APPENDIX A AESO PENV AREA TRANSMISSION REINFORCEMENT PLANNING STUDIES

Provost to Edgerton and Nilrem to Vermilion (PENV) Transmission Reinforcement

Planning Studies Report

December 2016

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Executive Summary

This *Provost to Edgerton and Nilrem to Vermilion (PENV) Transmission Reinforcement Planning Studies Report* ("Report") describes the technical studies conducted by the AESO to assess the need for transmission reinforcement in the PENV area. The technical studies include:

- Need assessment
- Technical Assessment of the Alternatives - power flow simulations under Category A, Category B, selected Category C5 and C7 conditions; voltage stability, dynamic stability, short-circuit, and loss analyses following the addition of various transmission system development alternatives.
- Generation Integration Capability – determine the capabilities of the alternatives to connect generation.

The PENV area is one of three load zones within the Central East Sub-Region[1]; the remaining load zones are the Hanna and Cold Lake planning areas. The PENV area loads are served by three existing 138 /144 kV paths, 7L701/701L, 7L50/7L129 and 749L/7L749. The PENV area loads are supplied from both the generation in the Battle River area in the south and the Cold Lake area in the north. The loading on transmission line 749L/7L749 is approaching its thermal limits under system normal conditions.

The studies presented in this Report are based on the AESO's latest corporate forecast, the 2016 Long-term Outlook (2016 LTO). The studies reveal that several transmission lines in the PENV area are loaded beyond emergency ratings under contingency conditions in the near term. In addition, existing 138 kV transmission line 174L is overloaded when the PENV area becomes generation deficient under contingency conditions. The studies also show low voltage pockets at several substations along 749L/7L749 due to high loading along this path under contingency conditions. Moreover, the existing system has insufficient capacity to reliably serve load over 400 MW in the summer period. The summer peak load exceeded this value in 2013, 2015 and 2016 and is forecast to grow further through 2037. These criteria violations are driven by local load growth and low capacity lines in the area. Area operations are currently managed in real time by system operational procedures including line reconfigurations, which results in leaving some loads on a radial supply, and remedial action schemes. Therefore, the transmission network in the PENV area must be reinforced to reliably serve forecast load growth.

The AESO determined that two new circuits – one from the Nilrem substation to the Vermilion area and one from the Hansman Lake 650S substation to the Edgerton 899S substation – meet the need for serving load in the PENV area. The AESO then studied a 138 kV/144 kV (Alternative 1) and a 240 kV (Alternative 2) reinforcement alternative. Since preliminary screening established that the 138 kV/144 kV Alternative would meet the AESO 2016 LTO load forecast through 2037, the 240 kV alternative was assumed to be initially operated at 138 kV/144 kV. The AESO also conducted sensitivity analyses on the 240 kV reinforcement operated at 240 kV to determine generation integration capability.

Both alternatives meet the 20 year load forecast with no Alberta Reliability Standards violations in the near-term study year (2021). In the long-term (2037), under various Battle River generation retirement/replacement scenarios, thermal overloads exceeding line emergency ratings were observed on line 174L. These overloads, which result from transfer-in constraints, can be mitigated either by adjusting the dispatch level of the EATL HVDC line or by operating 174L normally open with VAr support at the

[1] The PENV area consists of five Alberta Interconnected Electric System planning areas: Lloydminster (Area 13), Wainwright (Area 32), Alliance and Battle River (Area 36), Provost (Area (37) and Vegreville (Area 56).

Strome substation. The timing of the need to mitigate the 174L thermal loading thus depends on load growth and generation retirements and would be beyond the near term. Sensitivity analyses of operating the reinforcement at 240 kV showed similar results to that of the two alternatives.

Both alternatives have very similar load serving capability, generation integration capability, short circuit level, and voltage stability margins for the system. The system was found to be dynamically stable for all scenarios.

Generation integration studies showed that operating the PENV area reinforcement at 240 kV would provide more than twice the generation integration capability and more connection flexibility than the studied alternatives, both of which are proposed to operate at 138 kV/144 kV. There would also be voltage stability and short circuit level benefits over the two studied alternatives.

The AESO planning studies show that the recommended PENV transmission reinforcements address the identified need without installing certain previously approved central east developments that the AESO is proposing to cancel.

The AESO`s preferred PENV transmission reinforcement is the 240 kV alternative, initially operated at 138 kV/144 kV, primarily for the option of expanding to 240 kV in the future when needed.

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1 Introduction

The AESO 2015 Long-term Transmission Plan ("2015 LTP") identifies operating constraints in the near-term on the local 138 kV/144 kV transmission lines supplying load in the PENV area. As part of its 2015 LTP planning studies, the AESO determined that existing lines become overloaded and low voltage violations arise in the near-term under contingency conditions. As further described in this Report, the AESO has since conducted a need assessment for the existing local PENV 138 kV/144 kV transmission system and determined that system reinforcements are needed in the area to reliably serve forecast load growth. The PENV area includes the following five AESO Planning Areas.

- Vegreville (Area 56)
- Lloydminster (Area 13)
- Wainwright (Area 32)
- Provost (Area 37)
- Alliance/Battle River (Area 36)

The Central East Sub-region contains three distinct concentrated load zones, each served by a local transmission network: the PENV area, the Cold Lake Planning Area in the north, and the Hanna Planning Area in the south. The PENV area load is served from local 138 kV/144 kV network primarily by 138 kV/144 kV transmission lines 7L701/701L, 7L50/7L129 and 749L/7L749 that carry power from the Battle River 240 kV system in the south and also fed by the Cold Lake area generation in the north. The existing transmission line 749L/7L49 is approaching its design capacity under normal conditions and the PENV area is experiencing overloads and local voltage violations under contingency conditions, which the AESO is currently managing with real time operational procedures.

While the PENV area load peaks in the winter season, the potential for thermal and voltage violations exists in both summer and winter seasons as summer line ratings are lower than winter line ratings. In the last six years, summer/winter load has grown by 13% and 10% respectively and is forecast to increase by 22% and 23% by 2021, including load connections that have or will be energized in this timeframe. The PENV area includes some residential and commercial load but primarily comprises manufacturing, pipeline pumping stations and oil storage facilities that drive recent load growth. Local generation includes the three Battle River coal-fired generating units and one small distribution connected wind generator at Bull Creek. Since the PENV area is strongly linked to the broader Central East Sub-region, the planning studies presented in this Report were conducted on the Central East Sub-region which includes the foregoing five PENV planning areas plus the Cold Lake (Area 28) and the Hanna (Area 42) Planning Areas (collectively, "Study Area"). Figure 1-1 shows the approximate PENV area and the Central East Sub-region and Figure 1-2 presents the schematic of the existing transmission system in 2016.

This Report presents the AESO's detailed planning studies conducted to assess the adequacy of the existing transmission system in the PENV area, an evaluation of alternatives for development in the PENV area, and the AESO's conclusions drawn from those studies. As further described in Section 2.3.1 and Section 12.1, the AESO planning studies show that the recommended PENV transmission reinforcements address the identified need without installing certain previously approved central east developments that the AESO is proposing to cancel.

Figure 1-1: Central East Sub-region (Study Area) and PENV Area

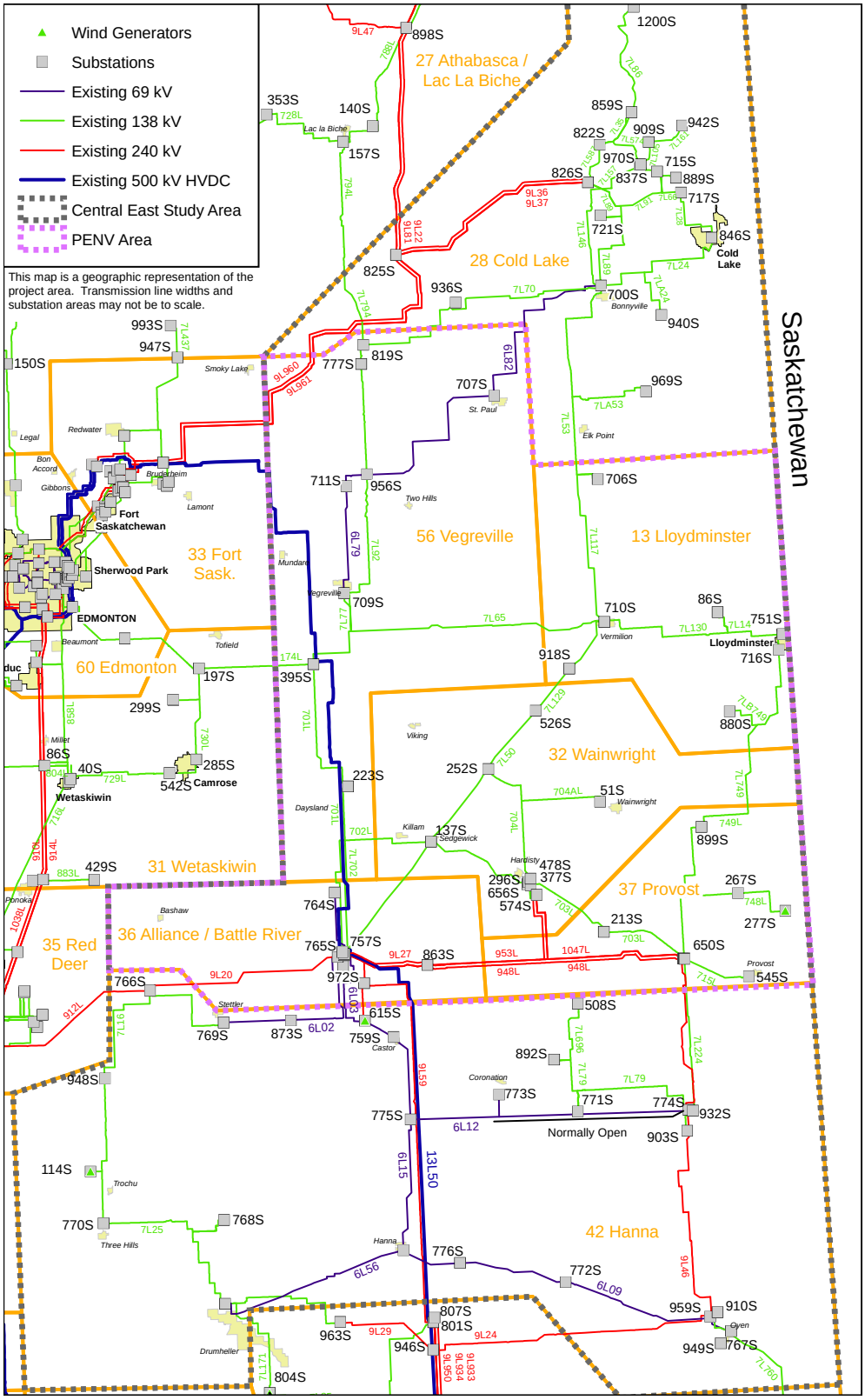
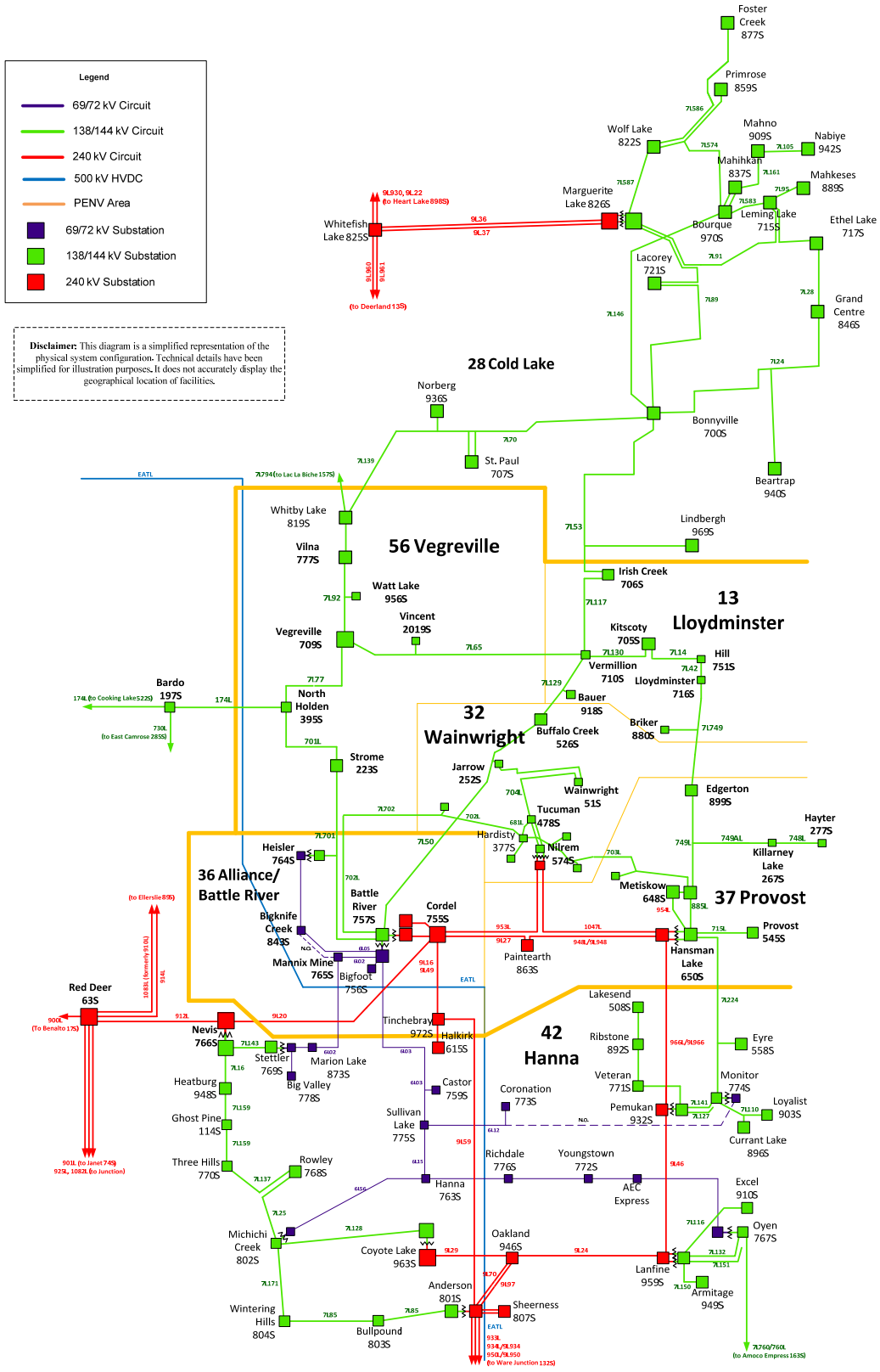


Figure 1-2: Schematic of Transmission System in the Central East Sub-region



1.1 Study Objectives

A summary of the study objectives is shown below.

- Assess the need for, and timing of, transmission reinforcement in the PENV area.
- Develop and compare technical performance of alternatives to address the need for transmission system reinforcement over the 20 year planning horizon.
- Identify mitigation measures that may be required to ensure reliable transmission system performance.
- Review the capability of the alternatives to directly connect future generation.
- Recommend transmission system reinforcement in the PENV area.

1.2 Study Scope

The following planning studies, utilizing the 2016 LTO, were conducted on the Study Area over the 20-year planning horizon.

- Need assessment – power flow simulations on the existing PENV area transmission system under Category A (all elements in service) system conditions and Category B contingencies for the year 2021 (near–term). The system performance was compared against the Alberta Reliability Standards and criteria and identified both thermal overloads and voltage violations under Category B contingencies.
- Alternative development – the AESO developed 138 kV/144 kV and 240 kV alternatives to meet the identified need in the PENV area.
- Alternative performance – the 138 kV/144 kV and 240 kV alternatives were evaluated through power flow simulations under Category A, Category B and selected Category C5 and C7 conditions over the 20 year planning horizon. In addition, voltage stability, dynamic stability, short-circuit, and loss analyses were conducted following transmission system development alternatives.
- Generation Integration Capability – the capabilities of the alternatives to connect generation was evaluated.

1.2.1 Studies Not Included in the Study Scope

Transfer in/out capability analyses are beyond the scope of the studies presented in this Report which is limited to local 138 kV/144 kV transmission system adequacy in the PENV area. Consideration of transfer in/out of the Central East Sub-region does not affect the local need for transmission reinforcement in the PENV area. Other AESO studies have identified a potential for transfer out capability issues with increasing net generation development in the Central East Sub-region. As part of its ongoing planning studies, the AESO will continue to monitor the Central East Sub-region transfer out capability and when appropriate will propose transmission system reinforcement to mitigate the constraints.

2 Reliability Standards, Criteria, Study Assumptions, and System Model

This section describes the applicable Alberta Reliability Standards, criteria, study assumptions, and system model applied in these planning studies. The load and generation assumptions and system configuration used to create the study cases reflect the most current information available to the AESO. While the AESO makes its assumptions based on the latest available information, it is acknowledged that assumptions are subject to change over time. The AESO addresses the possible impact of changes in assumptions by performing regular system planning studies as part of its long-term transmission plans, conducting system capability studies, and monitoring status of ongoing active system projects.

2.1 Transmission Reliability Standards and Criteria

2.1.1 Alberta Reliability Standards and Criteria

When developing long-term plans, the AESO applies the Transmission Planning (TPL) standards, which are part of the Alberta Reliability Standards, to ensure the transmission system is planned to meet the applicable performance requirements under a defined set of system conditions and contingencies.[2] A brief description of each of the standards relevant to this study is given below.

TPL-001-AB-0: System Performance Under Normal Conditions

Category A represents a normal system condition with all elements in service (N-0). All equipment must be within its applicable rating, voltages must be within their applicable ranges, and the system must be stable with no cascading outages. Under Category A, electric supply to load cannot be interrupted and generating units cannot be removed from service.

TPL-002-AB-0: System Performance Following Loss of a Single Bulk Electric System Element

Category B events result in the loss of any single bulk electric system (BES) element (N-1) under specified fault conditions with normal clearing. The specified elements are a generating unit, a transmission circuit, a transformer, or a single pole of a direct current transmission line. The acceptable impact on the system is the same as Category A with the exception that radial customers or some local network customers, connected to or supplied by the faulted element or by the affected area, may occur in certain areas without impacting the overall reliability of the interconnected transmission system. To prepare for the next contingency, system adjustments are permitted, including curtailment of contracted firm (non-recallable reserved) transmission service electric power transfers. No cascading outages can occur.

TPL-003-AB-0: System Performance Following Loss of Two or More Bulk Electric System Elements

Category C events result in the loss of two or more BES elements under specified fault conditions and include both normal and delayed fault clearing. All of the system limits for Category A and B events apply with the exception that planned and controlled loss of demand or curtailed firm transmission service transfers is acceptable provided there are no cascading outages.

[2] The Alberta Reliability Standards are detailed in http://www.aeso.ca/rulesprocedures/17004.html

The TPL Standards have referenced thermal and voltage limits within the applicable rating when specifying the required system performance. For the purpose of applying the TPL Standards to the planning studies documented in this Report, applicable ratings are defined as follows, in accordance with the AESO's *Transmission Planning Criteria – Basis and Assumptions*[3]*:*

- Applicable thermal limits are 100% of continuous summer rating.
- Applicable voltage limits are the normal minimum and maximum limits as specified in Table 2-1 for Category A conditions, while the extreme minimum and maximum limits are used to identify Category B and Category C system violations.

Table 2-1: Acceptable Range of Steady State Voltage

Nominal Voltage (kV)	Extreme Minimum (kV)	Normal Minimum (kV)	Normal Maximum (kV)	Extreme Maximum (kV)
500	475	500	525	550
240	216	234	252	264
260 (Northeast & Northwest)	234	247	266	275
144	130	137	151	155
138	124	135	145	152
72	65	68.5	75.5	79
69	62	65.5	72.5	76

2.2 Load Forecast and Generation Assumptions

The *Provost to Edgerton and Nilrem to Vermillion Transmission Reinforcement – 2016 Long-term Outlook Load and Generation Forecasts*, found under separate cover, includes full details of the load and generation forecasts used within these studies. For ease of reference, relevant information is summarized below:

- Studies presented in this Report are based on the 2016 LTO Reference Case.
- PENV Area peak load has historically occurred in the winter season and this is forecast to be the case for the future. The 2016 seasonal summer peak load recorded at the time of the Central East Sub-region peak was 407 MW. The 2015 seasonal winter peak was 470 MW.
- Summer peak load in the PENV area is forecast to increase from 407 MW in 2016 to 496 MW in 2021; winter peak load is forecast to increase from 470 MW in 2015 to 578 MW in 2021.
- Summer and winter peak loads in the PENV area are projected to grow by approximately 1 percent annually between 2021 and 2037 as a result of increasing pipeline load, and industrial and oilsands growth.

[3] The AESO's *Transmission Planning Criteria – Basis and Assumptions* will be filed with the Alberta Utilities Commission separately.

Existing Generation

Generation in the Central East Sub-region currently contains coal-fired, gas-fired cogeneration and wind generation technologies. As of October 2016, there was 1,539 MW of installed generation in the Sub-region, including 718 MW in the PENV Area.

Table 2-2: Existing Generation as of December, 2016

Unit	Size (MW)	Type
Primrose	100	Cogen
Mahkeses	180	Cogen
Foster Creek	98	Cogen
Nabiye	195	Cogen
Lindbergh	16	Cogen
Ghost Pine	82	Wind
Halkirk Wind Power Facility	150	Wind
Bull Creek	29	Wind
Battle River 3	149	Coal-fired
Battle River 4	155	Coal-fired
Battle River 5	385	Coal-fired
Total	1,539	

Generation Retirements

As part of the Climate Leadership Plan, the Government of Alberta plans to phase out all coal pollution by 2030. The exact timing of the retirements is unknown at this time. The 2016 LTO makes the following assumptions with respect to retirement of coal-fired units in the PENV area:

- Battle River #3 by December 31, 2019
- Battle River #4 by December 31, 2025
- Battle River #5 by December 31, 2028

Section 6.10 considers sensitivities to this timing as well as generation that are assumed to replace the Battle River coal-fired units.

2.3 System Development Assumptions

All planned and approved transmission system reinforcements with in-service dates on or before the 2021 study year were considered and modeled accordingly in the studies; the system development most relevant to the PENV planning studies are listed in Table 2-3.

Table 2-3: System Projects Model Status

Horizon	Development	Status
All-Term	Project 811: Central East Transmission Development as further described below.	Modeled elements with in-service dates on or before 2021; excludes all others
	Project 812: Hanna Area Transmission Development Phase 1	Modeled in the present study
	Project 1113: Hanna Area Transmission Development Phase 2	Not Modeled in the present study
	Project 813 Red Deer Area Transmission Development Phase 1	Modeled
	Red Deer Area Transmission Development Phase 2 – 166L	Not Modeled in the present study

2.3.1 Approved Central East Transmission Development

In Decision 2011-048 and Approval No.U2011-57[4], the Alberta Utilities Commission approved the Central East Region Transmission ("CETD") Needs Identification Document in which the AESO had recommended multiple system upgrades in the Central East Sub-region to maintain reliability, increase capacity to serve future load and facilitate connection of proposed generation. The status of the approved CETD upgrades is described in Table 2-4. The unconstructed Provost, Wainwright and Lloydminster/Battle River upgrades shown in bold are due to be cancelled and were excluded from the PENV area studies. Section 11.1 describes the CETD upgrades that the AESO is proposing to cancel.

Table 2-4: CETD Approved Developments and Status

Item	Approved Transmission Developments	Status
Bonnyville and St. Paul Areas		
1.a.	Replace the existing 72-kilovolt (kV) Willingdon 711S substation (NW 21-55-14-W4) with a new 144-kV substation, to be designated Watt Lake 956, and connect it to the existing 144-kV transmission line 7L92. Install one 15/20/25-megavolt ampere (MVA) transformer and one 144/25-kV 10/13/16-MVA transformer at the new Watt Lake 956S substation. Discontinue using, for transmission purposes, the Willingdon 711S substation and line 6L79 between the Willingdon 711S and the Vegreville 709S substations.	In Service
1.b.	Convert the existing 72-kV St. Paul 707S substation (SE 17-58-9-W4) to 144 kV and connect it to the existing 144-kV transmission line 7L70 using an in-and-out configuration. Remove all 72-kV equipment at St. Paul 707S substation and install two 144/25-kV low-noise transformers at this site.	In service (by end of 2016)
1.c.	Remove all 72-kV equipment at Bonnyville 700S substation (NW 24-61-6-W4) including the 144/72-kV tie transformer and the two 72/25-kV load transformers. Install a new 144/25-kV load transformer at Bonnyville.	In service (by end of 2016
1.d.	Restore the capacity of 144-kV transmission line 7L53 from Bonnyville 700S substation to Vermilion 710S substation (NW 32-50-6-W4) to its full thermal conductor rating by mitigating line clearance issues.	In Service
Cold Lake Area		
2.a.	Build a new 144-kV switching station named as Bourque 970S substation near existing Mahihkan 837S substation (NW 16-65-4-W4).	In Service
2.b.	Build a new 144-kV double-circuit transmission line from Bourque 970S substation to Mahihkan 837S substation using one 477 kcmil ACSR conductor per phase.	In Service

[4] Amended in *Decision 2013-123* and Approval No. U2013-130

Item	Approved Transmission Developments	Status
2.c.	Build a new double-circuit 240-kV transmission line with one side strung from Bourque 970S substation to Bonnyville 700S substation using two 795 kcmil ACSR conductors per phase. This line is to be initially energized at 144 kV.	In Service
2.d.	Re-build 144-kV transmission line 7L87 from Marguerite Lake 826S substation (NW 35-64-6-W4) to Wolf Lake 822S substation (NE 6-66-5-W4) using one 795 kcmil ACSR conductor per phase.	In Service
2.e.	Re-build 144-kV transmission line 7L74 from Wolf Lake 822S substation and re-terminate it from Mahihkan 837S substation to Bourque 970S substation using one 795 kcmil ACSR conductor per phase.	In Service
2.f.	Re-build 144-kV transmission line 7L83 from Leming Lake 715S substation (3-12-65-4-W4) and re-terminate it from Mahihkan 837S substation to Bourque 970S substation using one 477 kcmil ACSR conductor per phase.	In Service
2.g.	Remove the existing thermal protection schemes in the Cold Lake area**.**	Completion planned for Q2, 2017
II.2.	**Build a new double-circuit 240-kV transmission line with one side strung from Bourque 970S substation to Marguerite Lake 826S substation using two 795 kcmil ACSR conductors per phase. This transmission line is to be initially operated at 144 kV.**	**Work Not Started**
Provost Area		
3.a.	**Re-build 144-kV transmission line 7L749 from Edgerton 899S substation (4-12-44-4-W4) to Lloydminster 716S substation (SW 26-49-1-W4) using one 477 kcmil ACSR conductor per phase.**	**Work Not Started**
3.b.	**Build a new single-circuit 138-kV transmission line from Provost 545S substation (13-7-39-2-W4) to Hayter 277S substation (1-17-41-1-W4) using one 795 kcmil ACSR conductor per phase.**	**Work Not Started**
3.c.	**Re-build 138-kV transmission line 748L from Hayter 277S substation to Killarney Lake 267S substation (4-1-42-3-W4) using one 795 kcmil ACSR conductor per phase.**	**Work Not Started**
3.d.	**Re-build 138-kV transmission line 715L from Hansman Lake 650S substation (SE-1-40-5-W4) to Provost 545S substation using one 795 kcmil ACSR conductor per phase.**	**Work Not Started**
3.e.	**Re-build 138-kV transmission line 749L from Metiskow 648S substation (4-6-40-4-W4) to Edgerton 899S substation and build a 138-kV double-circuit transmission line from the existing Killarney Lake tap on transmission line 749L to Killarney Lake 267S substation as an in-and-out configuration using one 795 kcmil ACSR conductor per phase.**	**Work Not Started**
Wainwright Area		
4.a.	**Build a new single-circuit 138-kV transmission line on the existing 69-kV right-of-way from Wainwright 51S substation (1-10-45-7-W4) to Edgerton 899S substation using one 477 kcmil ACSR conductor per phase.**	**Work Not Started**
4.b.	**Re-build 138-kV transmission lines 704L and 704AL between Wainwright 51S substation, Tucuman 478S substation (2-32-42-9-W4), and Jarrow 252S substation (8-18-46-10-W4) using one 477 kcmil ACSR conductor per phase.**	**Work Not Started**
II.1.	**Re-build the existing 138/144-kV transmission line 7L50 from Battle River 757S substation (SW 29-40-15-W4) to Buffalo Creek 526S substation (4-12-48-9-W4) using one 477 kcmil ACSR conductor per phase.**	**Work Not Started**
Lloydminster and Battle River Areas		
5.a.	Upgrade the existing 72-kV Heisler 764S substation (SW 30-42-15-W4) and Kitscoty 705S substation (SW 1-51-3-W4) to 144 kV by connecting them to nearby transmission lines 7L701 and 7L14, respectively.	In Service

Item	Approved Transmission Developments	Status
5.b.	**Restore 144-kV transmission line 7L14 from Vermilion 710S substation to Hill 751S substation (SE 11-50-1-W4)** and 144-kV transmission line 7L701 from Battle River 757S substation (SW 29-40-15-W4) to Strome 223S substation (4-2-46-15-W4) to their respective full thermal conductor rating by mitigating line clearance issues.	7L701 line clearance mitigation work completed. **7L14 line clearance mitigation work has not started**.
5.c.	Relocate the 144/72/25-kV tie transformer from Vermilion 710S substation to Heisler 764S substation. Install a second144/25-kV transformer at Vermilion 710S substation.	In Service
5.d.	Salvage 72-kV transmission line 6L06 from Kitscoty 705S substation to Vermilion 710S substation and remove all 72-kV equipment from Vermilion 710S substation.	completed
5.e.	Install a new 144-kV, 25-MVAr capacitor bank at Vermilion 710S substation.	In service

2.4 Voltage Profile Assumptions

Prior to the simulation of need assessment and alternative assessment studies, the voltages in the Study Area are tuned to normal levels to meet voltage criteria. Mechanisms employed for voltage profiling are summarized below.

- Adjust tap settings of transformers to manage post contingency voltages and of those transformers that are operated in parallel mode to eliminate VAr circulation. Some examples are those 240/138 kV transformers located at Metiskow, Hansman Lake, Pemukan and Red Deer and Gaetz substations.
- Capacitor banks would be switched on under pre-contingency and peak load conditions to avoid low voltages under Cat B contingencies as per normal operating procedures, e. g., cap banks at Stettler and Oyen. Also, existing SVCs in the Study Area are adjusted to ensure voltages in and around these locations meet voltage criteria.
- A complete list of mechanisms that are employed is found in AESO ID 2010-007RS.[5]

2.5 HVDC Dispatch Methodology

The Eastern Alberta Transmission Line and Western Alberta Transmission Line ("EATL" and "WATL", respectively) were dispatched to a level that minimizes the total real power loss in the AIES. This approach is consistent with the EATL and WATL operating procedures. EATL and WATL power order adjustments for reliability and congestion mitigation purposes are explicitly provided when and if needed.

2.6 Facility Ratings and Shunt Elements

Table 2-5 summarizes the assumed facility ratings in the Study Area and its vicinity that will be studied in the 2021 and 2037 cases, and includes line rating restorations currently planned by the TFOs. Certain additional line rating restoration options are considered later in the report for specific study purposes. Table 2-6 summarizes the ratings of existing transformers in the Study Area. The details of shunt elements in the Study Area are given in Table 2-7.

[5] https://www.aeso.ca/assets/linkfiles/ID-2010-007RS-General-Operating-Practices-Voltage-Control-2016-09-34.pdf

Table 2-5: Summary of Key Transmission Line Ratings - 2021

Base Voltage (kV)	Transmission Line	From Substation	To Substation	Normal Rating	
				Summer (MVA)	Winter (MVA)
138	704L	Jarrow 252S	Tucuman 478S	75.0	79.0
138	704L	Jarrow 252S	Jarrow 252S Tap	85.0	90.0
138	7L129	Buffalo Creek 526S	Vermilion 710S	109.3	139.0
138	7L50	Buffalo Creek 526S	Jarrow 252S Tap	109.3	139.0
138	701L	North Holden 395S	Strome 223S	119.0	146.0
138	7L701/701L	Strome 223S	7L701 Tap	139.9	169.0
138	7L702/702L	Sedgewick 137S	Battle River 757S	109.3	118.0
138	702L	Sedgewick 137S	Hardisty 377S	87.0	135.0
138	748L	Killarney Lake 267S	Hayter 277S	119.0	146.0
138	749L	Metiskow 648S	Killarney Lake 267S Tap	121.0	149.0
138	749L	Killarney Lake 267S	Killarney Lake 267S Tap	121.0	148.0
138	749L	Edgerton 899S	Killarney Lake 267S Tap	88.0	96.0 CT[1] (127.0)
138	749L	Edgerton 899S	Briker Tap	88.0	96.0 CT (127.0)
138	7L749	Lloydminster 716S	Briker Tap	109.3	139.0
138	7L65	Vermilion 710S	Vegreville 709S	109.3	139.0
138	7L53	Irish Creek 706S	Bonnyville 700S	109.3	139.0
138	7L117	Vermilion 710S	Irish Creek 706S	109.3	139.0
138	7L130	Kitscoty 705S	Vermilion 710S	71.9	86.3
138	7L14	Hill 751S	Kitscoty 705S	71.9	86.3
138	7L77	Vegreville 709S	North Holden 395S	109.3	139.0
138	679L/680L	Tucuman 478S	Nilrem 574S	167.0	191.0 CT (216.0)
138	703L	Hardisty 377S	Junction with 703BL	83*	83.0
138	703L	Hughenden 213S	Junction with 703BL	121.0	145.0
138	703L	Hughenden 213S	Junction with 703AL	122.0	147.0
138	703L	Metiskow 648S	Junction with 703AL	122.0	147.0
138	7L159	Three Hills 770S	Heatburg 948S	109.3	126.5 CT
138	7L16	Nevis 766S	Heatburg 948S	109.3	126.5 CT
138	7L85	Bullpound 803S	Anderson 801S	109.3	126.5 CT
138	7L25	Michichi Creek 802S	Rowley 768S	94.9 CT	94.9 CT
138	7L128	Michichi Creek 802S	Coyote Lake 963S	94.9 CT	94.9 CT
240	9L912/912L	Red Deer 63S	Nevis 766S	488.0	498.0 CT

[1] Current Transformer (CT) limits the line ratings

240	9L20	Nevis 766S	Cordell 755S	488.0	498.0 CT
240	9L29	Oakland 946S	Coyote Lake 963S	332 CT	332 CT
240	9L27	Cordell 755S	Paintearth 863S	332 CT (489.0)	332 CT (624.0)
240	9L953	Cordell 755S	Nilrem 574S	498 CT	498 CT
240	9L36/9L37	Marguerite Lake 826S	Whitefish Lake 825S	498 CT	498 CT
138	7L70	Bonnyville 700S	St. Paul 707S	109.3	139.0
138	7L92	Whitby Lake 819S	Vegreville 709S	94.9	94.9
240	9L960/9L961	Deerland 13S	Whitefish Lake 825S	498 CT	498 CT
240	948L/9L948	Hansman Lake 650S	PaintEarth Creek 863S	332 CT	332 CT
240	1047L	Hansman Lake 650S	Nilrem 574S	499 CT (567)	499 CT (748)
240	9L59	Tinchebray 972S	Anderson 801S	549	701
240	9L16	Tinchebray 972S	Cordell 755S	498 CT	498 CT
240	9L24	Lanfine 959S	Oakland 946S	332 CT	332 CT
240	9L46	Lanfine 959S	Pemukan 932S	332 CT	332 CT
138	7L224	Monitor 774S	Hansman Lake 650S	109.3	139.0
138	7L127	Pemukan 932S	Monitor 774S	167.0	191.0
240	966L/9L966	Pemukan 932S	Hansman Lake 650S	332 CT	332 CT
138	174L	Bardo 197S	North Holden 395S	85.0	90.0
138	7L42	Hill 751S	Lloydminster 716S	94.9	94.9
138	715L	Hansman Lake 650S	Provost 545S	98.0	132.0
138	7L137	Rowley 768S	Three Hills 770S	109.3	139.0
138	7L139	Whitby Lake 819S	St. Paul 707S	109.3	139.0
240	9L79	Battle River 757S	Cordell 755S	498.0	498.0
240	9L80	Battle River 757S	Cordell 755S	332.0	332.0
138	681L	Tucuman 478S	Hardisty 377S	143.0	172.0
138	885L	Metiskow 648S	Hansman Lake 650S	287.0	287.0
240	954L	Metiskow 648S	Hansman Lake 650S	333.0	333.0

Table 2-6: Summary of Key Transformer Ratings

Substation Name and Number	Transformer ID	Transformer Voltages (kV)	MVA Rating
Anderson 801S	T1	240/138	125
Battle River 757S	912T	240/144	224
Battle River 757S	701T	144/72	75
Coyote Lake 693S	T1	240/138	300
Hansman Lake 650S	T1	240/138	200
Lanfine 959S	T1	240/138	300

Substation Name and Number	Transformer ID	Transformer Voltages (kV)	MVA Rating
Nevis 766S	T1	240/138	100
Metiskow 648S	T3	240/138	200
Nilrem 574S	T1	240/138	400
Nilrem 574S	T2	240/138	400
Pemukan 932S	T1	240/138	300

Table 2-7: Summary of Key Shunt Elements in the Study Area

Substation Name and Number	Base Voltage (kV)	Capacitors			Reactors		
		Number of Switched Shunt Blocks	Total at Nominal Voltage (MVAr)	Status in Study	Number of Switched Shunt Blocks	Total at Nominal Voltage (MVAr)	Status in Study
Buffalo Creek 526S	138	1x15.00	15.00	*			
Halkirk 615S	34.5	1x6.00 + 3x18.00	60.00	*	2x-14.00	-14.00	*
	0.5	2x12.50	25.00	*	2x-12.50	-25.00	*
Hansman Lake 650S	18.0	1x200.0	200.0	*	1x-100.0	-100.0	*
Hardisty 377S	138	1x27.02	27.02	*			
Hill 751S	138	1x18.12 + 1x22.96	41.08	*			
Irish Creek 706S**	138	1x22.96	22.96	*			
Killarney Lake 267S	138	1x9.10 + 2x10.90	30.90	*			
Lanfine 959S	240	1x200	200	*	1x-100	-100	*
	138	2x27.55	55.10	*			
Lloydminster 716S	138	1x18.12	18.12	*			
Michichi Creek 802S	138	1x9.18	9.18	*			
Monitor 774S	138	1x18.38 + 1x27.55	45.93	*			
Sunken Lake 221S	138	1x18.10	18.10	*			
Tucuman 478S	138	1x27.17	27.17	*			
Pemukan 932S	138	2x27.55	55.10	*			
Vermilion 710S	138	1x22.96	22.96	*			

* As required for voltage profiling
** Shunt element has been approved and expected to be in service on or before 2020

3 Planning Methodology

The methodology used to conduct the PENV planning studies included the following:

- Develop credible stressed study scenarios. Summer and winter peak load and summer light load conditions, combined with various credible generation dispatches, and were designed to create a variety of scenarios for the PENV planning studies.
- Conduct need assessment studies in the near-term (2021) to identify potential transmission system constraints to serving load under Category A conditions, and Category B and selected Category C5 contingencies.
- Develop alternatives to address the identified near-term constraints in consideration of the 20-year planning horizon.
- Evaluate the relative performance of the transmission development alternatives in the near-term (2021) and long-term (2037).
- Assess the generation integration capabilities of the alternatives.
- Assess the sensitivity of study results to the uncertainty of Battle River coal retirements and future generation replacements at that site.
- Perform short circuit analysis and transient stability analysis for the alternatives.
- Identify the preferred PENV area system reinforcement alternative in consideration of the foregoing.

3.1 Study Scenarios

As further described below, the study scenarios represent combinations of forecast load and generation dispatches that would result in stressed line loadings or low voltages on the local PENV transmission system, under Category A and Category B conditions.

The study scenarios were evaluated utilizing the 2016 LTO – Reference Case for summer peak, winter peak and summer light load conditions. The tie lines to BC, Saskatchewan and Montana were dispatched economically in all scenarios.

Load supply adequacy studies – the study scenarios represent various generation and load conditions to stress the PENV area and identify any thermal overloads and voltage violations that constrain the transmission system to supply forecast loads. The loads in the PENV area are supplied by the local generation at Battle River, from Saunders Lake 289S near Wetaskiwin via 174L, and supported from the Cold Lake area. Specifically, the substations at North Holden, Vilna and Irish Creek that form the boundary of the PENV area are fed from both southern and north-eastern generation. Accordingly, depending on the generation dispatches at Battle River and in the Cold Lake area, the load serving capability of the PENV system would be stressed in different ways. Therefore, a combination of generation dispatches was selected to stress the local PENV system as shown in Table 3-1. For load supply adequacy, the wind generation in the province was assumed to be zero, in combination with one critical generator offline, as described below. Four study scenarios - 01, 02a, 04, and 05a - cover the range of dispatches in the Battle River and Cold Lake areas that stress the system in summer and winter peak load periods. Various sensitivities to Battle River retirements and replacements were considered.

Generation capability studies – the study scenarios were established to determine the generation capacity that could be directly connected to each transmission alternative. To this end, high wind generation was assumed in the Study Area and the rest of the province; high Battle River generation was

also assumed. Three scenarios - 02, 03, and 05 - cover these generation conditions in summer peak, summer light and winter peak load conditions.

Long-term performance assessments – to test the performance of each alternative in the long term (2037), the study scenarios 06, 07, 09, and 10a were utilized with the same set of stressed conditions described above.

Critical generators offline – For each study scenario a sub-set of critical generator off-line (N-G) scenarios were created. Generator units that were considered to be critical to the scenarios included Primrose, Mahkeses #1, Battle River #4, Battle River #5, Sheerness, post-Battle River retirement replacement and post-Sheerness retirement replacement units.

The scenarios created for this study are summarized in Table 3-1.

Table 3-1: Summary of Study Scenarios

Scenario	Study Year	Load Condition	Wind Generation[1]	PENV Generation	Cold Lake Cogeneration
1	2021	SP	No wind	Low	High
2	2021	SP	High wind	High	Low
2a	2021	SP	No wind	High	Low
3	2021	SL	High wind	High	Economical
4	2021	WP	No wind	Low	High
5	2021	WP	High wind	High	High
5a	2021	WP	No wind	High	High
6	2037	SP	No-Wind	Low	High
7	2037	SP	High wind	High	Low
7a	2037	SP	No wind	High	Low
8	2037	SL	High wind	High	Economical
9	2037	WP	No wind	Low	High
10	2037	WP	High wind	High	High
10a	2037	WP	No wind	High	High

[1]Wind generation condition for the entire system

3.2 Power Flow Analysis

Power flow analyses were conducted under steady state conditions for Category A conditions and Category B and Category C contingencies. The Category B and Category C contingencies were selected to identify thermal overloads and voltage criteria violations on the 72 kV and above transmission system in the PENV area. These analyses were performed for the need assessment prior to any new

transmission development in the area to identify Alberta Reliability Standards violations and limiting elements. Each of the alternative reinforcements considered to address identified violations was analyzed and compared on the same basis. Each of the ten study scenarios and four sub-scenarios listed in Table 3-1 were included in the power flow analyses. The observed thermal loading % shown in the result tables are as measured by current.

3.3 Short-circuit Analysis

A short circuit analysis was conducted for the Study Area for the existing system (2021 forecast) and the proposed alternatives (both 2021 and 2037 forecasts). The objective of the short circuit analysis was to estimate and compare fault levels for both the existing and reinforced systems assuming implementation of the proposed alternatives. Detailed short circuit levels for 2021 and 2037 were summarized along with study assumptions and limitations of the study results, if any.

3.4 Voltage Stability Analysis

Voltage stability analysis was performed to assess voltage stability margin for critical buses under a number of critical contingencies in the Study Area. P-V analysis was carried out to determine the system voltage stability margin with the proposed alternatives in-service for the near-term and long-term study years. The AESO's Transmission Reliability Criteria requires a minimum of 5% operating margin for system normal conditions (Category A) and for single contingencies (Category B). A minimum of 2.5% operating margin is required for selected Category C5 contingencies (N-2). The operating limit for each critical contingency was compared to the forecast system load level to determine if the voltage stability criteria were met.

3.5 Transient Stability Analysis

Dynamic studies were conducted for the 2021 study year for Alternative 1 and Alternative 2 @ 240 kV. The transient stability studies utilize actual fault clearing times for the existing transmission system where available and follow standard clearing times for the remaining existing lines and new lines as outlined in the planning criteria. Generator rotor angles, generator MW outputs, bus voltages and frequencies were monitored. Detailed study results (dynamic plots and tables) illustrate the dynamic system behavior and indicate any stability issues. Potential transient stability issues under N-1 conditions were identified together with their mitigation measures where applicable.

4 Need Assessment

The AESO conducted power flow analyses on the existing system to identify Alberta Reliability Standards violations in the PENV area. The need assessment was carried out for the near-term as no change in the PENV area system topology is currently planned for the Study Area following 2021 and any violations in the near-term would only increase for the following years as load growth increases.

Using the study scenarios described in Table 3-1, the need assessment was conducted to identify violations in the PENV Area under Category A conditions and Category B contingencies. The study scenarios with zero wind and associated N-G conditions were utilized for this purpose as these two scenarios stress the load serving capability of the system.

4.1 Need Assessment Results

The sections below summarize the need assessment results for the 2021 study year. The maximum observed loading for each monitored system element and the worst observed loading violations for each major contingency are reported. The detailed need assessment results and Single Line Diagrams (SLDs) are provided in Appendix A.

4.1.1 Category A Analysis

The near-term (2021) steady-state performance of the transmission system in the Study Area shows no thermal or voltage violations under Category A conditions although a section of 749L may operate at up to 94.2% of its summer rated capacity under one scenario, indicating the system is approaching capacity under system normal conditions. Results are presented in Table 4-1:

Table 4-1: Summary of Category A Thermal Performance - 2021

Sub-Region	Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
Central East	749L (Metiskow 648S to Killarney Tap)	No outage	Scenario2a Primrose Out	138	120.9	94.2%	120.4

4.1.2 Category B Analysis

The power flow results under Category B contingencies are provided in Table 4-2: for thermal performance and Table 4-3: for voltage performance. These tables show that several lines are overloaded beyond their emergency thermal rating and the system is exposed to low voltages at several substations. The full list of observed thermal and voltage violations for all other scenarios is provided in Appendix A.

Table 4-2: Summary of Category B Thermal Loadings - 2021

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
7L50 (Battle River 757S to Jarrow Tap)	704L (Tucuman 478S to Wainwright 51S)	Scenario 2a Primrose Out	138	109.2	96.8%	112.7
	7L77 (North Holden 395S to Vegreville 709S)	Scenario 2a Primrose Out	138	109.2	91.4%	106.6
7L50 (Buffalo Creek 526S to Jarrow Tap)	749L (Metiskow 648S to Killarney Tap to Edgerton 899S)	Scenario 2a Primrose Out	138	109.3	118.2%	129.0
	7L77 (North Holden 395S to Vegreville 709S)	Scenario 2a Primrose Out	138	109.3	113.9%	126.9
	7L749 \ 749L (Edgerton 899S to Briker Tap to Lloydminster 716S)	Scenario 2a Primrose Out	138	109.3	108.7%	120.9
7L129 (Vermillion to Bauer Tap)	749L (Metiskow 648S to Killarney Tap to Edgerton 899S)	Scenario 2a Primrose Out	138	109.2	91.5%	97.9
7L129 (Buffalo Creek 526S to Bauer Tap)	749L (Metiskow 648S to Killarney Tap to Edgerton 899S)	Scenario 2a Primrose Out	138	109.2	99.5%	107.0
	7L77 (North Holden 395S to Vegreville 709S)	Scenario 2a Primrose Out	138	109.2	95.2%	105.5
	7L749 \ 749L (Edgerton 899S to Briker Tap to Lloydminster 716S)	Scenario 2a Primrose Out	138	109.2	90.1%	99.4
749L (Metiskow 648S to Killarney Tap)	7L50 (Battle River 757S to Jarrow Tap to Buffalo Creek 526S)	Scenario 2a Primrose Out	138	120.9	118.5%	150.9
	7L129 (Buffalo Creek 526S to Bauer Tap to Vermillion 710S)	Scenario 2a Primrose Out	138	120.9	111.6%	142.4
	7L130 (Vermillion 710S to Kitscoty 705S)	Scenario 1 Sheerness out	138	120.9	108.6%	138.2
749L (Edgerton 899S to Killarney Tap)	7L50 (Battle River 757S to Jarrow Tap to Buffalo Creek 526S)	Scenario 2a Primrose Out	138	88.0	97.7%	88.4
	7L130 (Vermillion 710S to Kitscoty 705S)	Scenario 4 BR5 Out	138	96.1	96.1%	94.1
7L130 (Vermillion 710S to Kitscoty 705S)	749L (Metiskow 648S to Killarney Tap to Edgerton 899S)	Scenario 5a Mahkeses 1 out	138	86.3	111.9%	92.1
7L14 (Kitscoty 705S to Hill 751S)	749L (Metiskow 648S to Killarney Tap to Edgerton 899S)	Scenario 5a Mahkeses 1 out	138	86.3	103.3%	80.8

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
7L77 (North Holden 395S to Vegreville 709S)	7L50 (Battle River 757S to Jarrow Tap to Buffalo Creek 526S)	Scenario 2a Primrose Out	138	109.3	112.8%	124.8
	7L129 (Buffalo Creek 526S to Bauer Tap to Vermillion 710S)	Scenario 2a Primrose Out	138	109.3	102.7%	114.6
	9L960 or 9L961 (Deerland 13S to White Fish 825S)	Scenario 2a Primrose Out	138	109.3	97.2%	108.1
174L (Bardo 197S to North Holden 395S)	7L701 \ 701L (Battle River 757S to Heisler Tap to Strome 223S)	Scenario 2a Primrose Out	138	85.1	97.9%	84.6
	912L \ 9L912 (Red Deer 63S to Nevis 766S)	Scenario 2a BR5 out	138	85.1	105.8%	90.0
	9L80 (Battle River 757S to Cordell 755S)	Scenario 4 BR4 out	138	90.1	94.9%	86.9

Table 4-3: Summary of Category B Voltage Violations - 2021

Contingency	Bus and Substation	Base Voltage	Study Scenario	V max (pu)	V min (pu)	Observed Voltage (pu)
749L (648S Metiskow to 899S Edgerton)	Bus 1314 (880S Briker)	138kV	Scenario 5A Mahkeses1 Out	1.123	0.942	0.875
	Bus 1387 (705S Kitscoty)	138kV	Scenario 5a Mahkeses1 out	1.123	0.942	0.906
	Bus 1393 (751S Hill)	138kV	Scenario 5a Mahkeses1 out	1.123	0.942	0.892
	Bus 1455 (716S Lloydminster)	138kV	Scenario 5a Mahkeses1 out	1.123	0.942	0.889
	Bus 362 (899S Edgerton)	138kV	Scenario 5a Mahkeses1 out	1.101	0.898	0.864

4.1.3 Category C5 and C7 Analyses

The thermal and voltage results of the steady-state performance of the near-term assessment under select Category C5 and C7 conditions for all the studied scenarios are summarized in Appendix A. The tables in Appendix A report the worst over loads and voltage violations and propose mitigation measures to alleviate criteria violations. Where there is voltage collapse, it is not feasible to calculate thermal overload values.

Category C5 analysis shows that:

- Under C5 contingencies, thermal overloads are found to be within the emergency thermal rating of the respective lines.
- Under the contingency of 9L36 and 9L37 lines, voltage collapse occurs due to lack of dynamic VAr support when the generation is low in the Cold Lake area. This is a known operating condition and until the planned solution is implemented load up to 45 MW needs to be curtailed in the Cold Lake area.

In the case of C7 contingencies, overloads and voltage violations can be remedied through a variety of mitigation measures including load curtailment and by closing breakers manually at Metiskow until a new breaker is installed.

4.2 Summary of the Need Assessment

The PENV Area transmission system performance was studied under multiple forecast load-stressed scenarios. The study results indicate thermal and low-voltage violations under Category B conditions in the near-term. The thermal overloads chiefly occur along the three main 138/144 kV transmission line paths connecting Vermilion 710S and Cordell 755S substations (lines 7L50 and 7L129), Metiskow 648S and Lloydminster 716S substations (lines 749L and 7L749), and Battle River 757S and Vegreville 709S substations (lines 7L77 and 701L) following a contingency on the other paths (the three main paths that serve local load in the area with Battle River generation). The observed low voltage violations are local in nature and primarily arise in the vicinity of the Lloydminster and Edgerton substations upon loss of 749L.

Therefore, there is a need for transmission system reinforcements in the near-term to reliably supply the forecast load in the Study Area. Given the magnitudes of the overloads and voltage violations observed, it can also be concluded that the violations occur under lower area loads than forecast for 2021 and as such may occur prior to 2021.

4.3 Need Prior to 2021

The near-term need assessment results show that the existing Study Area transmission system cannot serve the forecast 2021 load under Category B contingency conditions without violating applicable transmission reliability criteria. The AESO then evaluated the PENV area historical load and performance to determine if the need for system reinforcement arises prior to 2021. The PENV area recorded 2010 – 2016 coincident summer and winter peak load is presented in Table 4-4.

Table 4-4: PENV Area Historical Load at Central East Sub-region Peak

Year	Summer (MW)	Winter (MW)
2010	359	428
2011	369	444
2012	387	437
2013	406	478
2014	399	472
2015	422	470
2016	407	N/A

The AESO has observed high flows on the 138 kV 749L transmission line in real time as it carries power from southern part of the PENV Study Area to supply loads at the Killarney Lake 267S, Hayter 277S, Edgerton 899S, Lloydminster 716S and Hill 751S substations as shown in Figure 4-1.

To assess 749L performance, the coincident summer peak (SP) and winter peak (WP) MW and MVA loads of seven substations that lay along the 749L/7L749 path were extracted from historical recorded data and are presented as Group A in Table 4-5. Similarly, the coincident peak loads of 5 substations along the same path are also shown as Group B to demonstrate thermal violations for loss of 7L130 in the northern portion of the PENV area.

Figure 4-1: 749L Vermillion-Hansman Lake Path

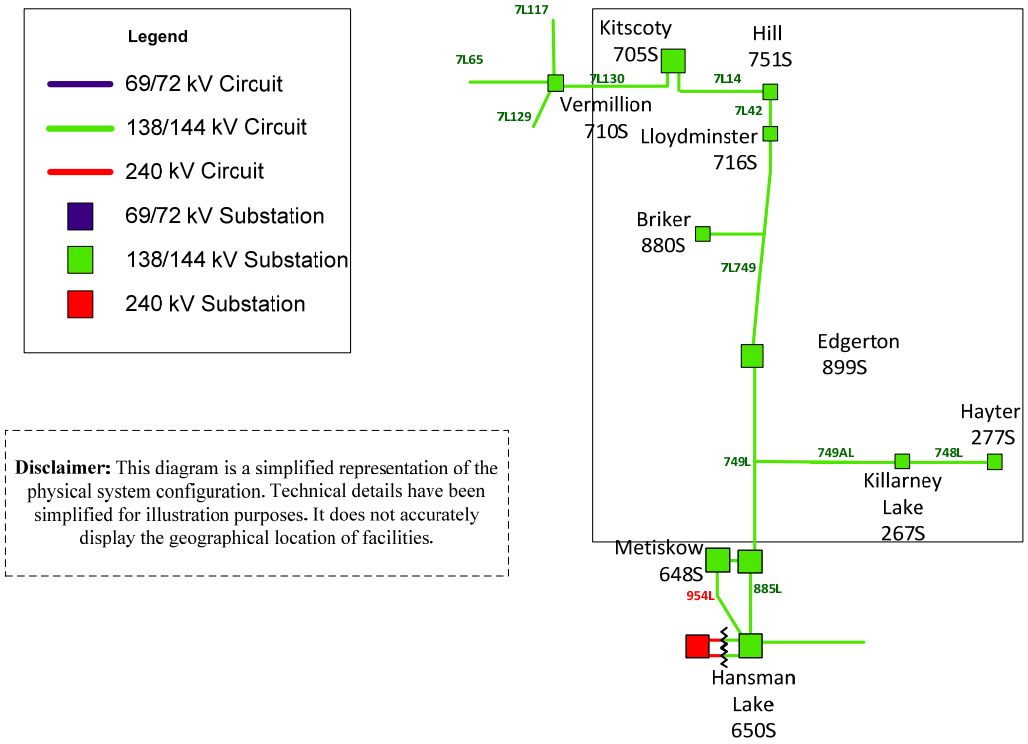


Table 4-5: Historical Coincident Peak Load Along the 749L/7L749 Path to Vermilion Substation

Year	Substations*	Total Load (MVA)		Total Load (MW)		Line Rating (MVA)		*Line No.*	Estimated % of Overload Post-contingency 749L/7L130	
		SP	WP	SP	WP	SP	WP		SP	WP
2013	Group A	130.9	141.7	122.4	134.2	121	149	*749L*	*108%*	*95%*
	Group B	80.2	84.2	76.3	81.3	72	85	*7L130*	*111%*	*99%*

Year	Substations*	Total Load (MVA)		Total Load (MW)		Line Rating (MVA)		*Line No.*	Estimated % of Overload Post-contingency 749L/7L130	
		SP	WP	SP	WP	SP	WP		SP	WP
2014	Group A	128.4	137.3	119.8	130.6	121	149	*749L*	*106%*	*92%*
	Group B	77.9	85.2	73.2	82.2	72	85	*7L130*	*108%*	*100%*
2015	Group A	130.8	125	122.1	119.5	121	149	*749L*	*108%*	*84%*
	Group B	83.2	81.7	78.5	78.2	72	85	*7L130*	*116%*	*96%*

*Group A: Kitscoty 705S, Hill 751S, Lloydminster 716S, Briker 880S, Edgerton 889S, Killarney Lake 267S, and Hayter 227S.

*Group B: Kitscoty 705S, Hill 751S, Lloydminster 716S, Briker 880S, and Edgerton 889S

Read together, Table 4-4 and Table 4-5 show that:

- The PENV area summer peak load reached 422 MW in 2015 (2016 recorded summer peak was 407 MW).
- In 2015, the summer peak load along the 749L path would have been 122.1 MW, or 130.8 MVA had loss of 7L130 occurred, which would have overloaded 749L to 108% of its continuous summer thermal rating. Similarly, loss of 749L would have resulted in 78.5 MW or 83.2 MVA on 7L130, which is 116% of its continuous summer thermal rating.
- The loading of these lines under contingency conditions are similar to 2015 in 2013, 2014 and 2016.
- Pre-contingency operational measures were used to manage potential thermal violations.
- The system performance was reliable during winter season due to the transmission lines higher winter rating.

The PENV area's system performance was further assessed using the 2021 summer peak case at a summer peak loading level of 400 MW. Power flow contingency analysis was performed which revealed that the loss of transmission line 7L50 will overload 749L and 7L77 to approximately 104% because these lines do not have sufficient capacity to serve 400 MW under a single contingency.

In summary, the PENV area transmission system has little or no capacity to serve summer load above 400 MW under Category B contingencies. As the recorded 2013, 2015, and 2016 PENV area summer peak loads were greater than 400 MW, and the forecast includes further peak load growth prior to 2021, the need for PENV area transmission reinforcement is immediate. Operational measures will be used to manage the system prior to transmission reinforcement being placed into service.

5 Transmission System Alternatives to Address the Identified Need

Based on the need assessment, the AESO determined that two new circuits – one from the Nilrem substation to the Vermilion area and one from the Hansman Lake substation to the Edgerton substation – were the minimum developments identified to address Alberta Reliability Standards violations along the existing 7L50 and 7L49 pathways over the planning horizon. The AESO then studied a 138 kV/144 kV and a 240 kV reinforcement alternative. Since preliminary screening established that the 138 kV/144 kV alternative ("Alternative 1") would meet the AESO's 2016 LTO long-term load forecast over the 20-year planning horizon, the 240 kV alternative was assumed to be initially operated at 138 kV/144 kV ("Alternative 2"). The AESO also conducted analyses on the 240 kV reinforcement operated at 240 kV ("Alternative 2 @ 240 kV") to further test upgrading to operate the two new circuits at 240 kV in the future, when needed.

5.1 Alternative 1: 138/144 kV Development

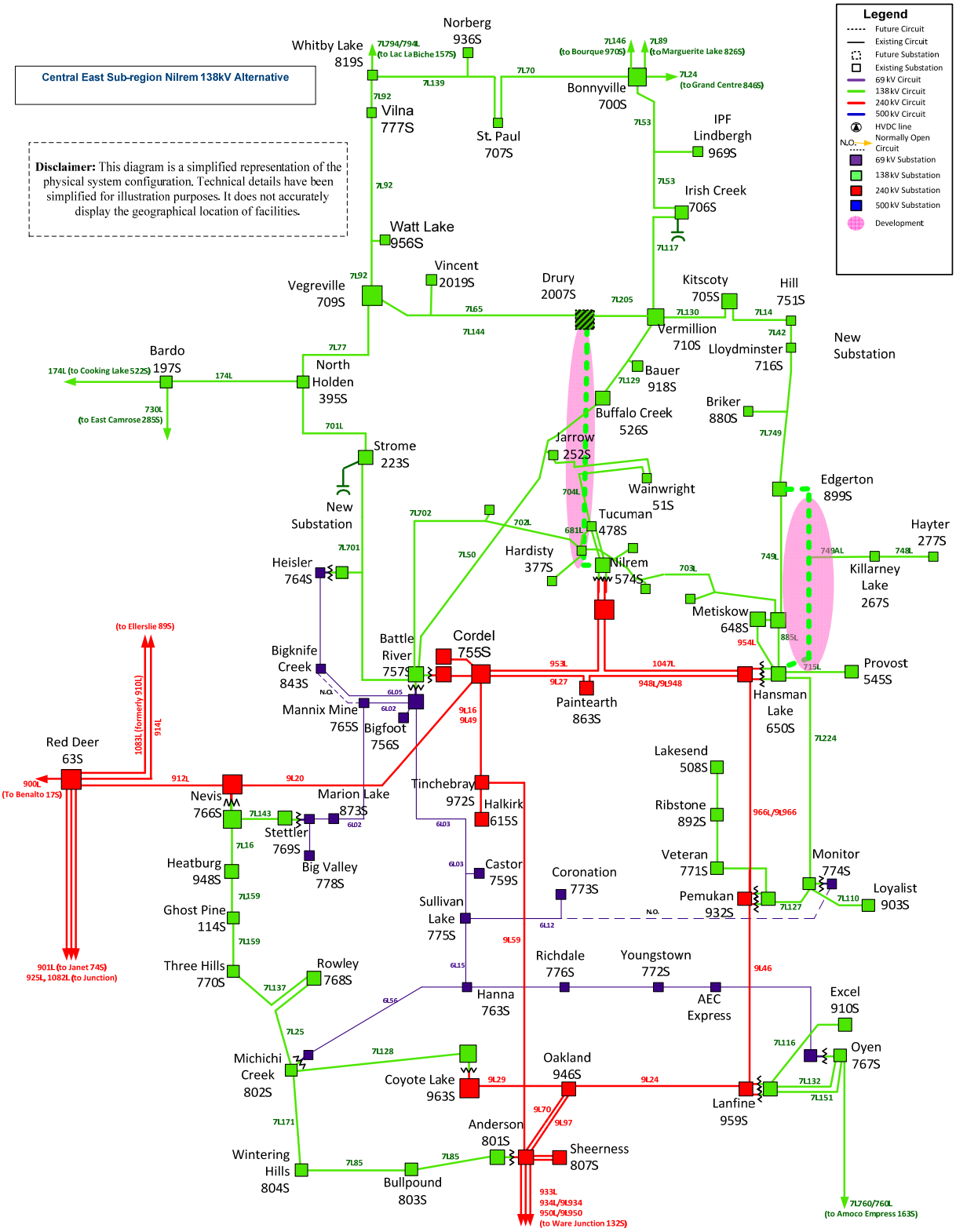
Alternative 1 involves the following transmission developments and is illustrated in Figure 5-1:

- Add a 138/144 kV single circuit from the existing 240/138 kV Nilrem 574S substation to a new 144 kV Drury 2007S substation[6].
- Add a 138 kV single circuit from the existing Hansman Lake 650S substation to Edgerton 899S substation.
- Connect 7L65 line in/out to Drury 2007S; rename section of line between Drury 2007S and Vermilion 710S substation to 7L205.
- Add an alternate 749AL tap to the new circuit between Hansman Lake 650S and Edgerton 899S substations.[7]

[6] The AESO initially considered terminating the proposed single circuit from Nilrem 574S substation at the Vermilion 710S substation. However, the TFO advised the AESO that adding a new line at Vermilion 710S would not be feasible due to right-of-way constraints.

[7] Maintaining the tap on existing 749AL while establishing an alternate tap on the proposed new circuit will provide operational flexibility during line maintenance.

Figure 5-1: Schematic Diagram of (138/144 kV) Alternative 1

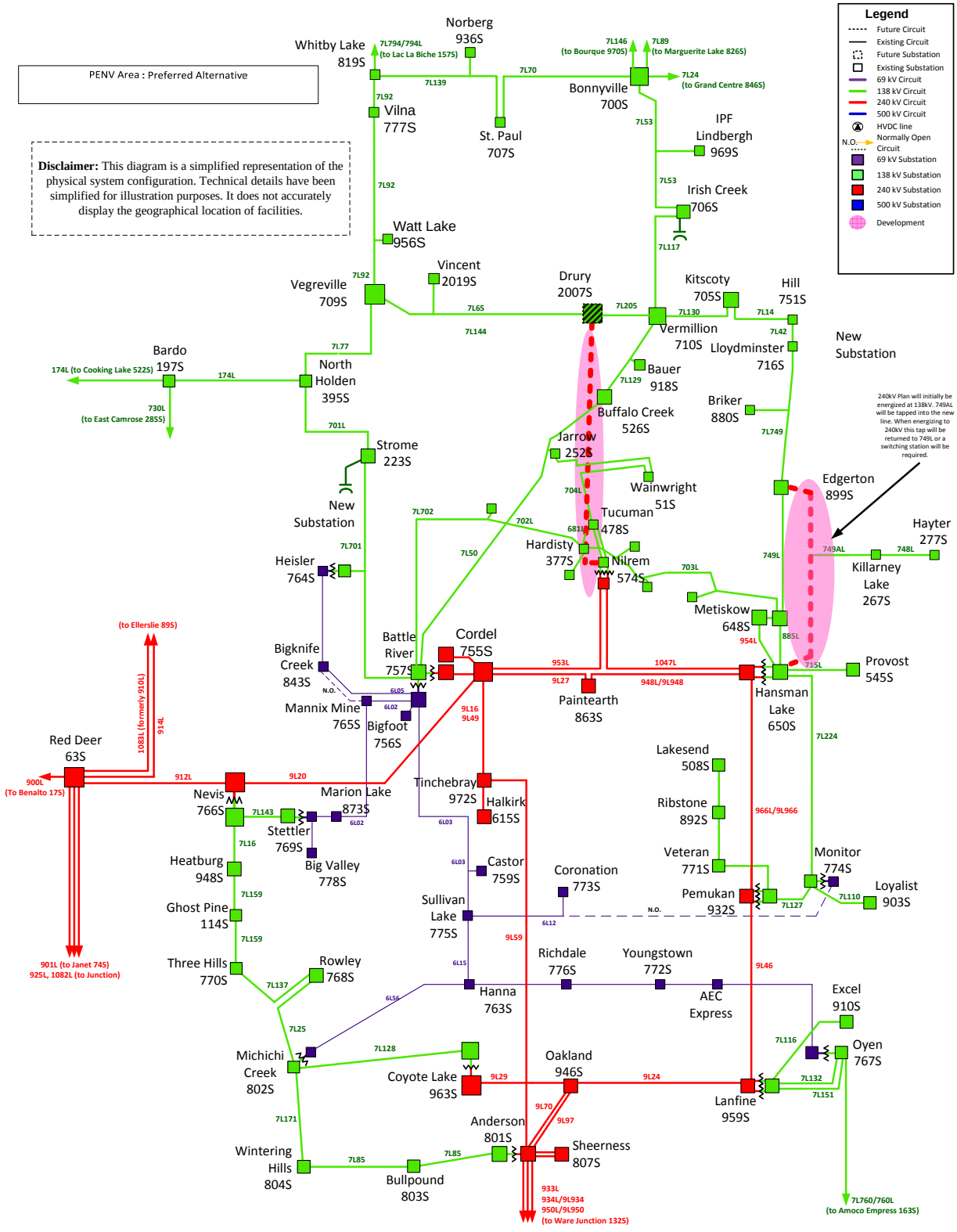


5.2 Alternative 2: 240 kV Development Initially Operated at 138 kV/144 kV

Alternative 2 involves the following transmission developments and is illustrated in Figure 5-2:

- Add a 240 kV single circuit from the existing 240/138 kV Nilrem 574S substation to a new 144 kV Drury 2007S substation. Operate this line initially at 144 kV; Drury 2007S substation will be expandable to 240/144 kV.
- Add a 240 kV single circuit from the existing Hansman Lake 650S substation to Edgerton 899S substation. Operate this line initially at 138 kV.
- Connect 7L65 line in/out to Drury 2007S; rename section of line between Drury 2007S and Vermilion 710S substation to 7L205.
- Add an alternate 749AL tap to the new circuit between Hansman Lake 650S and Edgerton 899S substations. [7]

Figure 5-2: Schematic Diagram of (240 kV Operated at 138 KV) Alternative 2



5.3 Alignment with AESO Long-term Plans

The alternatives considered to address the local load serving transmission needs in the PENV area are conceptually similar to the reinforcements described in the AESO 2015 LTP. The chief difference is that the alternatives presented in this Report terminate one new circuit at the Nilrem 574S substation in place of the Tinchebray 972S substation as identified in the 2015 LTP. This refinement significantly reduced the length of transmission line development needed to reinforce the 7L50 path to Vermillion.

6 Technical Assessment of the Alternatives

The performance of the proposed transmission development alternatives was evaluated using the near-term (2021) and long-term (2037) study scenarios.

6.1 Power Flow Analysis

Power flow simulations were performed for Category A and Category B contingency conditions; the thermal loadings and voltage violations are tabulated below.

6.2 Alternative 1 Near-term Performance

Category A (N-0)

No reliability criteria violations were observed under Category A conditions.

Category B (N-1) Contingency

Category B thermal loadings above 90% of line ratings are displayed in Table 6-1.

Table 6-1: Category B Thermal Loadings Above 90% – Alternative 1, 2021

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
174L (Bardo 197S to North Holden 395S)	912L \ 9L912 (Red Deer 63S to Nevis 766S)	Scenario 2a BR 5	138	85.1	103%	87.8

Category B (N-1) Voltage Violations

No voltage violations were found under Category B contingency conditions.

Category C5 and C7 Performance

The performance of system under Category C5 and C7 contingencies for Alternative 1 is similar to that of Alternative 2; these results are presented under Alternative 2.

6.3 Alternative 2 Near-term Performance

Category A (N-0)

No reliability criteria violations were observed under Category A conditions.

Category B (N-1) Contingency

Category B thermal loadings above 90% of line ratings are displayed in Table 6-2. The thermal performance of Alternative 2 is similar to that of Alternative 1 since each will be operated at 138 kV/144 kV.

Table 6-2: Category B Thermal Loadings Above 90% – Alternative 2, 2021

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
174L (Bardo 197S to North Holden 395S)	912L \ 9L912 (Red Deer 63S to Nevis 766S)	Scenario 2a BR5 out	138	85.1	103%	87.8
7L205 (Drury 2007 to Vermillion 710S)	7L50 Jarrow Tap	Scenario02a Mahkeses 1 out	138	109.3	96%	106

Category B (N-1) Voltage Violations

No voltage violations were found under Category B contingency conditions.

Category C5 and C7 Performance

The near term performance of Alternative 2 under selected Category C5 and C7 contingencies was carried out; the results are presented in Appendix B and summarized below.

- Each of Alternative 1 and Alternative 2 eliminate all of the thermal overloads described in Section 4.1.3 (prior to reinforcement). However, the Cold Lake area voltage collapse remains. As noted in section 4.1.3, the voltage issue can be managed through load curtailment.
- There is also improvement in the performance of this system for C7 contingencies in the PENV area because of proposed PENV reinforcements.

6.4 Sensitivity Analysis: Alternative 2 @ 240 kV Near-term Performance

Category A (N-0)

No reliability criteria violations were observed under Category A conditions.

Category B (N-1) Contingency

Category B thermal loadings above 90% of line ratings are displayed in Table 6-3. The thermal performance of Alternative 2 @ 240 kV is similar to that of Alternative 1.

Table 6-3: Category B Thermal Loadings Above 90% – Alternative 2 @ 240 kV, 2021

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
174L (Bardo 197S to North Holden 395S)	912L \ 9L912 (Red Deer 63S to Nevis 766S)	Scenario 2a BR5 out	138	85.1	102%	88.7

Category B (N-1) Voltage Violations

No voltage violations were found under Category B contingency conditions.

6.4.1 Category C5 and C7 Analysis

The system performance under Category C5 and C7 contingencies was evaluated and is summarized below. Results are presented in Appendix B.

- One Category C5 contingency in the Cold Lake area causes both thermal and voltage violations that can be mitigated by curtailing load of up to 45 MW in the Cold lake area.
- Two Category C7 contingencies resulted in thermal overloads in the PENV area, one of which can be mitigated by curtailing up to 12 MW of load in the Hanna area and the other by closing the 174L if it was initially operated open. No voltage violations were observed for Category C7 contingencies.

6.5 Alternative 1 Long-term Performance

Category A (N-0)

No reliability criteria violations were observed under Category A conditions.

Category B (N-1) Contingency

Category B thermal loadings above 90% of line ratings are displayed in Table 6-4.

Table 6-4: Category B Thermal Loadings Above 90% – Alternative 1, 2037

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
174L (Bardo 197S to North Holden 395S)	912L \ 9L912 (Red Deer 63S to Nevis 766S)	Scenario 9 BR replacement out*	138	90.1	148%	126
174L (Bardo 197S to Saunders Lake 289S)	912L \ 9L912 (Red Deer 63S to Nevis 766S)	Scenario 9 BR replacement out*	138	90.1	116%	108.9

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
7L130 (Vermillion 710S to Kitscoty)	Briker Tap 7L749 (Edgerton 889S to Lloydminster 716S)	Scenario 6	138	72	93%	68
7L749 (Edgerton 889S to Briker Tap 880S)	7L130 (Vermillion 710S to Kitscoty 705S)	Scenario 10a	138	96	97%	94
Nevis (766S) 240/138 Transformer	9L120 (Nevis 766S to Cordell 755S)	Scenario 09 Sheerness replacement out	240/138	100	96%	96

* This scenario represents no generation available; either full Battle River coal retirement or replacement with one 455 MW unit/train at the Battle River site

Category B (N-1) Voltage Violations

No voltage violations were found under Category B contingency conditions.

6.6 Alternative 2 Long-term Performance

Category A (N-0)

No reliability criteria violations were observed under Category A conditions.

Category B (N-1) Contingency

Category B thermal loadings above 90% of line ratings are displayed in Table 6-5.

Table 6-5: Category B Thermal Loadings Above 90% – Alternative 2, 2037

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
174L (Bardo 197S to North Holden 395S)	912L \ 9L912 (Red Deer 63S to Nevis 766S)	Scenario 9 BR replacement out	138	90.1	151%	134.3
174L (Bardo 197S to Saunders Lake 289S)	912L \ 9L912 (Red Deer 63S to Nevis 766S)	Scenario 9 BR replacement out	138	90.1	118%	110.4
7L130 (Vermillion 710S to Kitscoty	Briker Tap 7L749 (Edgerton 889S to Lloydminster 716S)	Scenario 9 BR out	138	86.3	96%	86
7L749 (Edgerton 889S to Briker Tap 880S)	7L130 (Vermillion 710S to Kitscoty 705S)	Scenario 10a	138	96	94%	95

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
766S Nevis Transformer	9L20 (Nevis 766S to Cordell 755S)	Scenario 9 SH out	240/138	100	96%	96

Category B (N-1) Voltage Violations

No voltage violations were found under Category B contingency conditions.

6.6.1 Category C5 and C7 Performance

The system performance for selected C5 and C7 contingencies and results are presented in Appendix B.

Under C5 contingency conditions, long term performance has improved compared to near term results because there are no voltage violations and thermal violations are less severe and could be managed with relatively less load shedding.

The over loads for C7 contingencies is slightly higher than the near term performance due to load growth and can be mitigated by load tripping RAS. No voltage violations are observed.

6.7 Sensitivity Analysis: Alternative 2 @ 240 kV Long-term Performance

Category A (N-0)

No reliability criteria violations were observed under Category A.

Category B (N-1) Contingency Analysis:

Category B thermal loadings above 90% of line ratings are displayed in Table 6-6.

Table 6-6: Category B Thermal Loadings Above 90% – Alternative 2@240 kV, 2037

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
174L (Bardo 197S to North Holden 395S)	912L \ 9L912 (Red Deer 63S to Nevis 766S)	Scenario 9 BR replacement out	138	90.1	145%	130.7
174L (Bardo 197S to Saunders Lake 289S)	912L \ 9L912 (Red Deer 63S to Nevis 766S)	Scenario 9 BR replacement out	138	90.1	116%	108.9
7L130 (Vermillion 710S to Kitscoty	Briker Tap 7L749 (Edgerton 889S to	Scenario 9 BR Out	138	86.3	96%	86

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
	Lloydminster 716S)					
7L749 (Edgerton 889S to Briker Tap 880S)	7L130 (Vermillion 710S to Kitscoty 705S)	Scenario 10a	138	96	94%	90
766S Nevis Transformer	9L20 (Nevis 766S to Cordell 755S)	Scenario 9 SH out	240/138	100	95%	95.1
7L205 (Drury 2007 to Vermillion 710S)	7L50 (757S Battle River to 526S Buffalo Creek)	Scenario 07a_Primrose out	138	109	94%	106

Category B (N-1) Voltage Violations

No voltage violations were found under Category B contingency conditions.

6.7.1 Category C5 and C7 Performance

A summary of thermal overloads and voltage violations for the selected C5 and C7 contingences are presented in Appendix B.

Thermal violations were observed for two Category C5 contingencies in the PENV area, one of which requires a load trip RAS for mitigating these thermal violations and the other will be mitigated by closing normally open 174L. No voltage violation was observed in the long-term scenarios – a significant improvement compared to near term performance.

For C7 contingencies, three contingencies resulted in thermal violations, one of which can be managed by an existing load trip RAS and the other two can be managed through real time operational measures.

6.8 Summary of Near-term and Long-term Performance

- No voltage violations were observed in the near-term or long-term under either Category A or Category B conditions. This indicates that the system can serve the forecast load without additional VAr support devices in the area up to 2037.
- Alternative 1, Alternative 2 and Alternative 2 @ 240 kV meet the thermal criteria in the near to long-term. The thermal overloads observed on 138 kV transmission line 174L (Saunders Lake to Bardo via Cooking Lake) are not improved or worsened by either of the alternatives or Alternative 2 @ 240 kV and do not therefore affect the preferred alternative selection for transmission reinforcement in the PENV area. Further details on the AESO's plans to address 174L constraints, should they occur, are provided below.

6.9 Transmission Constraints on 174L

The AESO is aware of potential thermal overloads on 174L and has considered non-wire mitigations including utilizing the emergency line rating, EATL re-dispatch, and operating the line as normally open. These mitigations are all feasible and the AESO will use one or more of these measures to avoid or delay transmission development related to 174L.

Future loading on 174L is dependent on several factors including PENV generation development and coal retirement timing and replacements. Further, any future developments to increase transfer in/out of the PENV area could reduce thermal loading on 174L under contingency conditions and thus avoid the observed overloads. As part of its long-term planning studies, the AESO will continue to evaluate the need to address potential constraints on 174L and establish mitigating operational procedures, if required.

6.10 Sensitivity Analysis – Battle River Coal Generation Retirement and Replacement

To address the uncertainty of retirement generation scenarios at Battle River, the impact of the following generation scenarios at the existing Battle River site was investigated. Since the performance of Alternative 2 is similar to that of Alternative 1, the sensitivity analysis was carried out for Alternative 1 and Alternative 2 @ 240 kV.

- Prior to Battle River units 4 (155 MW) and 5 (385 MW) retirement - this scenario represents availability of generation at the Battle River site in the near-term. Battle River unit 5 was taken out as the critical generator-out (N-G) condition.
- Following Battle River units 4 and 5 retirement - the retired units were replaced by one single 500 MW combined cycle plant. Under this scenario, the new plant was assumed to be off line (to meet the N-G condition) when assessing the load serving capability in the area.
- Following Battle River units 4 and 5 retirement - the retired units were replaced by two combined cycle trains each with a capacity of 250 MW. Under this scenario, one 250 MW combined cycle train was taken out of service as the N-G condition with 250 MW of generation capacity available at the current Battle River site.

6.10.1 Sensitivity Analysis Conclusions

The need to mitigate transmission line 174L violations would occur beyond the near-term load levels and when the Battle River units retire, assuming the constraints on 174L are not otherwise addressed by additional transmission development in the area. The system performance and load serving capability of Alternative 1 and Alternative 2 @ 240 kV do not depend upon the available generation at Battle River assuming 174L is operated as normally open, because any change in available Battle River generation is compensated by increased supply from strong 240 kV source lines from the Red Deer (912L) and Sheerness areas (9L59, 9L24, 933L, 934L and 950L).

Otherwise, if, for example, 174L capacity is increased in the future by way of a rebuild, Alternative 1 and Alternative 2 @ 240 kV would not depend on EATL dispatch adjustments to meet forecast load in the long-term provided there is some generation at the Battle River site under the N-G condition. In this example, transmission line 174L would remain closed.

6.11 System Losses Evaluation

System losses were estimated for the existing system, Alternative 1, Alternative 2, and Alternative 2 @ 240 kV in the near-term (2021) and the long-term (2037).[8] These were estimated for summer peak, summer light and winter peak load under Category A conditions. The average system losses and the average losses in the PENV study area are summarized in Table 6-7. The average system losses were calculated by taking the numerical average of system losses in all of study scenarios.

Table 6-7: Average Losses (MW)

Scenario	System Losses	Study Area Losses	PENV Area Losses
Existing System	448.8	57.8	32.4
2021, Alternative 1	443.1	53.1	28.4
2021, Alternative 2	441.7	51.5	26.9
2021, Alternative 2 @240 kV	441.3	51	25.9
2037, Alternative 1	492.9	72.3	31.9
2037, Alternative 2	492.1	72.3	31.9
2037, Alternative 2 @240 kV	485.3	67.3	27.9

Alternative 1 and Alternative 2 reduce existing system losses by 5.7 MW and 7.1 MW respectively in 2021. Alternative 2 further reduces system losses by 0.4 MW if energized to 240 kV in 2021, and 7.6 MW if energized in 2037.

[8]. The AESO is not proposing 240 kV operation in 2021. This case is a proxy for energization of Alternative 2 @ 240 kV between 2021 and 2037.

7 Generation Integration Capability Assessment

The Government of Alberta recently announced its Climate Leadership Plan under which a target is established that at least 30% of the electric energy produced in Alberta, measured on an annual basis, will be produced from renewable energy resources by 2030, of which 5,000 MW of renewable generation will be supported through the AESO Renewable Energy Program. While there is uncertainty in respect of the timing, location and magnitude of the individual renewable generation projects, the Study Area has potential for further wind development. Consequently, the AESO conducted a generation integration capability assessment to evaluate the capability of the alternatives to accommodate generation development along the two proposed transmission paths (Drury-Nilrem and Hansman Lake-Edgerton).

7.1 Assumptions & Methodology

Assumptions

- Generation congestion under N-1 outage conditions would be managed via Remedial Action Schemes. Therefore, the generation integration capability was assessed under N-0 operating conditions.
- Generation is assumed to be connected at Drury 2007S and Edgerton 899S substations as these locations stress the underlying 138/144 kV network in the PENV area.
- The generation in the rest of the AIES was not re-dispatched when new generation was injected at the Drury and Edgerton substations because it is a relatively small percentage of total system dispatched generation and any surplus generation will find its way onto tie lines and alter the flows on tie lines. When significant volumes of generation are added to the PENV Area, the surplus energy is transported to the load centers outside of the area. This surplus generation can be evacuated to the bulk system without overloading the 240 kV Cordell to Red Deer 912L/9L20 path by suitably adjusting the dispatch on EATL from a south to north direction.

Methodology

- The near-term (2021) study scenarios were chosen as the starting point for the generation integration studies as these contain low load levels compared to the long-term (2037) scenarios and therefore provide higher stress conditions for generation integration.
- The generation injections at the Drury and Edgerton substations were gradually increased until the first thermal overload under Category A conditions was observed, which established the generation connection capability for the two locations. The exception to this approach was that the de-rated lines 7L749 and 749L were assumed to be restored to design capacity when found to be the limiting factor.
- The generation integration capability was calculated as the arithmetic sum of the generation injections added at Edgerton and Drury substations. The combined capability at Drury and Edgerton was maximized.
- The following system configurations were also evaluated under each alternative.

  i. Three inter-area 138 kV lines 174L (Saunders Lake 289S to Bardo 197S, 7L92 (Vegreville 709S to Whitby Lake 819S) and 7L53 (Irish Creek 706S to Bonnyville 700S) closed to

determine the maximum generation capacity that could be reliably integrated if the system were operated with the present system configuration.

ii. Three inter-area 138 kV lines 174L, 7L92 and 7L53 operated normally open under high generation conditions to determine the maximum generation capacity that could be reliably integrated by opening lines to avoid cross flows and thus eliminate the need to reinforce these long lines.

- Assessments were conducted for Alternative 1, Alternative 2 and Alternative 2 @ 240 kV. The results of the Alternative 2 assessment are the same as those of Alternative 1 and are not reported but are included in Appendix C.

7.2 Generation Integration Capability Assessment: 7L53, 7L92 and 174L Closed

The generation integration capability results for Alternative 1 and Alternative 2 @ 240 kV, assuming 7L53, 7L92 and 174L remain closed, are provided in Table 7-1 and Table 7-2 below.

As demonstrated in the following tables, Alternative 2 @ 240 kV has greater capability than Alternative 1. Table 7-1 shows that the generation integration capability of Alternative 1 is mainly limited by the existing de-rated 749L and 7L749 lines; restoring these two lines segments, with the three 138 kV lines closed, can increase the generation integration capability of Alternatives 1 & 2 to equal that of Alternative 2 @ 240 kV. Conversely, Alternative 2 @ 240 kV can integrate up to 380 MW of new additional generation without the need to restore 7L749 and 749L.

In order to maximize total combined generation integration capability at the Drury and Edgerton substations, the AESO found that relatively more generation needs to be connected along the Hansman Lake to Edgerton path compared to the Drury – Nilrem path to avoid overloads on 7L117 line. By connecting more generation along the Hansman Lake to Edgerton path, a large amount of power flows to the existing 240 kV system to serve loads in the southern part of the Central East Sub-region and Red Deer area and hence does not stress the 138 kV lines in the PENV area.

The Drury – Nilrem path has less generation integration capability because, unlike the Hansman Lake to Edgerton path, any increase in generation will overload line 7L117 to supply loads in the Cold Lake area and has no direct access to 240 kV system.

Conclusions:

- Without restoration of 7L49 and 749L, Alternative 1 and 2 have a maximum new generation capability of 290 MW. After restoration of 7L749 and 749L, this capability is raised to 380 MW.
- Without restoration of 7L49 and 749L, Alternative 2 @ 240 kV has a maximum new generation capability of 380 MW.

Table 7-1: Alternative 1 - Generation Integration Capability 7L53, 7L92 and 174L Closed

Condition	Drury (MW)	Edgerton (MW)	Total N-0 Capacity (MW)	Study Scenario	Limiting Factor
749L not restored	60	230	290	Scenario 2	7L749 Briker tap to Edgerton (88/96 MVA)
Restore 749L Edgerton to Briker tap	30	320	350	Scenario 2	749L Edgerton to Killarney tap de-rated (88/96 MVA)

Condition	Drury (MW)	Edgerton (MW)	Total N-0 Capacity (MW)	Study Scenario	Limiting Factor
Restore 749L Edgerton to Briker tap and 749L Edgerton to Killarney tap (121/149 MVA)	30	350	380	Scenario 2	7L117 (109/139) 749L Edgerton to Briker tap (109/139 MVA)

Table 7-2: Alternative 2 @ 240 kV - Generation Integration Capability 7L53, 7L92 and 174L Closed

Condition	Drury (MW)	Edgerton (MW)	Total N-0 Capacity (MW)	Study Scenario	Limiting Factor
749L not restored	30	350	380	Scenario 2	7L117(109/139 MVA)

7.3 Generation Integration Capability Assessment: 7L53, 7L92 and 174L Normally Open

The generation integration capability results for Alternative 1 and Alternative 2 @ 240 kV, with the 138 kV transmission lines 7L53, 7L92 and 174L opened under high generation conditions, are provided in Table 7-3 and Table 7-4 and summarized below.

- Alternative 1 maximum generation integration capability increases from 290 MW to 410 MW without the need to restore de-rated transmission lines 7L749 and 749L. By restoring 749L, Alternative 1 has a maximum generation integration capability of 520 MW.
- Alternative 2 @ 240 kV with no line restorations would provide a maximum of 860 MW of generation integration capability and greater locational flexibility (multiple average sized wind facilities can directly connect to the proposed lines) due to its higher conductor capacity under the same system conditions. Moreover, at least 300 MW of generation capacity could connect to the Drury substation – compared to the case when all the three lines are closed.
- If 749L is restored to its full rating, then the generation integration capability for Alternative 2 @ 240 kV would rise to 880 MW. However, the limiting factor at that generation level would be the 912L/9L20 transfer out path; if the transfer out issue were relieved, then the generation integration capability of Alternative 2 @ 240 kV would rise to 950 MW.
- The optimal ratio of generation connection to maximize the PENV area system capability is approximately 65% along the Edgerton-Hansman Lake path and 35% along the Drury-Nilrem path. Any variation to this optimal mix will lower the total amount of generation that can be connected to the PENV area keeping in mind that Drury and/or Drury to Nilrem could facilitate connection of a maximum of 300 MW.
- Due to its higher conductor capacity, Alternative 2 would enable connection of more than one average utility sized wind farm or generation project along the Edgerton-Hansman Lake path. Whereas Alternative 1 could accommodate just one such project on either of the Drury or Edgerton paths, Alternative 2 @ 240 kV would support multiple average-sized wind farms or generation projects on both Edgerton and Drury paths.
- The generation integration capability of the local PENV transmission network is not affected by the Battle River coal unit retirement.

- Opening of the three 138 kV lines significantly increases the generation integration capability (860 MW) by more than double that of keeping these lines closed (380 MW). Moreover, the option of keeping three lines closed restricts the choice for connecting new projects to primarily to a single location (Edgerton – Hansman Lake path).

The detailed results for other topologies are included in Appendix C.

Table 7-3: Alternative 1 - Generation Integration Capability 7L53, 7L92 and 174L Open

Condition	Drury (MW)	Edgerton (MW)	Total N-0 Capacity (MW)	Study Scenario	Limiting Factor
749L not restored	170	240	410	Scenario 3	749L Edgerton to Killarney tap with derated rating (88/96 MVA)
749L restored (121/149 MVA)	200	320	520	Scenario 3	749L Edgerton to Killarney tap (121/149 MVA)

Table 7-4: Alternative 2 @ 240 kV - Generation Integration Capability 7L53, 7L92 and 174L Open

Condition	Drury (MW)	Edgerton (MW)	Total N-0 Capacity (MW)	Study Scenario	Limiting Factor
749L not restored	300	560	860	Scenario 2	749L Edgerton to Killarney tap with de-rated rating (88/96 MVA) 7L205/7L65 (109/139MVA)
749L restored (121/149 MVA)	300	580	880	Scenario 2	7L205(109/139) 912L (488/498 MVA)
749L Restored (121/149 MVA) 912L overload to be addressed via future transfer out reinforcement	300	650	950*	Scenario 2	749L Edgerton to Killarney tap (121/149 MVA) 7L205 (109/139MVA)

*950 MW will overload 912L/9L20 under N-0 conditions even with full support from EATL and/or future transfer-out reinforcement from the Central East Sub-region

7.4 Single Location Generation Integration Capability Summary

The foregoing establishes the collective generation connection capacity assuming optimal distribution between the Nilrem-Drury and Hansman Lake-Edgerton paths. The purpose of this section is to determine the generation connection capability under the least optimal distribution, which assumes generation is developed only along one of the main reinforced transmission paths; Drury-Nilrem or Edgerton-Hansman Lake. In other words, it establishes the limits for maximum integration at either single location.

Accordingly, studies were performed to estimate the generation integration capability at either Drury substation alone or at Edgerton substation (most stressed locations) for Alternative 1 and Alternative 2 @ 240 kV; the results are shown Table 7-5.

Table 7-5: Generation Integration Capability at Single Locations

Single Generation Location	Alternative 1 Capacity (MW)	Alternative 2 @ 240 kV Capacity (MW)
Edgerton 7L92, 7L117, 174L Closed	340	350
Edgerton 7L92, 7L117, 174L Open	320	650
Drury 7L92, 7L117, 174L Closed	105	110
Drury 7L92, 7L117, 174L Open	150	300

Table 7-5 leads to the following conclusions:

- Alternative 2 @ 240 kV offers significantly higher generation integration capability at either Drury 2007S or Edgerton 899S compared to Alternative 1.
- Edgerton 899S substation location can accommodate approximately 650 MW which is more than double that of Drury 2007S substation capability (300 MW) for Alternative 2 @ 240 kV.
- Generation development at a single site reduces the capability of the area significantly as opposed to developing at both sites simultaneously. For example, Alternative 2 @ 240 can support 960MW if spread across both locations compared to 650MW solely at Edgerton.

7.5 Generation Integration Capability Summary

- With 174L, 7L53 and 7L92 operated closed, Alternative 1 requires 7L49/749L line restoration to achieve the same capability of Alternative 2 @ 240 kV.
- To maximize the wind integration capability in the PENV area under all alternatives, transmission lines 174L, 7L53 and 7L92 138/144 kV lines can be operated normally open.
- With 174L, 7L53 and 7L92 operated normally open and with no line restorations, Alternative 2 @ 240 kV provides twice the generation integration capability (860 MW) as Alternative 1 (410 MW), assuming optimal distribution of wind connections. With line restorations, these values rise to 520 MW for Alternative 1 and 880 MW for Alternative 2 @ 240 kV respectively.
- The 880 MW for Alternative 2 @ 240 kV can be further raised to 950 MW if the 912L/9L20 path bottleneck is mitigated.
- Even though it is feasible to connect generation projects to either of the Drury or Edgerton substations, the total capability at each individual site is lower than when generation is developed at both sites. Optimal combined generation integration capability could be achieved by connecting the generation projects in the ratio of approximately 65%:35% at Edgerton and Drury respectively.
- Alternative 2 has greater locational flexibility for connecting generation to either of the Nilrem-Drury or Hansman Lake-Edgerton path due to the higher capacity of 240 kV lines at 240 kV energization levels.

8 Voltage Stability Analysis

Voltage stability analysis was performed for critical buses in the Study Area. P-V analysis was carried out to determine the system voltage stability margins associated with Alternative 1 and Alternative 2 @ 240 kV for the near-term and long-term study years. Voltage stability analysis was not undertaken for Alternative 2 which was assumed to have similar results to Alternative 1.

The following voltage stability analysis studies were carried out;

i. The existing system under N-0 and N-1 contingency conditions in the near-term (2021).

ii. The long-term (2037) performance for Alternative 1 and Alternative 2 @ 240 kV with 174L closed.

iii. The long-term (2037) performance for Alternative 1 and Alternative 2 @ 240 kV with 174L open.

iv. The system performance for selected Category C5 contingencies for Alternative 1 and Alternative 2 @ 240 kV.

A summary of the results is presented below. The P-V plots for all the studied scenarios presented in the following Tables are provided in Appendix D.

8.1 Voltage Stability Analysis - 2021, Prior to PENV Development

The PV voltage stability analysis results are provided in Table 8-1 below. The system meets the voltage stability criteria requirements.

Table 8-1: Voltage Stability Results - 2021, Prior to PENV Development

System Normal and Category B Contingency	Forecast 2021 Winter Peak (MW)	105% Required Limit (MW)	Minimum Margin* (MW)	Nose Point (MW)	Meets Voltage Criteria?
Normal system condition	578	607	40	796	YES
7L130 (Vermillion 710S to Kitscoty 705S)				633	YES
7L53 (Bonnyville 700S to Irish Creek 706S)				713	YES
7L701 (Strome 223S to Battle River 757S)				794	YES
9L46 (Pemukan 932S to Lanfine 959S)				694	YES
7L92 (Vilna 777S to Vegreville 709S)				779	YES
7L77 (Vegreville 709S to North Holden 395S)				763	YES
7L794 (Whitby Lake 849S to Lac La Biche 157S)				785	YES
Battle River 240/144 kV transformer				764	YES
749L (Edgerton 899S to Metiskow 648S)				**618**	YES

*Minimum margin represents the PV margin achieved under the most critical N-1 condition as indicated by the bolded format.

8.2 Alternative 1 Voltage Stability Results - 2037, 174L Closed

The PV voltage stability analysis results are provided in Table 8-2 below. The system meets the voltage stability criteria requirements.

Table 8-2: Alternative 1 Voltage Stability Results - 2037, 174L Closed

System Normal and Category B Contingency	Forecast 2037 Winter Peak (MW)	105% Required Limit (MW)	Minimum Margin* (MW)	Nose Point (MW)	Meets Voltage Criteria?
Normal system condition	675	709	**50**	920	YES
7L130 (Vermillion 710S to Kitscoty 705S)				730	YES
7L53 (Bonnyville 700S to Irish Creek 706S)				775	YES
7L701 (Strome 223S to Battle River 757S)				915	YES
9L46 (Pemukan 932S to Lanfine 959S)				**725**	YES
7L92 (Vilna 777S to Vegreville 709S)				875	YES
7L77 (Vegreville 709S to North Holden 395S)				870	YES
7L794 (Whitby Lake 849S to Lac La Biche 157S)				875	YES
Battle River 240/144 kV transformer				830	YES
Drury 2007S to Nilrem 574S line in Alternative 1				905	YES
749L (Edgerton 899S to Metiskow 648S)				900	YES

*Minimum margin represents the PV margin achieved under the most critical N-1 condition as indicated by the bolded format.

8.3 Alternative 2 @ 240 kV Voltage Stability Results - 2037, 174L Closed

Table 8-3: Alternative 2@ 240 kV Voltage Stability Results - 2037, 174L Closed

System Normal and Category B Contingency	Forecast 2037 Winter Peak (MW)	105% Required Limit (MW)	Minimum Margin* (MW)	Nose Point (MW)	Meets Voltage Criteria?
Normal system condition	675	709	**135**	965	YES
7L130 (Vermillion 710S to Kitscoty 705S)				820	YES
7L53 (Bonnyville 700S to Irish Creek 706S)				865	YES
7L701 (Strome 223S to Battle River 757S)				965	YES
9L46 (Pemukan 932S to Lanfine 959S)				**810**	YES
7L92 (Vilna 777S to Vegreville 709S)				940	YES
7L77 (Vegreville 709S to North Holden 395S)				915	YES
7L794 (Whitby Lake 849S to Lac La Biche 157S)				940	YES
Battle River 240/144 kV transformer				905	YES
Drury 2007S to Nilrem 574S line in 240 kV Alternative				950	YES
749L (Edgerton 899S to Metiskow 648S)				960	YES

*Minimum margin represents the PV margin achieved under the most critical N-1 condition as indicated by the bolded format.

8.4 Alternative 1 Voltage Stability Results - 2037, 174L Open

Table 8-4: Alternative 1 Voltage Stability Results - 2037, 174L Open

System Normal and Category B Contingency	Forecast 2037 Winter Peak Load(MW)	105% Required Margin (MW)	Minimum Margin* (MW)	Nose Point (MW)	Meets Voltage Criteria?
Normal system condition	675	709	**44**	832	YES
7L130 (Vermillion 710S to Kitscoty 705S)				731	YES
7L53 (Bonnyville 700S to Irish Creek 706S)				759	YES
7L701 (Strome 223S to Battle River 757S)				787	YES

System Normal and Category B Contingency	Forecast 2037 Winter Peak Load(MW)	105% Required Margin (MW)	Minimum Margin* (MW)	Nose Point (MW)	Meets Voltage Criteria?
9L46 (Pemukan 932S to Lanfine 959S)				**719**	YES
7L92 (Vilna 777S to Vegreville 709S)				805	YES
7L77 (Vegreville 709S to North Holden 395S)				825	YES
7L794 (Whitby Lake 849S to Lac La Biche 157S)				815	YES
Battle River 240/144 kV transformer				770	YES
Drury 2007S to Nilrem 574S line in Alternative 1				811	YES
749L (Edgerton 899S to Metiskow 648S)				814	YES

*Minimum margin represents the PV margin achieved under the most critical N-1 condition as indicated by the bolded format.

8.5 Alternative 2 @ 240 kV Voltage Stability Results - 2037, 174L Open

Table 8-5: Alternative 2@ 240 kV Voltage Stability Results - 2037, 174L Open

System Normal and Category B Contingency	Forecast 2037 Winter Peak Load(MW)	105% Required Limit (MW)	Minimum Margin* (MW)	Nose Point (MW)	Meets Voltage Criteria?
Normal system condition				925	YES
7L130 (Vermillion 710S to Kitscoty 705S)				820	YES
7L53 (Bonnyville 700S to Irish Creek 706S)				845	YES
7L701 (Strome 223S to Battle River 757S)				870	YES
9L46 (Pemukan 932S to Lanfine 959S)				**795**	YES
7L92 (Vilna 777S to Vegreville 709S)	675	709	**120**	875	YES
7L77 (Vegreville 709S to North Holden 395S)				925	YES
7L794 (Whitby Lake 849S to Lac La Biche 157S)				885	YES
Battle River 240/144 kV transformer				860	YES
Drury 2007S to Nilrem 574S line in 240 kV Alternative				870	YES
749L (Edgerton 899S to Metiskow 648S)				*920*	*YES*

*Minimum margin represents the PV margin achieved under the most critical N-1 condition as indicated by the bolded format.

8.6 C5 Voltage Stability Analysis Results

The following table presents a summary of voltage stability analysis results for selected C5 contingencies.

Table 8-6: Voltage Stability Results for C5 contingencies- 2021, Prior to PENV Development

Category C5 Contingency	Forecast 2021 Winter Peak (MW)	102.5% Required Limit (MW)	Minimum Margin* (MW)	Nose Point (MW)	Meets Voltage Criteria?
240 kV lines 9L80+9L79				787	YES
240 kV lines 948L+1047L				793	YES
144 kV lines 7L14+7L130	578	593	**88**	**666**	YES
240 kV lines 9L36+9L37				804	YES
240 kV lines 901L+912L				806	YES
144 kV lines 7L128+7L171				815	YES

Category C5 Contingency	Forecast 2021 Winter Peak (MW)	102.5% Required Limit (MW)	Minimum Margin* (MW)	Nose Point (MW)	Meets Voltage Criteria?
240 kV lines 953L+1047L				753	YES

*Minimum margin represents the PV margin achieved under the most critical N-1 condition as indicated by the bolded format

Table 8-7: Alternative 1 Voltage Stability Results – 2021

Category C5 Contingency	Forecast 2021 Winter Peak (MW)	102.5% Required Limit (MW)	Minimum Margin* (MW)	Nose Point (MW)	Meets Voltage Criteria?
240 kV lines 9L80+9L79	578	593	130	821	YES
240 kV lines 948L+1047L				826	YES
144 kV lines 7L14+7L130				708	YES
240 kV lines 9L36+9L37				845	YES
240 kV lines 901L+912L				839	YES
144 kV lines 7L128+7L171				853	YES
240 kV lines 953L+1047L				768	YES

Table 8-8: Alternative 2 @ 240 kV Voltage Stability Results – 2021

Category C5 Contingency	Forecast 2021 Winter Peak (MW)	102.5% Required Limit (MW)	Minimum Margin* (MW)	Nose Point (MW)	Meets Voltage Criteria?
240 kV lines 9L80+9L79	578	593	238	884	YES
240 kV lines 948L+1047L				894	YES
144 kV lines 7L14+7L130				**816**	**YES**
240 kV lines 9L36+9L37				922	YES
240 kV lines 901L+912L				916	YES
144 kV lines 7L128+7L171				933	YES
240 kV lines 953L+1047L				832	YES

Table 8-9: Alternative 1 Voltage Stability Results – 2037

Category C5 Contingency	Forecast 2021 Winter Peak (MW)	102.5% Required Limit (MW)	Minimum Margin* (MW)	Nose Point (MW)	Meets Voltage Criteria?
240 kV lines 9L80+9L79	675	692	97	798	YES
240 kV lines 948L+1047L				858	YES
144 kV lines 7L14+7L130				**772**	YES
240 kV lines 9L36+9L37				845	YES
240 kV lines 901L+912L				849	YES
144 kV lines 7L128+7L171				875	YES
240 kV lines 953L+1047L				784	YES

Table 8-10: Alternative 2 @ 240 kV Voltage Stability Results - 2037

Category C5 Contingency	Forecast 2021 Winter Peak (MW)	102.5% Required Limit (MW)	Minimum Margin* (MW)	Nose Point (MW)	Meets Voltage Criteria?
240 kV lines 9L80+9L79	675	692	154	851	YES
240 kV lines 948L+1047L				912	YES
144 kV lines 7L14+7L130				838	YES
240 kV lines 9L36+9L37				917	YES
240 kV lines 901L+912L				905	YES
144 kV lines 7L128+7L171				939	YES
240 kV lines 953L+1047L				**829**	YES

***Minimum margin represents the PV margin achieved under the most critical N-1 condition as indicated by the bolded format**

8.7 Voltage Stability Analysis - Conclusions

- The PENV transmission system meets voltage stability criteria in the near-term and long-term under Category A, critical Category B and selected C5 contingency conditions following implementation of Alternative 1 or Alternative 2 @ 240 kV.
- The loss of 749L in the near-term was found to be the worst contingency as it causes very low voltages for the existing system.
- Alternative 1 and Alternative 2 @ 240 kV improve the voltage stability margin.
- The P-V margin is slightly reduced when 174L is open as the system loses voltage support from this path.
- Alternative 2 @ 240 kV provides a wider operating voltage range compared to Alternative 1 as indicated by the minimum operating margin.

9 Transient Stability Analysis

Transient stability analysis was performed for the existing system (prior to PENV system reinforcement) and for Alternative 1 and Alternative 2 @ 240 kV. Since the performance of Alternative 2 is quite similar to that of Alternative 1, results for Alternative 1 are only presented here. The transient stability assessment analysis assumed generic wind modeling data for dynamics as it provides a representative performance of system stability under the simulated conditions. Actual project-specific model data, as this information becomes known, will be utilized as part of the connection assessment studies.

High wind conditions were selected as the study scenarios for transient stability analysis since they stress the system. The generation integration capability assessment had identified maximum wind generation capacity at Edgerton 899S and Drury 2007S that could be integrated under both Alternative 1 and Alternative 2 @ 240 kV. In the transient stability analysis for the Alternative 2 @ 240 kV, the wind generation in Edgerton 899S and Drury 2007S was dispatched to this identified wind generation capacity, 560 MW and 300 MW respectively, for a total of 860 MW. The wind integration capabilities for Alternative 1 are 240 MW at Edgerton and 170 MW at Drury respectively for a total capacity of 410 MW.

Category A, Category B (three-phase-to-ground fault and single-line-to-ground fault), Category C5 (line-to-line-to-ground fault), and Category C7 (single-line-to-ground fault) contingencies were analyzed to assess the transient stability performance of both prior to and following the PENV transmission reinforcement for Alternative 1 and Alternative 2 @ 240 kV. The fault clearing times and contingency lists are summarized in Appendix E.

The dynamic response of variables at key substations, lines and generators was monitored under all contingencies. The monitored parameters include machine rotor angle, machine speed, machine terminal voltage, active power and reactive power output of conventional generators including wind projects, line flows, tie line flows, and tie line frequency. Appendix E provides a summary of study results for Category A, B, C5 and C7 contingences.

9.1 Assumptions

The study scenarios utilized for the PENV transmission reinforcement alternatives in the near term include winter peak load and summer light load cases with wind generation dispatched to the maximum capacity identified by the generation integration capability assessment. The scenario assumptions for each of Alternative 1 and Alternative 2 @ 240 kV are described below. In both cases, the system stability was assessed by keeping the existing 138/144 kV transmission lines 7L53, 7L92 and 174L normally open to align with the steady state assumptions that were used for estimating maximum wind integration capability.

For Alternative 1 two generic wind farms of 200 MW and 100 MW respectively were assumed connected at the Edgerton station and were dispatched to 200 MW and 70 MW respectively for a total of 270 MW. At the Drury substation, one wind farm of size 200 MW was assumed connected but dispatched to 140 MW only (See scenarios 3 and 4 in Table 9-1 below).

For Alternative 2 @ 240 kV three generic wind farms, Edgerton wind farm #1, #2 and #3, of 200 MW each were assumed to be connected to the 240 kV Edgerton 899S substation and these were dispatched to 200 MW, 200 MW and 160 MW respectively for total capacity of 560 MW in Scenario 5 and Scenario 6. Two generic wind farms, Drury wind farm #1 and #2, with a total generation of 300 MW were assumed to be connected to the 240 kV Drury 2007S substation and were dispatched to 150 MW each in Scenario 5 and Scenario 6.

9.1.1 Dynamic Models

Drury wind farm #1 and Edgerton wind farm #1 were assumed to be equipped with Type 3 wind turbines, for which the GE 1.5 MW Type 3 wind turbine dynamics model provided by Siemens PTI was used. Drury wind farm #2, Edgerton wind farm #2, and Edgerton wind farm #3 were assumed to be equipped with Type 4 wind turbines, for which the GE 2.5 MW Type 4 wind turbine dynamics model provided by Siemens PTI was used. The actual dynamic models for the existing facilities and generators were used where available. The study scenarios for transient stability analysis are summarized in Table 9-1.

Table 9-1: Summary of Study Scenarios for Transient Stability analysis

Description	Scenario	Load Condition	System Project Condition	PENV area Load (MW)	Wind Generation Edgerton (MW)	Wind Generation Drury (MW)
Existing System	1	SL	Pre-project	327	0	0
	2	WP	Pre-project	578	0	0
Alternative 1	3	SL	Post project with Alternative 1	326	240	170
	4	WP		578	240	170
Alternative 2@ 240 240 kV	5	SL	Post Project with Alternative 2@ 240 kV	327	560	300
	6	WP		578	560	300

9.2 Transient Stability Analysis Results

9.2.1 Assessment of Existing System Prior to PENV Development

The system was found to be stable for Category A and for studied Category B, C5 and C7 contingencies for both winter peak and summer light load conditions (Scenarios #1 and #2).

9.2.1.1 Assessment of Alternative 1

The system was found to be stable for Category A and for studied Category B, C5 and C7 contingencies for both winter peak and summer light load conditions (Scenarios #3 and #4).

9.2.1.2 Assessment of Alternative 2 @ 240 kV

The system was found to be stable for Category A and for studied Category B, C5 and C7 contingencies except for the two Category B contingencies described below.

The two contingencies listed below may require a RAS to curtail total wind generation to less than 466 MW to maintain system stability. The amount of curtailment will vary with future system enhancements in the area, the type of wind technology selected (e.g. type 3 or type 4 wind turbines), and the location of wind generation connected in the PENV area.

- Three-phase-to-ground fault on 912L at Nevis 766S - this stability issue is due to loss of the major transfer-out path (912L) of the Battle River coal units and Central East Sub-region wind generation to the grid.
- Three-phase-to-ground fault on the 240 kV line from Edgerton 899S to Hansman Lake 650S - the system will require RAS to shed excess generation due to lack of adequate transmission to evacuate the assumed generic 560 MW generation capacity connected close to the Edgerton substation.

9.2.2 Proposed Mitigation Measures

Since the generation integration capability was established based on N-0 power flow analysis in the generation integration capability assessment, RAS is required to mitigate steady-state thermal criteria violations under steady state conditions. The studies indicate that up to 450 MW of generation needs to be curtailed at Edgerton and Drury Substations to mitigate the identified potential criteria violation under the Category B contingencies for Alternative 2 @ 240 kV and up to 350 MW for Alternative 1. In general, the RAS will be designed to allocate optimal quantity of generation curtailment at Edgerton and Drury under the foregoing critical contingencies. Power flow plots pre-RAS and post-RAS are included in Appendix D to demonstrate that the RAS resolves thermal violations. The actual final RAS design will be developed as part of the individual connections and is outside the present scope and hence is not included here.

For alleviating the stability issues mentioned earlier, RAS will be required to curtail up to 160 MW of generation at Edgerton and Drury substations for Alternative 2 @ 240 kV. The RAS simulation results, as shown in Appendix E, indicate that the system can maintain stability post-contingency with the proposed RAS implemented.

9.3 Conclusions

A summary of the transient stability conclusions is provided below:

- The existing system was found to be stable under Category A and Category B, C5, and C7 contingencies.
- Under Alternative 1 and with 410 MW of additional wind generation connected to the Edgerton and Drury substations, no transient stability issues were identified under Category A or Category B, C5, and C7 contingencies. However, a RAS will be required to curtail up to 350 MW of generation for mitigating thermal overloads under steady state conditions.
- With 860 MW of wind generation connected at Edgerton and Drury substations under Alternative 2 @ 240 kV, the system was found to be stable except for two critical Category B contingencies. RAS will be designed to maintain system stability for these two contingencies. The proposed RAS consists of curtailing wind generation to approximately 160 MW at the Edgerton and Drury substations.

10 Short-circuit Analysis

Short circuit analysis was performed for the Study Area using the high generation scenarios for study years 2021 and 2037 for Alternative 1, Alternative 2 and Alternative 2 @ 240 kV.

The objective of the short circuit analysis was to estimate short circuit levels for both the existing system and planned system. Specifically, short circuit analysis was performed for the following scenarios:

(i) Existing system based on near-term study scenarios.

(ii) Long-term (2037) fault levels for Alternative 1 with 7L53, 7L92 and 174L closed.

(iii) Long-term (2037) fault levels for Alternative 1 with 7L53, 7L92 and 174L open.

(iv) Long-term (2037) fault levels for Alternative 2 with 7L53, 7L92 and 174L open.

(v) Long-term (2037) fault levels for Alternative 2 @ 240 kV with 7L53, 7L92 and 174L closed.

(vi) Long-term (2037) fault levels for Alternative 2 @ 240 kV with 7L53, 7L92 and 174L open.

The study assumptions adopted for carrying out short circuit calculations are presented in Appendix F along with a summary of the three phase short circuit currents of all Study Area substations. Summarized results are provided below.

- The three phase short circuit currents are well below the breaker duty values of 31.5 kA at 138 kV and 40 kA at 240 kV in the Study Area, over the planning horizon. This is true for Alternative 1, Alternative 2 and Alternative 2 @ 240 kV.
- Alternative 2 @ 240 kV offers approximately 25% higher short circuit levels in the substations near termination of the 240 kV lines at the Drury and Edgerton substations compared to Alternative 1. The higher short circuit levels help to minimize voltage fluctuations during motor starts and in integrating renewable generation.
- Opening the local transmission lines 174L, 7L92, and 7L53 will reduce short circuit current levels at the substations near Vermillion 710S and Vegreville 709S from the existing levels by up to 50% for Alternative 1. This is not the case with Alternative 2 @ 240 kV which would have relatively higher fault levels than Alternative 1.

11 Technical Selection of the Preferred Alternative

The AESO conducted analyses of Alternative 1 and Alternative 2 to test whether the alternatives met the identified need namely, to serve the AESO 2016 LTO long-term load forecast in compliance with the Alberta Reliability Standards. In addition, the AESO undertook generation integration capability studies to evaluate the level of generation that could be integrated in the PENV area. As both alternatives would be operated at the same voltage level and therefore result in similar system performance, and because Alternative 2 could be energized at 240 kV when needed[9], the AESO also conducted sensitivity analyses on Alternative 2 @ 240 kV. A technical comparison of the alternatives is provided in Table 11-1.

Table 11-1: Technical Comparison of Alternatives

Analysis	Alternative 1 Result	Alternative 2 Result	Alternative 2 @ 240 kV Result
Power Flow – meets load-serving need and thermal and voltage criteria	Yes. Long-term mitigation measures on 174L may be required.	Yes. Long-term mitigation measures on 174L may be required.	Yes. Long-term mitigation measures on 174L may be required.
System Losses – long-term	492.9 MW	492.1 MW	485.3 MW
Voltage Stability – system voltage remains stable (improve voltage stability)	Yes	Yes	Yes Wider operating voltage stability margin
Transient Stability – system remains stable	Yes	Assumed to be similar to Alternative 1	Yes
Short Circuit – acceptable three phase short circuit currents	Yes	Assumed to be similar to Alternative 1	Yes 25% higher short circuit levels
Maximum Generation Integration Capability* (without restoring 749L)	410 MW	410 MW	860 MW
Consistent with 2015 LTP	Yes	Yes	Yes

*Under N-0 Conditions and assuming 7L92, 7L53and 174L are normally opened and RAS is required for N-1 conditions

11.1 Preferred Alternative and Rationale

The AESO's preferred system reinforcement in the PENV area is Alternative 2. While both alternatives meet the forecast load over the long-term and have similar performance and generation integration capability, Alternative 2 offers the flexibility to energize the lines at the 240 kV voltage level which is more resilient to load and generation growth. This advantage will be realized when new generation greater than 410 MW connects to the proposed PENV development. Once converted to 240 kV operation, Alternative 2 would provide the following technical benefits over Alternative 1:

[9] Additional substation development would be required to upgrade to 240 kV operation when the need arises.

- Alternative 2, once converted to 240 kV operation, would enable generation connections up to a maximum of 860 MW (compared to 410 MW for the Alternative 1) assuming the generation is optimally located at Drury and Edgerton, under normal system conditions. The PENV transmission capability enhancement will be implemented by local upgrades to terminating substations only.
- Offers wider voltage stability margin thus enabling security of operation.
- Would provide higher short circuit levels that support reliability of service to both load and renewable generation in the PENV area.
- With a thermal capacity of 480 MVA, Alternative 2 @ 240 kV would permit some or all new generation to be connected anywhere along the two new transmission development paths (due to the higher conductor rating of the Drury-Nilrem and Edgerton-Hansman Lake 240 kV lines) and/or hubs. Alternative 1 is more limited by its 170 MVA capacity to one or two wind farms along each path, before additional transmission development would be required.
- Alternative 2 @ 240 kV would marginally reduce system losses by 1.4 MW in the near term and 7.6 MW in the long term compared to Alternative 1 during the peak load periods. Both alternatives reduce the losses in the near term by approximately 5.5 MW during peak load periods.

12 Project Interdependencies

There are no other AESO transmission reinforcement plans inside or outside of the Study Area that impact the need, the timing, or the transmission development alternatives considered in this Report. There are no AESO transmission plans that directly depend on the transmission development alternatives considered in this Report. Future load and generation connections in the PENV Area will rely on the implementation of the proposed PENV transmission reinforcement for reliable unconstrained access to the AIES.

12.1 CETD Developments to be cancelled

This Report demonstrates that the AESO's preferred Alternative 2 is sufficient to meet the need for development in the PENV area. The PENV planning studies include up-to-date system topology, AESO corporate forecast, and planning horizons all of which differ from those contemplated in the original CETD studies. Therefore, the preferred PENV reinforcement replaces, and the AESO will cancel, the CETD developments listed in Table 12-1 which represents CETD developments in the Provost, Wainwright, Lloydminster, and Battle River areas that have not been constructed.

Table 12-1: Approved CETD Developments Recommended to be cancelled

Approved Development	
3.a.	Rebuild 7L749 between Edgerton 899S and Lloydminster 716S
3.b.	Add 138 kV line between Provost 545S and Hayter 277S
3.c.	Rebuild 748L between Hayter 277S and Killarney Lake 267S
3.d.	Rebuild 715L between Hansman Lake 650S and Provost 545S
3.e.	Rebuild 749L between Metiskow 648S and Edgerton 899S, and Add 138 kV double-circuit line between Killarney Lake tap on 749L and Killarney Lake 267S
4.a.	Add 138 kV line between Wainwright 51S and Edgerton 899S
4.b.	Rebuild 704L and 704AL between Wainwright 51S, Tucuman 478S, and Jarrow 252S
5a.	Upgrade the 72 kV Heisler 764S substation to 144 kV
5.b.	Restore 7L14 from Vermilion 710S to Hill 751S substation
II 1.	Rebuild 7L50 between Battle River 757S and Buffalo Creek 526S
II 2.	Build a new double-circuit 240 kV transmission line with one side strung from Bourque 970S substation to Marguerite Lake 826S substation using two 795 kcmil ACSR conductors per phase. This transmission line is to be initially operated at 144 kV.

As II.2 is located outside of the PENV study area, cancellation of II.2 will be addressed through a separate application to the Commission.

13 Summary and Conclusions

The AESO need assessment studies confirmed that the 138/144 kV network in the PENV area is approaching its thermal capacity under Category A conditions and several transmission lines are overloaded beyond emergency ratings under contingency conditions in the near term. In addition, 174L gets overloaded when the PENV area becomes generation deficient under contingency conditions. Low voltage pockets were observed on substations along the 749L/7L749 path due to heavy loading of this path under contingency conditions.

Moreover, the studies show that the existing system experiences thermal overloads under Category B contingencies when the summer peak load exceeds 400 MW. The summer peak load exceeded this value in 2013, 2015 and 2016 and is forecast to grow beyond 400 MW in 2021-2037. The observed criteria violations are driven by local load growth and low capacity lines in the area. The PENV area transmission system is currently managed in real time by operational procedures such as line reconfigurations and forming radials.

The AESO determined that the PENV area need would be met by the following transmission reinforcement: one new circuit from the Nilrem substation to a new Drury substation in the Vermilion area and one new circuit from the Hansman Lake substation to the Edgerton substation. The AESO then studied Alternative 1 (138 kV/144 kV) and Alternative 2 (240 kV operated at 138 kV/144 kV) system developments to confirm performance and capability of these two alternatives. The AESO also conducted sensitivity analyses on the Alternative 2 operated at 240 kV to further test its generation integration capability.

The performance of Alternative 1, Alternative 2, and Alternative 2 @ 240 kV was evaluated over the 20 year planning horizon and a generation integration capability assessment was conducted to determine the amount of generation that could connect to the proposed development. The AESO's conclusions from the foregoing assessments are provided below.

- Alternative 1, Alternative 2, and Alternative 2 @ 240 kV meet the 20 year forecast load. To serve long term load under various Battle River generation retirement/replacement scenarios, thermal overloads on 174L caused by transfer-in constraints could be mitigated by operational procedures. The timing of the need to mitigate the 174L constraints depends on load growth and generation retirements and would be beyond the near term.
- Alternative 1 and Alternative 2 have a similar generation integration capability, short circuit level, and voltage stability margins. The system was found to be dynamically stable for both alternatives with RAS.

Alternative 2 is the AESO's preferred alternative to meet the PENV area need for system reinforcement. The AESO's preference for Alternative 2 is primarily based on expandability and the benefits gained from operating the proposed development at 240 kV when needed. Future conversion of Alternative 2 to 240 kV operation will enable twice the generation capacity to connect to the proposed PENV development.

The AESO will cancel previously approved CETD developments in the Provost, Wainwright, Lloydminster, and Battle River areas that have not yet been constructed. The cancelled CETD developments are not required with the proposed PENV reinforcements in place.

PENV – APPENDIX A

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1. Category A

Table A-1: 2021 PENV Category A Need Assessment – Thermal Results

Overloaded Element	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
749L (648S Metiskow to 267S Killarney Tap)	Scenario02a	120.9	91.1	116.3
	Scenario02a_Prim	120.9	94.2	120.4
	Scenario02a_Mahk	120.9	93.7	119.6

Table A-2: 2021 PENV Category A Need Assessment – Voltage Results

Bus and Substation	Scenario	Vmax (p.u.)	VMin (p.u.)	Observed Voltage (p.u.)
No voltage violations	N/A	N/A	N/A	N/A

2. Category B

Table A-3: 2021 PENV Category B Need Assessment – Thermal Results

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
7L130 (710S Vermillion to 705S Kitscoty)	749L (899S Edgerton to 648S Metiskow)	Scenario01	71.9	103.7	75.1
		Scenario01_BR4	71.9	103.1	75.2
		Scenario01_BR5	71.9	103.5	75.1
		Scenario01_SH1	71.9	103.6	75.1
		Scenario02a	71.9	104.8	74.9
		Scenario02a_BR5	71.9	104.0	75.0
		Scenario02a_Prim	71.9	106.4	74.8
		Scenario02a_Mahk	71.9	106.3	74.8
		Scenario04	86.3	109.2	92.2
		Scenario04_BR4	86.3	109.2	92.1
		Scenario04_BR5	86.3	109.3	92.1
		Scenario04_SH1	86.3	109.0	92.2

		Scenario05a	86.3	109.6	92.1
		Scenario05a_BR5	86.3	109.4	92.1
		Scenario05a_Prim	86.3	111.7	92.1
		Scenario05a_Mahk	86.3	111.9	92.1
7L14 (705S Kitscoty to 751S Hill)	749L (899S Edgerton to 648S Metiskow)	Scenario01	71.9	97.1	68.4
		Scenario01_BR4	71.9	96.6	68.6
		Scenario01_BR5	71.9	97.0	68.4
		Scenario01_SH1	71.9	97.0	68.4
		Scenario02a	71.9	98.2	68.0
		Scenario02a_BR5	71.9	97.5	68.2
		Scenario02a_Prim	71.9	99.8	67.6
		Scenario02a_Mahk	71.9	99.7	67.6
		Scenario04	86.3	100.9	82.0
		Scenario04_BR4	86.3	100.9	81.9
		Scenario04_BR5	86.3	101.1	81.9
		Scenario04_SH1	86.3	100.8	82.1
		Scenario05a	86.3	101.3	81.7
		Scenario05a_BR5	86.3	101.1	81.9

		Scenario05a_Prim	86.3	103.1	80.9
		Scenario05a_Mahk	86.3	103.3	80.8
7L50 (252S Jarrow Tap to 757S Battle River)	704L (478S Tucuman to 51S Wainwright)	Scenario02a	109.2	91.2	106.4
		Scenario02a_Prim	109.2	96.8	112.7
		Scenario02a_Mahk	109.2	95.8	111.6
	7L77 (395S North Holden to 709S Vegreville)	Scenario02a_Prim	109.2	91.4	106.6
		Scenario02a_Mahk	109.2	90.5	105.6
749L(899S Edgerton to 267S Killarney Tap)	7L130 (710S Vermillion to 705S Kitscoty)	Scenario04	96.1	96.1	94.2
		Scenario04_BR4	96.1	96.1	94.2
		Scenario04_BR5	96.1	96.1	94.1
		Scenario04_SH1	96.1	96.1	94.2
		Scenario05a	96.1	96.1	94.2
		Scenario05a_BR5	96.1	96.1	94.1
		Scenario05a_Prim	96.1	96.1	94.2
		Scenario05a_Mahk	96.1	96.1	94.2
	7L50 (757S Battle River to 526S Buffalo Creek)	Scenario02a	88.0	90.7	82.4
		Scenario02a_Prim	88.0	97.7	88.4
		Scenario02a_Mahk	88.0	96.4	87.3

174L (197S Bardo to 395S North Holden)	9L960 (13S Deerland to 825S Whitefish Lake)	Scenario02a_BR5	85.1	93.5	81.8
	9L961 (13S Deerland to 825S Whitefish Lake)	Scenario02a_BR5	85.1	93.5	81.8
	9L20 (766S Nevis to 755S Cordell)	Scenario02a_BR5	85.1	92.8	81.5
	757S Battle River 240/138 XFMR	Scenario01_BR4	85.1	90.4	79.1
		Scenario04_BR4	90.1	94.9	86.9
	9L80 (757S Battle River to 755S Cordel)	Scenario01_BR4	85.1	90.4	79.1
		Scenario04_BR4	90.1	94.9	86.9
	912L (63S Red Deer to 766S Nevis)	Scenario01_BR5	85.1	96.1	84.5
		Scenario02a_BR5	85.1	105.8	92.8
		Scenario04_BR5	90.1	96.8	89.6
		Scenario05a_BR5	90.1	97.1	89.8
	701L (395S North Holden to 223S Strome)	Scenario02a_BR5	85.1	92.6	81.0
	7L701 (223S Strome to 757S Battle River)	Scenario02a	85.1	91.2	79.2
		Scenario02a_BR5	85.1	103.1	89.4
		Scenario02a_Prim	85.1	97.9	84.6
		Scenario02a_Mahk	85.1	96.8	83.7
7L77 (395S North Holden to 709S	9L960 (13S Deerland to 825S Whitefish	Scenario02a_Prim	109.3	97.2	108.1

Vegreville)	Lake)	Scenario02a_Mahk	109.3	95.6	106.4
	9L961 (13S Deerland to 825S Whitefish Lake)	Scenario02a_Prim	109.3	97.2	108.1
		Scenario02a_Mahk	109.3	95.6	106.4
	7L749 (716S Lloydminster to 899S Edgerton)	Scenario02a_Prim	109.3	90.4	100.8
	7L50 (757S Battle River to 526S Buffalo Creek)	Scenario02a	109.3	103.9	115.8
		Scenario02a_BR5	109.3	98.7	110.1
		Scenario02a_Prim	109.3	112.8	124.8
		Scenario02a_Mahk	109.3	111.2	123.1
	749L (899S Edgerton to 648S Metiskow)	Scenario02a_Prim	109.3	93.7	103.5
		Scenario02a_Mahk	109.3	92.3	102.1
	7129L (525S Buffalo Creek to 710S Vermillion)	Scenario02a	109.3	93.9	105.4
		Scenario02a_Prim	109.3	102.7	114.6
		Scenario02a_Mahk	109.3	101.1	112.9
749L (648S Metiskow to 267S Killarney Tap)	9L960 (13S Deerland to 825S Whitefish Lake)	Scenario02a	120.9	95.6	122.1
		Scenario02a_BR5	120.9	90.7	115.9
		Scenario02a_Prim	120.9	99.5	127.0
		Scenario02a_Mahk	120.9	98.7	126.0

	9L961 (13S Deerland to 825S Whitefish Lake)	Scenario02a	120.9	95.6	122.1
		Scenario02a_BR5	120.9	90.7	115.9
		Scenario02a_Prim	120.9	99.5	127.0
		Scenario02a_Mahk	120.9	98.7	126.0
	7L65 Vegreville to Vermillion	Scenario02a	120.9	95.8	122.4
		Scenario02a_BR5	120.9	92.2	117.7
		Scenario02a_Prim	120.9	99.2	126.6
		Scenario02a_Mahk	120.9	98.6	125.9
	7L130 (710S Vermillion to 705S Kitscoty)	Scenario01	120.9	108.5	138.2
		Scenario01_BR4	120.9	108.5	138.2
		Scenario01_BR5	120.9	108.6	138.2
		Scenario01_SH1	120.9	108.6	138.2
		Scenario02a	120.9	108.5	138.2
		Scenario02a_BR5	120.9	108.5	138.2
		Scenario02a_Prim	120.9	108.5	138.2
		Scenario02a_Mahk	120.9	108.5	138.2
		Scenario04	148.9	104.7	163.7
		Scenario04_BR4	148.9	104.7	163.7

		Scenario04_BR5	148.9	104.7	163.7
		Scenario04_SH1	148.9	104.7	163.7
		Scenario05a	148.9	104.7	163.7
		Scenario05a_BR5	148.9	104.7	163.7
		Scenario05a_Prim	148.9	104.7	163.7
		Scenario05a_Mahk	148.9	104.7	163.7
	7L14 (705S Kitscoty to 751S Hill)	Scenario01	120.9	104.3	132.9
		Scenario01_BR4	120.9	104.2	132.9
		Scenario01_BR5	120.9	104.3	132.9
		Scenario01_SH1	120.9	104.3	132.9
		Scenario02a	120.9	104.2	132.9
		Scenario02a_BR5	120.9	104.3	132.9
		Scenario02a_Prim	120.9	104.3	133.0
		Scenario02a_Mahk	120.9	104.3	133.0
		Scenario04	148.9	99.3	155.7
		Scenario04_BR4	148.9	99.3	155.7
		Scenario04_BR5	148.9	99.3	155.7
		Scenario04_SH1	148.9	99.3	155.7

		Scenario05a	148.9	99.3	155.7
		Scenario05a_BR5	148.9	99.3	155.7
		Scenario05a_Prim	148.9	99.4	155.9
		Scenario05a_Mahk	148.9	99.4	155.9
	9L24 (959S Lanfine to 946S Oakland)	Scenario02a_Prim	120.9	90.2	115.2
	704L (478S Tucuman to 51S Wainwright)	Scenario02a	120.9	96.1	122.7
		Scenario02a_BR5	120.9	90.3	115.3
		Scenario02a_Prim	120.9	99.8	127.4
		Scenario02a_Mahk	120.9	99.2	126.5
	7L77 (395S North Holden to 709S Vegreville)	Scenario02a	120.9	100.0	127.7
		Scenario02a_BR5	120.9	94.9	121.2
		Scenario02a_Prim	120.9	104.1	132.8
		Scenario02a_Mahk	120.9	103.4	131.9
	7L50 (757S Battle River to 526S Buffalo Creek)	Scenario01	120.9	96.0	122.5
		Scenario01_BR4	120.9	94.5	120.6
		Scenario01_BR5	120.9	92.1	117.6
		Scenario01_SH1	120.9	92.1	117.5
		Scenario02a	120.9	113.2	144.4

		Scenario02a_BR5	120.9	104.4	133.1
		Scenario02a_Prim	120.9	118.5	150.9
		Scenario02a_Mahk	120.9	117.6	149.8
		Scenario05a	148.9	91.7	143.7
		Scenario05a_Prim	148.9	96.8	151.5
		Scenario05a_Mahk	148.9	97.1	152.0
	7L701 (223S Strome to 757S Battle River)	Scenario02a	120.9	95.1	121.4
		Scenario02a_Prim	120.9	98.6	125.8
		Scenario02a_Mahk	120.9	97.9	125.0
	7129L (525S Buffalo Creek to 710S Vermillion)	Scenario02a	120.9	106.5	135.9
		Scenario02a_BR5	120.9	97.6	124.6
		Scenario02a_Prim	120.9	111.6	142.4
		Scenario02a_Mahk	120.9	110.7	141.3
		Scenario05a_Prim	148.9	90.7	142.3
		Scenario05a_Mahk	148.9	91.1	142.8
7L129 (918S Bauer Tap to 710S Vermillion)	749L (899S Edgerton to 648S Metiskow)	Scenario02a_Prim	109.2	91.5	97.9
7L50 (252S Jarrow Tap to 526S Buffalo	9L960 (13S Deerland to 825S Whitefish	Scenario02a	109.3	91.8	103.3

Creek)	Lake)	Scenario02a_Prim	109.3	99.7	111.3
		Scenario02a_Mahk	109.3	98.1	109.7
	9L961 (13S Deerland to 825S Whitefish Lake)	Scenario02a	109.3	91.8	103.3
		Scenario02a_Prim	109.3	99.7	111.3
		Scenario02a_Mahk	109.3	98.1	109.7
	7L65 Vegreville to Vermillion	Scenario02a_Prim	109.3	95.3	107.6
		Scenario02a_Mahk	109.3	94.1	106.3
	7L42 Hill to Lloydminster	Scenario02a_Prim	109.3	98.0	109.6
		Scenario02a_Mahk	109.3	96.5	107.9
	9L20 (766S Nevis to 755S Cordell)	Scenario02a_Prim	109.3	94.5	106.3
		Scenario02a_Mahk	109.3	93.3	105.0
	7L749 (716S Lloydminster to 899S Edgerton)	Scenario02a	109.3	100.3	112.4
		Scenario02a_Prim	109.3	108.7	120.9
		Scenario02a_Mahk	109.3	107.2	119.3
	7L77 (395S North Holden to 709S Vegreville)	Scenario02a	109.3	105.1	118.0
		Scenario02a_BR5	109.3	90.6	102.1
		Scenario02a_Prim	109.3	113.9	126.9
		Scenario02a_Mahk	109.3	112.3	125.2

	701L (395S North Holden to 223S Strome)	Scenario02a	109.3	91.6	103.4
		Scenario02a_Prim	109.3	99.0	111.1
		Scenario02a_Mahk	109.3	97.6	109.6
	749L (899S Edgerton to 648S Metiskow)	Scenario02a	109.3	109.5	120.8
		Scenario02a_BR5	109.3	92.5	102.7
		Scenario02a_Prim	109.3	118.2	129.0
		Scenario02a_Mahk	109.3	116.6	127.4
	749L (899S Edgerton to 648S Metiskow)	Scenario02a	109.3	109.5	120.8
		Scenario02a_BR5	109.3	92.5	102.7
		Scenario02a_Prim	109.3	118.2	129.0
		Scenario02a_Mahk	109.3	116.6	127.4
	7L701 (223S Strome to 757S Battle River)	Scenario02a	109.3	95.6	107.6
		Scenario02a_Prim	109.3	103.1	115.3
		Scenario02a_Mahk	109.3	101.7	113.8
7L129 (526S Buffalo Creek to 918S Bauer Tap)	7L749 (716S Lloydminster to 899S Edgerton)	Scenario02a_Prim	109.2	90.1	99.4
	7L77 (395S North Holden to 709S Vegreville)	Scenario02a_Prim	109.2	95.2	105.5
		Scenario02a_Mahk	109.2	93.6	103.8

	749L (899S Edgerton to 648S Metiskow)	Scenario02a	109.2	90.9	99.1
		Scenario02a_Prim	109.2	99.5	107.0
		Scenario02a_Mahk	109.2	97.9	105.5
	749L (899S Edgerton to 648S Metiskow)	Scenario02a	109.2	90.9	99.1
		Scenario02a_Prim	109.2	99.5	107.0
		Scenario02a_Mahk	109.2	97.9	105.5

Table A-4: 2021 PENV Category B Need Assessment – Voltage Results

Contingency	Bus and Substation	Scenario	Vmax (p.u.)	VMin (p.u.)	Observed Voltage (p.u.)
749L Killarney Tap	Bus 1314 (880S Briker)	Scenario02a	1.123	0.942	0.940
		Scenario02a_Prim	1.123	0.942	0.917
		Scenario02a_Mahk1	1.123	0.942	0.919
		Scenario04	1.123	0.942	0.917
		Scenario04_BR4	1.123	0.942	0.916
		Scenario04_BR5	1.123	0.942	0.914
		Scenario04_SH1	1.123	0.942	0.920
		Scenario05a	1.123	0.942	0.910
		Scenario05a_BR5	1.123	0.942	0.914
		Scenario05a_Prim	1.123	0.942	0.878
		Scenario05a_Mahk1	1.123	0.942	0.875

	Bus 1387 (705S Kitscoty)	Scenario02a_Prim	1.123	0.942	0.941
		Scenario04	1.123	0.942	0.941
		Scenario04_BR4	1.123	0.942	0.941
		Scenario04_BR5	1.123	0.942	0.939
		Scenario05a	1.123	0.942	0.935
		Scenario05a_BR5	1.123	0.942	0.939
		Scenario05a_Prim	1.123	0.942	0.909
		Scenario05a_Mahk1	1.123	0.942	0.906
	Bus 1393 (751S Hill)	Scenario02a_Prim	1.123	0.942	0.928
		Scenario02a_Mahk1	1.123	0.942	0.930
		Scenario04	1.123	0.942	0.931
		Scenario04_BR4	1.123	0.942	0.931
		Scenario04_BR5	1.123	0.942	0.929
		Scenario04_SH1	1.123	0.942	0.935
		Scenario05a	1.123	0.942	0.925
		Scenario05a_BR5	1.123	0.942	0.929
		Scenario05a_Prim	1.123	0.942	0.894
		Scenario05a_Mahk1	1.123	0.942	0.892
	Bus 1455 (716S Lloydminster)	Scenario02a_Prim	1.123	0.942	0.927
		Scenario02a_Mahk1	1.123	0.942	0.929
		Scenario04	1.123	0.942	0.930
		Scenario04_BR4	1.123	0.942	0.929
		Scenario04_BR5	1.123	0.942	0.927
		Scenario04_SH1	1.123	0.942	0.933

		Scenario05a	1.123	0.942	0.923
		Scenario05a_BR5	1.123	0.942	0.927
		Scenario05a_Prim	1.123	0.942	0.892
		Scenario05a_Mahk1	1.123	0.942	0.889
	Bus 362 (899S Edgerton)	Scenario05a_Prim	1.101	0.898	0.867
		Scenario05a_Mahk1	1.101	0.898	0.864

3. Category C5 & C7

Table A-5: 2021 PENV Category C5 Need Assessment – Thermal Results

Overloaded Element	Contingency	Study Scenario	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
174L (Bardo 197S to North Holden 395S)	9L80+9L79 (Cordell 755S to Battle River 757S)	Scenario04_BR4	90	108.1%	98.6
703L (Hardisty 377S to 703L-Tap)	948L+1047L (Hansman Lake 650S to Nilrem 574S/Paintearth 863S)	Scenario05a	83	110.6%	95.1
749L (Metiskow 648S to 749L-Tap)	7L14+7L130 (Kitscoty 705S to Hill 751S/Vermillion 710S)	Scebario02a	121	104.3%	133.1
	9L36+9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	Scebario02a	121	102.4%	130.5
7L50 (Battle River 757S to 7L50-Tap)	9L36+9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	Scebario02a	109	105.6%	116.5

Table A-6: 2021 PENV Category C5 Need Assessment – Voltage Results

Contingency	Bus and Substation	Study Scenario	V max (pu)	V min (pu)	Observed Voltage (pu)
9L36+9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	NA	Scenario02a _Prim	Voltage Collapse		
	NA	Scenario02a_Mahk1	Voltage Collapse		

Table A-7: 2021 PENV Category C7 Need Assessment – Thermal Results

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
704L (Wainwright 51S to Tucuman 478S)	Fault on Line 702L, Breaker S708 at Battle River 757S fails	• 702L (Battle River 757S to 702L-Tap to Hardisty 377S) • 7L50 (Battle River 757S to Jarrow Tap) • 7L701 (Battle River 757S to 7L701-Tap) • Battle River 240/138 kV Transformer • Battle River 138/69 kV Transformer • Battle River Plant #4 Unit	Scenario2a _Prim	75	118.9	92.9
7L130 (Vermillion 710S to Kitscoty 705S)	Fault on Line 749L, Breaker S749E at Metiskow 648S fails	• 749L (Metiskow 648S to Edgerton 899S) • 885L (Metiskow 648S to Hansman Lake 650S) • 472L (Metiskow 648S to 472L-Tap) • Metiskow 648S 240/138 kV transformer	Scenario05a_Mahk1	86	114.3	92.6
7L14 (Kitscoty 705S to Hill 751S)				86	105.5	80.3
7L50 (Buffalo Creek 526S to Jarrow Tap)			Scenario2a _Prim	109	117.3	126.7
749L (Edgerton 899S to 749L-Tap)	Fault on Line 7L50, Breaker S709 at Battle River 757S fails	• 7L50 (Battle River 757S to Jarrow Tap to Buffalo Creek 526S) • 702L (Battle River 757S to 702L-Tap) • 7L701 (Battle River 757S to 7L701-Tap) • Battle River 240/138 kV Transformer • Battle River 138/69 kV Transformer • Battle River Plant #4 Unit	Scenario2a _Prim	88	105.6	95.2
174L (Bardo 197S to North Holden 395S)				85	128.5	109.8
749L (Metiskow 648S to 749L-Tap)				121	124.6	158.5

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA
703L (Hardisty 377S to 703L-Tap)	Fault on Line 954L, Breaker S752 at Hansman Lake 650S fails	• 954L (Hansman Lake 650S to Metiskow 648S) • Hansman Lake 650S 240/138 kV Transformer	Scenario05a_Mahk1	83	126.7	106.3

Table A-8: 2021 PENV Category C7 Need Assessment – Voltage Results

Contingency	Elements Tripped	Bus and Substation	Study Scenario	V max (pu)	V min (pu)	Observed Voltage (pu)
Fault on Line 472L, Breaker S472 at Metiskow 648S fails	• 472L (Metiskow 648S to Hughenden 213S) • 885L (Metiskow 648S to Hansman Lake 650S) • 749L (Metiskow 648S to 749L-Tap) • Metiskow 648S 240/138 kV Transformer	NA	All studied scenarios	Power flow solution not converged		
Fault on Line 885L, Breaker S885 at Metiskow 648S fails	• 472L (Metiskow 648S to 472L-Tap) • 885L (Metiskow 648S to Hansman Lake 650S) • 749L (Metiskow 648S to 749L-Tap) • Metiskow 648S 240/138 kV Transformer	NA	All studied scenarios	Power flow solution not converged		
Fault on Line 954L, Breaker S29 at Metiskow 648S fails	• Metiskow 648S 240/138 kV Transformer • 954L (Metiskow 648S to Hansman Lake 650S) • 472L (Metiskow 648S to 472L-Tap)	NA	All studied scenarios	Power flow solution not converged		

Contingency	Elements Tripped	Bus and Substation	Study Scenario	V max (pu)	V min (pu)	Observed Voltage (pu)
	• 885L (Metiskow 648S to Hansman Lake 650S) • 749L (Metiskow 648S to 749L-Tap)					
Fault on Line 749L, Breaker S749E at Metiskow 648S fails	• 749L (Metiskow 648S to Edgerton 899S) • Metiskow 648S 240/138 kV Transformer • 472L (Metiskow 648S to Hughenden 213S) • 885L (Metiskow 648S to Hansman Lake 650S)	Bus 1383 (710S Vermillion)	Case 5a Mahkeses1 Out	1.123	0.942	0.938
		Bus 1387 (705S Kitscoty)	Case 5a Mahkeses1 Out	1.123	0.942	0.882
		Bus 1393 (751S Hill)	Case 5a Mahkeses1 Out	1.123	0.942	0.863
		Bus 1455 (716S Lloydminster)	Case 5a Mahkeses1 Out	1.123	0.942	0.861
		Bus 1314 (880S Briker)	Case 5a Mahkeses1 Out	1.123	0.942	0.846
		Bus 362 (899S Edgerton)	Case 5a Mahkeses1 Out	1.1	0.9	0.834
Fault on Line 954L, Breaker S752S at Hansman Lake 650S	• 954L (Hansman Lake 650S to Metiskow 648S) • Hansman Lake 650S 240/138 kV Transformer	Bus 1314 (880S Briker)	Case 5a Mahkeses1 Out	1.123	0.942	0.925
		Bus 219 (267S Killarney Lake)	Case 5a Mahkeses1 Out	1.1	0.9	0.885
		Bus 220 (277S Hayter)	Case 5a Mahkeses1 Out	1.1	0.9	0.865

4. Power Flow Plots

Table A-9: Select Contingency Power Flow Plots - Near Term Scenarios

Figure	Scenario	System Status	Contingency
A-1	Scenario 02a Primrose Out	Category A	N/A
A-2	Scenario 02a Primrose Out	Category B	704L
A-3	Scenario 02a Primrose Out	Category B	7L77
A-4	Scenario 02a Primrose Out	Category B	749L
A-5	Scenario 02a Primrose Out	Category B	749L/7L749
A-6	Scenario 02a Primrose Out	Category B	7L50
A-7	Scenario 02a Primrose Out	Category B	7L129
A-8	Scenario 01 Sheerness1 Out	Category B	7L130
A-9	Scenario 04 Battle River 5 Out	Category B	7L130
A-10	Scenario 05a Mahkeses1 out	Category B	749L
A-11	Scenario 02a Primrose Out	Category B	9L960
A-12	Scenario 02a Primrose Out	Category B	7L701/701L
A-13	Scenario 02a Battle River 5 Out	Category B	912L
A-14	Scenario 04 Battle River 4 Out	Category B	9L80
A-15	Scenario 05a Mahkeses1 out	Category B	749L
A-16	Scenario 04 Battle River 4 Out	Category C5	9L80+9L79
A-17	Scenario 05a	Category C5	948L+1047L
A-18	Scenario 02a	Category C5	7L14+7L130
A-19	Scenario 02a Mahkeses1 out	Category C5	9L36+9L37
A-20	Scenario 05 Mahkeses Out	Category C7	749L, Breaker S749E @Metiskow fail

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	0.00 MW
Total	1477.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-716.03 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	0.00 MW

SOK-240: 764.89 MW
+ 0.35 x -26.82 MW

FIG A-1
SCENARIO 2A PRIMROSE OUT - (N-0)
THU, DEC 15 2016 18:18

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	0.00 MW
Total	1477.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-719.41 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	-0.00 MW

SOK-240: 755.85 MW
+ 0.35 x -31.73 MW

FIG A-2
SCENARIO 2A PRIMROSE OUT - 704L (N-1)
THU, DEC 15 2016 18:18

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

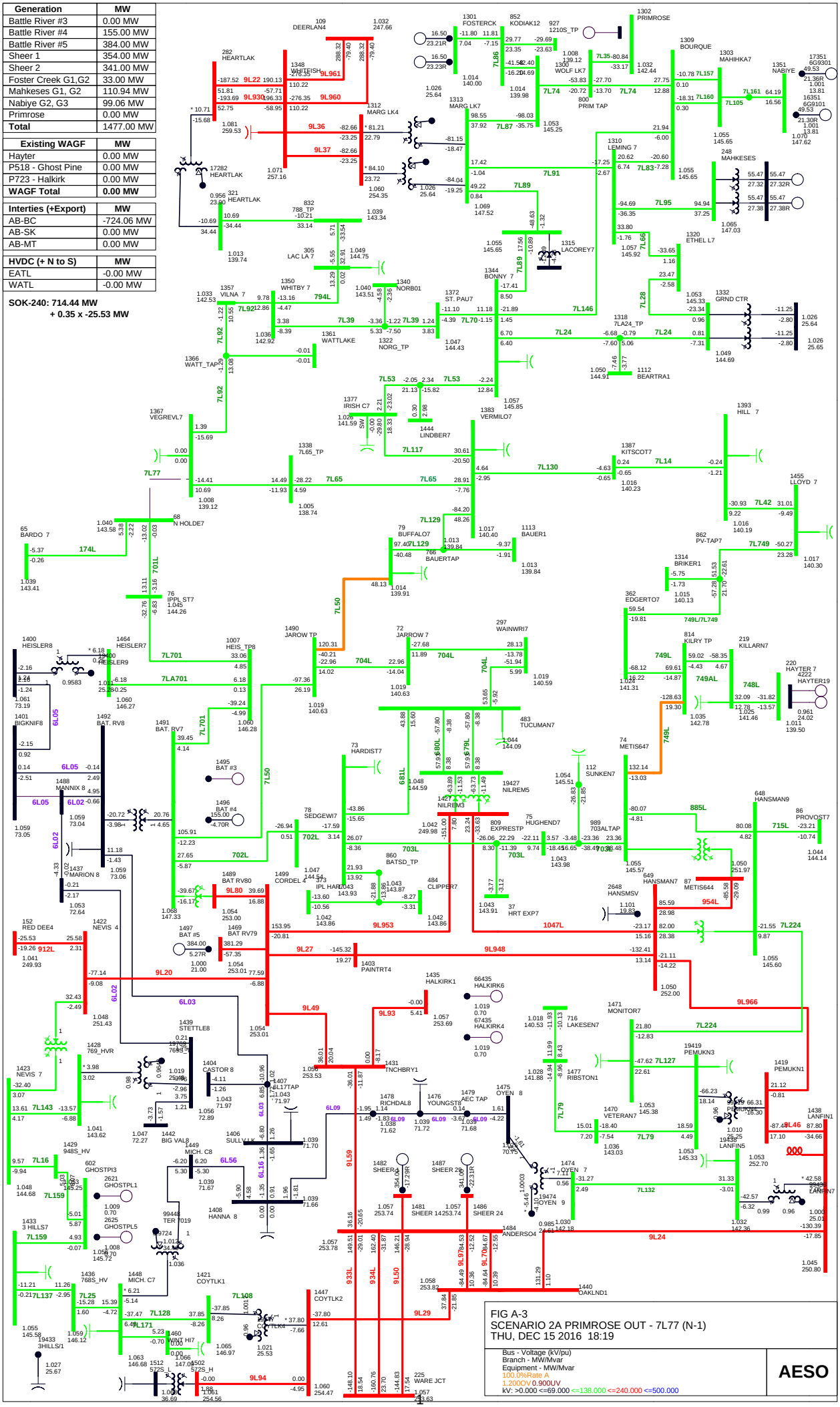
Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	0.00 MW
Total	1477.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-724.06 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	-0.00 MW

SOK-240: 714.44 MW
+ 0.35 x -25.53 MW



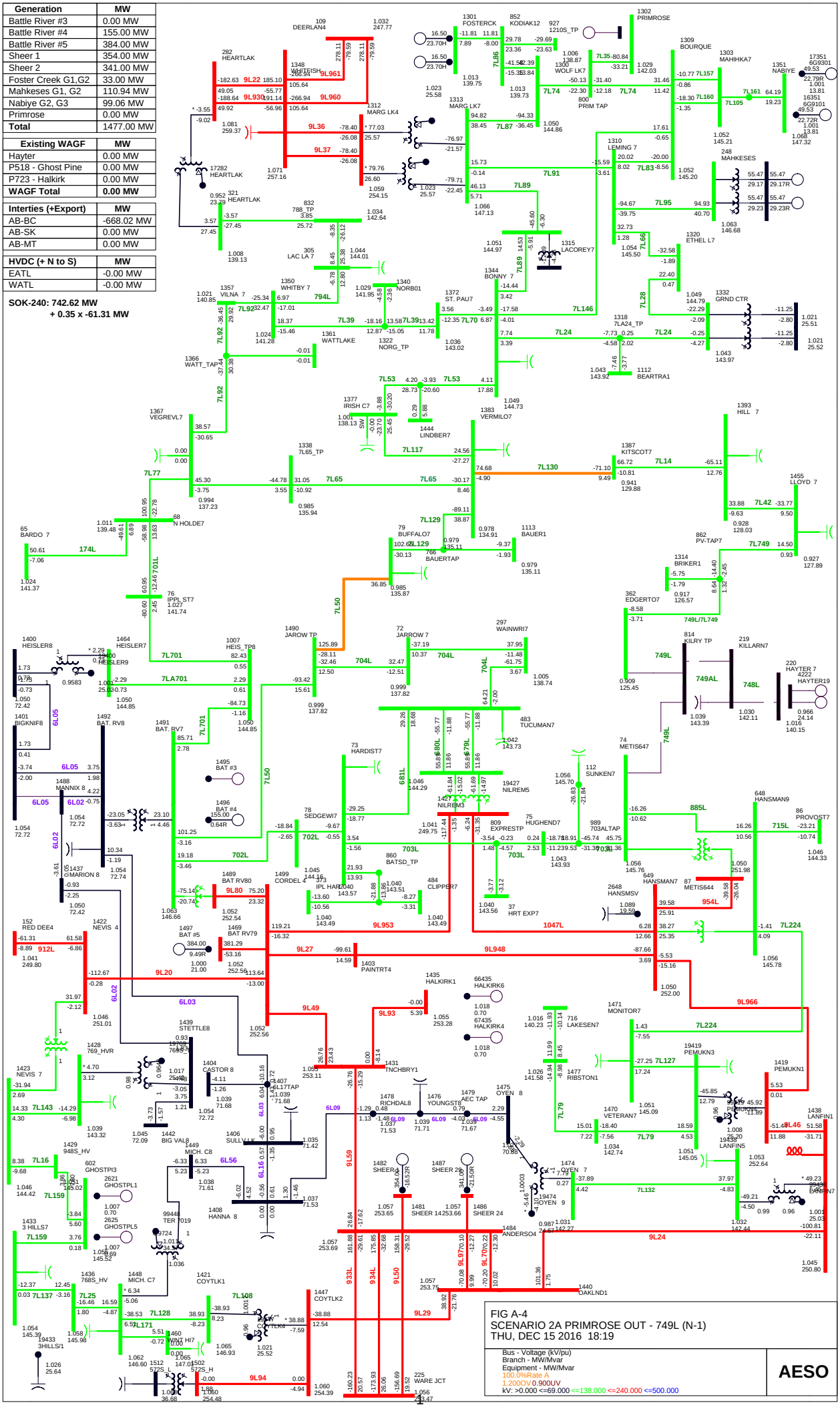
Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	0.00 MW
Total	1477.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-668.02 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	-0.00 MW

SOK-240: 742.62 MW
+ 0.35 x -61.31 MW



Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	0.00 MW
Total	1477.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-716.32 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	-0.00 MW

SOK-240: 748.29 MW
+ 0.35 x -37.47 MW

FIG A-5
SCENARIO 2A PRIMROSE OUT - 749L/7L749 (N-1)
THU, DEC 15 2016 18:19

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	0.00 MW
Total	1477.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-729.52 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	-0.00 MW

SOK-240: 721.95 MW
+ 0.35 x -54.01 MW

FIG A-6
SCENARIO 2A PRIMROSE OUT - 7L50 (N-1)
THU, DEC 15 2016 18:19

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	0.00 MW
Total	1477.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-710.36 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	-0.00 MW

SOK-240: 737.74 MW
+ 0.35 x -50.53 MW

FIG A-2
SCENARIO 2A PRIMROSE OUT - 7L129 (N-1)
THU, DEC 15 2016 18:20

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	97.00 MW
Battle River #5	187.00 MW
Sheer 1	0.00 MW
Sheer 2	343.00 MW
Foster Creek G1,G2	67.00 MW
Mahkeses G1, G2	147.40 MW
Nabiye G2, G3	131.60 MW
Primrose	74.00 MW
Total	1047.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-789.17 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	282.45 MW
WATL	-0.00 MW

SOK-240: 927.38 MW
+ 0.35 x 122.15 MW

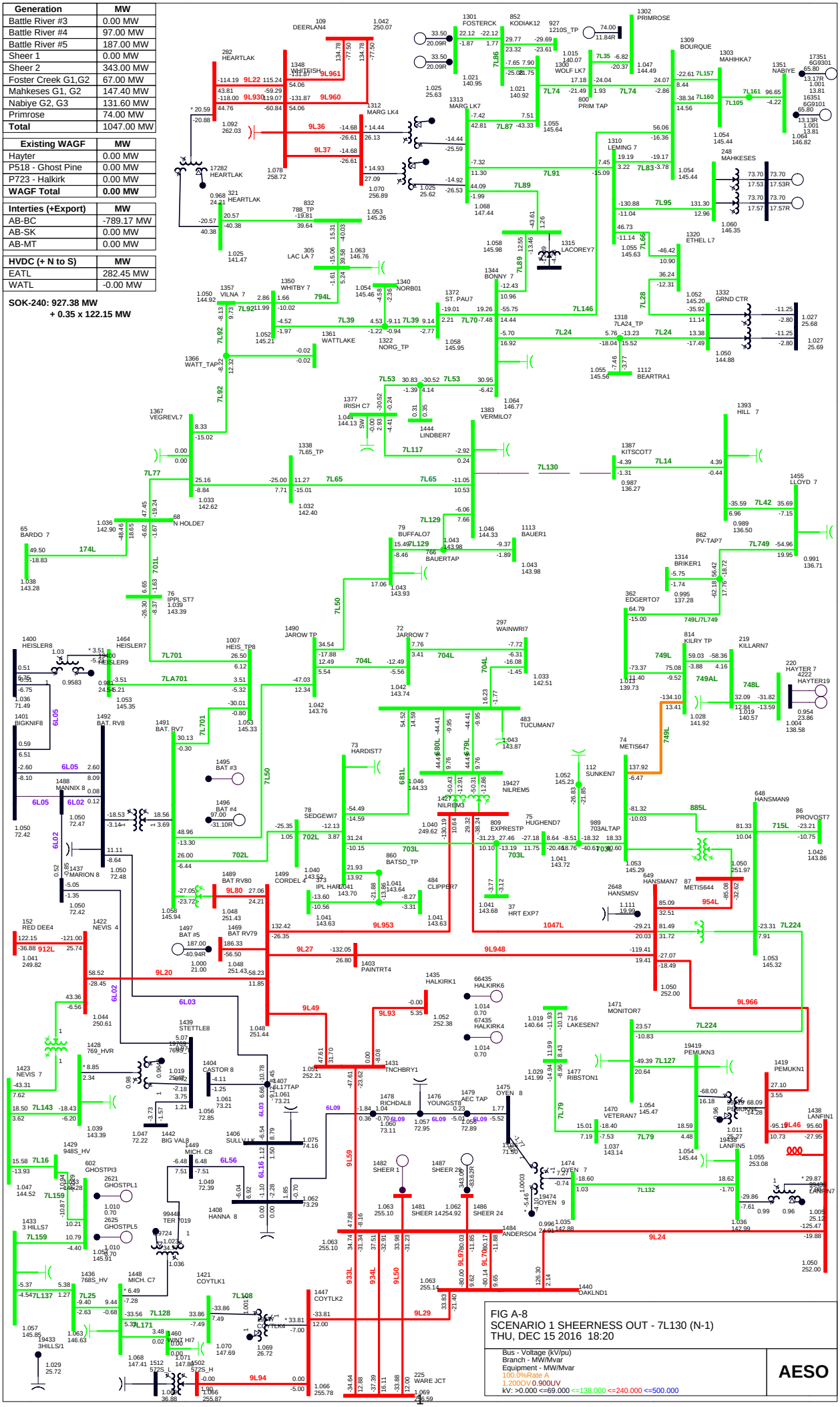


FIG A-8
SCENARIO 1 SHEERNESS OUT - 7L130 (N-1)
THU, DEC 15 2016 18:20

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	72.00 MW
Battle River #5	0.00 MW
Sheer 1	378.00 MW
Sheer 2	375.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW
Total	1357.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-908.76 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	302.52 MW
WATL	-0.00 MW

SOK-240: 907.89 MW
+ 0.35 x 154.36 MW

FIG A-9
SCENARIO 4 BATTLE RIVER 5 OUT - 7L130 (N-1)
THU, DEC 15 2016 18:20

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	385.00 MW
Sheer 1	343.00 MW
Sheer 2	344.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	93.25 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW
Total	1665.75 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-649.84 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	302.52 MW

SOK-240: 717.96 MW
+ 0.35 x -40.87 MW

FIG A-10
SCENARIO 5A MAHKESES OUT - 749L (N-1)
THU, DEC 15 2016 18:20

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

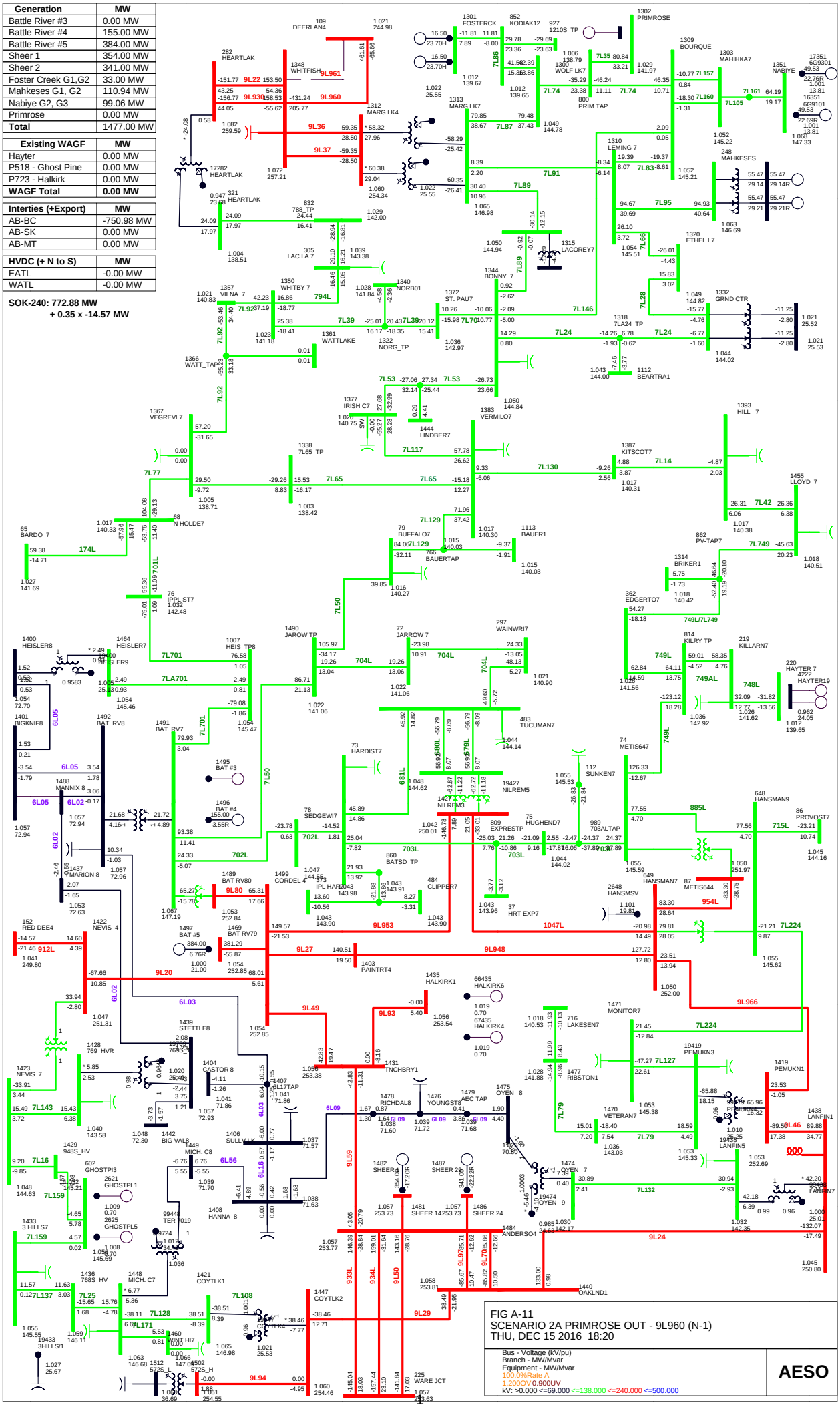
Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	0.00 MW
Total	1477.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-750.98 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	-0.00 MW

SOK-240: 772.88 MW
+ 0.35 x -14.57 MW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HEARTLAK
WHITFISH
9L961
9L22
9L930
9L960
MARG LK4
9L36
9L37
HEARTLAK
HEARTLAK
WHITBY 7
794L
VILNA 7
7L92
WATTLAKE
NORB01
NORG_TP
WATT_TAP
LAC LA 7
788_TP
FOSTERCK
KODIAK12
1210S_TP
PRIMROSE
BOURQUE
MAHIHKA7
NABIYE
MARG LK7
WOLF LK7
PRIM TAP
LEMING 7
MAHKESES
ETHEL L7
LACOREY7
BONNY 7
ST. PAU7
7L146
7L91
7L89
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7L95
7L66
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7L117
7L130
7L14
7L24
7L24_TP
GRND CTR
BEARTRA1
IRISH C7
LINDBER7
VERMILO7
VEGREVL7
KITSCOT7
HILL 7
LLOYD 7
7L42
7L749
7L129
BUFFALO7
BAUERTAP
BAUER1
BARDO 7
174L
N HOLDE7
7L701
IPPL_ST7
PV-TAP7
BRIKER1
EDGERTO7
749L/7L749
KILRY TP
KILLARN7
HAYTER19
749L
749AL
748L
JAROW TP
JARROW 7
WAINWRI7
704L
7L50
HEISLER8
HEISLER7
HEISLER9
7LA701
HEIS_TP8
BIGKNIF8
6L05
6L02
MANNIX 8
MARION 8
BAT. RV8
BAT. RV7
BAT #3
BAT #4
BAT #5
BAT RV80
BAT RV79
9L80
9L20
9L27
9L49
9L948
9L966
9L953
1047L
9L93
9L59
9L33L
9L34L
9L50
9L29
9L94
9L24
HARDIST7
TUCUMAN7
SUNKEN7
METIS647
METIS644
HUGHEND7
EXPRESTP
NILREM5
NILREM3
SEDGEWI7
CORDEL 4
IPL HAR
BATSD_TP
CLIPPER7
HRT EXP7
PAINTRT4
HALKIRK1
HALKIRK6
HALKIRK4
INCHBRY1
RICHDAL8
YOUNGST8
AEC TAP
OYEN 8
OYEN 7
OYEN 9
SHEER 1
SHEER 2
SHEER 14
SHEER 24
ANDERSO4
OAKLND1
COYTLK1
COYTLK2
COYTLK4
WARE JCT
HANSMAN9
PROVOST7
HANSMAN7
HANSMSV
PEMUKN3
PEMUKN1
LANFIN5
LANFIN1
LANFIN7
RIBSTON1
VETERAN7
LAKESEN7
MONITOR7
7L224
7L127
7L79
7L132
7L146
7L715
885L
954L
000
912L
7L16
7L159
7L143
7L137
7L25
7L128
7L171
7L108
6L56
6L16
6L03
6L09
6L79
GHOSTPI3
GHOSTPL1
GHOSTPL5
RED DEE4
NEVIS 4
NEVIS 7
769_HVR
948S_HV
768S_HV
3 HILLS7
3HILLS/1
WINT HI7
MICH. C7
MICH. C8
HANNA 8
SULLVLK
BIG VAL8
STETTLE8
CASTOR 8
6L17TAP
TER 7019
5725_L
5725_H
BARDO 7
1 1.027 141.69
59.38 -14.71
174L
1 1.017 140.33
-57.96 15.47
-53.76 11.40
104.08 -29.13
68 N HOLDE7
1 1.005 138.71
0.00 0.00
29.50 -9.72
7L77
65 BARDO 7
-29.26 8.83
15.53 -16.17
7L65
1 1.003 138.42
7L65_TP
1338
7L117
57.78 -26.62
9.33 -6.06
7L130
-9.26 2.56
1 1.017 140.31
1387 KITSCOT7
4.88 -3.87
7L14
-4.87 2.03
1455 LLOYD 7
-26.31 6.06
7L42 26.36 -6.38
1 1.017 140.38
7L129
79 BUFFALO7
84.06 -32.11
7L129
1 1.015 140.03
-9.37 -1.91
766 BAUERTAP
1 1.015 140.03
1113 BAUER1
1 1.016 140.27
39.85
76 IPPL_ST7
1 1.032 142.48
-75.01 1.09
-55.36 -11.09
7L701
7L50
1490 JAROW TP
105.97 -34.17
-19.26 13.04
704L
19.26 -13.06
1 1.022 141.06
72 JARROW 7
-23.98 10.91
704L
24.33 -13.05
-48.13 5.27
1 1.021 140.90
297 WAINWRI7
149.60 -5.72
704L
1400 HEISLER8
1 1.52 0.52
-0.53 1.054 72.70
1 0.9583
* 2.49 23.00 0.96
1464 HEISLER7
HEISLER9
1 1.005 25.13
-2.49 30.93
7LA701
1 1.054 145.46
1007 HEIS_TP8
76.58 1.05
2.49 0.81
-79.08 -1.86
1 1.054 145.47
-86.71 21.13
1 1.022 141.06
1401 BIGKNIF8
1 1.53 0.21
-3.54 -1.79
6L05
1492 BAT. RV8
3.54 1.78
1488 MANNIX 8
3.06 -0.17
6L05 6L02
1 1.057 72.94
-21.68 -4.16
21.72 4.89
1 1.057 72.94
1491 BAT. RV7
79.93 3.04
7L701
93.38 -11.41
24.33 -5.07
7L702L
7L150
1495 BAT #3
1496 BAT #4 155.00 -3.55R
1497 BAT #5 384.00 6.76R
1 1.000 21.00
1489 BAT RV80
9L80 65.31 17.66
1469 BAT RV79
381.29 -55.87
1 1.054 252.85
68.01 -5.61
1499 CORDEL 4
1 1.047 144.57
IPL HAR
1 1.043 143.98
-13.60 -10.56
1 1.043 143.90
78 SEDGEWI7
-23.78 -0.63
702L 1.81
25.04 -7.82
-45.89 -14.86
681L
73 HARDIST7
1 1.048 144.62
45.92 14.82
-56.79 -8.09
680L
1 1.042 250.01
-146.78 7.89
21.05 -33.01
679L
-56.79 -8.09
483 TUCUMAN7
1 1.044 144.14
-62.87 11.22
-62.72 -11.18
19427 NILREM5
1427 NILREM3
1 1.042 143.91
-13.86 -8.27
21.88
860 BATSD_TP
703L
21.93 13.92
1 1.043 143.91
484 CLIPPER7
-3.77 -3.12
1 1.043 143.96
37 HRT EXP7
809 EXPRESTP
-25.03 21.26
-21.09 9.16
7.76 -10.86
1 1.044 144.02
75 HUGHEND7
2.55 -2.47
-17.81 16.06
703L
989 703ALTAP
-24.37 24.37
-37.89 37.89
1 1.055 145.59
112 SUNKEN7
-26.83 -21.84
1 1.055 145.53
74 METIS647
126.33 -12.67
-77.55 -4.70
885L
954L
83.30 28.64
2648 HANSMSV
1 1.101 19.81
-20.98 14.49
79.81 28.05
1 1.050 252.00
649 HANSMAN7
87 METIS644
-83.30 -28.70
1 1.050 251.97
648 HANSMAN9
77.56 4.70
715L -23.21 -10.74
1 1.045 144.16
86 PROVOST7
-21.21 7L224 9.87
1 1.055 145.62
1047L
9L948
-127.72 12.80
-23.51 -13.94
1 1.050 252.00
9L966
1471 MONITOR7
21.45 -12.84
7L224
7L127
-47.27 22.61
1419 PEMUKN3
-65.88 18.15
1 1.053 145.38
1470 VETERAN7
15.01 -18.40
18.59 7.20
-7.54 4.49
7L79
1 1.036 143.03
1053 145.33
1716 LAKESEN7
1 1.018 140.53
-11.58 -10.13
1 1.028 141.88
-14.94 -8.96
1477 RIBSTON1
11.99 8.43
7L79
1475 OYEN 8
1.90 0.41
1 1.039 71.68
-3.82 -4.40
6L09
1 1.038 71.72
1479 AEC TAP
1476 YOUNGST8
1 1.039 71.72
1478 RICHDAL8
1.30 -1.67
0.87
1 1.038 71.60
-1.64 6L09
6L09
1431 INCHBRY1
1.056 253.38
42.83 -11.31
19.47 0.00
-8.16
9L49
9L93 5.40
-0.00
1 1.056 253.54
1435 HALKIRK1
66435 HALKIRK6
1 1.019 0.70
67435 HALKIRK4
1 1.019 0.70
1054 252.85
1439 STETTLE8
2.08 1.04
1 1.053 252.84
1428 769_HVR
1 1.040 143.58
1423 NEVIS 7
-33.91 3.44
15.49 7L143 -15.43
3.72 -6.38
1 1.048 72.30
1442 BIG VAL8
1404 CASTOR 8
-4.11 -1.26
1 1.041 71.86
1407 6L17TAP
1 1.041 71.86
1406 SULLVLK
1 1.037 71.57
1449 MICH. C8
6.76 -6.76
5.55 -5.55
1 1.039 71.70
1408 HANNA 8
6L56
6L16
1482 SHEER 1
354.00R 17.20R
1487 SHEER 2B
341.00R 22.22R
1481 SHEER 14
1486 SHEER 24
1057 253.73
1484 ANDERSO4
1 1.030 142.17
0.985 24.63
1474 OYEN 7
1 1.003 70.80
-1.00 -5.46
19474 OYEN 9
0.40 -30.89
2.41 7L132
-2.93 30.94
1053 252.69
1 * 42.20 42.20
1438 LANFIN7
-42.18 -6.39
0.99 0.96
1 1.000 25.01
1032 142.35
-132.07 -17.49
1045 250.80
1440 OAKLND1
1058 253.81
-85.67 10.47
-85.82 10.50
133.00 0.98
1057 253.77
146.39 -28.84
159.01 -31.64
143.16 -28.76
9L97 85.71 -12.62
9L70 85.86 -12.66
1 1.036
1421 COYTLK1
1447 COYTLK2
-38.46 12.71
1 1.021 25.53
1065 146.98
1 1.066 147.08
1502 5725_H
-0.00 1.88
1 1.061 254.55
9L94 0.00 -4.95
1 1.060 254.46
1 1.057 253.63
225 WARE JCT
-145.04 18.03
-157.44 23.10
-141.84 17.03
1436 768S_HV
1 1.059 146.11
1433 3 HILLS7
-11.57 11.63
-0.12 7L137 -3.03
7L25 -15.65 15.76
1.68 -4.78
1 1.055 145.55
19433 3HILLS/1
1 1.027 25.67
1448 MICH. C7
* 6.77 -5.36
1 1.063 146.68
1512 5725_L
1 1.063 36.69
1429 948S_HV
9.20 -9.85
7L16
1 1.048 144.63
7L159
1433 3 HILLS7
-11.57 11.63
-0.12 7L137 -3.03
7L25 -15.65 15.76
1.68 -4.78
1 1.055 145.55
19433 3HILLS/1
1 1.027 25.67
602 GHOSTPI3
2621 GHOSTPL1
1 1.009 0.70
2625 GHOSTPL5
1 1.008 0.70
1 1.056 145.69
9944 TER 7019
9724 TER 1
1 1.036
1 1.059 146.11
1460 WINT HI7
0.00 0.00
1 1.063 146.68
1512 5725_L
1 1.063 36.69
1502 5725_H
1 1.061 254.55
1 1.060 254.46
1 1.057 253.63
225 WARE JCT
1 1.021 25.53
1 1.065 146.98
1 1.066 147.08
1 1.036
1421 COYTLK1
1447 COYTLK2
-38.46 12.71
1 1.021 25.53
1 1.

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	0.00 MW
Total	1477.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-723.11 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	0.00 MW
WATL	-0.00 MW

SOK-240: 747.84 MW
+ 0.35 x -56.62 MW

FIG A-12
SCENARIO 2A PRIMROSE OUT - 7L701 \ 701L (N-1)
THU, DEC 15 2016 18:21

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	0.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW
Total	1164.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-1034.09 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	0.00 MW
WATL	-0.00 MW

SOK-240: 779.53 MW
+ 0.35 x 0.00 MW

FIG A-13
SCENARIO 2A BATTLE RIVER 5 OUT - 912L (N-1)
THU, DEC 15 2016 18:21

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	0.00 MW
Battle River #5	281.00 MW
Sheer 1	378.00 MW
Sheer 2	375.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW
Total	1566.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-692.29 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	0.00 MW
WATL	282.45 MW

SOK-240: 899.21 MW
+ 0.35 x 68.17 MW

FIG A-14
SCENARIO 4 BATTLE RIVER 4 OUT - 9L80 (N-1)
THU, DEC 15 2016 18:21

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	385.00 MW
Sheer 1	343.00 MW
Sheer 2	344.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	93.25 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW
Total	1665.75 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-649.84 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	302.52 MW

SOK-240: 717.96 MW
+ 0.35 x -40.87 MW

FIG A-15
SCENARIO 5A MAHKESES OUT - 749L (N-1)
THU, DEC 15 2016 18:21

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	0.00 MW
Battle River #5	0.00 MW
Sheer 1	378.00 MW
Sheer 2	375.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW
Total	1285.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-994.63 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	0.00 MW
WATL	282.45 MW

SOK-240: 883.43 MW
+ 0.35 x 203.42 MW

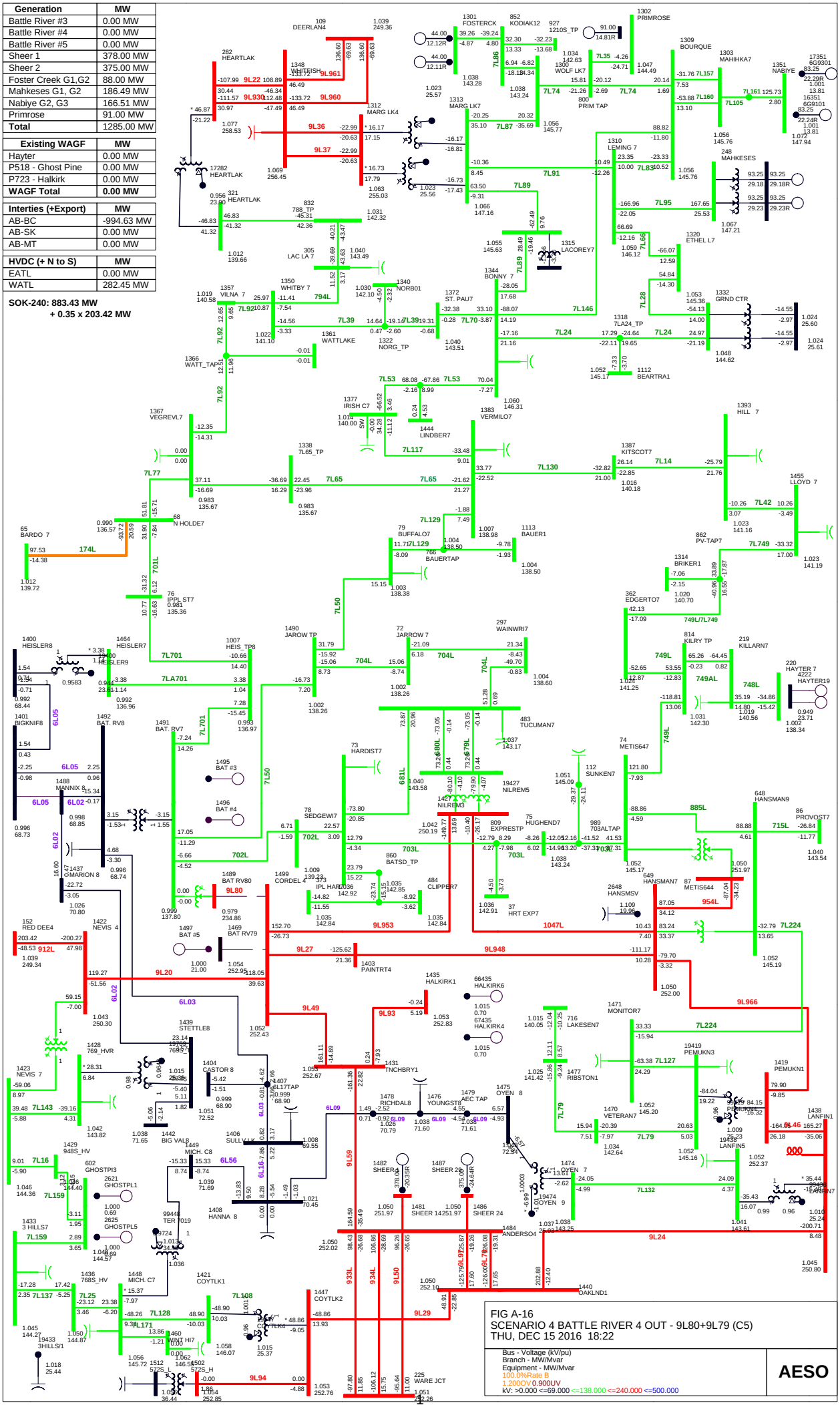

FIG A-16
SCENARIO 4 BATTLE RIVER 4 OUT - 9L80+9L79 (C5)
THU, DEC 15 2016 18:22

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	385.00 MW
Sheer 1	343.00 MW
Sheer 2	344.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW
Total	1759.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-599.33 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	0.00 MW
WATL	302.52 MW

SOK-240: 808.23 MW
+ 0.35 x -40.04 MW

FIG A-17
SCENARIO 5A - 948L+1047L (C5)
THU, DEC 15 2016 18:22

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW
Total	1548.00 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-626.76 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	0.00 MW
WATL	0.00 MW

SOK-240: 834.45 MW
+ 0.35 x -26.53 MW

FIG A-18
SCENARIO 2A - 7L14+7L130 (C5)
THU, DEC 15 2016 18:22

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	55.47 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW
Total	1492.53 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-784.68 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	0.00 MW

SOK-240: 831.33 MW
+ 0.35 x 21.30 MW

FIG A-19
SCENARIO 2A MAHKESES OUT- 9L36+9L37 (C5)
THU, DEC 15 2016 18:22

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	385.00 MW
Sheer 1	343.00 MW
Sheer 2	344.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	93.25 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW
Total	1665.75 MW

Existing WAGF	MW
Hayter	0.00 MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-641.24 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	0.00 MW
WATL	302.52 MW

SOK-240: 715.32 MW
+ 0.35 x -44.86 MW

FIG A-20
SCENARIO 5A MAHKESES OUT - 749L/METISKOW C7
THU, DEC 15 2016 18:23

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

PENV – APPENDIX B

Alternative Analysis Results

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1. Alternative 1 - Near Term – Category B

Table B-1-1: 2021 PENV Category A Alternative 1 (138kV) – Thermal Results

- No thermal violations observed.

Table B-1-2: 2021 PENV Category A Alternative 1 (138kV) – Voltage Results

- No voltage violations observed.

Table B-1-3: 2021 PENV Category B Alternative 1 (138kV) – Thermal Results

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
174L (197S Bardo to 395S North Holden)	912L (63S Red Deer to 766S Nevis)	Scenario01_BR5	85.1	94.6	83.4
		Scenario02a_BR5	85.1	103.2	90.8
		Scenario04_BR5	90.1	94.8	88.0
		Scenario05a_BR5	90.1	95.5	88.6
	7L701 Heisler Tap (223S Strome to 757S Battle River)	Scenario02a_BR5	85.1	93.4	81.3

Table B-1-4: 2021 PENV Category B Alternative 1 (138kV) – Voltage Results

- No voltage violations observed.

2. Alternative 2 - Near Term – Category B

Table B-2-1: 2021 PENV Category A Alternative 2 (240kV at 138kV) – Thermal Results

- No thermal violations observed.

Table B-2-2: 2021 PENV Category A Alternative 1 (240kV at 138kV) – Voltage Results

- No voltage violations observed.

Table B-2-3: 2021 PENV Category B Alternative 2 (240kV at 138kV) – Thermal Results

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
174L (197S Bardo to 395S North Holden	9L20 (755S Cordel to 766S Nevis)	Scenario02a_BR5	85.1	90.5	80.0
	912L (63S Red Deer to 766S Nevis)	Scenario01_BR5	85.1	95.4	84.2
		Scenario02a_BR5	85.1	104.1	91.8
		Scenario04_BR5	90.1	95.3	88.6
		Scenario05a_BR5	90.1	96.0	89.2
	7L701 Heisler Tap (223S Strome to 757S Battle River)	Scenario02a_BR5	85.1	94.0	82.1

Table B-2-4: 2021 PENV Category B Alternative 1 (240kV at 138kV) – Voltage Results

- No voltage violations observed.

3. Alternative 2 Sensitivity @ 240 kV - Near Term – Category B

Table B-3-1: 2021 PENV Category A Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results

- No thermal violations observed.

Table B-3-2: 2021 PENV Category A Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results

- No voltage violations observed.

Table B-3-3: 2021 PENV Category B Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
7L205 (Drury to Vermillion	7L50 Jarrow Tap (526S Buffalo Creek to 757S Battle River)	Scenario02a_Mahk	109.0	106.4	96.0
		Scenario02a_Prim	109.0	104.3	94.4
174L (197S Bardo to 395S North Holden)	912L (63S Red Deer to 766S Nevis)	Scenario01_BR5	85.1	81.6	93.3
		Scenario02a_BR5	85.1	88.7	101.6
		Scenario04_BR5	90.1	84.9	92.8
		Scenario05a_BR5	90.1	85.5	93.4

Table B-3-4: 2021 PENV Category B Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results

- No thermal violations observed.

4. Alternative 1 - Long Term – Category B

Table B-4-1: 2037 PENV Category A Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results

Overloaded Element	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA

174L (197S Bardo to 395S North Holden)	Scenario07a_BR	85.1	97.6	84.4
	Scenario09_BR	90.1	96.4	87.9
	Scenario09_SH	90.1	91.1	82.7

Table B-4-2: 2037 PENV Category A Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results

- No voltage violations observed.

Table B-4-3: 2037 PENV Category B Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
7L130 (705S Kitscoty to 710S Vermillion)	7L749 (716S Lloydminster to 889S Edgerton)	Scenario06	71.9	92.8	78.9
		Scenario06_BR	71.9	92.8	78.6
		Scenario06_SH	71.9	92.8	78.8
		Scenario07a	71.9	92.7	78.4
		Scenario07a_Prim	71.9	92.5	78.0
		Scenario07a_Mahk	71.9	92.5	78.0
		Scenario07a_BR	71.9	92.5	77.9
Nevis XFMR	EATL	Scenario09_SH	100.0	91.3	91.3
	9L20 (755S Cordel to 766S Nevis)	Scenario09_BR	100.0	92.8	92.8

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario09_SH	100.0	96.0	99.0
		Scenario10a_BR	100.0	94.1	94.1
7L749 Edgerton to Briker Tap	7L130 (705S Kitscoty to 710S Vermillion)	Scenario06	88.0	90.8	83.6
		Scenario06_BR	88.0	90.8	83.6
		Scenario06_SH	88.0	90.8	83.6
		Scenario07a	88.0	90.9	84.2
		Scenario07a_Prim	88.0	90.9	84.2
		Scenario07a_Mahk	88.0	90.9	84.2
		Scenario07a_BR	88.0	90.8	84.1
		Scenario09	96.0	96.9	94.3
		Scenario09_BR	96.0	97.0	94.3
		Scenario09_SH	96.0	96.9	94.3
		Scenario10a	96.0	96.6	94.3
		Scenario10a_Prim	96.0	96.6	94.3
		Scenario10a_Mahk	96.0	96.6	94.3

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario10a_BR	96.0	96.8	94.3
174L (197S Bardo to Saunders Lake)	EATL	Scenario06_BR	85.1	101.7	89.2
		Scenario06_SH	85.1	102.4	89.8
		Scenario07a_BR	85.1	99.6	87.5
		Scenario09	90.1	95.4	88.7
		Scenario09_BR	90.1	108.3	101.2
		Scenario09_SH	90.1	111.1	102.6
		Scenario10a_BR	90.1	99.0	91.7
	9L960 (13S Deerland to 825S Whitefish Lake)	Scenario07a_BR	85.1	95.7	84.2
		Scenario09_BR	90.1	93.1	87.6
	9L961 (13S Deerland to 825S Whitefish Lake)	Scenario07a_BR	85.1	95.7	84.2
		Scenario09_BR	90.1	93.1	87.6
	9L46 (932S Pemukan to 959S Lanfine)	Scenario07a_BR	85.1	93.7	82.5
		Scenario09_BR	90.1	96.3	90.6
		Scenario10a_BR	90.1	90.7	84.4

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
	9L20 (766S Nevis to 755S Cordell)	Scenario06_BR	85.1	96.2	84.9
		Scenario07a_BR	85.1	103.4	91.1
		Scenario09_BR	90.1	103.3	97.3
		Scenario09_SH	90.1	96.7	90.3
		Scenario10a_BR	90.1	98.3	91.6
	9L59 (972S Tinchebray to 801S Anderson)	Scenario07a_BR	85.1	92.4	81.4
		Scenario09_BR	90.1	94.9	89.3
	9L16 (972S Tinchebray to 755S Cordel)	Scenario07a_BR	85.1	92.4	81.4
		Scenario09_BR	90.1	94.9	89.2
	9L24 (946S Oakland to 959S Lanfine)	Scenario07a_BR	85.1	91.6	80.7
		Scenario09_BR	90.1	93.7	88.2
	9L79 (757S Battle River to 755S Cordel)	Scenario09_SH	90.1	94.6	87.9
	757S Battle River 240/138kv XFMR	Scenario06_BR	85.1	91.5	80.6
		Scenario07a_BR	85.1	97.0	85.4
		Scenario09	90.1	92.6	86.3

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario09_SH	90.1	97.8	91.0
		Scenario10a_BR	90.1	93.3	86.8
	9L80 (757S Battle River to 755S Cordel)	Scenario06_BR	85.1	91.5	80.6
		Scenario07a_BR	85.1	97.0	85.4
		Scenario09	90.1	92.6	86.3
		Scenario09_SH	90.1	97.8	91.0
		Scenario10a_BR	90.1	93.3	86.8
	912L (63S Red Deer to 766S Nevis)	Scenario06_BR	85.1	107.3	94.6
		Scenario06_SH	85.1	99.6	87.9
		Scenario07a_BR	85.1	115.1	101.3
		Scenario09	90.1	94.9	88.7
		Scenario09_BR	90.1	115.7	108.8
		Scenario09_SH	90.1	109.6	102.1
		Scenario10a_BR	90.1	111.1	103.3
	WATL	Scenario07a_BR	85.1	94.3	82.8

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario09_BR	90.1	94.8	89.0
		Scenario09_SH	90.1	90.1	83.9
		Scenario10a_BR	90.1	92.1	85.4
	7L53 (706S Irish Creek to 700S Bonnyville)	Scenario09_BR	90.1	93.2	87.7
		Scenario10a_BR	90.1	90.3	84.0
174L (197S Bardo to 395S North Holden)	EATL	Scenario06	85.1	97.4	84.1
		Scenario06_BR	85.1	120.4	103.1
		Scenario06_SH	85.1	121.2	103.7
		Scenario07a_Prim	85.1	91.5	79.1
		Scenario07a_Mahk	85.1	90.4	78.1
		Scenario07a_BR	85.1	118.7	101.8
		Scenario09	90.1	107.7	96.8
		Scenario09_BR	90.1	128.9	115.5
		Scenario09_SH	90.1	132.9	117.7
		Scenario10a_BR	90.1	113.7	101.3

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
	9L960 (13S Deerland to 825S Whitefish Lake)	Scenario06_BR	85.1	100.2	86.7
		Scenario06_SH	85.1	93.9	81.3
		Scenario07a_BR	85.1	114.1	98.0
		Scenario09	90.1	90.2	81.8
		Scenario09_BR	90.1	106.9	97.2
		Scenario09_SH	90.1	101.5	91.8
		Scenario10a_BR	90.1	96.3	86.8
	9L961 (13S Deerland to 825S Whitefish Lake)	Scenario06_BR	85.1	100.2	86.7
		Scenario06_SH	85.1	93.9	81.3
		Scenario07a_BR	85.1	114.1	98.0
		Scenario09	90.1	90.2	81.8
		Scenario09_BR	90.1	106.9	97.2
		Scenario09_SH	90.1	101.5	91.8
		Scenario10a_BR	90.1	96.3	86.8
	7L70 (700S Bonnyville to 707S St Paul)	Scenario10a_BR	90.1	95.2	85.6

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
	9L46 (932S Pemukan to 959S Lanfine)	Scenario06_BR	85.1	102.2	88.2
		Scenario06_SH	85.1	90.8	78.7
		Scenario07a_BR	85.1	111.0	95.4
		Scenario09	90.1	92.3	83.6
		Scenario09_BR	90.1	112.4	101.6
		Scenario09_SH	90.1	101.4	91.6
		Scenario10a_BR	90.1	102.6	91.9
	9L20 (766S Nevis to 755S Cordell)	Scenario06_BR	85.1	115.1	99.3
		Scenario06_SH	85.1	102.2	88.4
		Scenario07a_BR	85.1	127.9	109.7
		Scenario09	90.1	93.2	84.6
		Scenario09_BR	90.1	124.7	112.7
		Scenario09_SH	90.1	113.8	102.6
		Scenario10a_BR	90.1	116.1	103.9
	9L59 (972S Tinchebray to 801S Anderson)	Scenario06_BR	85.1	100.5	86.8

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario07a_BR	85.1	108.8	93.7
		Scenario09_BR	90.1	109.9	99.6
		Scenario10a_BR	90.1	100.0	89.8
	9L16 (972S Tinchebray to 755S Cordel)	Scenario06_BR	85.1	100.3	86.6
		Scenario07a_BR	85.1	108.7	93.6
		Scenario09_BR	90.1	109.8	99.5
		Scenario10a_BR	90.1	99.9	89.7
	9L24 (946S Oakland to 959S Lanfine)	Scenario06_BR	85.1	98.7	85.4
		Scenario07a_BR	85.1	107.5	92.6
		Scenario09_BR	90.1	108.0	97.9
		Scenario09_SH	90.1	98.3	89.0
		Scenario10a_BR	90.1	98.8	88.7
	9L79 (757S Battle River to 755S Cordel)	Scenario06_SH	85.1	102.0	88.1
		Scenario07a	85.1	97.6	84.4
		Scenario07a_Prim	85.1	103.0	88.8

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario07a_Mahk	85.1	101.8	87.9
		Scenario09	90.1	97.1	87.8
		Scenario09_SH	90.1	109.5	98.2
		Scenario10a_Prim	90.1	93.7	84.6
		Scenario10a_Mahk	90.1	94.0	84.7
	757S Battle River 240/138kv XFMR	Scenario06	85.1	93.3	80.2
		Scenario06_BR	85.1	106.1	90.8
		Scenario06_SH	85.1	103.3	88.6
		Scenario07a	85.1	93.1	79.8
		Scenario07a_Prim	85.1	99.3	84.9
		Scenario07a_Mahk	85.1	98.1	83.9
		Scenario07a_BR	85.1	116.0	98.9
		Scenario09	90.1	105.2	93.6
		Scenario09_BR	90.1	117.0	104.3
		Scenario09_SH	90.1	114.3	101.3

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario10a_Mahk	90.1	90.6	80.9
		Scenario10a_BR	90.1	106.5	94.4
	9L80 (757S Battle River to 755S Cordel)	Scenario06	85.1	93.3	80.2
		Scenario06_BR	85.1	106.1	90.8
		Scenario06_SH	85.1	103.3	88.6
		Scenario07a	85.1	93.1	79.8
		Scenario07a_Prim	85.1	99.3	84.9
		Scenario07a_Mahk	85.1	98.1	83.9
		Scenario07a_BR	85.1	116.0	98.9
		Scenario09	90.1	105.2	93.6
		Scenario09_BR	90.1	117.0	104.3
		Scenario09_SH	90.1	114.3	101.3
		Scenario10a_Mahk	90.1	90.6	80.9
		Scenario10a_BR	90.1	106.5	94.4
	912L (63S Red Deer to 766S Nevis)	Scenario06	85.1	95.9	83.1

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario06_BR	85.1	134.1	114.9
		Scenario06_SH	85.1	121.6	104.8
		Scenario07a_BR	85.1	147.9	126.1
		Scenario09	90.1	110.6	99.9
		Scenario09_BR	90.1	145.9	130.7
		Scenario09_SH	90.1	135.8	121.5
		Scenario10a_BR	90.1	137.8	122.3
	WATL	Scenario06_BR	85.1	100.1	86.4
		Scenario06_SH	85.1	92.4	80.0
		Scenario07a_BR	85.1	109.7	94.4
		Scenario09	90.1	94.4	85.2
		Scenario09_BR	90.1	107.7	97.6
		Scenario09_SH	90.1	100.4	90.7
		Scenario10a_BR	90.1	102.2	91.5
	New Killarney Tap	Scenario09_BR	90.1	90.1	82.4

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
	701L/7L701 (764S Heisler Tap)	Scenario07a_Prim	85.1	91.7	78.1
		Scenario07a_Mahk	85.1	90.5	77.1
		Scenario09	90.1	92.1	81.7
	7L53 (706S Irish Creek to 700S Bonnyville)	Scenario06_BR	85.1	96.2	83.2
		Scenario09_BR	90.1	106.4	96.3
		Scenario09_SH	90.1	100.5	90.6
		Scenario10a_BR	90.1	101.1	90.4

Table B-4-4: 2037 PENV Category B Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results

- No voltage violations observed.

5. Alternative 2 - Long Term – Category B

Table B-5-1: 2037 PENV Category A Alternative 2 (240kV at 138kV) – Thermal Results

Overloaded Element	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
174L (197S Bardo to 395S North Holden)	Scenario07a_BR	85.1	99.1	85.6
	Scenario09_BR	90.1	99.2	90.3

	Scenario09_SH	90.1	99.9	91.0
	Scenario10a_BR	90.1	90.0	81.9

Table B-5-2: 2037 PENV Category A Alternative 2 (240kV at 138kV) – Voltage Results

- No voltage violations observed.

Table B-5-3: 2037 PENV Category B Alternative 2 (240kV at 138kV) – Thermal Results

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
7L130 (705S Kitscoty to 710S Vermillion)	7L749 (716S Lloydminster to 889S Edgerton)	Scenario06	71.9	90.5	67.5
		Scenario06_BR	71.9	91.0	67.5
		Scenario06_SH	71.9	90.7	67.5
		Scenario07a	71.9	91.5	67.4
		Scenario07a_BR	71.9	92.2	67.4
		Scenario07a_Prim	71.9	91.9	67.4
		Scenario07a_Mahk	71.9	91.8	67.4
		Scenario09	86.3	96.2	87.1
		Scenario09_BR	86.3	96.4	86.5
		Scenario09_SH	86.3	96.3	86.7
		Scenario10a	86.3	96.1	87.4

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario10a_BR	86.3	96.5	86.5
		Scenario10a_Prim	86.3	96.1	87.3
		Scenario10a_Mahk	86.3	96.1	87.4
766S Nevis XFMR	EATL	Scenario09_SH	100.0	90.2	90.2
	9L20 (755S Cordel to 766S Nevis)	Scenario06_SH	100.0	95.6	95.6
		Scenario09_BR	100.0	96.3	96.3
		Scenario09_SH	100.0	96.4	96.4
		Scenario10a_BR	100.0	95.6	95.6
7L749 (889S Edgerton to 880S Briker Tap)	7L130 (705S Kitscoty to 710S Vermillion)	Scenario09	96.0	94.3	95.3
		Scenario09_BR	96.0	94.3	95.2
		Scenario09_SH	96.0	94.3	95.2
		Scenario10a	96.0	94.3	95.3
		Scenario10a_BR	96.0	94.3	95.2
		Scenario10a_Prim	96.0	94.3	95.3
		Scenario10a_Mahk	96.0	94.3	95.3

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
174L (197S Bardo to Saunders Lake)	EATL	Scenario06_BR	85.1	99.2	87.2
		Scenario06_SH	85.1	98.8	86.9
		Scenario07a_BR	85.1	100.3	88.0
		Scenario09	90.1	96.5	89.7
		Scenario09_BR	90.1	106.9	99.3
		Scenario09_SH	90.1	108.3	100.4
		Scenario10a_BR	90.1	99.3	92.1
	9L960 (13S Deerland to 825S Whitefish Lake)	Scenario07a_BR	85.1	96.8	85.1
		Scenario09_BR	90.1	94.7	88.4
		Scenario09_SH	90.1	95.0	88.7
	9L961 (13S Deerland to 825S Whitefish Lake)	Scenario07a_BR	85.1	96.8	85.1
		Scenario09_BR	90.1	94.7	88.4
		Scenario09_SH	90.1	95.0	88.7
	9L46 (932S Pemukan to 959S Lanfine)	Scenario07a_BR	85.1	94.6	83.3
		Scenario09_BR	90.1	97.5	91.0

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario09_SH	90.1	94.0	87.9
		Scenario10a_BR	90.1	91.5	85.3
	9L20 (766S Nevis to 755S Cordell)	Scenario06_BR	85.1	97.4	86.0
		Scenario06_SH	85.1	94.0	83.0
		Scenario07a_BR	85.1	104.7	92.2
		Scenario09_BR	90.1	105.7	98.7
		Scenario09_SH	90.1	104.6	97.7
		Scenario10a_BR	90.1	99.7	93.0
	9L59 (972S Tinchebray to 801S Anderson)	Scenario07a_BR	85.1	93.3	82.1
		Scenario09_BR	90.1	96.0	89.6
		Scenario10a_BR	90.1	90.1	84.0
	9L16 (972S Tinchebray to 755S Cordel)	Scenario07a_BR	85.1	93.3	82.1
		Scenario09_BR	90.1	95.9	89.5
		Scenario10a_BR	90.1	90.1	84.0
	9L24 (946S Oakland to 959S Lanfine)	Scenario07a_BR	85.1	92.7	81.6

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario09_BR	90.1	95.1	88.8
	9L79 (757S Battle River to 755S Cordel)	Scenario06_SH	85.1	92.2	81.3
		Scenario09_SH	90.1	100.0	93.0
	757S Battle River 240/138kv XFMR	Scenario06_BR	85.1	91.9	81.1
		Scenario06_SH	85.1	92.6	81.7
		Scenario07a_BR	85.1	97.8	86.0
		Scenario09	90.1	93.0	86.9
		Scenario09_BR	90.1	100.3	93.6
		Scenario09_SH	90.1	101.8	94.9
		Scenario10a_BR	90.1	94.0	87.6
	9L80 (757S Battle River to 755S Cordel)	Scenario06_BR	85.1	91.9	81.1
		Scenario06_SH	85.1	92.6	81.7
		Scenario07a_BR	85.1	97.8	86.0
		Scenario09	90.1	93.0	86.9
		Scenario09_BR	90.1	100.3	93.6

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario09_SH	90.1	101.8	94.9
		Scenario10a_BR	90.1	94.0	87.6
	912L (63S Red Deer to 766S Nevis)	Scenario06_BR	85.1	108.7	95.9
		Scenario06_SH	85.1	106.3	93.8
		Scenario07a_BR	85.1	116.6	102.6
		Scenario09	90.1	96.1	89.9
		Scenario09_BR	90.1	118.4	110.4
		Scenario09_SH	90.1	118.8	110.8
		Scenario10a_BR	90.1	112.6	104.8
	WATL	Scenario06_BR	85.1	91.2	80.3
		Scenario06_SH	85.1	90.4	79.6
		Scenario07a_BR	85.1	94.6	83.0
		Scenario09_BR	90.1	98.1	91.2
		Scenario09_SH	90.1	98.7	91.7
		Scenario10a_BR	90.1	93.3	86.6

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
	7L53 (706S Irish Creek to 700S Bonnyville)	Scenario09_BR	90.1	94.8	88.6
		Scenario09_SH	90.1	95.2	88.9
		Scenario10a_BR	90.1	91.4	85.2
174L (197S Bardo to 395S North Holden)	EATL	Scenario06	85.1	97.5	84.2
		Scenario06_BR	85.1	116.6	100.1
		Scenario06_SH	85.1	116.2	99.8
		Scenario07a_BR	85.1	119.6	102.4
		Scenario07a_Prim	85.1	90.1	77.9
		Scenario09	90.1	109.9	99.3
		Scenario09_BR	90.1	127.3	114.0
		Scenario09_SH	90.1	129.6	116.0
		Scenario10a_BR	90.1	115.0	103.1
	7L205 (2007S Drury to 710S Vermillion)	Scenario09_BR	90.1	92.2	84.0
		Scenario09_SH	90.1	92.8	84.7
	9L960 (13S Deerland to 825S Whitefish Lake)	Scenario06_BR	85.1	101.3	87.7

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario06_SH	85.1	100.0	86.7
		Scenario07a_BR	85.1	115.7	99.3
		Scenario09	90.1	92.5	84.4
		Scenario09_BR	90.1	109.9	99.6
		Scenario09_SH	90.1	110.6	100.4
		Scenario10a_BR	90.1	98.9	89.8
	9L961 (13S Deerland to 825S Whitefish Lake)	Scenario06_BR	85.1	101.3	87.7
		Scenario06_SH	85.1	100.0	86.7
		Scenario07a_BR	85.1	115.7	99.3
		Scenario09	90.1	92.5	84.4
		Scenario09_BR	90.1	109.9	99.6
		Scenario09_SH	90.1	110.6	100.4
		Scenario10a_BR	90.1	98.9	89.8
	7L70 (700S Bonnyville to 707S St Paul)	Scenario10a_BR	90.1	97.4	88.2
	7L92 (777S to 709S Vegreville)	Scenario07a_BR	85.1	90.2	77.8

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
	9L46 (932S Pemukan to 959S Lanfine)	Scenario06_BR	85.1	102.7	88.7
		Scenario06_SH	85.1	95.7	83.0
		Scenario07a_BR	85.1	112.3	96.5
		Scenario09	90.1	94.3	85.9
		Scenario09_BR	90.1	114.5	103.2
		Scenario09_SH	90.1	109.0	98.9
		Scenario10a_BR	90.1	104.5	94.3
	9L20 (766S Nevis to 755S Cordell)	Scenario06_BR	85.1	117.1	101.0
		Scenario06_SH	85.1	111.5	96.5
		Scenario07a_BR	85.1	129.8	111.3
		Scenario09	90.1	95.6	87.1
		Scenario09_BR	90.1	128.9	116.1
		Scenario09_SH	90.1	127.2	114.8
		Scenario10a_BR	90.1	119.0	107.2
	9L59 (972S Tinchebray to 801S Anderson)	Scenario06_BR	85.1	100.9	87.1

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario07a_BR	85.1	110.0	94.7
		Scenario09	90.1	90.8	82.9
		Scenario09_BR	90.1	112.0	101.3
		Scenario10a_BR	90.1	102.2	92.4
	9L16 (972S Tinchebray to 755S Cordel)	Scenario06_BR	85.1	100.7	87.0
		Scenario07a_BR	85.1	109.9	94.5
		Scenario09	90.1	90.7	82.8
		Scenario09_BR	90.1	111.9	101.2
		Scenario10a_BR	90.1	102.1	92.3
	9L24 (946S Oakland to 959S Lanfine)	Scenario06_BR	85.1	99.4	86.0
		Scenario07a_BR	85.1	109.0	93.8
		Scenario09	90.1	91.6	83.5
		Scenario09_BR	90.1	110.5	99.9
		Scenario09_SH	90.1	106.6	96.9
		Scenario10a_BR	90.1	100.9	91.2

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
	9L79 (757S Battle River to 755S Cordel)	Scenario06_SH	85.1	108.1	93.3
		Scenario07a	85.1	99.1	85.6
		Scenario07a_Prim	85.1	102.3	88.2
		Scenario07a_Mahk	85.1	101.8	87.9
		Scenario09	90.1	99.2	90.3
		Scenario09_SH	90.1	118.7	106.8
		Scenario10a	90.1	90.0	81.9
		Scenario10a_Prim	90.1	93.6	85.0
		Scenario10a_Mahk	90.1	94.1	85.5
	757S Battle River 240/138kv XFMR	Scenario06	85.1	93.2	80.2
		Scenario06_BR	85.1	106.9	91.6
		Scenario06_SH	85.1	108.0	92.6
		Scenario07a	85.1	94.0	80.6
		Scenario07a_BR	85.1	117.0	99.7
		Scenario07a_Prim	85.1	98.5	84.2

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario07a_Mahk	85.1	97.8	83.7
		Scenario09	90.1	106.5	95.7
		Scenario09_BR	90.1	118.8	106.2
		Scenario09_SH	90.1	121.3	108.4
		Scenario10a_BR	90.1	108.2	96.8
		Scenario10a_Mahk	90.1	90.1	81.3
	9L80 (757S Battle River to 755S Cordel)	Scenario06	85.1	93.2	80.2
		Scenario06_BR	85.1	106.9	91.6
		Scenario06_SH	85.1	108.0	92.6
		Scenario07a	85.1	94.0	80.6
		Scenario07a_BR	85.1	117.0	99.7
		Scenario07a_Prim	85.1	98.5	84.2
		Scenario07a_Mahk	85.1	97.8	83.7
		Scenario09	90.1	106.5	95.7
		Scenario09_BR	90.1	118.8	106.2

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario09_SH	90.1	121.3	108.4
		Scenario10a_BR	90.1	108.2	96.8
		Scenario10a_Mahk	90.1	90.1	81.3
	912L (63S Red Deer to 766S Nevis)	Scenario06	85.1	95.8	83.1
		Scenario06_BR	85.1	136.4	116.9
		Scenario06_SH	85.1	132.6	114.0
		Scenario07a_BR	85.1	150.2	127.8
		Scenario09	90.1	113.0	102.6
		Scenario09_BR	90.1	150.6	134.3
		Scenario09_SH	90.1	151.4	135.3
		Scenario10a_BR	90.1	140.8	125.7
	WATL	Scenario06_BR	85.1	103.7	89.4
		Scenario06_SH	85.1	102.5	88.5
		Scenario07a_BR	85.1	110.1	94.6
		Scenario09	90.1	96.0	87.1

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario09_BR	90.1	113.0	101.9
		Scenario09_SH	90.1	114.1	102.9
		Scenario10a_BR	90.1	104.8	94.4
	New Killarney Tap	Scenario07a_BR	85.1	93.1	80.5
		Scenario09_BR	90.1	93.0	84.7
		Scenario09_SH	90.1	93.6	85.4
	701L (395S North Holden to 223S Strome)	Scenario07a_BR	85.1	93.2	80.1
		Scenario09_BR	90.1	91.1	82.2
		Scenario09_SH	90.1	92.0	83.0
	701L/7L701 (764S Heisler Tap)	Scenario07a_Prim	85.1	91.4	77.8
		Scenario07a_Mahk	85.1	90.4	77.1
		Scenario09	90.1	92.6	82.8
	7L53 (706S Irish Creek to 700S Bonnyville)	Scenario06_BR	85.1	97.5	84.4
		Scenario06_SH	85.1	96.2	83.4
		Scenario09	90.1	91.0	82.9

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
		Scenario09_BR	90.1	109.6	99.1
		Scenario09_SH	90.1	110.3	99.9
		Scenario10a_BR	90.1	103.7	93.6

Table B-5-4: 2037 PENV Category B Alternative 2 (240kV at 138kV) – Voltage Results

- No voltage violations observed.

6. Alternative 2 @ 240 kV - Long Term – Category B

Table B-6-1: 2037 PENV Category A Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results

Overloaded Element	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
174L (197S Bardo to 395S North Holden)	Scenario07a_BR	85.1	92.9	80.4
	Scenario09_BR	90.1	93.3	85.9

Table B-6-2: 2037 PENV Category A Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results

- No voltage violations observed.

Table B-6-3: 2037 PENV Category B Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results

Overloaded Element	Contingency	Scenario	Rating (MVA)	Observed thermal Loading (%)	Observed Loading MVA
7L205 (2007S Drury to 710S Vermillion)	7L50 (757S Battle River to 526S Buffalo Creek)	Scenario07a_Prim	109.0	94.0	106.0
		Scenario07a_Mahk	109.0	93.0	105.0
7L130 (705S Kitscoty to 710S Vermillion)	7L749 (716S Lloydminster to 889S Edgerton)	Scenario06	71.9	91.6	68.7
		Scenario06_BR	71.9	92.0	68.5
		Scenario06_SH	71.9	91.7	68.6
		Scenario07a	71.9	91.1	68.8
		Scenario07a_BR	71.9	91.5	68.6
		Scenario07a_Prim	71.9	91.2	68.7
		Scenario07a_Mahk	71.9	91.2	68.7
		Scenario09	86.3	96.3	86.8
		Scenario09_BR	86.3	96.5	86.5
		Scenario09_SH	86.3	96.5	86.5
		Scenario10a	86.3	96.6	86.4
		Scenario10a_BR	86.3	97.0	85.7
		Scenario10a_Prim	86.3	96.6	86.4

		Scenario10a_Mahk	86.3	96.6	86.4
Nevis XFMR	EATL	Scenario09_SH	100.0	91.4	91.4
	9L20 (755S Cordel to 766S Nevis)	Scenario09_BR	100.0	93.6	93.6
		Scenario09_SH	100.0	99.1	99.1
		Scenario10a_BR	100.0	94.8	94.8
7L749 Edgerton to Briker Tap	7L130 (705S Kitscoty to 710S Vermillion)	Scenario09	96.0	94.1	95.5
		Scenario09_BR	96.0	94.1	95.5
		Scenario09_SH	96.0	94.1	95.5
		Scenario10a	96.0	94.5	95.2
		Scenario10a_BR	96.0	94.5	95.2
		Scenario10a_Prim	96.0	94.5	95.2
		Scenario10a_Mahk	96.0	94.5	95.2
174L (197S Bardo to Saunders Lake)	EATL	Scenario06_BR	85.1	100.2	87.9
		Scenario06_SH	85.1	100.6	88.2
		Scenario07a_BR	85.1	97.7	85.8
		Scenario09	90.1	93.7	88.3
		Scenario09_BR	90.1	106.4	99.9
		Scenario09_SH	90.1	110.2	103.2

		Scenario10a_BR	90.1	98.0	92.3
	9L960 (13S Deerland to 825S Whitefish Lake)	Scenario07a_BR	85.1	92.4	81.3
		Scenario09_BR	90.1	90.9	85.9
	9L961 (13S Deerland to 825S Whitefish Lake)	Scenario07a_BR	85.1	92.4	81.3
		Scenario09_BR	90.1	90.9	85.9
	9L46 (932S Pemukan to 959S Lanfine)	Scenario07a_BR	85.1	91.3	80.4
		Scenario09_BR	90.1	94.5	89.3
	9L20 (766S Nevis to 755S Cordell)	Scenario06_BR	85.1	93.5	82.5
		Scenario07a_BR	85.1	101.2	89.2
		Scenario09_BR	90.1	102.0	96.5
		Scenario09_SH	90.1	95.2	90.0
		Scenario10a_BR	90.1	97.7	92.5
	9L59 (972S Tinchebray to 801S Anderson)	Scenario09_BR	90.1	92.8	87.8
	9L16 (972S Tinchebray to 755S Cordel)	Scenario09_BR	90.1	92.8	87.7
	9L24 (946S Oakland to 959S Lanfine)	Scenario09_BR	90.1	91.8	86.8
	9L79 (757S Battle River to 755S Cordel)	Scenario09_SH	90.1	92.6	87.2
	757S Battle River 240/138kv XFMR	Scenario07a_BR	85.1	92.4	81.4

		Scenario09_BR	90.1	95.0	89.8
		Scenario09_SH	90.1	93.5	88.3
		Scenario10a_BR	90.1	90.2	85.3
	9L80 (757S Battle River to 755S Cordel)	Scenario07a_BR	85.1	92.4	81.4
		Scenario09_BR	90.1	95.0	89.8
		Scenario09_SH	90.1	93.5	88.3
		Scenario10a_BR	90.1	90.2	85.3
	912L (63S Red Deer to 766S Nevis)	Scenario06_BR	85.1	104.6	92.2
		Scenario06_SH	85.1	97.0	85.7
		Scenario07a_BR	85.1	113.0	99.5
		Scenario09	90.1	91.7	86.9
		Scenario09_BR	90.1	114.5	108.2
		Scenario09_SH	90.1	108.2	102.2
		Scenario10a_BR	90.1	110.7	104.8
	WATL	Scenario07a_BR	85.1	91.7	80.6
		Scenario09_BR	90.1	92.9	87.6
		Scenario10a_BR	90.1	90.9	85.7
174L (197S Bardo to 395S North Holden)	EATL	Scenario06	85.1	93.3	80.6

		Scenario06_BR	85.1	117.4	100.3
		Scenario06_SH	85.1	118.0	101.0
		Scenario07a_BR	85.1	115.4	99.1
		Scenario09	90.1	105.4	96.2
		Scenario09_BR	90.1	126.1	114.1
		Scenario09_SH	90.1	131.9	118.5
		Scenario10a_BR	90.1	112.6	102.0
	9L960 (13S Deerland to 825S Whitefish Lake)	Scenario06_BR	85.1	94.3	81.5
		Scenario07a_BR	85.1	108.6	93.5
		Scenario09_BR	90.1	103.6	95.1
		Scenario09_SH	90.1	97.7	89.6
		Scenario10a_BR	90.1	93.6	85.8
	9L961 (13S Deerland to 825S Whitefish Lake)	Scenario06_BR	85.1	94.3	81.5
		Scenario07a_BR	85.1	108.6	93.5
		Scenario09_BR	90.1	103.6	95.1
		Scenario09_SH	90.1	97.7	89.6
		Scenario10a_BR	90.1	93.6	85.8
	7L70 (700S Bonnyville to 707S St Paul)	Scenario10a_BR	90.1	93.2	85.2

	9L46 (932S Pemukan to 959S Lanfine)	Scenario06_BR	85.1	97.6	84.1
		Scenario07a_BR	85.1	107.0	92.1
		Scenario09_BR	90.1	109.6	100.0
		Scenario09_SH	90.1	98.7	90.4
		Scenario10a_BR	90.1	101.2	92.1
	9L20 (766S Nevis to 755S Cordell)	Scenario06_BR	85.1	110.3	95.1
		Scenario06_SH	85.1	97.6	84.5
		Scenario07a_BR	85.1	124.3	106.8
		Scenario09_BR	90.1	122.8	112.0
		Scenario09_SH	90.1	111.7	102.1
		Scenario10a_BR	90.1	115.5	105.1
	1427 (NILREM3 240.0 kV) to 1499 (CORDEL 4 240.0 kV) ckt 53	Scenario09_SH	90.1	94.2	86.4
	9L59 (972S Tinchebray to 801S Anderson)	Scenario06_BR	85.1	95.5	82.4
		Scenario07a_BR	85.1	104.5	90.1
		Scenario09_BR	90.1	106.8	97.8
		Scenario09_SH	90.1	93.7	85.9
		Scenario10a_BR	90.1	98.3	89.8

	9L16 (972S Tinchebray to 755S Cordel)	Scenario06_BR	85.1	95.4	82.3
		Scenario07a_BR	85.1	104.4	90.0
		Scenario09_BR	90.1	106.7	97.6
		Scenario10a_BR	90.1	98.2	89.6
	9L24 (946S Oakland to 959S Lanfine)	Scenario06_BR	85.1	93.8	81.0
		Scenario07a_BR	85.1	103.4	89.1
		Scenario09_BR	90.1	105.2	96.3
		Scenario09_SH	90.1	95.5	87.7
		Scenario10a_BR	90.1	97.2	88.7
	9L79 (757S Battle River to 755S Cordel)	Scenario06_SH	85.1	97.3	84.1
		Scenario07a	85.1	92.9	80.4
		Scenario07a_Prim	85.1	97.9	84.6
		Scenario07a_Mahk	85.1	96.9	83.8
		Scenario09	90.1	92.5	85.0
		Scenario09_SH	90.1	106.7	97.2
		Scenario10a_Prim	90.1	91.0	83.4
		Scenario10a_Mahk	90.1	91.5	83.8
	757S Battle River 240/138kv XFMR	Scenario06_BR	85.1	98.2	84.1

		Scenario06_SH	85.1	95.0	81.6
		Scenario07a_BR	85.1	108.3	92.6
		Scenario09	90.1	96.3	87.6
		Scenario09_BR	90.1	109.9	99.7
		Scenario09_SH	90.1	107.7	97.4
		Scenario10a_BR	90.1	101.8	92.1
	9L80 (757S Battle River to 755S Cordel)	Scenario06_BR	85.1	98.2	84.1
		Scenario06_SH	85.1	95.0	81.6
		Scenario07a_BR	85.1	108.3	92.6
		Scenario09	90.1	96.3	87.6
		Scenario09_BR	90.1	109.9	99.7
		Scenario09_SH	90.1	107.7	97.4
		Scenario10a_BR	90.1	101.8	92.1
	912L (63S Red Deer to 766S Nevis)	Scenario06	85.1	92.0	79.8
		Scenario06_BR	85.1	129.3	110.8
		Scenario06_SH	85.1	117.2	101.1
		Scenario07a_BR	85.1	144.5	123.4
		Scenario09	90.1	105.9	97.2

		Scenario09_BR	90.1	144.2	130.4
		Scenario09_SH	90.1	133.9	121.5
		Scenario10a_BR	90.1	137.8	124.3
	WATL	Scenario06_BR	85.1	94.2	81.3
		Scenario07a_BR	85.1	105.4	90.8
		Scenario09_BR	90.1	104.9	96.0
		Scenario09_SH	90.1	97.2	88.9
		Scenario10a_BR	90.1	100.6	91.5
	7L53 (706S Irish Creek to 700S Bonnyville)	Scenario09_BR	90.1	101.3	92.9
		Scenario09_SH	90.1	95.5	87.5
		Scenario10a_BR	90.1	96.7	88.3

Table B-6-4: 2037 PENV Category B Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results

- No voltage violations observed.

7. Alternative 2 – Category C5

Table B-7-1: 2021 PENV C5 Alternative 2 (240kV at 138kV) – Thermal Results

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
174L (Bardo 197S to North Holden 395S)	9L80+9L79 (Cordell 755S to Battle River 757S)	Case 04 BR#4 Out	138	90	101.8%	93.7	The overloading level is lower than 174L emergency rating and can be managed by operating procedures.
7L117 (Irish Creek 706S to Vermillion 710S)	9L36+9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	Case 2a Mahkeses1 Out	138	109	116.5%	127.0	Monitor the flow on cut plane consisting of D/C 240 kV 9L36 & 9L37 and 144 kV lines 7L70 and 7L53. Curtail approximately 30 to 45 MW load in the Cold Lake area immediately to bring down flow on 7L70 and 7L53 to below 110 MW under the contingency of 9L36 & 9L37

Table B-7-2: 2021 PENV C5 Alternative 2 (240kV at 138kV) – Voltage Results

Contingency	Bus and Substation	Base Voltage (kV)	Study Scenario	V max (pu)	V min (pu)	Observed Voltage (pu)	Mitigation Measures
9L36+9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	NA	NA	Case 2a Primrose Out	Voltage Collapse			Monitor the flow on cut plane consisting of D/C 240 kV 9L36 & 9L37 and 144 kV lines 7L70 and 7L53. Curtail approximately 30 to 45 MW load in the Cold Lake area immediately to bring down flow on 7L70 and 7L53 to below 110 MW under the contingency of 9L36 & 9L37
	Bus 1315 (721S Lacorey)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.921	
	Bus 1112 (940S Beartrap)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.924	
	Bus 1332 (846S Grand Centre)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.927	
	Bus 1344 (700S Bonnyville)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.931	
	Bus 1313 (826s Marguerite Lake)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.933	
	Bus 1320 (Ethel Lake 717S)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.936	
	Bus 1372 (St. Paul 707S)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.937	
	Bus 1300 (822S Wolf Lake)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.937	
	Bus 1377 (Irish Creek 706S)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.941	

Contingency	Bus and Substation	Base Voltage (kV)	Study Scenario	V max (pu)	V min (pu)	Observed Voltage (pu)	Mitigation Measures
	Bus 1444 (Lindbergh 959S)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.941	

Table B-7-3: 2021 PENV C5 Alternative 2 (240kV at 138kV) – Thermal Results – 174L Open

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
7L117 (Irish Creek 706S to Vermillion 710S)	9L36+9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	Case 2a Mahkeses1 Out	138	109	115.6	126.7	Monitor the flow on cut plane consisting of D/C 240 kV 9L36 & 9L37 and 144 kV lines 7L70 and 7L53. Curtail approximately 30 to 45 MW load in the Cold Lake area immediately to bring down flow on 7L70 and 7L53 to below 110 MW under the contingency of 9L36 & 9L37

Table B-7-4: 2021 PENV C5 Alternative 2 (240kV at 138kV) – Voltage Results – 174L Open

Contingency	Bus and Substation	Base Voltage (kV)	Study Scenario	V max (pu)	V min (pu)	Observed Voltage (pu)	Mitigation Measures
9L36+9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	NA	NA	Case 2a Primrose Out	Voltage Collapse			Monitor the flow on cut plane consisting of D/C 240 kV 9L36 & 9L37 and 144 kV lines 7L70 and 7L53. Curtail approximately 30 to 45 MW load in the Cold Lake area immediately to bring down flow on 7L70 and 7L53 to below 110 MW under the contingency of 9L36 & 9L37
	Bus 1315 (721S Lacorey)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.927	
	Bus 1112 (940S Beartrap)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.930	
	Bus 1332 (846S Grand Centre)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.933	
	Bus 1344 (700S Bonnyville)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.936	

Contingency	Bus and Substation	Base Voltage (kV)	Study Scenario	V max (pu)	V min (pu)	Observed Voltage (pu)	Mitigation Measures
	Bus 1313 (826s Marguerite Lake)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.938	
	Bus 1320 (Ethel Lake 717S)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.941	

Table B-7-5: 2037 PENV C5 Alternative 2 (240kV at 138kV) – Thermal Results

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
174L (Bardo 197S to Saunders Lake 289S)	912L+901L (Red Deer 63S to Nevis 766S / 901L Tap)	Case 09 Sheerness out	138	90	118.2%	110.0	174L will be transfer tripped post-contingency of 912L+901L
174L (Bardo 197S to North Holden 395S)		Case 09 Sheerness out	138	90	149.3%	133.5	
Nevis 766S 240/138 kV Transformer	7L128+7L171 (Michichi Creek 802S to Coyote Lake 963S / Wintering Hills 804S)	Case 09 Sheerness out	240	100	111.0%	111.0	Up to 12 MW load at Heatburg 948S, Three Hills 770S, Rowley 768S and Michichi Creek 802S should be curtailed post-contingency.
Battle River 240/138kV Transformer	953L+1047L (Nilrem 574S to Cordel 755S / Hansman Lake 650S)	Case 10a Mahkeses1 Out	240	224	101.6%	227.6	The overloading level is lower than its emergency rating and can be managed by operating procedures.

Table B-7-6: 2037 PENV C5 Alternative 2 (240kV at 138kV) – Voltage Results

- No voltage violation was observed

Table B-7-7: 2037 PENV C5 Alternative 2 (240kV at 138kV) – Thermal Results – 174L Open

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
Battle River 757S 240/138 kV Transformer	953L+1047L (Nilrem 574S to Cordell 755S / Hansman Lake 650S)	Case 10a Mahkeses1 Out	240	224	116.3%	260.5	174L, that is normally open, can be closed post-contingency to mitigate this

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
							overloading.
Nevis 766S 240/138 kV Transformer	7L128+7L171 (Michichi Creek 802S to Coyote Lake 963S / Wintering Hills 804S)	Case 09 Sheerness replacement out	240	100	114.6%	114.6	Up to 15 MW load at Heatburg 948S, Three Hills 770S, Rowley 768S and Michichi Creek 802S should be curtailed post-contingency.

Table B-7-8: 2037 PENV C5 Alternative 2 (240kV at 138kV) – Voltage Results – 174L Open

- No voltage violation was observed

8. Alternative 2 – Category C7

Table B-8-1: 2021 PENV C7 Alternative 2 (240kV at 138kV) – Thermal Results

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
749L (Edgerton 899S to 749L-Tap)	Fault on Line 715L, Breaker S1352 at Hansman Lake 650S fails Fault on Line 7L224, Breaker S1752 at Hansman Lake 650S fails Fault on Line 885L, Breaker S1752 at Hansman Lake	• 715L (Hansman Lake 650S to Provost 545S) • 885L (Hansman Lake 650S to Metiskow 648S) • 7L224 (Hansman Lake 650S to Monitor 774S) • Hansman Lake 650S 240/138 kV Transformer • New 138 kV line Hansman Lake 650 S to	Case 2a Primrose #1 out	138	88	109.1%	100.1	The overloading level is lower than 749L emergency rating and can be managed by operating procedures.

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
	650S fails	Killarney tap on new line						
703L (Hardisty 377S to 703L-Tap)	Fault on Line 954L, Breaker S752 at Hansman Lake 650S fails	• 954L (Metiskow 648S to Hansman Lake 650S) • Hansman Lake 650S 240/138 kV Transformer	Case 5a Mahkeses #1 out	138	83	114.9%	98.2	Trip up to 18 MW load at Hughenden and Sunken Lake post-contingency
174L (Bardo 197S to North Holden 395S)	Fault on Line 9L20 or 9L79, Breaker S901 at Cordell 755S fails	• 9L20 (Cordell 755S to Nevis 766S) • 9L79 (Cordell 755S to Battle River 757S)	Case 4 BR #4 Out	138	90	109.8%	101.5	The overloading level is lower than 174L emergency rating and can be managed by operating procedures.

Table B-8-2: 2021 PENV C7 Alternative 2 (240kV at 138kV) – Voltage Results

- No voltage violation was observed

Table B-8-3: 2021 PENV C7 Alternative 2 (240kV at 138kV) – Thermal Results – 174L Open

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
749L (Edgerton 899S to 749L-Tap)	Fault on Line 715L, Breaker S1352 at Hansman Lake 650S fails Fault on Line 7L224, Breaker S1752 at Hansman Lake 650S fails Fault on Line 885L, Breaker S1752 at Hansman Lake	• 715L (Hansman Lake 650S to Provost 545S) • 885L (Hansman Lake 650S to Metiskow 648S) • 7L224 (Hansman Lake 650S to Monitor 774S) • Hansman Lake 650S 240/138 kV Transformer • New 138 kV line Hansman Lake 650 S to Killarney tap on new line	Case 2a Primrose #1 out	138	88	109.9%	101.2	The overloading level is lower than 749L emergency rating and can be managed by operating procedures.

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
	650S fails							
703L (Hardisty 377S to 703L-Tap)	Fault on Line 954L, Breaker S752 at Hansman Lake 650S fails	• 954L (Metiskow 648S to Hansman Lake 650S) • Hansman Lake 650S 240/138 kV Transformer	Case 5a Mahkeses #1 out	138	83	114.2%	97.9	Trip up to 18 MW load at Hughenden and Sunken Lake post-contingency

Table B-8-4: 2021 PENV C7 Alternative 2 (240kV at 138kV) – Voltage Results – 174L Open

- No voltage violation was observed in near-term scenarios with 174L open

Table B-8-5: 2037 PENV C7 Alternative 2 (240kV at 138kV) – Thermal Results

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
174L (Bardo 197S to North Holden 395S)	Fault on Line 9L20 or 9L79, Breaker S901 at Cordell 755S fails	• 9L20 (Cordell 755S to Nevis 766S) • 9L79 (Cordell 755S to Battle River 757S)	Case 06 Sheerness Out	138	85	150.0%	127.4	174L will be transfer tripped post-contingency
174L (Bardo 197S to Sauders Lake 289S)				138	85	117.0%	102.9	
Nevis 766S 240/138 kV Transformer				138	100	125.6%	125.6	144 kV line 7L143 transfer trip SPS can be utilized till additional Nevis transformer is installed.
7L130 (Vermillion 710S to Kitscoty 705S)	Fault on Line 749L, Breaker S749X at Edgerton 899S fails	• 749L (Metiskow 648S to Edgerton 899S) • 7L749 (Edgerton 899S to 7L749-Tap) • New 138 kV line Hansman	Case 9 BR Replacement Out	138	86	106.5%	94	The overloading level is lower than 7L130 emergency rating and can be managed by

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
		Lake 650S to Edgerton 899S						operating procedures
749L (Edgerton 899S to 749L-Tap)	Fault on Line 715L, Breaker S1352 at Hansman Lake 650S fails Fault on Line 7L224, Breaker S1752 at Hansman Lake 650S fails Fault on Line 885L, Breaker S1752 at Hansman Lake 650S fails	• 715L (Hansman Lake 650S to Provost 545S) • 885L (Hansman Lake 650S to Metiskow 648S) • 7L224 (Hansman Lake 650S to Monitor 774S) • Hansman Lake 650S 240/138 kV Transformer • New 138 kV line Hansman Lake 650 S to Killarney tap on new line	Case 10a Mahkeses #1 out	138	96	123.3%	121.3	Transfer trip breaker @ Edgerton of the new 138 kV line Hansman Lake to Edgerton post-contingency Alternatively, up to 45 MW load at Killarney Lake and Hayter can be curtailed post-contingency.
703L (Hardisty 377S to 703L-Tap)	Fault on Line 954L, Breaker S752 at Hansman Lake 650S fails	• 954L (Metiskow 648S to Hansman Lake 650S) • Hansman Lake 650S 240/138 kV Transformer	Case 10a Mahkeses #1 out	138	83	125.0%	105.7	Trip up to 25 MW load at Hughenden and Sunken Lake post-contingency

Table B-8-6: 2037 PENV C7 Alternative 2 (240kV at 138kV) – Voltage Results

- No voltage violation was observed

Table B-8-7: 2037 PENV C7 Alternative 2 (240kV at 138kV) – Thermal Results – 174L Open

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
Nevis 766S 240/138 kV Transformer	Fault on Line 9L20 or 9L79, Breaker S901 at Cordell 755S fails	• 9L20 (Cordell 755S to Nevis 766S) • 9L79 (Cordell 755S to Battle River 757S)	Case 06 Sheerness Out	138	100	141.2%	141.2	144 kV line 7L143 transfer trip SPS can be utilized till additional Nevis transformer is installed.
7L130 (Vermillion 710S to Kitscoty 705S)	Fault on Line 749L, Breaker S749X at Edgerton 899S fails	• 749L (Metiskow 648S to Edgerton 899S) • 7L749 (Edgerton 899S to 7L749-Tap) • New 138 kV line Hansman Lake 650S to Edgerton 899S	Case 9 BR Replacement Out	138	86	105.5%	94.6	The overloading level is lower than 7L130 emergency rating and can be managed by operating procedures
749L (Edgerton 899S to 749L-Tap)	Fault on Line 715L, Breaker S1352 at Hansman Lake 650S fails Fault on Line 7L224, Breaker S1752 at Hansman Lake 650S fails Fault on Line 885L, Breaker S1752 at Hansman Lake 650S fails	• 715L (Hansman Lake 650S to Provost 545S) • 885L (Hansman Lake 650S to Metiskow 648S) • 7L224 (Hansman Lake 650S to Monitor 774S) • Hansman Lake 650S 240/138 kV Transformer • New 138 kV line Hansman Lake 650 S to Killarney tap on new line	Case 10a Mahkeses #1 out	138	96	124.4%	122.8	Transfer trip breaker @ Edgerton of the new 138 kV line Hansman Lake to Edgerton post-contingency Alternatively, up to 45 MW load at Killarney Lake and Hayter can be curtailed post-contingency.
703L (Hardisty 377S to 703L-	Fault on Line 954L, Breaker S752 at	• 954L (Metiskow 648S to Hansman Lake 650S) • Hansman Lake 650S	Case 10a Primrose 1 Out	138	83	124.1%	105.2	Trip up to 25 MW load at Hughenden and Sunken Lake

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
Tap)	Hansman Lake 650S fails	240/138 kV Transformer						post-contingency
Battle River 240/138 kV Transformer	Fault on Line 953L or 1047L, Breaker S552 at Nilrem 574S fails	• 953L (Nilrem 574S to Cordell 755S) • 1047L (Nilrem 574S to Hansman Lake 650S)	Case 10a Mahkeses #1 out	138	224	115.1%	257.8	When 174L is normally open, it can be closed post-contingency to mitigate this overloading.

Table B-8-8: 2037 PENV C7 Alternative 2 (240kV at 138kV) – Voltage Results – 174L Open

- No voltage violation was observed.

9. Alternative 2 @ 240 kV – Category C5

Table B-9-1: 2021 PENV C5 Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
174L (Bardo 197S to North Holden 395S)	912L+901L (Red Deer 63S to Nevis 766S / 901L Tap)	Case 2a BR#5 Out	138	85	100.6	87.8	The overload is lower than 174L emergency rating and can be managed by operating procedures.
7L117 (Irish Creek 706S to Vermillion 710S)	9L36+9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	Case 2a Mahkeses1 Out	138	109	119.1	131.3	Monitor the flow on cut plane consisting of D/C 240 kV 9L36 & 9L37 and 144 kV lines 7L70 and 7L53. Curtail approximately 30 to 45 MW load in the Cold Lake area immediately to bring down flow on 7L70 and 7L53 to below 110 MW under the contingency of 9L36 & 9L37.
7L205 (Drury 2007S to Vermillion 710S)		Case 2a Mahkeses1 Out	138	109	102.2	113.9	

Table B-9-2: 2021 PENV C5 Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results

Contingency	Bus and Substation	Base Voltage (kV)	Study Scenario	V max (pu)	V min (pu)	Observed Voltage (pu)	Mitigation Measures
9L36+9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	NA	NA	Case 2a Primrose Out	Voltage Collapse			Monitor the flow on cut plane consisting of D/C 240 kV 9L36 & 9L37 and 144 kV lines 7L70 and 7L53. Curtail approximately 30 to 45 MW load in the Cold Lake area immediately to bring down flow on 7L70 and 7L53 to below 110 MW under the contingency of 9L36 & 9L37. .
	Bus 1315 (721S LaCorey)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.913	
	Bus 1112 (940S Beartrap)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.918	
	Bus 1332 (846S Grand Centre)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.920	
	Bus 1313 (826s Marguerite Lake)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.923	
	Bus 1344 (700S Bonnyville)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.925	
	Bus 1300 (822S Wolf Lake)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.926	
	Bus 1320 (717S Ethel Lake)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.928	
	Bus 1302 (859S Primrose)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.929	
	Bus 1310 (715S Leming Lake)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.935	
	Bus 1444 (969S Lindbergh)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.938	
	Bus 1372 (707S St. Paul)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.939	
	Bus 248 (889S Mahkeses)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.940	

Table B-9-3: 2021 PENV C5 Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results – 174L Open

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
7L117 (Irish Creek 706S to Vermillion 710S)	9L36+9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	Case 2a Mahkeses1 Out	138	109	118.3	131.2	Monitor the flow on cut plane consisting of D/C 240 kV 9L36 & 9L37 and 144 kV lines 7L70 and 7L53. Curtail approximately 30 to 45

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
							MW load in the Cold Lake area immediately to bring down flow on 7L70 and 7L53 to below 110 MW under the contingency of 9L36 & 9L37. .

Table B-9-4: 2021 PENV C5 Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results – 174L Open

Contingency	Bus and Substation	Base Voltage (kV)	Study Scenario	V max (pu)	V min (pu)	Observed Voltage (pu)	Mitigation Measures
9L36+9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	NA	NA	Case 2a Primrose Out	Voltage Collapse			Monitor the flow on cut plane consisting of D/C 240 kV 9L36 & 9L37 and 144 kV lines 7L70 and 7L53. Curtail approximately 30 to 45 MW load in the Cold Lake area immediately to bring down flow on 7L70 and 7L53 to below 110 MW under the contingency of 9L36 & 9L37.
	Bus 1315 (721S LaCorey)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.917	
	Bus 1112 (940S Beartrap)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.923	
	Bus 1332 (846S Grand Centre)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.924	
	Bus 1313 (826s Marguerite Lake)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.926	
	Bus 1344 (700S Bonnyville)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.928	
	Bus 1300 (822S Wolf Lake)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.930	
	Bus 1320 (717S Ethel Lake)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.931	
	Bus 1310 (715S Leming Lake)	138	Case 2a Mahkeses1 Out	1.123	0.942	0.931	

Table B-9-5: 2037 PENV C5 Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
174L (Bardo 197S to Saunders Lake 289S)	912L+901L (Red Deer 63S to Nevis 766S / 901L Tap)	Case 09 BR replacement out	138	90	113.4%	107.2	Transfer trip 174L at North Holden
174L (Bardo 197S to North Holden 395S)		Case 09 BR replacement out	138	90	142.3%	128.8	
Nevis 766S 240/138 kV Transformer	7L128+7L171 (Michichi Creek 802S to Coyote Lake 963S / Wintering Hills 804S)	Case 09 Sheerness out	240	100	109.3%	109.3	Curtail up to 12 MW load at Heatburg 948S, Three Hills 770S, Rowley 768S and Michichi Creek 802S post-contingency.

Table B-9-6: 2037 PENV C5 Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results

- No voltage violation was observed.

Table B-9-7: 2037 PENV C5 Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results – 174L Open

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
Battle River 757S 240/138 kV Transformer	953L+1047L (Nilrem 574S to Cordell 755S / Hansman Lake 650S)	Case 10a Mahkeses1 Out	240	224	110.3%	247.1	174L, that is normally open, can be closed post-contingency to mitigate this overload.
Nevis 766S 240/138 kV Transformer	7L128+7L171 (Michichi Creek 802S to Coyote Lake 963S / Wintering Hills 804S)	Case 09 Sheerness replacement out	240	100	112.6%	112.6	Up to 12 MW load at Heatburg 948S, Three Hills 770S, Rowley 768S and Michichi Creek

Overloaded Element	Contingency	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
							802S should be curtailed post-contingency.

Table B-9-8: 2037 PENV C5 Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results – 174L Open

- No voltage violation was observed.

10. Alternative 2 @ 240 kV - Category C7

Table B-10-1: 2021 PENV C7 Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
174L (Bardo 197S to North Holden 395S)	Fault on Line 7L50, Breaker S709 at Battle River 757S fails	• 7L50 (Battle River 757S to Jarrow Tap to Buffalo Creek 526S) • 702L (Battle River 757S to 702L-Tap) • 7L701 (Battle River 757S to 7L701-Tap) • Battle River 240/138 kV Transformer • Battle River 138/69 kV Transformer • Battle River Plant #4 Unit	Case 2a BR #5 Out	138	85	102.1	87.8	The overloading level is lower than 174L emergency rating and can be managed by operating procedures.
	Fault on Line 9L20 or 9L79, Breaker S901 at Cordell 755S fails	• 9L20 (Cordell 755S to Nevis 766S) • 9L79 (Cordell 755S to Battle River 757S)	Case 4 BR #4 Out	138	90	107.4	97.8	

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
	Fault on Line 702L, Breaker S708 at Battle River 757S	• 702L (Battle River 757S to 702L-Tap to Hardisty 377S) • 7L50 (Battle River 757S to Jarrow Tap) • 7L701 (Battle River 757S to 7L701-Tap) • Battle River 240/138 kV Transformer • Battle River 138/69 kV Transformer • Battle River Plant #4 Unit	Case 2a BR #5 Out	138	85	100.4%	86.3	

Table B-10-2: 2021 PENV C7 Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results

- No voltage violation was observed.

Table B-10-3: 2021 PENV C7 Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results – 174L Open

- No thermal violation was observed.

Table B-10-4: 2021 PENV C7 Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results – 174L Open

- No voltage violation was observed.

Table B-10-5: 2037 PENV C7 Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
174L (Bardo 197S to North Holden 395S)	Fault on Line 9L20 or 9L79, Breaker S901	• 9L20 (Cordell 755S to Nevis 766S)	Case 09 Sheerness Out	138	90	150.0%	134.2	174L will be transfer tripped post-contingency

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measures
174L (Bardo 197S to Sauders Lake 289S)	at Cordell 755S fails	• 9L79 (Cordell 755S to Battle River 757S)		138	90	118.0%	110.7	
Nevis 766S 240/138 kV Transformer				138	100	122.5%	122.5	144 kV line 7L143 transfer trip SPS can be utilized till additional Nevis transformer is installed.
7L130 (Vermillion 710S to Kitscoty 705S)	Fault on Line 749L, Breaker S749X at Edgerton 899S fails	• 749L (Metiskow 648S to Edgerton 899S) • 7L749 (Edgerton 899S to 7L749-Tap) • New Edgerton 899S 240/138 kV Transformer	Case 10a Primrose 1 Out	138	86	106.2%	94.3	The overloading level is lower than 7L130 emergency rating and can be managed by operating procedures

Table B-10-6: 2037 PENV C7 Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results

- No voltage violation was observed .

Table B-10-7: 2037 PENV C7 Alternative 2 Sensitivity (240kV at 240kV) – Thermal Results – 174L Open

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measure
Nevis 766S 240/138 kV Transformer	Fault on Line 9L20 or 9L79, Breaker S901 at Cordell 755S fails	• 9L20 (Cordell 755S to Nevis 766S) • 9L79 (Cordell 755S to Battle River 757S)	Case 06 Sheerness Out	138	100	125.4%	125.4	144 kV line 7L143 transfer trip SPS can be utilized till additional Nevis transformer is installed.
7L130 (Vermillion	Fault on Line 749L, Breaker	• 749L (Metiskow 648S to Edgerton 899S)	Case 10a Primrose	138	86	105.7%	94.6	Since the overloading level on

Overloaded Element	Contingency	Elements Tripped	Study Scenario	Base kV	Rating (MVA)	Observed Thermal Loading (%)	Observed Loading MVA	Mitigation Measure
710S to Kitscoty 705S)	S749X at Edgerton 899S fails	• 7L749 (Edgerton 899S to 7L749-Tap) • New Edgerton 899S 240/138 kV Transformer	1 Out					7L130 is lower than its emergency rating, it can be managed by operating procedures
Battle River 240/138 Kv Transformer	Fault on Line 953L or 1047L, Breaker S552 at Nilrem 574S fails	• 953L (Nilrem 574S to Cordell 755S) • 1047L (Nilrem 574S to Hansman Lake 650S)	Case 10a Primrose 1 Out	138	224	110.3%	247.1	When 174l is normally open, it can be closed post-contingency to mitigate this overloading.

Table B-10-8: 2037 PENV C7 Alternative 2 Sensitivity (240kV at 240kV) – Voltage Results – 174L Open

- No voltage violation was observed.

11. Power Flow Plots

Table B-11: Select Contingency Power Flow Plots:

Figure	Scenario	Alternative	System Status	Contingency
B-1	Scenario 2a Battle River 5 out	Alt 1	Category B	912L
B-2	Scenario 2a Battle River 5 out	Alt 2	Category B	912L
B-3	Scenario 2a Battle River 5 out	Alt 2 @ 240kV	Category B	912L
B-4	Scenario 9 Battle River Replacement Out	Alt 1	Category B	912L
B-5	Scenario 6	Alt 1	Category B	7L749/749L
B-6	Scenario 10a	Alt 1	Category B	7L130
B-7	Scenario 9 Sheerness Replacement out	Alt 1	Category B	9L20
B-8	Scenario 9 Battle River	Alt 2	Category B	912L

Figure	Scenario	Alternative	System Status	Contingency
	Replacement Out			
B-9	Scenario 6	Alt 2	Category B	7L749/749L
B-10	Scenario 10a	Alt 2	Category B	7L130
B-11	Scenario 9 Sheerness Replacement out	Alt 2	Category B	9L20
B-12	Scenario 9 Battle River Replacement Out	Alt 2 @ 240kV	Category B	912L
B-13	Scenario 6	Alt 2 @ 240kV	Category B	7L749/749L
B-14	Scenario 10a	Alt 2 @ 240kV	Category B	7L130
B-15	Scenario 9 Sheerness Replacement out	Alt 2 @ 240kV	Category B	9L20
B-16	Scenario 7 Primrose Out	Alt 2 @ 240kV	Category B	7L50
B-17	Case 2a Primrose Out	Alt 2	Category C5	9L36+9L37
B-18	Case 2a Primrose Out	Alt 2 @ 240kV	Category C5	9L36+9L37
B-19	Case 5a Mahkeses 1 out	Alt 2	Category C7	954L, Breaker S752@ Hansman Lake fail
B-20	Case 10a Mahkeses1 Out	Alt 2	Category C5	953L+1047L
B-21	Case 10a Mahkeses1 Out	Alt 2 @ 240kV	Category C5	953L+1047L
B-22	Case 6 Sheerness Out	Alt 2	Category C7	9L20, Breaker S901 @Cordell fail
B-23	Case 10a Mahkeses1 Out	Alt 2	Category C7	885L, Breaker S1752@ Hansman Lake fail
B-24	Case 6 Sheerness Out	Alt 2 @ 240kV	Category C7	9L20, Breaker S901 @Cordell fail

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	0.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-1029.78 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	-0.00 MW

SOK-240: 788.48 MW
+ 0.35 x 0.00 MW

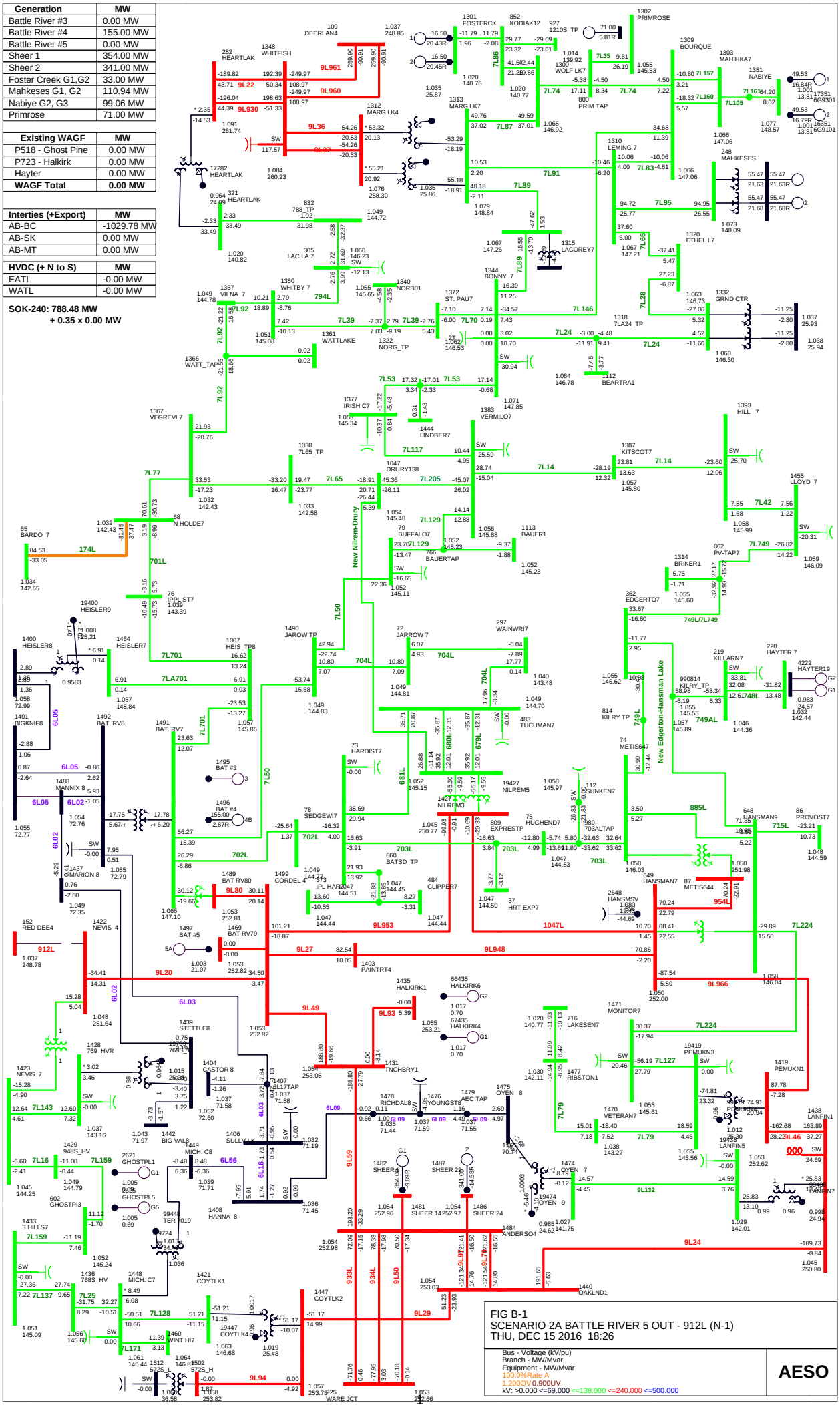


FIG B-1
SCENARIO 2A BATTLE RIVER 5 OUT - 912L (N-1)
THU, DEC 15 2016 18:26

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

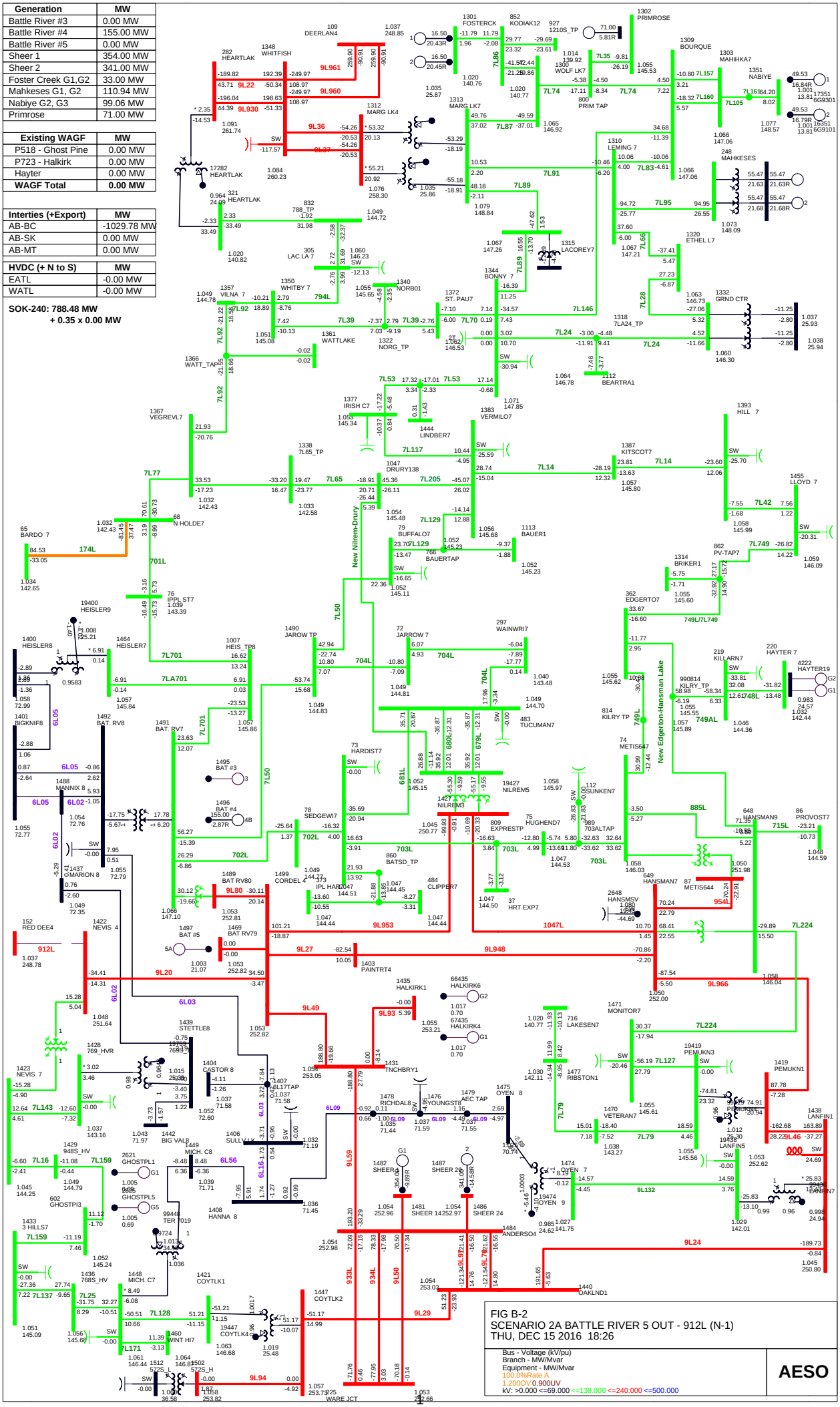
Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	0.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-1029.78 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	-0.00 MW

SOK-240: 788.48 MW
+ 0.35 x 0.00 MW



Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	0.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-1029.36 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	0.00 MW
WATL	-0.00 MW

SOK-240: 791.05 MW
+ 0.35 x 0.00 MW

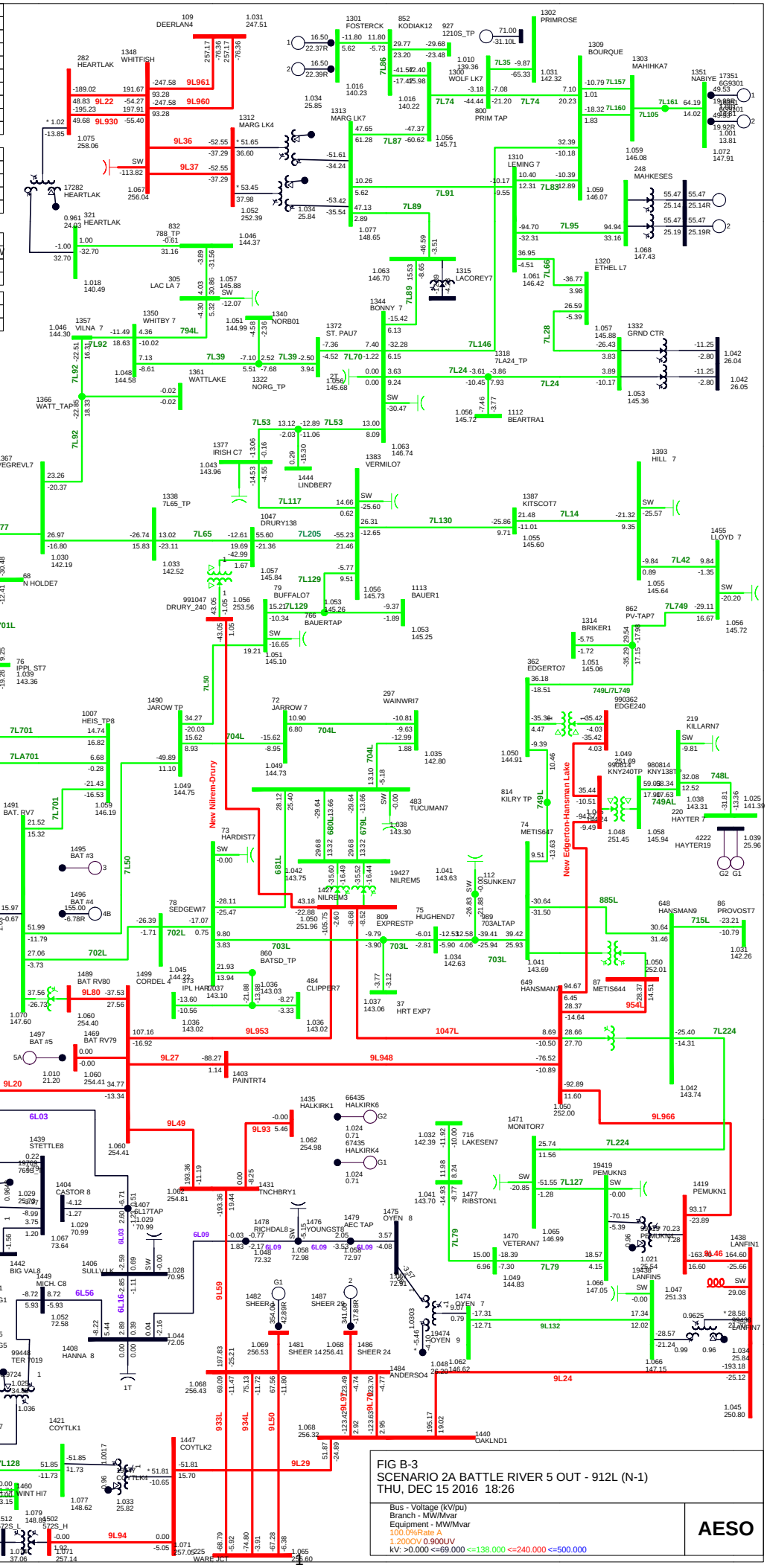


FIG B-3
SCENARIO 2A BATTLE RIVER 5 OUT - 912L (N-1)
THU, DEC 15 2016 18:26

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

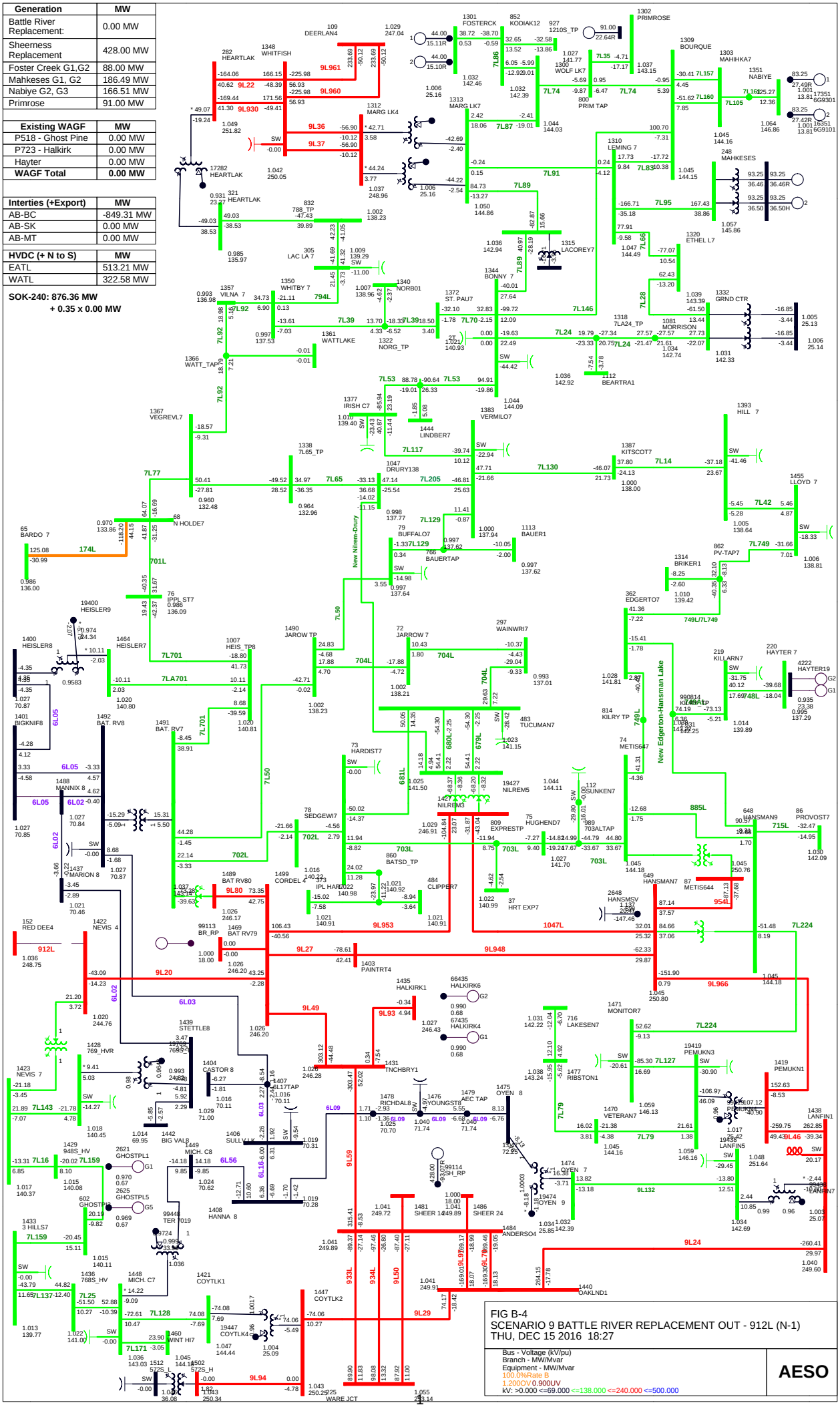
Generation	MW
Battle River Replacement:	0.00 MW
Sheerness Replacement	428.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-849.31 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	513.21 MW
WATL	322.58 MW

SOK-240: 876.36 MW
+ 0.35 x 0.00 MW



Generation	MW
Battle River Replacement:	237.00 MW
Sheerness Replacement	401.00 MW
Foster Creek G1,G2	67.00 MW
Mahkeses G1, G2	147.40 MW
Nabiye G2, G3	131.60 MW
Primrose	74.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-373.38 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	402.83 MW
WATL	392.80 MW

SOK-240: 860.36 MW
+ 0.35 x 122.73 MW

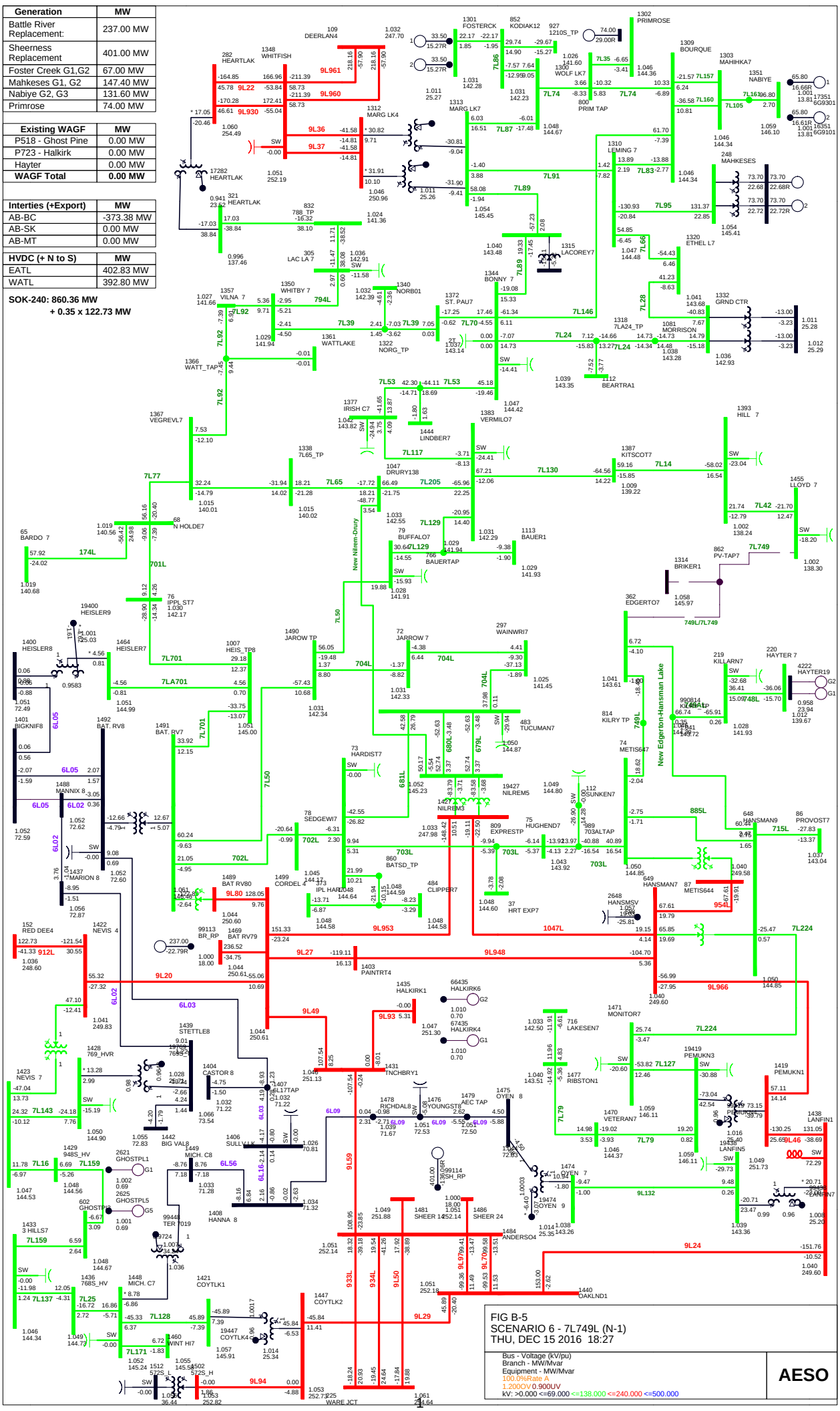


FIG B-5
SCENARIO 6 - 7L749L (N-1)
THU, DEC 15 2016 18:27

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River Replacement:	428.00 MW
Sheerness Replacement	428.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-582.74 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	402.83 MW
WATL	412.86 MW

SOK-240: 873.92 MW
+ 0.35 x 69.42 MW

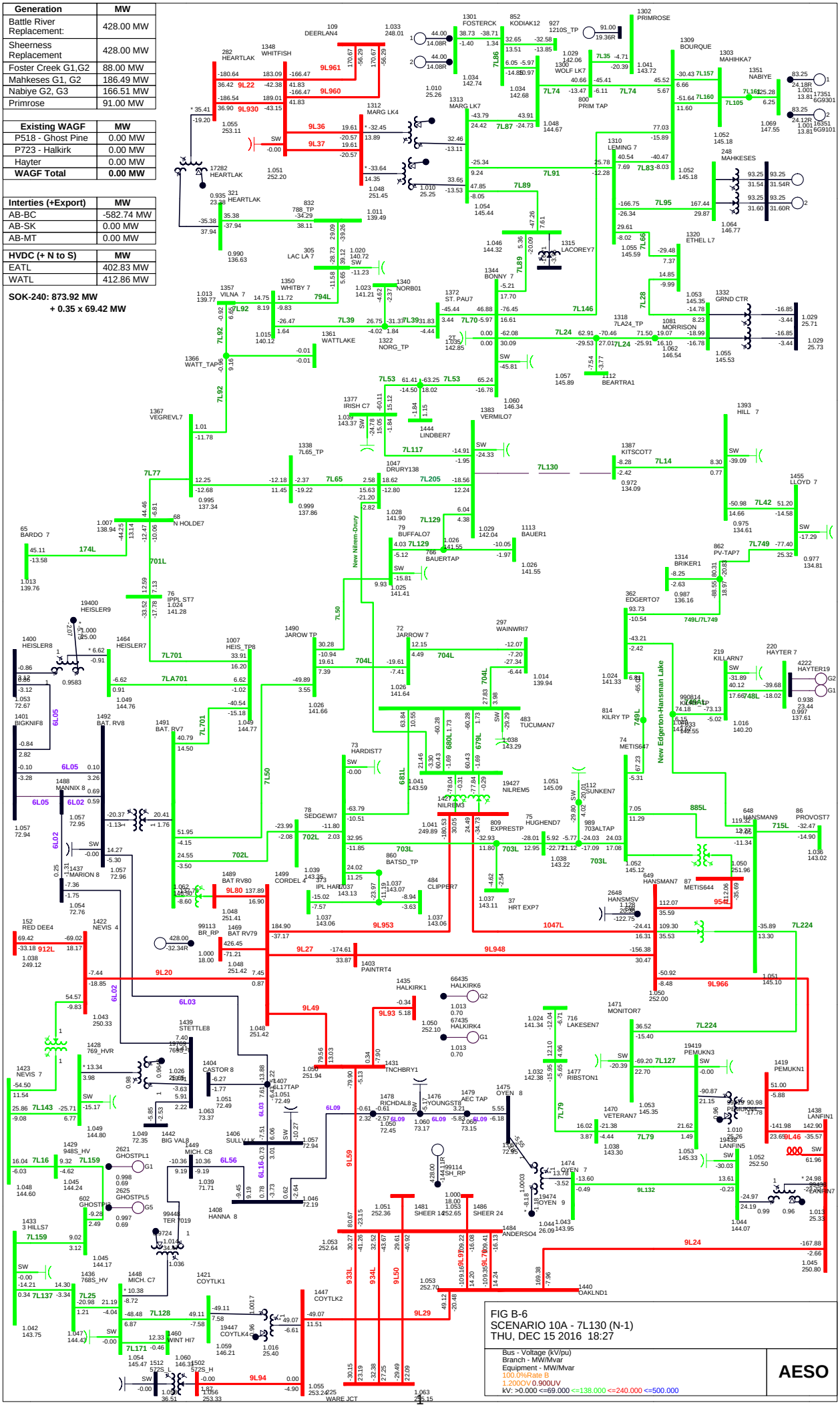


FIG B-6
SCENARIO 10A - 7L130 (N-1)
THU, DEC 15 2016 18:27

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River Replacement:	222.00 MW
Sheerness Replacement	0.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-1041.00 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	633.97 MW
WATL	252.36 MW

SOK-240: 858.72 MW
+ 0.35 x 119.19 MW

FIG B-7
SCENARIO 9 SHEERNESS REPLACEMENT OUT - 9L20 (N-1)
THU, DEC 15 2016 18:27

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River Replacement:	0.00 MW
Sheerness Replacement	428.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-852.88 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	442.96 MW
WATL	392.80 MW

SOK-240: 871.79 MW
+ 0.35 x 0.00 MW

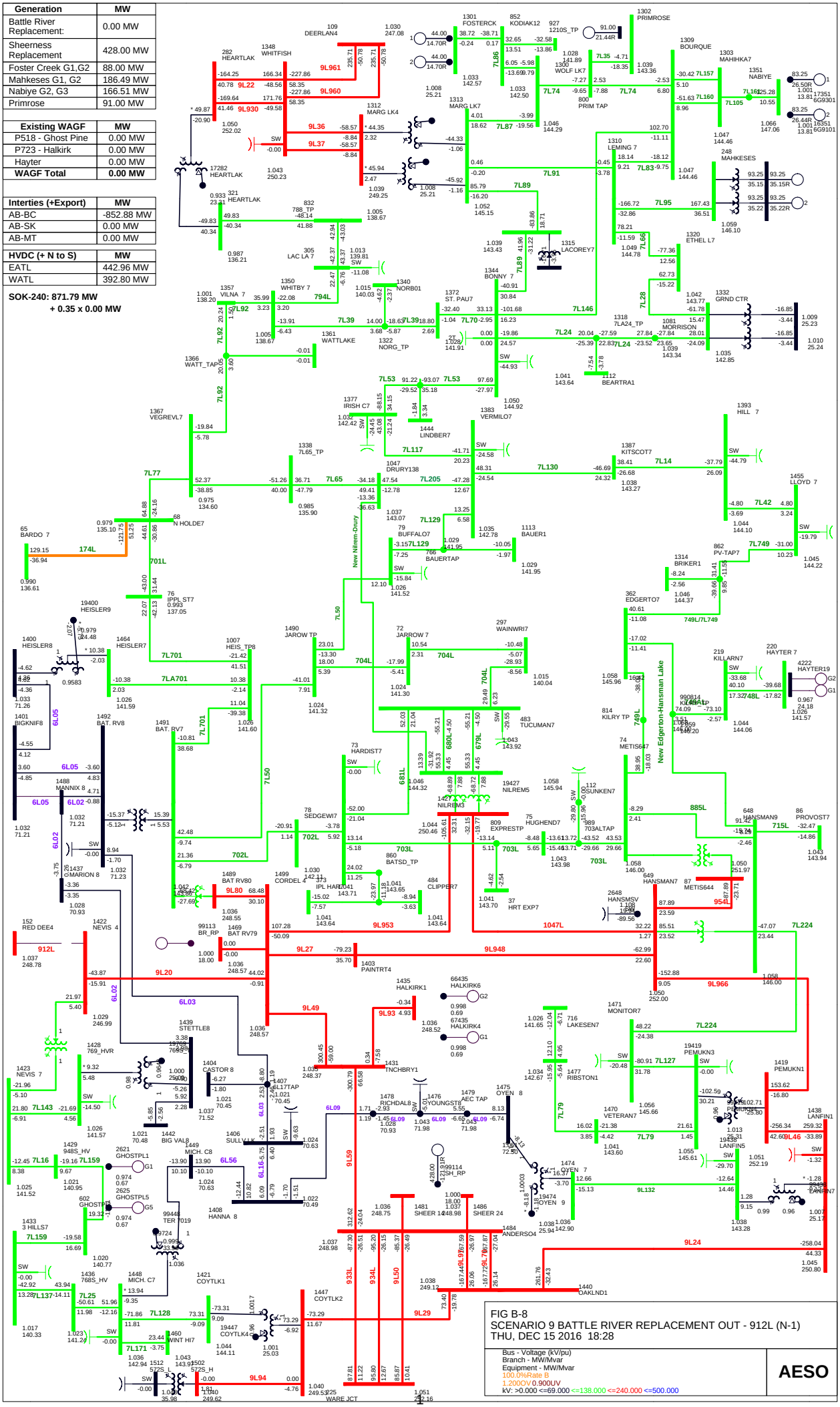


FIG B-8
SCENARIO 9 BATTLE RIVER REPLACEMENT OUT - 912L (N-1)
THU, DEC 15 2016 18:28

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

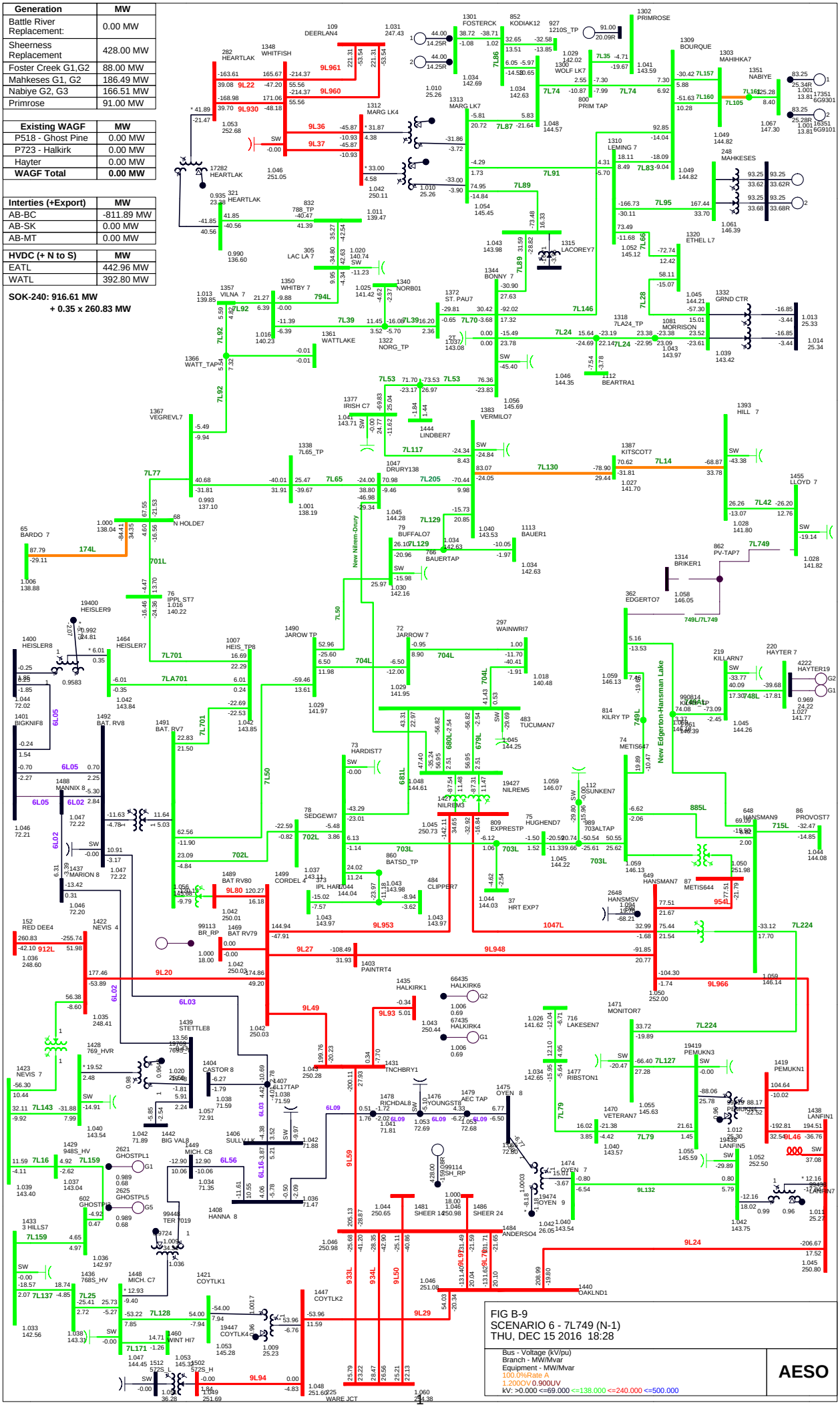
Generation	MW
Battle River Replacement:	0.00 MW
Sheerness Replacement	428.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-811.89 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	442.96 MW
WATL	392.80 MW

SOK-240: 916.61 MW
+ 0.35 x 260.83 MW



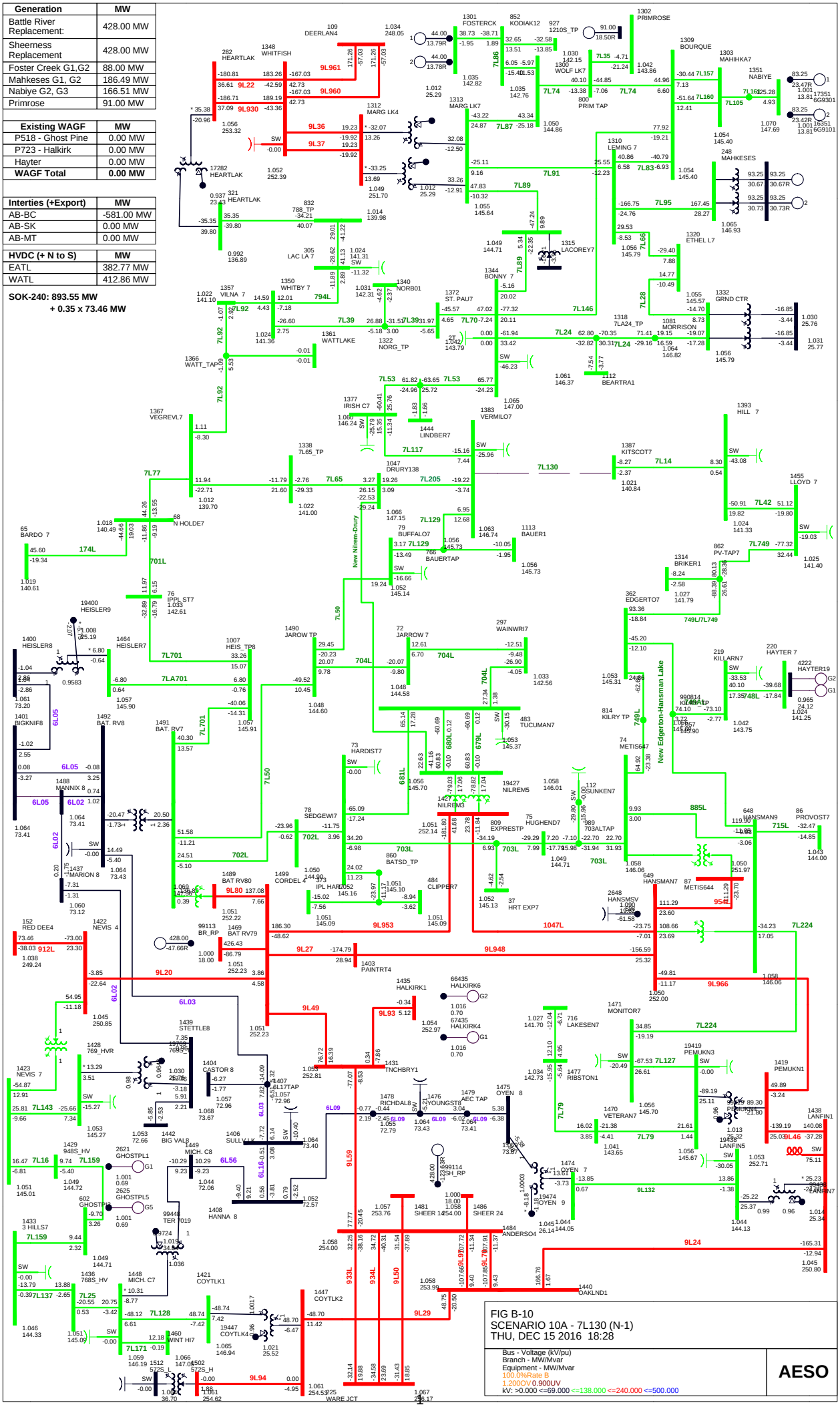
Generation	MW
Battle River Replacement:	428.00 MW
Sheerness Replacement	428.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-581.00 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	382.77 MW
WATL	412.86 MW

SOK-240: 893.55 MW
+ 0.35 x 73.46 MW


DEERLAN4
HEARTLAK
WHITFISH
9L961
9L960
9L22
9L930
9L36
9L37
MARG LK4
MARG LK7
FOSTERCK
KODIAK12
1210S_TP
PRIMROSE
BOURQUE
MAHIHKA7
NABIYE
MAHKESES
WOLF LK7
PRIM TAP
LEMING 7
LACOREY7
BONNY 7
ST. PAU7
VILNA 7
WHITBY 7
NORB01
LAC LA 7
WATTLAKE
NORG_TP
WATT_TAP
VEGREVL7
IRISH C7
LINDBER7
VERMILO7
DRURY138
7L65_TP
BUFFALO7
BAUERTAP
BAUER1
BEARTRA1
KITSCOT7
HILL 7
LLOYD 7
PV-TAP7
BRIKER1
EDGERTO7
KILLARN7
HAYTER 7
HAYTER19
KILARTP
KILARY TP
METIS647
New Edgerton-Hansman Lake
New Nilrem-Drury
BARDO 7
N HOLDE7
IPPL_ST7
HEISLER9
HEISLER8
HEISLER7
HEIS_TP8
JAROW TP
JARROW 7
WAINWRI7
TUCUMAN7
BIGKNIF8
BAT. RV8
BAT. RV7
MANNIX 8
MARION 8
HARDIST7
SEDGEWI7
EXPRESTP
HUGHEND7
NILREM5
NILREM3
CORDEL 4
IPL HAR
BATSD_TP
CLIPPER7
HRT EXP7
SUNKEN7
703ALTAP
HANSMAN9
HANSMAN7
METIS644
PROVOST7
RED DEE4
NEVIS 4
BAT RV80
BAT RV79
PAINTRT4
HALKIRK1
HALKIRK6
HALKIRK4
STETTLE8
769_HVR
NEVIS 7
CASTOR 8
6L17TAP
TINCHBRY1
RICHDAL8
YOUNGST8
AEC TAP
OYEN 8
OYEN 7
OYEN 9
MONITOR7
LAKESEN7
RIBSTON1
VETERAN7
PEMUKN3
PEMUKN1
LANFIN1
LANFIN5
LANFIN7
948S_HV
GHOSTPL1
GHOSTPL5
GHOSTPL7
3 HILLS7
768S_HV
MICH. C7
MICH. C8
BIG VAL8
SULLIVLK
HANNA 8
TER 7019
COYTLK1
COYTLK2
COYTLK4
WINT HI7
5725_L
5725_H
WARE JCT
SHEER 14
SHEER 24
ANDERSO4
OAKLND1
CSH_RP
7L130
7L224
7L1
7L2
7L3
7L4
7L5
7L6
7L7
7L8
7L9
7L10
7L11
7L12
7L13
7L14
7L15
7L16
7L17
7L18
7L19
7L20
7L21
7L22
7L23
7L24
7L25
7L26
7L27
7L28
7L29
7L30
7L31
7L32
7L33
7L34
7L35
7L36
7L37
7L38
7L39
7L40

Generation	MW
Battle River Replacement:	222.00 MW
Sheerness Replacement	0.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-1041.00 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	633.97 MW
WATL	252.36 MW

SOK-240: 858.72 MW
+ 0.35 x 119.19 MW

FIG B-11
SCENARIO 9 SHEERNESS REPLACEMENT OUT - 9L20 (N-1)
THU, DEC 15 2016 18:28

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River Replacement:	0.00 MW
Sheerness Replacement	428.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-840.28 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	503.15 MW
WATL	322.58 MW

SOK-240: 897.29 MW
+ 0.35 x 0.00 MW

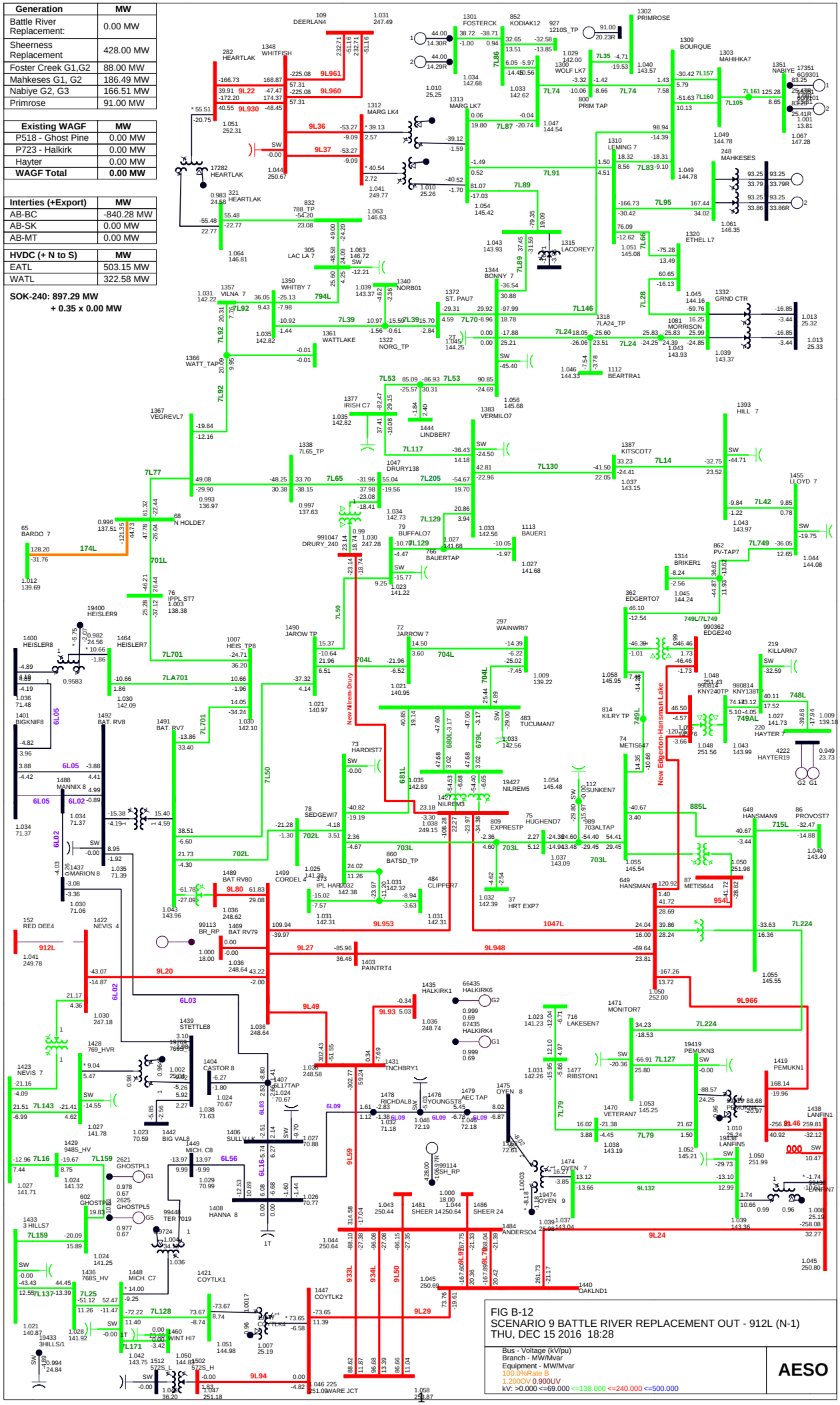


FIG B-12
SCENARIO 9 BATTLE RIVER REPLACEMENT OUT - 912L (N-1)
THU, DEC 15 2016 18:28

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

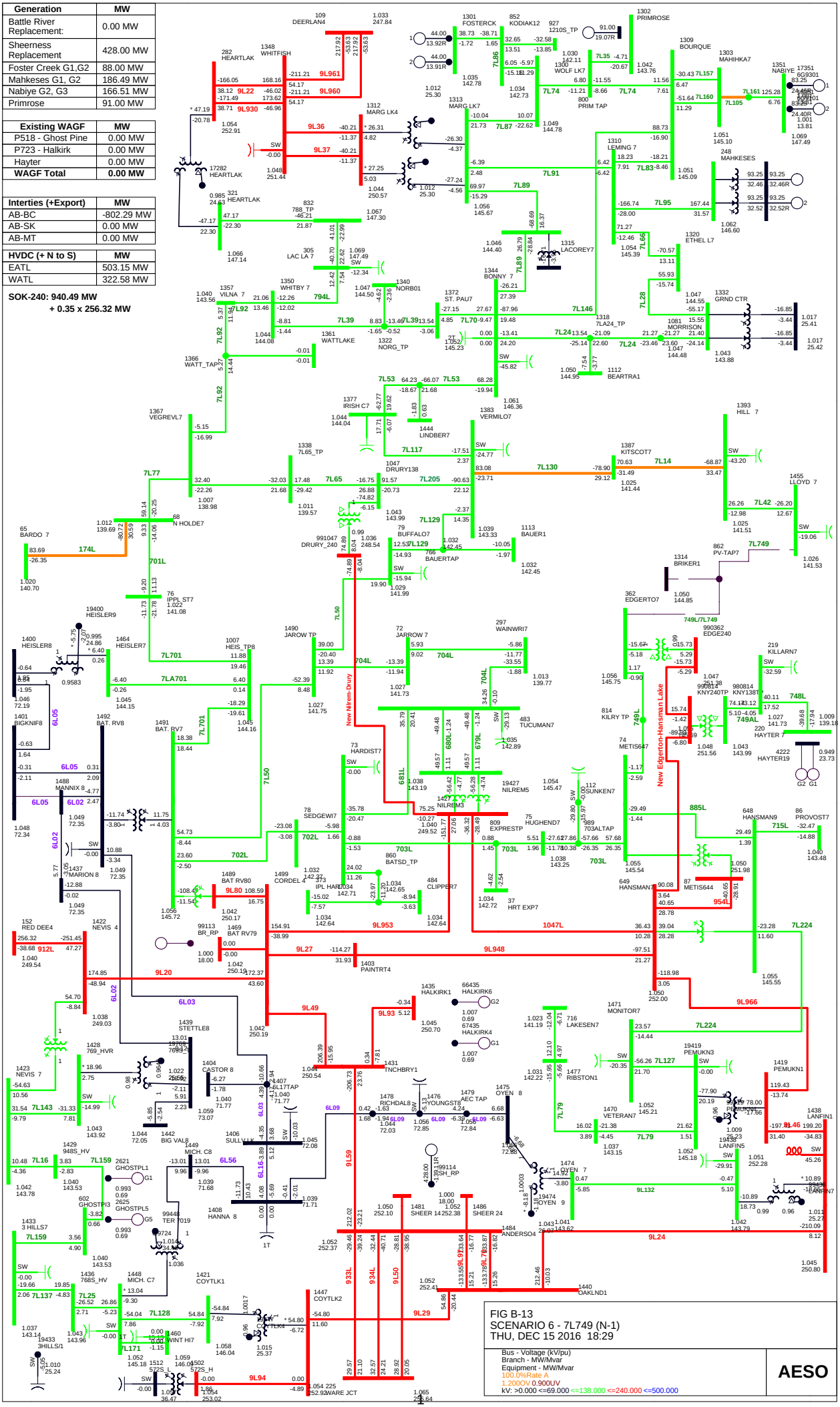
Generation	MW
Battle River Replacement:	0.00 MW
Sheerness Replacement	428.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-802.29 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	503.15 MW
WATL	322.58 MW

SOK-240: 940.49 MW
+ 0.35 x 256.32 MW



Generation	MW
Battle River Replacement:	428.00 MW
Sheerness Replacement	428.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-573.49 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	402.83 MW
WATL	412.86 MW

SOK-240: 886.62 MW
+ 0.35 x 72.49 MW

FIG B-14
SCENARIO 10A - 7L130 (N-1)
THU, DEC 15 2016 18:29

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River Replacement:	222.00 MW
Sheerness Replacement	0.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	186.49 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-1033.03 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	644.03 MW
WATL	252.36 MW

SOK-240: 861.77 MW
+ 0.35 x 119.28 MW

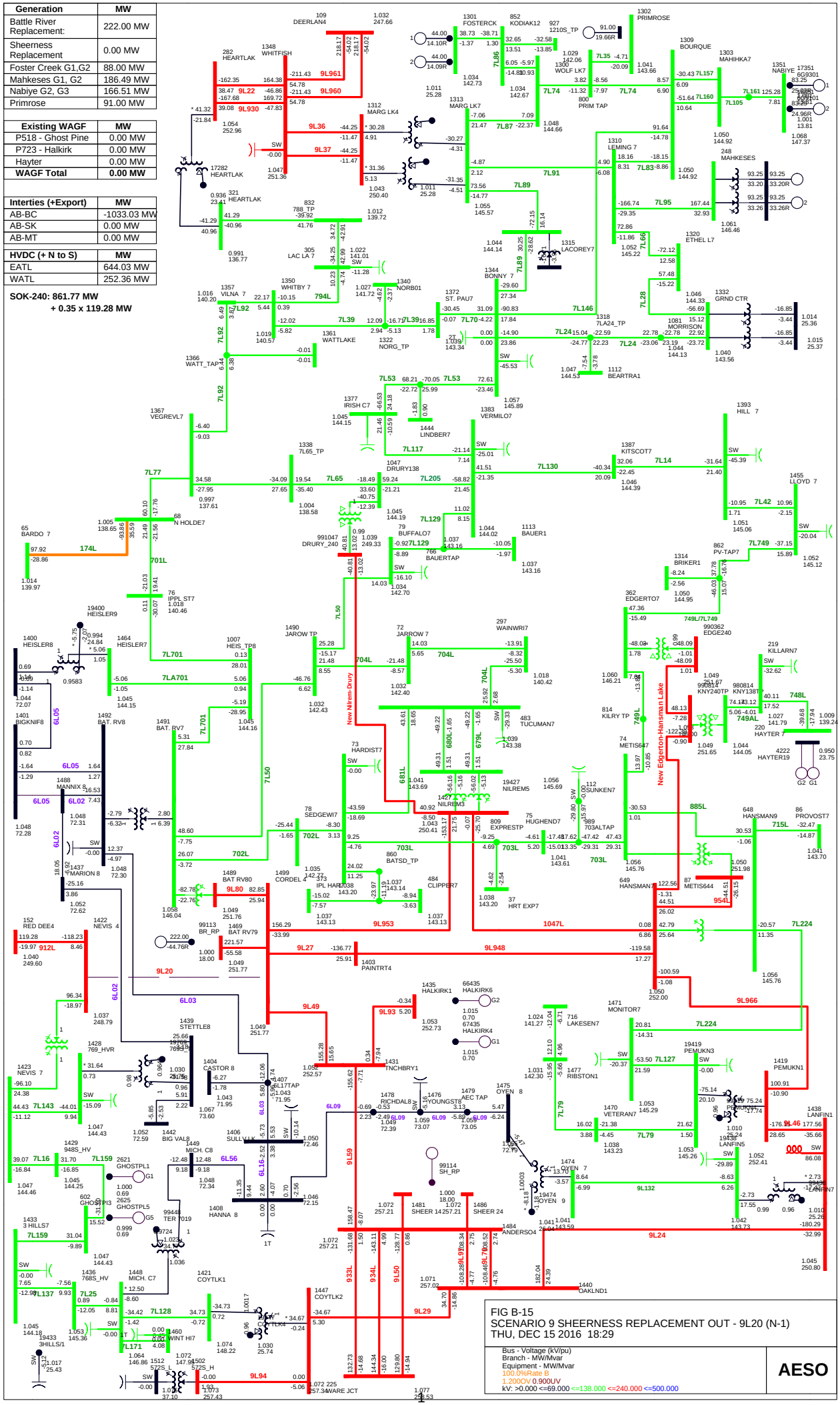


FIG B-15
SCENARIO 9 SHEERNESS REPLACEMENT OUT - 9L20 (N-1)
THU, DEC 15 2016 18:29

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate B
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

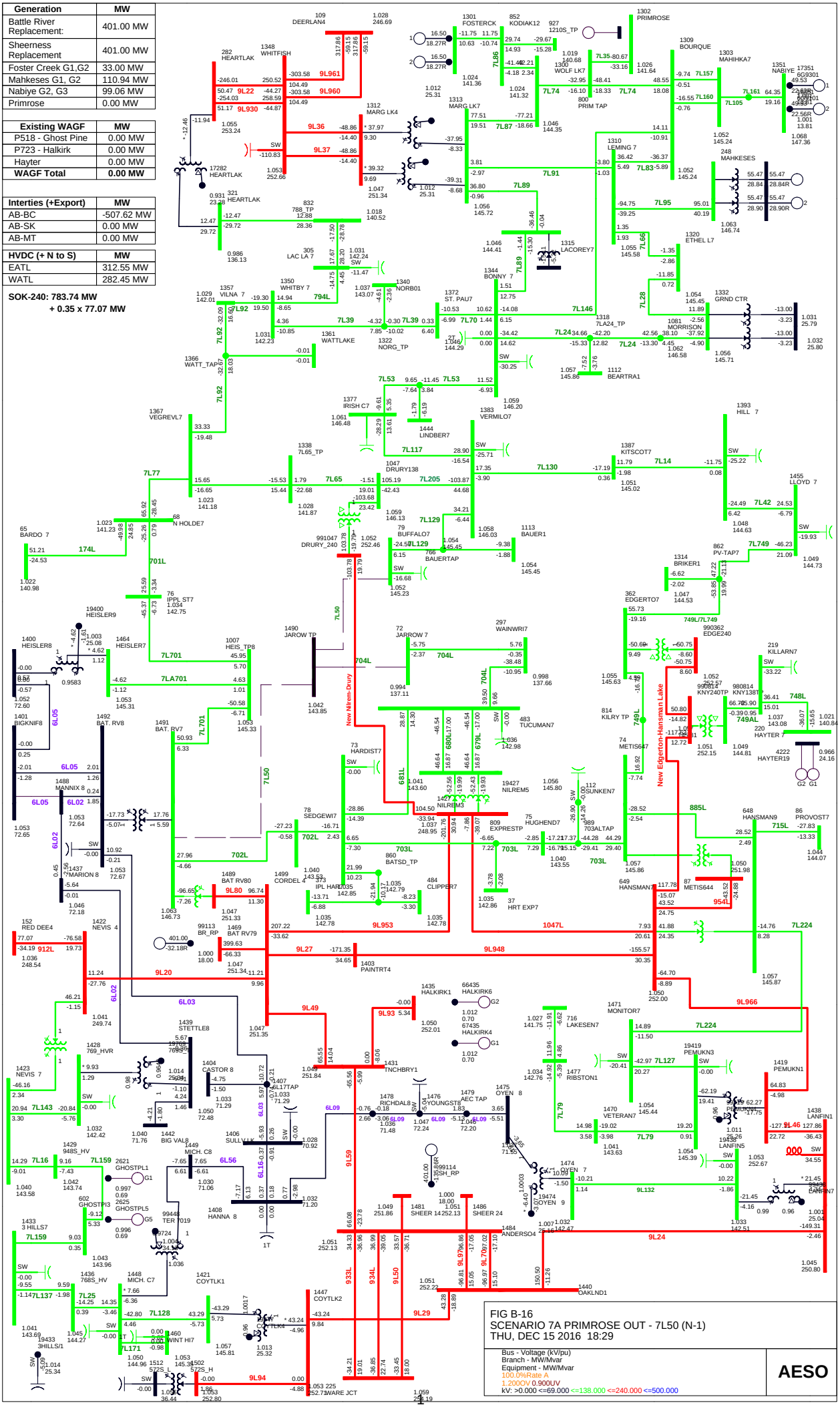
Generation	MW
Battle River Replacement:	401.00 MW
Sheerness Replacement	401.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	0.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-507.62 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	312.55 MW
WATL	282.45 MW

SOK-240: 783.74 MW
+ 0.35 x 77.07 MW



Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	0.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-795.97 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	0.00 MW
WATL	-0.01 MW

SOK-240: 826.90 MW
+ 0.35 x 72.22 MW

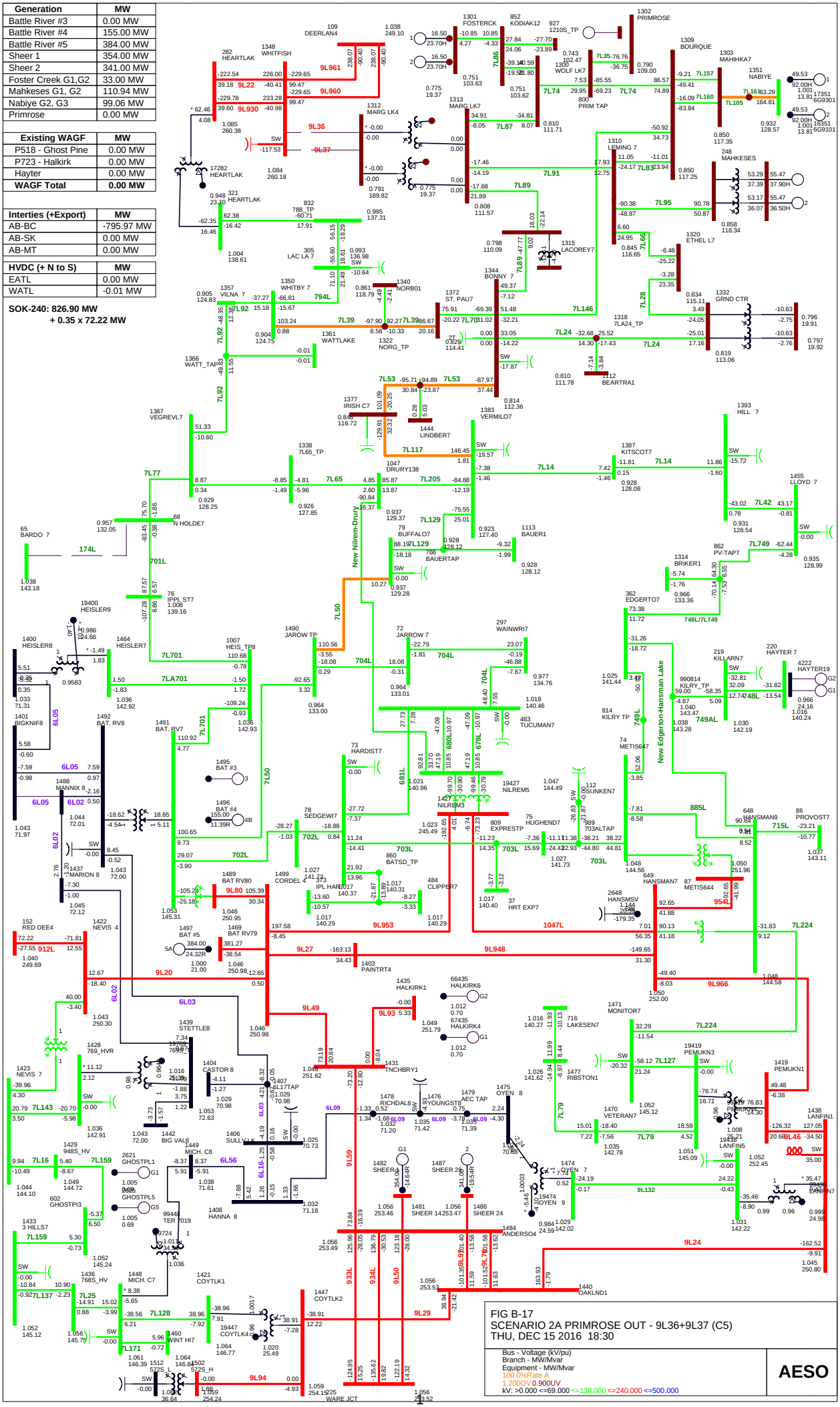


FIG B-17
SCENARIO 2A PRIMROSE OUT - 9L36+9L37 (C5)
THU, DEC 15 2016 18:30

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	354.00 MW
Sheer 2	341.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	0.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-770.04 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	-0.00 MW

SOK-240: 845.56 MW
+ 0.35 x 72.69 MW

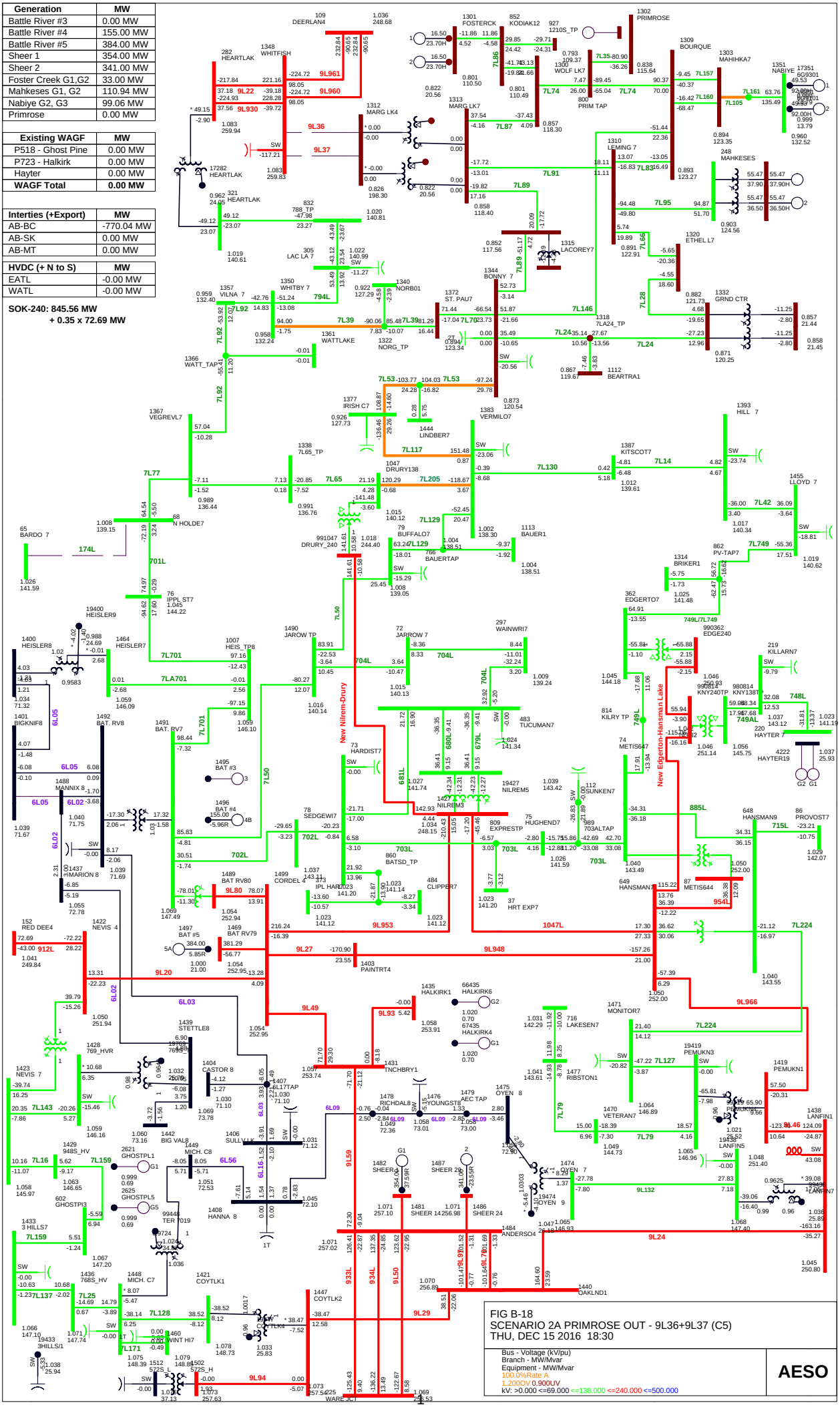


FIG B-18
SCENARIO 2A PRIMROSE OUT - 9L36+9L37 (C5)
THU, DEC 15 2016 18:30

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

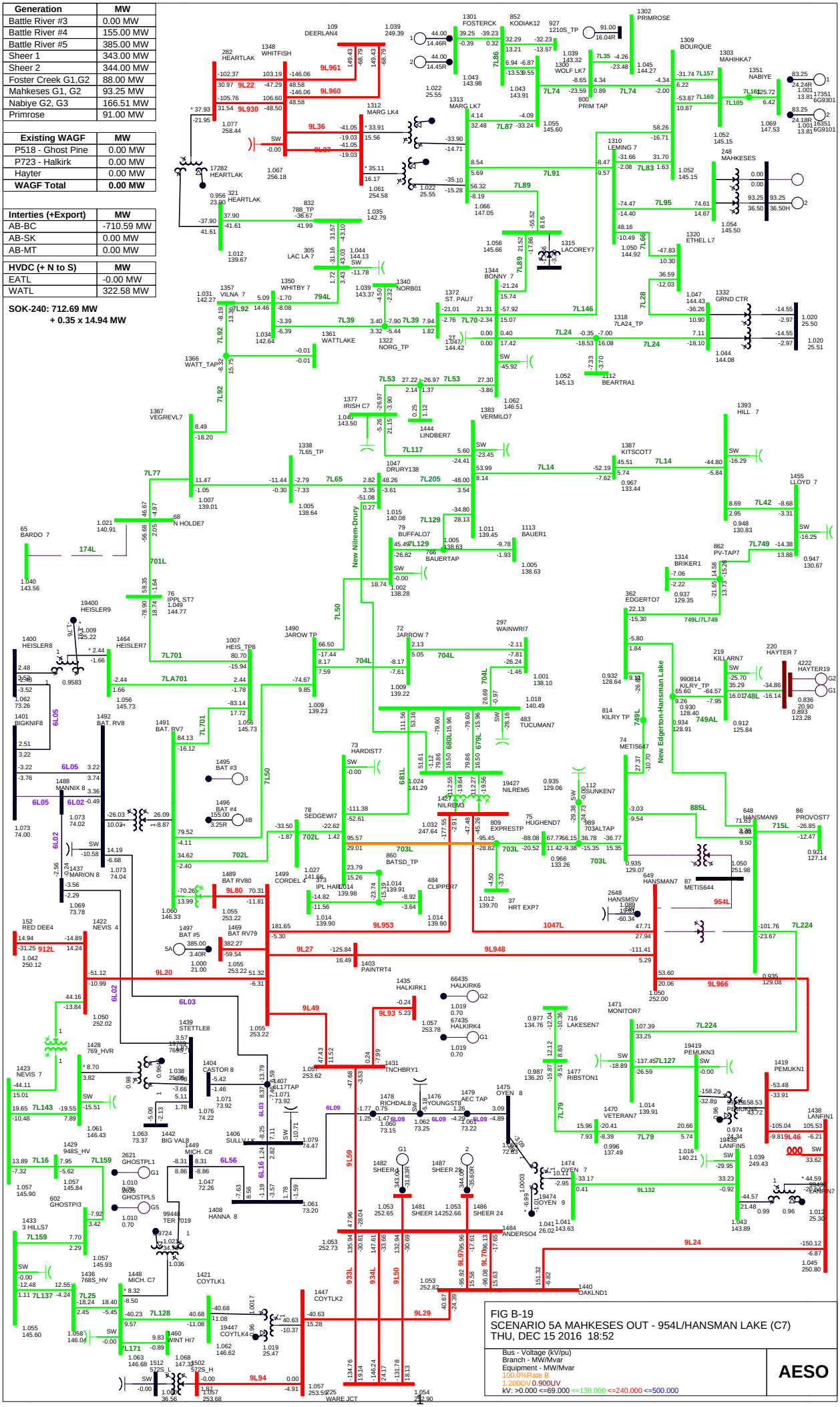
Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	385.00 MW
Sheer 1	343.00 MW
Sheer 2	344.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	93.25 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-710.59 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	322.58 MW

SOK-240: 712.69 MW
+ 0.35 x 14.94 MW



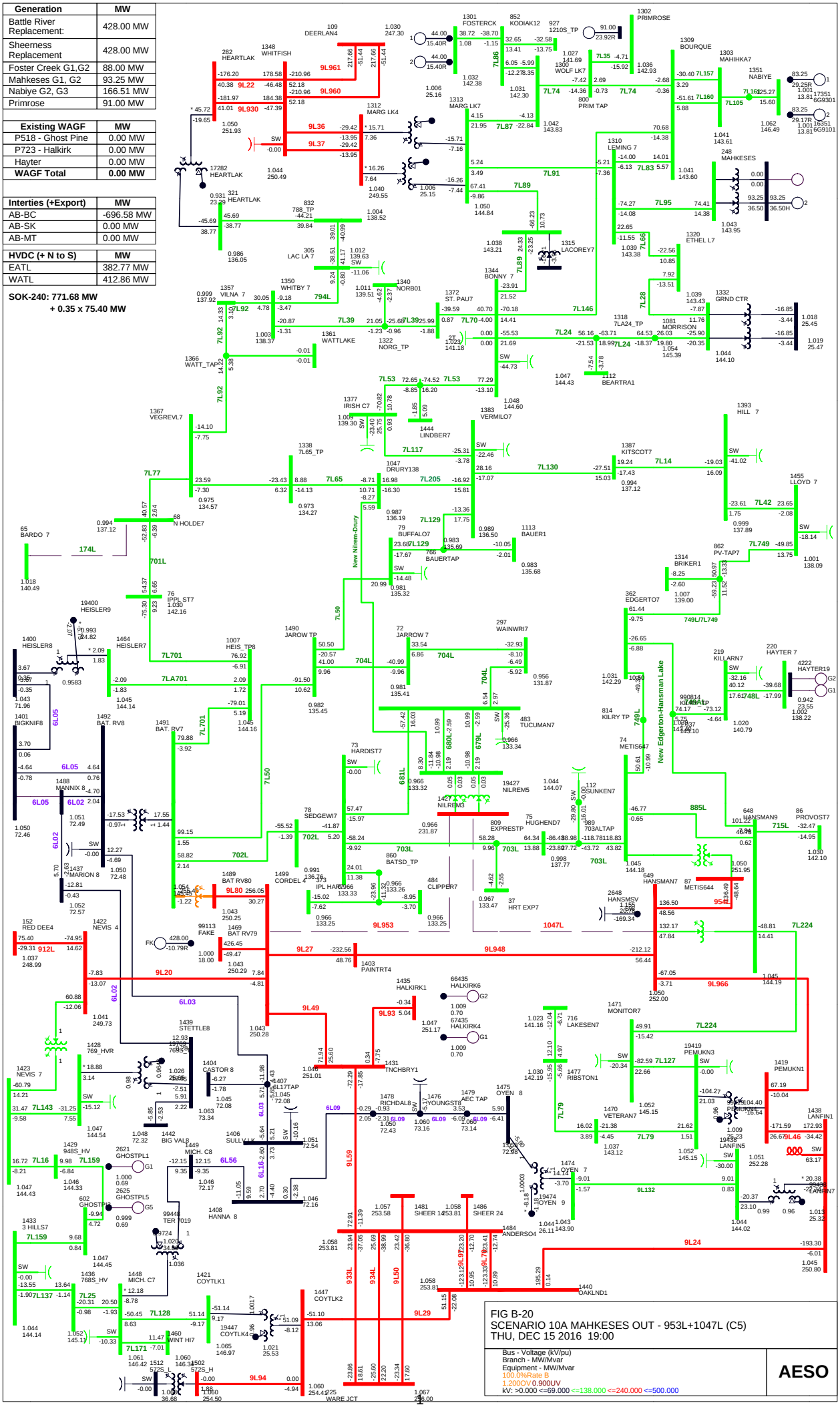
Generation	MW
Battle River Replacement:	428.00 MW
Sheerness Replacement	428.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	93.25 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-696.58 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	382.77 MW
WATL	412.86 MW

SOK-240: 771.68 MW
+ 0.35 x 75.40 MW



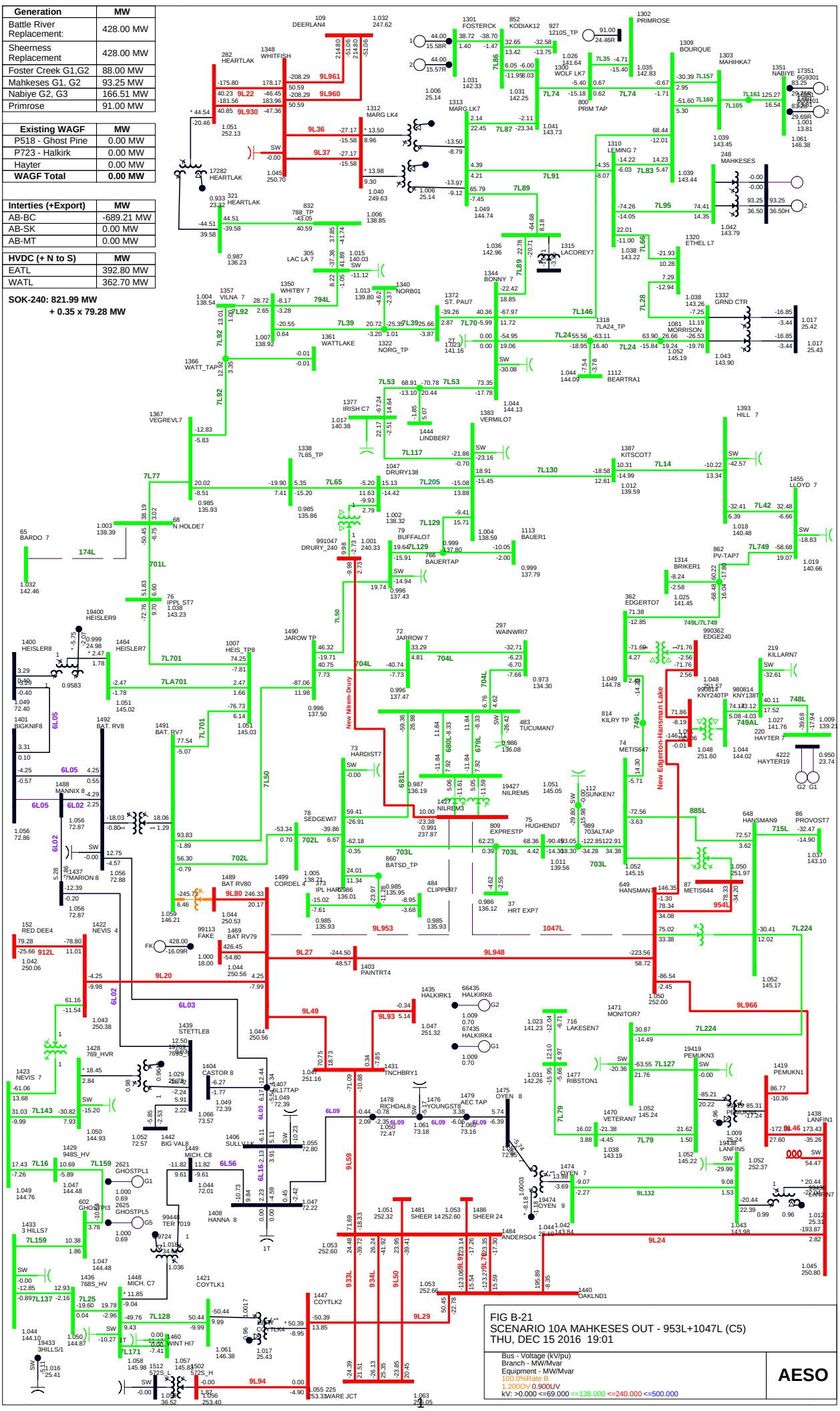
Generation	MW
Battle River Replacement:	428.00 MW
Sheerness Replacement	428.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	93.25 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-689.21 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	392.80 MW
WATL	362.70 MW

SOK-240: 821.99 MW
+ 0.35 x 79.28 MW


DEERLAN4
WHITFISH
HEARTLAK
FOSTERCK
KODIAK12
1210S_TP
PRIMROSE
BOURQUE
MAHIHKA7
NABIYE
MARG LK4
MARG LK7
WOLF LK7
PRIM TAP
LEMING 7
MAHKESES
ETHEL L7
LACOREY7
BONNY 7
ST. PAU7
7LA24_TP
MORRISON
GRND CTR
BEARTRA1
VILNA 7
WHITBY 7
WATTLAKE
NORG_TP
NORB01
WATT_TAP
LAC LA 7
788_TP
VEGREVL7
IRISH C7
LINDBER7
VERMILO7
DRURY138
7L65_TP
BUFFALO7
BAUERTAP
DRURY_240
KITSCOT7
HILL 7
LLOYD 7
EDGE240
PV-TAP7
BRIKER1
EDGERTO7
KILLARN7
KNY240TP
KNY138TP
HAYTER 7
HAYTER19
BARDO 7
N HOLDE7
IPPL_ST7
HEISLER9
HEISLER8
HEISLER7
HEIS_TP8
JAROW TP
JARROW 7
WAINWRI7
BIGKNIF8
BAT. RV8
BAT. RV7
MANNIX 8
MARION 8
SEDGEWI7
HARDIST7
TUCUMAN7
METIS647
KILRY TP
SUNKEN7
HUGHEND7
EXPRESTP
703ALTAP
BATSD_TP
HANSMAN9
HANSMAN7
METIS644
PROVOST7
BAT RV80
BAT RV79
IPL HAR
CORDEL 4
CLIPPER7
HRT EXP7
RED DEE4
NEVIS 4
FAKE
PAINTRT4
HALKIRK1
HALKIRK6
HALKIRK4
STETTLE8
769_HVR
CASTOR 8
TNCHBRY1
RICHDAL8
YOUNGST8
AEC TAP
OYEN 8
MONITOR7
LAKESEN7
RIBSTON1
PEMUKN3
PEMUKN1
VETERAN7
LANFIN1
LANFIN5
LANFIN7
OYEN 7
OYEN 9
948S_HV
GHOSTPL1
GHOSTPL3
GHOSTPL5
TER 7019
3 HILLS7
768S_HV
MICH. C8
MICH. C7
HANNA 8
SULLIVAN
COYTLK1
COYTLK2
COYTLK4
3HILLS/1
WINT HI7
5725_L
5725_H
WARE JCT
SHEER 14
SHEER 24
ANDERSO4
OAKLND1
PAINTRT4
7L16
7L159
7L143
7L25
7L137
7L171
7L128
7L79
7L224
7L127
7L146
7L24
7L95
7L83
7L105
7L160
7L157
7L161
7L42
7L749
7L14
7L130
7L117
7L129
7L205
7L65
7L39
7L92
7L77
7L701
7LA701
7L50
7L89
7L91
7L87
7L74
7L86
7L35
7L28
7L66
7L70
7L53
7L24
7L83
7L95

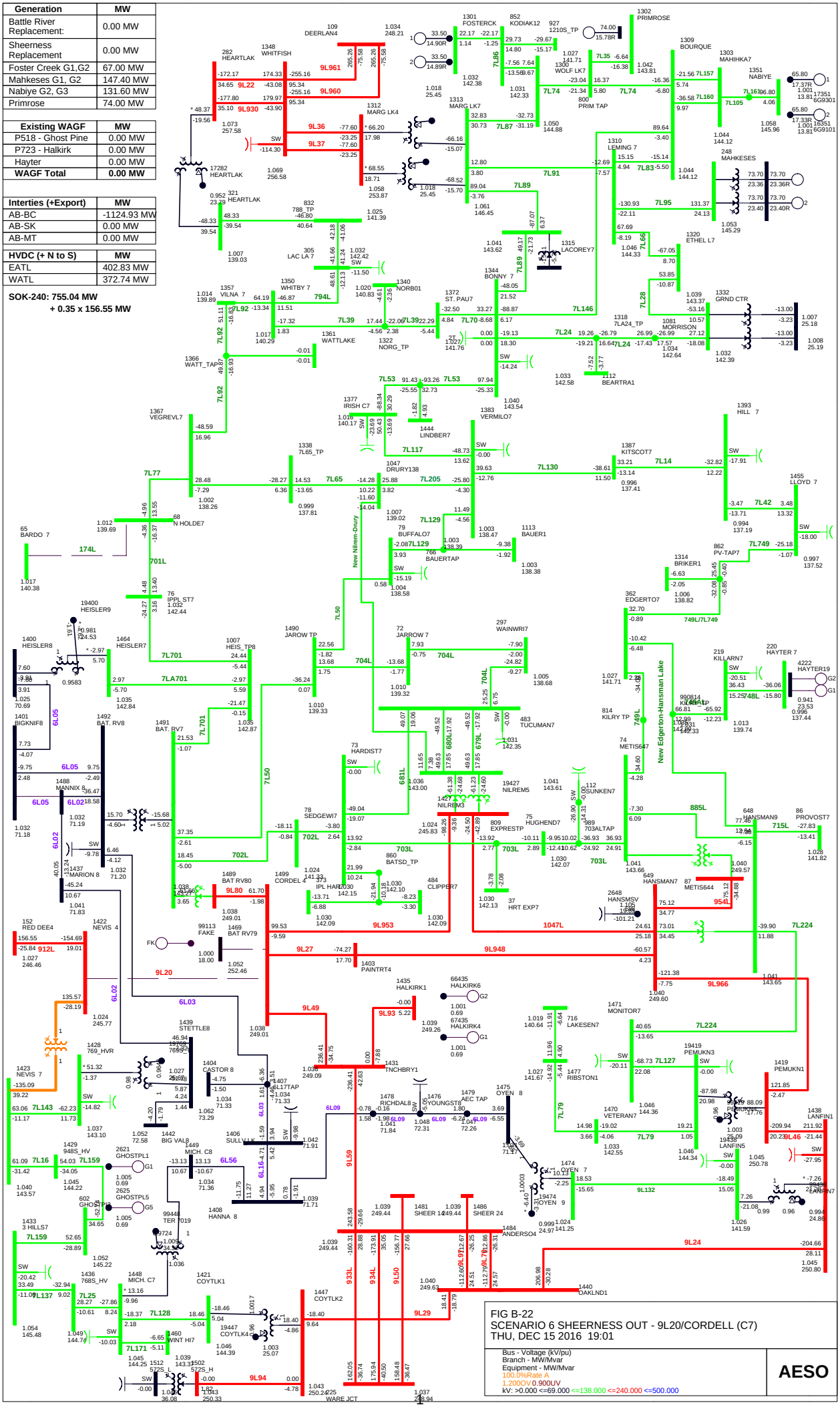
Generation	MW
Battle River Replacement:	0.00 MW
Sheerness Replacement	0.00 MW
Foster Creek G1,G2	67.00 MW
Mahkeses G1, G2	147.40 MW
Nabiye G2, G3	131.60 MW
Primrose	74.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-1124.93 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	402.83 MW
WATL	372.74 MW

SOK-240: 755.04 MW
+ 0.35 x 156.55 MW



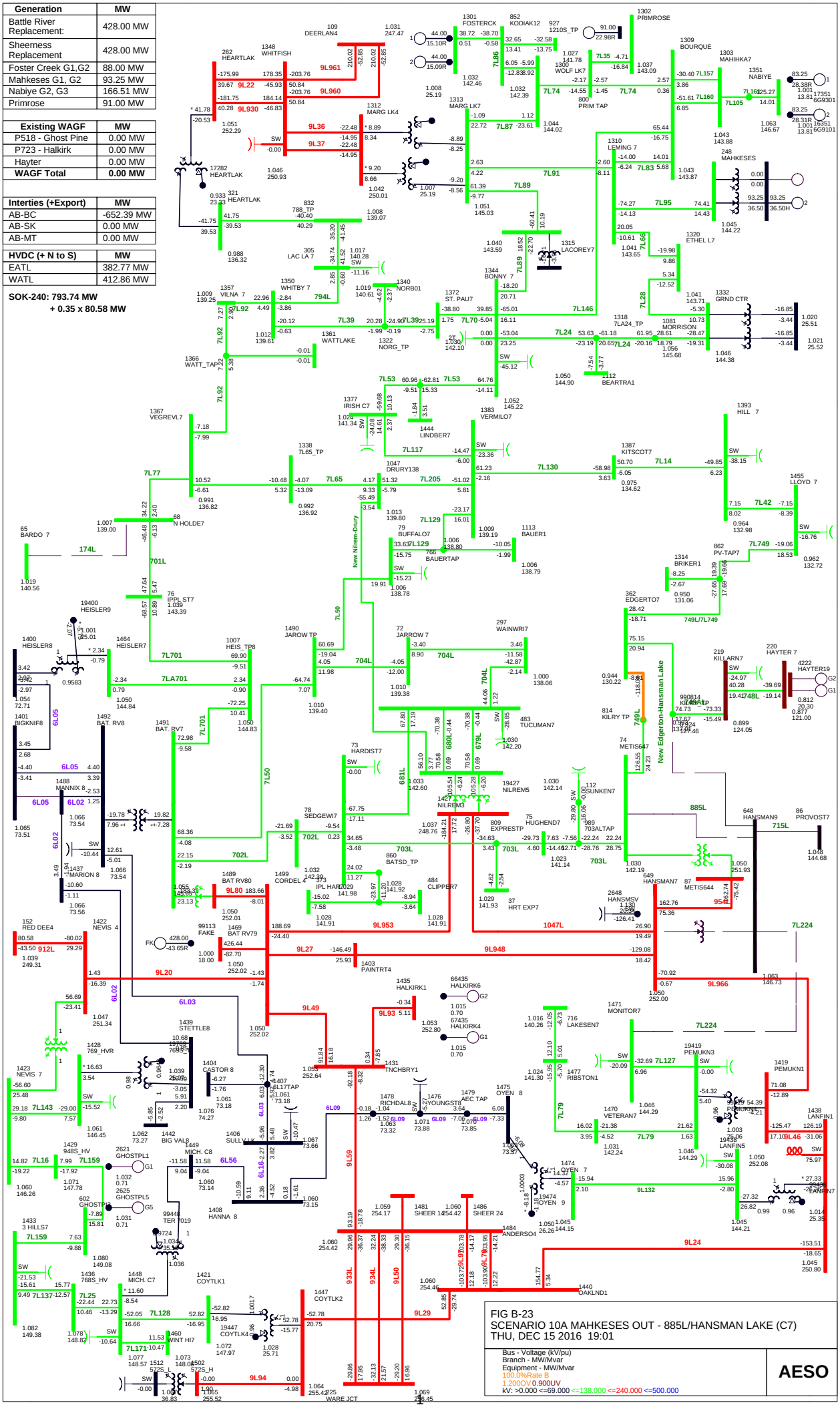
Generation	MW
Battle River Replacement:	428.00 MW
Sheerness Replacement	428.00 MW
Foster Creek G1,G2	88.00 MW
Mahkeses G1, G2	93.25 MW
Nabiye G2, G3	166.51 MW
Primrose	91.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-652.39 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	382.77 MW
WATL	412.86 MW

SOK-240: 793.74 MW
+ 0.35 x 80.58 MW



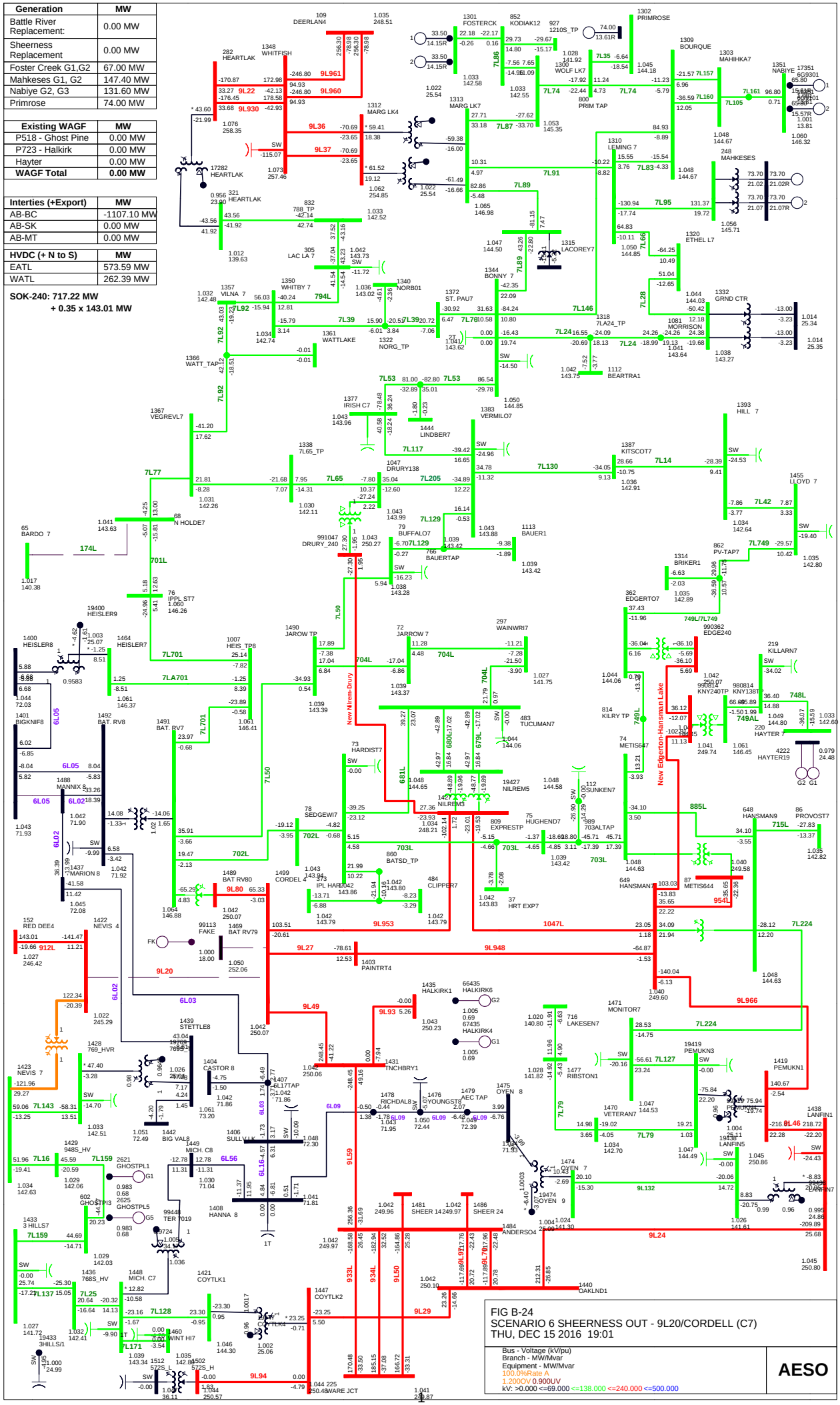
Generation	MW
Battle River Replacement:	0.00 MW
Sheerness Replacement	0.00 MW
Foster Creek G1,G2	67.00 MW
Mahkeses G1, G2	147.40 MW
Nabiye G2, G3	131.60 MW
Primrose	74.00 MW

Existing WAGF	MW
P518 - Ghost Pine	0.00 MW
P723 - Halkirk	0.00 MW
Hayter	0.00 MW
WAGF Total	**0.00 MW**

Interties (+Export)	MW
AB-BC	-1107.10 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	573.59 MW
WATL	262.39 MW

SOK-240: 717.22 MW
+ 0.35 x 143.01 MW



PENV – APPENDIX C

Generation Capacity Analysis and Power Flow Single Line Diagrams

Table C-1: Power Flow Plots –Category A (Estimation of Wind Integration Capability)

Figure	Scenario	Alternative	7L53, 7L92 , 174L Status	Drury (MW)	Edgerton (MW)	Total (MW)
C-1	Scenario 02	Alternative 1 (138kV)	Closed	60	230	290
C-2	Scenario 02	Alternative 1 (138kV)	Closed	30	320	350
C-3	Scenario 02	Alternative 1 (138kV)	Closed	30	350	380
C-4	Scenario 02	Alternative 2 (240kv @ 138kV)	Closed	60	230	290
C-5	Scenario 02	Alternative 2 (240kv @ 138kV)	Closed	30	320	350
C-6	Scenario 02	Alternative 2 (240kv @ 138kV)	Closed	30	350	380
C-7	Scenario 02	Alternative 2 Sensitivity (240 kV @ 240 kV)	Closed	30	350	380
C-8	Scenario 03	Alternative 1 (138kV)	Open	170	240	410
C-9	Scenario 03	Alternative 1 (138kV)	Open	200	320	520
C-10	Scenario 03	Alternative 2 (240kv @ 138kV)	Open	170	240	410
C-11	Scenario 03	Alternative 2 (240kv @ 138kV)	Open	200	320	520
C-12	Scenario 03	Alternative 2 Sensitivity (240 kV @ 240 kV)	Open	300	560	860
C-13	Scenario 03	Alternative 2 Sensitivity (240 kV @ 240 kV)	Open	300	580	880
C-14	Scenario 03	Alternative 2 Sensitivity (240 kV @ 240 kV)	Open	300	650	350

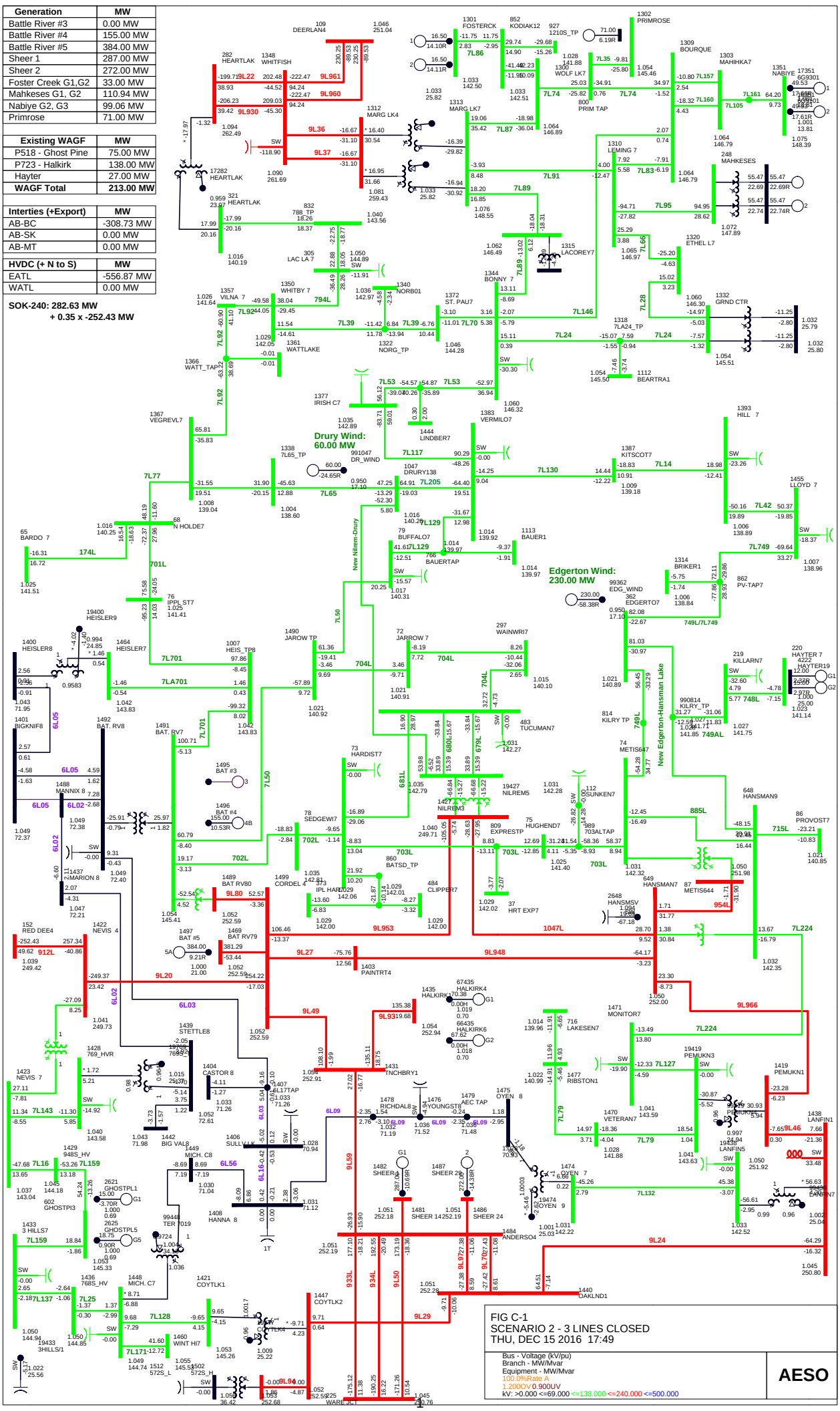
Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 2	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	-308.73 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-556.87 MW
WATL	0.00 MW

SOK-240: 282.63 MW
+ 0.35 x -252.43 MW


Drury Wind:
60.00 MW
Edgerton Wind:
230.00 MW
New Nilrem-Drury
New Edgerton-Hansman Lake
109 DEERLAN4
282 HEARTLAK
1348 WHITFISH
1301 FOSTERCK
852 KODIAK12
927 1210S_TP
1302 PRIMROSE
1309 BOURQUE
1303 MAHIHKA7
1351 NABIYE
800 PRIM TAP
1300 WOLF LK7
1312 MARG LK4
1313 MARG LK7
17282 HEARTLAK
321 HEARTLAK
832 788_TP
1310 LEMING 7
248 MAHKESES
1320 ETHEL L7
1315 LACOREY7
305 LAC LA 7
1350 WHITBY 7
1340 NORB01
1357 VILNA 7
1372 ST. PAU7
1344 BONNY 7
1318 7L424_TP
1332 GRND CTR
1366 WATT_TAP
1361 WATTLAKE
1322 NORG_TP
1112 BEARTRA1
1377 IRISH C7
1367 VEGREVL7
1444 LINDBER7
1383 VERMILO7
1338 7L65_TP
991047 DR_WIND
1047 DRURY138
1387 KITSCOT7
1393 HILL 7
1455 LLOYD 7
65 BARDO 7
68 N HOLDE7
79 BUFFALO7
766 BAUERTAP
1113 BAUER1
99362 EDG_WIND
362 EDGERTO7
1314 BRIKER1
862 PV-TAP7
76 IPPL_ST7
19400 HEISLER9
1400 HEISLER8
1464 HEISLER7
1007 HEIS_TP8
1490 JAROW TP
72 JARROW 7
297 WAINWRI7
219 KILLARN7
220 HAYTER 7
4222 HAYTER19
990814 KILRY_TP
814 KILRY TP
1401 BIGKNIF8
1492 BAT. RV8
1491 BAT. RV7
1495 BAT #3
1496 BAT #4
1488 MANNIX 8
1437 MARION 8
73 HARDIST7
483 TUCUMAN7
74 METIS647
19427 NILREM5
19428 NILREM3
112 SUNKEN7
809 EXPRESTP
703ALTAP
75 HUGHEND7
78 SEDGEWI7
860 BATSD_TP
484 CLIPPER7
37 HRT EXP7
2648 HANSMSV
649 HANSMAN7
87 METIS644
648 HANSMAN9
86 PROVOST7
152 RED DEE4
1422 NEVIS 4
1497 BAT #5
1469 BAT RV79
1489 BAT RV80
1499 CORDEL 4
1403 PAINTRT4
67435 HALKIRK4
66435 HALKIRK6
1435 HALKIRK
1471 MONITOR7
716 LAKESEN7
1423 NEVIS 7
1428 769_HVR
1439 STETTLE8
1404 CASTOR 8
1431 TNCHBRY1
1478 RICHDAL8
1476 YOUNGST8
1479 AEC TAP
1475 OYEN 8
1477 RIBSTON1
1470 VETERAN7
19419 PEMUKN3
1419 PEMUKN1
1438 LANFIN1
1442 BIG VAL8
1406 SULLIVK
1449 MICH. C8
1429 948S_HV
2621 GHOSTPL1
2625 GHOSTPL5
602 GHOSTPI3
1408 HANNA 8
1482 SHEER 1
1487 SHEER 2
1481 SHEER 1
1486 SHEER 2
1474 OYEN 7
19474 OYEN 9
1484 ANDERSO4
1433 3 HILLS7
1436 768S_HV
1448 MICH. C7
1421 COYTLK1
1447 COYTLK2
1460 WINT HI7
19433 3HILLS/1
1512 572S_L
1502 572S_H
WARE JCT
1440 OAKLND1
1035 142.89
1046 251.04
1090 261.69
1094 262.49
1081 259.43
1033 25.82
1062 146.49
1064 146.89
1054 145.46
1064 146.79
1075 148.39
1072 147.89
1065 146.97
1060 146.30
1054 145.50
1054 145.51
1060 146.32
1016 140.19
1026 141.64
1029 142.05
1036 142.97
1040 143.56
1050 144.89
1081 259.43
1076 148.55
1062 146.49
1064 146.89
1033 142.50
1033 142.51
1028 141.88
1064 146.79
1075 148.39
1072 147.89
1065 146.97
1060 146.30
1054 145.50
1054 145.51
1060 146.32
1035 142.89
1029 142.05
1036 142.97
1040 143.56
1050 144.89
1016 140.19
1026 141.64
1090 261.69
1094 262.49
1081 259.43
1033 25.82
1062 146.49
1064 146.89
1054 145.46

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 2	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	-259.33 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-556.87 MW
WATL	-0.00 MW

SOK-240: 287.71 MW
+ 0.35 x -269.96 MW

Drury Wind:
30.00 MW

Edgerton Wind:
320.00 MW

New Nilrem-Drury

New Edgerton-Hansman Lake

FIG C-2
SCENARIO 2 - 3 LINES CLOSED
THU, DEC 15 2016 17:49

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 2	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	-239.22 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-556.87 MW
WATL	0.00 MW

SOK-240: 284.05 MW
+ 0.35 x -280.64 MW

Drury Wind: 30.00 MW

Edgerton Wind: 350.00 MW

FIG C-3
SCENARIO 2 - 3 LINES CLOSED
THU, DEC 15 2016 17:49

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 2	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	-305.27 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-556.87 MW
WATL	0.00 MW

SOK-240: 286.41 MW
+ 0.35 x -251.56 MW

Drury Wind: 60.00 MW

Edgerton Wind: 230.00 MW

New Nilrem-Drury

New Edgerton-Hansman Lake

FIG C-4
SCENARIO 2 - 3 LINES CLOSED
THU, DEC 15 2016 17:50

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 2	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	-259.33 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-556.87 MW
WATL	-0.00 MW

SOK-240: 287.71 MW
+ 0.35 x -269.96 MW

Drury Wind: 30.00 MW

Edgerton Wind: 320.00 MW

New Nilrem-Drury

New Edgerton-Hansman Lake

FIG C-5
SCENARIO 2 - 3 LINES CLOSED
THU, DEC 15 2016 17:50

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 2	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	-235.25 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-556.87 MW
WATL	-0.00 MW

SOK-240: 283.38 MW
+ 0.35 x -282.85 MW

Drury Wind: 30.00 MW

Edgerton Wind: 350.00 MW

FIG C-6
SCENARIO 2 - 3 LINES CLOSED
THU, DEC 15 2016 17:50

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 29	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	-227.31 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-528.01 MW
WATL	0.00 MW

SOK-240: 264.01 MW
+ 0.35 x -284.15 MW

Drury Wind: 30.00 MW

Edgerton Wind: 350.00 MW

FIG C-7
SCENARIO 2 - 3 LINES CLOSED
THU, DEC 15 2016 19:10

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	154.00 MW
Battle River #5	369.00 MW
Sheer 1	143.00 MW
Sheer 2	143.00 MW
Foster Creek G1,G2	36.00 MW
Mahkeses G1, G2	92.98 MW
Nabiye G2, G3	83.02 MW
Primrose	78.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	808.02 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-459.40 MW
WATL	-0.00 MW

SOK-240: 391.33 MW
+ 0.35 x -422.00 MW

Drury Wind: 170.00 MW

Edgerton Wind: 240.00 MW

New Nilrem-Drury

New Edgerton-Hansman Lake

FIG C-8
SCENARIO 3 - 3 LINES OPEN
THU, DEC 15 2016 17:50

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	154.00 MW
Battle River #5	369.00 MW
Sheer 1	143.00 MW
Sheer 2	143.00 MW
Foster Creek G1,G2	36.00 MW
Mahkeses G1, G2	92.98 MW
Nabiye G2, G3	83.02 MW
Primrose	78.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	890.21 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-459.40 MW
WATL	0.00 MW

SOK-240: 391.40 MW
+ 0.35 x -461.68 MW

Drury Wind:
200.00 MW

Edgerton Wind:
320.00 MW

FIG C-9
SCENARIO 3 - 3 LINES OPEN
THU, DEC 15 2016 17:51

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	154.00 MW
Battle River #5	369.00 MW
Sheer 1	143.00 MW
Sheer 2	143.00 MW
Foster Creek G1,G2	36.00 MW
Mahkeses G1, G2	92.98 MW
Nabiye G2, G3	83.02 MW
Primrose	78.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	810.44 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-459.40 MW
WATL	-0.00 MW

SOK-240: 391.35 MW
+ 0.35 x -423.56 MW

Drury Wind:
170.00 MW

Edgerton Wind:
240.00 MW

New Edgerton-Hansman Lake

New Nilrem-Drury

FIG C-10
SCENARIO 3 - 3 LINES OPEN
THU, DEC 15 2016 17:51

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	154.00 MW
Battle River #5	369.00 MW
Sheer 1	143.00 MW
Sheer 2	143.00 MW
Foster Creek G1,G2	36.00 MW
Mahkeses G1, G2	92.98 MW
Nabiye G2, G3	83.02 MW
Primrose	78.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	891.36 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-459.40 MW
WATL	0.00 MW

SOK-240: 391.41 MW
+ 0.35 x -462.60 MW

Drury Wind:
200.00 MW

Edgerton Wind:
320.00 MW

New Edgerton-Hansman Lake

New Nilrem-Drury

FIG C-11
SCENARIO 3 - 3 LINES OPEN
THU, DEC 15 2016 17:51

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 29	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	135.66 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-958.87 MW
WATL	-0.00 MW

SOK-240: 553.53 MW
+ 0.35 x -451.80 MW

Drury Wind: 300.00 MW

Edgerton Wind: 560.00 MW

FIG C-12
SCENARIO 3 - 3 LINES OPEN
THU, DEC 15 2016 19:10

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 29	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	161.27 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-958.87 MW
WATL	-0.00 MW

SOK-240: 553.52 MW
+ 0.35 x -463.41 MW

Drury Wind: 300.00 MW

Edgerton Wind: 580.00 MW

FIG C-13
SCENARIO 3 - 3 LINES OPEN
THU, DEC 15 2016 19:11

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 29	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	220.73 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-958.87 MW
WATL	0.00 MW

SOK-240: 553.48 MW
+ 0.35 x -490.77 MW

Drury Wind: 300.00 MW

Edgerton Wind: 650.00 MW

FIG C-14
SCENARIO 3 - 3 LINES OPEN
THU, DEC 15 2016 19:11

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

PENV – APPENDIX D

Voltage Stability Results

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Alternative 2@ 240 kV 2037, Category C, Voltage Stability Plots 38

Prior to PENV Development 2021, Voltage Stability Plots

Figure D-1: PV Plots for 2021 Prior to PENV Development under System Normal Condition

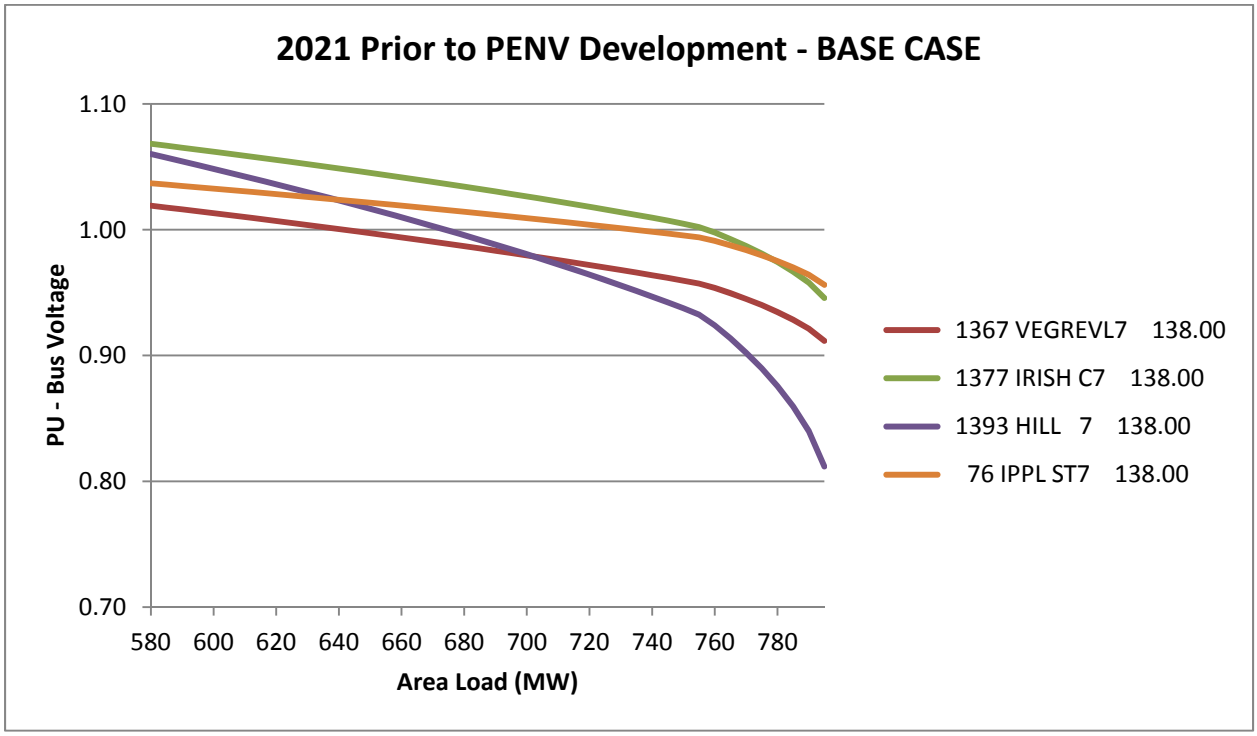


Figure D-2: PV Plots for 2021 Prior to PENV Development under 7L130 Contingency

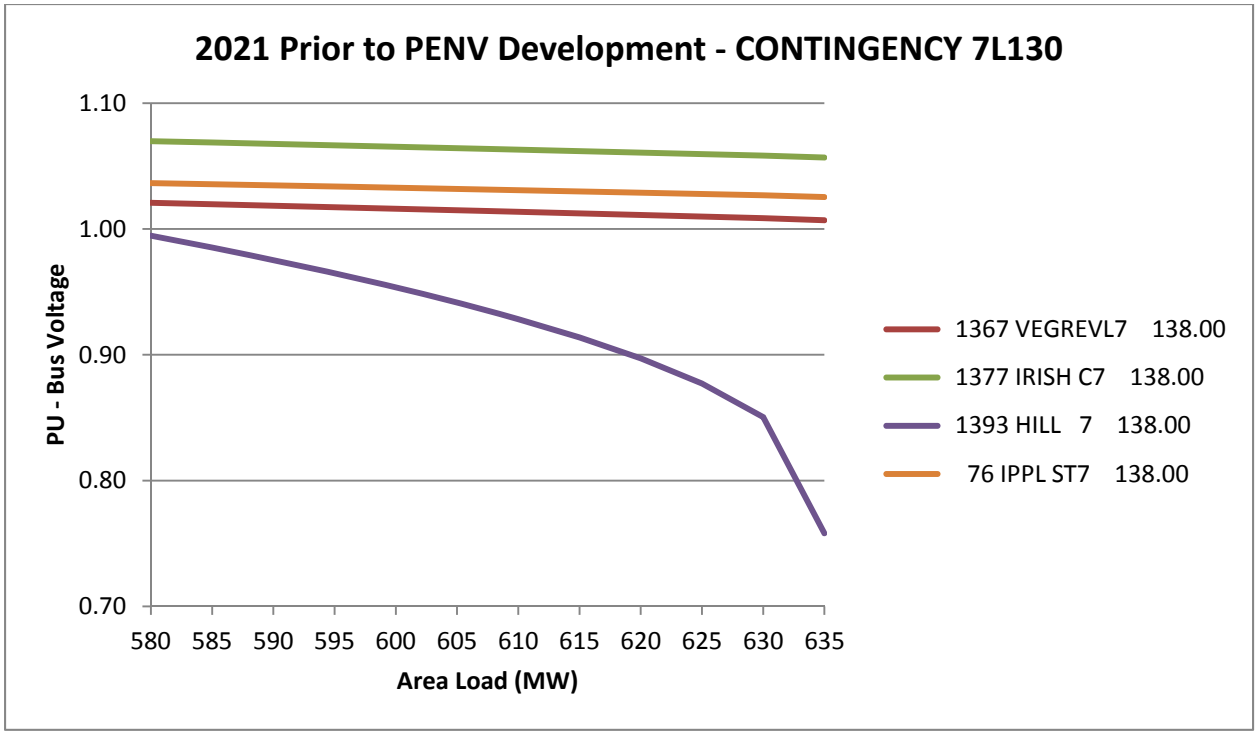


Figure D-3: PV Plots for 2021 Prior to PENV Development under 7L53 Contingency

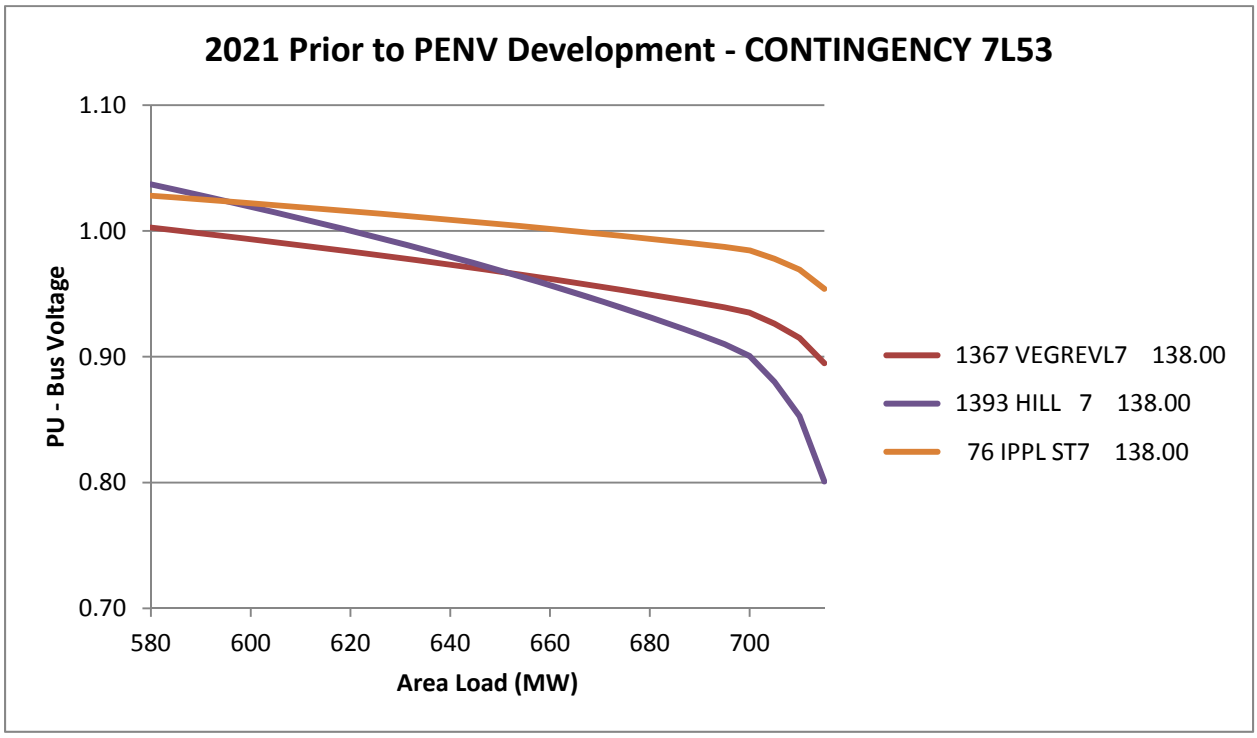


Figure D-4: PV Plots for 2021 Prior to PENV Development under 7L701 Contingency

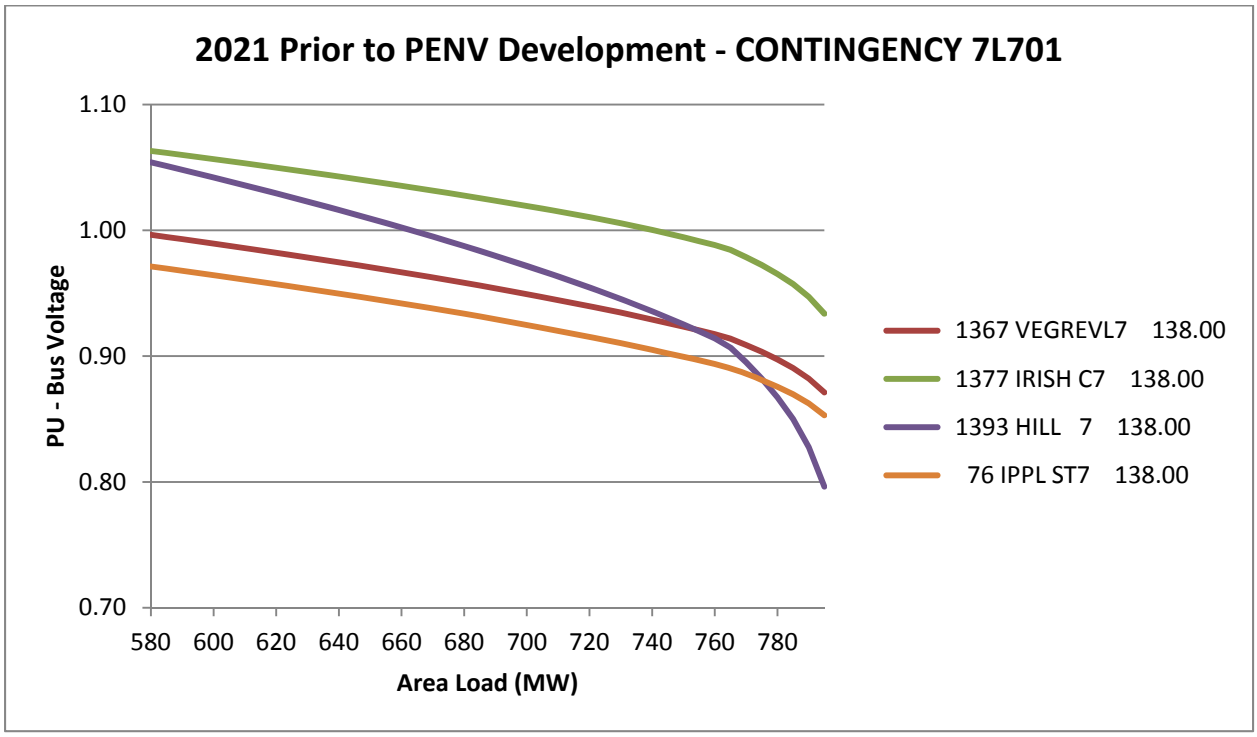


Figure D-5: PV Plots for 2021 Prior to PENV Development under 9L46 Contingency

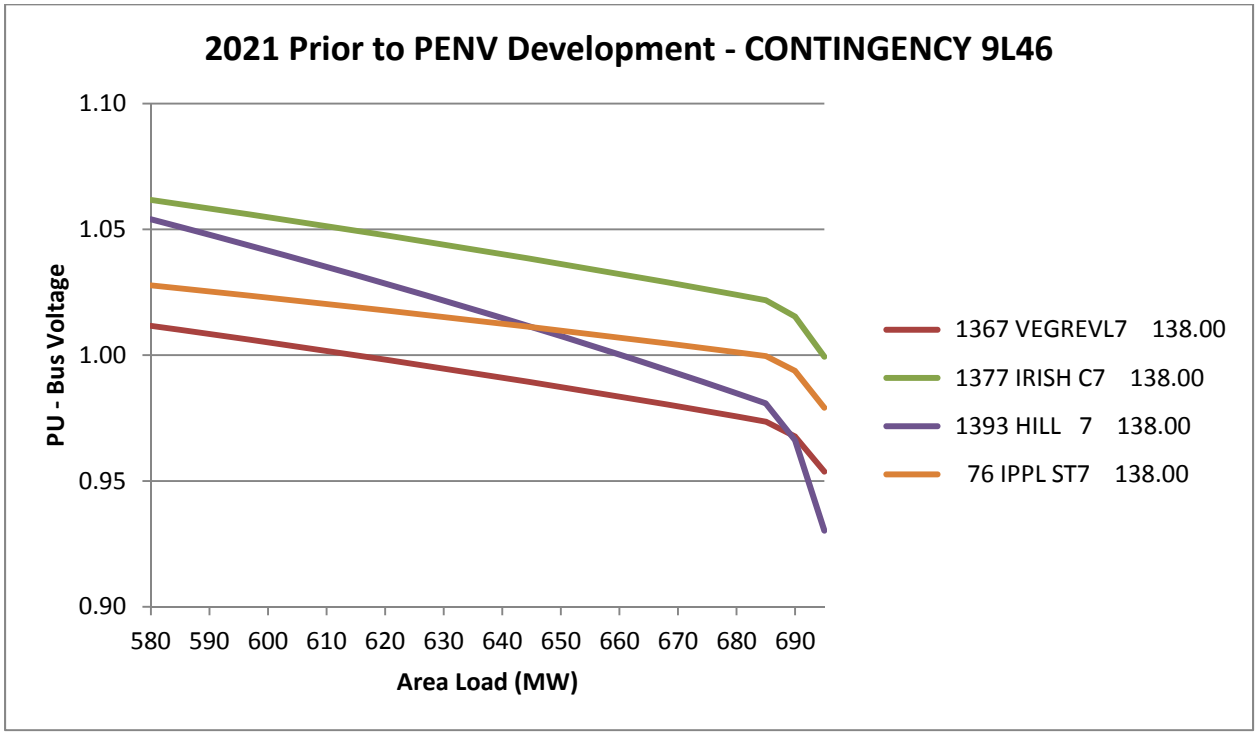


Figure D-6: PV Plots for 2021 Prior to PENV Development under 7L92 Contingency

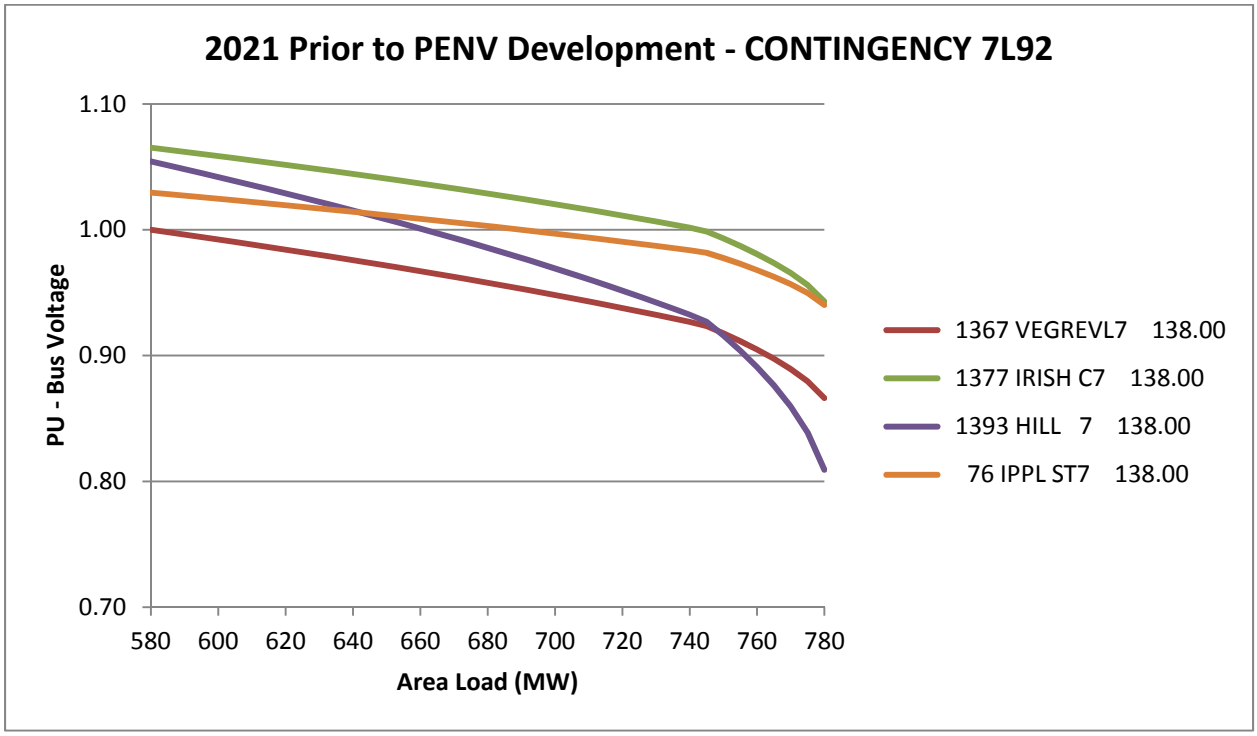


Figure D-7: PV Plots for 2021 Prior to PENV Development under 7L77 Contingency

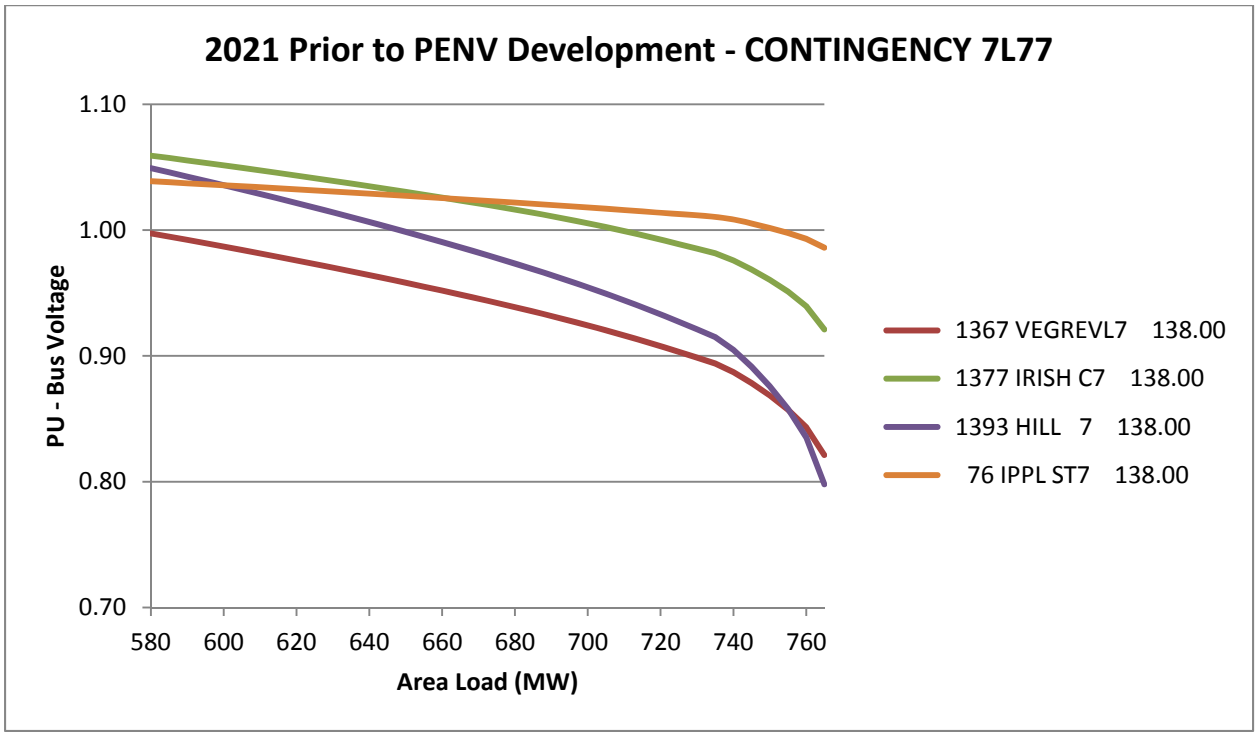


Figure D-8: PV Plots for 2021 Prior to PENV Development under 7L794 Contingency

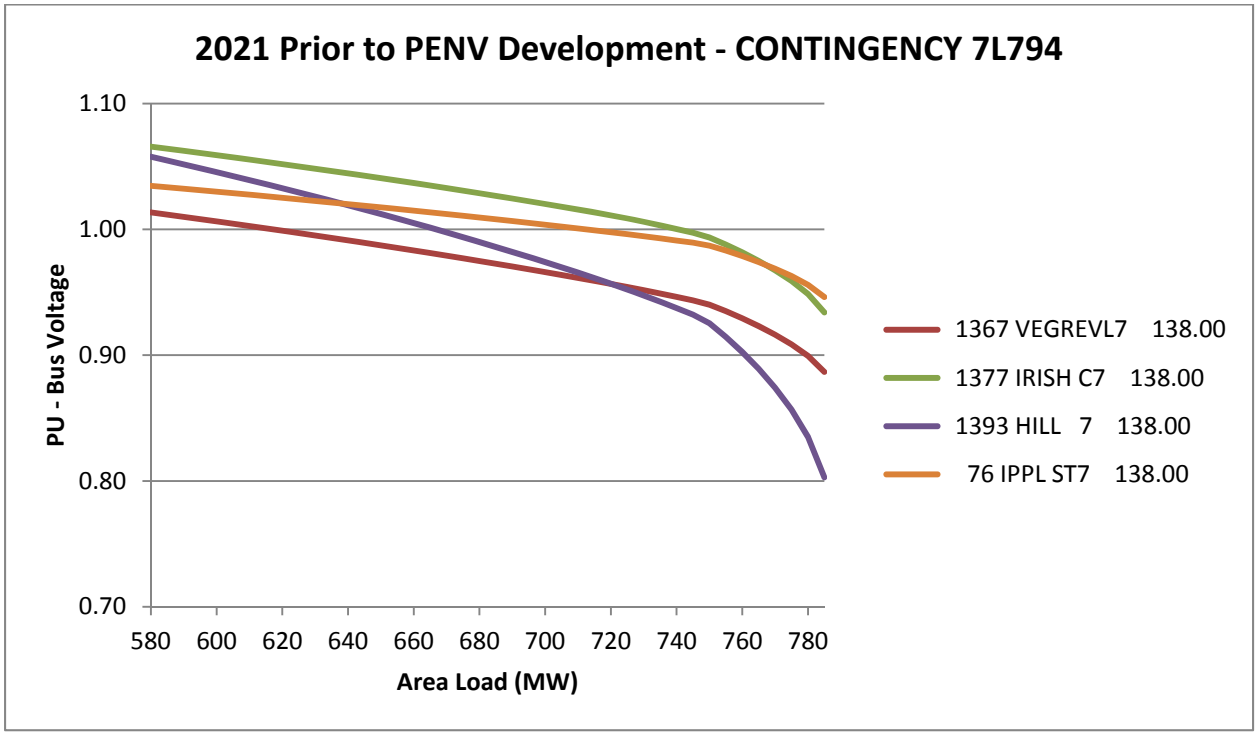


Figure D-9: PV Plots for 2021 Prior to PENV Development under Battle River 757S 240/144 kV Transformer Contingency

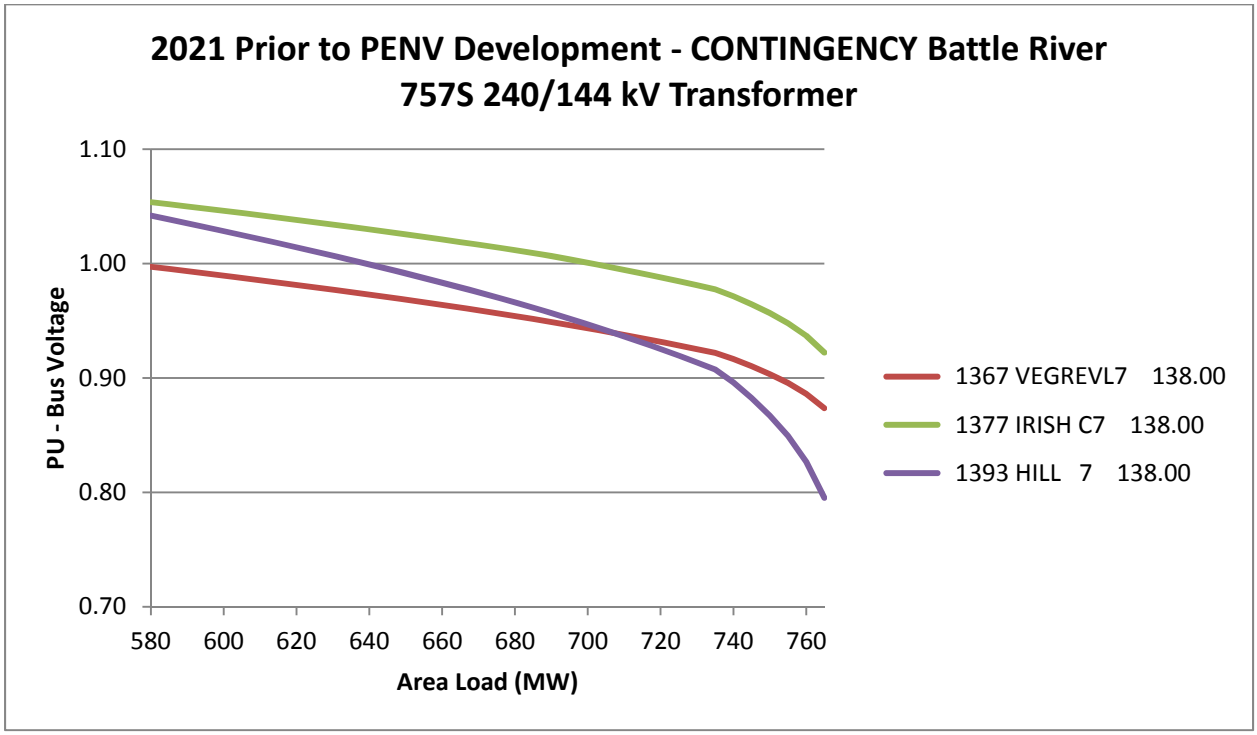
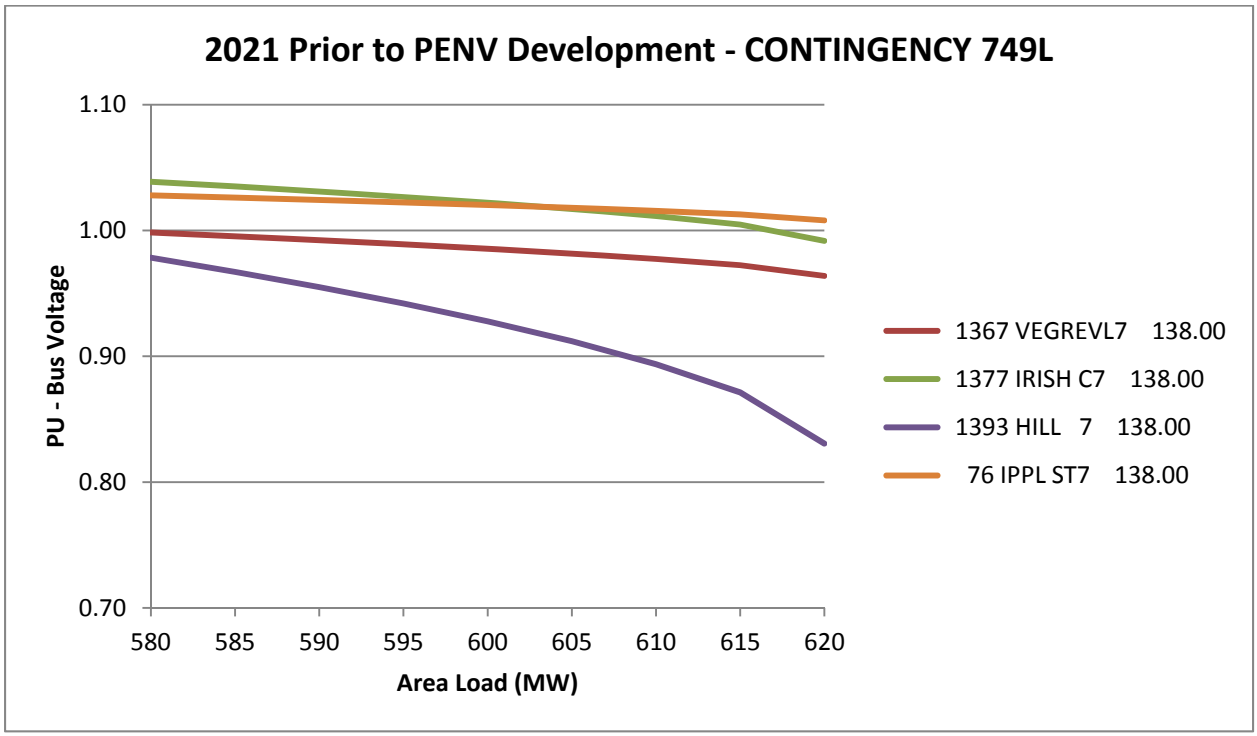


Figure D-10: PV Plots for 2021 Prior to PENV Development under 749L Contingency



Alternative 1 Voltage Stability Plots, 2037, 174L Closed

Figure D-11: PV Plots for 2037 Alternative 1, 174L Closed, under System Normal Condition

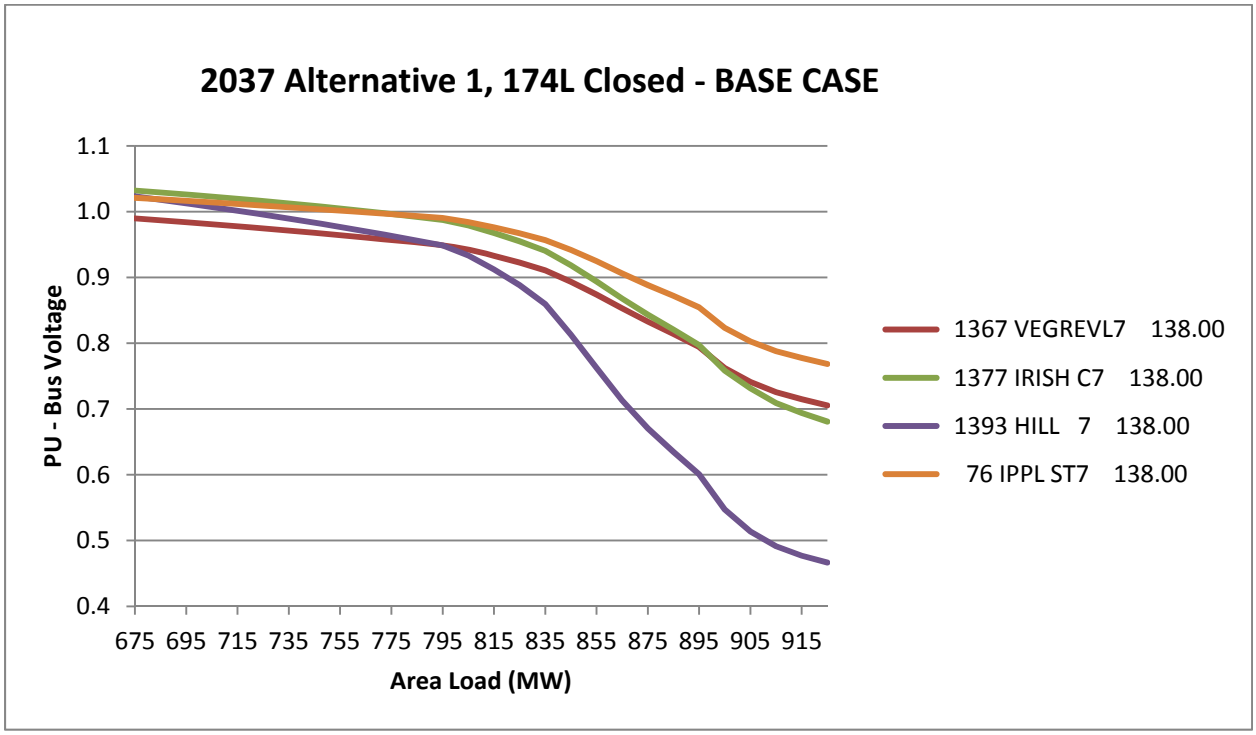


Figure D-12: PV Plots for 2037 Alternative 1, 174L Closed, under 7L130 Contingency

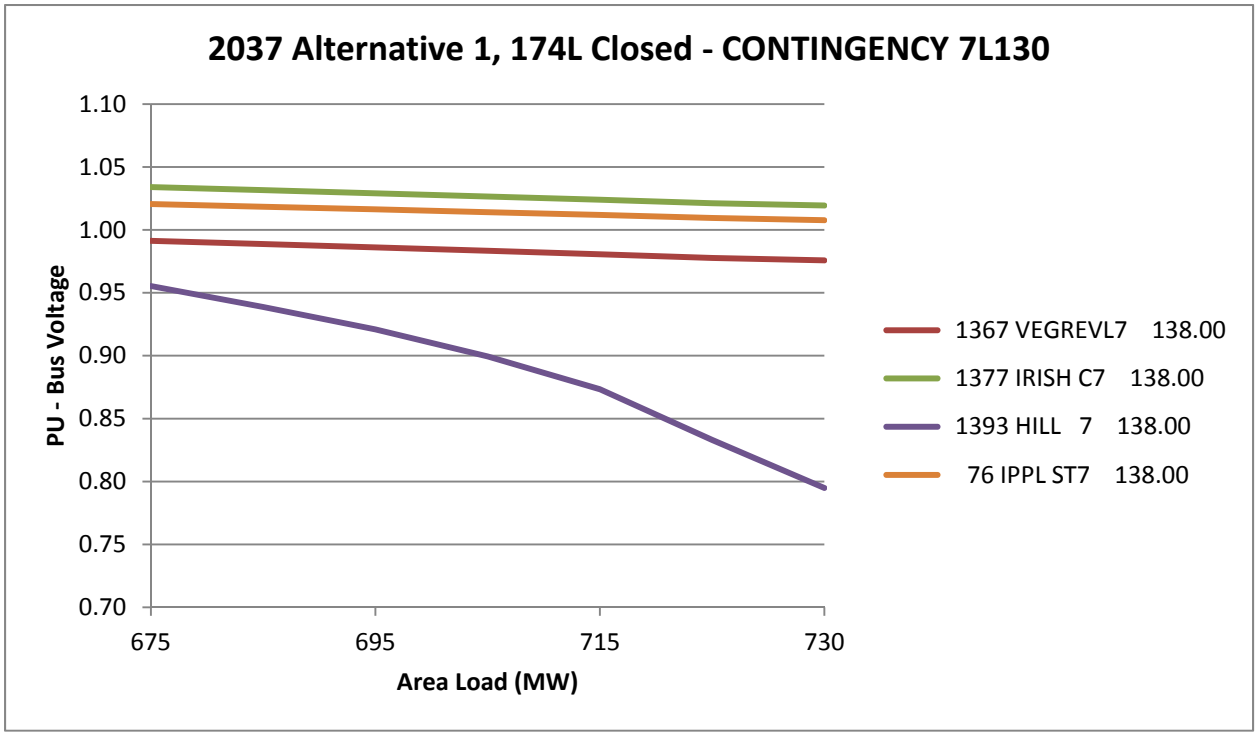


Figure D-13: PV Plots for 2037 Alternative 1, 174L Closed, under 7L53 Contingency

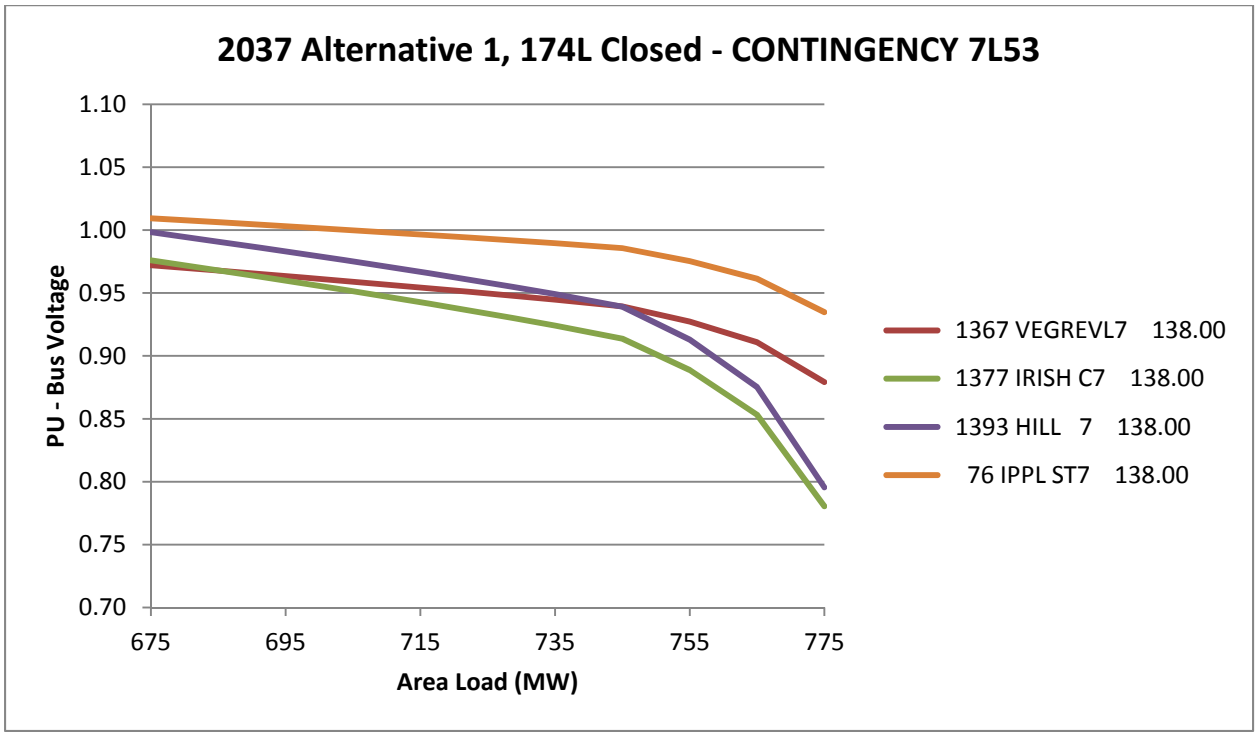


Figure D-14: PV Plots for 2037 Alternative 1, 174L Closed, under 7L701 Contingency

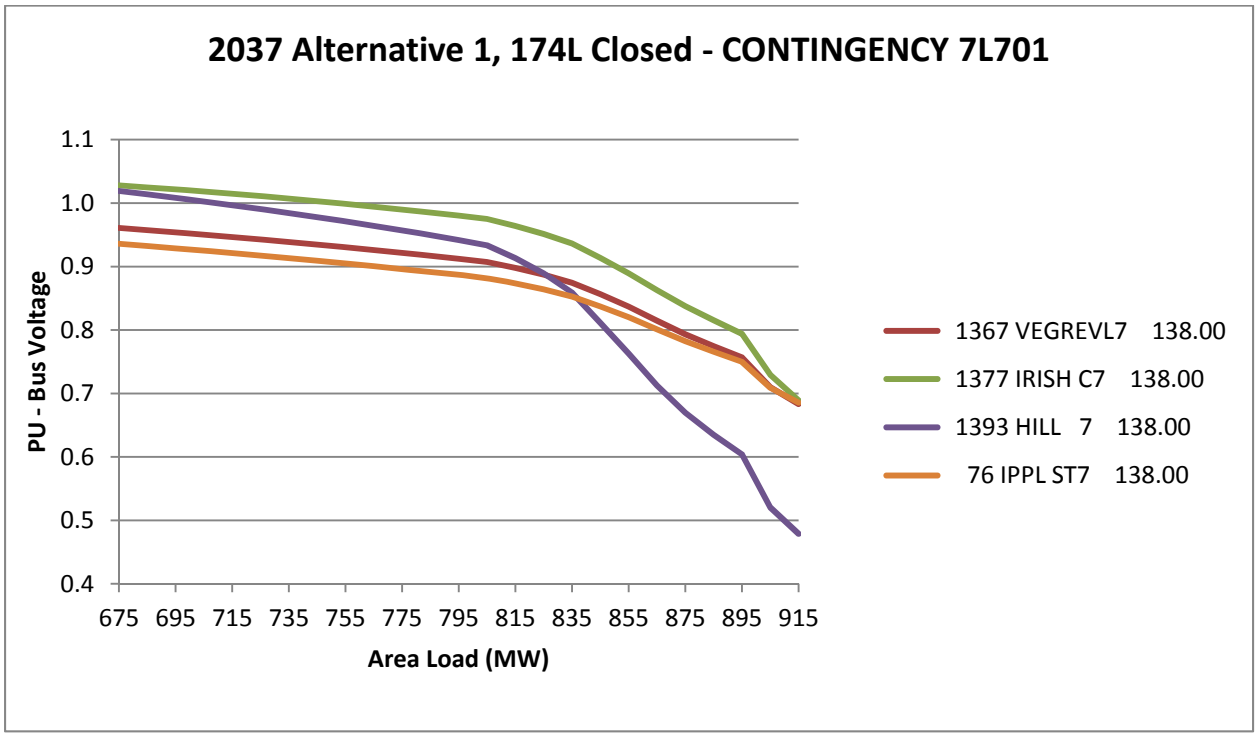


Figure D-15: PV Plots for 2037 Alternative 1, 174L Closed, under 9L46 Contingency

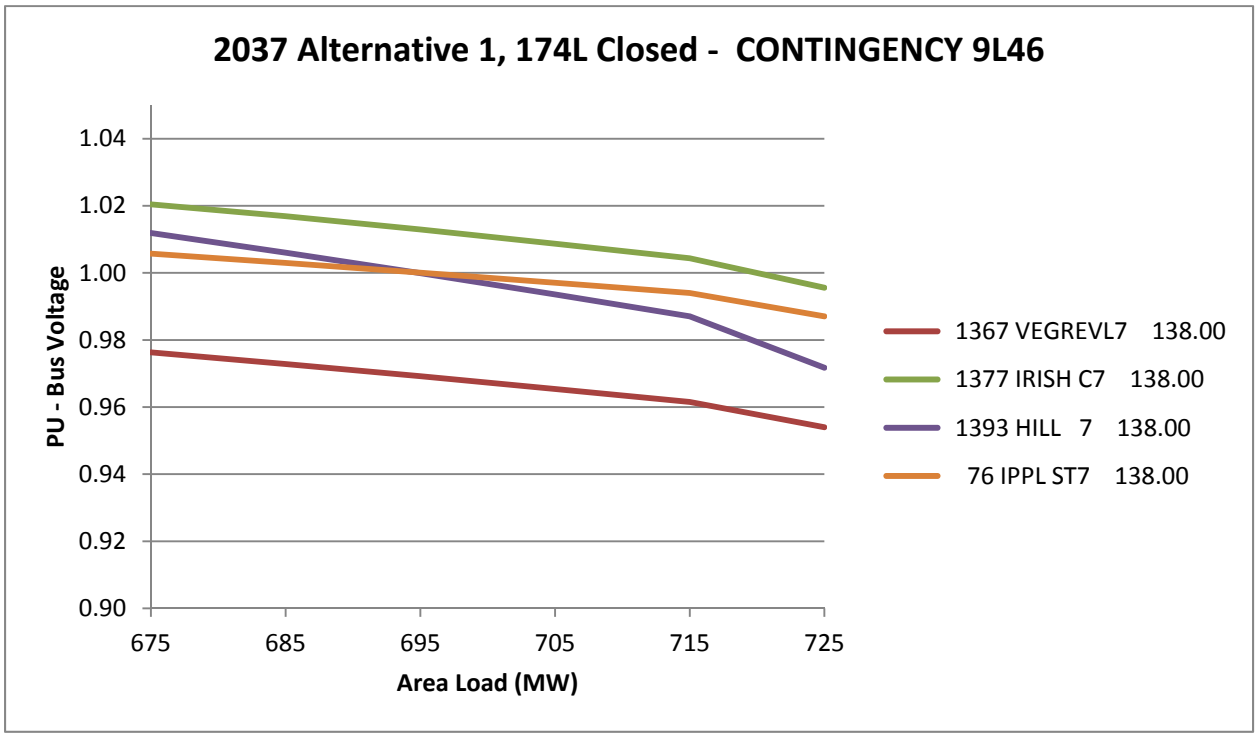


Figure D-16: PV Plots for 2037 Alternative 1, 174L Closed, under 7L92 Contingency

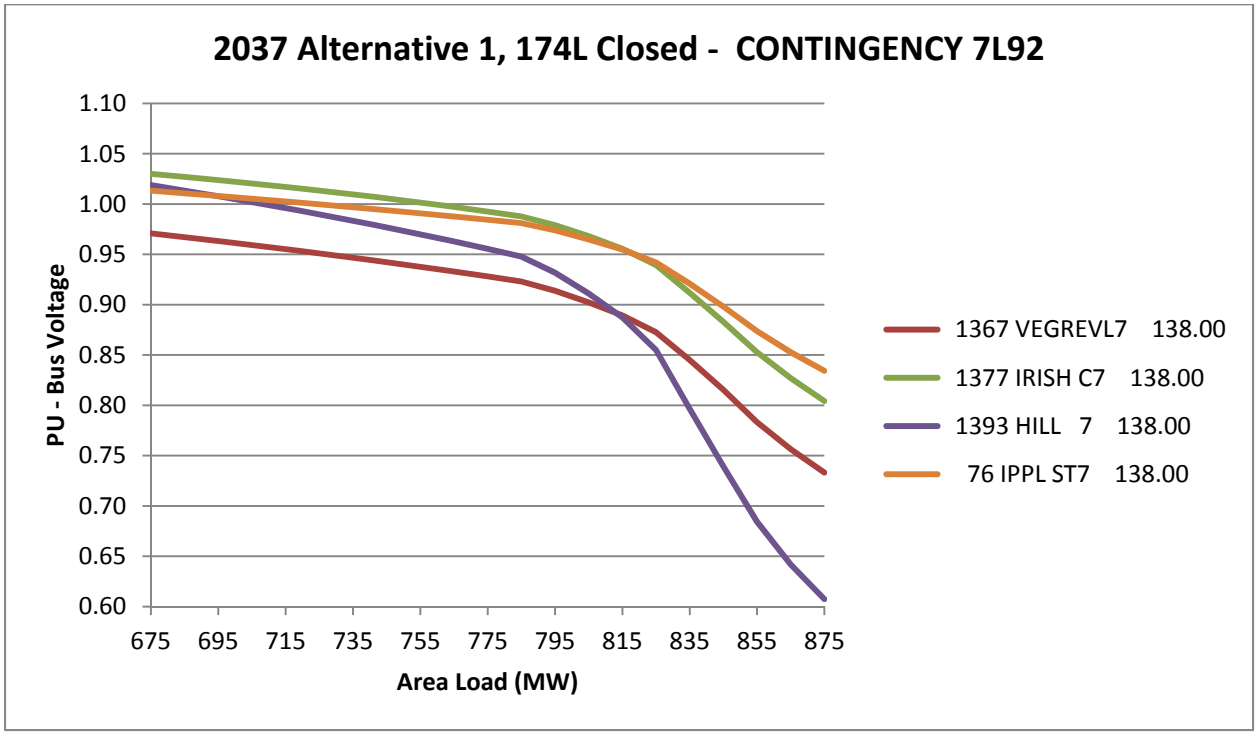


Figure D-17: PV Plots for 2037 Alternative 1, 174L Closed, under 7L77 Contingency

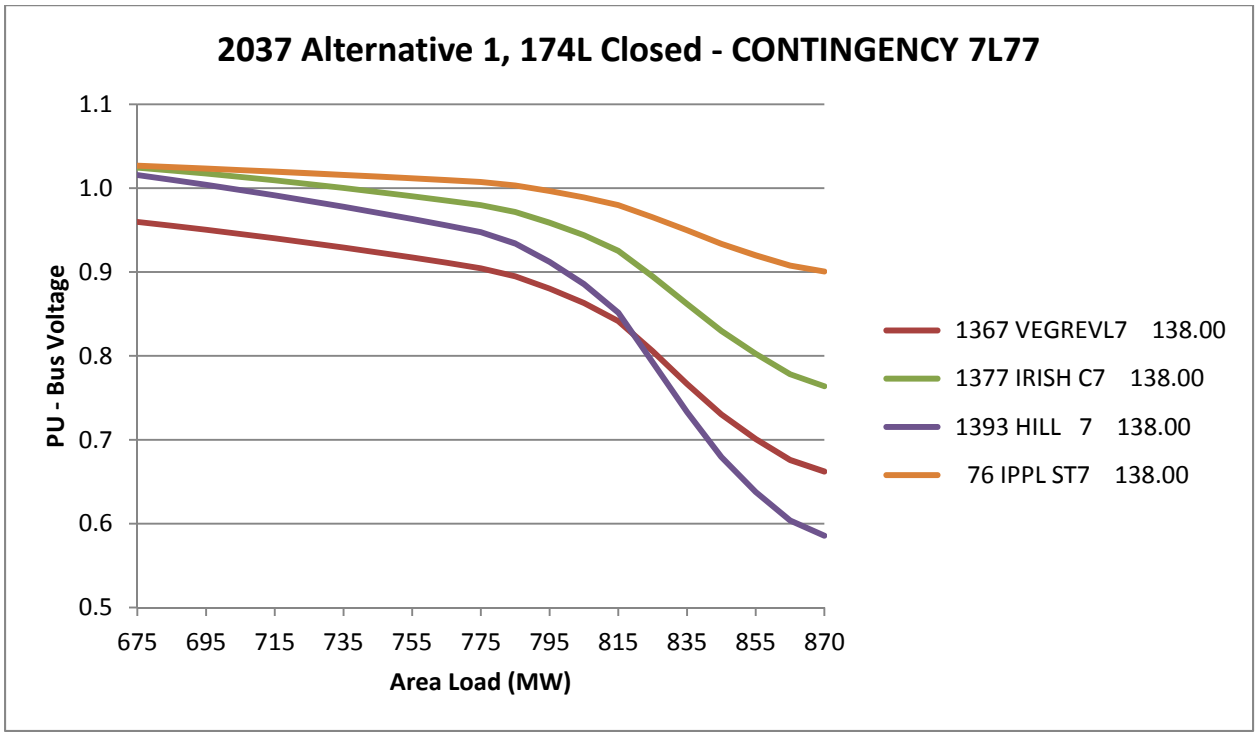


Figure D-18: PV Plots for 2037 Alternative 1, 174L Closed, under 7L794 Contingency

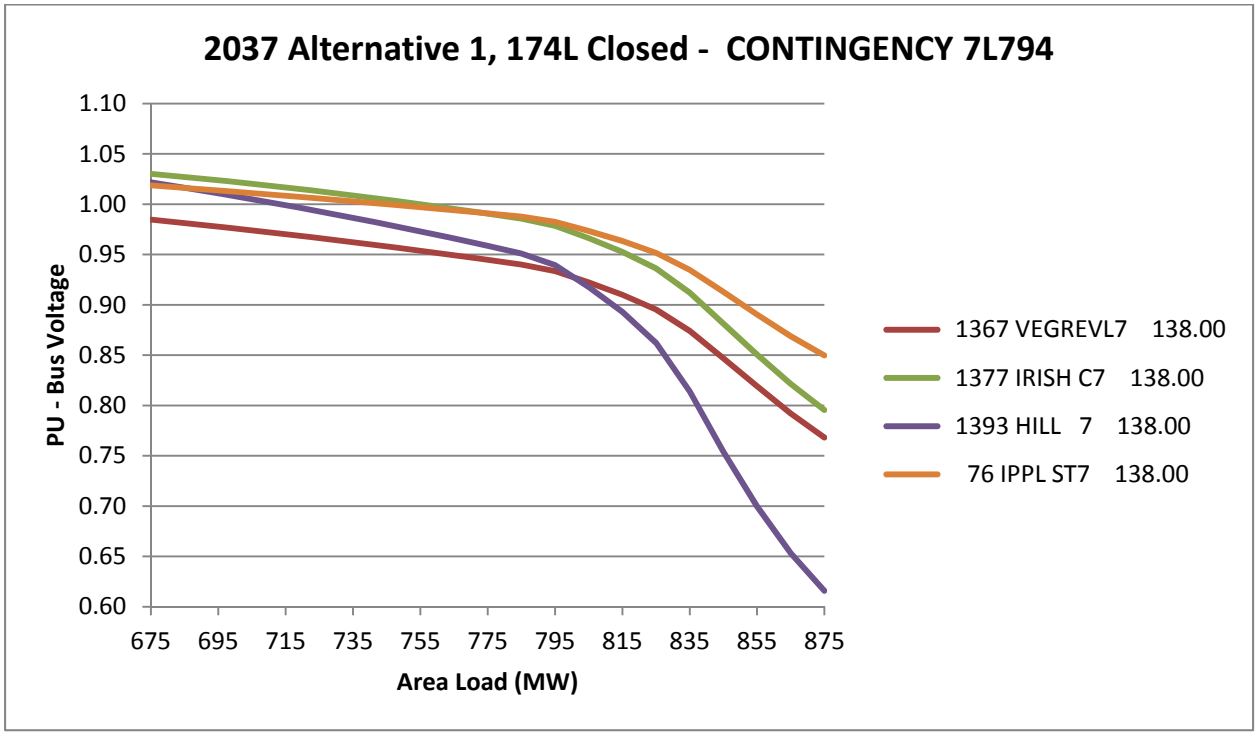


Figure D-19: PV Plots for 2037 Alternative 1, 174L Closed, under Battle River 757S 240/144 kV Transformer Contingency

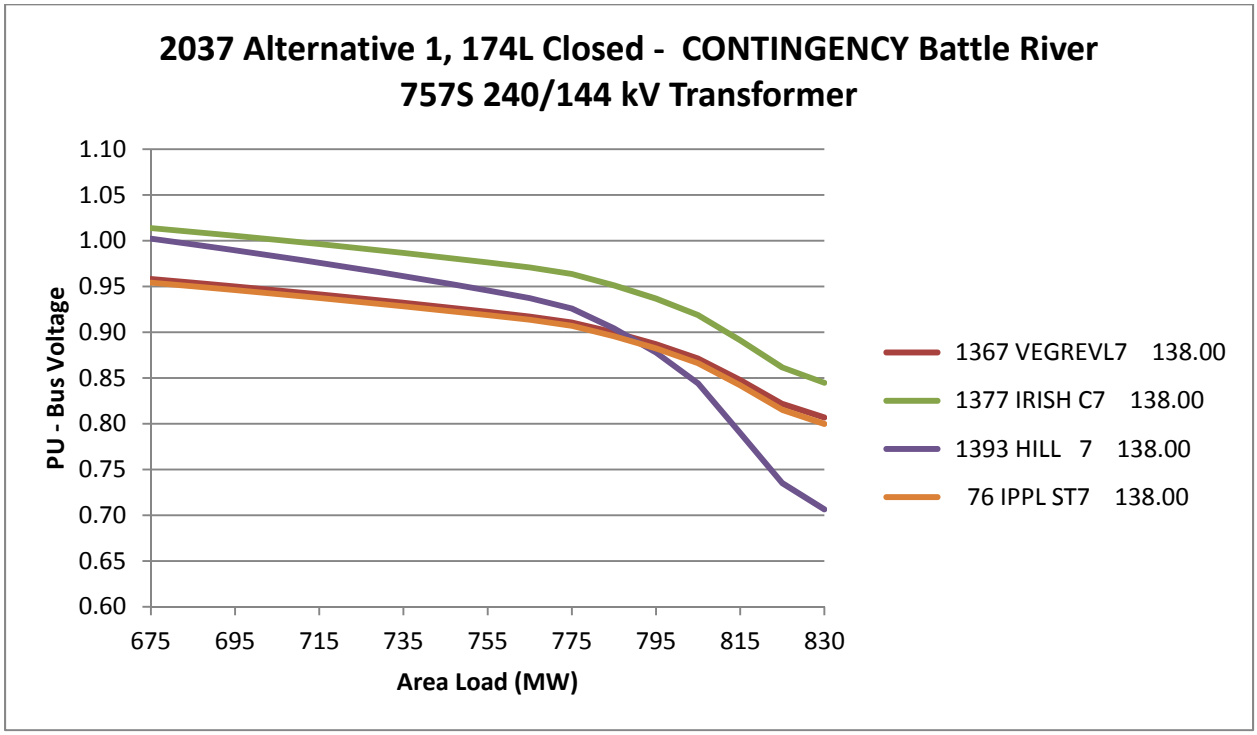


Figure D-20: PV Plots for 2037 Alternative 1, 174L Closed, under Drury-Nilrem line Contingency

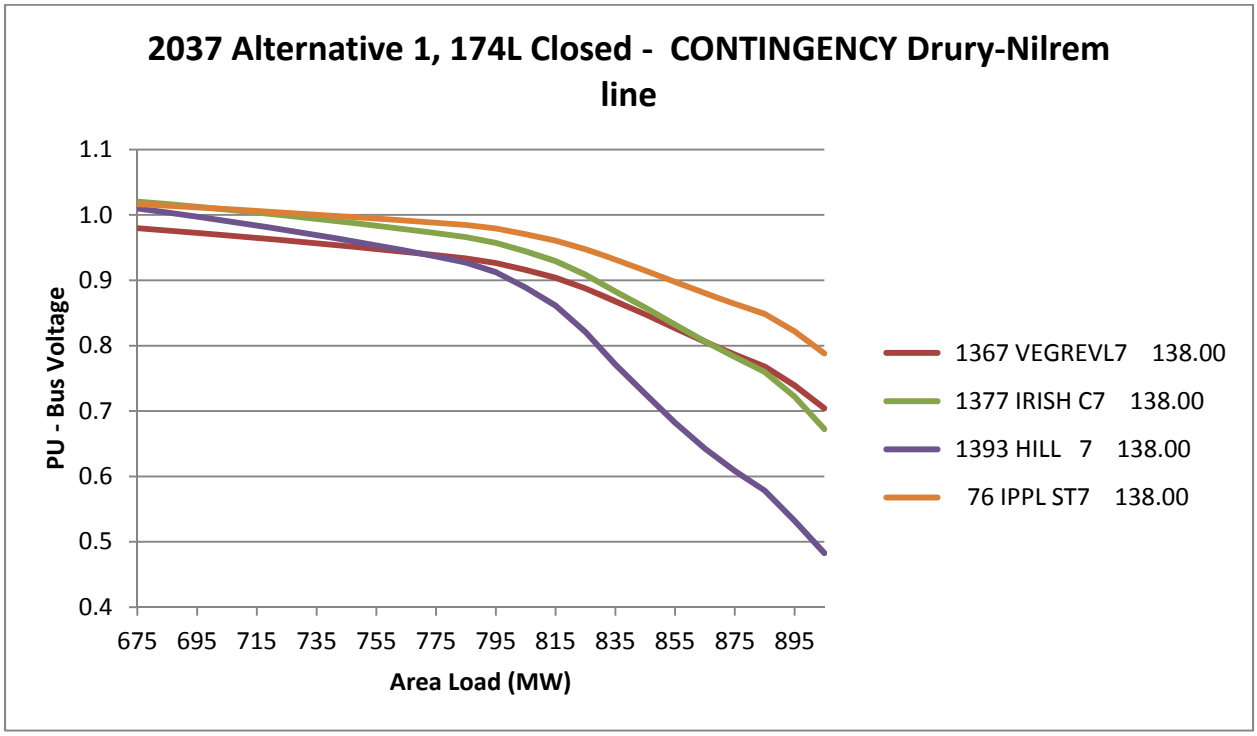
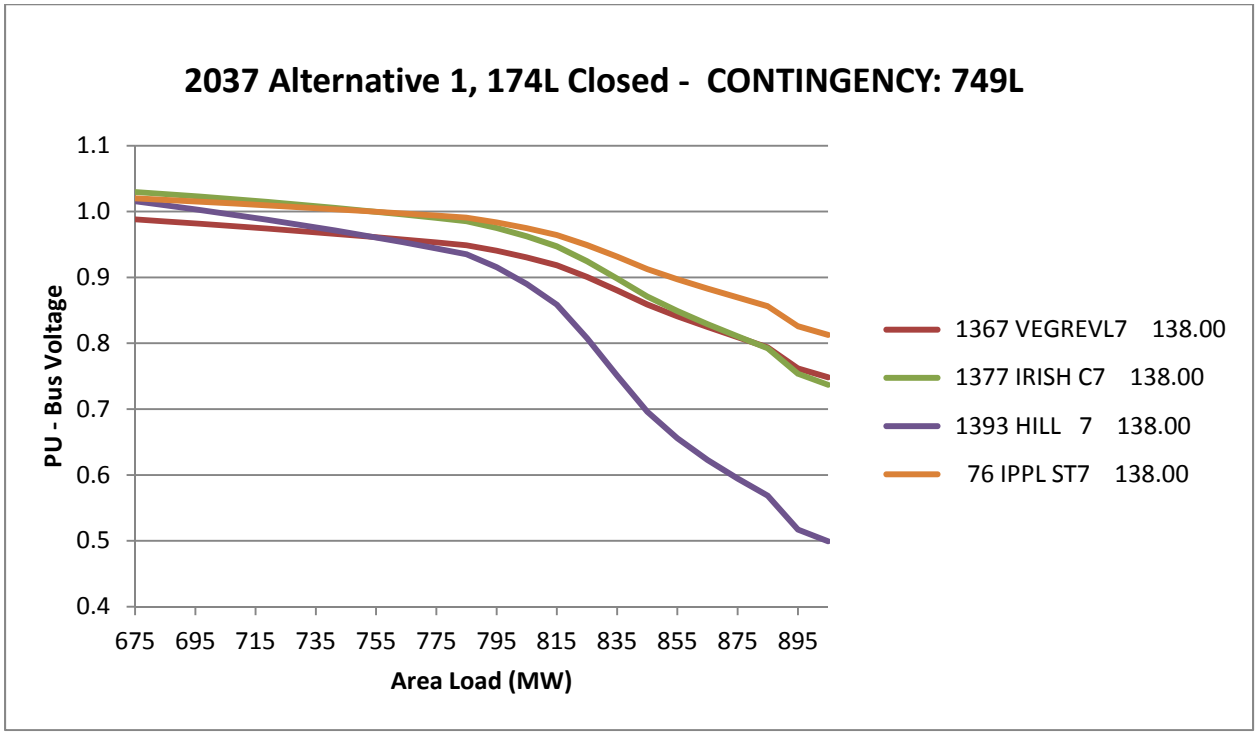


Figure D-21: PV Plots for 2037 Alternative 1, 174L Closed, under 749L Contingency



Alternative 2@ 240 kV Voltage Stability Plots, 2037, 174L Closed

Figure D-22: PV Plots for 2037 Alternative 2@ 240 kV, 174L Closed, under System Normal Condition

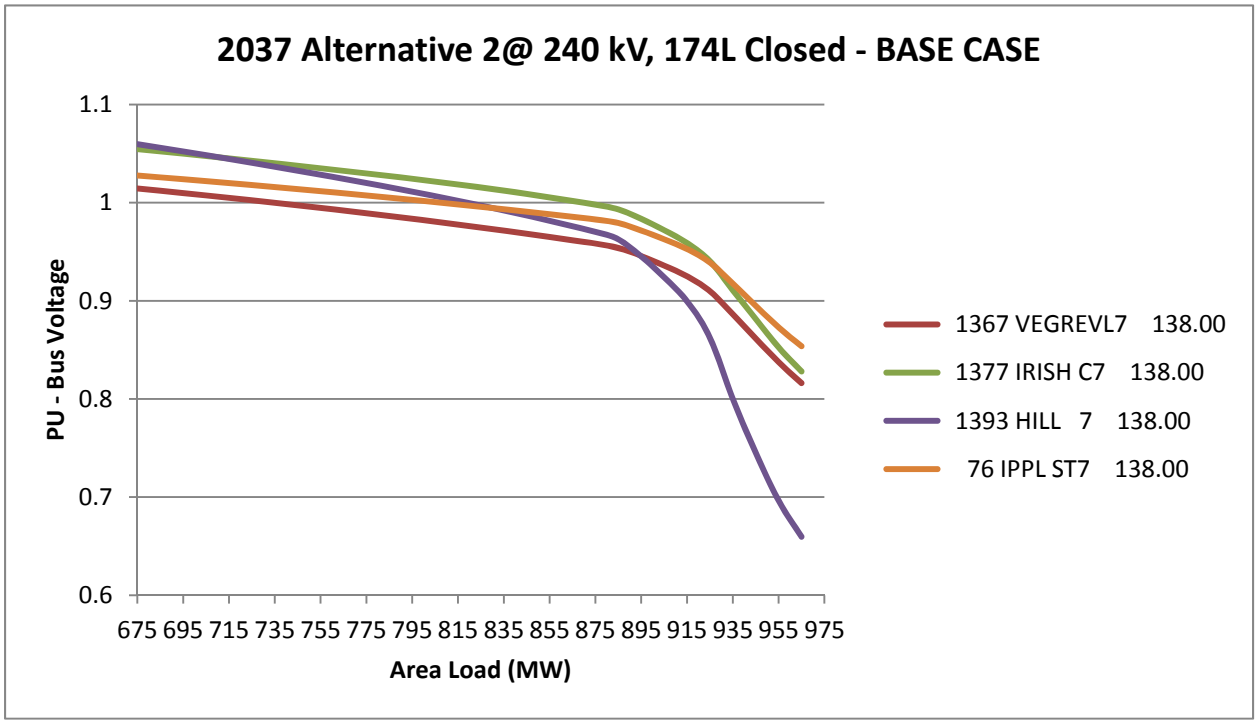


Figure D-23: PV Plots for 2037 Alternative 2@ 240 kV, 174L Closed, under 7L130 Contingency

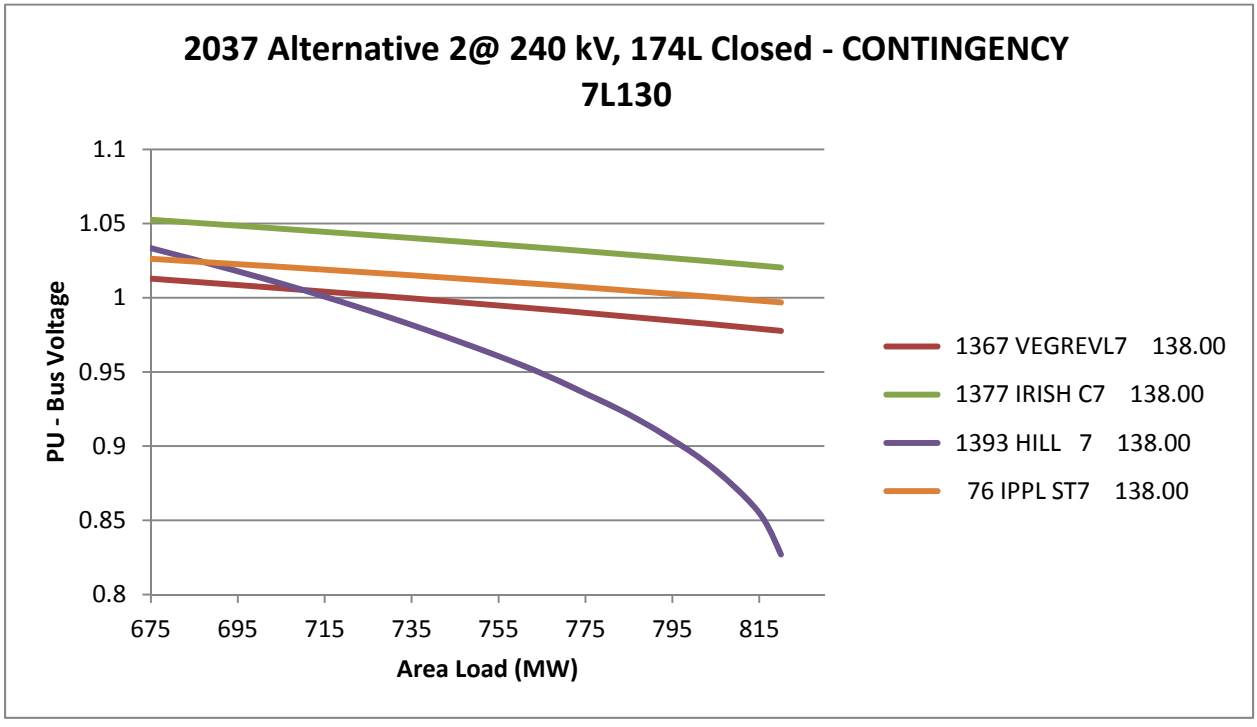


Figure D-24: PV Plots for 2037 Alternative 2@ 240 kV, 174L Closed, under 7L53 Contingency

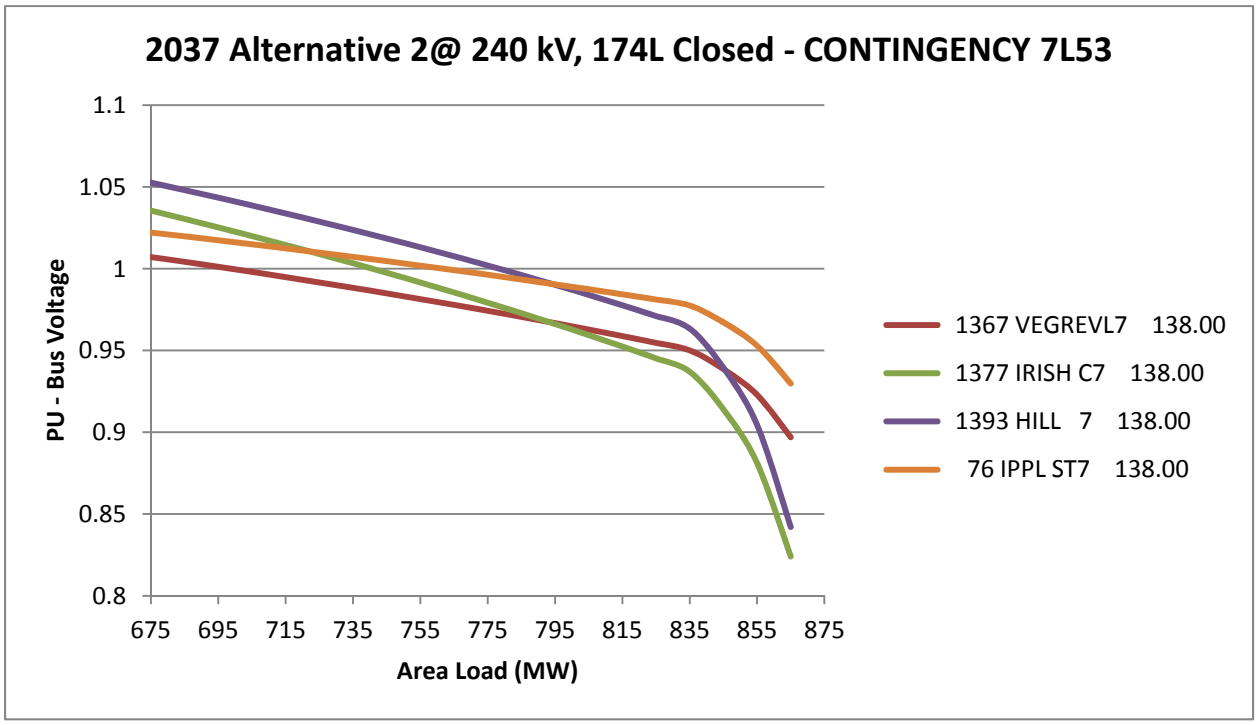


Figure D-25: PV Plots for 2037 Alternative 2@ 240 kV, 174L Closed, under 7L701 Contingency

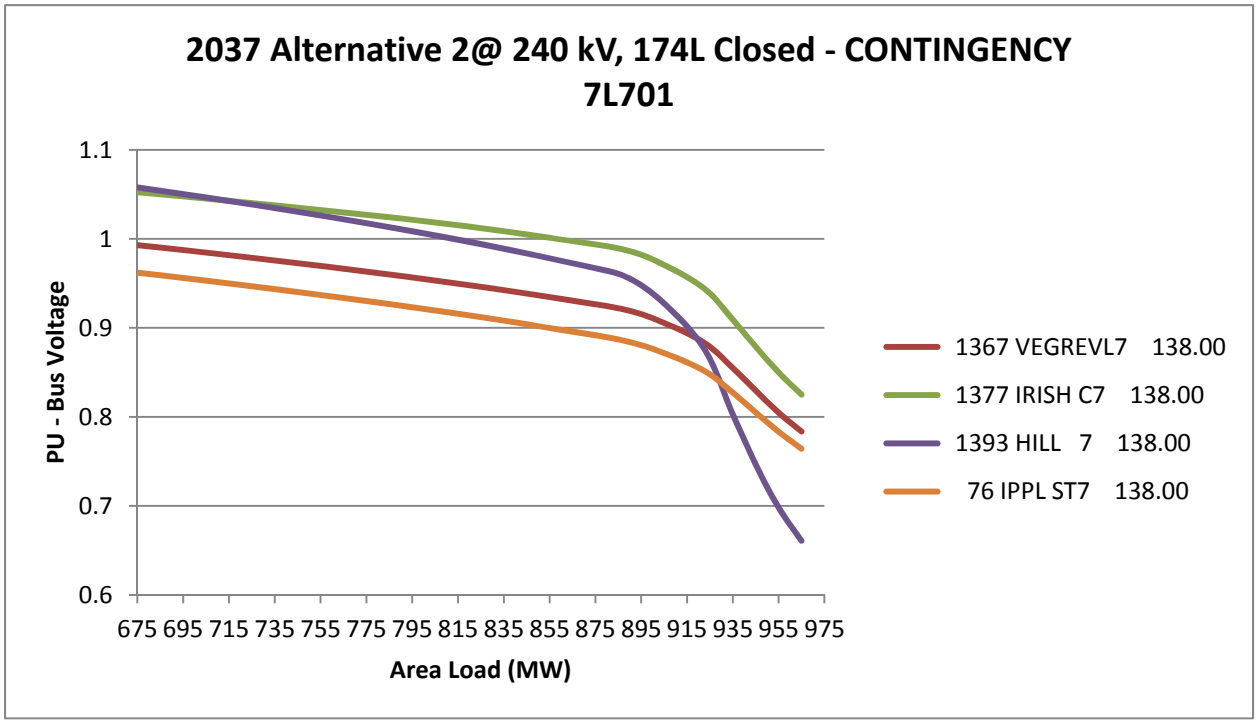


Figure D-26: PV Plots for 2037 Alternative 2@ 240 kV, 174L Closed, under 9L46 Contingency

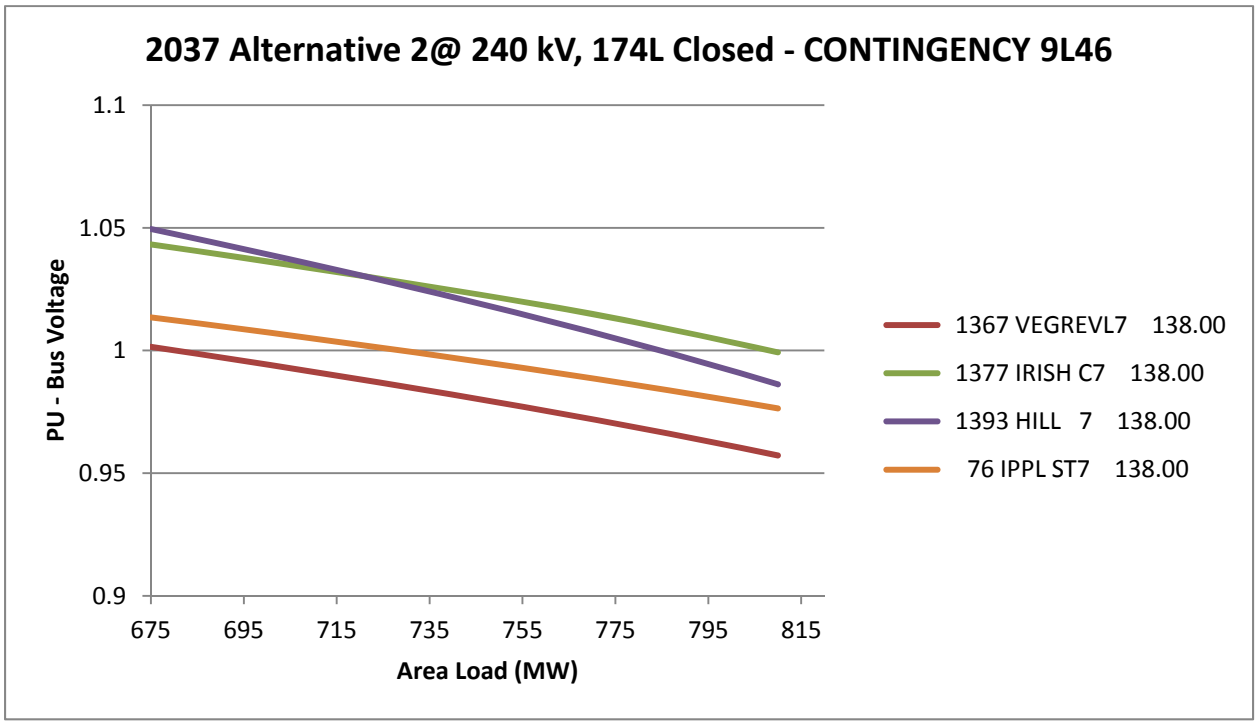


Figure D-27: PV Plots for 2037 Alternative 2@ 240 kV, 174L Closed, under 7L92 Contingency

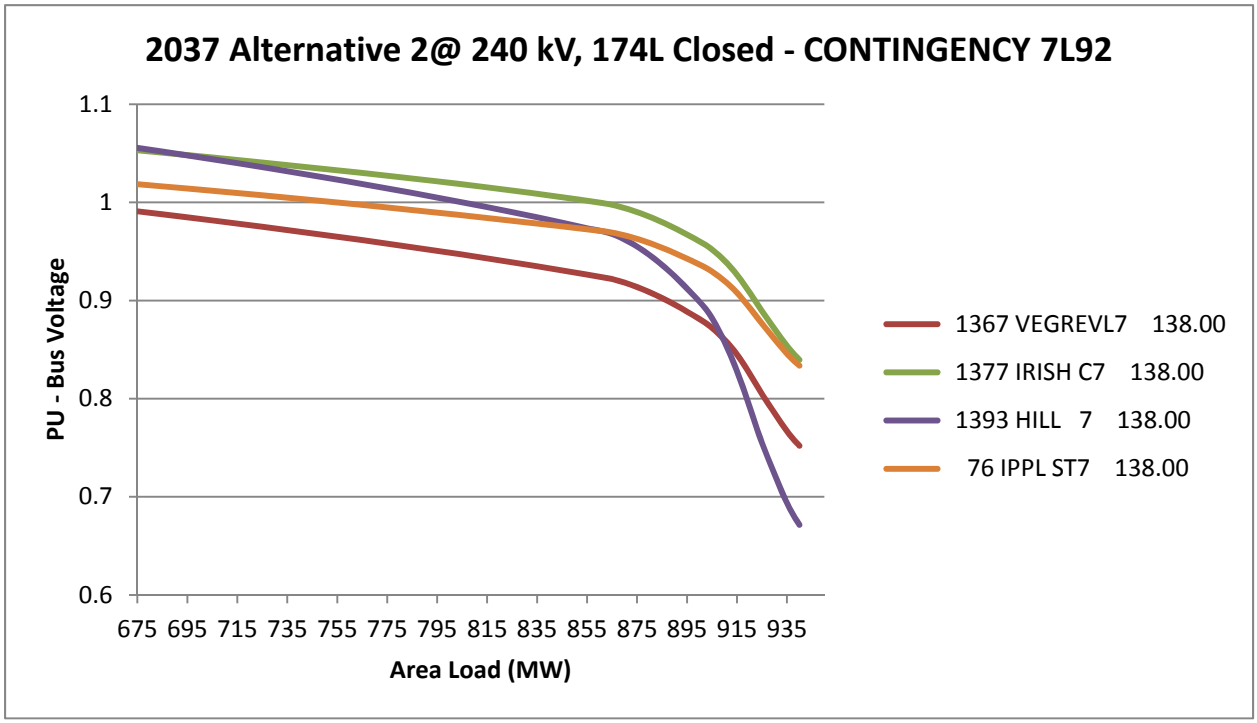


Figure D-28: PV Plots for 2037 Alternative 2@ 240 kV, 174L Closed, under 7L77 Contingency

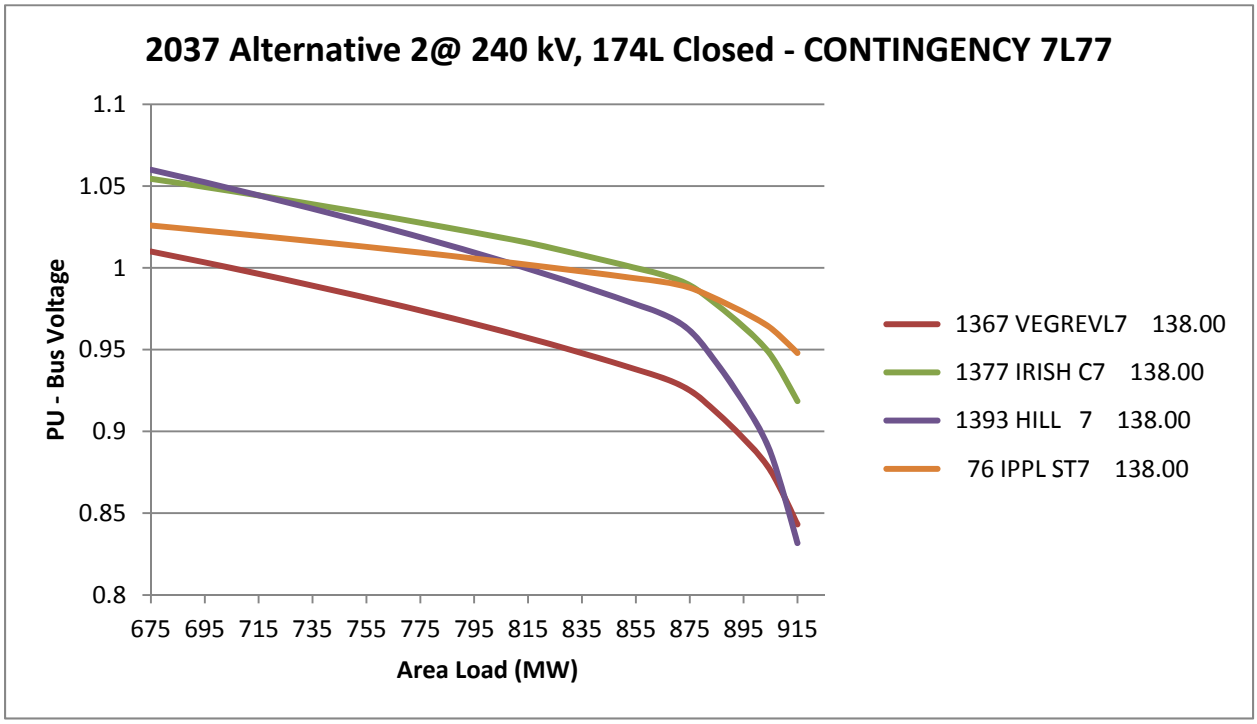


Figure D-29: PV Plots for 2037 Alternative 2@ 240 kV, 174L Closed, under 7L794 Contingency

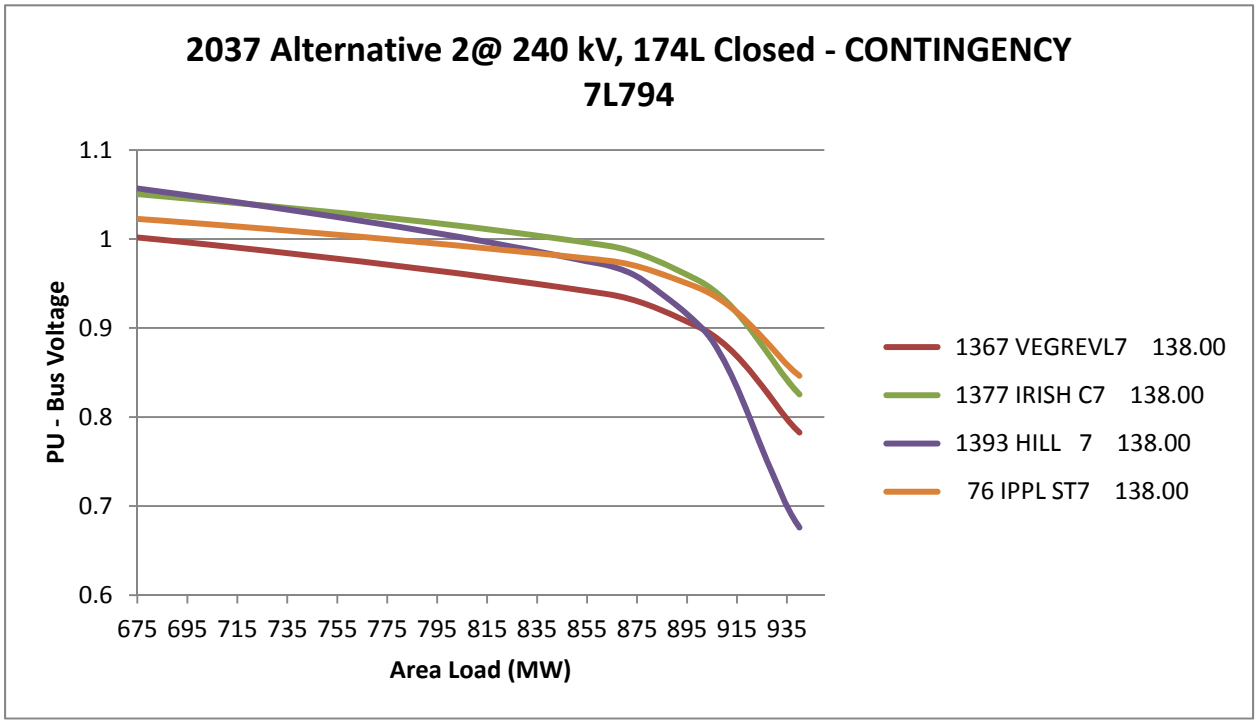


Figure D-30: PV Plots for 2037 Alternative 2@ 240 kV, 174L Closed, under Battle River 757S 240/144 kV Transformer Contingency

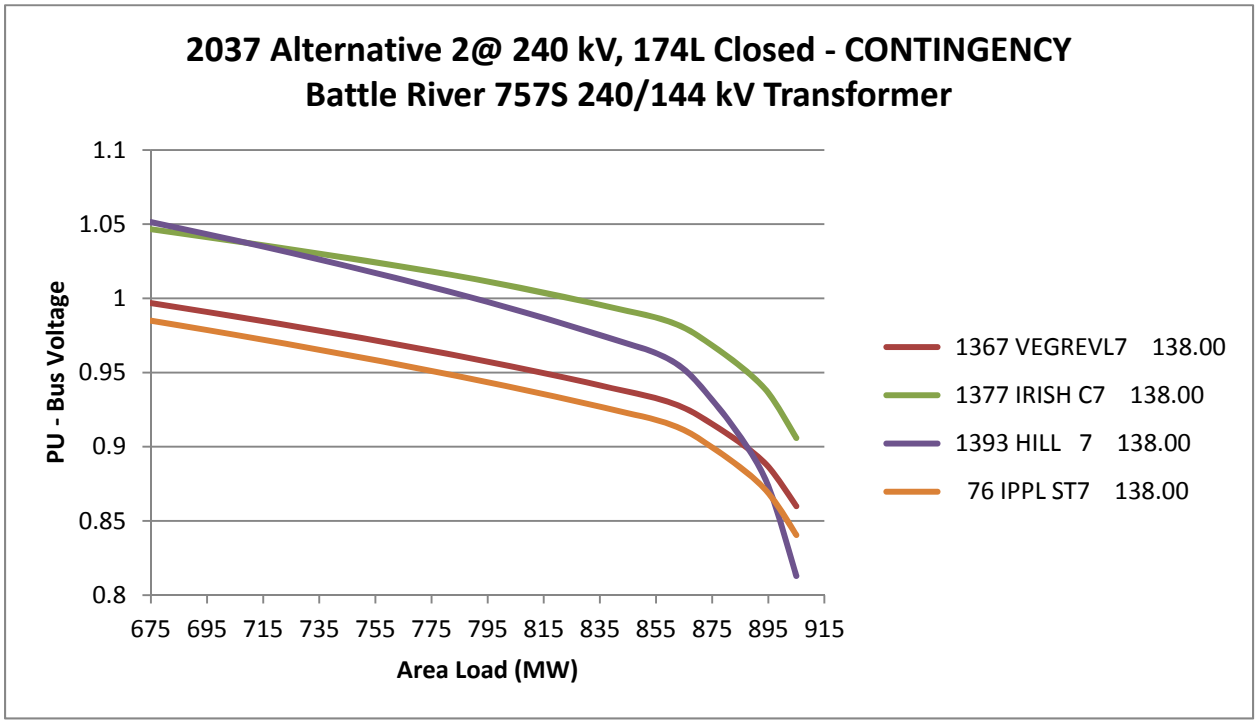


Figure D-31: PV Plots for 2037 Alternative 2@ 240 kV, 174L Closed, under Drury-Nilrem Line Contingency

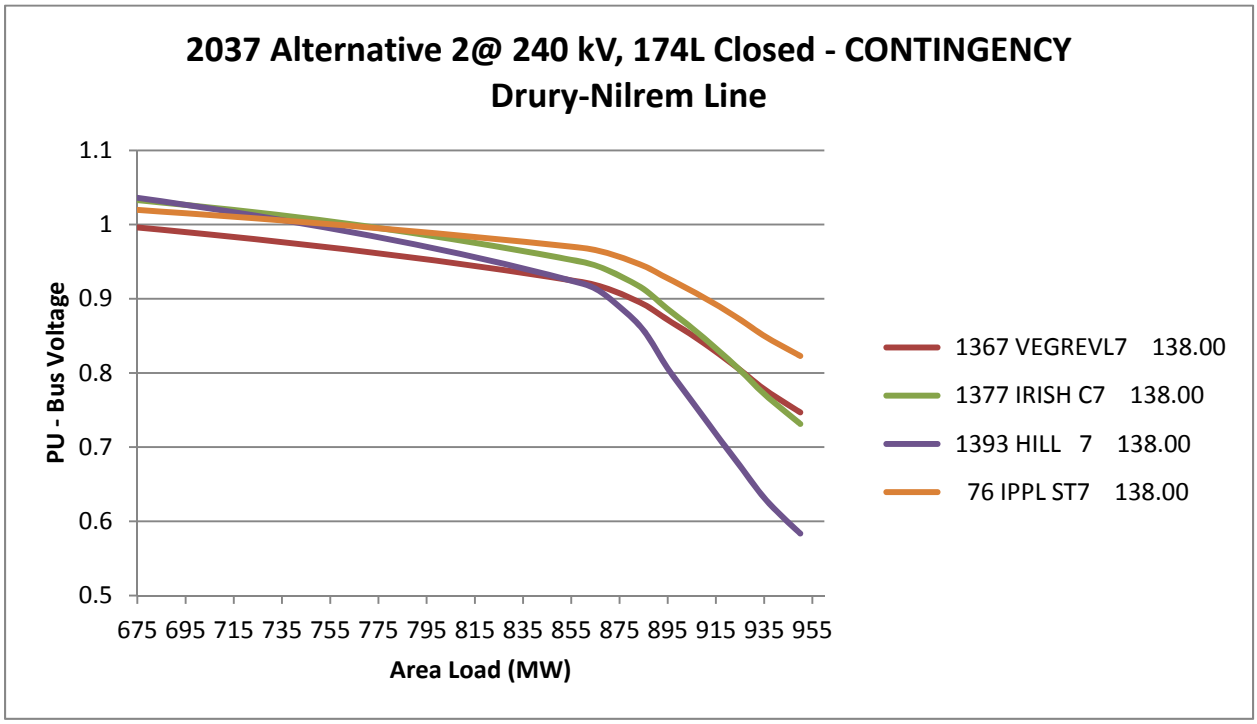
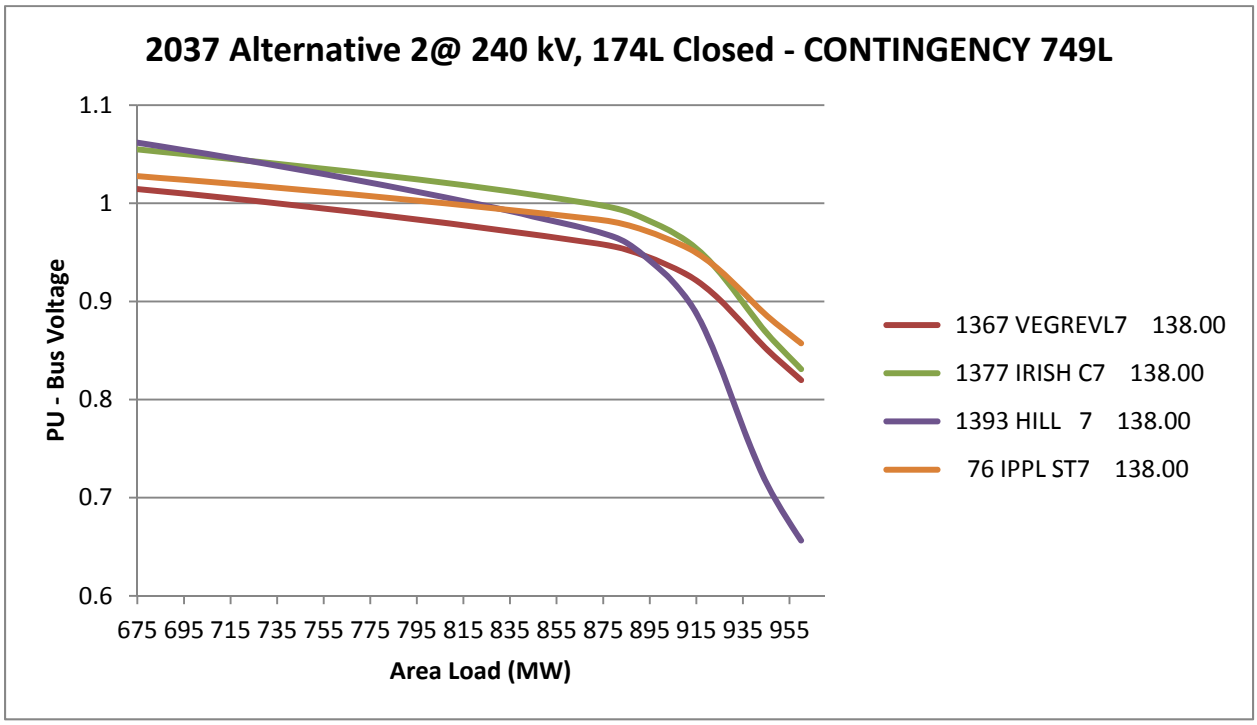


Figure D-32: PV Plots for 2037 Alternative 2@ 240 kV, 174L Closed, under 749L Contingency



Alternative 1 Voltage Stability Plots 2037, 174L Open

Figure D-33: PV Plots for 2037 Alternative 1, 174L Open, under System Normal Condition

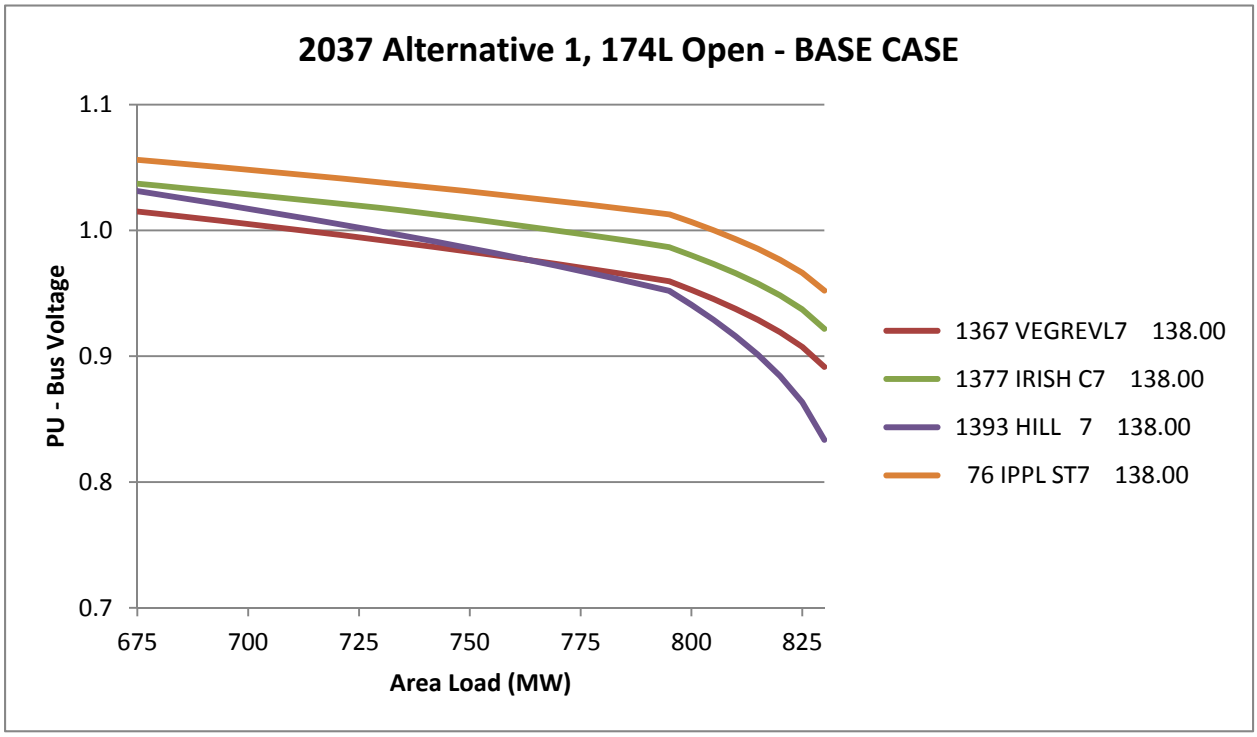


Figure D-34: PV Plots for 2037 Alternative 1, 174L Open, under 7L130 Contingency

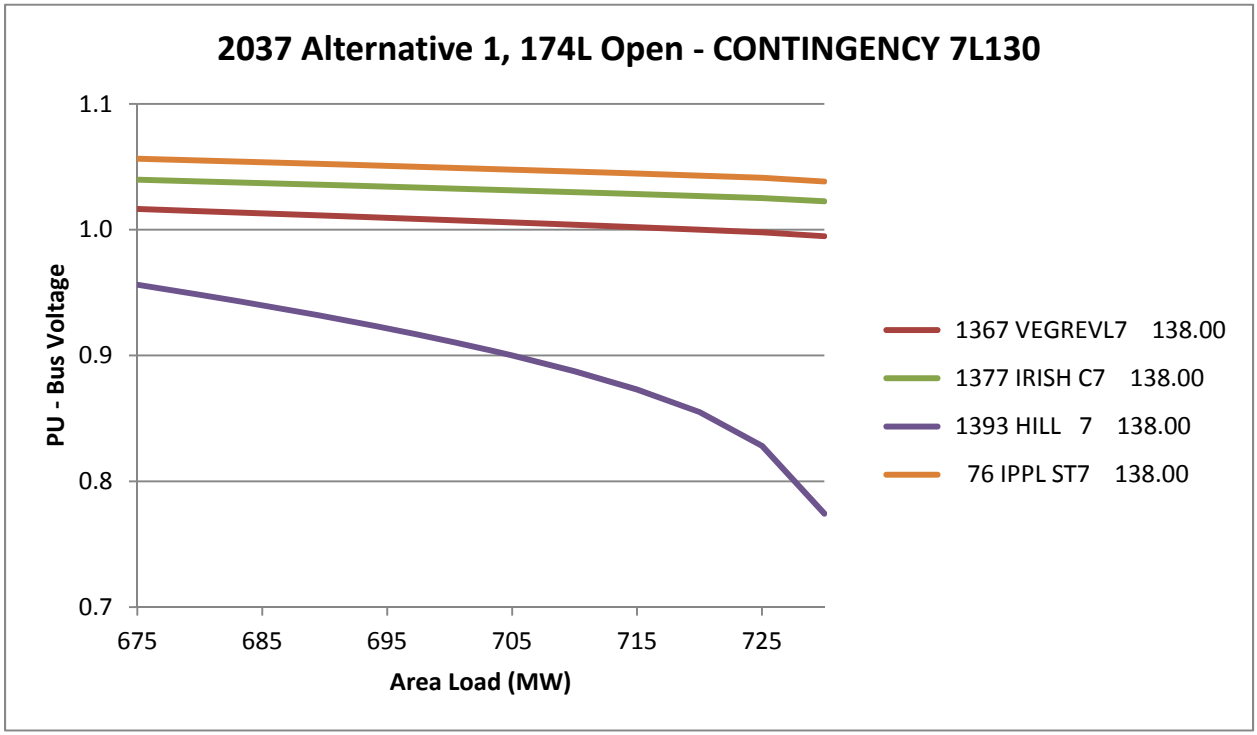


Figure D-35: PV Plots for 2037 Alternative 1, 174L Open, under 7L53 Contingency

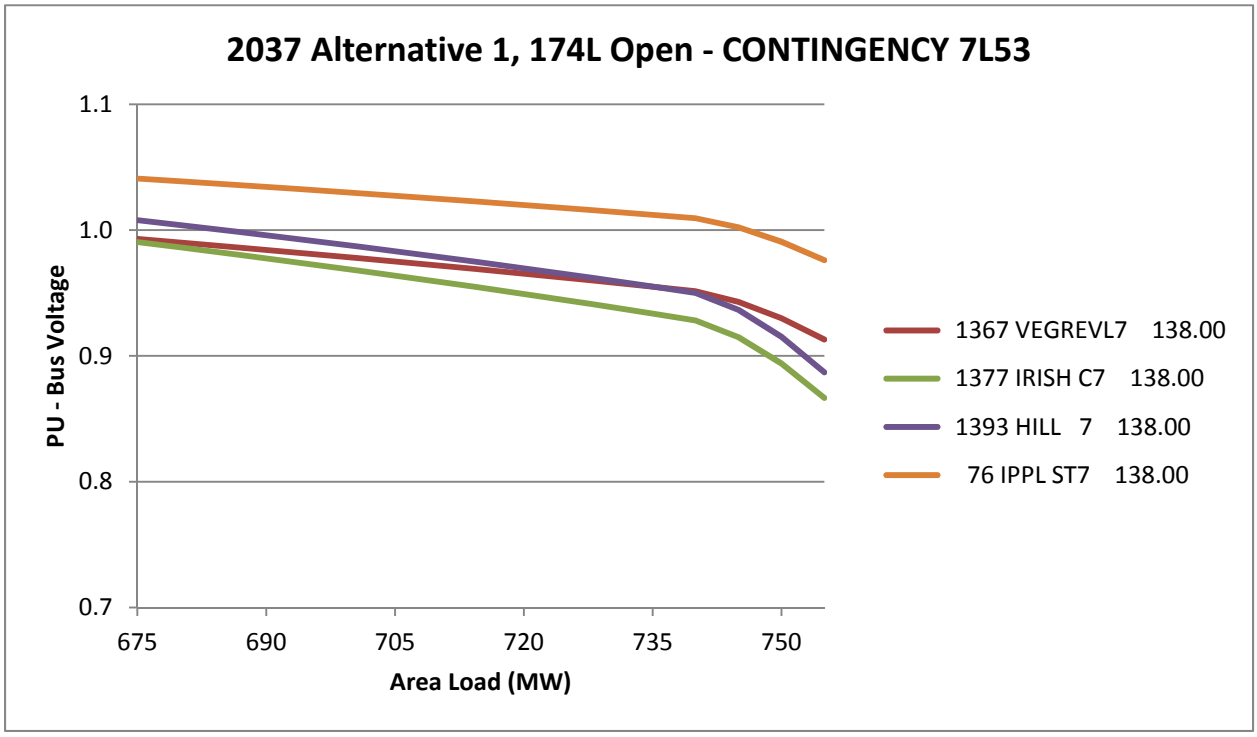


Figure D-36: PV Plots for 2037 Alternative 1, 174L Open, under 7L701 Contingency

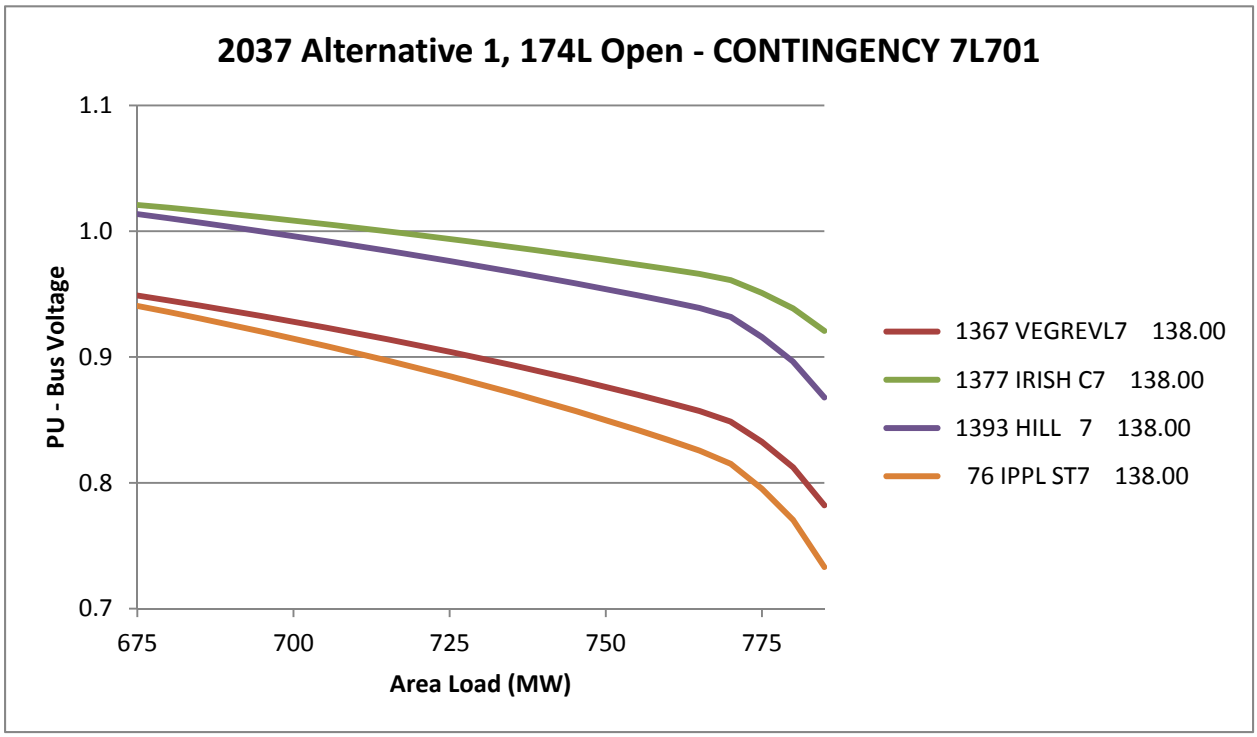


Figure D-37: PV Plots for 2037 Alternative 1, 174L Open, under 9L46 Contingency

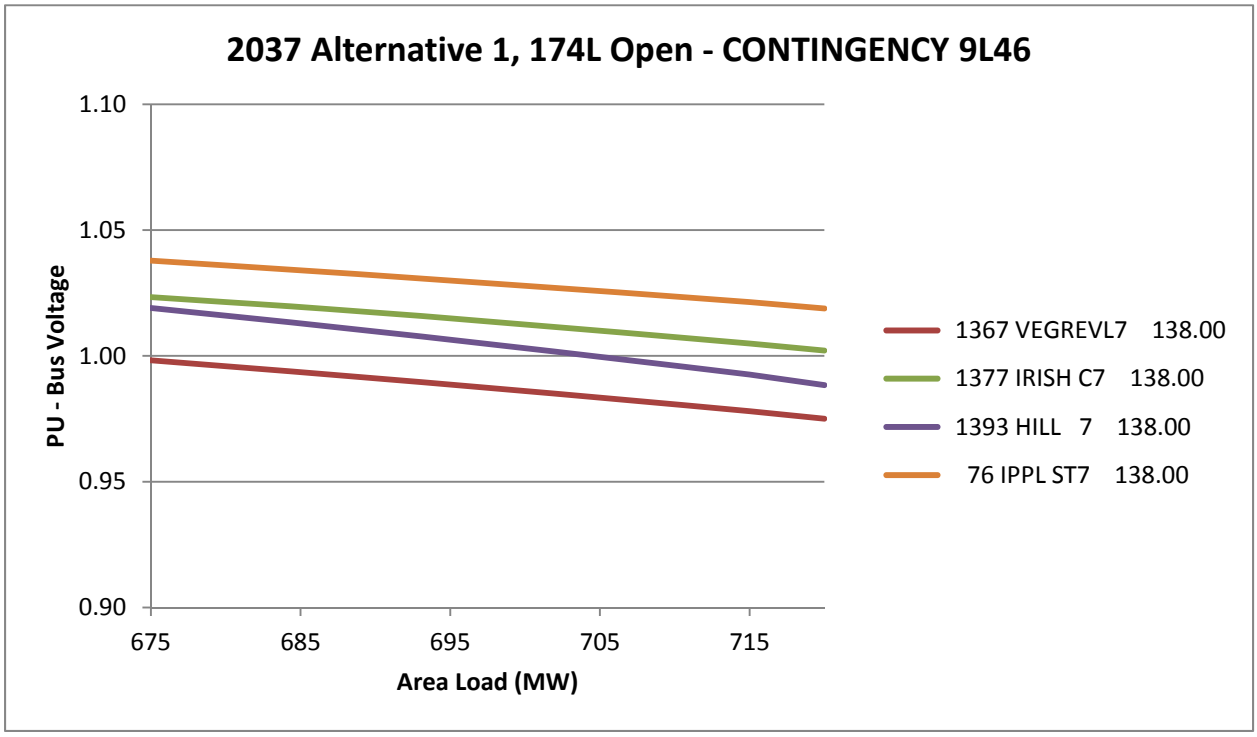


Figure D-38: PV Plots for 2037 Alternative 1, 174L Open, under 7L92 Contingency

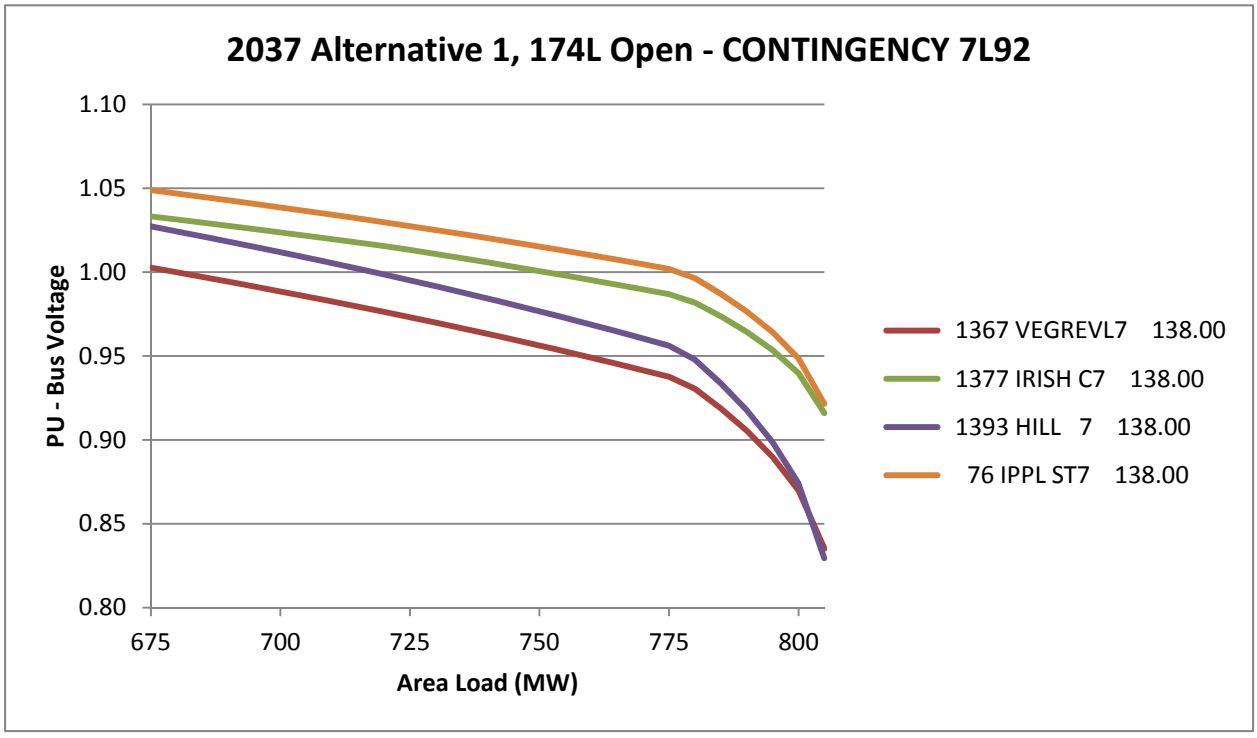


Figure D-39: PV Plots for 2037 Alternative 1, 174L Open, under 7L77 Contingency

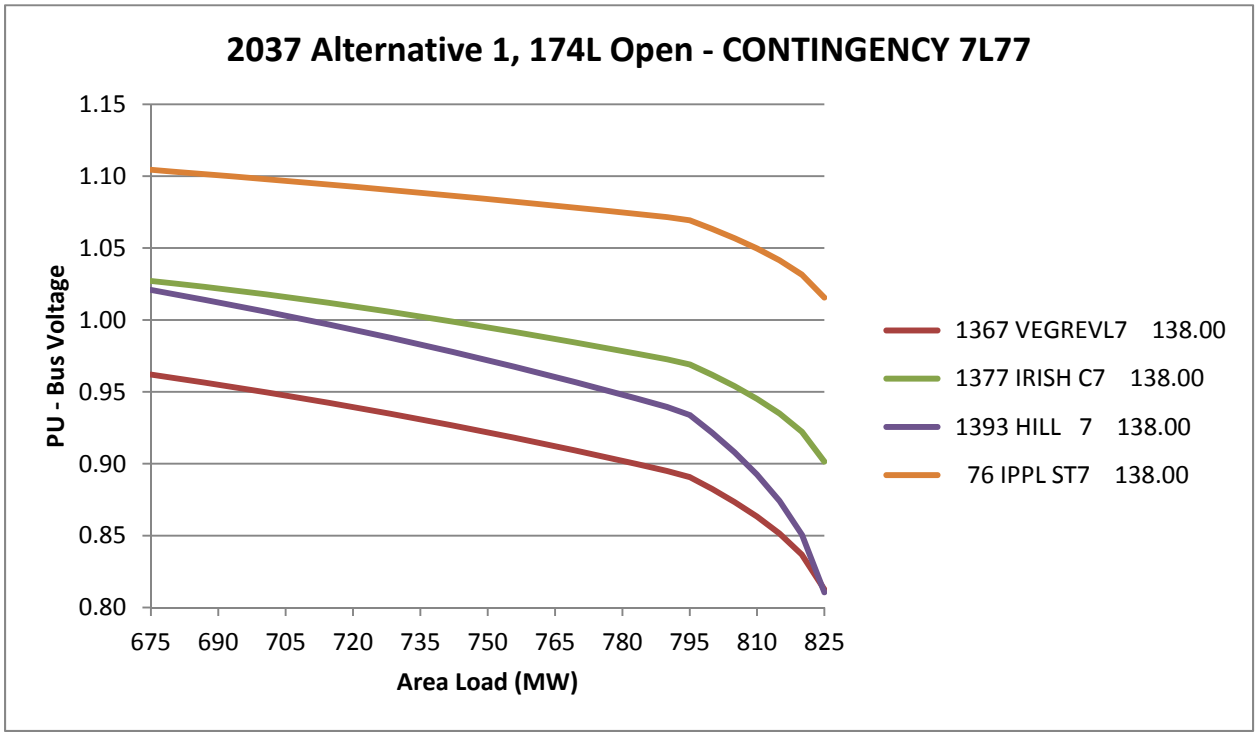


Figure D-40: PV Plots for 2037 Alternative 1, 174L Open, under 7L794 Contingency

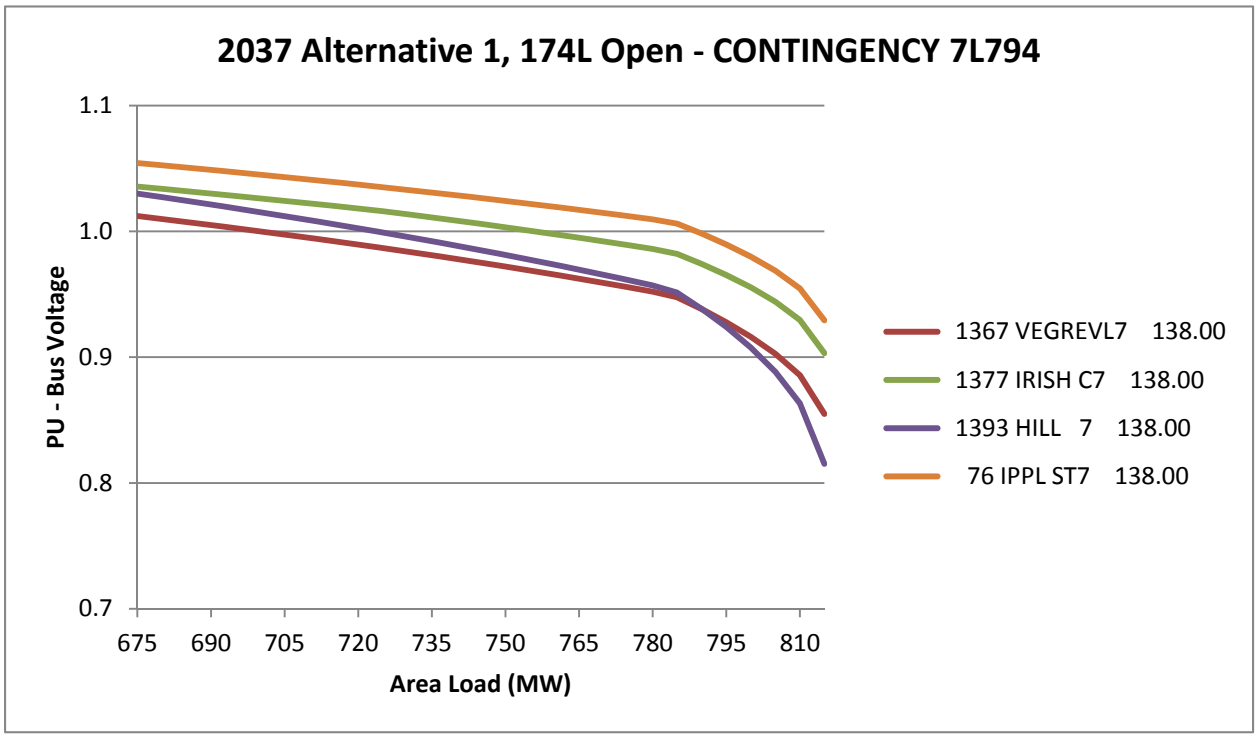


Figure D-41: PV Plots for 2037 Alternative 1, 174L Open, under Battle River 757S 240/144 kV Transformer Contingency

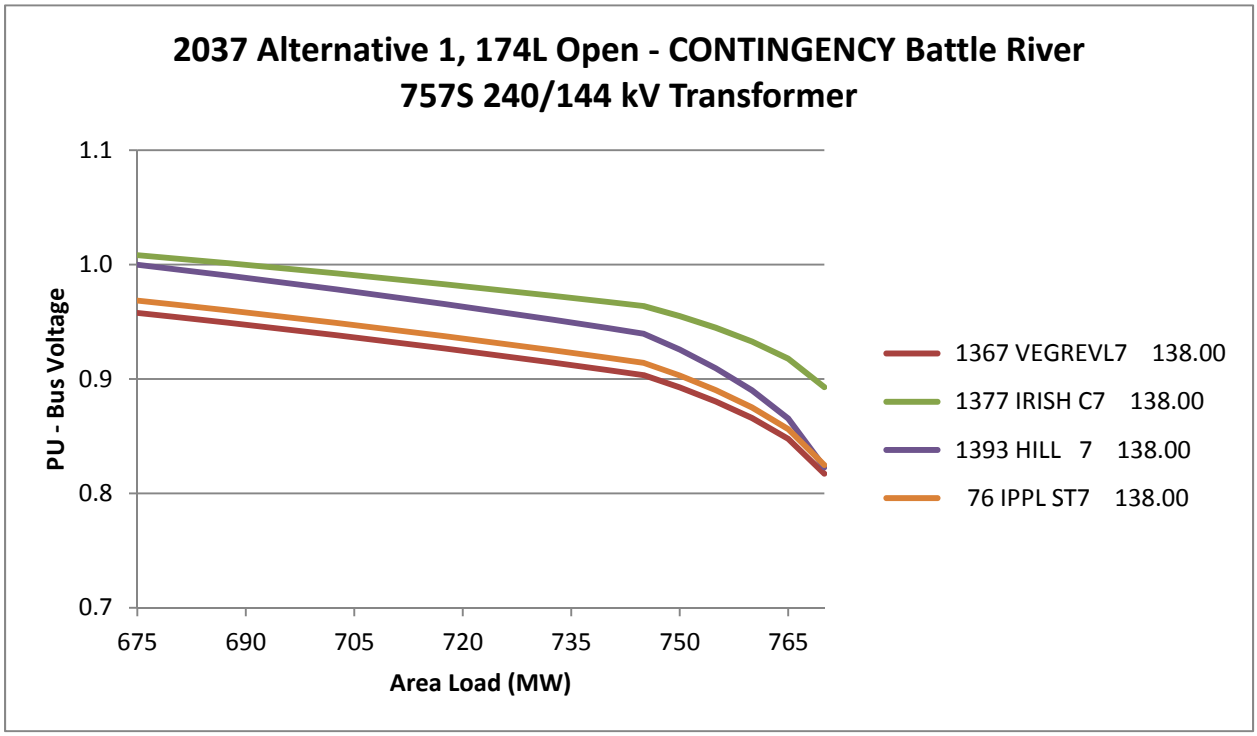


Figure D-42: PV Plots for 2037 Alternative 1, 174L Open, under Drury-Nilrem Line Contingency

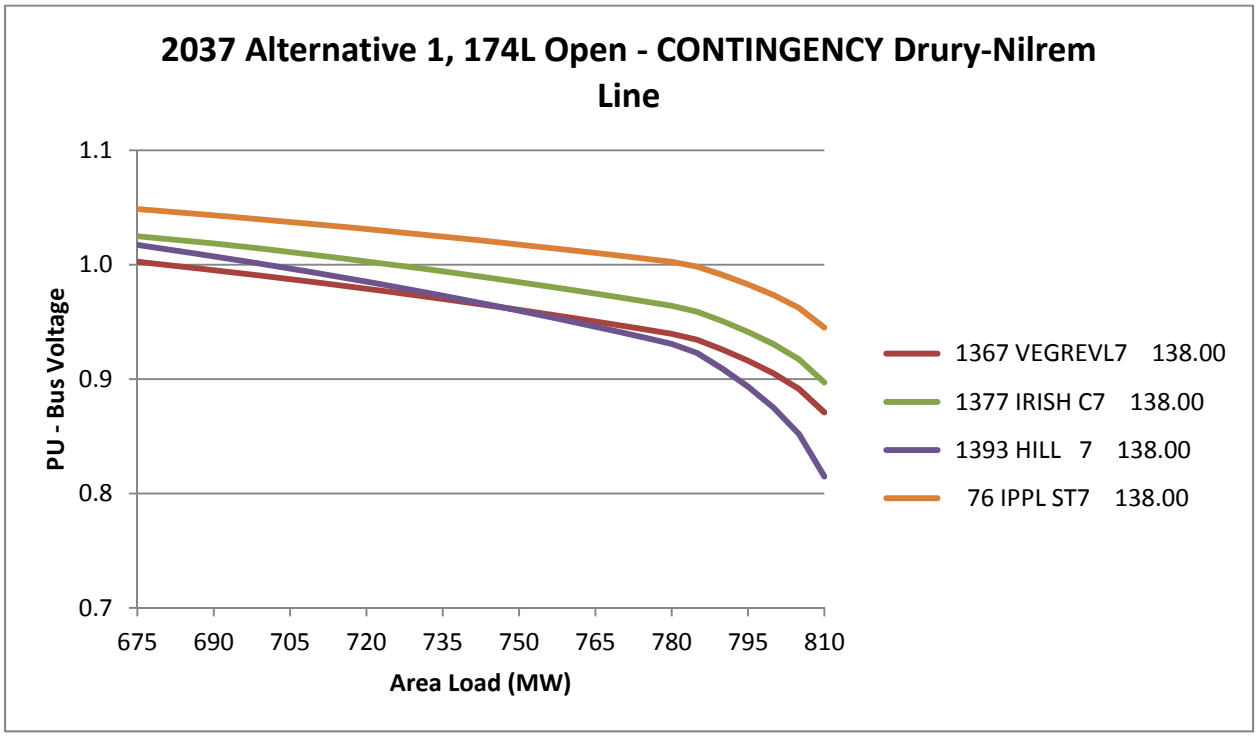
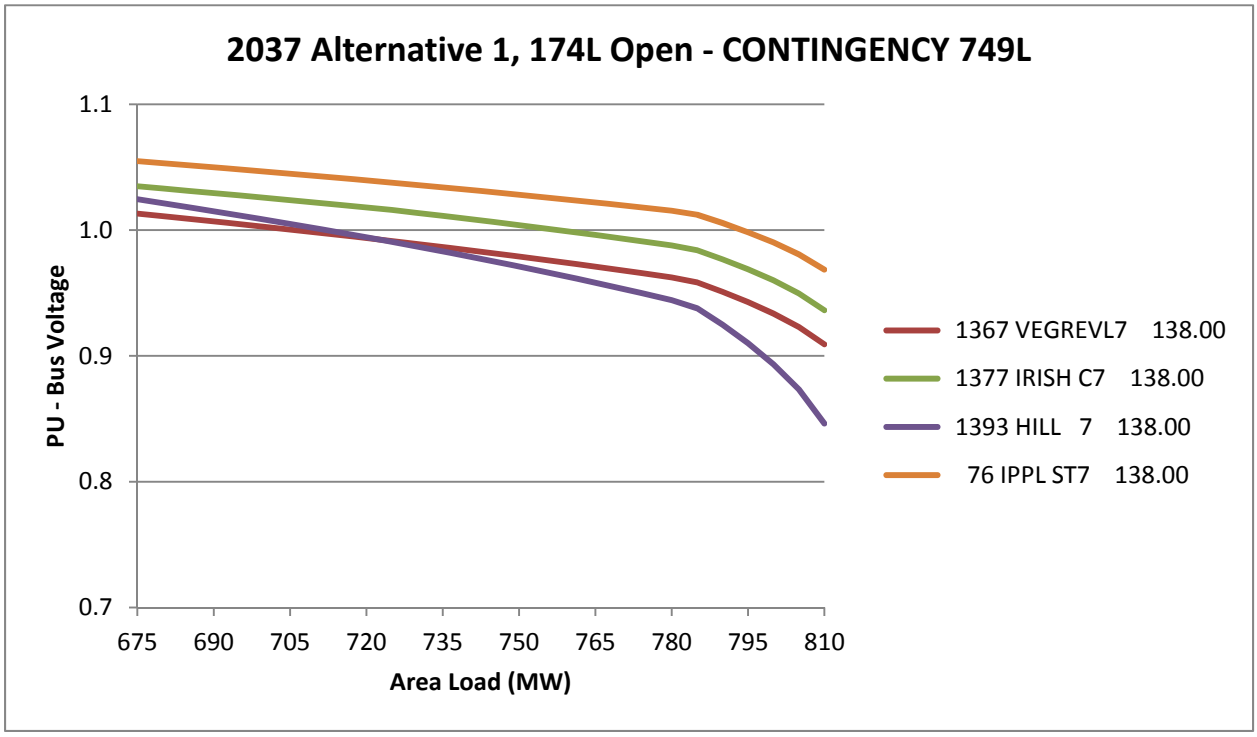


Figure D-43: PV Plots for 2037 Alternative 1, 174L Open, under 749L Contingency



Alternative 2@ 240 kV Voltage Stability Plots 2037, 174L Open

Figure D-44: PV Plots for 2037 Alternative 2@240kV, 174L Open, under System Normal Condition

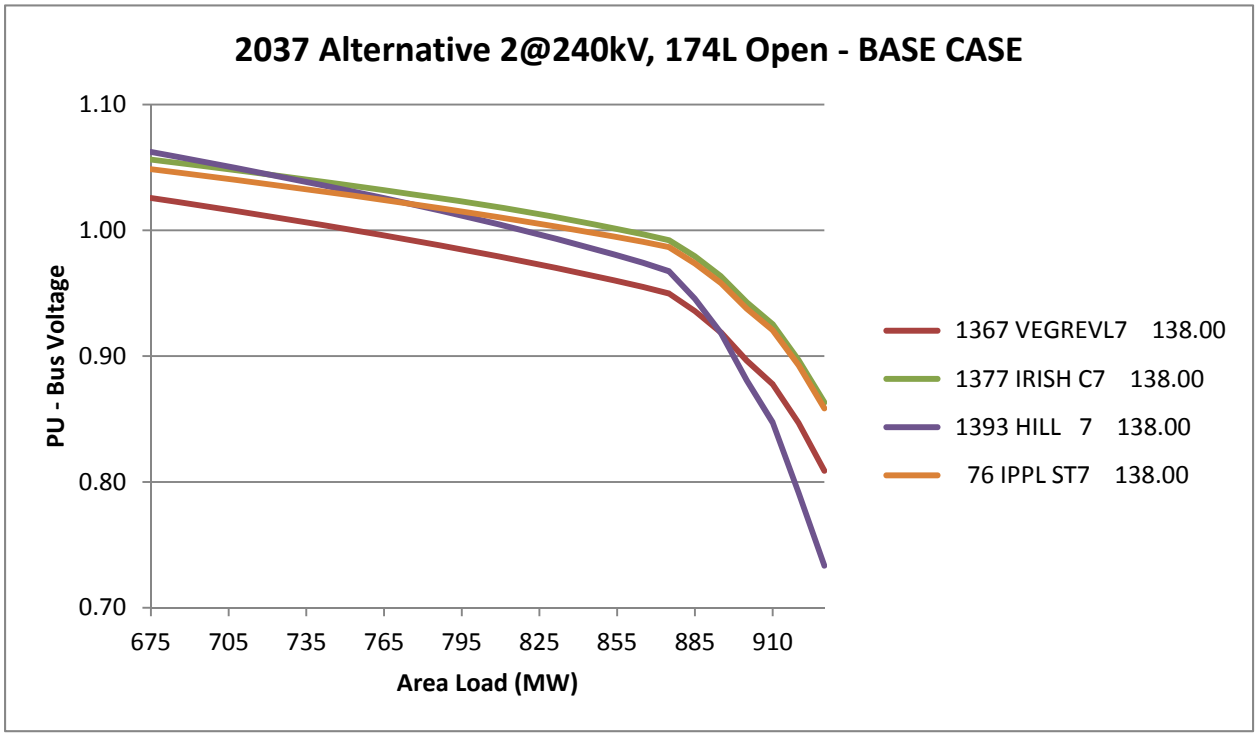


Figure D-45: PV Plots for 2037 Alternative 2@240kV, 174L Open, under 7L130 Contingency

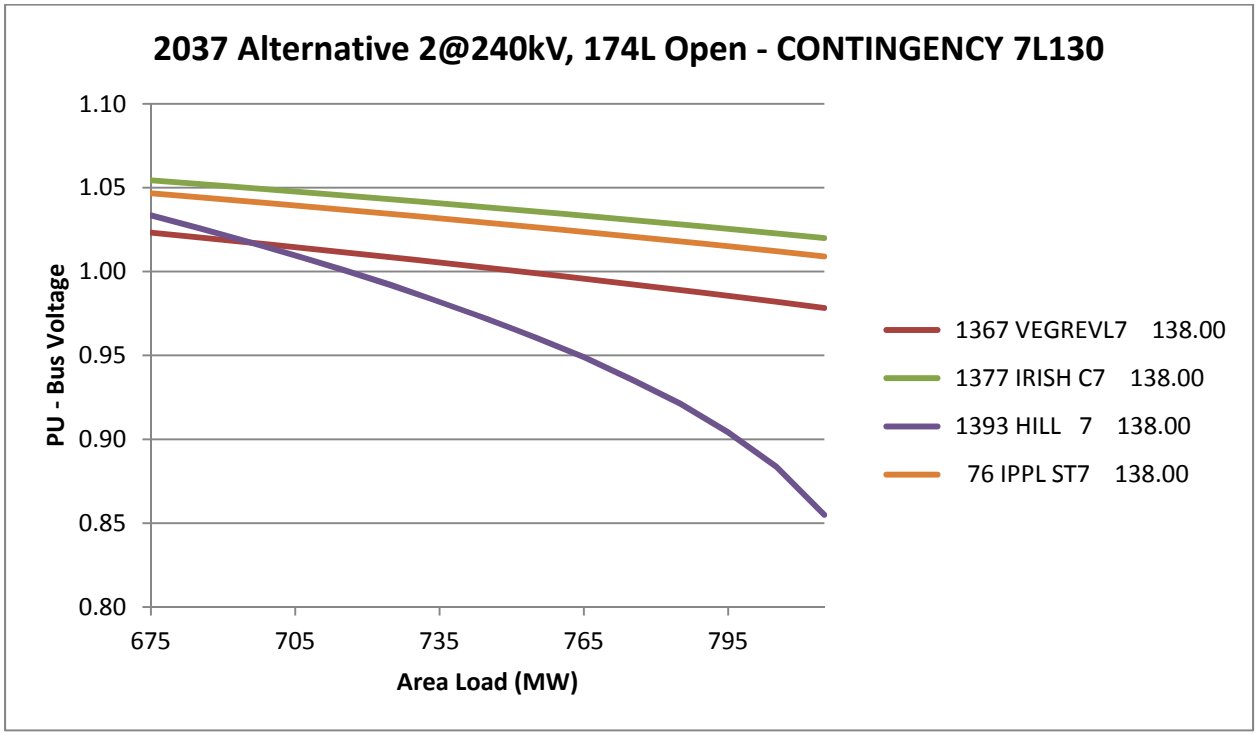


Figure D-46: PV Plots for 2037 Alternative 2@240kV, 174L Open, under 7L53 Contingency

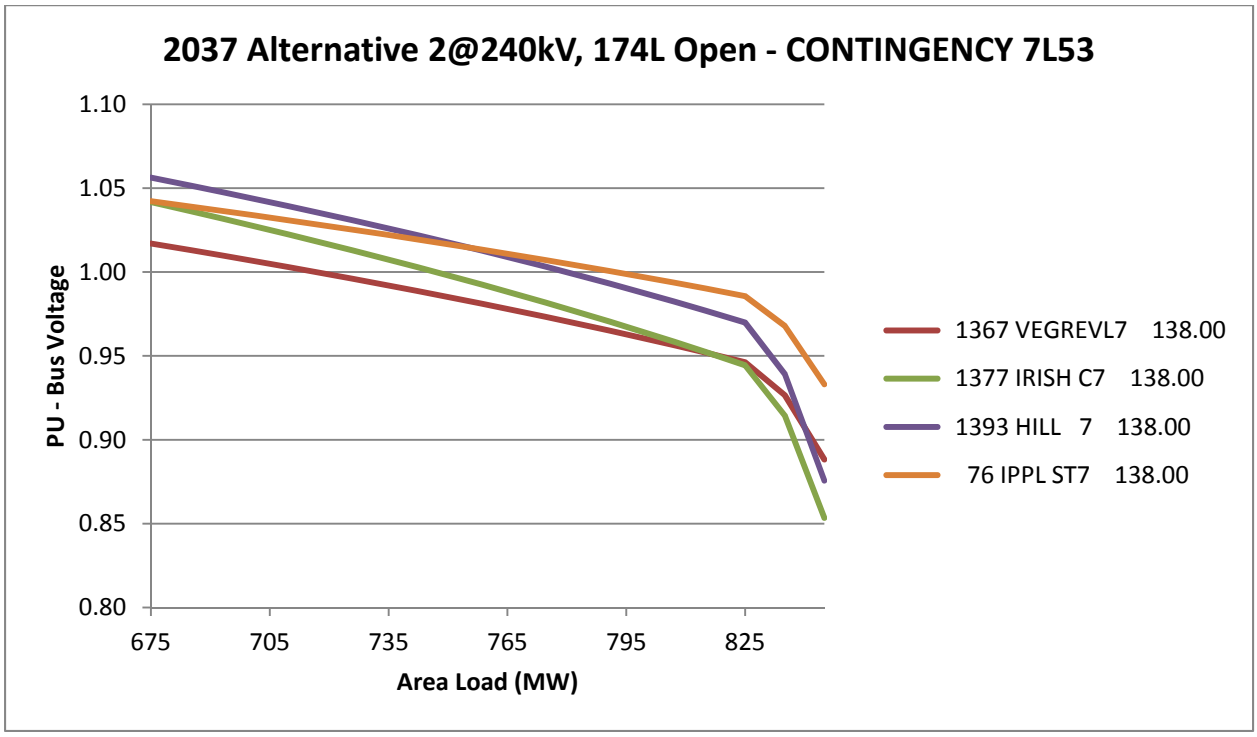


Figure D-47: PV Plots for 2037 Alternative 2@240kV, 174L Open, under 7L701 Contingency

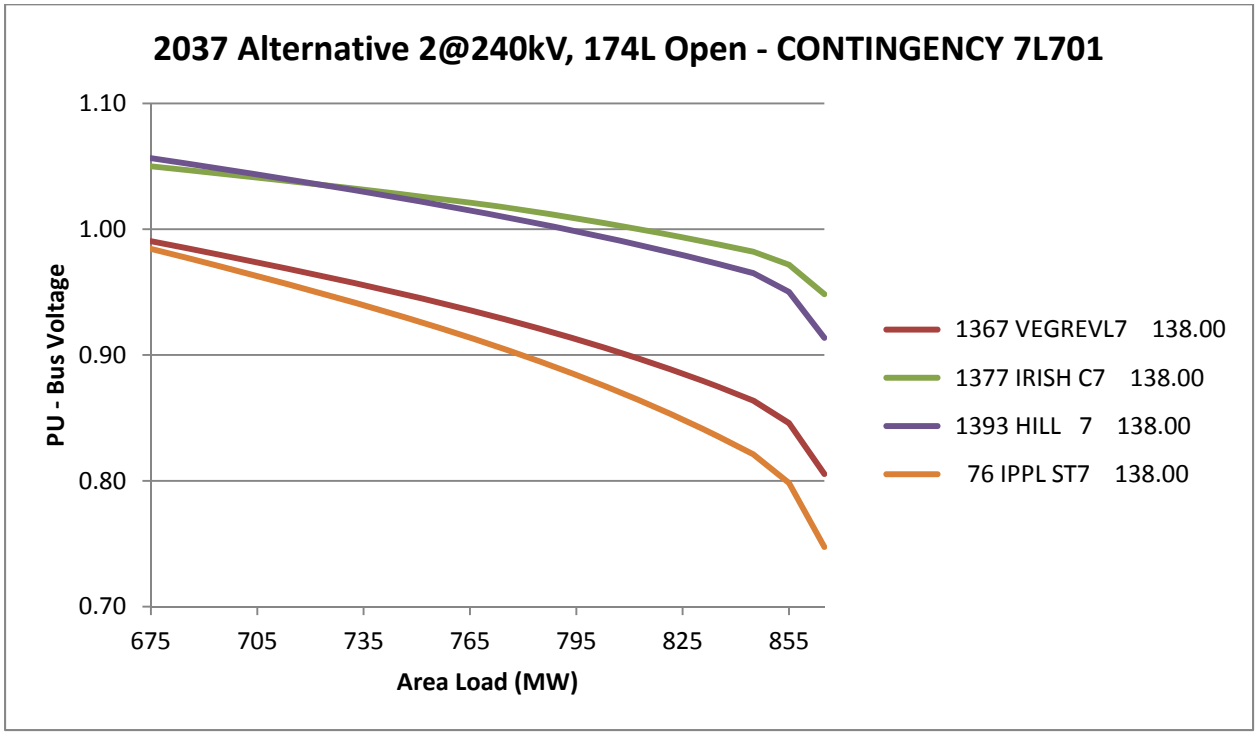


Figure D-48: PV Plots for 2037 Alternative 2@240kV, 174L Open, under 9L46 Contingency

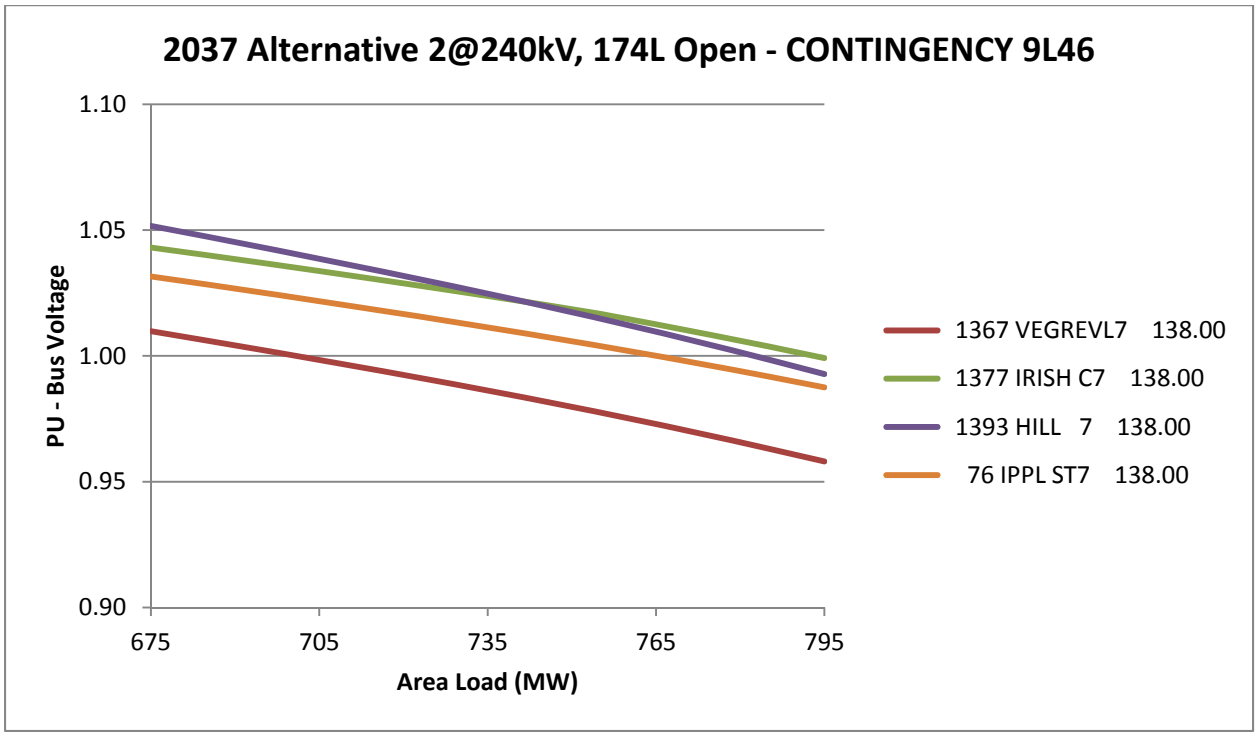


Figure D-49: PV Plots for 2037 Alternative 2@240kV, 174L Open, under 7L92 Contingency

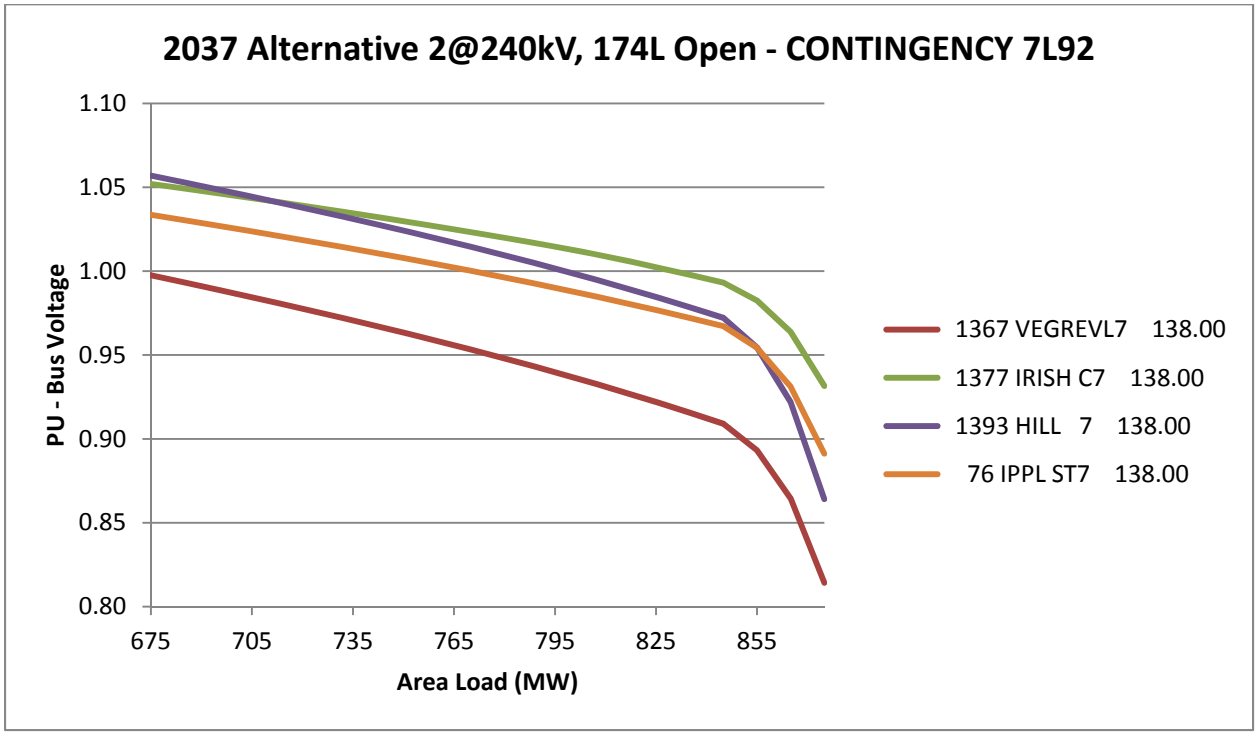


Figure D-50: PV Plots for 2037 Alternative 2@240kV, 174L Open, under 7L77 Contingency

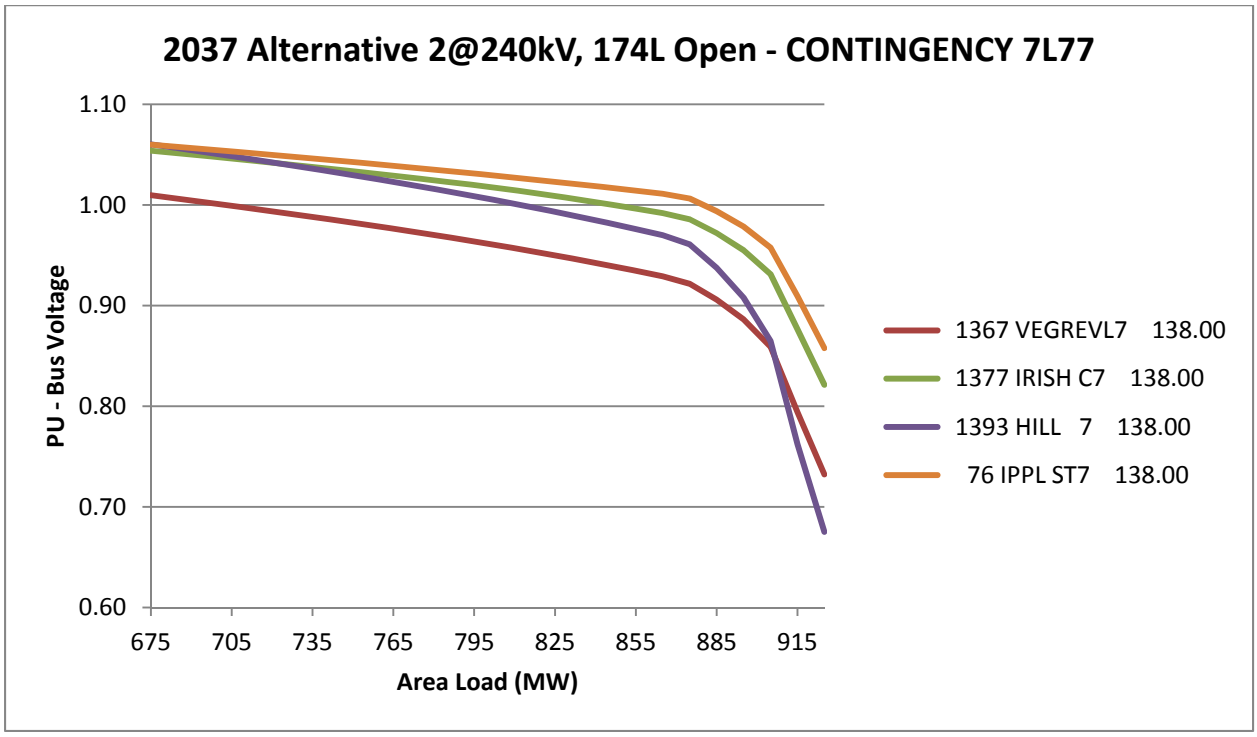


Figure D-51: PV Plots for 2037 Alternative 2@240kV, 174L Open, under 7L794 Contingency

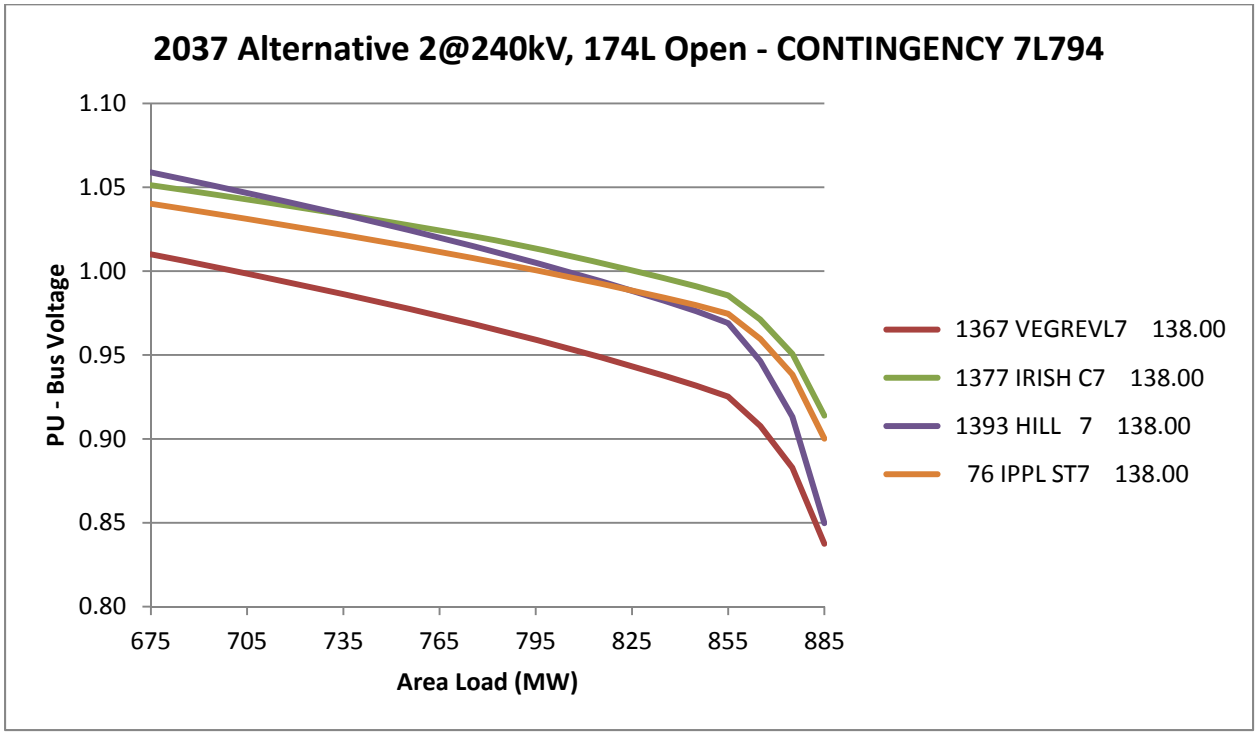


Figure D-52: PV Plots for 2037 Alternative 2@240kV, 174L Open, under Battle River 757S 240/144 kV Transformer Contingency

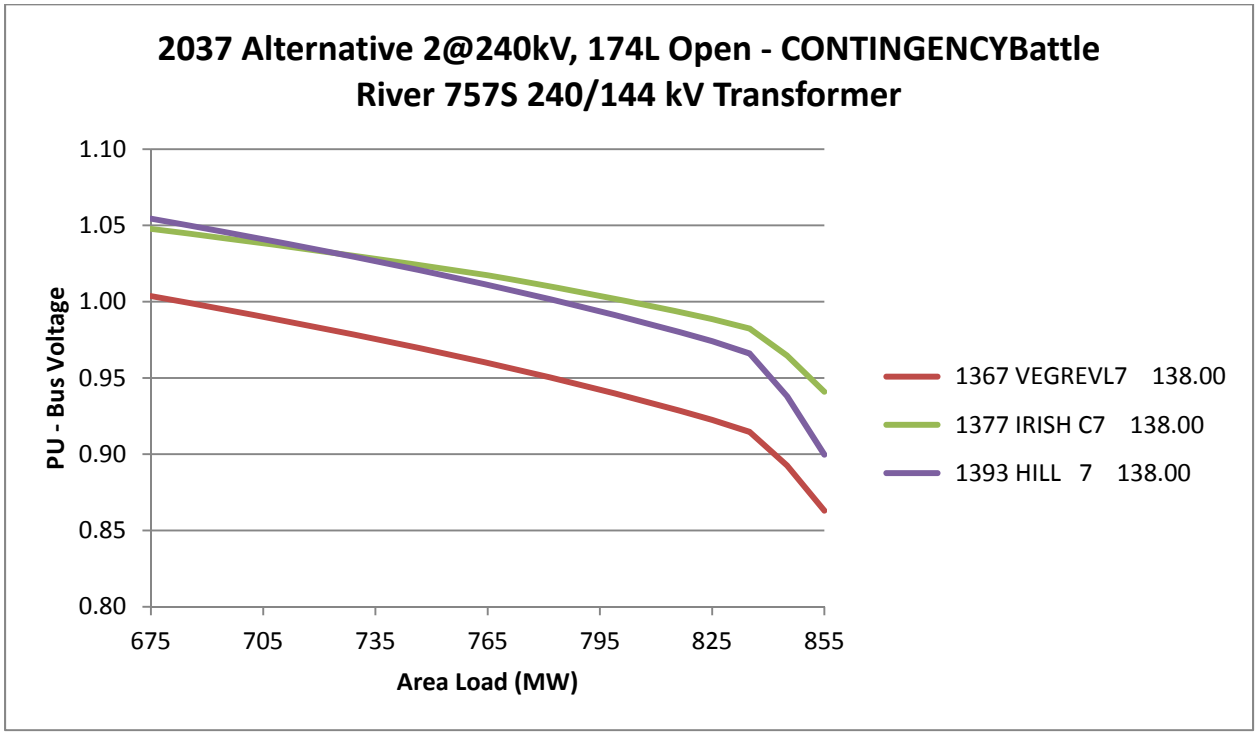


Figure D-53: PV Plots for 2037 Alternative 2@240kV, 174L Open, under Drury-Nilrem Line Contingency

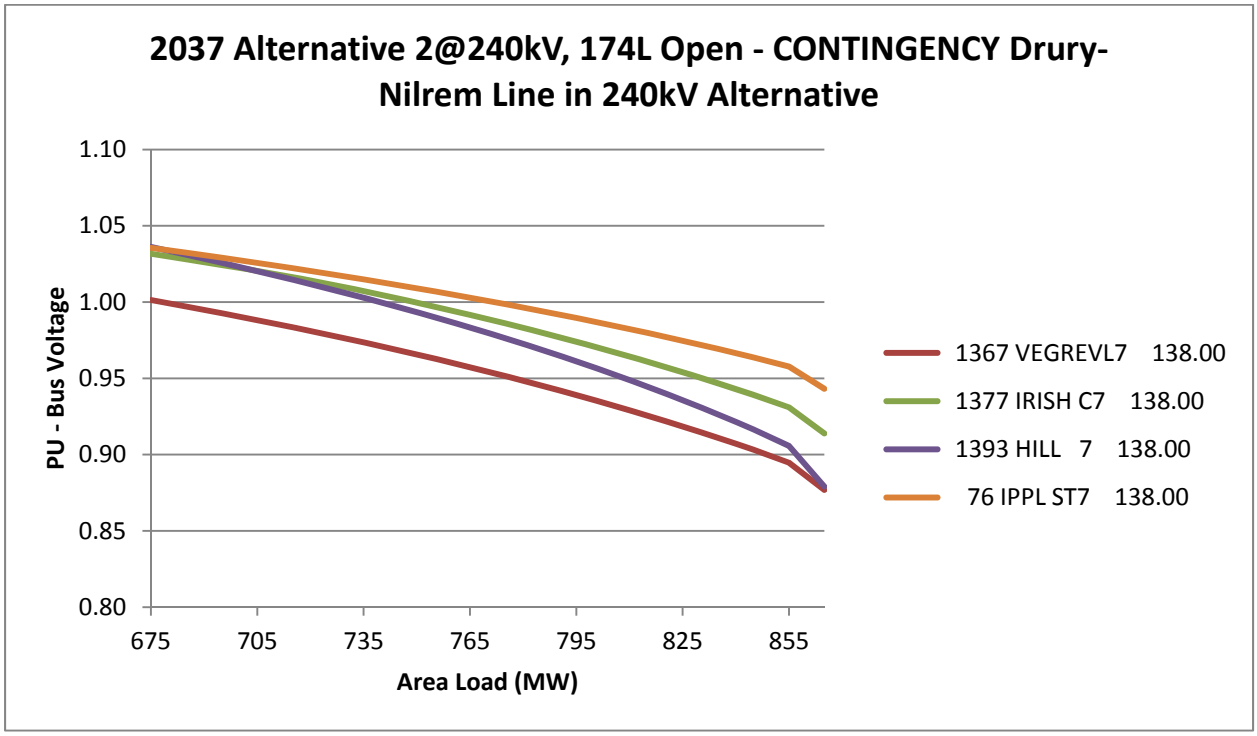
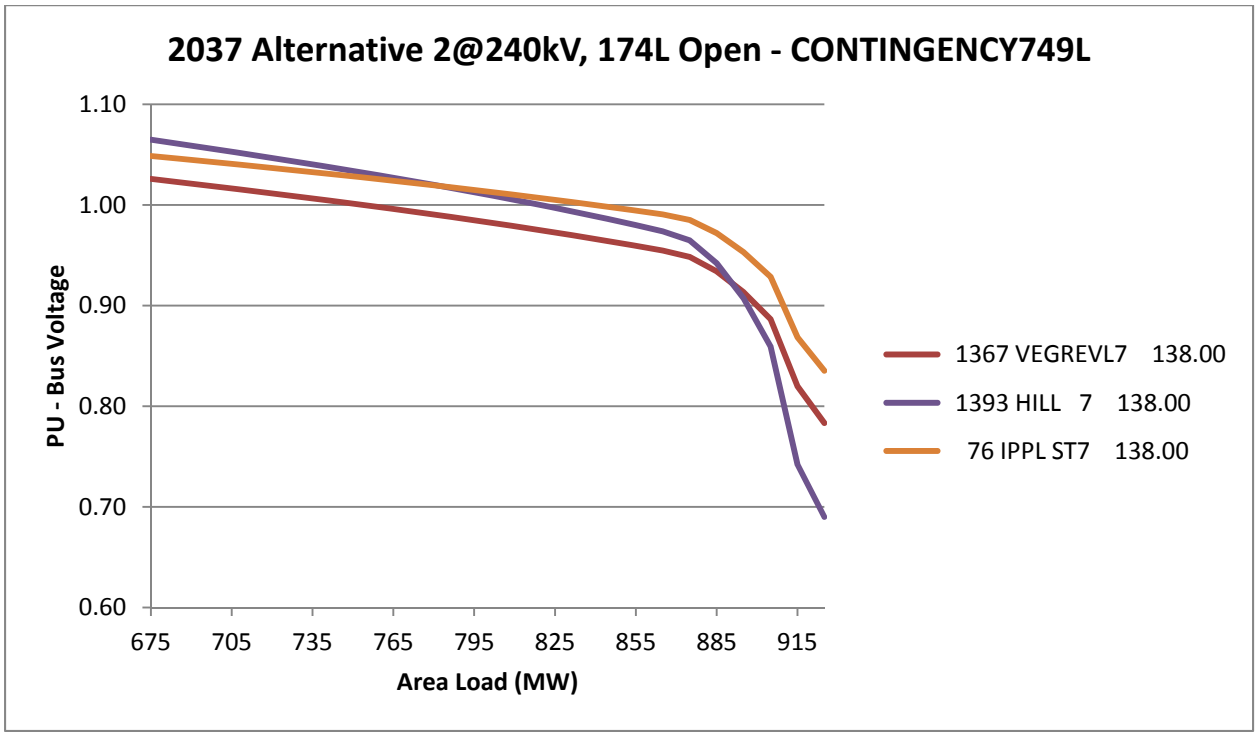


Figure D-54: PV Plots for 2037 Alternative 2@240kV, 174L Open, under 749L Contingency



Prior to PENV Development 2021, Category C, Voltage Stability Plots

Figure D-55: PV Plots for 2021 Prior to PENV Development, under 9L80+9L79 Contingency

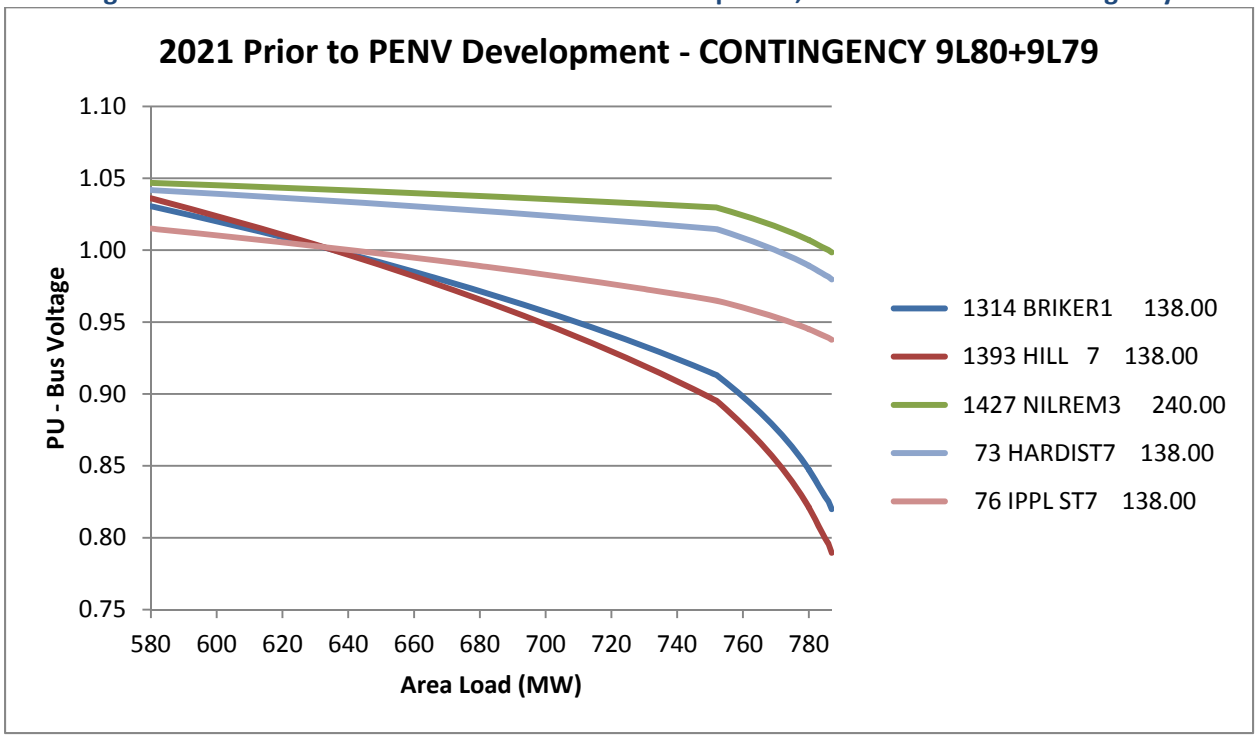


Figure D-56: PV Plots for 2021 Prior to PENV Development, under 7L14+7L130 Contingency

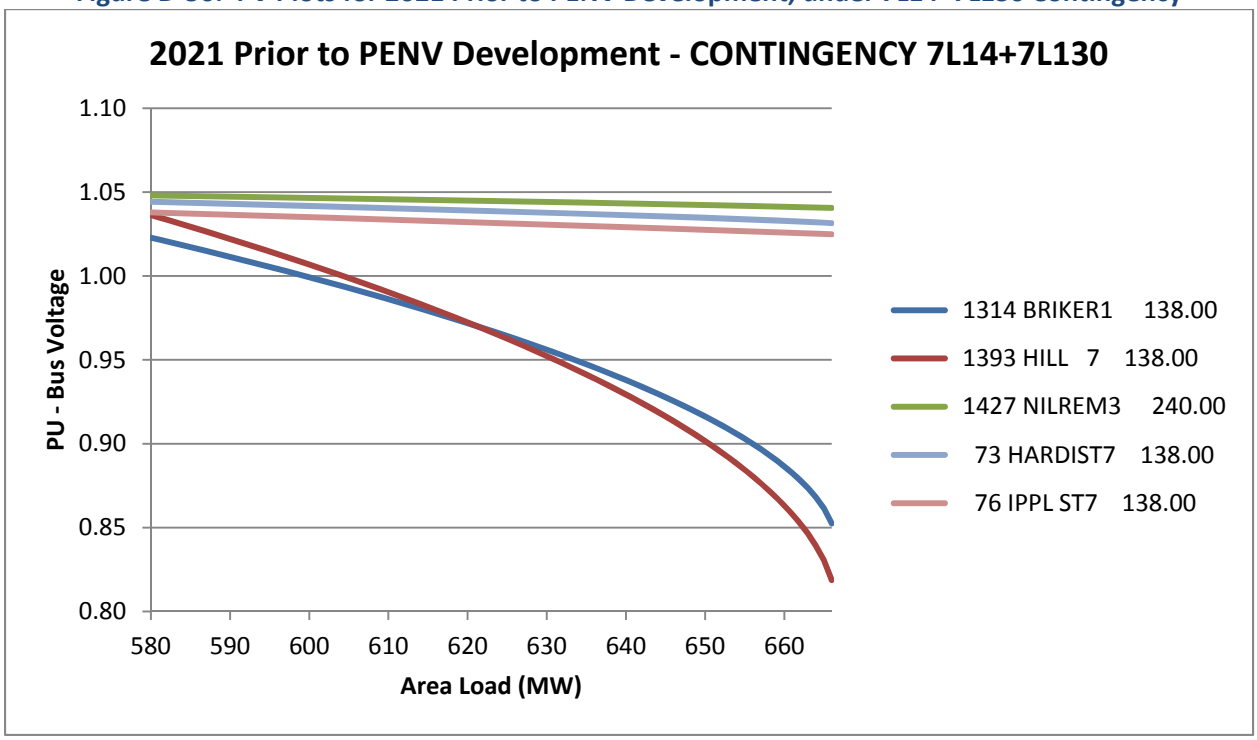
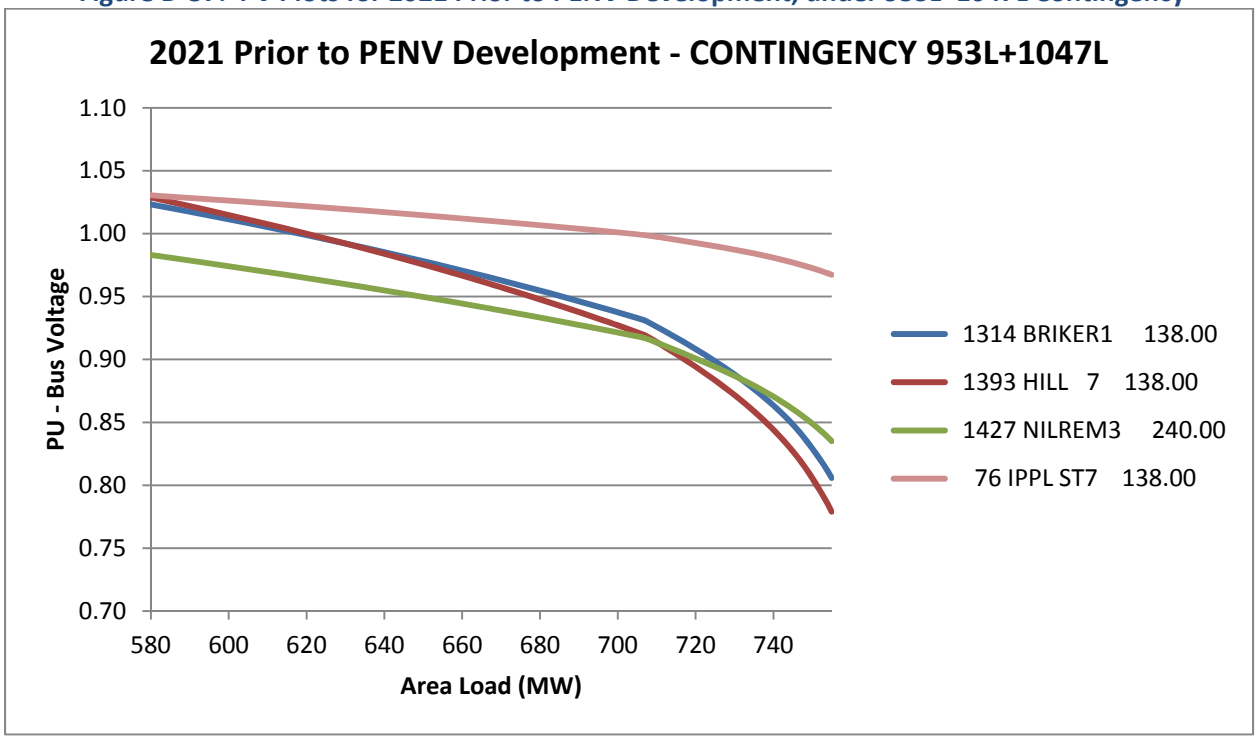


Figure D-57: PV Plots for 2021 Prior to PENV Development, under 953L+1047L Contingency



Alternative 1 2021, Category C, Voltage Stability Plots

Figure D-58: PV Plots for Alternative 1 2021, under 9L80+9L79 Contingency

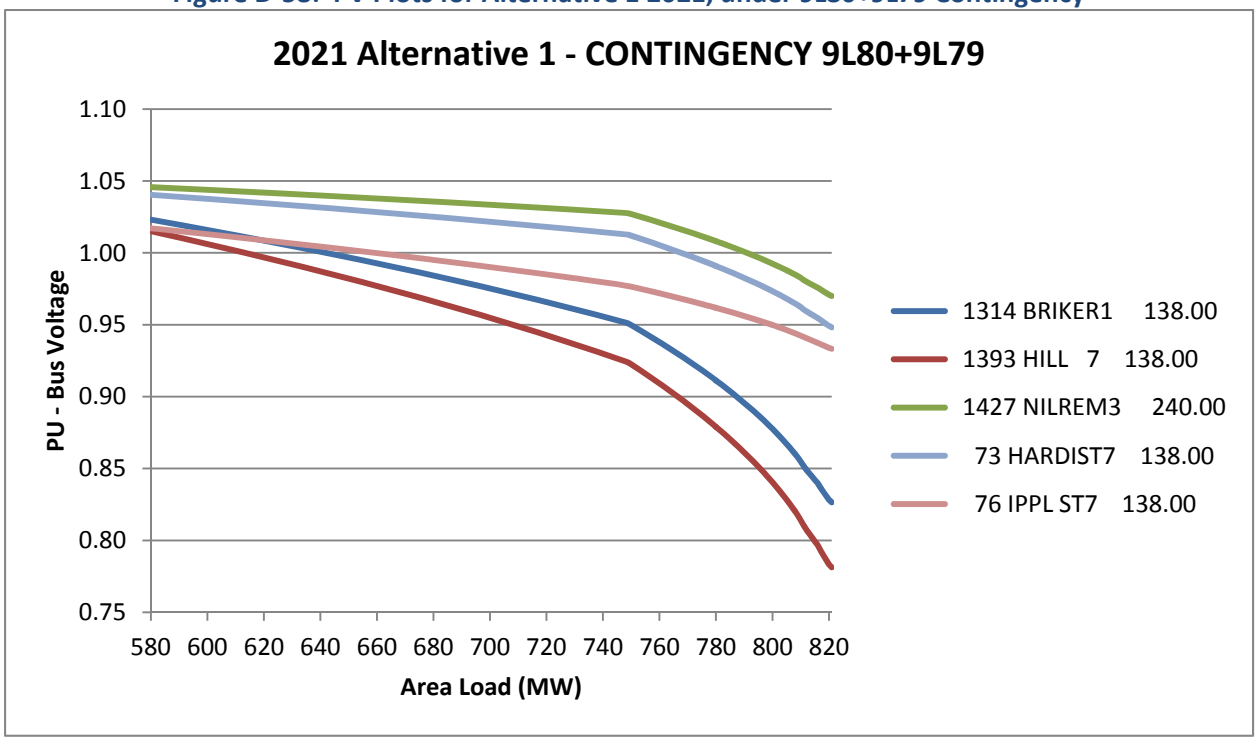


Figure D-59: PV Plots for Alternative 1 2021, under 7L14+7L130 Contingency

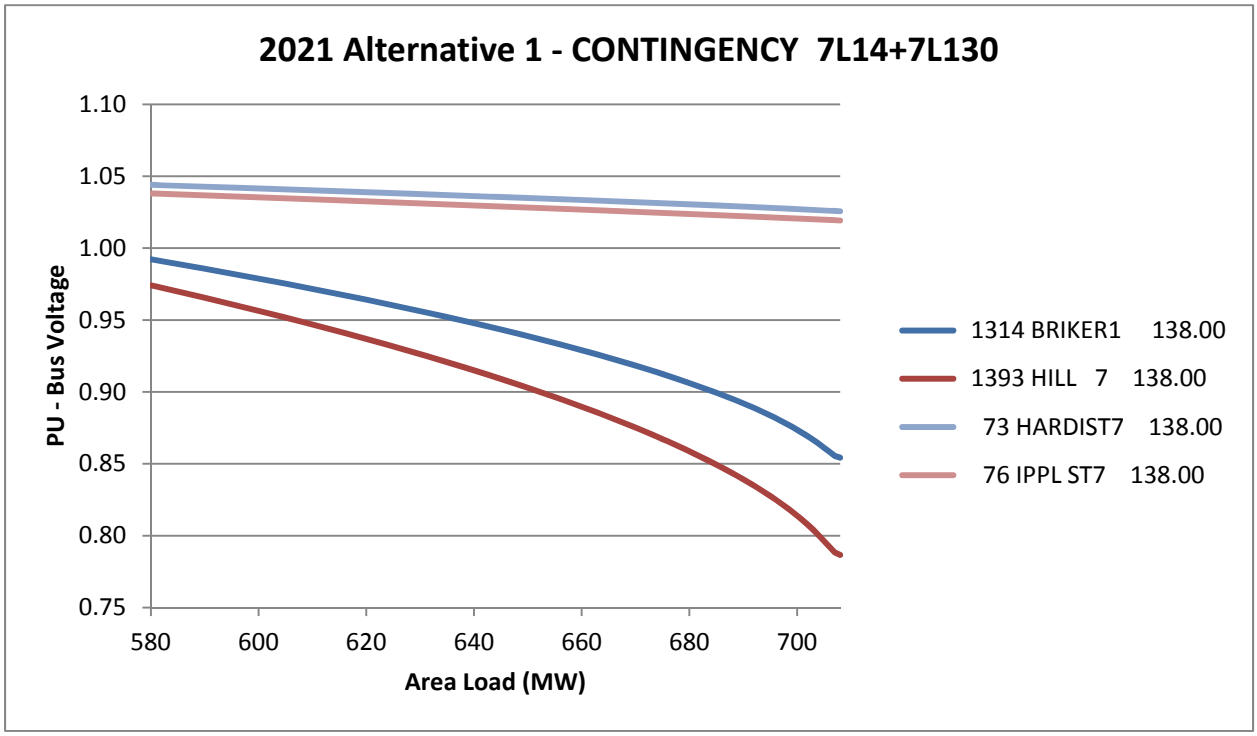
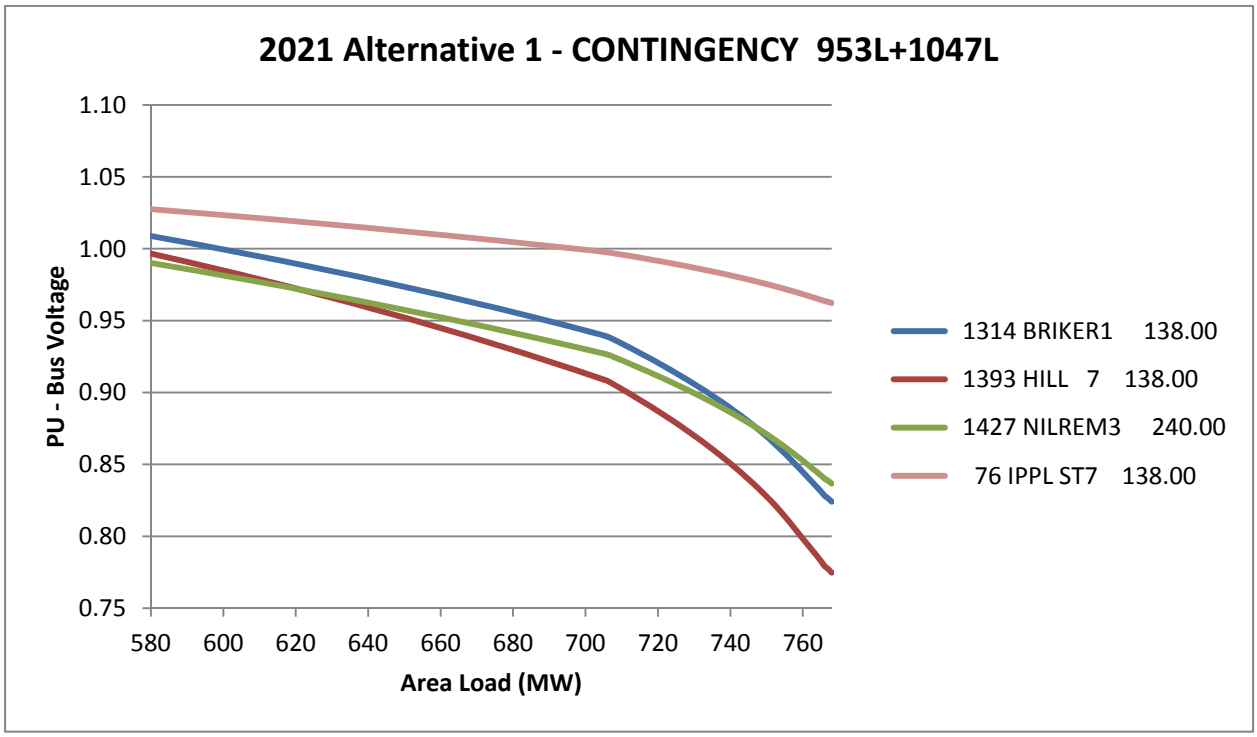


Figure D-60: PV Plots for Alternative 1 2021, under 953L+1047L Contingency



Alternative 2@240 kV 2021, Category C, Voltage Stability Plots

Figure D-61: PV Plots for Alternative 2@240 kV 2021, under 9L80+9L79 Contingency

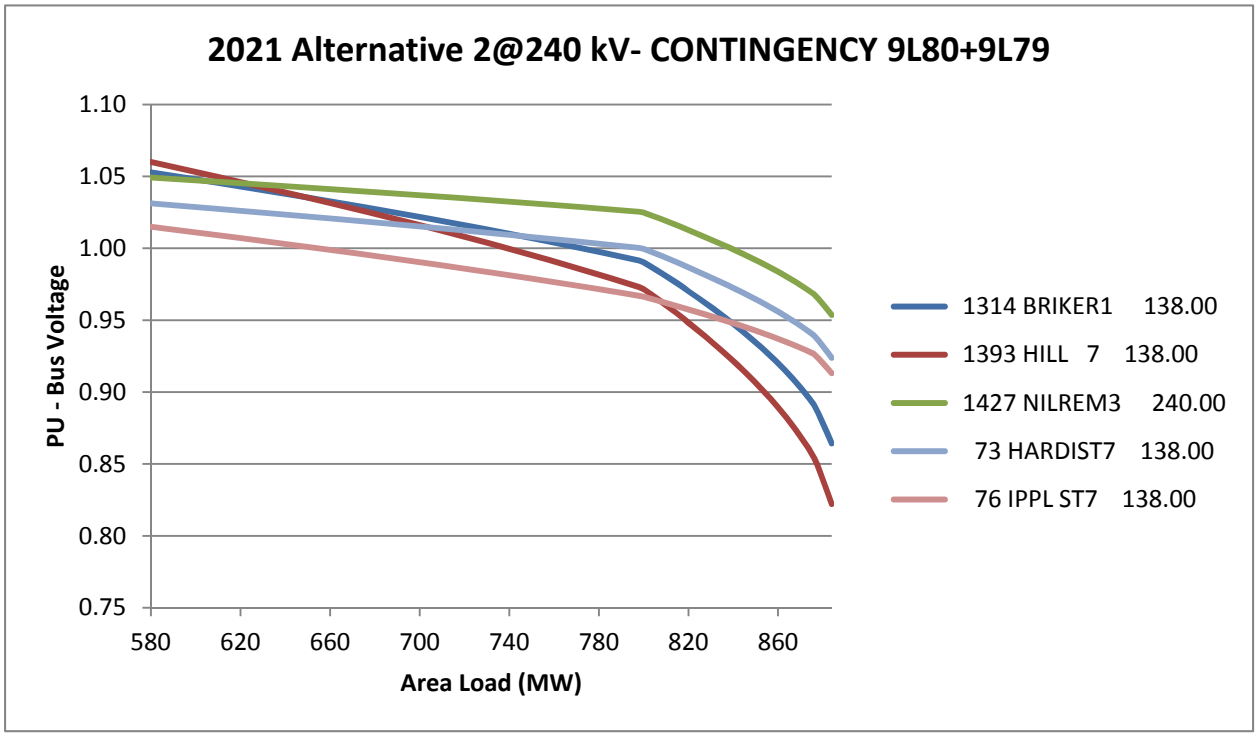


Figure D-62: PV Plots for Alternative 2@ 240 kV 2021, under 7L14+7L130 Contingency

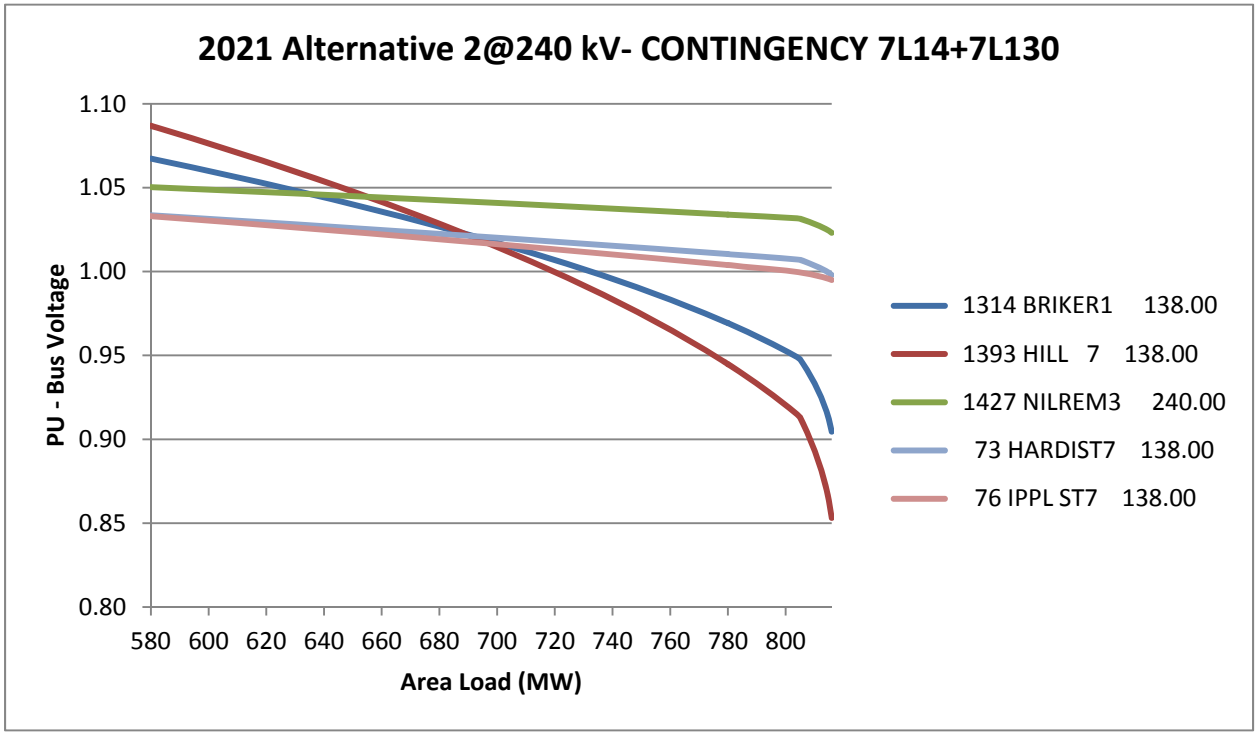
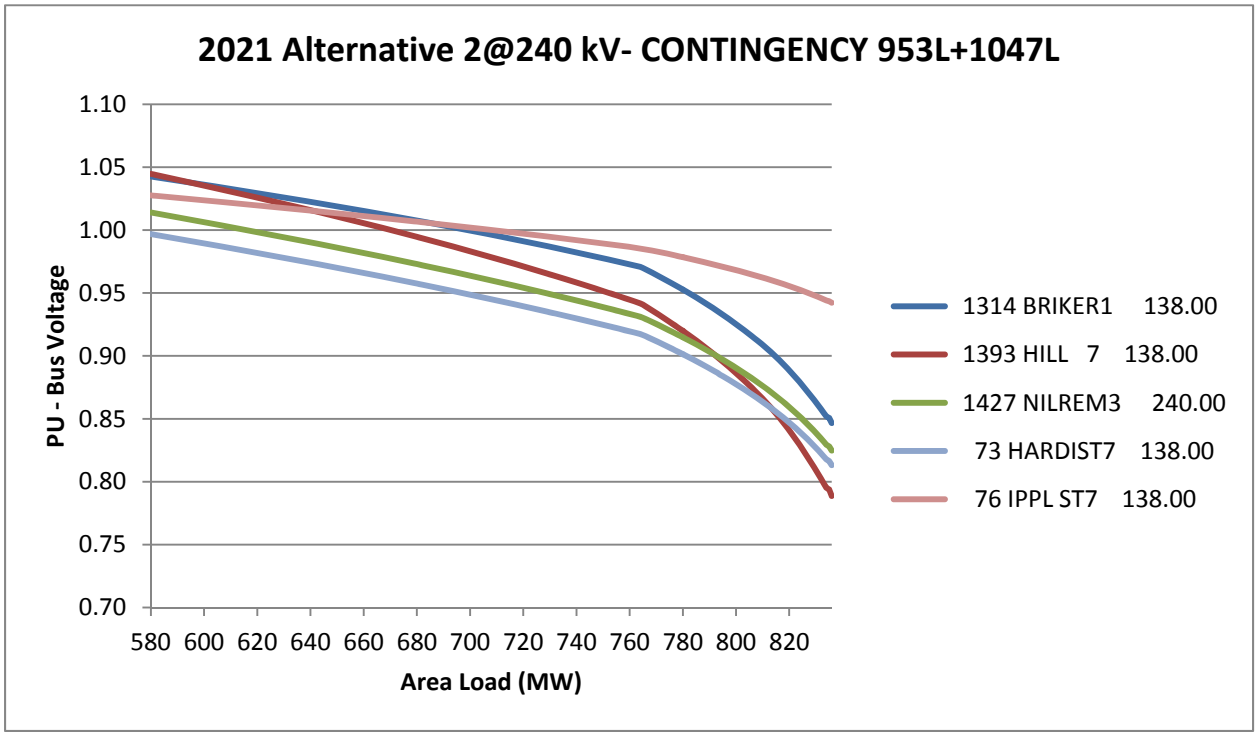


Figure D-63: PV Plots for Alternative 2@ 240 kV 2021, under 953L+1047L Contingency



Alternative 1 2037, Category C, Voltage Stability Plots

Figure D-64: PV Plots for Alternative 1 2037, under 9L80+9L79 Contingency

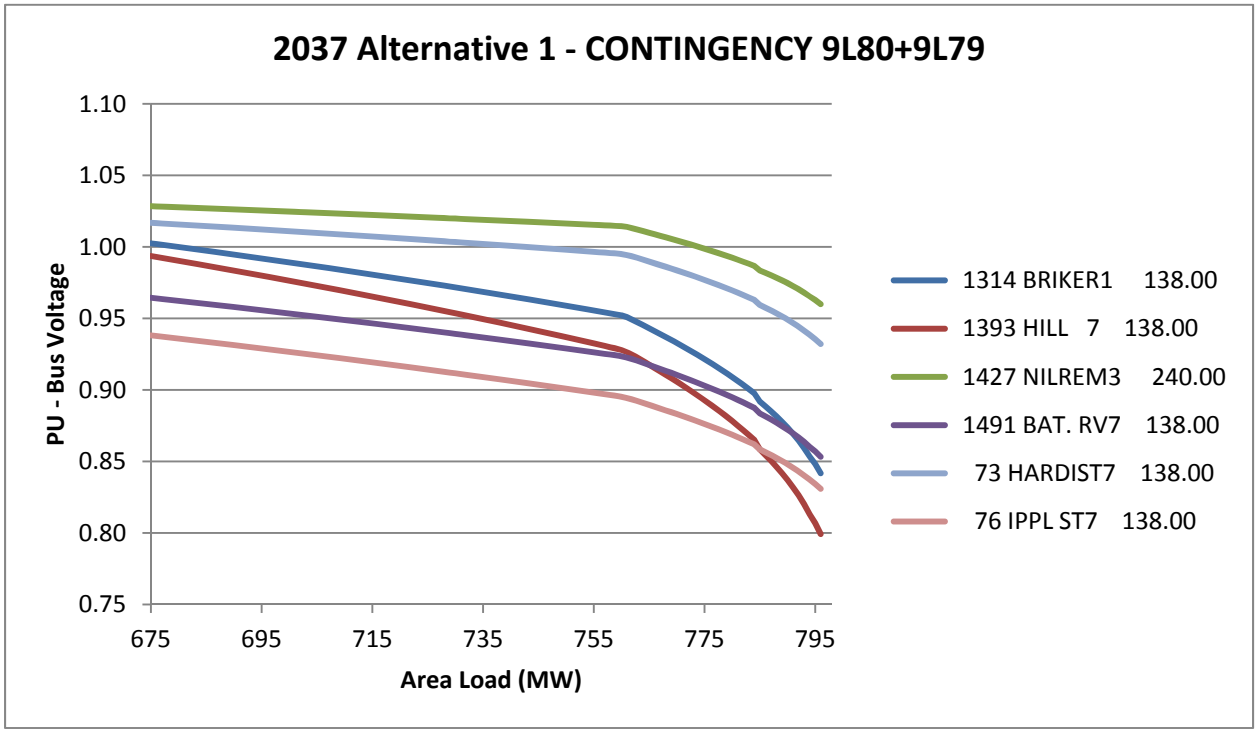


Figure D-65: PV Plots for Alternative 1 2037, under 7L14+7L130 Contingency

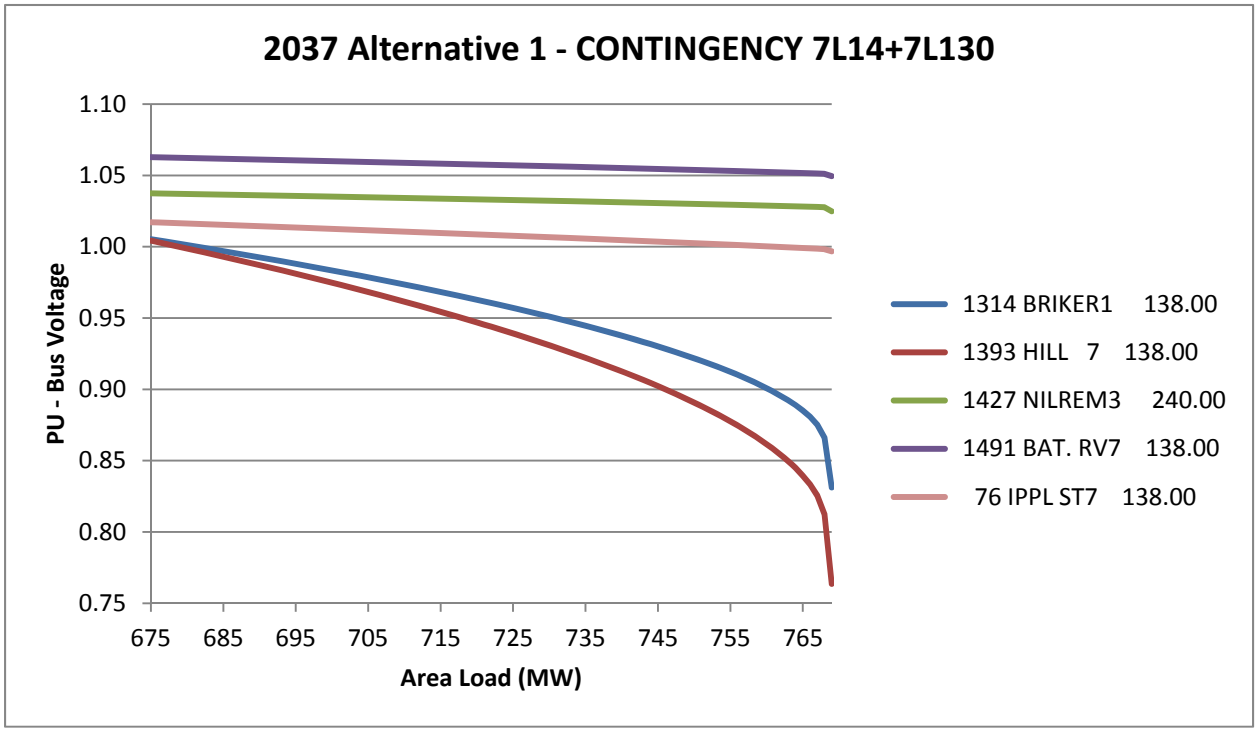
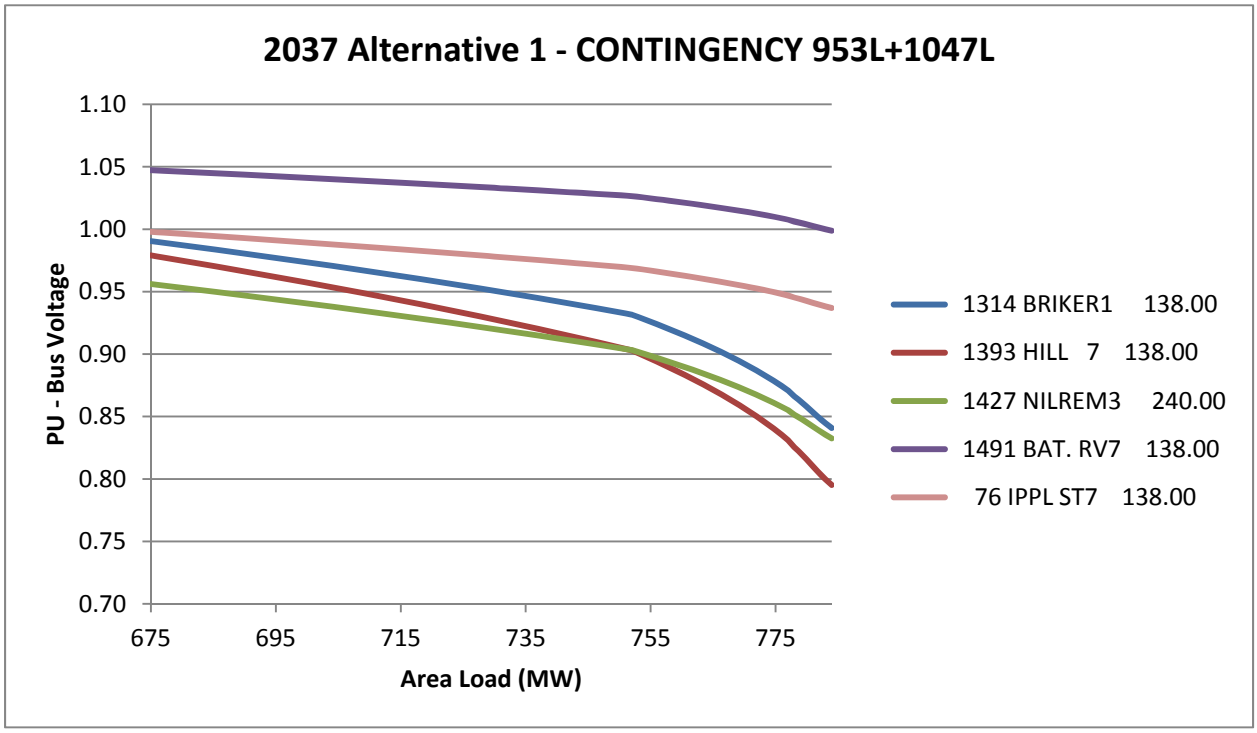


Figure D-66: PV Plots for Alternative 1 2037, under 953L+1047L Contingency



Alternative 2@ 240 kV 2037, Category C, Voltage Stability Plots

Figure D-67: PV Plots for Alternative 2@ 240 kV 2037, under 9L80+9L79 Contingency

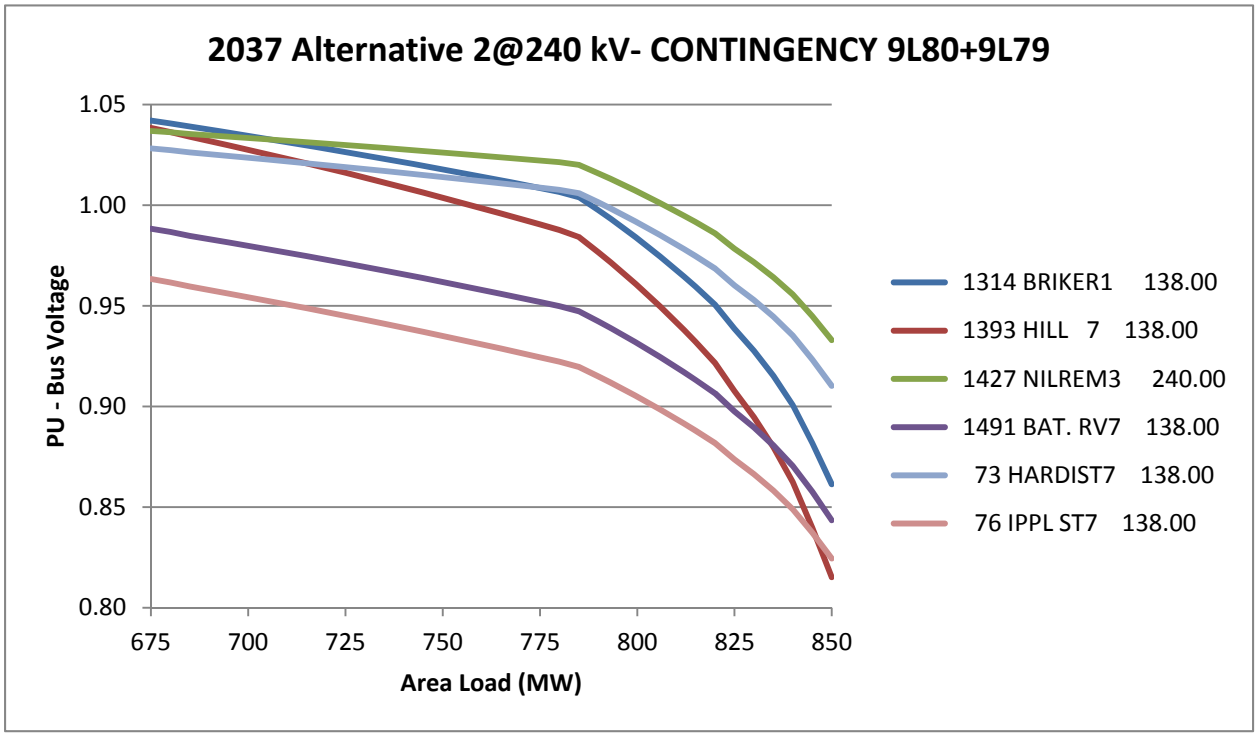


Figure D-68: PV Plots for Alternative 2@ 240 kV 2037, under 7L14+7L130 Contingency

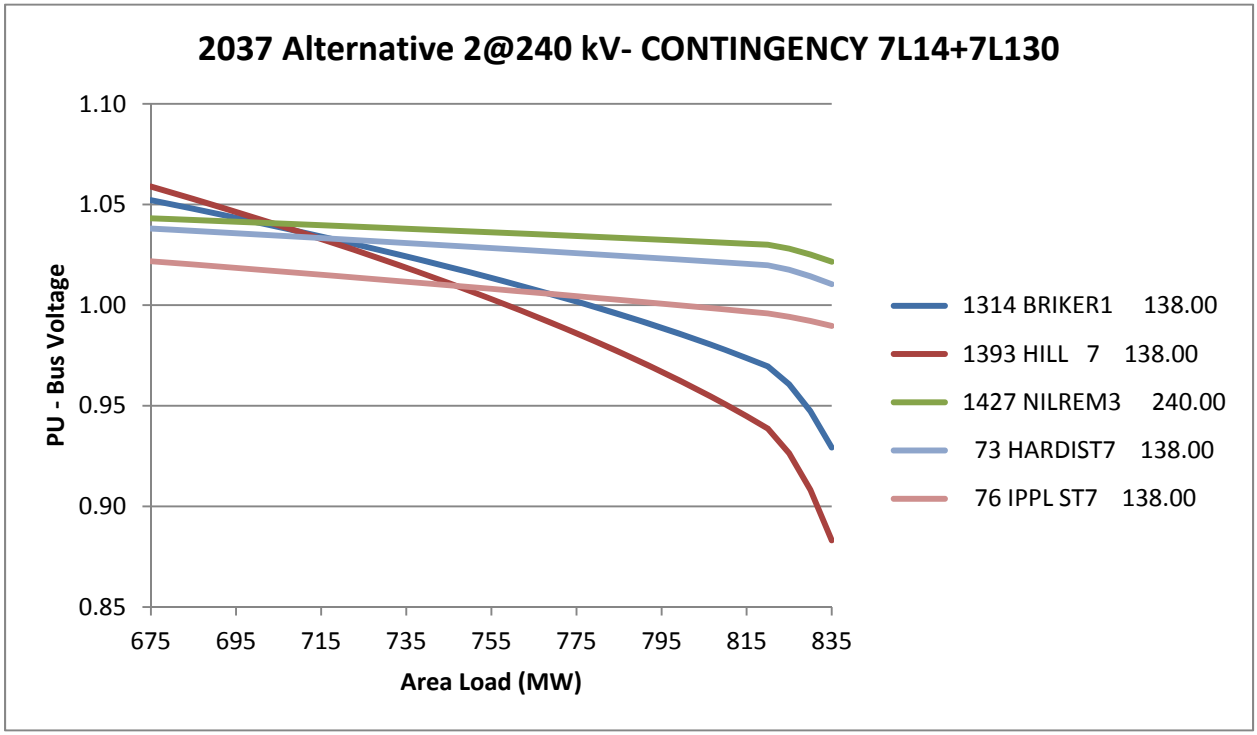
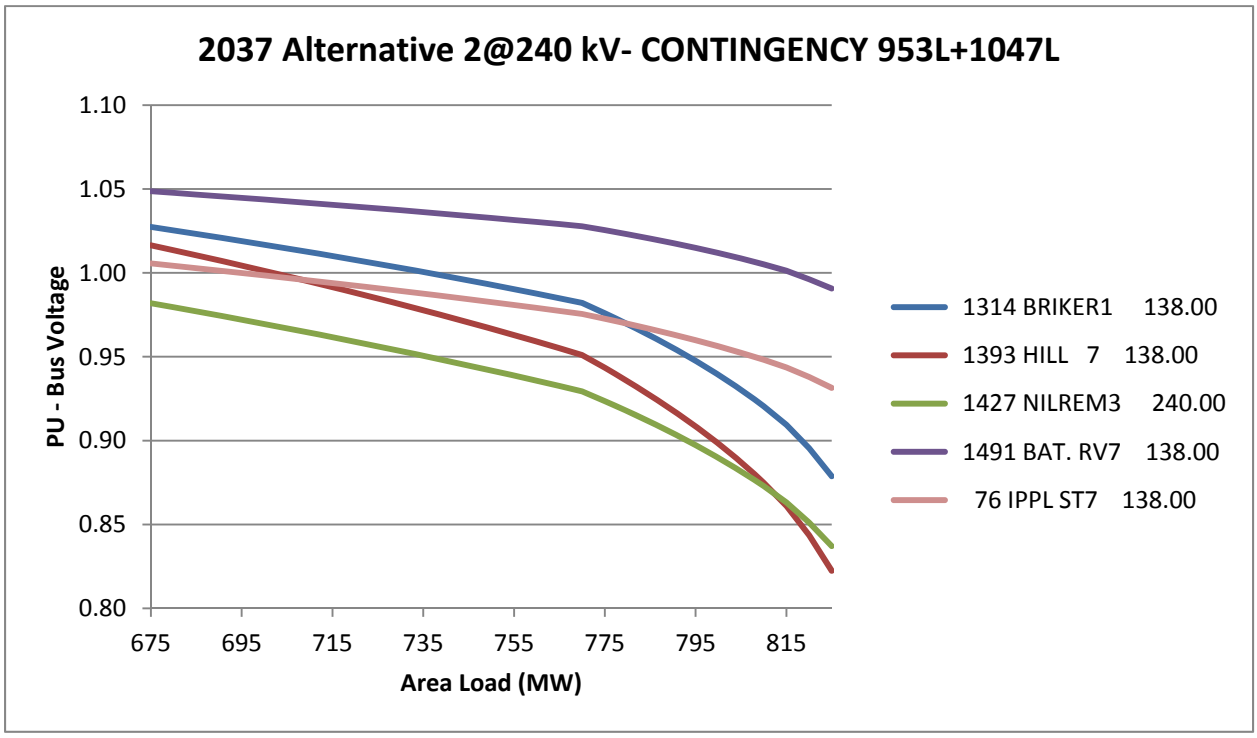


Figure D-69: PV Plots for Alternative 2@ 240 kV 2037, under 953L+1047L Contingency



Appendix F

Short Circuit Analysis

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Short circuit analysis was performed based on system data[1] available with the AESO for the Central East Region, including Alliance, Cold Lake, Hanna, Lloydminster, Provost, Vegreville, and Wainwright areas. The objective of the short circuit analysis was to estimate short circuit levels for the existing system and planned system. The short circuit levels were estimated for the existing system and future system with proposed Alternative 2 in the near term (Year 2021) and future system with proposed 138 kV/240 kV plan (Alternative 1/ Alternative 2 / Alternative 2@240 kV) in the 20 year planning horizon (Year 2037).

Listed below were the basic assumptions adopted in the short circuit analysis:

- Study Scenarios:

Study Year	Study Case	System Condition	174L/7L92/7L53 Status
2021	Case05 (2021 WP, High Generation)	Existing (without plan)	All Close
		Alternative 2	All Close
2037	Case10a (2037 WP, High Generation)	Alternative 1	All Close
			All Open[1]
		Alternative 2	All Close
			All Open[1]
		Alternative 2 @ 240 kV	All Close
			All Open[1]

Note 1: The following development was proposed to accommodate the opening of 174L/7L92/7L53:

1. Another Nevis 240/138 kV transformer
2. 25 MVar capacitor bank @ Strome
3. 25 MVar capacitor bank @ Vegreville

- Generation dispatch: All generators dispatched
- All transmission elements: In service
- Series capacitors: In service
- HVDC : Blocked
- PSS/E Version used: Version 33

Three-phase faults and single line-to-ground faults were applied at the existing and proposed 240 kV and 138kV substations for aforementioned study years and system conditions. Tables below present the computed three-phase, single-phase fault currents as well as the associated positive sequence and zero sequence impedances at these substations for pre and post plan conditions.

It is to be noted that the short circuit levels do change with time as new facilities are added to the system and are sensitive to any generation additions or retirements in the area of interest. The short circuit levels provided in this planning study is not intended to be used as the sole source of information for electrical equipment specification and the design of public or worker safety-grounding systems.

[1] Short circuit current calculation is based on modeling information provided to the AESO by third parties. Short circuit estimation is subject to change.

Short Circuit Levels – Existing System (Pre PENV project) – 3 Lines Closed

Table-1: Short Circuit Levels for Existing System (Year 2021)

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Alliance	Battle River	757S	138	1.07	9.736	0.0091768+j0.045118	10.893	0.0026735+j0.0313485
Alliance	Battle River	757S	240	1.056	9.138	0.0061615+j0.027143	10.076	0.0022306+j0.0202602
Alliance	Battle River	757S	240	1.056	9.13	0.0061812+j0.0271638	10.028	0.0023397+j0.0205573
Alliance	Battle River	757S	69	1.07	6.264	0.0337223+j0.1390468	6.105	0.0147933+j0.1546136
Alliance	Bigfoot	756S	69	1.066	4.242	0.0654254+j0.2001258	3.204	0.0707829+j0.411635
Alliance	Big Knife Creek	843S	69	1.069	6.026	0.037196+j0.143963	5.603	0.0224855+j0.1820037
Alliance	Cordell	755S	240	1.056	9.173	0.0061621+j0.0270348	10.118	0.0022427+j0.0201526
Alliance	Heisler	764S	138	1.06	5.516	0.0230156+j0.0771369	4.07	0.0364763+j0.1624384
Alliance	Heisler	764S	69	1.065	4.323	0.0592944+j0.1977126	3.842	0.0487354+j0.2810022
Alliance	Mannix Mine	765S	69	1.07	5.626	0.0419068+j0.1536747	4.907	0.0176936+j0.231088
Alliance	Paintearth	863S	240	1.055	6.216	0.0096593+j0.0397079	5.3	0.0149256+j0.0605251
Alliance	Tinchebray	972S	240	1.058	7.9	0.0067749+j0.0315266	7.866	0.0052214+j0.0325746
Cold Lake	Beartrap	940S	138	1.059	3.055	0.0566281+j0.13369	3.464	0.0116626+j0.096437
Cold Lake	Bonnyville	700S	138	1.068	6.211	0.0253843+j0.0673712	5.906	0.0182434+j0.082173
Cold Lake	Bourque	970S	138	1.059	9.343	0.0120467+j0.0459186	9.29	0.0092377+j0.0483267
Cold Lake	Ethel Lake	717S	138	1.057	5.764	0.0264386+j0.0721038	5.265	0.0207384+j0.0977145
Cold Lake	Ethel Lake	717S	69	1.081	3.23	0.0448713+j0.276868	3.733	0.0155448+j0.1671414
Cold Lake	Foster Creek	877S	138	1.039	3.669	0.0313+j0.114402	3.999	0.0052908+j0.0895034
Cold Lake	Grand Center	846S	138	1.053	4.378	0.038834+j0.0929535	4.186	0.0261873+j0.113228
Cold Lake	Kent	328S	138	1.056	4.02	0.042459+j0.1015757	4.888	0.0055322+j0.0534877
Cold Lake	La Corey	721S	138	1.06	5.463	0.0295115+j0.0757043	4.811	0.0213778+j0.1138198
Cold Lake	Leming Lake	715S	138	1.062	8.755	0.0135191+j0.0489456	8.769	0.008983+j0.0505314
Cold Lake	Lindbergh	969S	138	1.053	2.135	0.0890309+j0.1866333	1.429	0.1319251+j0.5019862
Cold Lake	Mahihkan	837S	138	1.059	9.289	0.0121051+j0.0461862	9.177	0.0094642+j0.0495256
Cold Lake	Mahkeses	889S	138	1.069	7.687	0.0130427+j0.056756	8.153	0.0041509+j0.0489675
Cold Lake	MahNo	909S	138	1.065	8.061	0.0144866+j0.0534088	7.562	0.0135956+j0.0662602
Cold Lake	Marguerite Lake	826S	138	1.068	9.827	0.010605+j0.0442724	11.183	0.0034846+j0.0292525
Cold Lake	Marguerite Lake	826S	240	1.066	6.58	0.0080159+j0.0381871	6.1	0.003626+j0.0485601
Cold Lake	Morrison	2051S	138	1.056	4.237	0.040212+j0.0963942	4.961	0.0087525+j0.0600421
Cold Lake	Nabiye	942S	138	1.074	6.63	0.0152737+j0.0660869	8.043	0.0048924+j0.0342665
Cold Lake	Norberg	936S	138	1.044	2.562	0.0730644+j0.1543943	2.005	0.078312+j0.3068366
Cold Lake	Primrose	859S	138	1.049	6.323	0.0193845+j0.066702	6.314	0.007539+j0.0707229
Cold Lake	Whitefish Lake	825S	240	1.072	9.046	0.0056689+j0.0279707	5.925	0.0161999+j0.0720223
Cold Lake	Wolf Lake	822S	138	1.058	8.955	0.011594+j0.0481115	8.429	0.0127829+j0.0577893
Hanna	Big Valley	778S	69	1.061	1.742	0.2377255+j0.4521534	1.106	0.3533332+j1.3701348
Hanna	Castor	759S	69	1.069	2.072	0.2131039+j0.3765261	1.243	0.3250472+j1.281804

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Hanna	Coronation	773S	69	1.05	0.887	0.6733243+j0.7338901	0.529	0.9911603+j3.0344014
Hanna	Coyote Lake	963S	138	1.062	5.883	0.0103055+j0.0749567	8.889	-0.0003081+j0.0002267
Hanna	Coyote Lake	963S	240	1.057	5.853	0.0067362+j0.0429659	6.082	0.0047616+j0.0396656
Hanna	Excel	910S	138	1.042	5.067	0.0169358+j0.0844946	6.569	0.0081374+j0.0266506
Hanna	Ghost Pine	114S	138	1.058	2.393	0.0707281+j0.171334	1.115	0.4337737+j0.7070066
Hanna	Halkirk	615S	240	1.058	5.897	0.0084034+j0.0424019	6.077	0.0046838+j0.0395082
Hanna	Hanna	763S	69	1.06	1.716	0.3057373+j0.417918	1.379	0.2235773+j0.9119041
Hanna	Heatburg	948S	138	1.057	3.002	0.0508656+j0.1385532	1.522	0.2832373+j0.5081953
Hanna	JOSS Hand Hills	572S	240	1.057	4.583	0.0088681+j0.0548601	4.324	0.013574+j0.0655231
Hanna	Lakesend	508S	138	1.015	1.265	0.1374072+j0.307661	0.799	0.2506925+j0.9051911
Hanna	Lanfine	959S	138	1.043	5.709	0.0144173+j0.0751868	8.585	-0.0003015+j0.000398
Hanna	Lanfine	959S	240	1.045	5.079	0.0101459+j0.0485243	5.44	0.0043603+j0.0404163
Hanna	Loyalist	903S	138	1.048	3.918	0.0353692+j0.1063606	3.571	0.0340867+j0.1415286
Hanna	Marion Lake	873S	69	1.066	3.075	0.0930503+j0.2753215	1.917	0.1535053+j0.8077583
Hanna	Michichi Creek	802S	69	1.046	2.723	0.0692652+j0.3144362	2.823	0.0711366+j0.2796849
Hanna	Michichi Creek	802S	138	1.063	3.796	0.0343213+j0.1121766	2.713	0.1226987+j0.2304287
Hanna	Monitor	774S	138	1.052	5.395	0.0219374+j0.0786801	6.422	0.0056565+j0.042931
Hanna	Monitor	774S	69	1.07	1.458	0.0665118+j0.6128665	1.478	0.0359003+j0.5915608
Hanna	Nevis	766S	240	1.05	7.923	0.0071981+j0.0311351	5.696	0.0165194+j0.0675927
Hanna	Nevis	766S	138	1.057	5.621	0.0140817+j0.0775634	5.353	0.0165255+j0.0893655
Hanna	Nevis	766S	69	1.05	2.202	0.038983+j0.3983453	2.176	0.0310855+j0.4138454
Hanna	Oakland	946S	240	1.054	10.556	0.0041437+j0.0236813	10.904	0.0041315+j0.0227091
Hanna	Oyen	767S	138	1.041	4.946	0.0203509+j0.0858365	5.374	0.0202153+j0.0648563
Hanna	Oyen	767S	69	1.052	1.922	0.1073381+j0.4467671	1.896	0.0506224+j0.4793381
Hanna	Pemukan	932S	138	1.052	5.486	0.0209427+j0.0775162	6.732	0.0033887+j0.0365065
Hanna	Pemukan	932S	240	1.052	4.614	0.0141649+j0.0530934	4.866	0.0058668+j0.0468929
Hanna	Ribstone Creek	892S	138	1.024	1.605	0.1064365+j0.2458547	1.056	0.1839786+j0.6682037
Hanna	Richdale	776S	69	1.059	1.372	0.4030839+j0.5073097	1.018	0.4075225+j1.3141549
Hanna	Rowley	768S	138	1.058	2.594	0.0630626+j0.1589472	1.111	0.5531392+j0.6724997
Hanna	Stettler	769S	69	1.073	3.483	0.0586471+j0.2515147	2.463	0.1020174+j0.5712541
Hanna	Stettler	769S	138	1.06	2.914	0.0370432+j0.14805	2.095	0.0907615+j0.3194132
Hanna	Sullivan Lake	775S	69	1.078	1.649	0.3024799+j0.4574858	0.995	0.4846031+j1.5971066
Hanna	Three Hills	770S	138	1.055	2.442	0.0705242+j0.1668783	1.068	0.4953403+j0.7378359
Hanna	Veteran	771S	138	1.033	2.084	0.0789286+j0.1923726	1.457	0.1248397+j0.4629836
Hanna	Youngstown	772S	69	1.061	1.214	0.4522935+j0.5777277	0.863	0.5563614+j1.5889466
Hanna	Youngstown-Express	AEC EXP	69	1.059	1.122	0.4929106+j0.621579	0.795	0.6082105+j1.7329553
Lloydminster	Bauer	918S	138	1.033	3.448	0.0608329+j0.1098561	3.526	0.0160408+j0.12214
Lloydminster	Briker	880S	138	1.037	1.826	0.1193354+j0.2062216	1.308	0.1351775+j0.5154412
Lloydminster	Hill	751S	69	1.085	2.187	0.1361987+j0.3932233	2.043	0.0707118+j0.5054898

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Lloydminster	Hill	751S	138	1.046	2.094	0.117219+j0.1736296	1.909	0.0563819+j0.2784234
Lloydminster	Irish Creek	706S	138	1.036	2.912	0.0692369+j0.13205	2.648	0.0261981+j0.1997353
Lloydminster	Kitscoty	705S	138	1.041	2.291	0.1011828+j0.161354	1.826	0.0811312+j0.336662
Lloydminster	Kitscoty	705S	69	1.086	1.142	0.3877837+j0.6997026	0.849	0.424674+j1.6121453
Lloydminster	Lloydminster	716S	138	1.046	2.075	0.1175726+j0.1755557	1.801	0.0696438+j0.3133605
Lloydminster	Vermilion	710S	138	1.035	3.782	0.057851+j0.0990698	4.073	0.011507+j0.0951201
Provost	Edgerton	899S	138	1.033	2.853	0.070283+j0.1345327	2.085	0.0844101+j0.312916
Provost	Hansman Lake	650S	138	1.054	6.984	0.0208012+j0.0597307	7.373	0.006094+j0.0542236
Provost	Hansman Lake	650S	240	1.05	5.355	0.0143124+j0.0450096	6.009	0.0038859+j0.0323799
Provost	Hayter	277S	138	1.008	2.091	0.0954655+j0.1782905	1.469	0.1339504+j0.44556
Provost	Hughenden	213S	138	1.044	4.821	0.0346951+j0.0837828	3.616	0.0461914+j0.1766459
Provost	Killarney Lake	267S	138	1.024	2.865	0.0700099+j0.1325211	2.016	0.0977106+j0.3290338
Provost	Metiskow	648S	138	1.054	6.993	0.0208714+j0.0596036	7.368	0.0061957+j0.0544898
Provost	Metiskow	648S	240	1.05	5.327	0.0143702+j0.0452458	5.936	0.004068+j0.0334183
Provost	Provost	545S	138	1.043	3.654	0.046365+j0.1101703	2.707	0.0583048+j0.240172
Provost	Sunken Lake	221S	138	1.054	6.896	0.0211833+j0.0604091	7.152	0.007308+j0.0579585
Vegreville	North Holden	395S	138	1.026	4.635	0.0377935+j0.084791	3.084	0.055756+j0.227942
Vegreville	St. Paul	707S	138	1.052	2.772	0.0675645+j0.1439435	2.828	0.0125346+j0.1560279
Vegreville	Strome	223S	138	1.039	3.87	0.0399412+j0.1052366	2.444	0.0736322+j0.3020439
Vegreville	Vegreville	709S	69	1.014	4.228	0.0532456+j0.1939589	3.929	0.0362905+j0.2456595
Vegreville	Vegreville	709S	138	1.014	3.861	0.0491006+j0.0985839	3.117	0.0372487+j0.1891689
Vegreville	Vilna	777S	138	1.036	3.143	0.0598725+j0.1244763	2.348	0.0687632+j0.2732043
Vegreville	Vincent	2019S	138	1.014	3.179	0.0604513+j0.11931	2.357	0.06409+j0.2703414
Vegreville	Watt Lake	956S	138	1.027	2.939	0.0636642+j0.1319302	2.556	0.0333673+j0.2154505
Vegreville	Whitby Lake	819S	138	1.038	3.271	0.0570847+j0.1201725	2.446	0.0678244+j0.261883
Wainwright	Battle Sands	594S	138	1.044	6.351	0.0232806+j0.0648156	5.099	0.0289492+j0.1166863
Wainwright	Buffalo Creek	526S	138	1.034	3.446	0.0593952+j0.1108149	2.936	0.0437422+j0.1903949
Wainwright	Clipper	656S	138	1.044	6.537	0.0224712+j0.0630227	5.306	0.0271494+j0.1107809
Wainwright	Cochin Pipeline Fabyan	968S	69	1.049	0.844	0.5493355+j0.8909658	0.601	0.71471+j2.2803969
Wainwright	Hardisty	377S	138	1.045	6.816	0.0213+j0.0605689	5.635	0.024629+j0.1022302
Wainwright	HRTExpress	329S	138	1.045	6.531	0.0226191+j0.0630598	5.293	0.027193+j0.1113279
Wainwright	Jarrow	252S	138	1.036	3.918	0.0488391+j0.0994423	2.962	0.0557185+j0.2133859
Wainwright	Jarrow	252S	69	1.052	1.841	0.0688871+j0.4746075	1.703	0.0747747+j0.5927091
Wainwright	Nilrem	574S	138	1.048	7.406	0.0181398+j0.0564071	6.375	0.018761+j0.0865189
Wainwright	Nilrem	574S	240	1.048	5.024	0.0153787+j0.047843	4.217	0.0180159+j0.0774887
Wainwright	Rosyth	296S	138	1.044	6.55	0.0224105+j0.0628929	5.324	0.0270094+j0.1102409
Wainwright	Sedgewick	137S	138	1.048	3.025	0.0563055+j0.1338043	1.882	0.1065103+j0.3977963
Wainwright	Tucuman	478S	138	1.046	7.064	0.0202631+j0.0586232	5.936	0.0226669+j0.09528
Wainwright	Wainwright	51S	138	1.028	3.403	0.0551339+j0.1140072	2.467	0.0733509+j0.2631311

Short Circuit Levels – Alternative 2 – 3 Lines Closed (2021)

Table-2: Short Circuit Levels for Alternative 2 (Year 2021)

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Alliance	Battle River	757S	240	1.058	9.235	0.0061771+j0.0269	10.165	0.0022355+j0.0202256
Alliance	Battle River	757S	240	1.058	9.226	0.0061973+j0.0269221	10.116	0.0023444+j0.0205222
Alliance	Battle River	757S	138	1.074	9.752	0.0091891+j0.045201	10.917	0.0026727+j0.0313318
Alliance	Battle River	757S	69	1.073	6.281	0.0337301+j0.139138	6.123	0.014792+j0.1546041
Alliance	Big Knife Creek	843S	69	1.073	6.043	0.0372039+j0.1440556	5.62	0.0224842+j0.1819952
Alliance	Bigfoot	756S	69	1.07	4.254	0.0654321+j0.2002264	3.214	0.0707816+j0.4116255
Alliance	Cordell	755S	240	1.058	9.271	0.0061776+j0.0267911	10.208	0.0022475+j0.020117
Alliance	Heisler	764S	69	1.069	4.339	0.0593077+j0.1978405	3.857	0.0487367+j0.2810068
Alliance	Heisler	764S	138	1.065	5.533	0.023007+j0.0772716	4.086	0.0364775+j0.162445
Alliance	Mannix Mine	765S	69	1.073	5.641	0.041914+j0.1537629	4.922	0.0176924+j0.2310787
Alliance	Paintearth	863S	240	1.056	6.288	0.0096394+j0.0392979	5.34	0.0149378+j0.0604654
Alliance	Tinchebray	972S	240	1.06	7.969	0.0067872+j0.0313044	7.919	0.005225+j0.0325499
Cold Lake	Beartrap	940S	138	1.063	3.08	0.0561018+j0.1333148	3.488	0.011663+j0.0964365
Cold Lake	Bonnyville	700S	138	1.073	6.303	0.024731+j0.066867	5.97	0.018248+j0.0821613
Cold Lake	Bourque	970S	138	1.061	9.39	0.011884+j0.045807	9.326	0.0092379+j0.0483264
Cold Lake	Ethel Lake	717S	138	1.059	5.793	0.0262268+j0.0719618	5.285	0.0207385+j0.0977144
Cold Lake	Ethel Lake	717S	69	1.084	3.24	0.0446138+j0.2767437	3.744	0.0155448+j0.1671414
Cold Lake	Foster Creek	877S	138	1.04	3.673	0.0312462+j0.1143763	4.002	0.0052908+j0.0895034
Cold Lake	Grand Center	846S	138	1.056	4.406	0.0385048+j0.0927404	4.207	0.0261875+j0.1132278
Cold Lake	Kent	328S	138	1.06	4.05	0.0420575+j0.1012975	4.92	0.0055324+j0.0534875
Cold Lake	La Corey	721S	138	1.063	5.498	0.0292427+j0.0755018	4.835	0.0213785+j0.1138186
Cold Lake	Leming Lake	715S	138	1.063	8.795	0.0133664+j0.0488377	8.801	0.0089831+j0.0505313
Cold Lake	Lindbergh	969S	138	1.063	2.19	0.0857794+j0.1845737	1.453	0.1320263+j0.5015975
Cold Lake	Mahihkan	837S	138	1.061	9.335	0.0119429+j0.0460751	9.213	0.0094644+j0.0495254
Cold Lake	Mahkeses	889S	138	1.071	7.714	0.0129139+j0.0566621	8.176	0.0041509+j0.0489675
Cold Lake	MahNo	909S	138	1.067	8.095	0.0143444+j0.053305	7.586	0.0135958+j0.06626
Cold Lake	Marguerite Lake	826S	240	1.067	6.597	0.0079634+j0.0381502	6.113	0.0036261+j0.0485601
Cold Lake	Marguerite Lake	826S	138	1.069	9.866	0.0105015+j0.0441796	11.219	0.0034846+j0.0292524
Cold Lake	Morrison	2051S	138	1.06	4.269	0.0398106+j0.096116	4.994	0.0087527+j0.0600418
Cold Lake	Nabiye	942S	138	1.075	6.648	0.0151677+j0.0660055	8.062	0.0048924+j0.0342665
Cold Lake	Norberg	936S	138	1.052	2.595	0.0721357+j0.1538246	2.026	0.0783212+j0.3068034
Cold Lake	Primrose	859S	138	1.05	6.338	0.0192849+j0.0666396	6.327	0.007539+j0.0707229
Cold Lake	Whitefish Lake	825S	240	1.073	9.063	0.0056427+j0.0279532	5.934	0.0161999+j0.0720223
Cold Lake	Wolf Lake	822S	138	1.06	8.986	0.0114834+j0.0480306	8.452	0.0127829+j0.0577893
Hanna	Big Valley	778S	69	1.063	1.746	0.2377066+j0.4522074	1.108	0.3533333+j1.3701295
Hanna	Castor	759S	69	1.072	2.077	0.2131029+j0.3766864	1.246	0.3250459+j1.2817981
Hanna	Coronation	773S	69	1.053	0.889	0.6733986+j0.7343431	0.53	0.9911591+j3.0343976

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Hanna	Coyote Lake	963S	138	1.063	5.89	0.0102926+j0.0748933	8.9	-0.0003081+j0.0002267
Hanna	Coyote Lake	963S	240	1.057	5.864	0.0067254+j0.0429006	6.09	0.0047616+j0.0396654
Hanna	Excel	910S	138	1.042	5.082	0.0168558+j0.0842419	6.587	0.0081372+j0.0266481
Hanna	Ghost Pine	114S	138	1.059	2.396	0.070712+j0.1712911	1.116	0.433771+j0.707001
Hanna	Halkirk	615S	240	1.06	5.939	0.0084156+j0.0421794	6.11	0.0046871+j0.0394962
Hanna	Hanna	763S	69	1.061	1.719	0.3057162+j0.4180029	1.381	0.2235772+j0.9119031
Hanna	Heatburg	948S	138	1.058	3.007	0.0508541+j0.1385054	1.524	0.2832354+j0.5081891
Hanna	JOSS Hand Hills	572S	240	1.057	4.59	0.0088573+j0.0547948	4.329	0.013574+j0.0655229
Hanna	Lakesend	508S	138	1.018	1.271	0.1372921+j0.3072384	0.802	0.2507021+j0.9051766
Hanna	Lanfine	959S	240	1.045	5.113	0.0100751+j0.0482057	5.467	0.0043538+j0.0403798
Hanna	Lanfine	959S	138	1.043	5.729	0.0143375+j0.0749334	8.615	-0.0003018+j0.0003955
Hanna	Loyalist	903S	138	1.051	3.951	0.0352935+j0.1057674	3.594	0.0340974+j0.141513
Hanna	Marion Lake	873S	69	1.069	3.082	0.0930388+j0.2753729	1.922	0.153505+j0.8077518
Hanna	Michichi Creek	802S	138	1.063	3.8	0.0343024+j0.1121238	2.716	0.1226983+j0.2304282
Hanna	Michichi Creek	802S	69	1.047	2.725	0.0692382+j0.3143975	2.825	0.0711364+j0.2796846
Hanna	Monitor	774S	138	1.055	5.452	0.0218667+j0.0780763	6.481	0.0056671+j0.0429154
Hanna	Monitor	774S	69	1.073	1.464	0.0663267+j0.6123034	1.484	0.0359115+j0.5915444
Hanna	Nevis	766S	240	1.052	7.949	0.0072033+j0.0310685	5.709	0.0165206+j0.0675862
Hanna	Nevis	766S	138	1.059	5.633	0.0140782+j0.0775096	5.363	0.016526+j0.0893612
Hanna	Nevis	766S	69	1.052	2.206	0.0389474+j0.3983059	2.179	0.031086+j0.4138412
Hanna	Oakland	946S	240	1.054	10.588	0.0041337+j0.0236153	10.928	0.0041315+j0.0227084
Hanna	Oyen	767S	138	1.041	4.959	0.0202766+j0.0856177	5.384	0.0202151+j0.0648543
Hanna	Oyen	767S	69	1.052	1.922	0.1072307+j0.4466132	1.896	0.0506221+j0.4793363
Hanna	Pemukan	932S	240	1.053	4.677	0.0140476+j0.0524112	4.914	0.0058813+j0.0468661
Hanna	Pemukan	932S	138	1.055	5.545	0.020866+j0.0769084	6.794	0.0033981+j0.0364926
Hanna	Ribstone Creek	892S	138	1.028	1.613	0.1063223+j0.2453736	1.06	0.1839881+j0.6681892
Hanna	Richdale	776S	69	1.06	1.374	0.4030499+j0.5073631	1.02	0.4075224+j1.3141539
Hanna	Rowley	768S	138	1.059	2.597	0.0630434+j0.1589011	1.112	0.5531365+j0.6724966
Hanna	Stettler	769S	138	1.062	2.919	0.0370357+j0.1480199	2.099	0.0907616+j0.3194087
Hanna	Stettler	769S	69	1.075	3.49	0.0586276+j0.2515267	2.468	0.1020175+j0.5712488
Hanna	Sullivan Lake	775S	69	1.081	1.653	0.3024783+j0.4576783	0.997	0.484602+j1.5971028
Hanna	Three Hills	770S	138	1.056	2.445	0.0705056+j0.1668391	1.069	0.4953374+j0.7378308
Hanna	Veteran	771S	138	1.037	2.096	0.0788219+j0.1918432	1.464	0.1248492+j0.4629693
Hanna	Youngstown	772S	69	1.062	1.215	0.4522304+j0.5777206	0.864	0.5563613+j1.5889454
Hanna	Youngstown-Express	AEC EXP	69	1.06	1.123	0.492846+j0.6215706	0.795	0.6082103+j1.7329541
Lloydminster	Bauer	918S	138	1.055	3.85	0.0506556+j0.102997	3.833	0.0159926+j0.1195617
Lloydminster	Briker	880S	138	1.056	2.081	0.0959945+j0.1899609	1.475	0.1203958+j0.4669671
Lloydminster	Drury	2007S	138	1.071	4.445	0.041262+j0.0920731	3.94	0.0289246+j0.1388214
Lloydminster	Hill	751S	138	1.053	2.356	0.0945632+j0.1617199	2.125	0.0484844+j0.2529148
Lloydminster	Hill	751S	69	1.092	2.309	0.1118384+j0.3804205	2.161	0.0622279+j0.4780917

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Lloydminster	Irish Creek	706S	138	1.054	3.106	0.0627029+j0.127671	2.769	0.0264229+j0.1989475
Lloydminster	Kitscoty	705S	138	1.055	2.559	0.0833056+j0.151486	1.982	0.0772237+j0.3214528
Lloydminster	Kitscoty	705S	69	1.092	1.182	0.3633731+j0.6869102	0.872	0.4161471+j1.5846857
Lloydminster	Lloydminster	716S	138	1.054	2.338	0.0949706+j0.1634524	2.004	0.061041+j0.2856503
Lloydminster	Vermilion	710S	138	1.065	4.583	0.0428548+j0.0873591	4.766	0.0116125+j0.0887604
Provost	Edgerton	899S	138	1.067	3.984	0.0403001+j0.1047316	3.118	0.0485878+j0.2011973
Provost	Hansman Lake	650S	138	1.063	7.088	0.0210414+j0.0591961	7.478	0.0062643+j0.053957
Provost	Hansman Lake	650S	240	1.05	5.483	0.0141146+j0.0439151	6.123	0.0039488+j0.0322053
Provost	Hayter	277S	138	1.042	2.221	0.0810443+j0.1792632	1.575	0.1228666+j0.4247851
Provost	Hughenden	213S	138	1.054	4.927	0.0346245+j0.0826403	3.688	0.046026+j0.1751652
Provost	Killarney Lake	267S	138	1.058	3.085	0.0552352+j0.1326218	2.211	0.0848057+j0.3044243
Provost	Metiskow	648S	138	1.063	7.089	0.0210499+j0.0591771	7.46	0.0063488+j0.0543955
Provost	Metiskow	648S	240	1.05	5.454	0.0141745+j0.0441543	6.047	0.0041323+j0.0332444
Provost	Provost	545S	138	1.051	3.696	0.0465768+j0.1096893	2.735	0.0584753+j0.2399049
Provost	Sunken Lake	221S	138	1.062	6.99	0.0213589+j0.0599774	7.241	0.0074592+j0.0578551
Vegreville	North Holden	395S	138	1.037	4.729	0.036842+j0.0842202	3.132	0.0557712+j0.227579
Vegreville	St. Paul	707S	138	1.059	2.805	0.0667323+j0.1434249	2.856	0.0125367+j0.1560253
Vegreville	Strome	223S	138	1.047	3.9	0.0397152+j0.1052684	2.462	0.0736402+j0.3019878
Vegreville	Vegreville	709S	138	1.032	4.048	0.0459912+j0.0964191	3.228	0.0372539+j0.1879031
Vegreville	Vegreville	709S	69	1.032	4.363	0.0501362+j0.1917941	4.037	0.0362882+j0.2445985
Vegreville	Vilna	777S	138	1.046	3.199	0.0587324+j0.1237693	2.379	0.0687847+j0.2730998
Vegreville	Vincent	2019S	138	1.037	3.431	0.0542796+j0.1144997	2.489	0.0637476+j0.2661517
Vegreville	Watt Lake	956S	138	1.04	3.018	0.0616998+j0.1306051	2.609	0.033422+j0.2151715
Vegreville	Whitby Lake	819S	138	1.047	3.325	0.0560705+j0.1195365	2.476	0.0678415+j0.2618016
Wainwright	Battle Sands	594S	138	1.056	6.65	0.0228873+j0.0624452	5.344	0.0282426+j0.1123633
Wainwright	Buffalo Creek	526S	138	1.049	3.699	0.0522425+j0.1066883	3.109	0.0415329+j0.1850032
Wainwright	Clipper	656S	138	1.056	6.851	0.0220776+j0.0606529	5.57	0.0264427+j0.1064579
Wainwright	Cochin Pipeline Fabyan	968S	69	1.062	0.856	0.5469371+j0.890566	0.609	0.7137426+j2.2784171
Wainwright	Hardisty	377S	138	1.056	7.155	0.0209081+j0.0581943	5.929	0.0239223+j0.0979072
Wainwright	HRTExpress	329S	138	1.056	6.839	0.0222404+j0.0607393	5.55	0.0265098+j0.1071343
Wainwright	Jarrow	252S	69	1.066	1.868	0.0664093+j0.4740246	1.729	0.0738166+j0.590738
Wainwright	Jarrow	252S	138	1.049	4.025	0.0464644+j0.0988348	3.033	0.0547905+j0.2114764
Wainwright	Nilrem	574S	240	1.055	5.244	0.0150138+j0.0460793	4.435	0.0171175+j0.0734472
Wainwright	Nilrem	574S	138	1.06	7.91	0.0176875+j0.0532639	6.841	0.0178599+j0.0810231
Wainwright	Rosyth	296S	138	1.056	6.866	0.0220169+j0.0605232	5.59	0.0263027+j0.1059179
Wainwright	Sedgewick	137S	138	1.055	3.059	0.0562457+j0.1331665	1.903	0.1062372+j0.3962989
Wainwright	Tucuman	478S	138	1.058	7.446	0.0198707+j0.0560966	6.276	0.0219204+j0.0907293
Wainwright	Wainwright	51S	138	1.042	3.431	0.0551802+j0.1146096	2.499	0.0728959+j0.2620376

Short Circuit Levels – Alternative 1 – 3 Lines Closed

Table-3: Short Circuit Levels for Alternative 1 - 3 Lines Closed (Year 2037)

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Alliance	Battle River	757S	240	1.048	10.672	0.0052011+j0.0231836	11.225	0.0022352+j0.0202165
Alliance	Battle River	757S	240	1.047	10.617	0.0052597+j0.0232948	11.134	0.0023441+j0.0205129
Alliance	Battle River	757S	138	1.062	8.251	0.0123117+j0.0527467	9.61	0.0026728+j0.0313303
Alliance	Battle River	757S	69	1.058	6.012	0.03715+j0.1434973	5.934	0.014795+j0.1546143
Alliance	Bigfoot	756S	69	1.054	4.113	0.0690816+j0.2047239	3.147	0.0707846+j0.4116356
Alliance	Big Knife Creek	843S	69	1.057	5.789	0.0406153+j0.148432	5.455	0.0224871+j0.1820045
Alliance	Cordell	755S	240	1.048	10.691	0.005225+j0.0231356	11.257	0.0022472+j0.0201076
Alliance	Heisler	764S	138	1.049	5.101	0.0257242+j0.0826809	3.905	0.0364766+j0.1624404
Alliance	Heisler	764S	69	1.053	4.183	0.0625643+j0.2027818	3.76	0.0487358+j0.2810045
Alliance	Mannix Mine	765S	69	1.057	5.426	0.045184+j0.1578628	4.796	0.0176955+j0.2310885
Alliance	Paintearth	863S	240	1.048	6.817	0.0088998+j0.0361461	5.57	0.0149336+j0.0604378
Alliance	Tinchebray	972S	240	1.05	8.878	0.0059352+j0.0280221	8.457	0.0052248+j0.0325436
Cold Lake	Beartrap	940S	138	1.057	3.554	0.0448431+j0.1163175	3.863	0.011663+j0.0964364
Cold Lake	Bonnyville	700S	138	1.06	7.33	0.0197061+j0.0573429	6.509	0.018248+j0.0821607
Cold Lake	Bourque	970S	138	1.052	10.547	0.009678+j0.0406739	10.011	0.0092379+j0.0483264
Cold Lake	Ethel Lake	717S	138	1.053	6.797	0.0204956+j0.0616281	5.782	0.0207385+j0.0977144
Cold Lake	Ethel Lake	717S	69	1.075	3.362	0.0401105+j0.2651854	3.844	0.0155448+j0.1671414
Cold Lake	Foster Creek	877S	138	1.034	3.724	0.030693+j0.1123033	4.038	0.0052908+j0.0895034
Cold Lake	Grand Center	846S	138	1.054	5.821	0.0242752+j0.07192	4.957	0.0261875+j0.1132278
Cold Lake	Kent	328S	138	1.063	6.196	0.019171+j0.0693037	6.79	0.0055324+j0.0534875
Cold Lake	La Corey	721S	138	1.046	5.943	0.0265437+j0.0688881	5.021	0.0213785+j0.1138186
Cold Lake	Leming Lake	715S	138	1.055	9.985	0.0109103+j0.0429205	9.52	0.0089831+j0.0505313
Cold Lake	Lindbergh	969S	138	1.048	2.232	0.0849817+j0.1778067	1.455	0.1320246+j0.5015804
Cold Lake	Mahihkan	837S	138	1.052	10.473	0.0097483+j0.0409613	9.876	0.0094644+j0.0495254
Cold Lake	Mahkeses	889S	138	1.063	8.455	0.0109269+j0.0515747	8.687	0.0041509+j0.0489675
Cold Lake	MahNo	909S	138	1.059	8.834	0.0125436+j0.0486478	7.971	0.0135958+j0.06626
Cold Lake	Marguerite Lake	826S	138	1.054	11.133	0.0085264+j0.0388104	12.218	0.0034846+j0.0292524
Cold Lake	Marguerite Lake	826S	240	1.048	6.971	0.0069745+j0.0356026	6.274	0.003626+j0.0485602
Cold Lake	Morrison	2051S	138	1.062	6.367	0.0192875+j0.0671609	6.679	0.0087527+j0.0600418
Cold Lake	Nabiye	942S	138	1.069	7.007	0.0139774+j0.062391	8.387	0.0048924+j0.0342665
Cold Lake	Norberg	936S	138	1.023	2.589	0.0708928+j0.1499887	1.998	0.0783213+j0.3067999
Cold Lake	Primrose	859S	138	1.041	6.653	0.017762+j0.0631895	6.51	0.007539+j0.0707229
Cold Lake	Whitefish Lake	825S	240	1.051	9.425	0.0051398+j0.0264275	5.968	0.0161999+j0.0720237
Cold Lake	Wolf Lake	822S	138	1.048	9.809	0.0097112+j0.0437672	8.881	0.0127829+j0.0577893
Hanna	Big Valley	778S	69	1.049	1.742	0.2384669+j0.4491955	1.103	0.3533426+j1.3701428
Hanna	Castor	759S	69	1.051	2.05	0.2167935+j0.3747965	1.23	0.3257104+j1.2831401
Hanna	Coronation	773S	69	1.023	0.882	0.6738546+j0.7184622	0.524	0.9928805+j3.037905

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Hanna	Coyote Lake	963S	138	1.06	6.036	0.0102319+j0.0736924	9.042	-0.000308+j0.0002267
Hanna	Coyote Lake	963S	240	1.055	6.082	0.0065522+j0.0417955	6.198	0.0047618+j0.0396653
Hanna	Excel	910S	138	1.043	5.226	0.016794+j0.0829147	6.733	0.0081377+j0.0266516
Hanna	Ghost Pine	114S	138	1.045	2.41	0.0710315+j0.1689824	1.114	0.4338272+j0.7070192
Hanna	Halkirk	615S	240	1.05	6.423	0.0075624+j0.038893	6.419	0.0046874+j0.0394931
Hanna	Hanna	763S	69	1.046	1.718	0.3092142+j0.412532	1.373	0.2274289+j0.9189639
Hanna	Heatburg	948S	138	1.045	3.026	0.0510087+j0.1366562	1.522	0.2832759+j0.5082092
Hanna	JOSS Hand Hills	572S	240	1.056	4.733	0.0086839+j0.0536889	4.397	0.0135742+j0.0655228
Hanna	Lakesend	508S	138	1.024	1.281	0.1403615+j0.3078132	0.812	0.2507011+j0.9051605
Hanna	Lanfine	959S	138	1.044	5.905	0.0142571+j0.0735599	8.835	-0.0003012+j0.000399
Hanna	Lanfine	959S	240	1.045	5.304	0.0099537+j0.04694	5.594	0.0043659+j0.0404323
Hanna	Loyalist	903S	138	1.049	4.03	0.0355229+j0.1039299	3.64	0.034096+j0.1414943
Hanna	Marion Lake	873S	69	1.055	3.056	0.0945879+j0.2752594	1.907	0.1535107+j0.8077609
Hanna	Michichi Creek	802S	69	1.04	2.745	0.0700094+j0.3126895	2.839	0.0711762+j0.2797781
Hanna	Michichi Creek	802S	138	1.054	3.864	0.0347821+j0.1101731	2.733	0.1227322+j0.2304539
Hanna	Monitor	774S	138	1.053	5.596	0.0221069+j0.0762339	6.609	0.0056657+j0.0428967
Hanna	Monitor	774S	69	1.069	1.477	0.0689289+j0.6087386	1.494	0.03591+j0.5915247
Hanna	Nevis	766S	240	1.043	8.292	0.0068541+j0.0296901	5.807	0.0165361+j0.0676164
Hanna	Nevis	766S	138	1.048	5.713	0.014003+j0.0761036	5.399	0.0165374+j0.0893797
Hanna	Nevis	766S	69	1.039	2.205	0.0409866+j0.3958707	2.175	0.0310974+j0.4138597
Hanna	Oakland	946S	240	1.053	11.222	0.0039353+j0.0225423	11.19	0.004132+j0.0227077
Hanna	Oyen	767S	138	1.043	5.117	0.0201774+j0.0840347	5.51	0.0202406+j0.0648885
Hanna	Oyen	767S	69	1.058	1.957	0.1106878+j0.4448942	1.925	0.0511631+j0.4815738
Hanna	Pemukan	932S	138	1.052	5.693	0.0211024+j0.0751026	6.933	0.0033973+j0.0364771
Hanna	Pemukan	932S	240	1.052	4.847	0.0140907+j0.0508041	5.033	0.0058785+j0.046843
Hanna	Ribstone Creek	892S	138	1.031	1.628	0.1083027+j0.2448949	1.071	0.1839872+j0.6681732
Hanna	Richdale	776S	69	1.05	1.374	0.4093511+j0.5019723	1.012	0.4211011+j1.333235
Hanna	Rowley	768S	138	1.047	2.621	0.0635008+j0.1566222	1.112	0.5532169+j0.6725165
Hanna	Stettler	769S	69	1.063	3.486	0.0594437+j0.2504276	2.46	0.1020268+j0.5712621
Hanna	Stettler	769S	138	1.049	2.929	0.037325+j0.1465193	2.095	0.0907718+j0.3194238
Hanna	Sullivan Lake	775S	69	1.057	1.638	0.3063107+j0.4522631	0.985	0.4863116+j1.6005985
Hanna	Three Hills	770S	138	1.042	2.463	0.0709331+j0.164216	1.067	0.4954023+j0.7378484
Hanna	Veteran	771S	138	1.038	2.12	0.0800796+j0.1906806	1.478	0.1248482+j0.4629533
Hanna	Youngstown	772S	69	1.061	1.219	0.4664957+j0.57248	0.852	0.6019731+j1.6442844
Hanna	Youngstown-Express	AEC EXP	69	1.06	1.127	0.5065616+j0.6162054	0.787	0.6510355+j1.7850406
Lloydminster	Bauer	918S	138	1.024	3.832	0.0526754+j0.0992922	3.782	0.0163444+j0.120701
Lloydminster	Briker	880S	138	1.028	2.076	0.1001162+j0.183347	1.448	0.1235066+j0.4732832
Lloydminster	Drury	2007S	138	1.027	4.521	0.0427495+j0.0854325	3.951	0.0281185+j0.1367656
Lloydminster	Hill	751S	69	1.067	2.291	0.1190328+j0.3739715	2.109	0.068932+j0.4939594

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Lloydminster	Hill	751S	138	1.029	2.333	0.1012551+j0.1557224	2.053	0.0547254+j0.2676883
Lloydminster	Irish Creek	706S	138	1.037	3.13	0.0655226+j0.1226813	2.772	0.0264201+j0.1989132
Lloydminster	Kitscoty	705S	138	1.026	2.54	0.0875286+j0.145809	1.932	0.0803959+j0.3292817
Lloydminster	Kitscoty	705S	69	1.068	1.165	0.3705702+j0.6804434	0.855	0.4228806+j1.6005876
Lloydminster	Lloydminster	716S	138	1.029	2.32	0.1011996+j0.1571814	1.943	0.0668781+j0.2991884
Lloydminster	Vermilion	710S	138	1.028	4.632	0.0445273+j0.0819605	4.771	0.0115226+j0.0885098
Provost	Edgerton	899S	138	1.038	4.104	0.0433255+j0.0974089	3.133	0.0499523+j0.2013763
Provost	Hansman Lake	650S	138	1.052	7.347	0.0211659+j0.0565058	7.668	0.006155+j0.0535323
Provost	Hansman Lake	650S	240	1.05	5.717	0.0142483+j0.0421807	6.319	0.0039047+j0.0320527
Provost	Hayter	277S	138	1.004	2.223	0.0858871+j0.1701299	1.543	0.1261146+j0.4289327
Provost	Hughenden	213S	138	1.038	5.018	0.0347047+j0.079956	3.708	0.0458863+j0.1747164
Provost	Killarney Lake	267S	138	1.023	3.111	0.0601487+j0.1248924	2.169	0.0886038+j0.3093461
Provost	Metiskow	648S	138	1.052	7.348	0.0211728+j0.056501	7.648	0.0062434+j0.0539796
Provost	Metiskow	648S	240	1.05	5.685	0.0143074+j0.0424163	6.239	0.0040867+j0.0330884
Provost	Provost	545S	138	1.037	3.761	0.0467942+j0.1063892	2.75	0.0583656+j0.2394796
Provost	Sunken Lake	221S	138	1.051	7.24	0.0214866+j0.0573113	7.416	0.007354+j0.0574402
Vegreville	North Holden	395S	138	1.006	4.638	0.0374215+j0.0832898	3.061	0.0557618+j0.2275334
Vegreville	St. Paul	707S	138	1.035	2.856	0.0641855+j0.1378494	2.871	0.0125368+j0.156025
Vegreville	Strome	223S	138	1.024	3.745	0.041547+j0.1072814	2.396	0.0736361+j0.3019688
Vegreville	Vegreville	709S	69	0.994	4.269	0.0504914+j0.1892878	3.933	0.0362608+j0.2444859
Vegreville	Vegreville	709S	138	0.994	3.992	0.0463464+j0.0939128	3.157	0.0372221+j0.1877685
Vegreville	Vilna	777S	138	1.012	3.166	0.0584888+j0.1209034	2.332	0.0687843+j0.2730884
Vegreville	Vincent	2019S	138	0.998	3.382	0.0547901+j0.1113083	2.431	0.0636099+j0.2657312
Vegreville	Watt Lake	956S	138	1.005	2.97	0.0616964+j0.128133	2.552	0.0334206+j0.2151406
Vegreville	Whitby Lake	819S	138	1.015	3.296	0.0557283+j0.1166891	2.43	0.0678412+j0.2617928
Wainwright	Battle Sands	594S	138	1.037	6.813	0.0230366+j0.0597857	5.396	0.027955+j0.111598
Wainwright	Buffalo Creek	526S	138	1.023	3.652	0.0548397+j0.1043038	3.024	0.0439151+j0.189854
Wainwright	Clipper	656S	138	1.036	7.028	0.0222278+j0.0579944	5.629	0.0261552+j0.1056927
Wainwright	Cochin Pipeline Fabyan	968S	69	1.038	0.841	0.5503861+j0.8899778	0.599	0.7147366+j2.2804172
Wainwright	Hardisty	377S	138	1.037	7.354	0.0210512+j0.0555285	6.001	0.0236348+j0.097142
Wainwright	HRTExpress	329S	138	1.037	7.016	0.022382+j0.0580805	5.609	0.0262296+j0.1063859
Wainwright	Jarrow	252S	138	1.024	3.949	0.0483637+j0.097911	2.963	0.055744+j0.2134054
Wainwright	Jarrow	252S	69	1.041	1.836	0.0685077+j0.4733408	1.696	0.0748011+j0.5927292
Wainwright	Nilrem	574S	138	1.04	8.199	0.0177438+j0.0504044	6.973	0.0175025+j0.0800866
Wainwright	Nilrem	574S	240	1.041	5.497	0.0148151+j0.043414	4.552	0.0168121+j0.0727538
Wainwright	Rosyth	296S	138	1.036	7.044	0.0221674+j0.057865	5.649	0.0260152+j0.1051527
Wainwright	Sedgewick	137S	138	1.039	3.007	0.0574282+j0.1337148	1.879	0.1061314+j0.3960219
Wainwright	Tucuman	478S	138	1.038	7.673	0.0199949+j0.0533545	6.366	0.0216193+j0.0899315
Wainwright	Wainwright	51S	138	1.013	3.412	0.0563238+j0.111586	2.462	0.0730802+j0.2623475

Short Circuit Levels – Alternative 1 – 3 Lines Open

Table-4: Short Circuit Levels for Alternative 1 - 3 Lines Open (Year 2037)

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Alliance	Battle River	757S	240	1.05	9.846	0.0065206+j0.0249591	10.588	0.002268+j0.0204095
Alliance	Battle River	757S	240	1.05	9.789	0.0065984+j0.0250956	10.496	0.0023826+j0.0207232
Alliance	Battle River	757S	138	1.058	7.197	0.0158686+j0.0598651	8.627	0.0026389+j0.0314115
Alliance	Battle River	757S	69	1.055	5.734	0.0410601+j0.1495885	5.744	0.0147636+j0.1550946
Alliance	Big Knife Creek	843S	69	1.055	5.524	0.0446068+j0.1546804	5.288	0.0224742+j0.1826317
Alliance	Bigfoot	756S	69	1.052	3.976	0.0729974+j0.2107558	3.09	0.0707532+j0.4121161
Alliance	Cordell	755S	240	1.05	9.858	0.0065545+j0.0249212	10.611	0.0022822+j0.0203062
Alliance	Heisler	764S	69	1.05	3.949	0.0705789+j0.2126306	3.599	0.0509519+j0.2868957
Alliance	Heisler	764S	138	1.055	4.276	0.0341429+j0.0981213	3.486	0.0389518+j0.1708343
Alliance	Mannix Mine	765S	69	1.055	5.21	0.0488816+j0.1635579	4.678	0.0176763+j0.2315126
Alliance	Paintearth	863S	240	1.049	6.429	0.0105554+j0.0380873	5.389	0.0149612+j0.0606053
Alliance	Tinchebray	972S	240	1.051	8.36	0.0071315+j0.0296177	8.135	0.005238+j0.0326481
Cold Lake	Beartrap	940S	138	1.06	3.403	0.0454262+j0.1224395	3.741	0.0116104+j0.0968052
Cold Lake	Bonnyville	700S	138	1.064	6.379	0.0211007+j0.0666809	5.803	0.0195414+j0.0892813
Cold Lake	Bourque	970S	138	1.053	10.101	0.0099083+j0.04255	9.733	0.0092422+j0.0485133
Cold Lake	Ethel Lake	717S	138	1.054	6.597	0.0206182+j0.0637206	5.684	0.0207257+j0.0978066
Cold Lake	Ethel Lake	717S	69	1.076	3.338	0.0403361+j0.2673646	3.824	0.0155398+j0.1671793
Cold Lake	Foster Creek	877S	138	1.034	3.706	0.0307183+j0.1128477	4.023	0.0052902+j0.0895046
Cold Lake	Grand Center	846S	138	1.056	5.626	0.0243407+j0.0747888	4.862	0.0261672+j0.1133777
Cold Lake	Kent	328S	138	1.065	5.949	0.0190724+j0.0725318	6.588	0.0055052+j0.0536074
Cold Lake	La Corey	721S	138	1.046	5.681	0.0269408+j0.0724116	4.88	0.0213781+j0.1145979
Cold Lake	Leming Lake	715S	138	1.055	9.627	0.0110411+j0.0446125	9.298	0.0089778+j0.0506316
Cold Lake	Lindbergh	969S	138	1.063	1.727	0.1036275+j0.2368333	1.03	0.2114498+j0.7617404
Cold Lake	Mahihkan	837S	138	1.053	10.035	0.0099773+j0.0428297	9.607	0.0094683+j0.0497077
Cold Lake	Mahkeses	889S	138	1.064	8.235	0.0110094+j0.0530185	8.533	0.0041444+j0.0489975
Cold Lake	MahNo	909S	138	1.059	8.556	0.0126899+j0.0503292	7.818	0.0135942+j0.0663796
Cold Lake	Marguerite Lake	826S	240	1.048	6.863	0.0070396+j0.0362019	6.218	0.0036219+j0.0485745
Cold Lake	Marguerite Lake	826S	138	1.052	10.77	0.0085093+j0.0400929	11.917	0.0034769+j0.0292791
Cold Lake	Morrison	2051S	138	1.063	6.093	0.0192533+j0.0705568	6.473	0.0087277+j0.0602285
Cold Lake	Nabiye	942S	138	1.07	6.875	0.0140301+j0.0636731	8.266	0.0048921+j0.0342745
Cold Lake	Norberg	936S	138	1.029	2.084	0.088229+j0.1876625	1.652	0.0947419+j0.3618187
Cold Lake	Primrose	859S	138	1.041	6.541	0.0178943+j0.0642869	6.438	0.0075344+j0.0707369
Cold Lake	Whitefish Lake	825S	240	1.052	9.325	0.0051817+j0.0267495	5.945	0.0162009+j0.0720475
Cold Lake	Wolf Lake	822S	138	1.047	9.53	0.009812+j0.0450455	8.723	0.0127762+j0.057834
Hanna	Big Valley	778S	69	1.05	1.779	0.2345911+j0.4399834	1.117	0.3525738+j1.3623452
Hanna	Castor	759S	69	1.047	2.021	0.2203499+j0.3782768	1.222	0.3256975+j1.2833949
Hanna	Coronation	773S	69	1.018	0.876	0.6768167+j0.7198322	0.522	0.992862+j3.0380316

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Hanna	Coyote Lake	963S	138	1.059	6.02	0.0105482+j0.0737981	9.018	-0.000308+j0.0002266
Hanna	Coyote Lake	963S	240	1.055	6.042	0.0068206+j0.0420176	6.17	0.0047612+j0.0396639
Hanna	Excel	910S	138	1.043	5.174	0.0176497+j0.0835474	6.675	0.0081344+j0.0266344
Hanna	Ghost Pine	114S	138	1.044	2.536	0.0693246+j0.1594192	1.144	0.4248469+j0.694016
Hanna	Halkirk	615S	240	1.052	6.152	0.0087606+j0.0404904	6.239	0.0046874+j0.0395457
Hanna	Hanna	763S	69	1.044	1.71	0.310707+j0.4132988	1.369	0.2273607+j0.9189288
Hanna	Heatburg	948S	138	1.044	3.336	0.0485518+j0.1227956	1.599	0.2758539+j0.4928854
Hanna	JOSS Hand Hills	572S	240	1.055	4.709	0.0089525+j0.0539111	4.382	0.0135736+j0.0655213
Hanna	Lakesend	508S	138	1.018	1.272	0.1419882+j0.3076547	0.809	0.2505242+j0.9032022
Hanna	Lanfine	959S	240	1.045	5.195	0.0109187+j0.0477712	5.526	0.0042999+j0.0401727
Hanna	Lanfine	959S	138	1.043	5.839	0.015113+j0.0741952	8.739	-0.0003045+j0.0003817
Hanna	Loyalist	903S	138	1.044	3.982	0.0372276+j0.1042026	3.626	0.03398+j0.1397763
Hanna	Marion Lake	873S	69	1.055	3.089	0.0937894+j0.2722645	1.92	0.1531735+j0.8043762
Hanna	Michichi Creek	802S	138	1.053	3.88	0.0351142+j0.1094466	2.742	0.1216908+j0.2297811
Hanna	Michichi Creek	802S	69	1.04	2.748	0.0703202+j0.3123968	2.843	0.0706649+j0.2794602
Hanna	Monitor	774S	138	1.047	5.517	0.0238195+j0.0765281	6.587	0.00555+j0.0411794
Hanna	Monitor	774S	69	1.063	1.47	0.0708624+j0.6088505	1.488	0.0357883+j0.5897182
Hanna	Nevis	766S	240	1.043	8.138	0.0073664+j0.0301568	5.839	0.01618+j0.0657753
Hanna	Nevis	766S	138	1.047	7.871	0.0105616+j0.0550249	6.917	0.0160341+j0.0775845
Hanna	Nevis	766S	69	1.038	2.322	0.0363641+j0.3753803	2.27	0.0305941+j0.4020645
Hanna	Oakland	946S	240	1.053	11.077	0.0041902+j0.0227923	11.092	0.0041313+j0.0227043
Hanna	Oyen	767S	138	1.042	5.07	0.0209452+j0.0845866	5.473	0.0202378+j0.0648739
Hanna	Oyen	767S	69	1.057	1.953	0.1116077+j0.4455219	1.922	0.0511595+j0.4815603
Hanna	Pemukan	932S	240	1.065	4.604	0.0165638+j0.0536726	4.857	0.0060159+j0.0475323
Hanna	Pemukan	932S	138	1.047	5.621	0.0227652+j0.0752752	6.926	0.0032444+j0.0345825
Hanna	Ribstone Creek	892S	138	1.025	1.616	0.1099441+j0.244824	1.066	0.1838119+j0.6662194
Hanna	Richdale	776S	69	1.048	1.369	0.4107708+j0.5026754	1.01	0.4210495+j1.333208
Hanna	Rowley	768S	138	1.046	2.668	0.0632395+j0.1532495	1.125	0.5452451+j0.6664068
Hanna	Stettler	769S	138	1.048	3.298	0.0339203+j0.1296032	2.245	0.0900421+j0.309995
Hanna	Stettler	769S	69	1.065	3.634	0.0555972+j0.2408578	2.528	0.101262+j0.5634741
Hanna	Sullivan Lake	775S	69	1.052	1.621	0.3095619+j0.4544058	0.979	0.486293+j1.6007245
Hanna	Three Hills	770S	138	1.041	2.565	0.0696171+j0.1566495	1.091	0.4859773+j0.726292
Hanna	Veteran	771S	138	1.032	2.103	0.0817298+j0.1906907	1.472	0.1246775+j0.4610113
Hanna	Youngstown	772S	69	1.059	1.215	0.4677843+j0.5730795	0.85	0.6019451+j1.6442668
Hanna	Youngstown-Express	AEC EXP	69	1.058	1.124	0.5078362+j0.6167978	0.786	0.6510091+j1.7850235
Lloydminster	Bauer	918S	138	1.021	2.987	0.076362+j0.1220737	3.205	0.0160524+j0.1213712
Lloydminster	Briker	880S	138	1.027	1.96	0.1120566+j0.1907658	1.412	0.1234623+j0.4736436
Lloydminster	Drury	2007S	138	1.029	3.233	0.0699325+j0.1144978	3.211	0.0277118+j0.1400812
Lloydminster	Hill	751S	138	1.028	2.107	0.1199868+j0.1672441	1.941	0.0545627+j0.2681363
Lloydminster	Hill	751S	69	1.066	2.191	0.1391738+j0.3863574	2.055	0.0687574+j0.4944406

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Lloydminster	Irish Creek	706S	138	1.014	1.484	0.1631313+j0.238105	1.604	0.0247387+j0.2435123
Lloydminster	Kitscoty	705S	138	1.025	2.205	0.1098877+j0.1624731	1.803	0.0801231+j0.330154
Lloydminster	Kitscoty	705S	69	1.066	1.136	0.390755+j0.6928233	0.846	0.4227059+j1.60107
Lloydminster	Lloydminster	716S	138	1.028	2.109	0.1189211+j0.1679059	1.848	0.0667327+j0.2996229
Lloydminster	Vermilion	710S	138	1.026	3.221	0.0743785+j0.1116609	3.679	0.0109221+j0.0908569
Provost	Edgerton	899S	138	1.041	3.895	0.0488581+j0.1015257	3.056	0.0500442+j0.2018133
Provost	Hansman Lake	650S	138	1.056	6.893	0.0248182+j0.0596462	7.332	0.0062915+j0.0541034
Provost	Hansman Lake	650S	240	1.05	5.338	0.0169424+j0.0445796	6.003	0.0039664+j0.032303
Provost	Hayter	277S	138	1.008	2.181	0.0902906+j0.1729823	1.534	0.1262343+j0.4293343
Provost	Hughenden	213S	138	1.045	4.759	0.0389598+j0.0839648	3.616	0.0463668+j0.1758668
Provost	Killarney Lake	267S	138	1.026	3.022	0.0646285+j0.1279343	2.145	0.0887416+j0.3098211
Provost	Metiskow	648S	138	1.056	6.891	0.0248375+j0.0596721	7.311	0.0063961+j0.0546002
Provost	Metiskow	648S	240	1.05	5.31	0.0170058+j0.0448178	5.93	0.0041505+j0.0333434
Provost	Provost	545S	138	1.041	3.646	0.0504135+j0.1093803	2.714	0.0585026+j0.2400515
Provost	Sunken Lake	221S	138	1.056	6.794	0.0251755+j0.0605094	7.095	0.0075409+j0.0581372
Vegreville	North Holden	395S	138	1.033	2.054	0.0999814+j0.1870702	1.623	0.0903213+j0.3778768
Vegreville	St. Paul	707S	138	1.039	2.509	0.0724229+j0.1580089	2.615	0.0121713+j0.1594783
Vegreville	Strome	223S	138	1.053	2.639	0.0675595+j0.1540637	1.848	0.0976786+j0.374669
Vegreville	Vegreville	709S	138	1.026	1.993	0.1101642+j0.1870573	1.923	0.0434749+j0.2475878
Vegreville	Vegreville	709S	69	1.026	2.838	0.1143092+j0.2824323	2.88	0.0418168+j0.2945891
Vegreville	Vilna	777S	138	1.022	2.022	0.0921009+j0.1912264	1.395	0.139379+j0.4840783
Vegreville	Vincent	2019S	138	1.022	2.07	0.1053579+j0.1796581	1.802	0.0671692+j0.3030964
Vegreville	Watt Lake	956S	138	1.027	1.308	0.1585812+j0.2917661	1.365	0.0309346+j0.3054008
Vegreville	Whitby Lake	819S	138	1.024	2.208	0.0834132+j0.1759328	1.562	0.1216553+j0.422899
Wainwright	Battle Sands	594S	138	1.046	6.225	0.0280031+j0.0650199	5.111	0.0292502+j0.1142091
Wainwright	Buffalo Creek	526S	138	1.019	3.006	0.073858+j0.1222933	2.711	0.0437404+j0.1903872
Wainwright	Clipper	656S	138	1.046	6.403	0.0271942+j0.0632274	5.318	0.0274503+j0.1083038
Wainwright	Cochin Pipeline Fabyan	968S	69	1.035	0.826	0.5632226+j0.9024632	0.594	0.714702+j2.280858
Wainwright	Hardisty	377S	138	1.047	6.67	0.0260185+j0.0607693	5.646	0.0249299+j0.099753
Wainwright	HRTExpress	329S	138	1.046	6.397	0.0273214+j0.0632699	5.304	0.0274861+j0.1089256
Wainwright	Jarrow	252S	69	1.038	1.778	0.0813538+j0.4860104	1.661	0.0747658+j0.5931676
Wainwright	Jarrow	252S	138	1.021	3.418	0.0607382+j0.1102448	2.753	0.0557098+j0.2138301
Wainwright	Nilrem	574S	240	1.044	5.015	0.0184098+j0.0469488	4.304	0.017345+j0.0738862
Wainwright	Nilrem	574S	138	1.047	7.378	0.0224029+j0.0554565	6.536	0.0181346+j0.0816017
Wainwright	Rosyth	296S	138	1.046	6.416	0.0271338+j0.063098	5.336	0.0273103+j0.1077638
Wainwright	Sedgewick	137S	138	1.043	2.887	0.0615263+j0.1392063	1.85	0.1065821+j0.3969854
Wainwright	Tucuman	478S	138	1.047	6.928	0.0249097+j0.0585752	5.975	0.0226595+j0.0920868
Wainwright	Wainwright	51S	138	1.014	3.141	0.064924+j0.1195644	2.367	0.073351+j0.263114

Short Circuit Levels – Alternative 2 – 3 Lines Closed

Table-5: Short Circuit Levels for Alternative 2 - 3 Lines Closed (Year 2037)

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Alliance	Battle River	757S	240	1.051	10.67	0.005204+j0.0232541	11.23	0.0022356+j0.0202286
Alliance	Battle River	757S	240	1.051	10.615	0.005263+j0.0233662	11.139	0.0023446+j0.0205252
Alliance	Battle River	757S	138	1.07	8.275	0.0123783+j0.0529722	9.646	0.0026732+j0.0313401
Alliance	Battle River	757S	69	1.065	6.043	0.0371471+j0.143634	5.967	0.0147954+j0.1546227
Alliance	Big Knife Creek	843S	69	1.065	5.82	0.0406101+j0.1485666	5.486	0.0224875+j0.1820132
Alliance	Bigfoot	756S	69	1.062	4.136	0.0690302+j0.2048323	3.166	0.070785+j0.4116441
Alliance	Cordell	755S	240	1.051	10.689	0.0052279+j0.0232066	11.262	0.0022476+j0.02012
Alliance	Heisler	764S	69	1.061	4.208	0.0626331+j0.2029732	3.785	0.0487372+j0.281017
Alliance	Heisler	764S	138	1.058	5.125	0.0258058+j0.0829242	3.929	0.0364779+j0.1624541
Alliance	Mannix Mine	765S	69	1.065	5.455	0.04518+j0.1579991	4.823	0.0176959+j0.2310967
Alliance	Paintearth	863S	240	1.051	6.827	0.0088645+j0.0361713	5.577	0.014938+j0.0604699
Alliance	Tinchebray	972S	240	1.053	8.883	0.0059379+j0.0280892	8.467	0.005225+j0.0325516
Cold Lake	Beartrap	940S	138	1.061	3.563	0.0448179+j0.1164493	3.874	0.011663+j0.0964365
Cold Lake	Bonnyville	700S	138	1.065	7.344	0.0196841+j0.0575315	6.529	0.0182477+j0.0821622
Cold Lake	Bourque	970S	138	1.054	10.552	0.0096672+j0.0407196	10.02	0.0092379+j0.0483264
Cold Lake	Ethel Lake	717S	138	1.055	6.802	0.0204805+j0.0616792	5.788	0.0207385+j0.0977144
Cold Lake	Ethel Lake	717S	69	1.077	3.367	0.0400711+j0.2652539	3.85	0.0155448+j0.1671414
Cold Lake	Foster Creek	877S	138	1.035	3.726	0.0306809+j0.1123283	4.04	0.0052908+j0.0895034
Cold Lake	Grand Center	846S	138	1.056	5.828	0.0242544+j0.0719863	4.964	0.0261875+j0.1132278
Cold Lake	Kent	328S	138	1.065	6.202	0.0191474+j0.0693718	6.798	0.0055323+j0.0534875
Cold Lake	La Corey	721S	138	1.049	5.953	0.0265262+j0.0689726	5.032	0.0213785+j0.1138187
Cold Lake	Leming Lake	715S	138	1.056	9.99	0.010898+j0.0429631	9.528	0.0089831+j0.0505313
Cold Lake	Lindbergh	969S	138	1.06	2.245	0.0850512+j0.1788873	1.467	0.1320216+j0.5016302
Cold Lake	Mahihkan	837S	138	1.054	10.478	0.0097375+j0.0410068	9.885	0.0094643+j0.0495254
Cold Lake	Mahkeses	889S	138	1.065	8.459	0.0109153+j0.0516112	8.693	0.0041509+j0.0489675
Cold Lake	MahNo	909S	138	1.06	8.839	0.0125322+j0.0486889	7.978	0.0135957+j0.06626
Cold Lake	Marguerite Lake	826S	240	1.049	6.975	0.0069707+j0.0356179	6.278	0.003626+j0.0485603
Cold Lake	Marguerite Lake	826S	138	1.056	11.14	0.0085157+j0.0388408	12.229	0.0034846+j0.0292525
Cold Lake	Morrison	2051S	138	1.064	6.374	0.0192642+j0.0672329	6.688	0.0087527+j0.0600419
Cold Lake	Nabiye	942S	138	1.07	7.011	0.013966+j0.0624238	8.393	0.0048924+j0.0342665
Cold Lake	Norberg	936S	138	1.032	2.606	0.0708944+j0.1503299	2.013	0.0783209+j0.3068044
Cold Lake	Primrose	859S	138	1.043	6.657	0.0177532+j0.0632204	6.515	0.007539+j0.0707229
Cold Lake	Whitefish Lake	825S	240	1.051	9.429	0.0051378+j0.0264354	5.972	0.0161999+j0.0720237
Cold Lake	Wolf Lake	822S	138	1.05	9.814	0.009702+j0.0437992	8.888	0.0127829+j0.0577893
Hanna	Big Valley	778S	69	1.053	1.747	0.2384328+j0.4494298	1.107	0.3533428+j1.3701456
Hanna	Castor	759S	69	1.058	2.06	0.2167685+j0.375229	1.237	0.3257111+j1.2831451
Hanna	Coronation	773S	69	1.03	0.886	0.67409+j0.7198137	0.527	0.9928814+j3.0379078

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Hanna	Coyote Lake	963S	138	1.065	6.05	0.0102393+j0.0737849	9.063	-0.000308+j0.0002267
Hanna	Coyote Lake	963S	240	1.061	6.091	0.006564+j0.0418873	6.211	0.0047618+j0.0396646
Hanna	Excel	910S	138	1.044	5.232	0.0166653+j0.0827675	6.739	0.0081356+j0.026638
Hanna	Ghost Pine	114S	138	1.049	2.416	0.0709927+j0.1690785	1.117	0.4338286+j0.7070212
Hanna	Halkirk	615S	240	1.054	6.43	0.0075649+j0.0389597	6.43	0.004687+j0.039497
Hanna	Hanna	763S	69	1.052	1.725	0.3092042+j0.4130082	1.378	0.227429+j0.918964
Hanna	Heatburg	948S	138	1.049	3.033	0.050984+j0.1367285	1.526	0.283277+j0.5082115
Hanna	JOSS Hand Hills	572S	240	1.061	4.742	0.0086956+j0.0537807	4.408	0.0135742+j0.0655221
Hanna	Lakesend	508S	138	1.028	1.284	0.1401671+j0.3080476	0.814	0.2507015+j0.9051737
Hanna	Lanfine	959S	240	1.045	5.323	0.0098159+j0.0467298	5.614	0.0043206+j0.0402271
Hanna	Lanfine	959S	138	1.045	5.913	0.0141286+j0.0734121	8.848	-0.0003034+j0.0003854
Hanna	Loyalist	903S	138	1.053	4.041	0.0353501+j0.1040362	3.65	0.034097+j0.1415109
Hanna	Marion Lake	873S	69	1.06	3.069	0.0945539+j0.2754224	1.915	0.153511+j0.8077653
Hanna	Michichi Creek	802S	138	1.06	3.874	0.034763+j0.1102925	2.742	0.1227323+j0.230454
Hanna	Michichi Creek	802S	69	1.045	2.754	0.0699745+j0.3128177	2.849	0.0711763+j0.2797781
Hanna	Monitor	774S	138	1.057	5.609	0.0219344+j0.0763329	6.624	0.0056668+j0.0429132
Hanna	Monitor	774S	69	1.073	1.481	0.068633+j0.6089341	1.498	0.0359111+j0.5915421
Hanna	Nevis	766S	240	1.045	8.298	0.0068554+j0.029719	5.814	0.0165361+j0.0676189
Hanna	Nevis	766S	138	1.051	5.722	0.0139934+j0.0761496	5.409	0.0165374+j0.0893814
Hanna	Nevis	766S	69	1.042	2.21	0.0409083+j0.3959527	2.179	0.0310974+j0.4138614
Hanna	Oakland	946S	240	1.058	11.216	0.0039477+j0.0226346	11.199	0.0041316+j0.0227048
Hanna	Oyen	767S	138	1.044	5.122	0.0200632+j0.0839171	5.514	0.0202388+j0.064877
Hanna	Oyen	767S	69	1.06	1.958	0.110484+j0.4449142	1.926	0.0511611+j0.4815636
Hanna	Pemukan	932S	240	1.053	4.861	0.0139154+j0.0506994	5.043	0.0058805+j0.0468566
Hanna	Pemukan	932S	138	1.056	5.707	0.0209259+j0.0751859	6.949	0.0033976+j0.0364899
Hanna	Ribstone Creek	892S	138	1.035	1.632	0.1081105+j0.245082	1.074	0.1839876+j0.6681864
Hanna	Richdale	776S	69	1.055	1.378	0.409318+j0.5024081	1.016	0.4211009+j1.3332341
Hanna	Rowley	768S	138	1.052	2.629	0.063472+j0.1567419	1.116	0.5532181+j0.6725175
Hanna	Stettler	769S	138	1.053	2.935	0.0373071+j0.1465952	2.101	0.090772+j0.3194258
Hanna	Stettler	769S	69	1.068	3.497	0.0594041+j0.2505543	2.468	0.102027+j0.5712649
Hanna	Sullivan Lake	775S	69	1.064	1.646	0.3062886+j0.4528682	0.99	0.4863124+j1.6006014
Hanna	Three Hills	770S	138	1.046	2.469	0.0708947+j0.164337	1.07	0.4954037+j0.7378502
Hanna	Veteran	771S	138	1.042	2.125	0.0798919+j0.190828	1.482	0.1248487+j0.4629664
Hanna	Youngstown	772S	69	1.065	1.221	0.4664068+j0.5728435	0.854	0.6019722+j1.6442803
Hanna	Youngstown-Express	AEC EXP	69	1.063	1.13	0.5064697+j0.6165719	0.789	0.6510345+j1.7850363
Lloydminster	Bauer	918S	138	1.057	3.851	0.0533502+j0.1023152	3.83	0.0163522+j0.1209639
Lloydminster	Briker	880S	138	1.064	2.106	0.0998667+j0.1878536	1.482	0.1231037+j0.4736019
Lloydminster	Drury	2007S	138	1.069	4.465	0.0430121+j0.0908986	3.951	0.0289632+j0.1392231
Lloydminster	Hill	751S	138	1.069	2.365	0.1020334+j0.160597	2.099	0.0546366+j0.2679029
Lloydminster	Hill	751S	69	1.108	2.347	0.1198701+j0.3792124	2.171	0.0688367+j0.4941899

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Lloydminster	Irish Creek	706S	138	1.06	3.154	0.0657639+j0.1247172	2.807	0.0264116+j0.1990144
Lloydminster	Kitscoty	705S	138	1.066	2.574	0.0883549+j0.1500382	1.978	0.0803822+j0.3296232
Lloydminster	Kitscoty	705S	69	1.109	1.201	0.3714149+j0.6856909	0.884	0.4227852+j1.6008188
Lloydminster	Lloydminster	716S	138	1.069	2.351	0.1018576+j0.1620346	1.987	0.0667561+j0.2994156
Lloydminster	Vermilion	710S	138	1.065	4.606	0.0450689+j0.0860712	4.786	0.0116619+j0.0892863
Provost	Edgerton	899S	138	1.066	4.073	0.0412736+j0.1022774	3.155	0.0488582+j0.2019771
Provost	Hansman Lake	650S	138	1.062	7.345	0.0212488+j0.0570971	7.666	0.0062687+j0.0540013
Provost	Hansman Lake	650S	240	1.05	5.75	0.0140109+j0.0419508	6.335	0.003951+j0.0322209
Provost	Hayter	277S	138	1.033	2.259	0.0817995+j0.1745337	1.585	0.1229282+j0.4249623
Provost	Hughenden	213S	138	1.051	5.039	0.0348019+j0.0806484	3.732	0.0460319+j0.1752078
Provost	Killarney Lake	267S	138	1.051	3.152	0.0558703+j0.1288584	2.231	0.084877+j0.3046339
Provost	Metiskow	648S	138	1.062	7.346	0.0212583+j0.0570894	7.647	0.0063531+j0.0544403
Provost	Metiskow	648S	240	1.05	5.718	0.0140719+j0.0421898	6.254	0.0041345+j0.0332605
Provost	Provost	545S	138	1.048	3.778	0.0468743+j0.1070336	2.766	0.0584797+j0.2399493
Provost	Sunken Lake	221S	138	1.062	7.24	0.0215723+j0.0579005	7.418	0.0074634+j0.0578997
Vegreville	North Holden	395S	138	1.018	4.668	0.0375087+j0.083763	3.089	0.0557714+j0.2275927
Vegreville	St. Paul	707S	138	1.042	2.871	0.0641687+j0.1381357	2.887	0.0125366+j0.1560254
Vegreville	Strome	223S	138	1.034	3.77	0.0416365+j0.1076259	2.416	0.0736404+j0.3019983
Vegreville	Vegreville	709S	138	1.013	4.023	0.0465075+j0.0950318	3.195	0.0372527+j0.1879308
Vegreville	Vegreville	709S	69	1.013	4.321	0.0506525+j0.1904068	3.989	0.0362873+j0.2446218
Vegreville	Vilna	777S	138	1.023	3.188	0.0585085+j0.1213314	2.352	0.0687841+j0.2731023
Vegreville	Vincent	2019S	138	1.023	3.414	0.0550075+j0.1132286	2.469	0.0637506+j0.2662353
Vegreville	Watt Lake	956S	138	1.019	2.998	0.0617823+j0.1288348	2.58	0.0334205+j0.2151777
Vegreville	Whitby Lake	819S	138	1.025	3.318	0.0557414+j0.1170694	2.449	0.067841+j0.2618036
Wainwright	Battle Sands	594S	138	1.052	6.818	0.0231208+j0.0606894	5.414	0.0282549+j0.1124162
Wainwright	Buffalo Creek	526S	138	1.052	3.682	0.0555414+j0.1065841	3.073	0.0439421+j0.1900849
Wainwright	Clipper	656S	138	1.052	7.03	0.022312+j0.0588983	5.646	0.026455+j0.1065108
Wainwright	Cochin Pipeline Fabyan	968S	69	1.061	0.858	0.5494789+j0.8908216	0.611	0.7147832+j2.2806256
Wainwright	Hardisty	377S	138	1.053	7.351	0.0211355+j0.0564311	6.014	0.0239346+j0.0979601
Wainwright	HRTExpress	329S	138	1.052	7.018	0.0224674+j0.0589728	5.626	0.0265218+j0.1071866
Wainwright	Jarrow	252S	69	1.064	1.871	0.0689927+j0.4743603	1.729	0.074847+j0.5929365
Wainwright	Jarrow	252S	138	1.048	3.984	0.0489573+j0.099184	3.008	0.0557885+j0.2136062
Wainwright	Nilrem	574S	240	1.051	5.491	0.0148401+j0.0438738	4.545	0.0171256+j0.0734832
Wainwright	Nilrem	574S	138	1.056	8.177	0.017763+j0.0513773	6.967	0.0178685+j0.0810687
Wainwright	Rosyth	296S	138	1.052	7.046	0.0222516+j0.0587689	5.666	0.026315+j0.1059708
Wainwright	Sedgewick	137S	138	1.051	3.028	0.0575298+j0.1342848	1.896	0.106243+j0.3963272
Wainwright	Tucuman	478S	138	1.054	7.665	0.0200719+j0.0542795	6.374	0.0219332+j0.0907836
Wainwright	Wainwright	51S	138	1.033	3.447	0.0568339+j0.1125732	2.498	0.0732028+j0.2627075

Short Circuit Levels – Alternative 2 – 3 Lines Open

Table-6: Short Circuit Levels for Alternative 2 - 3 Lines Open (Year 2037)

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Alliance	Battle River	757S	240	1.056	9.809	0.0066002+j0.0251743	10.572	0.0022685+j0.0204228
Alliance	Battle River	757S	240	1.056	9.752	0.0066797+j0.025314	10.481	0.0023833+j0.0207368
Alliance	Battle River	757S	138	1.077	7.2	0.016084+j0.0608688	8.658	0.0026393+j0.031423
Alliance	Battle River	757S	69	1.073	5.792	0.0412069+j0.1504696	5.814	0.014764+j0.1551054
Alliance	Big Knife Creek	843S	69	1.073	5.582	0.0447541+j0.1555696	5.354	0.0224747+j0.1826429
Alliance	Bigfoot	756S	69	1.07	4.024	0.0730882+j0.2116298	3.133	0.0707537+j0.4121268
Alliance	CordellI	755S	240	1.056	9.82	0.0066348+j0.0251377	10.596	0.0022829+j0.0203198
Alliance	Heisler	764S	69	1.071	4.004	0.0709915+j0.2138515	3.657	0.0509552+j0.2869175
Alliance	Heisler	764S	138	1.079	4.306	0.0345178+j0.0997095	3.535	0.0389549+j0.1708598
Alliance	Mannix Mine	765S	69	1.073	5.265	0.0490191+j0.1644142	4.737	0.0176768+j0.231523
Alliance	Paintearth	863S	240	1.054	6.427	0.0105879+j0.0382312	5.395	0.014966+j0.0606394
Alliance	Tinchebray	972S	240	1.057	8.345	0.0072028+j0.0298141	8.138	0.0052382+j0.0326568
Cold Lake	Beartrap	940S	138	1.06	3.403	0.0454265+j0.1224391	3.74	0.0116104+j0.0968052
Cold Lake	Bonnyville	700S	138	1.064	6.378	0.0211009+j0.0666804	5.802	0.0195414+j0.0892813
Cold Lake	Bourque	970S	138	1.053	10.1	0.0099085+j0.0425497	9.732	0.0092422+j0.0485133
Cold Lake	Ethel Lake	717S	138	1.054	6.596	0.0206184+j0.0637203	5.684	0.0207257+j0.0978066
Cold Lake	Ethel Lake	717S	69	1.076	3.338	0.0403366+j0.2673641	3.824	0.0155398+j0.1671793
Cold Lake	Foster Creek	877S	138	1.034	3.706	0.0307185+j0.1128473	4.023	0.0052902+j0.0895046
Cold Lake	Grand Center	846S	138	1.056	5.626	0.0243409+j0.0747885	4.861	0.0261672+j0.1133777
Cold Lake	Kent	328S	138	1.065	5.949	0.0190726+j0.0725315	6.588	0.0055052+j0.0536074
Cold Lake	La Corey	721S	138	1.046	5.68	0.026941+j0.0724111	4.879	0.0213781+j0.1145979
Cold Lake	Leming Lake	715S	138	1.055	9.626	0.0110413+j0.0446122	9.297	0.0089778+j0.0506316
Cold Lake	Lindbergh	969S	138	1.063	1.727	0.1036278+j0.2368324	1.03	0.2114498+j0.7617404
Cold Lake	Mahihkan	837S	138	1.053	10.034	0.0099774+j0.0428294	9.606	0.0094683+j0.0497077
Cold Lake	Mahkeses	889S	138	1.064	8.235	0.0110095+j0.0530183	8.532	0.0041444+j0.0489975
Cold Lake	MahNo	909S	138	1.059	8.556	0.01269+j0.050329	7.817	0.0135942+j0.0663796
Cold Lake	Marguerite Lake	826S	240	1.048	6.862	0.0070395+j0.0362014	6.216	0.0036219+j0.0485745
Cold Lake	Marguerite Lake	826S	138	1.052	10.768	0.0085094+j0.0400925	11.914	0.0034769+j0.0292791
Cold Lake	Morrison	2051S	138	1.063	6.093	0.0192534+j0.0705565	6.472	0.0087277+j0.0602285
Cold Lake	Nabiye	942S	138	1.07	6.875	0.0140302+j0.0636729	8.265	0.0048921+j0.0342745
Cold Lake	Norberg	936S	138	1.029	2.084	0.0882297+j0.1876607	1.652	0.0947419+j0.3618187
Cold Lake	Primrose	859S	138	1.041	6.541	0.0178945+j0.0642866	6.438	0.0075344+j0.0707369
Cold Lake	Whitefish Lake	825S	240	1.052	9.323	0.0051816+j0.0267488	5.944	0.0162009+j0.0720475
Cold Lake	Wolf Lake	822S	138	1.047	9.528	0.0098121+j0.0450452	8.722	0.0127762+j0.057834
Hanna	Big Valley	778S	69	1.06	1.791	0.2345617+j0.4405493	1.126	0.352574+j1.3623488
Hanna	Castor	759S	69	1.064	2.045	0.2204792+j0.3795979	1.238	0.3256983+j1.2834013
Hanna	Coronation	773S	69	1.034	0.886	0.6775173+j0.7229744	0.528	0.9928631+j3.0380354
Hanna	Coyote Lake	963S	138	1.065	6.035	0.010562+j0.0739129	9.041	-0.000308+j0.0002266
Hanna	Coyote Lake	963S	240	1.061	6.05	0.0068393+j0.0421264	6.183	0.0047613+j0.039663
Hanna	Excel	910S	138	1.043	5.181	0.0175084+j0.0833969	6.682	0.008132+j0.026619
Hanna	Ghost Pine	114S	138	1.049	2.545	0.0693093+j0.159571	1.149	0.4248485+j0.6940184

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Hanna	Halkirk	615S	240	1.058	6.152	0.0088319+j0.0406863	6.249	0.0046869+j0.03955
Hanna	Hanna	763S	69	1.055	1.722	0.3107678+j0.4143443	1.379	0.2273609+j0.918929
Hanna	Heatburg	948S	138	1.049	3.346	0.0485545+j0.1229212	1.605	0.2758553+j0.4928883
Hanna	JOSS Hand Hills	572S	240	1.061	4.718	0.0089712+j0.05402	4.394	0.0135737+j0.0655205
Hanna	Lakesend	508S	138	1.023	1.276	0.1417959+j0.3080059	0.811	0.2505247+j0.9032143
Hanna	Lanfine	959S	240	1.045	5.215	0.0107671+j0.0475483	5.547	0.0042494+j0.0399416
Hanna	Lanfine	959S	138	1.044	5.848	0.0149718+j0.0740441	8.753	-0.0003069+j0.0003664
Hanna	Loyalist	903S	138	1.049	3.993	0.0370607+j0.1044	3.637	0.0339811+j0.1397919
Hanna	Marion Lake	873S	69	1.067	3.116	0.0937832+j0.2728408	1.939	0.1531737+j0.8043818
Hanna	Michichi Creek	802S	138	1.06	3.892	0.0351014+j0.1096088	2.753	0.121691+j0.2297813
Hanna	Michichi Creek	802S	69	1.047	2.761	0.0702628+j0.3126178	2.857	0.070665+j0.2794603
Hanna	Monitor	774S	138	1.053	5.529	0.0236528+j0.0767169	6.602	0.0055511+j0.0411949
Hanna	Monitor	774S	69	1.069	1.475	0.070545+j0.6091617	1.493	0.0357894+j0.5897346
Hanna	Nevis	766S	240	1.047	8.14	0.0073929+j0.0302393	5.848	0.01618+j0.0657779
Hanna	Nevis	766S	138	1.051	7.885	0.0105826+j0.0551268	6.935	0.0160342+j0.0775866
Hanna	Nevis	766S	69	1.042	2.329	0.0362969+j0.3755252	2.277	0.0305942+j0.4020666
Hanna	Oakland	946S	240	1.058	11.068	0.0042094+j0.0228993	11.101	0.0041308+j0.022701
Hanna	Oyen	767S	138	1.043	5.076	0.0208203+j0.0844702	5.477	0.0202359+j0.0648608
Hanna	Oyen	767S	69	1.06	1.955	0.1113254+j0.4456404	1.925	0.0511573+j0.4815488
Hanna	Pemukan	932S	240	1.066	4.618	0.0163788+j0.0535855	4.867	0.0060181+j0.0475447
Hanna	Pemukan	932S	138	1.052	5.633	0.0225923+j0.0754417	6.941	0.0032448+j0.0345942
Hanna	Ribstone Creek	892S	138	1.03	1.621	0.1097543+j0.2451169	1.07	0.1838125+j0.6662315
Hanna	Richdale	776S	69	1.058	1.378	0.4107902+j0.5036204	1.017	0.4210493+j1.3332069
Hanna	Rowley	768S	138	1.052	2.678	0.0632239+j0.1534191	1.13	0.5452466+j0.666408
Hanna	Stettler	769S	138	1.054	3.31	0.0339361+j0.1297857	2.255	0.0900424+j0.3099976
Hanna	Stettler	769S	69	1.074	3.657	0.0555568+j0.2412266	2.546	0.1012622+j0.5634776
Hanna	Sullivan Lake	775S	69	1.068	1.638	0.3097098+j0.4559692	0.991	0.486294+j1.6007283
Hanna	Three Hills	770S	138	1.046	2.574	0.0695989+j0.1568279	1.095	0.4859791+j0.7262942
Hanna	Veteran	771S	138	1.037	2.109	0.081545+j0.1909347	1.477	0.124678+j0.4610232
Hanna	Youngstown	772S	69	1.066	1.221	0.4677063+j0.5738533	0.855	0.601944+j1.6442622
Hanna	Youngstown-Express	AEC EXP	69	1.065	1.13	0.5077526+j0.6175752	0.79	0.651008+j1.7850187
Lloydminster	Bauer	918S	138	1.088	2.997	0.0790277+j0.1309561	3.264	0.0160555+j0.1216537
Lloydminster	Briker	880S	138	1.084	2	0.1131821+j0.1986428	1.464	0.1230626+j0.4739806
Lloydminster	Drury	2007S	138	1.11	3.184	0.0724223+j0.1277168	3.23	0.0285633+j0.1426774
Lloydminster	Hill	751S	138	1.098	2.143	0.1231421+j0.1776202	2.007	0.0544719+j0.2683665
Lloydminster	Hill	751S	69	1.139	2.274	0.1425674+j0.3975132	2.155	0.0686599+j0.4946878
Lloydminster	Irish Creek	706S	138	1.099	1.527	0.1668924+j0.25374	1.671	0.0247123+j0.2436807
Lloydminster	Kitscoty	705S	138	1.098	2.242	0.1131602+j0.1727304	1.873	0.0801058+j0.3305213
Lloydminster	Kitscoty	705S	69	1.14	1.195	0.3941667+j0.7039912	0.896	0.4226083+j1.601318
Lloydminster	Lloydminster	716S	138	1.097	2.144	0.1218189+j0.1779801	1.914	0.0666094+j0.299866
Lloydminster	Vermilion	710S	138	1.103	3.191	0.077316+j0.1232633	3.699	0.0110543+j0.0916933
Provost	Edgerton	899S	138	1.079	3.867	0.0471979+j0.1076323	3.089	0.0489623+j0.202441
Provost	Hansman Lake	650S	138	1.07	6.88	0.0250272+j0.0605447	7.328	0.0064096+j0.0545856

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Provost	Hansman Lake	650S	240	1.05	5.371	0.0166936+j0.0443199	6.019	0.0040148+j0.0324772
Provost	Hayter	277S	138	1.043	2.22	0.0864851+j0.1782318	1.581	0.1230596+j0.4253883
Provost	Hughenden	213S	138	1.063	4.778	0.039366+j0.0850611	3.647	0.0465256+j0.1763855
Provost	Killarney Lake	267S	138	1.06	3.064	0.0606339+j0.1326779	2.212	0.0850284+j0.3051377
Provost	Metiskow	648S	138	1.07	6.878	0.0250479+j0.0605708	7.307	0.0065104+j0.0550744
Provost	Metiskow	648S	240	1.05	5.342	0.0167596+j0.0445629	5.946	0.0042004+j0.0335215
Provost	Provost	545S	138	1.055	3.663	0.0506207+j0.1103444	2.734	0.0586211+j0.2405344
Provost	Sunken Lake	221S	138	1.07	6.783	0.0253884+j0.0614105	7.095	0.0076554+j0.058611
Vegreville	North Holden	395S	138	1.087	2.095	0.1015645+j0.1936248	1.678	0.0903484+j0.3780716
Vegreville	St. Paul	707S	138	1.039	2.509	0.0724235+j0.1580076	2.614	0.0121713+j0.1594783
Vegreville	Strome	223S	138	1.092	2.677	0.0682859+j0.1576053	1.895	0.0976925+j0.3747574
Vegreville	Vegreville	709S	138	1.091	2.033	0.1125129+j0.1960787	1.987	0.0435155+j0.2478802
Vegreville	Vegreville	709S	69	1.091	2.926	0.1166579+j0.2914537	2.996	0.0418524+j0.294834
Vegreville	Vilna	777S	138	1.022	2.022	0.0921018+j0.1912242	1.394	0.139379+j0.4840783
Vegreville	Vincent	2019S	138	1.091	2.108	0.1078482+j0.1896079	1.867	0.0673297+j0.3037749
Vegreville	Watt Lake	956S	138	1.092	1.352	0.1609485+j0.3008099	1.421	0.0309249+j0.3055031
Vegreville	Whitby Lake	819S	138	1.024	2.207	0.083414+j0.1759308	1.562	0.1216553+j0.422899
Wainwright	Battle Sands	594S	138	1.069	6.22	0.0285973+j0.0664173	5.138	0.02958+j0.1150808
Wainwright	Buffalo Creek	526S	138	1.079	3.028	0.0762149+j0.1292172	2.781	0.0437656+j0.1906358
Wainwright	Clipper	656S	138	1.068	6.394	0.0277883+j0.0646251	5.343	0.0277802+j0.1091755
Wainwright	Cochin Pipeline Fabian	968S	69	1.08	0.858	0.5634695+j0.9065454	0.618	0.7147501+j2.2810826
Wainwright	Hardisty	377S	138	1.069	6.654	0.0266131+j0.0621653	5.666	0.0252597+j0.1006248
Wainwright	HRT Express	329S	138	1.069	6.388	0.0279095+j0.0646522	5.329	0.0278075+j0.1097786
Wainwright	Jarrow	252S	69	1.084	1.839	0.0829176+j0.4900004	1.724	0.0748132+j0.593391
Wainwright	Jarrow	252S	138	1.067	3.447	0.0624227+j0.1143571	2.819	0.0557557+j0.2140465
Wainwright	Nilrem	574S	240	1.058	5.001	0.0187472+j0.0476539	4.3	0.0176784+j0.0746509
Wainwright	Nilrem	574S	138	1.07	7.342	0.0229585+j0.0568698	6.536	0.0185244+j0.082631
Wainwright	Rosyth	296S	138	1.068	6.407	0.0277279+j0.0644957	5.361	0.0276402+j0.1086355
Wainwright	Sedgewick	137S	138	1.063	2.916	0.0619757+j0.1404254	1.876	0.1067052+j0.3973131
Wainwright	Tucuman	478S	138	1.069	6.905	0.0255102+j0.0599941	5.99	0.023001+j0.0929894
Wainwright	Wainwright	51S	138	1.05	3.18	0.066292+j0.1222456	2.421	0.0734828+j0.263498

Short Circuit Levels – Alternative 2 @ 240 kV – 3 Lines Closed

Table-7: Short Circuit Levels for Alternative 2 @ 240 kV - 3 Lines Closed (Year 2037)

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Alliance	Battle River	757S	240	1.049	10.741	0.0052535+j0.023056	11.29	0.0022378+j0.0201713
Alliance	Battle River	757S	240	1.049	10.686	0.0053123+j0.0231679	11.198	0.0023465+j0.020467
Alliance	Battle River	757S	138	1.066	8.27	0.0122793+j0.0528315	9.636	0.0026698+j0.0313165
Alliance	Battle River	757S	69	1.062	6.031	0.0371142+j0.1435962	5.955	0.0147923+j0.1546065
Alliance	Bigfoot	756S	69	1.059	4.127	0.0690431+j0.2048327	3.159	0.0707819+j0.4116278
Alliance	Big Knife Creek	843S	69	1.061	5.808	0.0405791+j0.1485311	5.474	0.0224845+j0.1819976
Alliance	Cordell	755S	240	1.049	10.761	0.0052776+j0.0230072	11.322	0.0022495+j0.020061
Alliance	Heisler	764S	138	1.054	5.123	0.0256615+j0.0827712	3.923	0.036477+j0.1624444
Alliance	Heisler	764S	69	1.058	4.201	0.0625148+j0.2028891	3.777	0.048736+j0.2810075
Alliance	Mannix Mine	765S	69	1.061	5.444	0.0451488+j0.1579603	4.813	0.0176929+j0.2310808
Alliance	Paintearth	863S	240	1.049	6.867	0.0089916+j0.0358911	5.598	0.0149417+j0.0603511
Alliance	Tinchebray	972S	240	1.051	8.925	0.0059809+j0.0279056	8.493	0.0052268+j0.0325109
Cold Lake	Beartrap	940S	138	1.055	3.562	0.0444981+j0.1158976	3.868	0.011658+j0.0963887
Cold Lake	Bonnyville	700S	138	1.057	7.403	0.0191391+j0.0567337	6.569	0.0178636+j0.0813117
Cold Lake	Bourque	970S	138	1.051	10.576	0.009571+j0.0405474	10.027	0.0092315+j0.0483032
Cold Lake	Ethel Lake	717S	138	1.052	6.81	0.020386+j0.0614795	5.786	0.0207372+j0.0977025
Cold Lake	Ethel Lake	717S	69	1.074	3.362	0.0400011+j0.2650295	3.843	0.0155443+j0.1671365
Cold Lake	Foster Creek	877S	138	1.034	3.725	0.0306688+j0.1122588	4.038	0.0052909+j0.0895033
Cold Lake	Grand Center	846S	138	1.053	5.835	0.0241312+j0.0717114	4.962	0.0261853+j0.1132085
Cold Lake	Kent	328S	138	1.062	6.213	0.0190196+j0.0690624	6.802	0.005532+j0.0534717
Cold Lake	La Corey	721S	138	1.044	5.958	0.0263441+j0.0686491	5.027	0.0213542+j0.1137216
Cold Lake	Leming Lake	715S	138	1.054	10.009	0.0108199+j0.0428019	9.533	0.0089807+j0.0505186
Cold Lake	Lindbergh	969S	138	1.052	2.262	0.0829744+j0.1766252	1.467	0.1320067+j0.5009246
Cold Lake	Mahihkan	837S	138	1.051	10.502	0.0096417+j0.0408352	9.892	0.0094582+j0.0495028
Cold Lake	Mahkeses	889S	138	1.063	8.469	0.010852+j0.0514718	8.695	0.0041508+j0.0489636
Cold Lake	MahNo	909S	138	1.058	8.852	0.0124523+j0.0485312	7.979	0.0135922+j0.066245
Cold Lake	Marguerite Lake	826S	138	1.053	11.155	0.0084672+j0.0387185	12.234	0.0034847+j0.029249
Cold Lake	Marguerite Lake	826S	240	1.048	6.983	0.0069428+j0.0355685	6.282	0.0036261+j0.0485587
Cold Lake	Morrison	2051S	138	1.061	6.387	0.0191231+j0.0669104	6.692	0.00875+j0.0600177
Cold Lake	Nabiye	942S	138	1.069	7.015	0.0139127+j0.0622984	8.394	0.0048922+j0.0342655
Cold Lake	Norberg	936S	138	1.026	2.607	0.0703063+j0.1496271	2.009	0.0783098+j0.3066848
Cold Lake	Primrose	859S	138	1.041	6.659	0.0177011+j0.0631142	6.513	0.0075392+j0.070721
Cold Lake	Whitefish Lake	825S	240	1.052	9.441	0.0051245+j0.0264144	5.977	0.0161998+j0.0720219
Cold Lake	Wolf Lake	822S	138	1.048	9.825	0.0096434+j0.0436792	8.888	0.0127824+j0.0577836
Hanna	Big Valley	778S	69	1.052	1.747	0.2384344+j0.4493392	1.107	0.3533421+j1.3701366
Hanna	Castor	759S	69	1.054	2.056	0.2167629+j0.375033	1.234	0.3257083+j1.2831353
Hanna	Coronation	773S	69	1.027	0.884	0.6739675+j0.7191524	0.525	0.9928789+j3.0379019

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Hanna	Coyote Lake	963S	138	1.06	6.041	0.0102273+j0.0736664	9.05	-0.000308+j0.0002267
Hanna	Coyote Lake	963S	240	1.056	6.089	0.0065501+j0.0417669	6.203	0.0047618+j0.0396653
Hanna	Excel	910S	138	1.043	5.233	0.0167573+j0.0828079	6.741	0.0081377+j0.026651
Hanna	Ghost Pine	114S	138	1.048	2.416	0.0710182+j0.1689937	1.116	0.4338235+j0.7070128
Hanna	Halkirk	615S	240	1.052	6.45	0.0076082+j0.0387764	6.442	0.0046905+j0.039477
Hanna	Hanna	763S	69	1.049	1.722	0.3091998+j0.4127205	1.376	0.2274286+j0.9189631
Hanna	Heatburg	948S	138	1.048	3.034	0.051+j0.1366573	1.526	0.283273+j0.508202
Hanna	JOSS Hand Hills	572S	240	1.056	4.738	0.0086817+j0.0536603	4.4	0.0135742+j0.0655228
Hanna	Lakesend	508S	138	1.023	1.281	0.1399143+j0.307761	0.811	0.2506979+j0.9051578
Hanna	Lanfine	959S	138	1.044	5.914	0.0142206+j0.0734528	8.849	-0.0003013+j0.0003984
Hanna	Lanfine	959S	240	1.045	5.32	0.0099208+j0.0468032	5.606	0.0043647+j0.0404232
Hanna	Loyalist	903S	138	1.049	4.037	0.0350257+j0.103879	3.643	0.0340915+j0.1414955
Hanna	Marion Lake	873S	69	1.058	3.066	0.09455+j0.2753571	1.914	0.1535095+j0.8077541
Hanna	Michichi Creek	802S	69	1.041	2.748	0.0699838+j0.3126949	2.842	0.0711759+j0.2797778
Hanna	Michichi Creek	802S	138	1.055	3.868	0.0347692+j0.1101625	2.736	0.1227317+j0.2304534
Hanna	Monitor	774S	138	1.052	5.608	0.0216062+j0.07618	6.618	0.0056613+j0.0428978
Hanna	Monitor	774S	69	1.068	1.477	0.0684198+j0.6087005	1.493	0.0359054+j0.5915259
Hanna	Nevis	766S	240	1.046	8.324	0.006869+j0.029664	5.827	0.0165369+j0.0676084
Hanna	Nevis	766S	138	1.051	5.731	0.0140036+j0.0760923	5.415	0.0165375+j0.0893745
Hanna	Nevis	766S	69	1.042	2.212	0.0409131+j0.3958967	2.181	0.0310975+j0.4138544
Hanna	Oakland	946S	240	1.053	11.24	0.0039339+j0.0225128	11.202	0.0041321+j0.0227075
Hanna	Oyen	767S	138	1.043	5.123	0.0201436+j0.0839434	5.515	0.0202405+j0.064888
Hanna	Oyen	767S	69	1.058	1.958	0.110618+j0.4448515	1.926	0.051163+j0.4815733
Hanna	Pemukan	932S	138	1.052	5.706	0.0206303+j0.0750278	6.944	0.0033942+j0.0364745
Hanna	Pemukan	932S	240	1.052	4.877	0.0140161+j0.0504879	5.056	0.0058814+j0.0468216
Hanna	Ribstone Creek	892S	138	1.031	1.629	0.1078488+j0.2448411	1.071	0.183984+j0.6681706
Hanna	Richdale	776S	69	1.052	1.376	0.4093298+j0.502134	1.014	0.4211008+j1.3332343
Hanna	Rowley	768S	138	1.048	2.626	0.063486+j0.1566252	1.114	0.5532133+j0.6725131
Hanna	Stettler	769S	69	1.067	3.496	0.0594074+j0.2504903	2.468	0.1020263+j0.5712559
Hanna	Stettler	769S	138	1.053	2.938	0.0373132+j0.1465377	2.102	0.0907714+j0.3194183
Hanna	Sullivan Lake	775S	69	1.061	1.643	0.3062913+j0.4525715	0.988	0.4863099+j1.6005952
Hanna	Three Hills	770S	138	1.044	2.468	0.0709169+j0.1642347	1.069	0.4953983+j0.7378426
Hanna	Veteran	771S	138	1.037	2.121	0.0796197+j0.1906229	1.478	0.1248451+j0.4629507
Hanna	Youngstown	772S	69	1.062	1.22	0.4664568+j0.5725927	0.853	0.6019729+j1.6442838
Hanna	Youngstown-Express	AEC EXP	69	1.061	1.129	0.5065217+j0.616318	0.788	0.6510354+j1.7850399
Lloydminster	Bauer	918S	138	1.041	4.123	0.0466136+j0.0953417	3.995	0.0165705+j0.1190958
Lloydminster	Briker	880S	138	1.047	2.233	0.0893124+j0.17626	1.556	0.1155253+j0.4471037
Lloydminster	Drury	2007S	138	1.048	5.446	0.030092+j0.0750843	4.784	0.0227728+j0.1133466
Lloydminster	Drury	2007S	240	1.048	3.148	0.0241107+j0.076889	2.618	0.0239943+j0.1278883
Lloydminster	Hill	751S	69	1.088	2.373	0.1099085+j0.3705762	2.183	0.0676252+j0.4864663

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Lloydminster	Hill	751S	138	1.05	2.476	0.0927692+j0.1525637	2.16	0.053509+j0.260712
Lloydminster	Irish Creek	706S	138	1.047	3.251	0.0614942+j0.12039	2.846	0.0265811+j0.1980008
Lloydminster	Kitscoty	705S	138	1.046	2.698	0.079798+j0.1424394	2.022	0.0797381+j0.3238843
Lloydminster	Kitscoty	705S	69	1.089	1.199	0.3614287+j0.677054	0.877	0.4215645+j1.5930767
Lloydminster	Lloydminster	716S	138	1.05	2.465	0.0924497+j0.1536963	2.05	0.0649132+j0.290139
Lloydminster	Vermilion	710S	138	1.046	5.27	0.0355179+j0.0755309	5.349	0.0110247+j0.0816282
Provost	Edgerton	899S	138	1.054	5.191	0.0269704+j0.0811761	4.365	0.0265922+j0.1320727
Provost	Edgerton	899S	240	1.051	3.526	0.0209201+j0.0691679	2.894	0.025312+j0.1172471
Provost	Hansman Lake	650S	138	1.056	7.407	0.0195555+j0.0568254	7.7	0.0060104+j0.0538133
Provost	Hansman Lake	650S	240	1.05	5.813	0.0145219+j0.041306	6.416	0.0039546+j0.0317226
Provost	Hayter	277S	138	1.01	2.017	0.0791252+j0.1960441	1.554	0.1052833+j0.3886523
Provost	Hughenden	213S	138	1.042	5.024	0.0338605+j0.0805386	3.725	0.0454107+j0.1739087
Provost	Killarney Lake	267S	138	1.029	2.708	0.0522824+j0.1514174	2.21	0.0643603+j0.2616363
Provost	Metiskow	648S	138	1.056	7.422	0.0195844+j0.0566785	7.7	0.0060959+j0.0540403
Provost	Metiskow	648S	240	1.05	5.779	0.0145749+j0.0415569	6.332	0.0041349+j0.03278
Provost	Provost	545S	138	1.041	3.786	0.0452314+j0.1067678	2.762	0.0582209+j0.2397612
Provost	Sunken Lake	221S	138	1.055	7.313	0.0199085+j0.0574934	7.466	0.0072051+j0.0574933
Vegreville	North Holden	395S	138	1.019	4.723	0.0367796+j0.0830196	3.11	0.0557456+j0.2271322
Vegreville	St. Paul	707S	138	1.036	2.871	0.0636209+j0.137419	2.881	0.0125382+j0.1559776
Vegreville	Strome	223S	138	1.032	3.778	0.0413255+j0.1073084	2.417	0.0736378+j0.3018956
Vegreville	Vegreville	709S	69	1.008	4.363	0.0485462+j0.1881624	4.013	0.0361554+j0.2433021
Vegreville	Vegreville	709S	138	1.008	4.121	0.0444012+j0.0927874	3.239	0.0371052+j0.1863554
Vegreville	Vilna	777S	138	1.019	3.201	0.0577868+j0.1205355	2.352	0.0687944+j0.2729507
Vegreville	Vincent	2019S	138	1.013	3.551	0.050952+j0.1086955	2.528	0.0628243+j0.2611024
Vegreville	Watt Lake	956S	138	1.015	3.024	0.0604834+j0.1274493	2.589	0.0334545+j0.2148196
Vegreville	Whitby Lake	819S	138	1.021	3.33	0.0551026+j0.1163517	2.449	0.0678476+j0.2616775
Wainwright	Battle Sands	594S	138	1.039	6.724	0.0227718+j0.0609864	5.42	0.0267227+j0.1093438
Wainwright	Buffalo Creek	526S	138	1.038	3.832	0.0508047+j0.1019579	3.124	0.0440847+j0.1891541
Wainwright	Clipper	656S	138	1.039	6.933	0.0219632+j0.059195	5.654	0.0249229+j0.1034385
Wainwright	Cochin Pipeline Fabyan	968S	69	1.05	0.851	0.5486873+j0.8894315	0.605	0.7148095+j2.280407
Wainwright	Hardisty	377S	138	1.04	7.248	0.0207855+j0.0567297	6.029	0.0224025+j0.0948878
Wainwright	HRTExpress	329S	138	1.04	6.925	0.0220983+j0.0592544	5.634	0.0250327+j0.1041945
Wainwright	Jarrow	252S	138	1.036	4.042	0.046716+j0.0972058	3.012	0.0558143+j0.2133957
Wainwright	Jarrow	252S	69	1.053	1.859	0.0667785+j0.4726418	1.716	0.0748737+j0.5927191
Wainwright	Nilrem	574S	138	1.043	8.031	0.0174527+j0.0518385	7.014	0.0159489+j0.0772223
Wainwright	Nilrem	574S	240	1.045	5.709	0.0147644+j0.0417803	4.825	0.0152567+j0.0672326
Wainwright	Rosyth	296S	138	1.039	6.948	0.0219028+j0.0590657	5.675	0.0247829+j0.1028985
Wainwright	Sedgewick	137S	138	1.042	3.008	0.0573153+j0.134199	1.885	0.1056853+j0.3952185
Wainwright	Tucuman	478S	138	1.041	7.549	0.0197364+j0.0546243	6.395	0.020324+j0.0875657
Wainwright	Wainwright	51S	138	1.021	3.435	0.0558357+j0.1119539	2.481	0.0728389+j0.2622004

Short Circuit Levels – Alternative 2 @ 240 kV – 3 Lines Open

Table-8: Short Circuit Levels for Alternative 2 @ 240 kV - 3 Lines Open (Year 2037)

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Alliance	Battle River	757S	240	1.053	9.832	0.0065288+j0.0250865	10.593	0.0022695+j0.0203663
Alliance	Battle River	757S	240	1.053	9.775	0.0066055+j0.0252256	10.502	0.002384+j0.0206794
Alliance	Battle River	757S	138	1.068	7.258	0.015251+j0.0600344	8.699	0.0026353+j0.0314029
Alliance	Battle River	757S	69	1.065	5.782	0.0404802+j0.149858	5.794	0.0147609+j0.1550926
Alliance	Big Knife Creek	843S	69	1.065	5.572	0.0440169+j0.154949	5.334	0.0224717+j0.1826307
Alliance	Bigfoot	756S	69	1.062	4.012	0.0724143+j0.211051	3.117	0.0707505+j0.412114
Alliance	Cordell	755S	240	1.053	9.844	0.0065629+j0.0250494	10.617	0.0022835+j0.0202616
Alliance	Heisler	764S	69	1.063	3.996	0.0696766+j0.2129752	3.642	0.050953+j0.2868956
Alliance	Heisler	764S	138	1.068	4.34	0.0329671+j0.0982526	3.533	0.0389547+j0.1708284
Alliance	Mannix Mine	765S	69	1.065	5.254	0.0483237+j0.1638252	4.718	0.0176737+j0.2315104
Alliance	Paintearth	863S	240	1.052	6.434	0.0106107+j0.0381404	5.4	0.0149676+j0.0605207
Alliance	Tinchebray	972S	240	1.055	8.357	0.0071374+j0.0297305	8.144	0.0052392+j0.0326166
Cold Lake	Beartrap	940S	138	1.055	3.398	0.0452328+j0.1220532	3.733	0.0116045+j0.0967497
Cold Lake	Bonnyville	700S	138	1.057	6.397	0.020763+j0.0661237	5.824	0.0190902+j0.0882934
Cold Lake	Bourque	970S	138	1.05	10.112	0.0098523+j0.0424294	9.734	0.0092346+j0.0484864
Cold Lake	Ethel Lake	717S	138	1.052	6.598	0.0205645+j0.0635808	5.681	0.0207242+j0.0977927
Cold Lake	Ethel Lake	717S	69	1.074	3.333	0.0403051+j0.267204	3.818	0.0155391+j0.1671736
Cold Lake	Foster Creek	877S	138	1.033	3.705	0.0307139+j0.112799	4.022	0.0052902+j0.0895044
Cold Lake	Grand Center	846S	138	1.053	5.627	0.0242704+j0.0745967	4.857	0.0261646+j0.1133552
Cold Lake	Kent	328S	138	1.062	5.953	0.0189995+j0.0723174	6.587	0.0055047+j0.053589
Cold Lake	La Corey	721S	138	1.042	5.68	0.026834+j0.0721859	4.874	0.0213494+j0.114485
Cold Lake	Leming Lake	715S	138	1.053	9.635	0.0109969+j0.0444997	9.298	0.0089749+j0.0506169
Cold Lake	Lindbergh	969S	138	1.059	1.724	0.1033208+j0.2362386	1.027	0.2110447+j0.7608545
Cold Lake	Mahihkan	837S	138	1.05	10.045	0.0099216+j0.0427096	9.608	0.009461+j0.0496814
Cold Lake	Mahkeses	889S	138	1.062	8.239	0.0109741+j0.0529211	8.532	0.0041442+j0.048993
Cold Lake	MahNo	909S	138	1.057	8.561	0.0126442+j0.050219	7.816	0.01359+j0.0663622
Cold Lake	Marguerite Lake	826S	240	1.048	6.867	0.0070252+j0.0361704	6.218	0.003622+j0.0485727
Cold Lake	Marguerite Lake	826S	138	1.05	10.777	0.0084843+j0.0400103	11.918	0.003477+j0.0292751
Cold Lake	Morrison	2051S	138	1.061	6.097	0.019172+j0.0703329	6.471	0.0087244+j0.0602004
Cold Lake	Nabiye	942S	138	1.068	6.876	0.0140008+j0.0635855	8.264	0.0048919+j0.0342734
Cold Lake	Norberg	936S	138	1.026	2.08	0.0881099+j0.1874187	1.648	0.0947101+j0.3616918
Cold Lake	Primrose	859S	138	1.04	6.541	0.0178654+j0.0642127	6.435	0.0075345+j0.0707347
Cold Lake	Whitefish Lake	825S	240	1.052	9.332	0.0051755+j0.0267376	5.948	0.0162008+j0.0720455
Cold Lake	Wolf Lake	822S	138	1.046	9.534	0.0097795+j0.0449627	8.721	0.0127755+j0.0578274
Hanna	Big Valley	778S	69	1.056	1.788	0.2344316+j0.4403028	1.123	0.352573+j1.3623396
Hanna	Castor	759S	69	1.056	2.037	0.2199467+j0.3789611	1.232	0.3256956+j1.2833935
Hanna	Coronation	773S	69	1.027	0.882	0.6768666+j0.7216306	0.525	0.9928607+j3.0380306
Hanna	Coyote Lake	963S	138	1.06	6.024	0.0105309+j0.0738156	9.025	-0.000308+j0.0002266

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Hanna	Coyote Lake	963S	240	1.055	6.045	0.006808+j0.0420283	6.173	0.0047613+j0.0396637
Hanna	Excel	910S	138	1.043	5.177	0.0175849+j0.0835268	6.678	0.0081341+j0.0266322
Hanna	Ghost Pine	114S	138	1.048	2.544	0.0692959+j0.1595106	1.148	0.4248427+j0.6940088
Hanna	Halkirk	615S	240	1.055	6.155	0.0087666+j0.0406033	6.248	0.00469+j0.0395301
Hanna	Hanna	763S	69	1.049	1.717	0.3105875+j0.4138645	1.375	0.2273604+j0.9189283
Hanna	Heatburg	948S	138	1.048	3.347	0.0485274+j0.122875	1.605	0.2758507+j0.4928773
Hanna	JOSS Hand Hills	572S	240	1.056	4.711	0.0089399+j0.0539218	4.385	0.0135737+j0.0655212
Hanna	Lakesend	508S	138	1.017	1.272	0.1414279+j0.3078087	0.808	0.2505209+j0.9031986
Hanna	Lanfine	959S	240	1.045	5.201	0.0108459+j0.0477325	5.531	0.0042936+j0.0401402
Hanna	Lanfine	959S	138	1.044	5.843	0.0150481+j0.0741744	8.745	-0.0003048+j0.0003796
Hanna	Loyalist	903S	138	1.043	3.983	0.0365868+j0.1043607	3.625	0.0339755+j0.1397766
Hanna	Marion Lake	873S	69	1.062	3.109	0.0935112+j0.2725292	1.933	0.153172+j0.8043717
Hanna	Michichi Creek	802S	138	1.055	3.885	0.0350825+j0.1094966	2.747	0.1216903+j0.2297806
Hanna	Michichi Creek	802S	69	1.042	2.753	0.0702417+j0.3124826	2.848	0.0706646+j0.2794599
Hanna	Monitor	774S	138	1.047	5.518	0.0231729+j0.076684	6.586	0.0055455+j0.0411797
Hanna	Monitor	774S	69	1.063	1.469	0.0702148+j0.6090344	1.487	0.0357835+j0.5897185
Hanna	Nevis	766S	240	1.048	8.159	0.0073626+j0.0302137	5.86	0.0161806+j0.0657679
Hanna	Nevis	766S	138	1.051	7.897	0.0105444+j0.0550934	6.943	0.0160343+j0.0775786
Hanna	Nevis	766S	69	1.042	2.331	0.0362559+j0.3754954	2.279	0.0305943+j0.4020586
Hanna	Oakland	946S	240	1.053	11.081	0.0041791+j0.0227999	11.097	0.0041313+j0.0227037
Hanna	Oyen	767S	138	1.043	5.073	0.0208871+j0.0845736	5.476	0.0202376+j0.064872
Hanna	Oyen	767S	69	1.058	1.954	0.1114673+j0.4456006	1.924	0.0511592+j0.4815586
Hanna	Pemukan	932S	240	1.065	4.613	0.0164121+j0.0536193	4.864	0.0060182+j0.0475082
Hanna	Pemukan	932S	138	1.047	5.621	0.0221567+j0.0754116	6.925	0.0032413+j0.034579
Hanna	Ribstone Creek	892S	138	1.025	1.616	0.1093727+j0.2449788	1.066	0.1838087+j0.6662158
Hanna	Richdale	776S	69	1.053	1.374	0.4106601+j0.5031887	1.014	0.4210492+j1.3332074
Hanna	Rowley	768S	138	1.048	2.674	0.0632076+j0.1533238	1.128	0.5452411+j0.6664031
Hanna	Stettler	769S	138	1.053	3.312	0.0338623+j0.1297242	2.256	0.0900417+j0.3099895
Hanna	Stettler	769S	69	1.071	3.652	0.0554273+j0.2410461	2.541	0.1012613+j0.5634685
Hanna	Sullivan Lake	775S	69	1.061	1.632	0.3092733+j0.4552974	0.986	0.4862917+j1.6007235
Hanna	Three Hills	770S	138	1.044	2.572	0.069585+j0.1567498	1.094	0.4859729+j0.7262855
Hanna	Veteran	771S	138	1.032	2.103	0.0811473+j0.1908431	1.472	0.1246743+j0.4610077
Hanna	Youngstown	772S	69	1.062	1.218	0.4676745+j0.5734978	0.853	0.6019448+j1.6442658
Hanna	Youngstown-Express	AEC EXP	69	1.061	1.127	0.507726+j0.6172163	0.788	0.6510088+j1.7850225
Lloydminster	Bauer	918S	138	1.055	3.373	0.0619484+j0.1163904	3.517	0.016335+j0.1196738
Lloydminster	Briker	880S	138	1.054	2.134	0.0975392+j0.1843031	1.532	0.1154865+j0.447378
Lloydminster	Drury	2007S	138	1.069	4.113	0.0450073+j0.099798	4.035	0.0225275+j0.1157581
Lloydminster	Drury	2007S	240	1.063	2.569	0.0354938+j0.0938362	2.333	0.0239071+j0.1299547
Lloydminster	Hill	751S	138	1.062	2.287	0.1056633+j0.1650047	2.076	0.0533801+j0.2610804
Lloydminster	Hill	751S	69	1.101	2.304	0.1237733+j0.3839511	2.156	0.0674867+j0.486862

Area	Substation Name	Substation Number	Base Voltage (kV)	Pre-Fault Voltage (p.u.)	3-Φ Fault (kA)	Positive Sequence Impedance (R1 +jX1) (p.u.)	1-Φ Fault (kA)	Zero Sequence Impedance (R0 +jX0) (p.u.)
Lloydminster	Irish Creek	706S	138	1.056	1.629	0.1417895+j0.2341375	1.727	0.0251188+j0.2420954
Lloydminster	Kitscoty	705S	138	1.061	2.418	0.094667+j0.1589868	1.929	0.0795236+j0.3246083
Lloydminster	Kitscoty	705S	69	1.102	1.187	0.3753293+j0.6904318	0.88	0.421426+j1.5934736
Lloydminster	Lloydminster	716S	138	1.062	2.288	0.1046766+j0.1653722	1.98	0.0647978+j0.2904939
Lloydminster	Vermilion	710S	138	1.064	3.872	0.0541227+j0.1023217	4.313	0.0105544+j0.0835783
Provost	Edgerton	899S	138	1.058	4.918	0.0306661+j0.085345	4.24	0.0266477+j0.1323613
Provost	Edgerton	899S	240	1.053	3.337	0.0241663+j0.072633	2.808	0.0253707+j0.1175254
Provost	Hansman Lake	650S	138	1.061	6.959	0.0226718+j0.0601539	7.369	0.0061397+j0.0543875
Provost	Hansman Lake	650S	240	1.05	5.374	0.0171905+j0.0441452	6.05	0.0040118+j0.0319744
Provost	Hayter	277S	138	1.011	1.988	0.0822674+j0.1983836	1.544	0.1053422+j0.3888598
Provost	Hughenden	213S	138	1.051	4.776	0.0376748+j0.084732	3.639	0.0458527+j0.1750458
Provost	Killarney Lake	267S	138	1.029	2.655	0.0554637+j0.1539327	2.187	0.0644281+j0.2618817
Provost	Metiskow	648S	138	1.061	6.969	0.0227152+j0.0600386	7.366	0.0062408+j0.054662
Provost	Metiskow	648S	240	1.05	5.345	0.0172453+j0.0443977	5.974	0.0041941+j0.0330366
Provost	Provost	545S	138	1.046	3.673	0.0483335+j0.1099592	2.727	0.0583507+j0.2403361
Provost	Sunken Lake	221S	138	1.061	6.871	0.023064+j0.0608813	7.148	0.0073838+j0.0581914
Vegreville	North Holden	395S	138	1.062	2.159	0.0926247+j0.1856611	1.688	0.0902981+j0.3765115
Vegreville	St. Paul	707S	138	1.034	2.503	0.0722329+j0.1576538	2.607	0.0121709+j0.1594204
Vegreville	Strome	223S	138	1.074	2.715	0.0643697+j0.1538016	1.892	0.0976773+j0.3743056
Vegreville	Vegreville	709S	138	1.06	2.139	0.098798+j0.1841414	2.035	0.043398+j0.2451634
Vegreville	Vegreville	709S	69	1.06	2.999	0.102943+j0.2795164	3.022	0.0417396+j0.2925576
Vegreville	Vilna	777S	138	1.02	2.019	0.0920334+j0.191061	1.392	0.139361+j0.4840105
Vegreville	Vincent	2019S	138	1.058	2.267	0.0909865+j0.1744458	1.934	0.0663982+j0.297099
Vegreville	Watt Lake	956S	138	1.061	1.383	0.147179+j0.2888571	1.431	0.0311032+j0.3045733
Vegreville	Whitby Lake	819S	138	1.021	2.204	0.0833437+j0.1757715	1.559	0.1216374+j0.4228312
Wainwright	Battle Sands	594S	138	1.052	6.177	0.0273947+j0.0663581	5.152	0.0279189+j0.1119165
Wainwright	Buffalo Creek	526S	138	1.05	3.281	0.0635714+j0.1189509	2.884	0.0439465+j0.18964
Wainwright	Clipper	656S	138	1.052	6.35	0.026586+j0.0645656	5.361	0.026119+j0.1060112
Wainwright	Cochin Pipeline Fabian	968S	69	1.06	0.848	0.5579129+j0.9017463	0.608	0.7147893+j2.2808437
Wainwright	Hardisty	377S	138	1.053	6.611	0.025409+j0.0621073	5.692	0.0235986+j0.0974604
Wainwright	HRTExpress	329S	138	1.053	6.347	0.0266901+j0.064583	5.346	0.026193+j0.1066968
Wainwright	Jarrow	252S	69	1.062	1.827	0.0759649+j0.4849554	1.704	0.0748527+j0.5931537
Wainwright	Jarrow	252S	138	1.045	3.596	0.0555763+j0.1091517	2.853	0.0557939+j0.2138166
Wainwright	Nilrem	574S	240	1.051	5.067	0.018877+j0.046573	4.491	0.0157022+j0.0683426
Wainwright	Nilrem	574S	138	1.054	7.269	0.0218489+j0.0570136	6.594	0.0165018+j0.0787257
Wainwright	Rosyth	296S	138	1.052	6.363	0.0265256+j0.0644363	5.379	0.025979+j0.1054712
Wainwright	Sedgewick	137S	138	1.05	2.9	0.0609959+j0.1398399	1.863	0.1061026+j0.3961894
Wainwright	Tucuman	478S	138	1.053	6.857	0.0243154+j0.0599732	6.024	0.0212732+j0.0896929
Wainwright	Wainwright	51S	138	1.031	3.209	0.0626695+j0.1200382	2.412	0.0730928+j0.2629851

PENV – APPENDIX E

Transient Stability Analysis

I. Contingency Lists and Fault Clearing Time

Table I-1: Category B (Three-phase-to-ground Fault / Single-line-to-ground Fault) Contingency List and Fault Clearing Time

Contingency	Fault Location	Fault Clearing Time (Cycles)	
		Far End	Near End
174L (Bardo 197S to North Holden 395S)	Bardo 197S	9	30
	North Holden 395S	9	30
701L (North Holden 395S to Strome 223S)	North Holden 395S	9	30
	Strome 223S	9	30
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	9	30
	Hardisty 377S	9	30
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	9	30
	Hughenden 213S	9	30
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	9	30
	Metiskow 648S	9	30
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	9	30
	Wainwright 51S	9	30
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	9	30
	Edgerton 899S	9	30
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	6	24
	Vermillion 710S	6	24
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	6	24
	Buffalo Creek 526S	6	24
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	6	42
	Kitscoty 705S	6	42
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	6	42
	Hill 751S	6	42
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	6	24
	Lloydminster 716S	6	24
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	6	42
	Battle River 757S	6	42
7L65 (Vegreville 709S to Drury 2007S)	Vegreville 709S	6	24
	Drury 2007S	6	24
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	6	24
	Vermillion 710S	6	24
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	6	24
	Strome 223S	6	24
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	6	24
	Edgerton 899S	6	24
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	6	24
	Vegreville 709S	6	24
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	6	42
	Vegreville 709S	6	42
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	9	30
	Hansman Lake 650S	9	30
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	5.5	6.5
	Red Deer 63S	5.5	6.5
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	5	6
	Paintearth 863S	5	6
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	5	6
	Cordel 755S	5	6
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	6	6
	Hansman Lake 650S	6	6

Contingency	Fault Location	Fault Clearing Time (Cycles)	
		Far End	Near End
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	5	6
	Hansman Lake 650S	5	6
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	5	6
	Cordel 755S	5	6
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	5	6
	Cordel 755S	5	6
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	5	6
	Oakland 946S	5	6
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	5	6
	Cordel 755S	5	6
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	5	6
	Coyote Lake 963S	5	6
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	5	6
	Lanfine 959S	5	6
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	5	6
	Anderson 801S	5	6
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	5	6
	Anderson 801S	5	6
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	5	6
	Cordel 755S	5	6
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	5	6
	Cordel 755S	5	6
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	5	6
	Anderson 801S	5	6
New 240 kV Line Nilrem 574S to Drury 2007S	Nilrem 574S	5	6
	Drury 2007S	5	6
New 240 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	5	6
	Edgerton 899S	5	6
New 138 kV Line Nilrem 574S to Drury 2007S	Nilrem 574S	6	8
	Drury 2007S	6	8
New 138 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	6	8
	Edgerton 899S	6	8
EATL	Newell 2075S	5	6

Table I-2: Category C5 (Line-to-line-to-ground Fault) Contingency List and Fault Clearing Time

Contingency	Fault Location	Fault Clearing Time (Cycles)	
		Near End	Far End
7L14+7L130 (Kitscoty 705S to Vermillion 710S / Hill 751S)	Kitscoty 705S	6	42
7L117+7L53 (Irish Creek 706S to Vermillion 710S / Bonnyville 700S)	Irish Creek 706S	6	24
7L53+7L70 (Bonnyville 700S to Irish Creek 706S / St. Paul 707S)	Bonnyville 700S	6	24
7L91+7L66 (Leming Lake 715S to Marguerite Lake 826S / Ethel Lake 717S)	Leming Lake 715S	6	24
7L91+7L89 (Marguerite Lake 826S to Leming Lake 715S / Lacorey 721S)	Marguerite Lake 826S	6	24
9L36+9L37 (Marguerite Lake 826S to Whitefish Lake 825S)	Marguerite Lake 826S	5	6
7L139+7L70 (St. Paul 707S to Whitby Lake 819S / Bonnyville 700S)	St. Paul 707S	6	42
679L+680L (Tucuman 478S to Nilrem 574S)	Tucuman 478S	9	30
9L16+9L953 (Cordel 755S to Nilrem 574S / Tinchebray 972S)	Cordel 755S	5	6
1082L+925L (Red Deer 63S to Hazelwood 287S / Janet 74S)	Red Deer 63S	5.5	6.5
1083L+914L (Red Deer 63S to Wolf Creek 288S / Gaetz 87S)	Red Deer 63S	5.5	6.5
901L+912L (Red Deer 63S to Janet 74S / Nevis 766S)	Red Deer 63S	5.5	6.5
912L+914L (Red Deer 63S to Nevis 766S / Gaetz 87S)	Red Deer 63S	5.5	6.5
929L+925L (Janet 74S to Red Deer 63S / Hazelwood 287S)	Janet 74S	5.5	6.5
9L80+9L79 (Cordel 755S to Battle River 757S)	Cordel 755S	5	6
953L+1047L (Nilrem 574S to Cordel 755S / Hansman Lake 650S)	Nilrem 574S	5	6
948L+1047L (Hansman Lake 650S to Paintearth 863S / Nilrem 574S)	Hansman Lake 650S	5	6
7L128+7L171 (Michichi Creek 802S to Coyote Lake 963S / Wintering Hills 804S)	Michichi Creek 802S	6	8
7L16+7L159 (Heatburg 948S to Nevis 766S / Ghost Pine 114S)	Heatburg 948S	6	24
7L25+7L137 (Rowley 768S to Michichi Creek 802S / Three Hills 770S)	Rowley 768S	6	24
9L70+9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	5	6
933L+934L (Ware Junction 132S to Anderson 801S)	Ware Junction 132S	5	6

Table I-3: Category C7 (Single-line-to-ground Fault) Contingency List and Fault Clearing Time

Faulted Line	Fault Location	Failed Breaker	Fault Clearing Time (Cycles)		
			Near End	Far End	2nd and the other lines tripped
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	S904@755S Cordel	12	6	14
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	S905@755S Cordel	12	6	14
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	S901@755S Cordel	12	6	14
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	S906@755S Cordel	12	6	14
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	S902@755S Cordel	12	6	14
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	S903@755S Cordel	12	6	14
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	S901@755S Cordel	12	6	14
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	S902@755S Cordel	12	6	14
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	S903@755S Cordel	12	6	14
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	S904@755S Cordel	12	6	14
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	S905@755S Cordel	12	6	14
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	S906@755S Cordel	12	6	14
9L80 (Battle River 757S to Cordel 755S)	757S Battle River	S912@757S Battle River	12	6	14
701L (North Holden 395S to Strome 223S)	757S Battle River	S707@757S Battle River	15	24	24
702L (Battle River 757S to Hardisty 377S)	757S Battle River	S708@757S Battle River	15	24	24
7L50 (Buffalo Creek 526S to Battle River 757S)	757S Battle River	S709@757S Battle River	15	24	24
9L20 (Nevis 766S to Cordel 755S)	766S Nevis	S901@766S Nevis	12	6	14
9L912 ((Nevis 766S to Red Deer 63S))	766S Nevis	S902@766S Nevis	12	6	14
7L129 (Vermillion 710S to Buffalo Creek 526S)	710S Vermillion	S704@710S Vermillion	15	24	24
7L205 (Drury 2007S to Vermillion 710S)	710S Vermillion	S703@710S Vermillion	15	24	24
7L117 (Irish Creek 706S to Vermillion 710S)	710S Vermillion	S701@710S Vermillion	15	24	24
7L130 (Vermillion 710S to Kitscoty 705S)	710S Vermillion	S702@710S Vermillion	15	24	24
472L (Hughenden 213S to Metiskow 648S)	648S Metiskow	S472@648S Metiskow	15	24	24
749L (Metiskow 648S to Edgerton 899S)	648S Metiskow	S749E@648S Metiskow	15	24	24
885L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	S885@648S Metiskow	15	24	24
954L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	S29@648S Metiskow	12	6	14
715L (Hansman Lake 650S to Provost 545S)	650S Hansman Lake	S1352@650S Hansman Lake	15	24	24
7L224 (Hansman Lake 650S to Monitor 774S)	650S Hansman Lake	S1752@650S Hansman Lake	15	24	24
885L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	S1752@650S Hansman Lake	15	24	24
948L (Hansman Lake 650S to Paintearth 863S)	650S Hansman Lake	S852@650S Hansman Lake	12	6	14
1047L (Nilrem 574S to Hansman Lake 650S)	650S Hansman Lake	S552@650S Hansman Lake	12	6	14
954L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	S752@650S Hansman Lake	12	6	14
966L (Hansman Lake 650S to Pemukan 932S)	650S Hansman Lake	S452@650S Hansman Lake	12	6	14
New 240 kV Line Hansman Lake 650S to Edgerton 899S	650S Hansman Lake	New 240 kV Breaker@650S Hansman Lake	12	6	14
New 138 kV Line Hansman Lake 650S to Edgerton 899S	650S Hansman Lake	New 138 kV Breaker@650S Hansman Lake	15	24	24
174L (Bardo 197S to North Holden 395S)	395S North Holden	S175@395S North Holden	15	24	24
701L (North Holden 395S to Strome 223S)	395S North Holden	S701X@395S North Holden	15	24	24

Faulted Line	Fault Location	Failed Breaker	Fault Clearing Time (Cycles)		
			Near End	Far End	2nd and the other lines tripped
7L77 (North Holden 395S to Vegreville 709S)	395S North Holden	S77E@395S North Holden	15	24	24
7L77 (North Holden 395S to Vegreville 709S)	709S Vegreville	S702@709S Vegreville	15	24	24
7L92 (Whitby Lake 819S to Vegreville 709S)	709S Vegreville	S703@709S Vegreville	15	24	24
7L65 (Vegreville 709S to Drury 2007S)	709S Vegreville	S701@709S Vegreville	15	24	24
953L (Nilrem 574S to Cordel 755S)	574S Nilrem	S552@574S Nilrem	12	6	14
1047L (Nilrem 574S to Hansman Lake 650S)	574S Nilrem	S552@574S Nilrem	12	6	14
New 240 kV Line Nilrem 574S to Drury 2007S	574S Nilrem	New 240 kV Breaker@574S Nilrem	12	6	14
New 138 kV Line Nilrem 574S to Drury 2007S	574S Nilrem	New 138 kV Breaker@574S Nilrem	15	24	24
7L65 (Vegreville 709S to Drury 2007S)	2007S Drury	New 138 kV Breaker@2007S Drury	15	24	24
7L205 (Drury 2007S to Vermillion 710S)	2007S Drury	New 138 kV Breaker@2007S Drury	15	24	24
New 240 kV Line Nilrem 574S to Drury 2007S	2007S Drury	New 240 kV Breaker@2007S Drury	12	6	14
New 138 kV Line Nilrem 574S to Drury 2007S	2007S Drury	New 138 kV Breaker@2007S Drury	15	24	24
7L749 (Lloydminster 716S to Edgerton 899S)	899S Edgerton	S749N@899S Edgerton	15	24	24
749L (Metiskow 648S to Edgerton 899S)	899S Edgerton	S749X@899S Edgerton	15	24	24
New 240 kV Line Hansman Lake 650S to Edgerton 899S	899S Edgerton	New 240 kV Breaker@899S Edgerton	12	6	14
New 138 kV Line Hansman Lake 650S to Edgerton 899S	899S Edgerton	New 138 kV Breaker@899S Edgerton	15	24	24
9L966 (Hansman Lake 650S to Pemukan 932S)	932S Pemukan	S905@932S Pemukan	12	6	14
9L46 (Pemukan 932S to Lanfine 959S)	932S Pemukan	S905@932S Pemukan	12	6	14
9L46 (Pemukan 932S to Lanfine 959S)	959S Lanfine	S905@959S Lanfine	12	6	14
9L24 (Lanfine 959S to Oakland 946S)	959S Lanfine	S905@959S Lanfine	12	6	14
9L24 (Lanfine 959S to Oakland 946S)	946S Oakland	946S@946S Oakland	12	6	14
9L97 (Oakland 946S to Anderson 801S)	946S Oakland	946S@946S Oakland	12	6	14
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	S902@825S Whitefish Lake	12	6	14
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	S906@825S Whitefish Lake	12	6	14
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	S905@825S Whitefish Lake	12	6	14
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	S903@825S Whitefish Lake	12	6	14

II. Transient Stability Analysis Results Summary Table Existing System Prior to PENV Development

Table II-1: Transient Stability Results under Category B Contingencies (Three-phase-to-ground fault) - Existing System Prior to PENV Development in Year 2021 Summer Light Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
701L (North Holden 395S to Strome 223S)	North Holden 395S	Three-Phase-to-ground	Stable
	Strome 223S	Three-Phase-to-ground	Stable
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	Three-Phase-to-ground	Stable
	Hardisty 377S	Three-Phase-to-ground	Stable
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	Three-Phase-to-ground	Stable
	Hughenden 213S	Three-Phase-to-ground	Stable
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	Three-Phase-to-ground	Stable
	Metiskow 648S	Three-Phase-to-ground	Stable
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	Three-Phase-to-ground	Stable
	Wainwright 51S	Three-Phase-to-ground	Stable
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	Three-Phase-to-ground	Stable
	Buffalo Creek 526S	Three-Phase-to-ground	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	Three-Phase-to-ground	Stable
	Kitscoty 705S	Three-Phase-to-ground	Stable
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	Three-Phase-to-ground	Stable
	Hill 751S	Three-Phase-to-ground	Stable
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	Three-Phase-to-ground	Stable
	Lloydminster 716S	Three-Phase-to-ground	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	Three-Phase-to-ground	Stable
	Battle River 757S	Three-Phase-to-ground	Stable
7L65 (Vegreville 709S to Vermillion 710S)	Vegreville 709S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	Three-Phase-to-ground	Stable
	Strome 223S	Three-Phase-to-ground	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	Three-Phase-to-ground	Stable
	Vegreville 709S	Three-Phase-to-ground	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	Three-Phase-to-ground	Stable
	Vegreville 709S	Three-Phase-to-ground	Stable
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Three-Phase-to-ground	Stable
	Red Deer 63S	Three-Phase-to-ground	Stable
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	Three-Phase-to-ground	Stable
	Paintearth 863S	Three-Phase-to-ground	Stable
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	Three-Phase-to-ground	Stable
	Oakland 946S	Three-Phase-to-ground	Stable

Contingency	Fault Location	Fault Type	Transient Stability
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	Three-Phase-to-ground	Stable
	Coyote Lake 963S	Three-Phase-to-ground	Stable
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	Three-Phase-to-ground	Stable
	Lanfine 959S	Three-Phase-to-ground	Stable
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
EATL	Newell 2075S	Three-Phase-to-ground	Stable

Table II-2: Transient Stability Results under Category B Contingencies (Three-phase-to-ground fault) - Existing System Prior to PENV Development in Year 2021 Winter Peak Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
701L (North Holden 395S to Strome 223S)	North Holden 395S	Three-Phase-to-ground	Stable
	Strome 223S	Three-Phase-to-ground	Stable
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	Three-Phase-to-ground	Stable
	Hardisty 377S	Three-Phase-to-ground	Stable
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	Three-Phase-to-ground	Stable
	Hughenden 213S	Three-Phase-to-ground	Stable
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	Three-Phase-to-ground	Stable
	Metiskow 648S	Three-Phase-to-ground	Stable
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	Three-Phase-to-ground	Stable
	Wainwright 51S	Three-Phase-to-ground	Stable
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	Three-Phase-to-ground	Stable
	Buffalo Creek 526S	Three-Phase-to-ground	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	Three-Phase-to-ground	Stable
	Kitscoty 705S	Three-Phase-to-ground	Stable
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	Three-Phase-to-ground	Stable
	Hill 751S	Three-Phase-to-ground	Stable
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	Three-Phase-to-ground	Stable
	Lloydminster 716S	Three-Phase-to-ground	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	Three-Phase-to-ground	Stable
	Battle River 757S	Three-Phase-to-ground	Stable
7L65 (Vegreville 709S to Vermillion 710S)	Vegreville 709S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	Three-Phase-to-ground	Stable
	Strome 223S	Three-Phase-to-ground	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	Three-Phase-to-ground	Stable
	Vegreville 709S	Three-Phase-to-ground	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	Three-Phase-to-ground	Stable
	Vegreville 709S	Three-Phase-to-ground	Stable
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Three-Phase-to-ground	Stable
	Red Deer 63S	Three-Phase-to-ground	Stable
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	Three-Phase-to-ground	Stable
	Paintearth 863S	Three-Phase-to-ground	Stable
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	Three-Phase-to-ground	Stable
	Oakland 946S	Three-Phase-to-ground	Stable

Contingency	Fault Location	Fault Type	Transient Stability
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	Three-Phase-to-ground	Stable
	Coyote Lake 963S	Three-Phase-to-ground	Stable
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	Three-Phase-to-ground	Stable
	Lanfine 959S	Three-Phase-to-ground	Stable
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
EATL	Newell 2075S	Three-Phase-to-ground	Stable

Table II-3: Transient Stability Results under Category B Contingencies (Single-Line-to-ground fault) - Existing System Prior to PENV Development in Year 2021 Summer Light Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
701L (North Holden 395S to Strome 223S)	North Holden 395S	Single-line-to-ground	Stable
	Strome 223S	Single-line-to-ground	Stable
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	Single-line-to-ground	Stable
	Hardisty 377S	Single-line-to-ground	Stable
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	Single-line-to-ground	Stable
	Hughenden 213S	Single-line-to-ground	Stable
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	Single-line-to-ground	Stable
	Metiskow 648S	Single-line-to-ground	Stable
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	Single-line-to-ground	Stable
	Wainwright 51S	Single-line-to-ground	Stable
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	Single-line-to-ground	Stable
	Buffalo Creek 526S	Single-line-to-ground	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	Single-line-to-ground	Stable
	Kitscoty 705S	Single-line-to-ground	Stable
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	Single-line-to-ground	Stable
	Hill 751S	Single-line-to-ground	Stable
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	Single-line-to-ground	Stable
	Lloydminster 716S	Single-line-to-ground	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	Single-line-to-ground	Stable
	Battle River 757S	Single-line-to-ground	Stable
7L65 (Vegreville 709S to Vermillion 710S)	Vegreville 709S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	Single-line-to-ground	Stable
	Strome 223S	Single-line-to-ground	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	Single-line-to-ground	Stable
	Vegreville 709S	Single-line-to-ground	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	Single-line-to-ground	Stable
	Vegreville 709S	Single-line-to-ground	Stable
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Single-line-to-ground	Stable
	Red Deer 63S	Single-line-to-ground	Stable
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	Single-line-to-ground	Stable
	Paintearth 863S	Single-line-to-ground	Stable
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	Single-line-to-ground	Stable
	Oakland 946S	Single-line-to-ground	Stable

Contingency	Fault Location	Fault Type	Transient Stability
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	Single-line-to-ground	Stable
	Coyote Lake 963S	Single-line-to-ground	Stable
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	Single-line-to-ground	Stable
	Lanfine 959S	Single-line-to-ground	Stable
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
EATL	Newell 2075S	Single-line-to-ground	Stable

Table II-4: Transient Stability Results under Category B Contingencies (Single-Line-to-ground fault) - Existing System Prior to PENV Development in Year 2021 Winter Peak Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
701L (North Holden 395S to Strome 223S)	North Holden 395S	Single-line-to-ground	Stable
	Strome 223S	Single-line-to-ground	Stable
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	Single-line-to-ground	Stable
	Hardisty 377S	Single-line-to-ground	Stable
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	Single-line-to-ground	Stable
	Hughenden 213S	Single-line-to-ground	Stable
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	Single-line-to-ground	Stable
	Metiskow 648S	Single-line-to-ground	Stable
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	Single-line-to-ground	Stable
	Wainwright 51S	Single-line-to-ground	Stable
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	Single-line-to-ground	Stable
	Buffalo Creek 526S	Single-line-to-ground	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	Single-line-to-ground	Stable
	Kitscoty 705S	Single-line-to-ground	Stable
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	Single-line-to-ground	Stable
	Hill 751S	Single-line-to-ground	Stable
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	Single-line-to-ground	Stable
	Lloydminster 716S	Single-line-to-ground	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	Single-line-to-ground	Stable
	Battle River 757S	Single-line-to-ground	Stable
7L65 (Vegreville 709S to Vermillion 710S)	Vegreville 709S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	Single-line-to-ground	Stable
	Strome 223S	Single-line-to-ground	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	Single-line-to-ground	Stable
	Vegreville 709S	Single-line-to-ground	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	Single-line-to-ground	Stable
	Vegreville 709S	Single-line-to-ground	Stable
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Single-line-to-ground	Stable
	Red Deer 63S	Single-line-to-ground	Stable
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	Single-line-to-ground	Stable
	Paintearth 863S	Single-line-to-ground	Stable
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	Single-line-to-ground	Stable
	Oakland 946S	Single-line-to-ground	Stable

Contingency	Fault Location	Fault Type	Transient Stability
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	Single-line-to-ground	Stable
	Coyote Lake 963S	Single-line-to-ground	Stable
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	Single-line-to-ground	Stable
	Lanfine 959S	Single-line-to-ground	Stable
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
EATL	Newell 2075S	Single-line-to-ground	Stable

Table II-5: Transient Stability Results under Category C5 Contingencies (Line-to-line-to-ground fault) - Existing System Prior to PENV Development in Year 2021 Summer Light Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
7L14+7L130 (Kitscoty 705S to Vermillion 710S / Hill 751S)	Kitscoty 705S	Line-to-Line-to-ground	Stable
7L117+7L53 (Irish Creek 706S to Vermillion 710S / Bonnyville 700S)	Irish Creek 706S	Line-to-Line-to-ground	Stable
7L53+7L70 (Bonnyville 700S to Irish Creek 706S / St. Paul 707S)	Bonnyville 700S	Line-to-Line-to-ground	Stable
7L91+7L66 (Leming Lake 715S to Marguerite Lake 826S / Ethel Lake 717S)	Leming Lake 715S	Line-to-Line-to-ground	Stable
7L91+7L89 (Marguerite Lake 826S to Leming Lake 715S / Lacorey 721S)	Marguerite Lake 826S	Line-to-Line-to-ground	Stable
9L36+9L37 (Marguerite Lake 826S to Whitefish Lake 825S)	Marguerite Lake 826S	Line-to-Line-to-ground	Stable
7L139+7L70 (St. Paul 707S to Whitby Lake 819S / Bonnyville 700S)	St. Paul 707S	Line-to-Line-to-ground	Stable
679L+680L (Tucuman 478S to Nilrem 574S)	Tucuman 478S	Line-to-Line-to-ground	Stable
9L16+9L953 (Cordel 755S to Nilrem 574S / Tinchebray 972S)	Cordel 755S	Line-to-Line-to-ground	Stable
1082L+925L (Red Deer 63S to Hazelwood 287S / Janet 74S)	Red Deer 63S	Line-to-Line-to-ground	Stable
1083L+914L (Red Deer 63S to Wolf Creek 288S / Gaetz 87S)	Red Deer 63S	Line-to-Line-to-ground	Stable
901L+912L (Red Deer 63S to Janet 74S / Nevis 766S)	Red Deer 63S	Line-to-Line-to-ground	Stable
912L+914L (Red Deer 63S to Nevis 766S / Gaetz 87S)	Red Deer 63S	Line-to-Line-to-ground	Stable
929L+925L (Janet 74S to Red Deer 63S / Hazelwood 287S)	Janet 74S	Line-to-Line-to-ground	Stable
9L80+9L79 (Cordel 755S to Battle River 757S)	Cordel 755S	Line-to-Line-to-ground	Stable
953L+1047L (Nilrem 574S to Cordel 755S / Hansman Lake 650S)	Nilrem 574S	Line-to-Line-to-ground	Stable
948L+1047L (Hansman Lake 650S to Paintearth 863S / Nilrem 574S)	Hansman Lake 650S	Line-to-Line-to-ground	Stable
7L128+7L171 (Michichi Creek 802S to Coyote Lake 963S / Wintering Hills 804S)	Michichi Creek 802S	Line-to-Line-to-ground	Stable
7L16+7L159 (Heatburg 948S to Nevis 766S / Ghost Pine 114S)	Heatburg 948S	Line-to-Line-to-ground	Stable
7L25+7L137 (Rowley 768S to Michichi Creek 802S / Three Hills 770S)	Rowley 768S	Line-to-Line-to-ground	Stable
9L70+9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Line-to-Line-to-ground	Stable
933L+934L (Ware Junction 132S to Anderson 801S)	Ware Junction 132S	Line-to-Line-to-ground	Stable

Table II-6: Transient Stability Results under Category C5 Contingencies (Line-to-line-to-ground fault) - Existing System Prior to PENV Development in Year 2021 Winter Peak Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
7L14+7L130 (Kitscoty 705S to Vermillion 710S / Hill 751S)	Kitscoty 705S	Line-to-Line-to-ground	Stable
7L117+7L53 (Irish Creek 706S to Vermillion 710S / Bonnyville 700S)	Irish Creek 706S	Line-to-Line-to-ground	Stable
7L53+7L70 (Bonnyville 700S to Irish Creek 706S / St. Paul 707S)	Bonnyville 700S	Line-to-Line-to-ground	Stable
7L91+7L66 (Leming Lake 715S to Marguerite Lake 826S / Ethel Lake 717S)	Leming Lake 715S	Line-to-Line-to-ground	Stable
7L91+7L89 (Marguerite Lake 826S to Leming Lake 715S / Lacorey 721S)	Marguerite Lake 826S	Line-to-Line-to-ground	Stable
9L36+9L37 (Marguerite Lake 826S to Whitefish Lake 825S)	Marguerite Lake 826S	Line-to-Line-to-ground	Stable
7L139+7L70 (St. Paul 707S to Whitby Lake 819S / Bonnyville 700S)	St. Paul 707S	Line-to-Line-to-ground	Stable
679L+680L (Tucuman 478S to Nilrem 574S)	Tucuman 478S	Line-to-Line-to-ground	Stable
9L16+9L953 (Cordel 755S to Nilrem 574S / Tinchebray 972S)	Cordel 755S	Line-to-Line-to-ground	Stable
1082L+925L (Red Deer 63S to Hazelwood 287S / Janet 74S)	Red Deer 63S	Line-to-Line-to-ground	Stable
1083L+914L (Red Deer 63S to Wolf Creek 288S / Gaetz 87S)	Red Deer 63S	Line-to-Line-to-ground	Stable
901L+912L (Red Deer 63S to Janet 74S / Nevis 766S)	Red Deer 63S	Line-to-Line-to-ground	Stable
912L+914L (Red Deer 63S to Nevis 766S / Gaetz 87S)	Red Deer 63S	Line-to-Line-to-ground	Stable
929L+925L (Janet 74S to Red Deer 63S / Hazelwood 287S)	Janet 74S	Line-to-Line-to-ground	Stable
9L80+9L79 (Cordel 755S to Battle River 757S)	Cordel 755S	Line-to-Line-to-ground	Stable
953L+1047L (Nilrem 574S to Cordel 755S / Hansman Lake 650S)	Nilrem 574S	Line-to-Line-to-ground	Stable
948L+1047L (Hansman Lake 650S to Paintearth 863S / Nilrem 574S)	Hansman Lake 650S	Line-to-Line-to-ground	Stable
7L128+7L171 (Michichi Creek 802S to Coyote Lake 963S / Wintering Hills 804S)	Michichi Creek 802S	Line-to-Line-to-ground	Stable
7L16+7L159 (Heatburg 948S to Nevis 766S / Ghost Pine 114S)	Heatburg 948S	Line-to-Line-to-ground	Stable
7L25+7L137 (Rowley 768S to Michichi Creek 802S / Three Hills 770S)	Rowley 768S	Line-to-Line-to-ground	Stable
9L70+9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Line-to-Line-to-ground	Stable
933L+934L (Ware Junction 132S to Anderson 801S)	Ware Junction 132S	Line-to-Line-to-ground	Stable

Table II-7: Transient Stability Results under Category C7 Contingencies (Single-line-to-ground fault) - Existing System Prior to PENV Development in Year 2021 Summer Light Load Condition

Faulted Line	Fault Location	Fault Type	Failed Breaker	Transient Stability
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S904@755S Cordel	Stable
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S905@755S Cordel	Stable
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S901@755S Cordel	Stable
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S906@755S Cordel	Stable
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S902@755S Cordel	Stable
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S903@755S Cordel	Stable
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S901@755S Cordel	Stable
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S902@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S903@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S904@755S Cordel	Stable
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S905@755S Cordel	Stable
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S906@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	757S Battle River	Single-Line-to-ground	S912@757S Battle River	Stable
701L (North Holden 395S to Strome 223S)	757S Battle River	Single-Line-to-ground	S707@757S Battle River	Stable
702L (Battle River 757S to Hardisty 377S)	757S Battle River	Single-Line-to-ground	S708@757S Battle River	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	757S Battle River	Single-Line-to-ground	S709@757S Battle River	Stable
9L20 (Nevis 766S to Cordel 755S)	766S Nevis	Single-Line-to-ground	S901@766S Nevis	Stable
9L912 ((Nevis 766S to Red Deer 63S))	766S Nevis	Single-Line-to-ground	S902@766S Nevis	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	710S Vermillion	Single-Line-to-ground	S704@710S Vermillion	Stable
7L65 (Vegreville 709S to Vermillion 710S)	710S Vermillion	Single-Line-to-ground	S703@710S Vermillion	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	710S Vermillion	Single-Line-to-ground	S701@710S Vermillion	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	710S Vermillion	Single-Line-to-ground	S702@710S Vermillion	Stable
472L (Hughenden 213S to Metiskow 648S)	648S Metiskow	Single-Line-to-ground	S472@648S Metiskow	Stable
749L (Metiskow 648S to Edgerton 899S)	648S Metiskow	Single-Line-to-ground	S749E@648S Metiskow	Stable
885L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	Single-Line-to-ground	S885@648S Metiskow	Stable
954L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	Single-Line-to-ground	S29@648S Metiskow	Stable
715L (Hansman Lake 650S to Provost 545S)	650S Hansman Lake	Single-Line-to-ground	S1352@650S Hansman Lake	Stable
7L224 (Hansman Lake 650S to Monitor 774S)	650S Hansman Lake	Single-Line-to-ground	S1752@650S Hansman Lake	Stable

Faulted Line	Fault Location	Fault Type	Failed Breaker	Transient Stability
885L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S1752@650S Hansman Lake	Stable
948L (Hansman Lake 650S to Paintearth 863S)	650S Hansman Lake	Single-Line-to-ground	S852@650S Hansman Lake	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S552@650S Hansman Lake	Stable
954L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S752@650S Hansman Lake	Stable
966L (Hansman Lake 650S to Pemukan 932S)	650S Hansman Lake	Single-Line-to-ground	S452@650S Hansman Lake	Stable
174L (North Holden 395S to Bardo 197S)	395S North Holden	Single-Line-to-ground	S175@395S North Holden	Stable
701L (North Holden 395S to Strome 223S)	395S North Holden	Single-Line-to-ground	S701X@395S North Holden	Stable
7L77 (North Holden 395S to Vegreville 709S)	395S North Holden	Single-Line-to-ground	S77E@395S North Holden	Stable
7L77 (North Holden 395S to Vegreville 709S)	709S Vegreville	Single-Line-to-ground	S702@709S Vegreville	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	709S Vegreville	Single-Line-to-ground	S703@709S Vegreville	Stable
7L65 (Vegreville 709S to Drury 2007S)	709S Vegreville	Single-Line-to-ground	S701@709S Vegreville	Stable
953L (Nilrem 574S to Cordel 755S)	574S Nilrem	Single-Line-to-ground	S552@574S Nilrem	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	574S Nilrem	Single-Line-to-ground	S552@574S Nilrem	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	899S Edgerton	Single-Line-to-ground	S749N@899S Edgerton	Stable
749L (Metiskow 648S to Edgerton 899S)	899S Edgerton	Single-Line-to-ground	S749X@899S Edgerton	Stable
9L966 (Hansman Lake 650S to Pemukan 932S)	932S Pemukan	Single-Line-to-ground	S905@932S Pemukan	Stable
9L46 (Pemukan 932S to Lanfine 959S)	932S Pemukan	Single-Line-to-ground	S905@932S Pemukan	Stable
9L46 (Pemukan 932S to Lanfine 959S)	959S Lanfine	Single-Line-to-ground	S905@959S Lanfine	Stable
9L24 (Lanfine 959S to Oakland 946S)	959S Lanfine	Single-Line-to-ground	S905@959S Lanfine	Stable
9L24 (Lanfine 959S to Oakland 946S)	946S Oakland	Single-Line-to-ground	946S@946S Oakland	Stable
9L97 (Oakland 946S to Anderson 801S)	946S Oakland	Single-Line-to-ground	946S@946S Oakland	Stable
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S902@825S Whitefish Lake	Stable
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S906@825S Whitefish Lake	Stable
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S905@825S Whitefish Lake	Stable
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S903@825S Whitefish Lake	Stable

Table II-8: Transient Stability Results under Category C7 Contingencies (Single-line-to-ground fault) - Existing System Prior to PENV Development in Year 2021 Winter Peak Load Condition

Faulted Line	Fault Location	Fault Type	Failed Breaker	Transient Stability
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S904@755S Cordel	Stable
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S905@755S Cordel	Stable
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S901@755S Cordel	Stable
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S906@755S Cordel	Stable
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S902@755S Cordel	Stable
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S903@755S Cordel	Stable
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S901@755S Cordel	Stable
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S902@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S903@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S904@755S Cordel	Stable
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S905@755S Cordel	Stable
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S906@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	757S Battle River	Single-Line-to-ground	S912@757S Battle River	Stable
701L (North Holden 395S to Strome 223S)	757S Battle River	Single-Line-to-ground	S707@757S Battle River	Stable
702L (Battle River 757S to Hardisty 377S)	757S Battle River	Single-Line-to-ground	S708@757S Battle River	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	757S Battle River	Single-Line-to-ground	S709@757S Battle River	Stable
9L20 (Nevis 766S to Cordel 755S)	766S Nevis	Single-Line-to-ground	S901@766S Nevis	Stable
9L912 ((Nevis 766S to Red Deer 63S))	766S Nevis	Single-Line-to-ground	S902@766S Nevis	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	710S Vermillion	Single-Line-to-ground	S704@710S Vermillion	Stable
7L65 (Vegreville 709S to Vermillion 710S)	710S Vermillion	Single-Line-to-ground	S703@710S Vermillion	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	710S Vermillion	Single-Line-to-ground	S701@710S Vermillion	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	710S Vermillion	Single-Line-to-ground	S702@710S Vermillion	Stable
472L (Hughenden 213S to Metiskow 648S)	648S Metiskow	Single-Line-to-ground	S472@648S Metiskow	Stable
749L (Metiskow 648S to Edgerton 899S)	648S Metiskow	Single-Line-to-ground	S749E@648S Metiskow	Stable
885L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	Single-Line-to-ground	S885@648S Metiskow	Stable
954L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	Single-Line-to-ground	S29@648S Metiskow	Stable
715L (Hansman Lake 650S to Provost 545S)	650S Hansman Lake	Single-Line-to-ground	S1352@650S Hansman Lake	Stable
7L224 (Hansman Lake 650S to Monitor 774S)	650S Hansman Lake	Single-Line-to-ground	S1752@650S Hansman Lake	Stable
885L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S1752@650S Hansman Lake	Stable
948L (Hansman Lake 650S to Paintearth 863S)	650S Hansman Lake	Single-Line-to-ground	S852@650S Hansman Lake	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S552@650S Hansman Lake	Stable
954L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S752@650S Hansman Lake	Stable
966L (Hansman Lake 650S to Pemukan 932S)	650S Hansman Lake	Single-Line-to-ground	S452@650S Hansman Lake	Stable
174L (North Holden 395S to Bardo 197S)	395S North Holden	Single-Line-to-ground	S175@395S North Holden	Stable
701L (North Holden 395S to Strome 223S)	395S North Holden	Single-Line-to-ground	S701X@395S North Holden	Stable

Faulted Line	Fault Location	Fault Type	Failed Breaker	Transient Stability
7L77 (North Holden 395S to Vegreville 709S)	395S North Holden	Single-Line-to-ground	S77E@395S North Holden	Stable
7L77 (North Holden 395S to Vegreville 709S)	709S Vegreville	Single-Line-to-ground	S702@709S Vegreville	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	709S Vegreville	Single-Line-to-ground	S703@709S Vegreville	Stable
7L65 (Vegreville 709S to Drury 2007S)	709S Vegreville	Single-Line-to-ground	S701@709S Vegreville	Stable
953L (Nilrem 574S to Cordel 755S)	574S Nilrem	Single-Line-to-ground	S552@574S Nilrem	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	574S Nilrem	Single-Line-to-ground	S552@574S Nilrem	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	899S Edgerton	Single-Line-to-ground	S749N@899S Edgerton	Stable
749L (Metiskow 648S to Edgerton 899S)	899S Edgerton	Single-Line-to-ground	S749X@899S Edgerton	Stable
9L966 (Hansman Lake 650S to Pemukan 932S)	932S Pemukan	Single-Line-to-ground	S905@932S Pemukan	Stable
9L46 (Pemukan 932S to Lanfine 959S)	932S Pemukan	Single-Line-to-ground	S905@932S Pemukan	Stable
9L46 (Pemukan 932S to Lanfine 959S)	959S Lanfine	Single-Line-to-ground	S905@959S Lanfine	Stable
9L24 (Lanfine 959S to Oakland 946S)	959S Lanfine	Single-Line-to-ground	S905@959S Lanfine	Stable
9L24 (Lanfine 959S to Oakland 946S)	946S Oakland	Single-Line-to-ground	946S@946S Oakland	Stable
9L97 (Oakland 946S to Anderson 801S)	946S Oakland	Single-Line-to-ground	946S@946S Oakland	Stable
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S902@825S Whitefish Lake	Stable
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S906@825S Whitefish Lake	Stable
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S905@825S Whitefish Lake	Stable
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S903@825S Whitefish Lake	Stable

III. Transient Stability Analysis Results Summary Table Alternative 1-138 kV Plan

Table III-1: Transient Stability Results under Category B Contingencies (Three-phase-to-ground fault) – Alternative 1 (138 kV Plan) in Year 2021 Summer Light Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
701L (North Holden 395S to Strome 223S)	North Holden 395S	Three-Phase-to-ground	Stable
	Strome 223S	Three-Phase-to-ground	Stable
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	Three-Phase-to-ground	Stable
	Hardisty 377S	Three-Phase-to-ground	Stable
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	Three-Phase-to-ground	Stable
	Hughenden 213S	Three-Phase-to-ground	Stable
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	Three-Phase-to-ground	Stable
	Metiskow 648S	Three-Phase-to-ground	Stable
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	Three-Phase-to-ground	Stable
	Wainwright 51S	Three-Phase-to-ground	Stable
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	Three-Phase-to-ground	Stable
	Buffalo Creek 526S	Three-Phase-to-ground	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	Three-Phase-to-ground	Stable
	Kitscoty 705S	Three-Phase-to-ground	Stable
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	Three-Phase-to-ground	Stable
	Hill 751S	Three-Phase-to-ground	Stable
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	Three-Phase-to-ground	Stable
	Lloydminster 716S	Three-Phase-to-ground	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	Three-Phase-to-ground	Stable
	Battle River 757S	Three-Phase-to-ground	Stable
7L65 (Vegreville 709S to Drury 2007S)	Vegreville 709S	Three-Phase-to-ground	Stable
	Drury 2007S	Three-Phase-to-ground	Stable
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	Three-Phase-to-ground	Stable
	Strome 223S	Three-Phase-to-ground	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	Three-Phase-to-ground	Stable
	Vegreville 709S	Three-Phase-to-ground	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	Three-Phase-to-ground	Stable
	Vegreville 709S	Three-Phase-to-ground	Stable
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Three-Phase-to-ground	Stable
	Red Deer 63S	Three-Phase-to-ground	Stable
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	Three-Phase-to-ground	Stable
	Paintearth 863S	Three-Phase-to-ground	Stable
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	Three-Phase-to-ground	Stable
	Oakland 946S	Three-Phase-to-ground	Stable

Contingency	Fault Location	Fault Type	Transient Stability
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	Three-Phase-to-ground	Stable
	Coyote Lake 963S	Three-Phase-to-ground	Stable
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	Three-Phase-to-ground	Stable
	Lanfine 959S	Three-Phase-to-ground	Stable
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
New 138 kV Line Nilrem 574S to Drury 2007S	Nilrem 574S	Three-Phase-to-ground	Stable
	Drury 2007S	Three-Phase-to-ground	Stable
New138 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
EATL	Newell 2075S	Three-Phase-to-ground	Stable

Table III-2: Transient Stability Results under Category B Contingencies (Three-phase-to-ground fault) – Alternative 1 (138 kV Plan) in Year 2021 Winter Peak Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
701L (North Holden 395S to Strome 223S)	North Holden 395S	Three-Phase-to-ground	Stable
	Strome 223S	Three-Phase-to-ground	Stable
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	Three-Phase-to-ground	Stable
	Hardisty 377S	Three-Phase-to-ground	Stable
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	Three-Phase-to-ground	Stable
	Hughenden 213S	Three-Phase-to-ground	Stable
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	Three-Phase-to-ground	Stable
	Metiskow 648S	Three-Phase-to-ground	Stable
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	Three-Phase-to-ground	Stable
	Wainwright 51S	Three-Phase-to-ground	Stable
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	Three-Phase-to-ground	Stable
	Buffalo Creek 526S	Three-Phase-to-ground	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	Three-Phase-to-ground	Stable
	Kitscoty 705S	Three-Phase-to-ground	Stable
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	Three-Phase-to-ground	Stable
	Hill 751S	Three-Phase-to-ground	Stable
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	Three-Phase-to-ground	Stable
	Lloydminster 716S	Three-Phase-to-ground	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	Three-Phase-to-ground	Stable
	Battle River 757S	Three-Phase-to-ground	Stable
7L65 (Vegreville 709S to Drury 2007S)	Vegreville 709S	Three-Phase-to-ground	Stable
	Drury 2007S	Three-Phase-to-ground	Stable
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	Three-Phase-to-ground	Stable
	Strome 223S	Three-Phase-to-ground	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	Three-Phase-to-ground	Stable
	Vegreville 709S	Three-Phase-to-ground	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	Three-Phase-to-ground	Stable
	Vegreville 709S	Three-Phase-to-ground	Stable
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Three-Phase-to-ground	Stable
	Red Deer 63S	Three-Phase-to-ground	Stable
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	Three-Phase-to-ground	Stable
	Paintearth 863S	Three-Phase-to-ground	Stable
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	Three-Phase-to-ground	Stable
	Oakland 946S	Three-Phase-to-ground	Stable

Contingency	Fault Location	Fault Type	Transient Stability
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	Three-Phase-to-ground	Stable
	Coyote Lake 963S	Three-Phase-to-ground	Stable
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	Three-Phase-to-ground	Stable
	Lanfine 959S	Three-Phase-to-ground	Stable
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
New 138 kV Line Nilrem 574S to Drury 2007S	Nilrem 574S	Three-Phase-to-ground	Stable
	Drury 2007S	Three-Phase-to-ground	Stable
New 138 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
EATL	Newell 2075S	Three-Phase-to-ground	Stable

Table III-3: Transient Stability Results under Category B Contingencies (Single-line-to-ground fault) – Alternative 1 (138 kV Plan) in Year 2021 Summer Light Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
701L (North Holden 395S to Strome 223S)	North Holden 395S	Single-line-to-ground	Stable
	Strome 223S	Single-line-to-ground	Stable
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	Single-line-to-ground	Stable
	Hardisty 377S	Single-line-to-ground	Stable
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	Single-line-to-ground	Stable
	Hughenden 213S	Single-line-to-ground	Stable
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	Single-line-to-ground	Stable
	Metiskow 648S	Single-line-to-ground	Stable
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	Single-line-to-ground	Stable
	Wainwright 51S	Single-line-to-ground	Stable
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	Single-line-to-ground	Stable
	Buffalo Creek 526S	Single-line-to-ground	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	Single-line-to-ground	Stable
	Kitscoty 705S	Single-line-to-ground	Stable
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	Single-line-to-ground	Stable
	Hill 751S	Single-line-to-ground	Stable
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	Single-line-to-ground	Stable
	Lloydminster 716S	Single-line-to-ground	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	Single-line-to-ground	Stable
	Battle River 757S	Single-line-to-ground	Stable
7L65 (Vegreville 709S to Drury 2007S)	Vegreville 709S	Single-line-to-ground	Stable
	Drury 2007S	Single-line-to-ground	Stable
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	Single-line-to-ground	Stable
	Strome 223S	Single-line-to-ground	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	Single-line-to-ground	Stable
	Vegreville 709S	Single-line-to-ground	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	Single-line-to-ground	Stable
	Vegreville 709S	Single-line-to-ground	Stable
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Single-line-to-ground	Stable
	Red Deer 63S	Single-line-to-ground	Stable
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	Single-line-to-ground	Stable
	Paintearth 863S	Single-line-to-ground	Stable
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	Single-line-to-ground	Stable
	Oakland 946S	Single-line-to-ground	Stable

Contingency	Fault Location	Fault Type	Transient Stability
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	Single-line-to-ground	Stable
	Coyote Lake 963S	Single-line-to-ground	Stable
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	Single-line-to-ground	Stable
	Lanfine 959S	Single-line-to-ground	Stable
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
New 138 kV Line Nilrem 574S to Drury 2007S	Nilrem 574S	Single-line-to-ground	Stable
	Drury 2007S	Single-line-to-ground	Stable
New 138 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
EATL	Newell 2075S	Single-line-to-ground	Stable

Table III-4: Transient Stability Results under Category B Contingencies (Single-line-to-ground fault) – Alternative 1 (138 kV Plan) in Year 2021 Winter Peak Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
701L (North Holden 395S to Strome 223S)	North Holden 395S	Single-line-to-ground	Stable
	Strome 223S	Single-line-to-ground	Stable
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	Single-line-to-ground	Stable
	Hardisty 377S	Single-line-to-ground	Stable
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	Single-line-to-ground	Stable
	Hughenden 213S	Single-line-to-ground	Stable
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	Single-line-to-ground	Stable
	Metiskow 648S	Single-line-to-ground	Stable
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	Single-line-to-ground	Stable
	Wainwright 51S	Single-line-to-ground	Stable
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	Single-line-to-ground	Stable
	Buffalo Creek 526S	Single-line-to-ground	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	Single-line-to-ground	Stable
	Kitscoty 705S	Single-line-to-ground	Stable
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	Single-line-to-ground	Stable
	Hill 751S	Single-line-to-ground	Stable
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	Single-line-to-ground	Stable
	Lloydminster 716S	Single-line-to-ground	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	Single-line-to-ground	Stable
	Battle River 757S	Single-line-to-ground	Stable
7L65 (Vegreville 709S to Drury 2007S)	Vegreville 709S	Single-line-to-ground	Stable
	Drury 2007S	Single-line-to-ground	Stable
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	Single-line-to-ground	Stable
	Strome 223S	Single-line-to-ground	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	Single-line-to-ground	Stable
	Vegreville 709S	Single-line-to-ground	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	Single-line-to-ground	Stable
	Vegreville 709S	Single-line-to-ground	Stable
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Single-line-to-ground	Stable
	Red Deer 63S	Single-line-to-ground	Stable
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	Single-line-to-ground	Stable
	Paintearth 863S	Single-line-to-ground	Stable
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	Single-line-to-ground	Stable
	Oakland 946S	Single-line-to-ground	Stable

Contingency	Fault Location	Fault Type	Transient Stability
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	Single-line-to-ground	Stable
	Coyote Lake 963S	Single-line-to-ground	Stable
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	Single-line-to-ground	Stable
	Lanfine 959S	Single-line-to-ground	Stable
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
New 138 kV Line Nilrem 574S to Drury 2007S	Nilrem 574S	Single-line-to-ground	Stable
	Drury 2007S	Single-line-to-ground	Stable
New 138 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
EATL	Newell 2075S	Single-line-to-ground	Stable

Table III-5: Transient Stability Results under Category C5 Contingencies (Line-to-line-to-ground fault) – Alternative 1 (138 kV Plan) in Year 2021 Summer Light Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
7L14+7L130 (Kitscoty 705S to Vermillion 710S / Hill 751S)	Kitscoty 705S	Line-to-Line-to-ground	Stable
7L117+7L53 (Irish Creek 706S to Vermillion 710S / Bonnyville 700S)	Irish Creek 706S	Line-to-Line-to-ground	Stable
7L53+7L70 (Bonnyville 700S to Irish Creek 706S / St. Paul 707S)	Bonnyville 700S	Line-to-Line-to-ground	Stable
7L91+7L66 (Leming Lake 715S to Marguerite Lake 826S / Ethel Lake 717S)	Leming Lake 715S	Line-to-Line-to-ground	Stable
7L91+7L89 (Marguerite Lake 826S to Leming Lake 715S / Lacorey 721S)	Marguerite Lake 826S	Line-to-Line-to-ground	Stable
9L36+9L37 (Marguerite Lake 826S to Whitefish Lake 825S)	Marguerite Lake 826S	Line-to-Line-to-ground	Stable
7L139+7L70 (St. Paul 707S to Whitby Lake 819S / Bonnyville 700S)	St. Paul 707S	Line-to-Line-to-ground	Stable
679L+680L (Tucuman 478S to Nilrem 574S)	Tucuman 478S	Line-to-Line-to-ground	Stable
9L16+9L953 (Cordel 755S to Nilrem 574S / Tinchebray 972S)	Cordel 755S	Line-to-Line-to-ground	Stable
1082L+925L (Red Deer 63S to Hazelwood 287S / Janet 74S)	Red Deer 63S	Line-to-Line-to-ground	Stable
1083L+914L (Red Deer 63S to Wolf Creek 288S / Gaetz 87S)	Red Deer 63S	Line-to-Line-to-ground	Stable
901L+912L (Red Deer 63S to Janet 74S / Nevis 766S)	Red Deer 63S	Line-to-Line-to-ground	Stable
912L+914L (Red Deer 63S to Nevis 766S / Gaetz 87S)	Red Deer 63S	Line-to-Line-to-ground	Stable
929L+925L (Janet 74S to Red Deer 63S / Hazelwood 287S)	Janet 74S	Line-to-Line-to-ground	Stable
9L80+9L79 (Cordel 755S to Battle River 757S)	Cordel 755S	Line-to-Line-to-ground	Stable
953L+1047L (Nilrem 574S to Cordel 755S / Hansman Lake 650S)	Nilrem 574S	Line-to-Line-to-ground	Stable
948L+1047L (Hansman Lake 650S to Paintearth 863S / Nilrem 574S)	Hansman Lake 650S	Line-to-Line-to-ground	Stable
7L128+7L171 (Michichi Creek 802S to Coyote Lake 963S / Wintering Hills 804S)	Michichi Creek 802S	Line-to-Line-to-ground	Stable
7L16+7L159 (Heatburg 948S to Nevis 766S / Ghost Pine 114S)	Heatburg 948S	Line-to-Line-to-ground	Stable
7L25+7L137 (Rowley 768S to Michichi Creek 802S / Three Hills 770S)	Rowley 768S	Line-to-Line-to-ground	Stable
9L70+9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Line-to-Line-to-ground	Stable
933L+934L (Ware Junction 132S to Anderson 801S)	Ware Junction 132S	Line-to-Line-to-ground	Stable

Table III-6: Transient Stability Results under Category C5 Contingencies (Line-to-line-to-ground fault) – Alternative 1 (138 kV Plan) in Year 2021 Winter Peak Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
7L14+7L130 (Kitscoty 705S to Vermillion 710S / Hill 751S)	Kitscoty 705S	Line-to-Line-to-ground	Stable
7L117+7L53 (Irish Creek 706S to Vermillion 710S / Bonnyville 700S)	Irish Creek 706S	Line-to-Line-to-ground	Stable
7L53+7L70 (Bonnyville 700S to Irish Creek 706S / St. Paul 707S)	Bonnyville 700S	Line-to-Line-to-ground	Stable
7L91+7L66 (Leming Lake 715S to Marguerite Lake 826S / Ethel Lake 717S)	Leming Lake 715S	Line-to-Line-to-ground	Stable
7L91+7L89 (Marguerite Lake 826S to Leming Lake 715S / Lacorey 721S)	Marguerite Lake 826S	Line-to-Line-to-ground	Stable
9L36+9L37 (Marguerite Lake 826S to Whitefish Lake 825S)	Marguerite Lake 826S	Line-to-Line-to-ground	Stable
7L139+7L70 (St. Paul 707S to Whitby Lake 819S / Bonnyville 700S)	St. Paul 707S	Line-to-Line-to-ground	Stable
679L+680L (Tucuman 478S to Nilrem 574S)	Tucuman 478S	Line-to-Line-to-ground	Stable
9L16+9L953 (Cordel 755S to Nilrem 574S / Tinchebray 972S)	Cordel 755S	Line-to-Line-to-ground	Stable
1082L+925L (Red Deer 63S to Hazelwood 287S / Janet 74S)	Red Deer 63S	Line-to-Line-to-ground	Stable
1083L+914L (Red Deer 63S to Wolf Creek 288S / Gaetz 87S)	Red Deer 63S	Line-to-Line-to-ground	Stable
901L+912L (Red Deer 63S to Janet 74S / Nevis 766S)	Red Deer 63S	Line-to-Line-to-ground	Stable
912L+914L (Red Deer 63S to Nevis 766S / Gaetz 87S)	Red Deer 63S	Line-to-Line-to-ground	Stable
929L+925L (Janet 74S to Red Deer 63S / Hazelwood 287S)	Janet 74S	Line-to-Line-to-ground	Stable
9L80+9L79 (Cordel 755S to Battle River 757S)	Cordel 755S	Line-to-Line-to-ground	Stable
953L+1047L (Nilrem 574S to Cordel 755S / Hansman Lake 650S)	Nilrem 574S	Line-to-Line-to-ground	Stable
948L+1047L (Hansman Lake 650S to Paintearth 863S / Nilrem 574S)	Hansman Lake 650S	Line-to-Line-to-ground	Stable
7L128+7L171 (Michichi Creek 802S to Coyote Lake 963S / Wintering Hills 804S)	Michichi Creek 802S	Line-to-Line-to-ground	Stable
7L16+7L159 (Heatburg 948S to Nevis 766S / Ghost Pine 114S)	Heatburg 948S	Line-to-Line-to-ground	Stable
7L25+7L137 (Rowley 768S to Michichi Creek 802S / Three Hills 770S)	Rowley 768S	Line-to-Line-to-ground	Stable
9L70+9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Line-to-Line-to-ground	Stable
933L+934L (Ware Junction 132S to Anderson 801S)	Ware Junction 132S	Line-to-Line-to-ground	Stable

Table III-7: Transient Stability Results under Category C7 Contingencies (Single-line-to-ground fault) – Alternative 1 (138 kV Plan) in Year 2021 Summer Light Load Condition

Faulted Line	Fault Location	Fault Type	Failed Breaker	Transient Stability
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S904@755S Cordel	Stable
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S905@755S Cordel	Stable
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S901@755S Cordel	Stable
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S906@755S Cordel	Stable
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S902@755S Cordel	Stable
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S903@755S Cordel	Stable
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S901@755S Cordel	Stable
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S902@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S903@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S904@755S Cordel	Stable
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S905@755S Cordel	Stable
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S906@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	757S Battle River	Single-Line-to-ground	S912@757S Battle River	Stable
701L (North Holden 395S to Strome 223S)	757S Battle River	Single-Line-to-ground	S707@757S Battle River	Stable
702L (Battle River 757S to Hardisty 377S)	757S Battle River	Single-Line-to-ground	S708@757S Battle River	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	757S Battle River	Single-Line-to-ground	S709@757S Battle River	Stable
9L20 (Nevis 766S to Cordel 755S)	766S Nevis	Single-Line-to-ground	S901@766S Nevis	Stable
9L912 ((Nevis 766S to Red Deer 63S))	766S Nevis	Single-Line-to-ground	S902@766S Nevis	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	710S Vermillion	Single-Line-to-ground	S704@710S Vermillion	Stable
7L205 (Drury 2007S to Vermillion 710S)	710S Vermillion	Single-Line-to-ground	S703@710S Vermillion	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	710S Vermillion	Single-Line-to-ground	S701@710S Vermillion	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	710S Vermillion	Single-Line-to-ground	S702@710S Vermillion	Stable
472L (Hughenden 213S to Metiskow 648S)	648S Metiskow	Single-Line-to-ground	S472@648S Metiskow	Stable
749L (Metiskow 648S to Edgerton 899S)	648S Metiskow	Single-Line-to-ground	S749E@648S Metiskow	Stable
885L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	Single-Line-to-ground	S885@648S Metiskow	Stable
954L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	Single-Line-to-ground	S29@648S Metiskow	Stable
715L (Hansman Lake 650S to Provost 545S)	650S Hansman Lake	Single-Line-to-ground	S1352@650S Hansman Lake	Stable
7L224 (Hansman Lake 650S to Monitor 774S)	650S Hansman Lake	Single-Line-to-ground	S1752@650S Hansman Lake	Stable
885L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S1752@650S Hansman Lake	Stable
948L (Hansman Lake 650S to Paintearth 863S)	650S Hansman Lake	Single-Line-to-ground	S852@650S Hansman Lake	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S552@650S Hansman Lake	Stable
954L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S752@650S Hansman Lake	Stable
966L (Hansman Lake 650S to Pemukan 932S)	650S Hansman Lake	Single-Line-to-ground	S452@650S Hansman Lake	Stable
New 138 kV Line Hansman Lake 650S to Edgerton 899S	650S Hansman Lake	Single-Line-to-ground	New 240 kV Breaker@650S Hansman Lake	Stable
701L (North Holden 395S to Strome 223S)	395S North Holden	Single-Line-to-ground	S701X@395S North Holden	Stable
7L77 (North Holden 395S to Vegreville 709S)	395S North Holden	Single-Line-to-ground	S77E@395S North Holden	Stable
7L77 (North Holden 395S to Vegreville 709S)	709S Vegreville	Single-Line-to-ground	S702@709S Vegreville	Stable

Faulted Line	Fault Location	Fault Type	Failed Breaker	Transient Stability
7L92 (Whitby Lake 819S to Vegreville 709S)	709S Vegreville	Single-Line-to-ground	S703@709S Vegreville	Stable
7L65 (Vegreville 709S to Drury 2007S)	709S Vegreville	Single-Line-to-ground	S701@709S Vegreville	Stable
953L (Nilrem 574S to Cordel 755S)	574S Nilrem	Single-Line-to-ground	S552@574S Nilrem	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	574S Nilrem	Single-Line-to-ground	S552@574S Nilrem	Stable
New 138 kV Line Nilrem 574S to Drury 2007S	574S Nilrem	Single-Line-to-ground	New 240 kV Breaker@574S Nilrem	Stable
7L65 (Vegreville 709S to Drury 2007S)	2007S Drury	Single-Line-to-ground	New 138 kV Breaker@2007S Drury	Stable
7L205 (Drury 2007S to Vermillion 710S)	2007S Drury	Single-Line-to-ground	New 138 kV Breaker@2007S Drury	Stable
New 138 kV Line Nilrem 574S to Drury 2007S	2007S Drury	Single-Line-to-ground	New 240 kV Breaker@2007S Drury	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	899S Edgerton	Single-Line-to-ground	S749N@899S Edgerton	Stable
749L (Metiskow 648S to Edgerton 899S)	899S Edgerton	Single-Line-to-ground	S749X@899S Edgerton	Stable
New 138 kV Line Hansman Lake 650S to Edgerton 899S	899S Edgerton	Single-Line-to-ground	New 240 kV Breaker@899S Edgerton	Stable
9L966 (Hansman Lake 650S to Pemukan 932S)	932S Pemukan	Single-Line-to-ground	S905@932S Pemukan	Stable
9L46 (Pemukan 932S to Lanfine 959S)	932S Pemukan	Single-Line-to-ground	S905@932S Pemukan	Stable
9L46 (Pemukan 932S to Lanfine 959S)	959S Lanfine	Single-Line-to-ground	S905@959S Lanfine	Stable
9L24 (Lanfine 959S to Oakland 946S)	959S Lanfine	Single-Line-to-ground	S905@959S Lanfine	Stable
9L24 (Lanfine 959S to Oakland 946S)	946S Oakland	Single-Line-to-ground	946S@946S Oakland	Stable
9L97 (Oakland 946S to Anderson 801S)	946S Oakland	Single-Line-to-ground	946S@946S Oakland	Stable
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S902@825S Whitefish Lake	Stable
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S906@825S Whitefish Lake	Stable
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S905@825S Whitefish Lake	Stable
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S903@825S Whitefish Lake	Stable

Table III-8: Transient Stability Results under Category C7 Contingencies (Single-line-to-ground fault) – Alternative 1 (138 kV Plan) in Year 2021 Winter Peak Load Condition

Faulted Line	Fault Location	Fault Type	Failed Breaker	Transient Stability
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S904@755S Cordel	Stable
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S905@755S Cordel	Stable
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S901@755S Cordel	Stable
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S906@755S Cordel	Stable
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S902@755S Cordel	Stable
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S903@755S Cordel	Stable
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S901@755S Cordel	Stable
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S902@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S903@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S904@755S Cordel	Stable
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S905@755S Cordel	Stable
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S906@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	757S Battle River	Single-Line-to-ground	S912@757S Battle River	Stable
701L (North Holden 395S to Strome 223S)	757S Battle River	Single-Line-to-ground	S707@757S Battle River	Stable
702L (Battle River 757S to Hardisty 377S)	757S Battle River	Single-Line-to-ground	S708@757S Battle River	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	757S Battle River	Single-Line-to-ground	S709@757S Battle River	Stable
9L20 (Nevis 766S to Cordel 755S)	766S Nevis	Single-Line-to-ground	S901@766S Nevis	Stable
9L912 ((Nevis 766S to Red Deer 63S))	766S Nevis	Single-Line-to-ground	S902@766S Nevis	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	710S Vermillion	Single-Line-to-ground	S704@710S Vermillion	Stable
7L205 (Drury 2007S to Vermillion 710S)	710S Vermillion	Single-Line-to-ground	S703@710S Vermillion	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	710S Vermillion	Single-Line-to-ground	S701@710S Vermillion	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	710S Vermillion	Single-Line-to-ground	S702@710S Vermillion	Stable
472L (Hughenden 213S to Metiskow 648S)	648S Metiskow	Single-Line-to-ground	S472@648S Metiskow	Stable
749L (Metiskow 648S to Edgerton 899S)	648S Metiskow	Single-Line-to-ground	S749E@648S Metiskow	Stable
885L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	Single-Line-to-ground	S885@648S Metiskow	Stable
954L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	Single-Line-to-ground	S29@648S Metiskow	Stable
715L (Hansman Lake 650S to Provost 545S)	650S Hansman Lake	Single-Line-to-ground	S1352@650S Hansman Lake	Stable
7L224 (Hansman Lake 650S to Monitor 774S)	650S Hansman Lake	Single-Line-to-ground	S1752@650S Hansman Lake	Stable
885L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S1752@650S Hansman Lake	Stable
948L (Hansman Lake 650S to Paintearth 863S)	650S Hansman Lake	Single-Line-to-ground	S852@650S Hansman Lake	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S552@650S Hansman Lake	Stable
954L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S752@650S Hansman Lake	Stable
966L (Hansman Lake 650S to Pemukan 932S)	650S Hansman Lake	Single-Line-to-ground	S452@650S Hansman Lake	Stable
New 138 kV Line Hansman Lake 650S to Edgerton 899S	650S Hansman Lake	Single-Line-to-ground	New 240 kV Breaker@650S Hansman Lake	Stable
701L (North Holden 395S to Strome 223S)	395S North Holden	Single-Line-to-ground	S701X@395S North Holden	Stable
7L77 (North Holden 395S to Vegreville 709S)	395S North Holden	Single-Line-to-ground	S77E@395S North Holden	Stable
7L77 (North Holden 395S to Vegreville 709S)	709S Vegreville	Single-Line-to-ground	S702@709S Vegreville	Stable

Faulted Line	Fault Location	Fault Type	Failed Breaker	Transient Stability
7L92 (Whitby Lake 819S to Vegreville 709S)	709S Vegreville	Single-Line-to-ground	S703@709S Vegreville	Stable
7L65 (Vegreville 709S to Drury 2007S)	709S Vegreville	Single-Line-to-ground	S701@709S Vegreville	Stable
953L (Nilrem 574S to Cordel 755S)	574S Nilrem	Single-Line-to-ground	S552@574S Nilrem	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	574S Nilrem	Single-Line-to-ground	S552@574S Nilrem	Stable
New 138 kV Line Nilrem 574S to Drury 2007S	574S Nilrem	Single-Line-to-ground	New 240 kV Breaker@574S Nilrem	Stable
7L65 (Vegreville 709S to Drury 2007S)	2007S Drury	Single-Line-to-ground	New 138 kV Breaker@2007S Drury	Stable
7L205 (Drury 2007S to Vermillion 710S)	2007S Drury	Single-Line-to-ground	New 138 kV Breaker@2007S Drury	Stable
New 138 kV Line Nilrem 574S to Drury 2007S	2007S Drury	Single-Line-to-ground	New 240 kV Breaker@2007S Drury	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	899S Edgerton	Single-Line-to-ground	S749N@899S Edgerton	Stable
749L (Metiskow 648S to Edgerton 899S)	899S Edgerton	Single-Line-to-ground	S749X@899S Edgerton	Stable
New 138 kV Line Hansman Lake 650S to Edgerton 899S	899S Edgerton	Single-Line-to-ground	New 240 kV Breaker@899S Edgerton	Stable
9L966 (Hansman Lake 650S to Pemukan 932S)	932S Pemukan	Single-Line-to-ground	S905@932S Pemukan	Stable
9L46 (Pemukan 932S to Lanfine 959S)	932S Pemukan	Single-Line-to-ground	S905@932S Pemukan	Stable
9L46 (Pemukan 932S to Lanfine 959S)	959S Lanfine	Single-Line-to-ground	S905@959S Lanfine	Stable
9L24 (Lanfine 959S to Oakland 946S)	959S Lanfine	Single-Line-to-ground	S905@959S Lanfine	Stable
9L24 (Lanfine 959S to Oakland 946S)	946S Oakland	Single-Line-to-ground	946S@946S Oakland	Stable
9L97 (Oakland 946S to Anderson 801S)	946S Oakland	Single-Line-to-ground	946S@946S Oakland	Stable
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S902@825S Whitefish Lake	Stable
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S906@825S Whitefish Lake	Stable
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S905@825S Whitefish Lake	Stable
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S903@825S Whitefish Lake	Stable

Table III-9: Transient Stability Results under Category B Contingencies (Three-phase-to-ground fault) – Alternative 1 (138 kV Plan) in Year 2021 Summer Light Load Condition (Sensitivity Scenario: 520 MW Drury & Edgerton Wind Generation)

Contingency	Fault Location	Fault Type	Transient Stability
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Three-phase-to-ground	Stable
	Red Deer 63S	Three-phase-to-ground	Stable
New 138 kV Line Nilrem 574S to Drury 2007S	Nilrem 574S	Three-phase-to-ground	Stable
	Drury 2007S	Three-phase-to-ground	Stable
New 138 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Three-phase-to-ground	Stable
	Edgerton 899S	Three-phase-to-ground	Stable

Table III-10: Transient Stability Results under Category B Contingencies (Three-phase-to-ground fault) – Alternative 1 (138 kV Plan) in Year 2021 Winter Peak Load Condition (Sensitivity Scenario: 520 MW Drury & Edgerton Wind Generation)

Contingency	Fault Location	Fault Type	Transient Stability
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Three-phase-to-ground	Stable
	Red Deer 63S	Three-phase-to-ground	Stable
New 138 kV Line Nilrem 574S to Drury 2007S	Nilrem 574S	Three-phase-to-ground	Stable
	Drury 2007S	Three-phase-to-ground	Stable
New 138 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Three-phase-to-ground	Stable
	Edgerton 899S	Three-phase-to-ground	Stable

IV. Transient Stability Analysis Results Summary Table Alternative 2-240 kV Plan

Table IV-1: Transient Stability Results under Category B Contingencies (Three-phase-to-ground fault) – Alternative 2 (240 kV Plan) in Year 2021 Summer Light Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
701L (North Holden 395S to Strome 223S)	North Holden 395S	Three-Phase-to-ground	Stable
	Strome 223S	Three-Phase-to-ground	Stable
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	Three-Phase-to-ground	Stable
	Hardisty 377S	Three-Phase-to-ground	Stable
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	Three-Phase-to-ground	Stable
	Hughenden 213S	Three-Phase-to-ground	Stable
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	Three-Phase-to-ground	Stable
	Metiskow 648S	Three-Phase-to-ground	Stable
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	Three-Phase-to-ground	Stable
	Wainwright 51S	Three-Phase-to-ground	Stable
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	Three-Phase-to-ground	Stable
	Buffalo Creek 526S	Three-Phase-to-ground	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	Three-Phase-to-ground	Stable
	Kitscoty 705S	Three-Phase-to-ground	Stable
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	Three-Phase-to-ground	Stable
	Hill 751S	Three-Phase-to-ground	Stable
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	Three-Phase-to-ground	Stable
	Lloydminster 716S	Three-Phase-to-ground	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	Three-Phase-to-ground	Stable
	Battle River 757S	Three-Phase-to-ground	Stable
7L65 (Vegreville 709S to Drury 2007S)	Vegreville 709S	Three-Phase-to-ground	Stable
	Drury 2007S	Three-Phase-to-ground	Stable
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	Three-Phase-to-ground	Stable
	Strome 223S	Three-Phase-to-ground	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	Three-Phase-to-ground	Stable
	Vegreville 709S	Three-Phase-to-ground	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	Three-Phase-to-ground	Stable
	Vegreville 709S	Three-Phase-to-ground	Stable
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Three-Phase-to-ground	Unstable
	Red Deer 63S	Three-Phase-to-ground	Stable
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	Three-Phase-to-ground	Stable
	Paintearth 863S	Three-Phase-to-ground	Stable
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	Three-Phase-to-ground	Stable
	Oakland 946S	Three-Phase-to-ground	Stable

Contingency	Fault Location	Fault Type	Transient Stability
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	Three-Phase-to-ground	Stable
	Coyote Lake 963S	Three-Phase-to-ground	Stable
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	Three-Phase-to-ground	Stable
	Lanfine 959S	Three-Phase-to-ground	Stable
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
New 240 kV Line Nilrem 574S to Drury 2007S	Nilrem 574S	Three-Phase-to-ground	Stable
	Drury 2007S	Three-Phase-to-ground	Stable
New 240 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Three-Phase-to-ground	Unstable
	Edgerton 899S	Three-Phase-to-ground	Unstable
EATL	Newell 2075S	Three-Phase-to-ground	Stable

Table IV-2: Transient Stability Results under Category B Contingencies (Three-phase-to-ground fault) – Alternative 2 (240 kV Plan) in Year 2021 Winter Peak Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
701L (North Holden 395S to Strome 223S)	North Holden 395S	Three-Phase-to-ground	Stable
	Strome 223S	Three-Phase-to-ground	Stable
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	Three-Phase-to-ground	Stable
	Hardisty 377S	Three-Phase-to-ground	Stable
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	Three-Phase-to-ground	Stable
	Hughenden 213S	Three-Phase-to-ground	Stable
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	Three-Phase-to-ground	Stable
	Metiskow 648S	Three-Phase-to-ground	Stable
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	Three-Phase-to-ground	Stable
	Wainwright 51S	Three-Phase-to-ground	Stable
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	Three-Phase-to-ground	Stable
	Buffalo Creek 526S	Three-Phase-to-ground	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	Three-Phase-to-ground	Stable
	Kitscoty 705S	Three-Phase-to-ground	Stable
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	Three-Phase-to-ground	Stable
	Hill 751S	Three-Phase-to-ground	Stable
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	Three-Phase-to-ground	Stable
	Lloydminster 716S	Three-Phase-to-ground	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	Three-Phase-to-ground	Stable
	Battle River 757S	Three-Phase-to-ground	Stable
7L65 (Vegreville 709S to Drury 2007S)	Vegreville 709S	Three-Phase-to-ground	Stable
	Drury 2007S	Three-Phase-to-ground	Stable
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	Three-Phase-to-ground	Stable
	Vermillion 710S	Three-Phase-to-ground	Stable
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	Three-Phase-to-ground	Stable
	Strome 223S	Three-Phase-to-ground	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	Three-Phase-to-ground	Stable
	Vegreville 709S	Three-Phase-to-ground	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	Three-Phase-to-ground	Stable
	Vegreville 709S	Three-Phase-to-ground	Stable
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Three-Phase-to-ground	Stable
	Red Deer 63S	Three-Phase-to-ground	Stable
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	Three-Phase-to-ground	Stable
	Paintearth 863S	Three-Phase-to-ground	Stable
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Three-Phase-to-ground	Stable
	Hansman Lake 650S	Three-Phase-to-ground	Stable
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	Three-Phase-to-ground	Stable
	Oakland 946S	Three-Phase-to-ground	Stable

Contingency	Fault Location	Fault Type	Transient Stability
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	Three-Phase-to-ground	Stable
	Coyote Lake 963S	Three-Phase-to-ground	Stable
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	Three-Phase-to-ground	Stable
	Lanfine 959S	Three-Phase-to-ground	Stable
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	Three-Phase-to-ground	Stable
	Cordel 755S	Three-Phase-to-ground	Stable
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Three-Phase-to-ground	Stable
	Anderson 801S	Three-Phase-to-ground	Stable
New 240 kV Line Nilrem 574S to Drury 2007S	Nilrem 574S	Three-Phase-to-ground	Stable
	Drury 2007S	Three-Phase-to-ground	Stable
New 240 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Three-Phase-to-ground	Unstable
	Edgerton 899S	Three-Phase-to-ground	Unstable
EATL	Newell 2075S	Three-Phase-to-ground	Stable

Table IV-3: Transient Stability Results under Category B Contingencies (Single-line-to-ground fault) – Alternative 2 (240 kV Plan) in Year 2021 Summer Light Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
701L (North Holden 395S to Strome 223S)	North Holden 395S	Single-line-to-ground	Stable
	Strome 223S	Single-line-to-ground	Stable
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	Single-line-to-ground	Stable
	Hardisty 377S	Single-line-to-ground	Stable
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	Single-line-to-ground	Stable
	Hughenden 213S	Single-line-to-ground	Stable
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	Single-line-to-ground	Stable
	Metiskow 648S	Single-line-to-ground	Stable
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	Single-line-to-ground	Stable
	Wainwright 51S	Single-line-to-ground	Stable
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	Single-line-to-ground	Stable
	Buffalo Creek 526S	Single-line-to-ground	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	Single-line-to-ground	Stable
	Kitscoty 705S	Single-line-to-ground	Stable
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	Single-line-to-ground	Stable
	Hill 751S	Single-line-to-ground	Stable
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	Single-line-to-ground	Stable
	Lloydminster 716S	Single-line-to-ground	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	Single-line-to-ground	Stable
	Battle River 757S	Single-line-to-ground	Stable
7L65 (Vegreville 709S to Drury 2007S)	Vegreville 709S	Single-line-to-ground	Stable
	Drury 2007S	Single-line-to-ground	Stable
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	Single-line-to-ground	Stable
	Strome 223S	Single-line-to-ground	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	Single-line-to-ground	Stable
	Vegreville 709S	Single-line-to-ground	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	Single-line-to-ground	Stable
	Vegreville 709S	Single-line-to-ground	Stable
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Single-line-to-ground	Stable
	Red Deer 63S	Single-line-to-ground	Stable
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	Single-line-to-ground	Stable
	Paintearth 863S	Single-line-to-ground	Stable
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	Single-line-to-ground	Stable
	Oakland 946S	Single-line-to-ground	Stable

Contingency	Fault Location	Fault Type	Transient Stability
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	Single-line-to-ground	Stable
	Coyote Lake 963S	Single-line-to-ground	Stable
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	Single-line-to-ground	Stable
	Lanfine 959S	Single-line-to-ground	Stable
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
New 240 kV Line Nilrem 574S to Drury 2007S	Nilrem 574S	Single-line-to-ground	Stable
	Drury 2007S	Single-line-to-ground	Stable
New 240 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Single-line-to-ground	Unstable
	Edgerton 899S	Single-line-to-ground	Unstable
EATL	Newell 2075S	Single-line-to-ground	Stable

Table IV-4: Transient Stability Results under Category B Contingencies (Single-line-to-ground fault) – Alternative 2 (240 kV Plan) in Year 2021 Winter Peak Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
701L (North Holden 395S to Strome 223S)	North Holden 395S	Single-line-to-ground	Stable
	Strome 223S	Single-line-to-ground	Stable
702L (Battle River 757S to Hardisty 377S)	Battle River 757S	Single-line-to-ground	Stable
	Hardisty 377S	Single-line-to-ground	Stable
703L (Hardisty 377S to Hughenden 213S)	Hardisty 377S	Single-line-to-ground	Stable
	Hughenden 213S	Single-line-to-ground	Stable
472L (Hughenden 213S to Metiskow 648S)	Hughenden 213S	Single-line-to-ground	Stable
	Metiskow 648S	Single-line-to-ground	Stable
704L (Tucuman 478S to Wainwright 51S)	Tucuman 478S	Single-line-to-ground	Stable
	Wainwright 51S	Single-line-to-ground	Stable
749L (Metiskow 648S to Edgerton 899S)	Metiskow 648S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	Irish Creek 706S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	Vermillion 710S	Single-line-to-ground	Stable
	Buffalo Creek 526S	Single-line-to-ground	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	Vermillion 710S	Single-line-to-ground	Stable
	Kitscoty 705S	Single-line-to-ground	Stable
7L14 (Kitscoty 705S to Hill 751S)	Kitscoty 705S	Single-line-to-ground	Stable
	Hill 751S	Single-line-to-ground	Stable
7L42 (Hill 751S to Lloydminster 716S)	Hill 751S	Single-line-to-ground	Stable
	Lloydminster 716S	Single-line-to-ground	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	Buffalo Creek 526S	Single-line-to-ground	Stable
	Battle River 757S	Single-line-to-ground	Stable
7L65 (Vegreville 709S to Drury 2007S)	Vegreville 709S	Single-line-to-ground	Stable
	Drury 2007S	Single-line-to-ground	Stable
7L205 (Drury 2007S to Vermillion 710S)	Drury 2007S	Single-line-to-ground	Stable
	Vermillion 710S	Single-line-to-ground	Stable
7L701 (Battle River 757S to Strome 223S)	Battle River 757S	Single-line-to-ground	Stable
	Strome 223S	Single-line-to-ground	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	Lloydminster 716S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
7L77 (North Holden 395S to Vegreville 709S)	North Holden 395S	Single-line-to-ground	Stable
	Vegreville 709S	Single-line-to-ground	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	Whitby Lake 819S	Single-line-to-ground	Stable
	Vegreville 709S	Single-line-to-ground	Stable
885L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Single-line-to-ground	Stable
	Red Deer 63S	Single-line-to-ground	Stable
9L948 (Hansman Lake 650S to Paintearth 863S)	Hansman Lake 650S	Single-line-to-ground	Stable
	Paintearth 863S	Single-line-to-ground	Stable
9L953 (Nilrem 574S to Cordel 755S)	Nilrem 574S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	Nilrem 574S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
954L (Metiskow 648S to Hansman Lake 650S)	Metiskow 648S	Single-line-to-ground	Stable
	Hansman Lake 650S	Single-line-to-ground	Stable
9L16 (Tinchebray 972S to Cordel 755S)	Tinchebray 972S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L20 (Nevis 766S to Cordel 755S)	Nevis 766S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L24 (Lanfine 959S to Oakland 946S)	Lanfine 959S	Single-line-to-ground	Stable
	Oakland 946S	Single-line-to-ground	Stable

Contingency	Fault Location	Fault Type	Transient Stability
9L27 (Paintearth 863S to Cordel 755S)	Paintearth 863S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L29 (Oakland 946S to Coyote Lake 963S)	Oakland 946S	Single-line-to-ground	Stable
	Coyote Lake 963S	Single-line-to-ground	Stable
9L46 (Pemukan 932S to Lanfine 959S)	Pemukan 932S	Single-line-to-ground	Stable
	Lanfine 959S	Single-line-to-ground	Stable
9L59 (Tinchebray 972S to Anderson 801S)	Tinchebray 972S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
9L70 (Oakland 946S to Anderson 801S)	Oakland 946S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
9L79 (Battle River 757S to Cordel 755S)	Battle River 757S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L80 (Battle River 757S to Cordel 755S)	Battle River 757S	Single-line-to-ground	Stable
	Cordel 755S	Single-line-to-ground	Stable
9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Single-line-to-ground	Stable
	Anderson 801S	Single-line-to-ground	Stable
New 240 kV Line Nilrem 574S to Drury 2007S	Nilrem 574S	Single-line-to-ground	Stable
	Drury 2007S	Single-line-to-ground	Stable
New 240 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable
EATL	Newell 2075S	Single-line-to-ground	Stable

Table IV-5: Transient Stability Results under Category C5 Contingencies (Line-to-line-to-ground fault) – Alternative 2 (240 kV Plan) in Year 2021 Summer Light Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
7L14+7L130 (Kitscoty 705S to Vermillion 710S / Hill 751S)	Kitscoty 705S	Line-to-Line-to-ground	Stable
7L117+7L53 (Irish Creek 706S to Vermillion 710S / Bonnyville 700S)	Irish Creek 706S	Line-to-Line-to-ground	Stable
7L53+7L70 (Bonnyville 700S to Irish Creek 706S / St. Paul 707S)	Bonnyville 700S	Line-to-Line-to-ground	Stable
7L91+7L66 (Leming Lake 715S to Marguerite Lake 826S / Ethel Lake 717S)	Leming Lake 715S	Line-to-Line-to-ground	Stable
7L91+7L89 (Marguerite Lake 826S to Leming Lake 715S / Lacorey 721S)	Marguerite Lake 826S	Line-to-Line-to-ground	Stable
9L36+9L37 (Marguerite Lake 826S to Whitefish Lake 825S)	Marguerite Lake 826S	Line-to-Line-to-ground	Stable
7L139+7L70 (St. Paul 707S to Whitby Lake 819S / Bonnyville 700S)	St. Paul 707S	Line-to-Line-to-ground	Stable
679L+680L (Tucuman 478S to Nilrem 574S)	Tucuman 478S	Line-to-Line-to-ground	Stable
9L16+9L953 (Cordel 755S to Nilrem 574S / Tinchebray 972S)	Cordel 755S	Line-to-Line-to-ground	Stable
1082L+925L (Red Deer 63S to Hazelwood 287S / Janet 74S)	Red Deer 63S	Line-to-Line-to-ground	Stable
1083L+914L (Red Deer 63S to Wolf Creek 288S / Gaetz 87S)	Red Deer 63S	Line-to-Line-to-ground	Stable
901L+912L (Red Deer 63S to Janet 74S / Nevis 766S)	Red Deer 63S	Line-to-Line-to-ground	Stable
912L+914L (Red Deer 63S to Nevis 766S / Gaetz 87S)	Red Deer 63S	Line-to-Line-to-ground	Stable
929L+925L (Janet 74S to Red Deer 63S / Hazelwood 287S)	Janet 74S	Line-to-Line-to-ground	Stable
9L80+9L79 (Cordel 755S to Battle River 757S)	Cordel 755S	Line-to-Line-to-ground	Stable
953L+1047L (Nilrem 574S to Cordel 755S / Hansman Lake 650S)	Nilrem 574S	Line-to-Line-to-ground	Stable
948L+1047L (Hansman Lake 650S to Paintearth 863S / Nilrem 574S)	Hansman Lake 650S	Line-to-Line-to-ground	Stable
7L128+7L171 (Michichi Creek 802S to Coyote Lake 963S / Wintering Hills 804S)	Michichi Creek 802S	Line-to-Line-to-ground	Stable
7L16+7L159 (Heatburg 948S to Nevis 766S / Ghost Pine 114S)	Heatburg 948S	Line-to-Line-to-ground	Stable
7L25+7L137 (Rowley 768S to Michichi Creek 802S / Three Hills 770S)	Rowley 768S	Line-to-Line-to-ground	Stable
9L70+9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Line-to-Line-to-ground	Stable
933L+934L (Ware Junction 132S to Anderson 801S)	Ware Junction 132S	Line-to-Line-to-ground	Stable

Table IV-6: Transient Stability Results under Category C5 Contingencies (Line-to-line-to-ground fault) – Alternative 2 (240 kV Plan) in Year 2021 Winter Peak Load Condition

Contingency	Fault Location	Fault Type	Transient Stability
7L14+7L130 (Kitscoty 705S to Vermillion 710S / Hill 751S)	Kitscoty 705S	Line-to-Line-to-ground	Stable
7L117+7L53 (Irish Creek 706S to Vermillion 710S / Bonnyville 700S)	Irish Creek 706S	Line-to-Line-to-ground	Stable
7L53+7L70 (Bonnyville 700S to Irish Creek 706S / St. Paul 707S)	Bonnyville 700S	Line-to-Line-to-ground	Stable
7L91+7L66 (Leming Lake 715S to Marguerite Lake 826S / Ethel Lake 717S)	Leming Lake 715S	Line-to-Line-to-ground	Stable
7L91+7L89 (Marguerite Lake 826S to Leming Lake 715S / Lacorey 721S)	Marguerite Lake 826S	Line-to-Line-to-ground	Stable
9L36+9L37 (Marguerite Lake 826S to Whitefish Lake 825S)	Marguerite Lake 826S	Line-to-Line-to-ground	Stable
7L139+7L70 (St. Paul 707S to Whitby Lake 819S / Bonnyville 700S)	St. Paul 707S	Line-to-Line-to-ground	Stable
679L+680L (Tucuman 478S to Nilrem 574S)	Tucuman 478S	Line-to-Line-to-ground	Stable
9L16+9L953 (Cordel 755S to Nilrem 574S / Tinchebray 972S)	Cordel 755S	Line-to-Line-to-ground	Stable
1082L+925L (Red Deer 63S to Hazelwood 287S / Janet 74S)	Red Deer 63S	Line-to-Line-to-ground	Stable
1083L+914L (Red Deer 63S to Wolf Creek 288S / Gaetz 87S)	Red Deer 63S	Line-to-Line-to-ground	Stable
901L+912L (Red Deer 63S to Janet 74S / Nevis 766S)	Red Deer 63S	Line-to-Line-to-ground	Stable
912L+914L (Red Deer 63S to Nevis 766S / Gaetz 87S)	Red Deer 63S	Line-to-Line-to-ground	Stable
929L+925L (Janet 74S to Red Deer 63S / Hazelwood 287S)	Janet 74S	Line-to-Line-to-ground	Stable
9L80+9L79 (Cordel 755S to Battle River 757S)	Cordel 755S	Line-to-Line-to-ground	Stable
953L+1047L (Nilrem 574S to Cordel 755S / Hansman Lake 650S)	Nilrem 574S	Line-to-Line-to-ground	Stable
948L+1047L (Hansman Lake 650S to Paintearth 863S / Nilrem 574S)	Hansman Lake 650S	Line-to-Line-to-ground	Stable
7L128+7L171 (Michichi Creek 802S to Coyote Lake 963S / Wintering Hills 804S)	Michichi Creek 802S	Line-to-Line-to-ground	Stable
7L16+7L159 (Heatburg 948S to Nevis 766S / Ghost Pine 114S)	Heatburg 948S	Line-to-Line-to-ground	Stable
7L25+7L137 (Rowley 768S to Michichi Creek 802S / Three Hills 770S)	Rowley 768S	Line-to-Line-to-ground	Stable
9L70+9L97 (Oakland 946S to Anderson 801S)	Oakland 946S	Line-to-Line-to-ground	Stable
933L+934L (Ware Junction 132S to Anderson 801S)	Ware Junction 132S	Line-to-Line-to-ground	Stable

Table IV-7: Transient Stability Results under Category C7 Contingencies (Single-line-to-ground fault) – Alternative 2 (240 kV Plan) in Year 2021 Summer Light Load Condition

Faulted Line	Fault Location	Fault Type	Failed Breaker	Transient Stability
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S904@755S Cordel	Stable
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S905@755S Cordel	Stable
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S901@755S Cordel	Stable
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S906@755S Cordel	Stable
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S902@755S Cordel	Stable
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S903@755S Cordel	Stable
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S901@755S Cordel	Stable
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S902@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S903@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S904@755S Cordel	Stable
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S905@755S Cordel	Stable
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S906@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	757S Battle River	Single-Line-to-ground	S912@757S Battle River	Stable
701L (North Holden 395S to Strome 223S)	757S Battle River	Single-Line-to-ground	S707@757S Battle River	Stable
702L (Battle River 757S to Hardisty 377S)	757S Battle River	Single-Line-to-ground	S708@757S Battle River	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	757S Battle River	Single-Line-to-ground	S709@757S Battle River	Stable
9L20 (Nevis 766S to Cordel 755S)	766S Nevis	Single-Line-to-ground	S901@766S Nevis	Stable
9L912 ((Nevis 766S to Red Deer 63S))	766S Nevis	Single-Line-to-ground	S902@766S Nevis	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	710S Vermillion	Single-Line-to-ground	S704@710S Vermillion	Stable
7L205 (Drury 2007S to Vermillion 710S)	710S Vermillion	Single-Line-to-ground	S703@710S Vermillion	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	710S Vermillion	Single-Line-to-ground	S701@710S Vermillion	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	710S Vermillion	Single-Line-to-ground	S702@710S Vermillion	Stable
472L (Hughenden 213S to Metiskow 648S)	648S Metiskow	Single-Line-to-ground	S472@648S Metiskow	Stable
749L (Metiskow 648S to Edgerton 899S)	648S Metiskow	Single-Line-to-ground	S749E@648S Metiskow	Stable
885L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	Single-Line-to-ground	S885@648S Metiskow	Stable
954L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	Single-Line-to-ground	S29@648S Metiskow	Stable
715L (Hansman Lake 650S to Provost 545S)	650S Hansman Lake	Single-Line-to-ground	S1352@650S Hansman Lake	Stable
7L224 (Hansman Lake 650S to Monitor 774S)	650S Hansman Lake	Single-Line-to-ground	S1752@650S Hansman Lake	Stable
885L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S1752@650S Hansman Lake	Stable
948L (Hansman Lake 650S to Paintearth 863S)	650S Hansman Lake	Single-Line-to-ground	S852@650S Hansman Lake	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S552@650S Hansman Lake	Stable
954L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S752@650S Hansman Lake	Stable
966L (Hansman Lake 650S to Pemukan 932S)	650S Hansman Lake	Single-Line-to-ground	S452@650S Hansman Lake	Stable
New 240 kV Line Hansman Lake 650S to Edgerton 899S	650S Hansman Lake	Single-Line-to-ground	New 240 kV Breaker@650S Hansman Lake	Stable
701L (North Holden 395S to Strome 223S)	395S North Holden	Single-Line-to-ground	S701X@395S North Holden	Stable
7L77 (North Holden 395S to Vegreville 709S)	395S North Holden	Single-Line-to-ground	S77E@395S North Holden	Stable
7L77 (North Holden 395S to Vegreville 709S)	709S Vegreville	Single-Line-to-ground	S702@709S Vegreville	Stable

Faulted Line	Fault Location	Fault Type	Failed Breaker	Transient Stability
7L92 (Whitby Lake 819S to Vegreville 709S)	709S Vegreville	Single-Line-to-ground	S703@709S Vegreville	Stable
7L65 (Vegreville 709S to Drury 2007S)	709S Vegreville	Single-Line-to-ground	S701@709S Vegreville	Stable
953L (Nilrem 574S to Cordel 755S)	574S Nilrem	Single-Line-to-ground	S552@574S Nilrem	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	574S Nilrem	Single-Line-to-ground	S552@574S Nilrem	Stable
New 240 kV Line Nilrem 574S to Drury 2007S	574S Nilrem	Single-Line-to-ground	New 240 kV Breaker@574S Nilrem	Stable
7L65 (Vegreville 709S to Drury 2007S)	2007S Drury	Single-Line-to-ground	New 138 kV Breaker@2007S Drury	Stable
7L205 (Drury 2007S to Vermillion 710S)	2007S Drury	Single-Line-to-ground	New 138 kV Breaker@2007S Drury	Stable
New 240 kV Line Nilrem 574S to Drury 2007S	2007S Drury	Single-Line-to-ground	New 240 kV Breaker@2007S Drury	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	899S Edgerton	Single-Line-to-ground	S749N@899S Edgerton	Stable
749L (Metiskow 648S to Edgerton 899S)	899S Edgerton	Single-Line-to-ground	S749X@899S Edgerton	Stable
New 240 kV Line Hansman Lake 650S to Edgerton 899S	899S Edgerton	Single-Line-to-ground	New 240 kV Breaker@899S Edgerton	Stable
9L966 (Hansman Lake 650S to Pemukan 932S)	932S Pemukan	Single-Line-to-ground	S905@932S Pemukan	Stable
9L46 (Pemukan 932S to Lanfine 959S)	932S Pemukan	Single-Line-to-ground	S905@932S Pemukan	Stable
9L46 (Pemukan 932S to Lanfine 959S)	959S Lanfine	Single-Line-to-ground	S905@959S Lanfine	Stable
9L24 (Lanfine 959S to Oakland 946S)	959S Lanfine	Single-Line-to-ground	S905@959S Lanfine	Stable
9L24 (Lanfine 959S to Oakland 946S)	946S Oakland	Single-Line-to-ground	946S@946S Oakland	Stable
9L97 (Oakland 946S to Anderson 801S)	946S Oakland	Single-Line-to-ground	946S@946S Oakland	Stable
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S902@825S Whitefish Lake	Stable
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S906@825S Whitefish Lake	Stable
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S905@825S Whitefish Lake	Stable
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S903@825S Whitefish Lake	Stable

Table IV-8: Transient Stability Results under Category C7 Contingencies (Single-line-to-ground fault) – Alternative 2 (240 kV Plan) in Year 2021 Winter Peak Load Condition

Faulted Line	Fault Location	Fault Type	Failed Breaker	Transient Stability
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S904@755S Cordel	Stable
9L16 (Tinchebray 972S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S905@755S Cordel	Stable
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S901@755S Cordel	Stable
9L20 (Nevis 766S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S906@755S Cordel	Stable
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S902@755S Cordel	Stable
9L27 (Paintearth 863S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S903@755S Cordel	Stable
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S901@755S Cordel	Stable
9L79 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S902@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S903@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S904@755S Cordel	Stable
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S905@755S Cordel	Stable
9L953 (Nilrem 574S to Cordel 755S)	755S Cordel	Single-Line-to-ground	S906@755S Cordel	Stable
9L80 (Battle River 757S to Cordel 755S)	757S Battle River	Single-Line-to-ground	S912@757S Battle River	Stable
701L (North Holden 395S to Strome 223S)	757S Battle River	Single-Line-to-ground	S707@757S Battle River	Stable
702L (Battle River 757S to Hardisty 377S)	757S Battle River	Single-Line-to-ground	S708@757S Battle River	Stable
7L50 (Buffalo Creek 526S to Battle River 757S)	757S Battle River	Single-Line-to-ground	S709@757S Battle River	Stable
9L20 (Nevis 766S to Cordel 755S)	766S Nevis	Single-Line-to-ground	S901@766S Nevis	Stable
9L912 ((Nevis 766S to Red Deer 63S))	766S Nevis	Single-Line-to-ground	S902@766S Nevis	Stable
7L129 (Vermillion 710S to Buffalo Creek 526S)	710S Vermillion	Single-Line-to-ground	S704@710S Vermillion	Stable
7L205 (Drury 2007S to Vermillion 710S)	710S Vermillion	Single-Line-to-ground	S703@710S Vermillion	Stable
7L117 (Irish Creek 706S to Vermillion 710S)	710S Vermillion	Single-Line-to-ground	S701@710S Vermillion	Stable
7L130 (Vermillion 710S to Kitscoty 705S)	710S Vermillion	Single-Line-to-ground	S702@710S Vermillion	Stable
472L (Hughenden 213S to Metiskow 648S)	648S Metiskow	Single-Line-to-ground	S472@648S Metiskow	Stable
749L (Metiskow 648S to Edgerton 899S)	648S Metiskow	Single-Line-to-ground	S749E@648S Metiskow	Stable
885L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	Single-Line-to-ground	S885@648S Metiskow	Stable
954L (Metiskow 648S to Hansman Lake 650S)	648S Metiskow	Single-Line-to-ground	S29@648S Metiskow	Stable
715L (Hansman Lake 650S to Provost 545S)	650S Hansman Lake	Single-Line-to-ground	S1352@650S Hansman Lake	Stable
7L224 (Hansman Lake 650S to Monitor 774S)	650S Hansman Lake	Single-Line-to-ground	S1752@650S Hansman Lake	Stable
885L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S1752@650S Hansman Lake	Stable
948L (Hansman Lake 650S to Paintearth 863S)	650S Hansman Lake	Single-Line-to-ground	S852@650S Hansman Lake	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S552@650S Hansman Lake	Stable
954L (Metiskow 648S to Hansman Lake 650S)	650S Hansman Lake	Single-Line-to-ground	S752@650S Hansman Lake	Stable
966L (Hansman Lake 650S to Pemukan 932S)	650S Hansman Lake	Single-Line-to-ground	S452@650S Hansman Lake	Stable
New 240 kV Line Hansman Lake 650S to Edgerton 899S	650S Hansman Lake	Single-Line-to-ground	New 240 kV Breaker@650S Hansman Lake	Stable
701L (North Holden 395S to Strome 223S)	395S North Holden	Single-Line-to-ground	S701X@395S North	Stable

Faulted Line	Fault Location	Fault Type	Failed Breaker	Transient Stability
			Holden	
7L77 (North Holden 395S to Vegreville 709S)	395S North Holden	Single-Line-to-ground	S77E@395S North Holden	Stable
7L77 (North Holden 395S to Vegreville 709S)	709S Vegreville	Single-Line-to-ground	S702@709S Vegreville	Stable
7L92 (Whitby Lake 819S to Vegreville 709S)	709S Vegreville	Single-Line-to-ground	S703@709S Vegreville	Stable
7L65 (Vegreville 709S to Drury 2007S)	709S Vegreville	Single-Line-to-ground	S701@709S Vegreville	Stable
953L (Nilrem 574S to Cordel 755S)	574S Nilrem	Single-Line-to-ground	S552@574S Nilrem	Stable
1047L (Nilrem 574S to Hansman Lake 650S)	574S Nilrem	Single-Line-to-ground	S552@574S Nilrem	Stable
New 240 kV Line Nilrem 574S to Drury 2007S	574S Nilrem	Single-Line-to-ground	New 240 kV Breaker@574S Nilrem	Stable
7L65 (Vegreville 709S to Drury 2007S)	2007S Drury	Single-Line-to-ground	New 138 kV Breaker@2007S Drury	Stable
7L205 (Drury 2007S to Vermillion 710S)	2007S Drury	Single-Line-to-ground	New 138 kV Breaker@2007S Drury	Stable
New 240 kV Line Nilrem 574S to Drury 2007S	2007S Drury	Single-Line-to-ground	New 240 kV Breaker@2007S Drury	Stable
7L749 (Lloydminster 716S to Edgerton 899S)	899S Edgerton	Single-Line-to-ground	S749N@899S Edgerton	Stable
749L (Metiskow 648S to Edgerton 899S)	899S Edgerton	Single-Line-to-ground	S749X@899S Edgerton	Stable
New 240 kV Line Hansman Lake 650S to Edgerton 899S	899S Edgerton	Single-Line-to-ground	New 240 kV Breaker@899S Edgerton	Stable
9L966 (Hansman Lake 650S to Pemukan 932S)	932S Pemukan	Single-Line-to-ground	S905@932S Pemukan	Stable
9L46 (Pemukan 932S to Lanfine 959S)	932S Pemukan	Single-Line-to-ground	S905@932S Pemukan	Stable
9L46 (Pemukan 932S to Lanfine 959S)	959S Lanfine	Single-Line-to-ground	S905@959S Lanfine	Stable
9L24 (Lanfine 959S to Oakland 946S)	959S Lanfine	Single-Line-to-ground	S905@959S Lanfine	Stable
9L24 (Lanfine 959S to Oakland 946S)	946S Oakland	Single-Line-to-ground	946S@946S Oakland	Stable
9L97 (Oakland 946S to Anderson 801S)	946S Oakland	Single-Line-to-ground	946S@946S Oakland	Stable
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S902@825S Whitefish Lake	Stable
9L36 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S906@825S Whitefish Lake	Stable
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S905@825S Whitefish Lake	Stable
9L37 (Whitefish Lake 825S to Marguerite Lake 826S)	825S Whitefish Lake	Single-Line-to-ground	S903@825S Whitefish Lake	Stable

Table IV-9: Transient Stability Results under Category B Contingencies (Three-phase-to-ground fault) with RAS Tripping 160 MW Edgerton Wind Generation – Alternative 2 (240 kV Plan) in Year 2021 Summer Light Load Condition

Contingency	Fault Location	Fault Type	Transient Stability after RAS
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Three-Phase-to-ground	Stable
	Red Deer 63S	Three-Phase-to-ground	Stable
New 240 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable

Table IV-10: Transient Stability Results under Category B Contingencies (Three-phase-to-ground fault) with RAS Tripping 160 MW Edgerton Wind Generation – Alternative 2 (240 kV Plan) in Year 2021 Winter Peak Load Condition

Contingency	Fault Location	Fault Type	Transient Stability after RAS
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Three-Phase-to-ground	Stable
	Red Deer 63S	Three-Phase-to-ground	Stable
New 240 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Three-Phase-to-ground	Stable
	Edgerton 899S	Three-Phase-to-ground	Stable

Table IV-11: Transient Stability Results under Category B Contingencies (Single-line-to-ground fault) with RAS Tripping 160 MW Edgerton Wind Generation – Alternative 2 (240 kV Plan) in Year 2021 Summer Light Load Condition

Contingency	Fault Location	Fault Type	Transient Stability after RAS
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Single-line-to-ground	Stable
	Red Deer 63S	Single-line-to-ground	Stable
New 240 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable

Table IV-12: Transient Stability Results under Category B Contingencies (Single-line-to-ground fault) with RAS Tripping 160 MW Edgerton Wind Generation – Alternative 2 (240 kV Plan) in Year 2021 Winter Peak Load Condition

Contingency	Fault Location	Fault Type	Transient Stability after RAS
912L (Nevis 766S to Red Deer 63S)	Nevis 766S	Single-line-to-ground	Stable
	Red Deer 63S	Single-line-to-ground	Stable
New 240 kV Line Hansman Lake 650S to Edgerton 899S	Hansman Lake 650S	Single-line-to-ground	Stable
	Edgerton 899S	Single-line-to-ground	Stable

Transient Stability Analysis Plots

Index of Plots

1. Existing System Prior to PENV Development

1.1. Category A (No Contingency, No Fault)
- 1.1.1. 2021 Summer Light
- 1.1.2. 2021 Winter Peak

1.2. Category B (Three-phase-to-ground Fault)
- 1.2.1. 2021 Summer Light
- 1.2.2. 2021 Winter Peak

1.3. Category B (Single-line-to-ground Fault)
- 1.3.1. 2021 Summer Light
- 1.3.2. 2021 Winter Peak

1.4. Category C5 (Line-to-line-to-ground Fault)
- 1.4.1. 2021 Summer Light
- 1.4.2. 2021 Winter Peak

1.5. Category C7 (Single-line-to-ground Fault)
- 1.5.1. 2021 Summer Light
- 1.5.2. 2021 Winter Peak

2. Alternative 1-138 kV Plan

2.1. Category A (No Contingency, No Fault)
- 2.1.1. 2021 Summer Light
- 2.1.2. 2021 Winter Peak

2.2. Category B (Three-phase-to-ground Fault)
- 2.2.1. 2021 Summer Light
- 2.2.2. 2021 Winter Peak

2.3. Category B (Single-line-to-ground Fault)
- 2.3.1. 2021 Summer Light
- 2.3.2. 2021 Winter Peak

2.4. Category C5 (Line-to-line-to-ground Fault)
- 2.4.1. 2021 Summer Light
- 2.4.2. 2021 Winter Peak

2.5. Category C7 (Single-line-to-ground Fault)
- 2.5.1. 2021 Summer Light
- 2.5.2. 2021 Winter Peak

2.6. Category B (Three-phase-to-ground Fault)
- 2.6.1. 2021 Summer Light / Sensitivity Scenario
- 2.6.2. 2021 Winter Peak / Sensitivity Scenario

3. Alternative 2 Energized at 240 kV

3.1. Category A (No Contingency, No Fault)
- 3.1.1. 2021 Summer Light
- 3.1.2. 2021 Winter Peak

3.2. Category B (Three-phase-to-ground Fault)
- 3.2.1. 2021 Summer Light
- 3.2.2. 2021 Winter Peak

3.3. Category B (Single-line-to-ground Fault)
- 3.3.1. 2021 Summer Light
- 3.3.2. 2021 Winter Peak

3.4. Category C5 (Line-to-line-to-ground Fault)
- 3.4.1. 2021 Summer Light
- 3.4.2. 2021 Winter Peak

3.5. Category C7 (Single-line-to-ground Fault)
- 3.5.1. 2021 Summer Light
- 3.5.2. 2021 Winter Peak

3.6. Category B (Three-phase-to-ground Fault) with RAS
- 3.6.1. 2021 Summer Light
- 3.6.2. 2021 Winter Peak

3.7. Category B (Single-line-to-ground Fault) with RAS
- 3.7.1. 2021 Summer Light
- 3.7.2. 2021 Winter Peak

Transient Stability Analysis Plots

Existing System Prior to PENV Development

2021 Summer Light

Category A (No contingency, No Fault)

NEED_2021_SL_CASE03
CATA

FILE: Need_2021_SL_Case03.out

MON, NOV 21 2016 13:21

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FILE: Need_2021_SL_Case03.out

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FILE: Need_2021_SL_Case03.out

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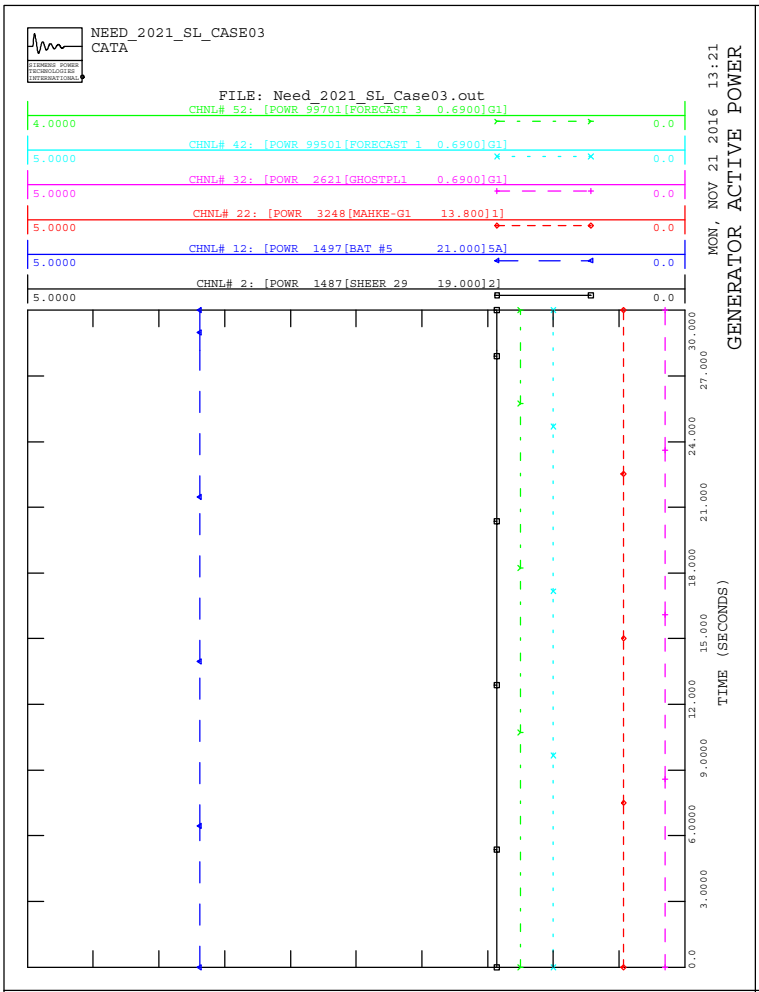
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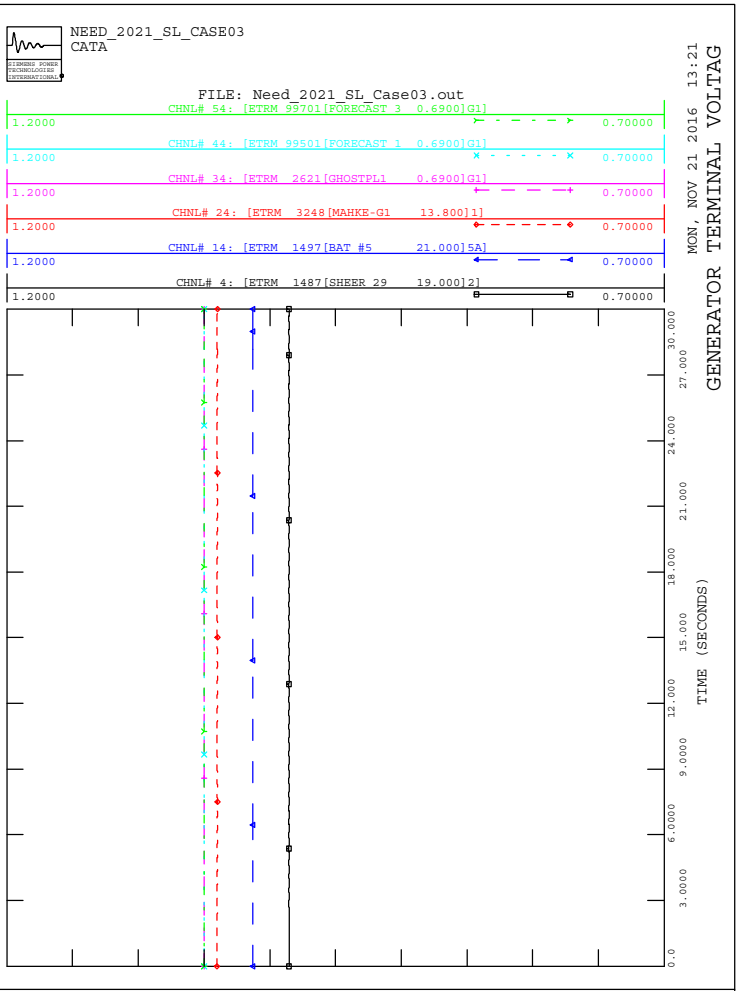
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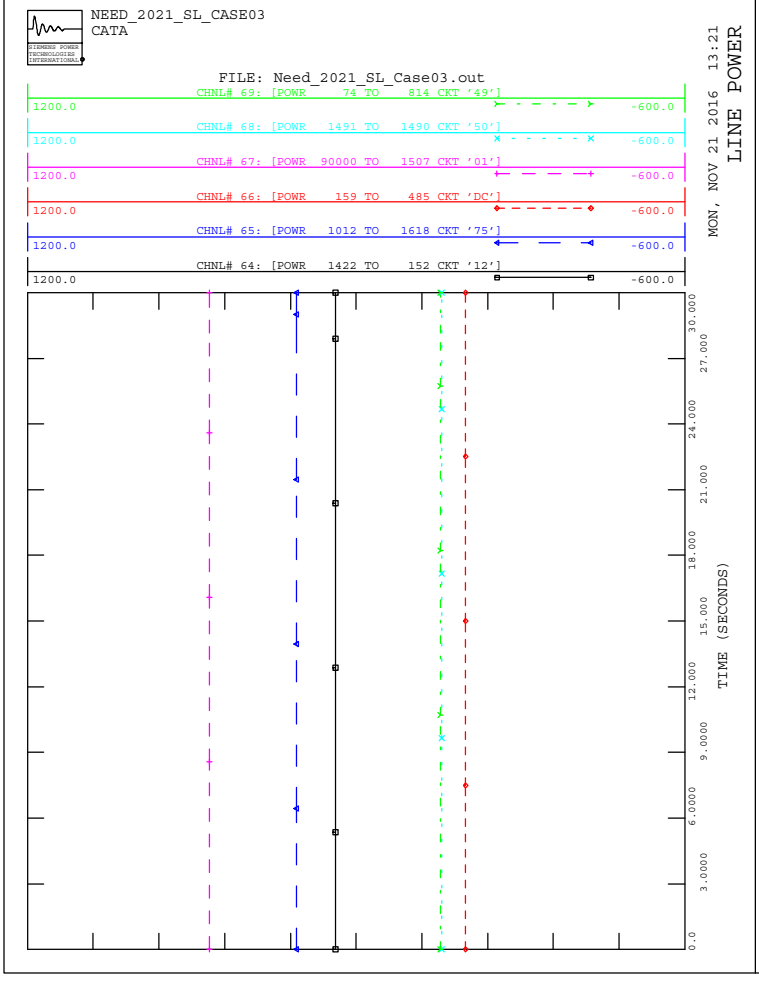
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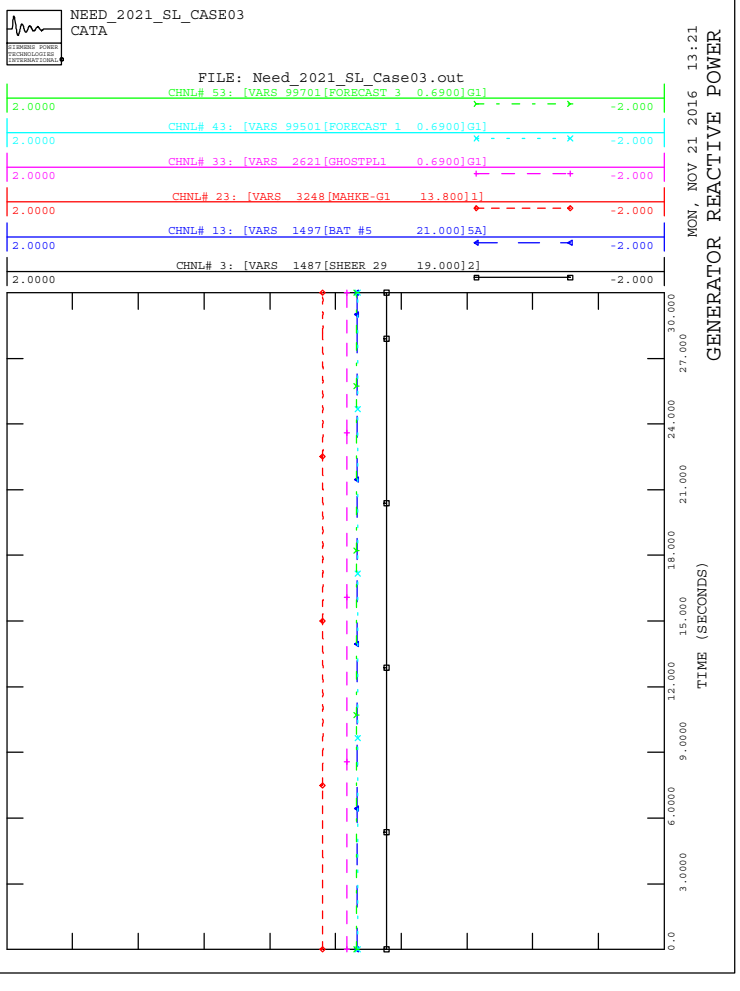
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MON, NOV 21 2016 13:21
GENERATOR REACTIVE POWER

Transient Stability Analysis Plots

Existing System Prior to PENV Development

2021 Winter Peak

Category A (No contingency, No Fault)

NEED_2021_WP_CASE05
CATA

FILE: Need_2021_WP_Case05.out

MON, NOV 21 2016 13:21

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TIME (SECONDS)

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CATA

FILE: Need_2021_WP_Case05.out

MON, NOV 21 2016 13:21

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CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

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TIME (SECONDS)

NEED_2021_WP_CASE05
CATA

FILE: Need_2021_WP_Case05.out

MON, NOV 21 2016 13:21

FREQUENCY

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CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

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TIME (SECONDS)

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FILE: Need_2021_WP_Case05.out

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TIME (SECONDS)

NEED_2021_WP_CASE05
CATA

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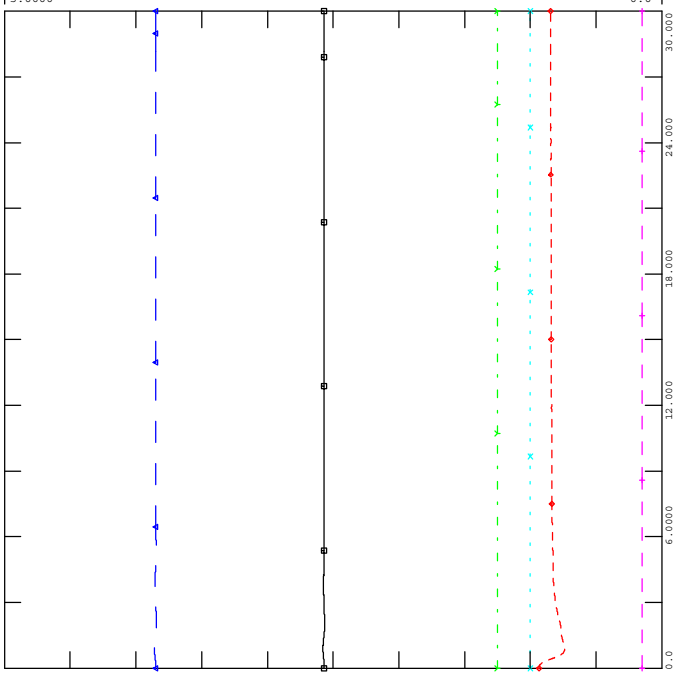

MON, NOV 21 2016 13:21
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATA

FILE: Need_2021_WP_Case05.out

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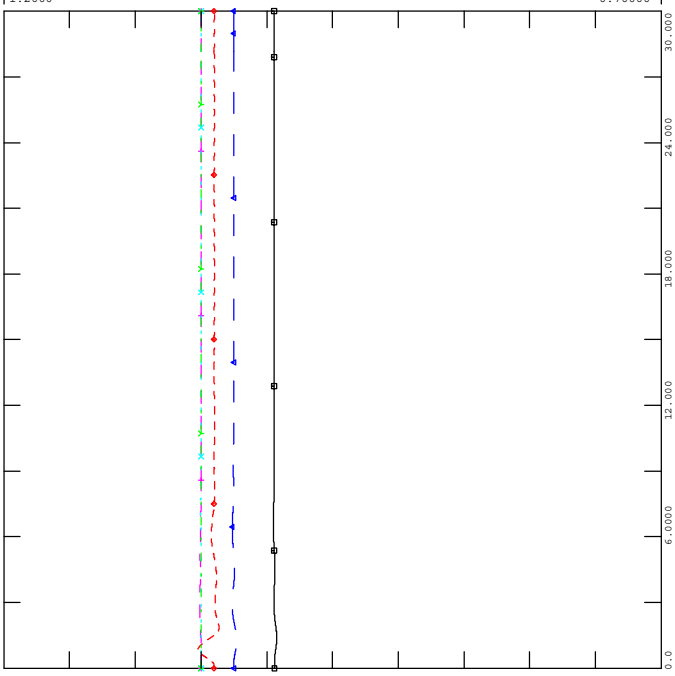

MON, NOV 21 2016 13:21
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATA

FILE: Need_2021_WP_Case05.out

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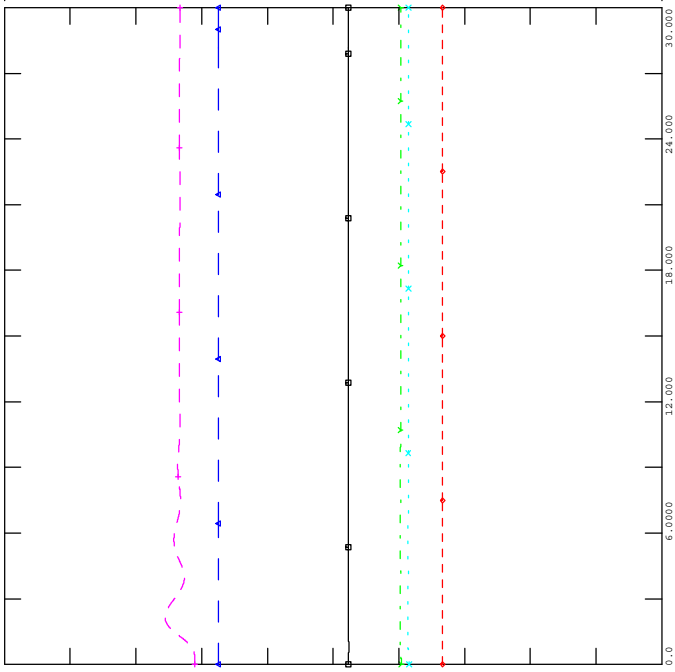
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']



MON, NOV 21 2016 13:21
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CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
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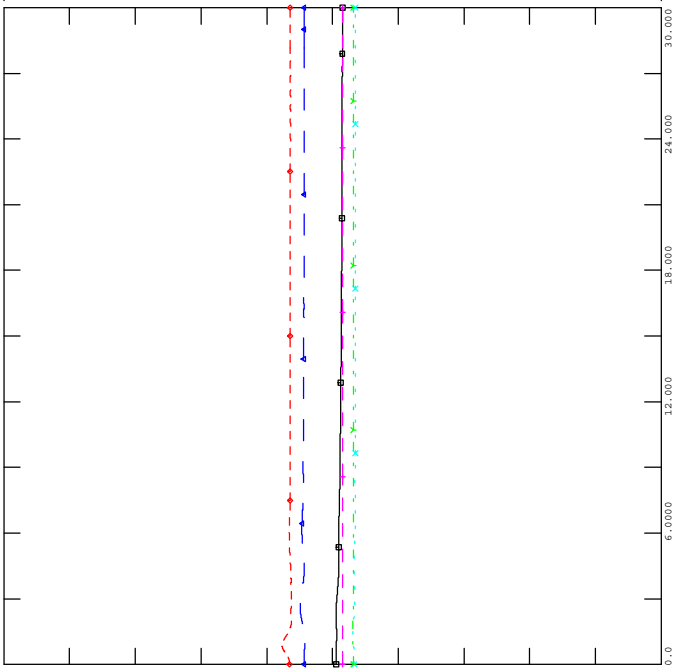

MON, NOV 21 2016 13:21
GENERATOR REACTIVE POWER

Transient Stability Analysis Plots

Existing System Prior to PENV Development

2021 Summer Light

Category B (Three-phase-to-ground Fault)

NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out

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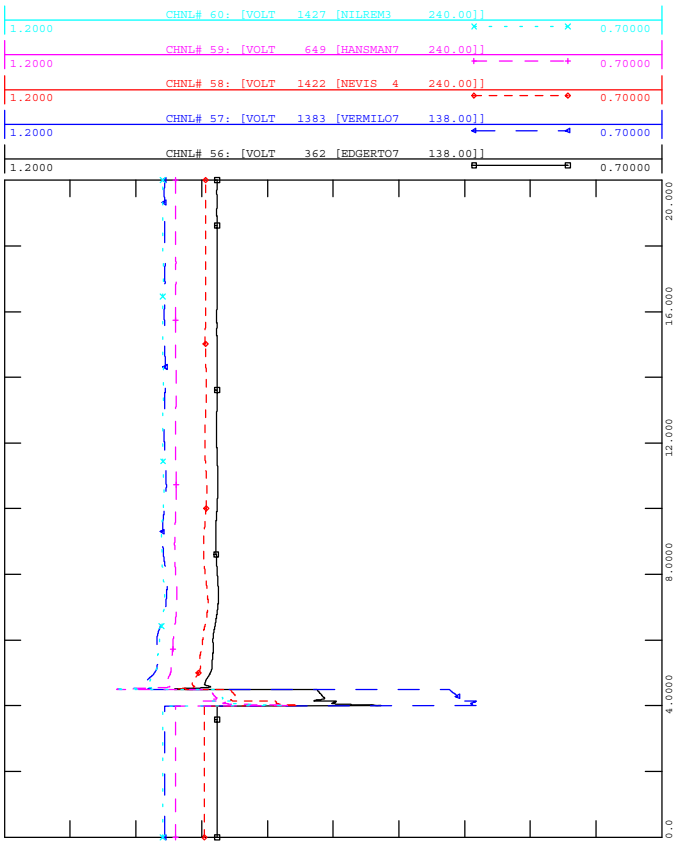
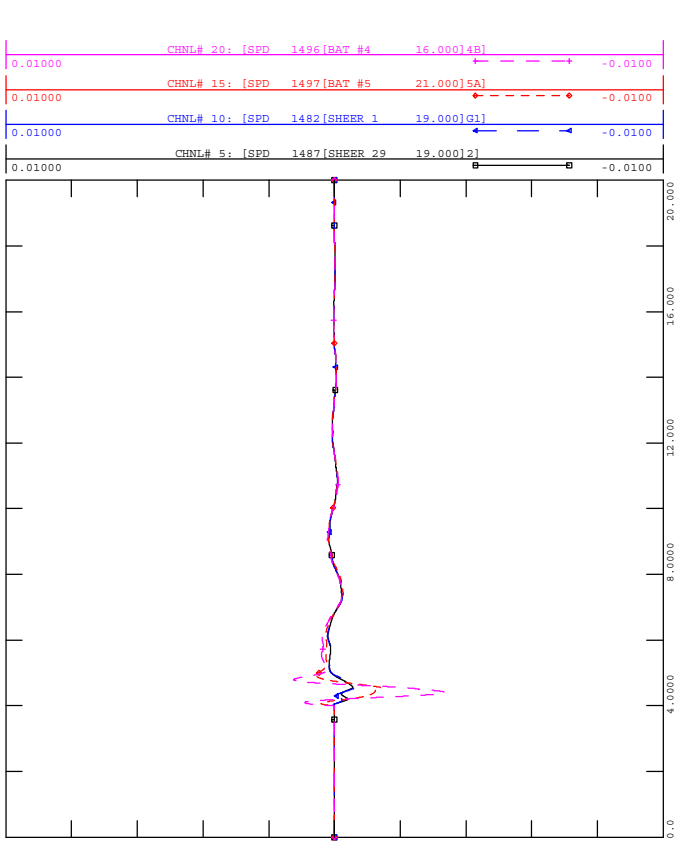


NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

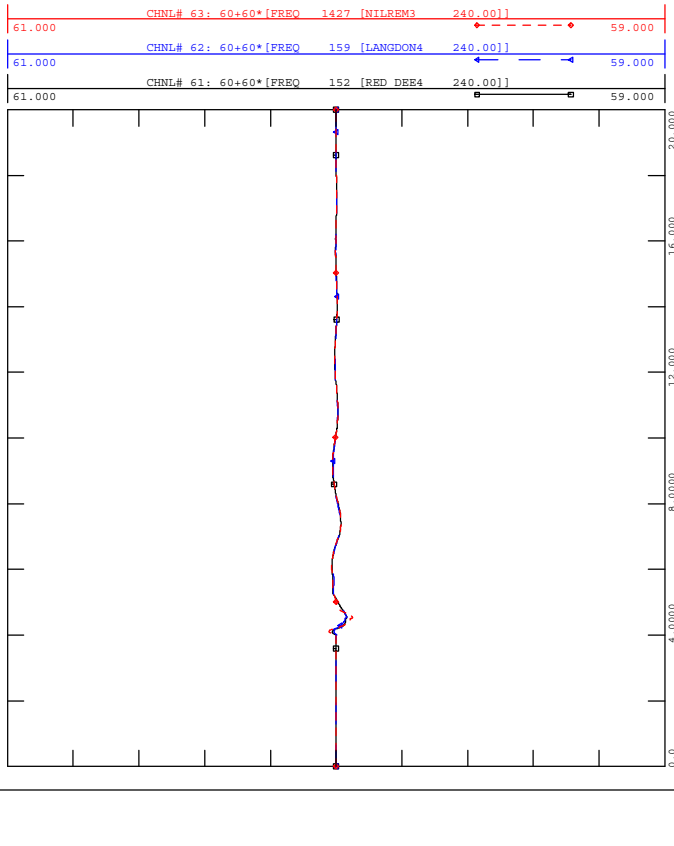


NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out

MON, NOV 21 2016 13:32

FREQUENCY

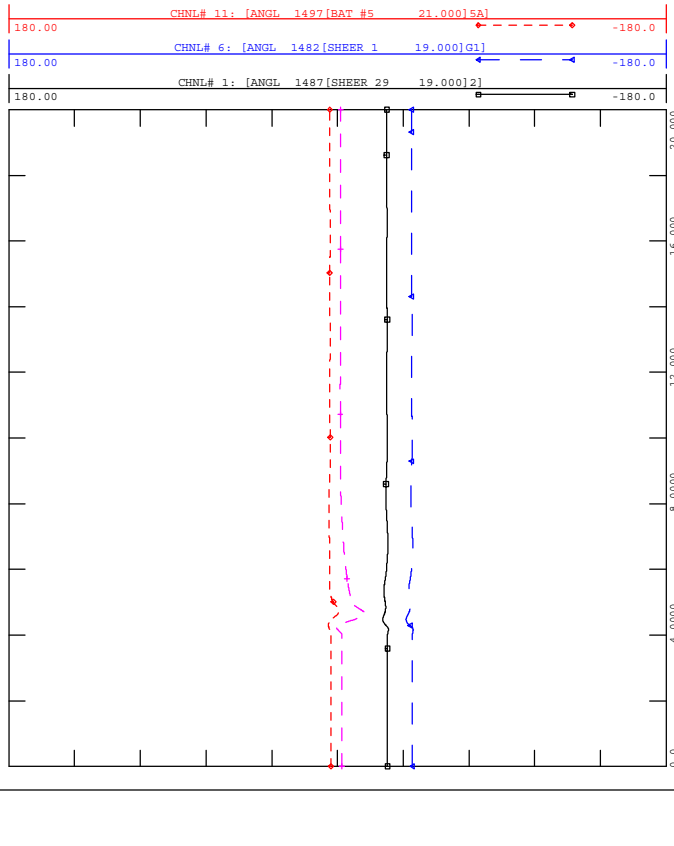


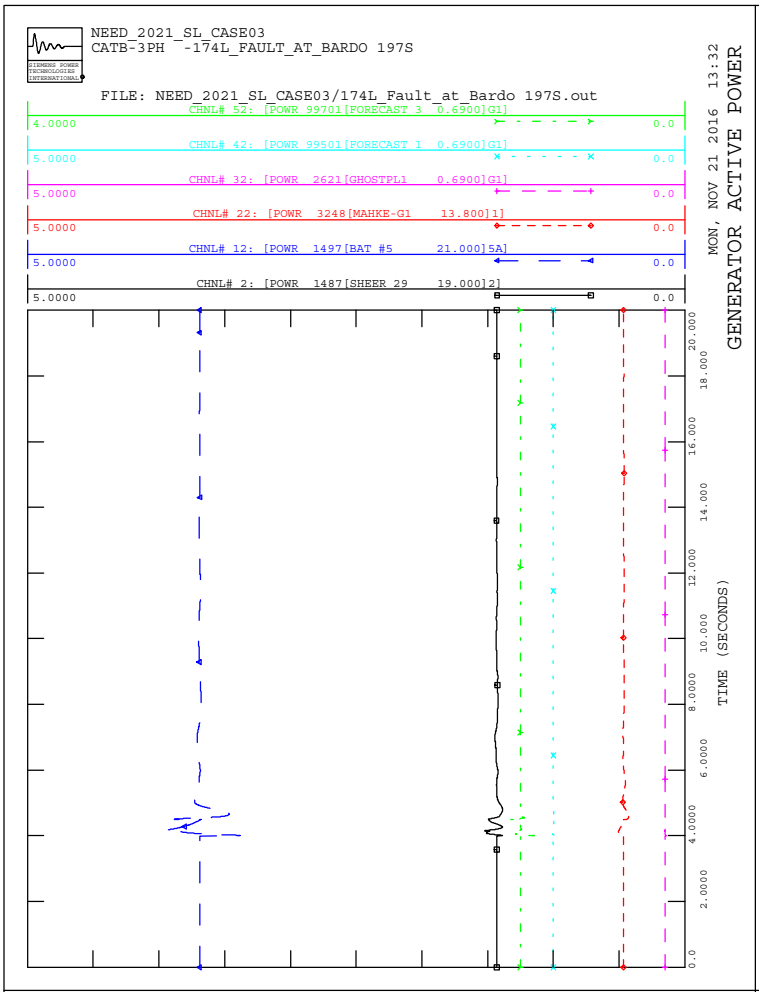
NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_BARDO 197S

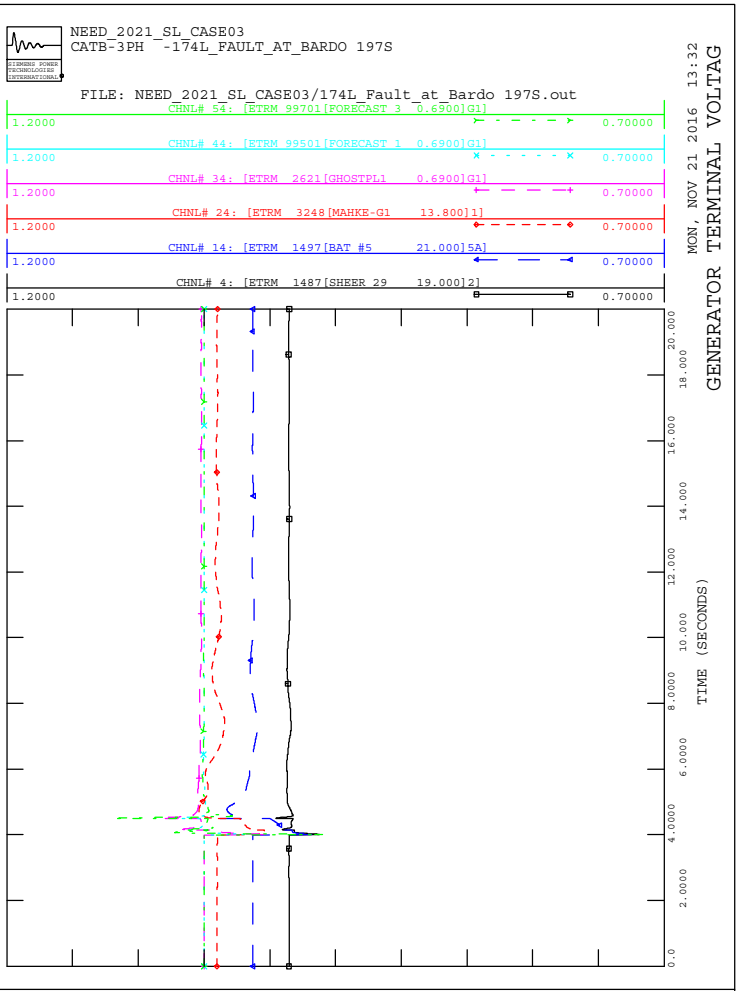
FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out

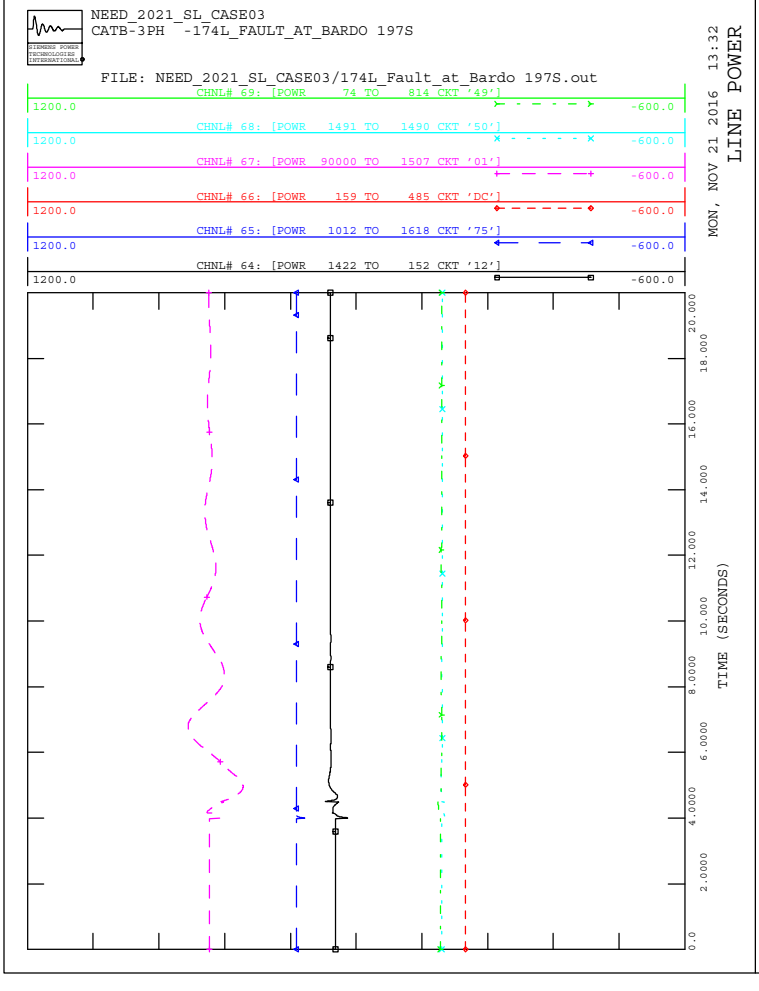
MON, NOV 21 2016 13:32

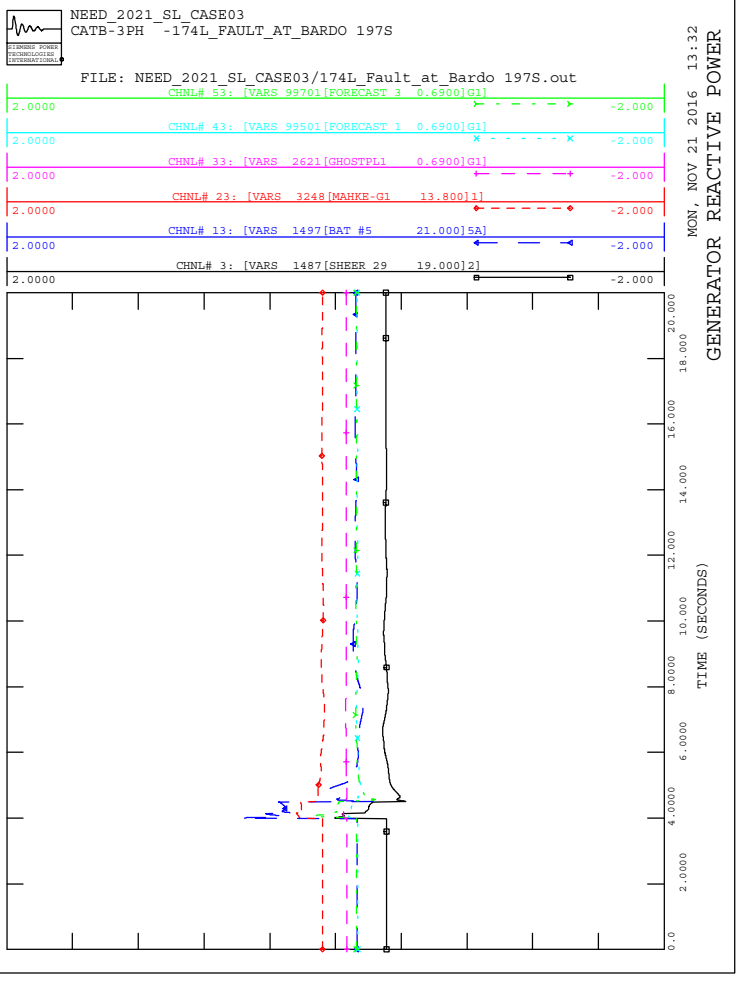
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_BARDO 197S
FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:32
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_BARDO 197S
FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:32
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_BARDO 197S
FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:32
TIME (SECONDS)

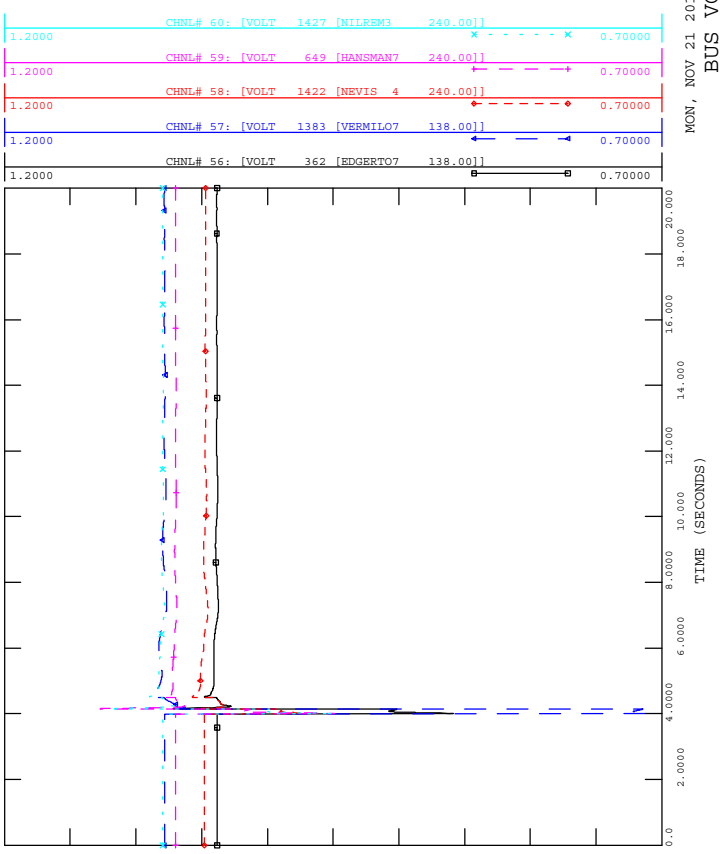

NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_BARDO 197S
FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:32
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

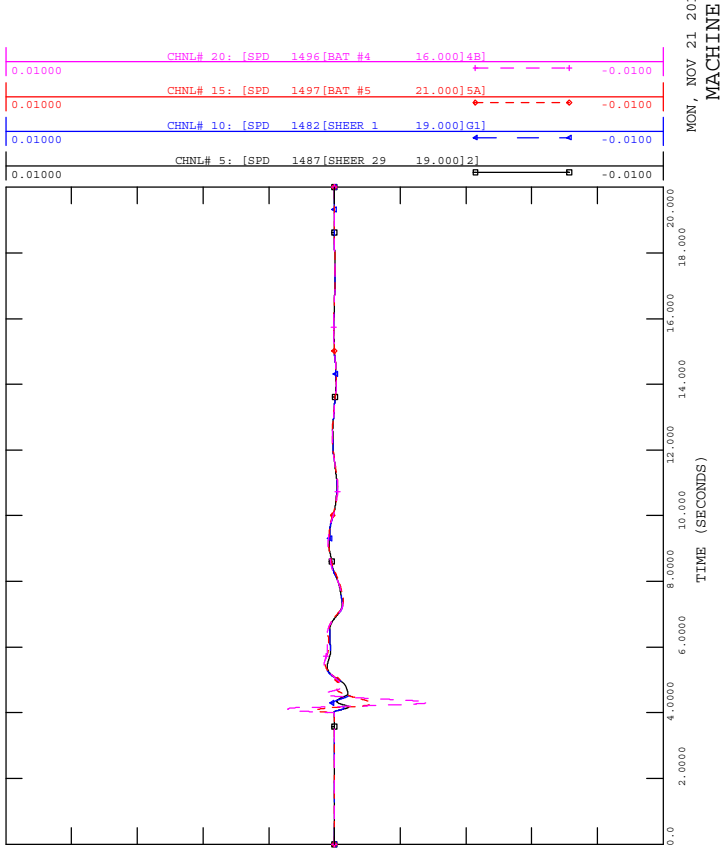


NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

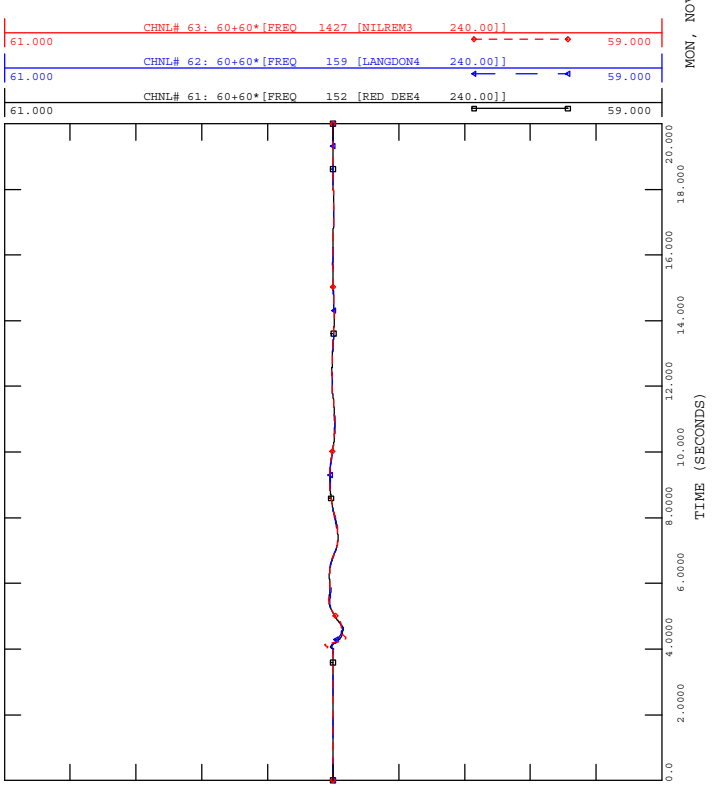


NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:32

FREQUENCY

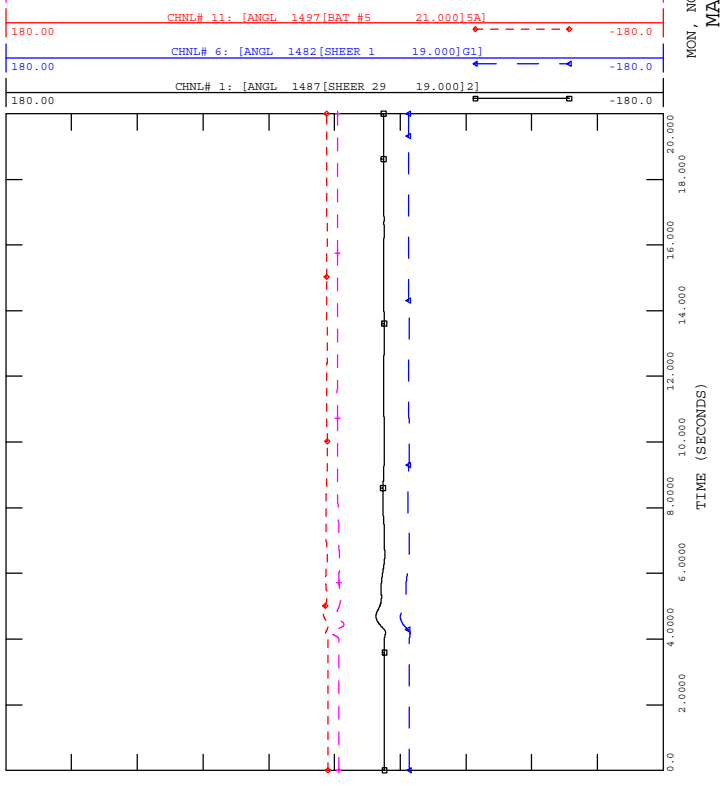


NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:32

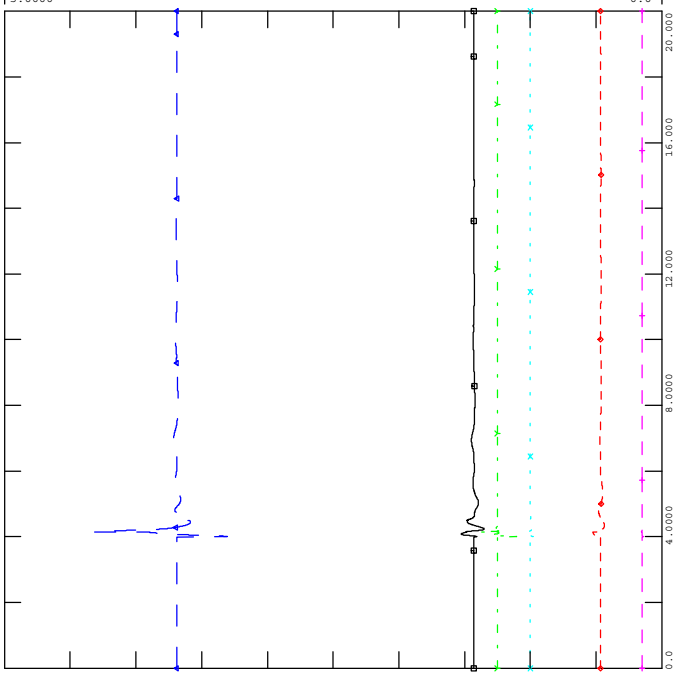
MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

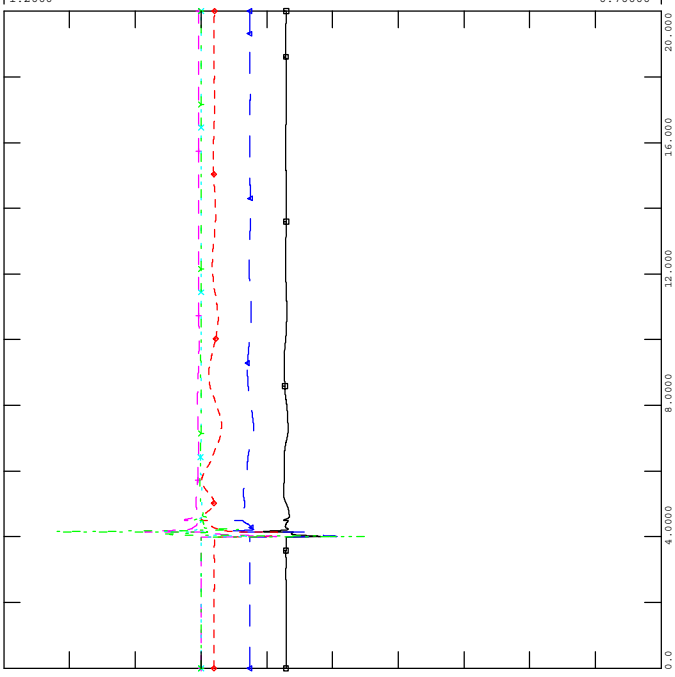


MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

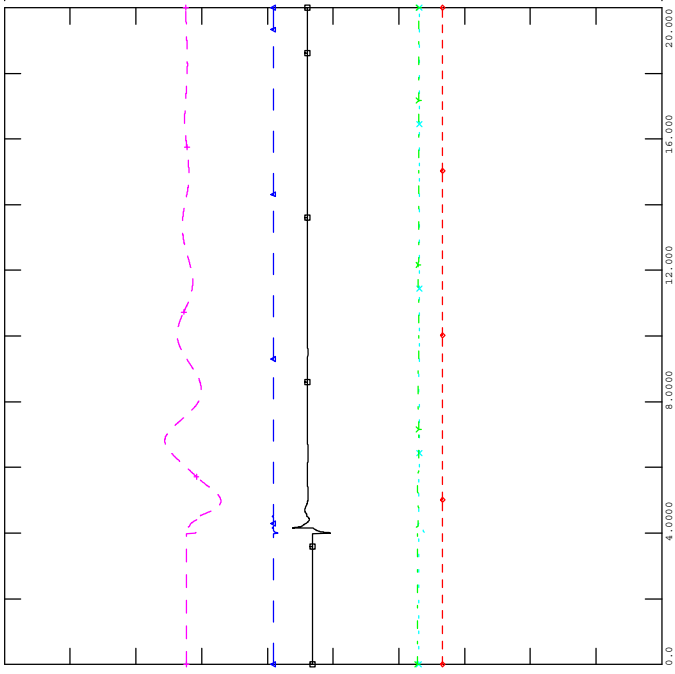


MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

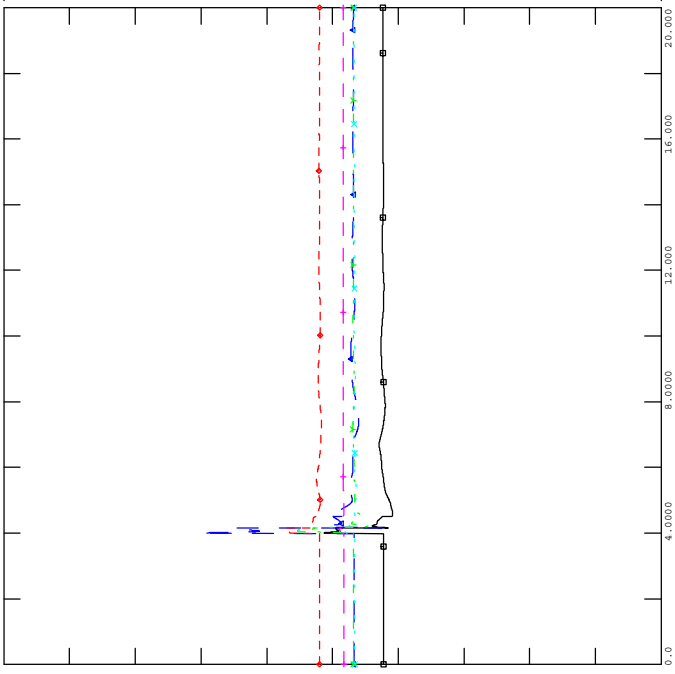


MON, NOV 21 2016 13:32
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



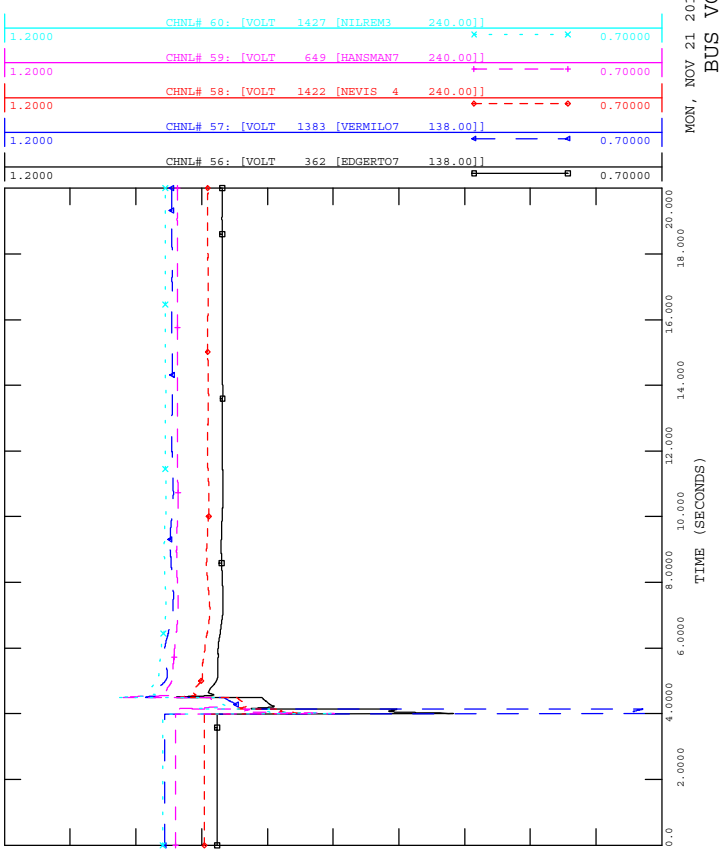
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

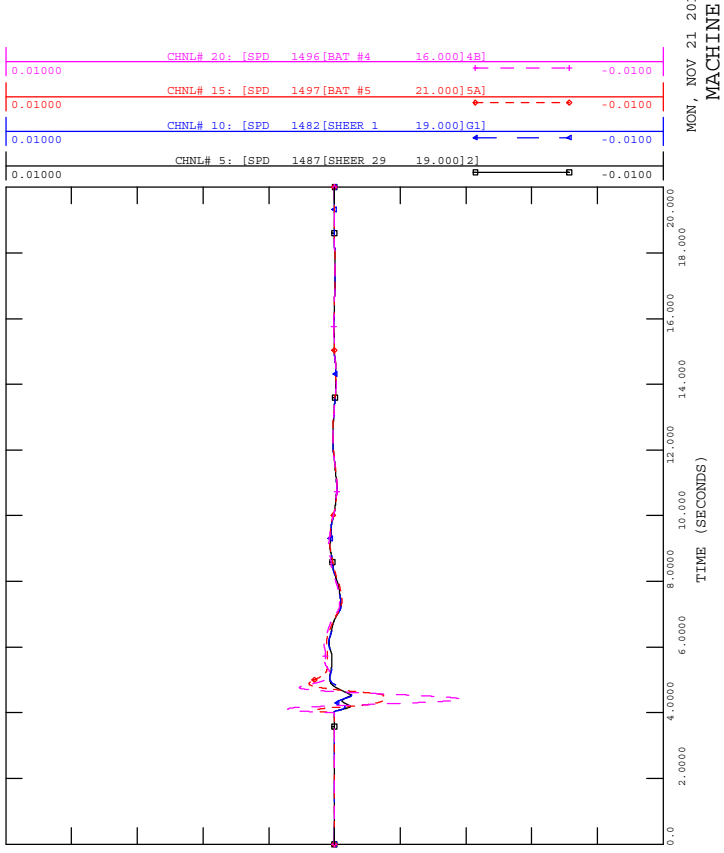


NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

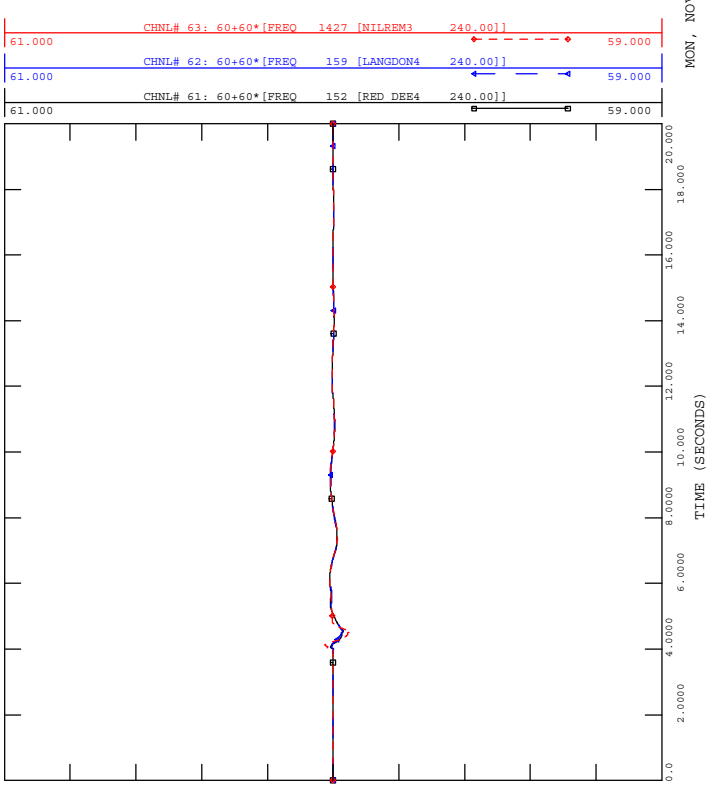


NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:32

FREQUENCY

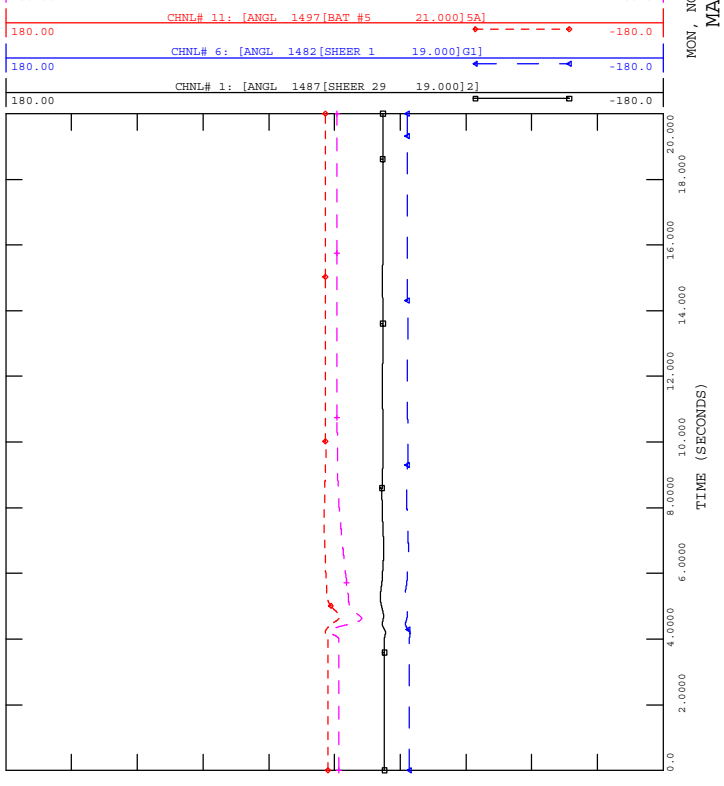


NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out

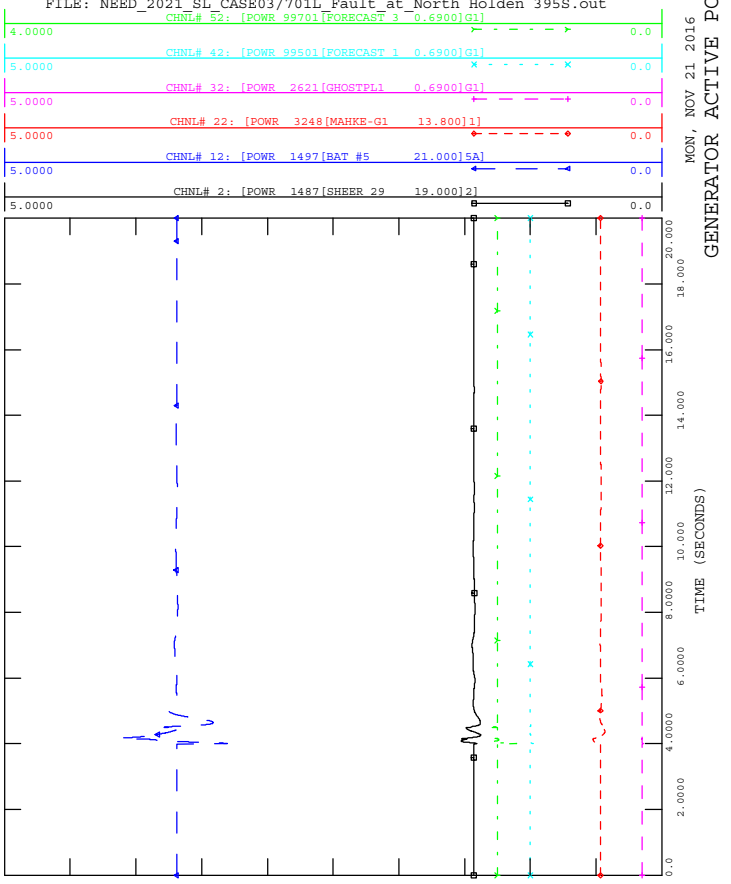
MON, NOV 21 2016 13:32

MACHINE ANGEL



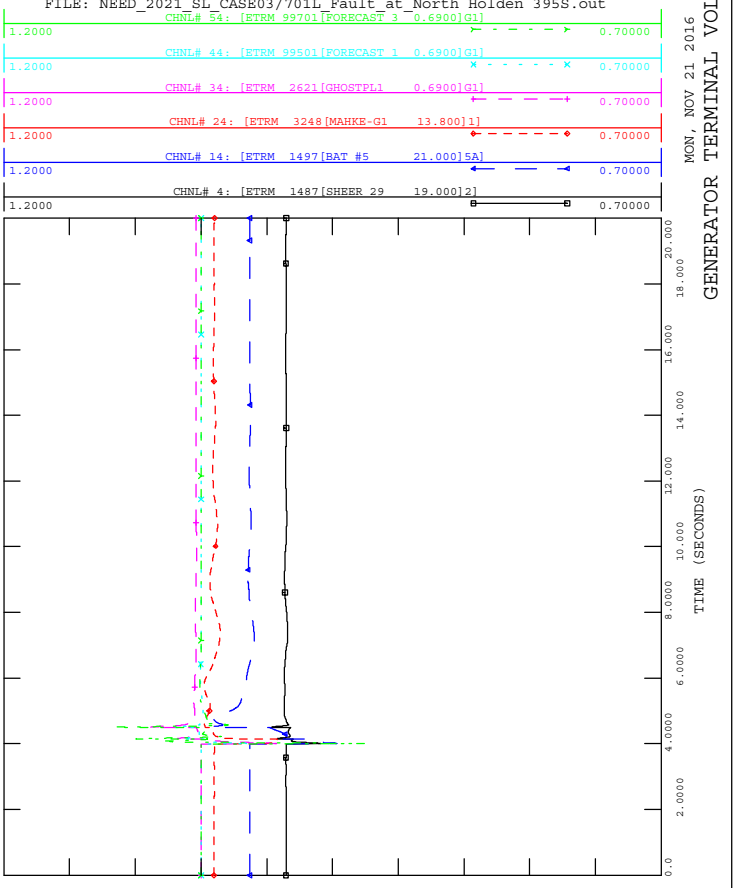
NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out



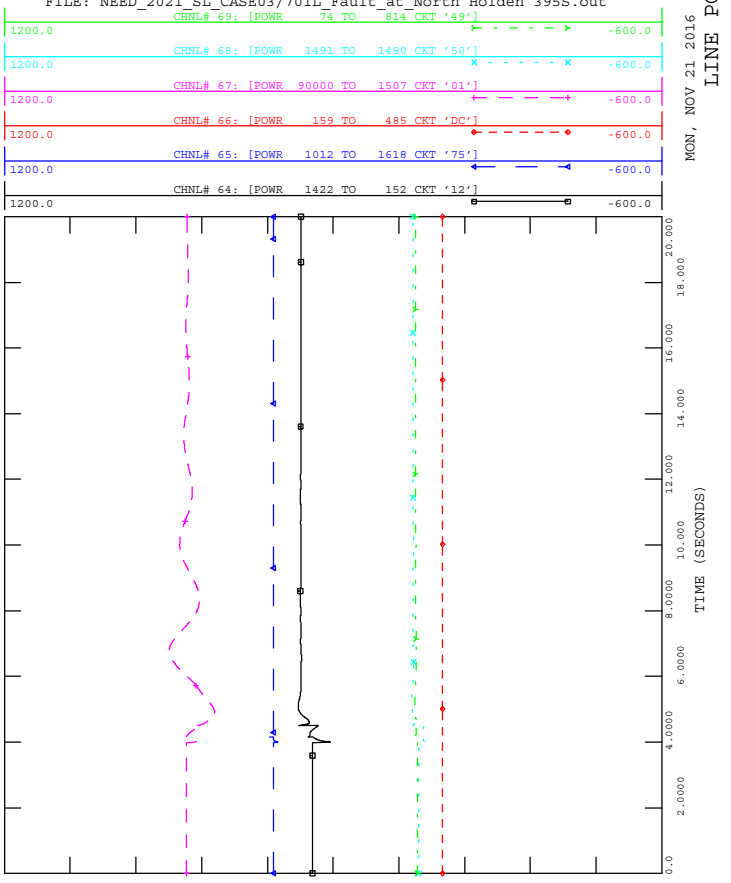
NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out



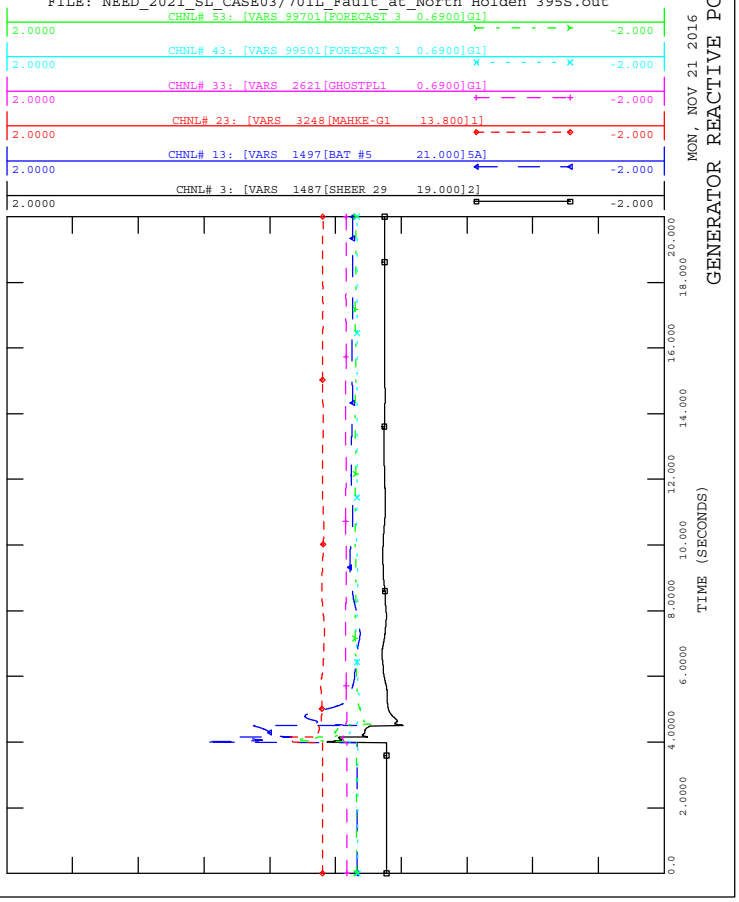
NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out



NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out

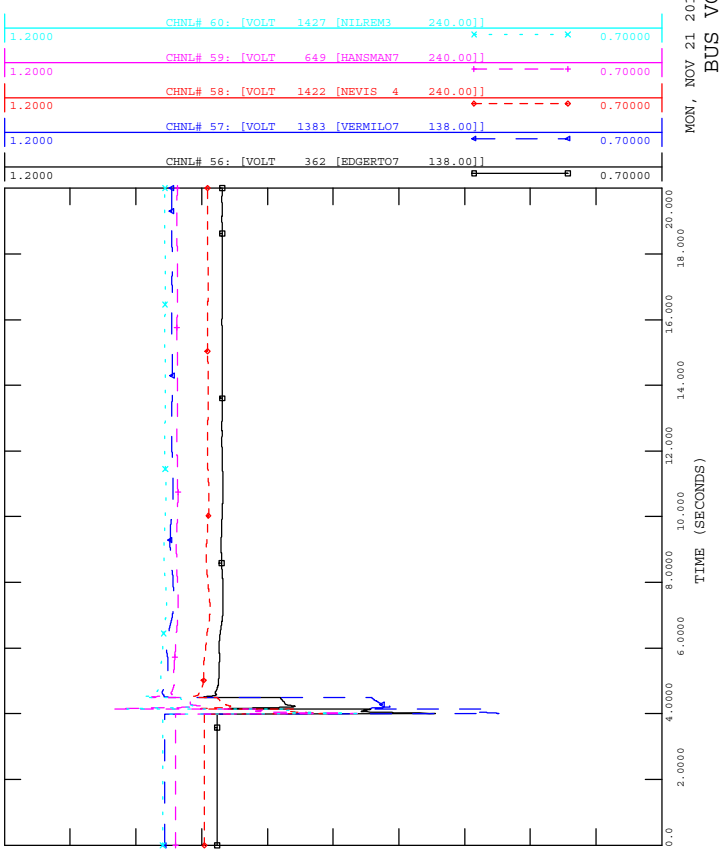


NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

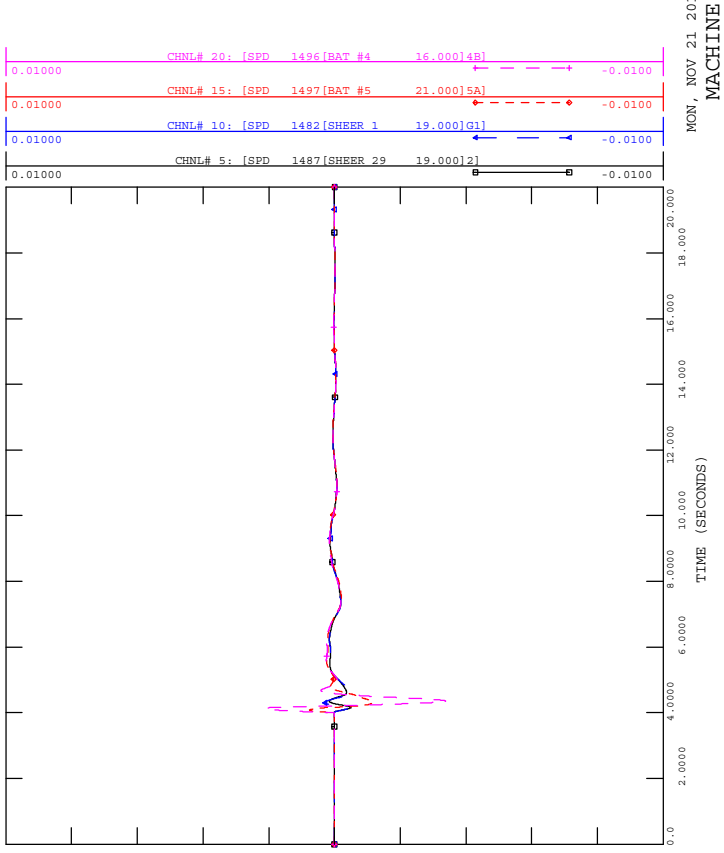


NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

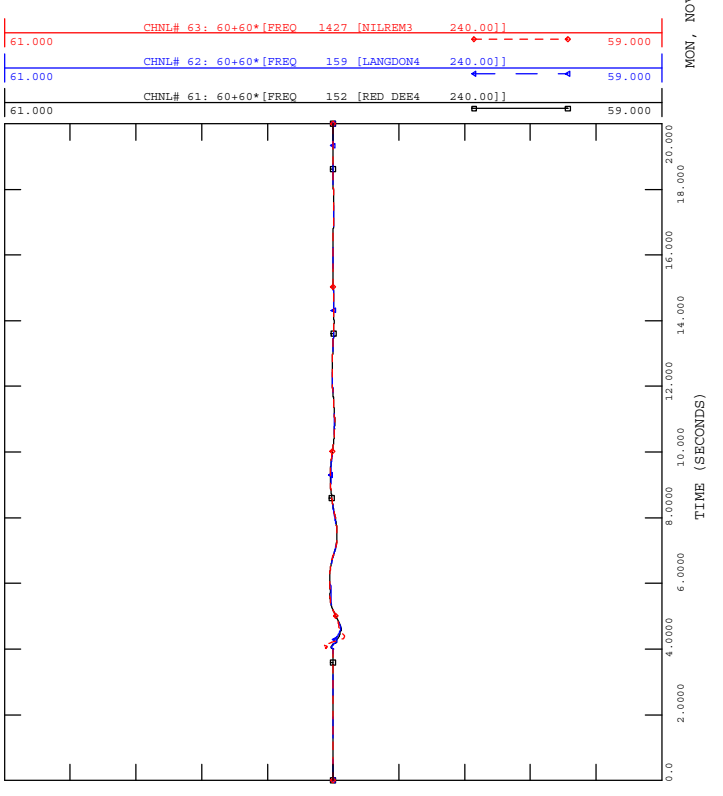


NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out

MON, NOV 21 2016 13:32

FREQUENCY

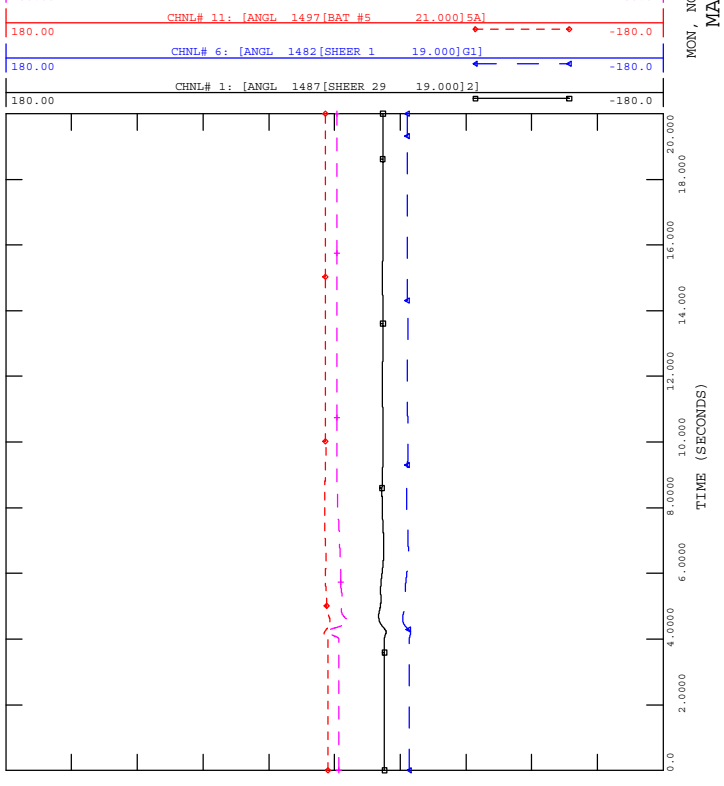


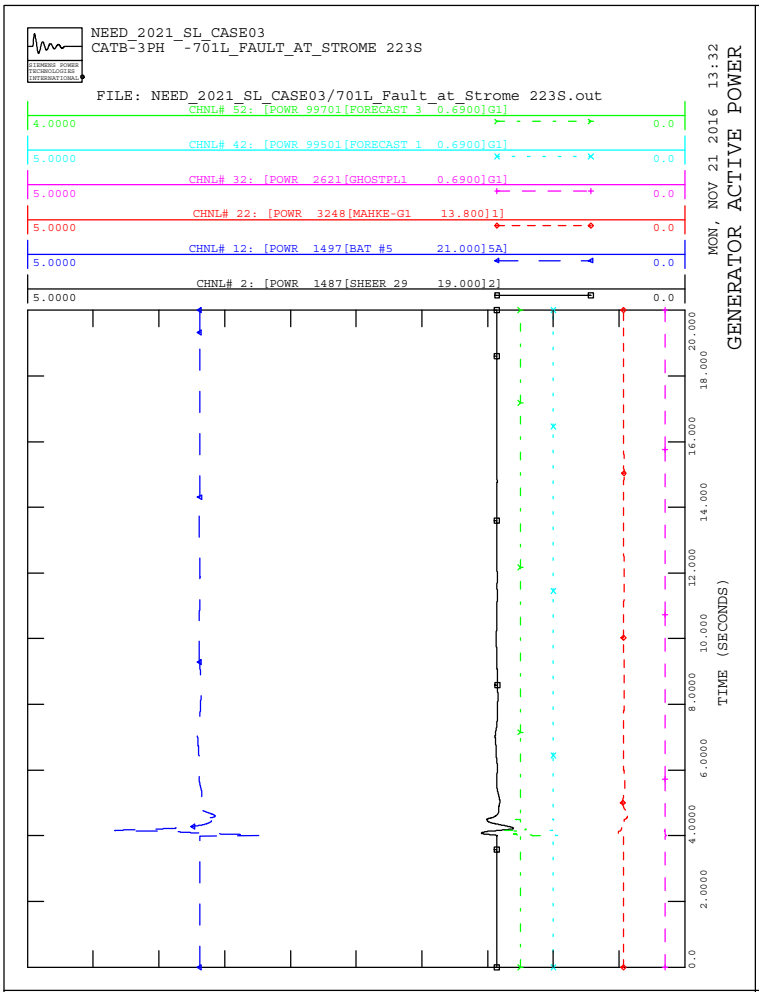
NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_STROME 223S

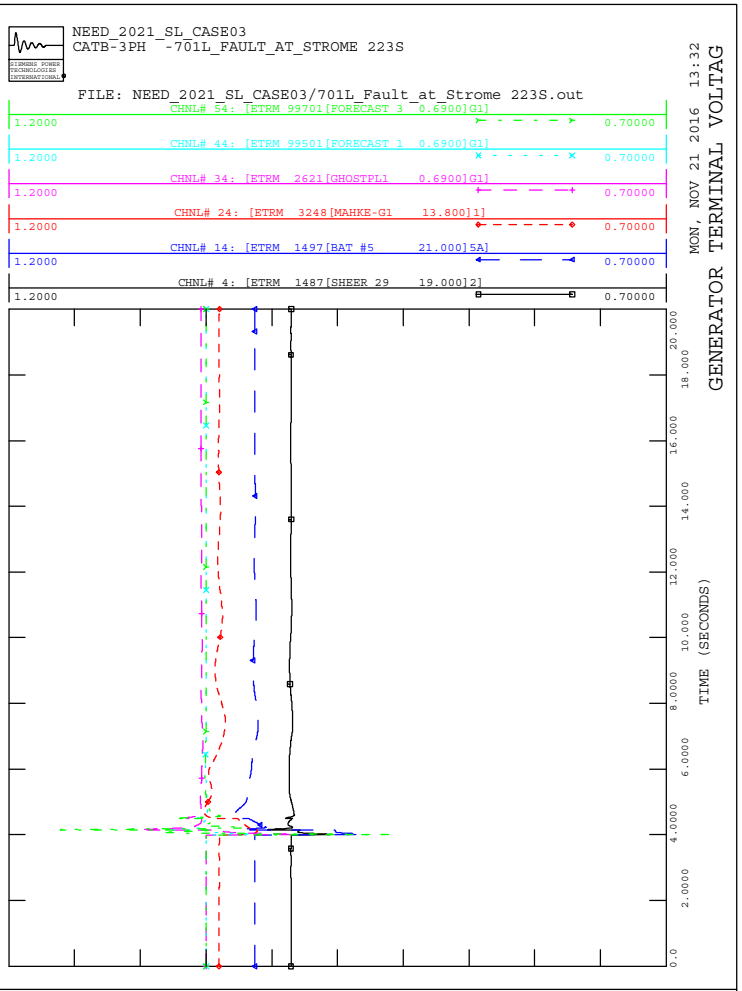
FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out

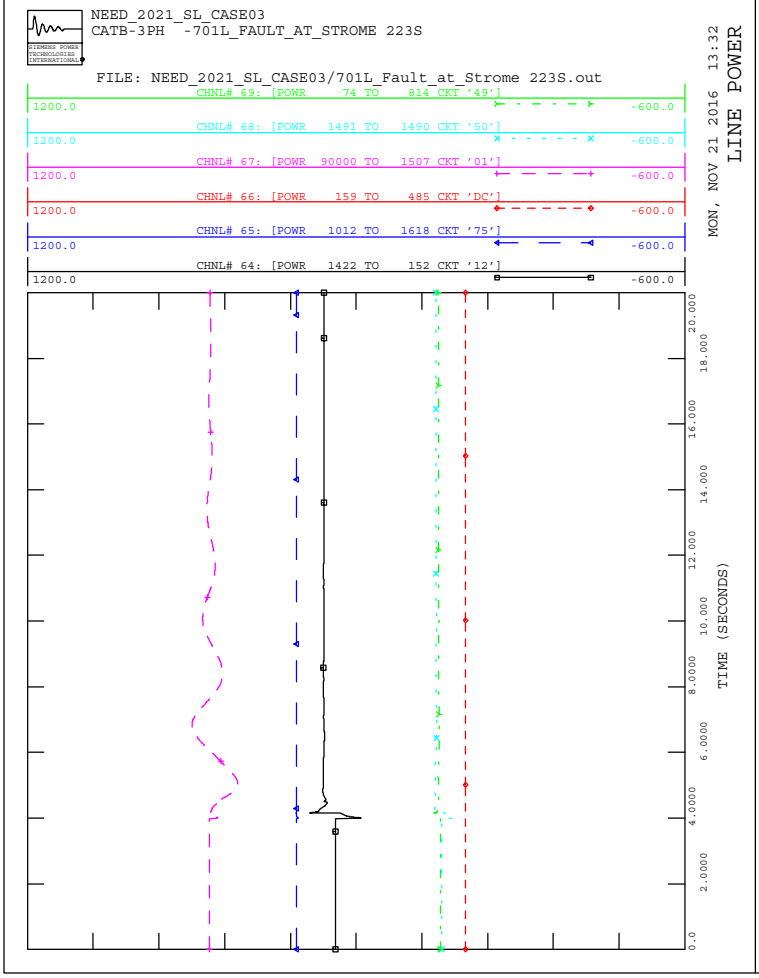
MON, NOV 21 2016 13:32

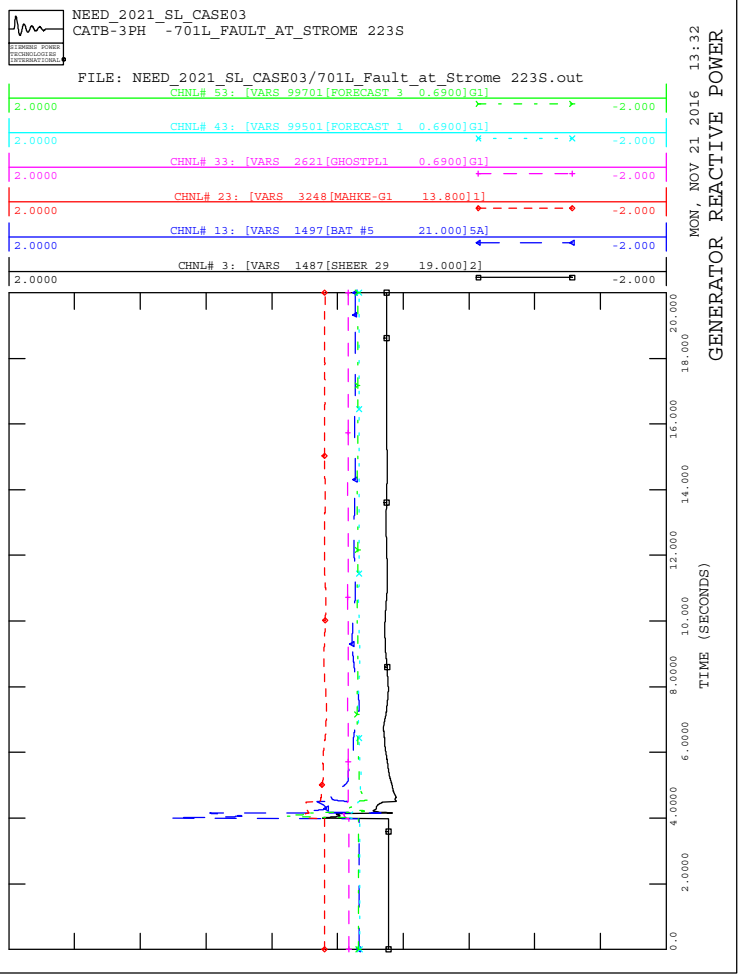
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 21 2016 13:32
LINE POWER

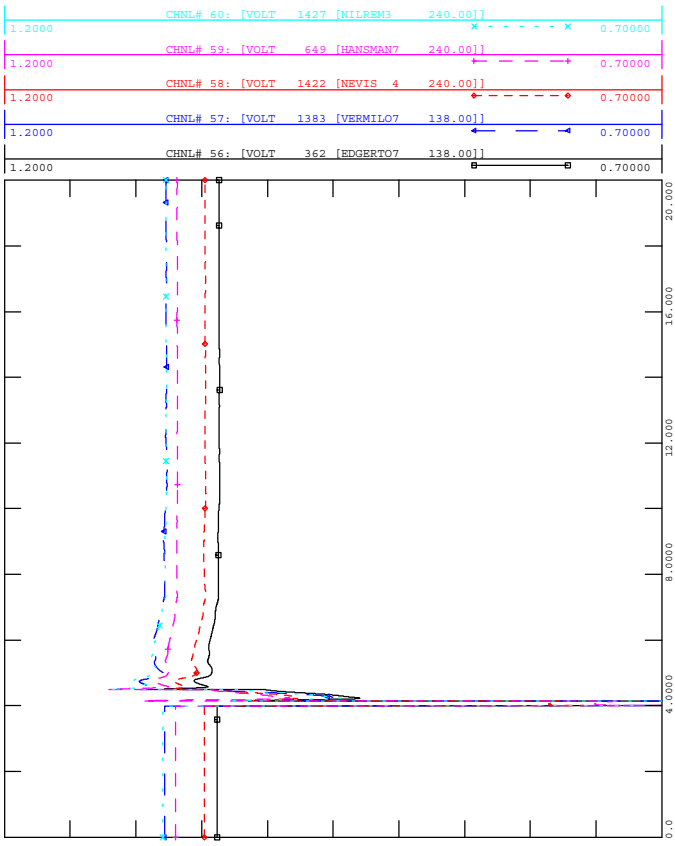

NEED_2021_SL_CASE03
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

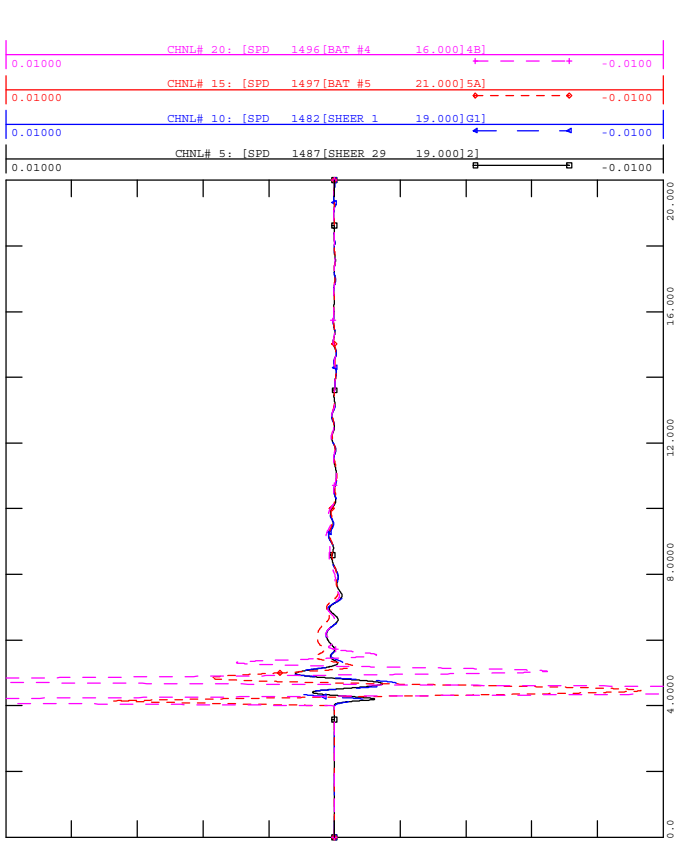


NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

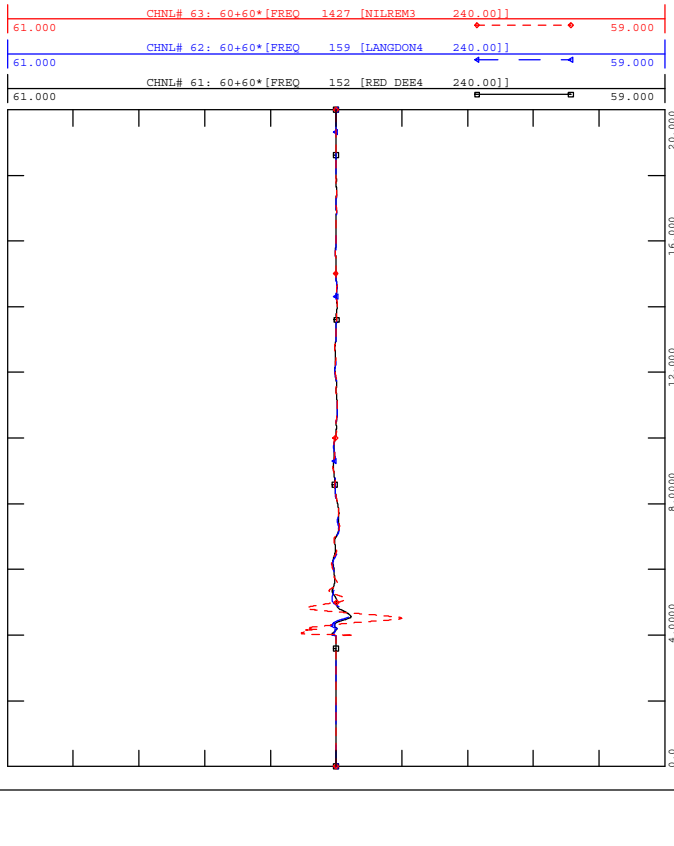


NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:32

FREQUENCY

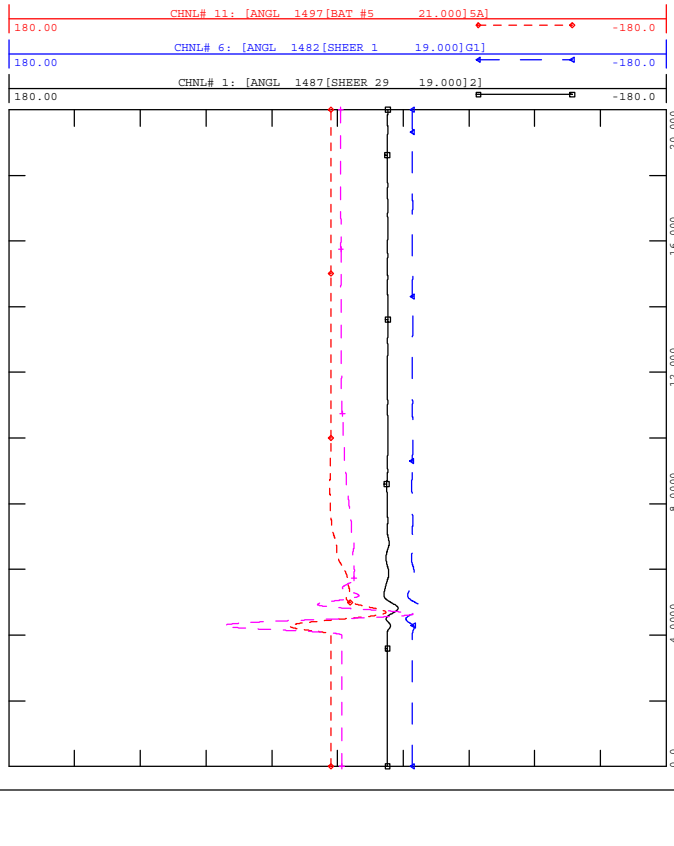


NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out

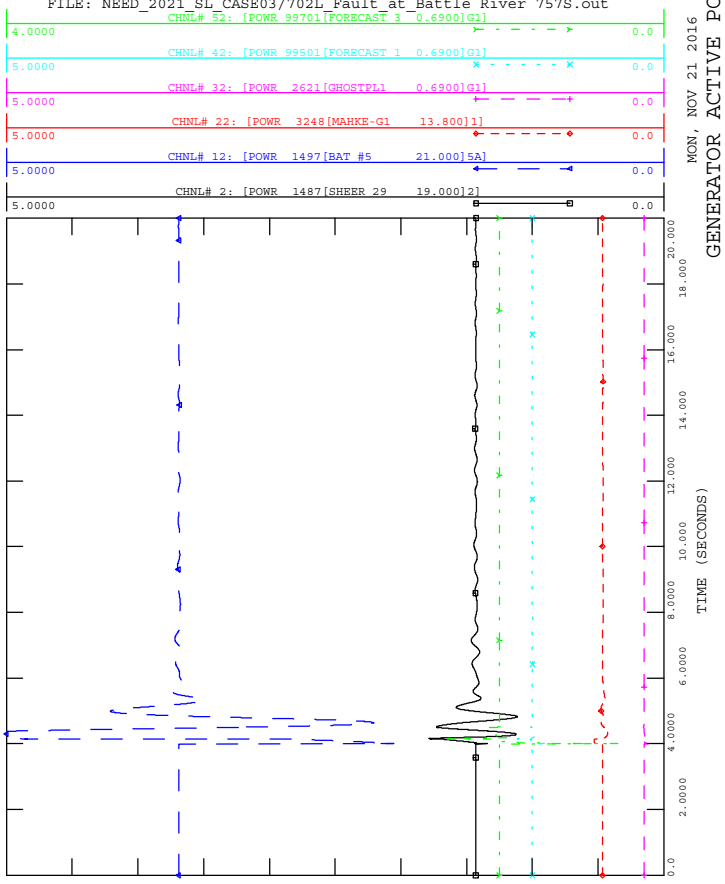
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

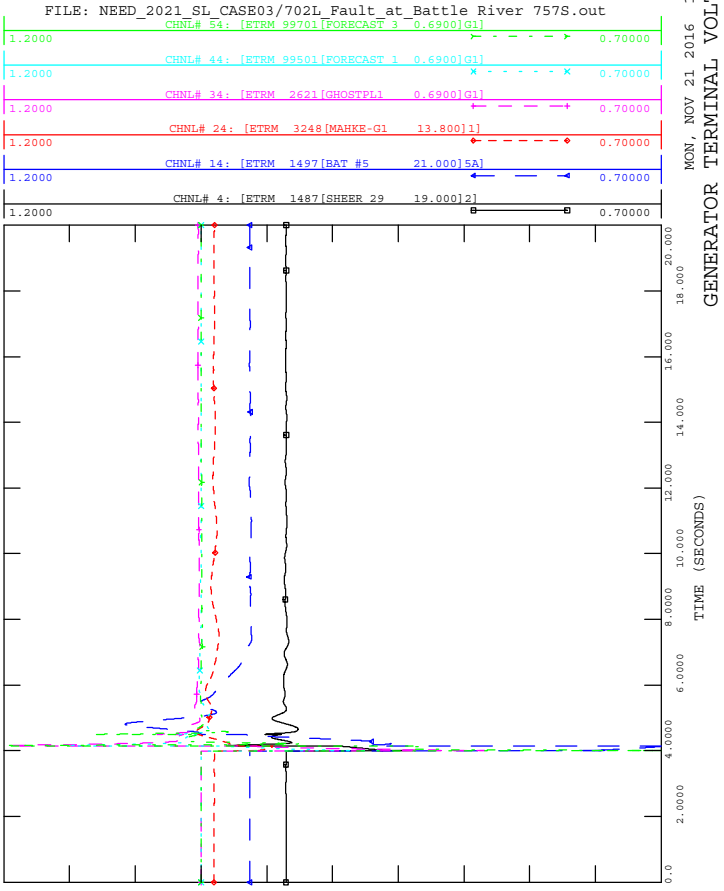
FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out



MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

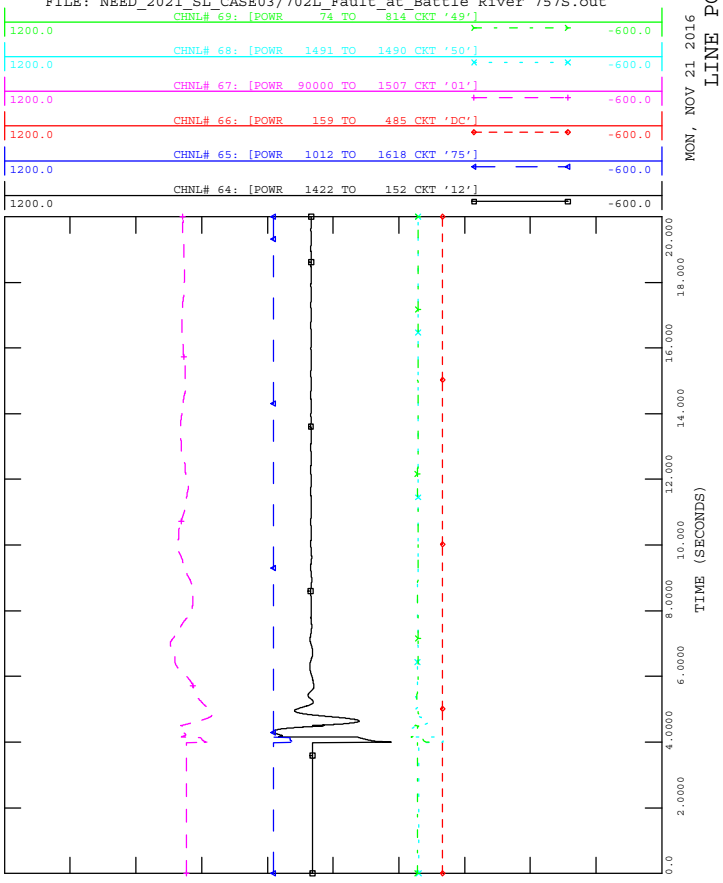
FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out



MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

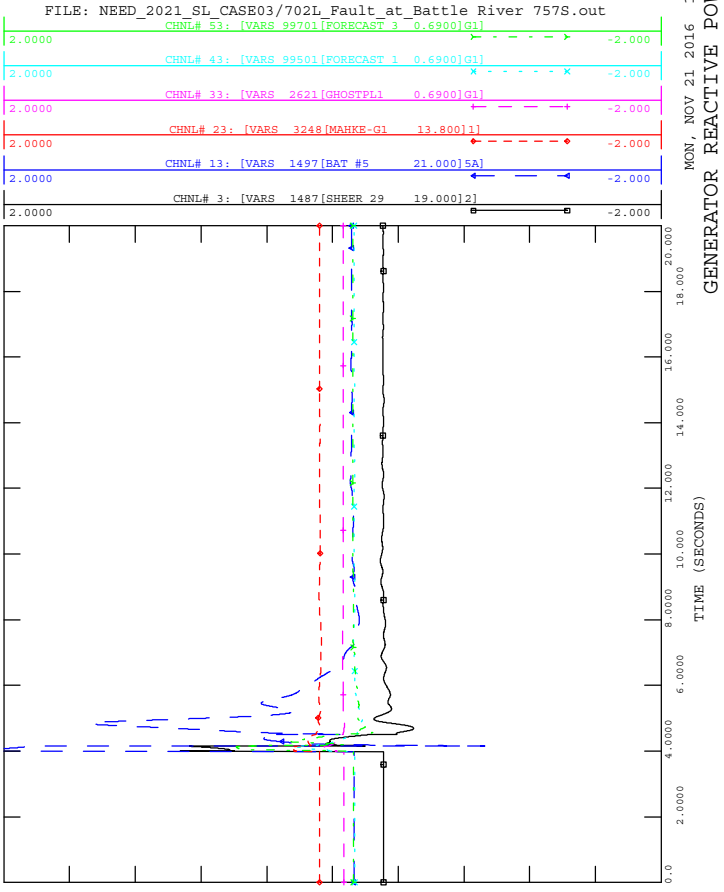
FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out



MON, NOV 21 2016 13:32
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out



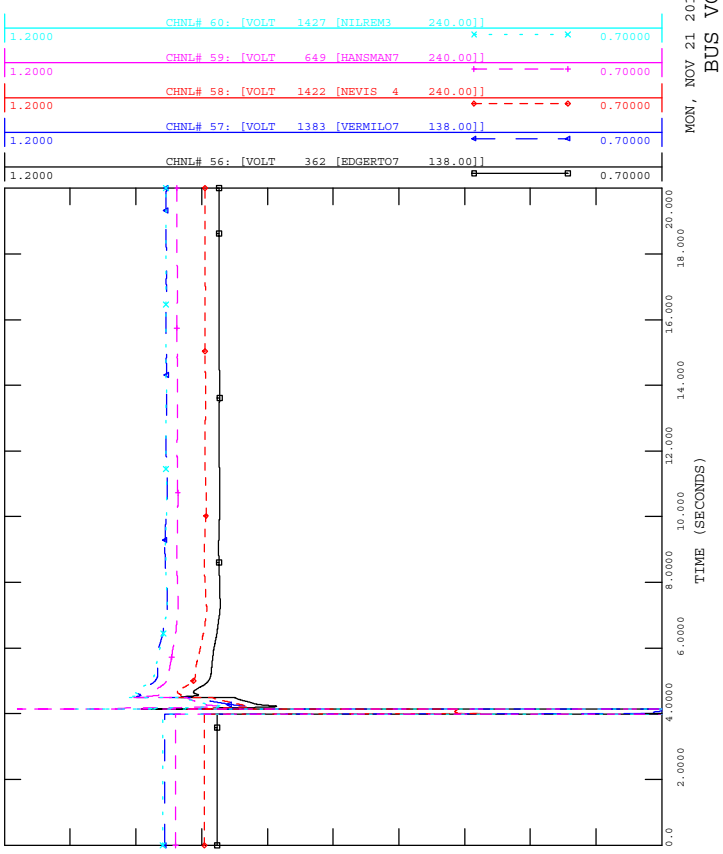
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

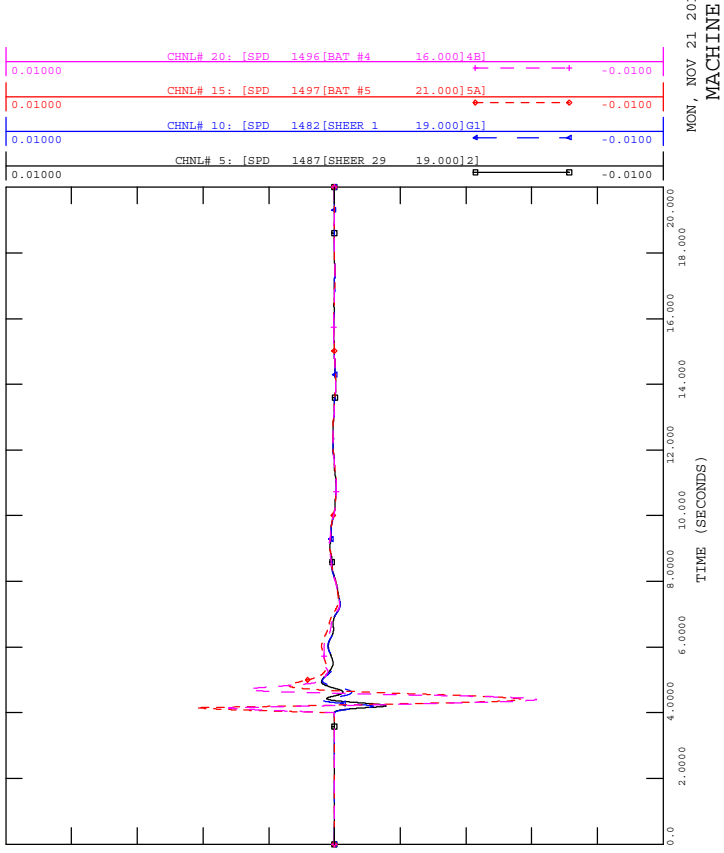


NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

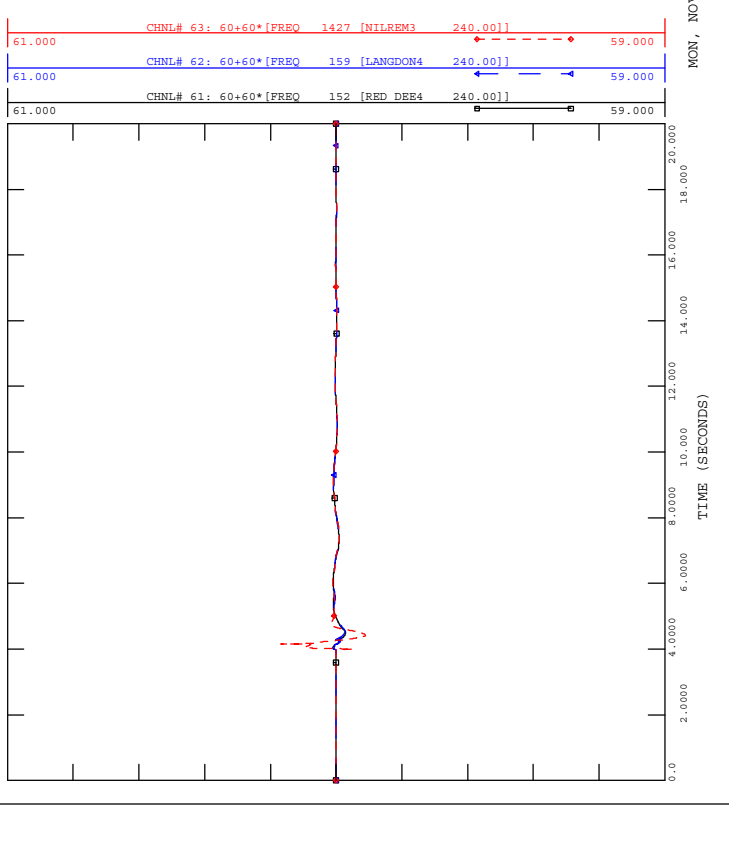


NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 13:32

FREQUENCY

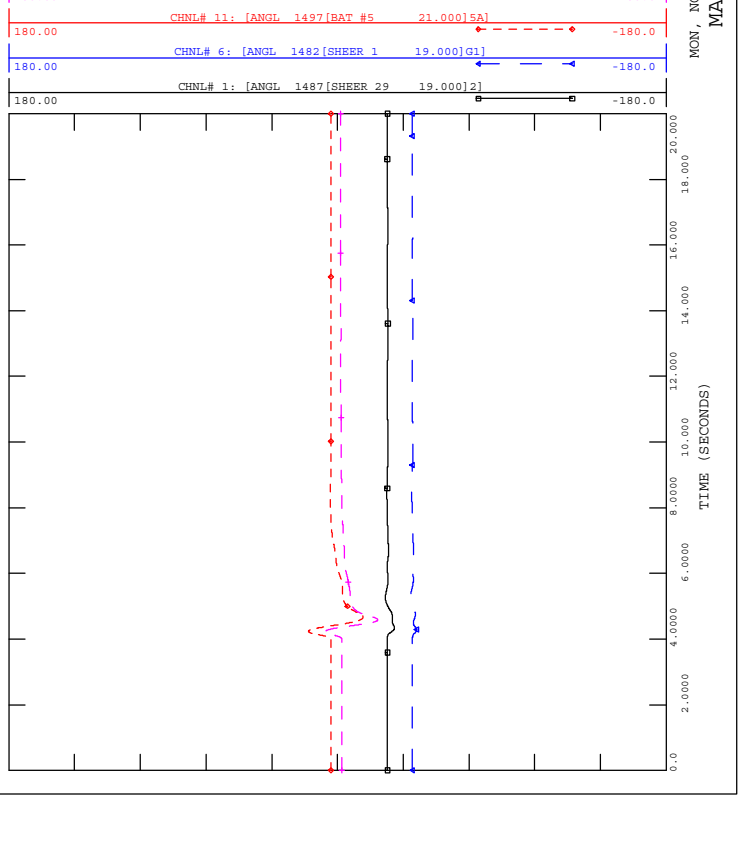


NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out

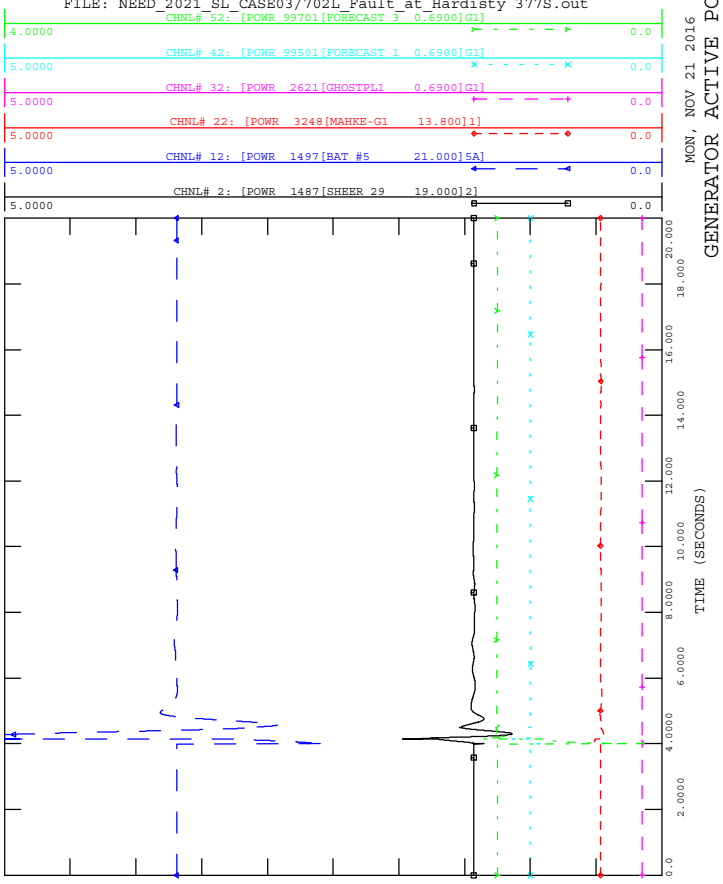
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out

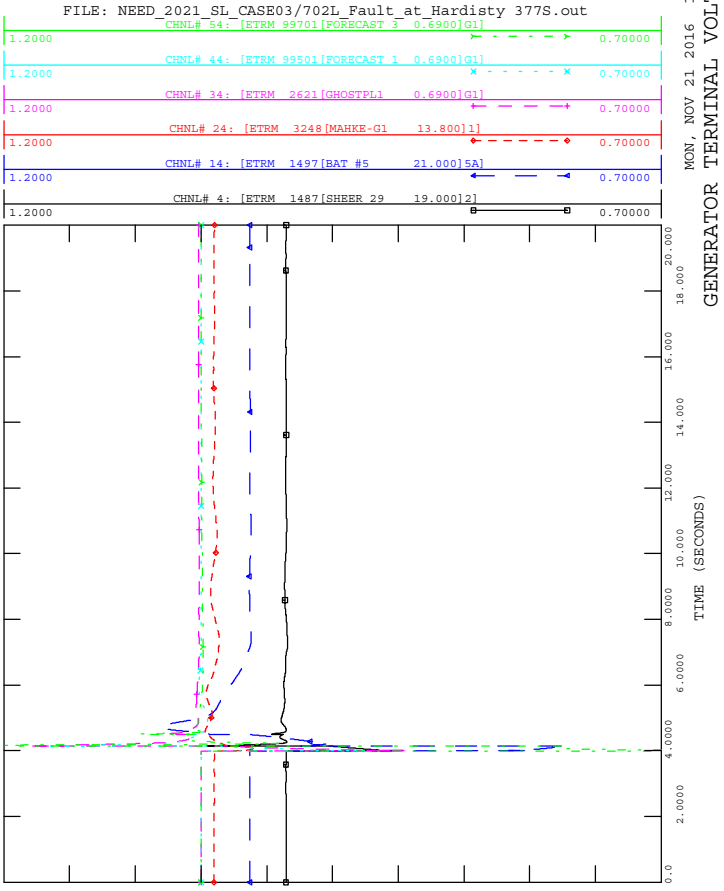


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out

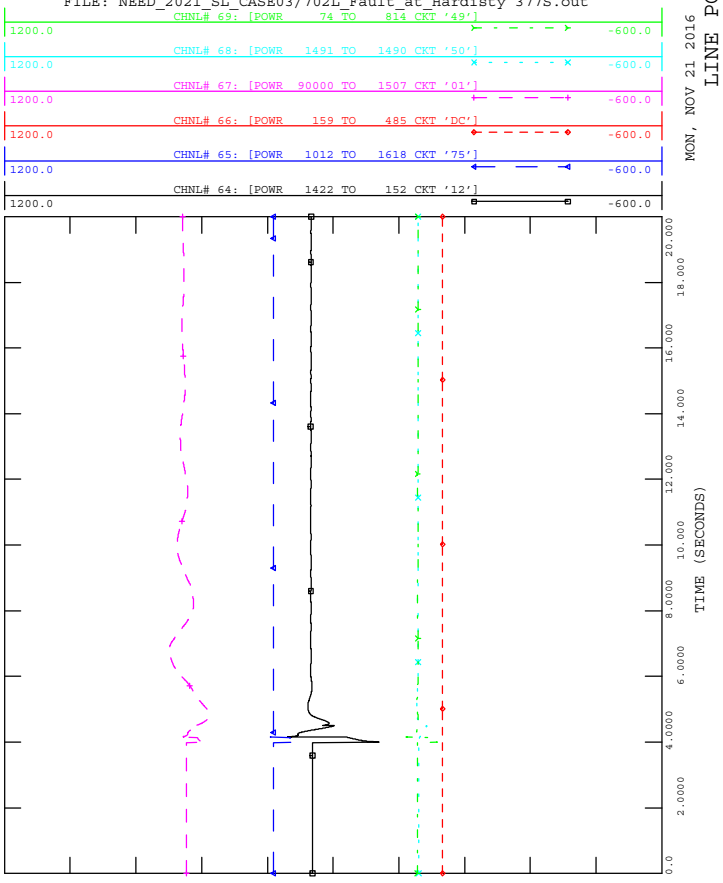


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out

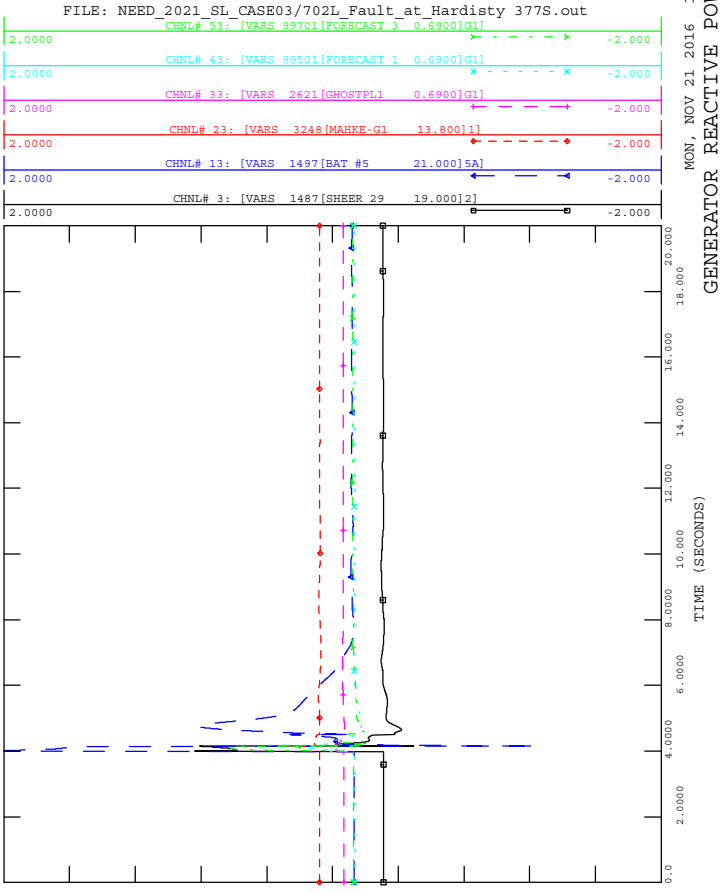


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 13:32

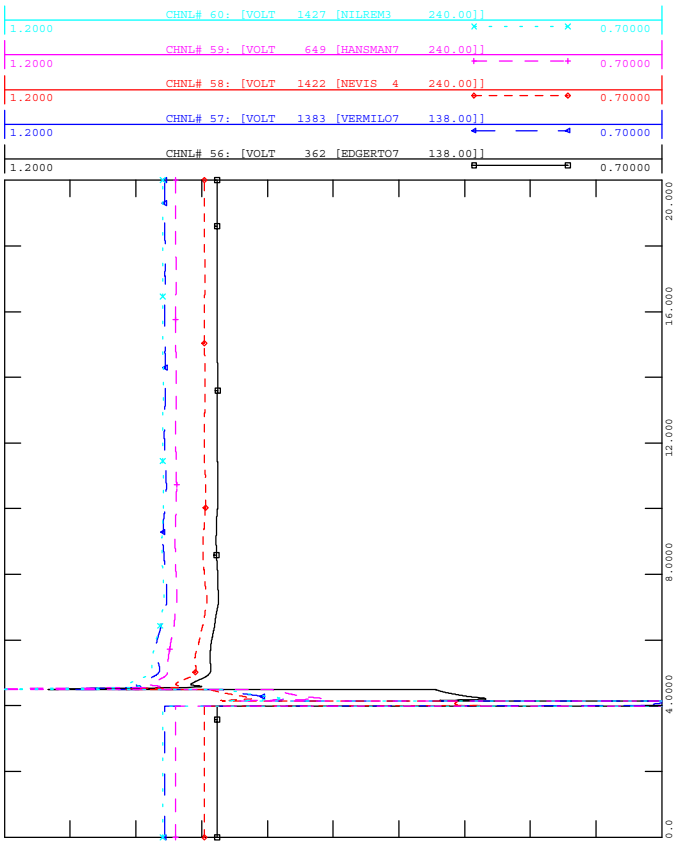
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

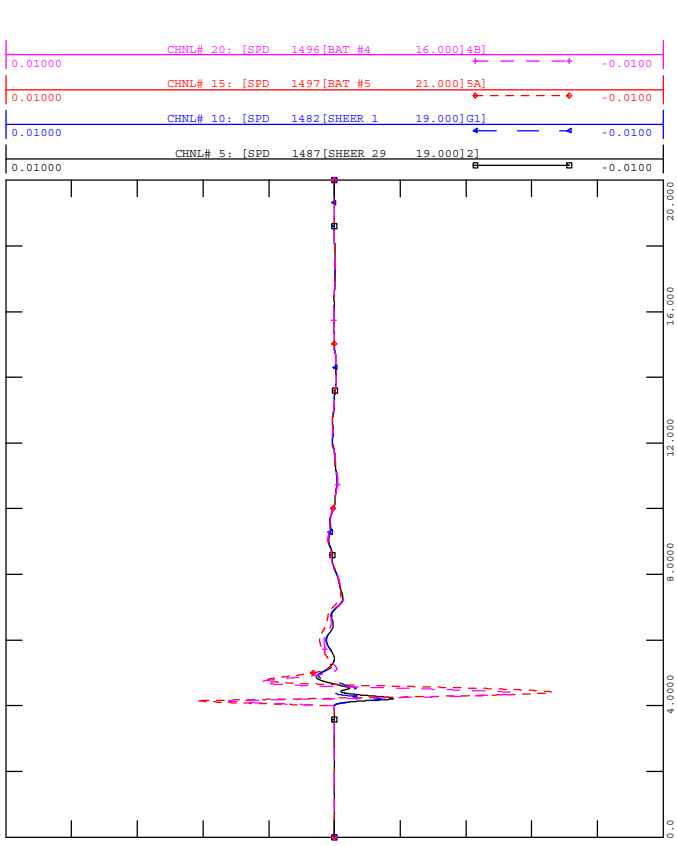


NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

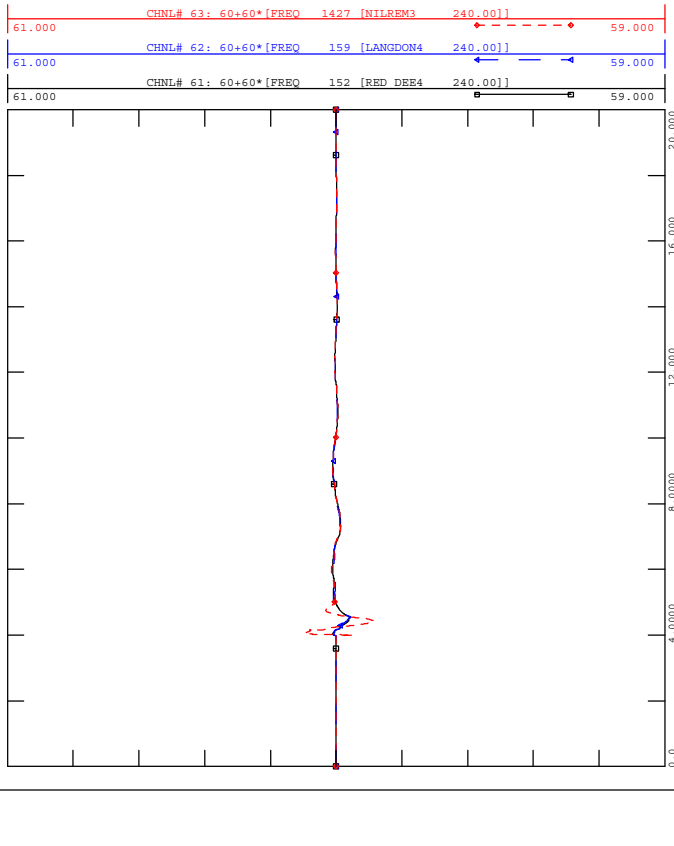


NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 13:32

FREQUENCY

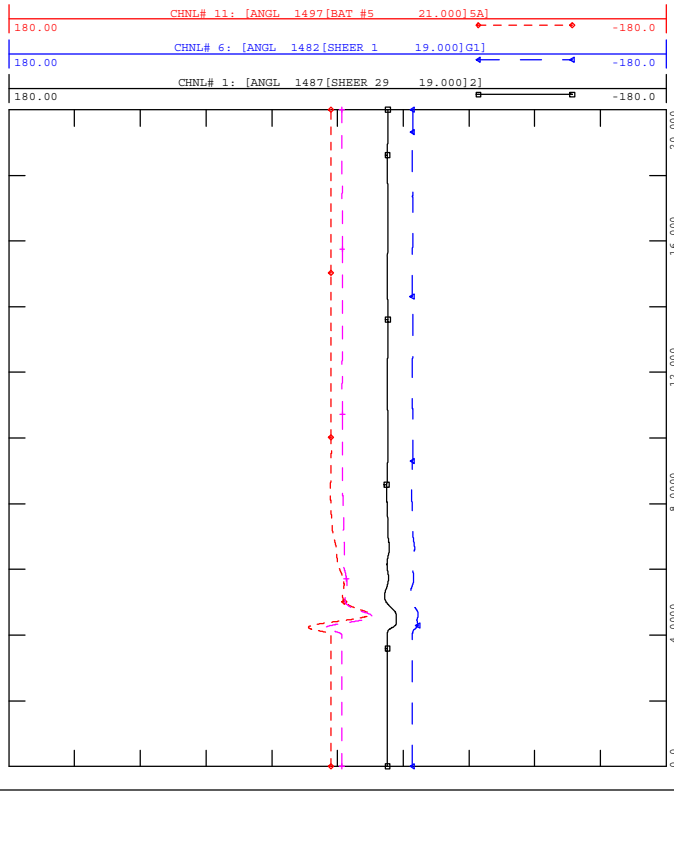


NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out

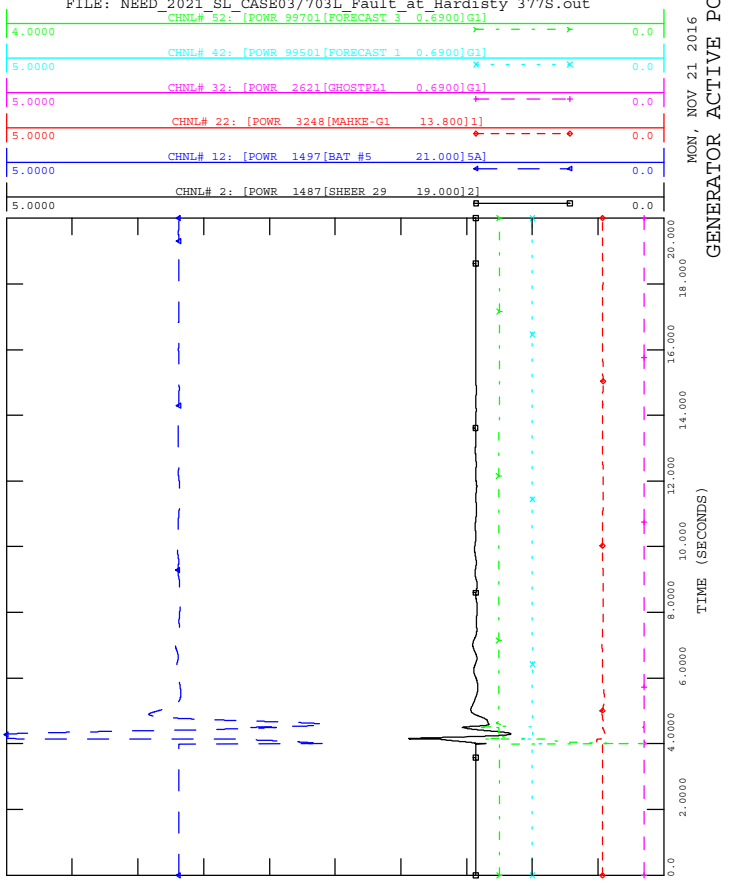
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

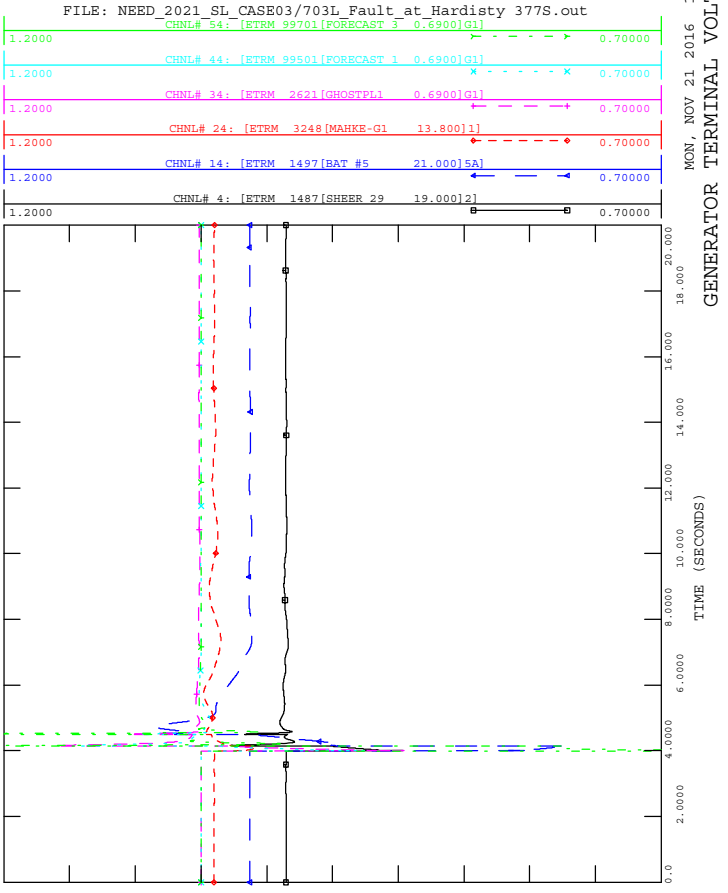
FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

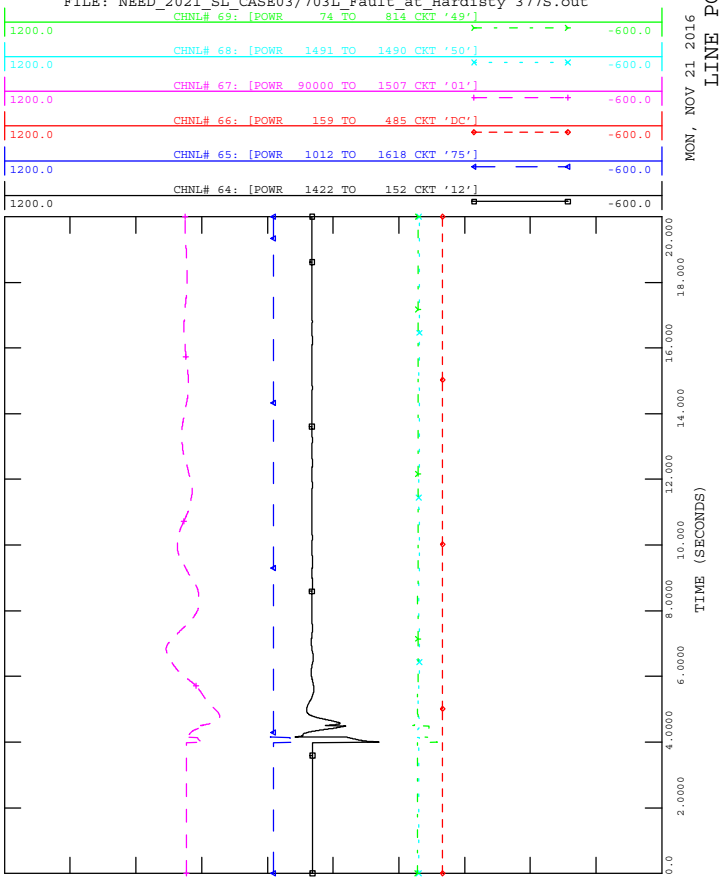
FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

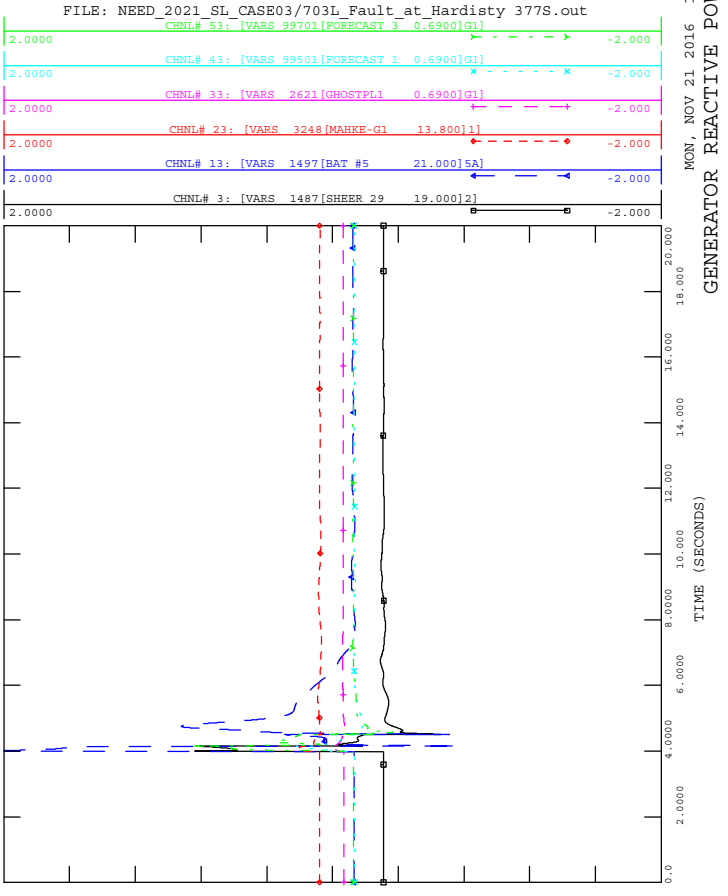
FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 13:32
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out



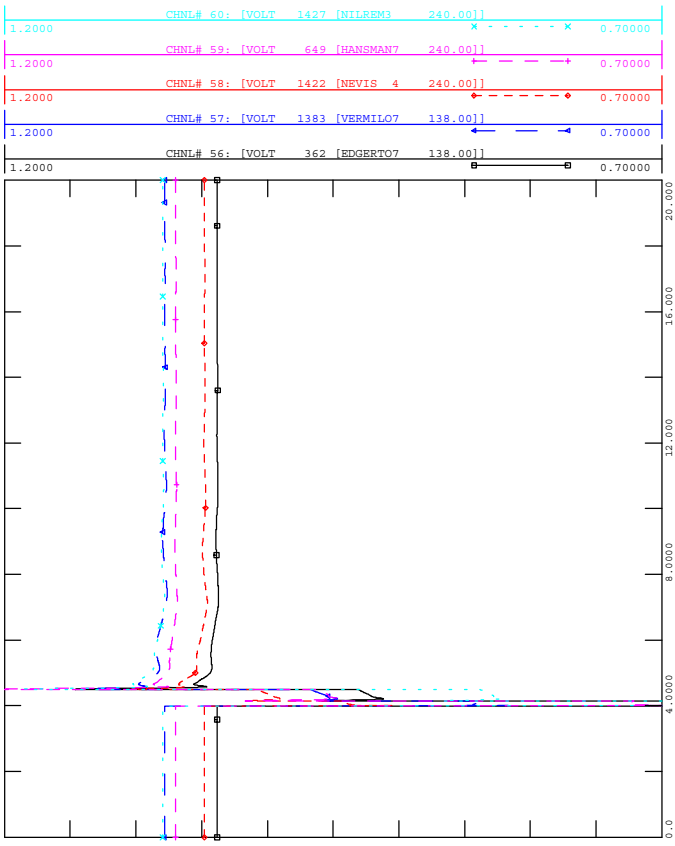
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

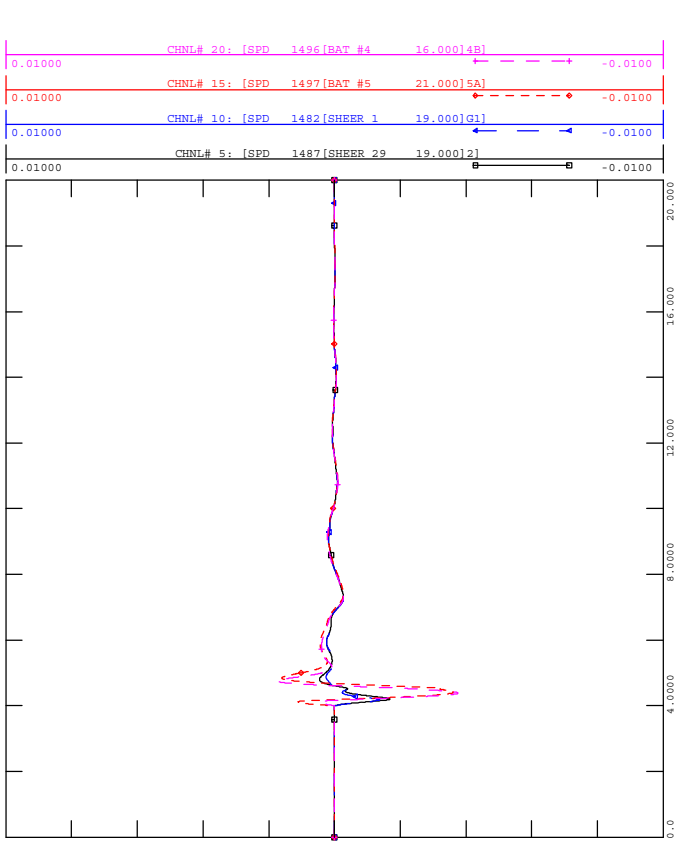


NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

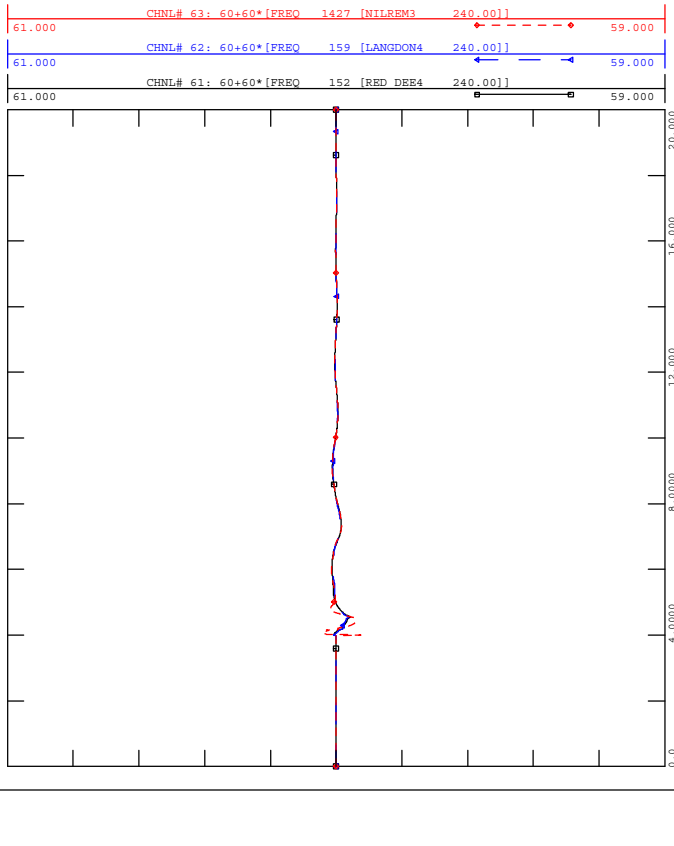


NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 13:32

FREQUENCY

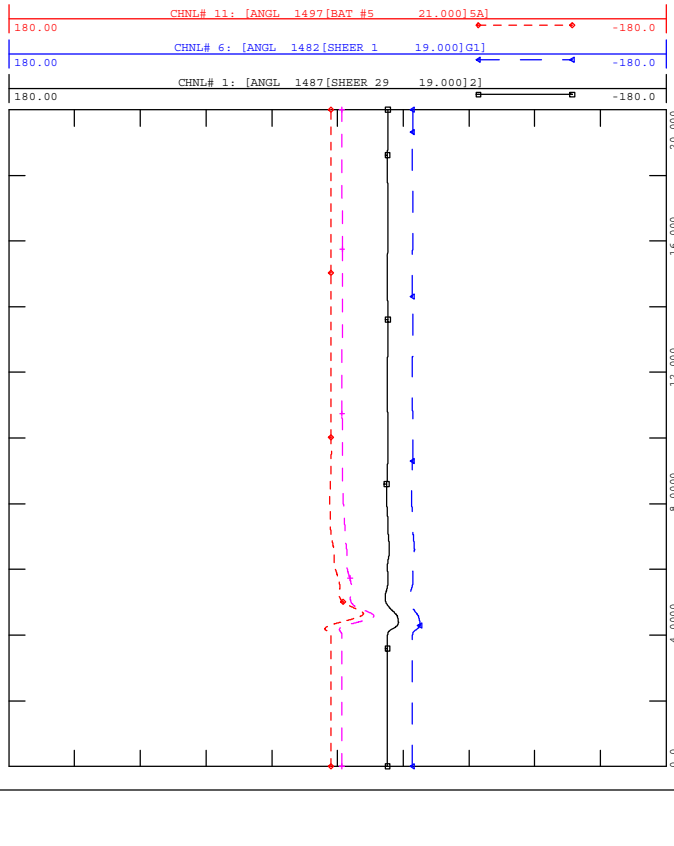


NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

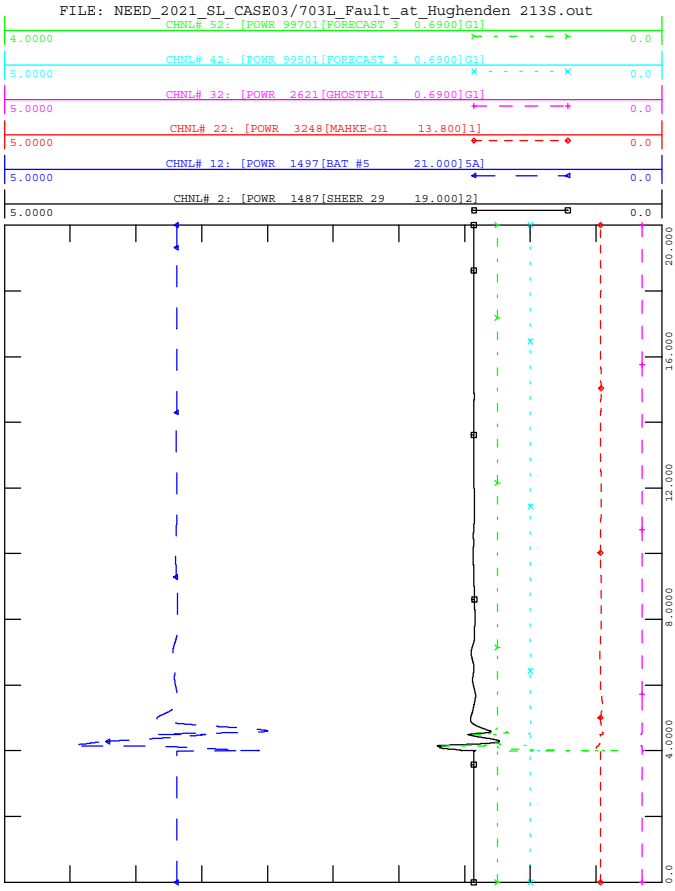
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

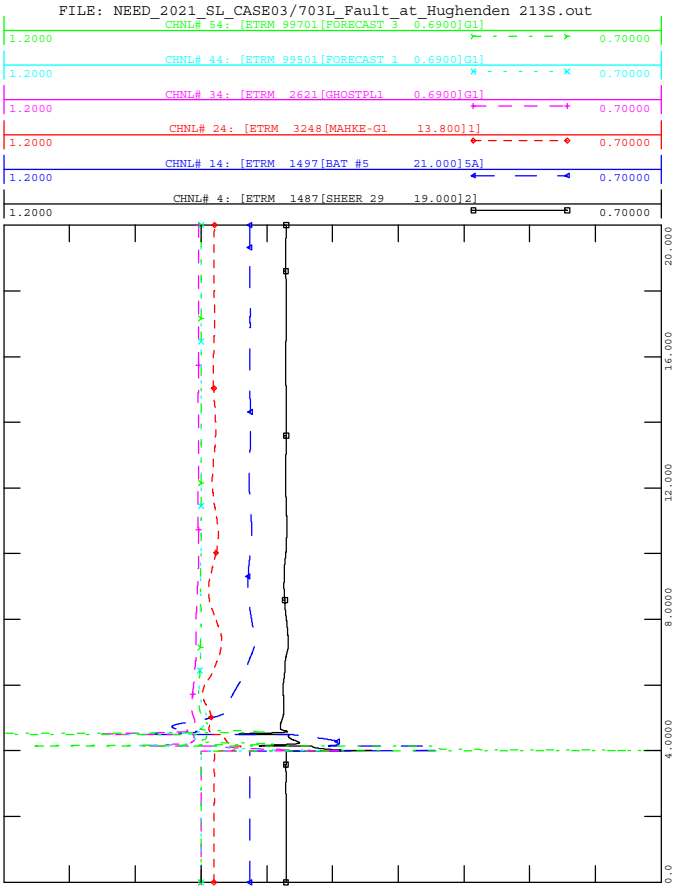


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

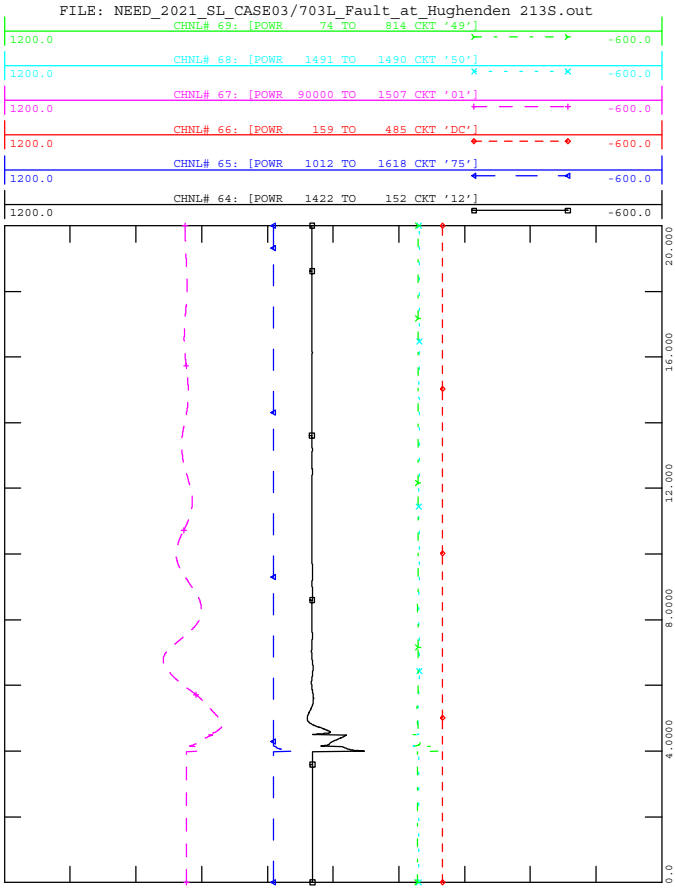


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

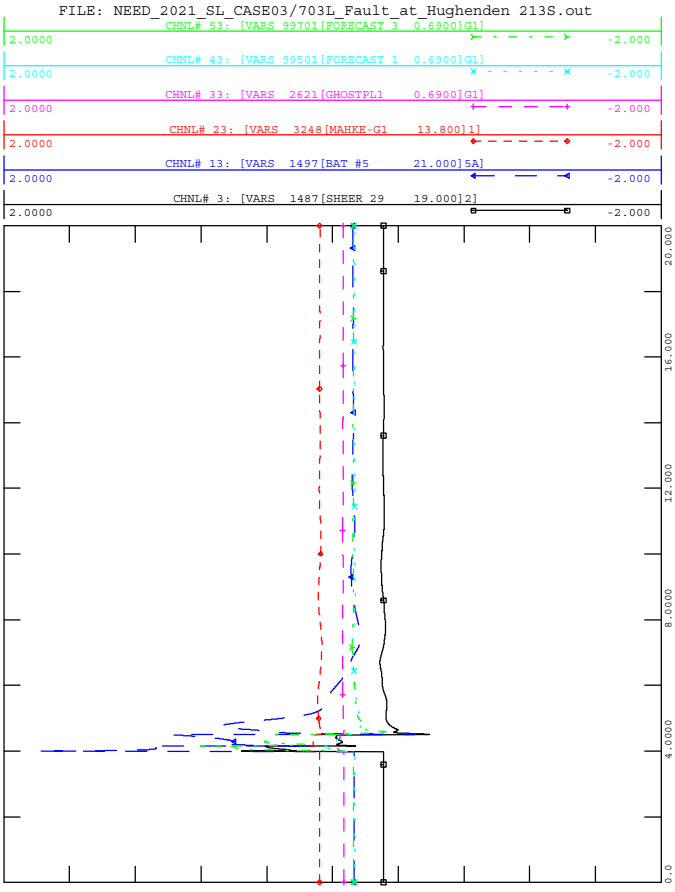


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out



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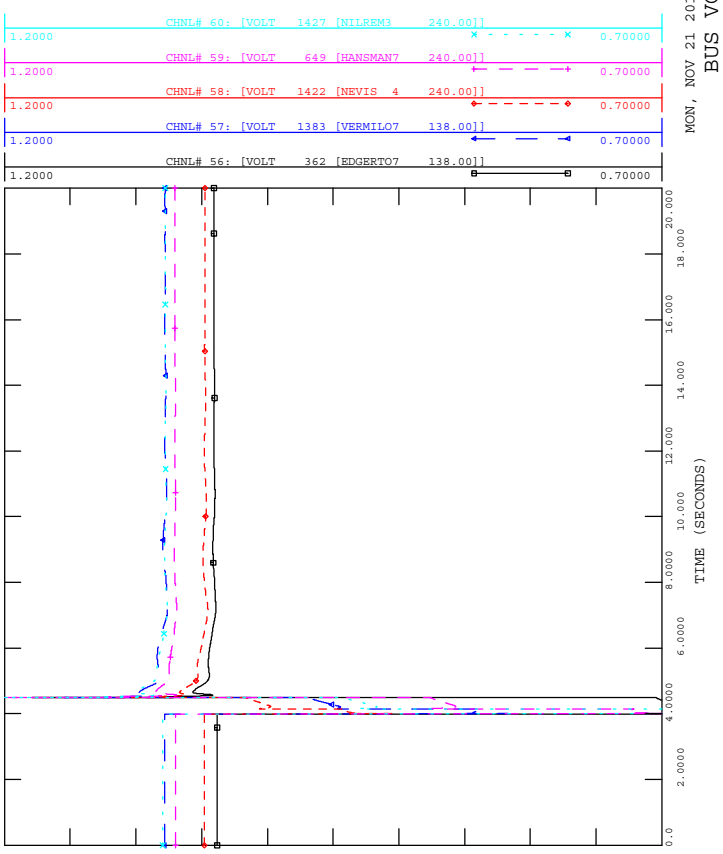
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

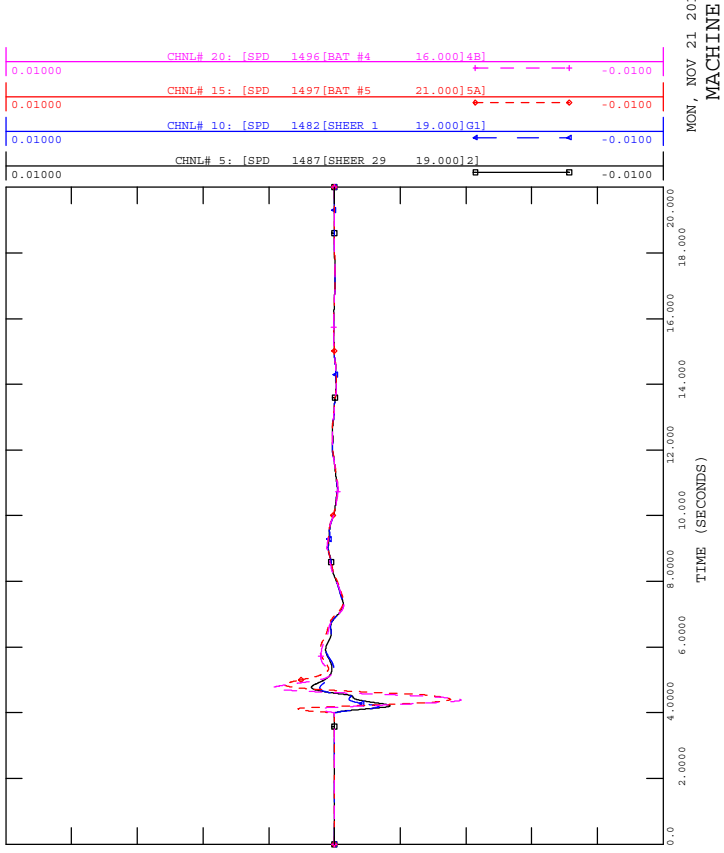


NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

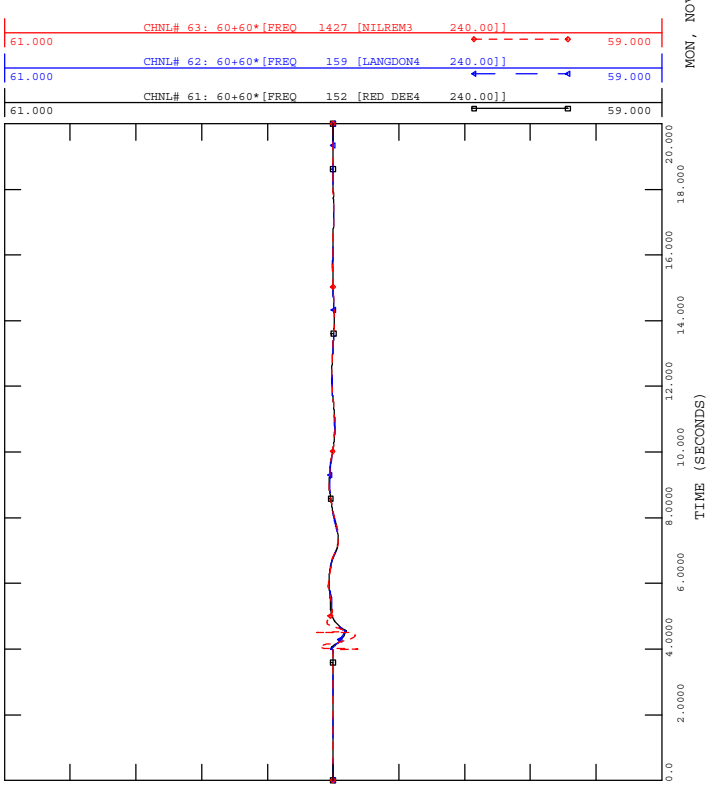


NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 13:32

FREQUENCY

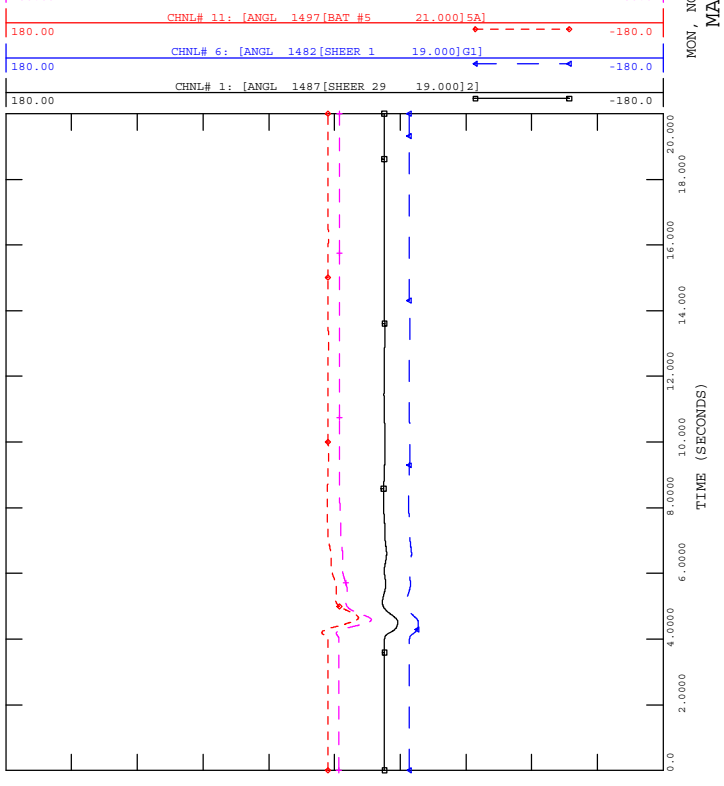


NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out

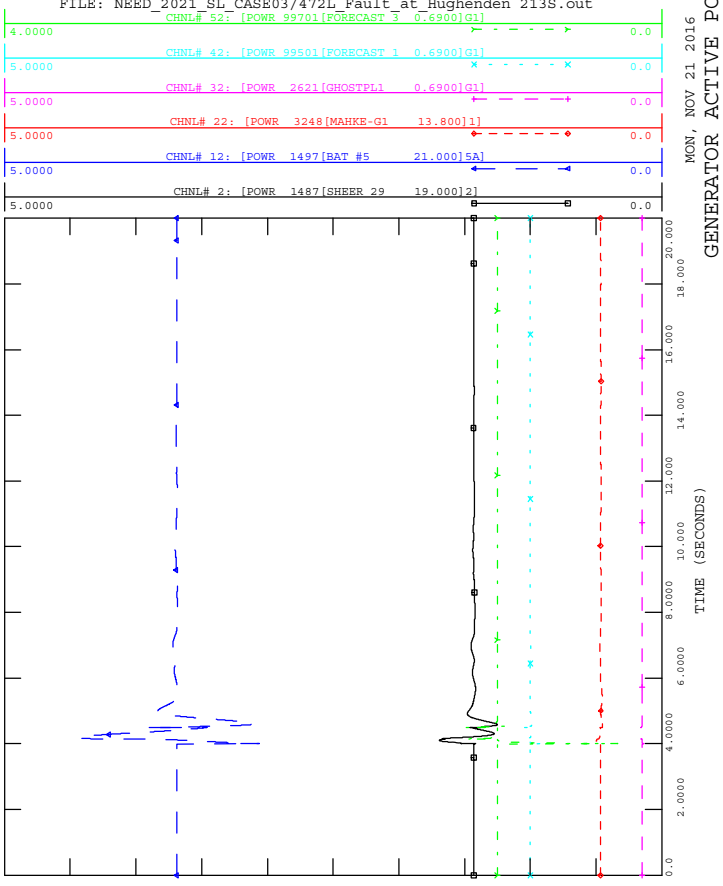
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out

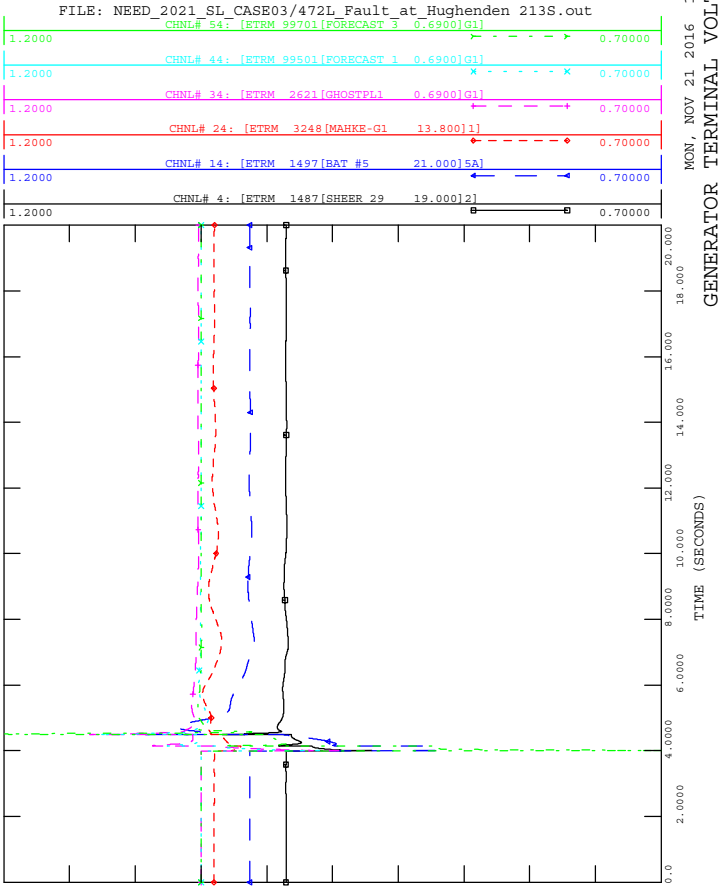


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out

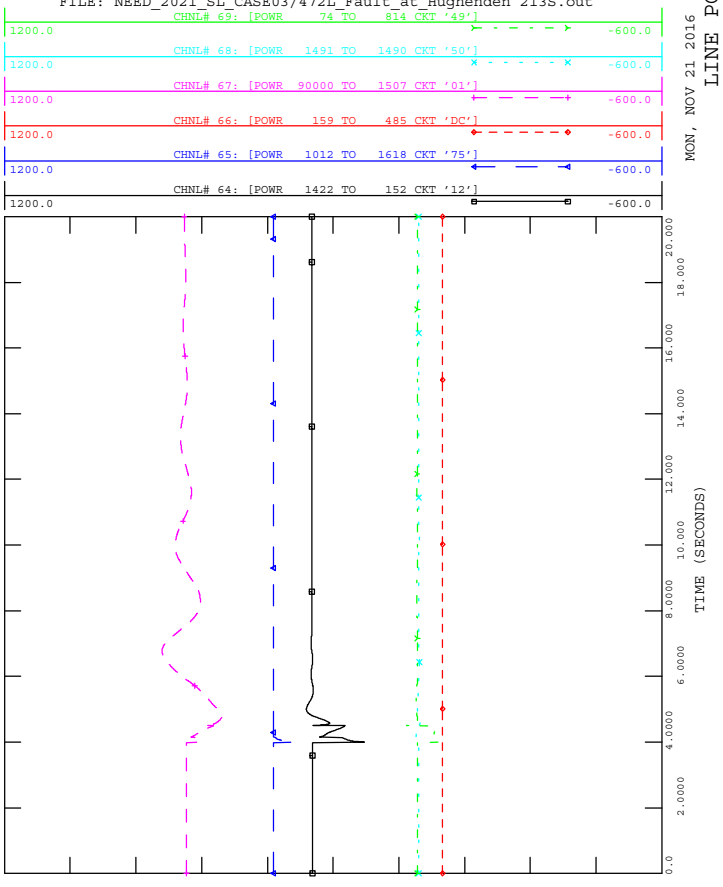


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out

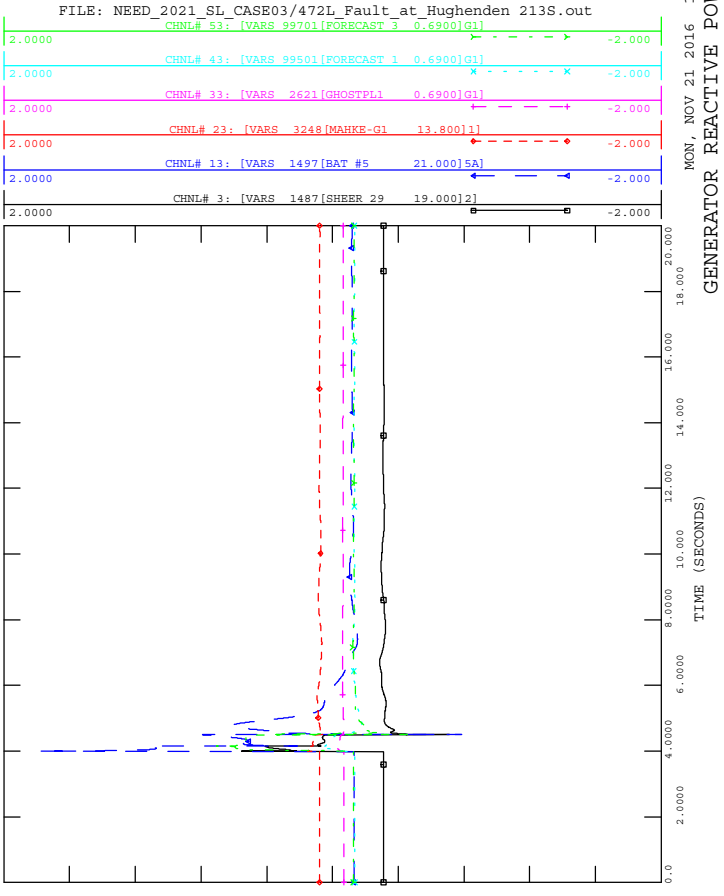


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out



MON, NOV 21 2016 13:32

GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1383 [VERMILO7 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:32

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:32

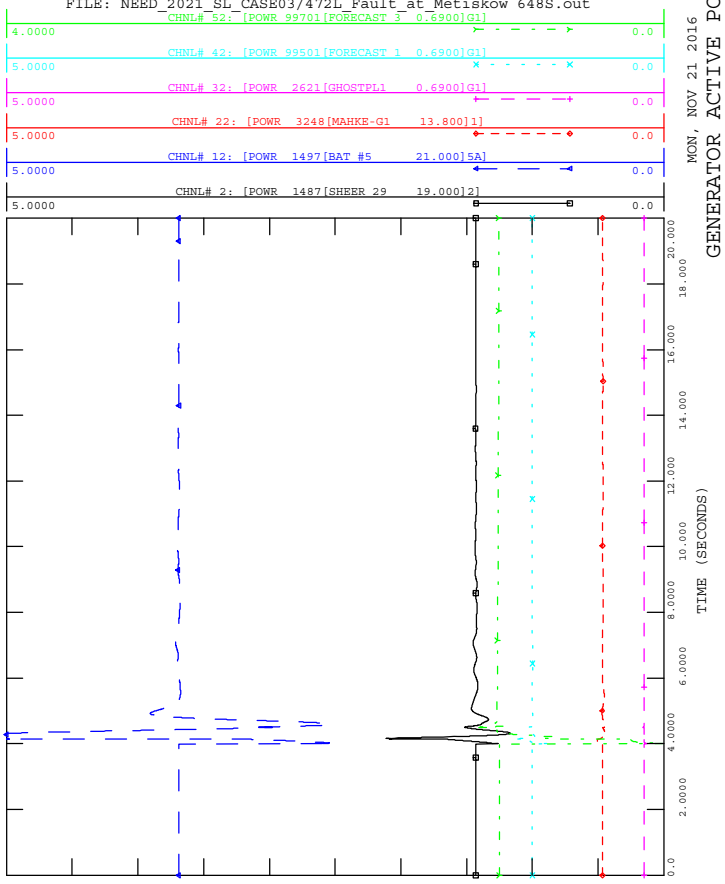
MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_METISKOW 648S

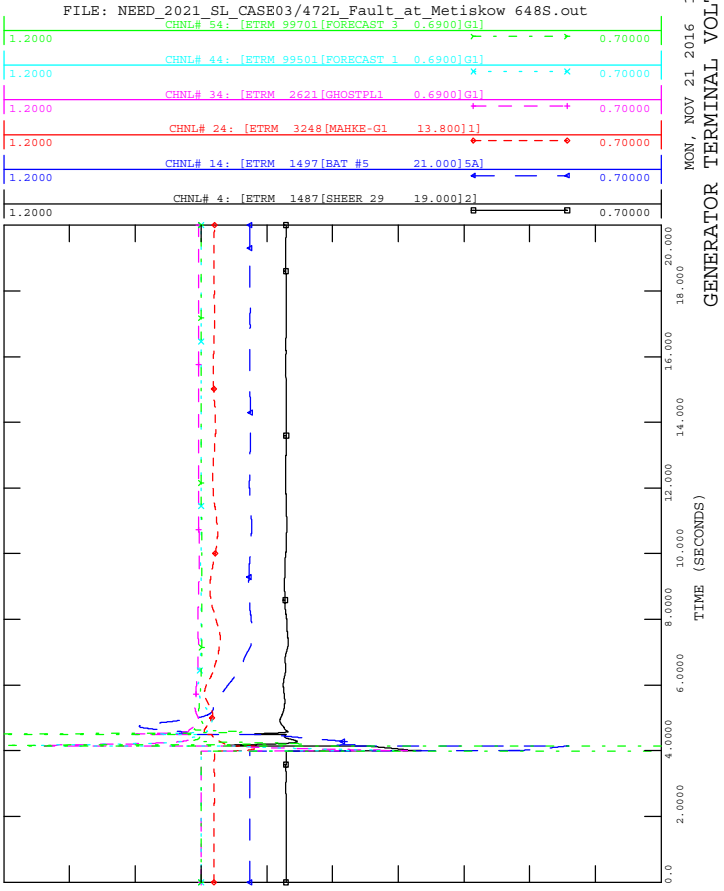
FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_METISKOW 648S

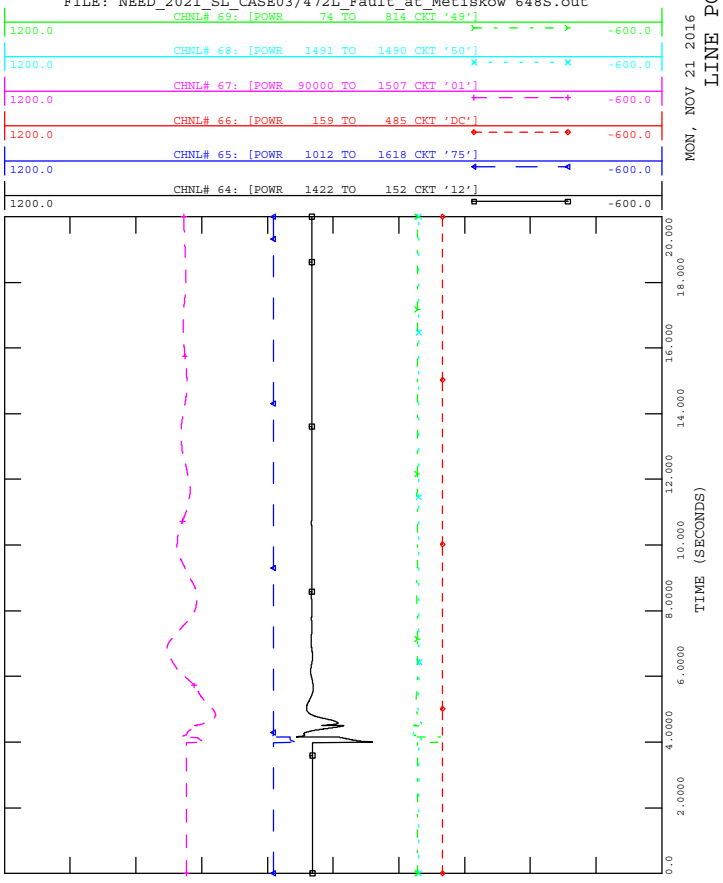
FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_METISKOW 648S

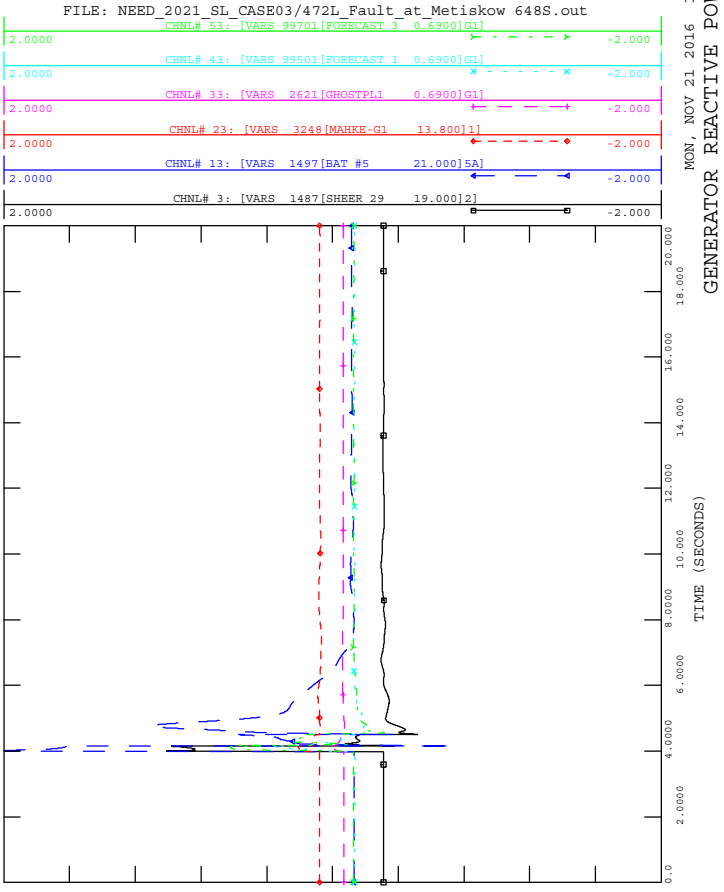
FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:32
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out



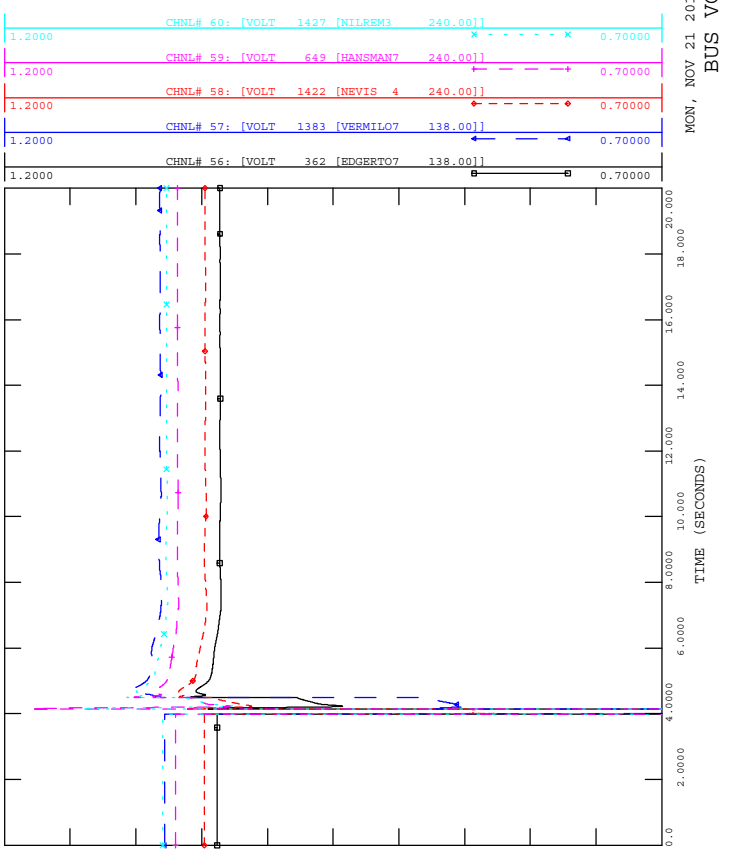
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

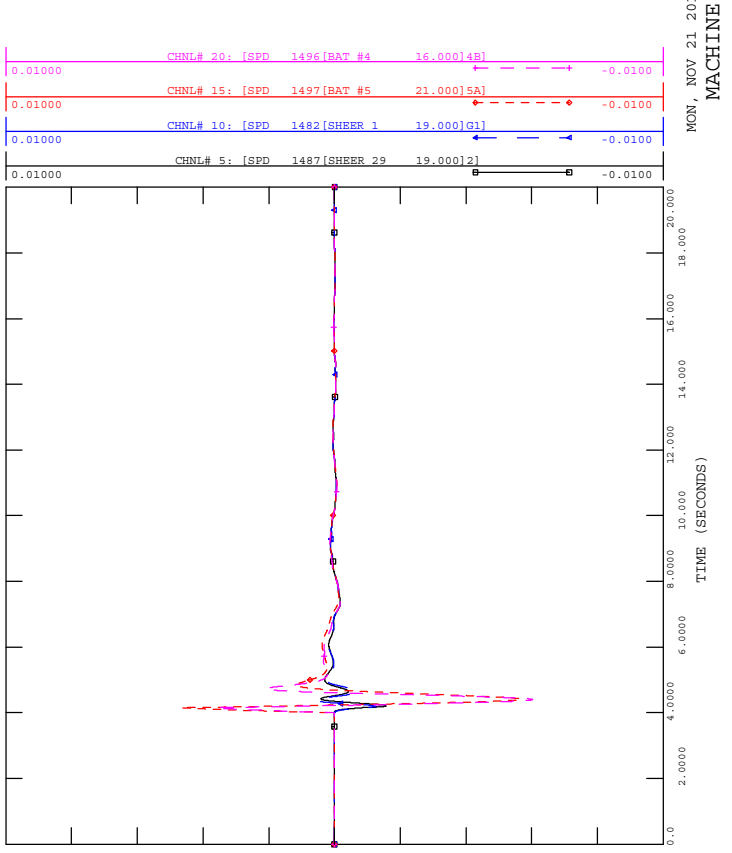


NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

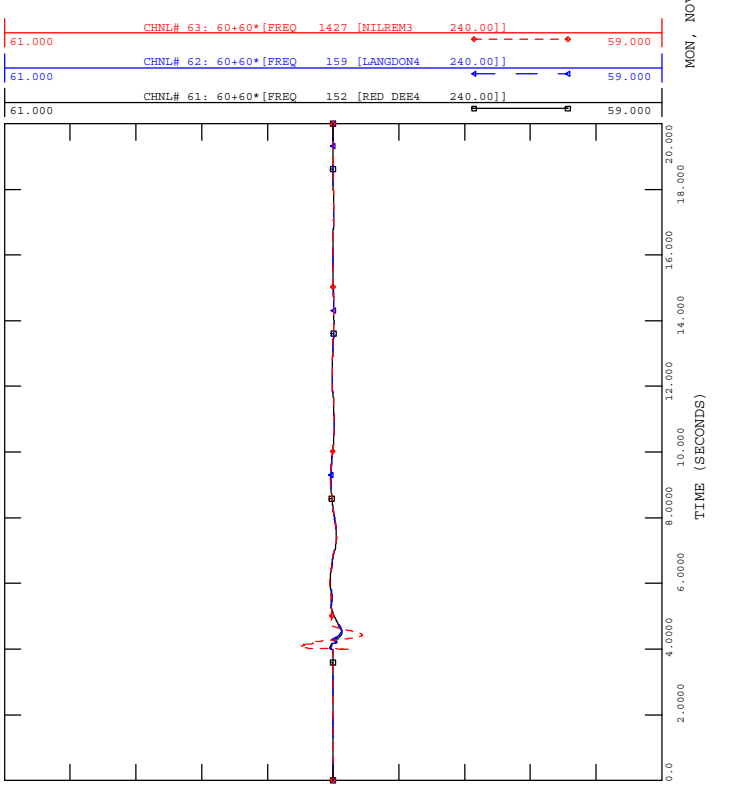


NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 13:32

FREQUENCY

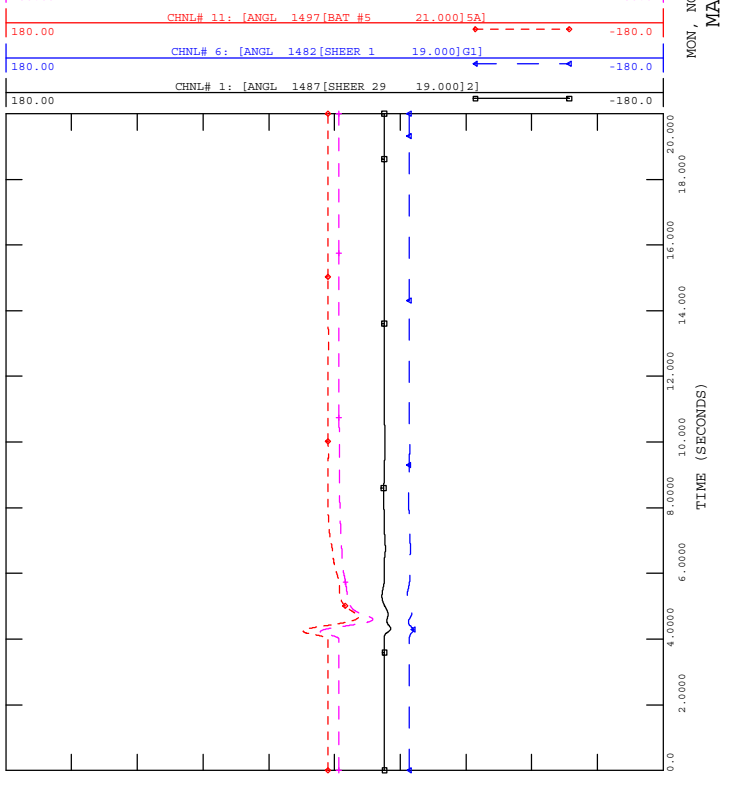


NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

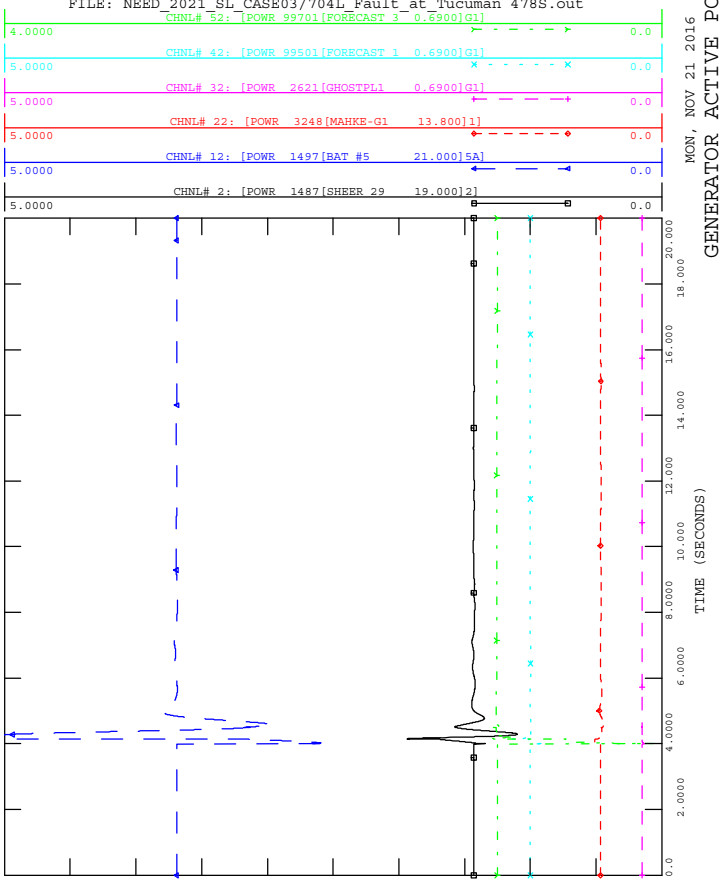
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

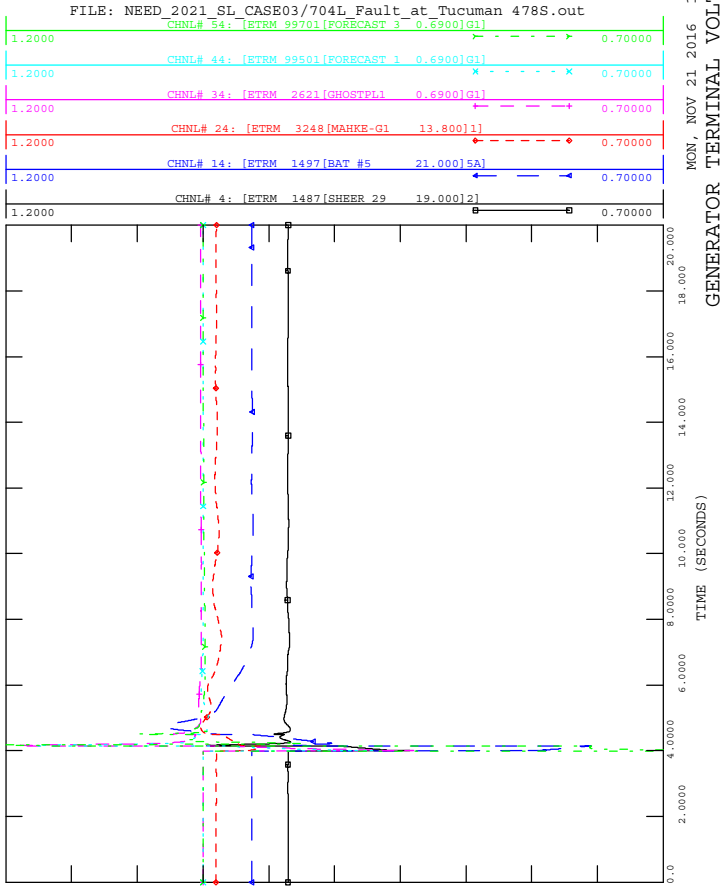


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

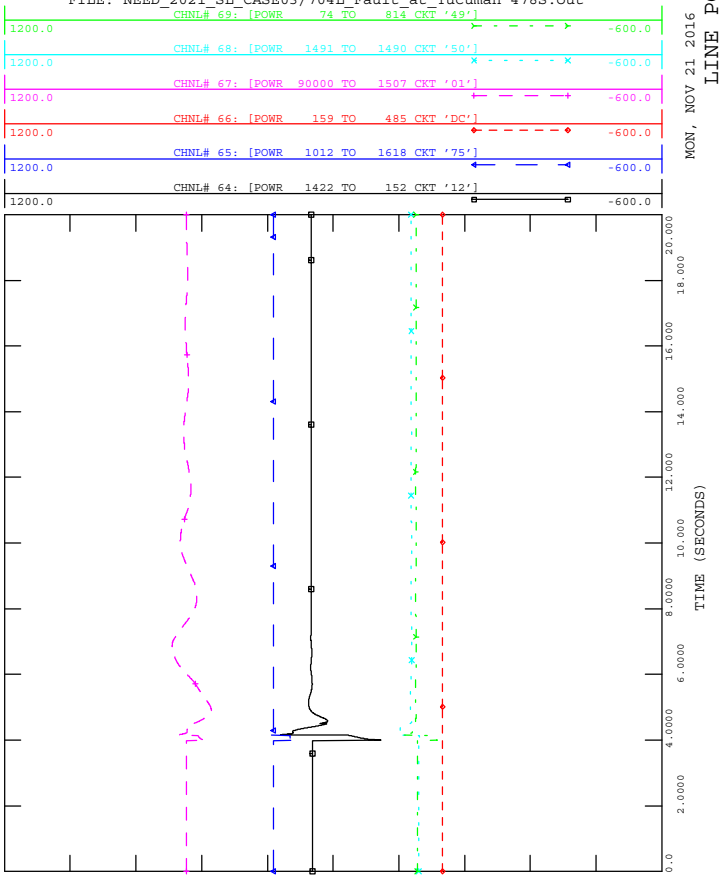


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

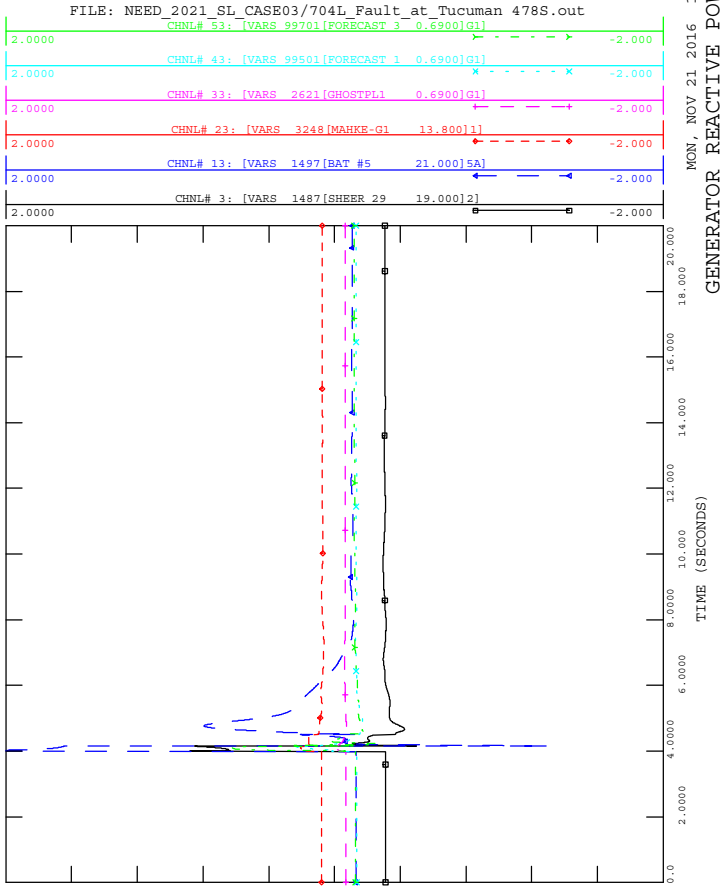


MON, NOV 21 2016 13:32

LINE POWER

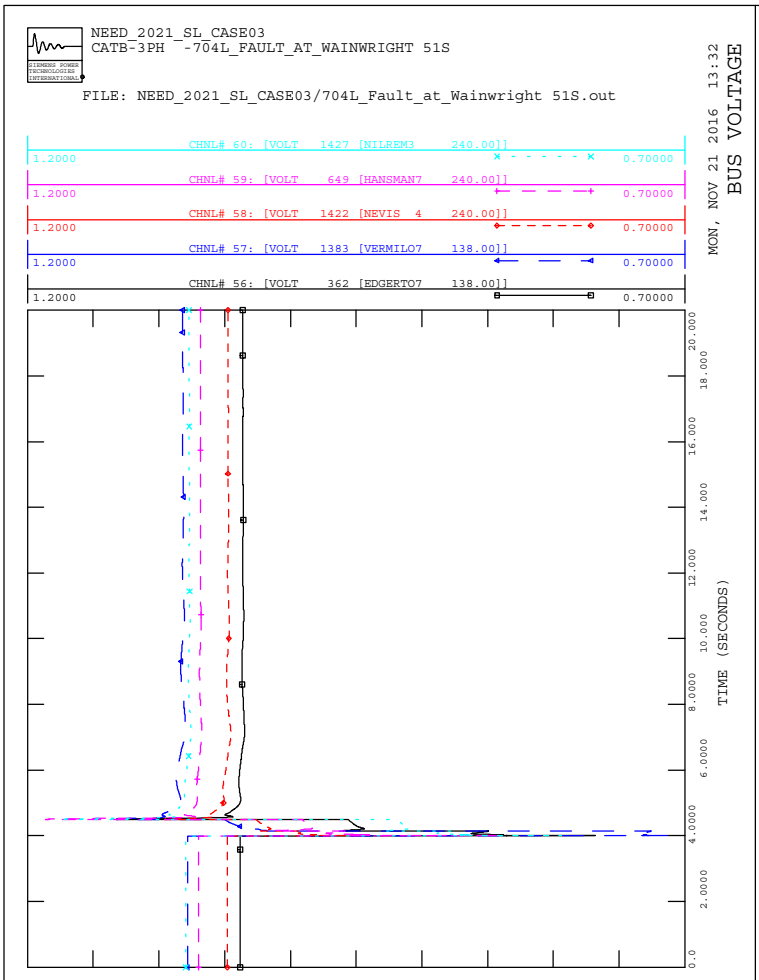
NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

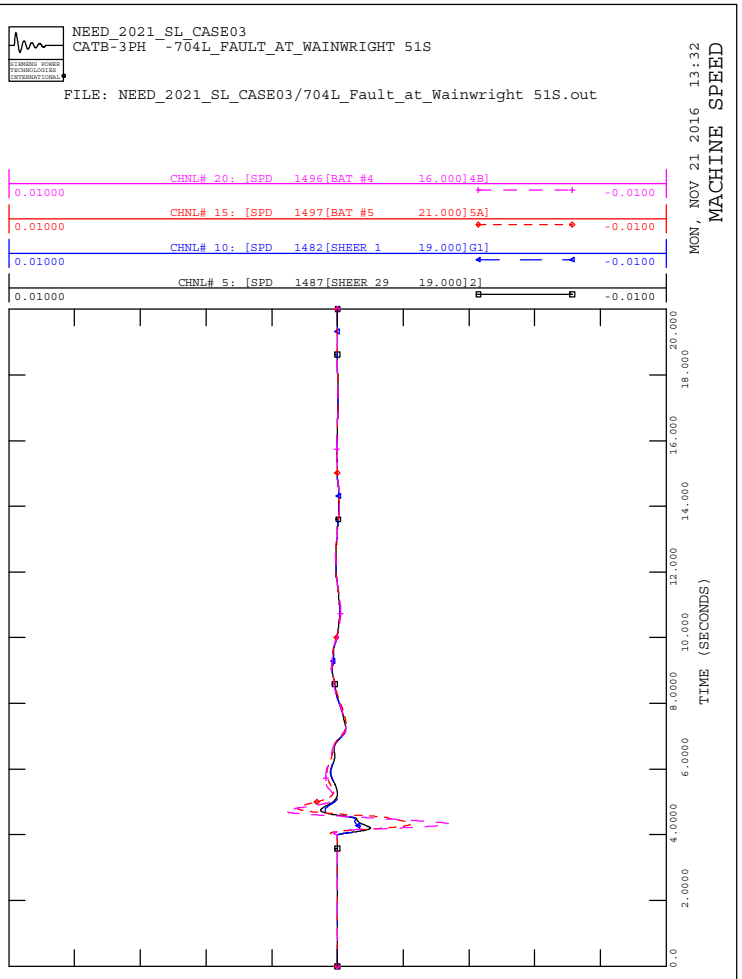
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

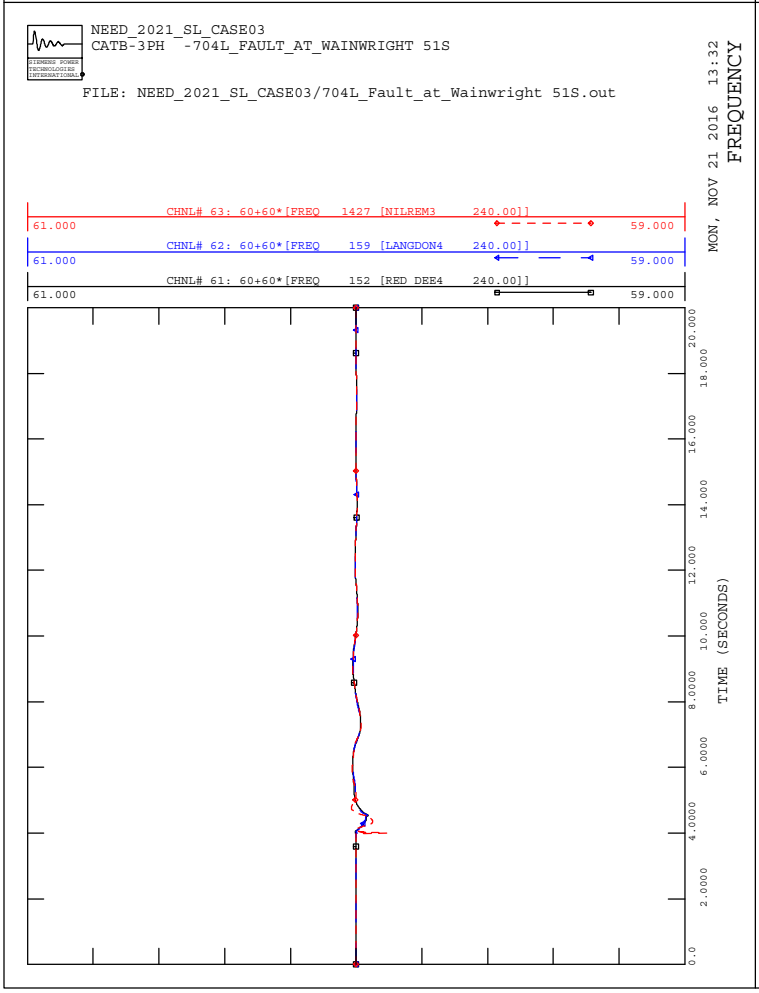


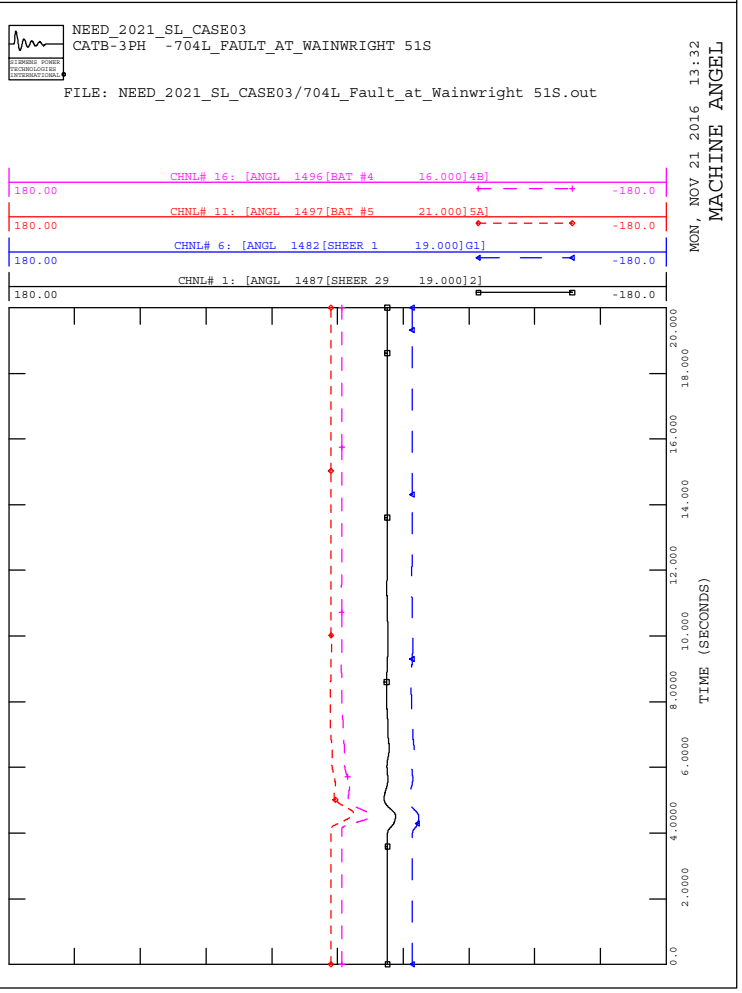
MON, NOV 21 2016 13:32

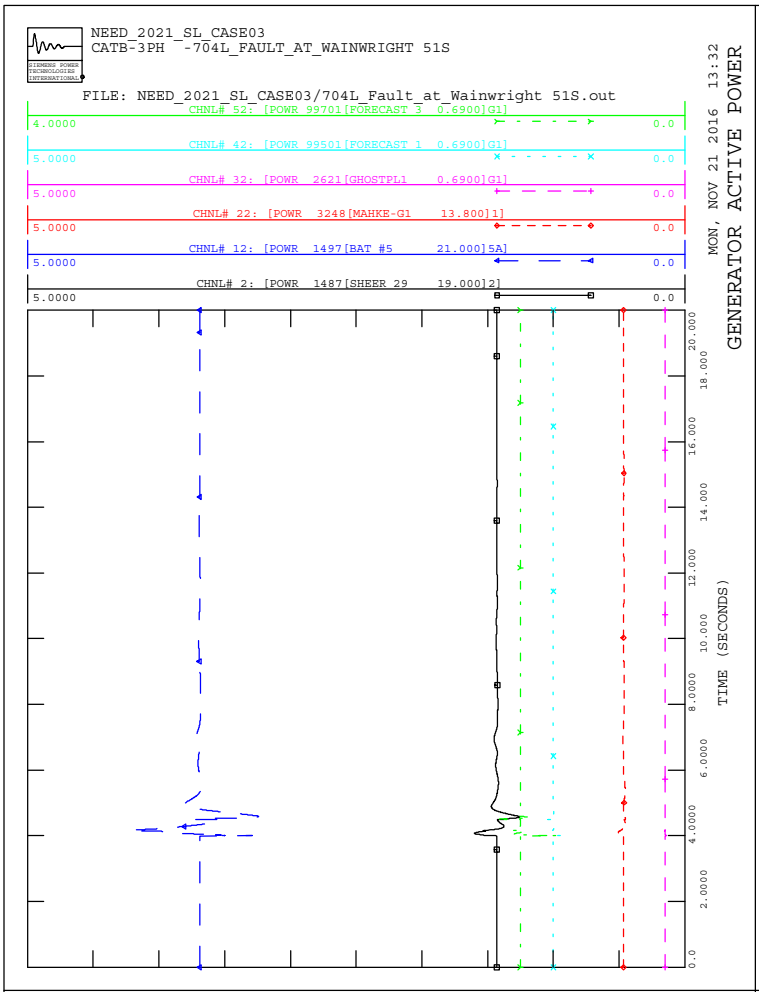
GENERATOR REACTIVE POWER

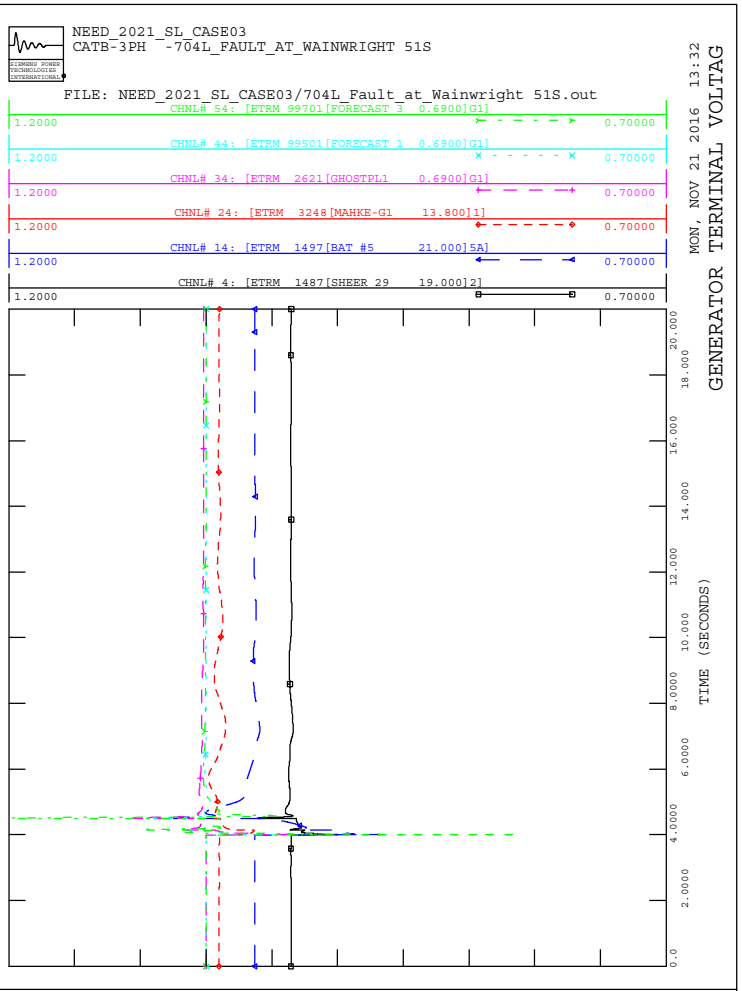

NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out
MON, NOV 21 2016 13:32
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

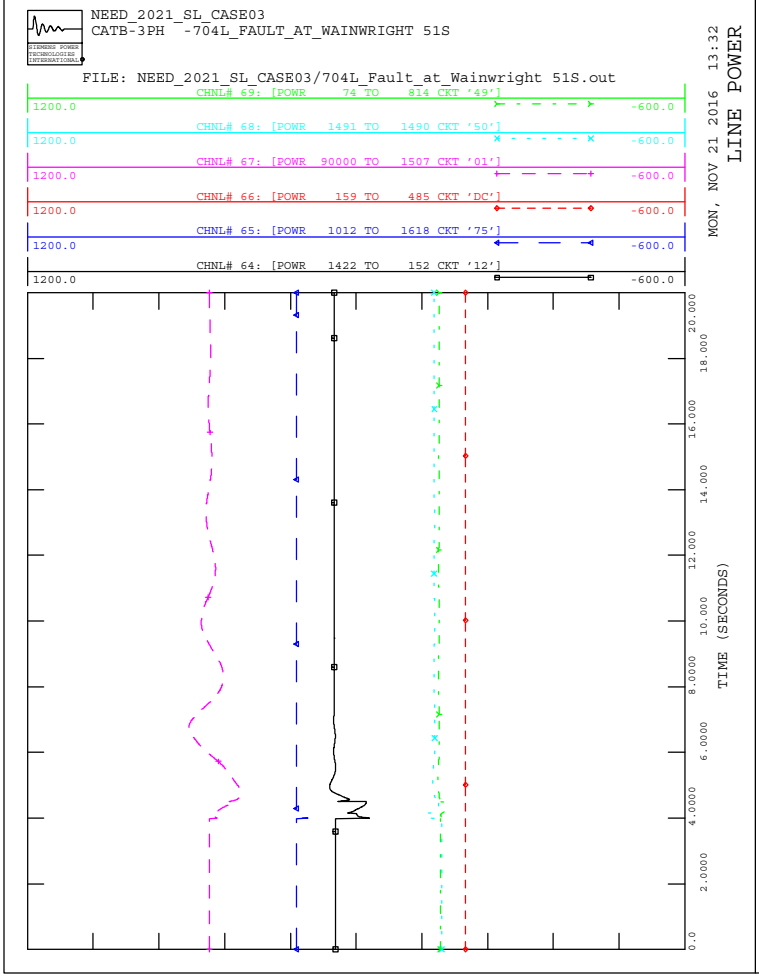

NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out
MON, NOV 21 2016 13:32
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

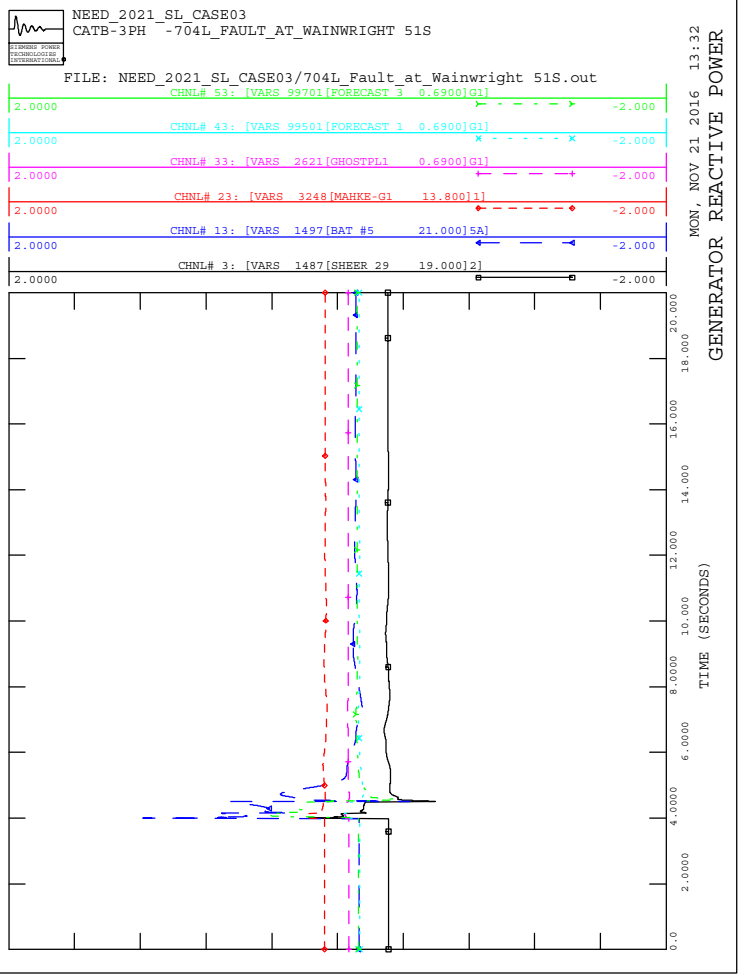

NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out
MON, NOV 21 2016 13:32
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out
MON, NOV 21 2016 13:32
MACHINE ANGEL
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:32
LINE POWER
TIME (SECONDS)

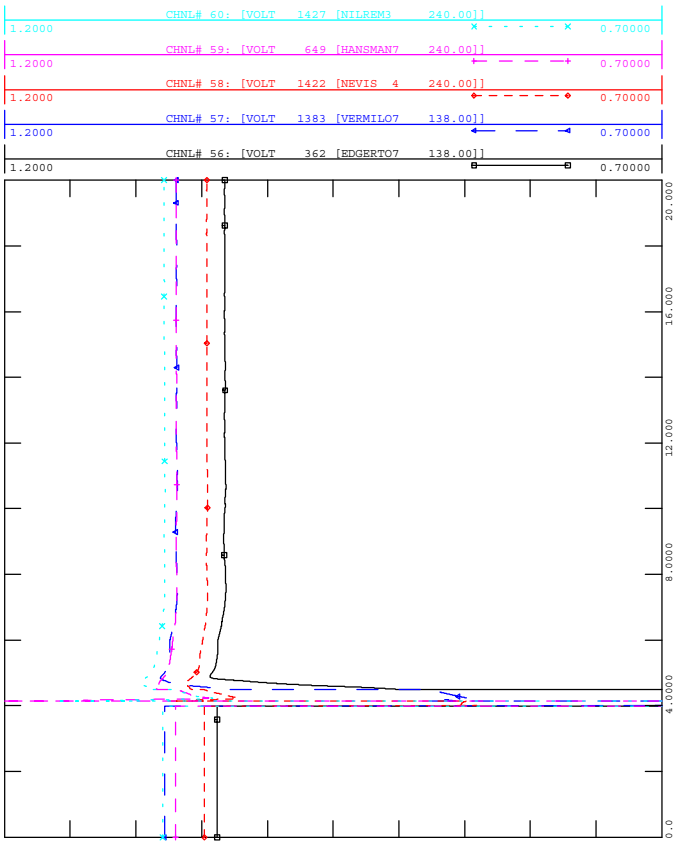

NEED_2021_SL_CASE03
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

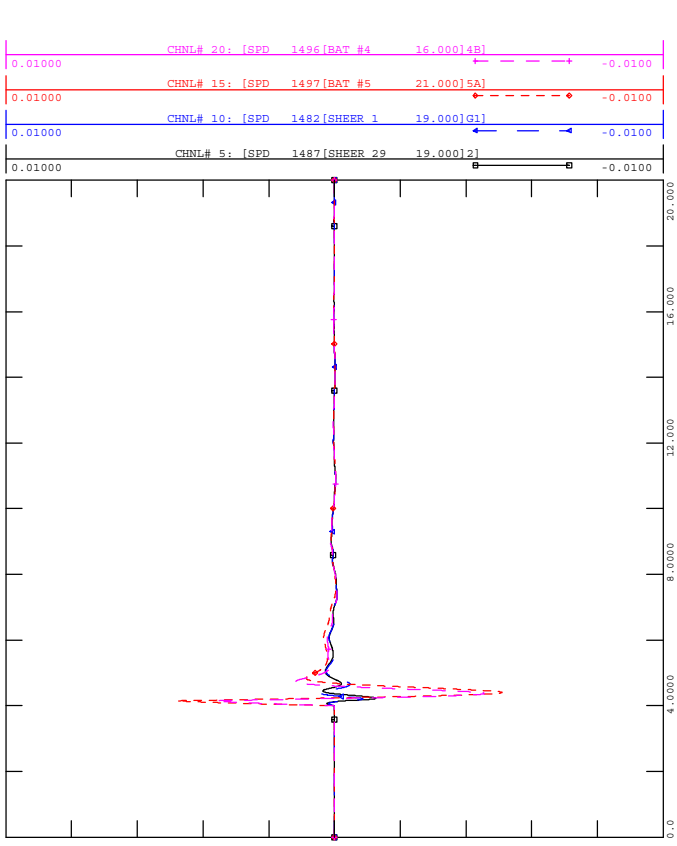


NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

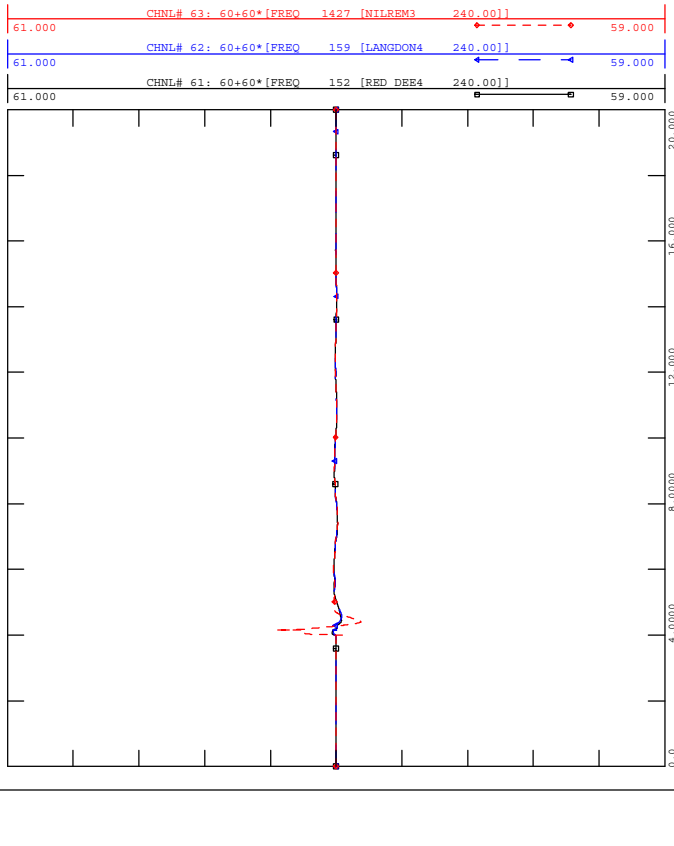


NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:32

FREQUENCY

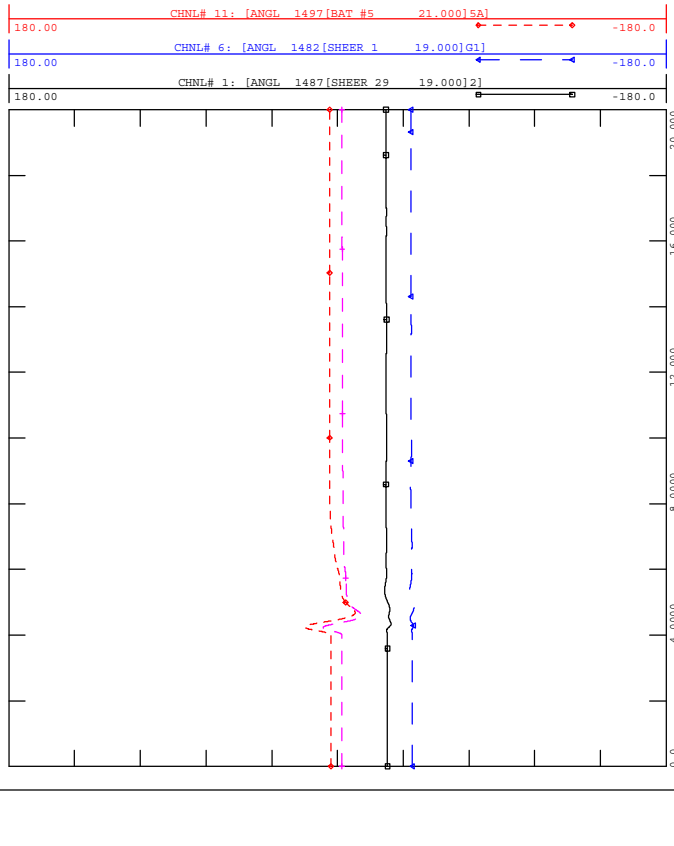


NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out

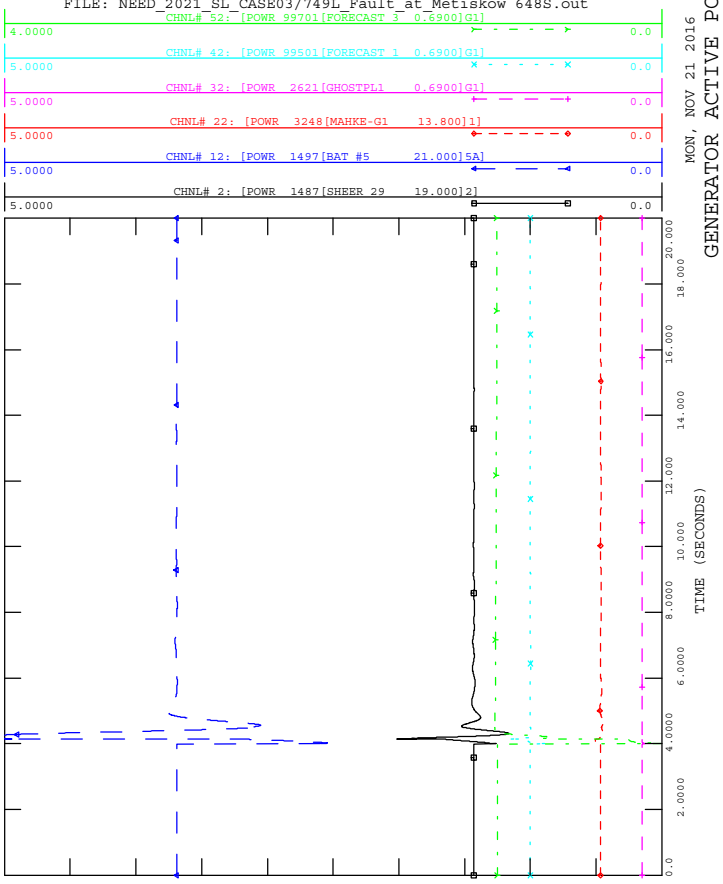
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out

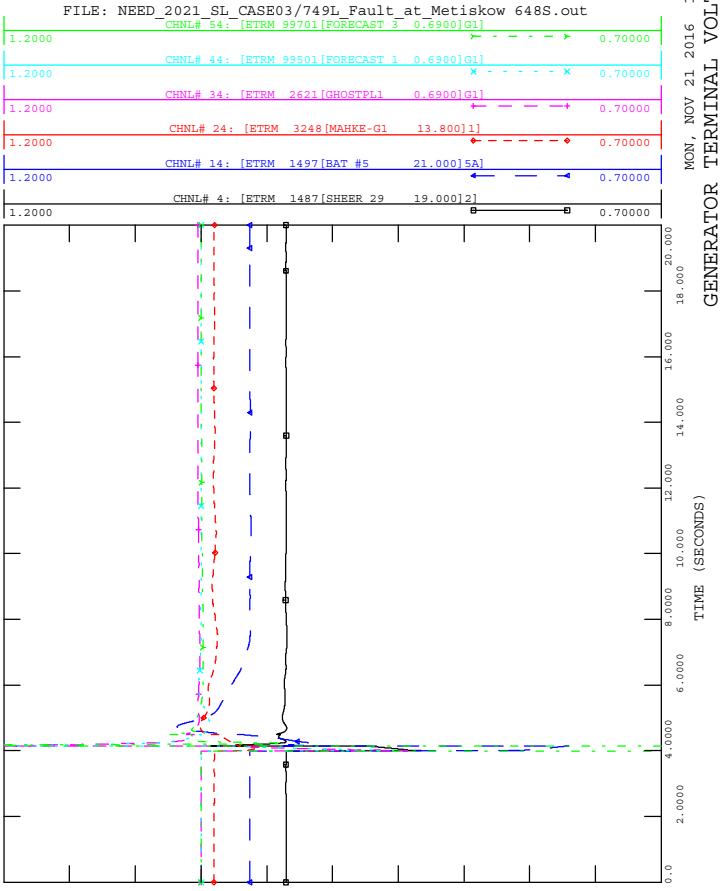


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out

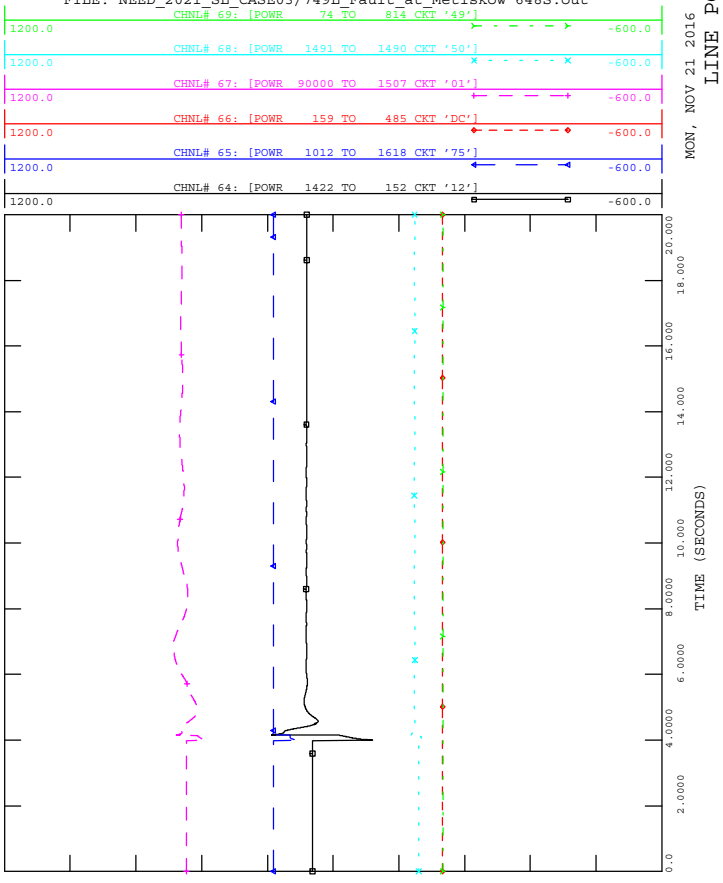


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out

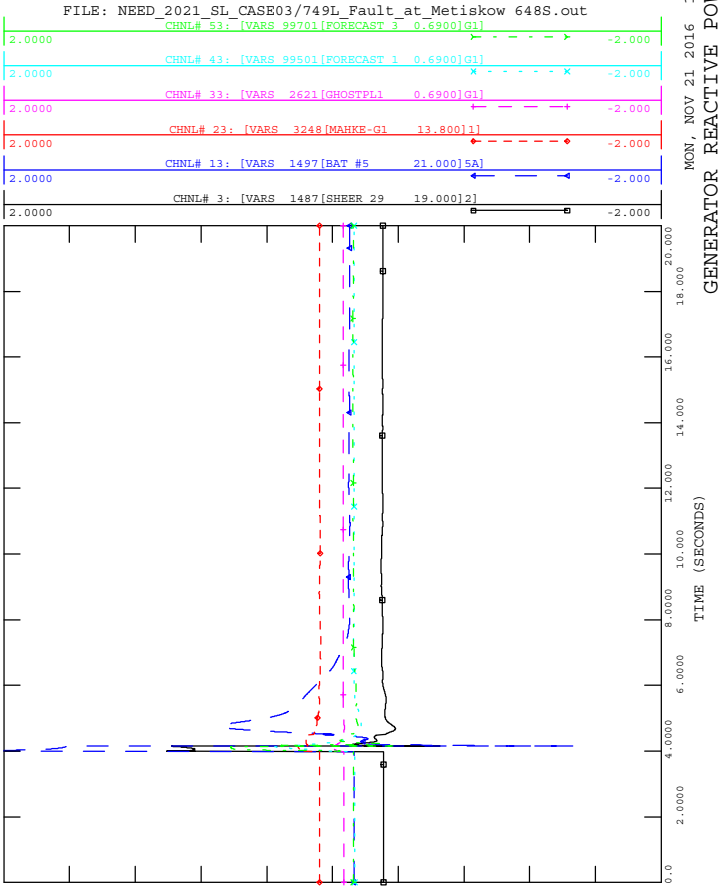


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:32

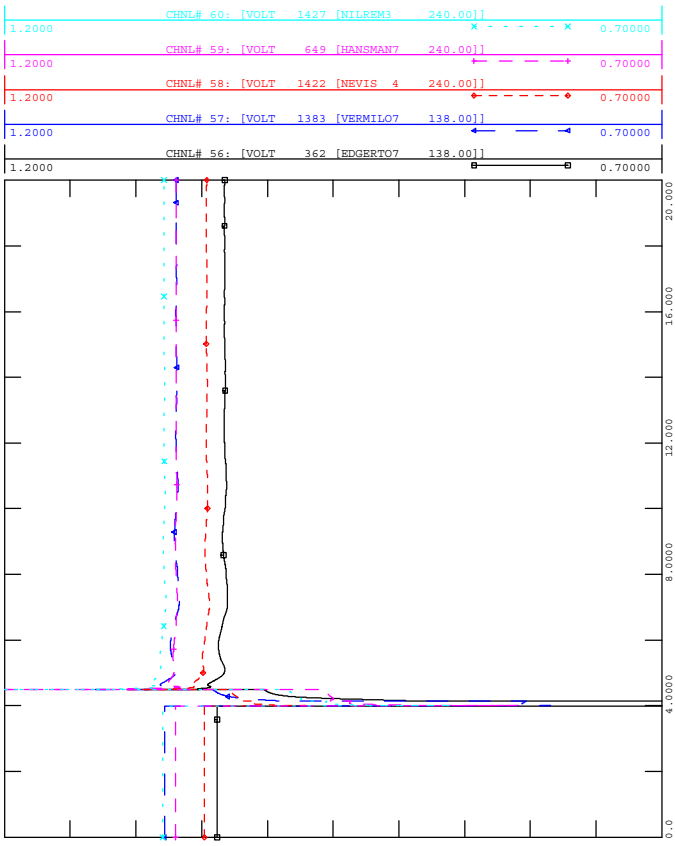
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

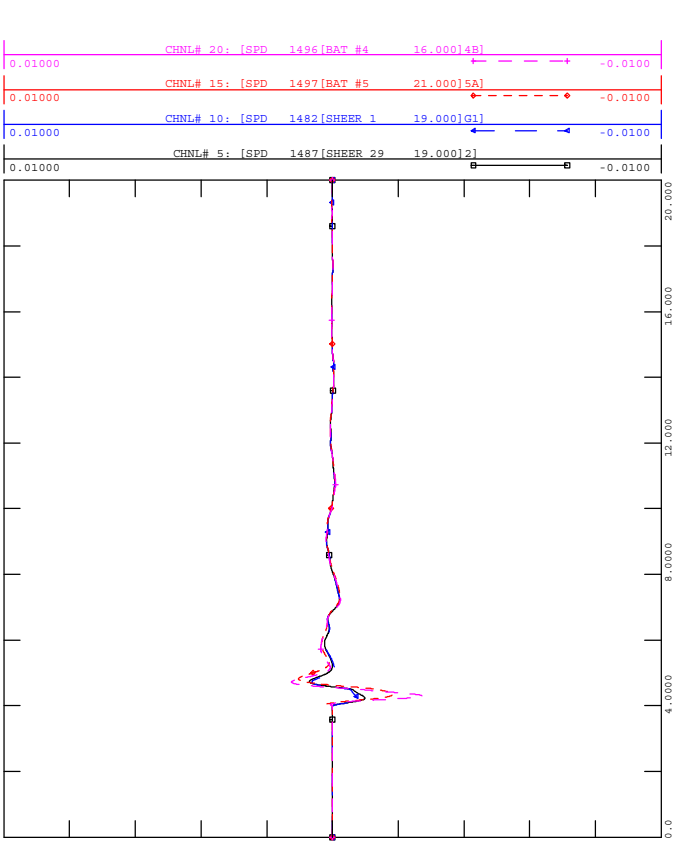


NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

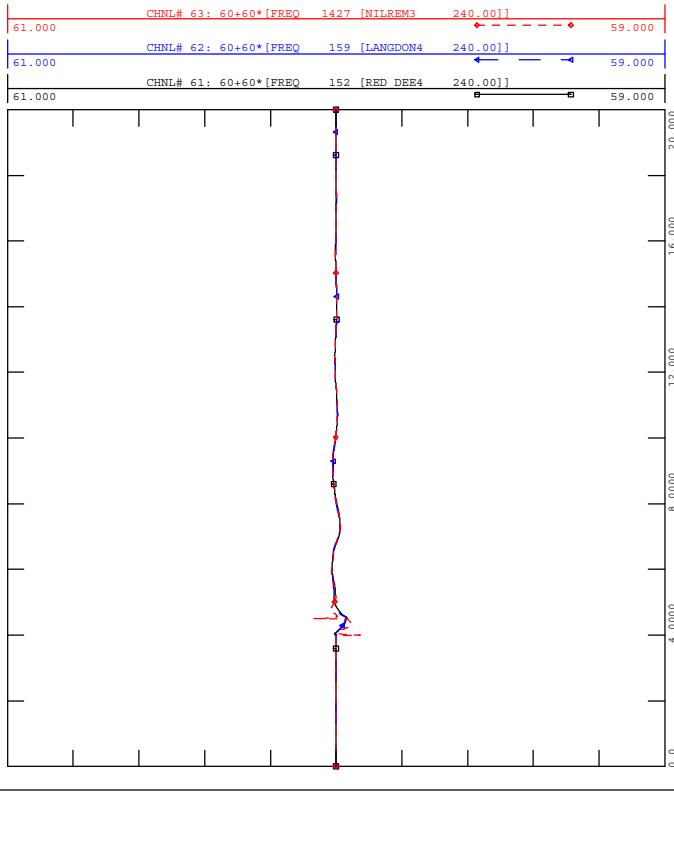


NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

MON, NOV 21 2016 13:32

FREQUENCY

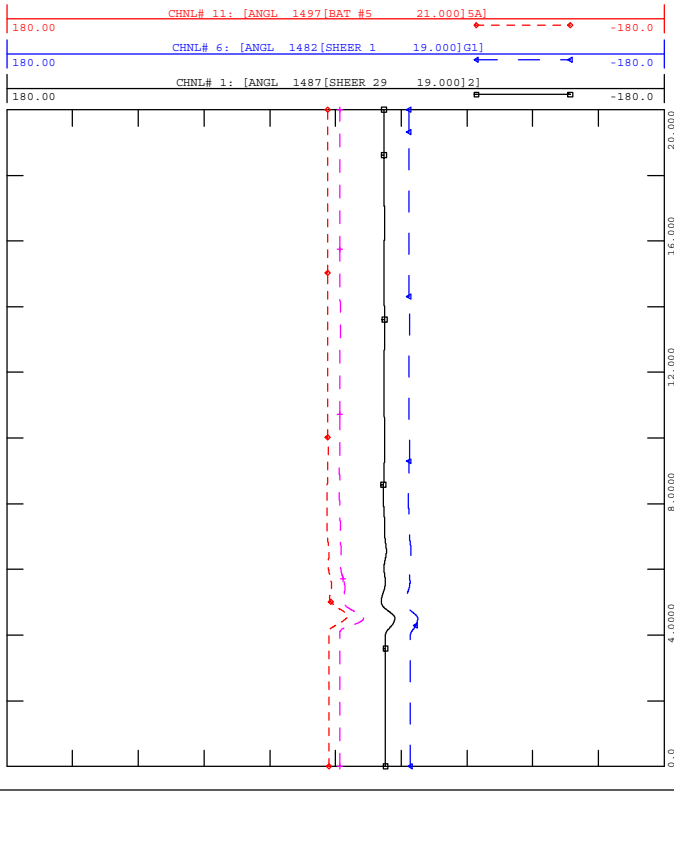


NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

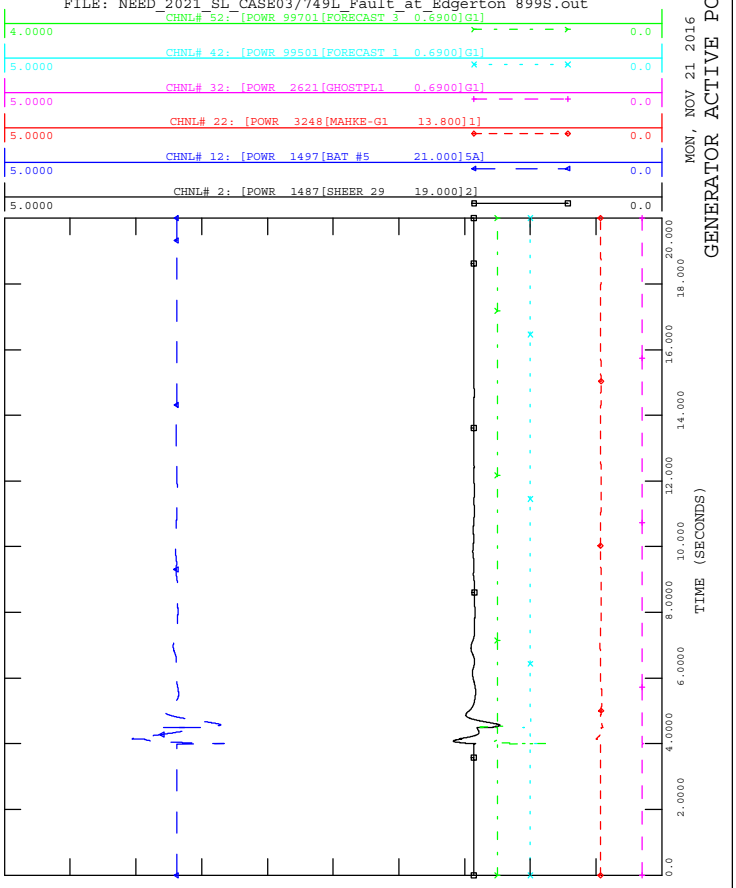
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

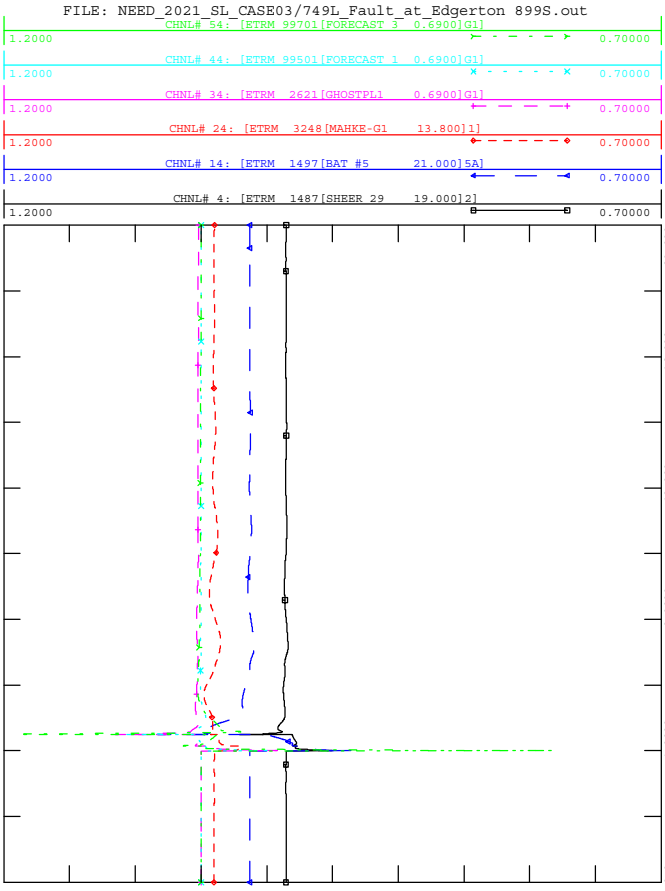


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

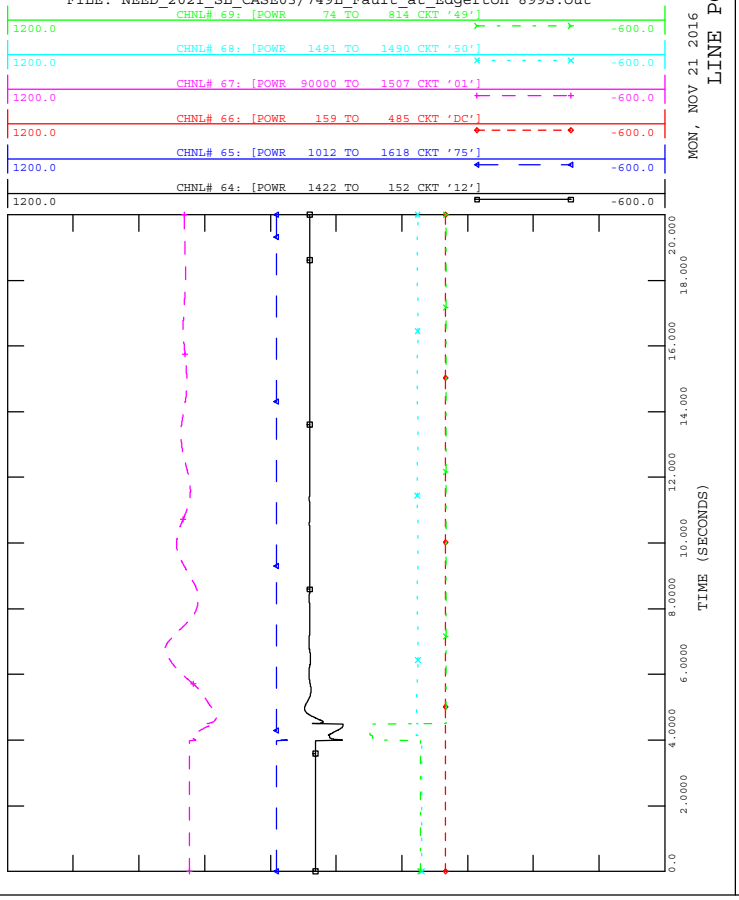


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

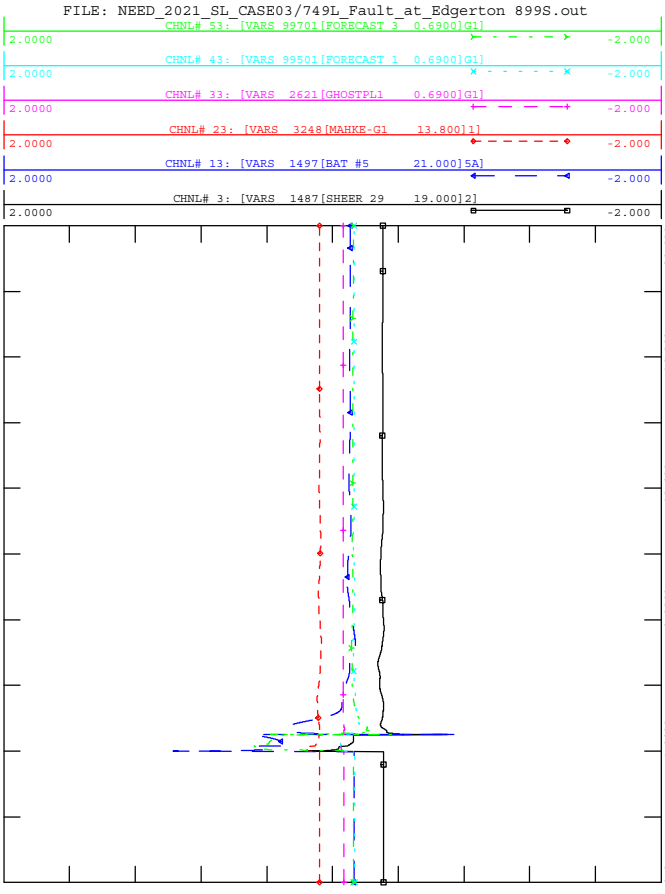


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 13:32

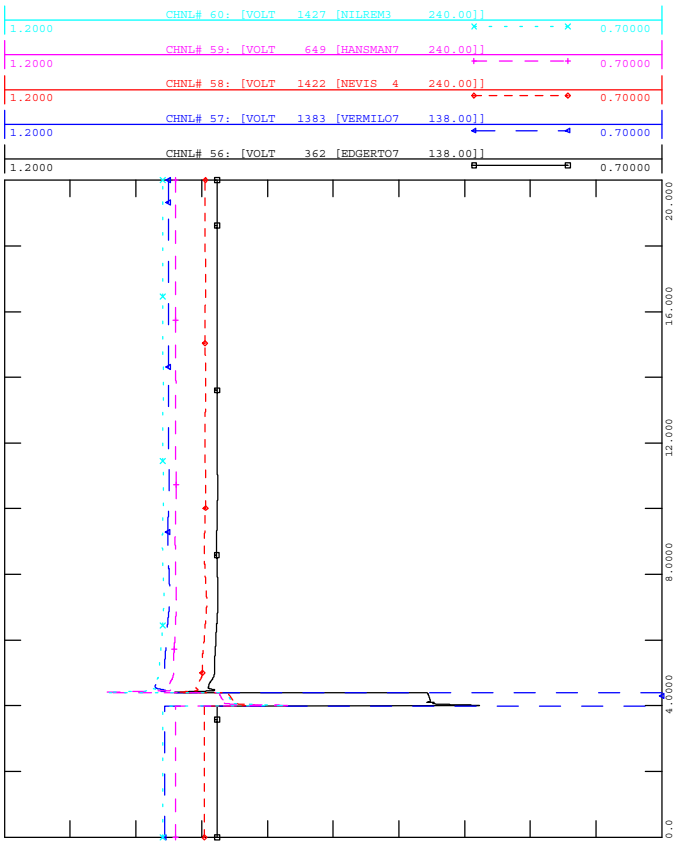
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

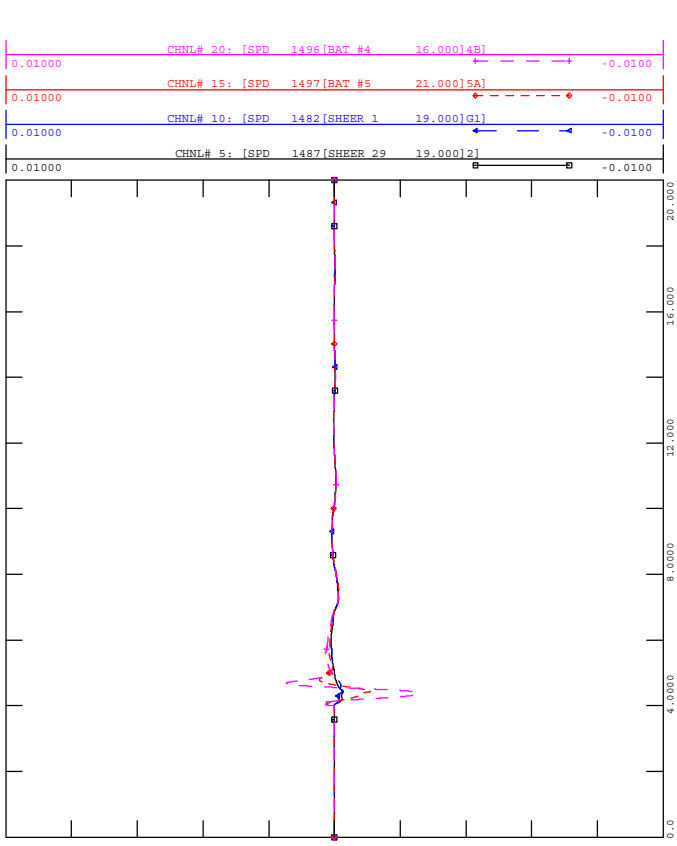


NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

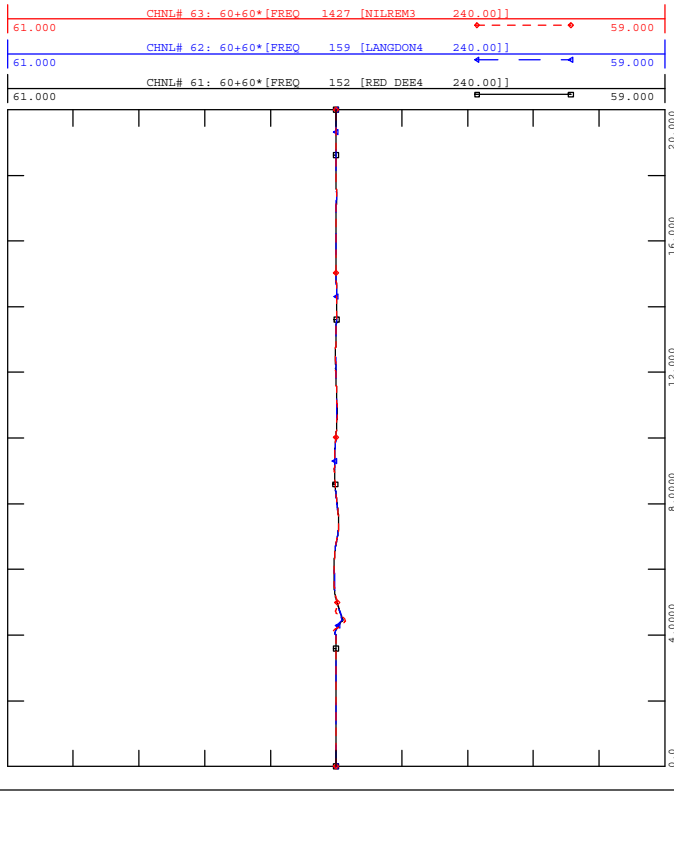


NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out

MON, NOV 21 2016 13:32

FREQUENCY

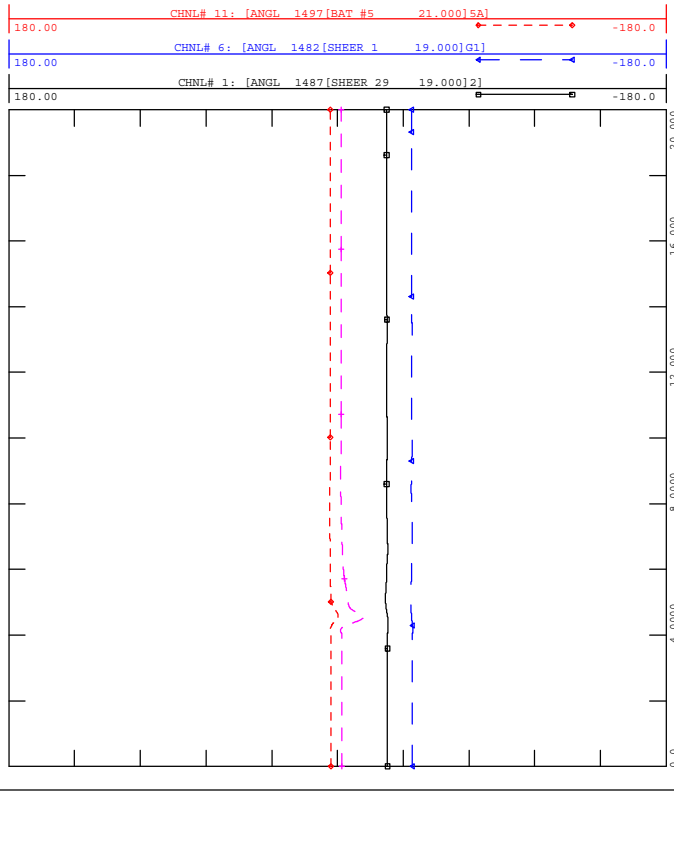


NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out

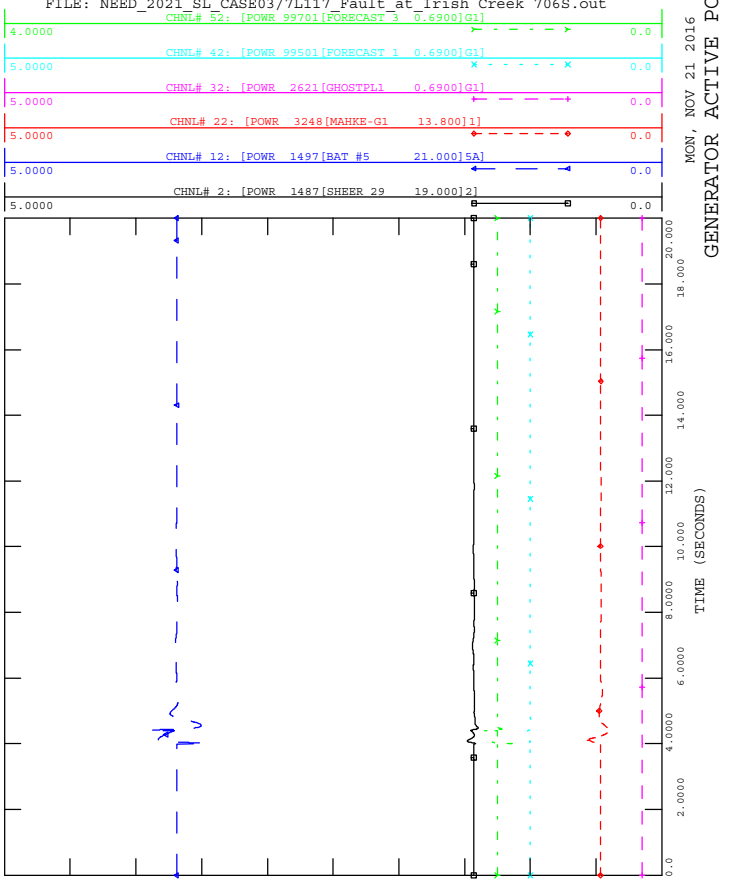
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out

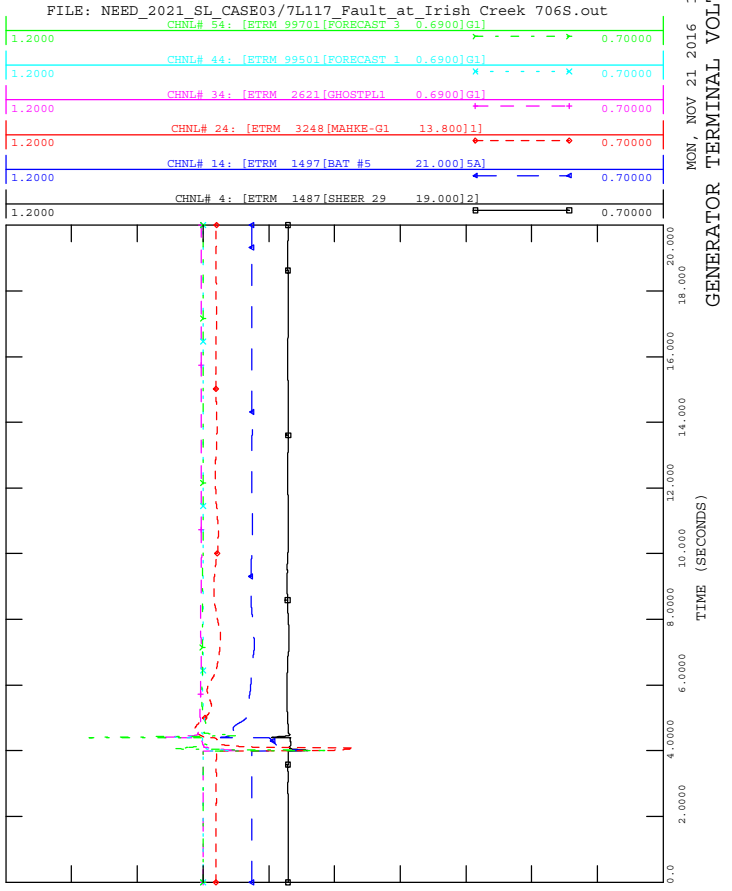


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out

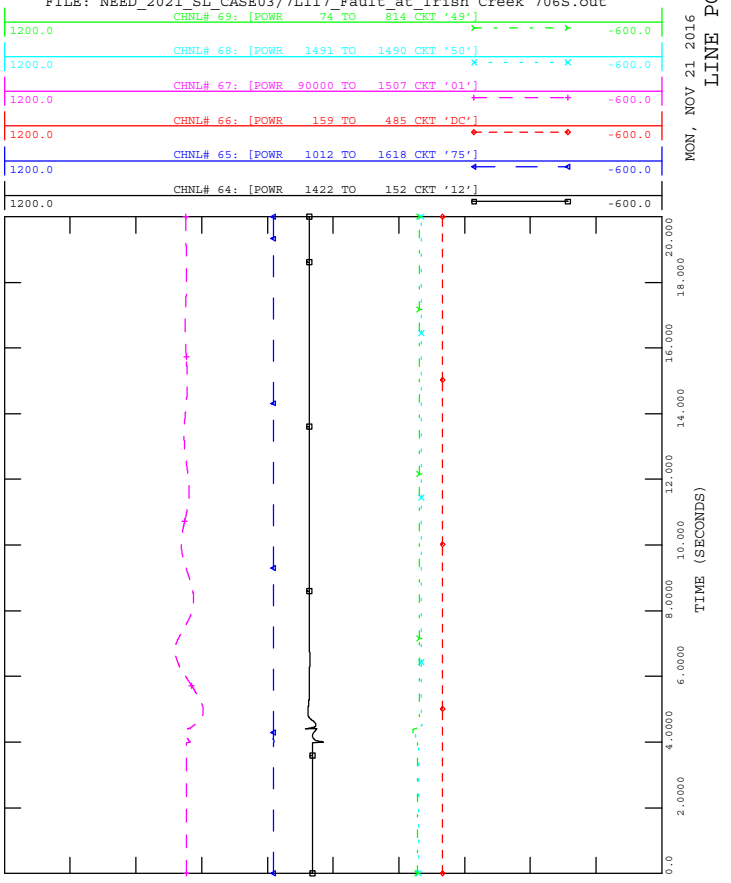


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out

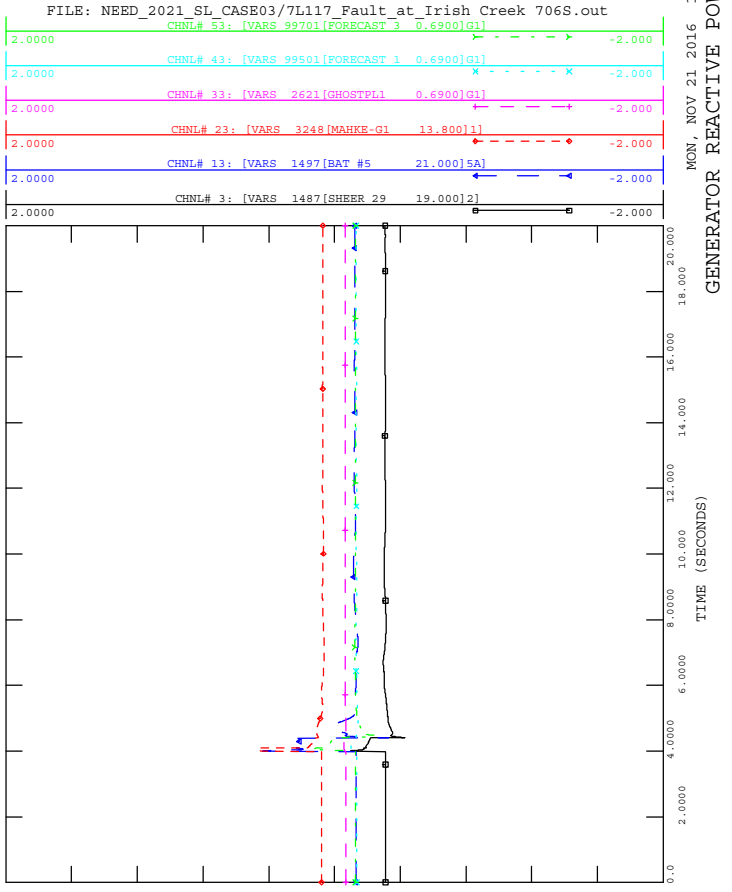


MON, NOV 21 2016 13:32

LINE POWER

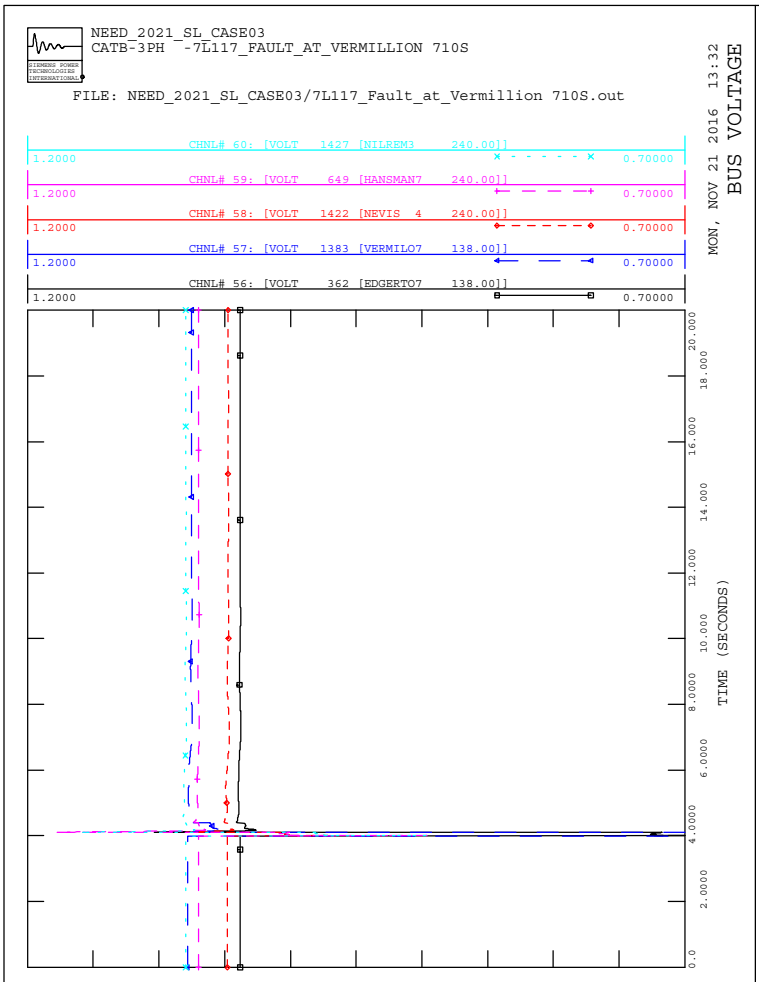
NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

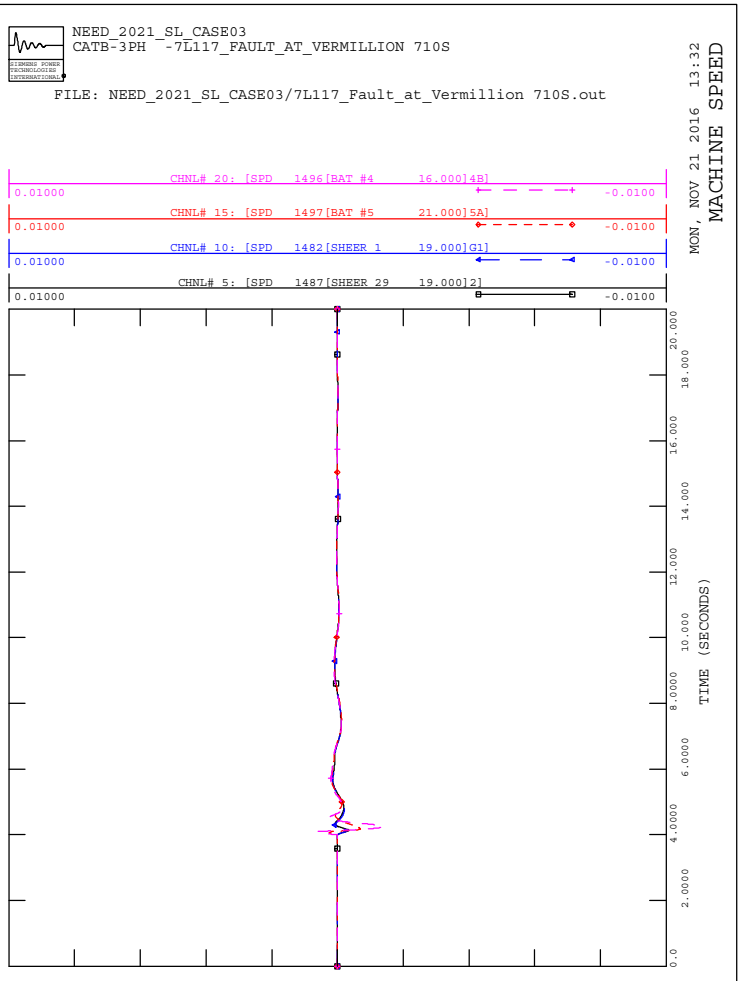
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out

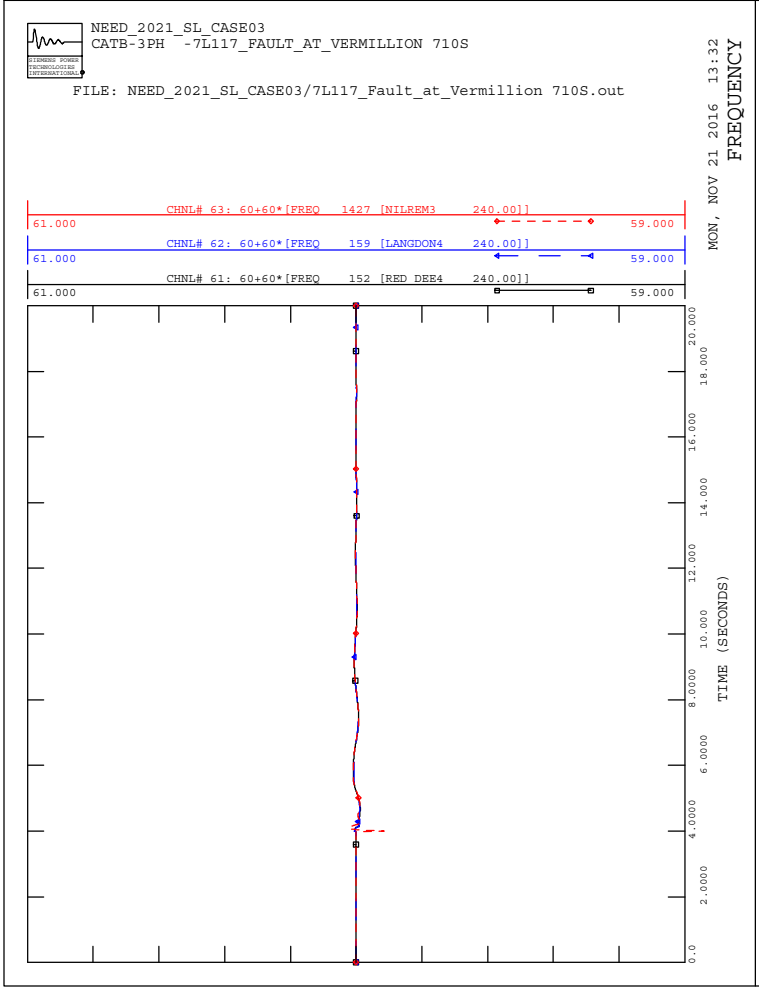


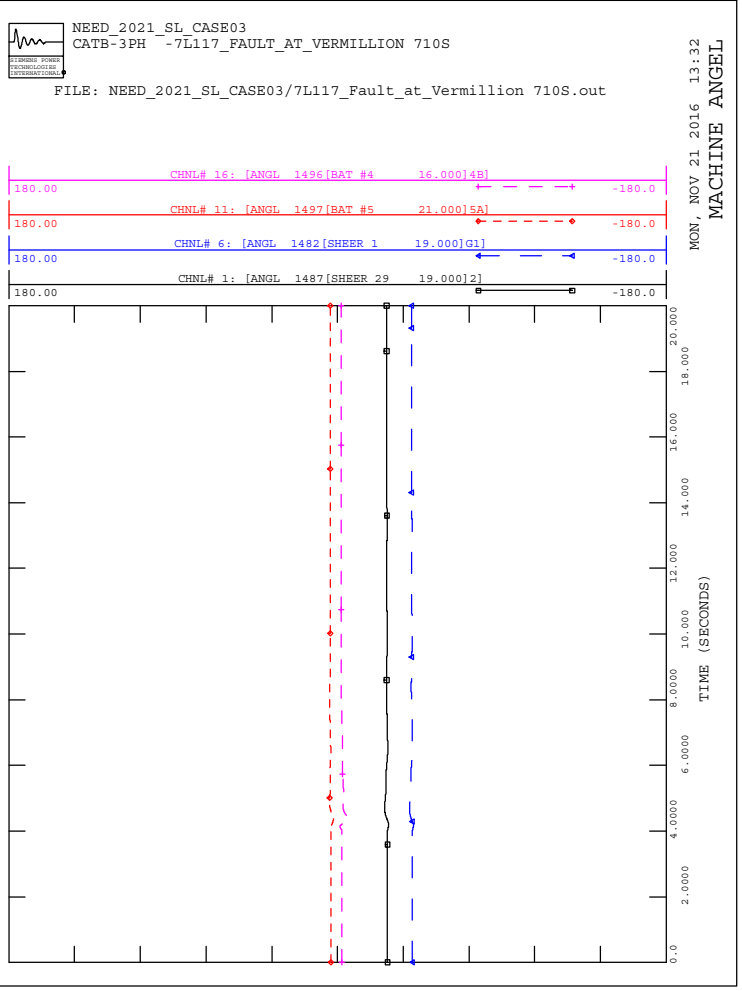
MON, NOV 21 2016 13:32

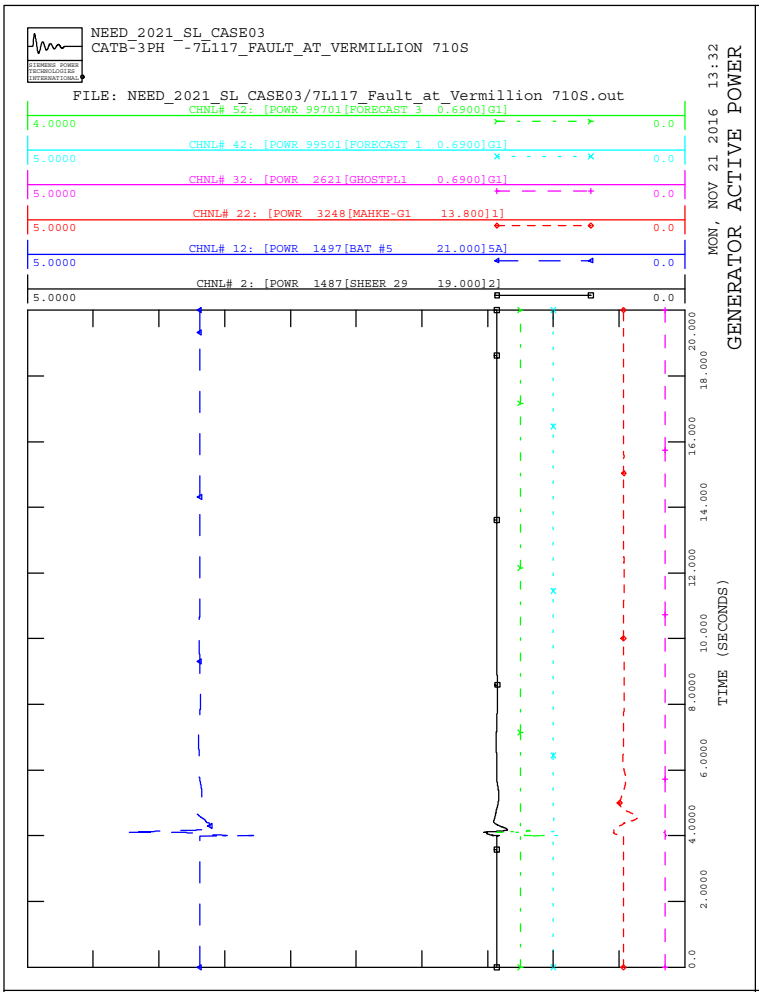
GENERATOR REACTIVE POWER

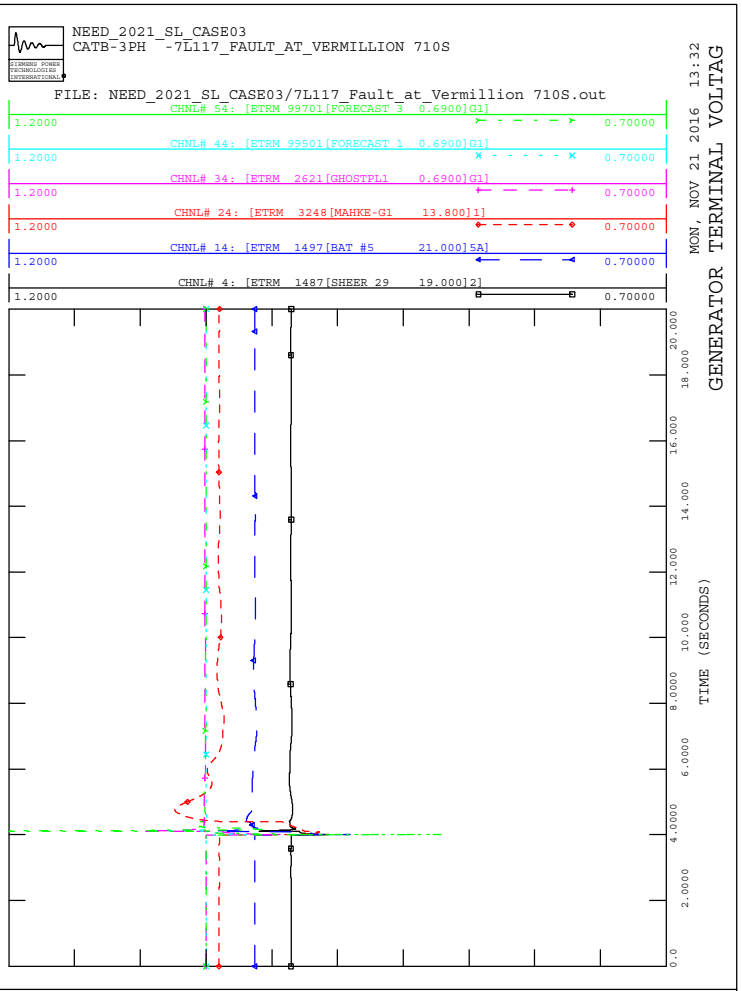

NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:32
BUS VOLTAGE

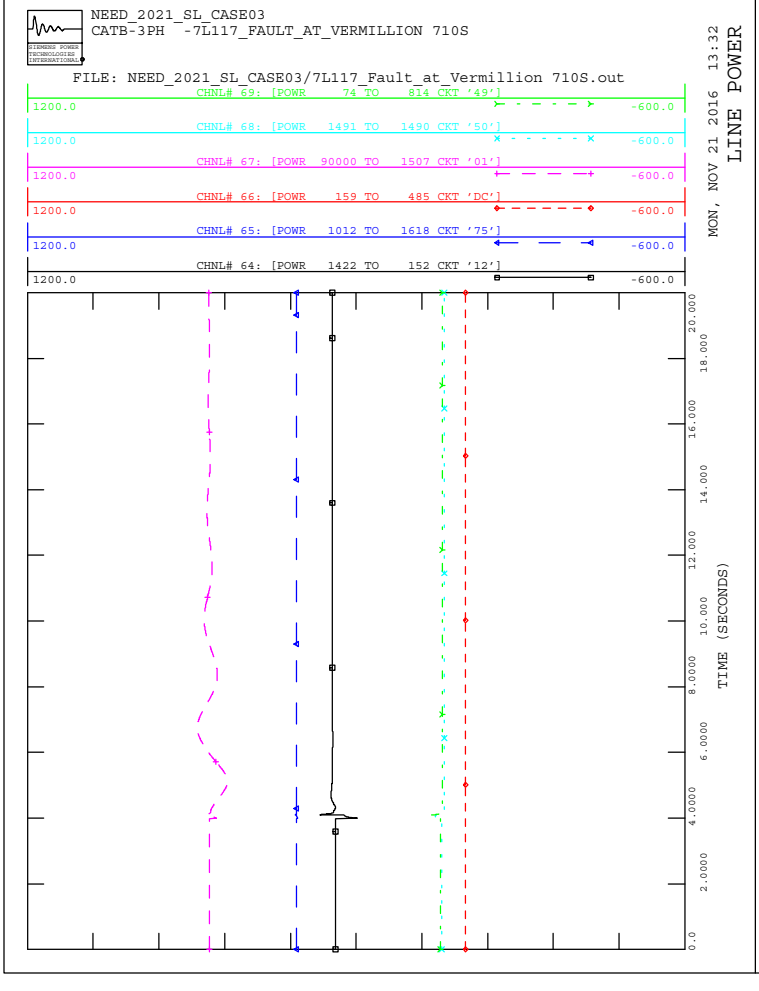

NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:32
MACHINE SPEED

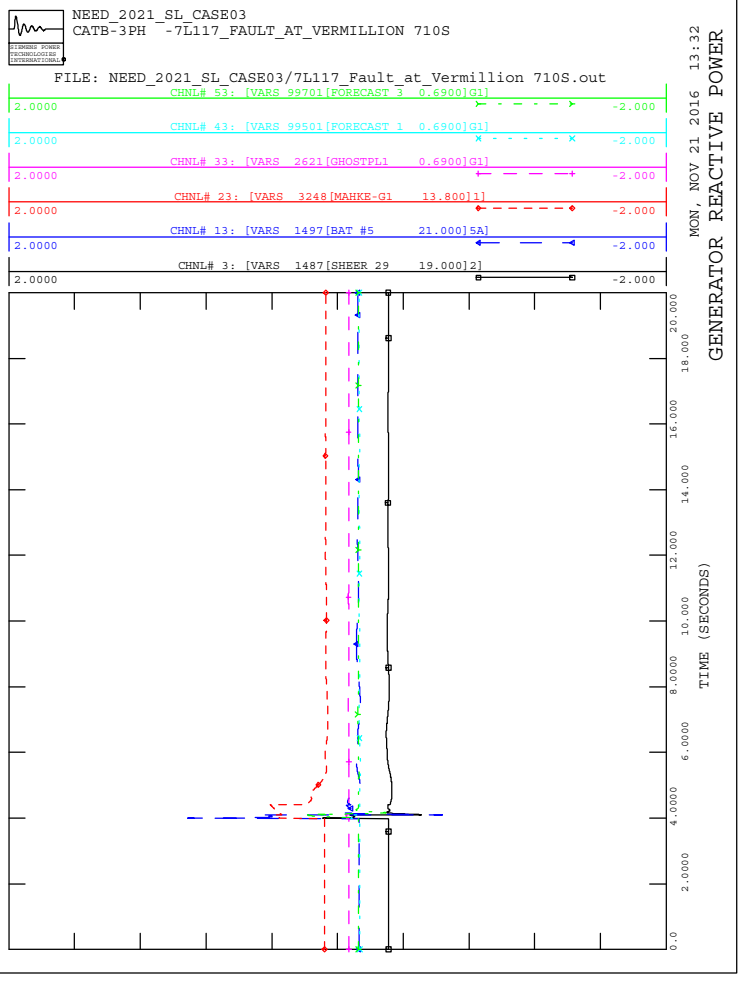

NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:32
FREQUENCY


NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:32
MACHINE ANGEL


NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:32
LINE POWER

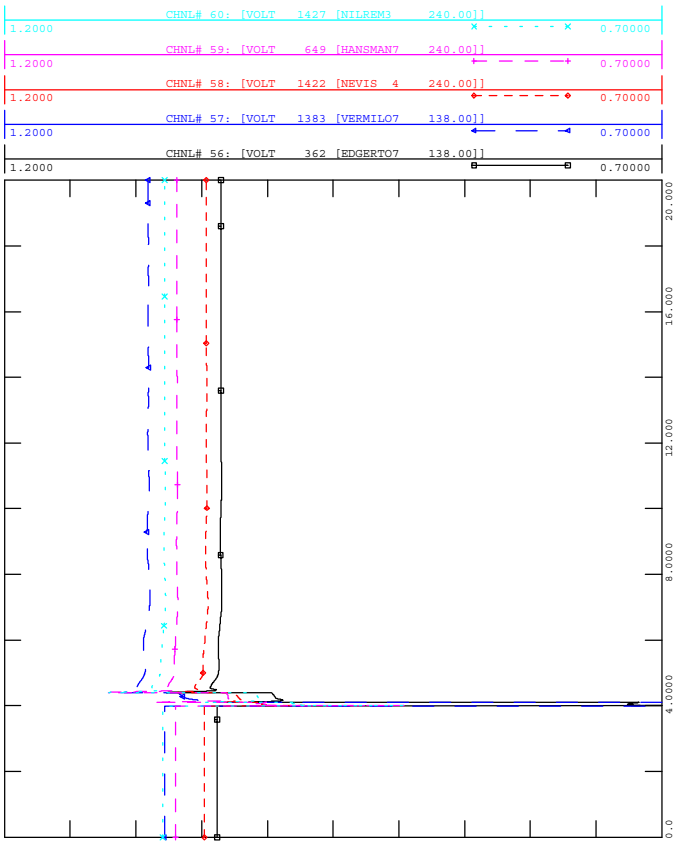

NEED_2021_SL_CASE03
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

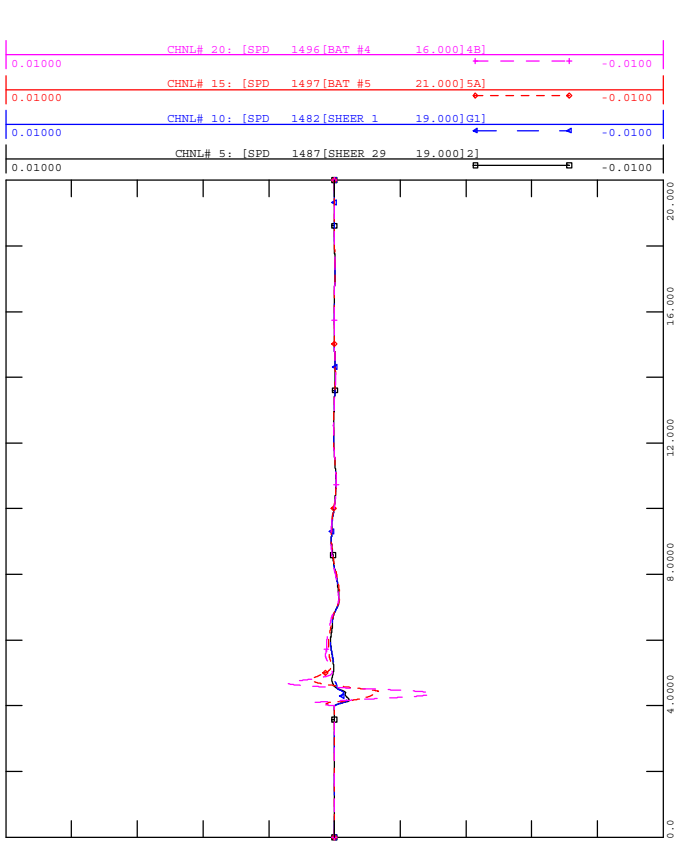


NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

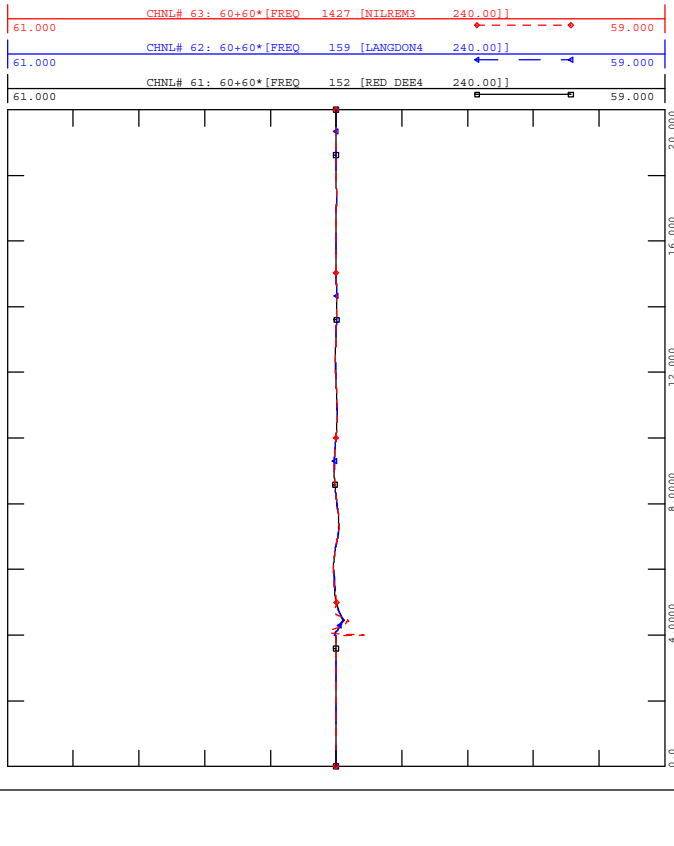


NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:32

FREQUENCY

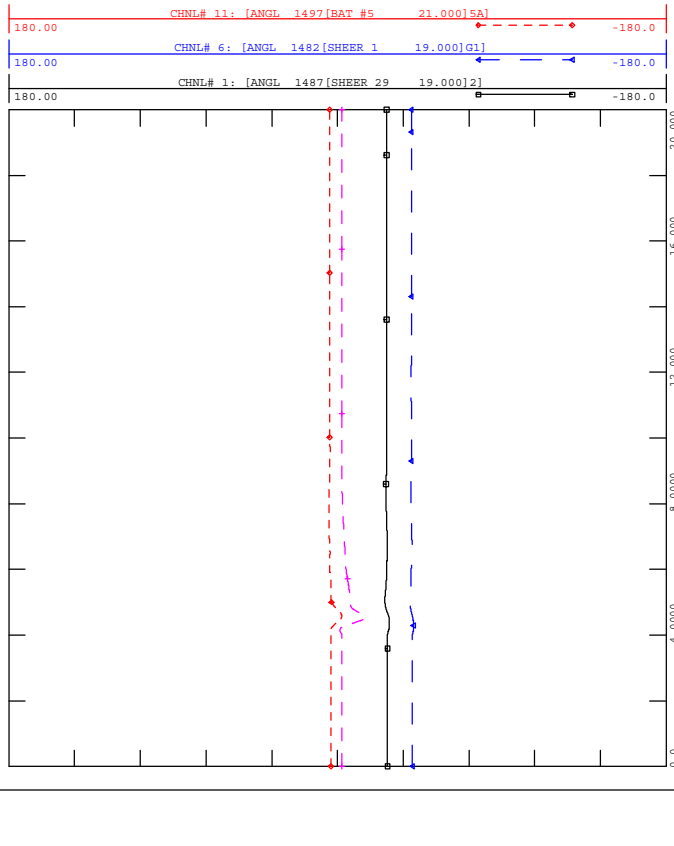


NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out

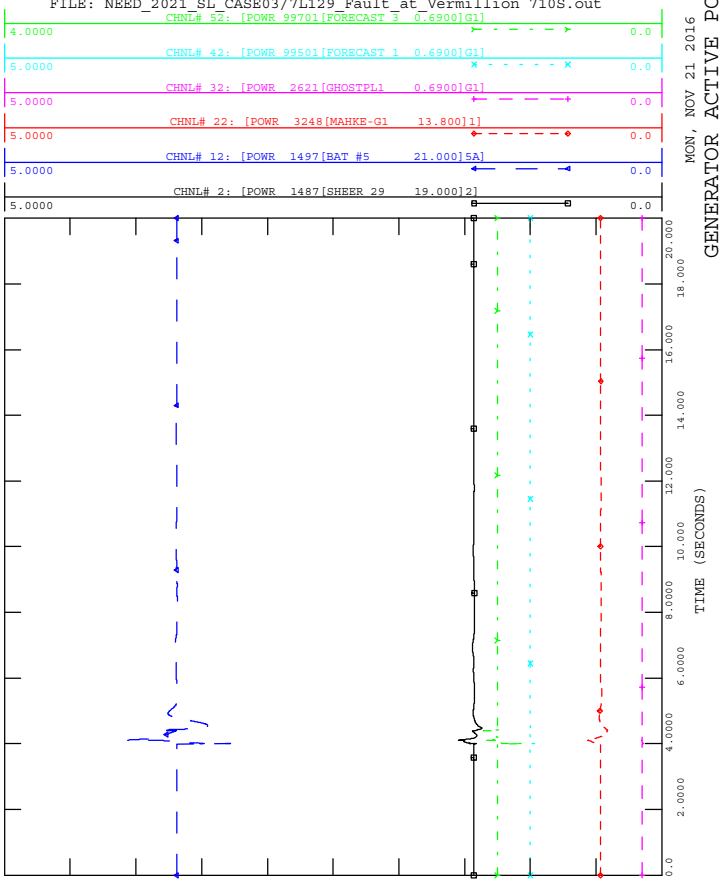
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out

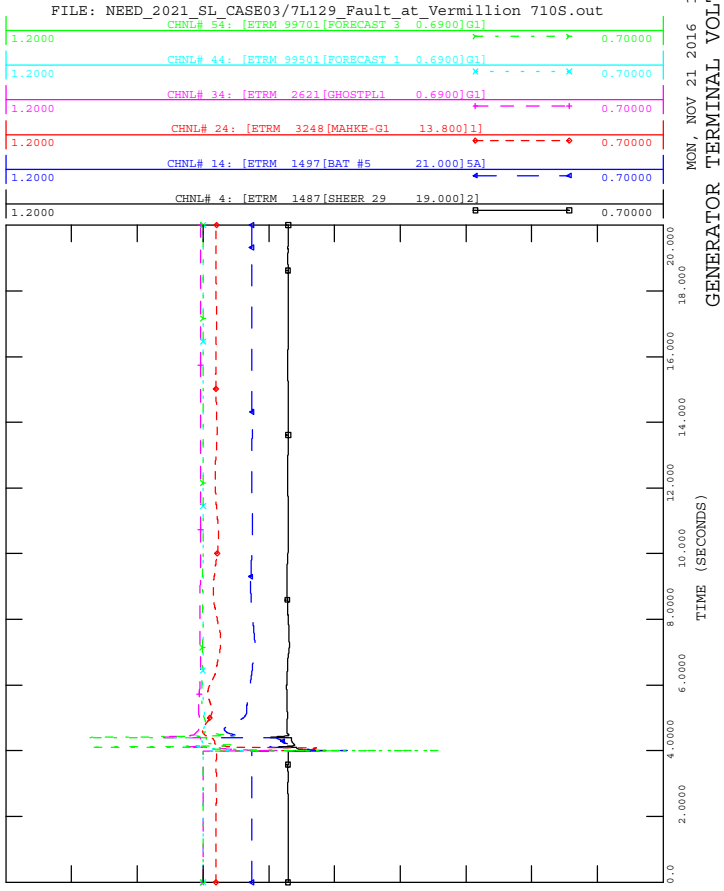


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out

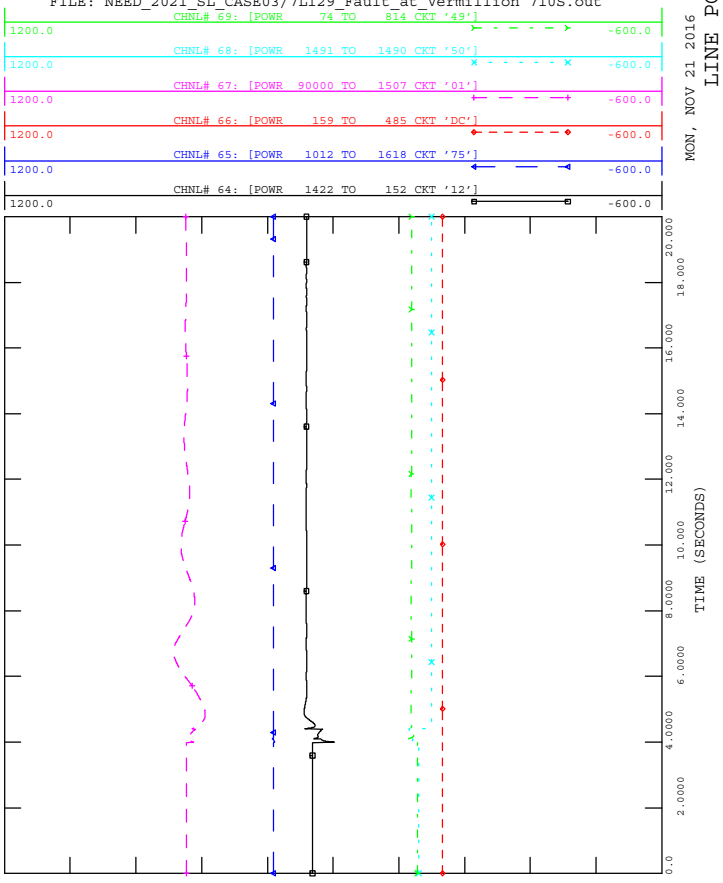


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out

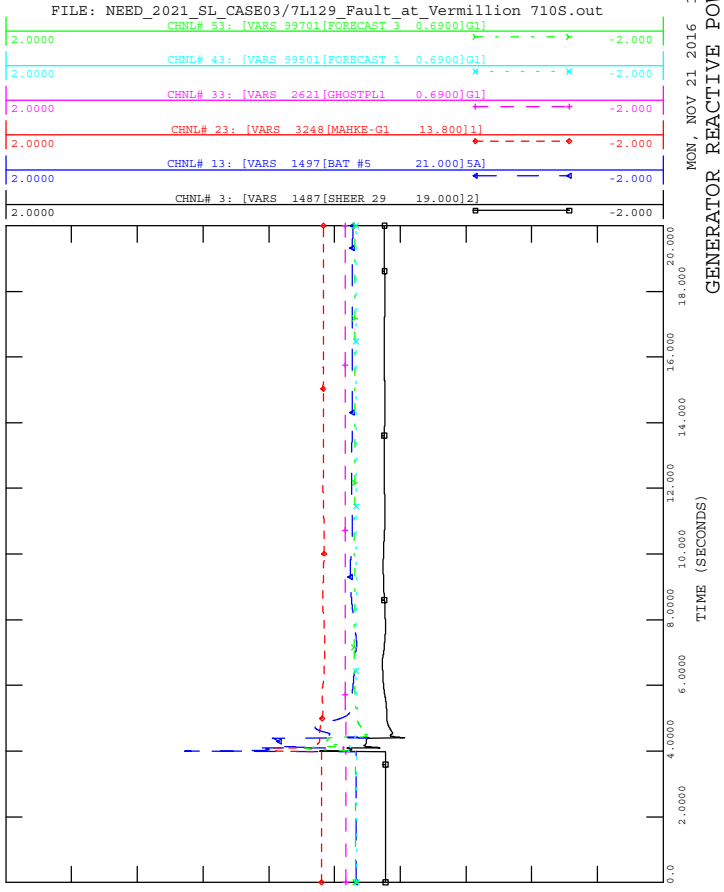


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out

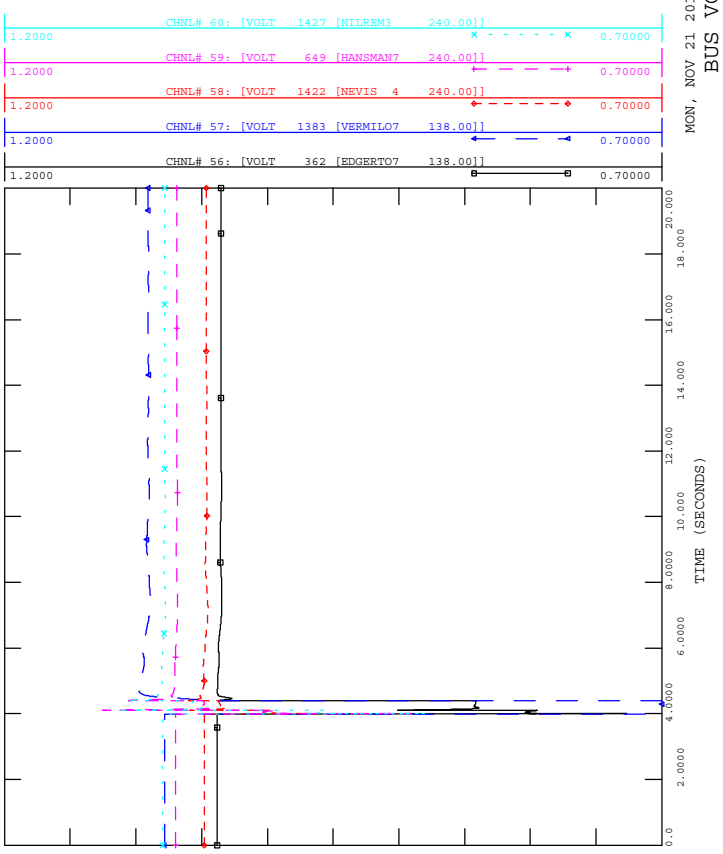


MON, NOV 21 2016 13:32

GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

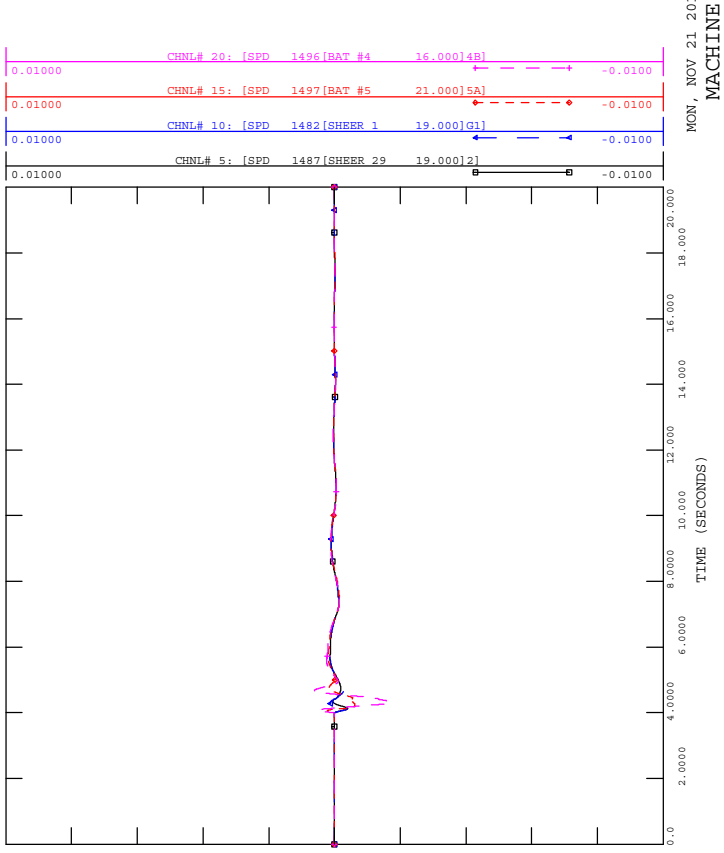
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out



MON, NOV 21 2016 13:32
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

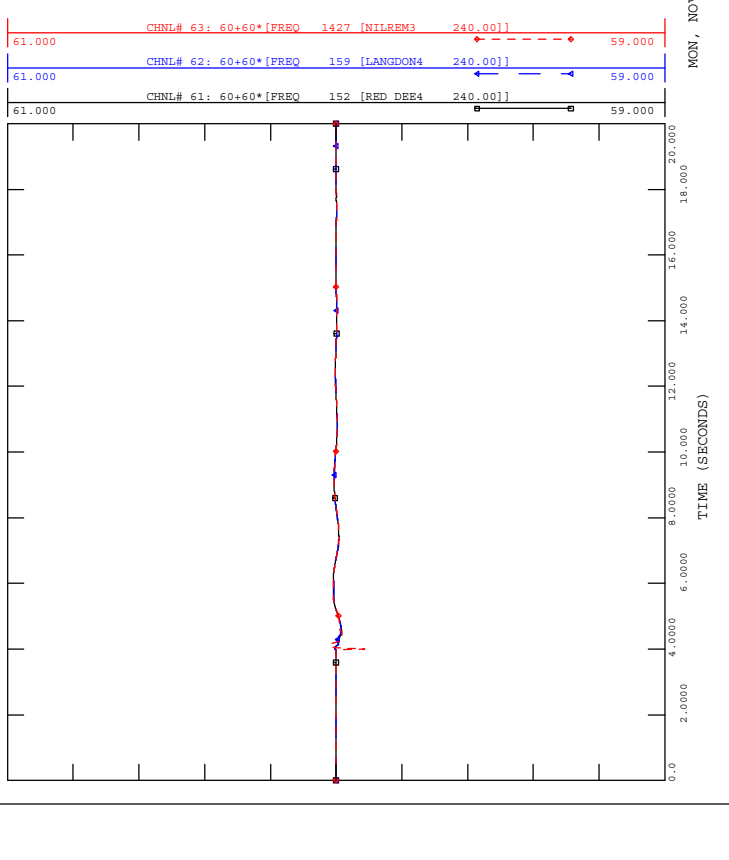
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out



MON, NOV 21 2016 13:32
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

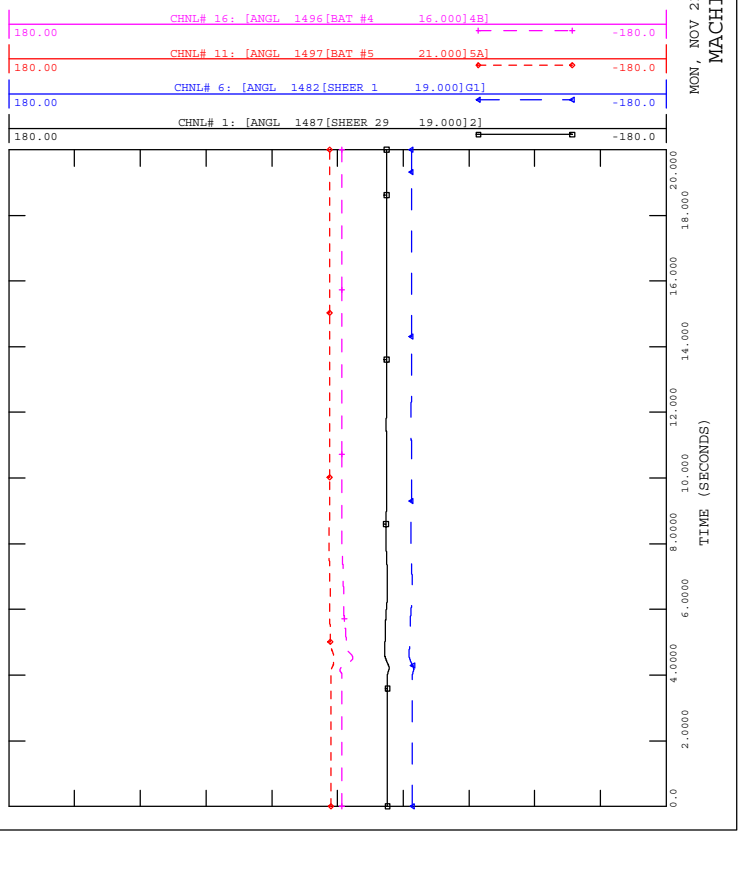
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out



MON, NOV 21 2016 13:32
FREQUENCY

NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

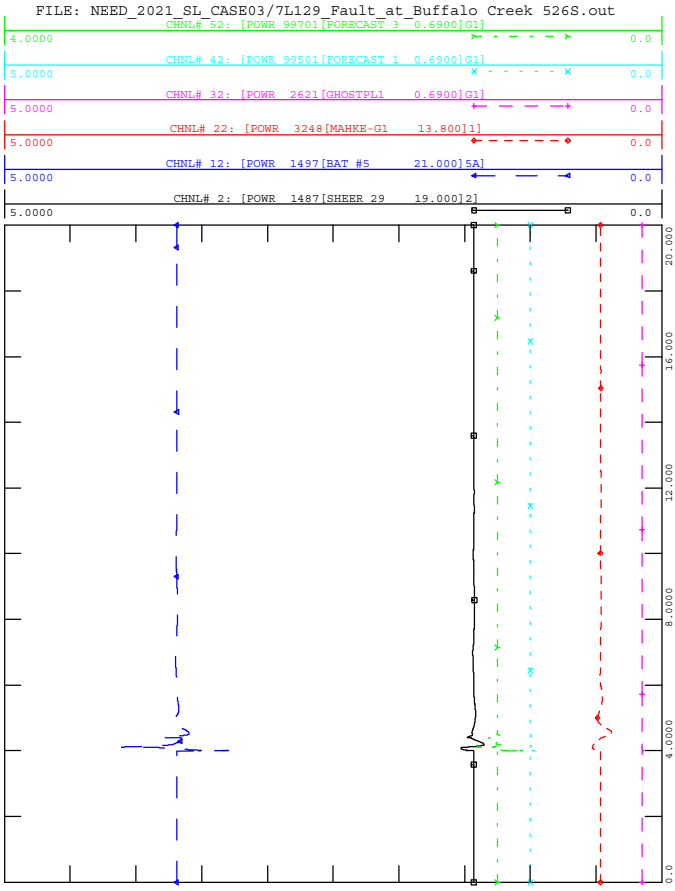
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out



MON, NOV 21 2016 13:32
MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

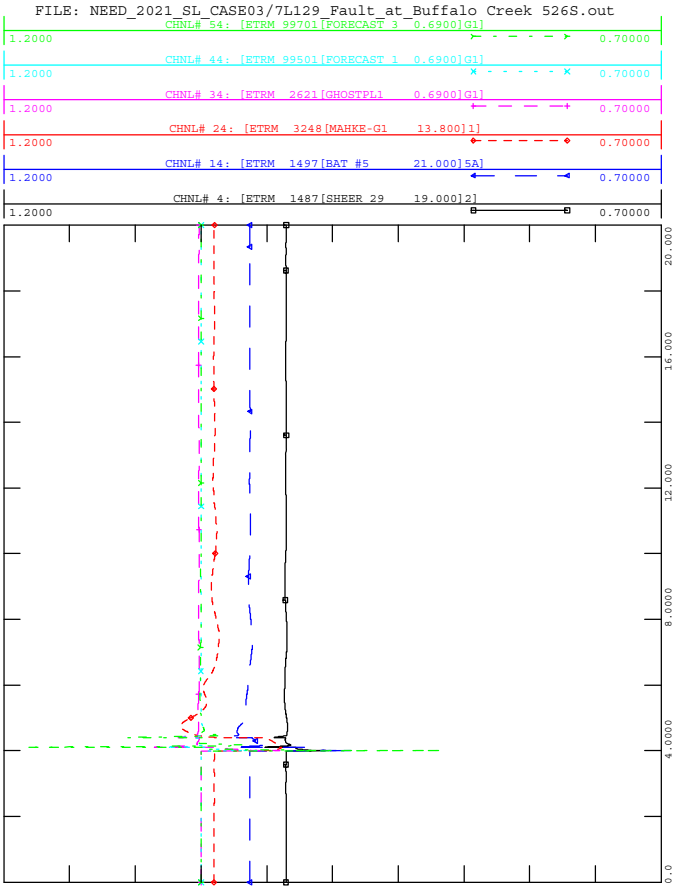
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out



MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

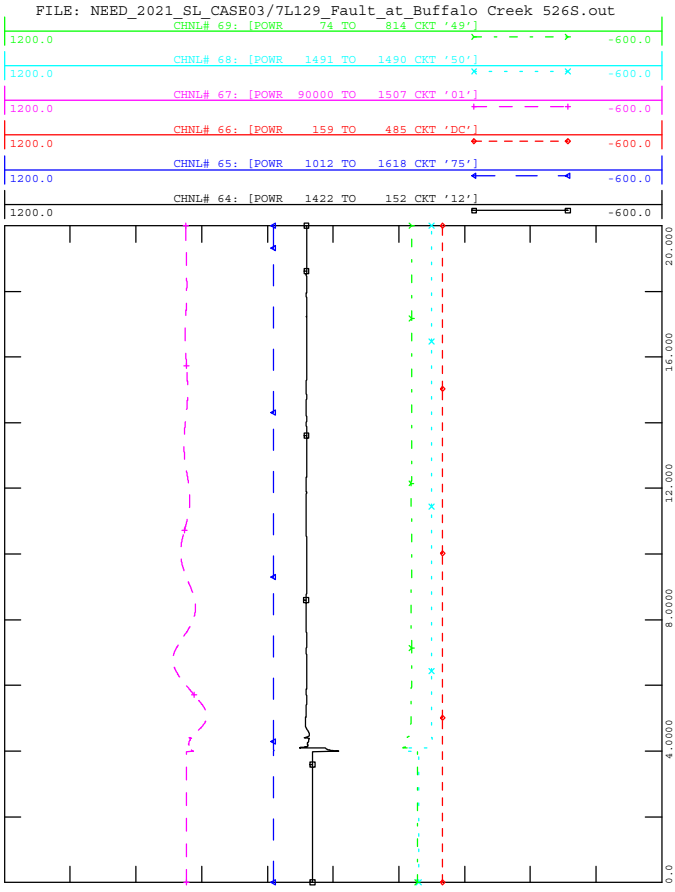
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out



MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

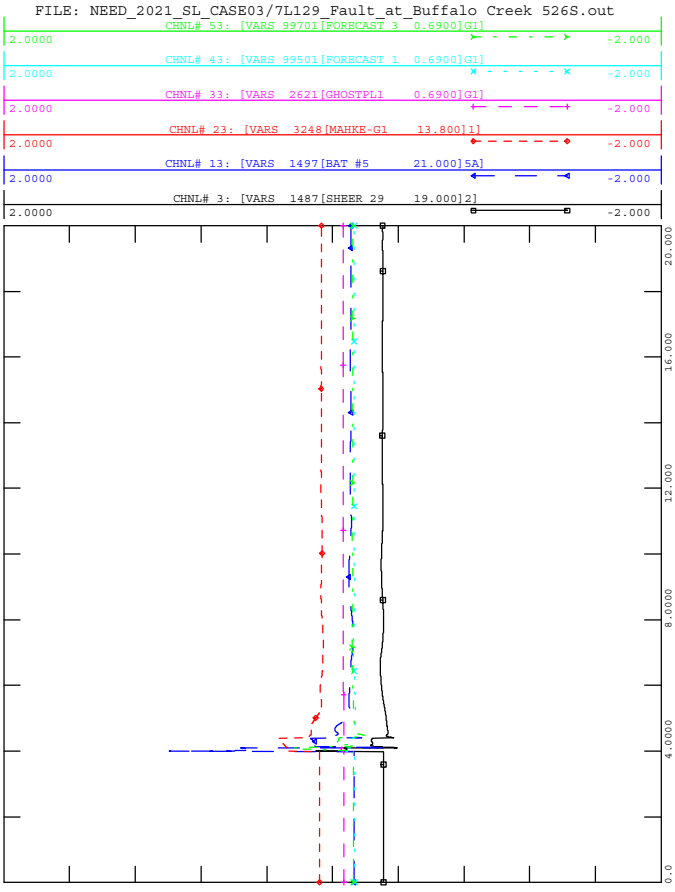
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out



MON, NOV 21 2016 13:32
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

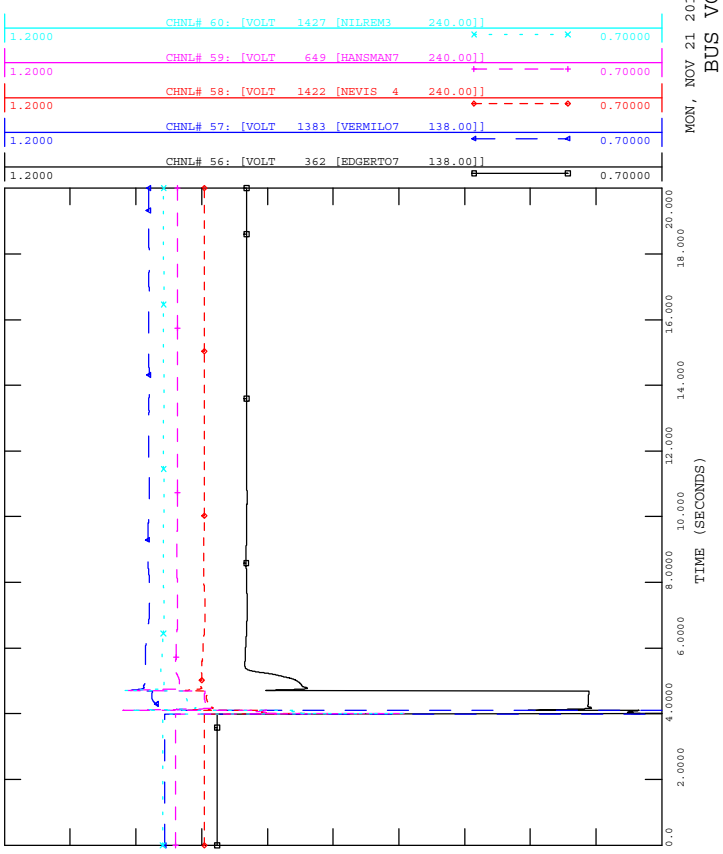
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out



MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

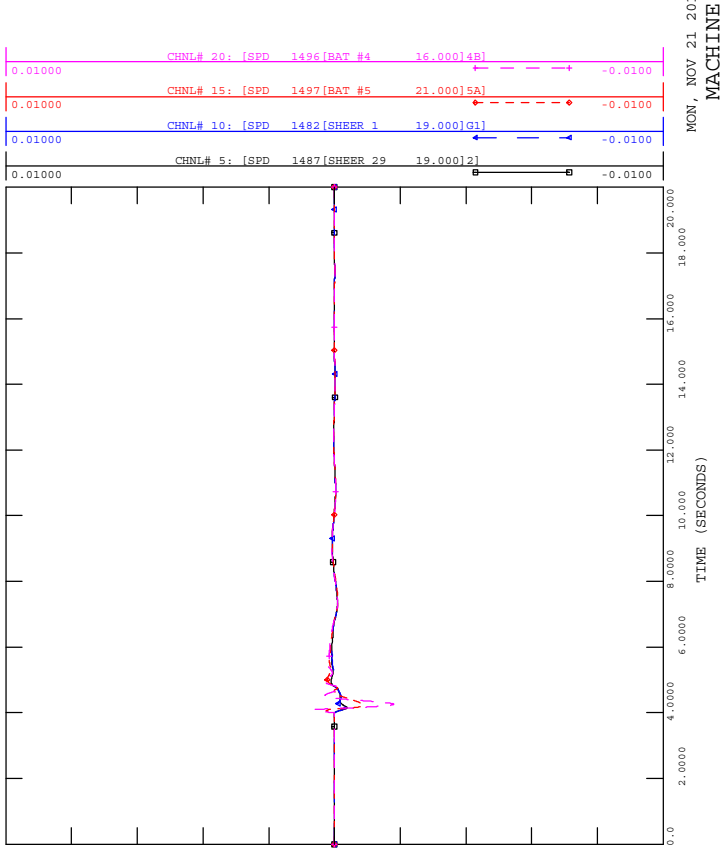
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 13:32
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

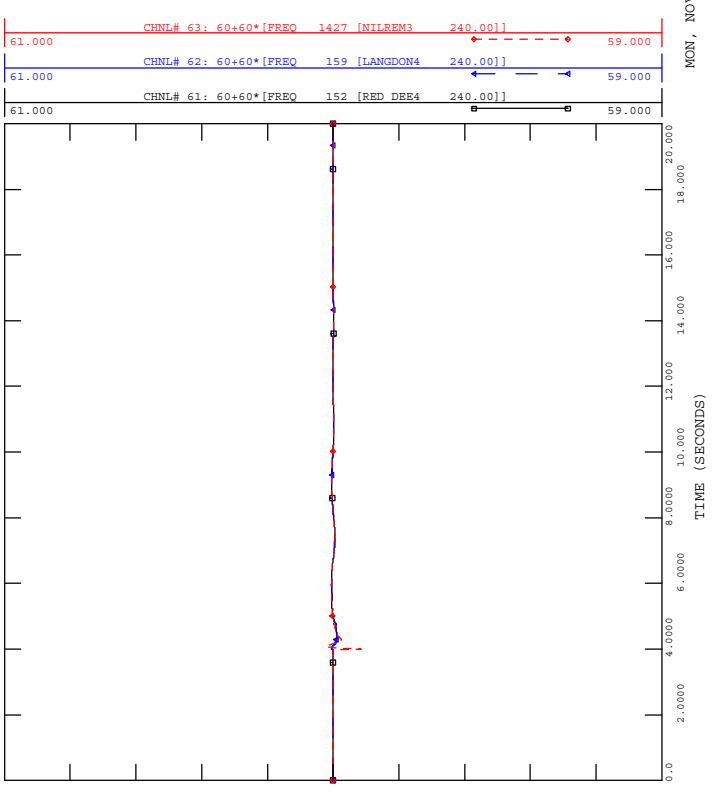
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 13:32
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

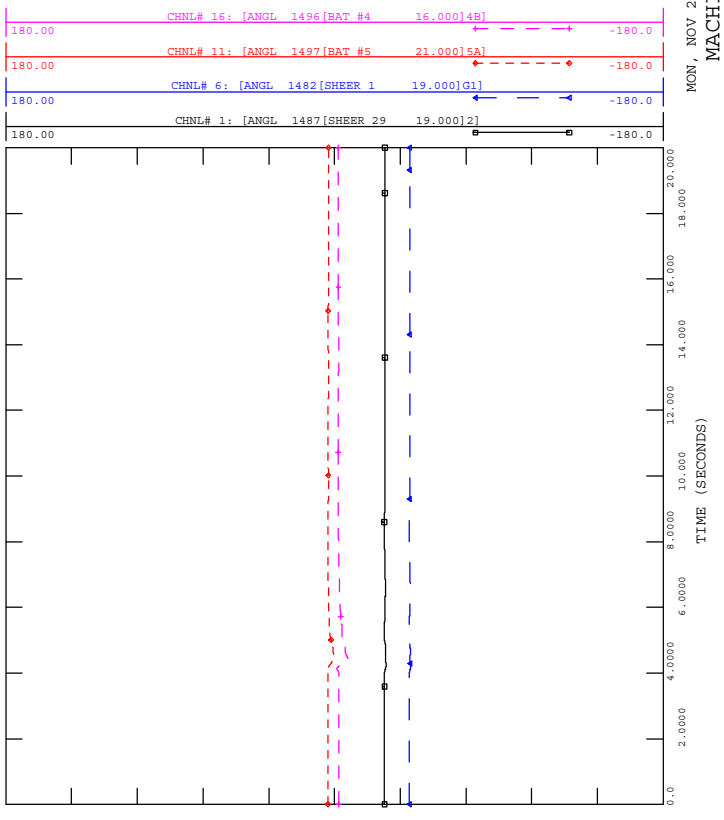
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out



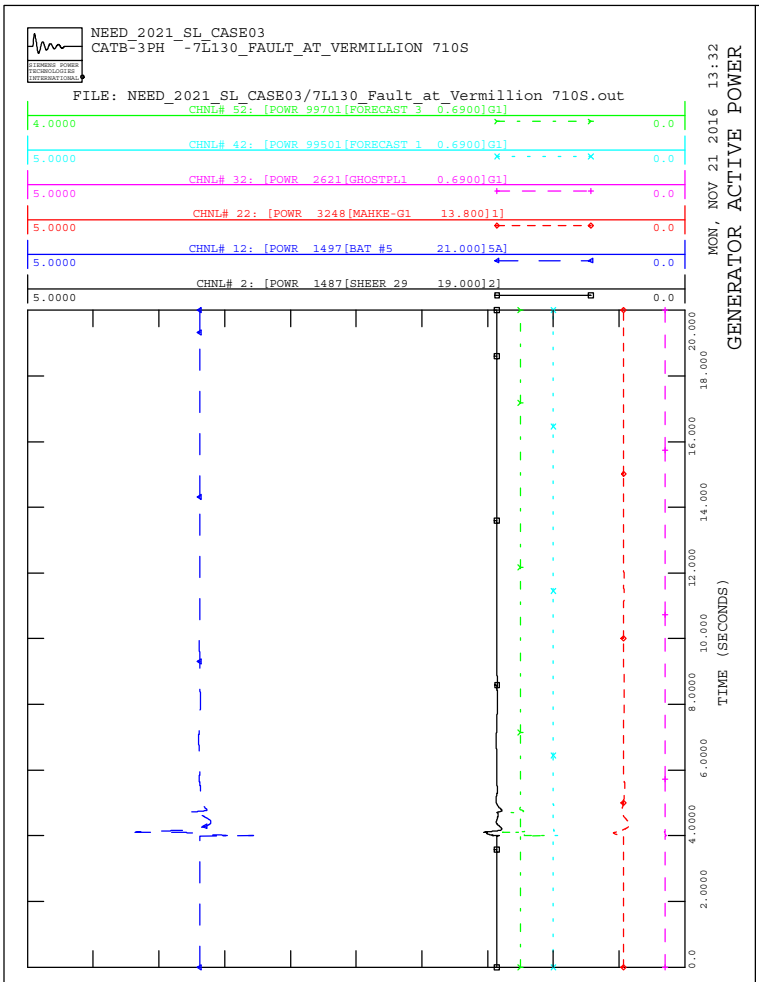
MON, NOV 21 2016 13:32
FREQUENCY

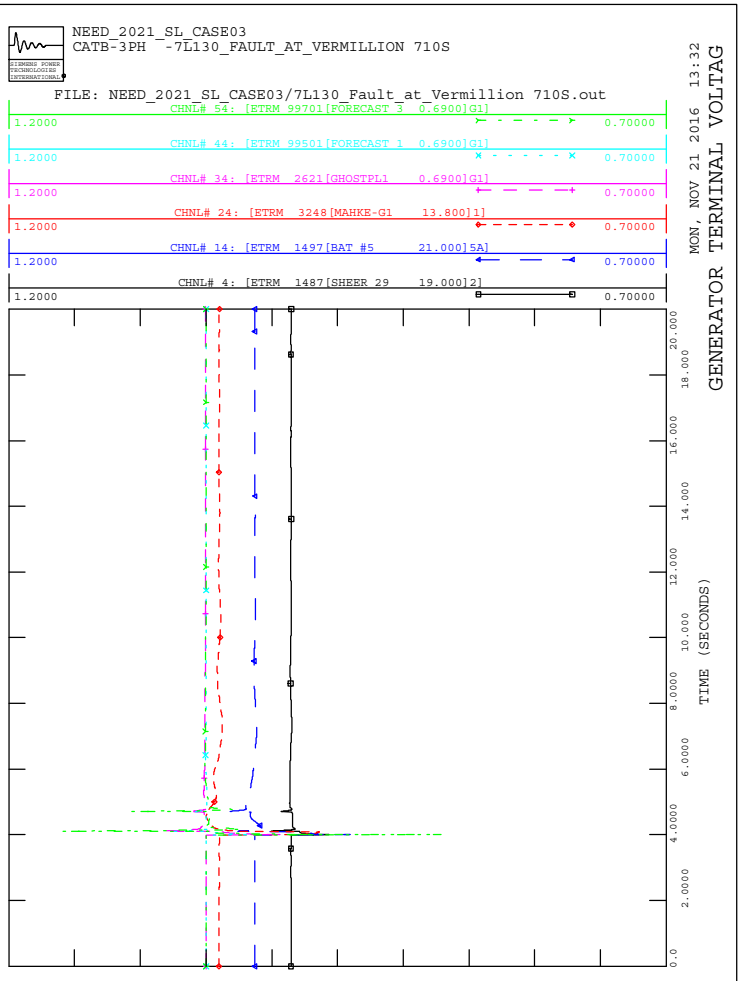
NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

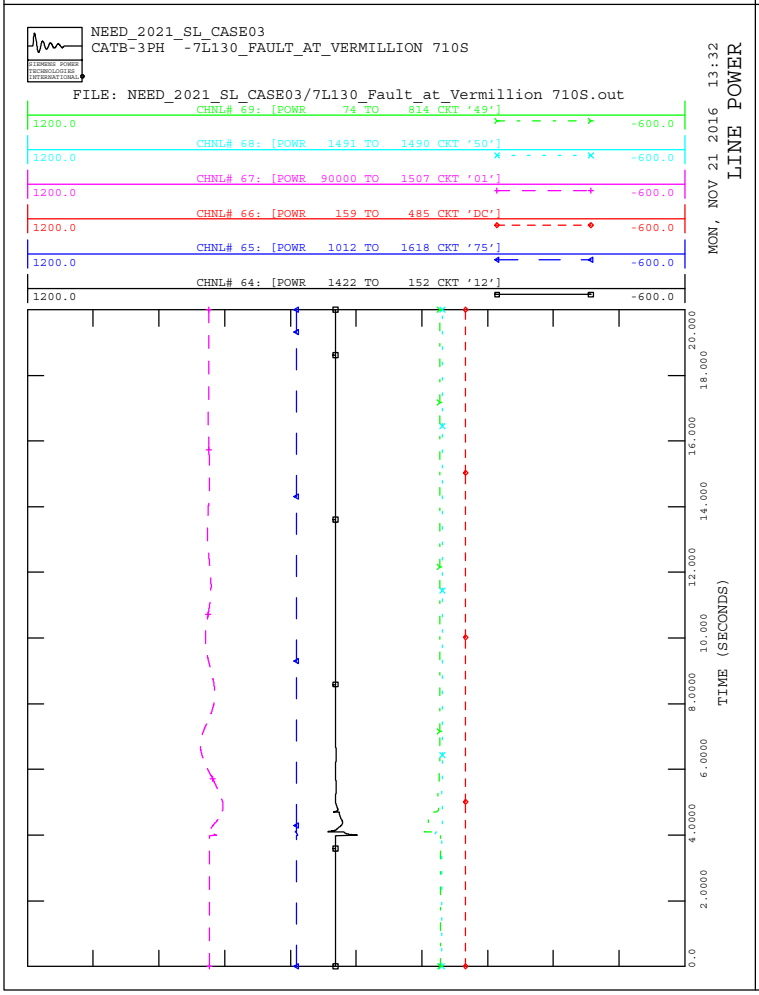
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out

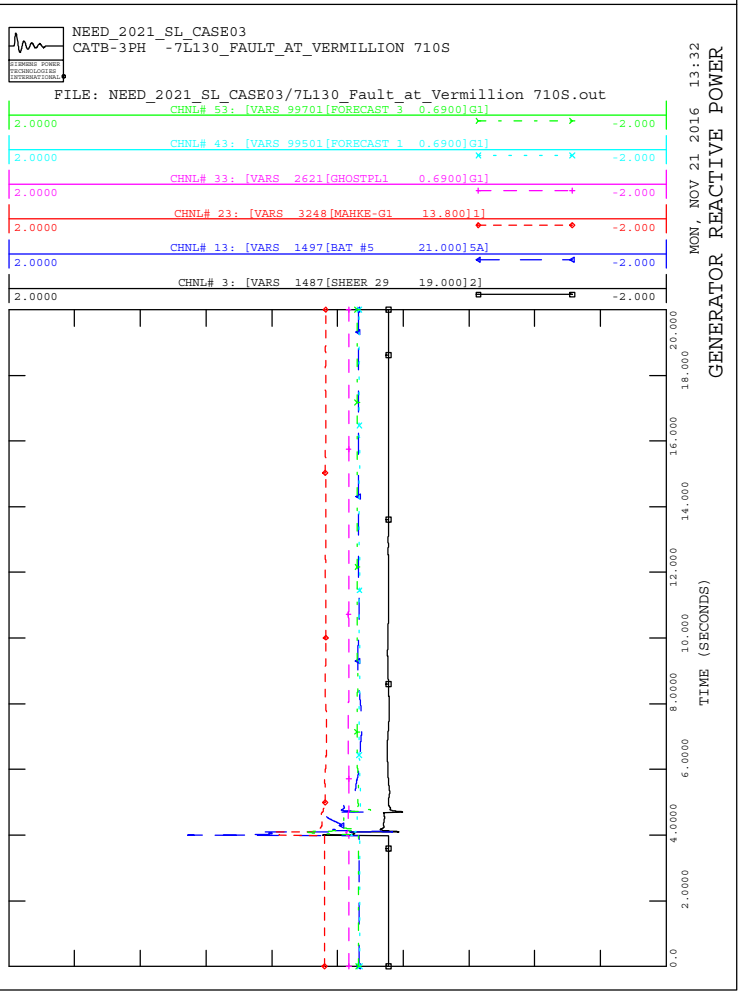


MON, NOV 21 2016 13:32
MACHINE ANGEL


NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER

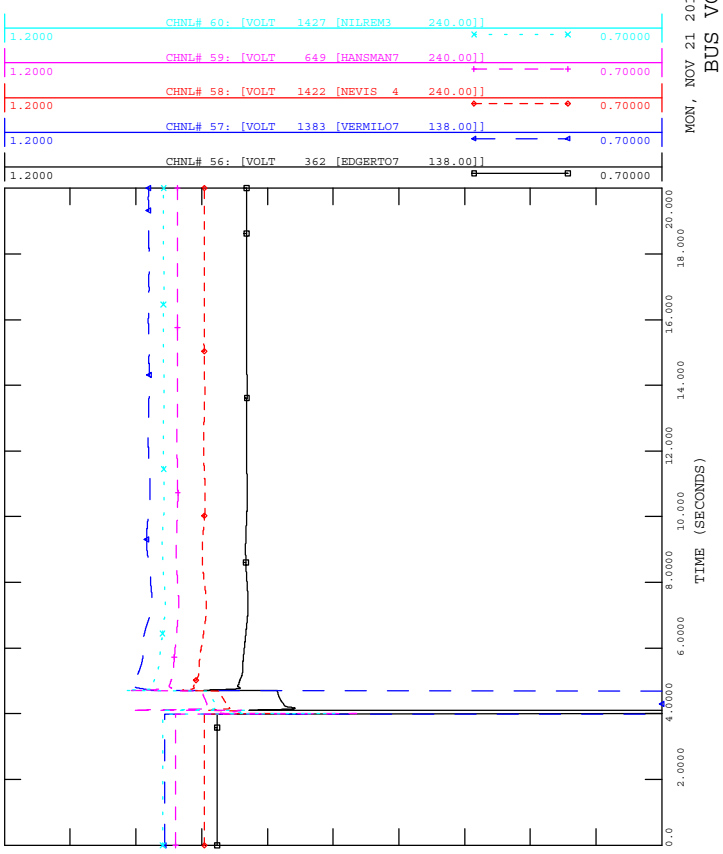

NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 21 2016 13:32
LINE POWER


NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

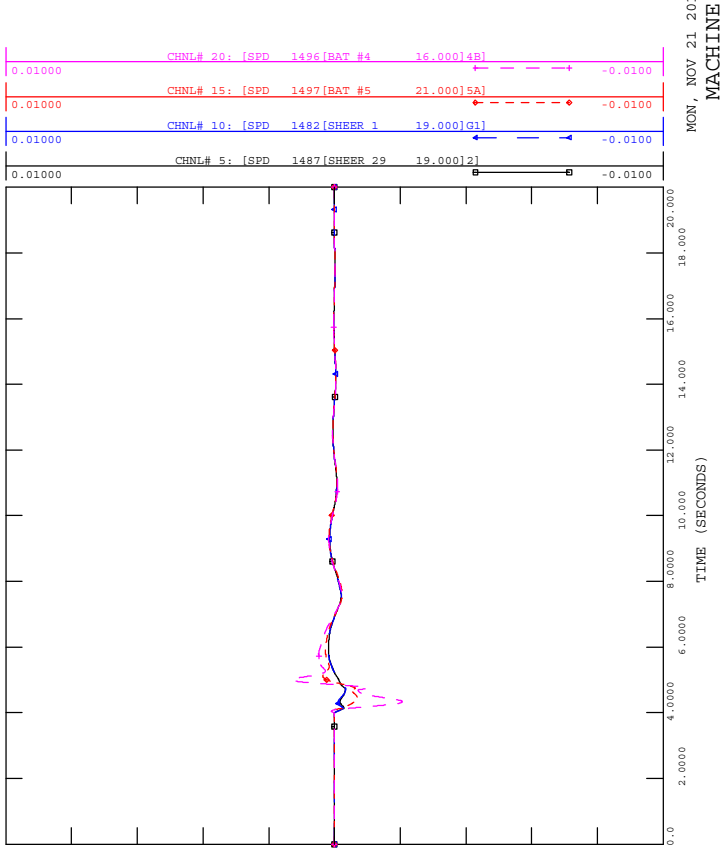
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 13:32
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

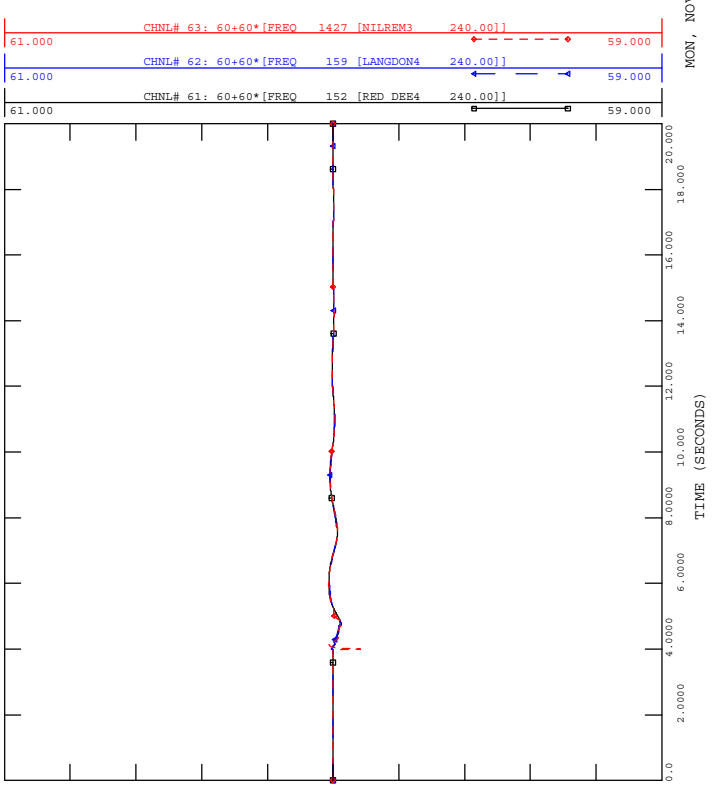
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 13:32
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

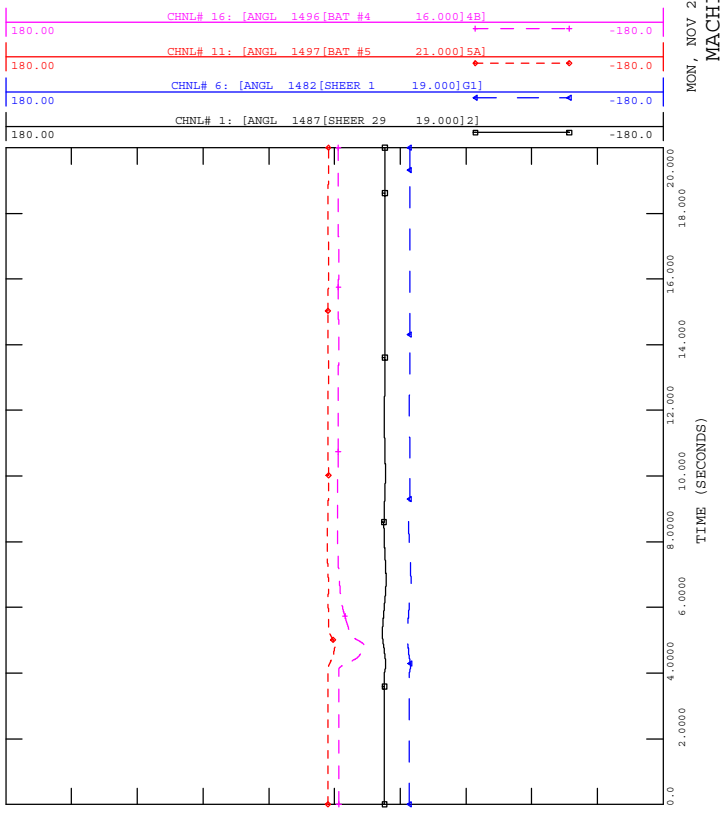
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out



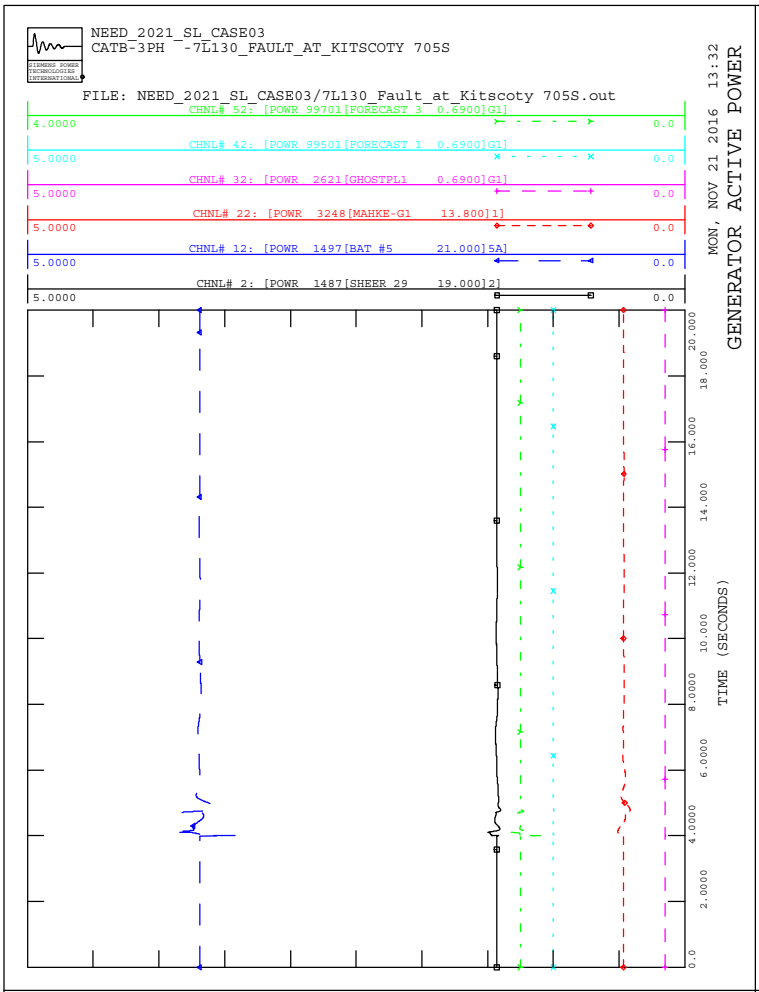
MON, NOV 21 2016 13:32
FREQUENCY

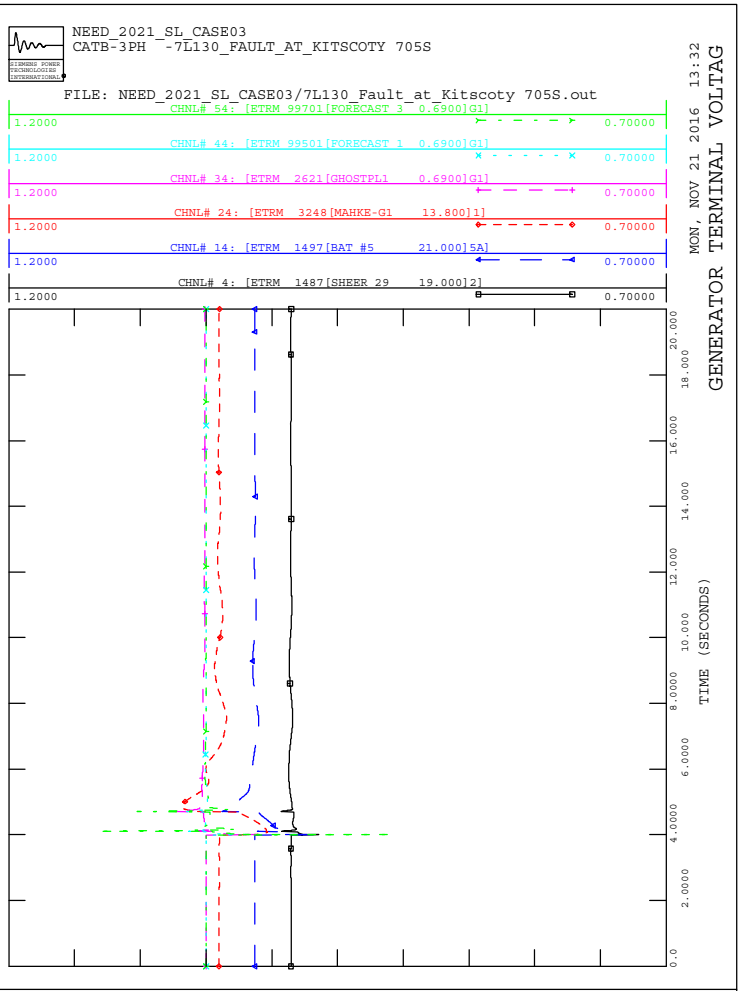
NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

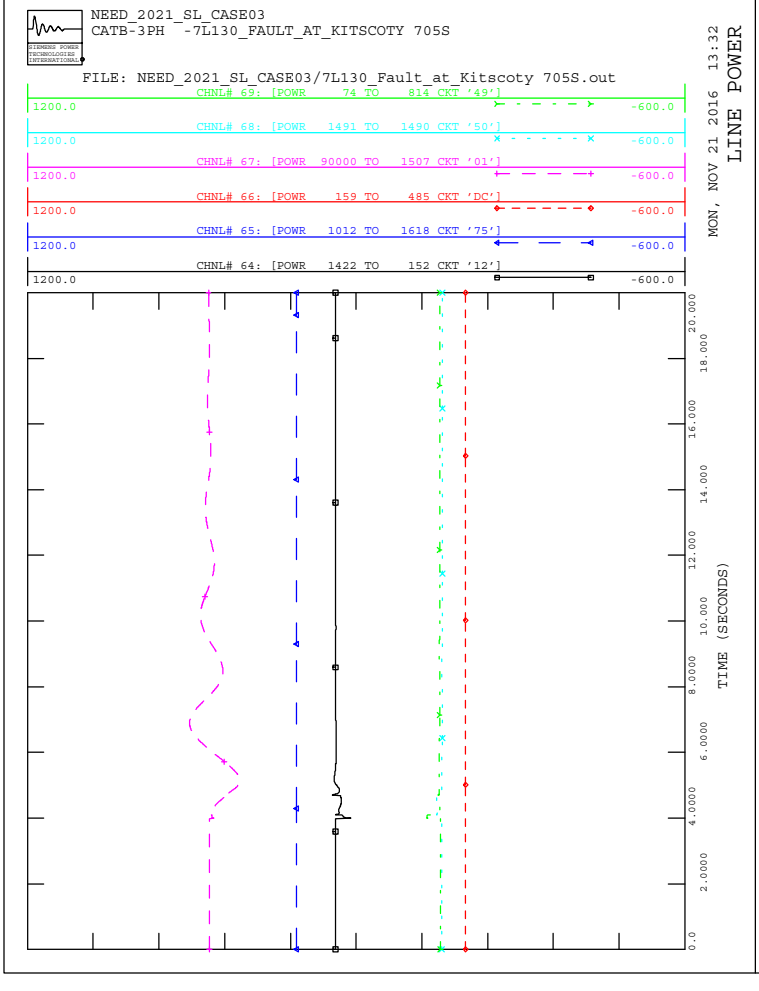
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out

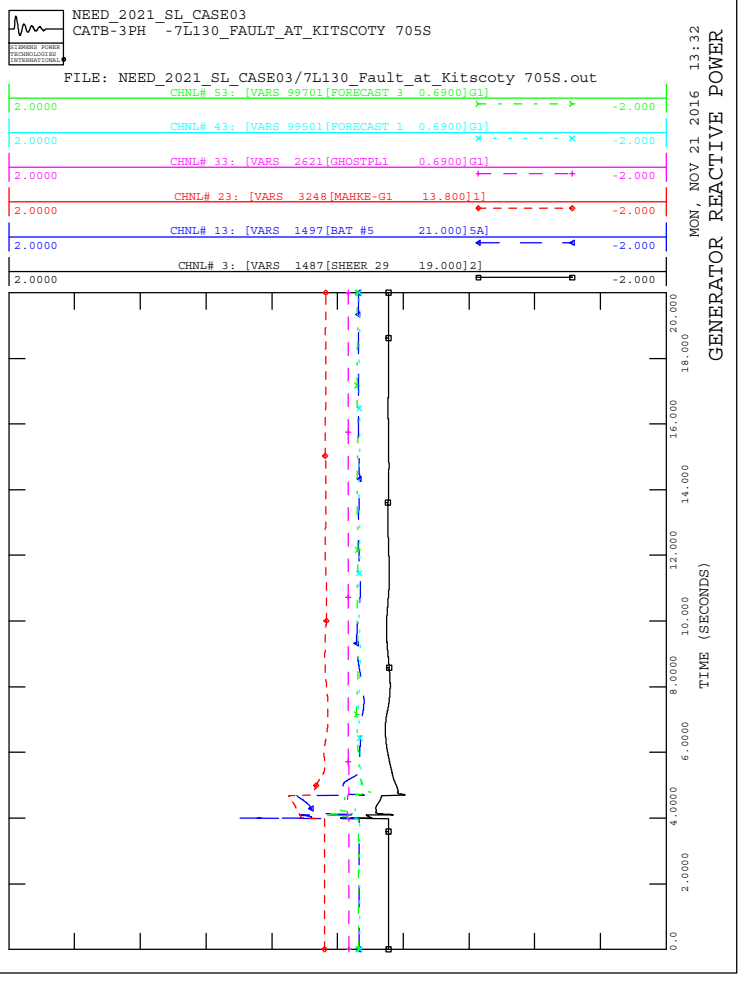


MON, NOV 21 2016 13:32
MACHINE ANGEL


NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 21 2016 13:32
LINE POWER

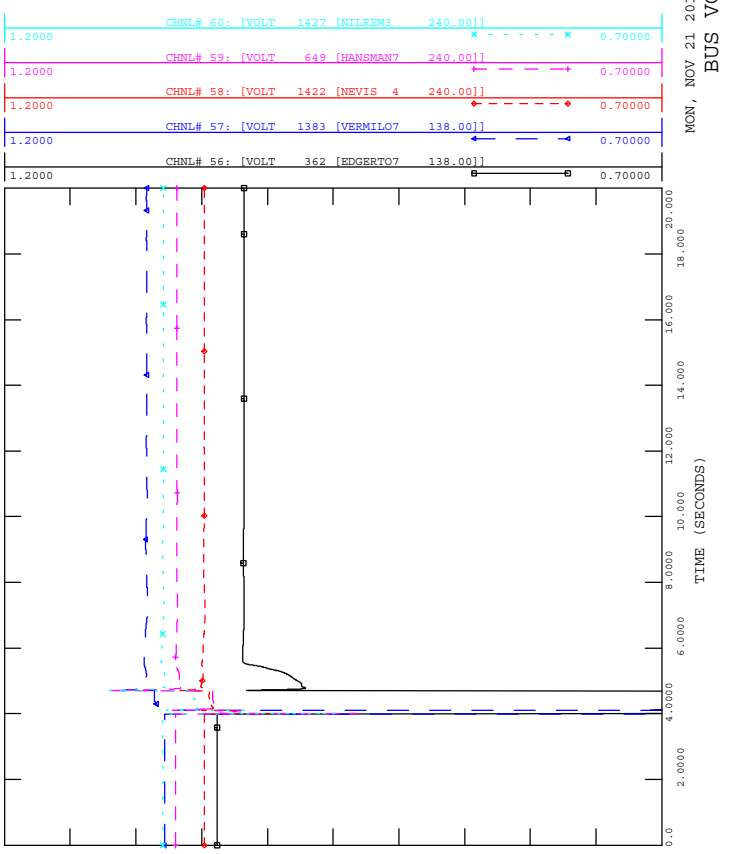

NEED_2021_SL_CASE03
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

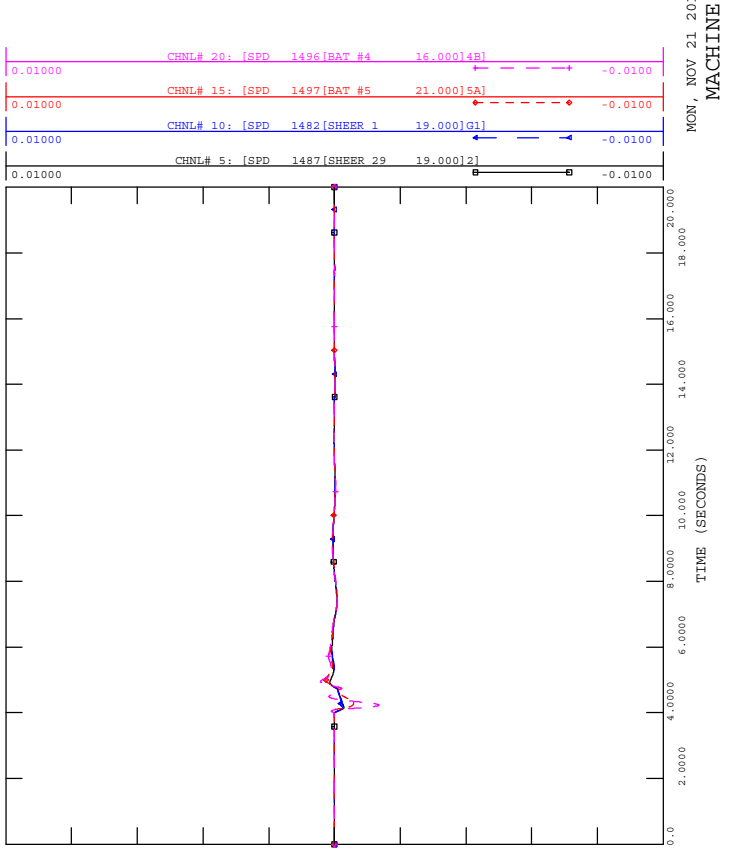


NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

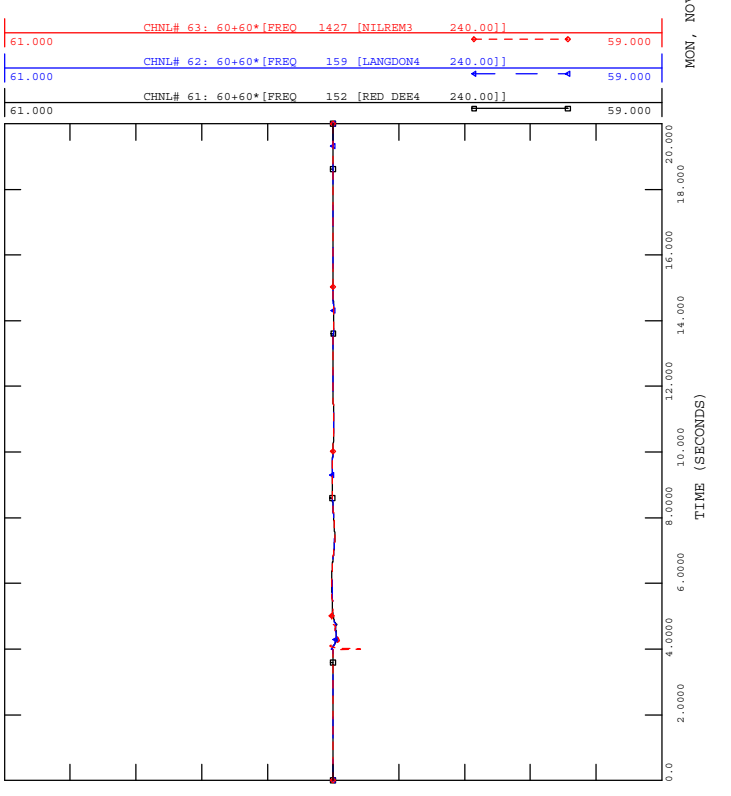


NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out

MON, NOV 21 2016 13:32

FREQUENCY

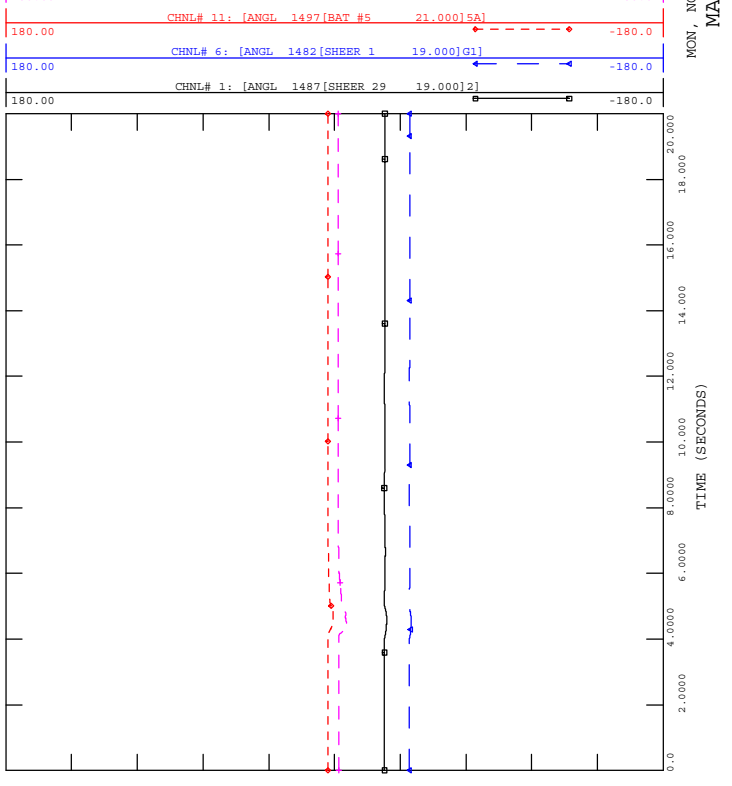


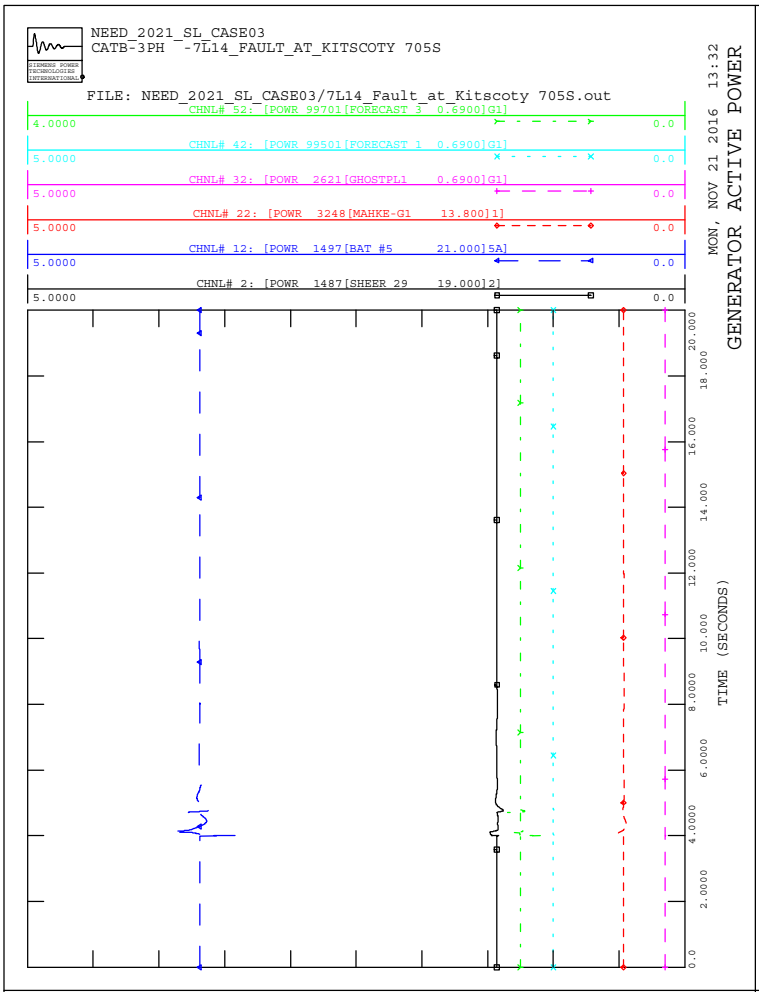
NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

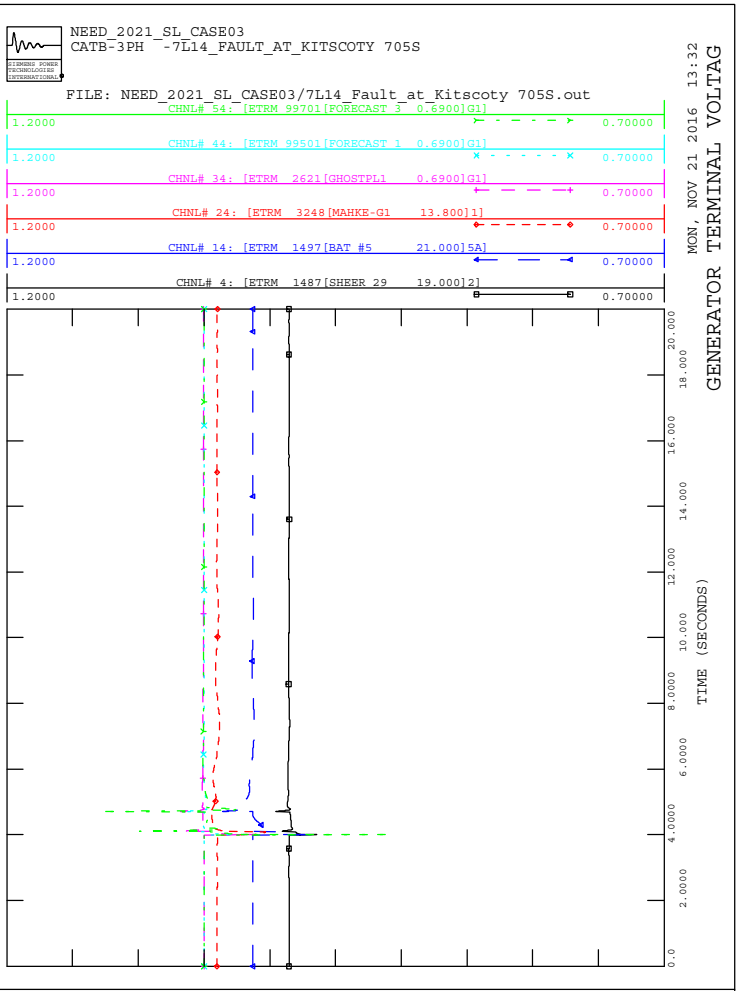
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out

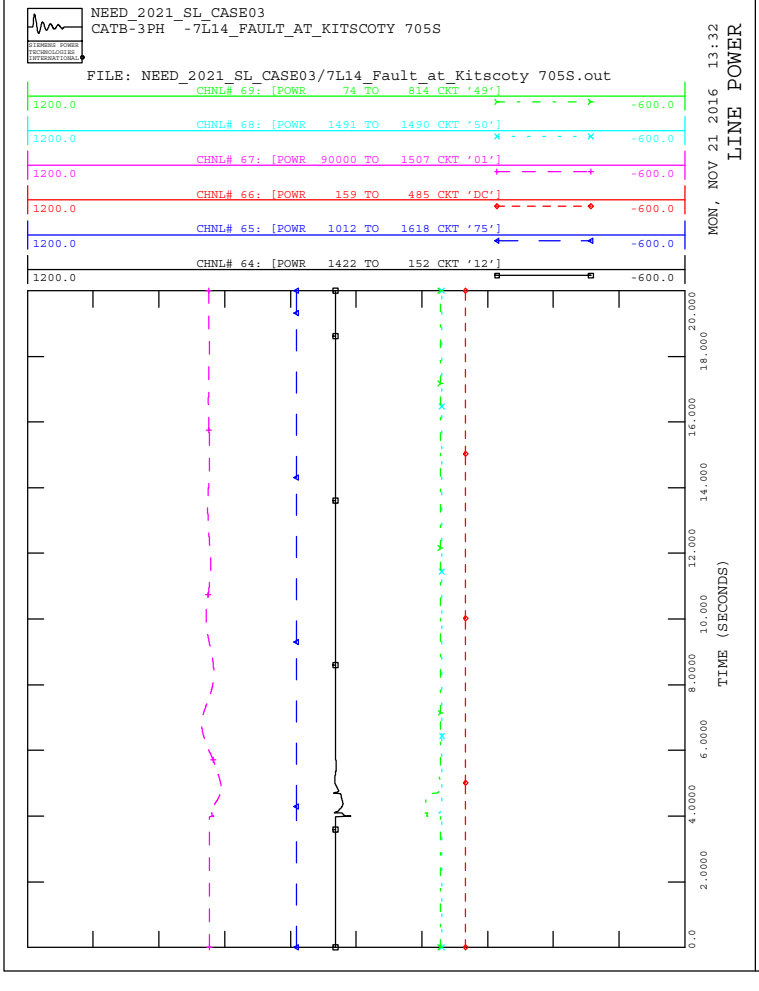
MON, NOV 21 2016 13:32

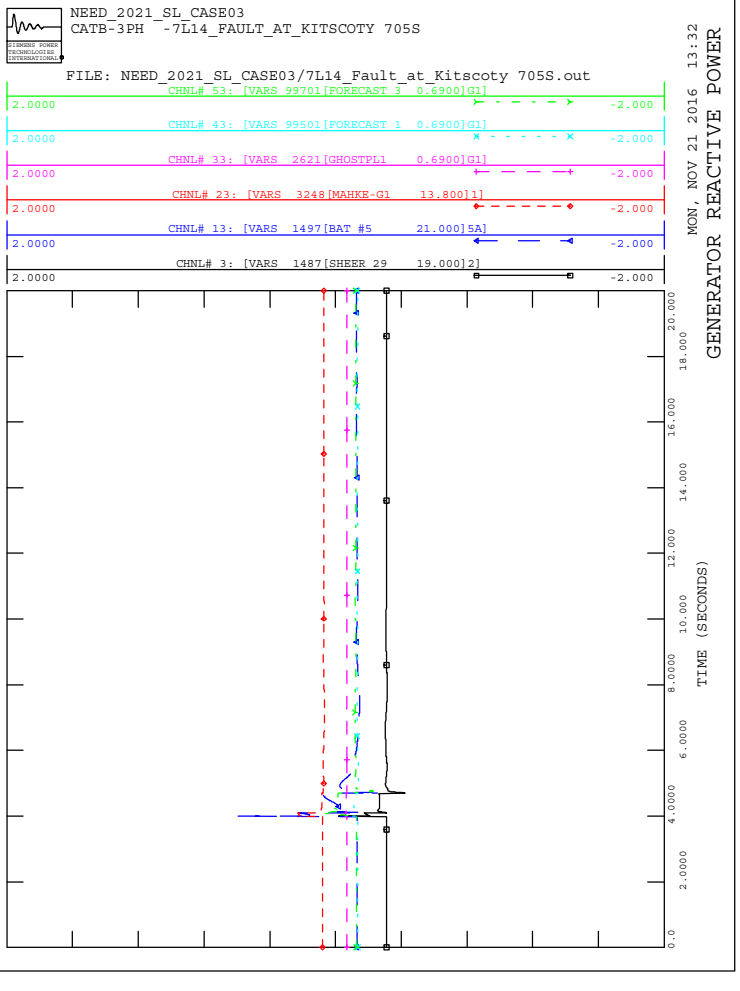
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:32
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:32
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:32
TIME (SECONDS)

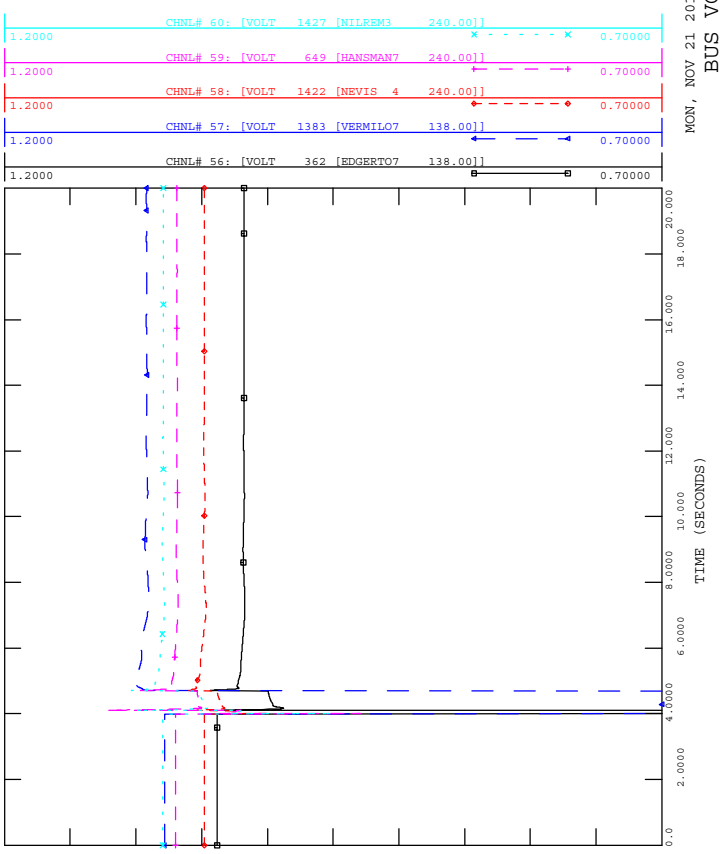

NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:32
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

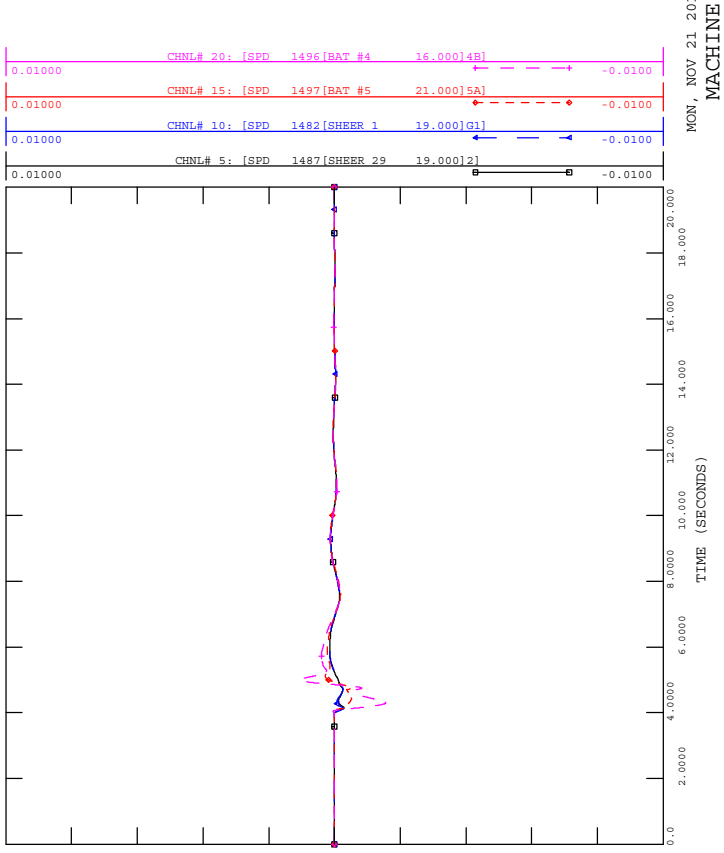


NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

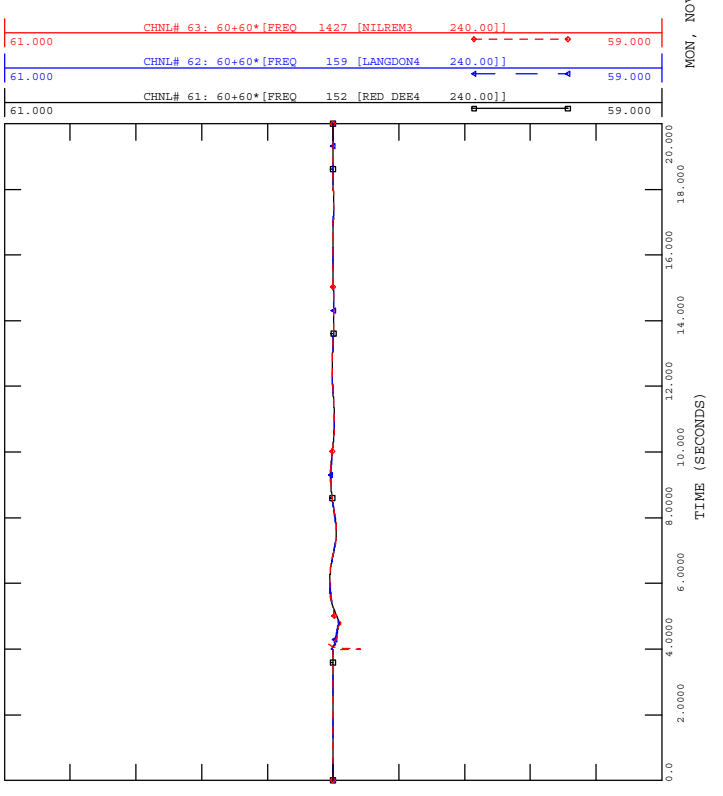


NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:32

FREQUENCY

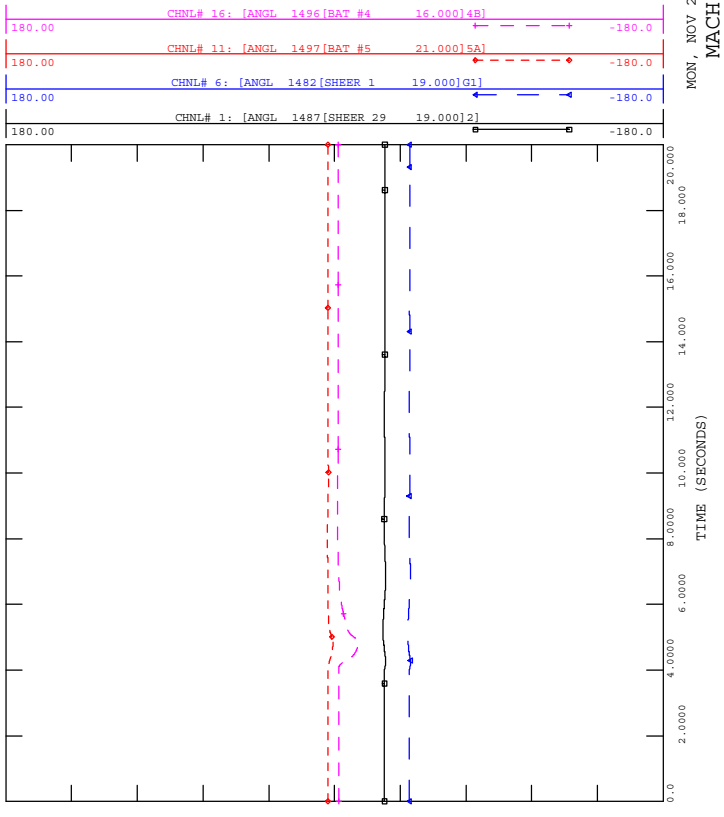


NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out

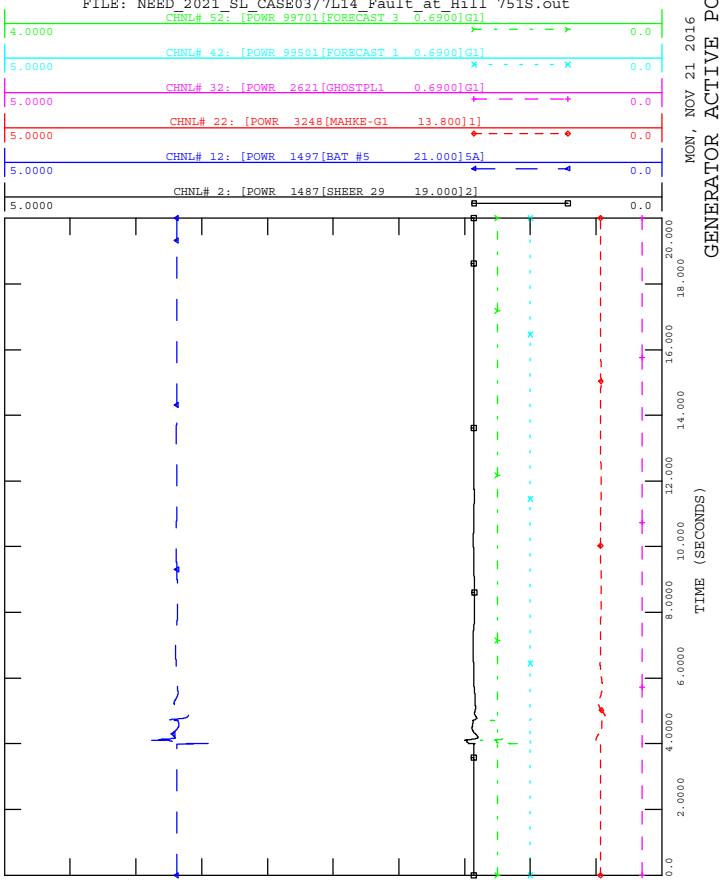
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_HILL 751S

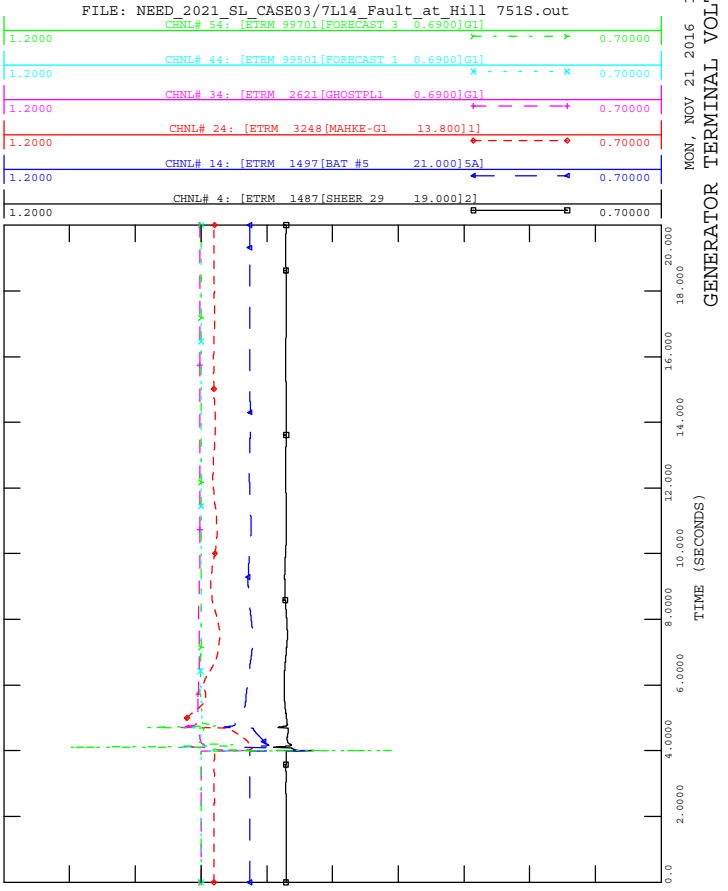
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out



MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_HILL 751S

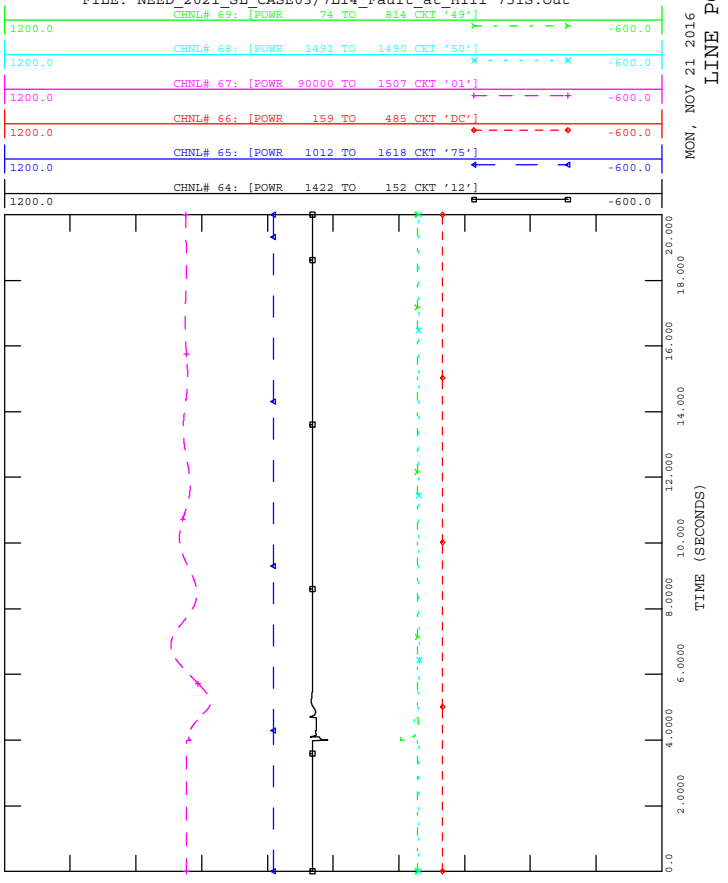
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out



MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_HILL 751S

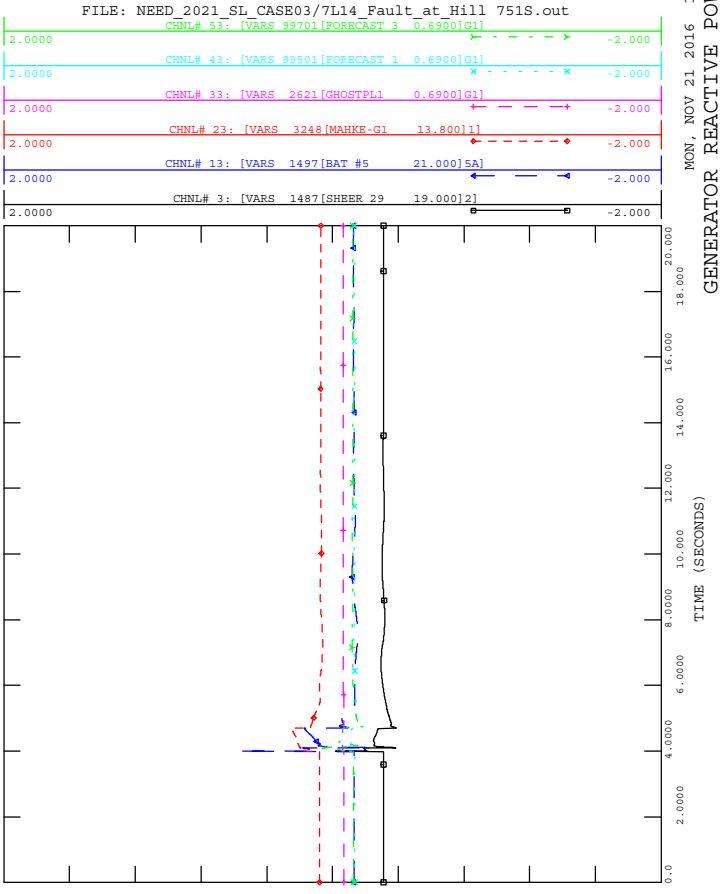
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out



MON, NOV 21 2016 13:32
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out



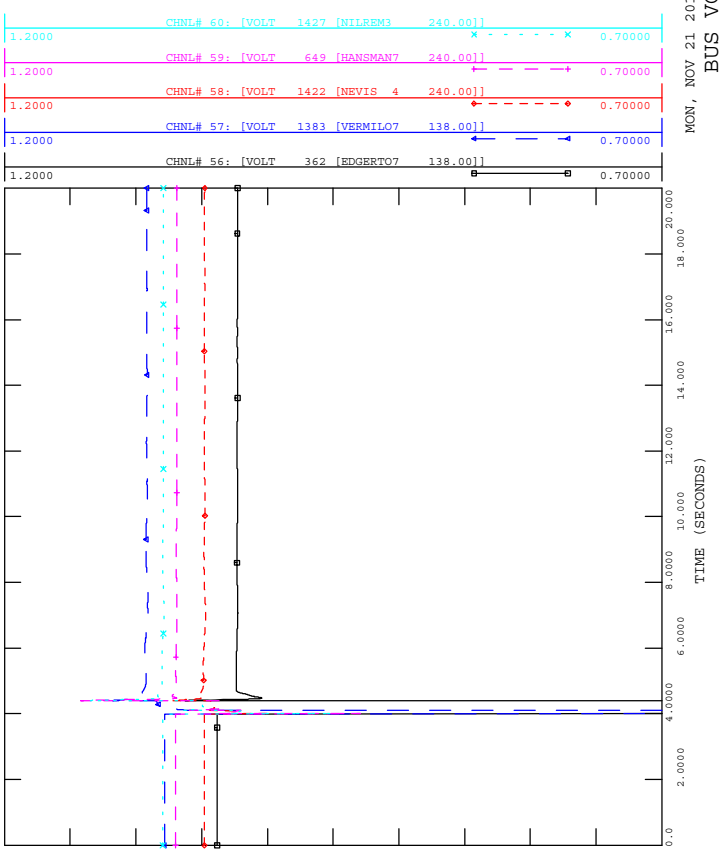
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

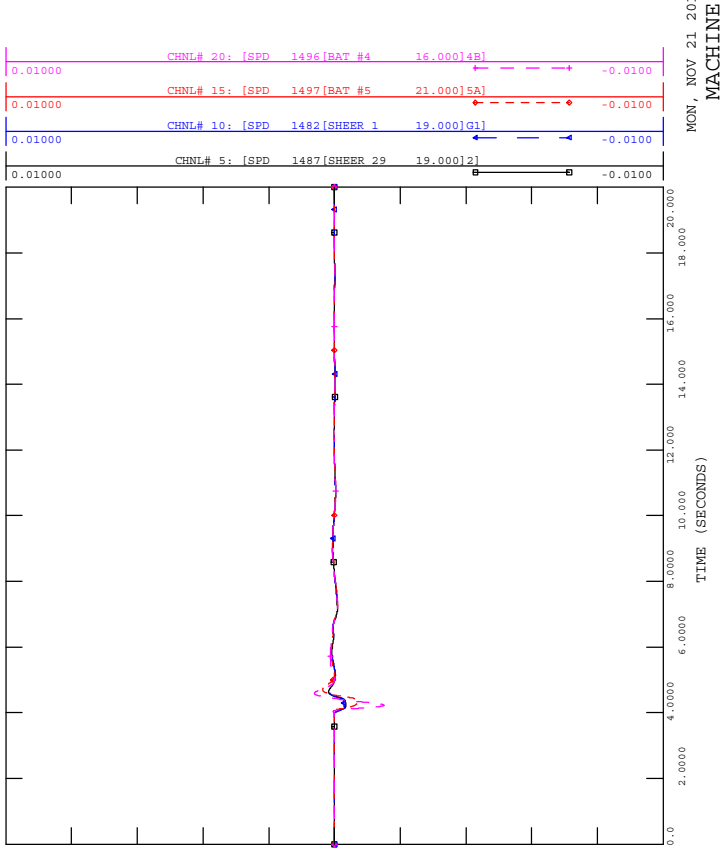


NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

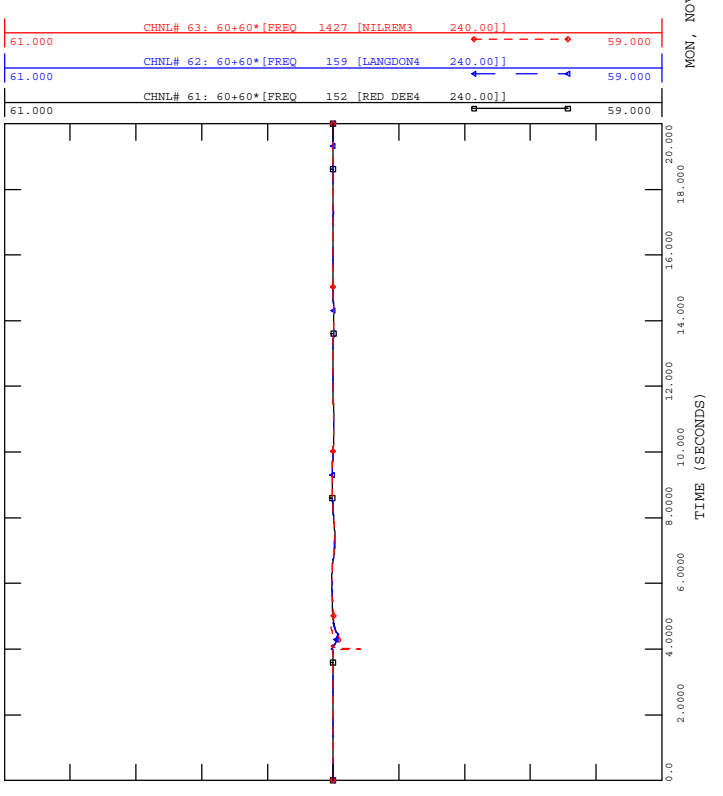


NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:32

FREQUENCY

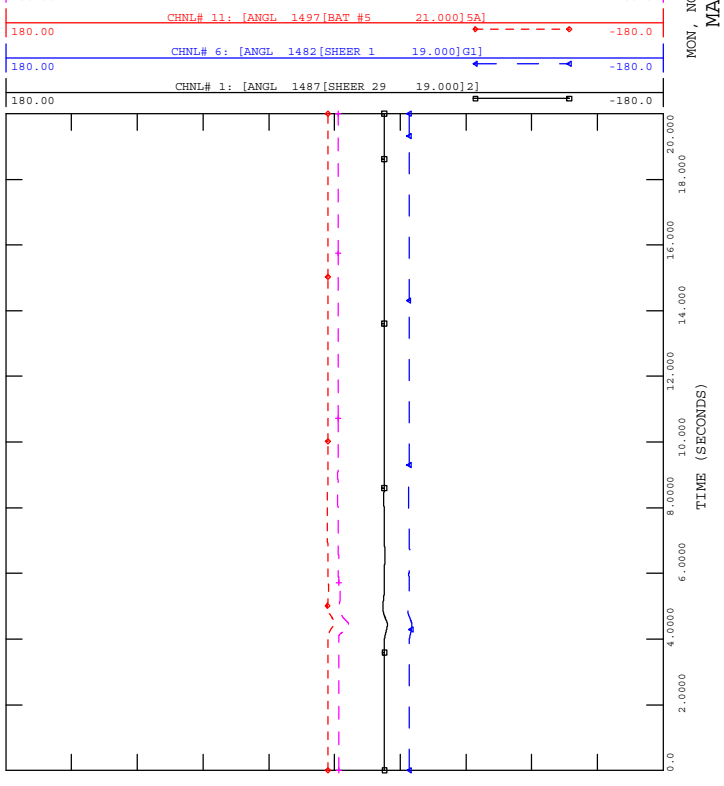


NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:32

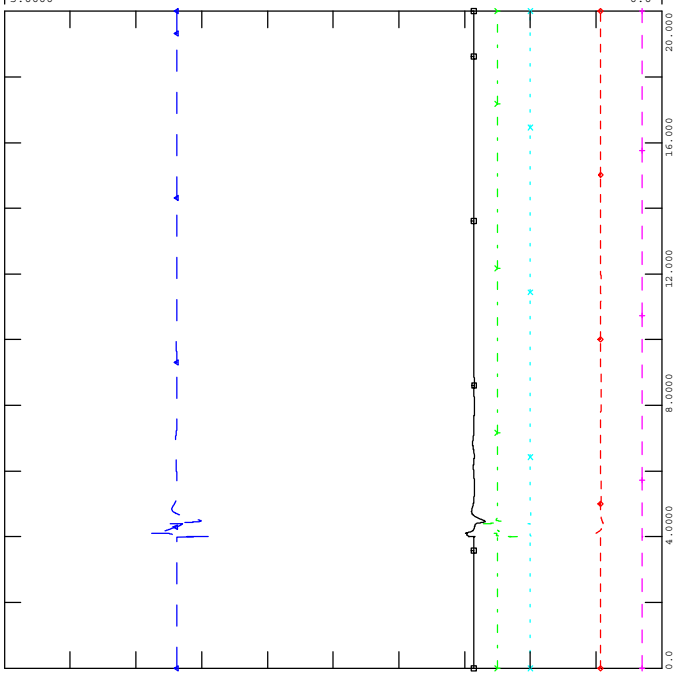
MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

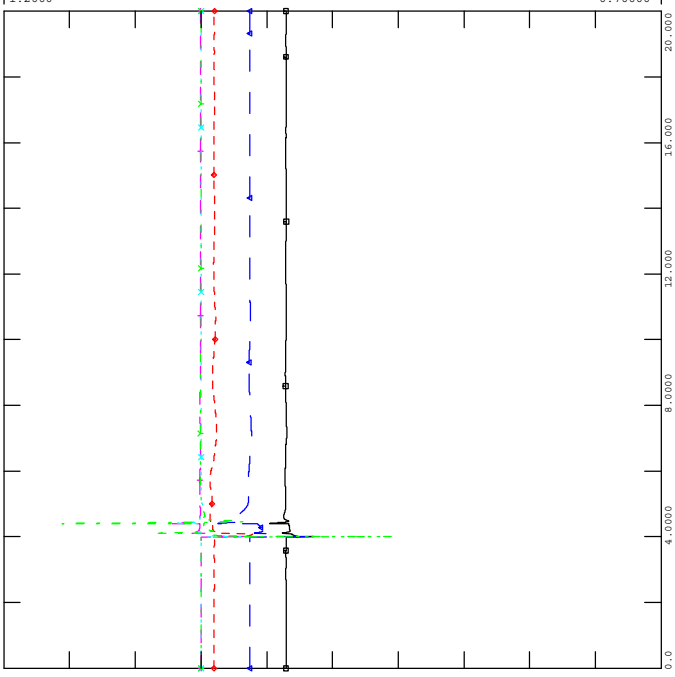


MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

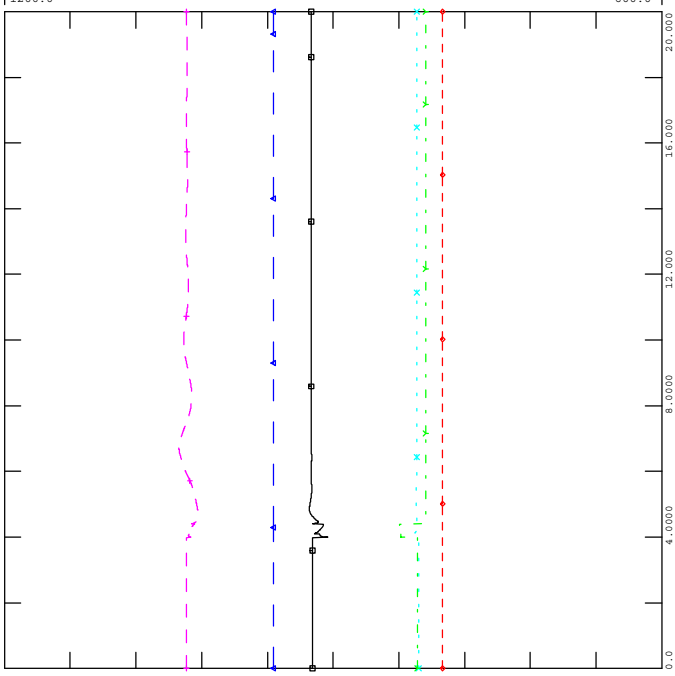


MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

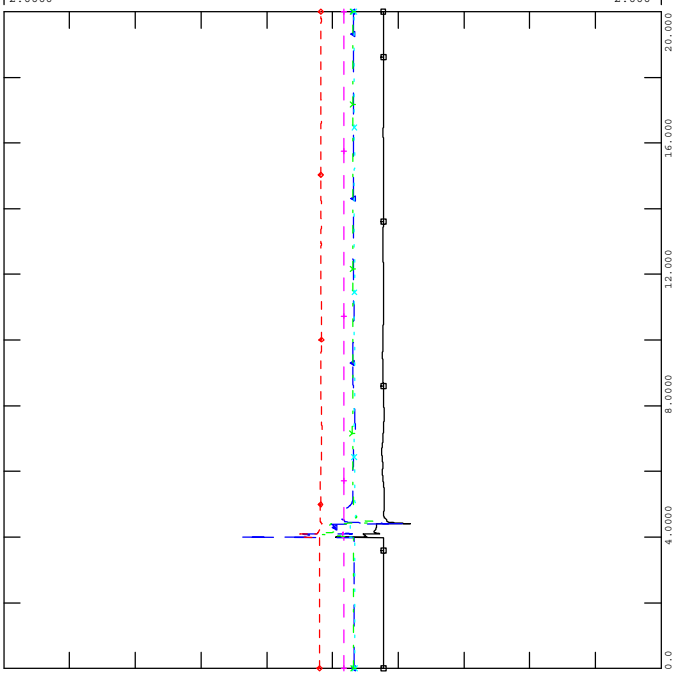


MON, NOV 21 2016 13:32
LINE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



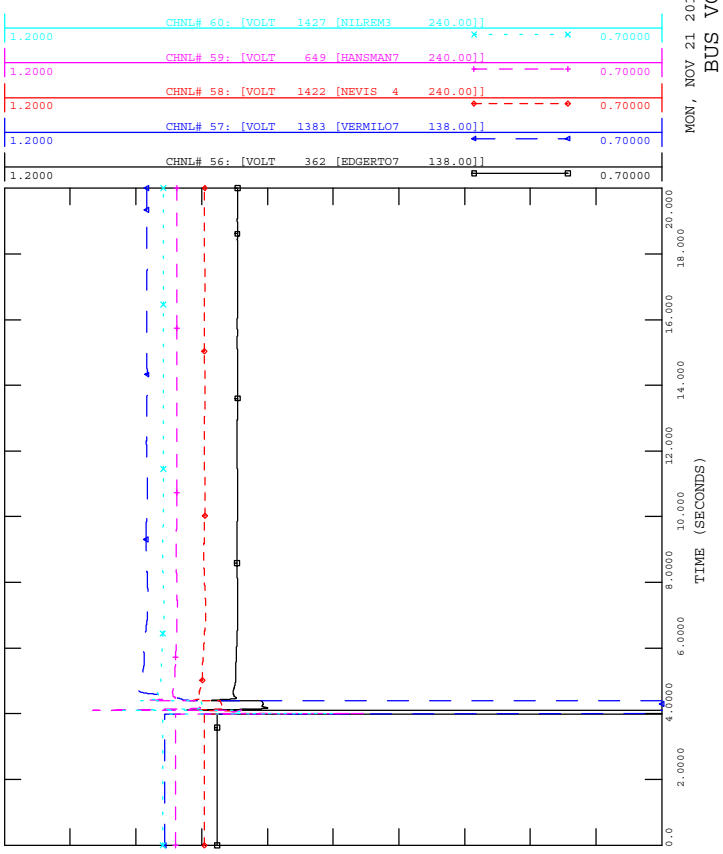
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

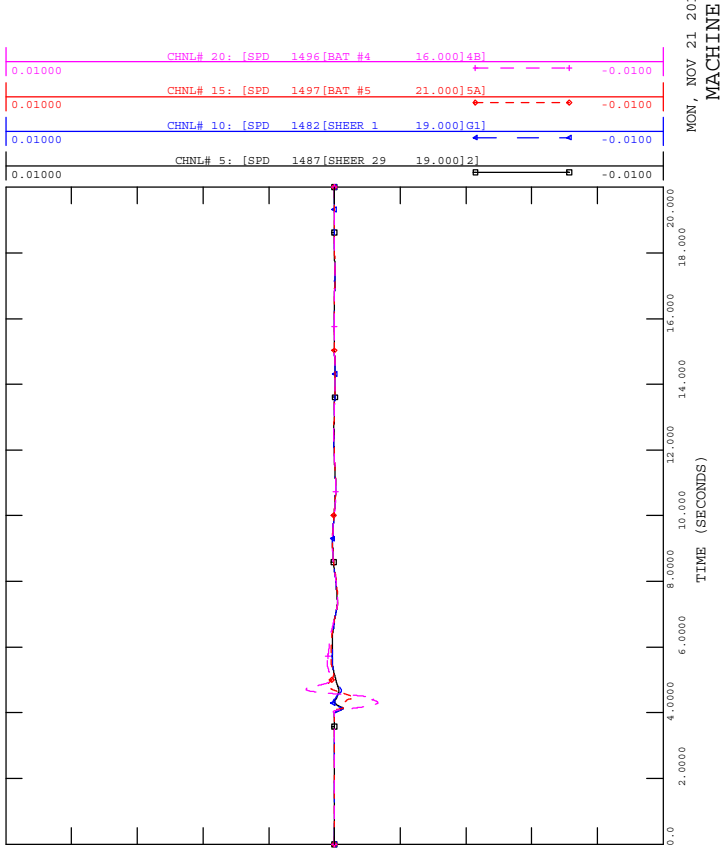


NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

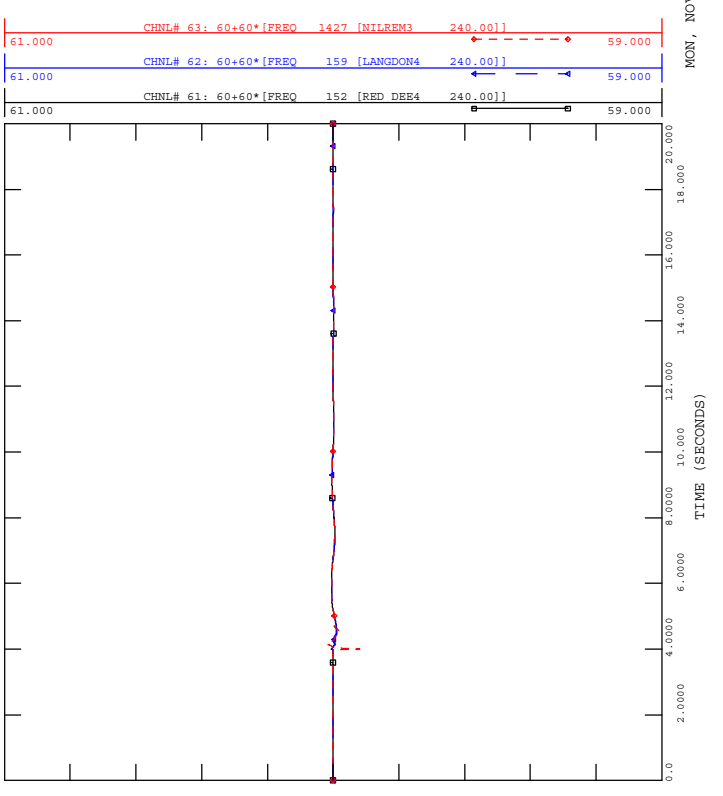


NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 13:32

FREQUENCY

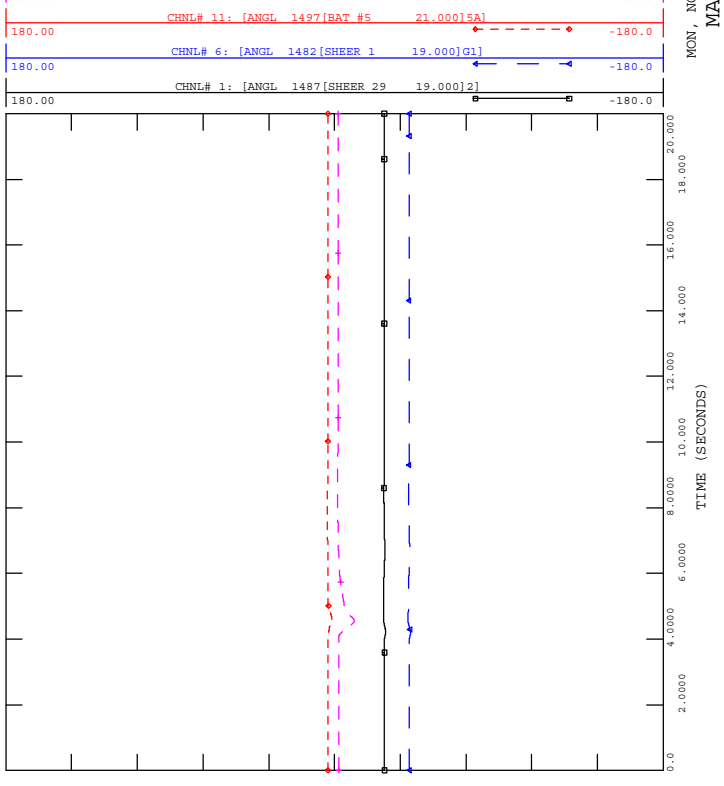


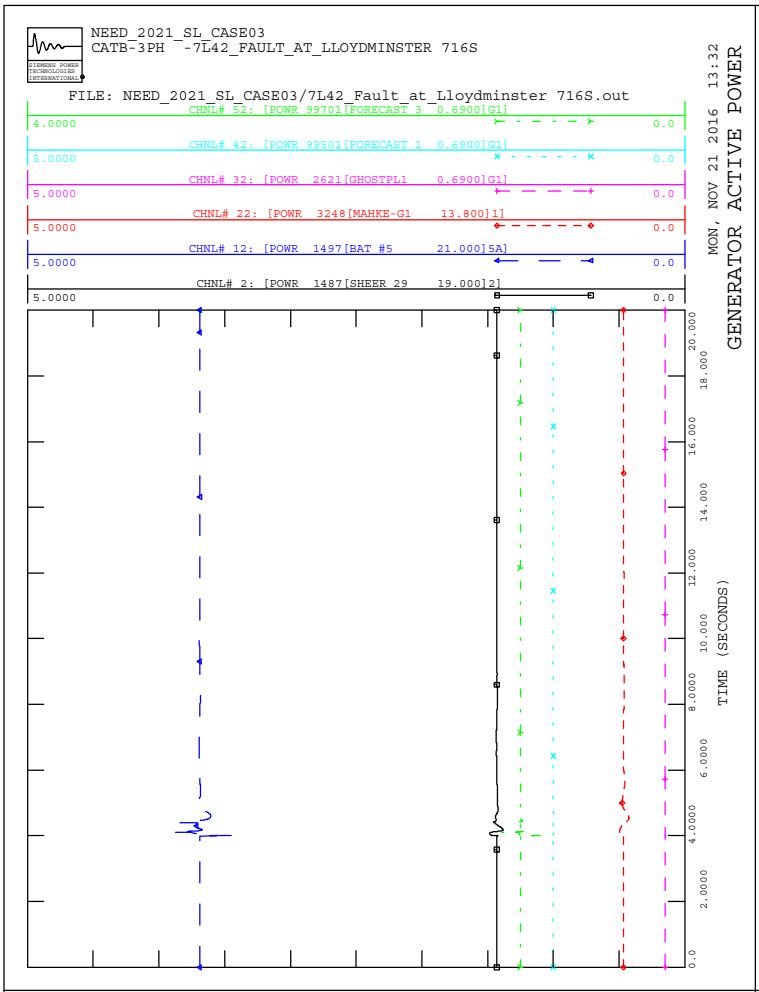
NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

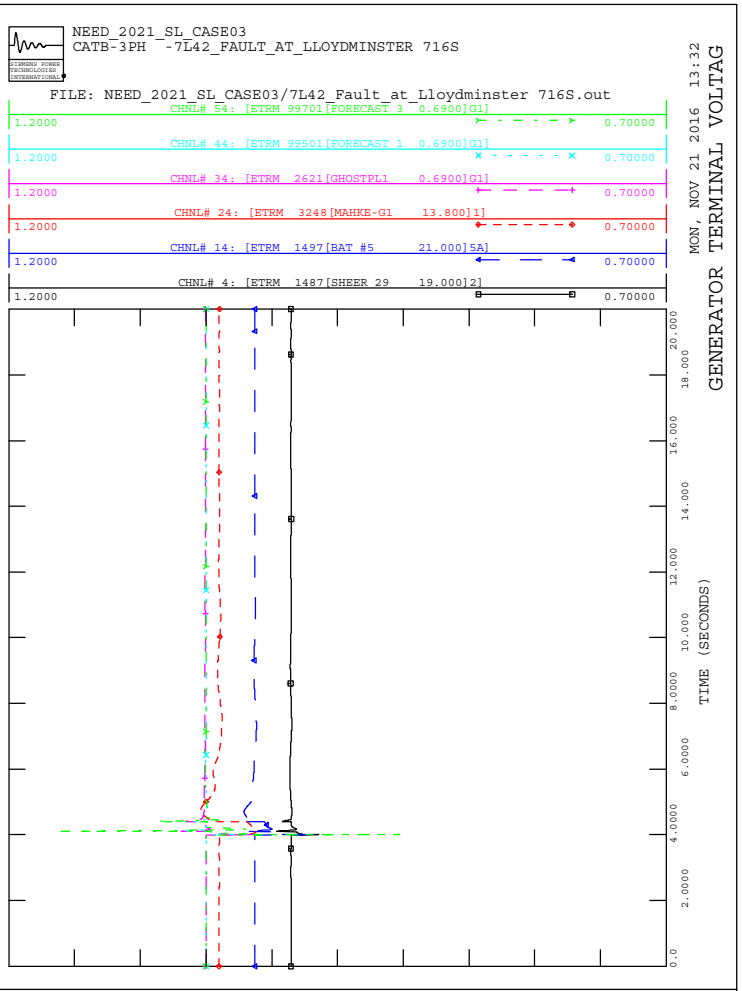
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out

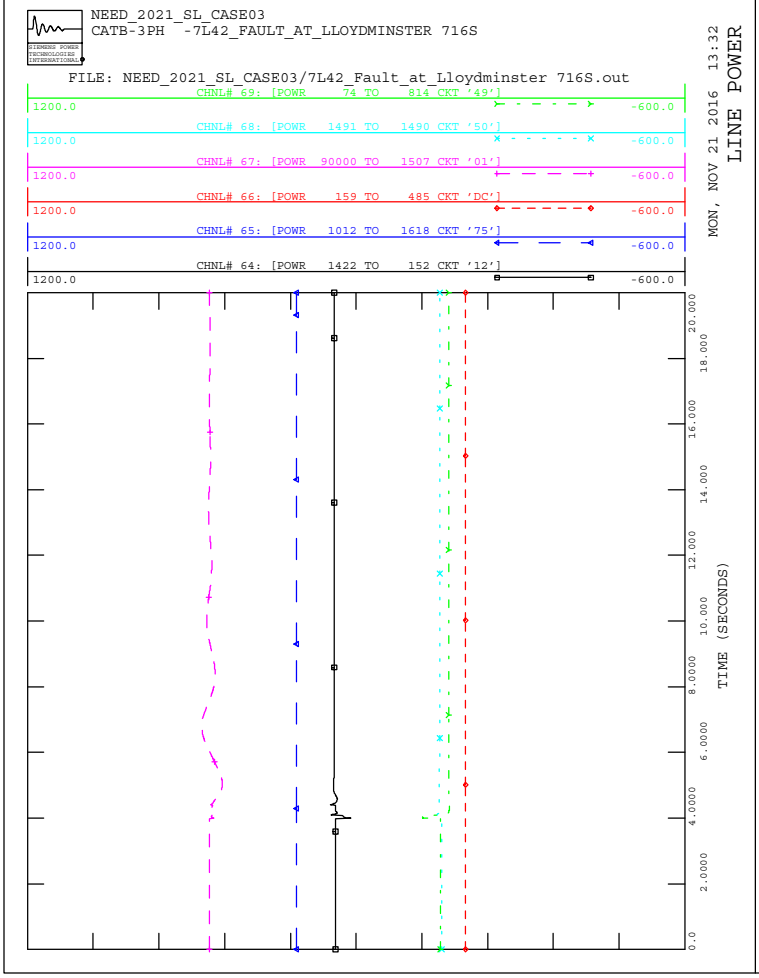
MON, NOV 21 2016 13:32

MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
5.0000
5.0000
5.0000
0.0
0.0
0.0
0.0
0.0
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
1.2000
1.2000
1.2000
1.2000
1.2000
0.70000
0.70000
0.70000
0.70000
0.70000
0.70000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
1200.0
1200.0
1200.0
1200.0
1200.0
-600.0
-600.0
-600.0
-600.0
-600.0
-600.0
0.0
2.0000
4.0000
6.0000
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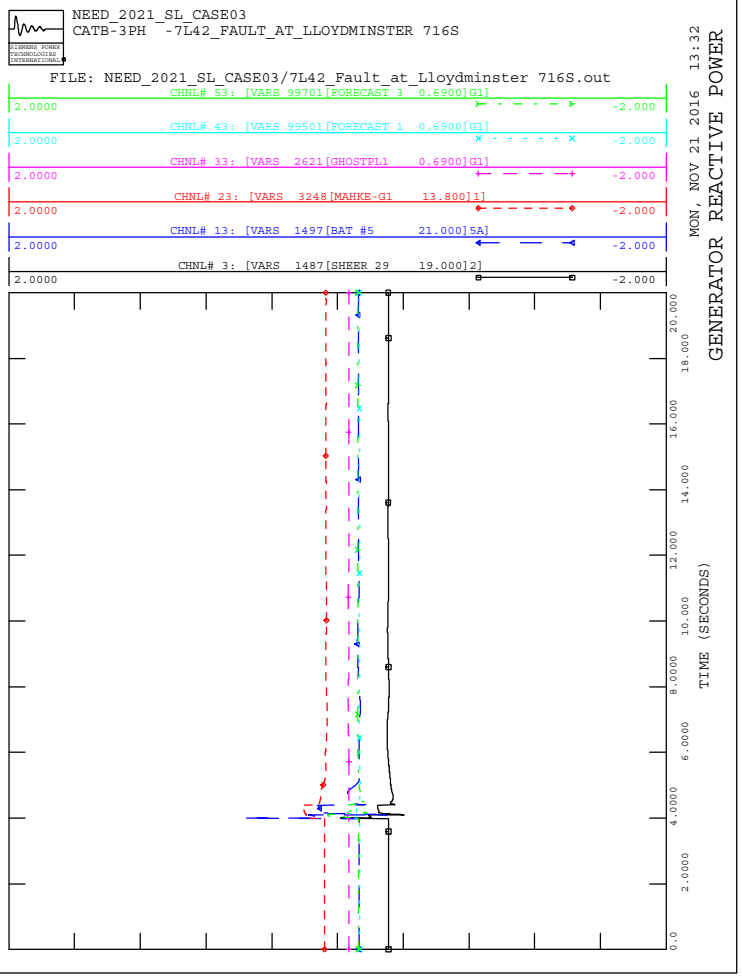
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:32
LINE POWER


NEED_2021_SL_CASE03
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
2.0000
2.0000
2.0000
2.0000
2.0000
-2.000
-2.000
-2.000
-2.000
-2.000
-2.000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 13:32

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 13:32

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

180.00 / -180.0

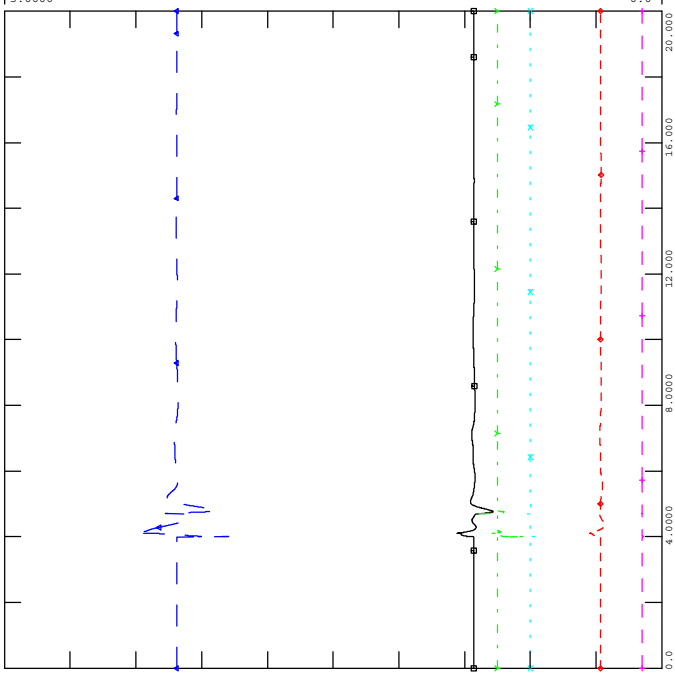
TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

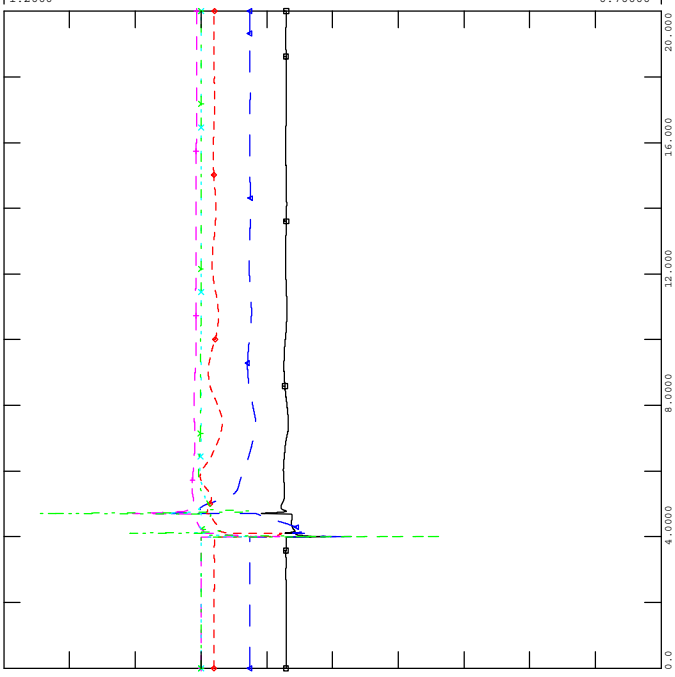


MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

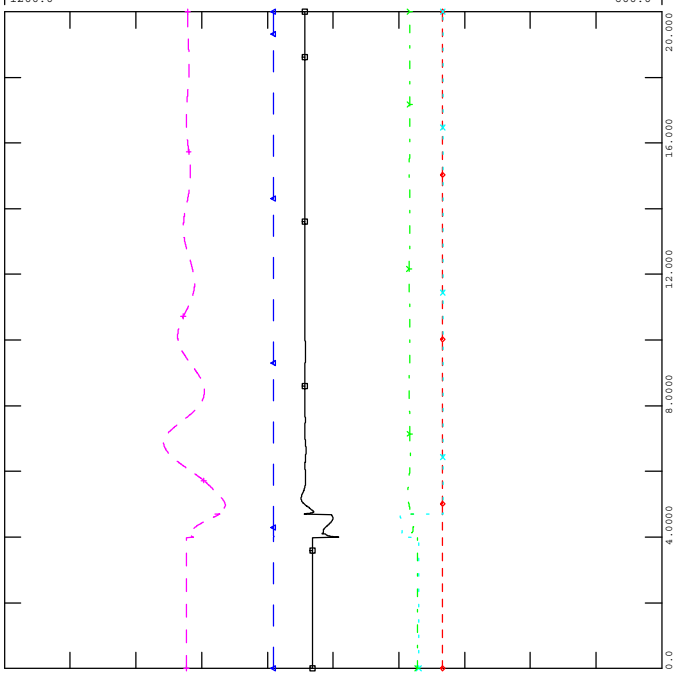


MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

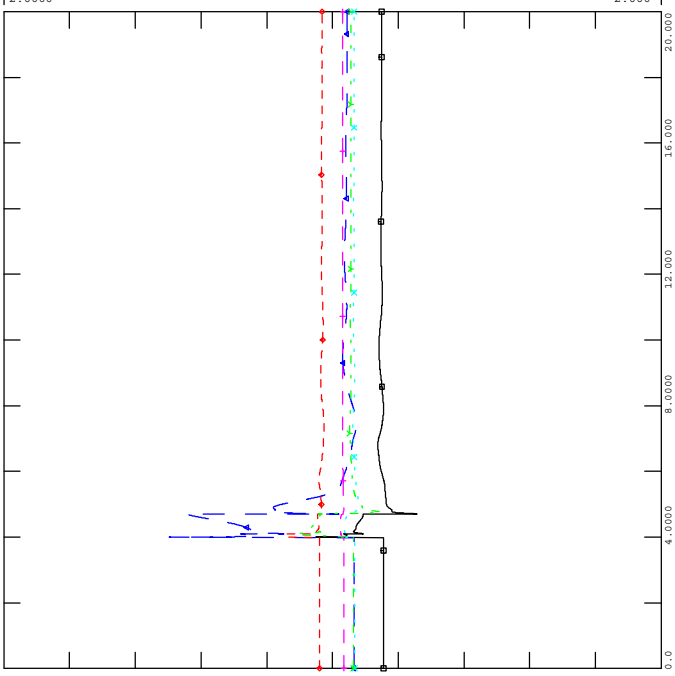


MON, NOV 21 2016 13:32
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



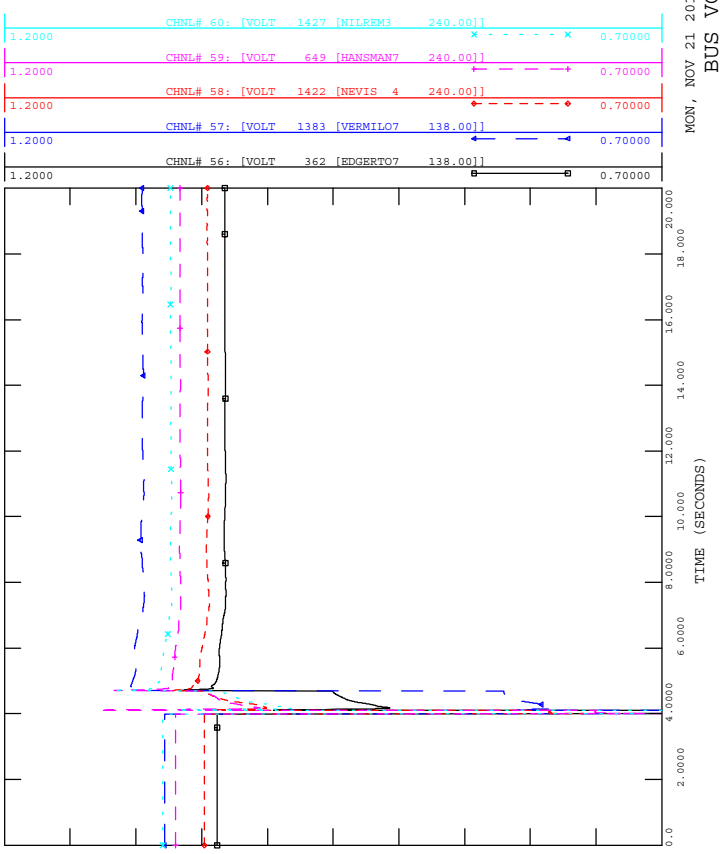
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

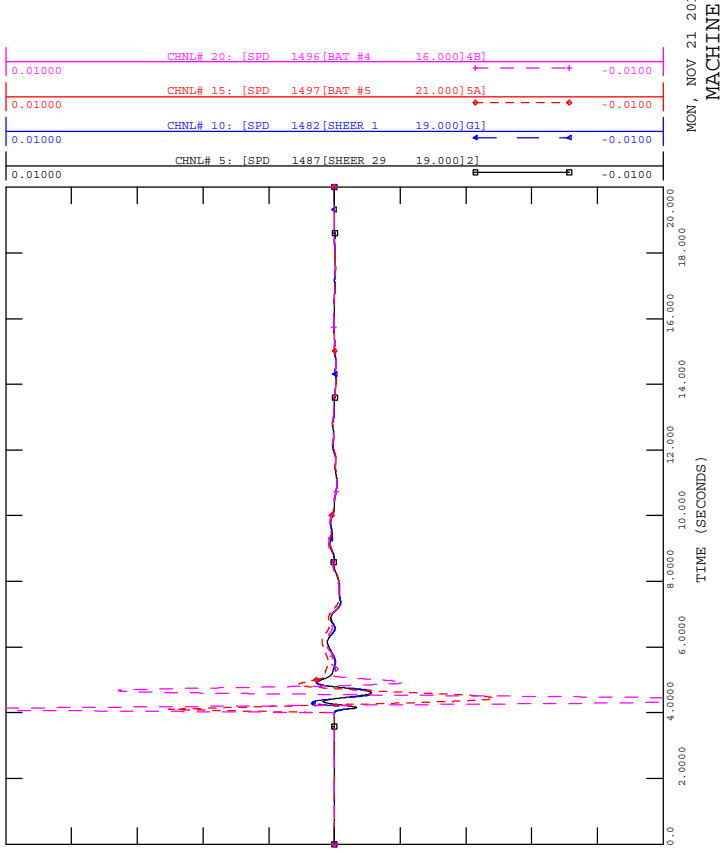


NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

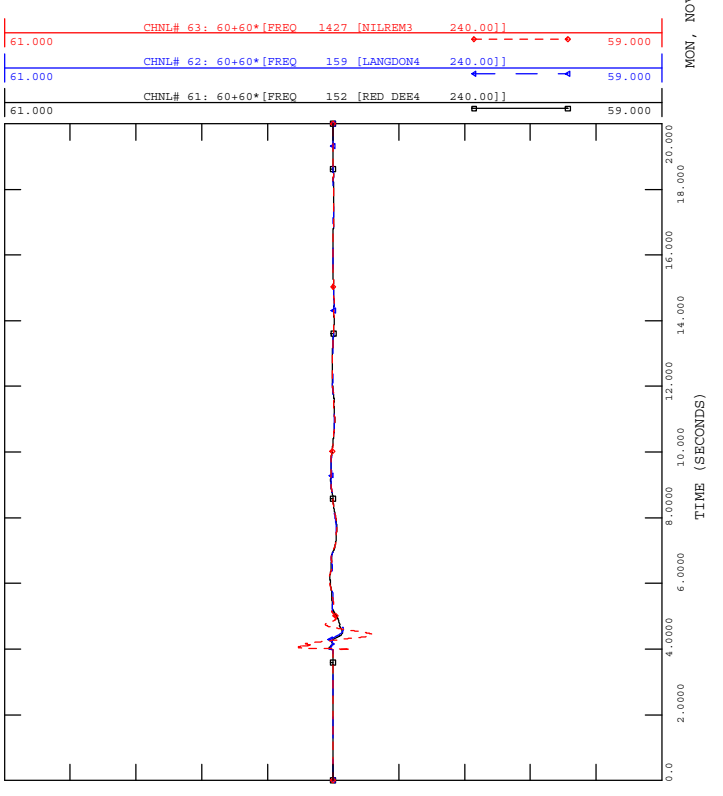


NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:32

FREQUENCY

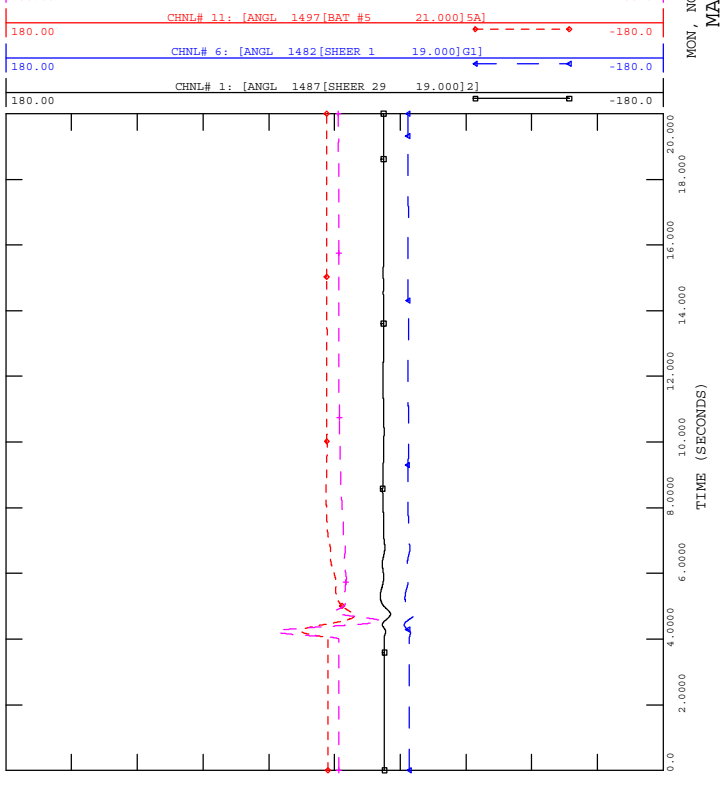


NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:32

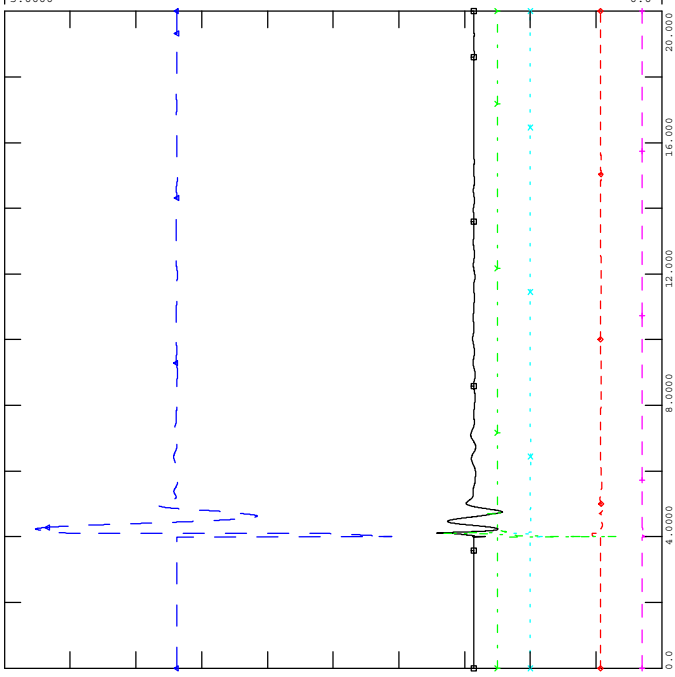
MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

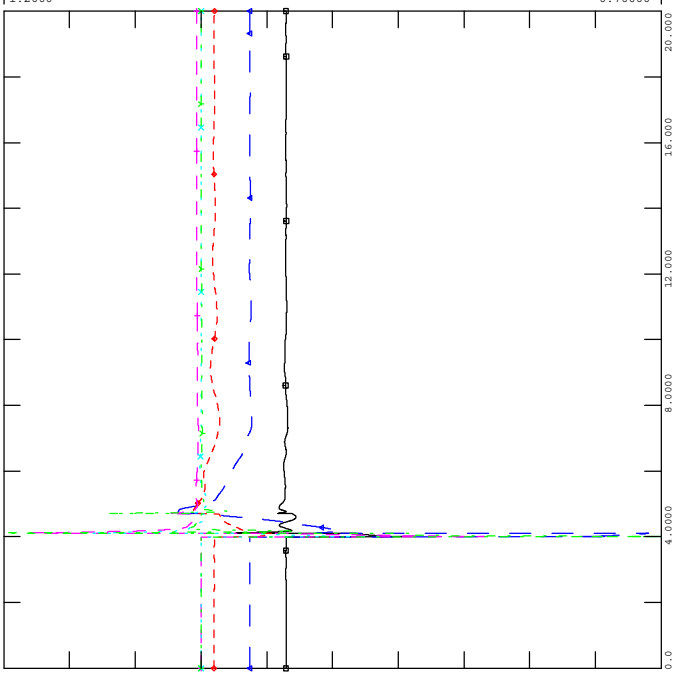


MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

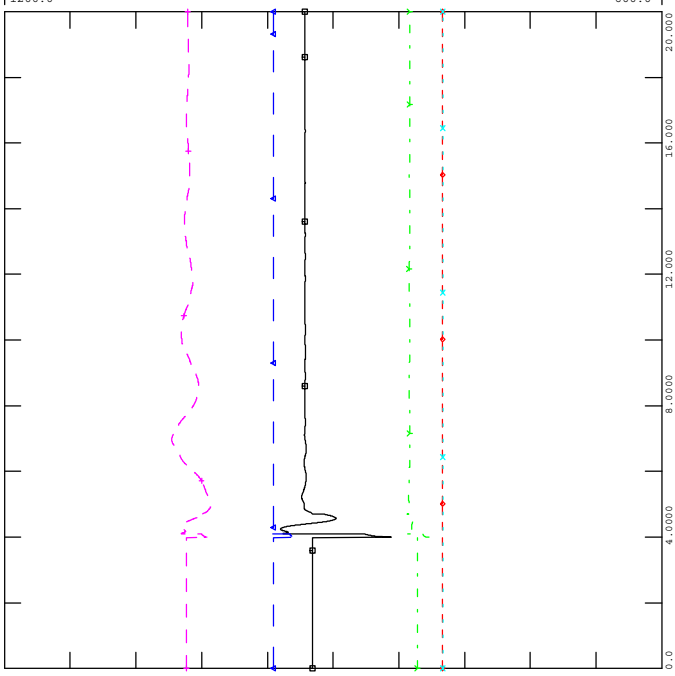


MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

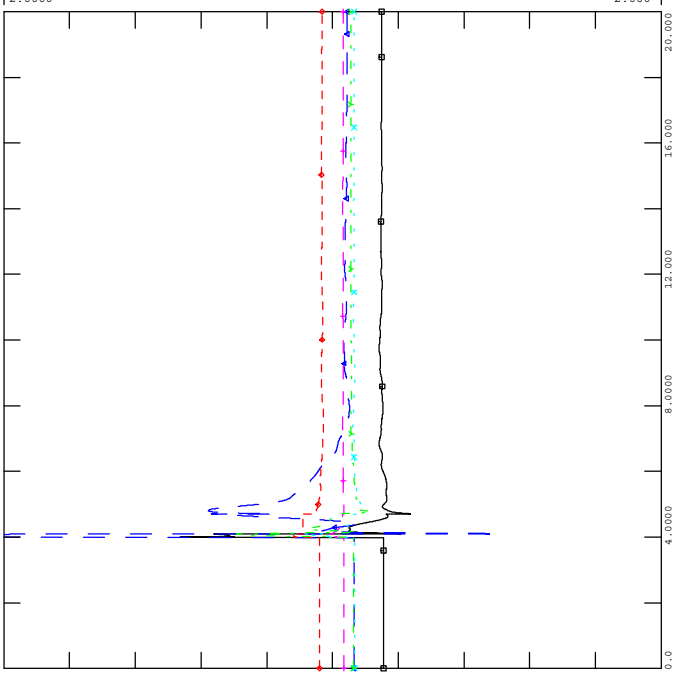


MON, NOV 21 2016 13:32
LINE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



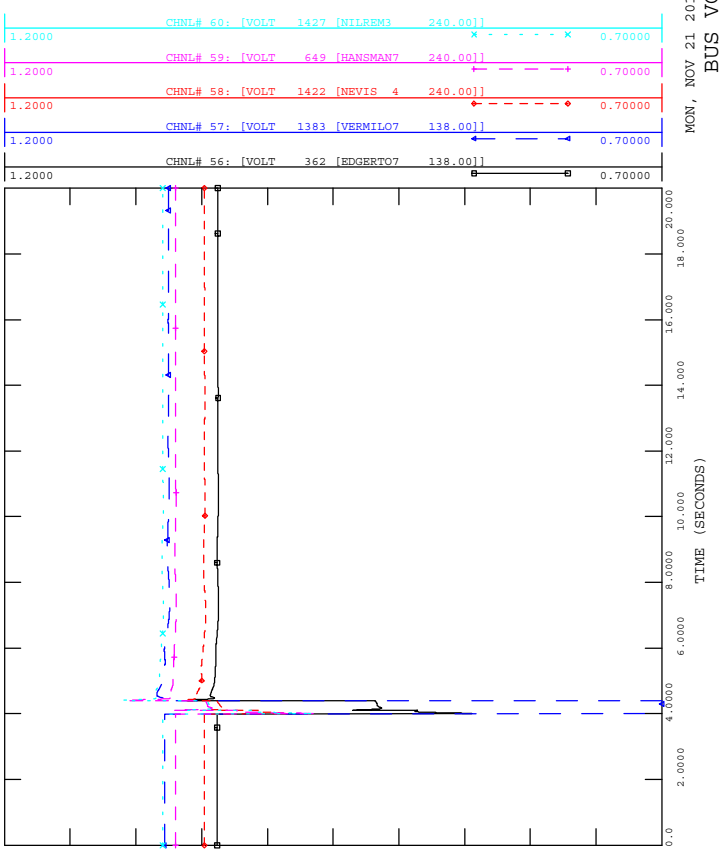
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

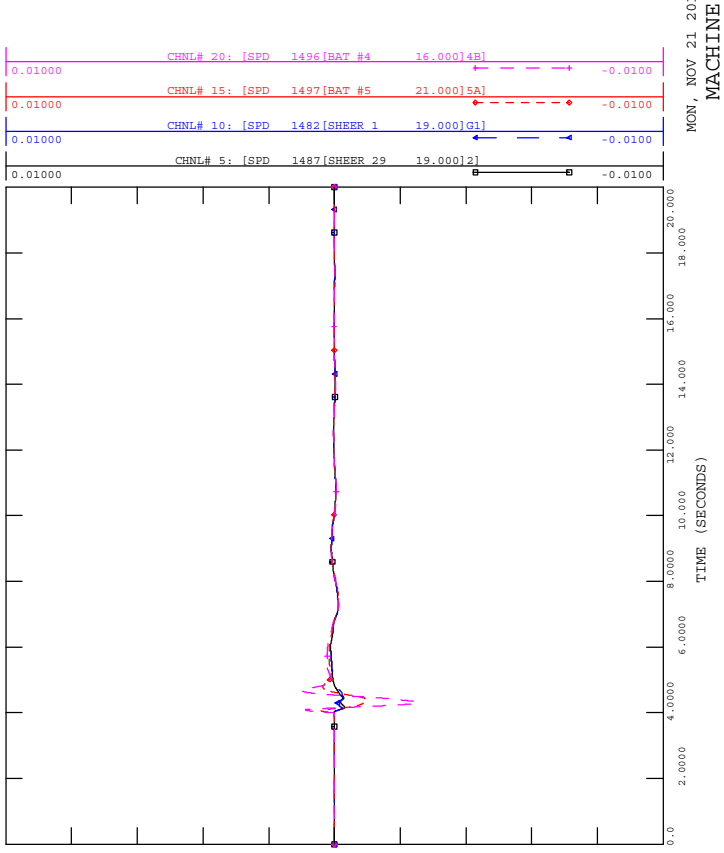


NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

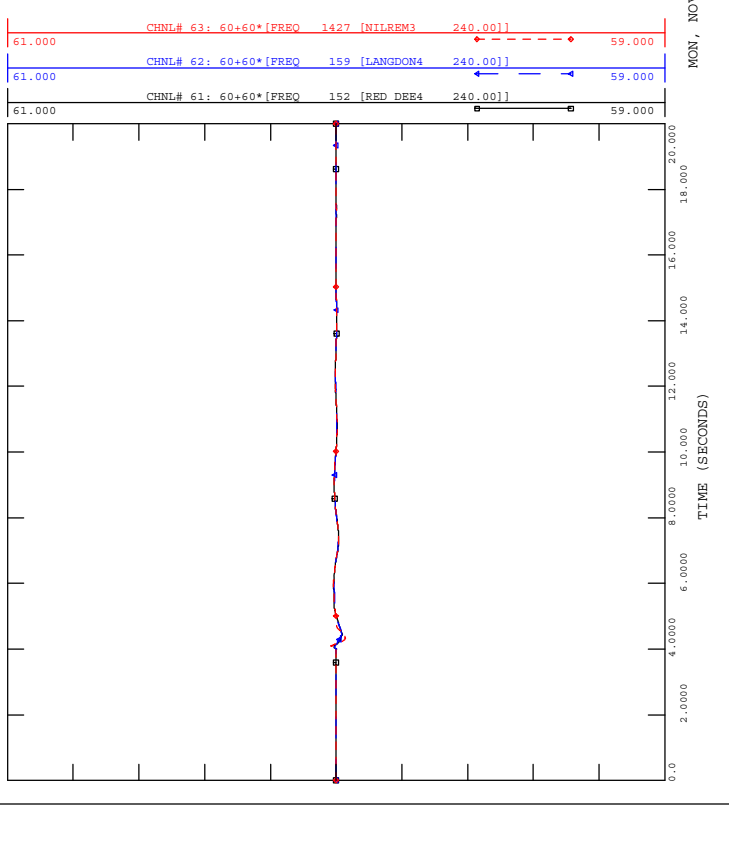


NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 13:32

FREQUENCY

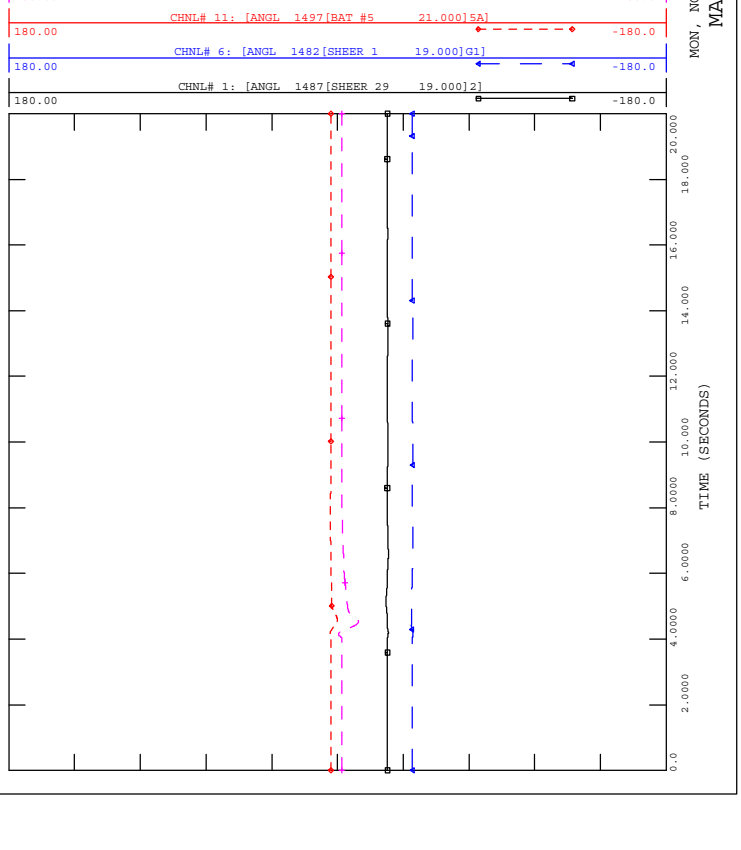


NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out

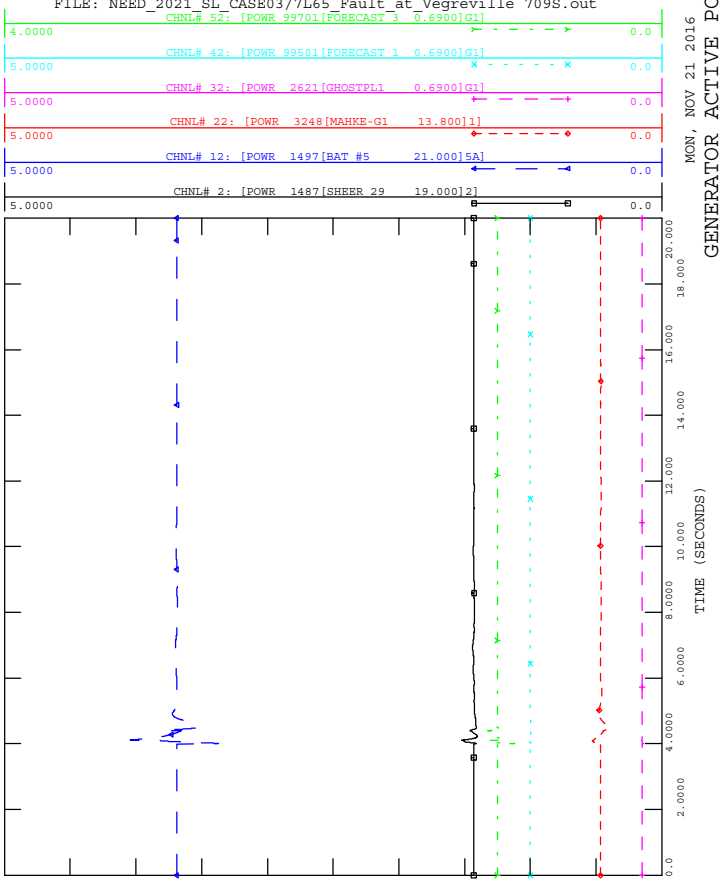
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out

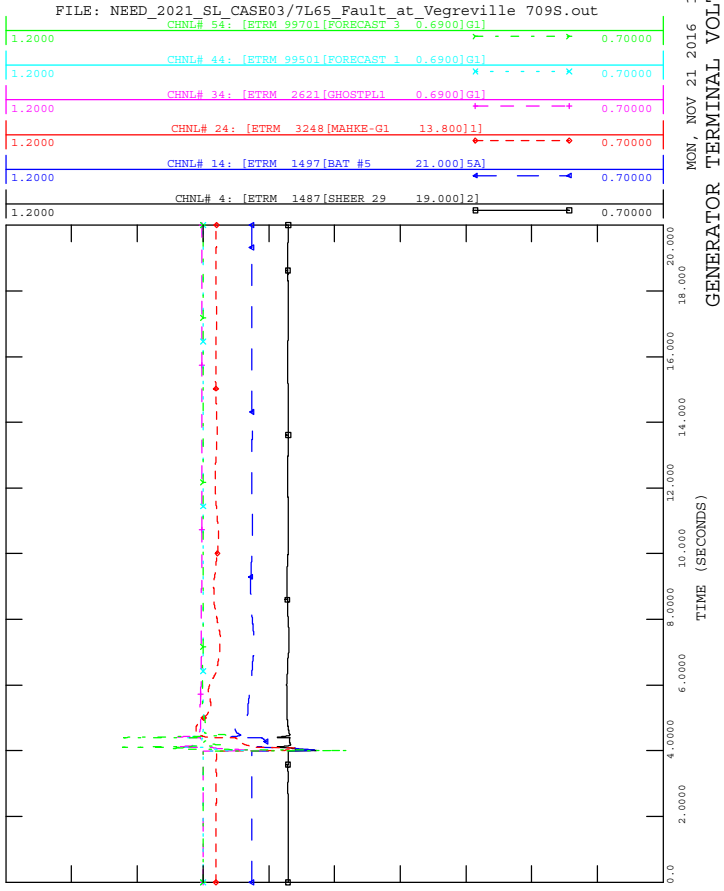


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out

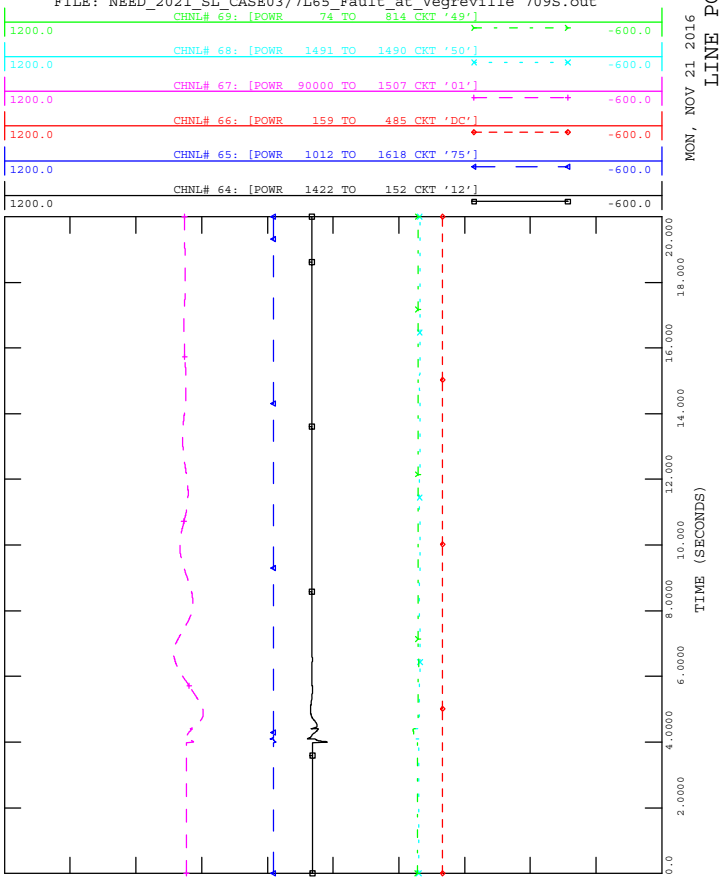


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out

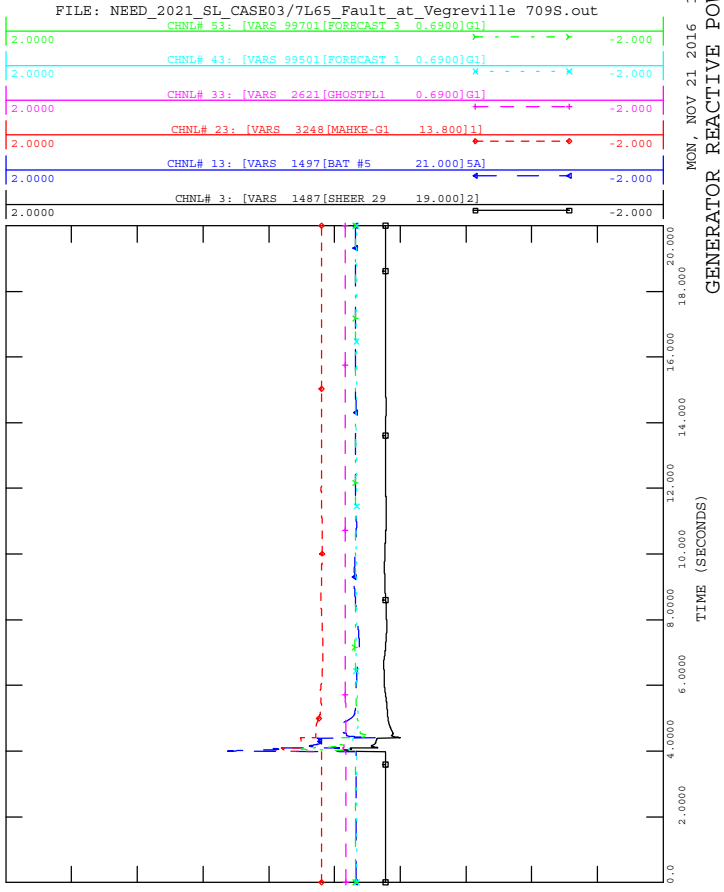


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 13:32

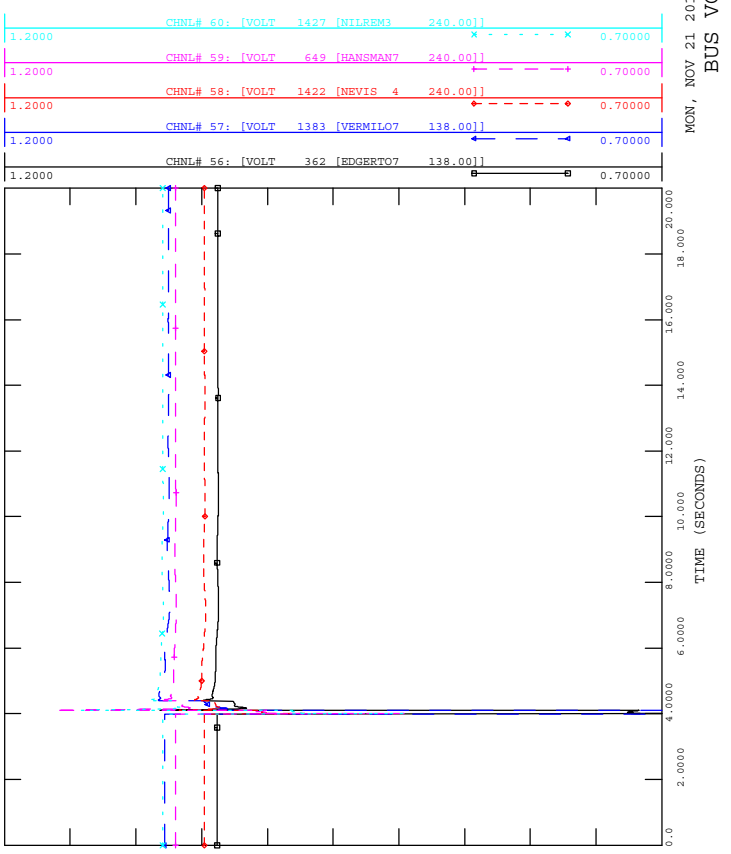
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

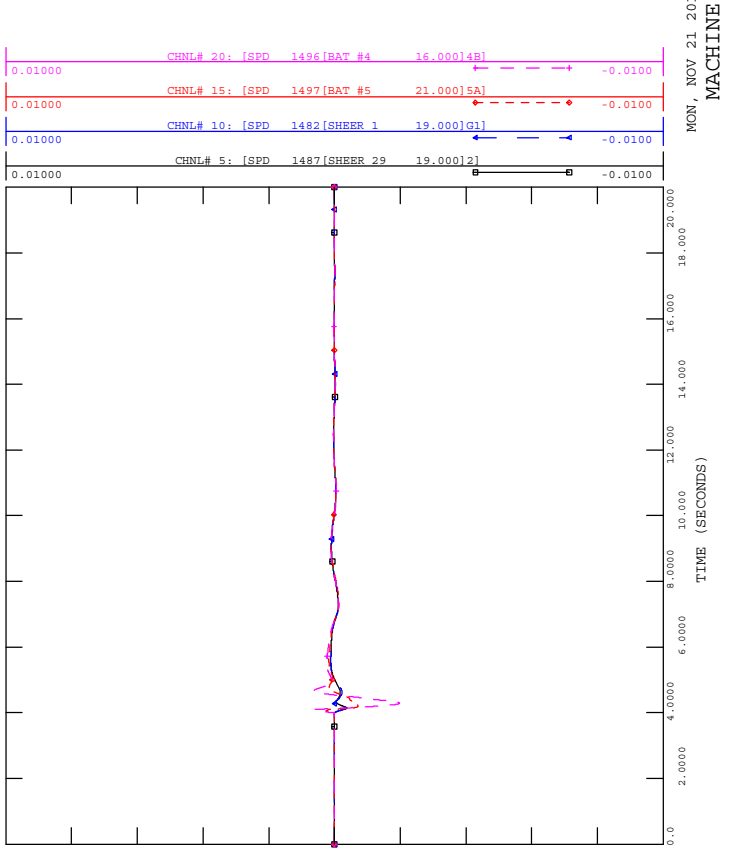


NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

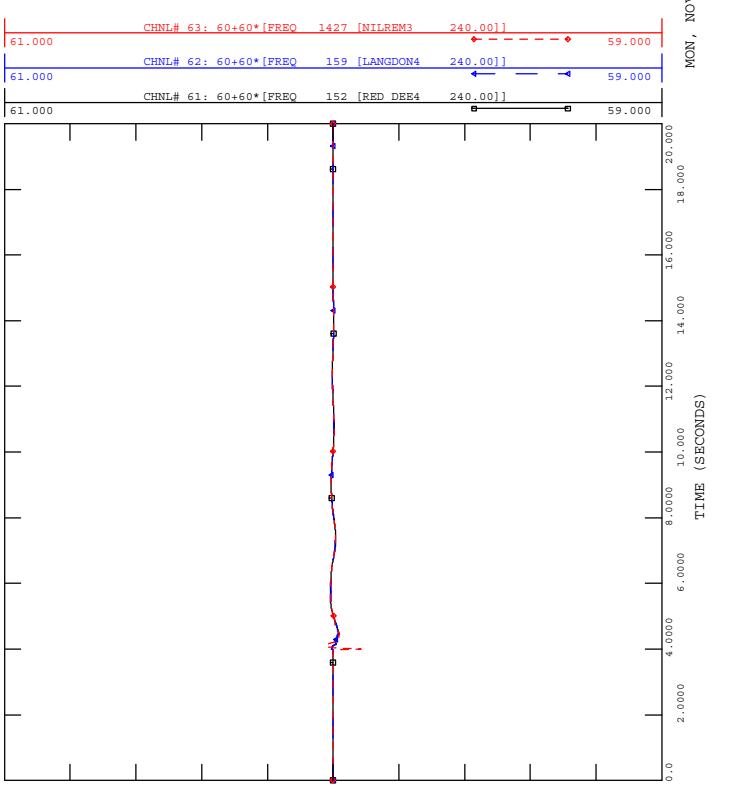


NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:32

FREQUENCY

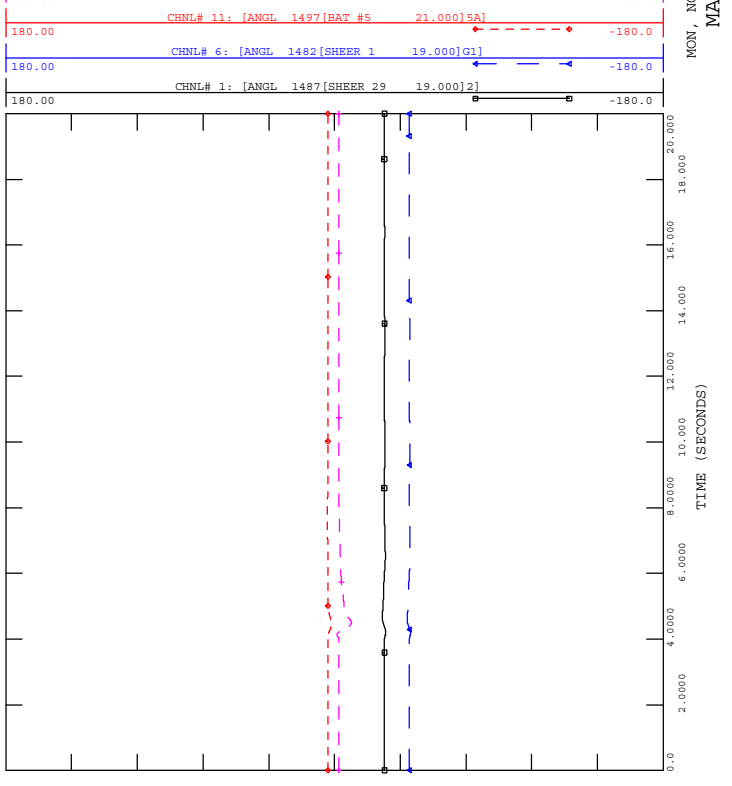


NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out

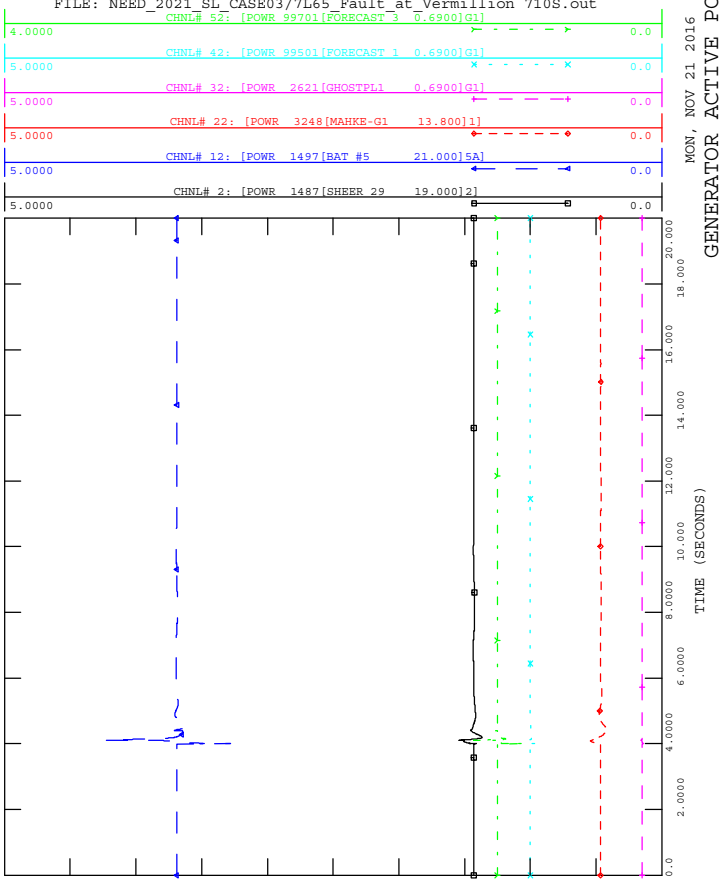
MON, NOV 21 2016 13:32

MACHINE ANGEL



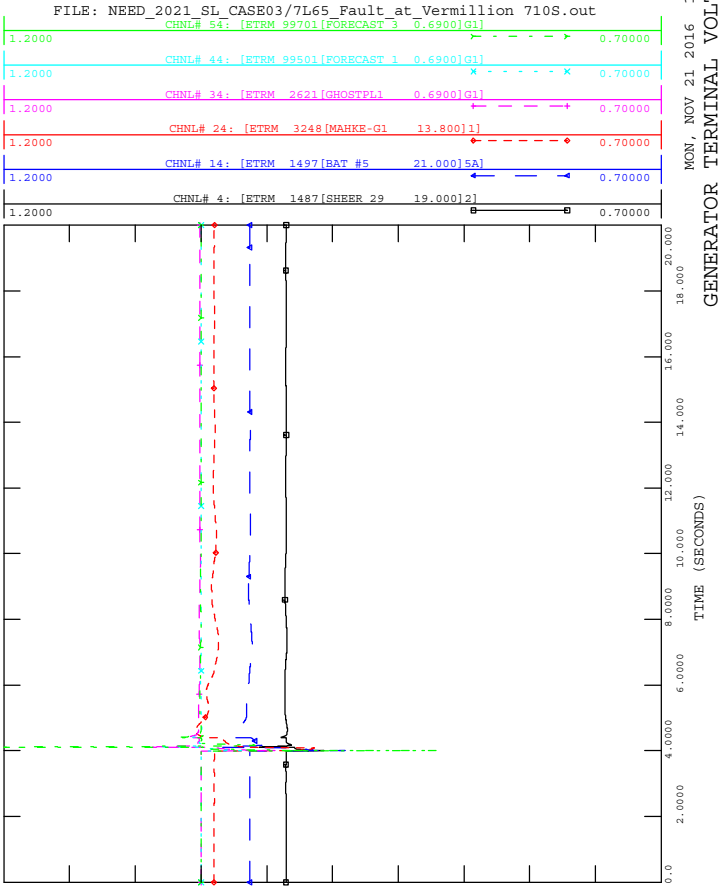
NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out



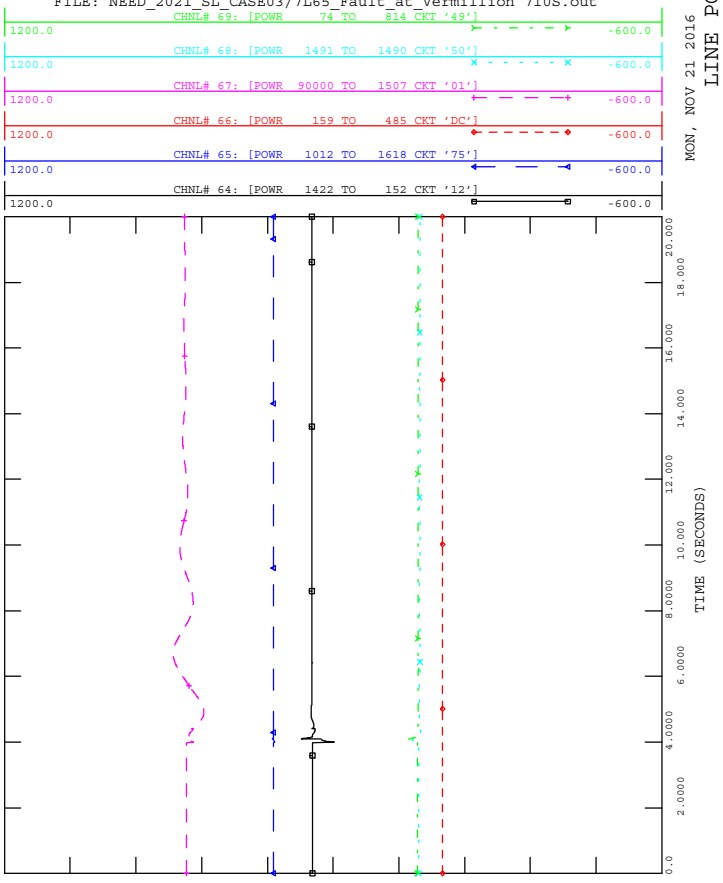
NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out



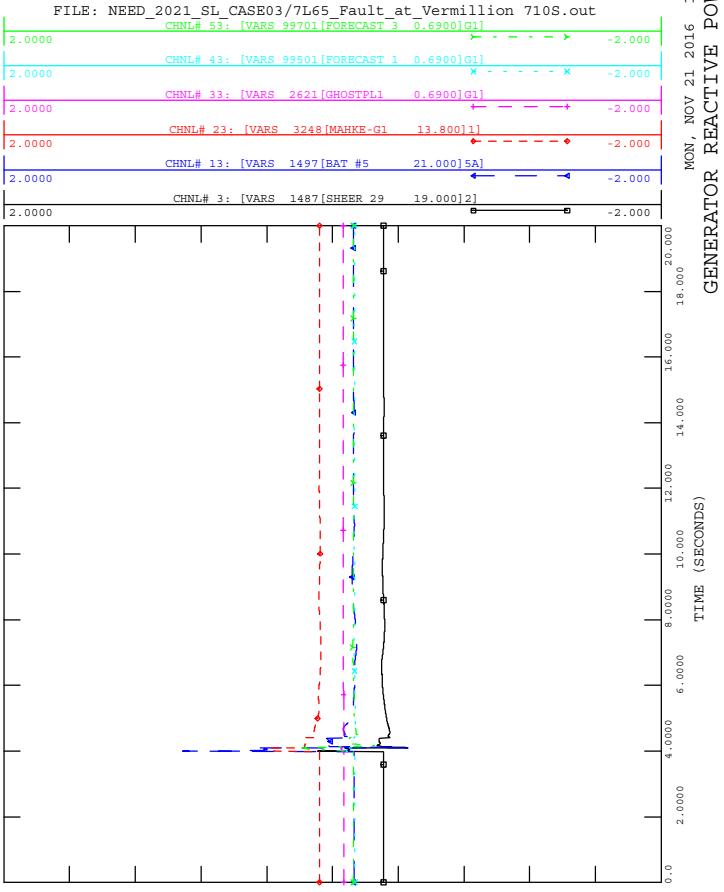
NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out



NEED_2021_SL_CASE03
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out



NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out

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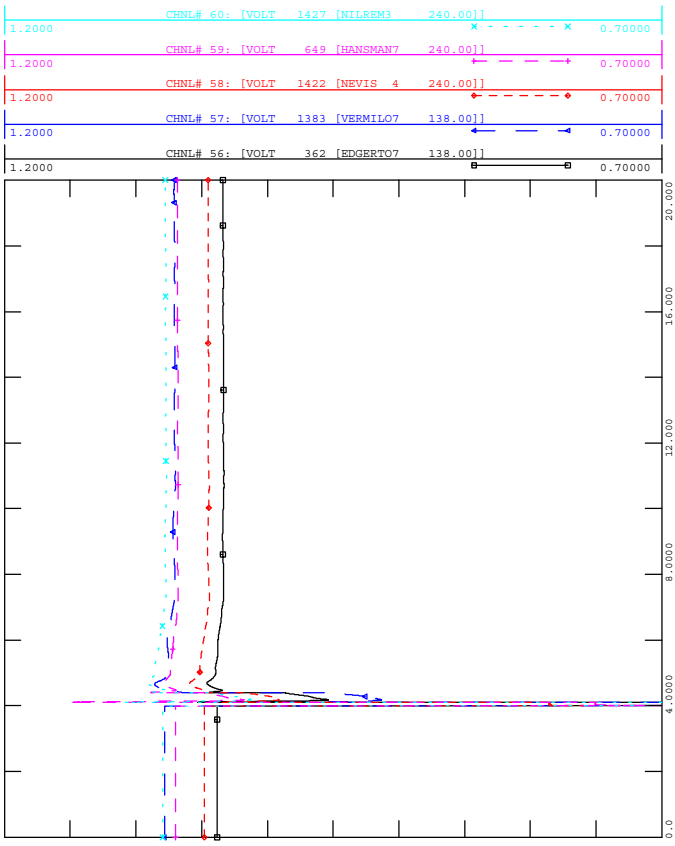
BUS VOLTAGE

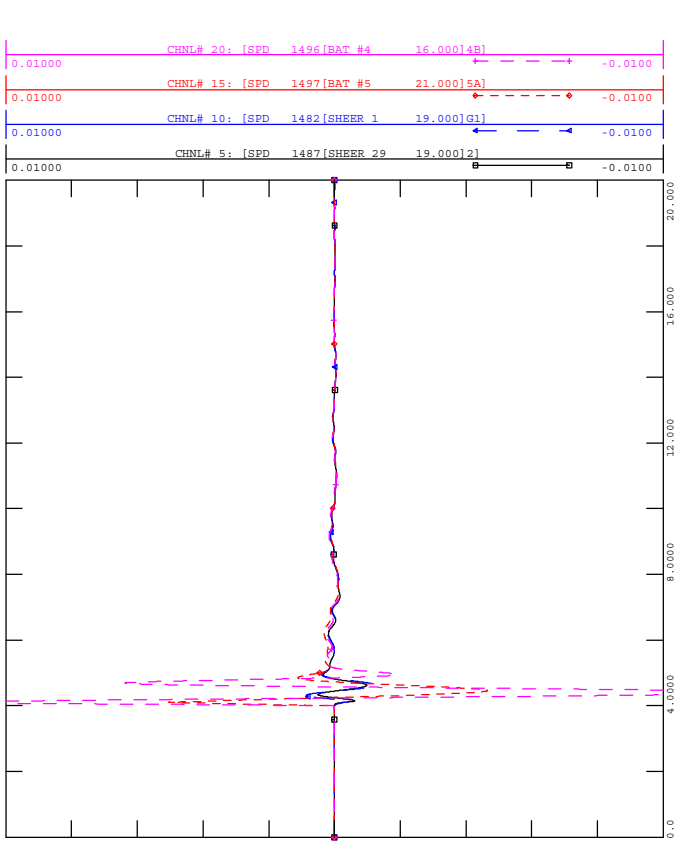


NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

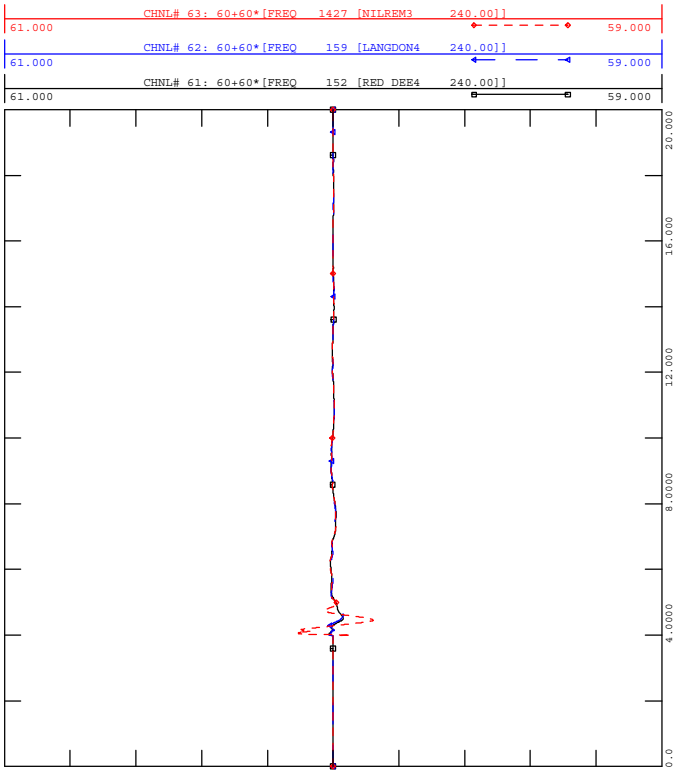


NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:32

FREQUENCY



NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out

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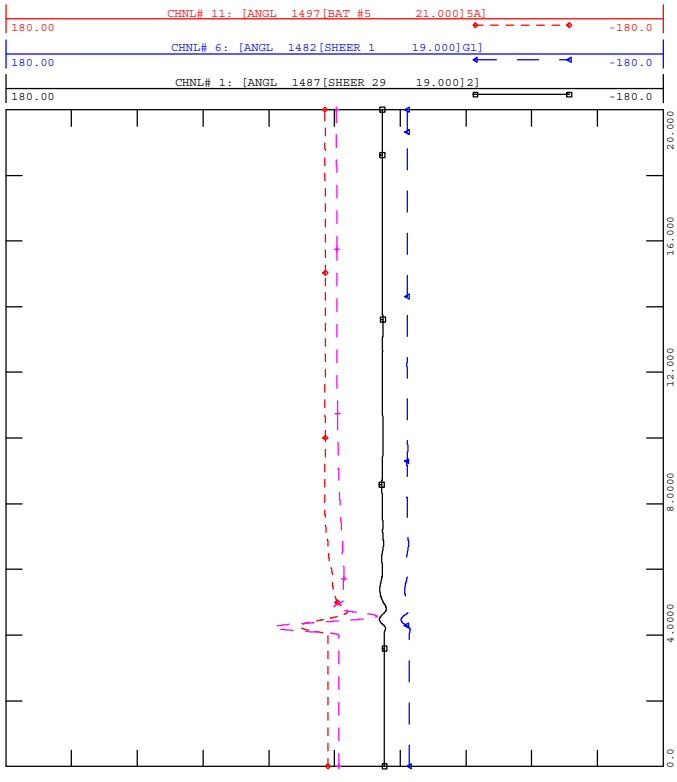
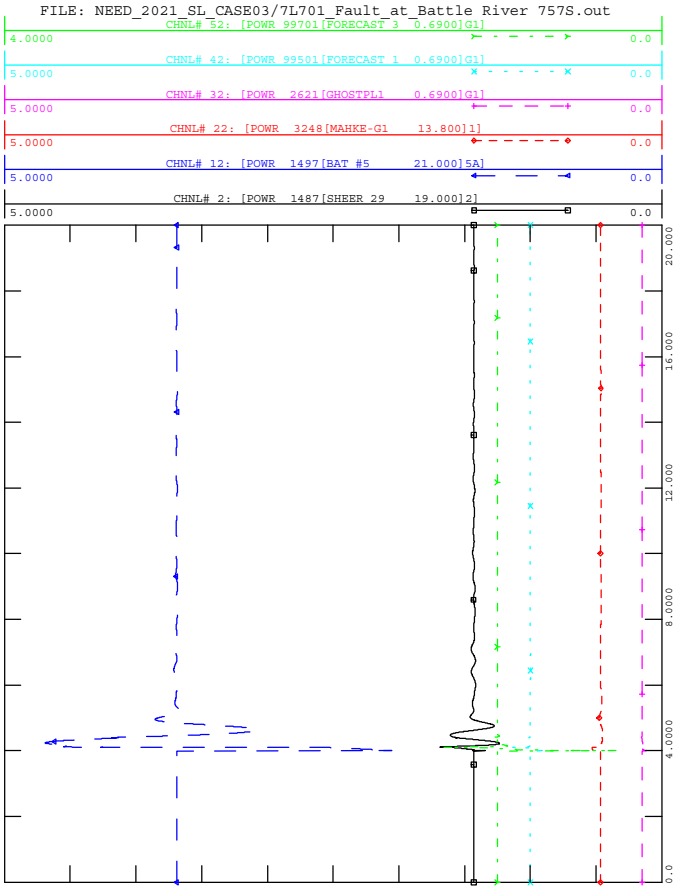
MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

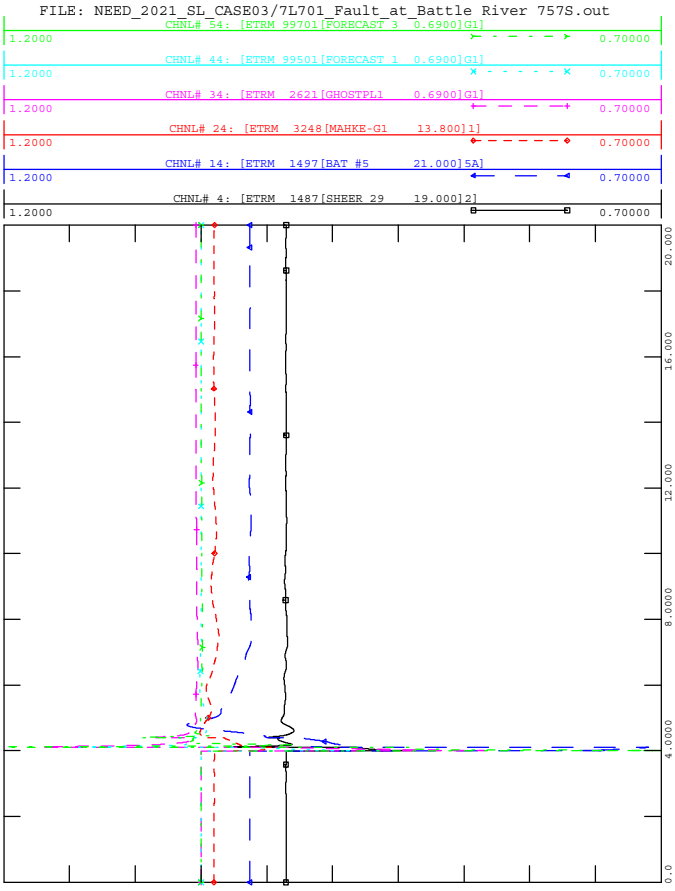
FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out



MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

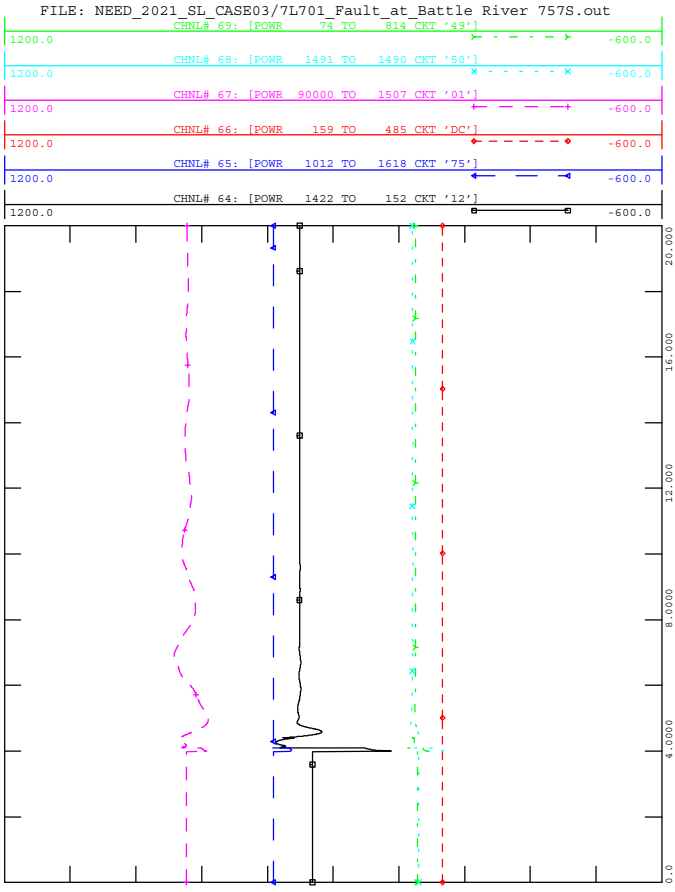
FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out



MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

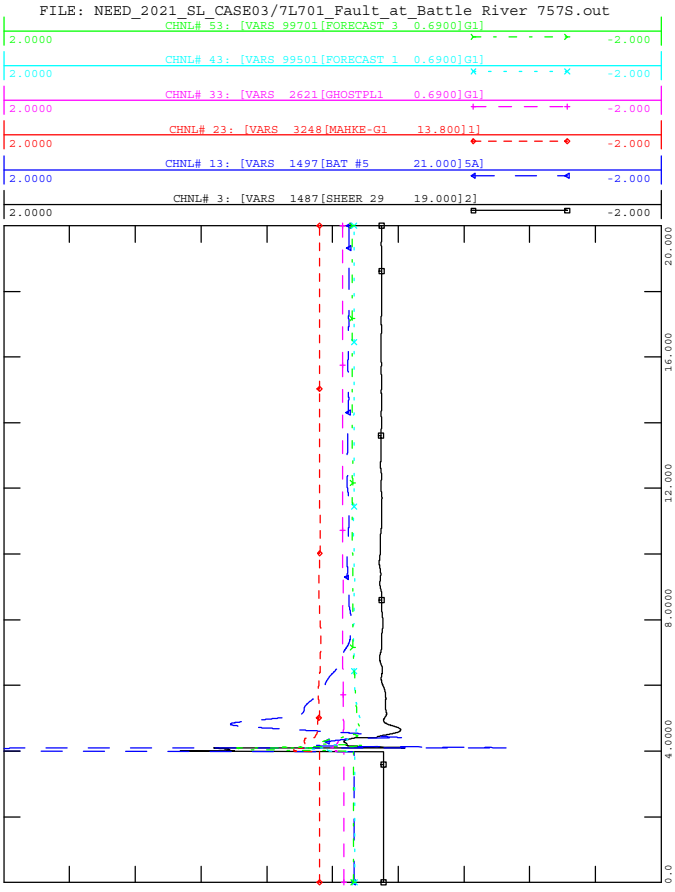
FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out



MON, NOV 21 2016 13:32
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out



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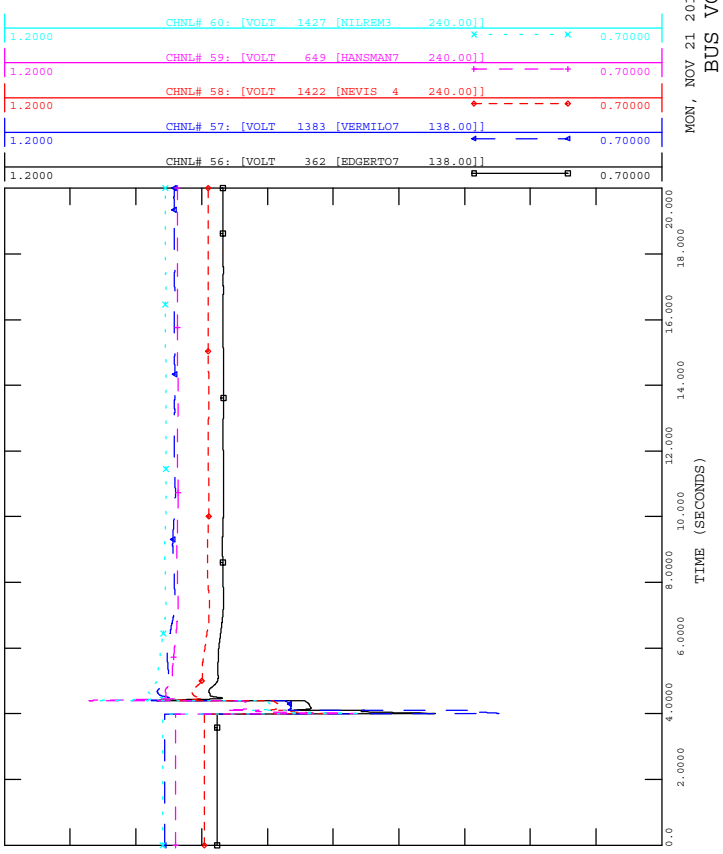
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

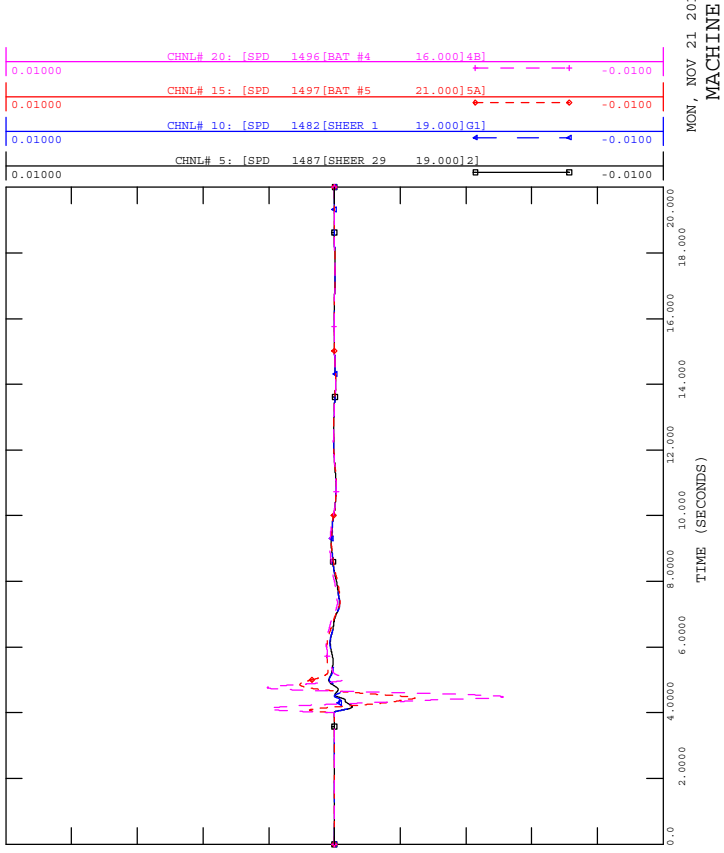


NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

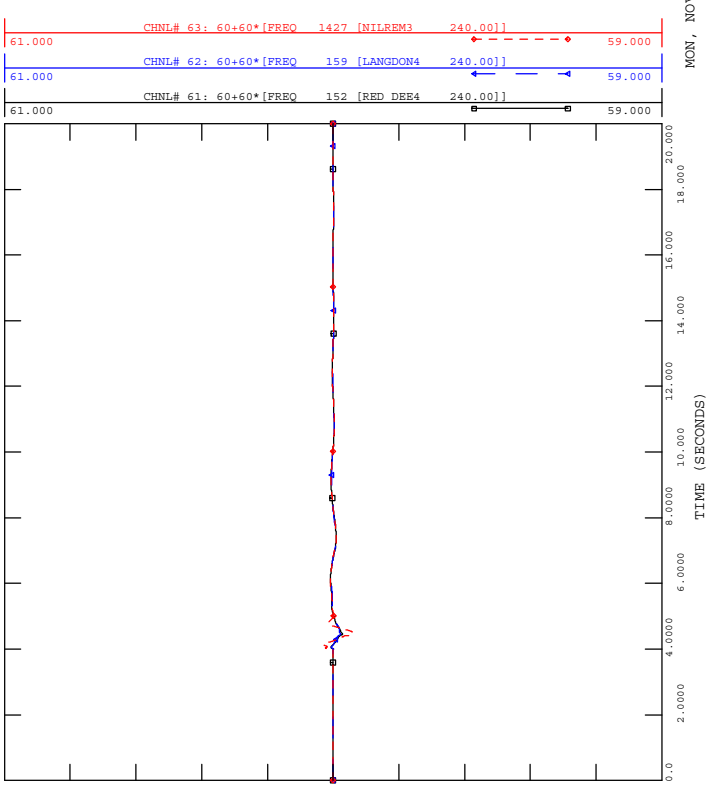


NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out

MON, NOV 21 2016 13:32

FREQUENCY

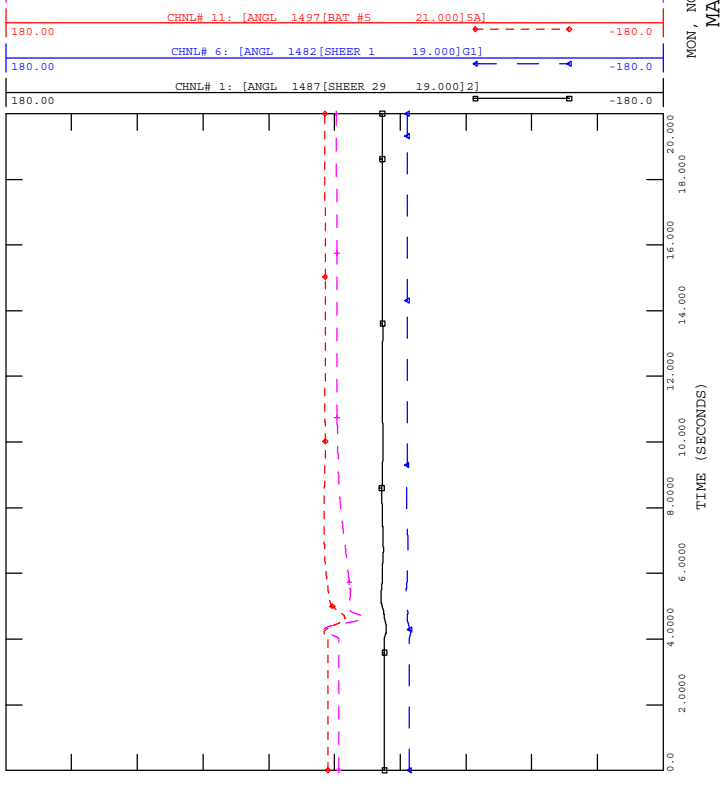


NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out

MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_STROME 223S

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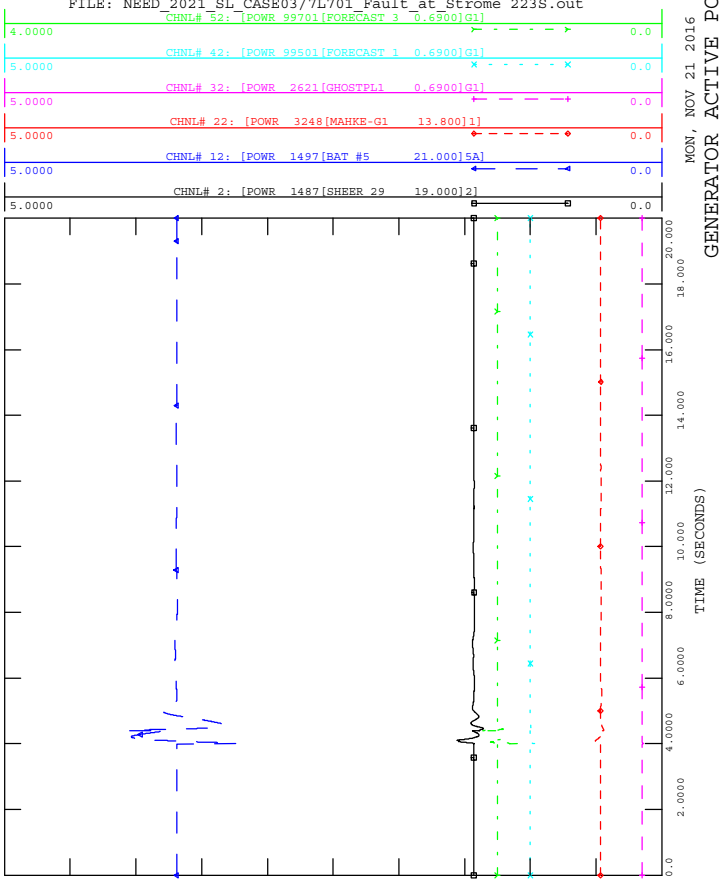
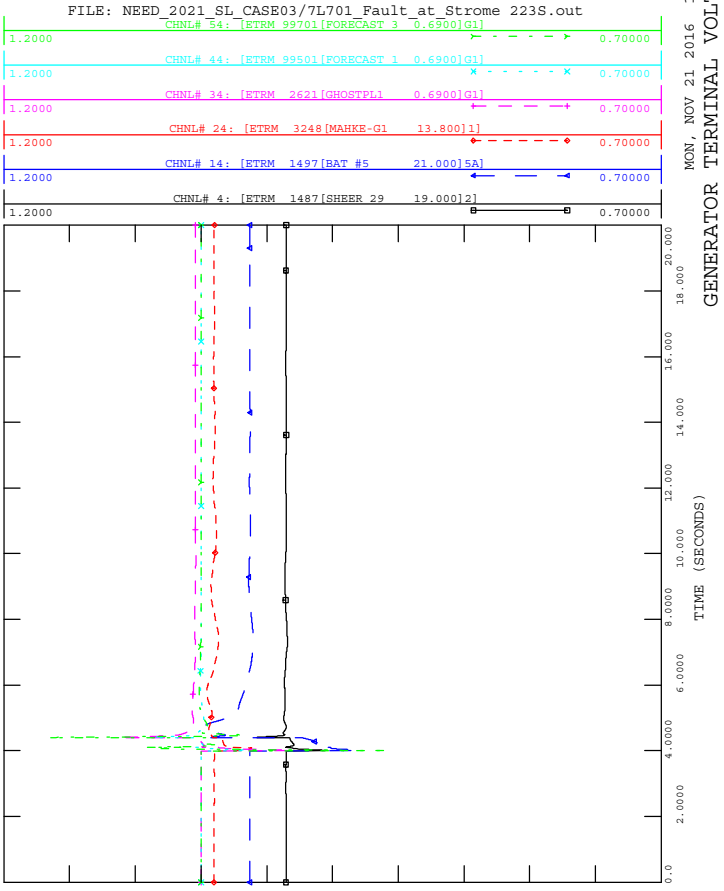


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out

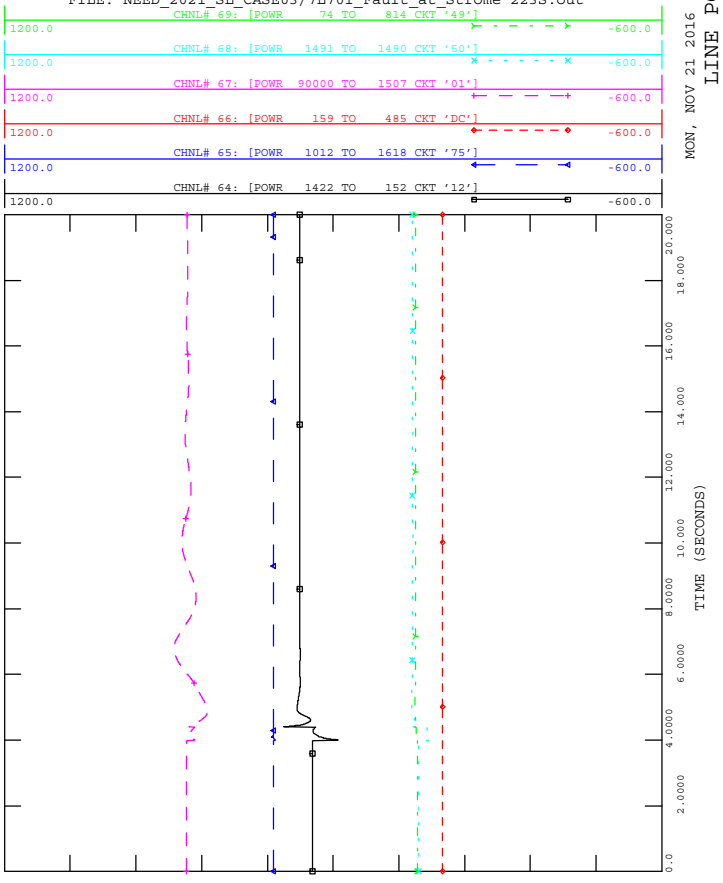


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out

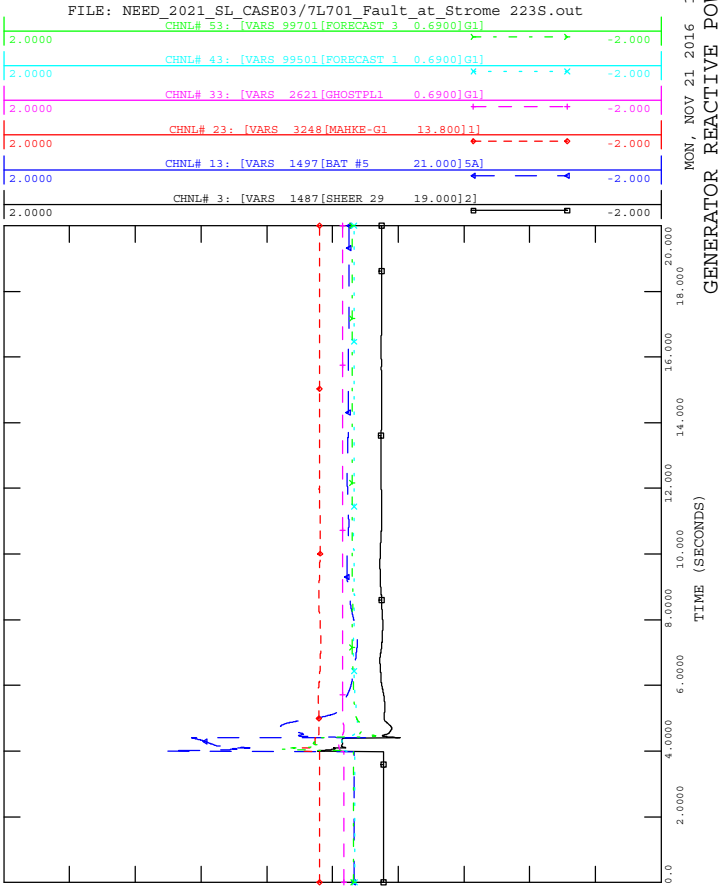


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out



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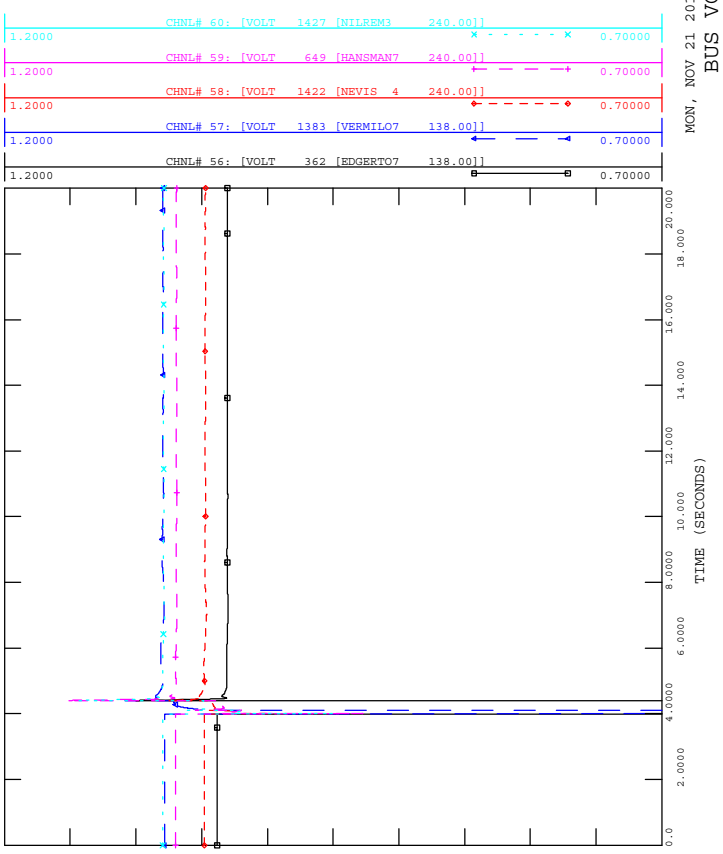
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

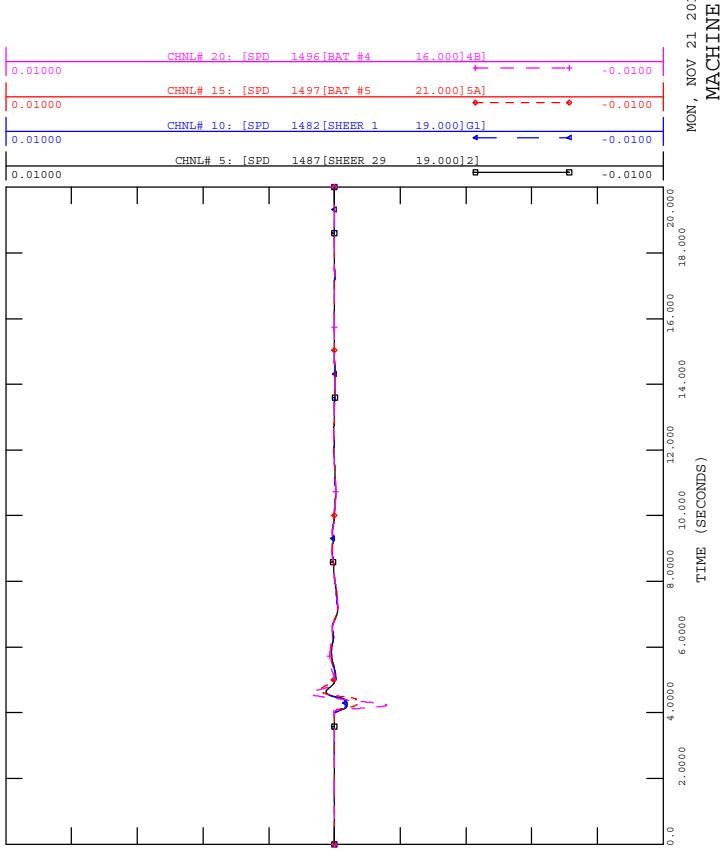


NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 13:32

MACHINE SPEED



NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out

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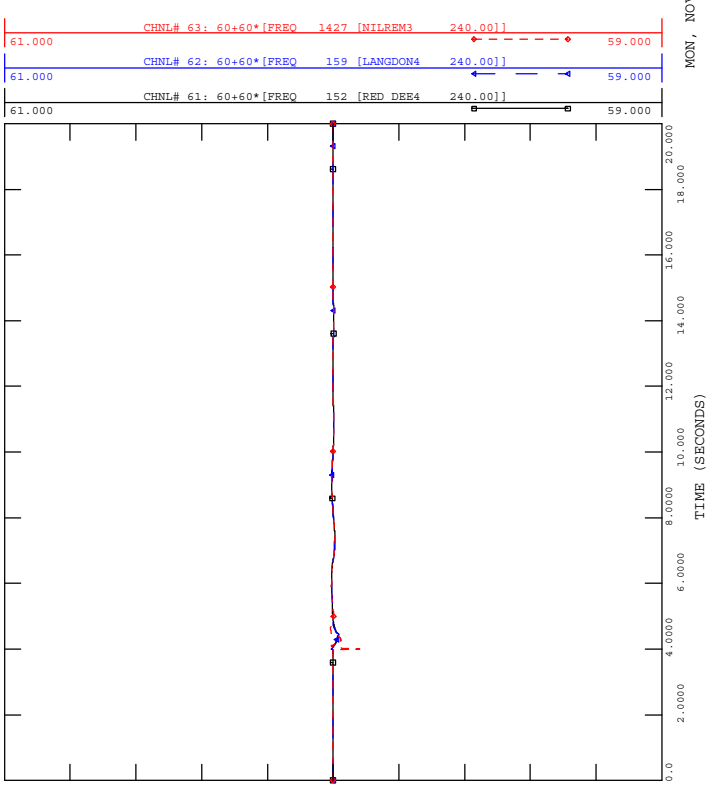
FREQUENCY

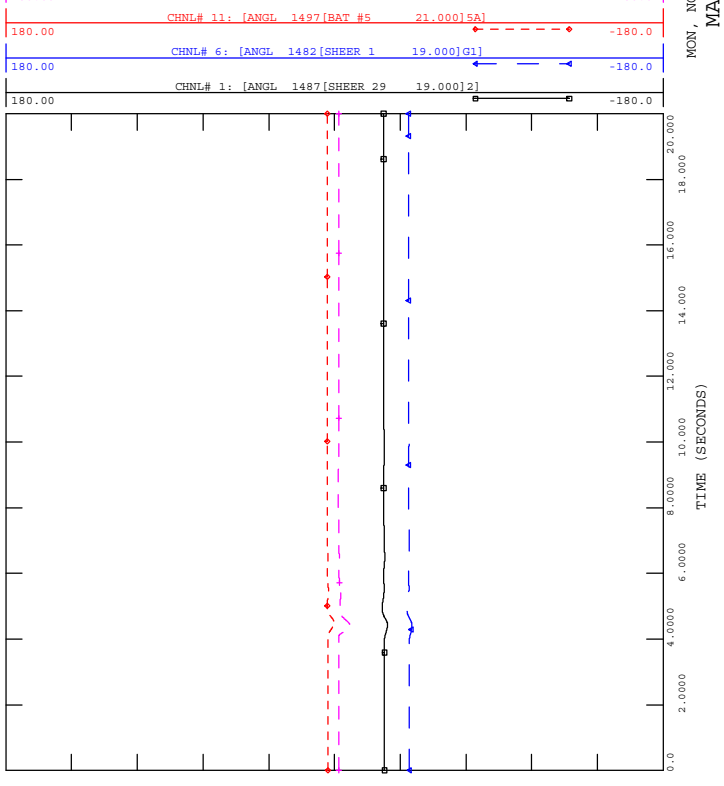


NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out

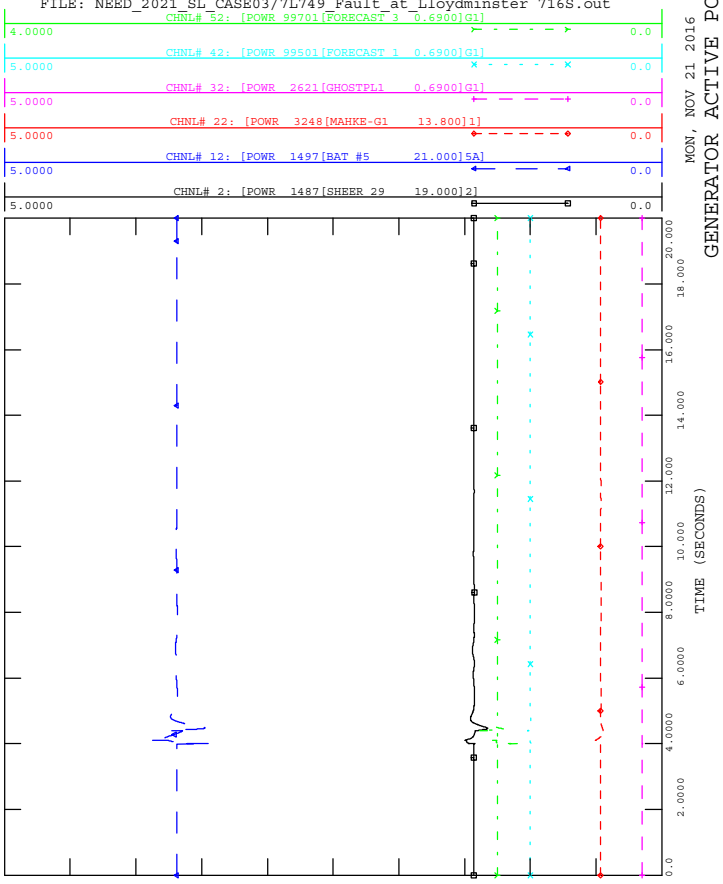
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out

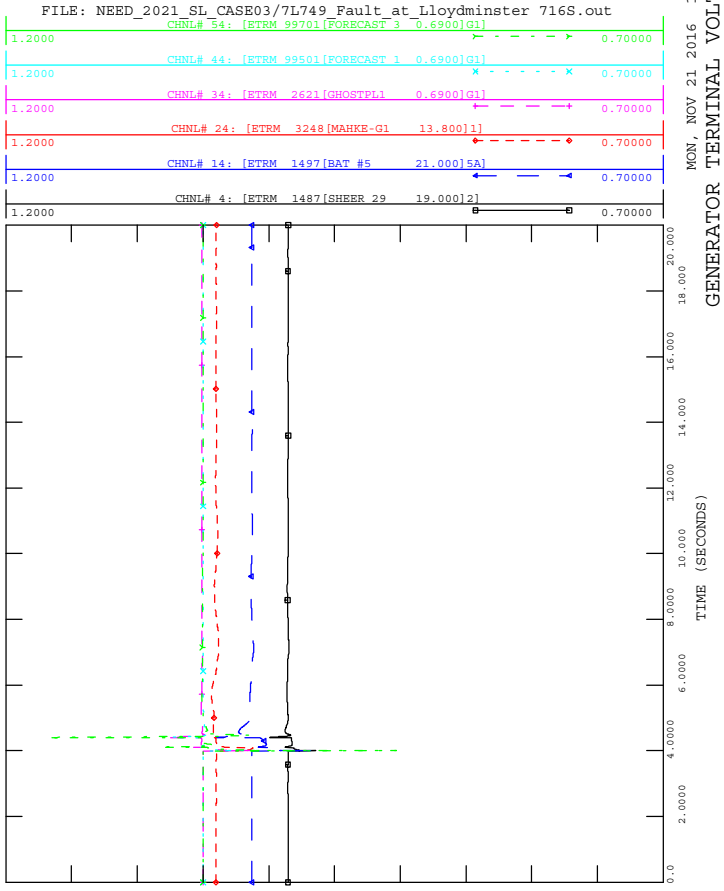


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out

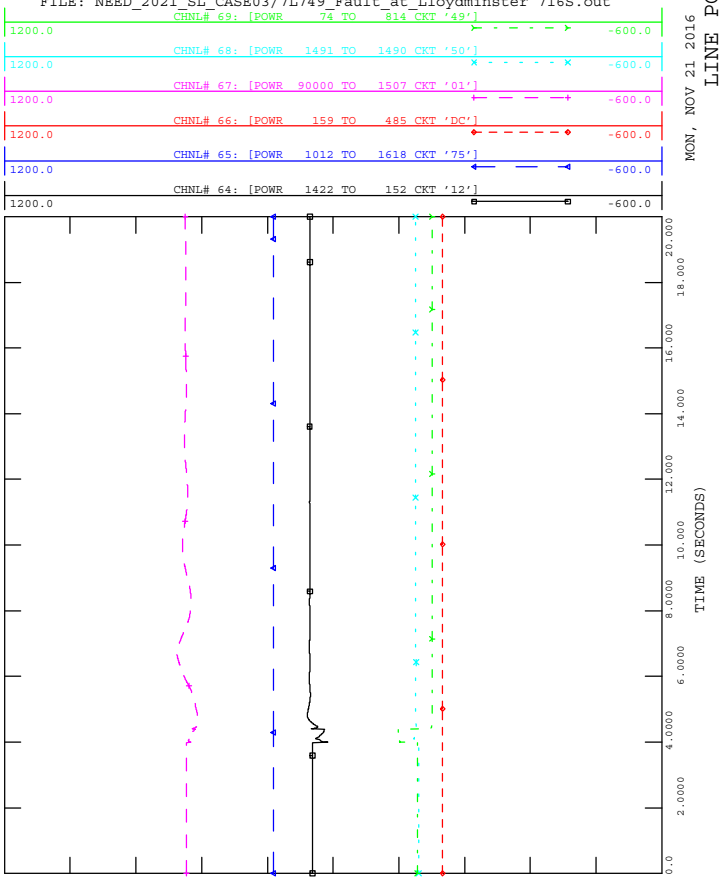


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out

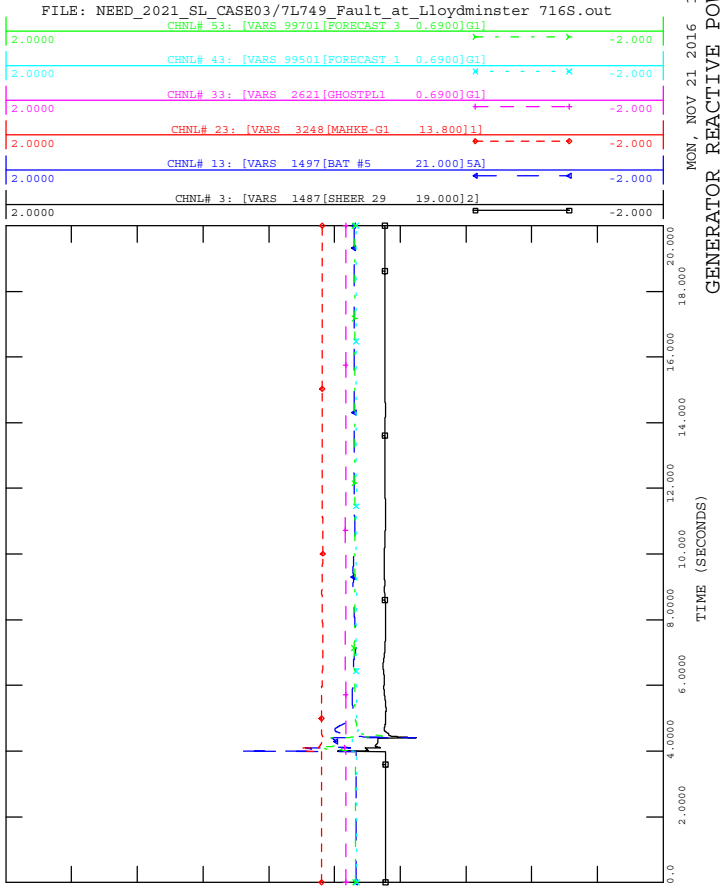


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out

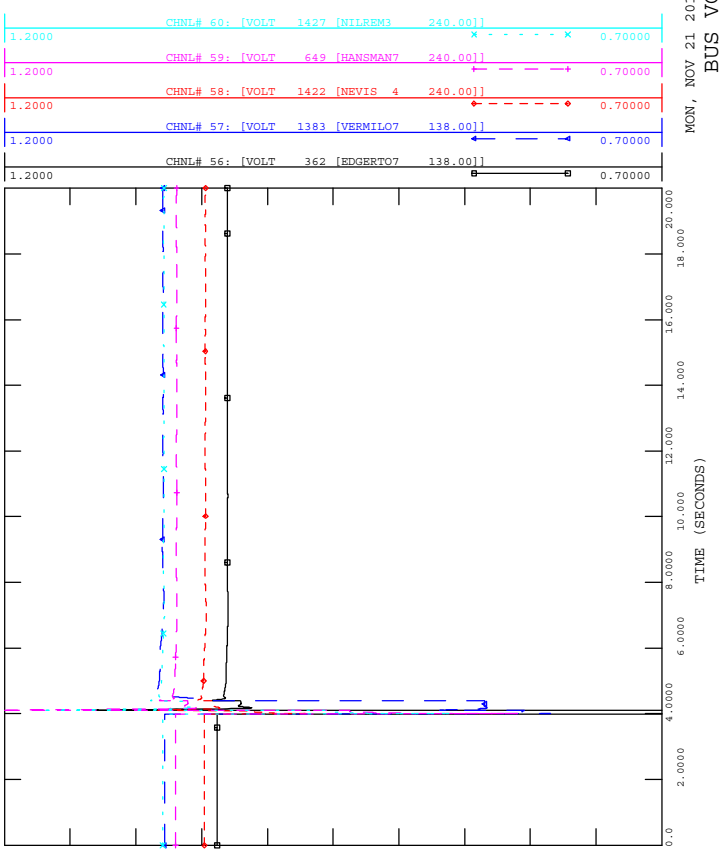


MON, NOV 21 2016 13:32

GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

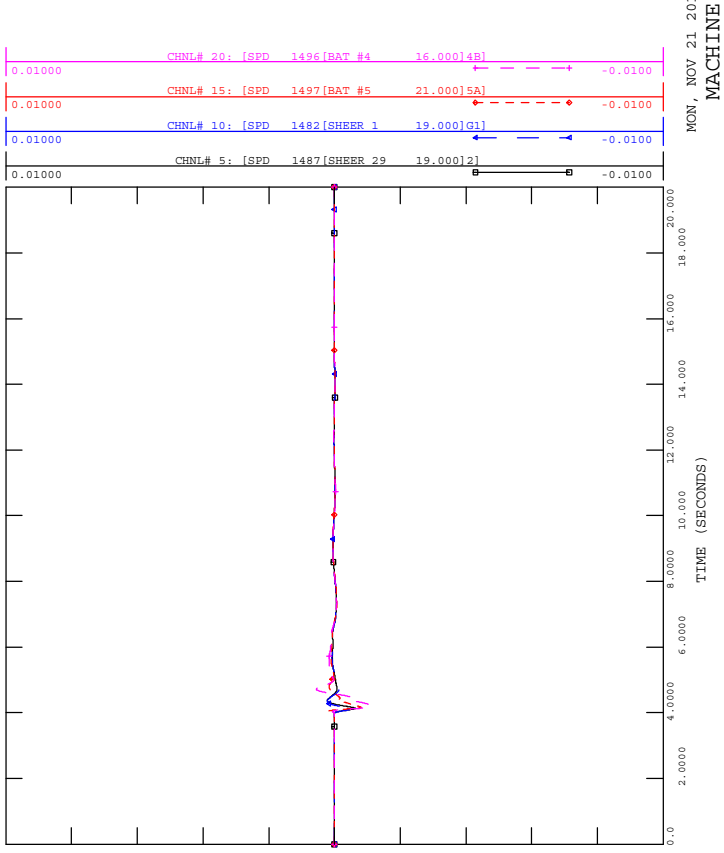
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 13:32
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

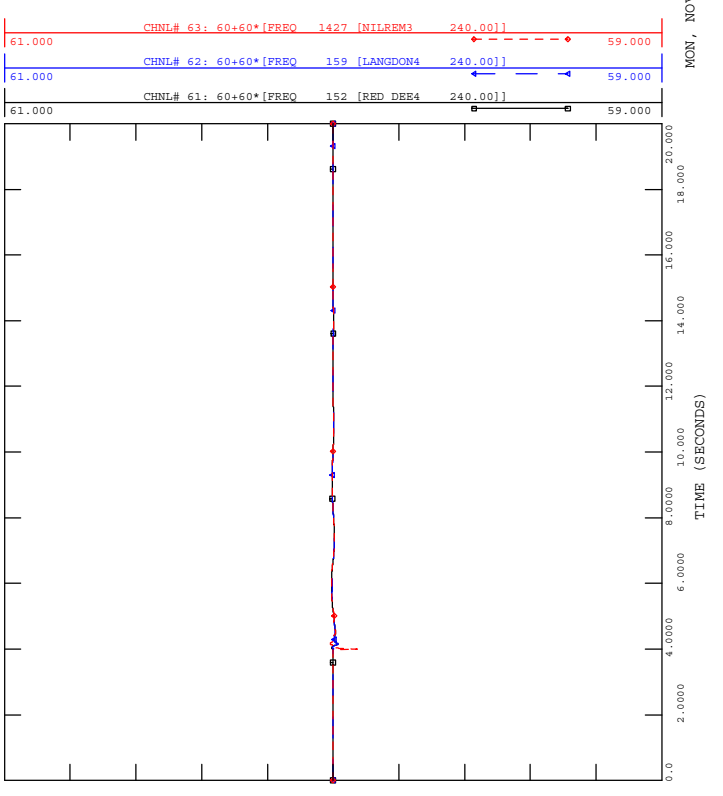
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 13:32
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

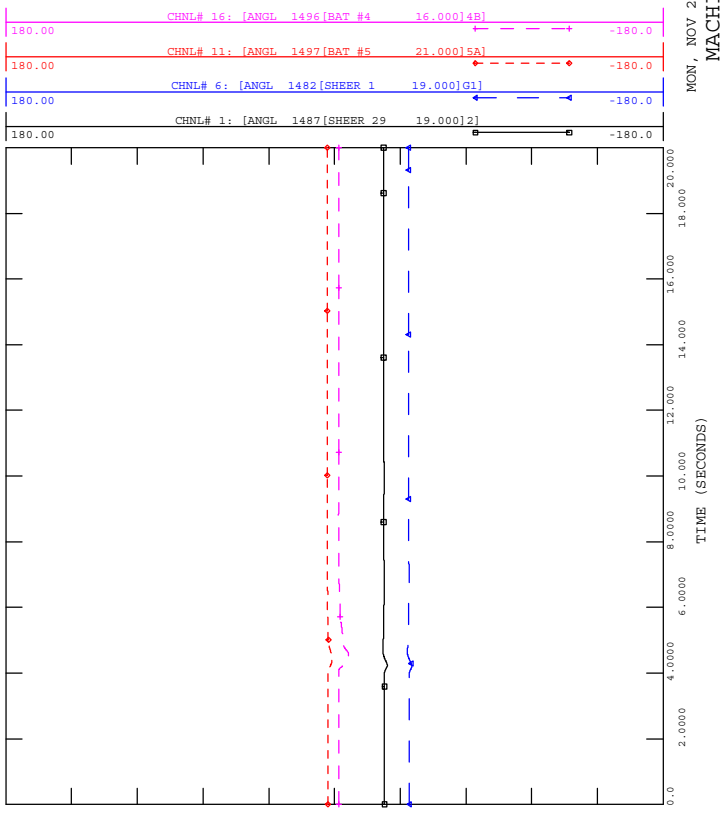
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 13:32
FREQUENCY

NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

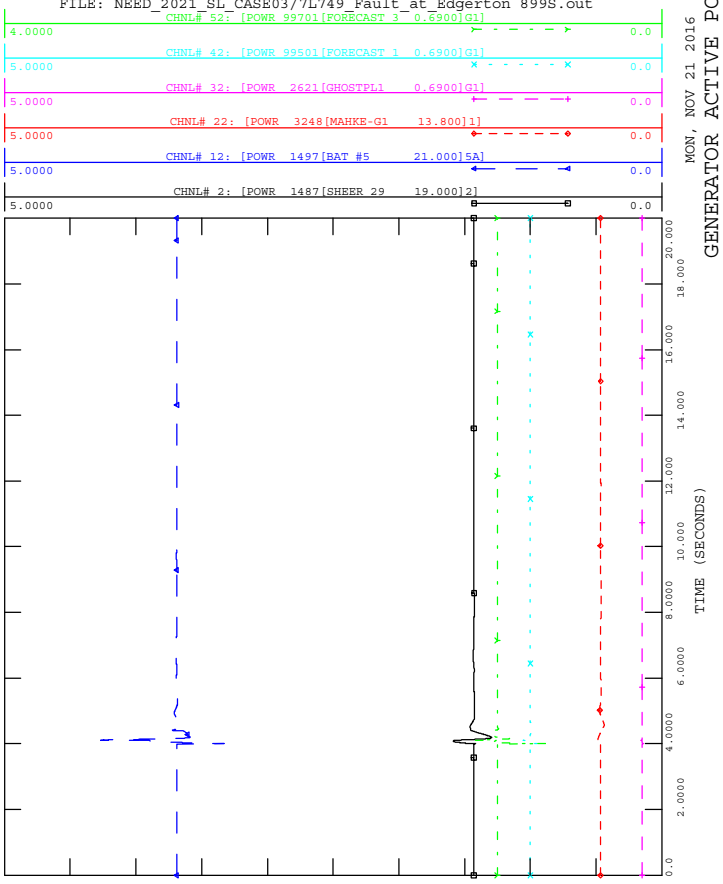
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 13:32
MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out



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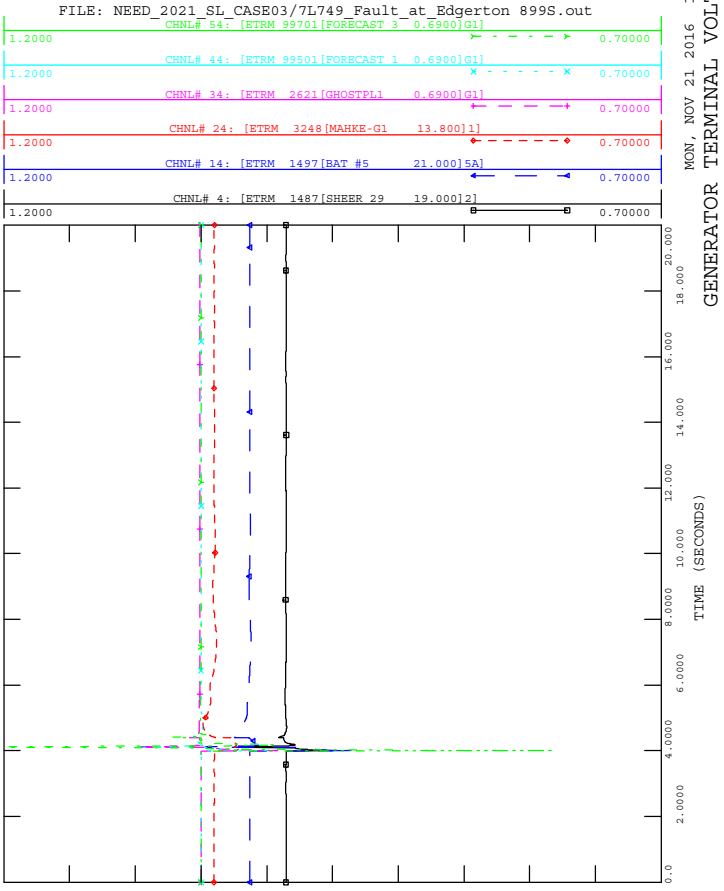
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out



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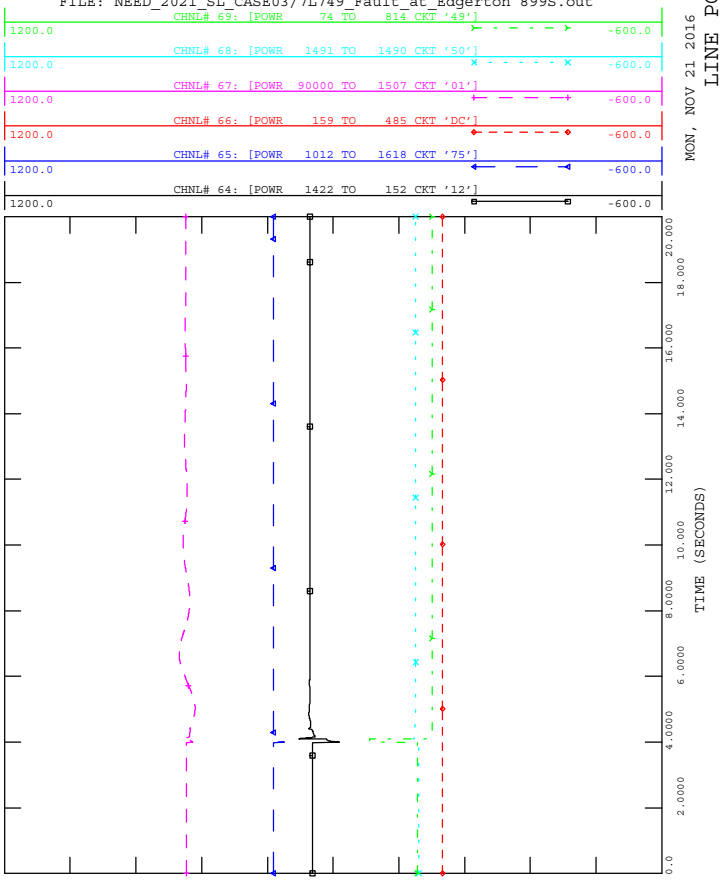
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out



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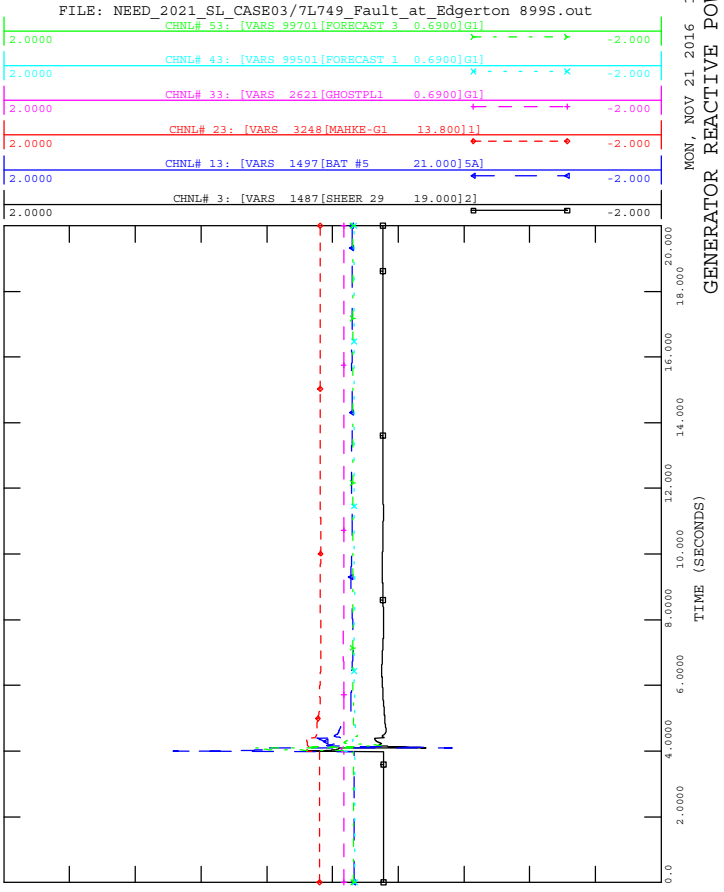
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out



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GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out

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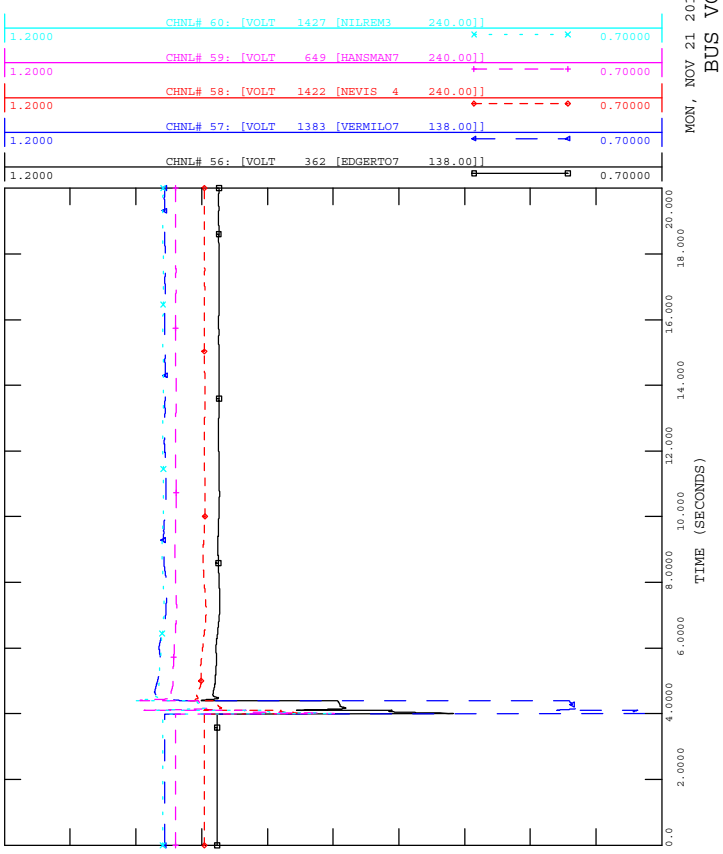
BUS VOLTAGE

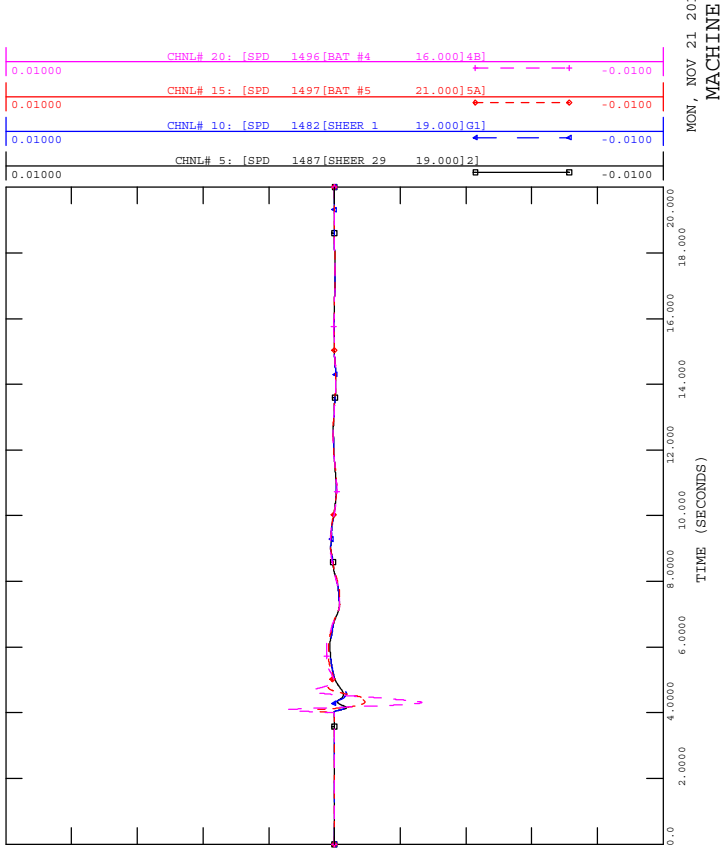


NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

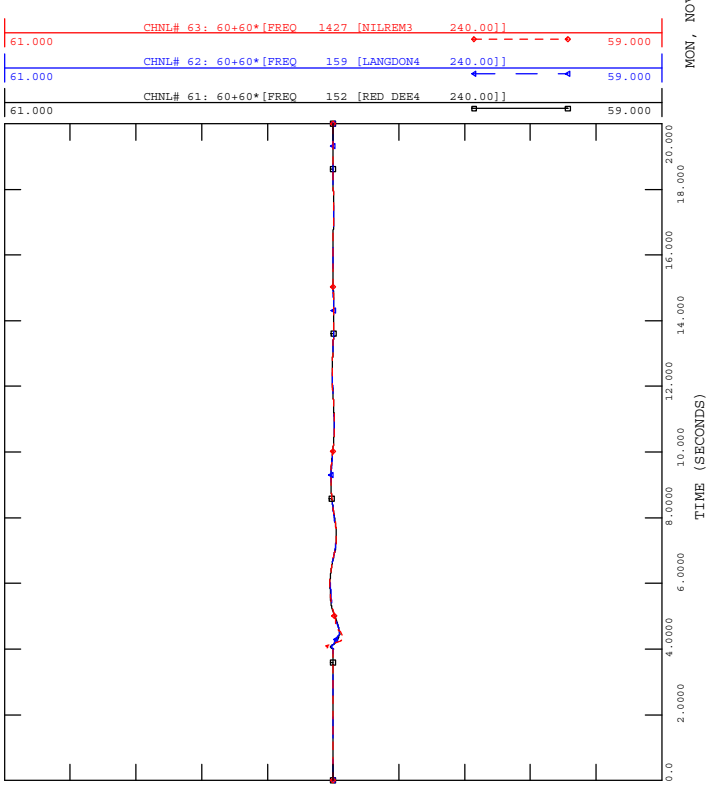


NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:32

FREQUENCY

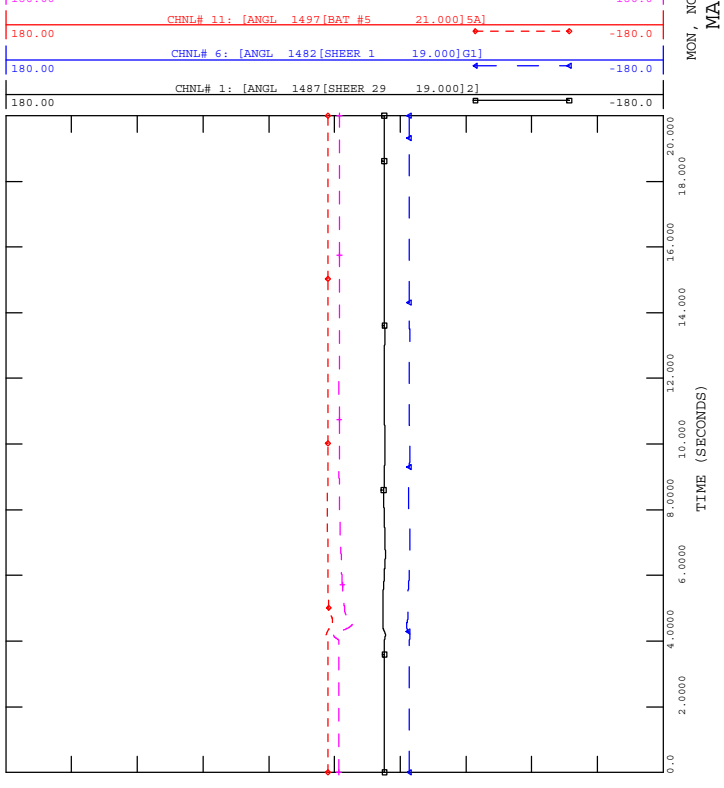


NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out

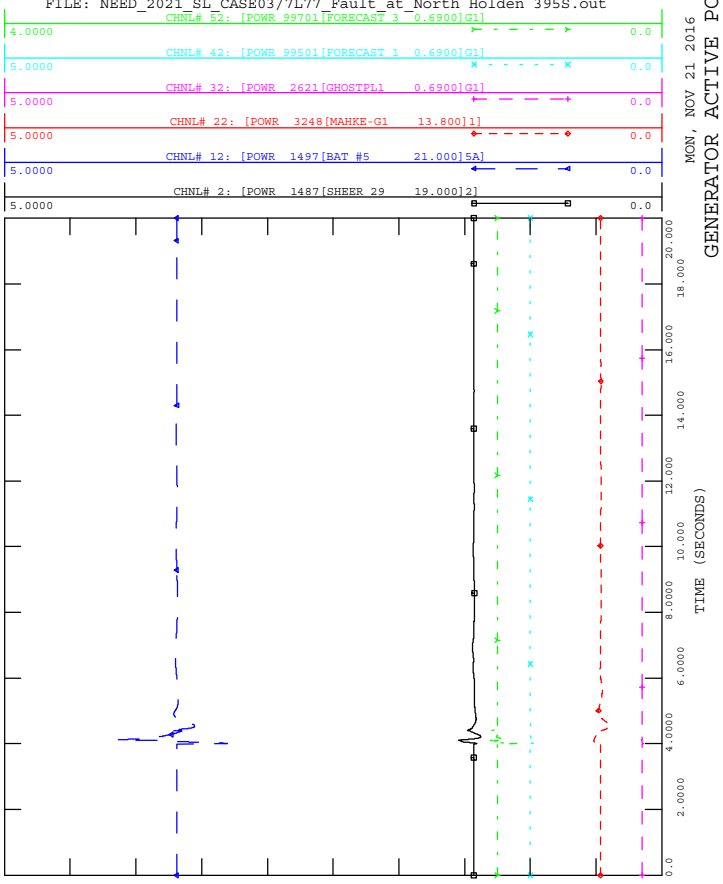
MON, NOV 21 2016 13:32

MACHINE ANGEL



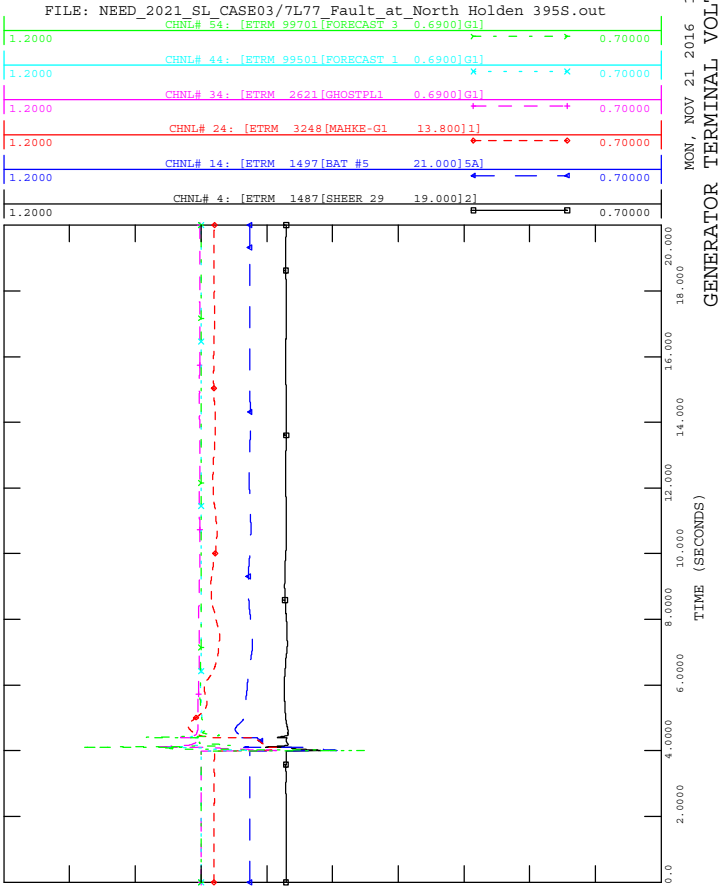
NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out



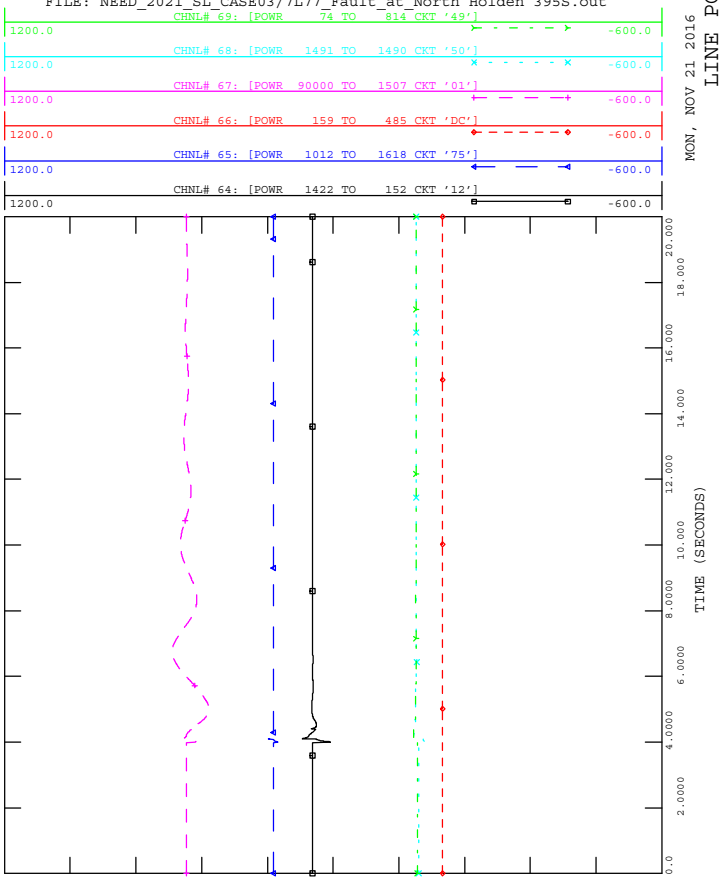
NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out



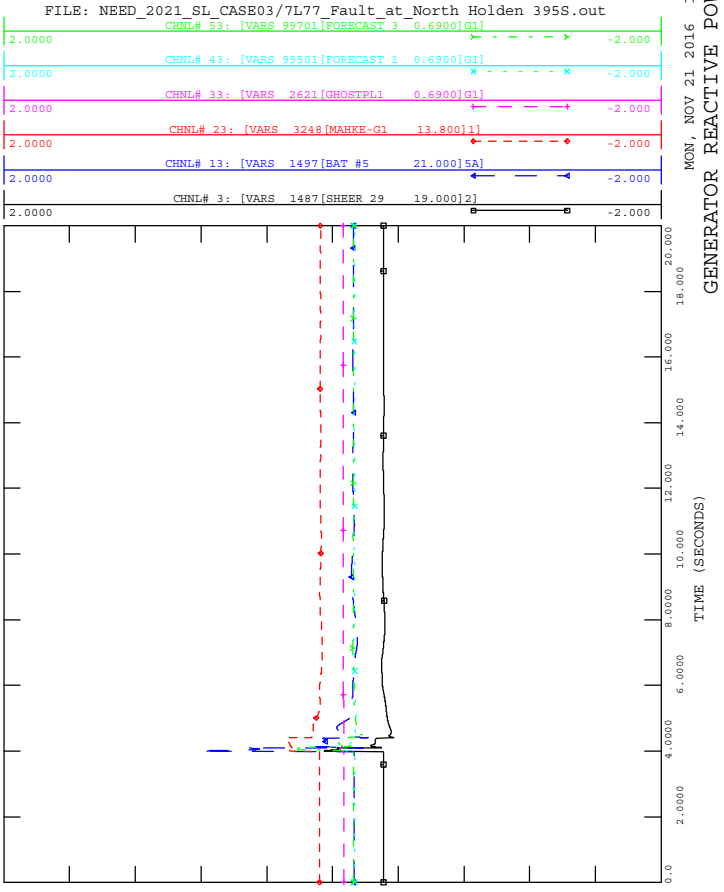
NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out



NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out



NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out

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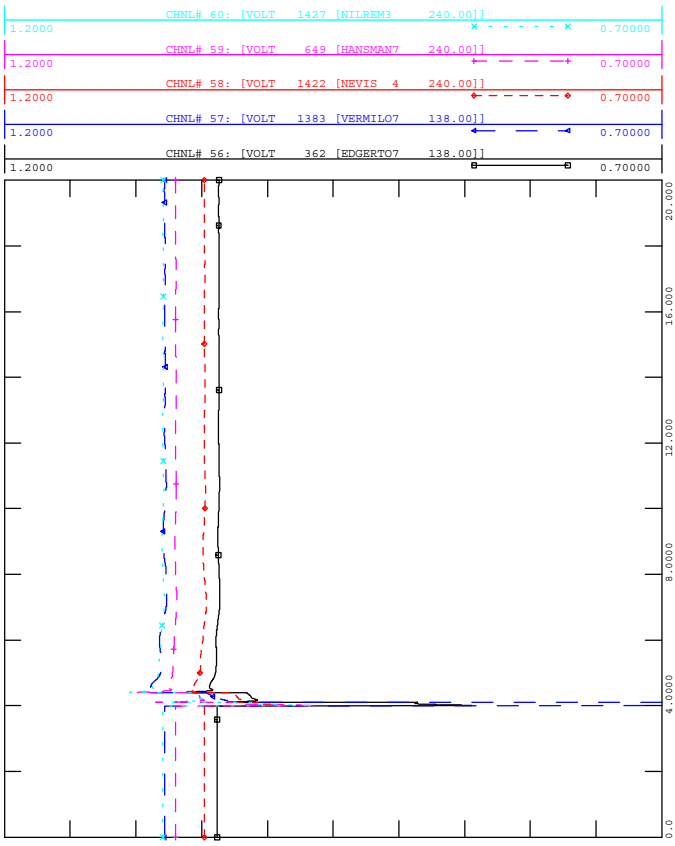
BUS VOLTAGE



NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out

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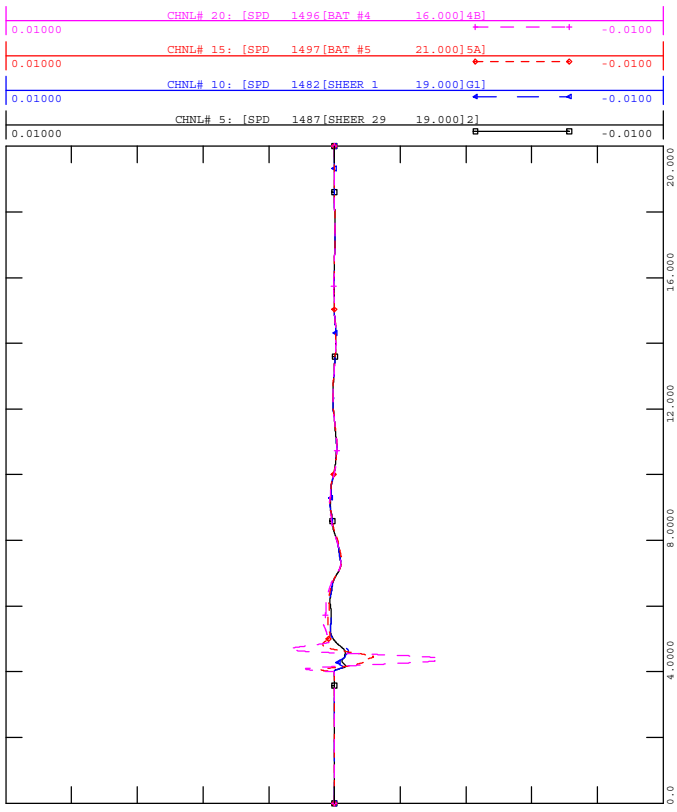
MACHINE SPEED



NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out

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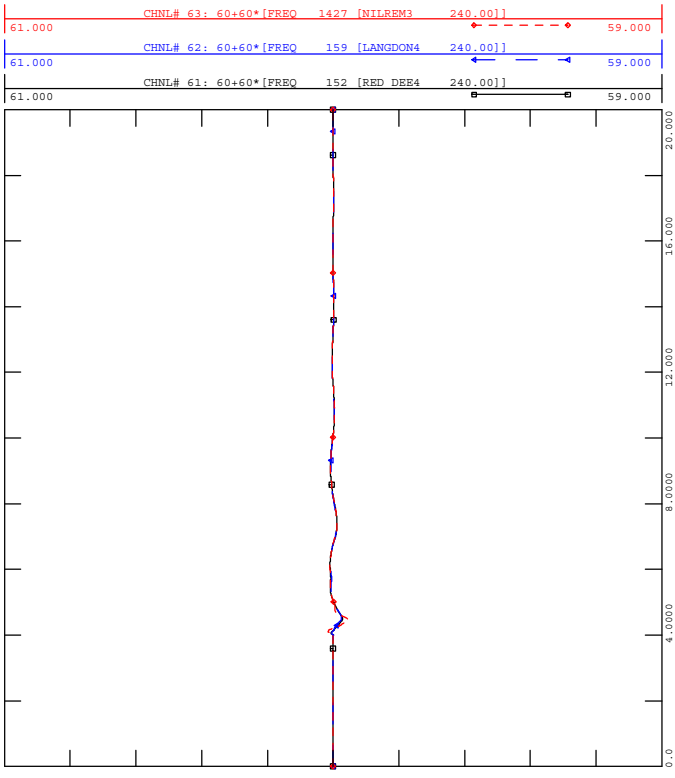
FREQUENCY

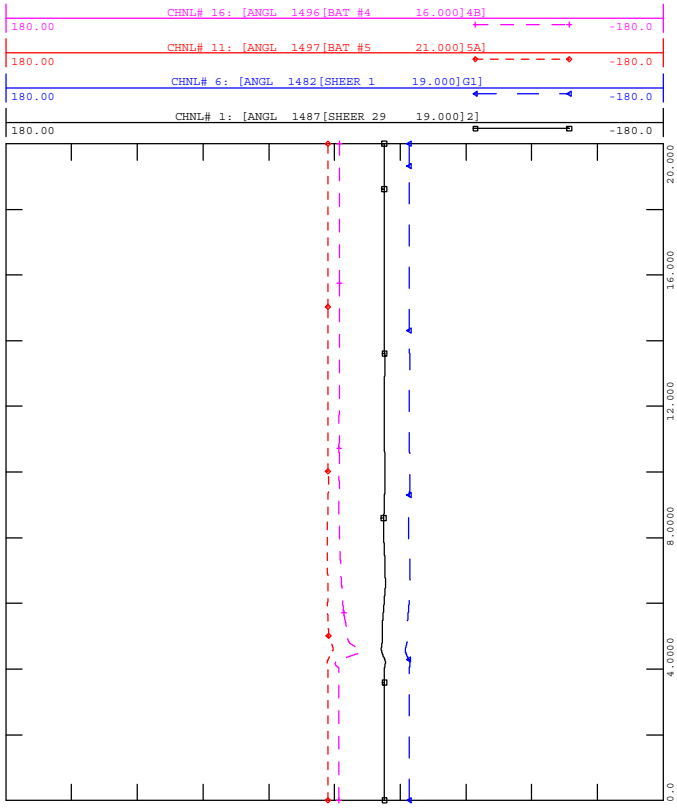


NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out

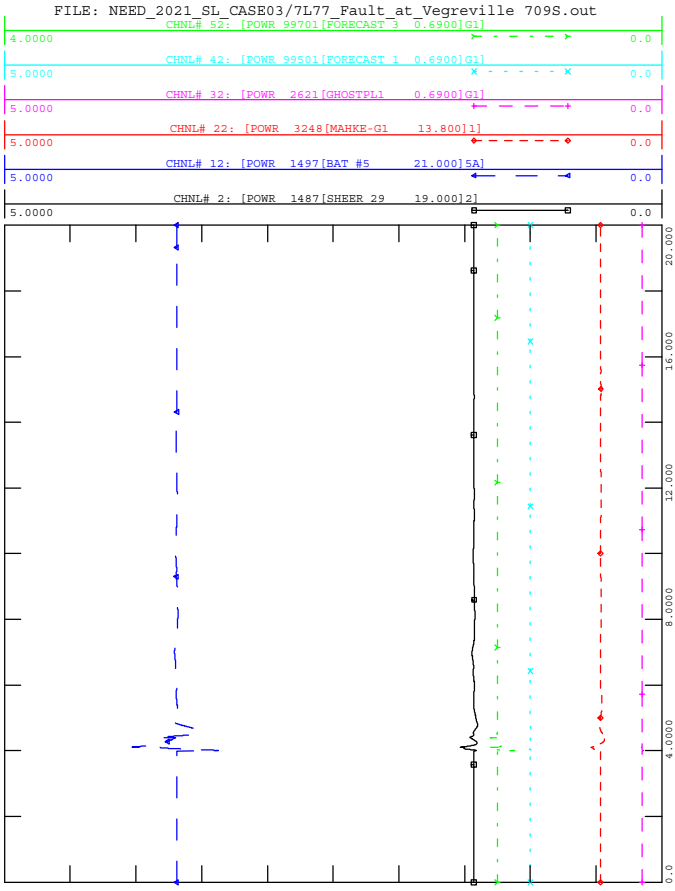
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out



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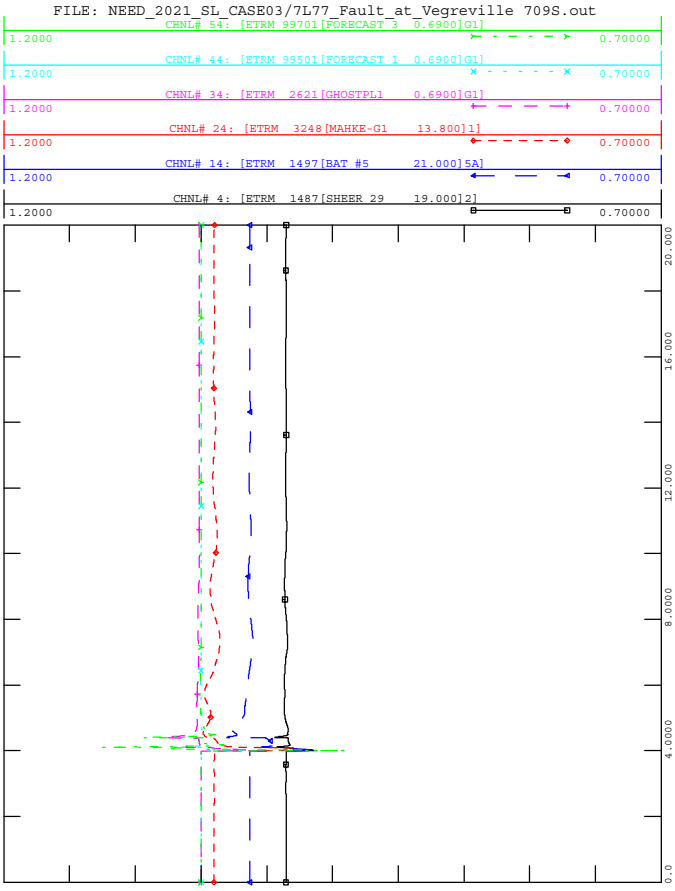
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out



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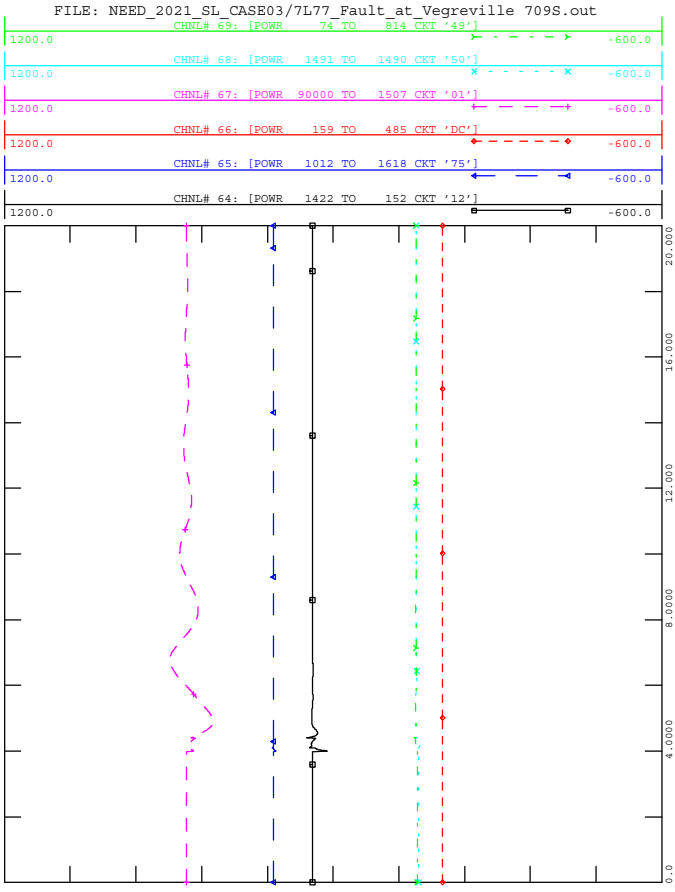
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out

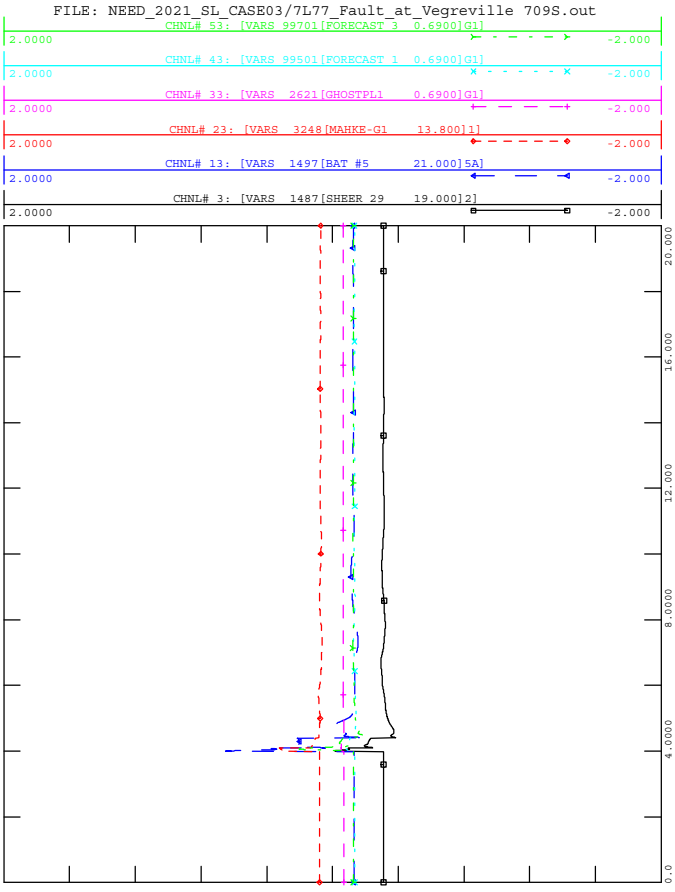


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 13:32

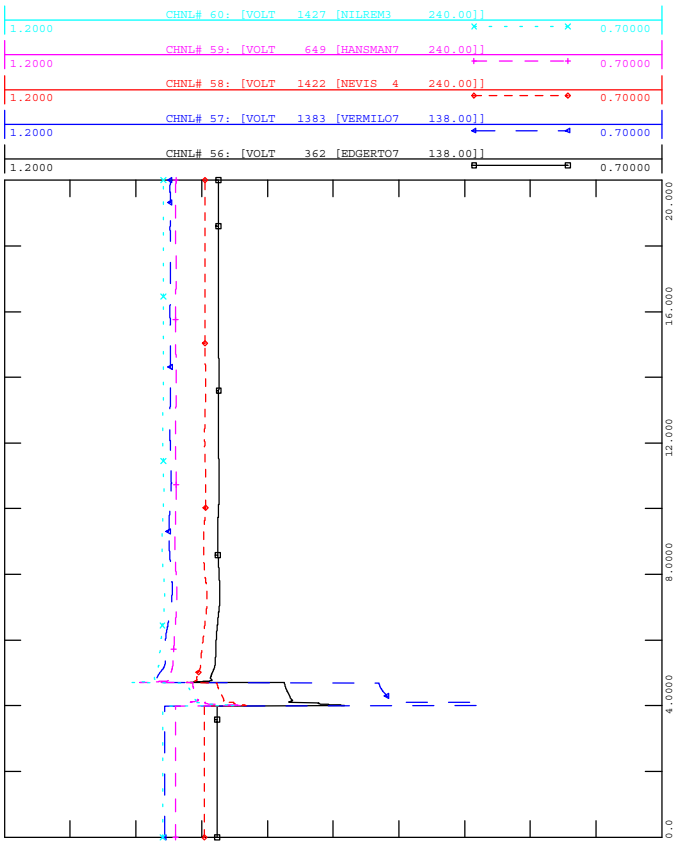
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

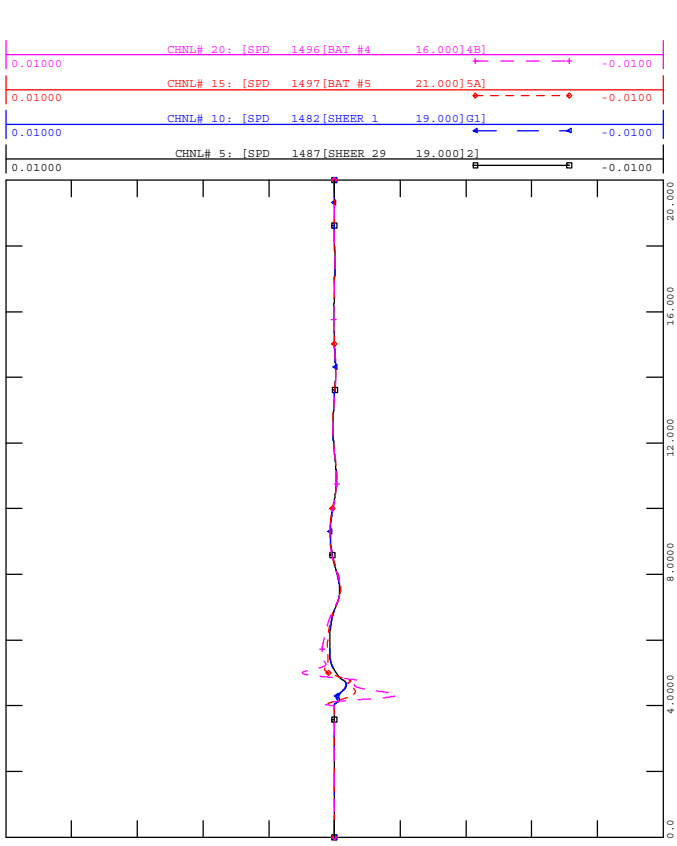


NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

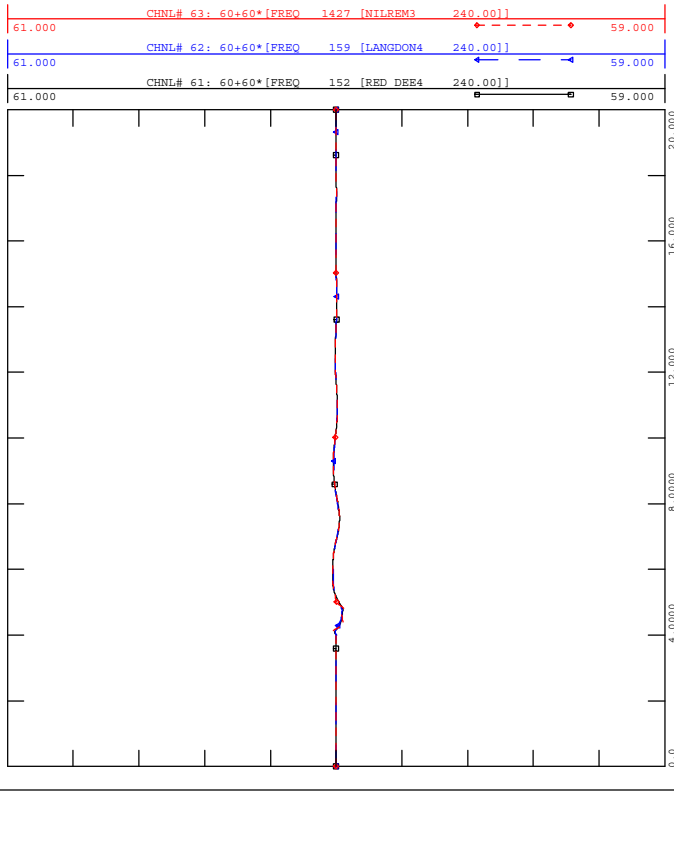


NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out

MON, NOV 21 2016 13:32

FREQUENCY

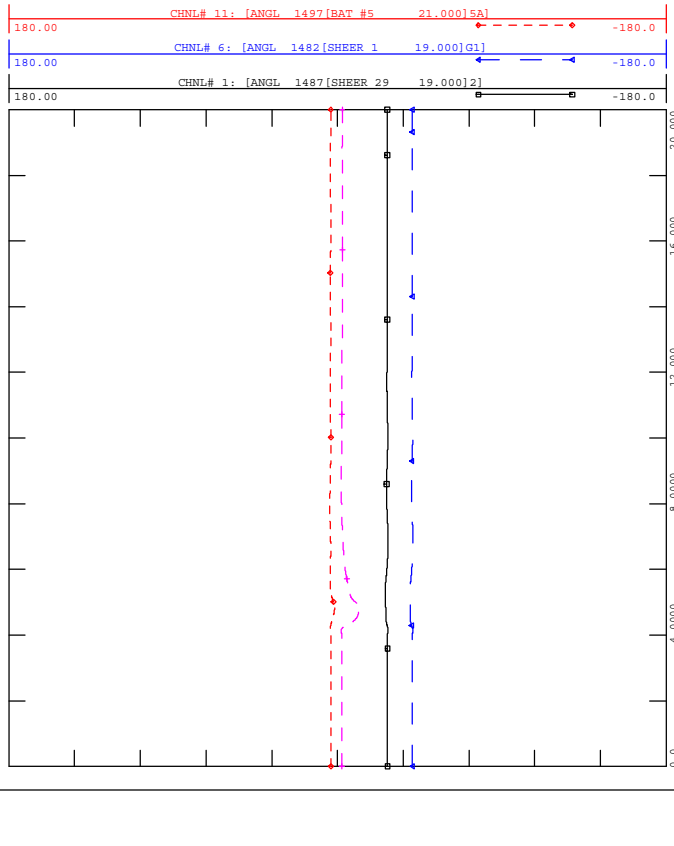


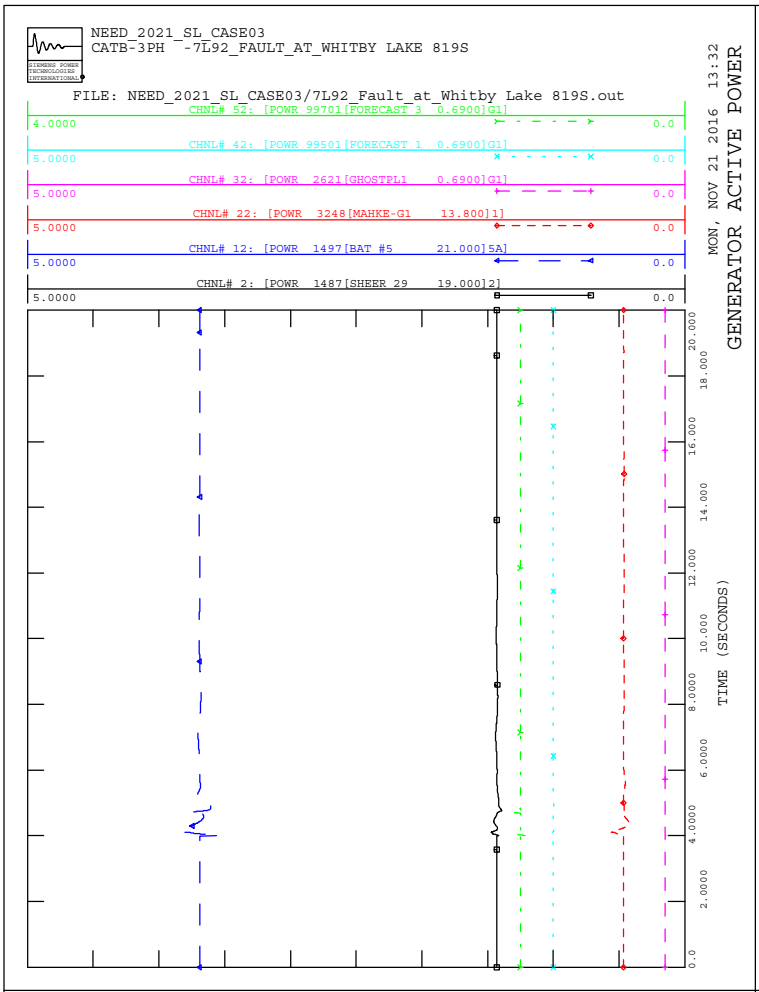
NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

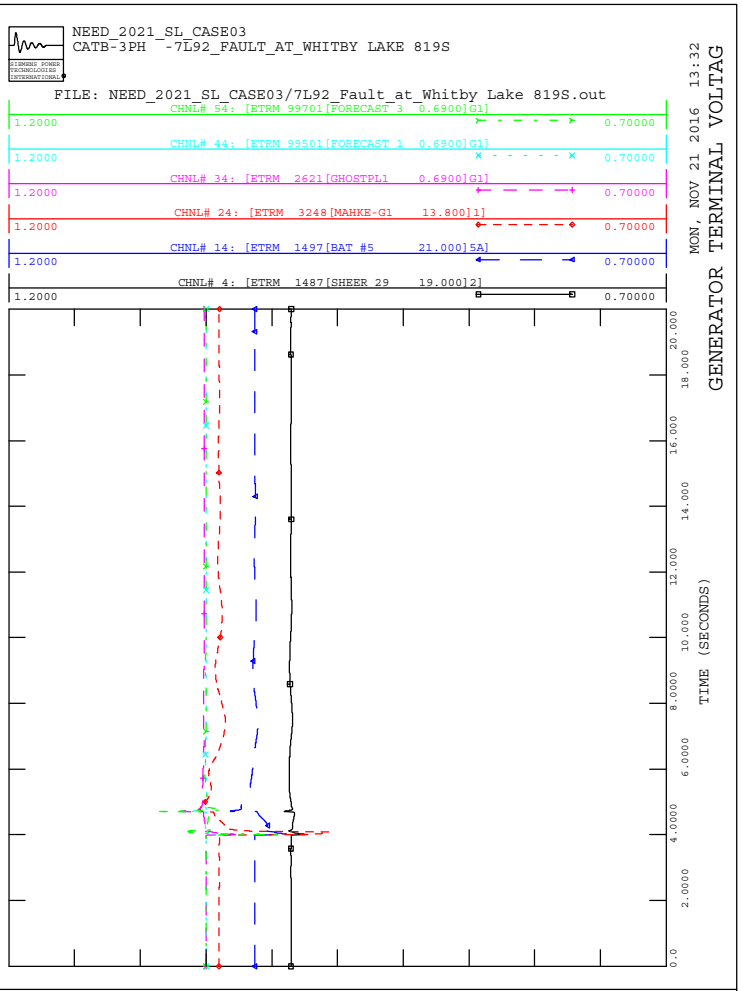
FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out

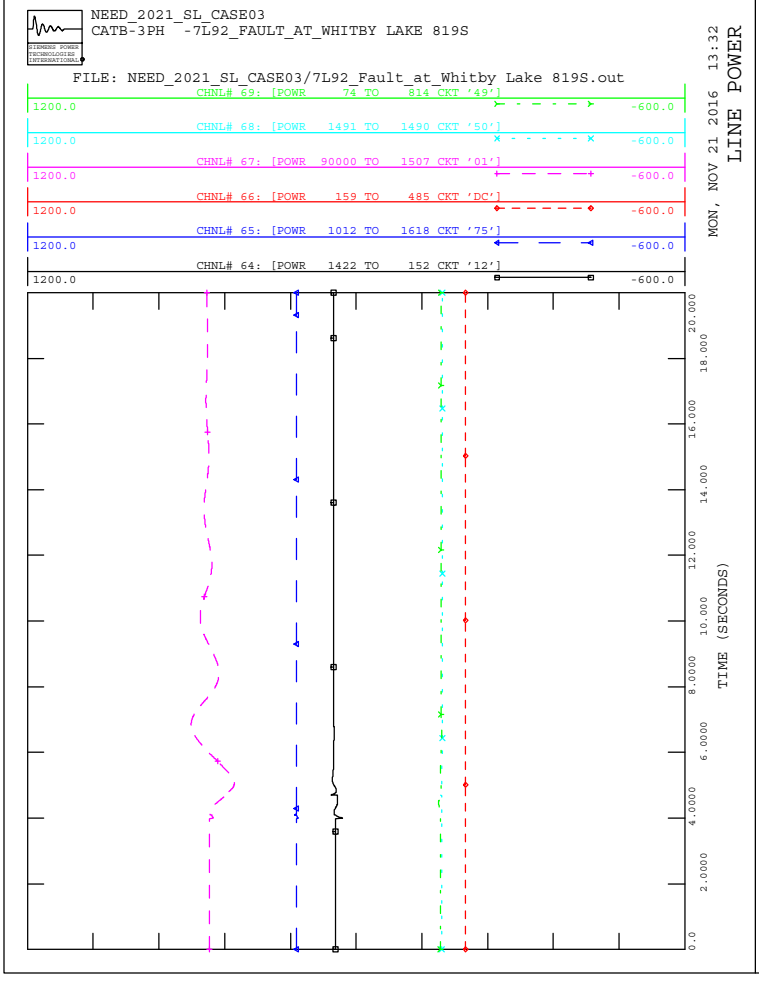
MON, NOV 21 2016 13:32

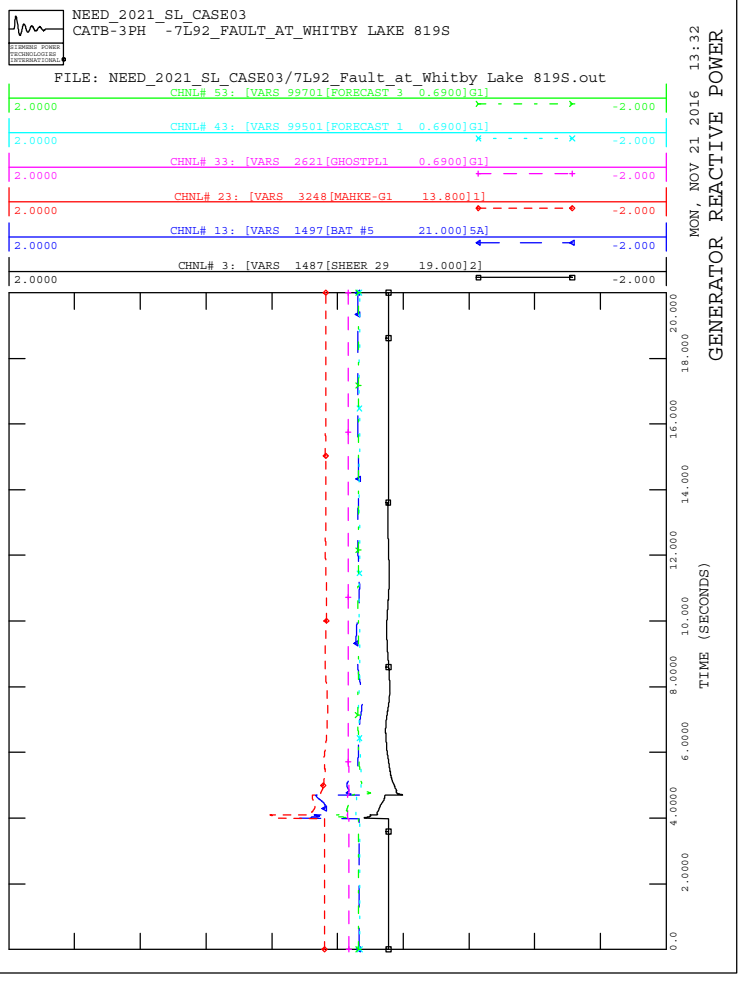
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:32
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:32
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:32
TIME (SECONDS)

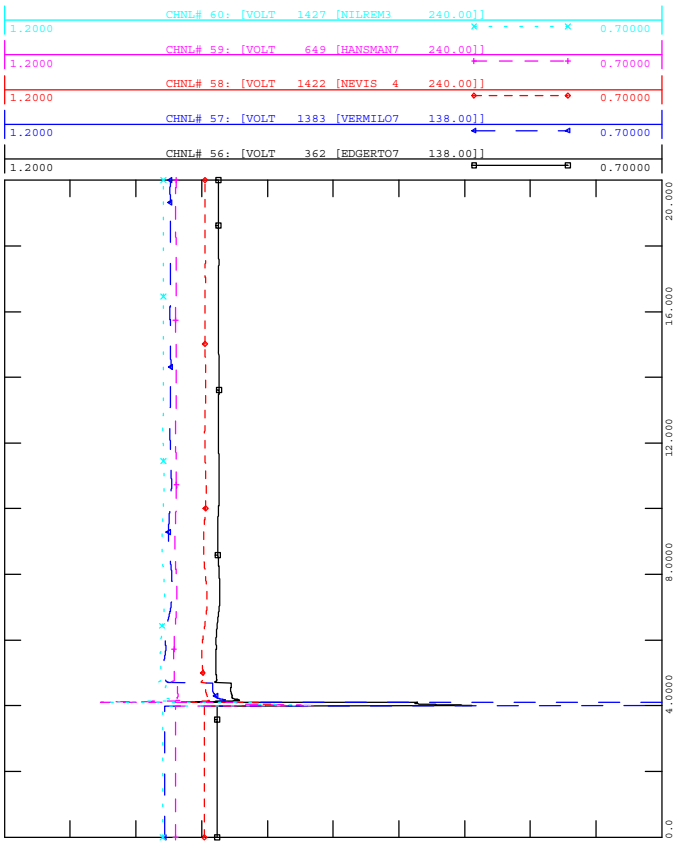

NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:32
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

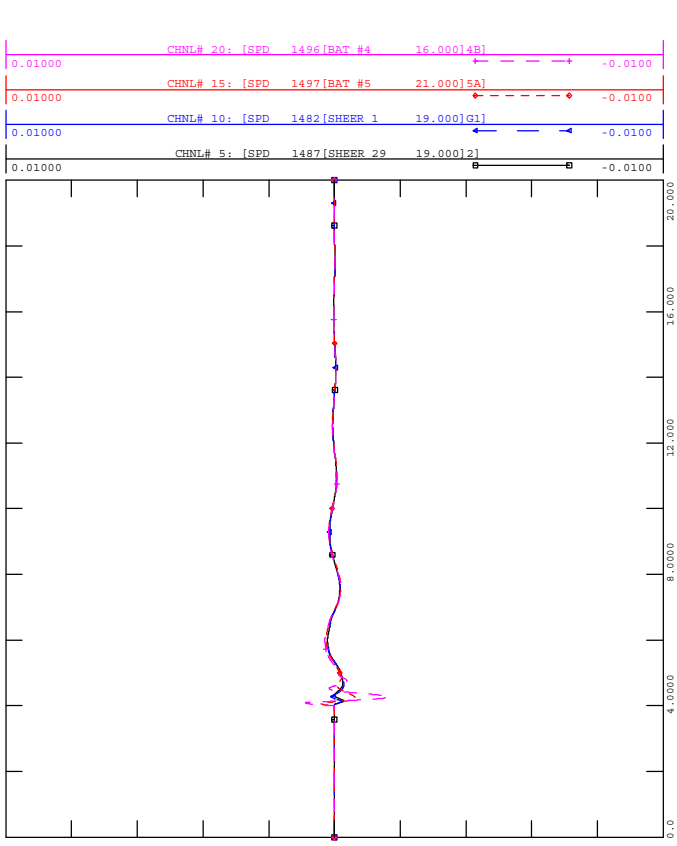


NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

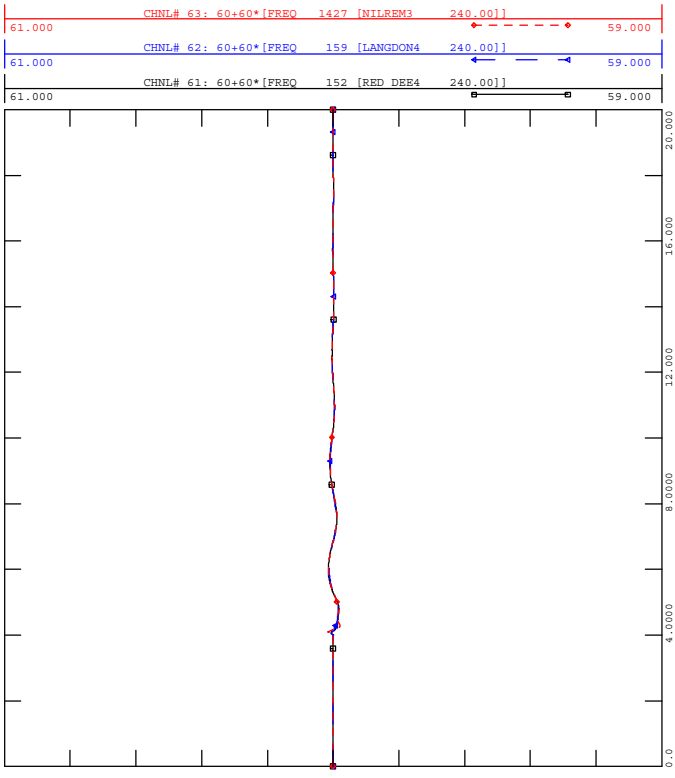


NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 13:32

FREQUENCY

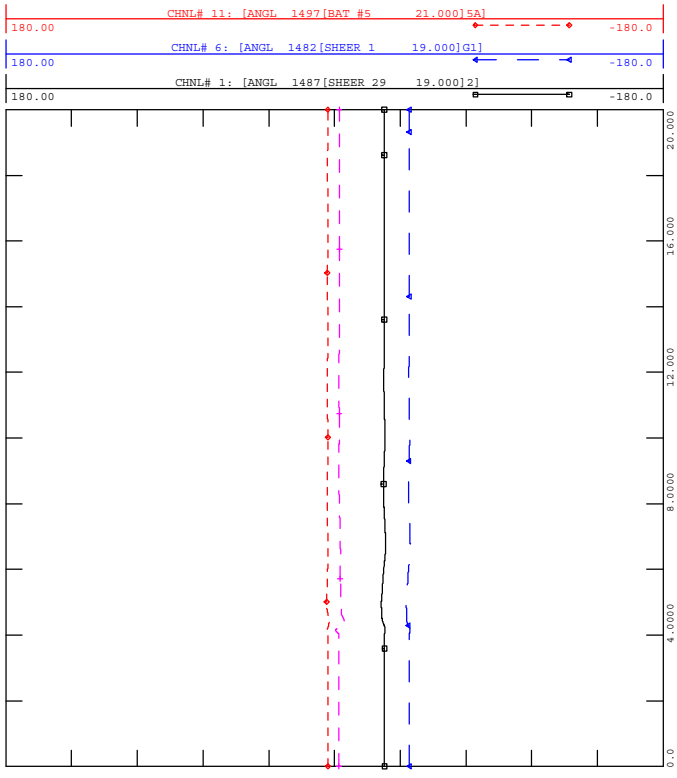


NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out

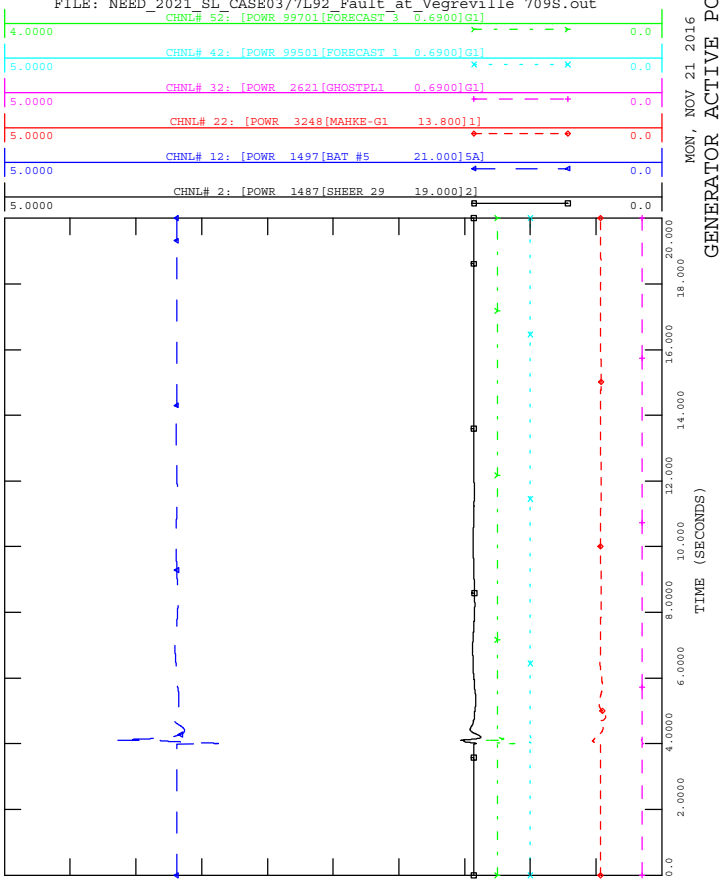
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out

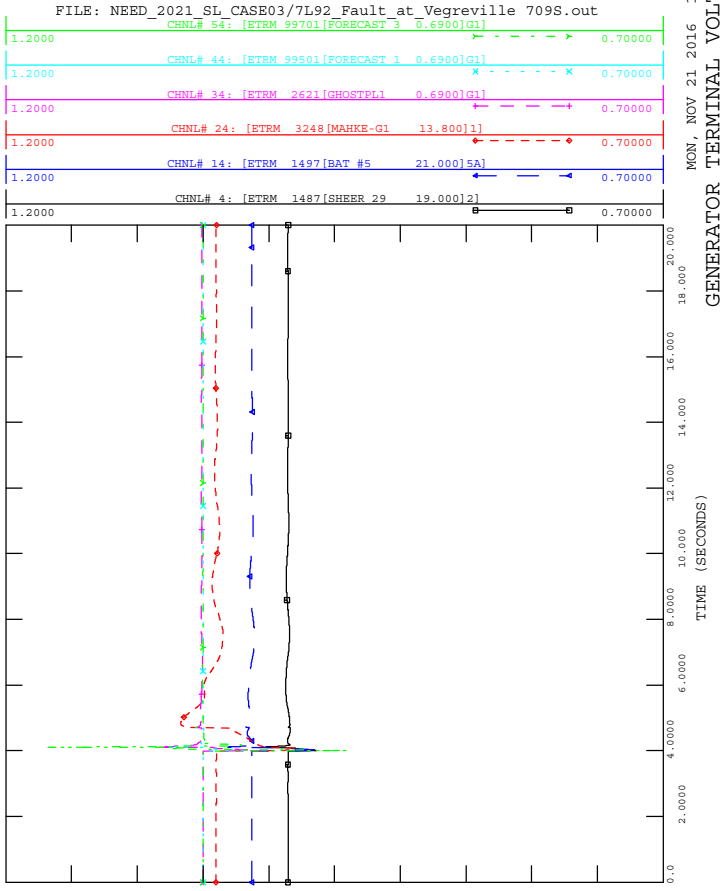


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out

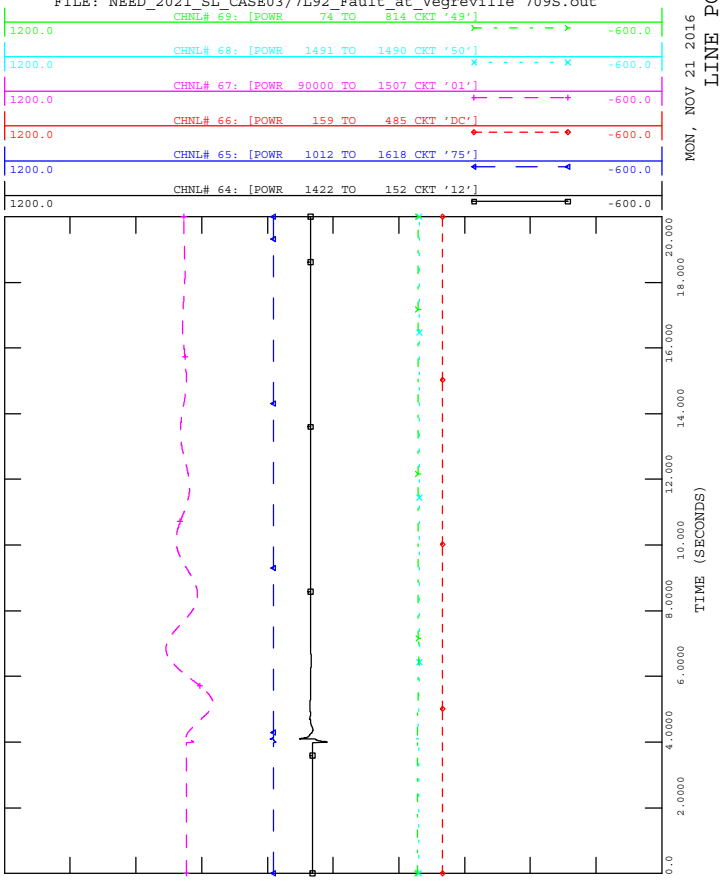


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out

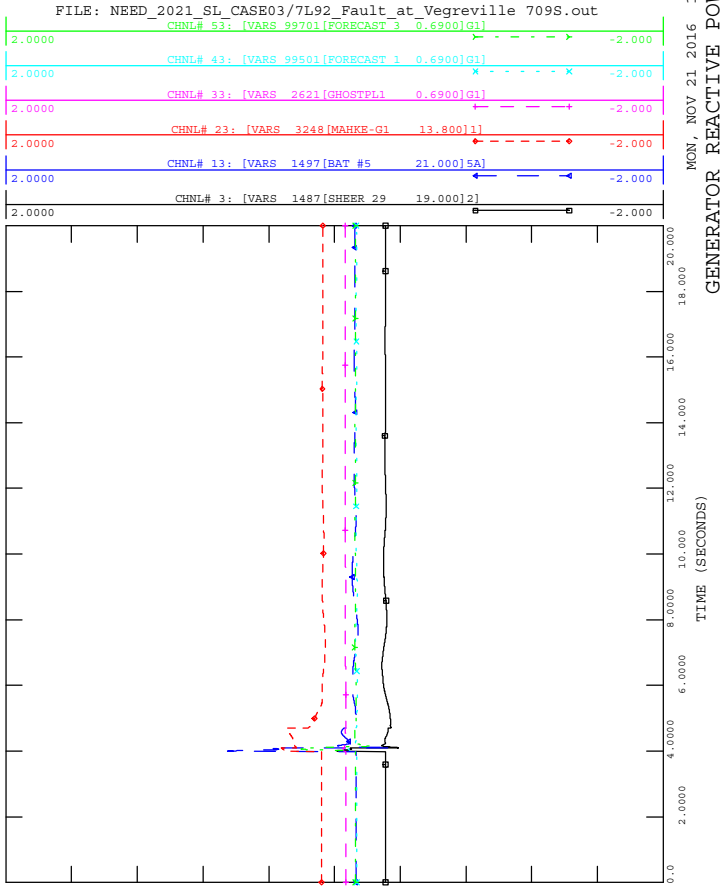


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out



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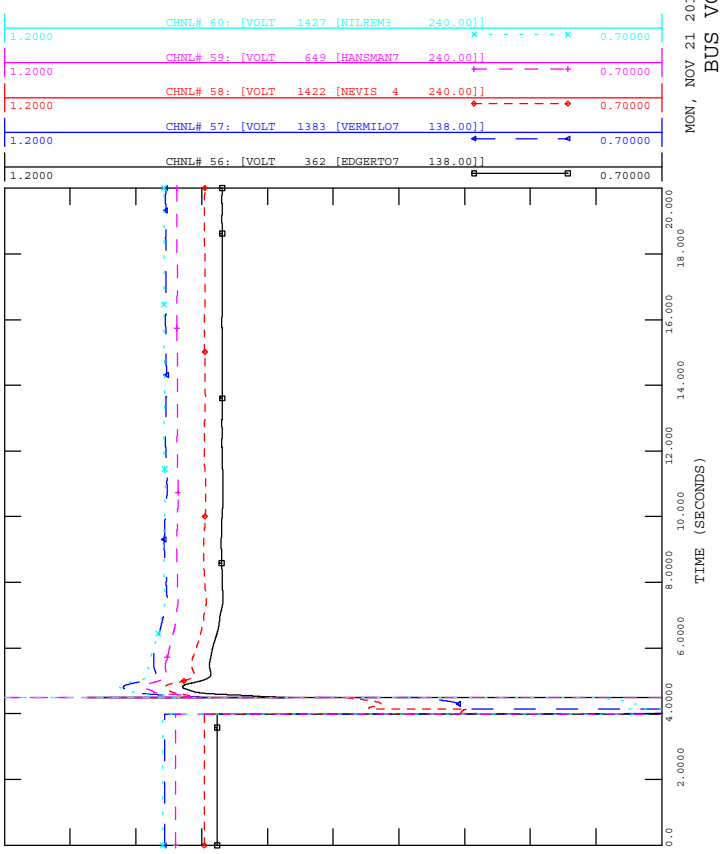
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

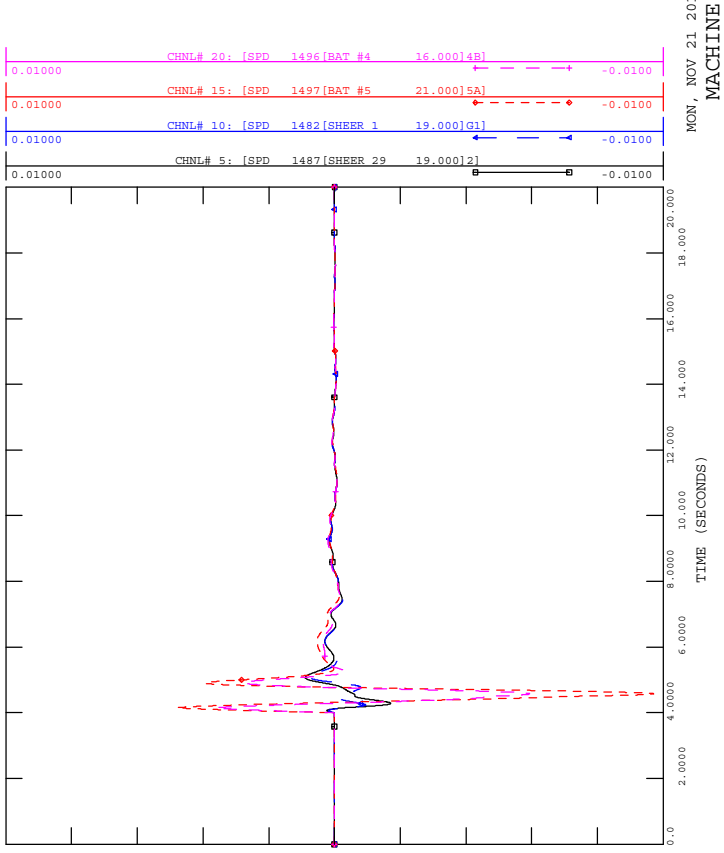


NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

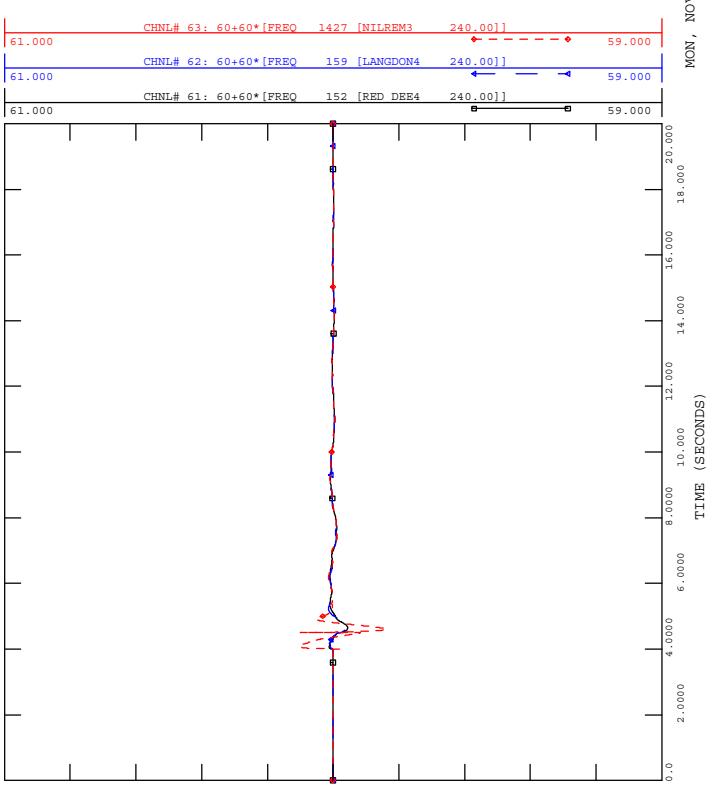


NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:32

FREQUENCY

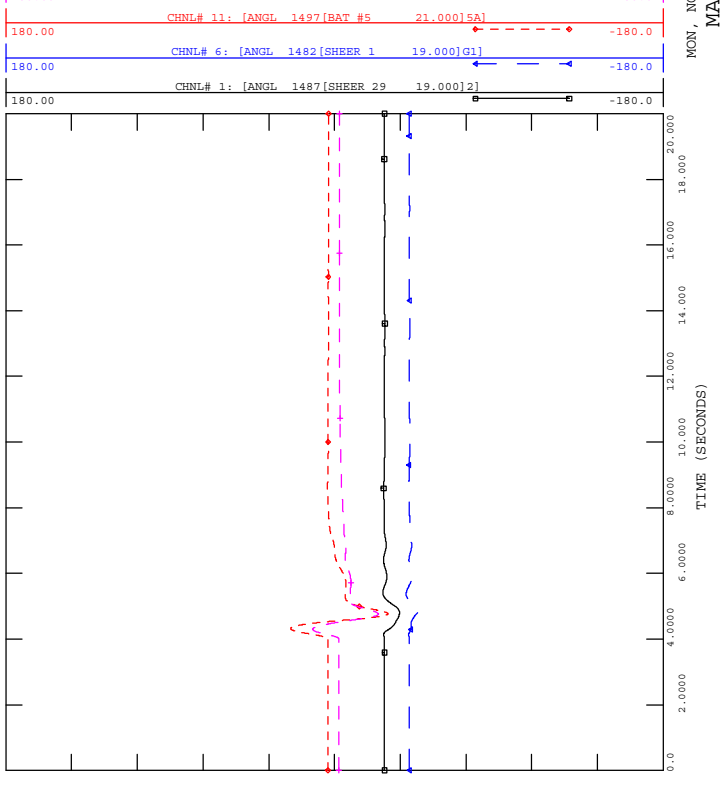


NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out

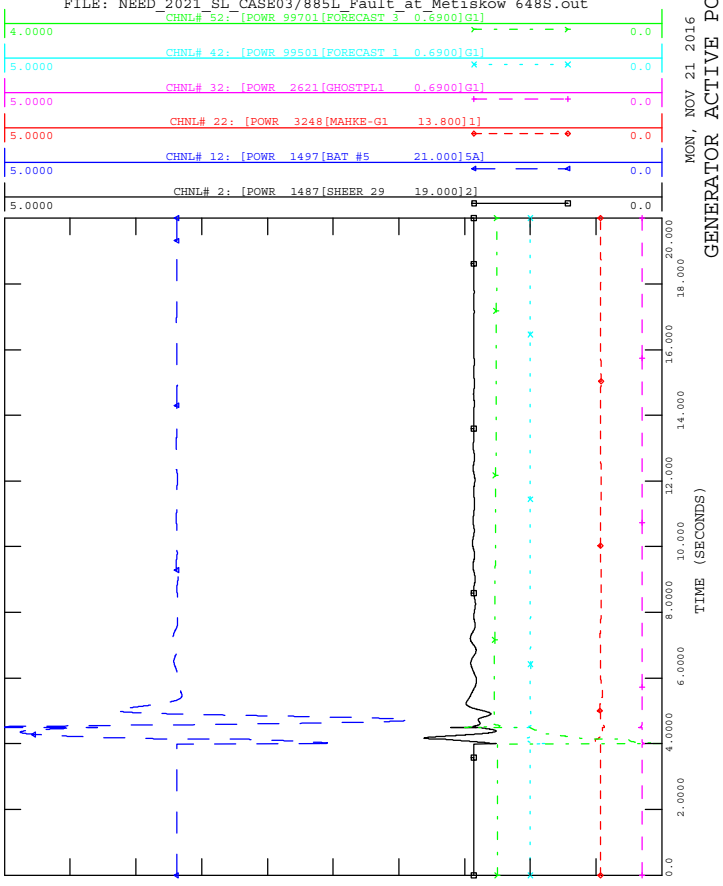
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out



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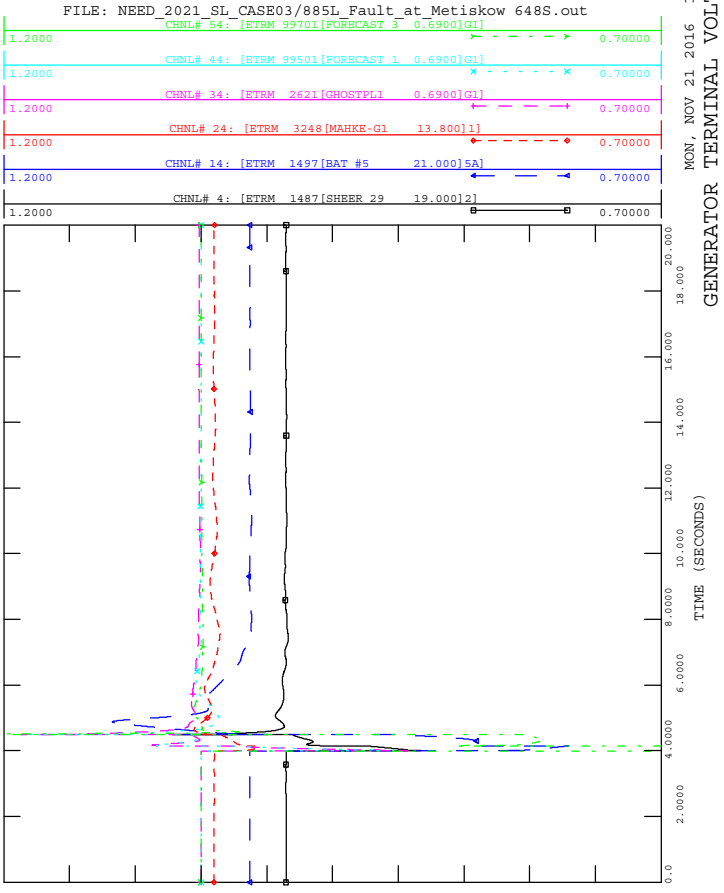
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out

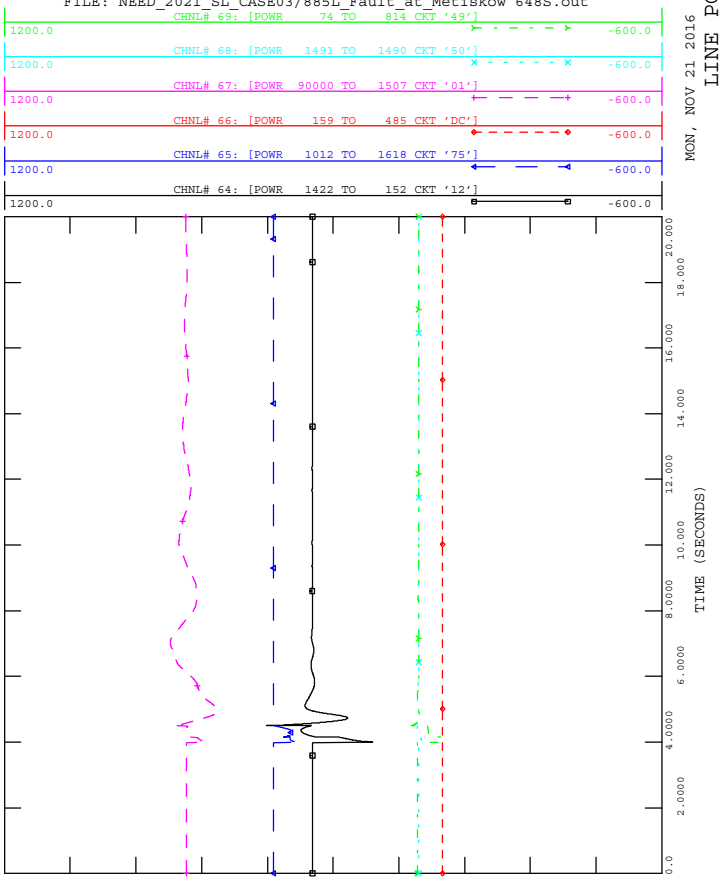


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out

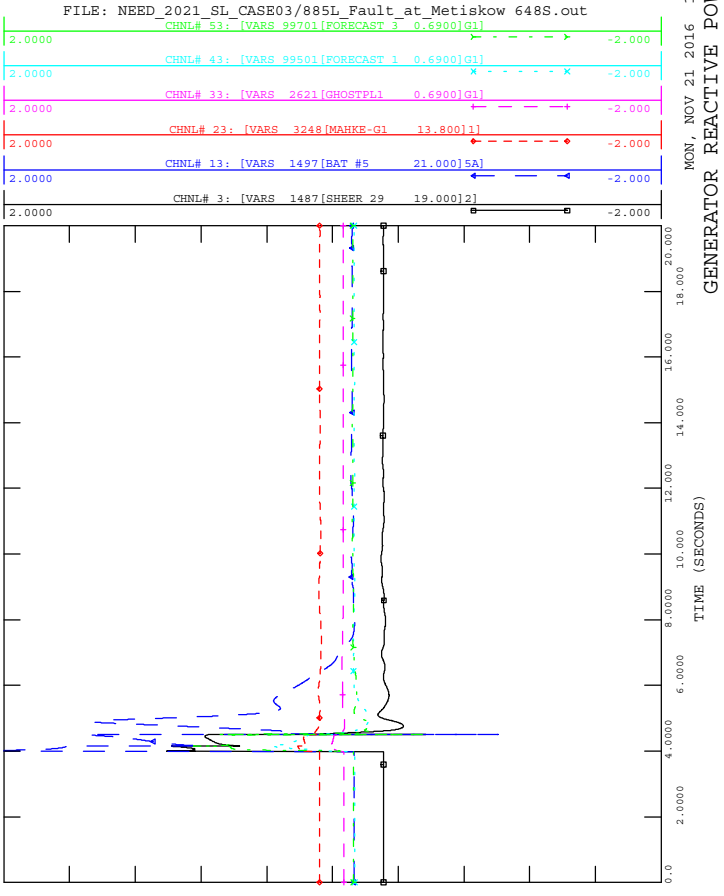


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:32

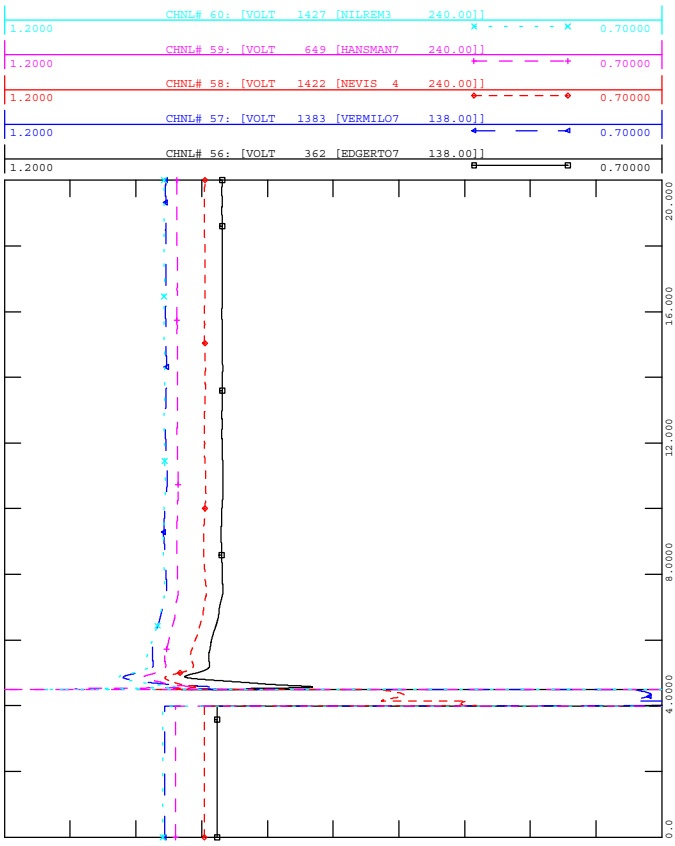
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

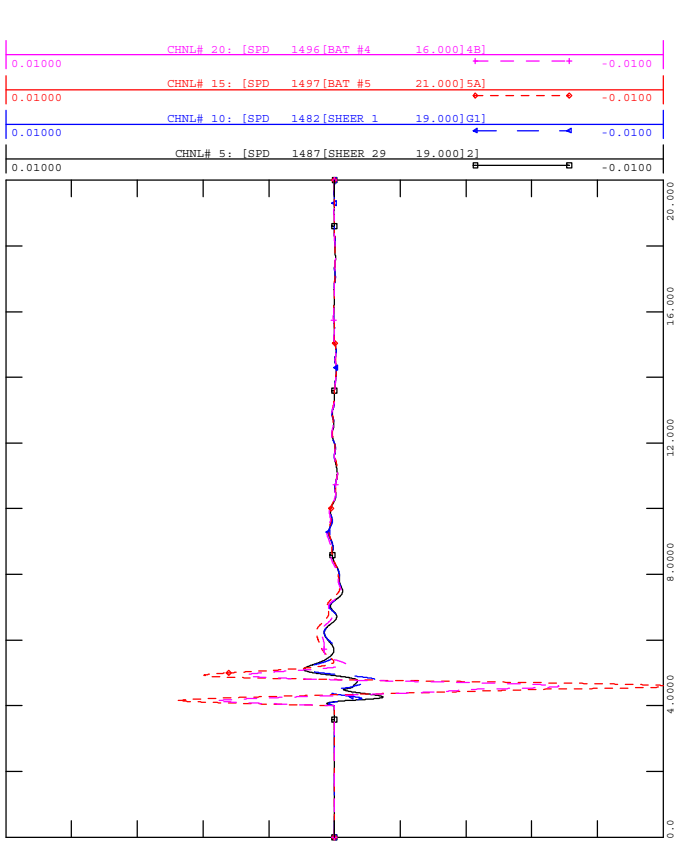


NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

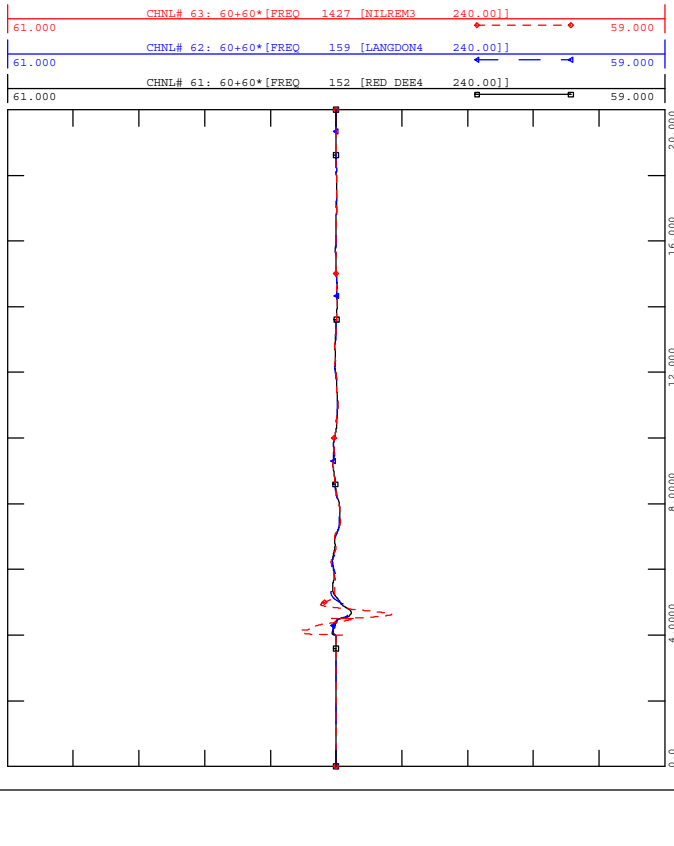


NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:32

FREQUENCY

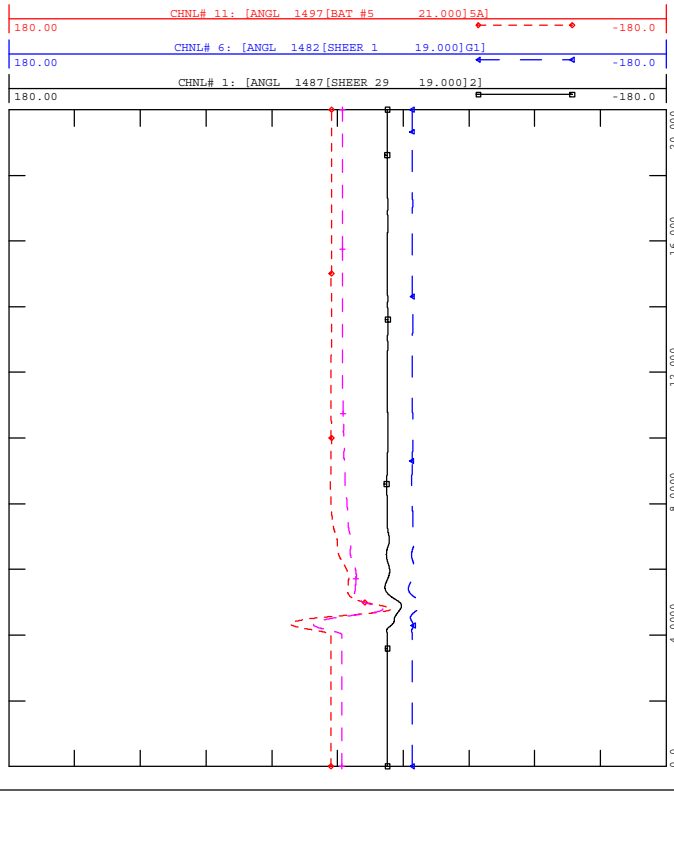


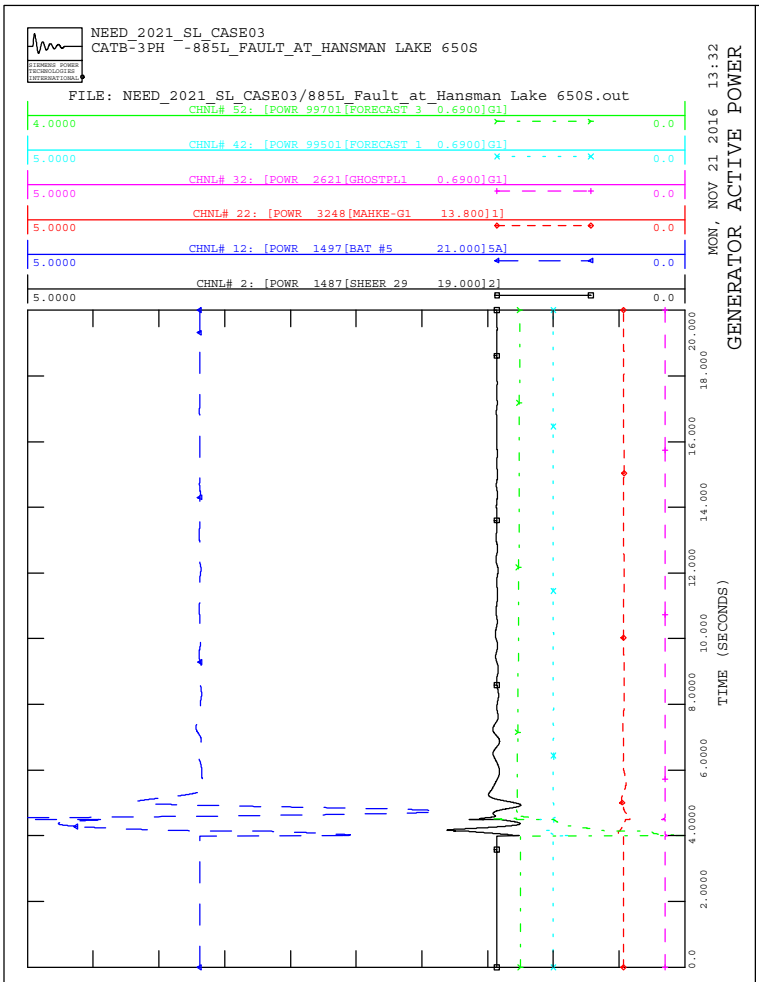
NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S

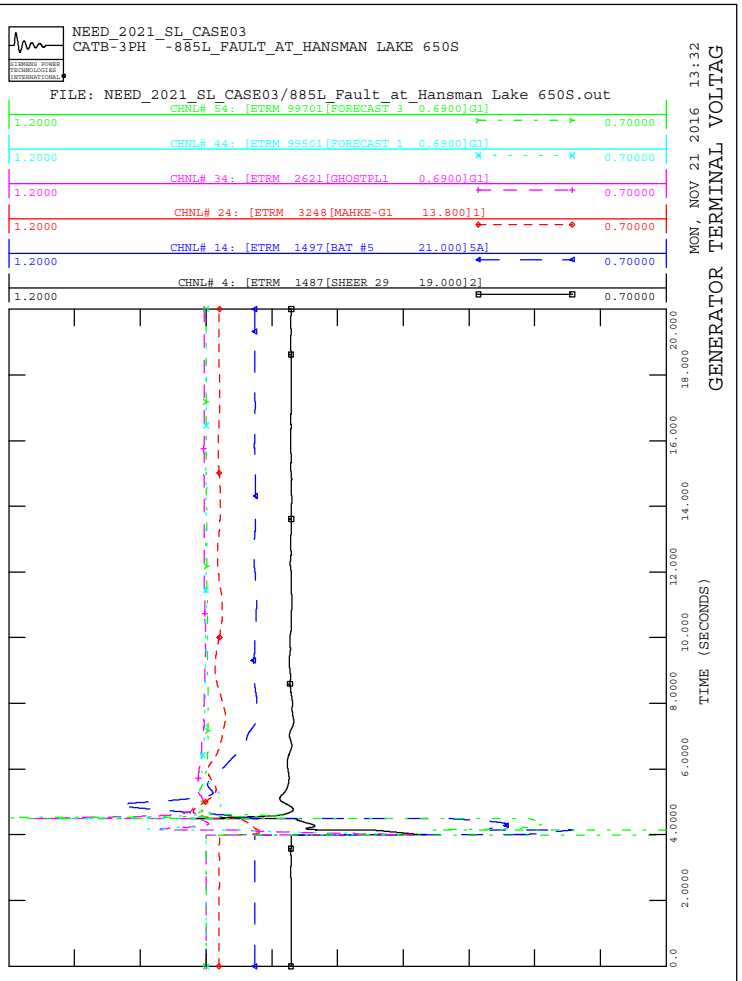
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out

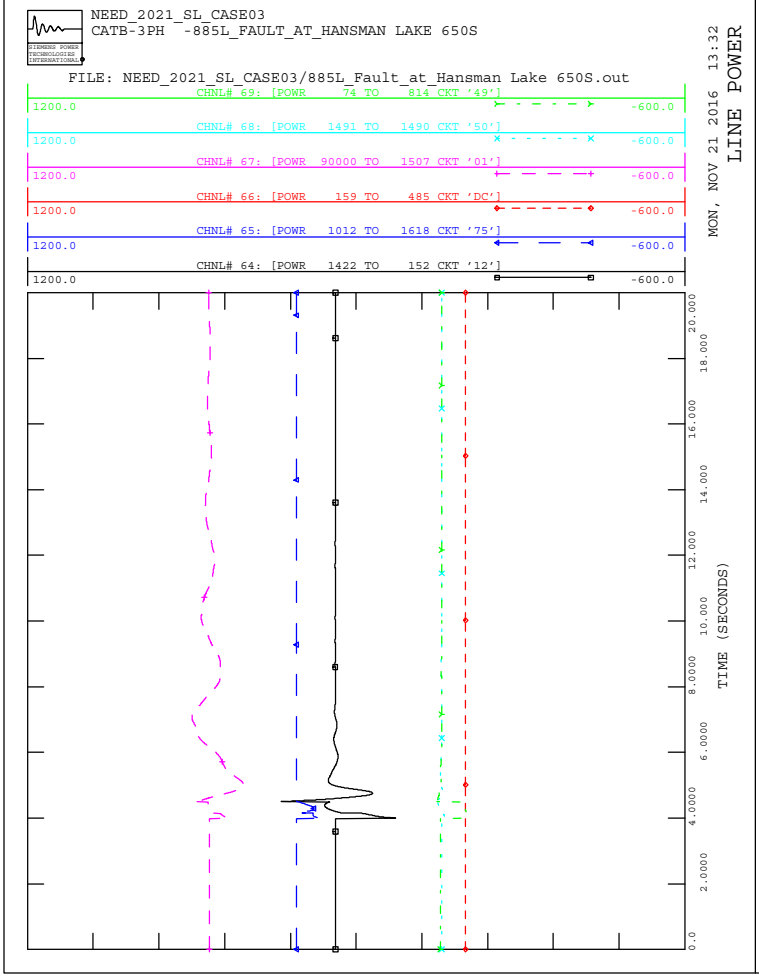
MON, NOV 21 2016 13:32

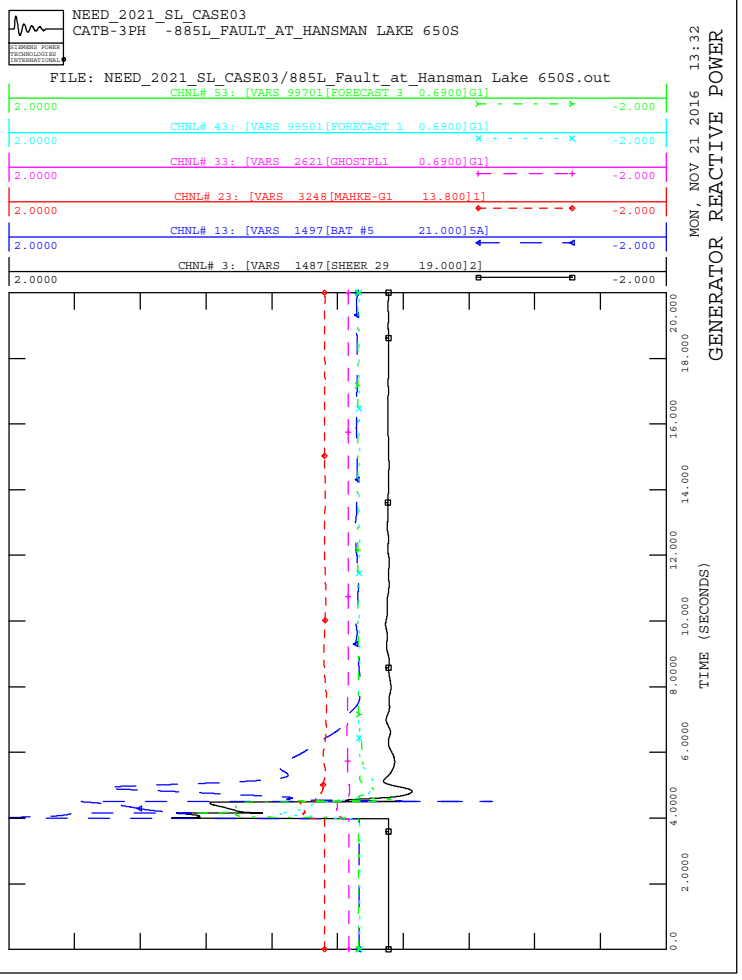
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER
TIME (SECONDS)

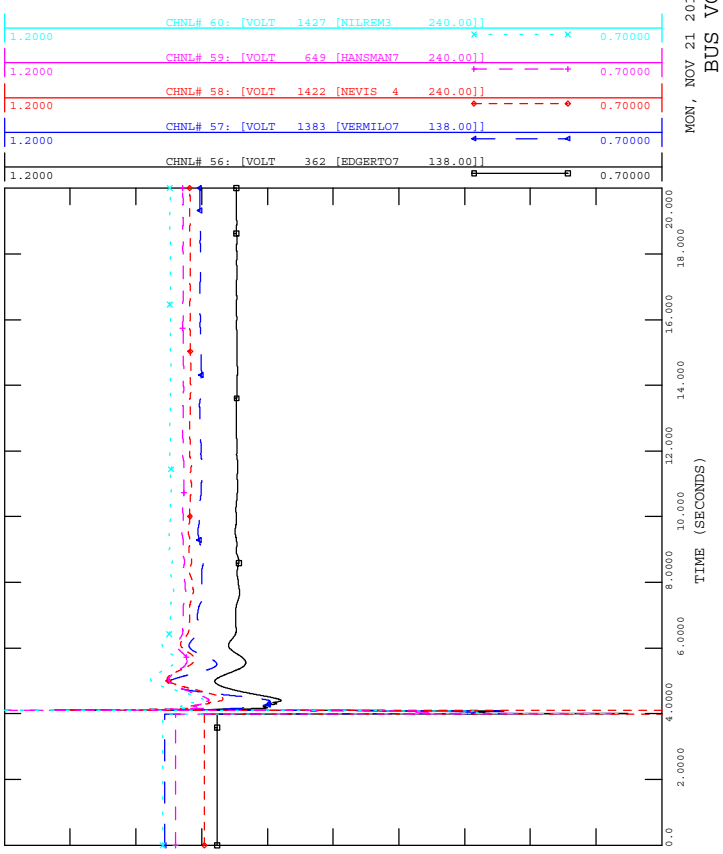

NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:32
LINE POWER
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_NEVIS 766S

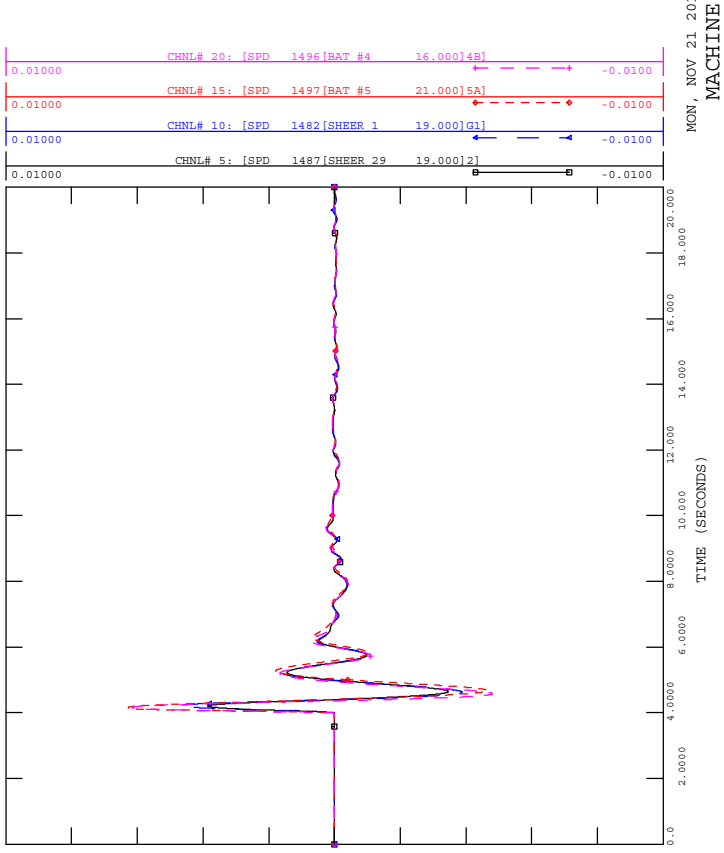
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out



MON, NOV 21 2016 13:32
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_NEVIS 766S

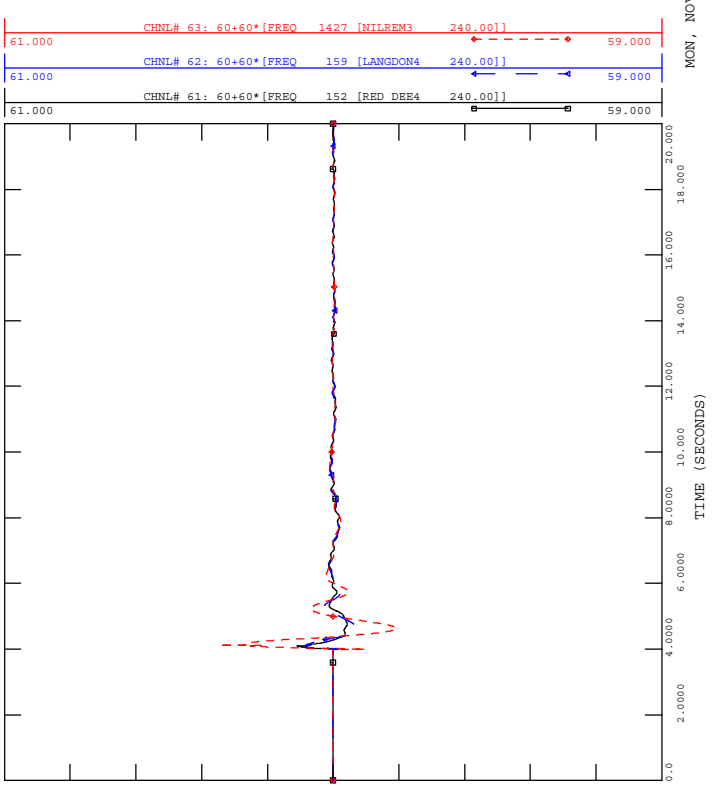
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out



MON, NOV 21 2016 13:32
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_NEVIS 766S

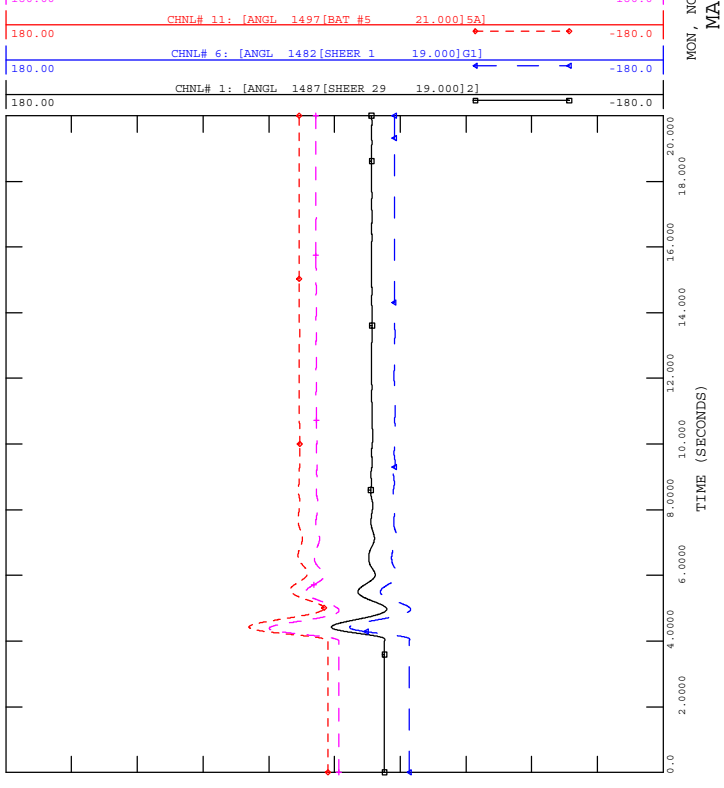
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out



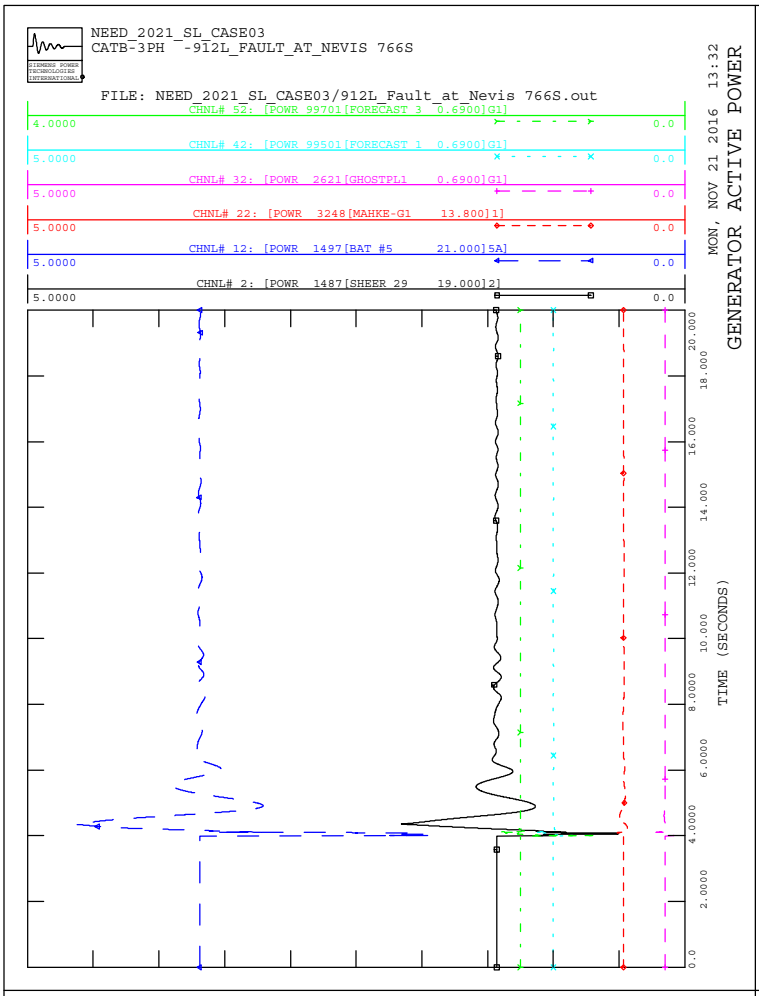
MON, NOV 21 2016 13:32
FREQUENCY

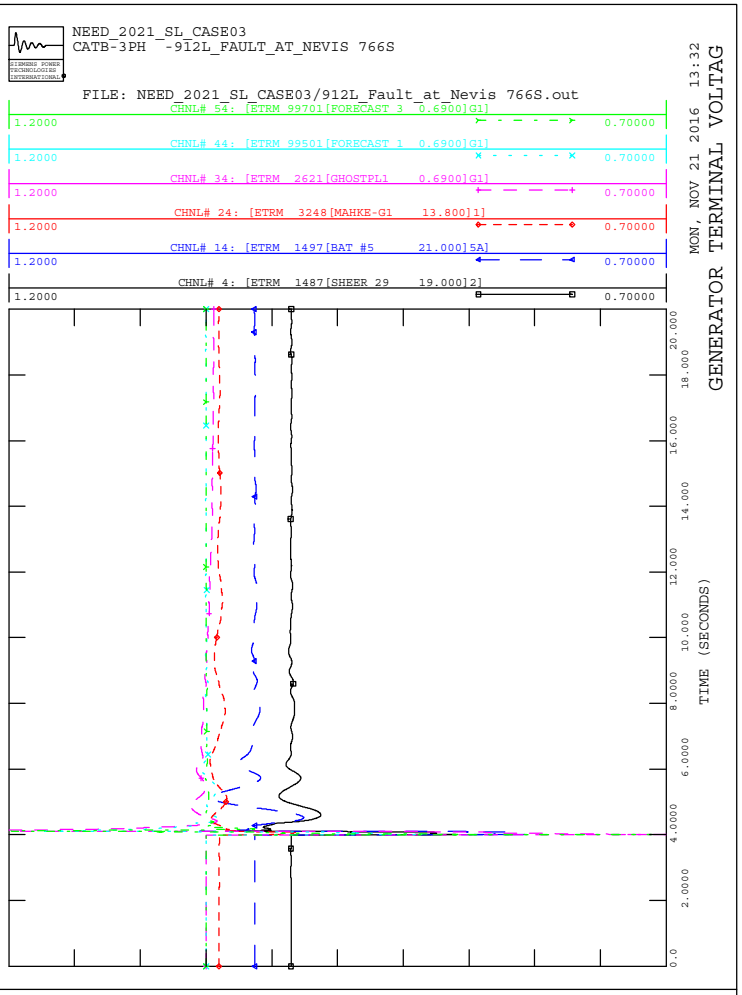
NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_NEVIS 766S

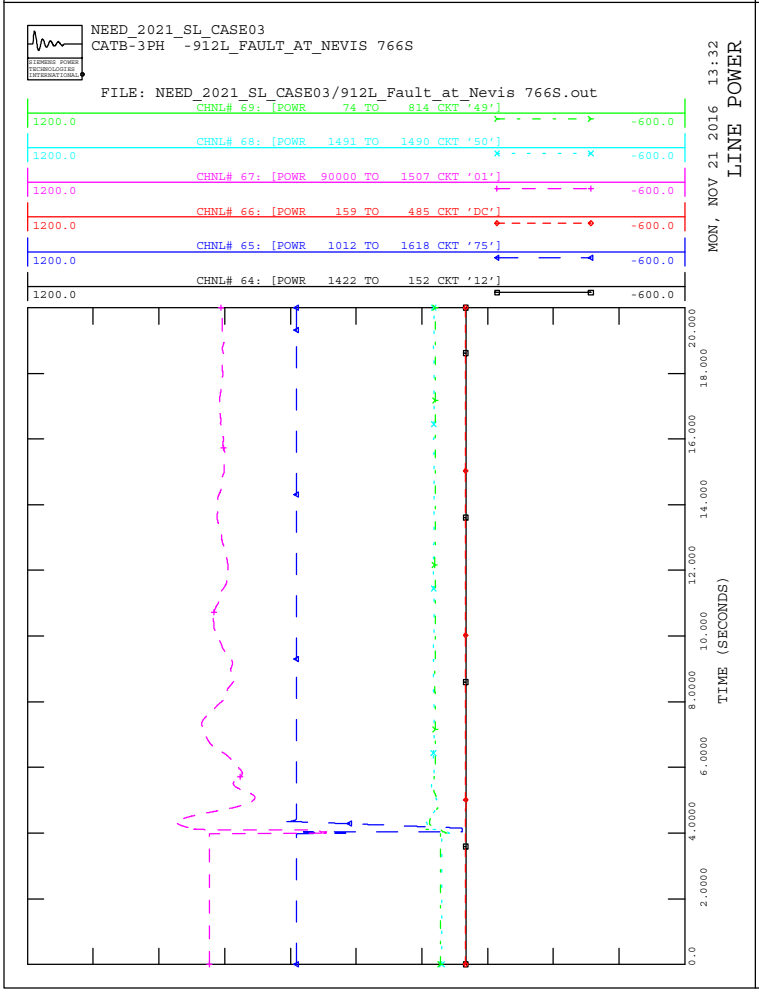
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out

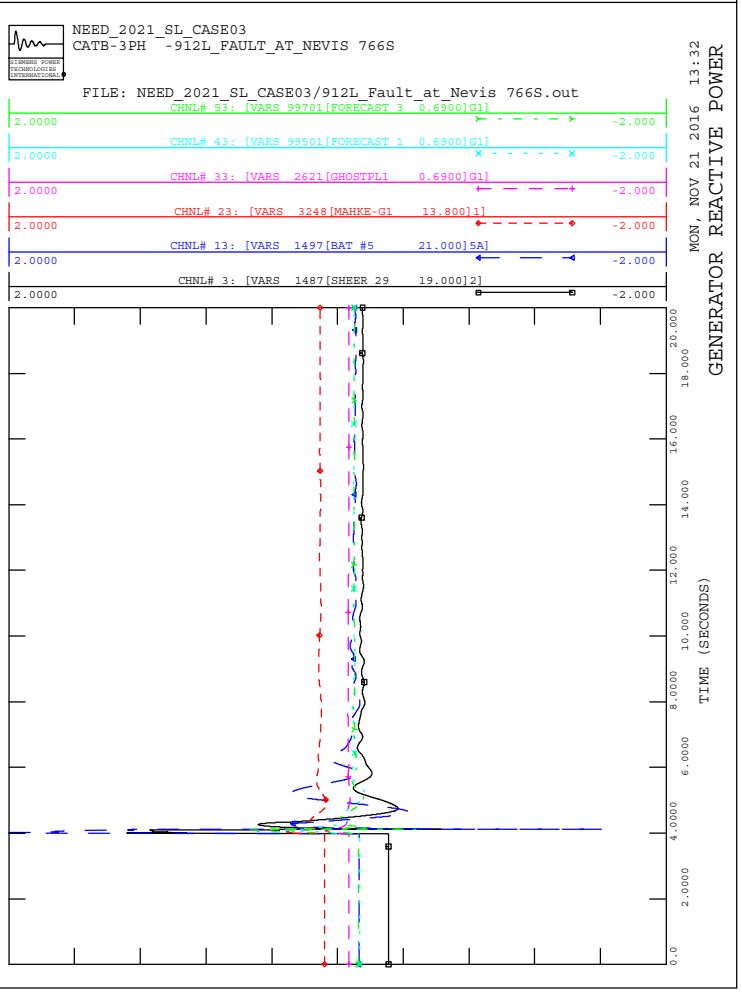


MON, NOV 21 2016 13:32
MACHINE ANGEL


NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:32
LINE POWER
TIME (SECONDS)

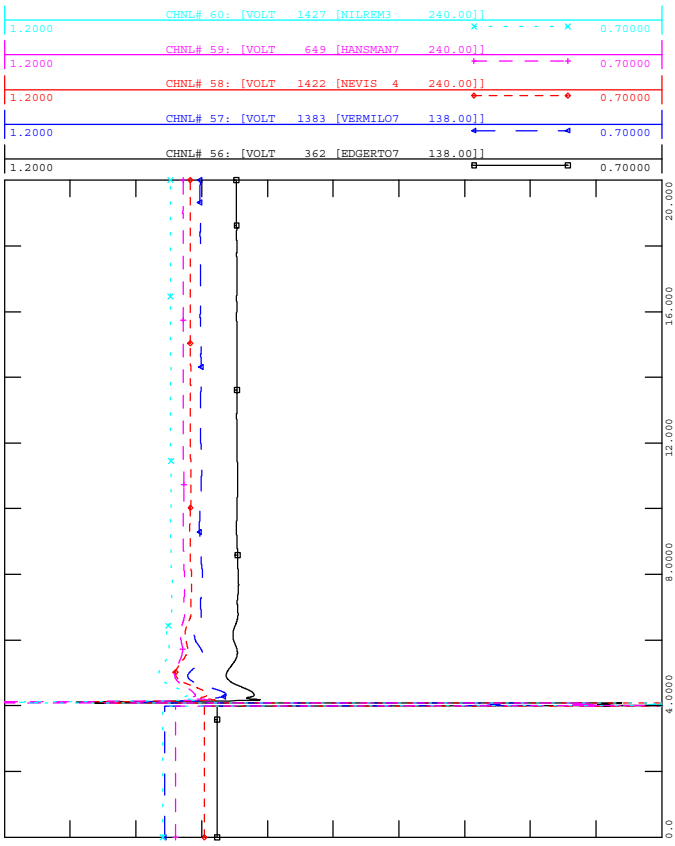

NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

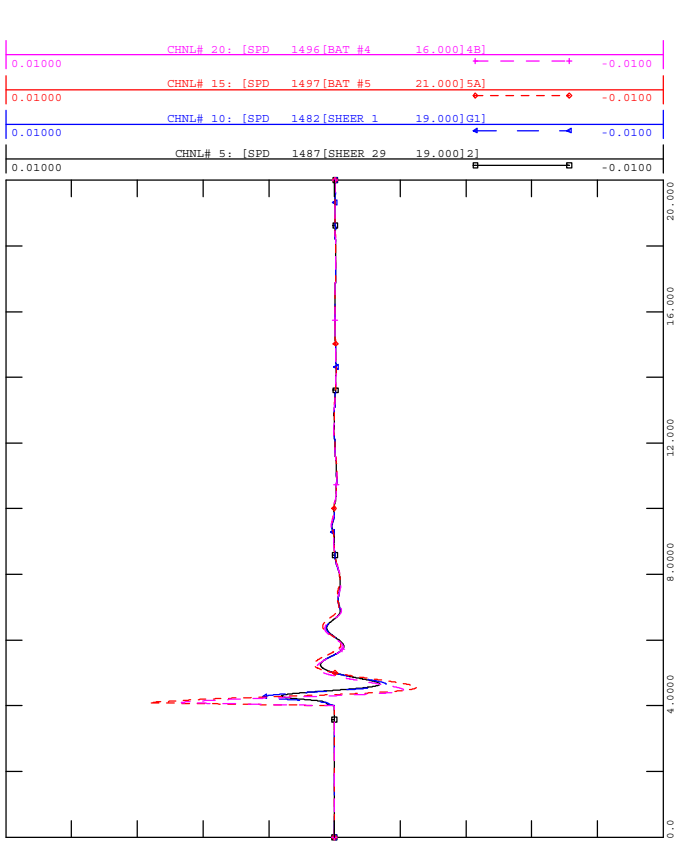


NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

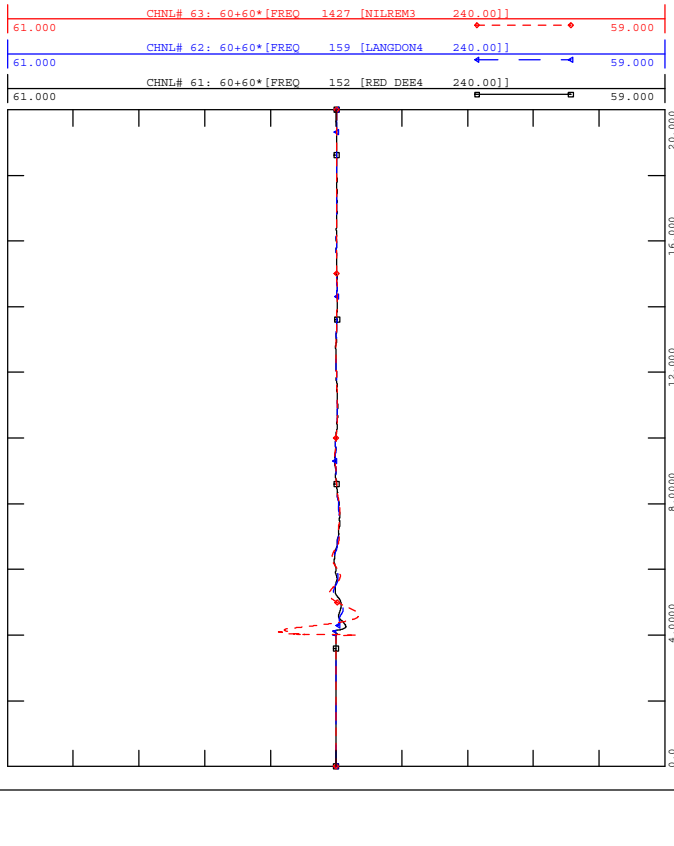


NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out

MON, NOV 21 2016 13:32

FREQUENCY

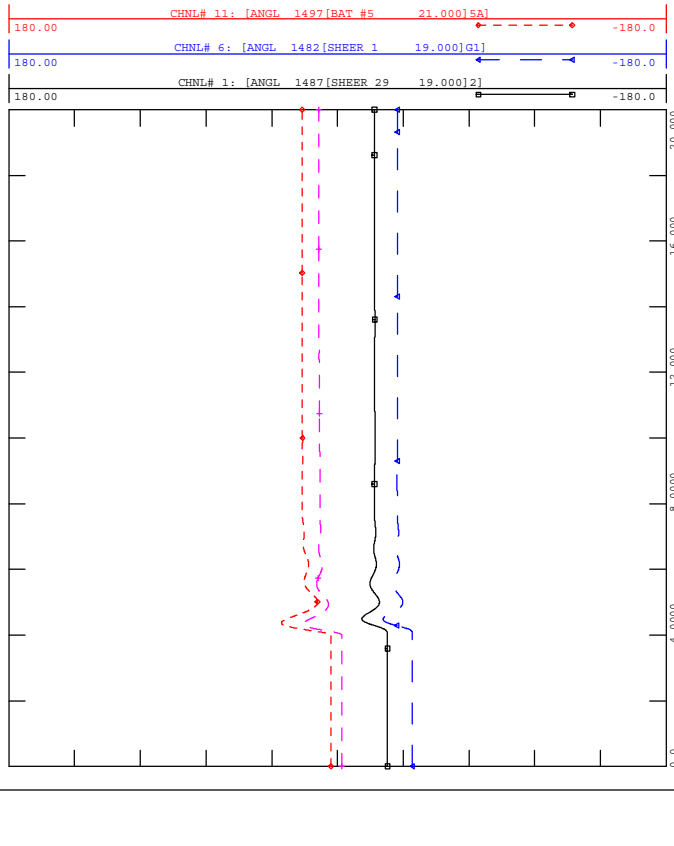


NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out

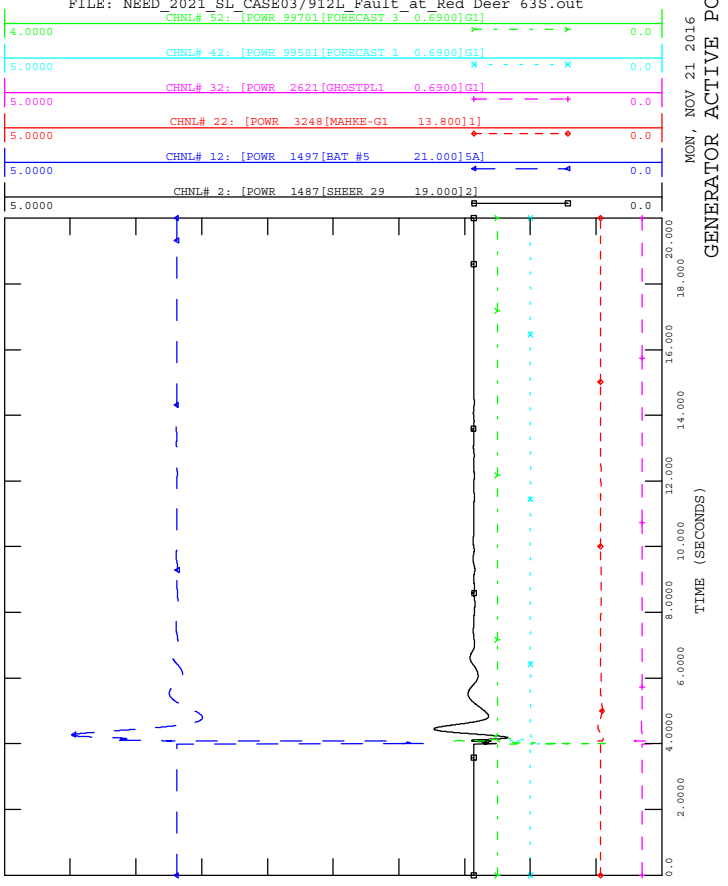
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out

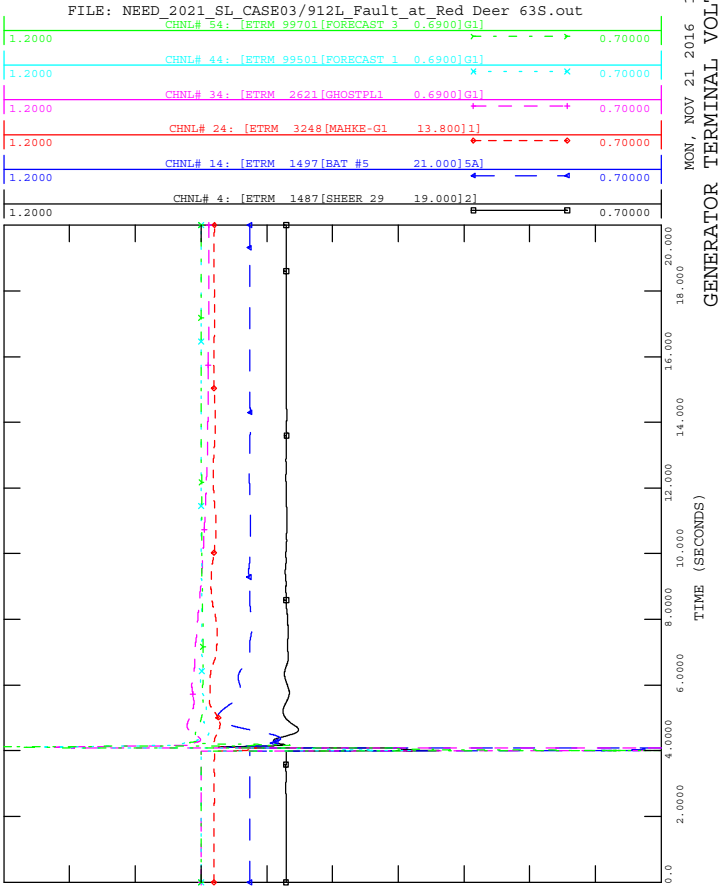


MON, NOV 21 2016 13:32

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out

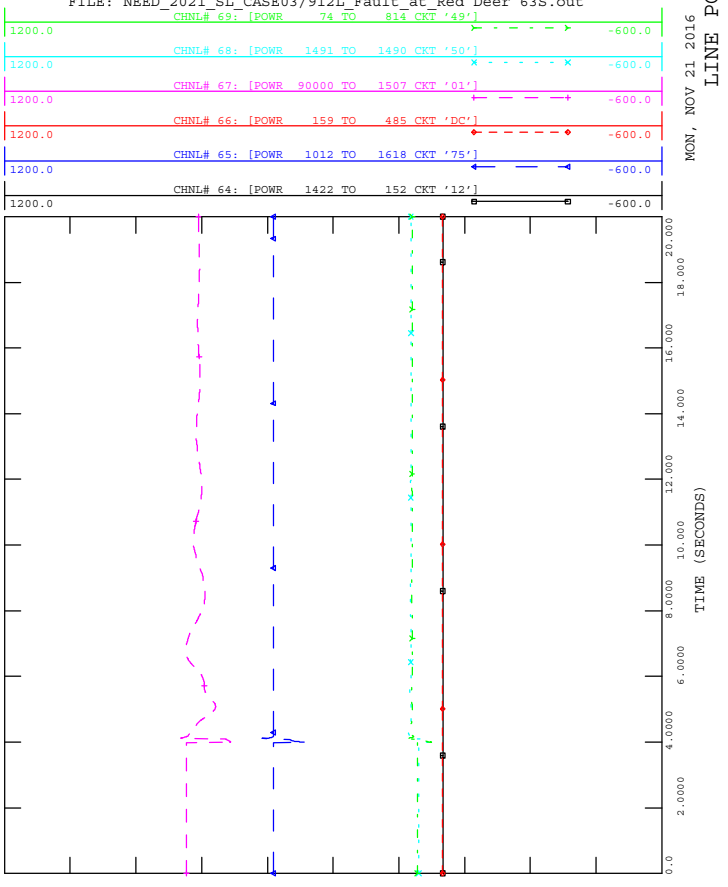


MON, NOV 21 2016 13:32

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out

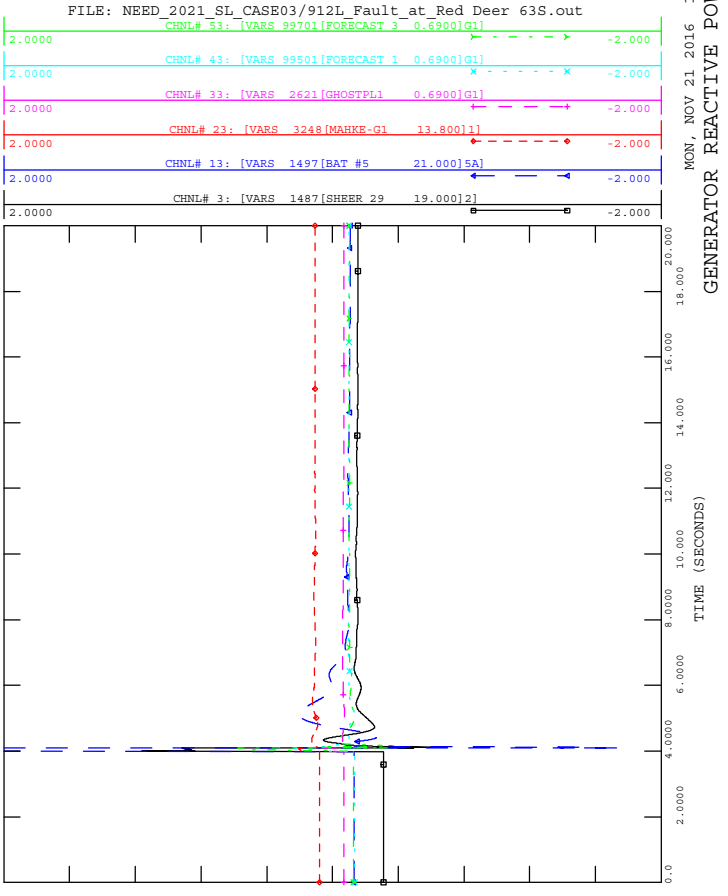


MON, NOV 21 2016 13:32

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out



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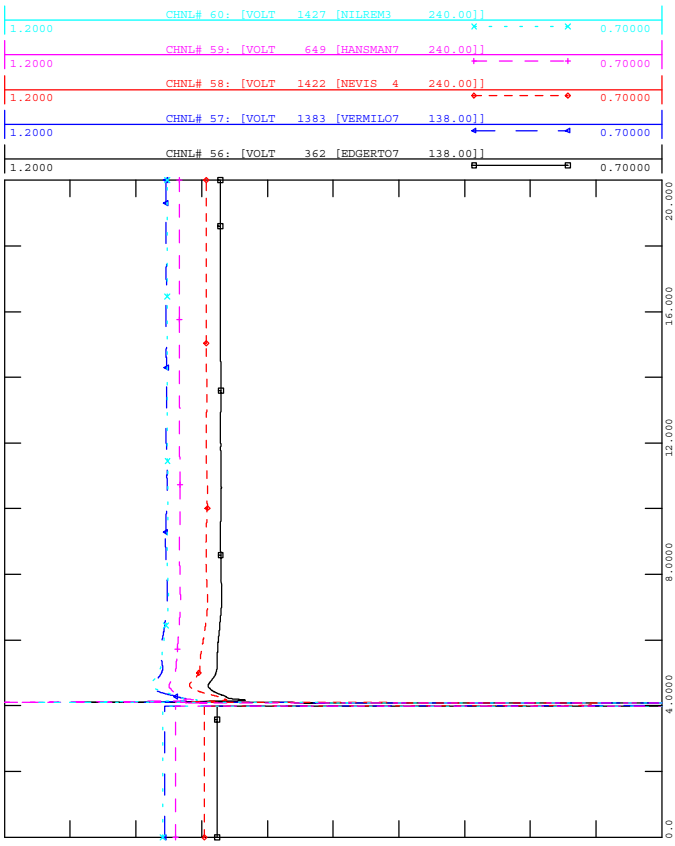
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

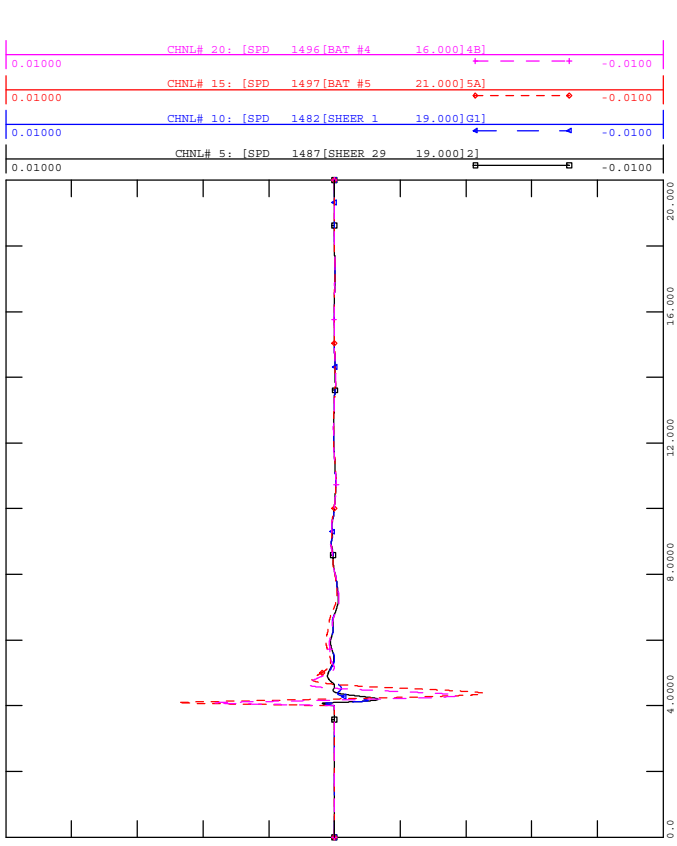


NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

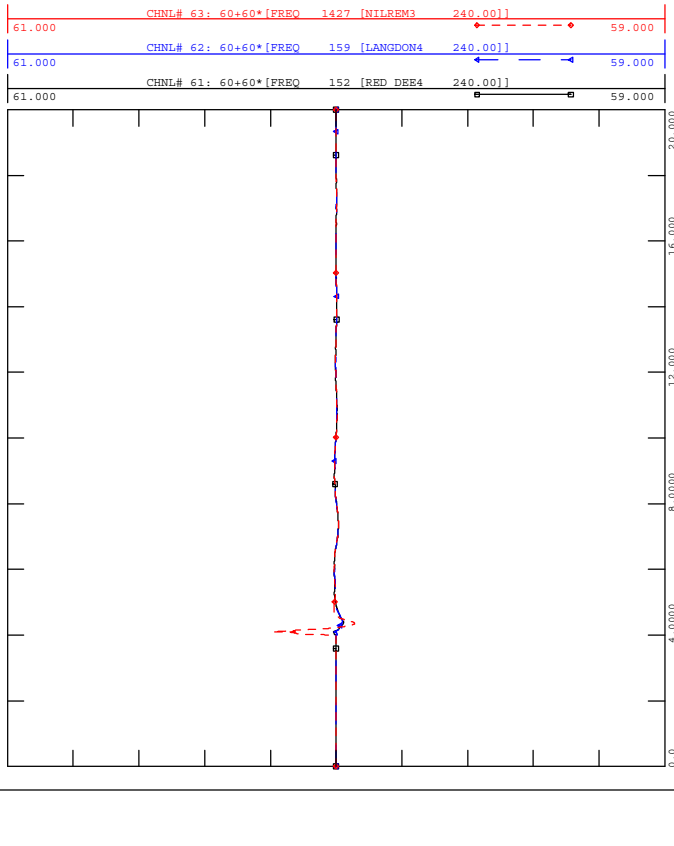


NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:32

FREQUENCY

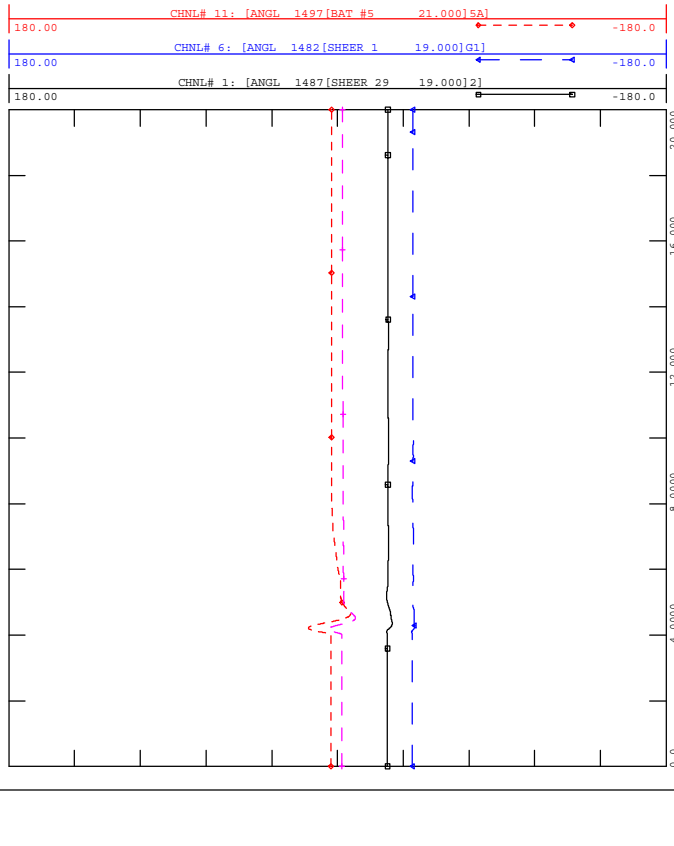


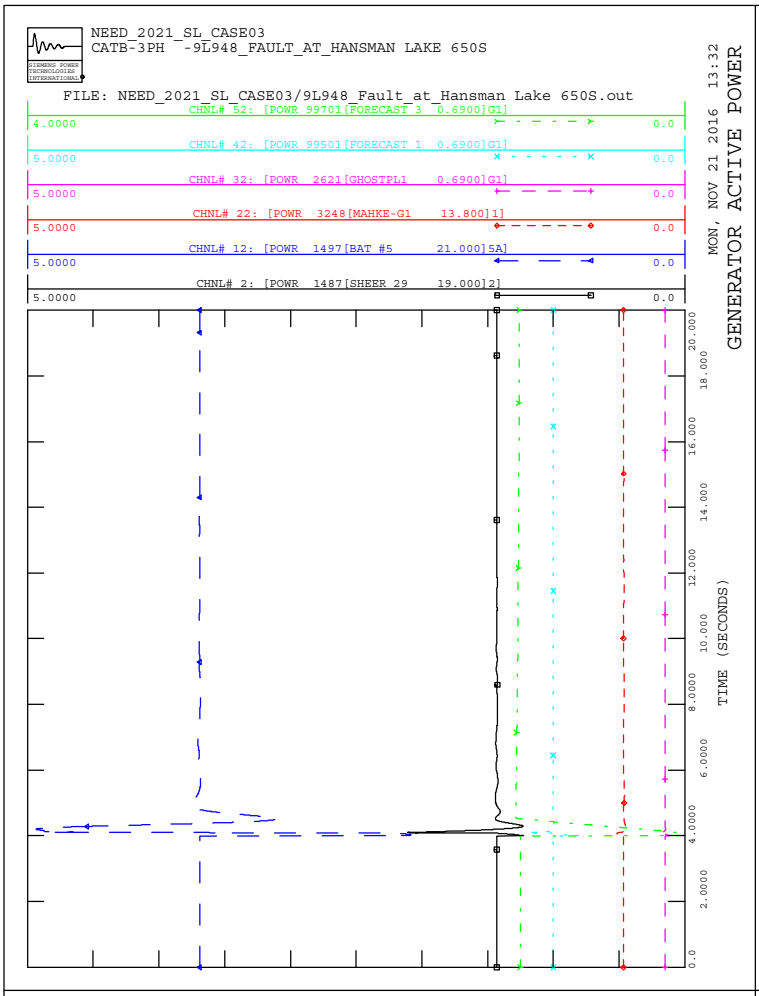
NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

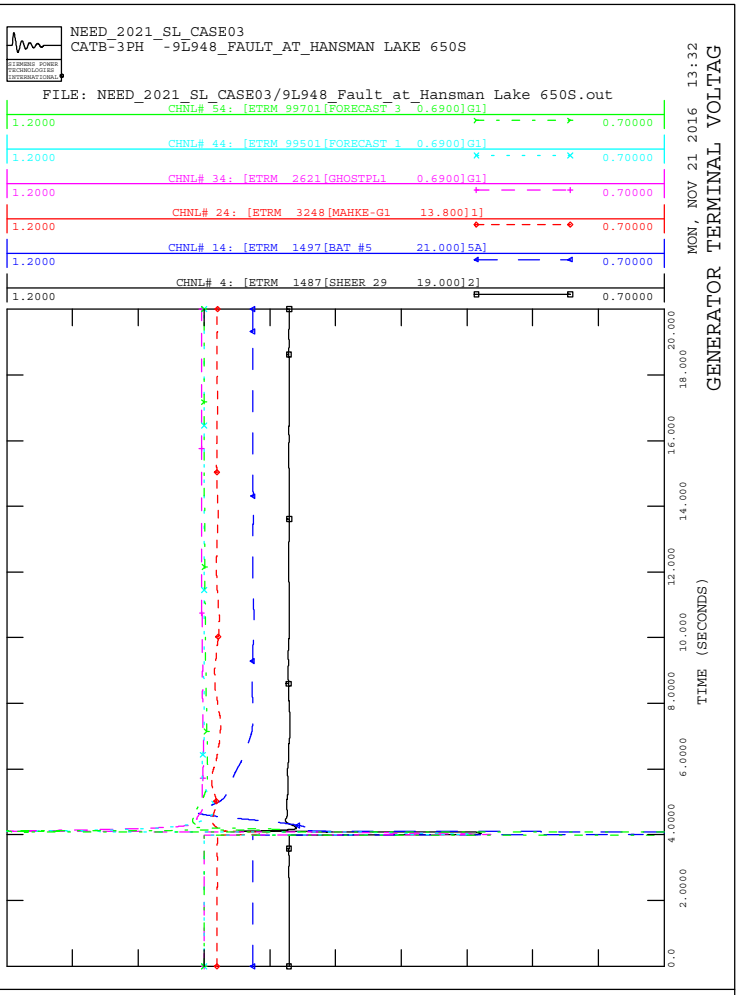
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out

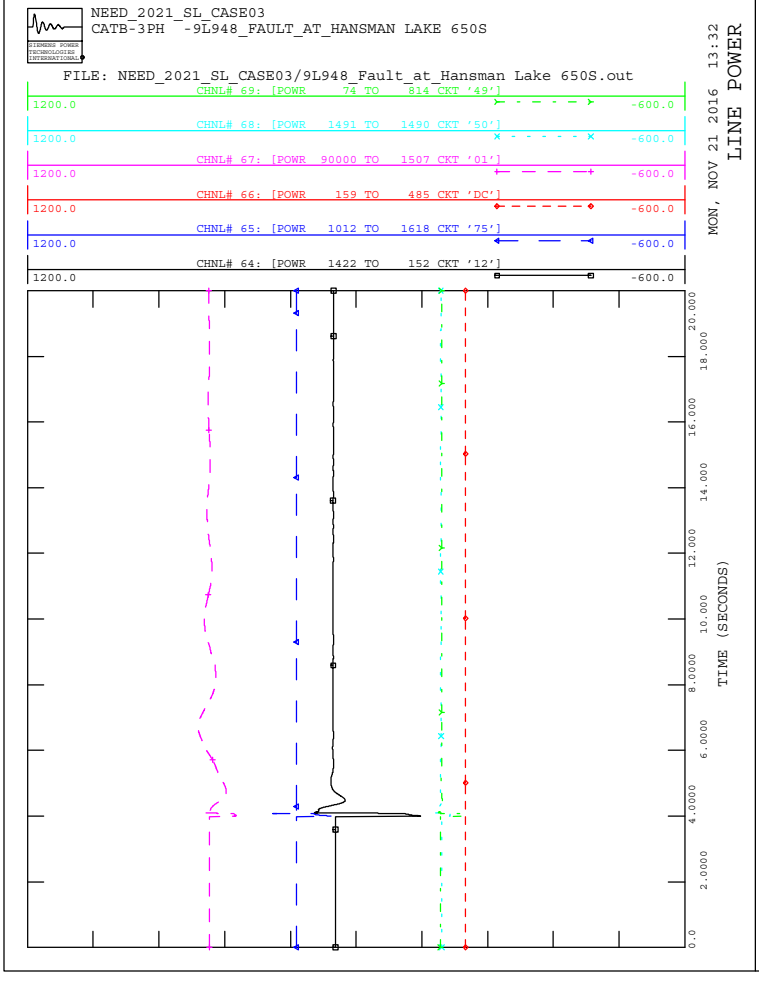
MON, NOV 21 2016 13:32

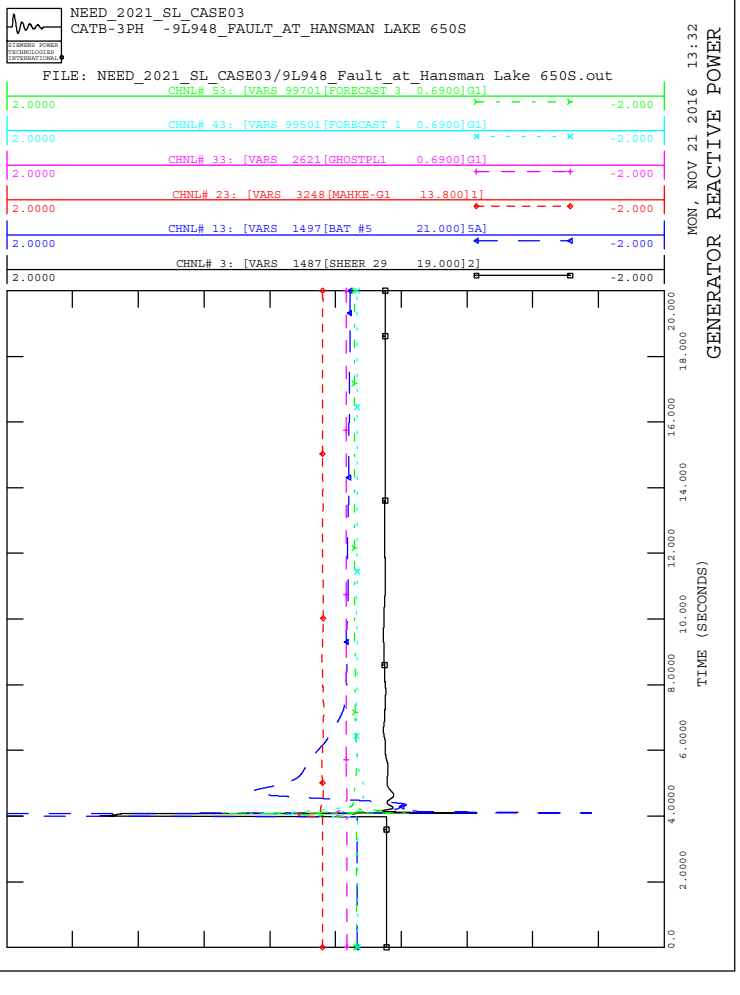
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:32
LINE POWER

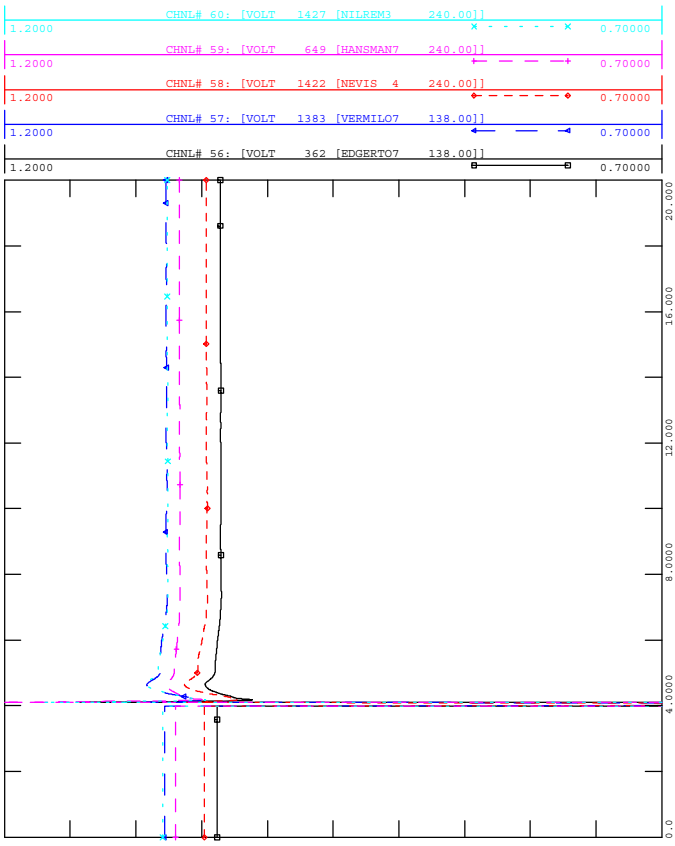

NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

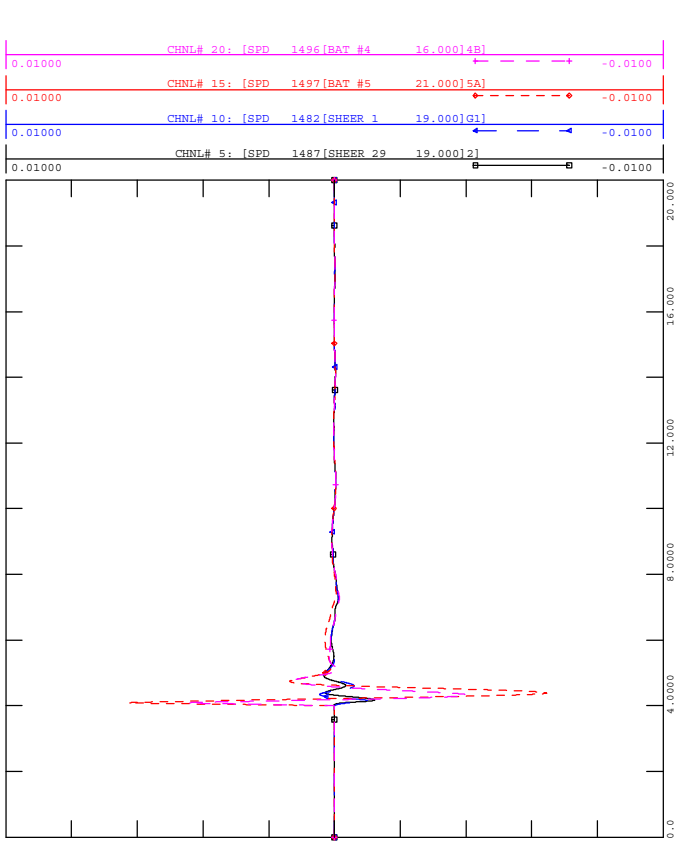


NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

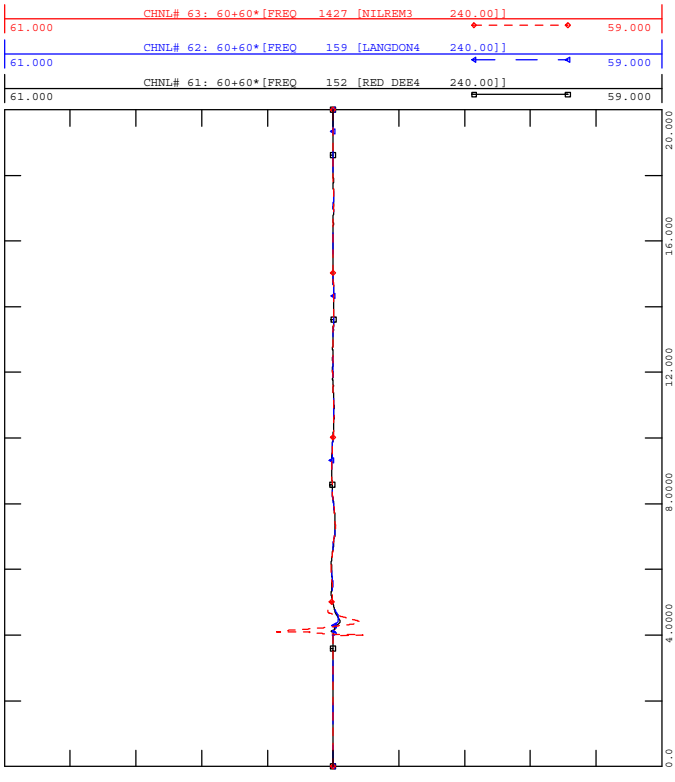


NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 13:32

FREQUENCY

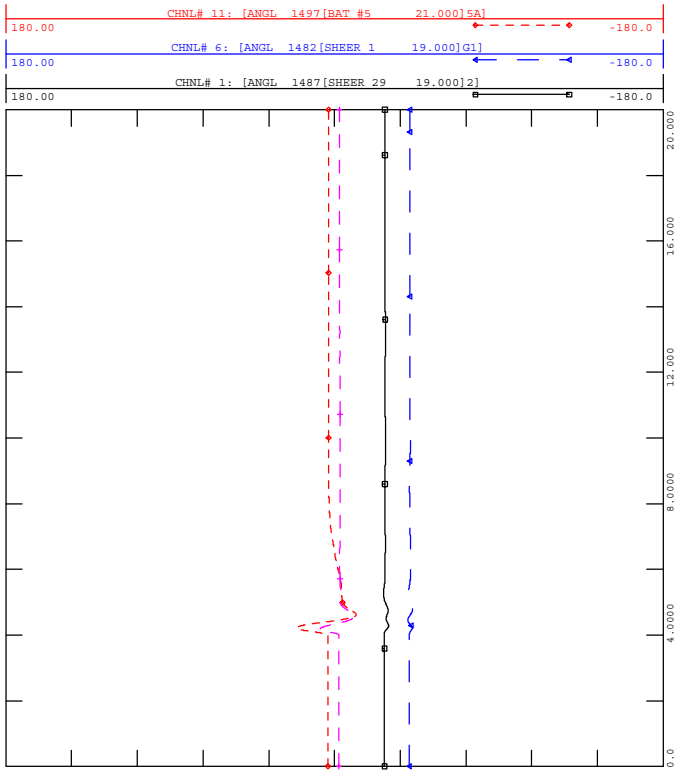


NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out

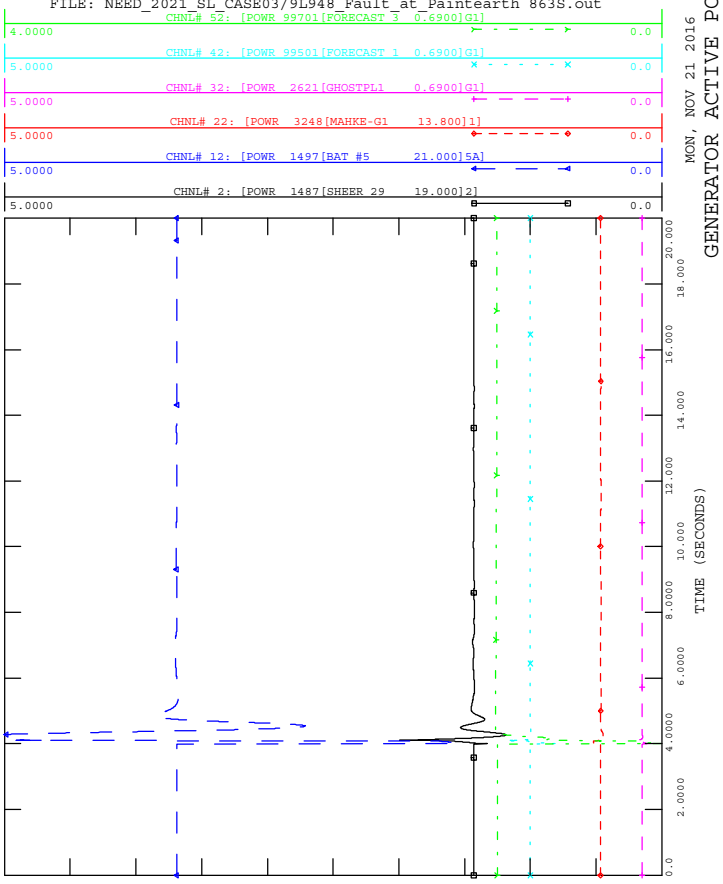
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

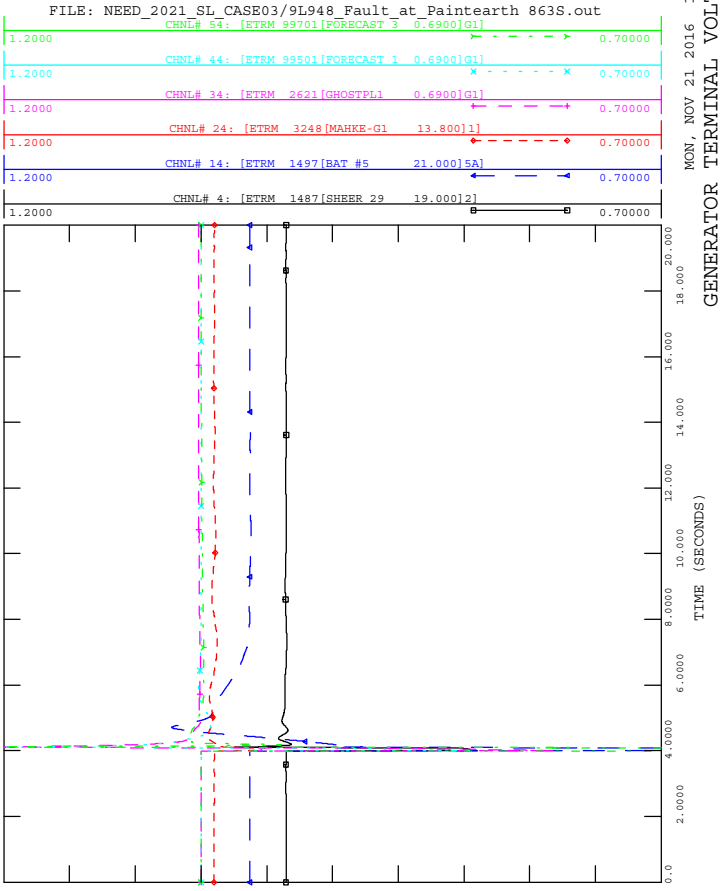
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

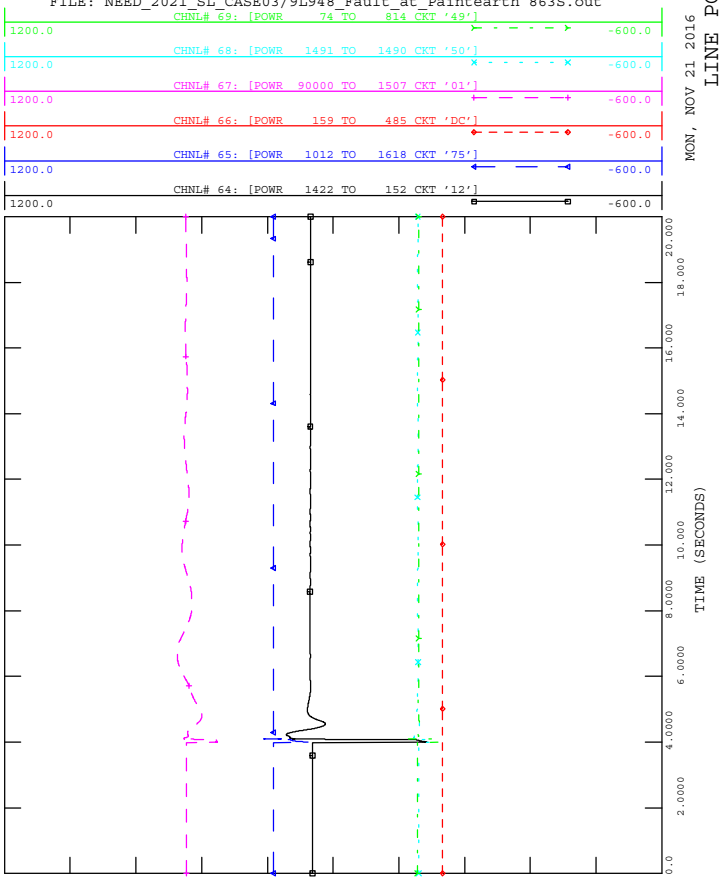
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

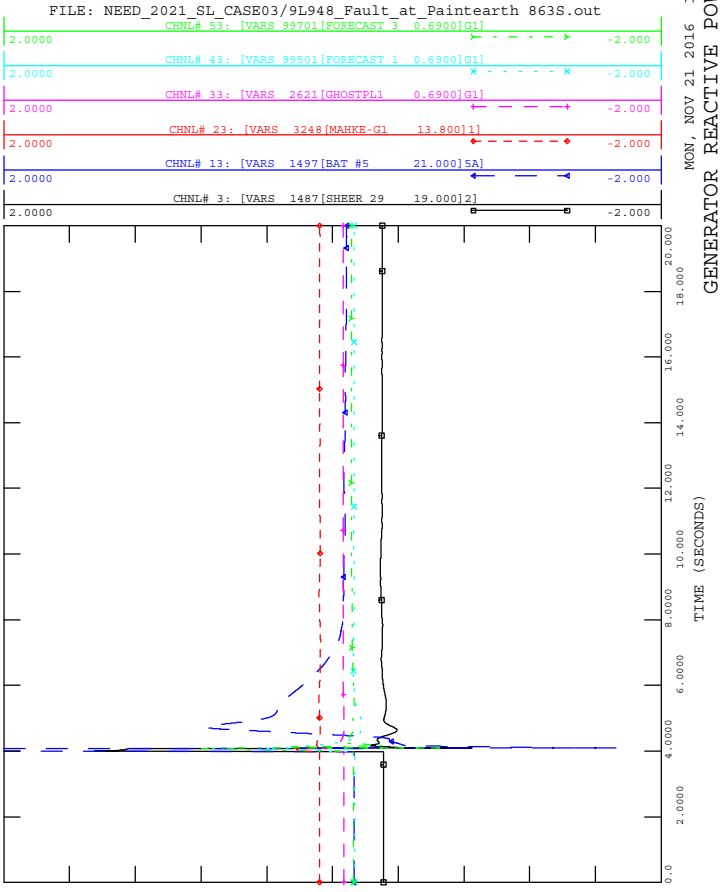
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 13:32
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out



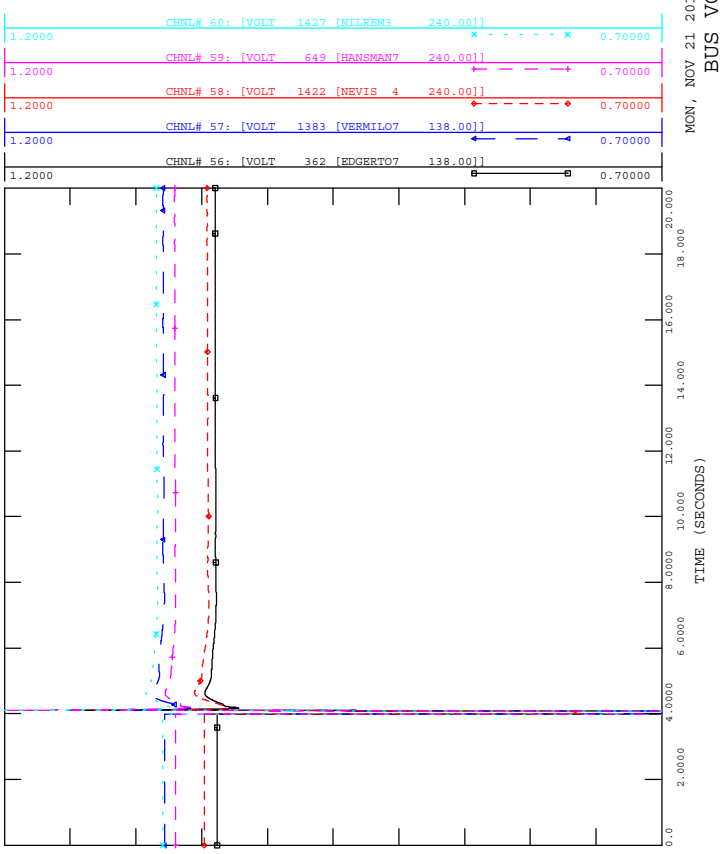
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

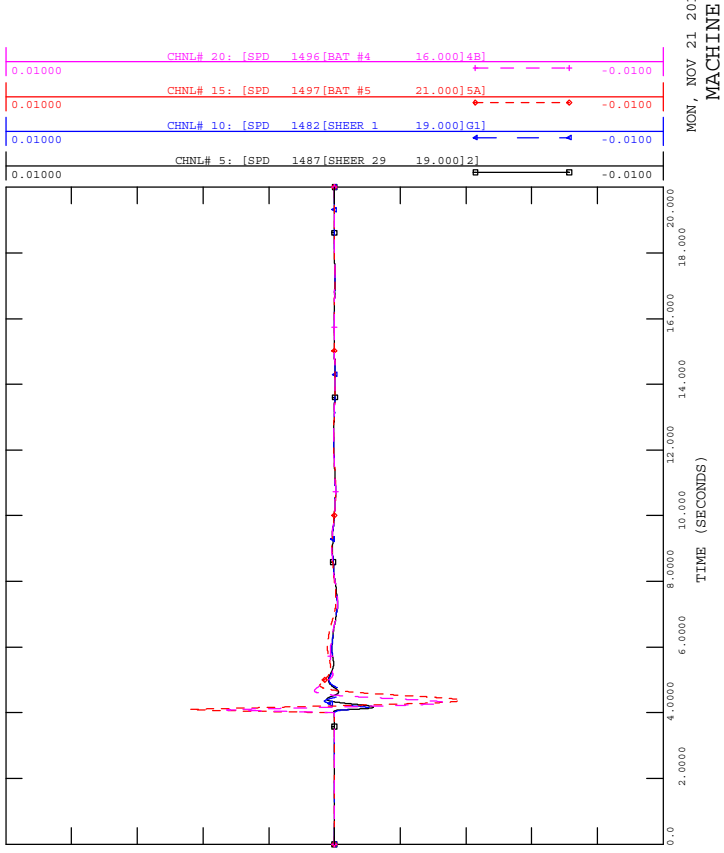


NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

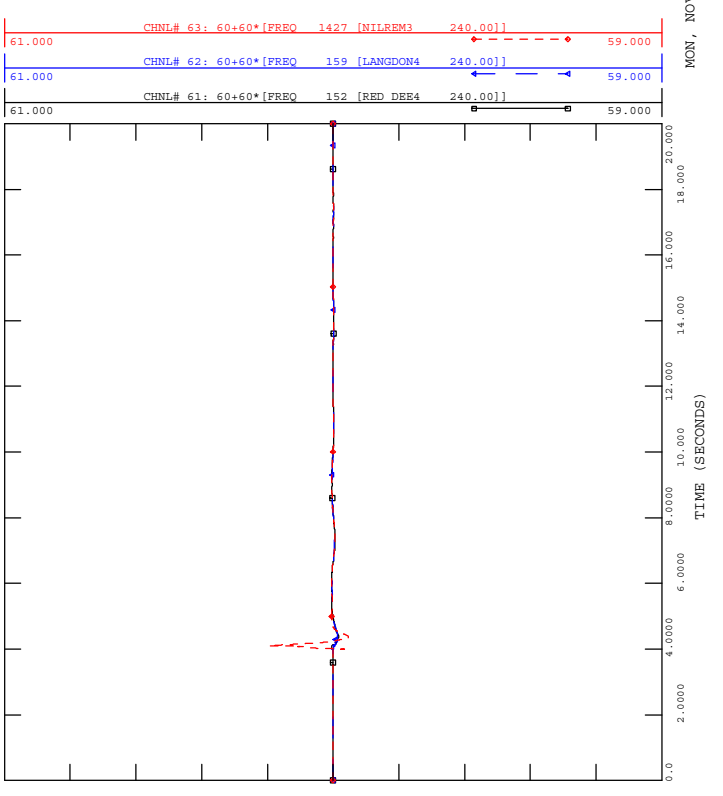


NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:32

FREQUENCY

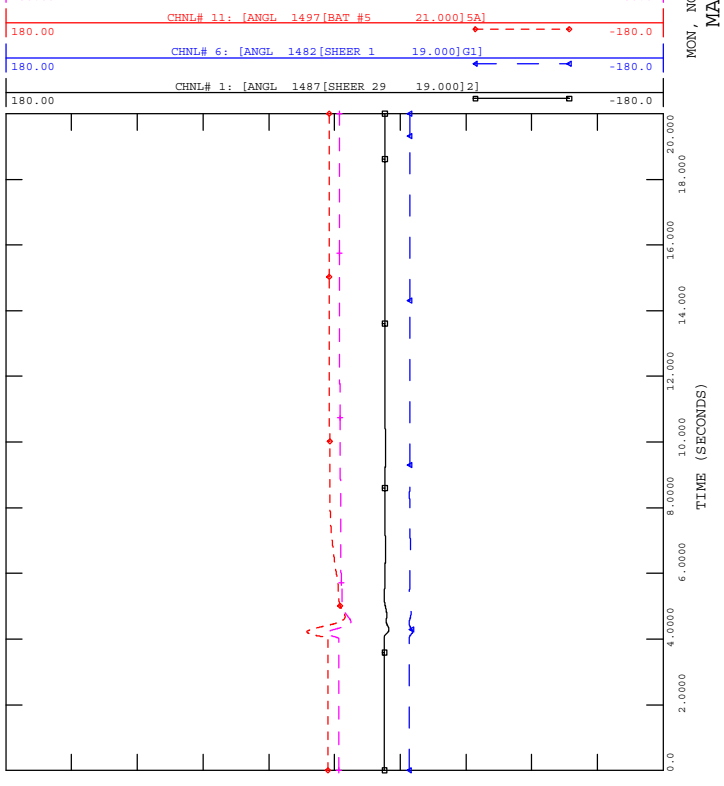


NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out

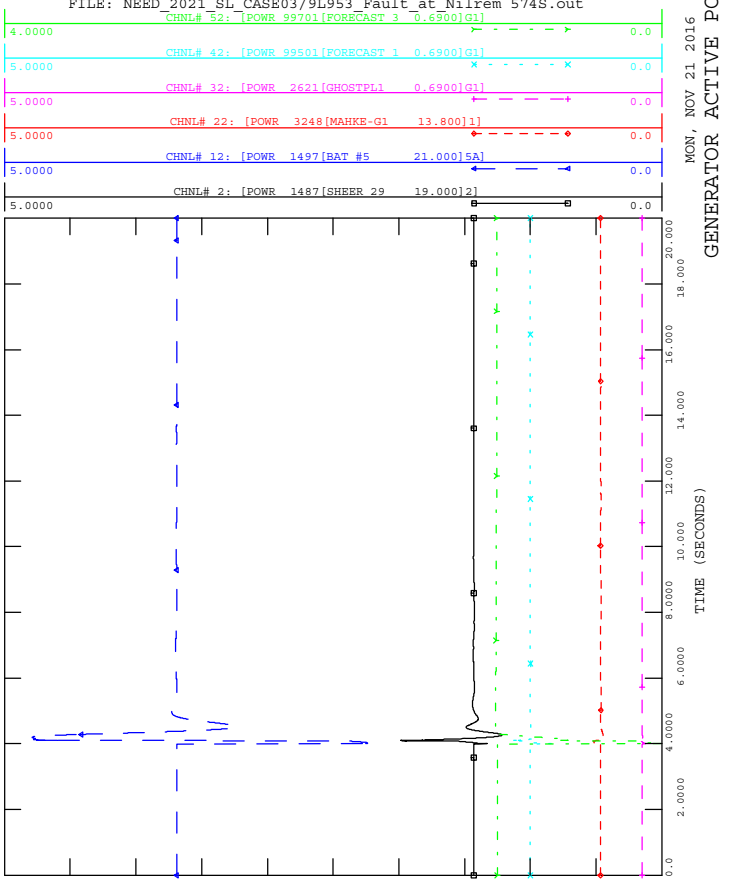
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_NILREM 574S

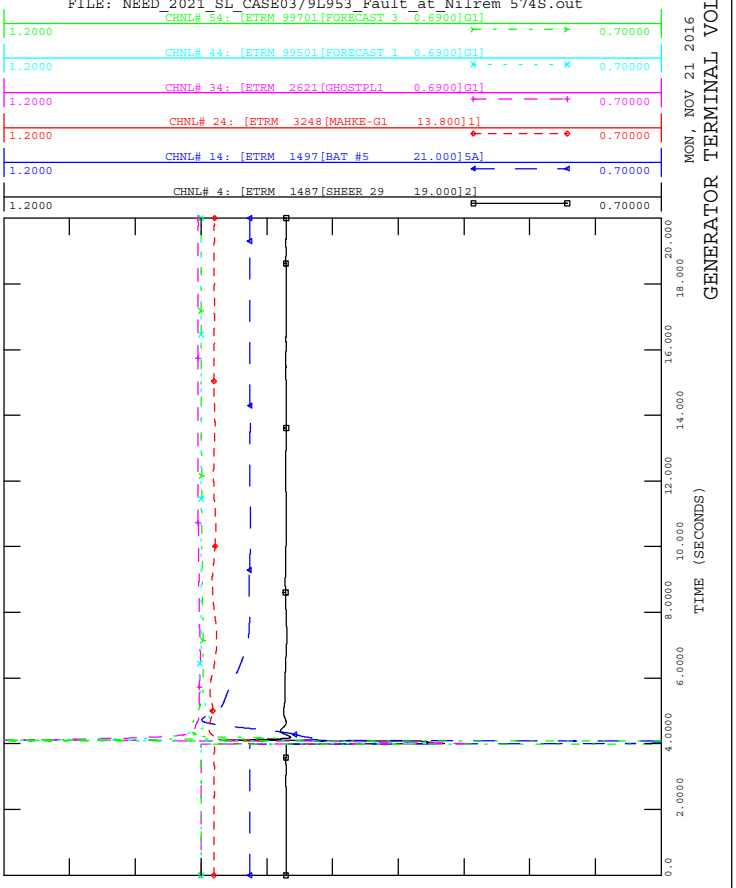
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out



MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_NILREM 574S

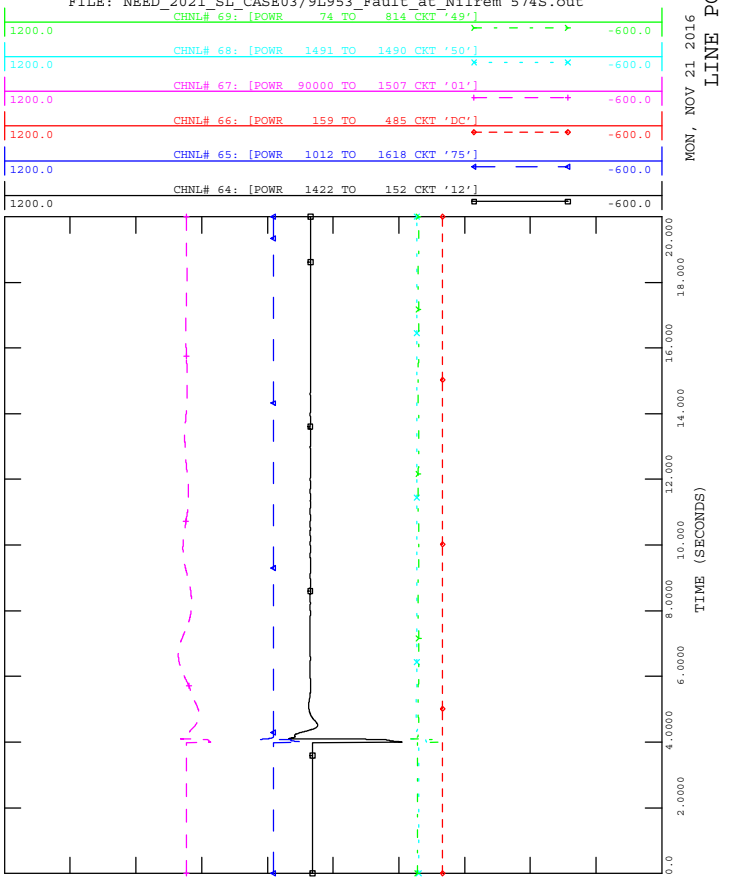
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out



MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_NILREM 574S

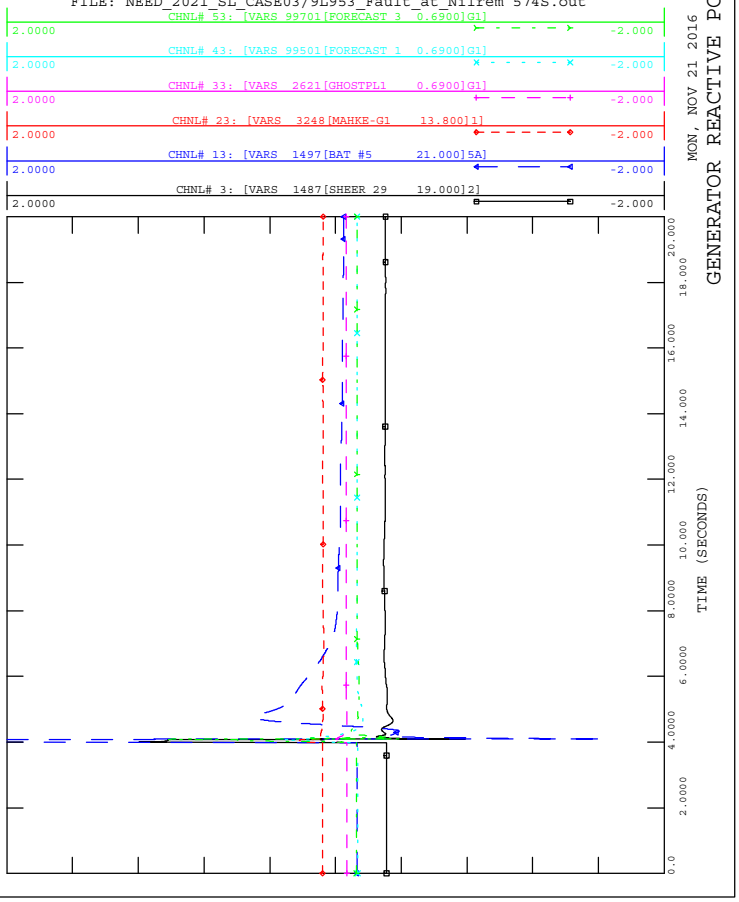
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out



MON, NOV 21 2016 13:32
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out



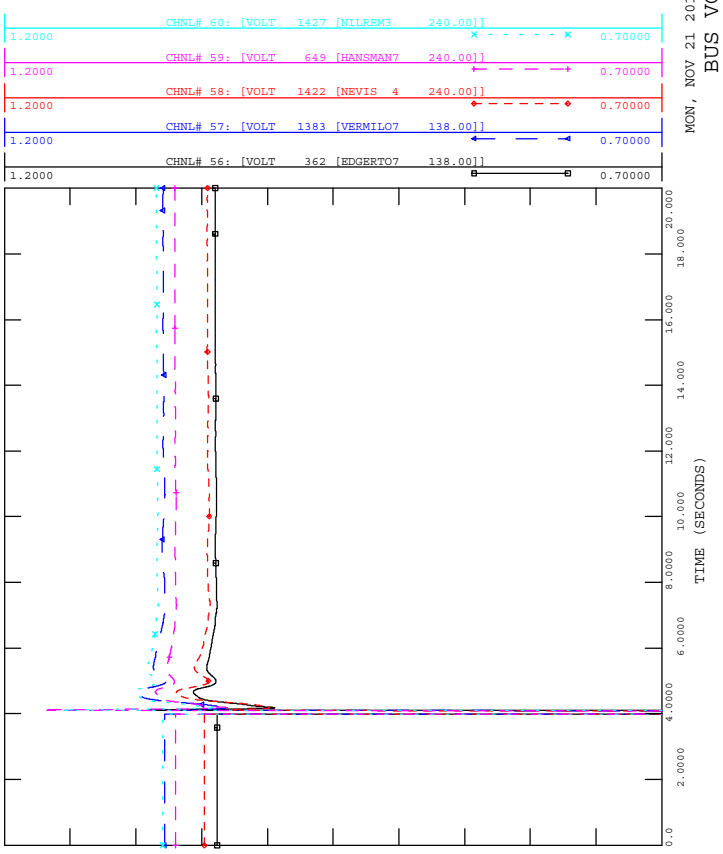
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:32

BUS VOLTAGE

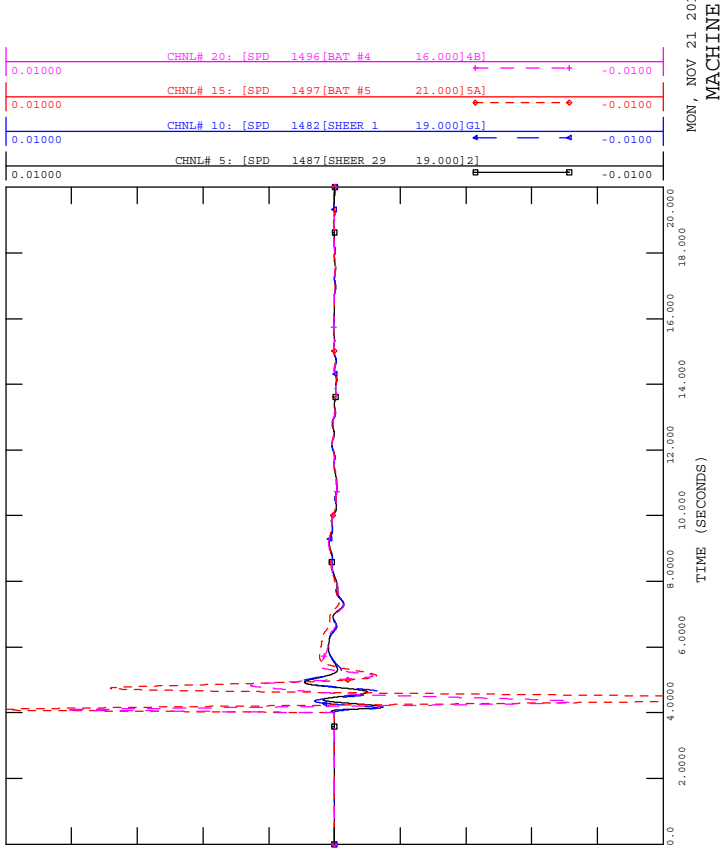


NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:32

MACHINE SPEED

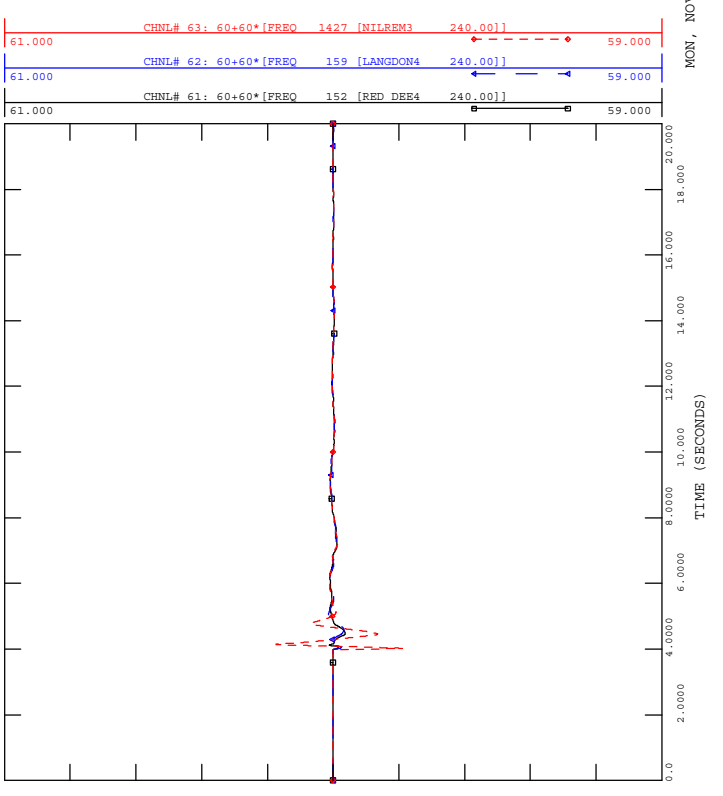


NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:32

FREQUENCY

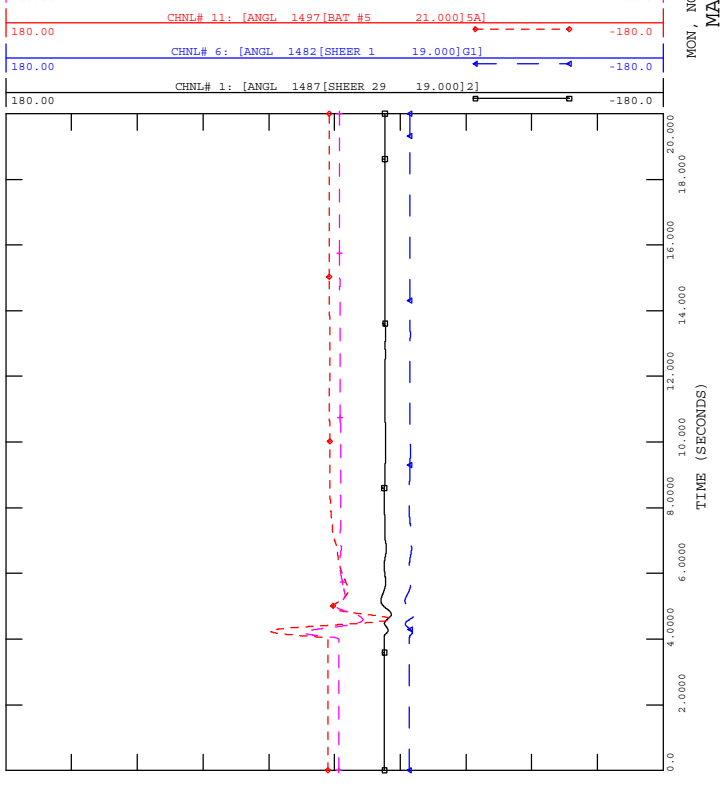


NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out

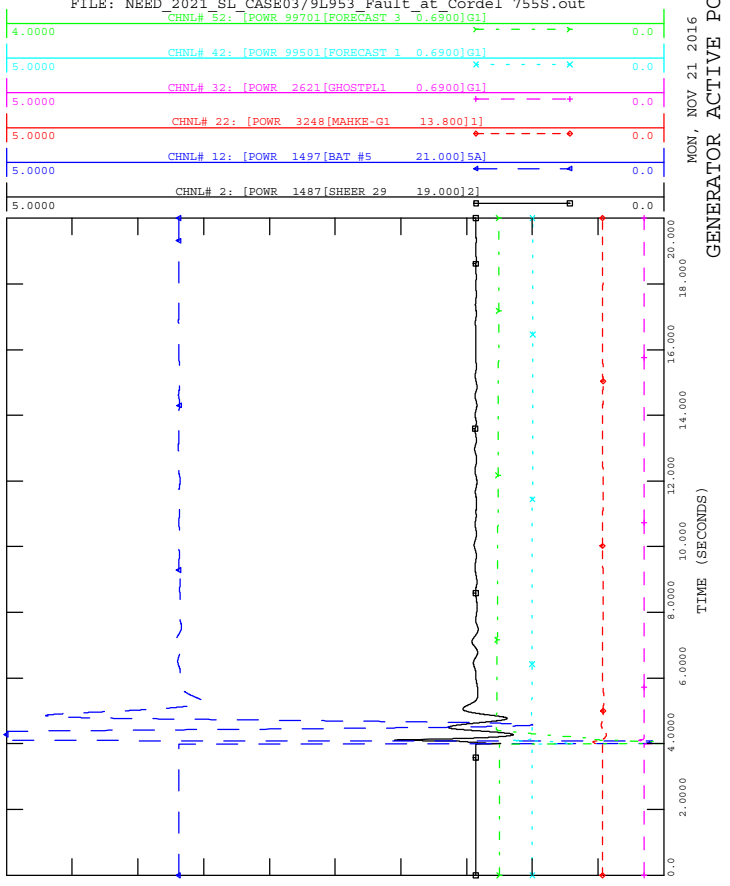
MON, NOV 21 2016 13:32

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

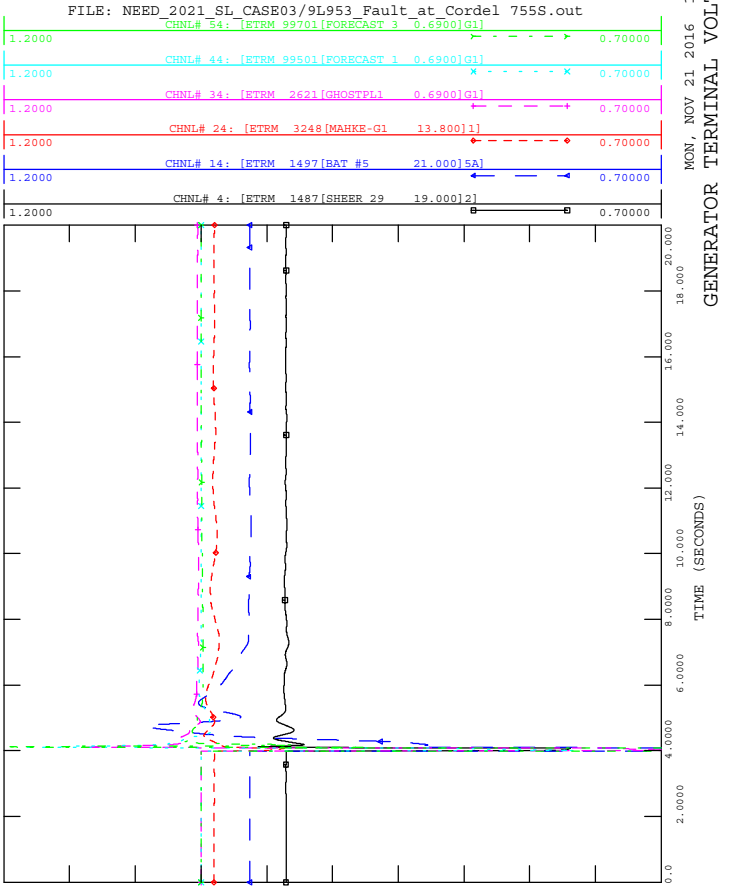
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:32
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

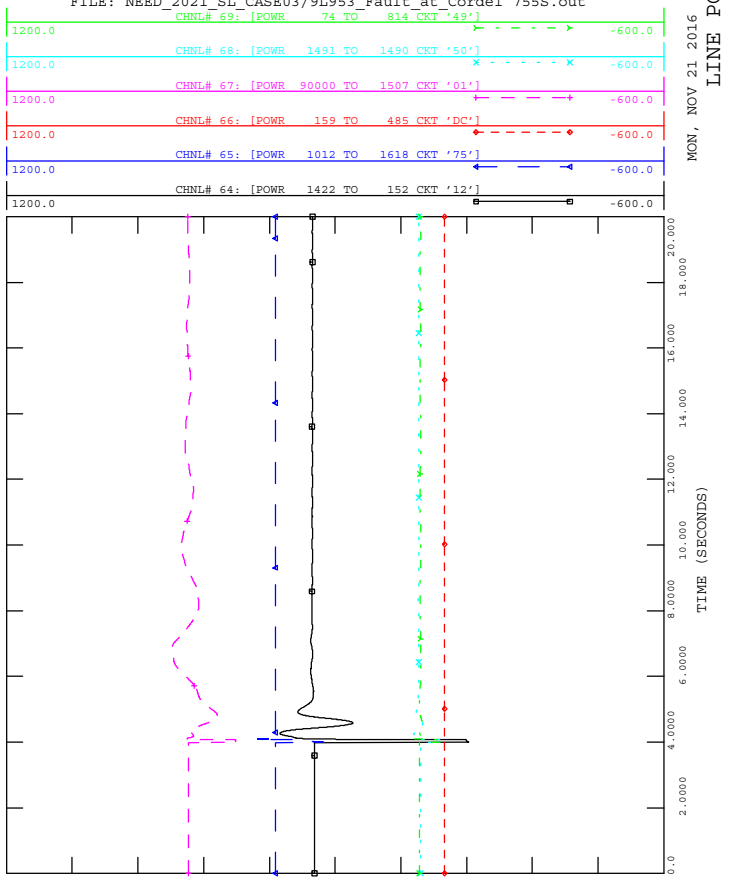
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:32
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

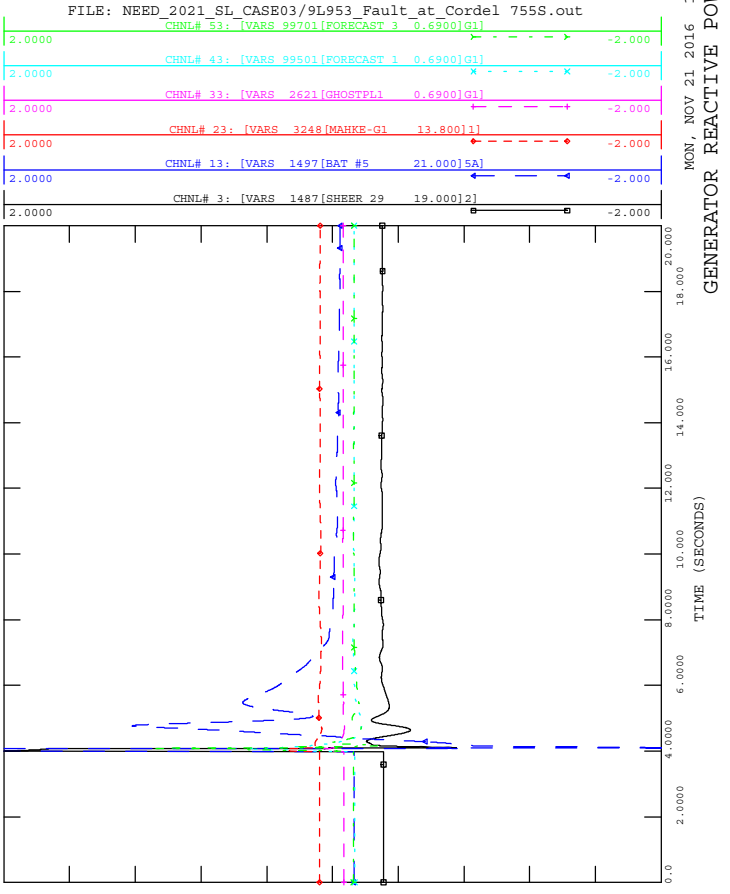
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:32
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out



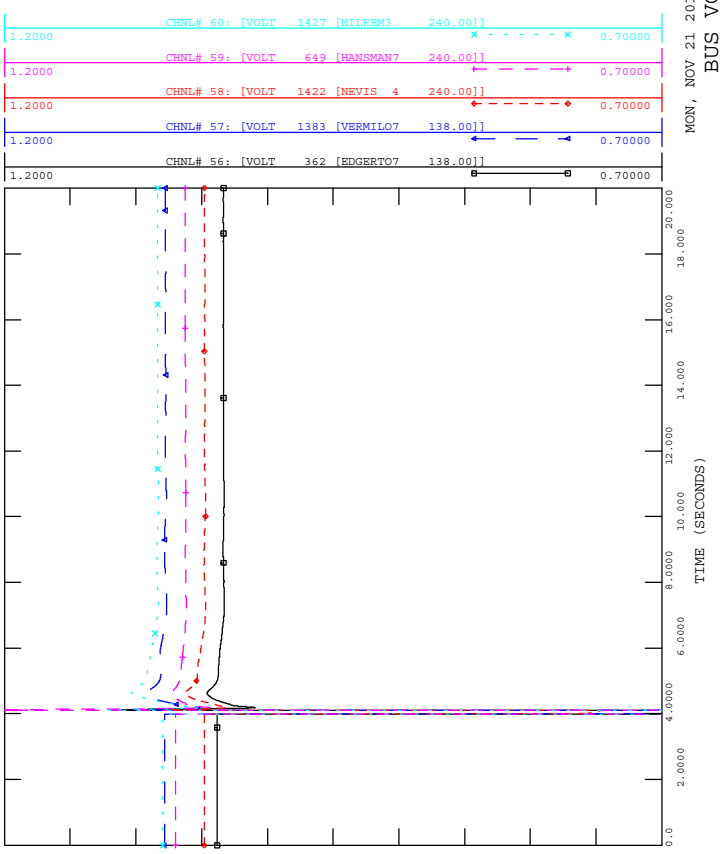
MON, NOV 21 2016 13:32
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

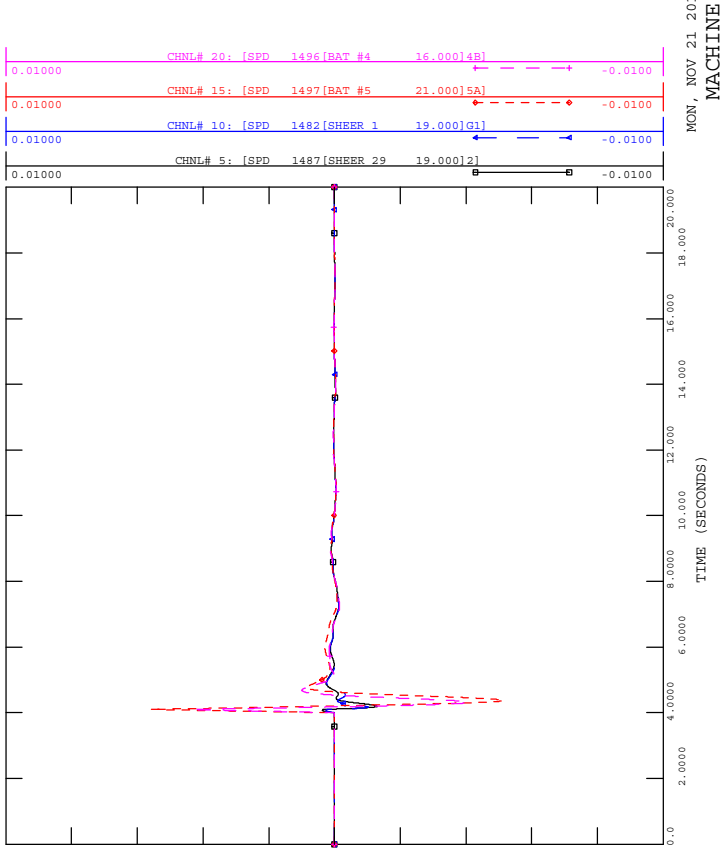


NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

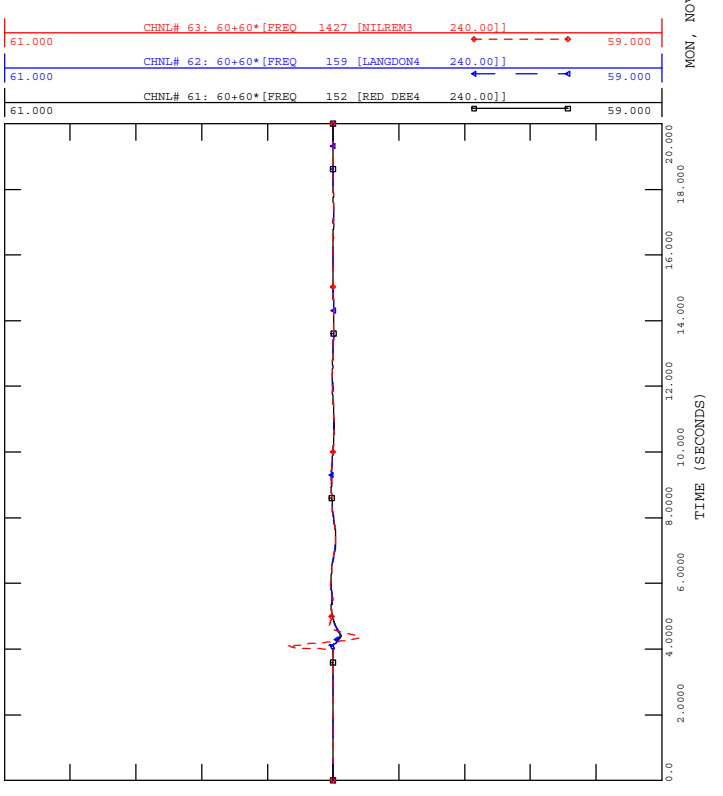


NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:33

FREQUENCY

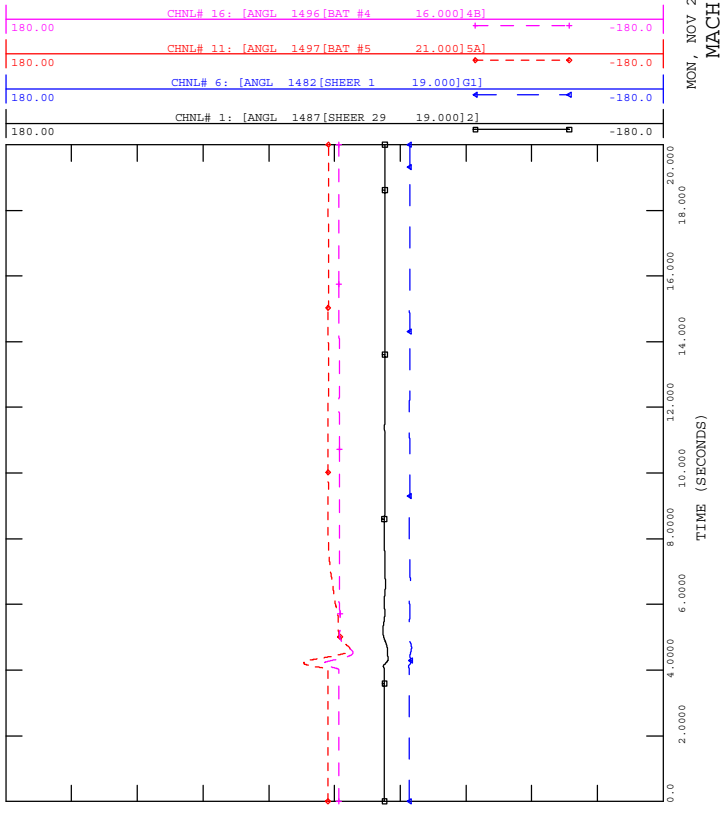


NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out

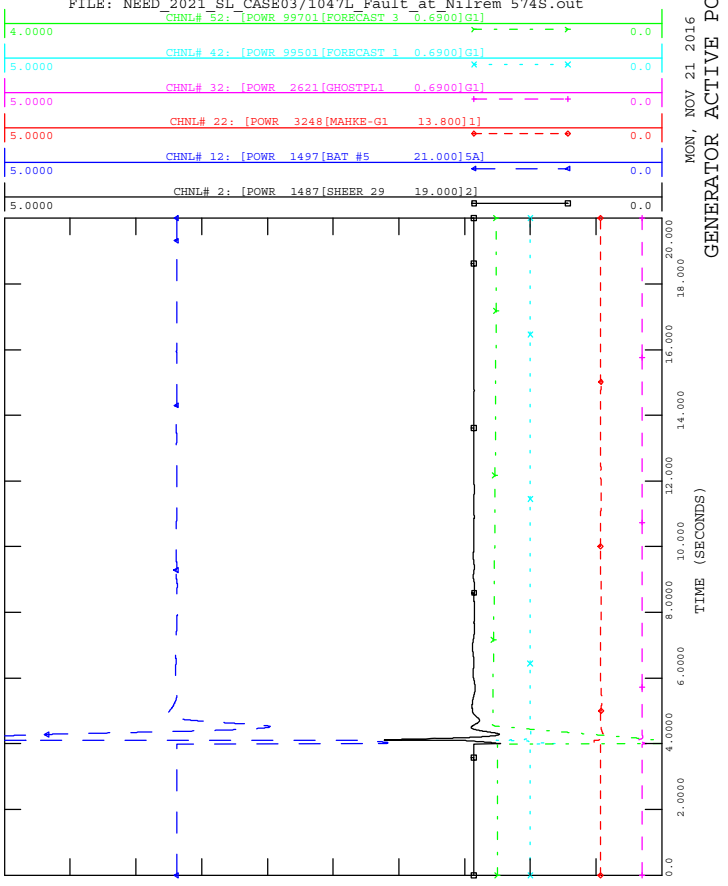
MON, NOV 21 2016 13:33

MACHINE ANGEL



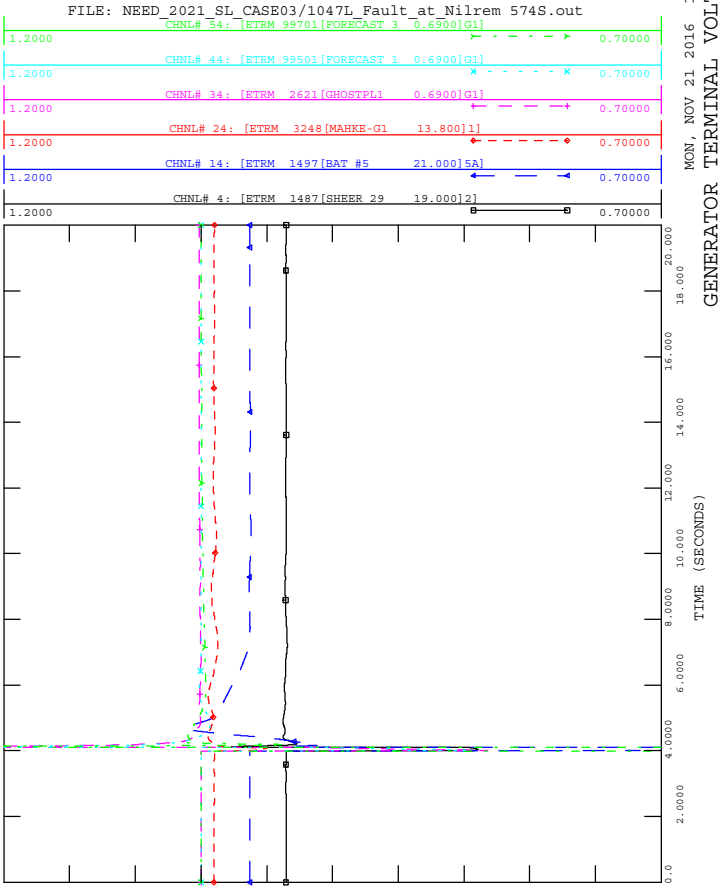
NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out



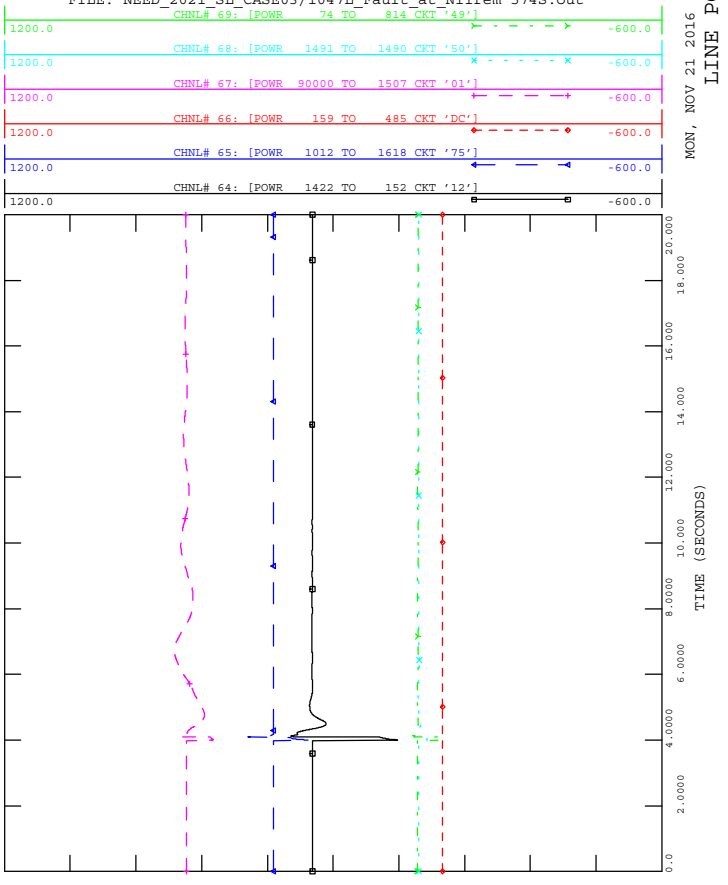
NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out



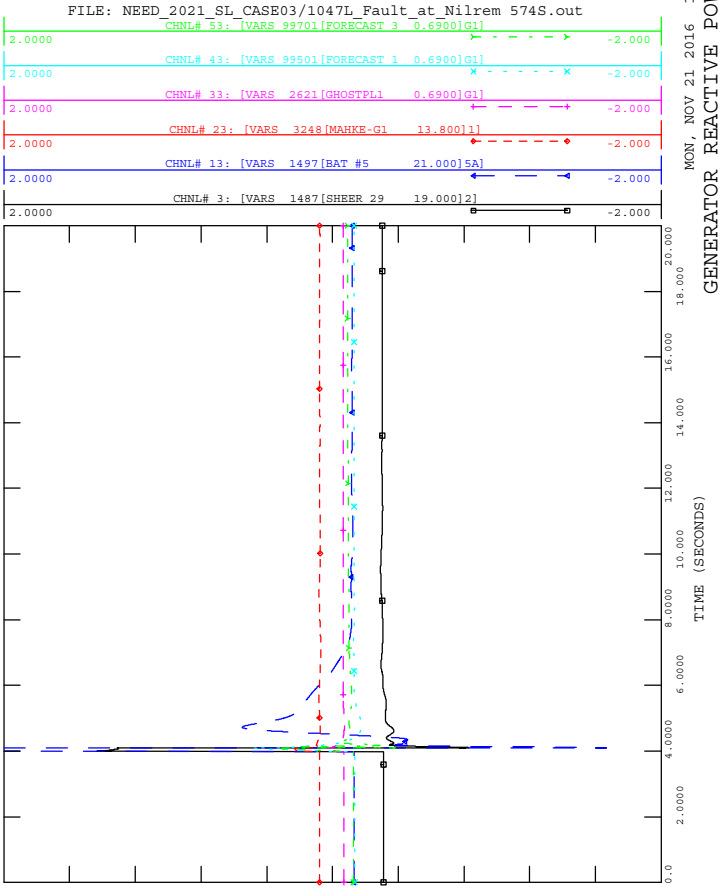
NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out



NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out

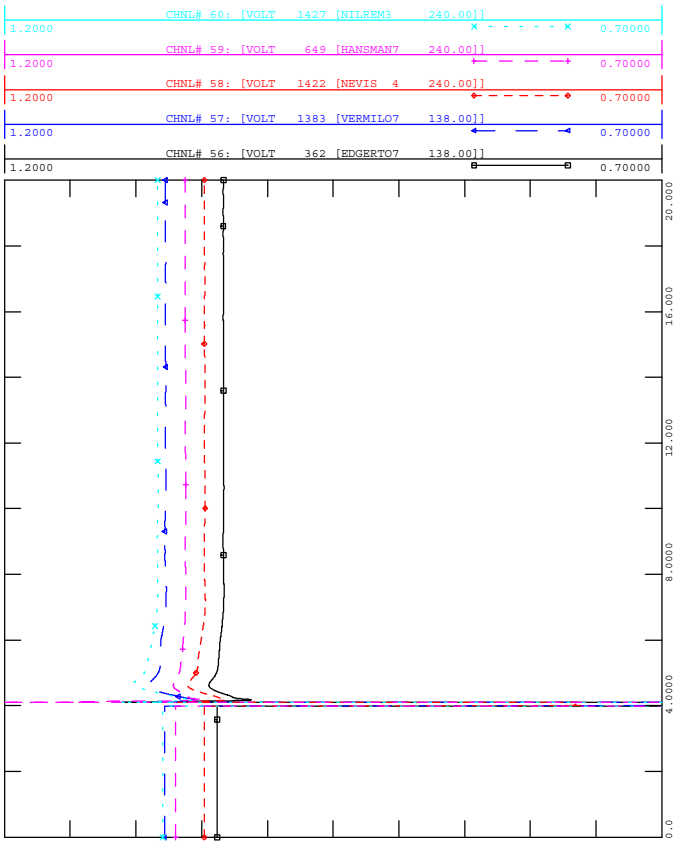


NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

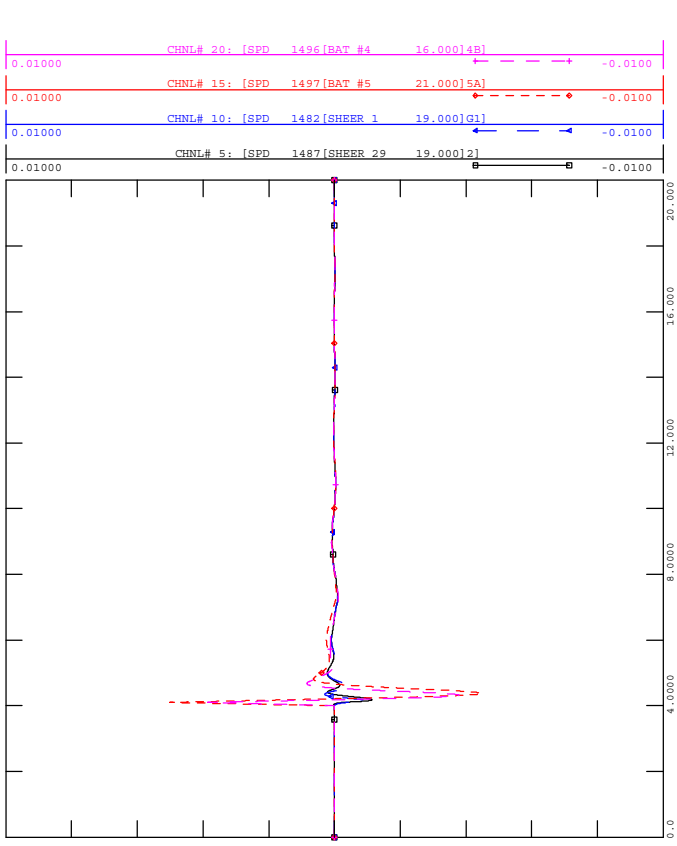


NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

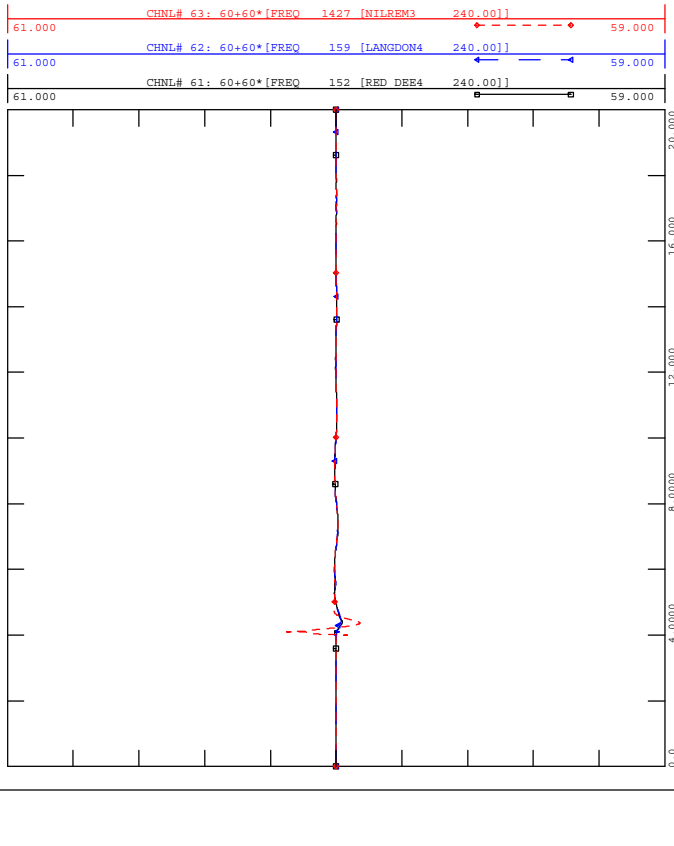


NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:33

FREQUENCY

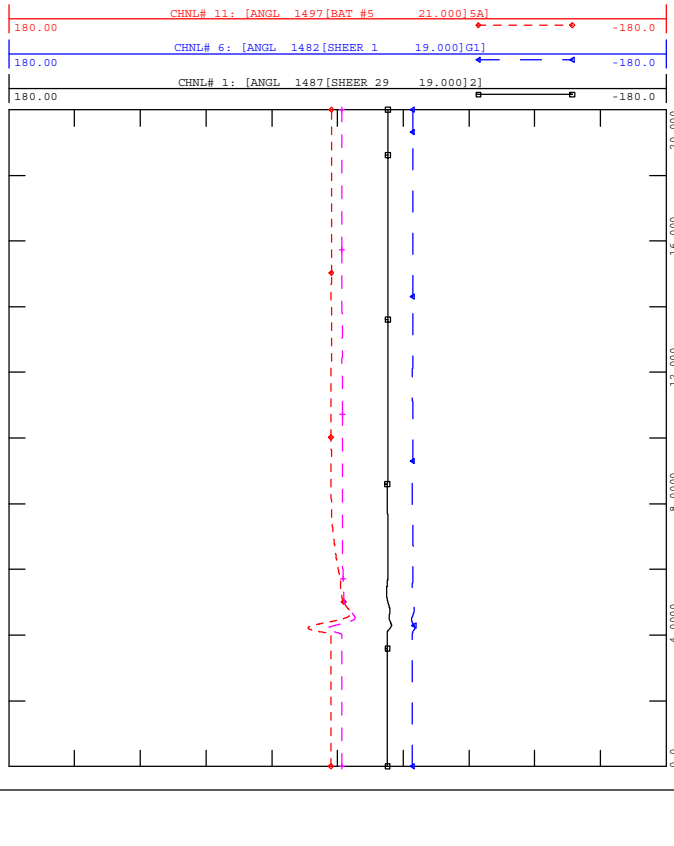


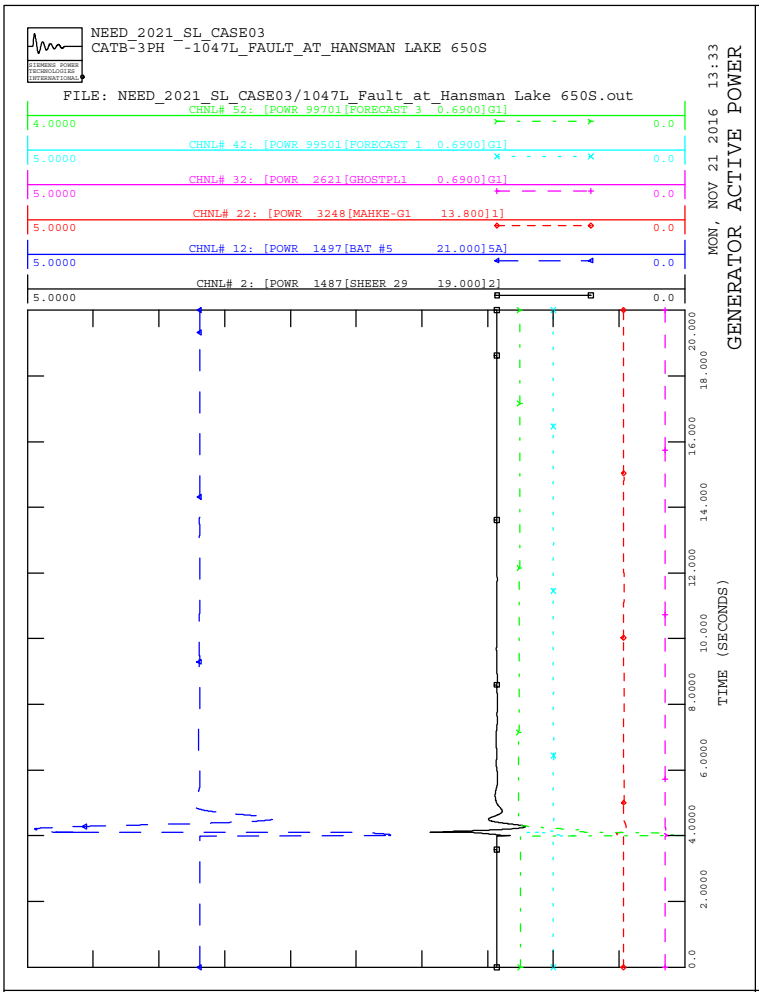
NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

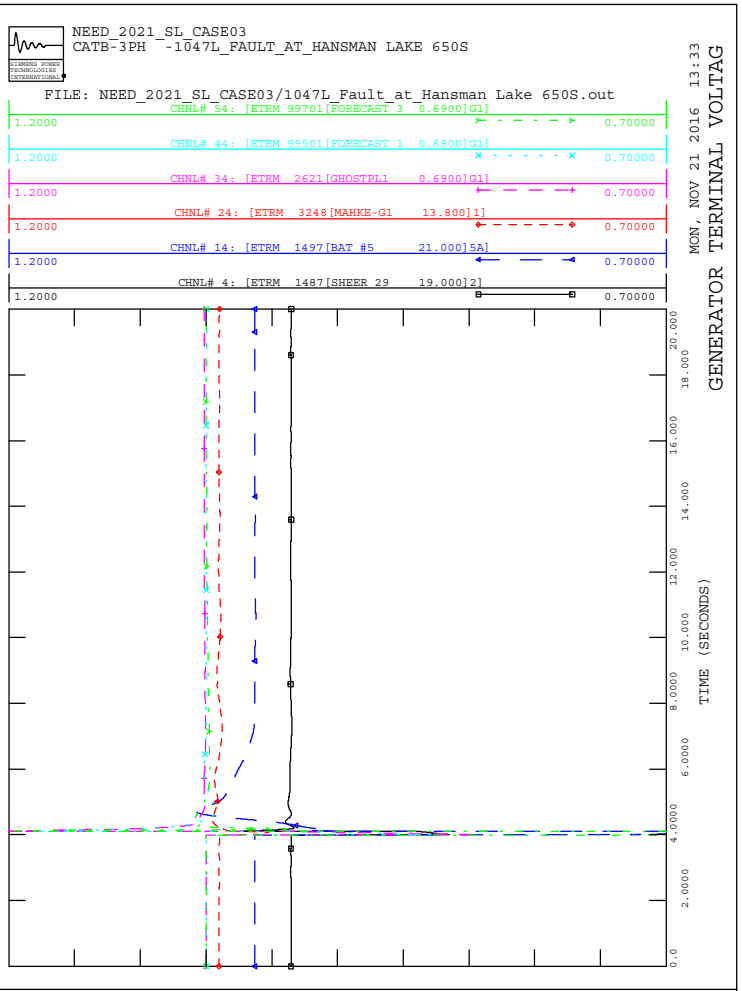
FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out

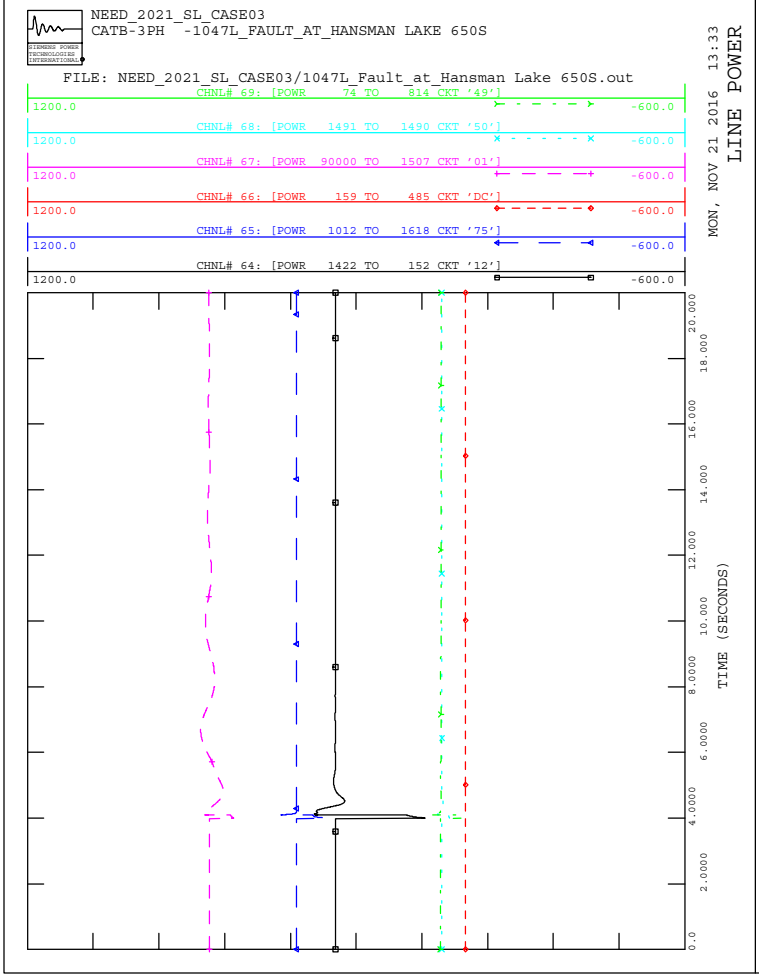
MON, NOV 21 2016 13:33

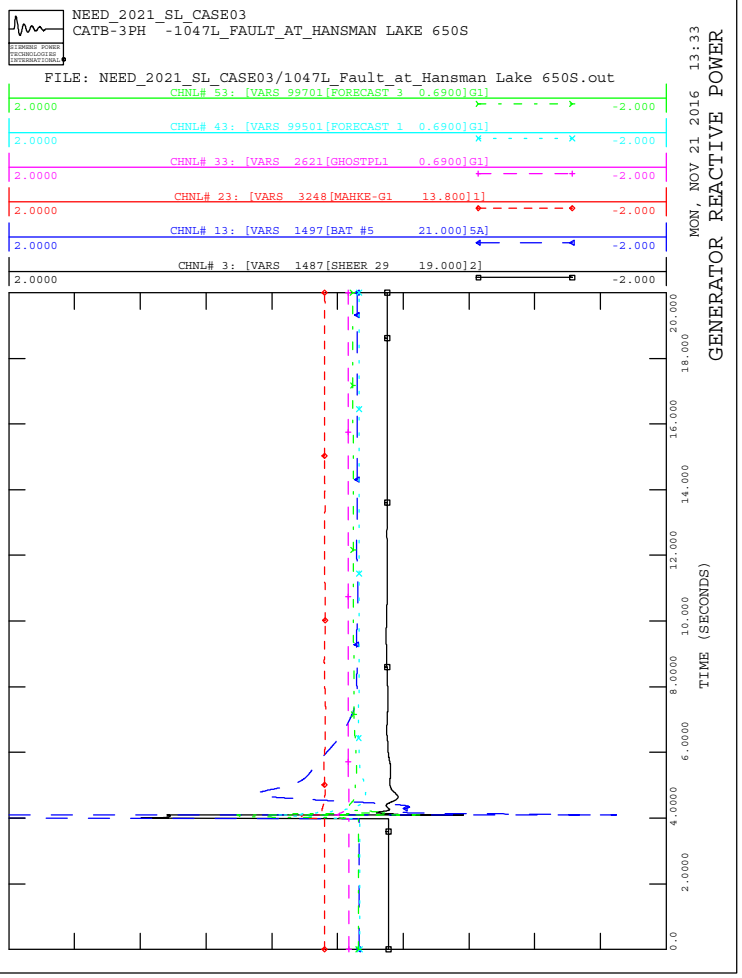
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:33


NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:33


NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
LINE POWER
MON, NOV 21 2016 13:33

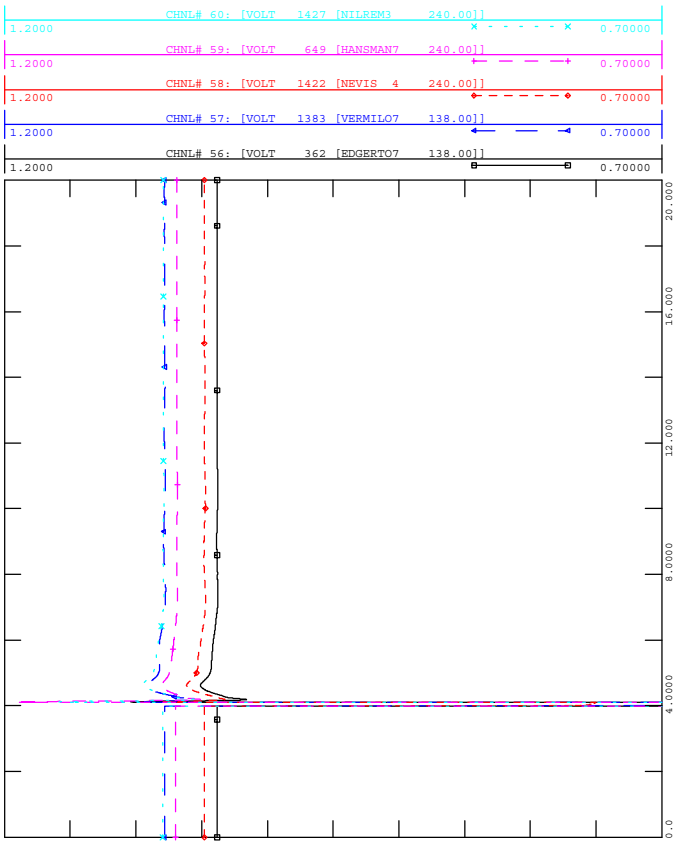

NEED_2021_SL_CASE03
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:33

NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

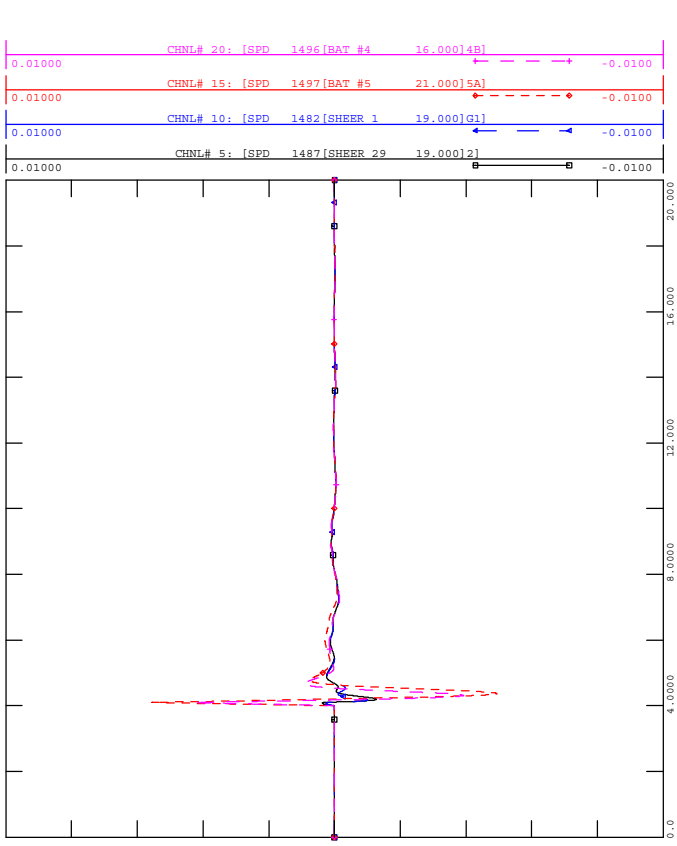


NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

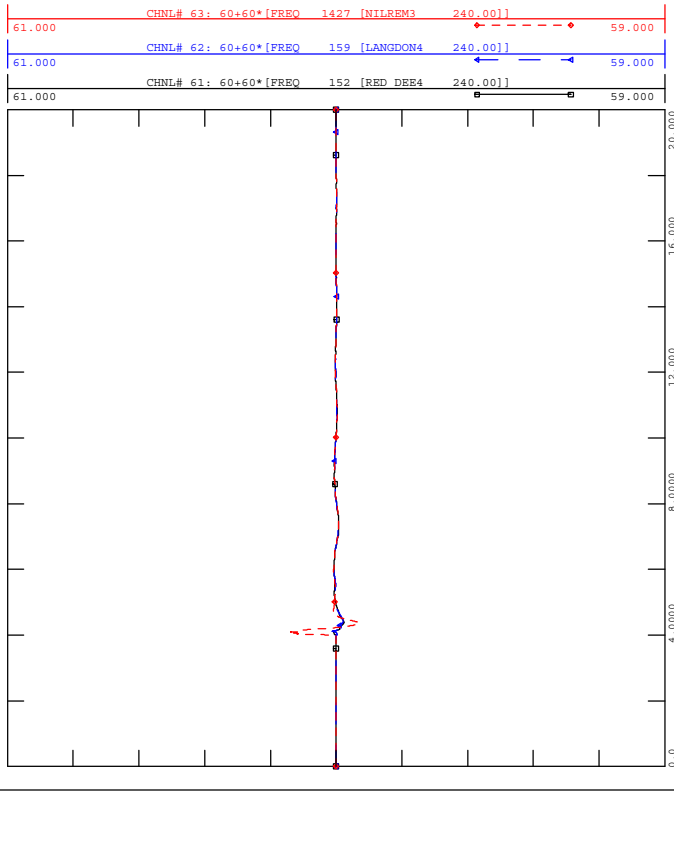


NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:33

FREQUENCY

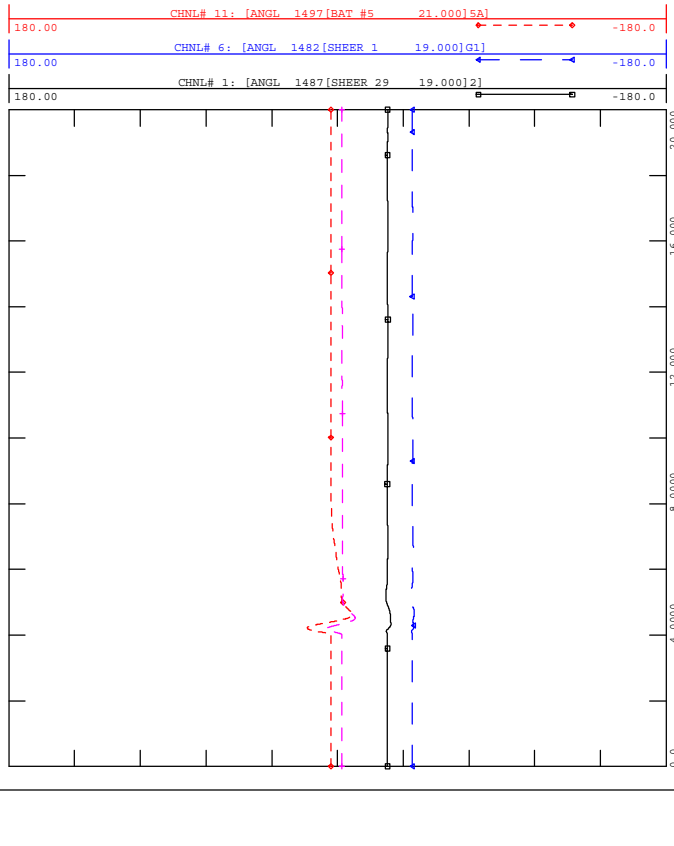


NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out

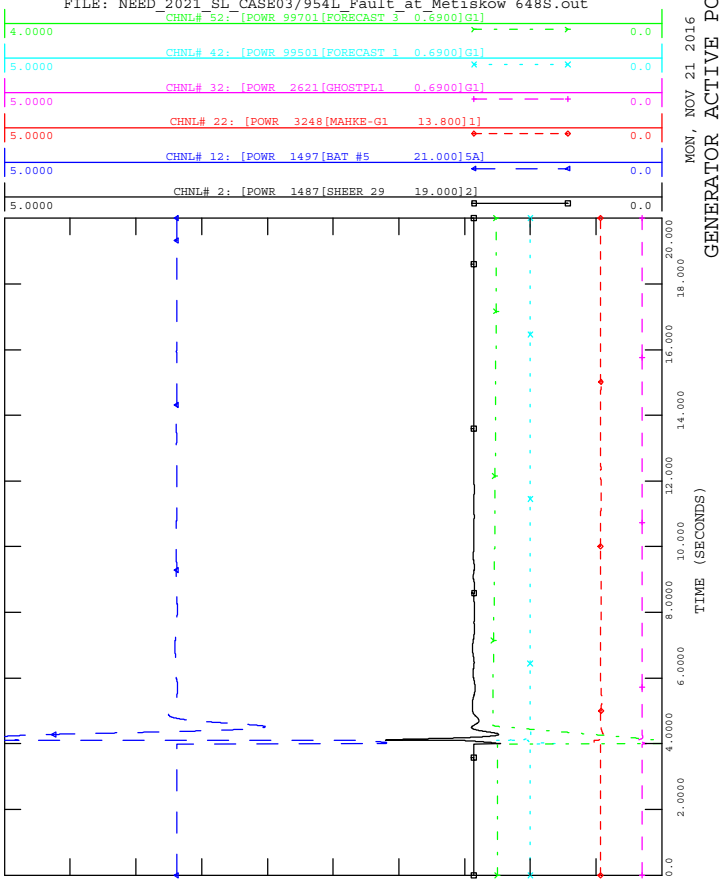
MON, NOV 21 2016 13:33

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_METISKOW 648S

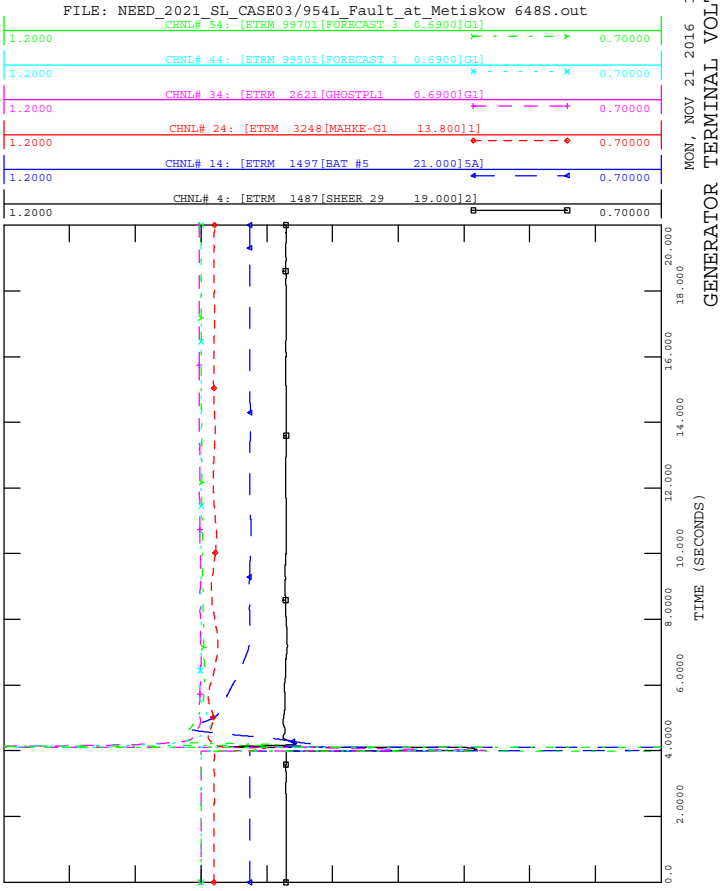
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_METISKOW 648S

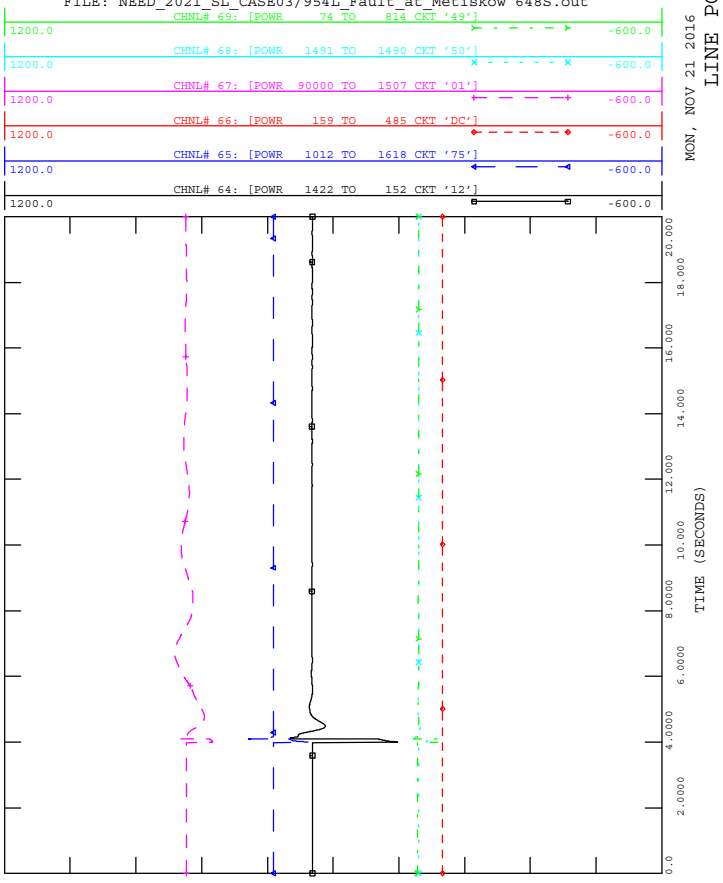
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_METISKOW 648S

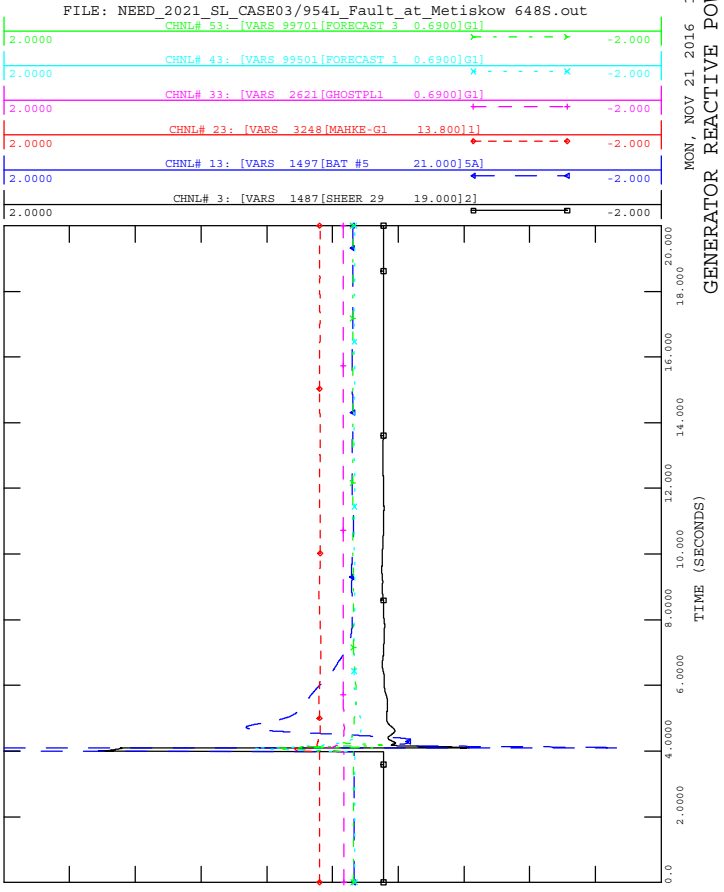
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:33
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out



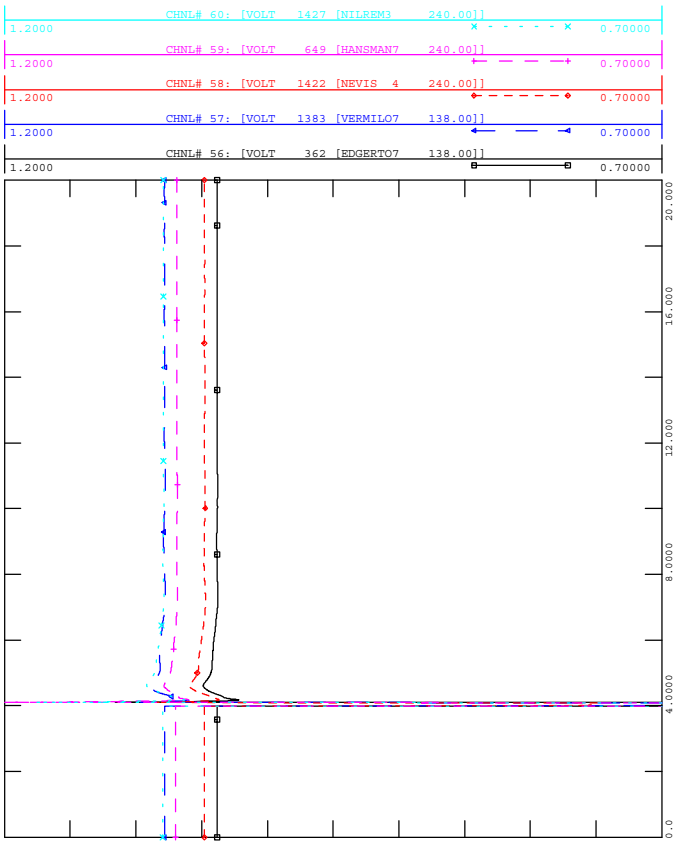
MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

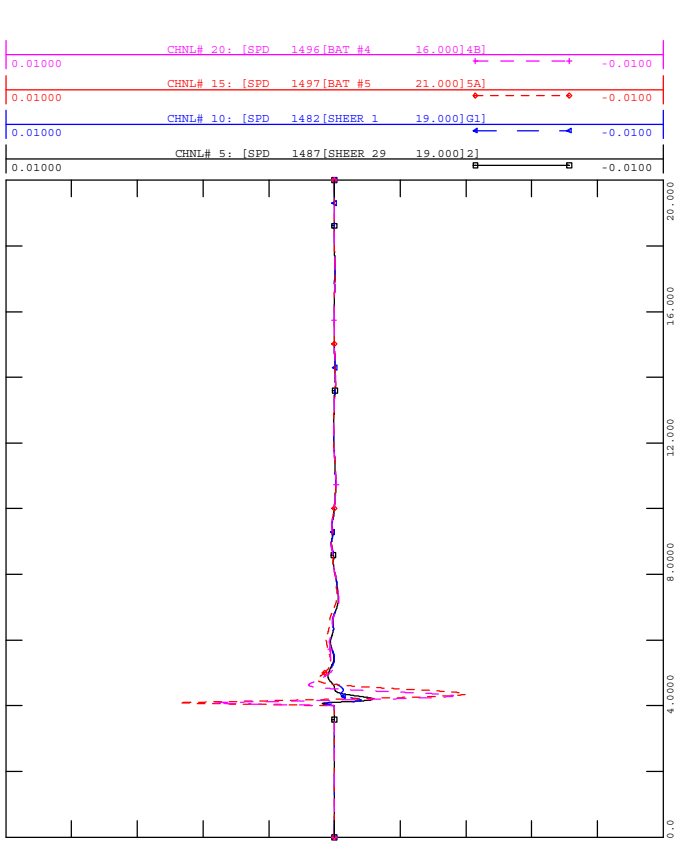


NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

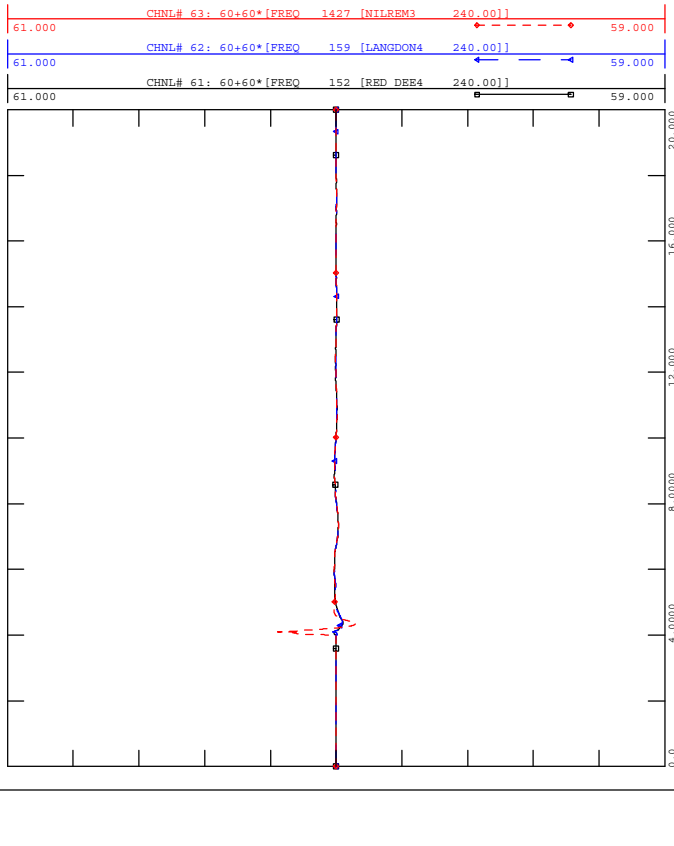


NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:33

FREQUENCY

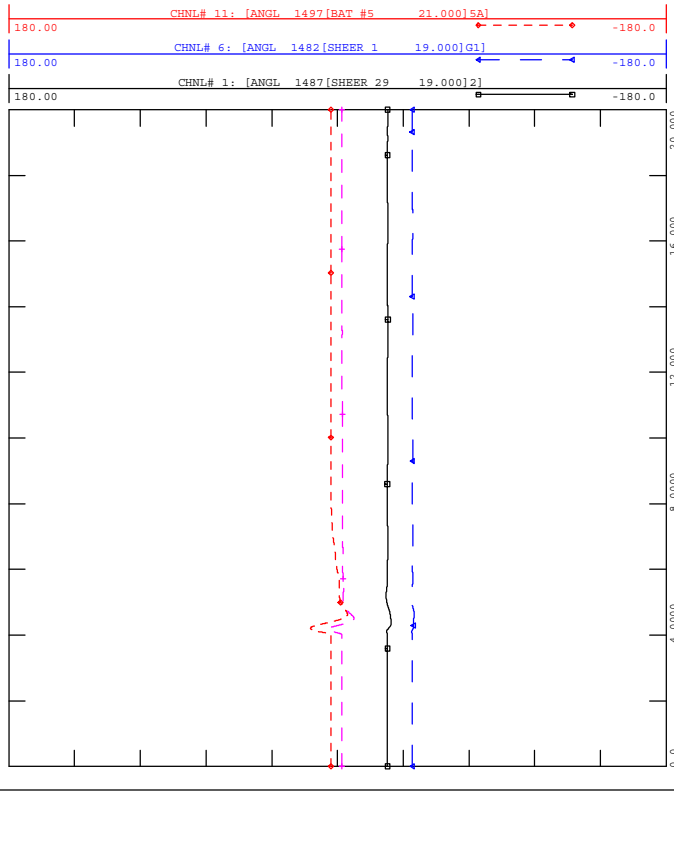


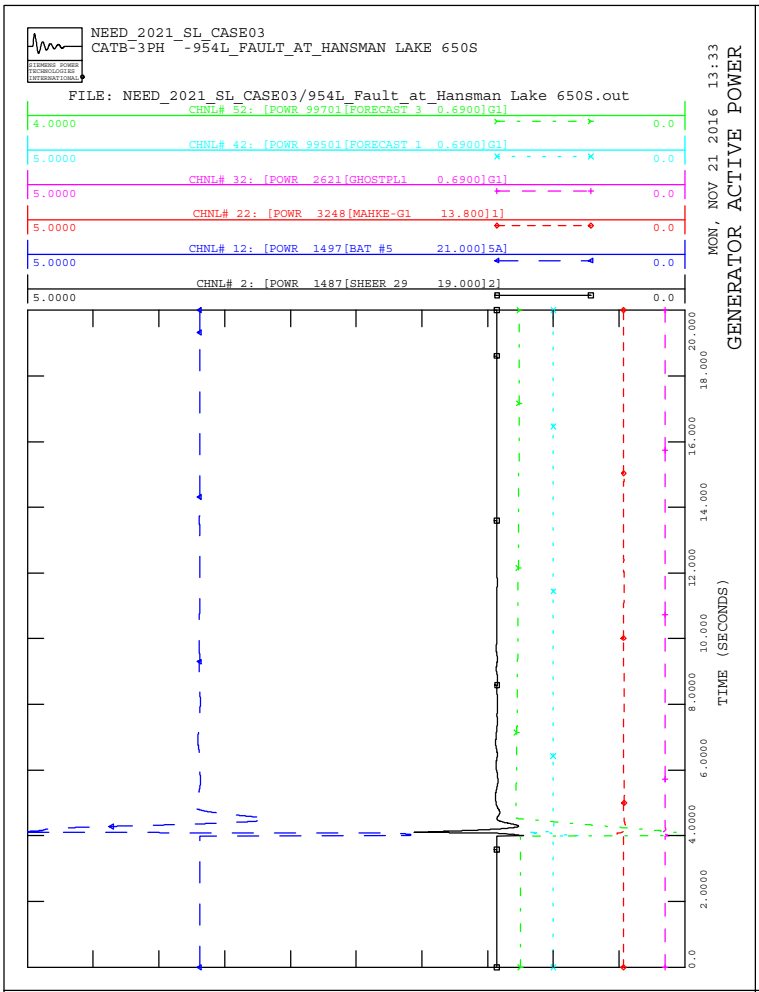
NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S

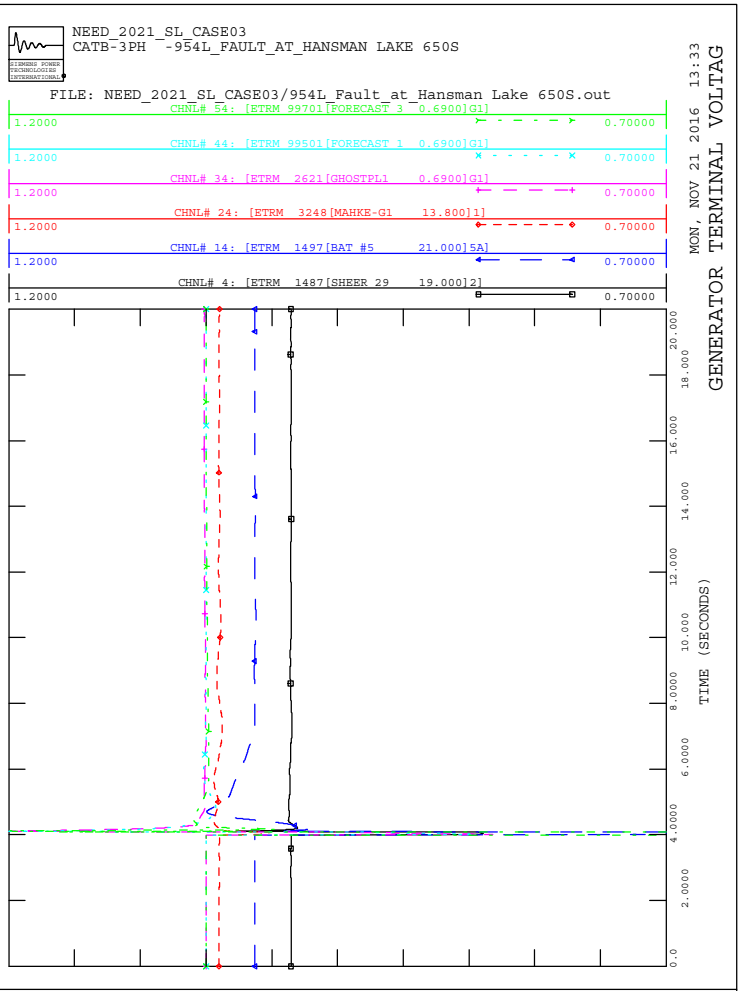
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out

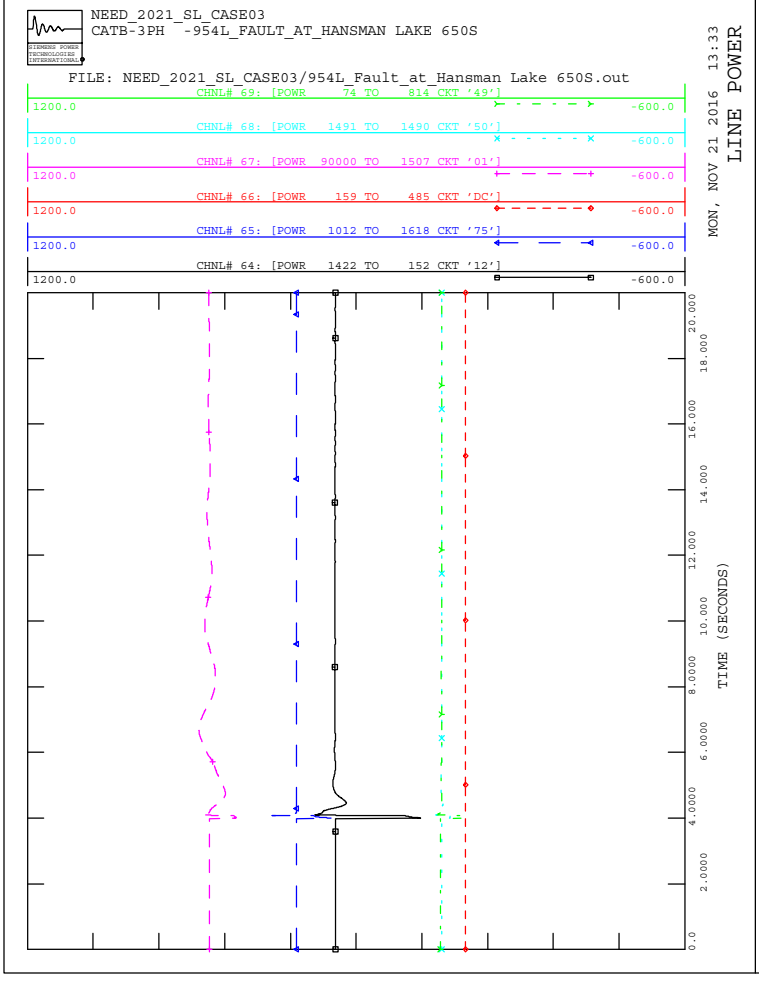
MON, NOV 21 2016 13:33

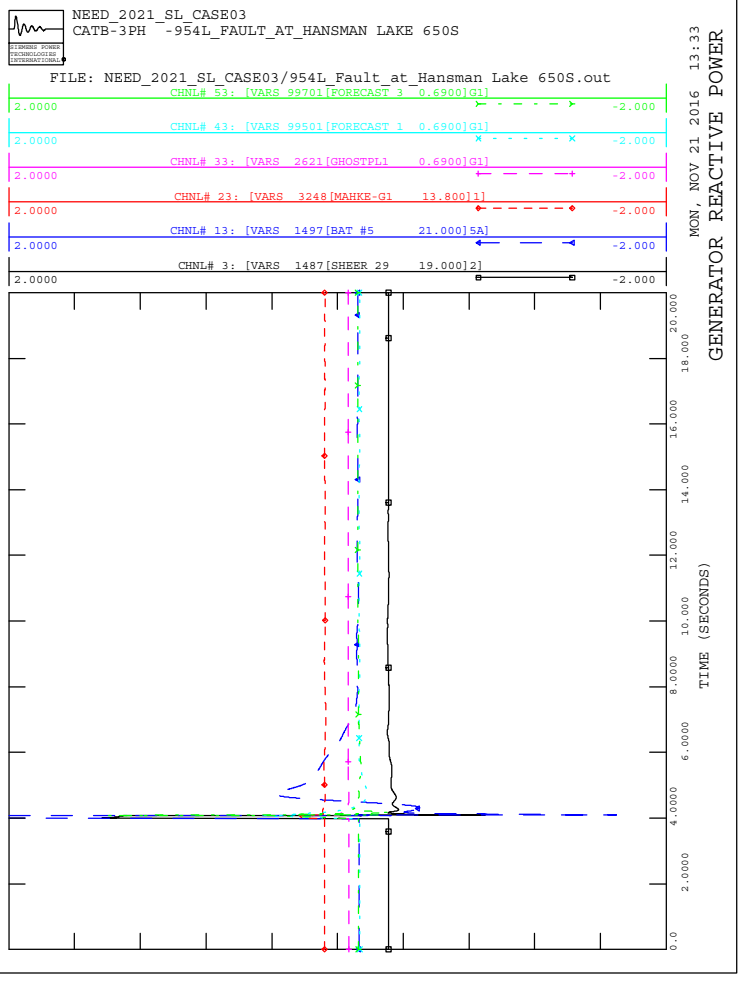
MACHINE ANGEL

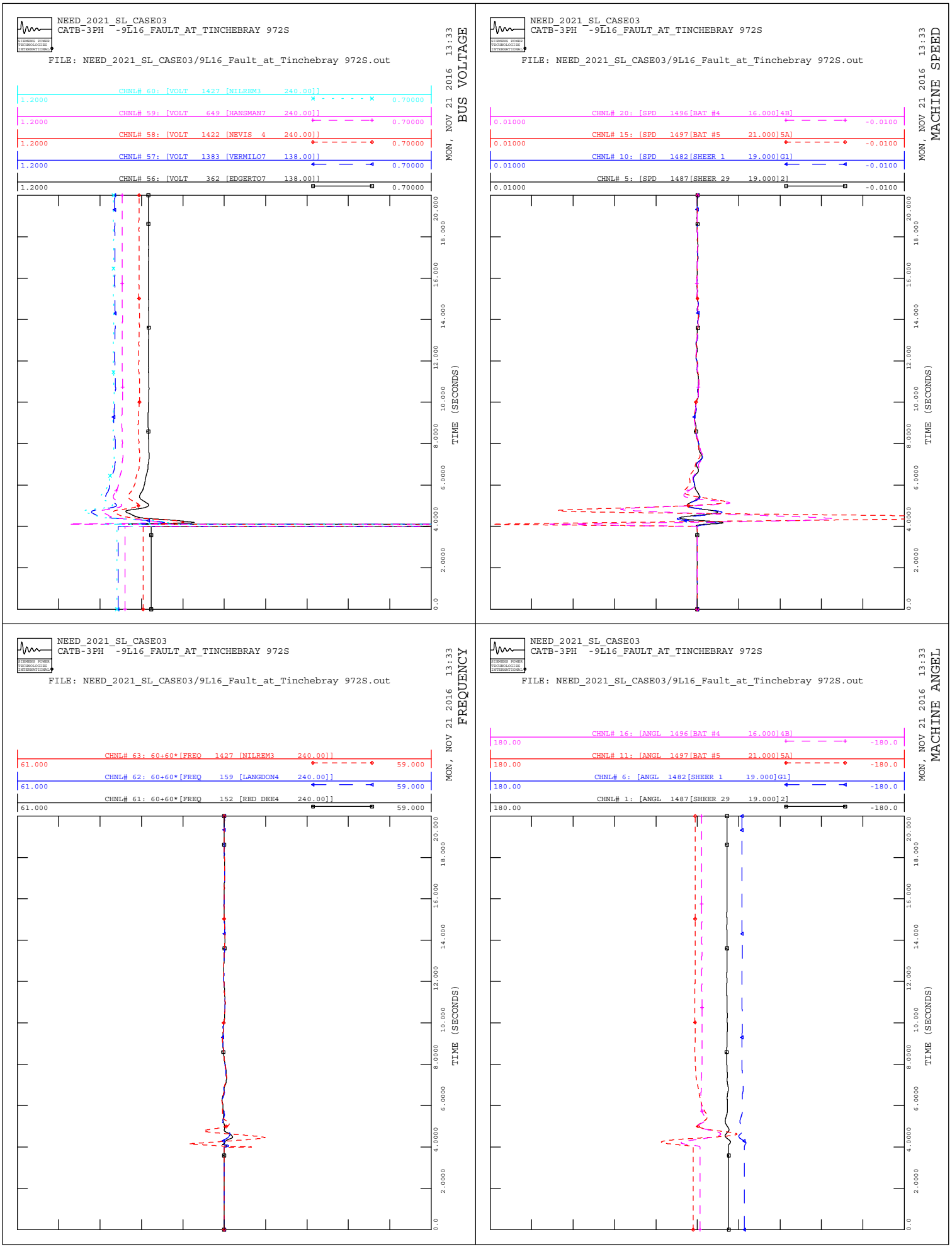



NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

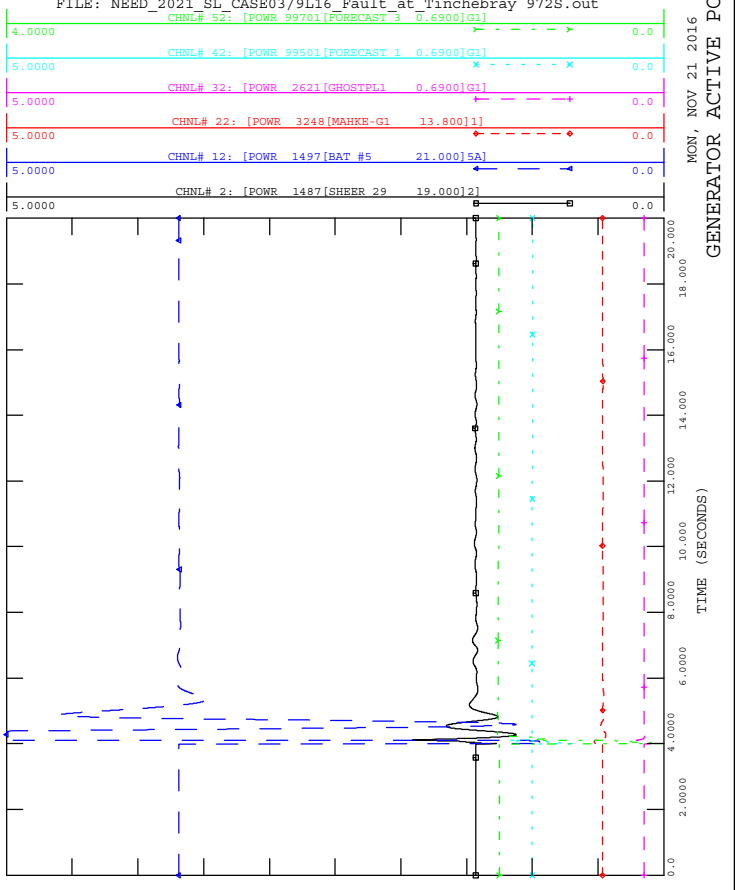

NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:33
LINE POWER
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out
MON, NOV 21 2016 13:33
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out
MON, NOV 21 2016 13:33
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out
MON, NOV 21 2016 13:33
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out
MON, NOV 21 2016 13:33
MACHINE ANGEL
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

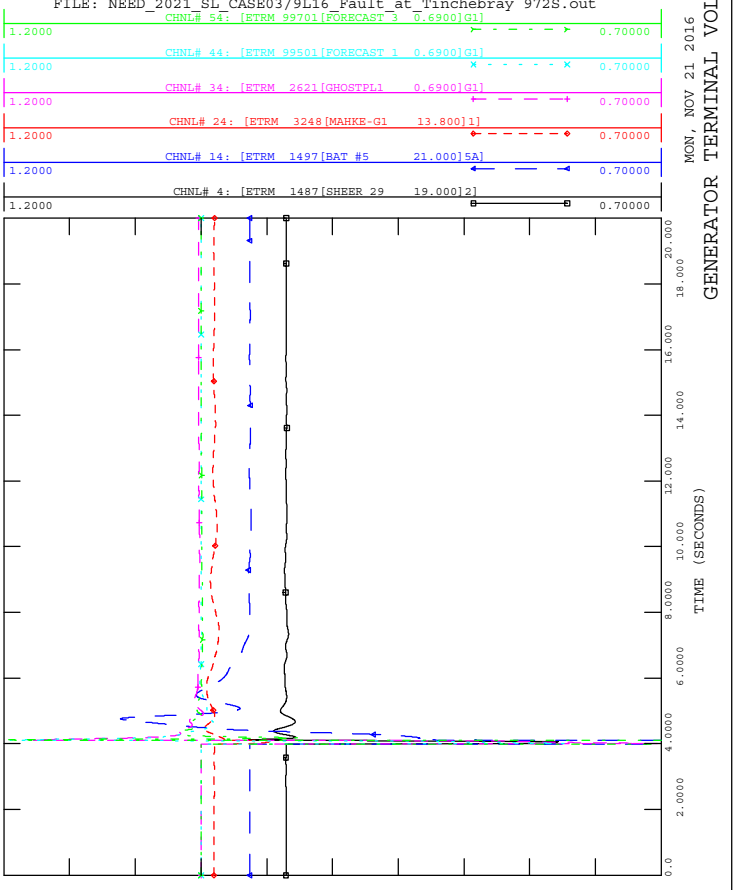
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

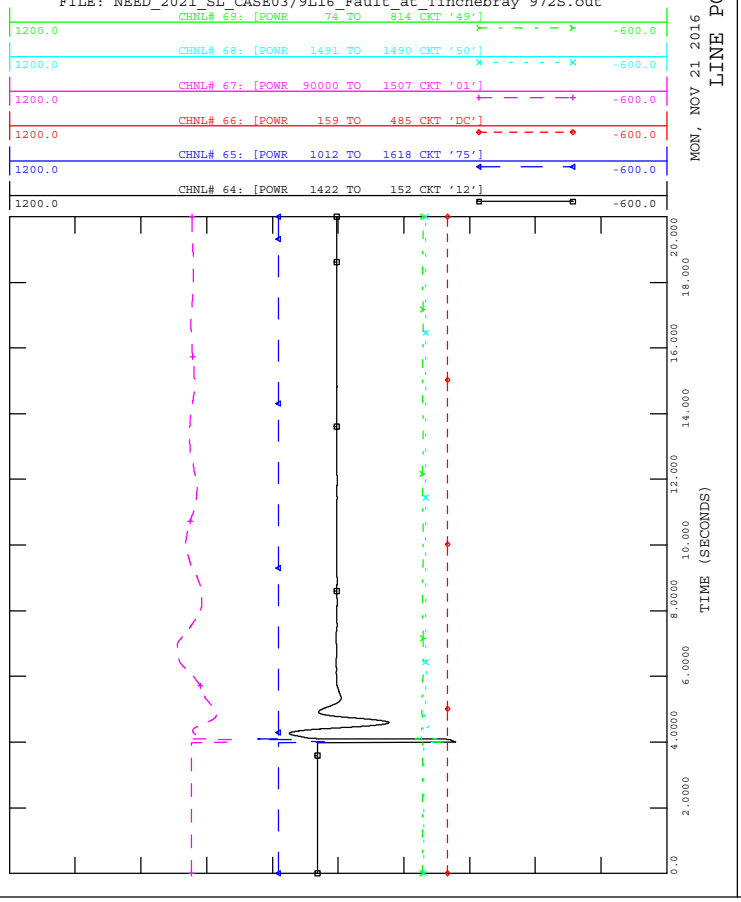
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

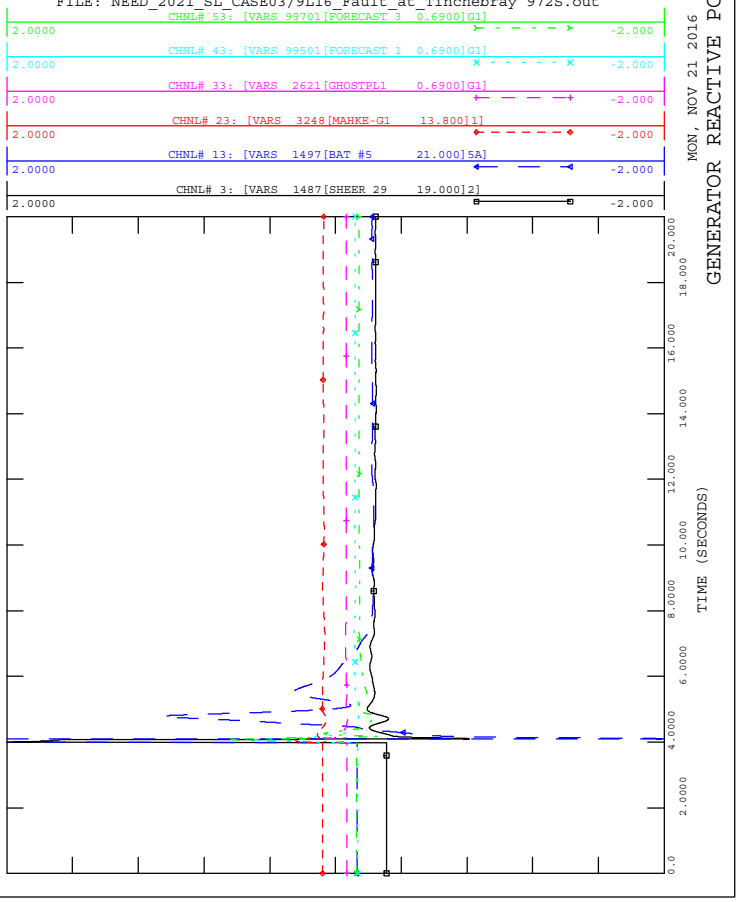
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 13:33
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out



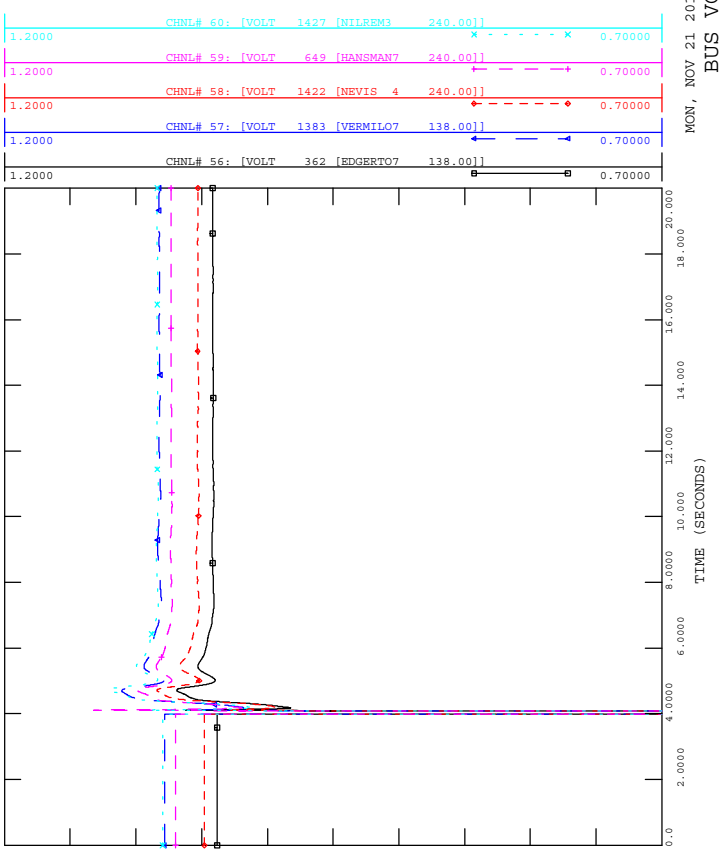
MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

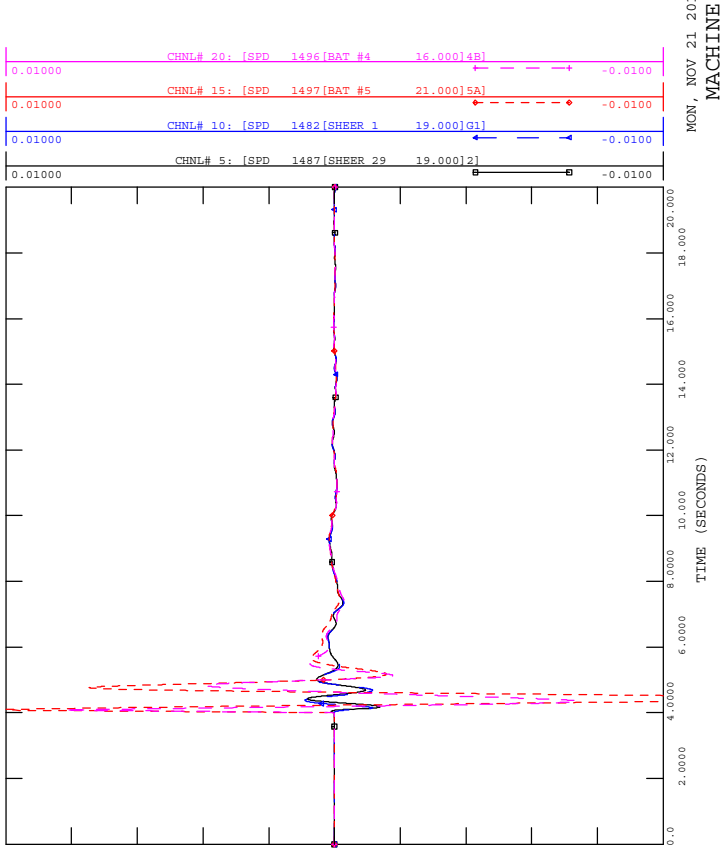


NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

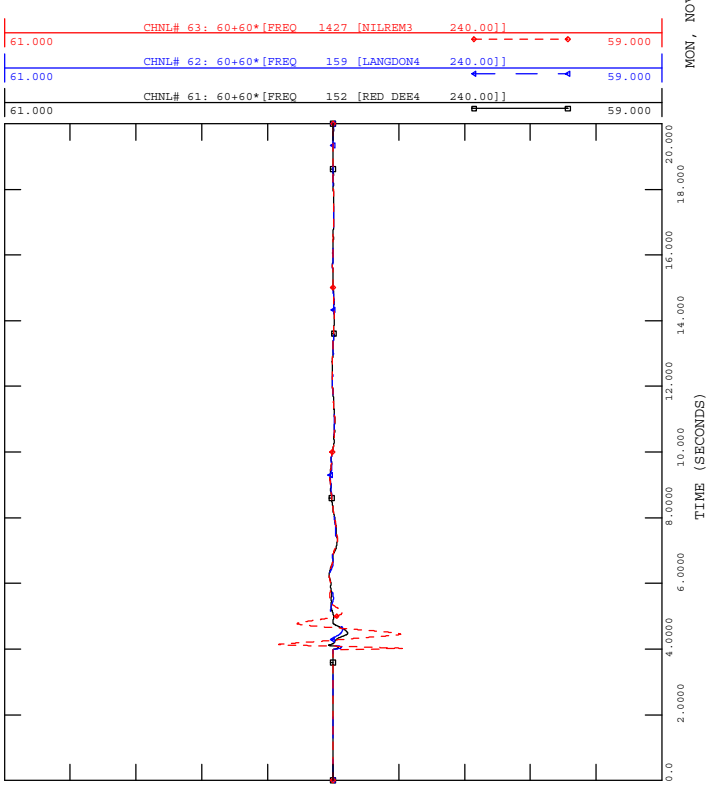


NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:33

FREQUENCY

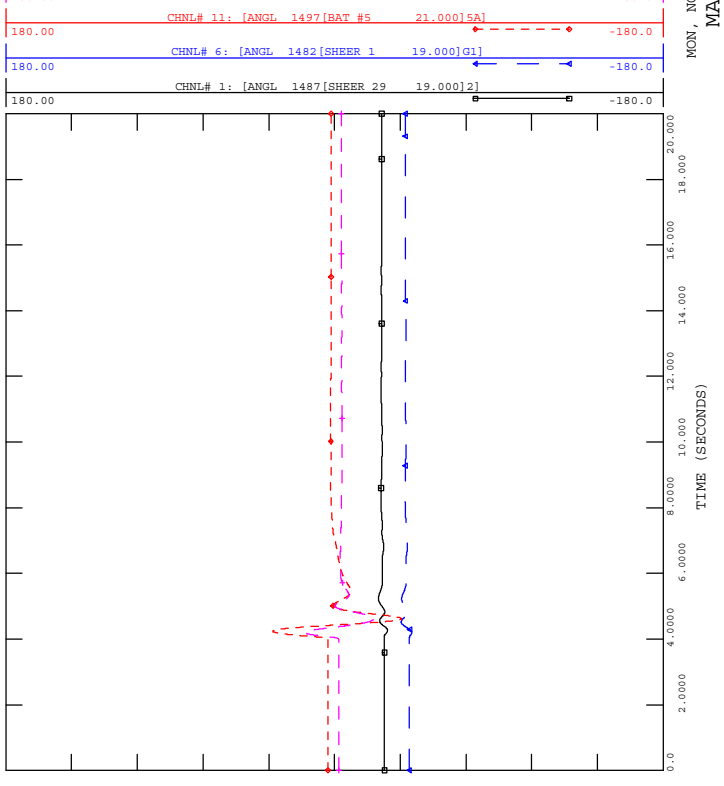


NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out

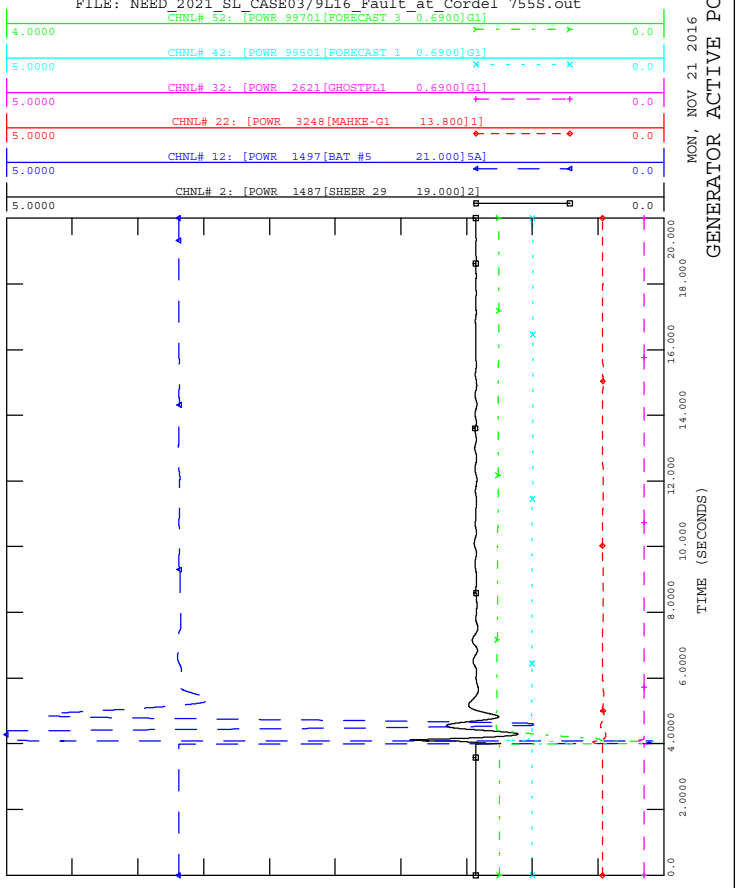
MON, NOV 21 2016 13:33

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

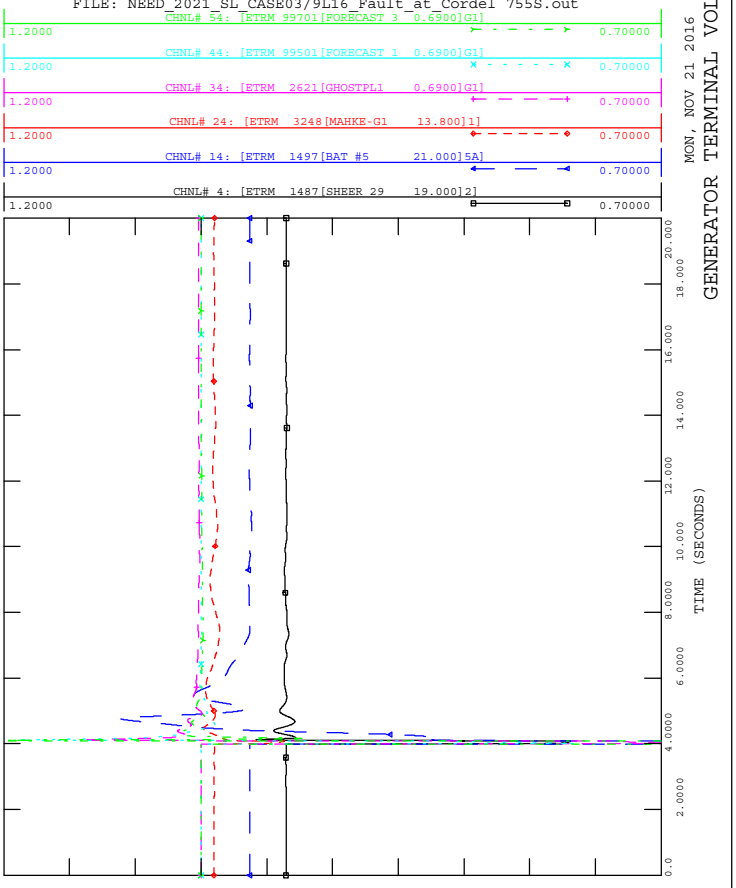
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

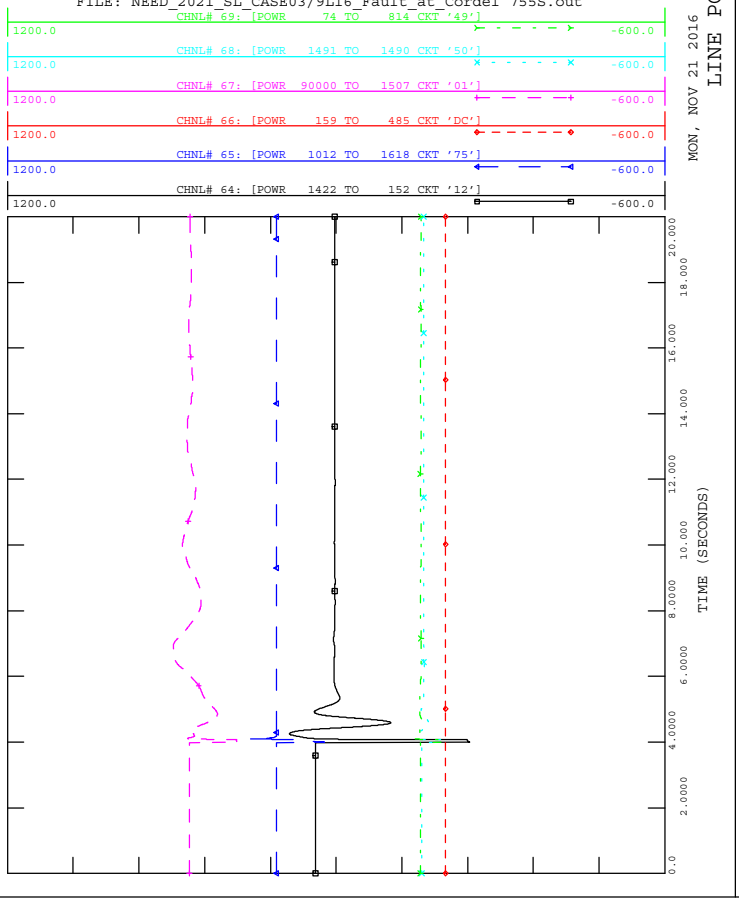
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

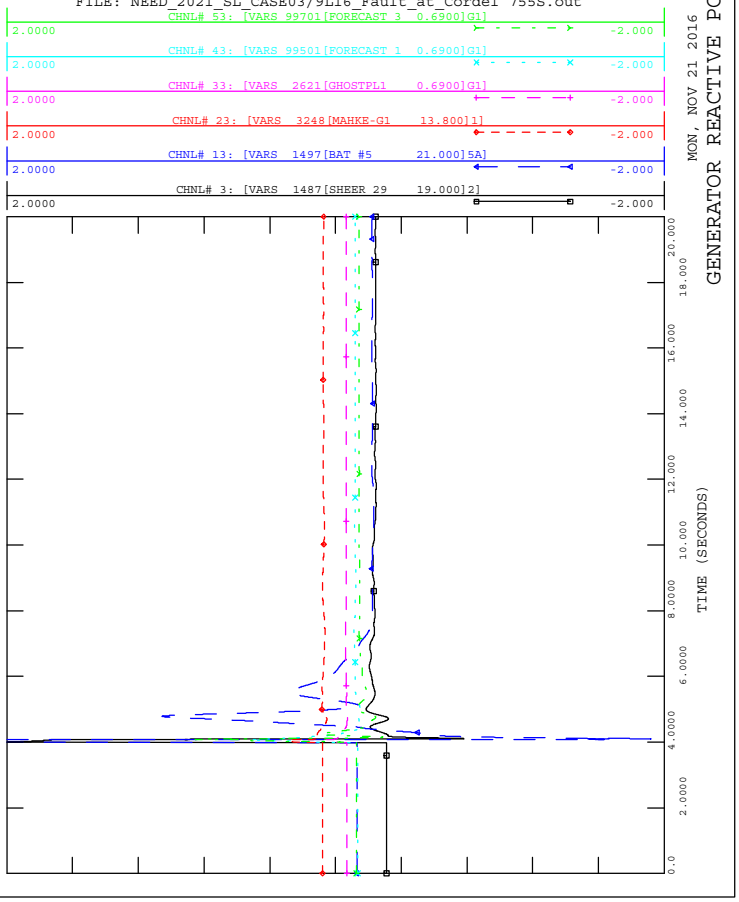
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:33
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out



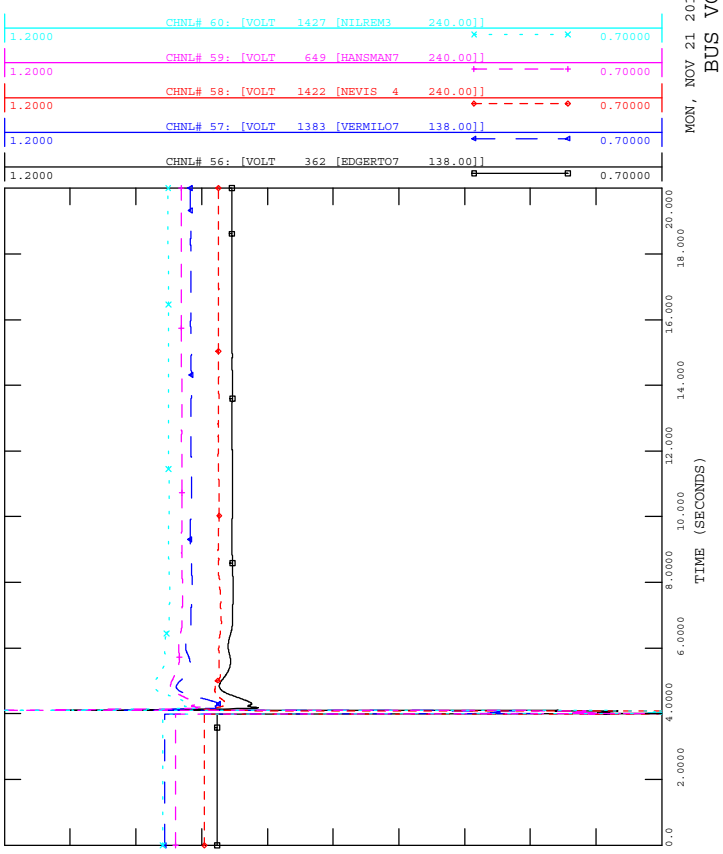
MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

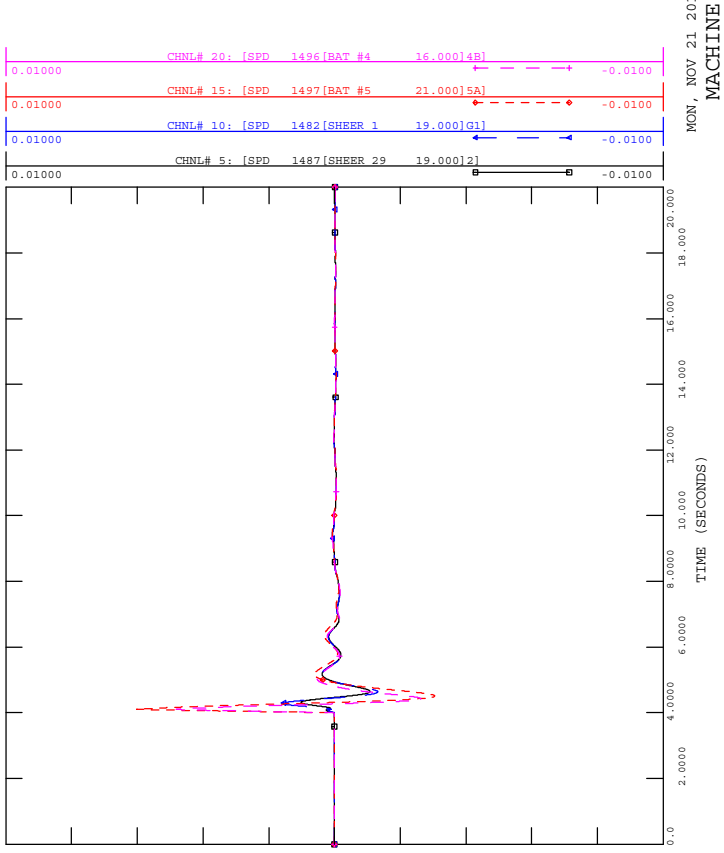


NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

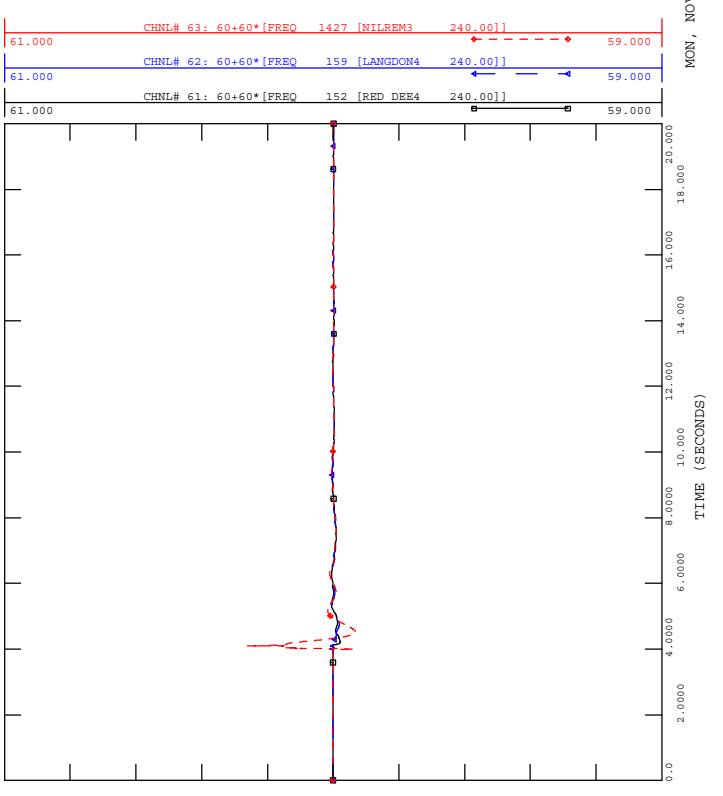


NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:33

FREQUENCY

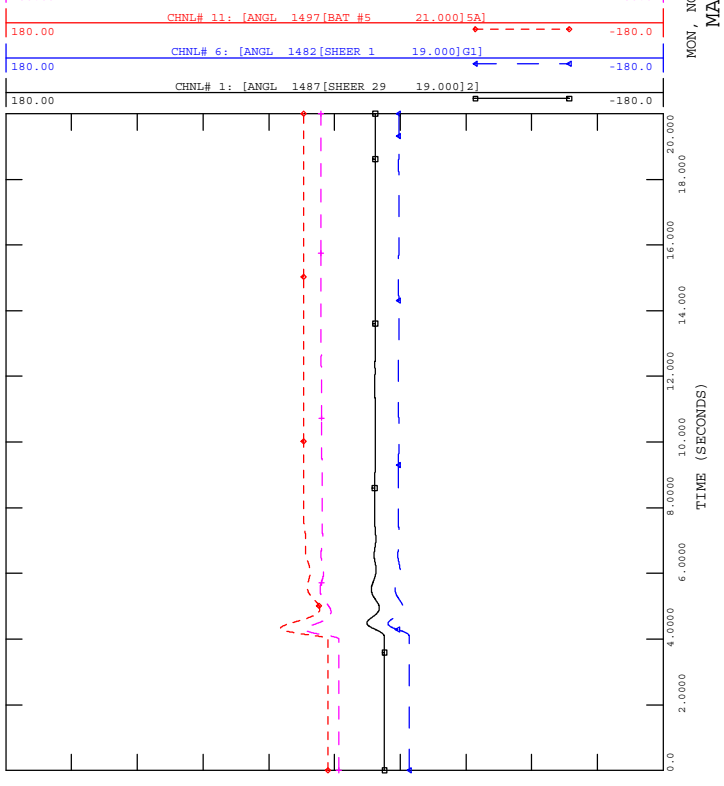


NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:33

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

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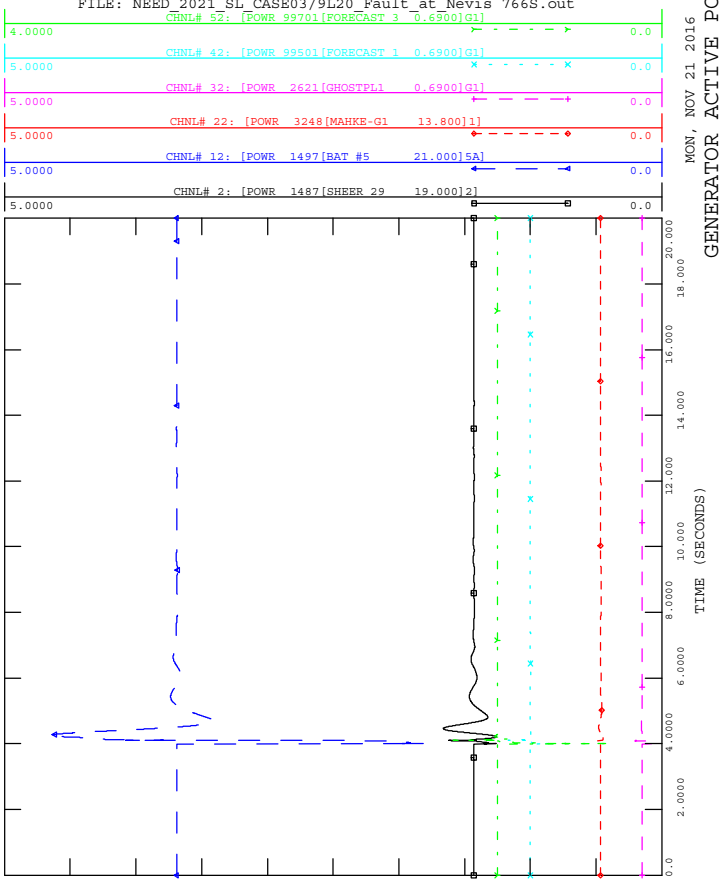
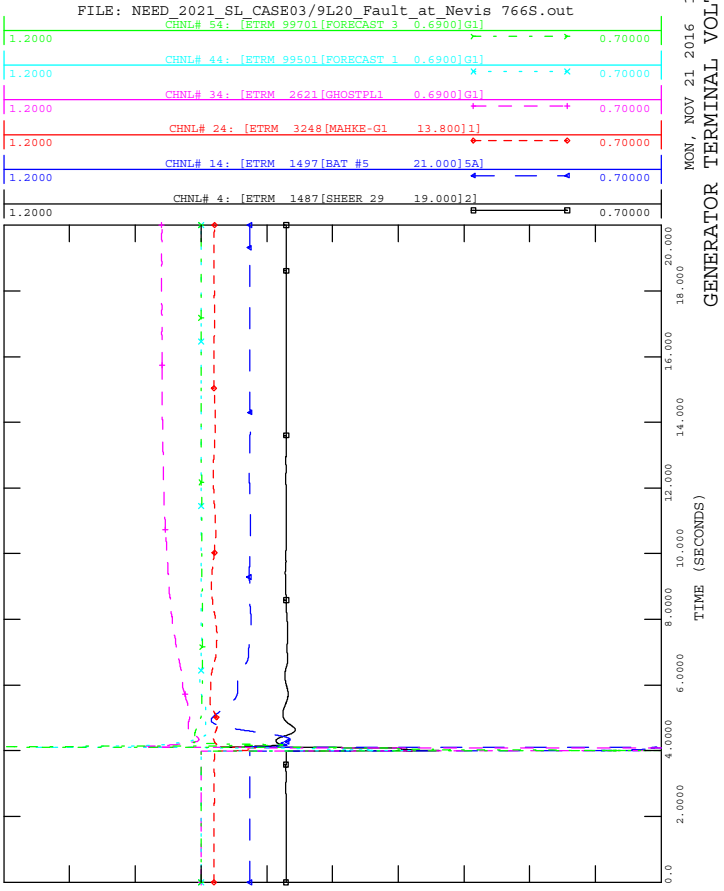


MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

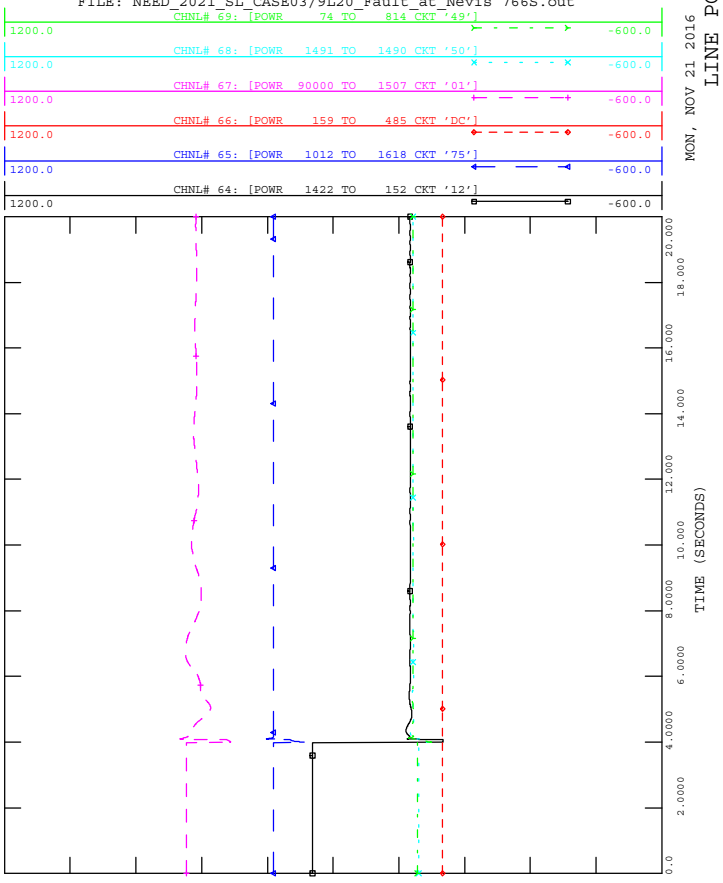
FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out



MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

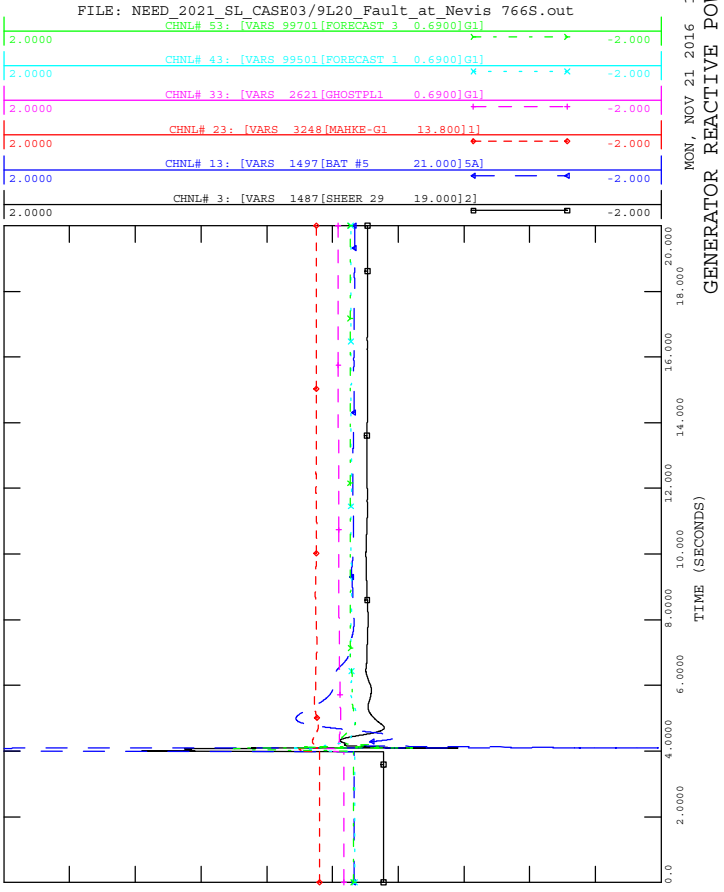
FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out



MON, NOV 21 2016 13:33
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out



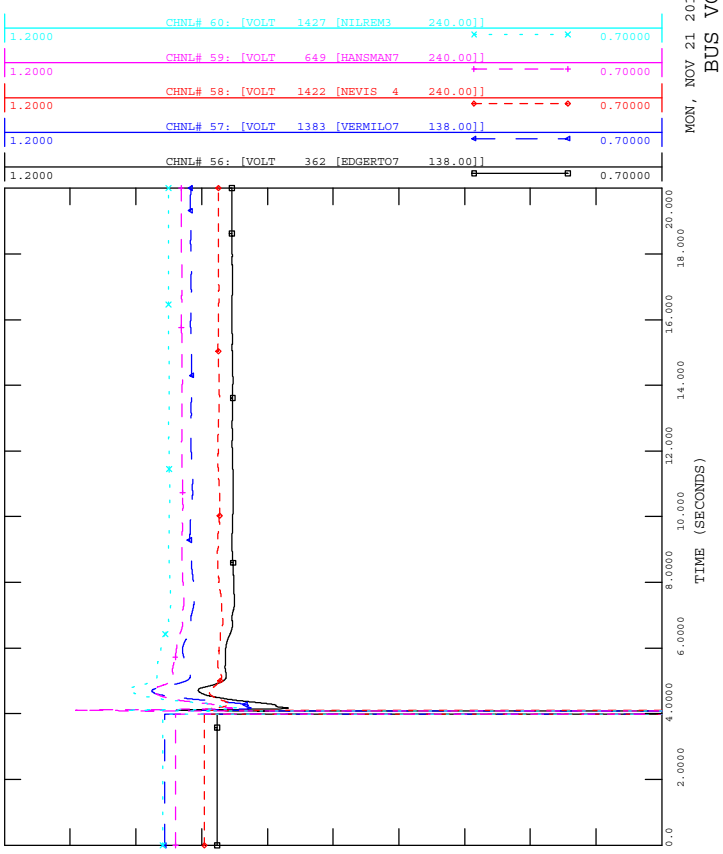
MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

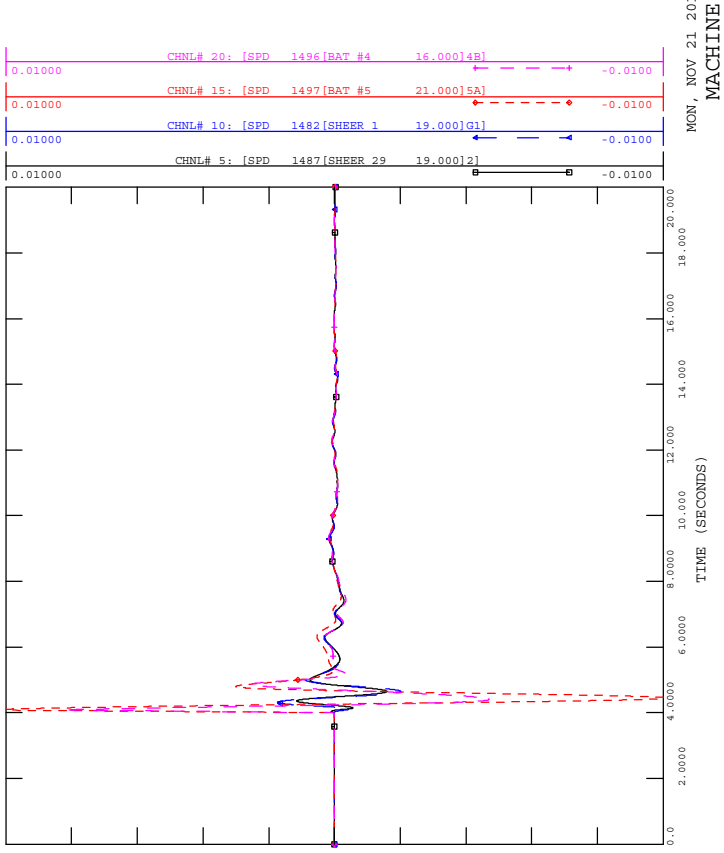


NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

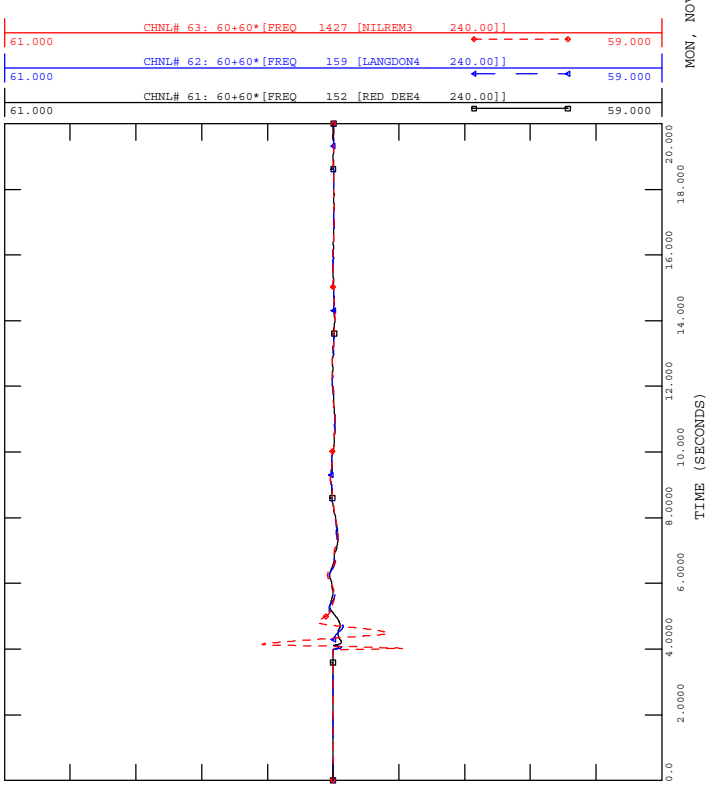


NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:33

FREQUENCY

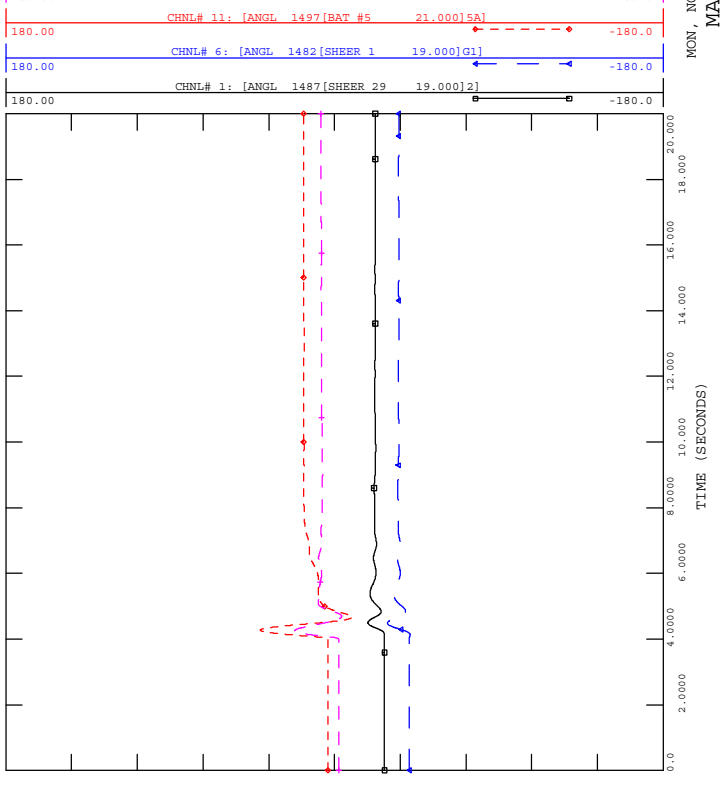


NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:33

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

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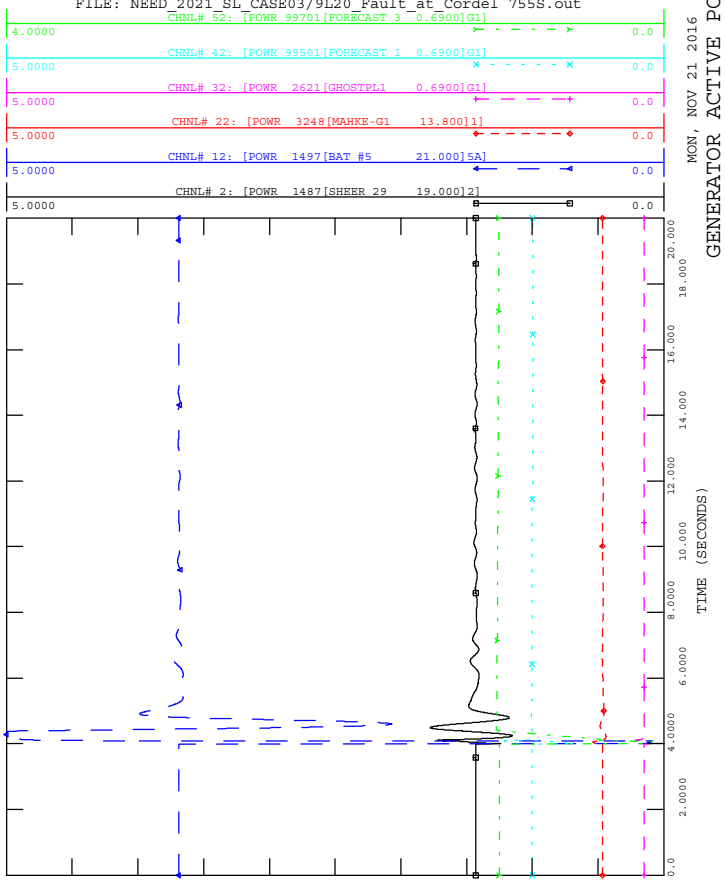
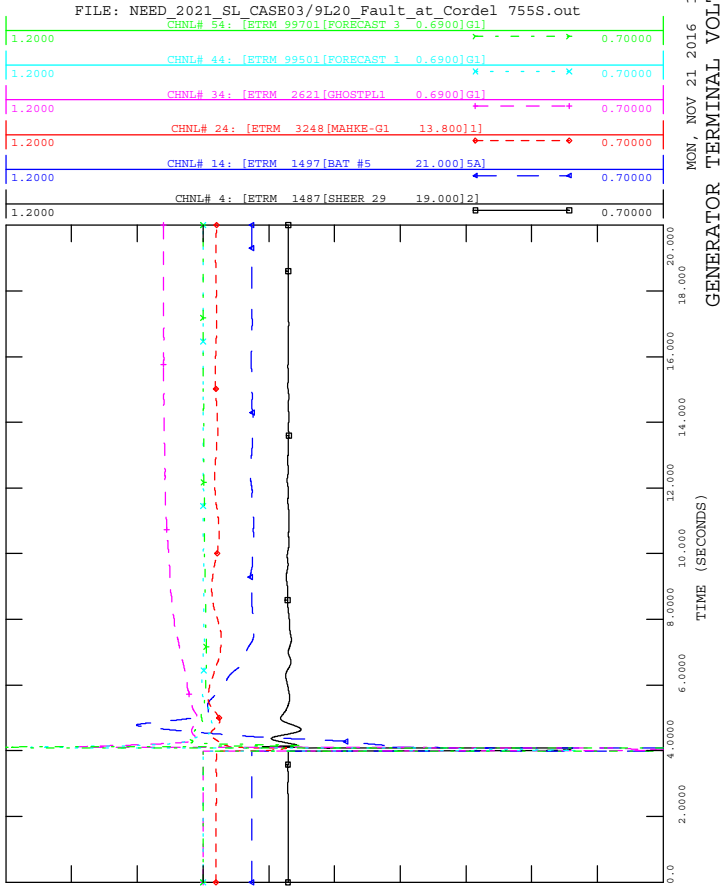


MON, NOV 21 2016 13:33

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out

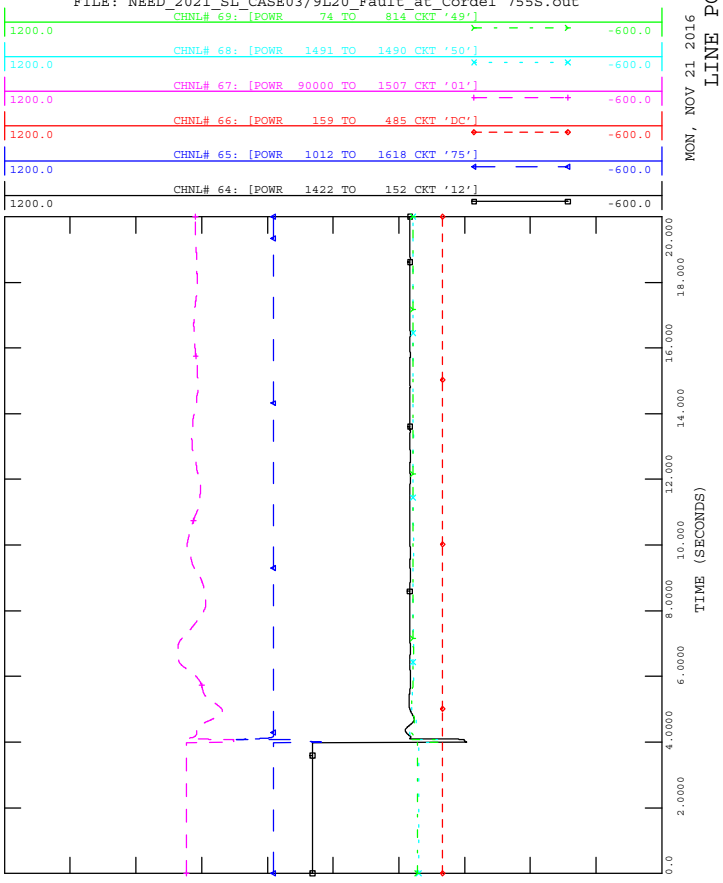


MON, NOV 21 2016 13:33

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out

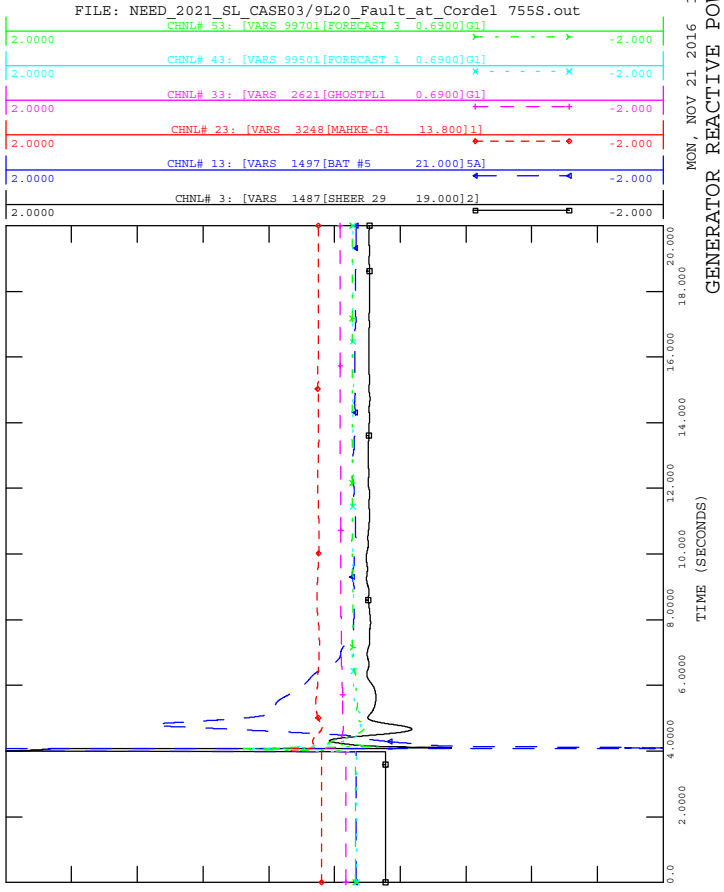


MON, NOV 21 2016 13:33

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:33

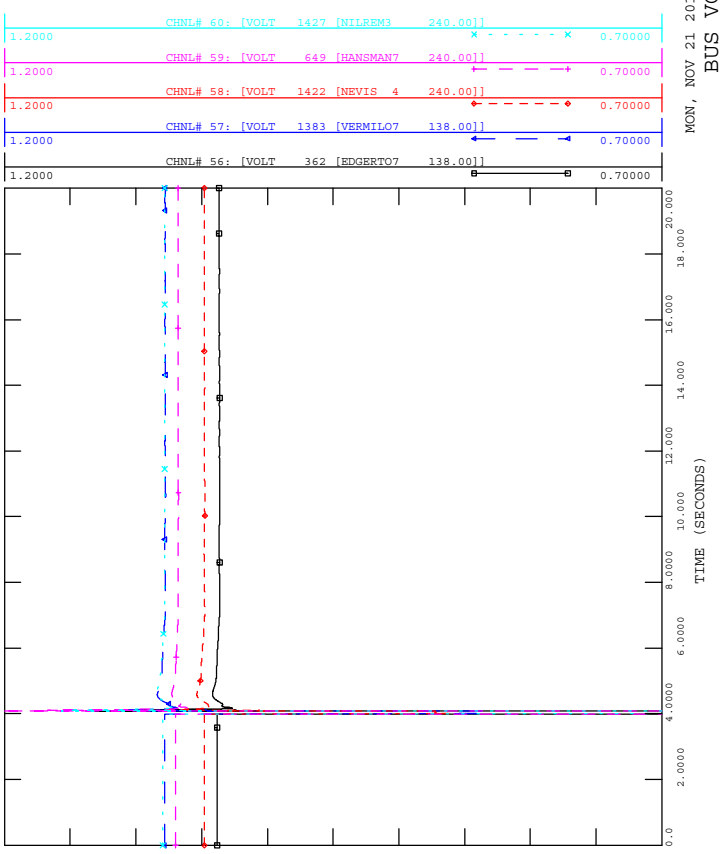
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

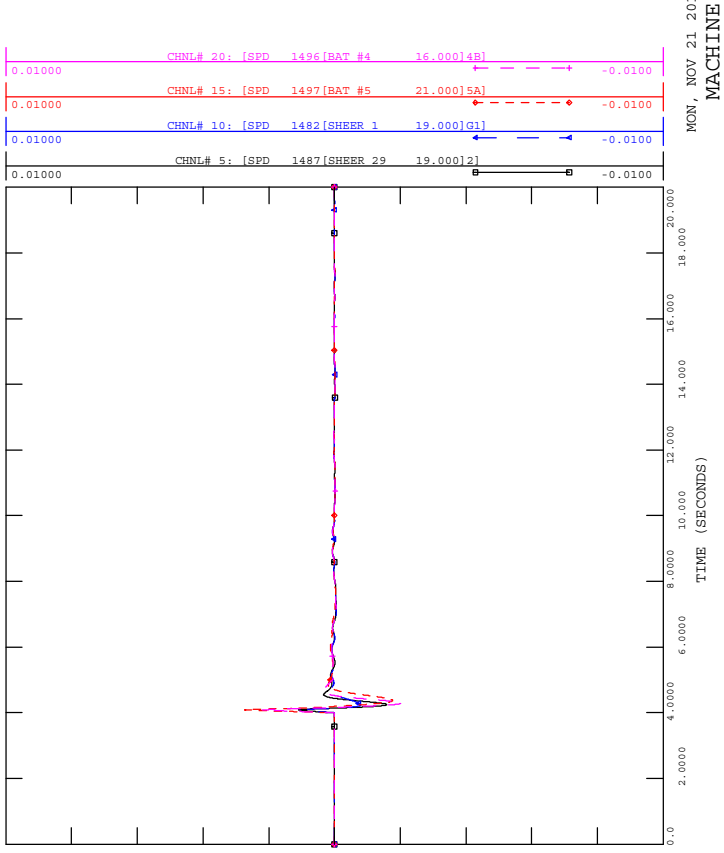


NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

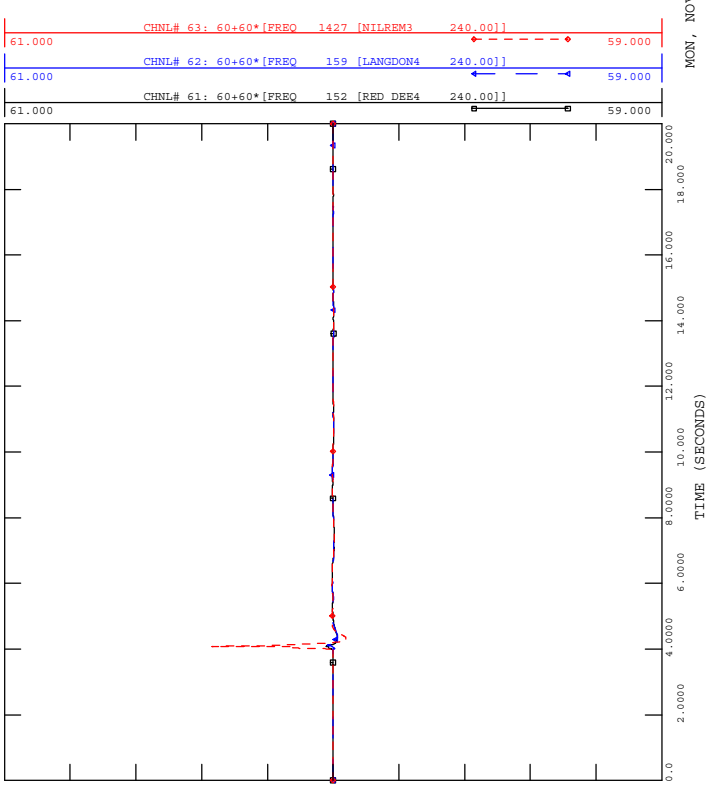


NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 13:33

FREQUENCY

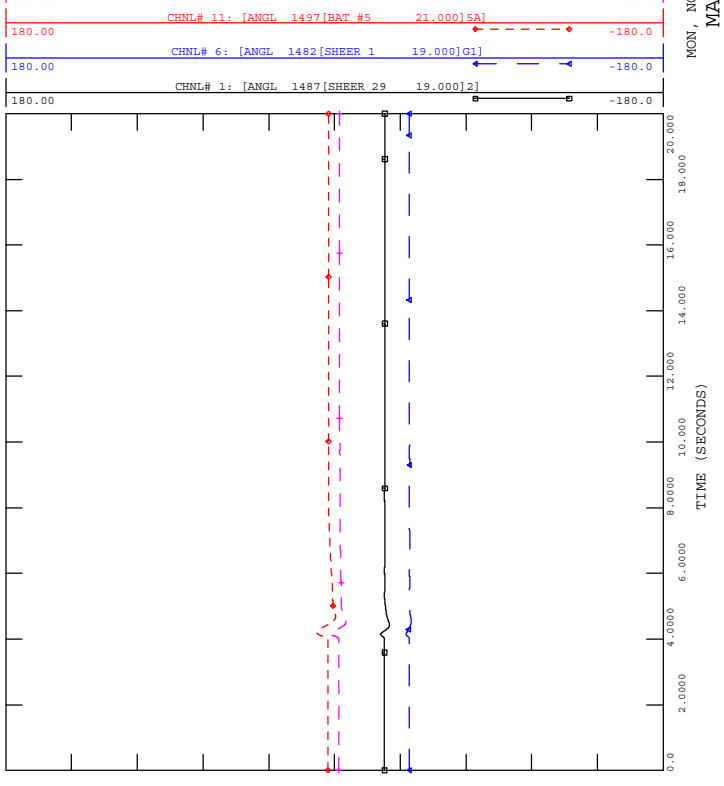


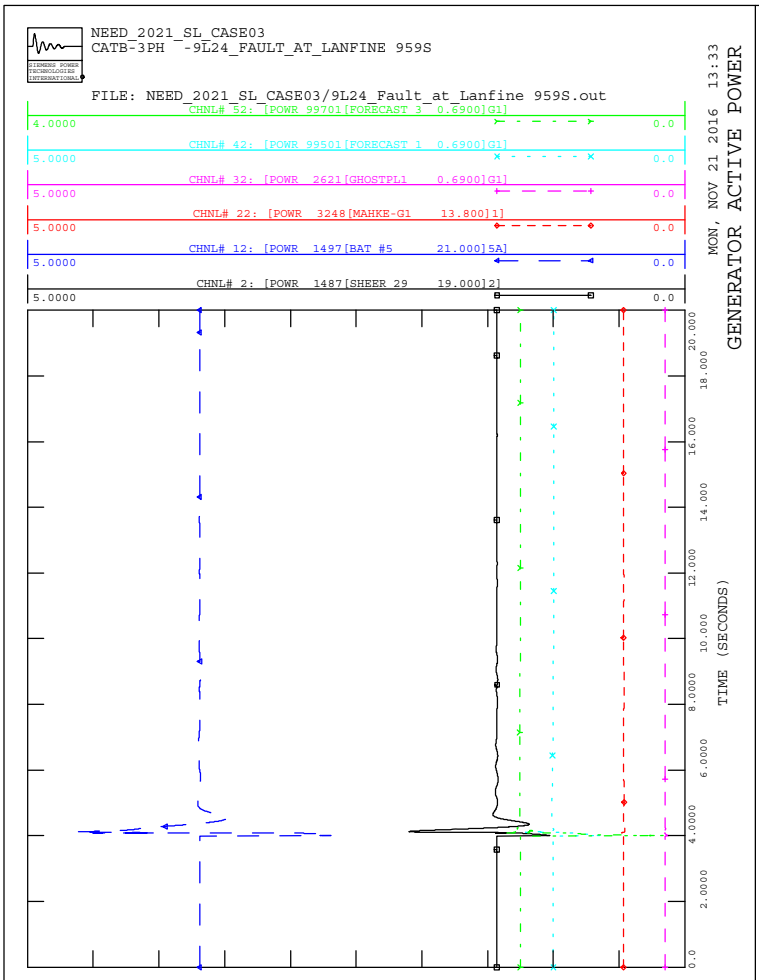
NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

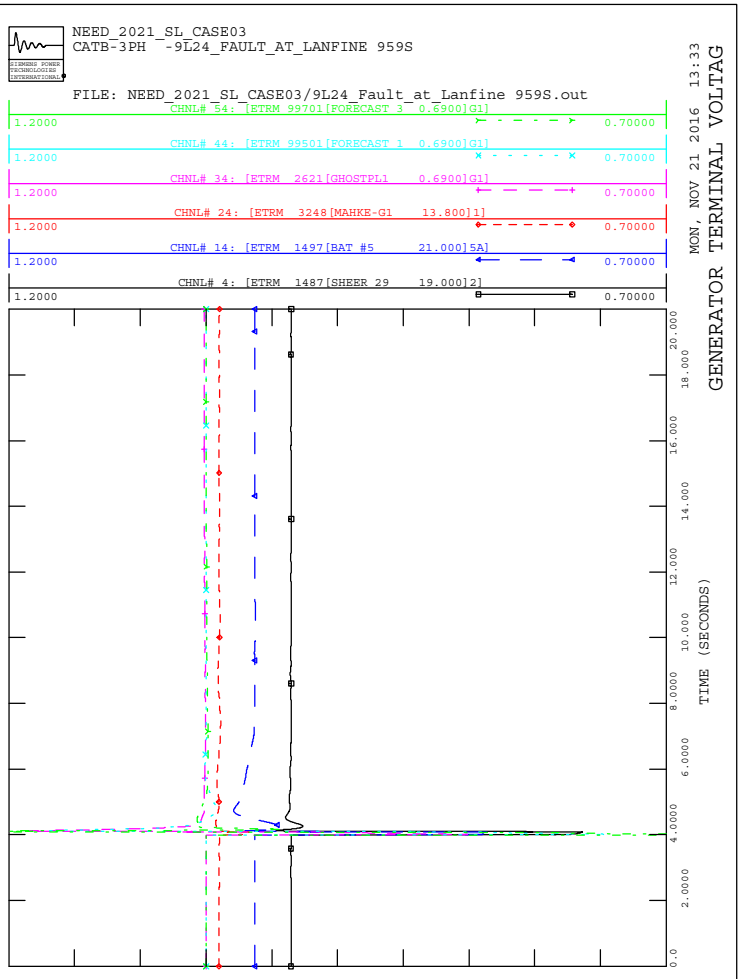
FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out

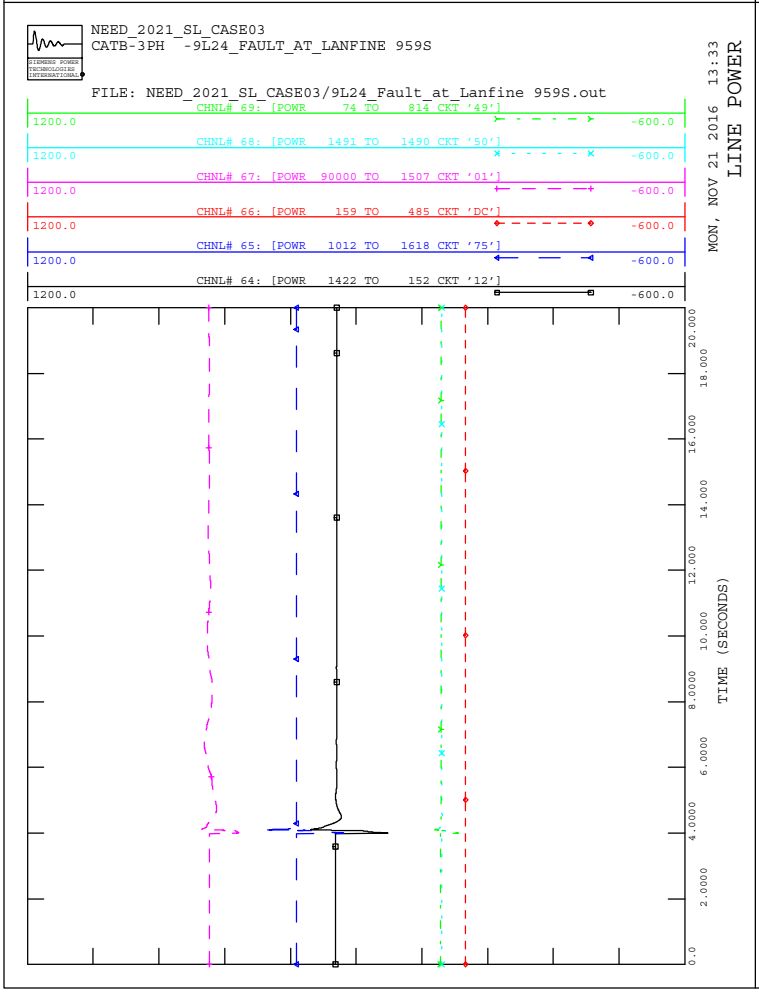
MON, NOV 21 2016 13:33

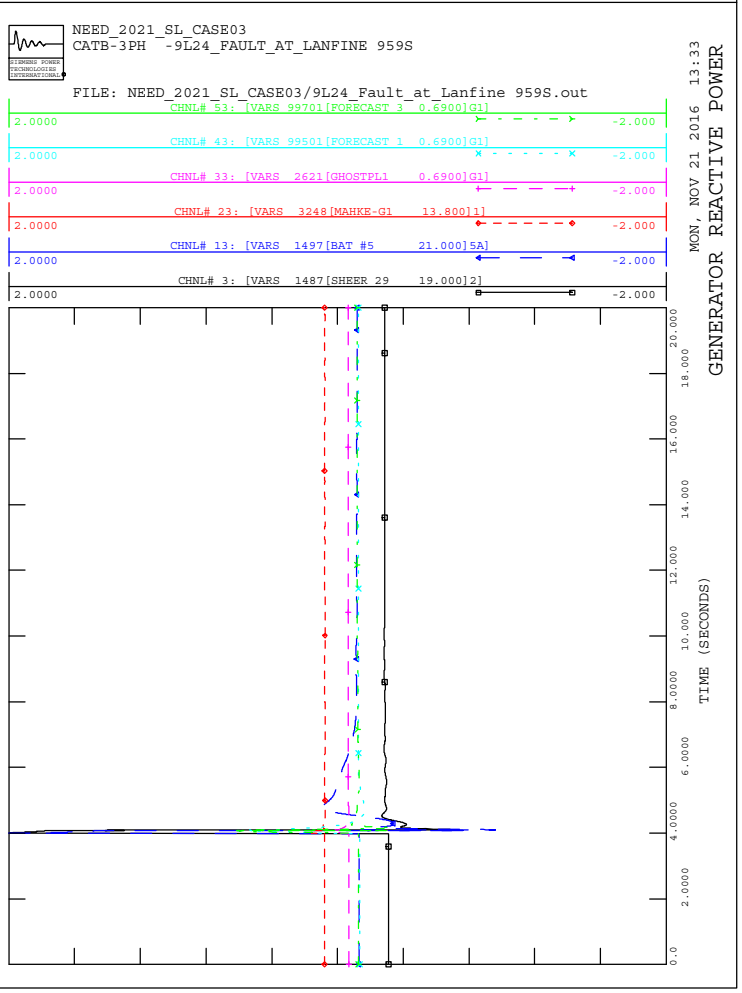
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:33
LINE POWER
TIME (SECONDS)

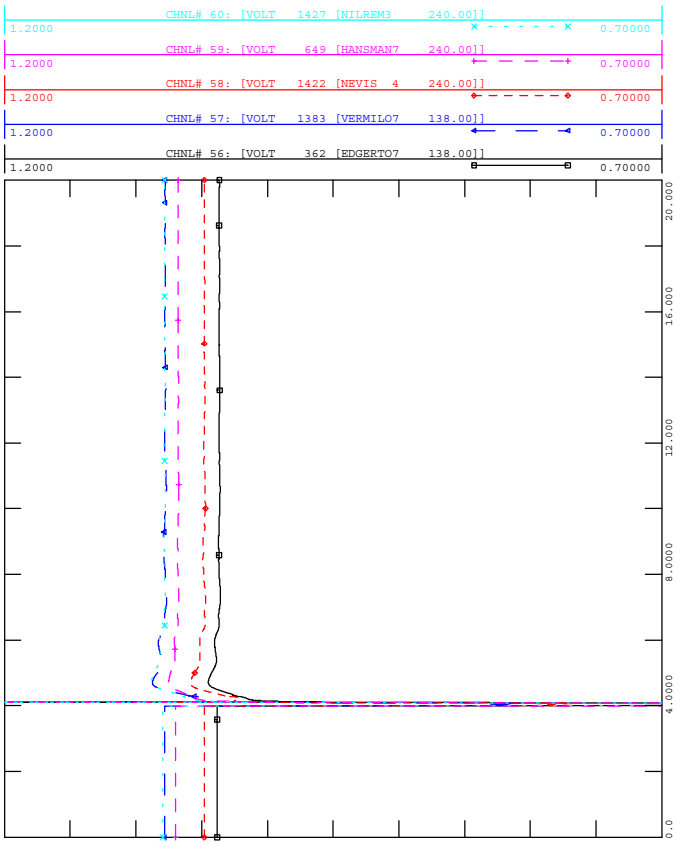

NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

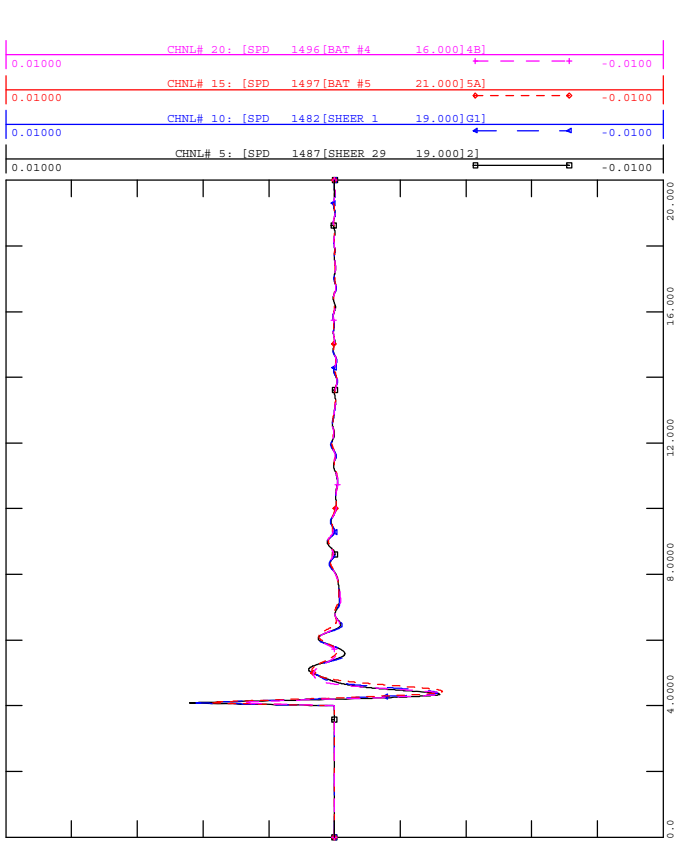


NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

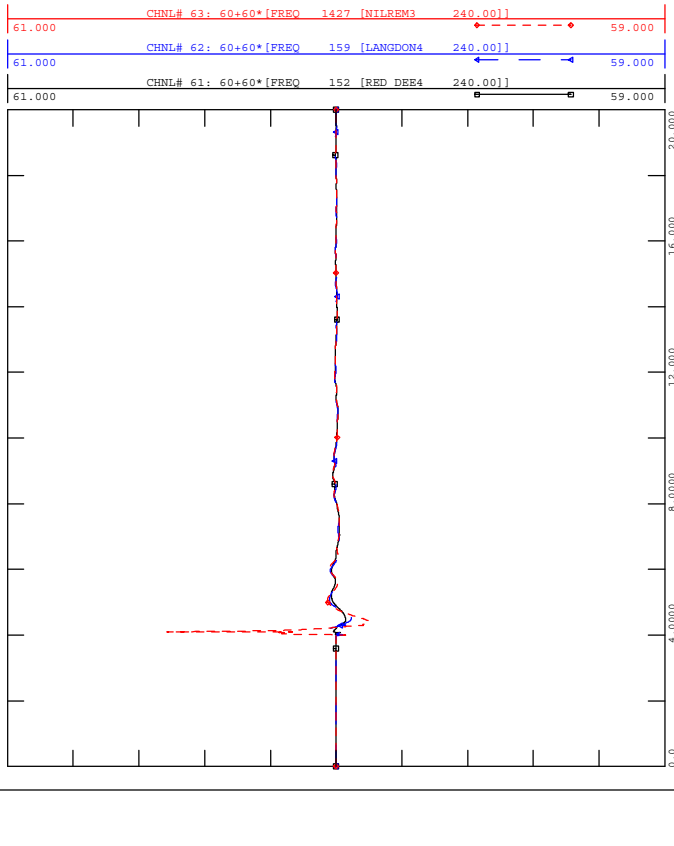


NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:33

FREQUENCY

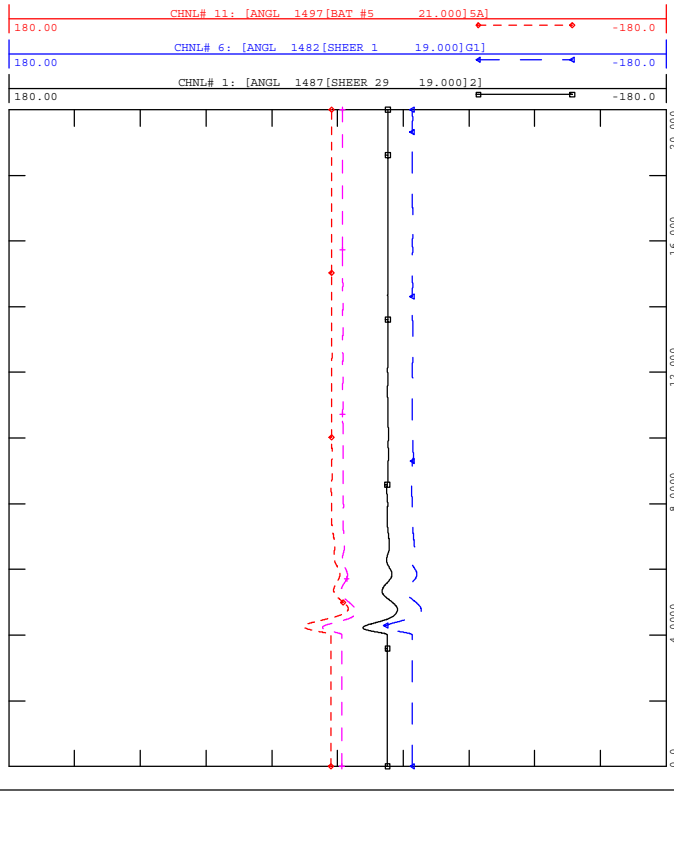


NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out

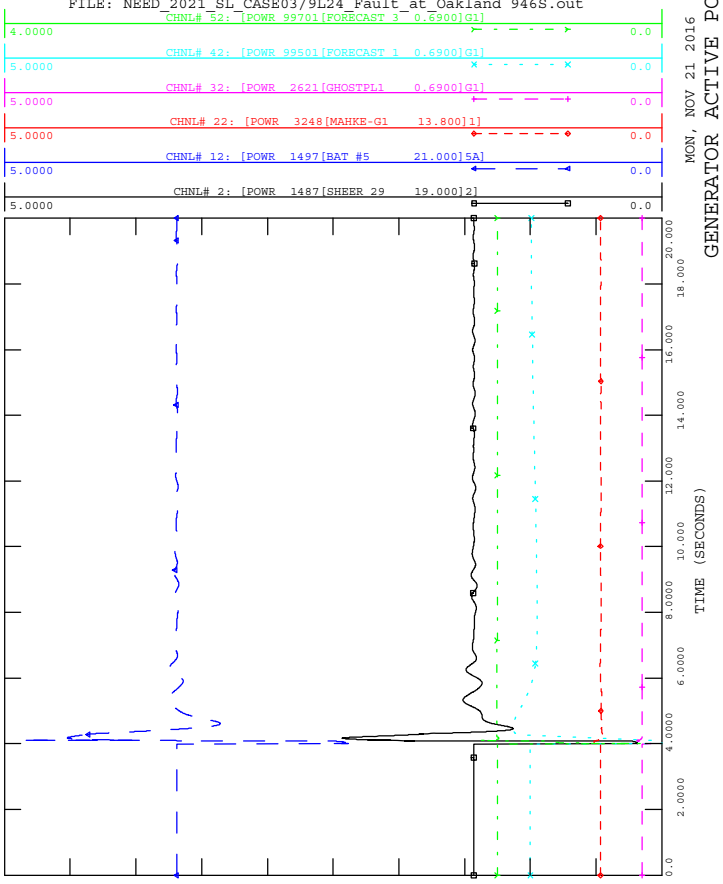
MON, NOV 21 2016 13:33

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

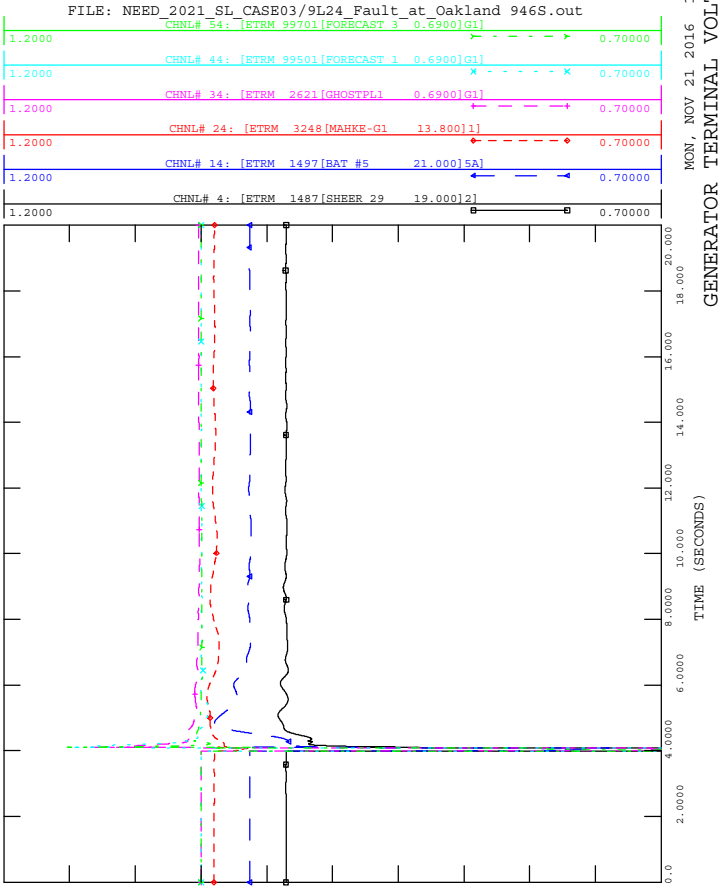
FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out



MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

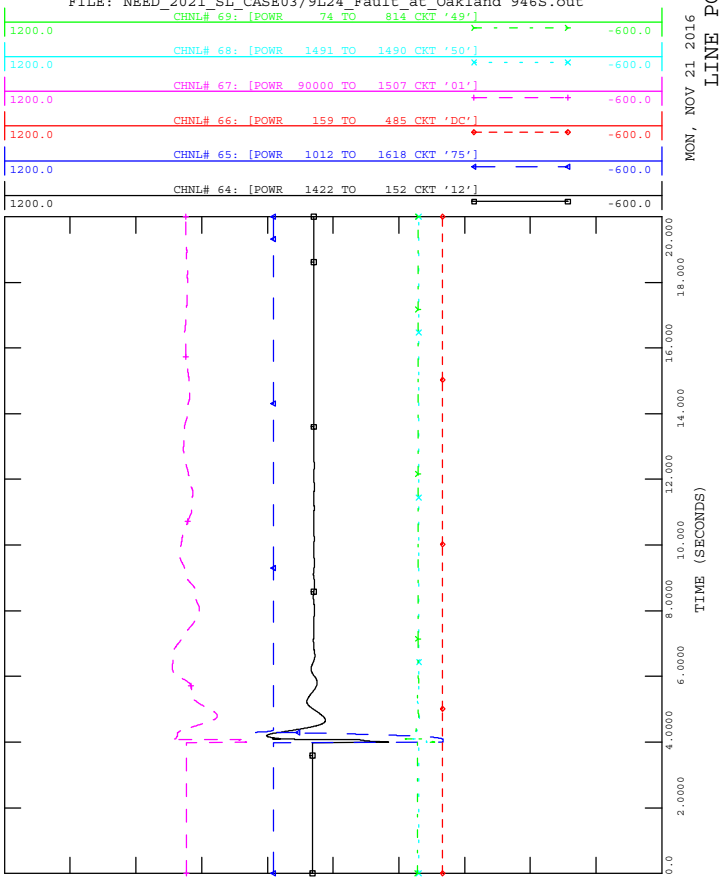
FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out



MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

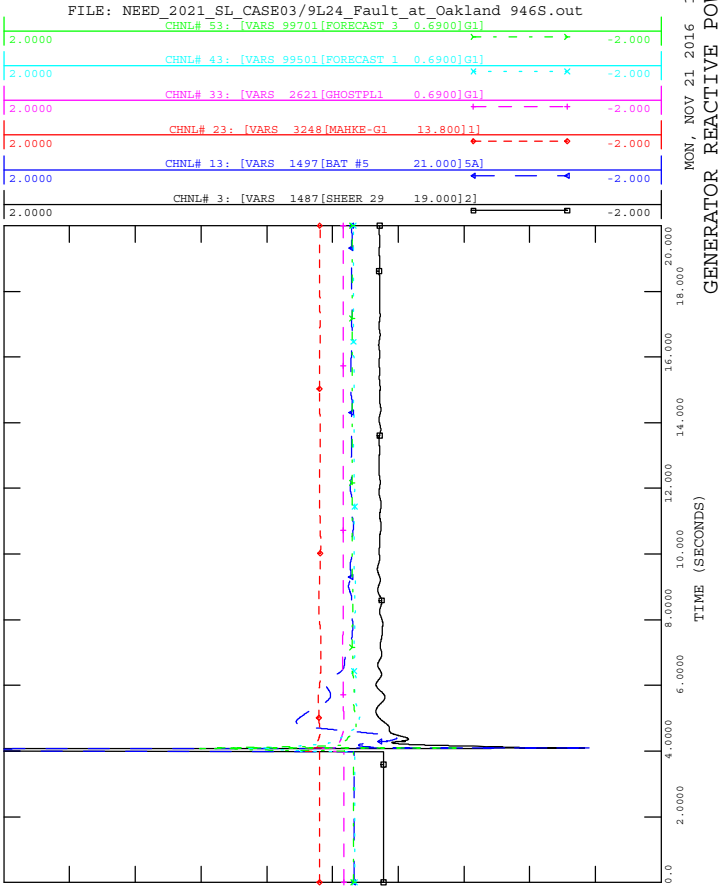
FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out



MON, NOV 21 2016 13:33
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out



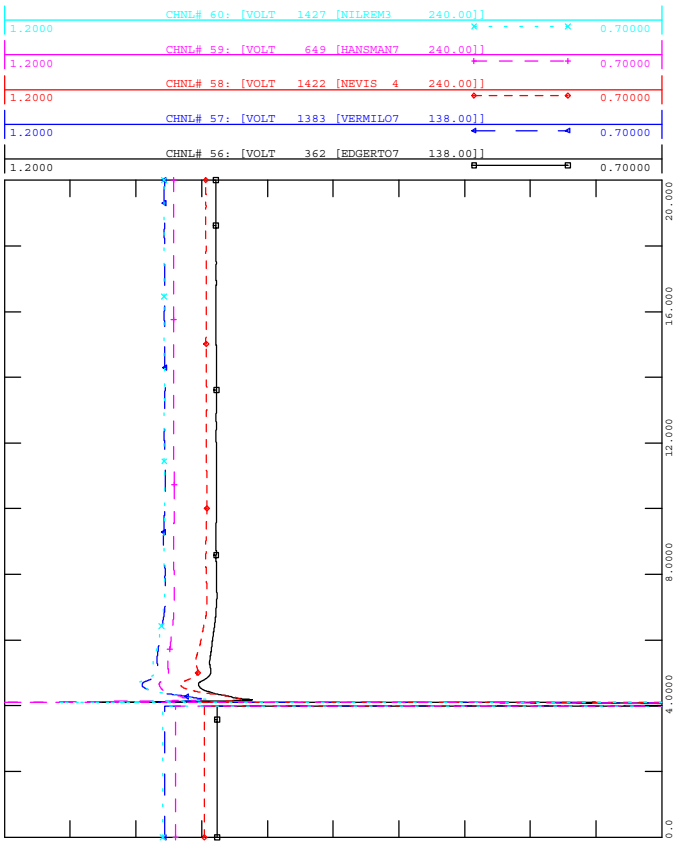
MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

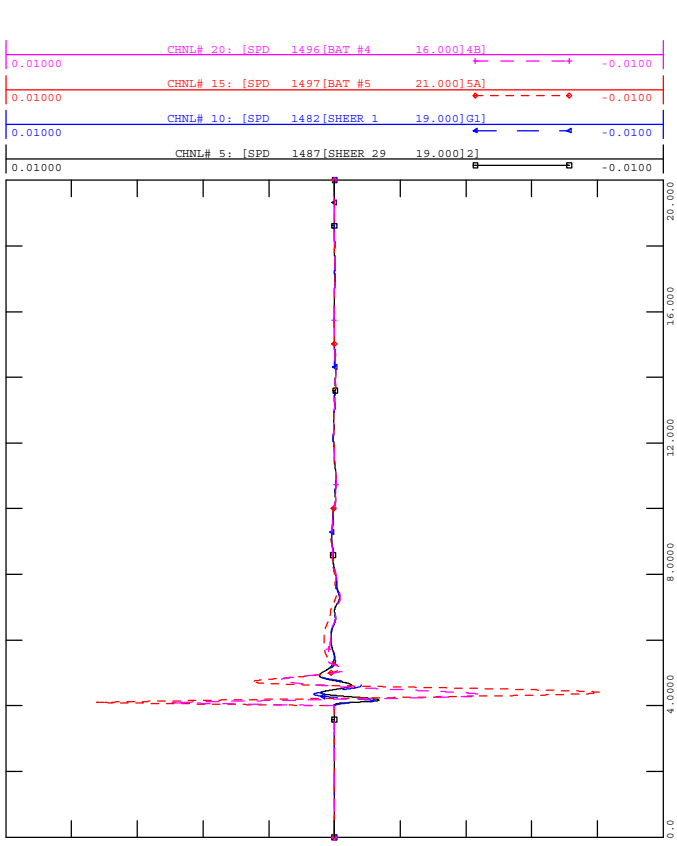


NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

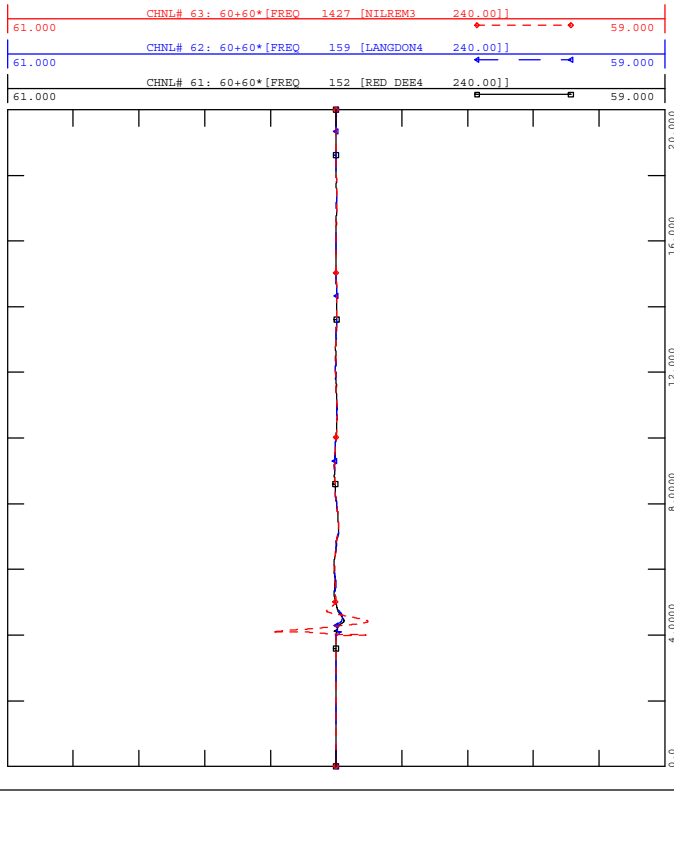


NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 13:33

FREQUENCY

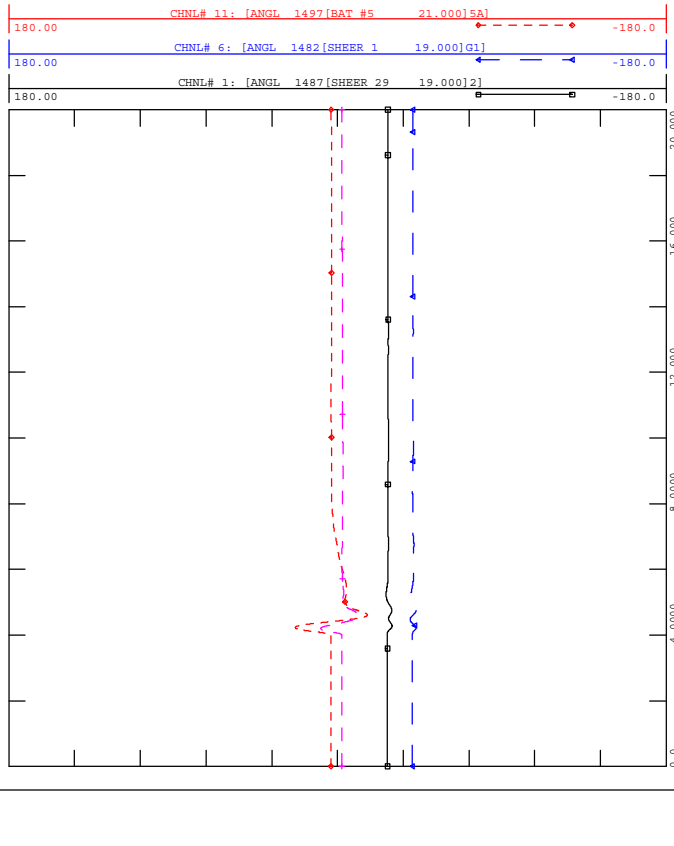


NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out

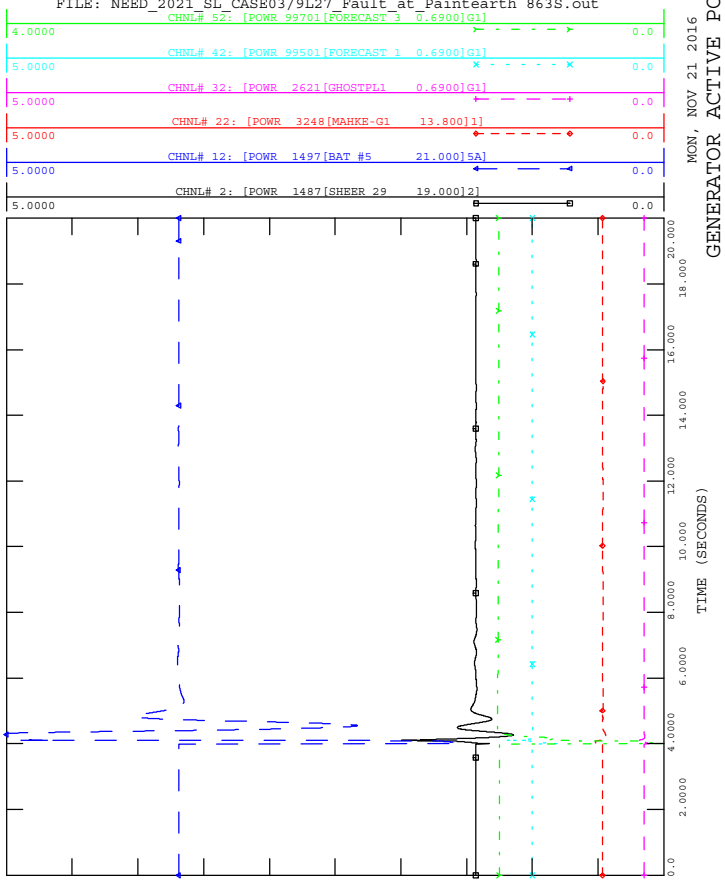
MON, NOV 21 2016 13:33

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

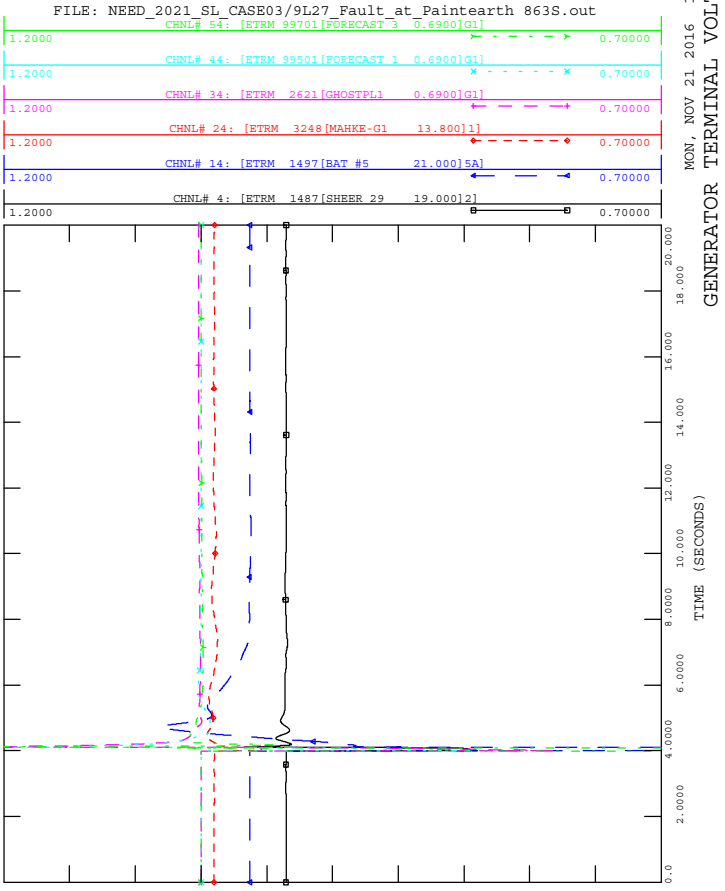
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

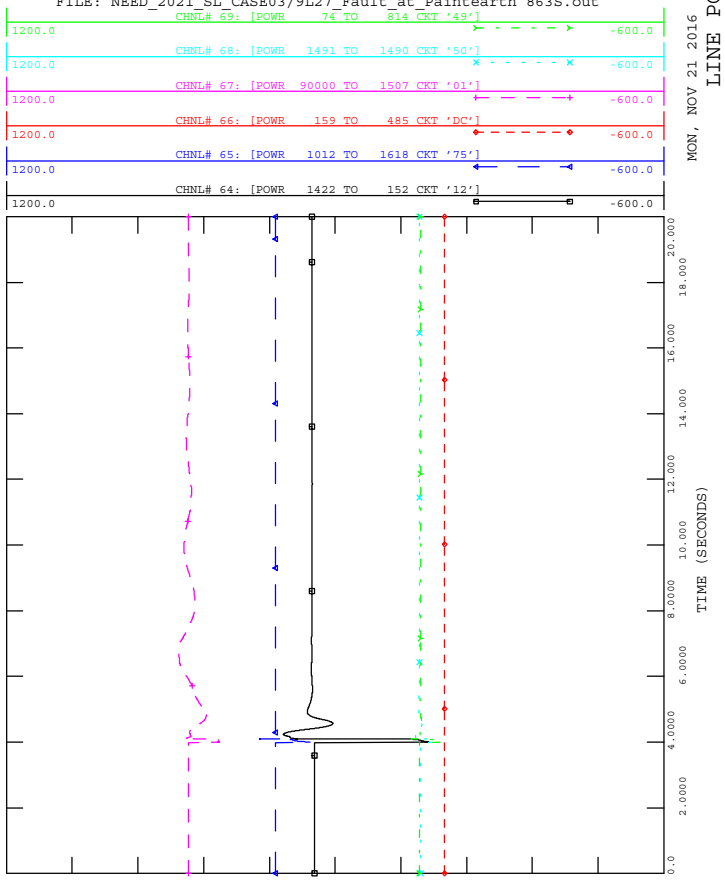
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

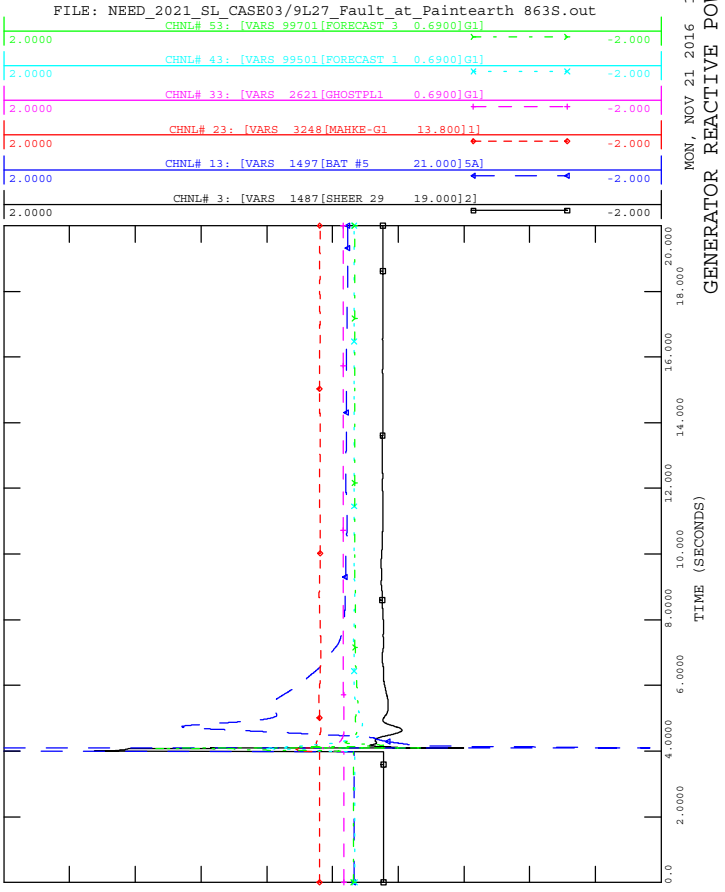
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 13:33
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out



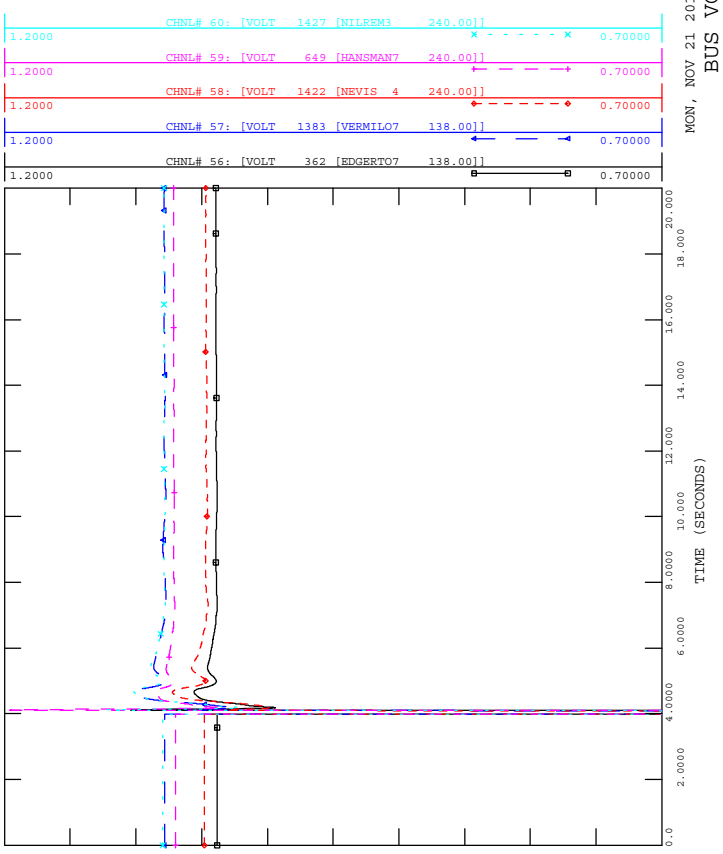
MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

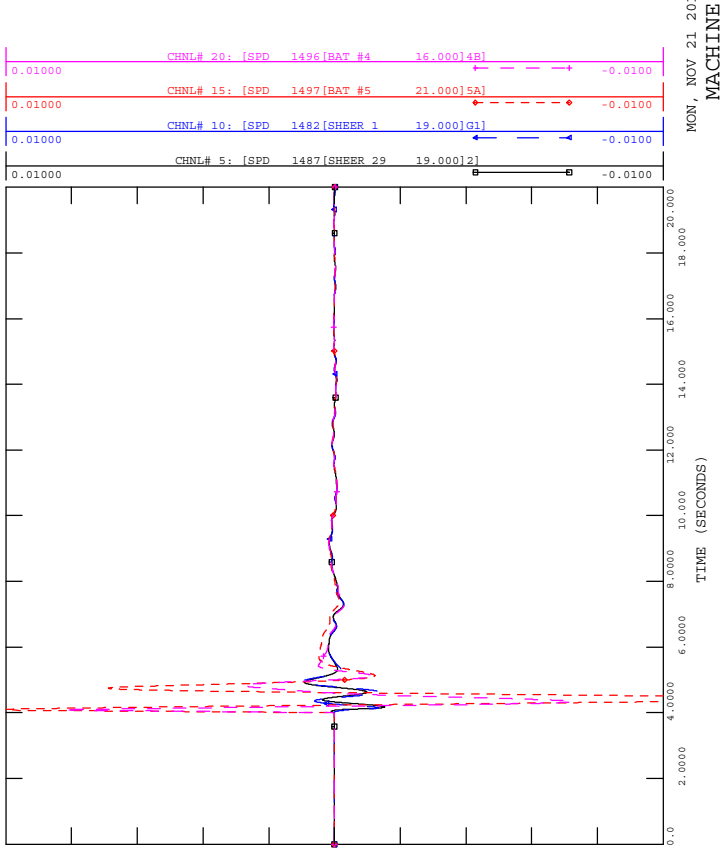


NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:33

MACHINE SPEED



NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out

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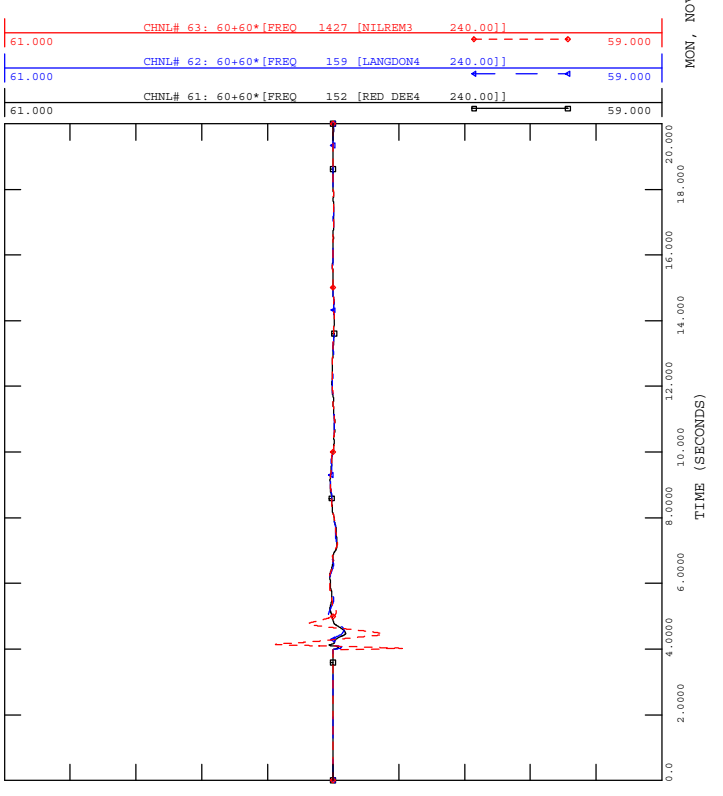
FREQUENCY

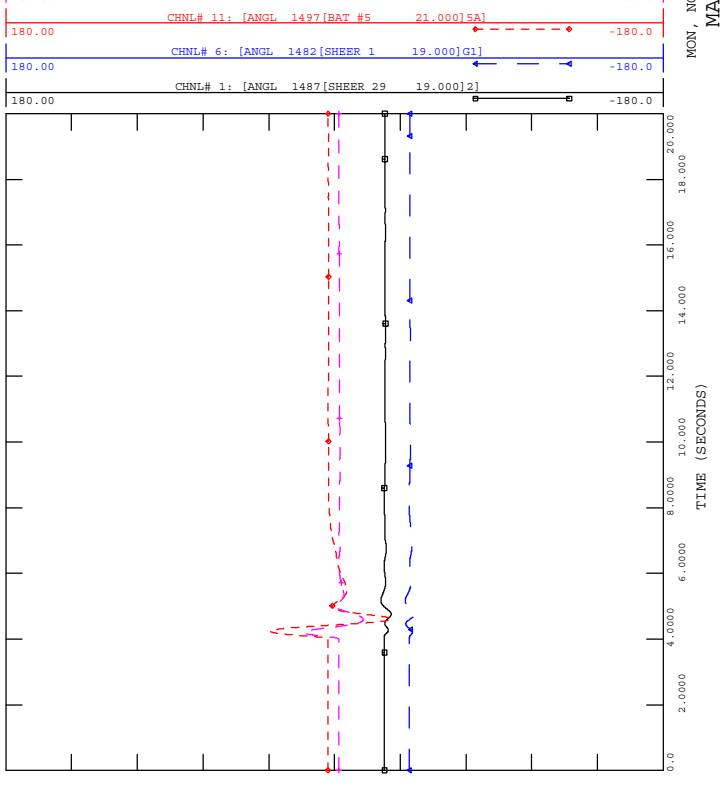


NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out

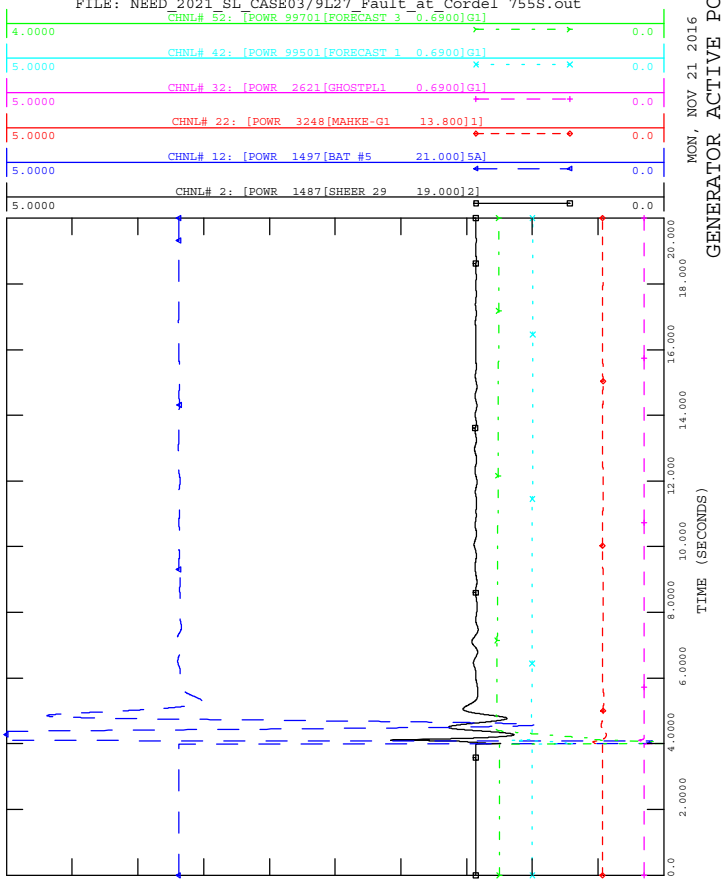
MON, NOV 21 2016 13:33

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

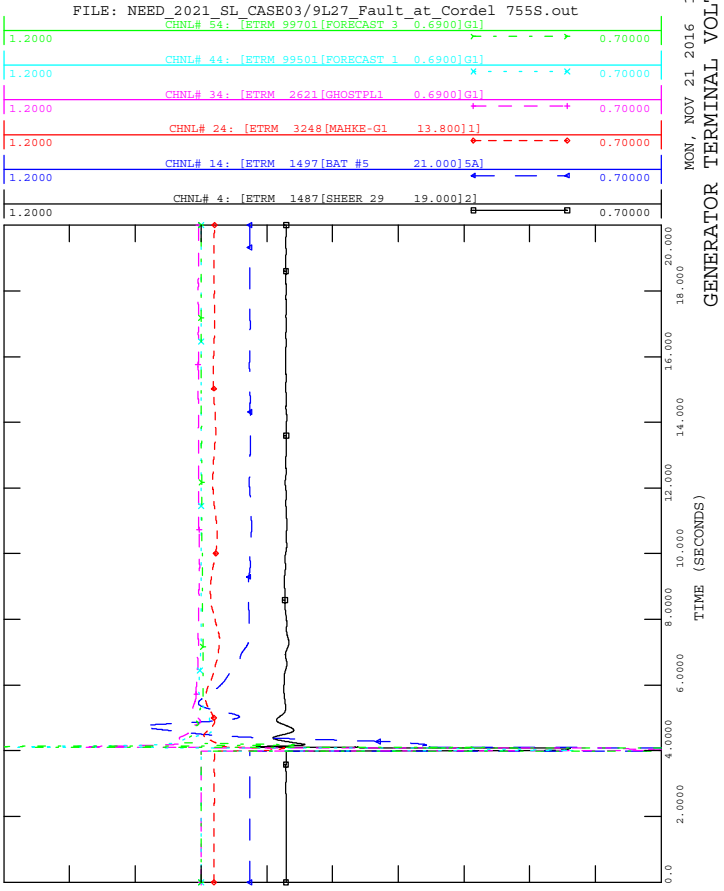
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

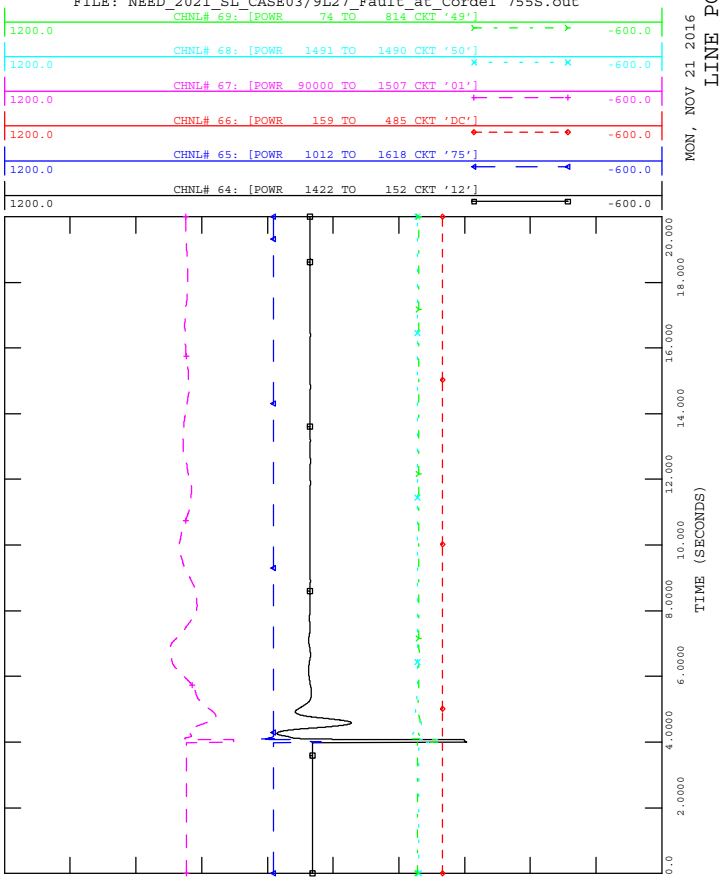
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

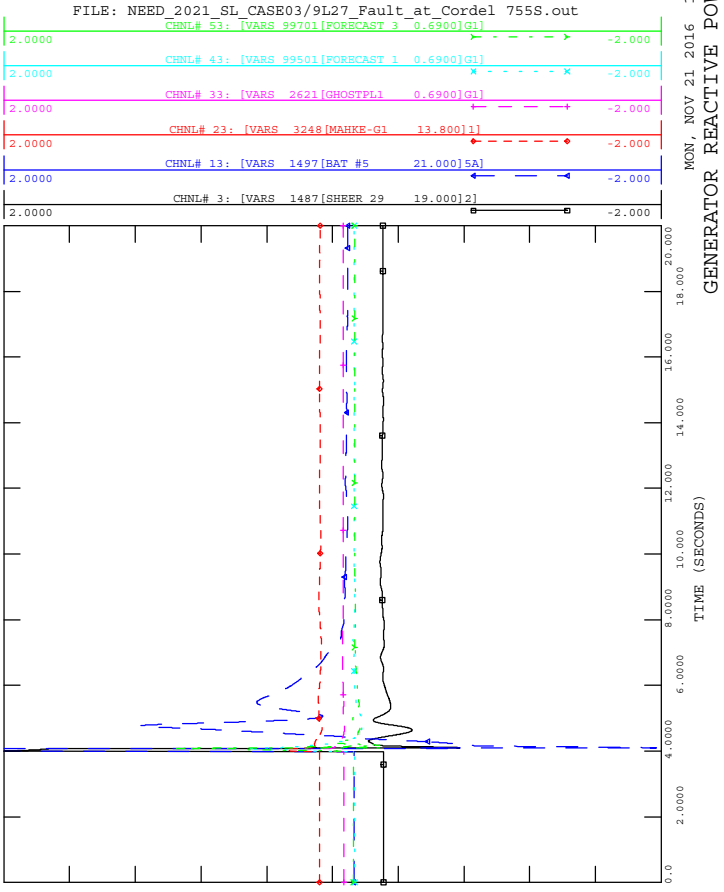
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:33
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out



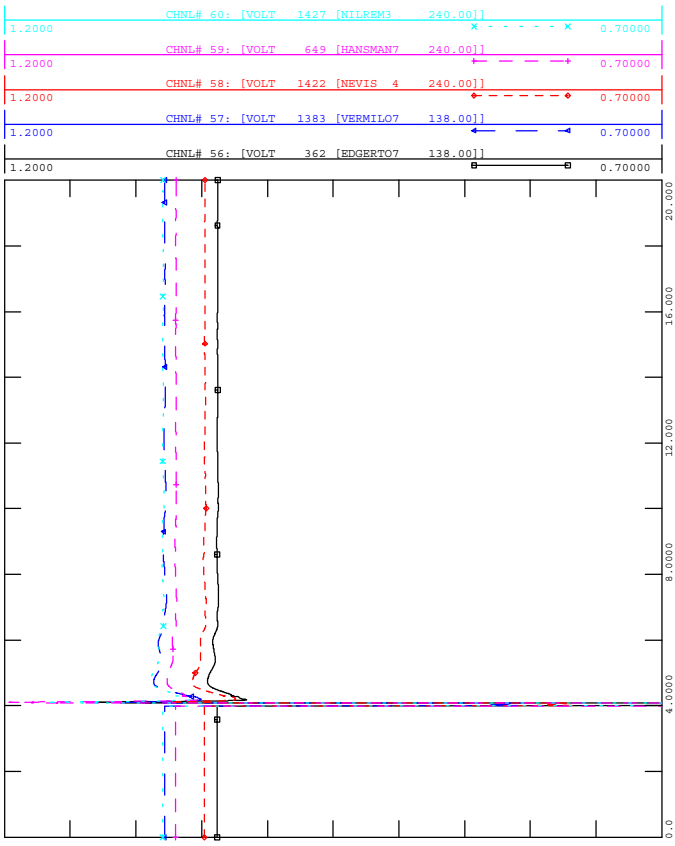
MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

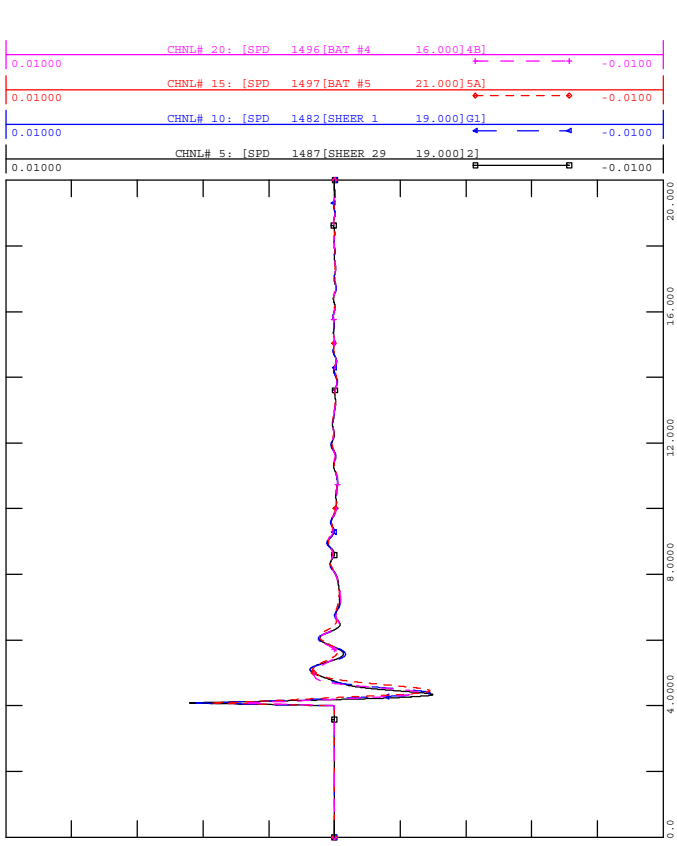


NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

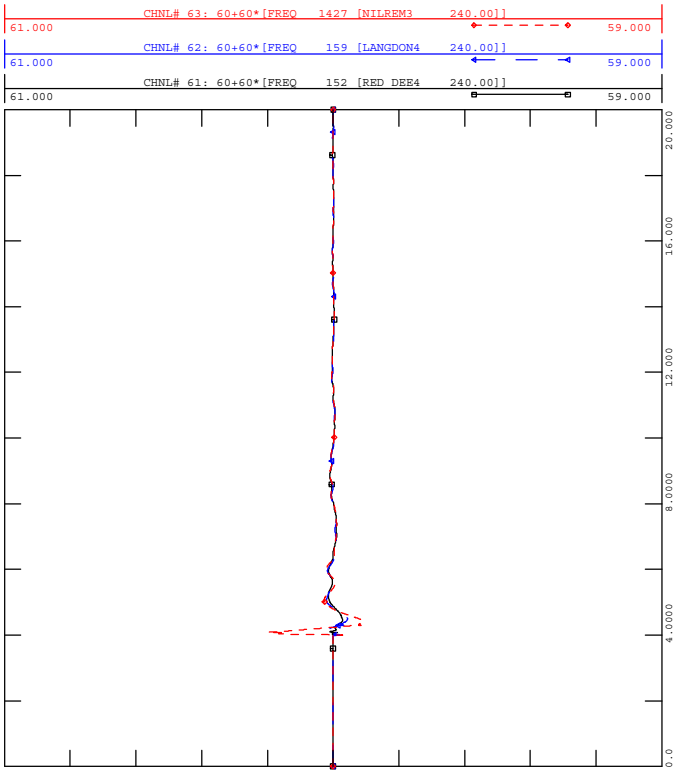


NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:33

FREQUENCY

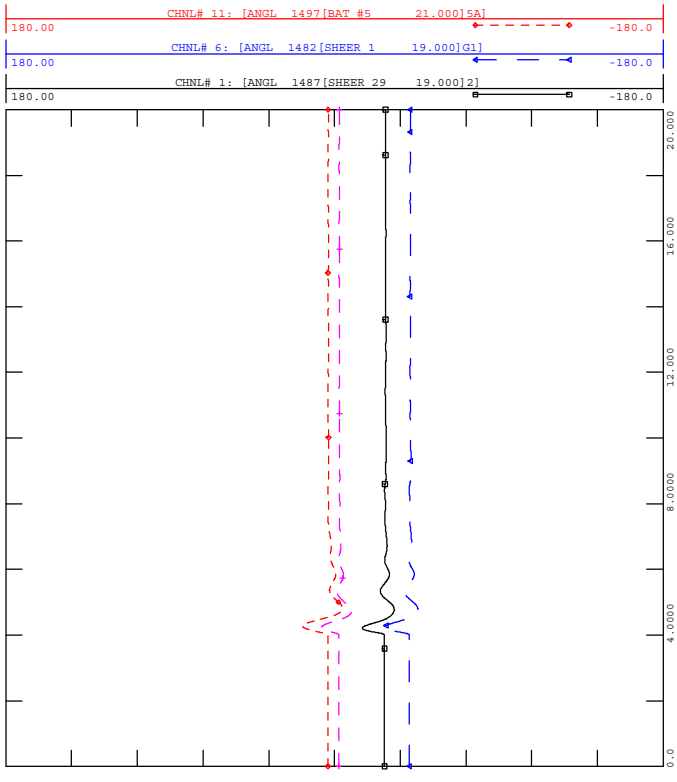


NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out

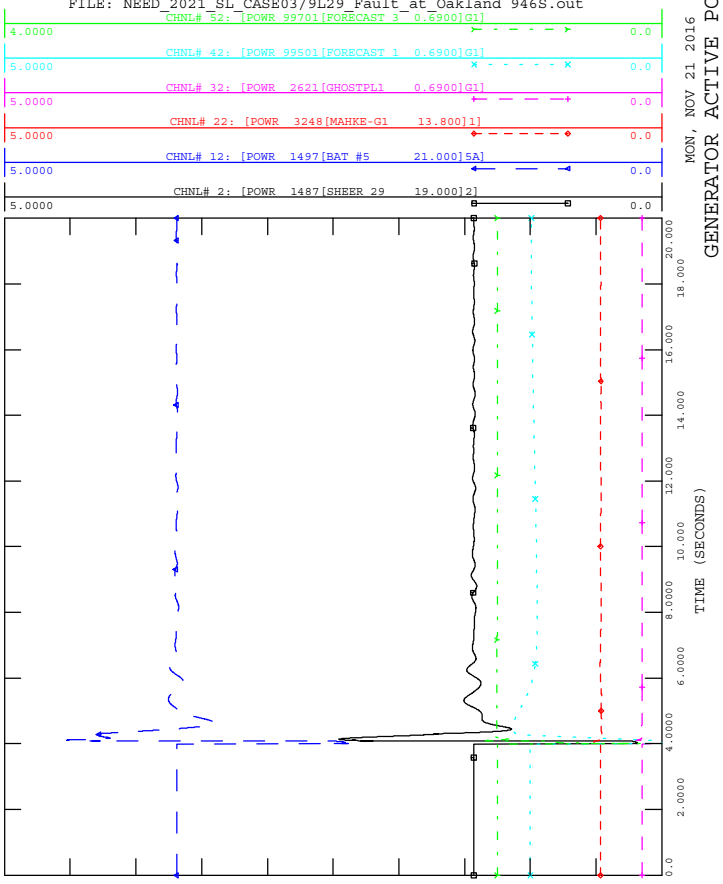
MON, NOV 21 2016 13:33

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out

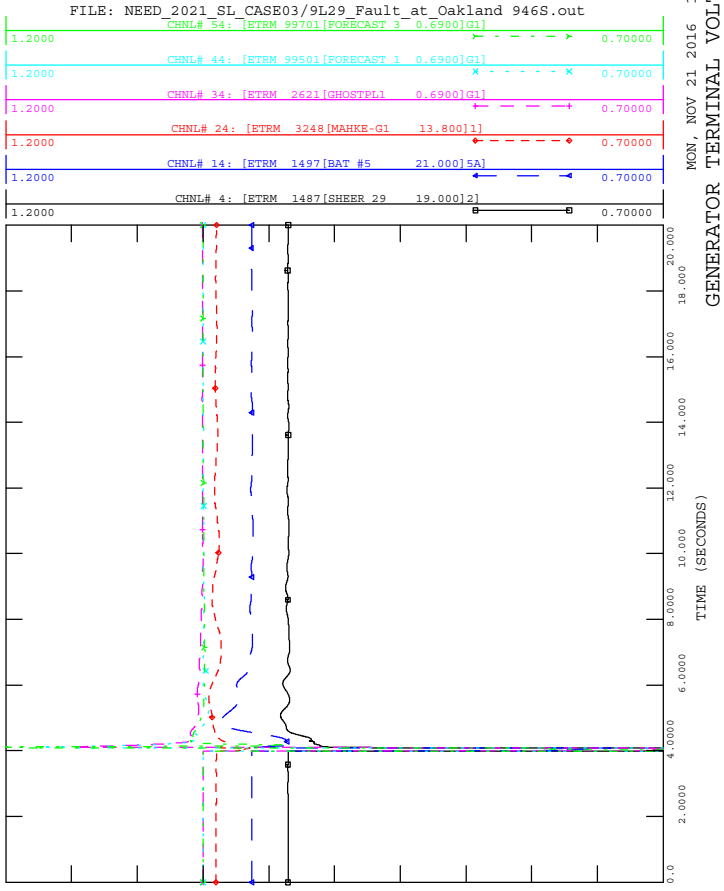


MON, NOV 21 2016 13:33

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out



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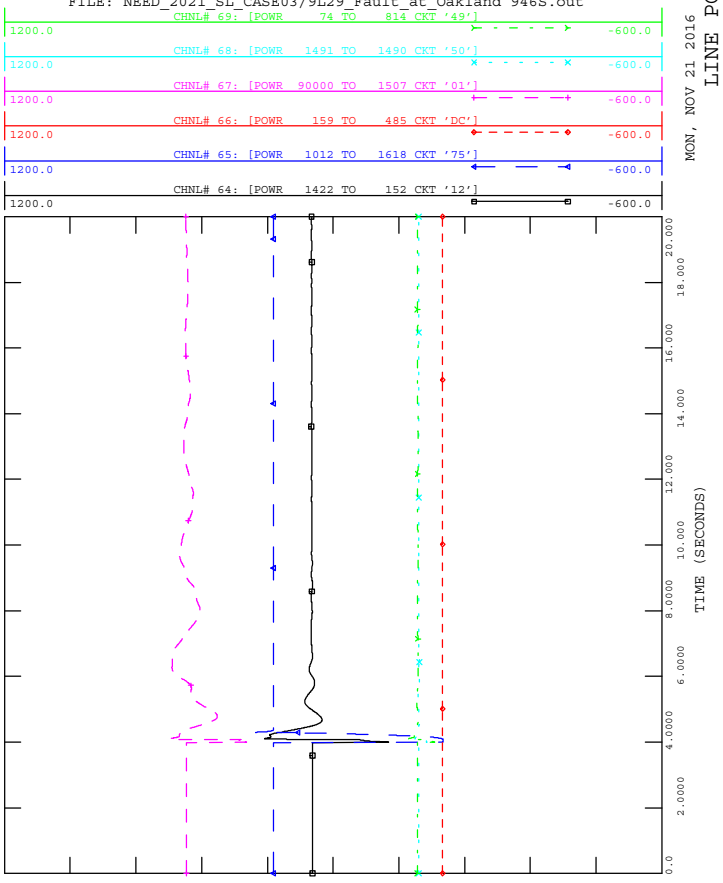
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out



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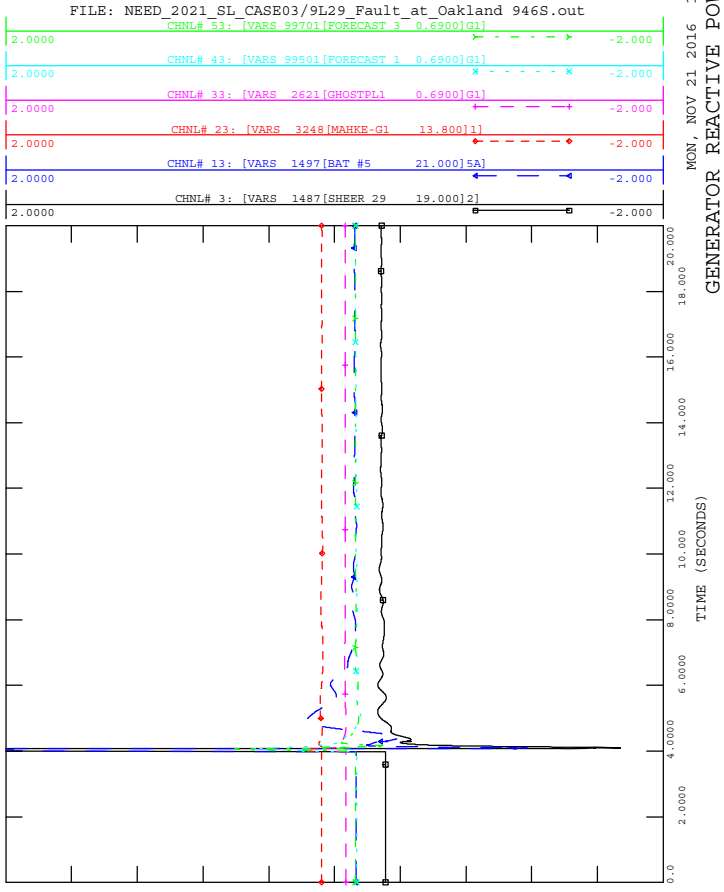
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out



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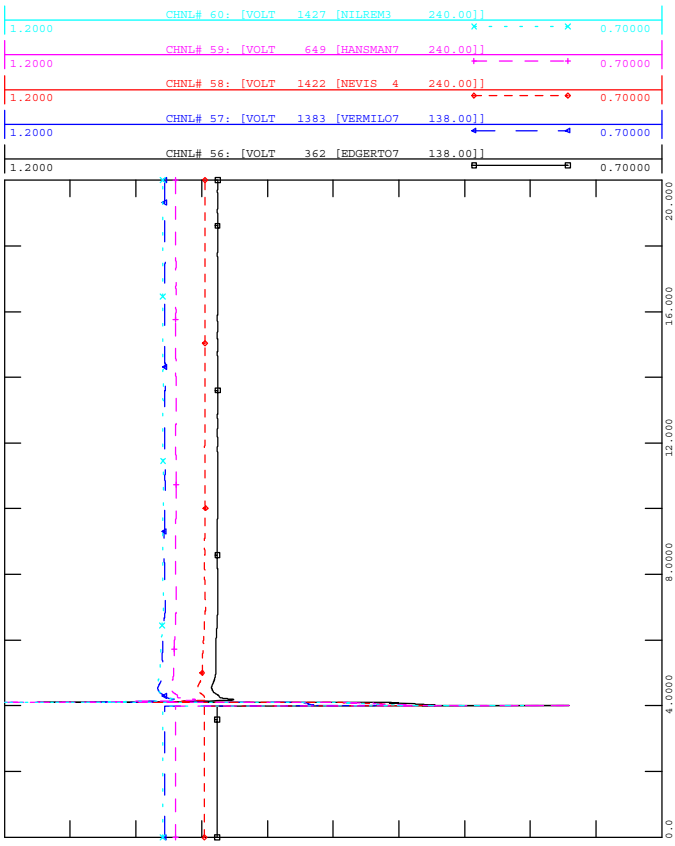
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

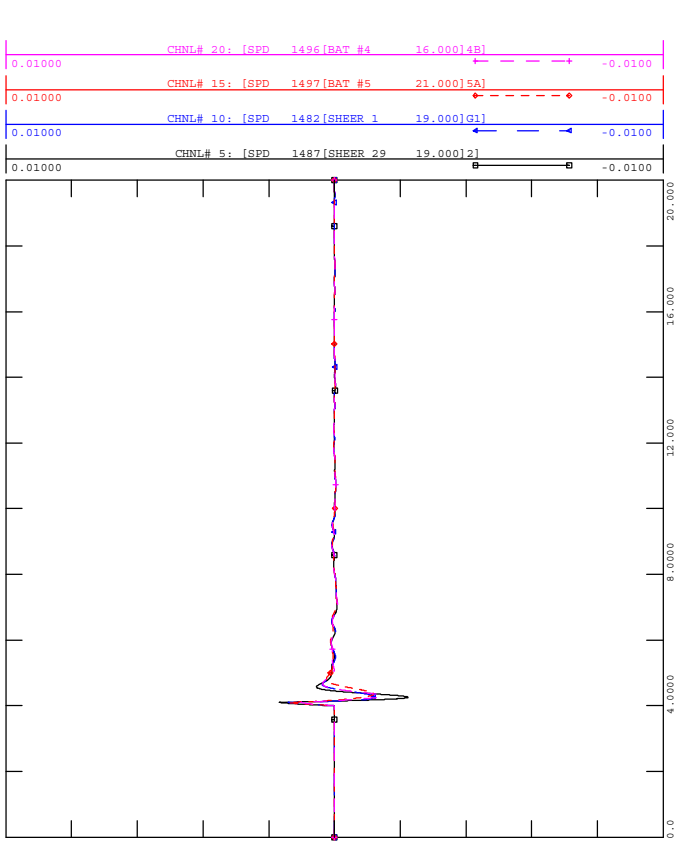


NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out

MON, NOV 21 2016 13:33

MACHINE SPEED



NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out

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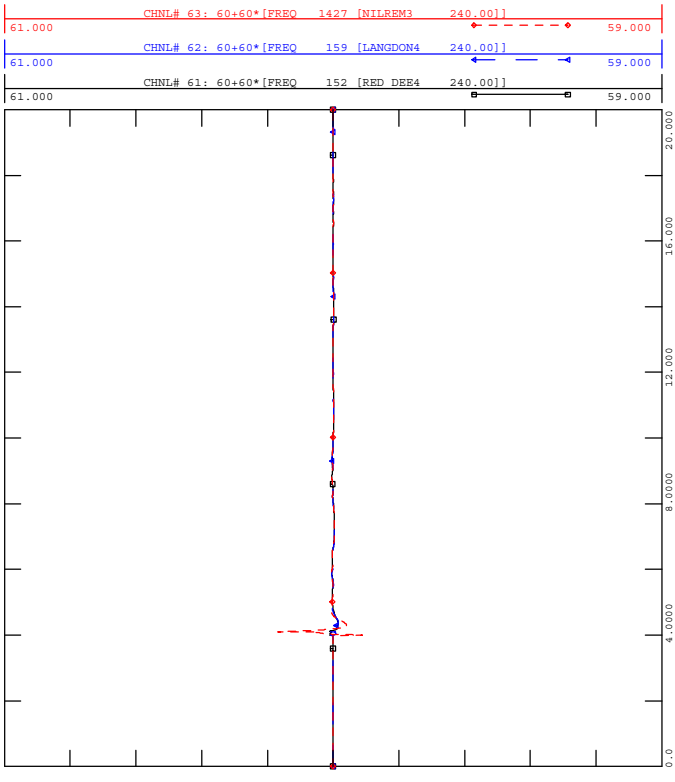
FREQUENCY



NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out

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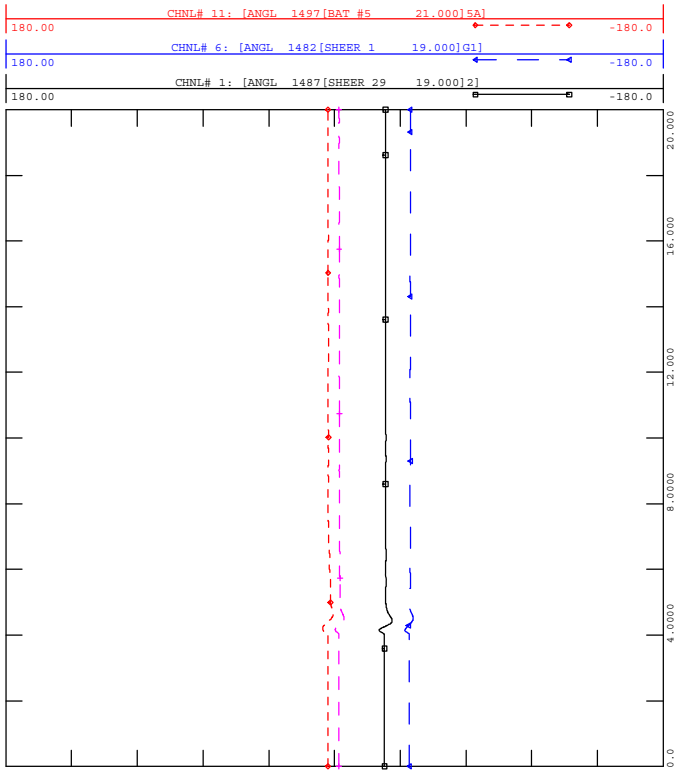
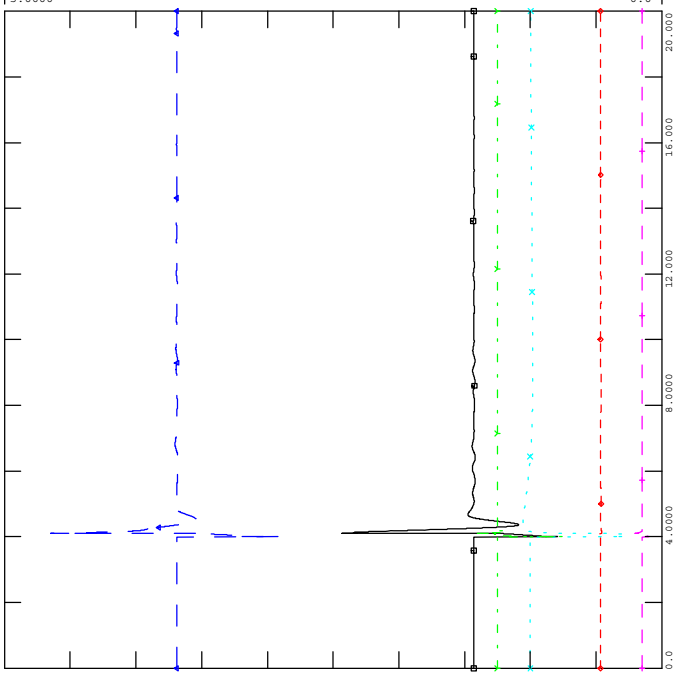
MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]



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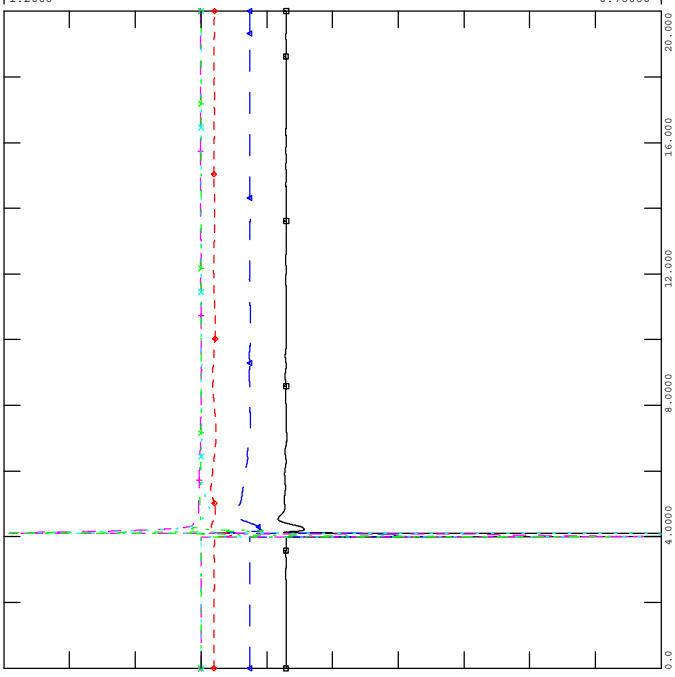
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]



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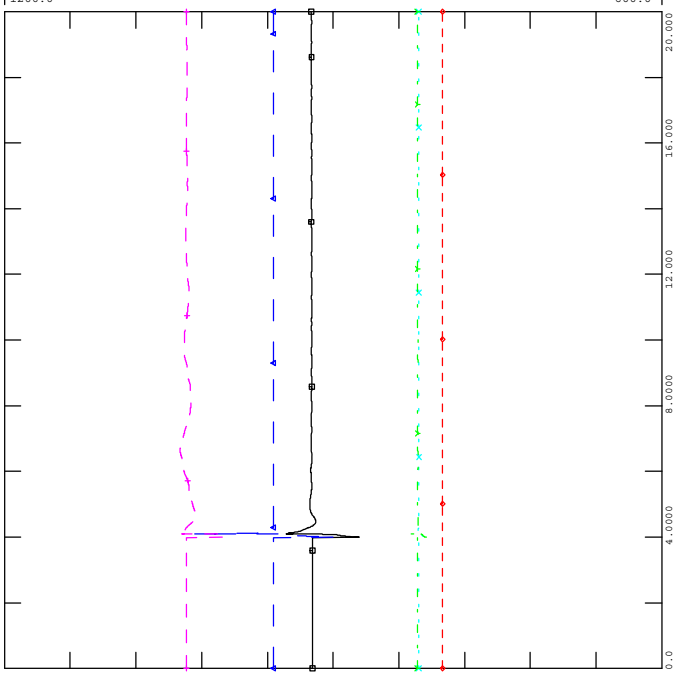
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']



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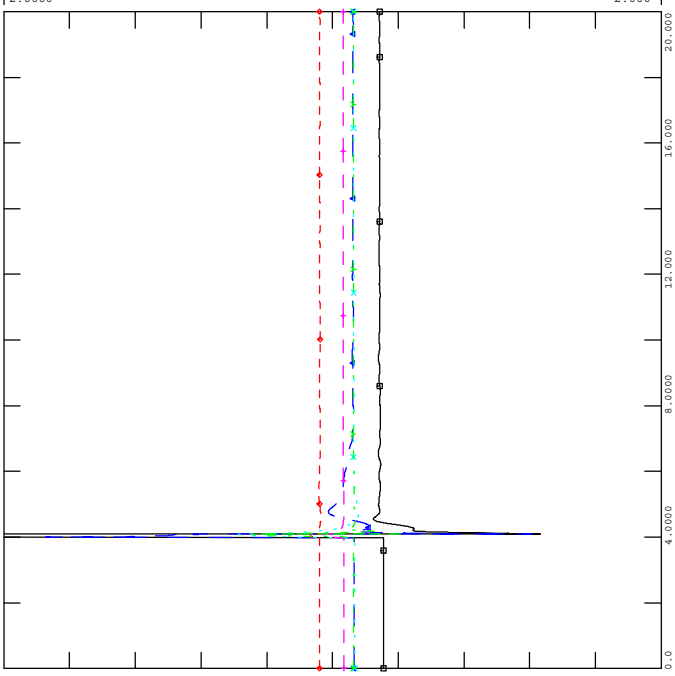
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



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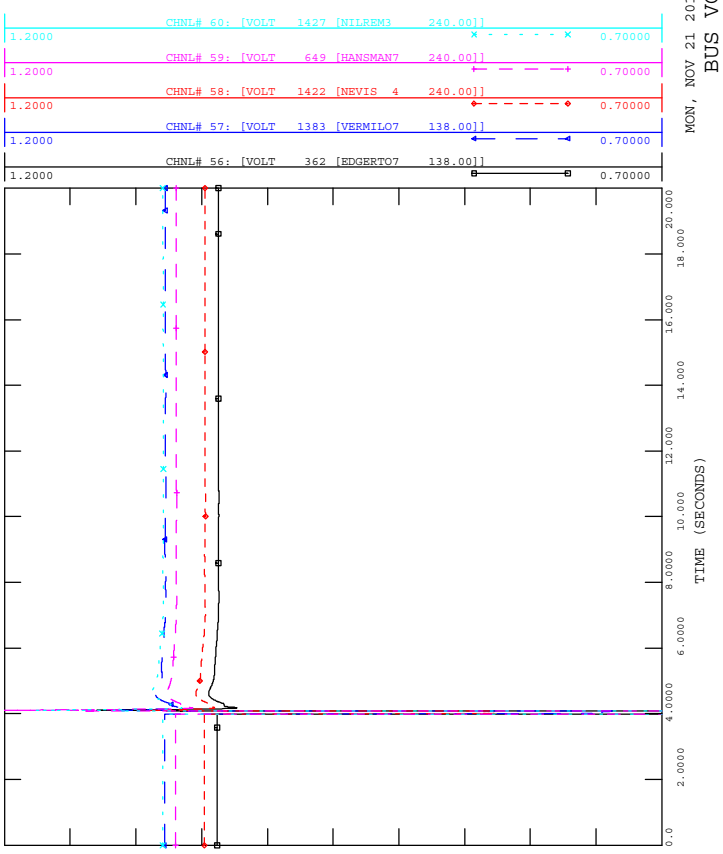
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

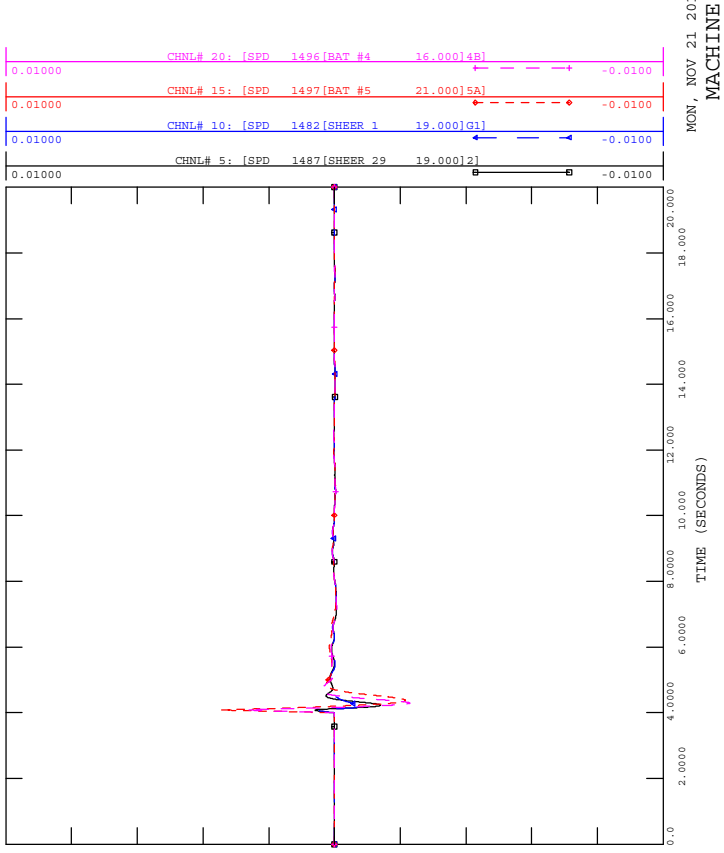
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 13:33
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

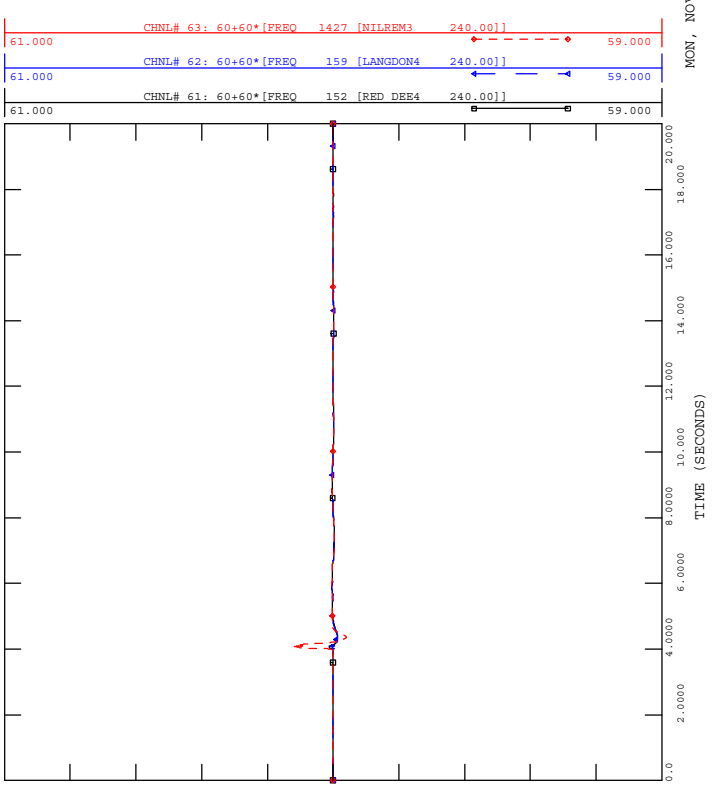
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 13:33
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

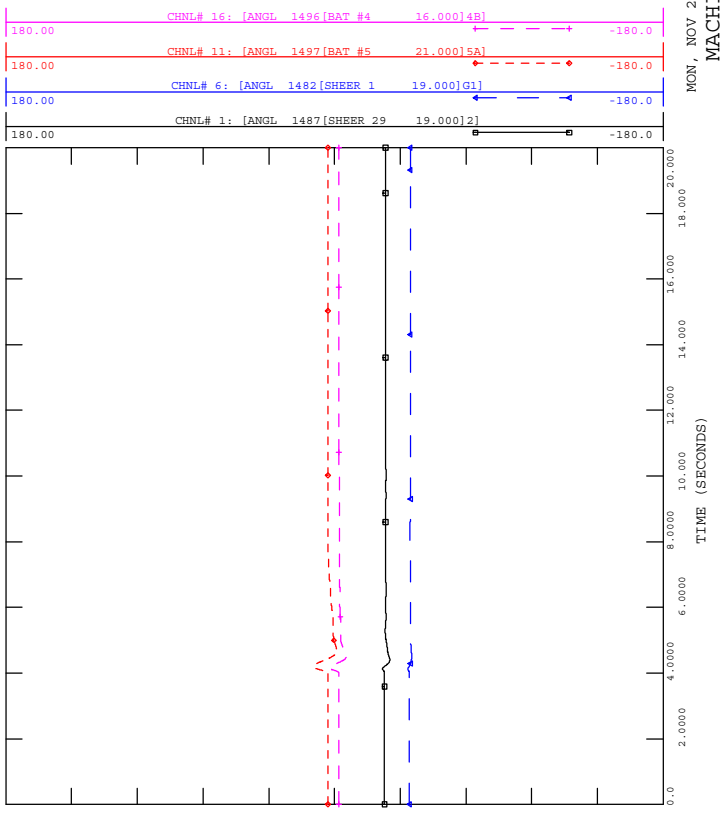
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 13:33
FREQUENCY

NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

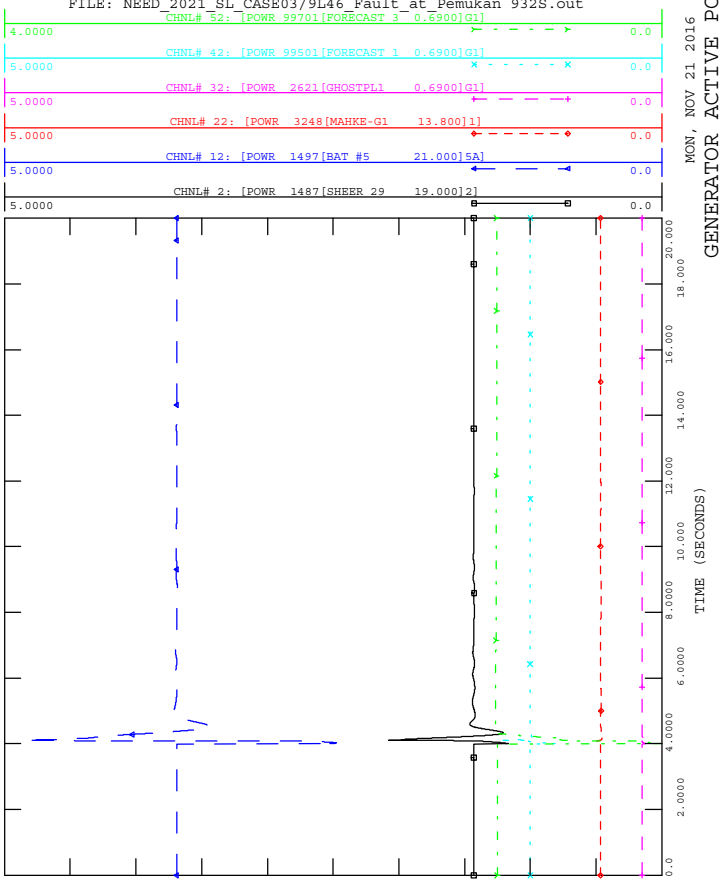
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 13:33
MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out



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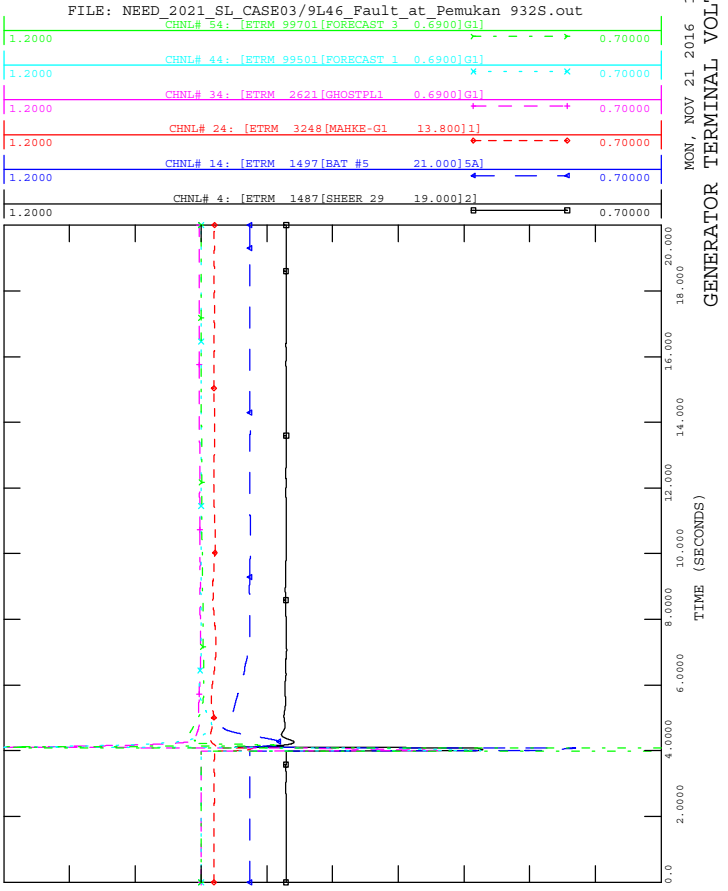
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out



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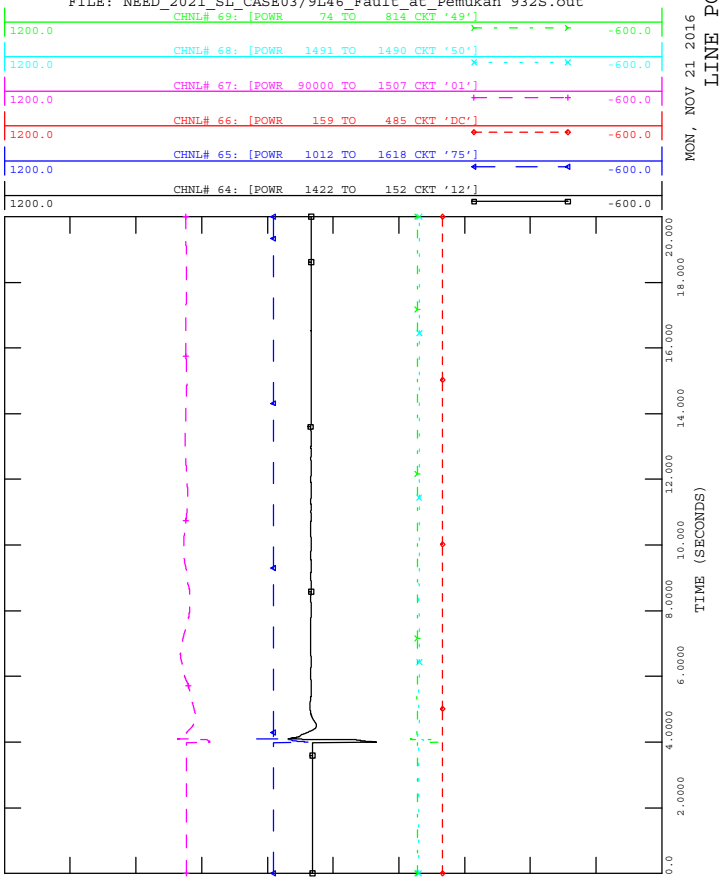
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out



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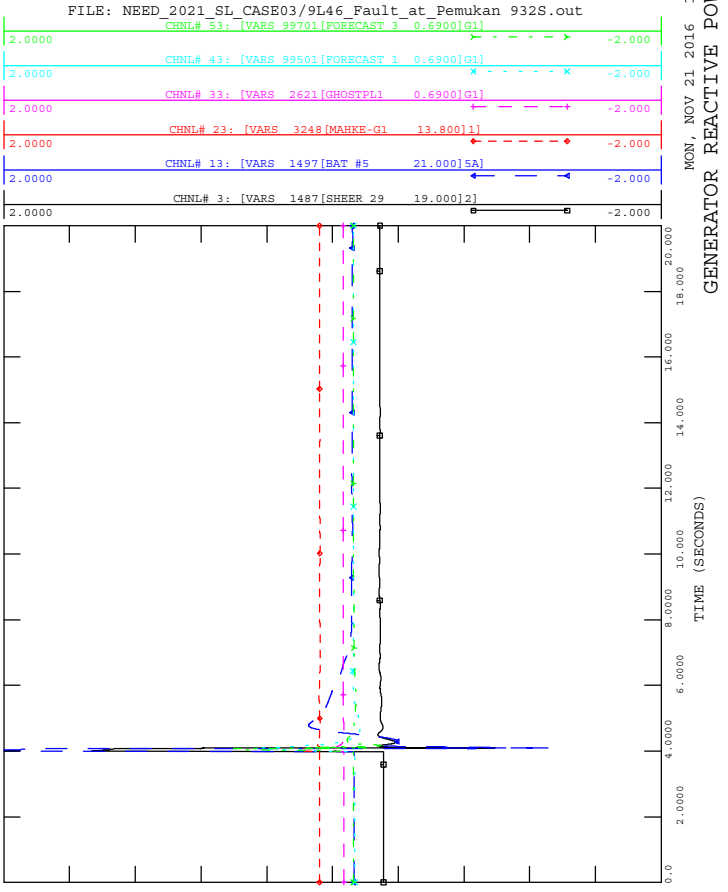
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out



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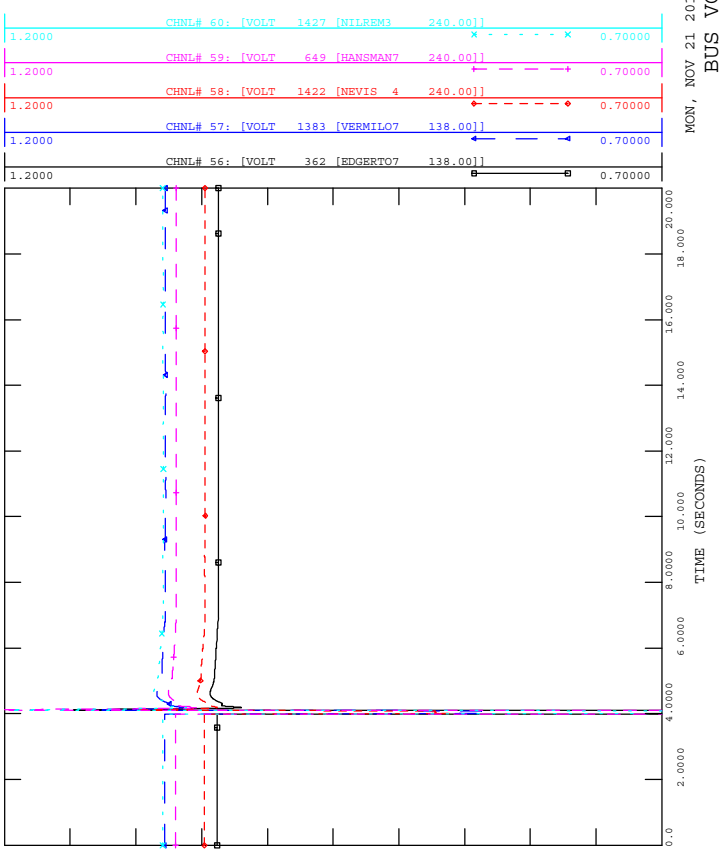
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

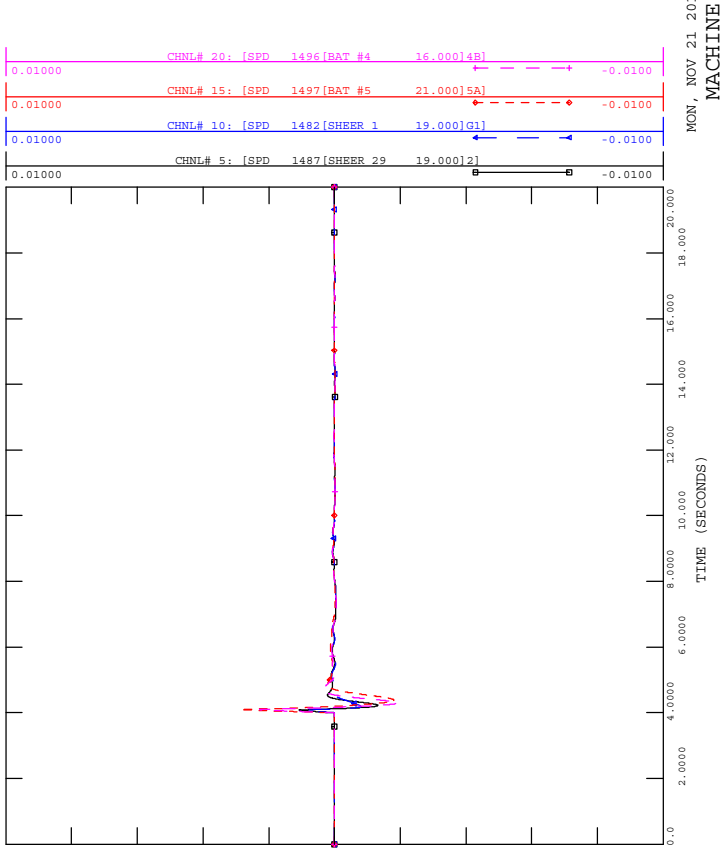
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 13:33
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out



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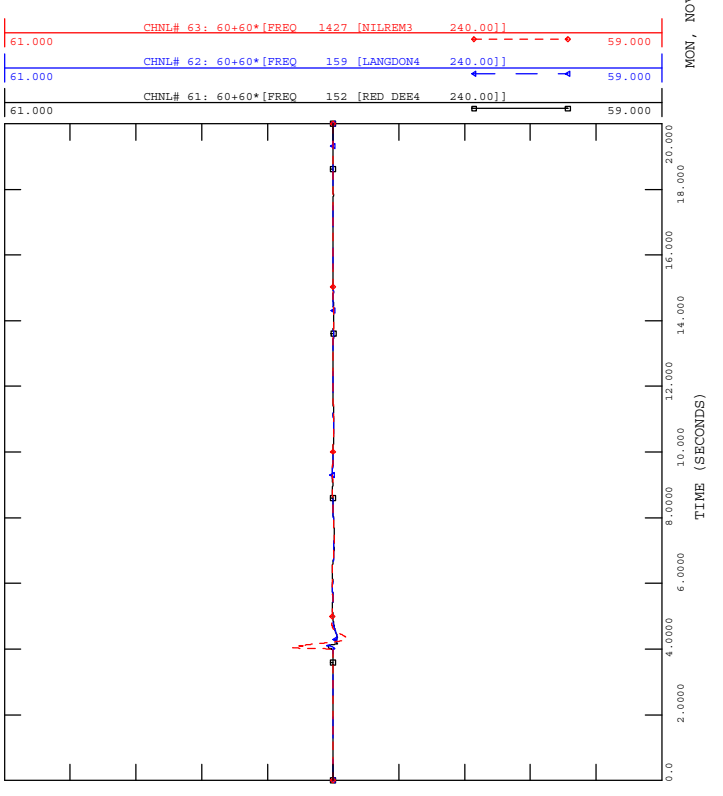
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

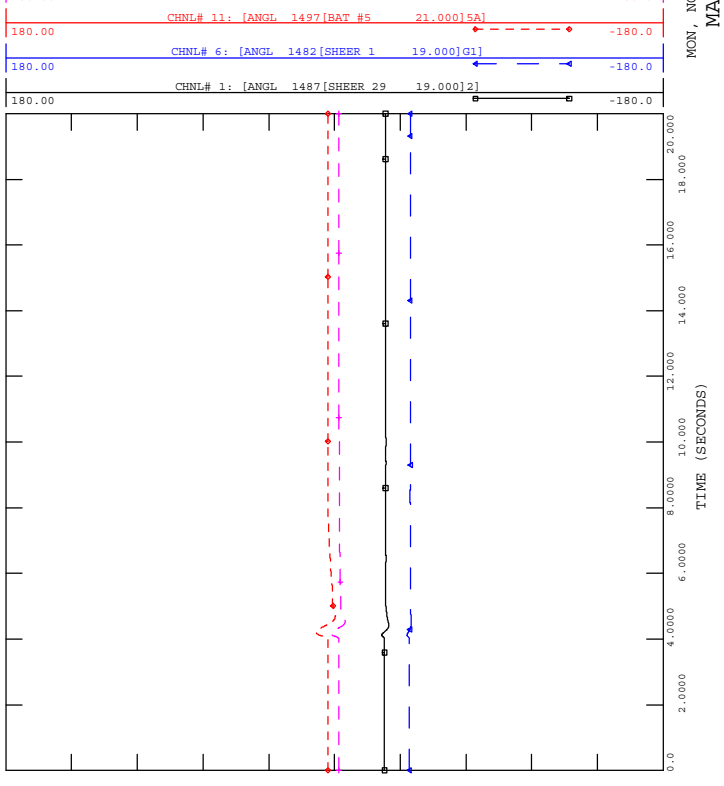
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 13:33
FREQUENCY

NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

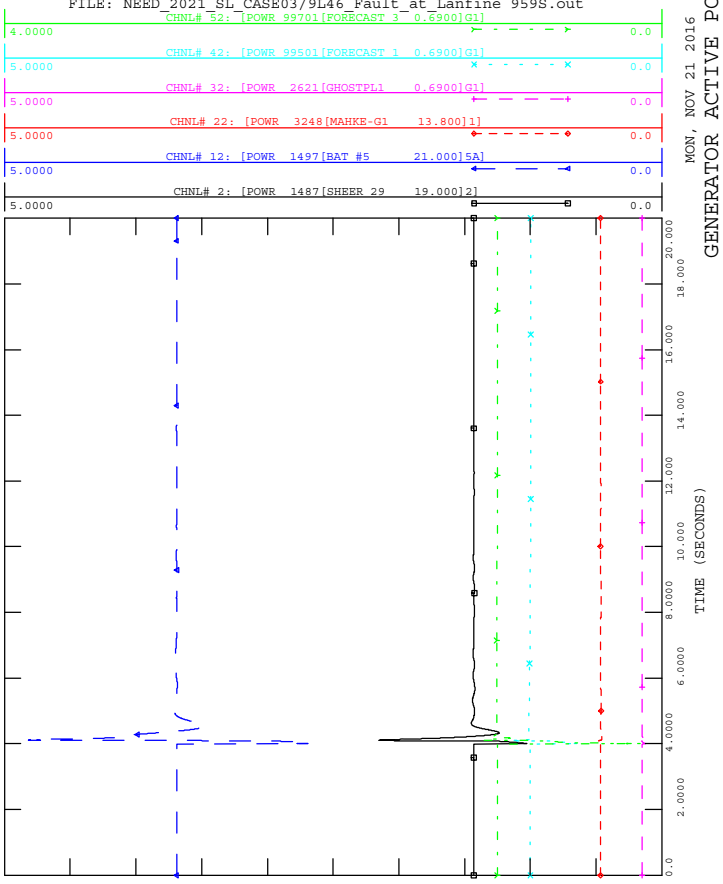
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 13:33
MACHINE ANGEL

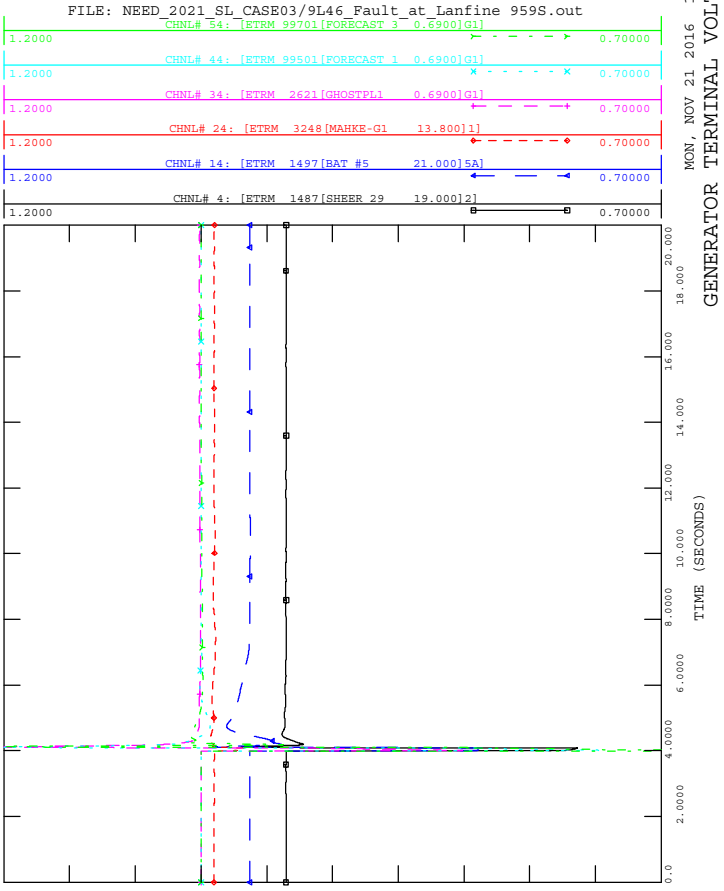
NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out



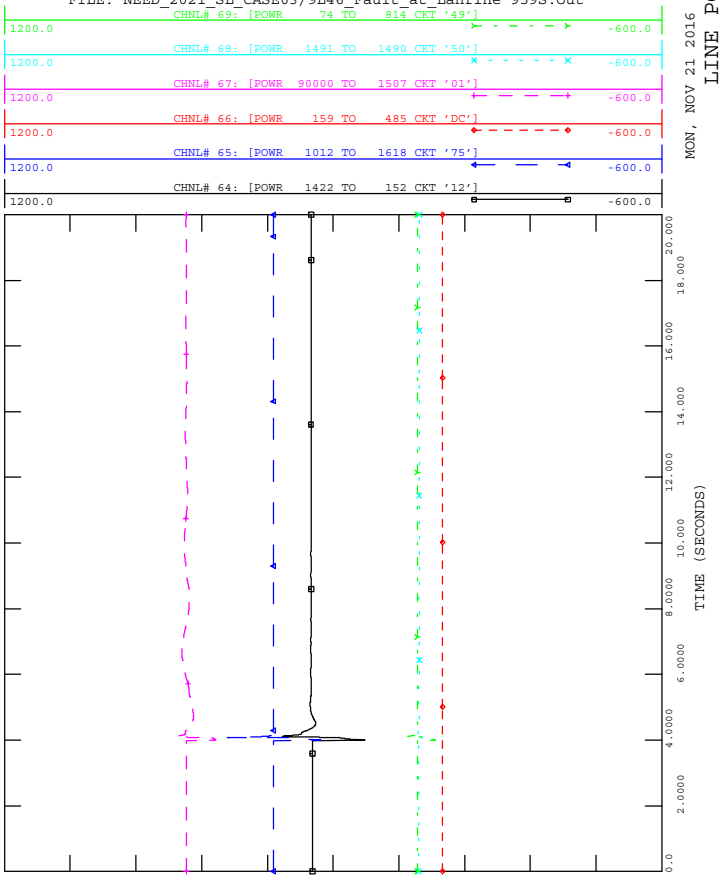
NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out



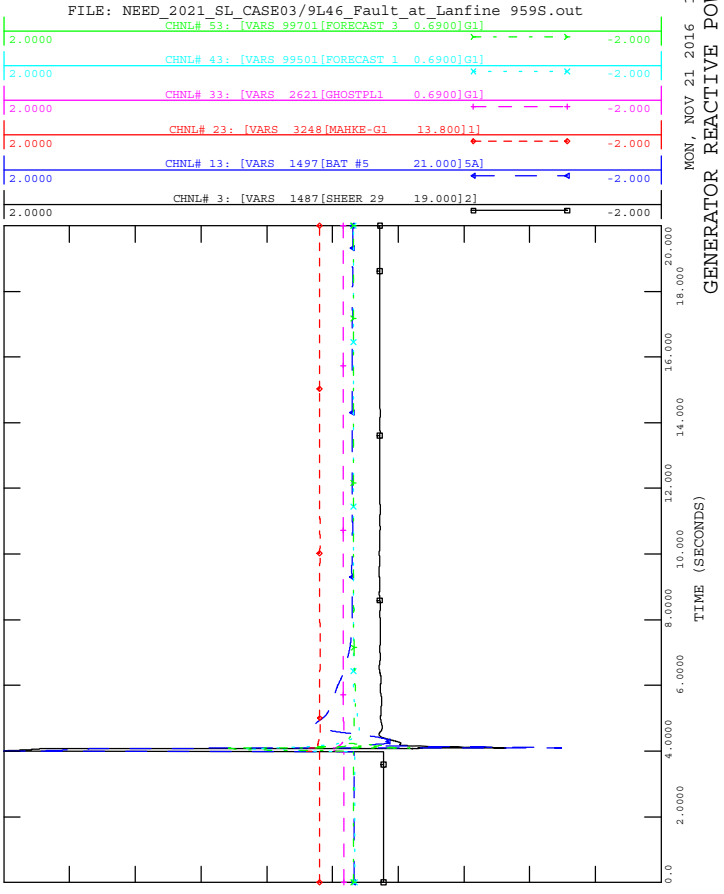
NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out



NEED_2021_SL_CASE03
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out



NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out

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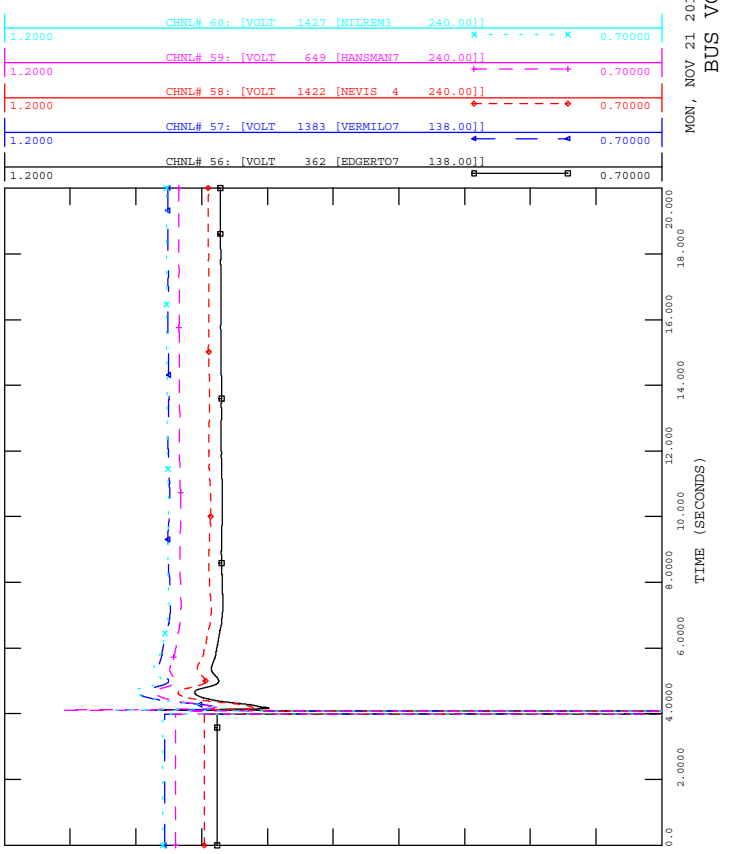
BUS VOLTAGE



NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out

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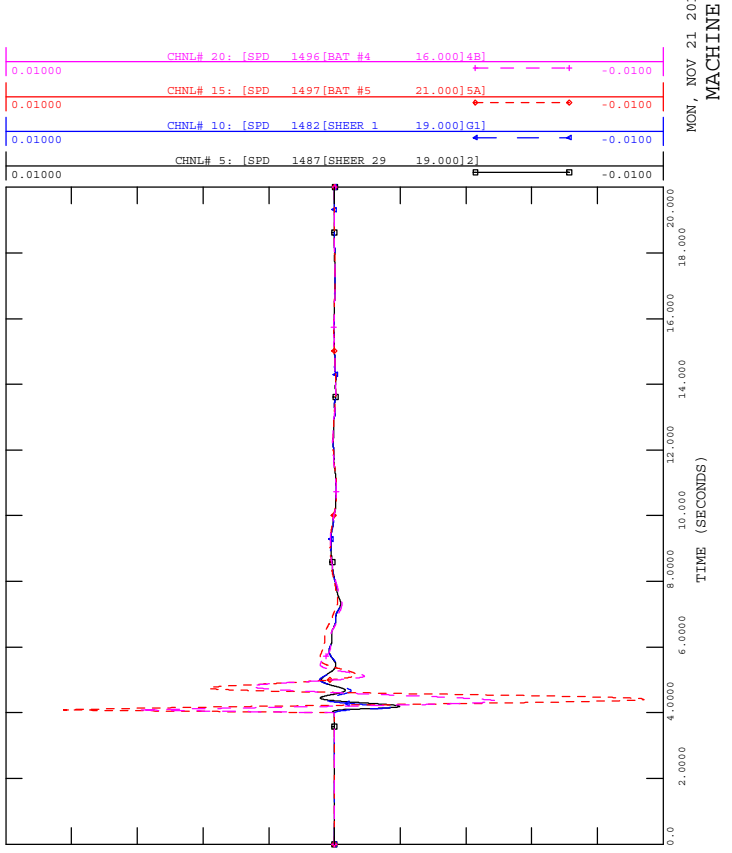
MACHINE SPEED



NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out

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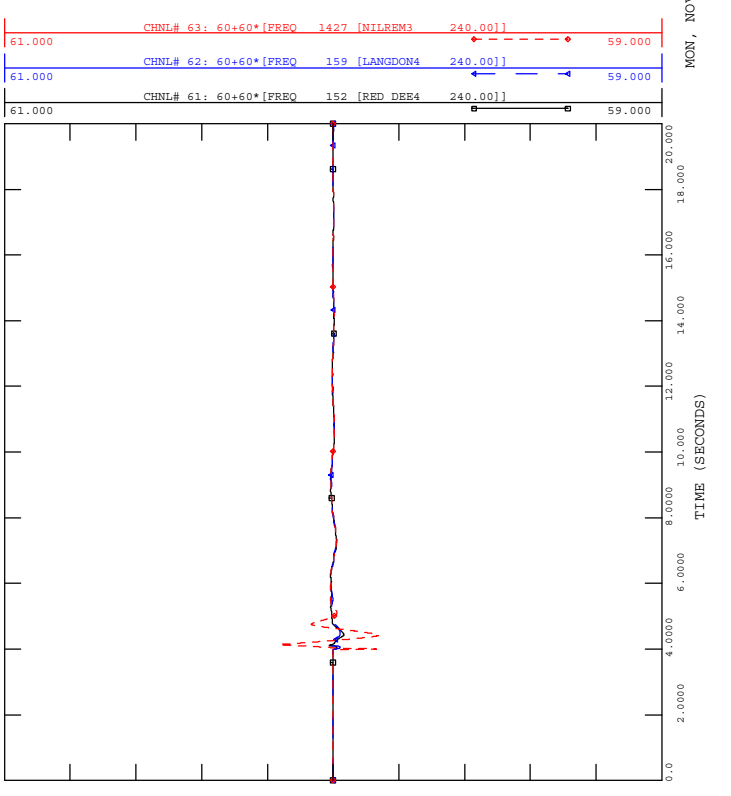
FREQUENCY



NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out

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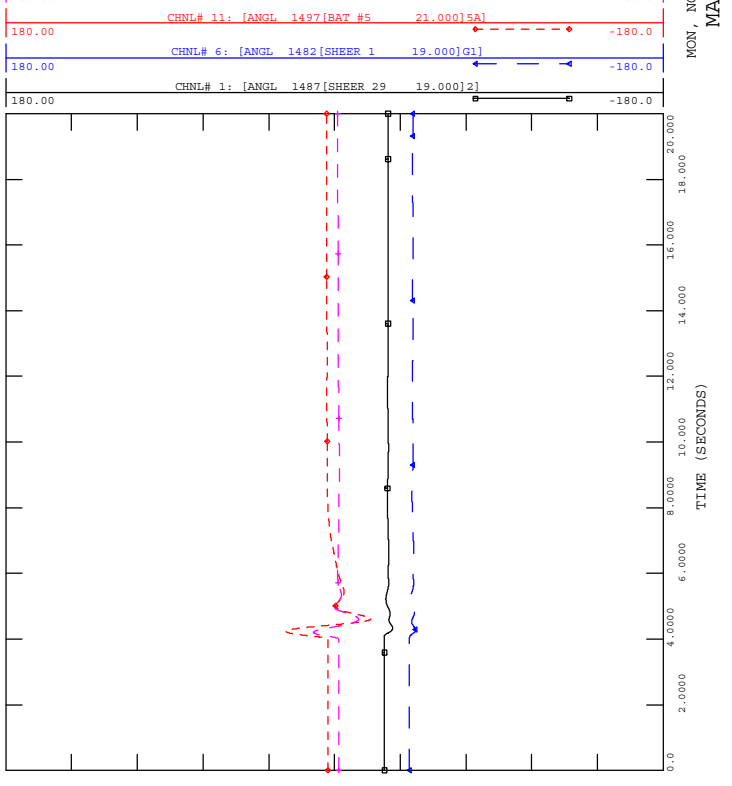
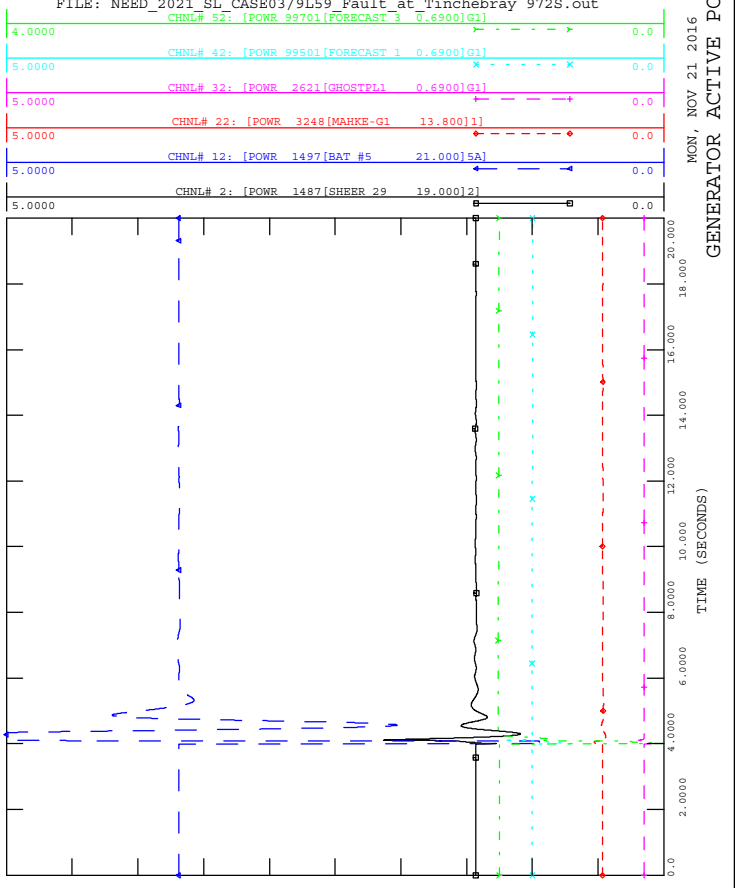
MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out



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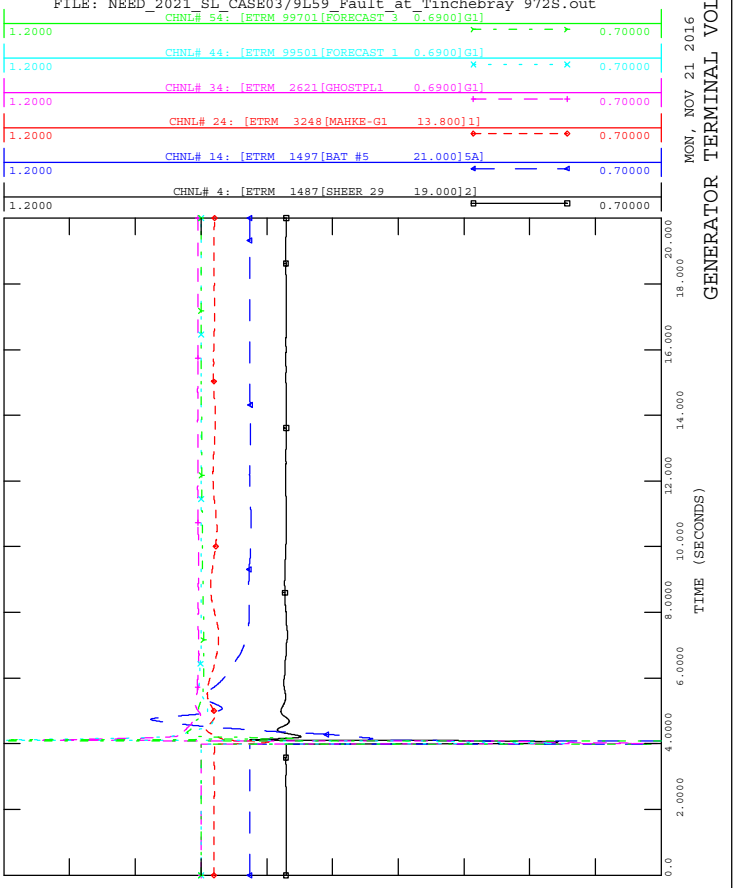
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

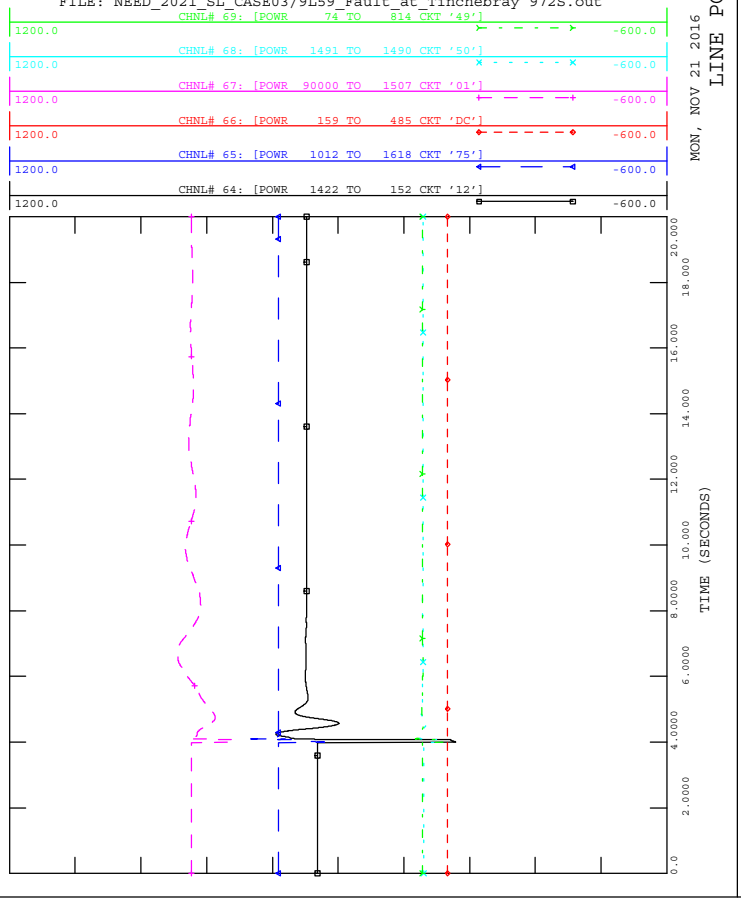
FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

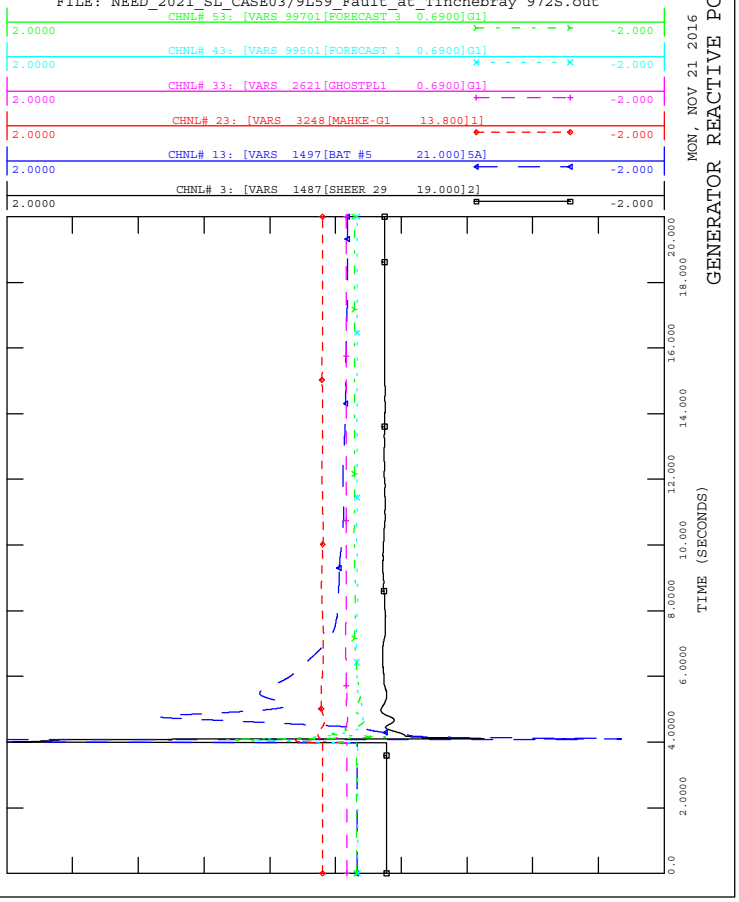
FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 13:33
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out



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GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out

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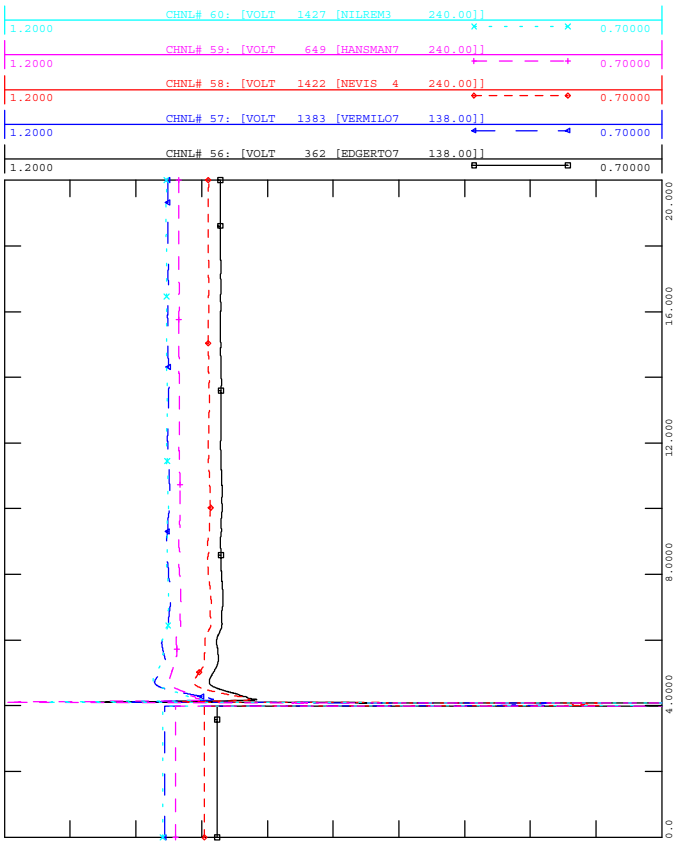
BUS VOLTAGE



NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out

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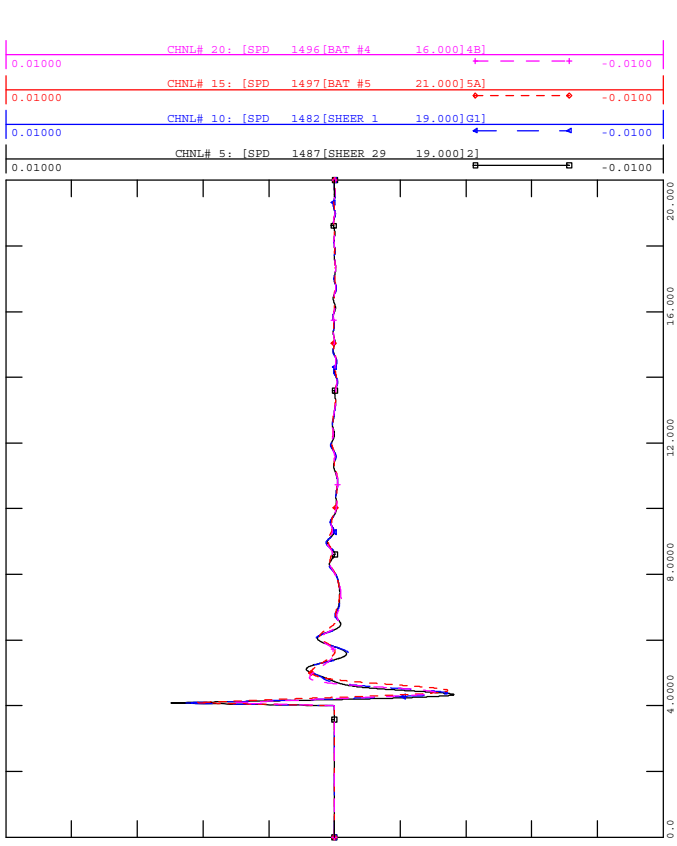
MACHINE SPEED



NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out

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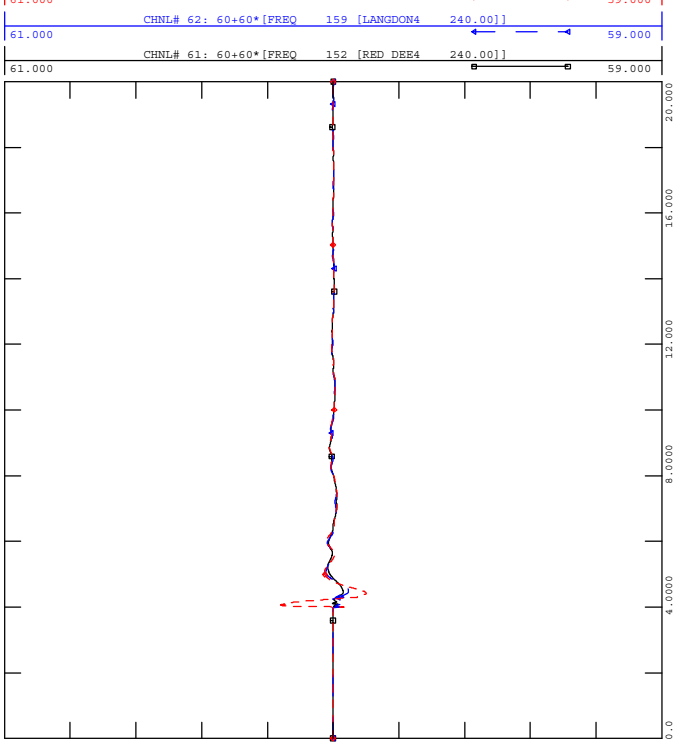
FREQUENCY



NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out

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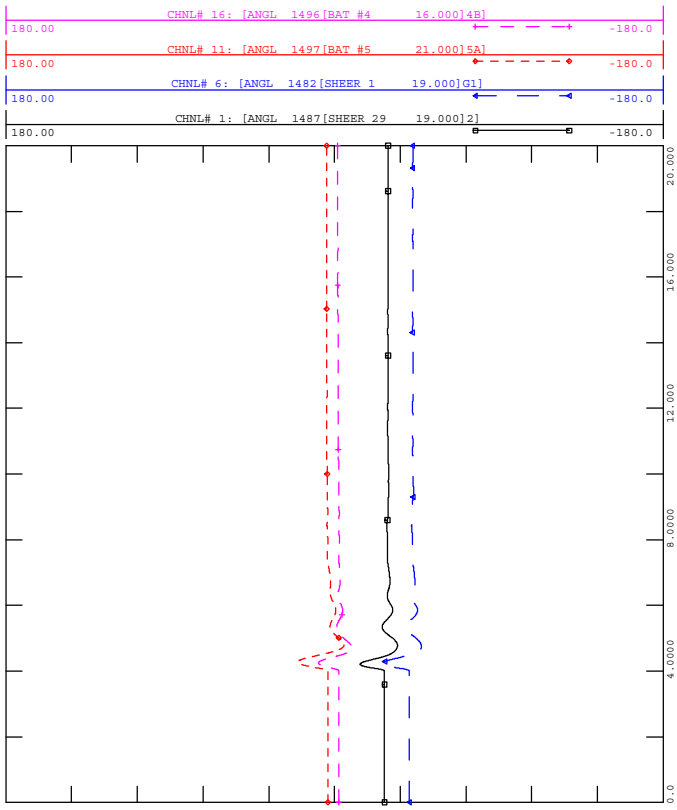
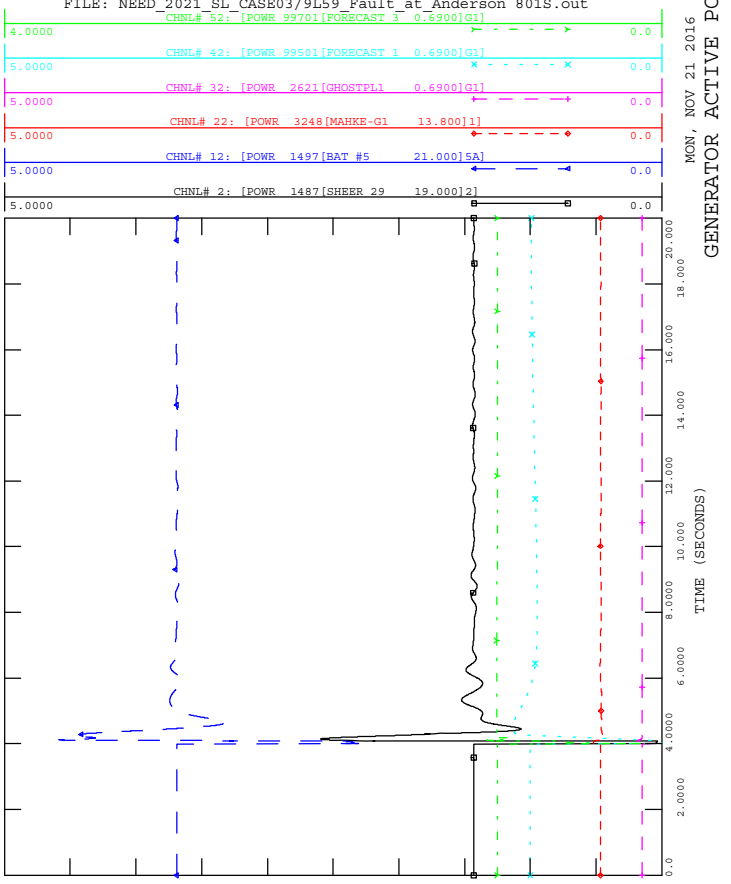
MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out



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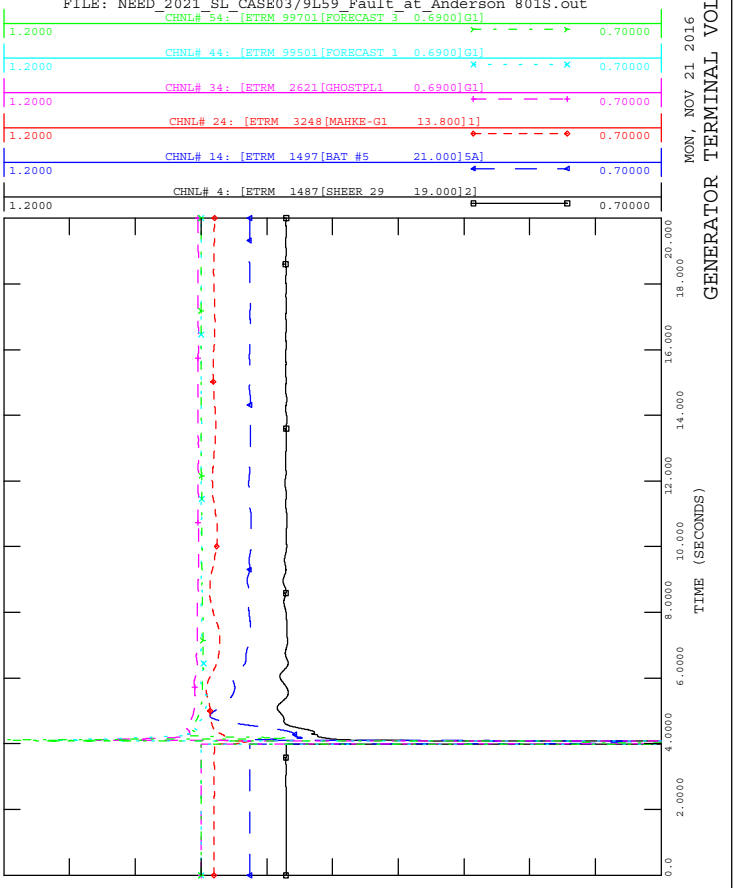
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out



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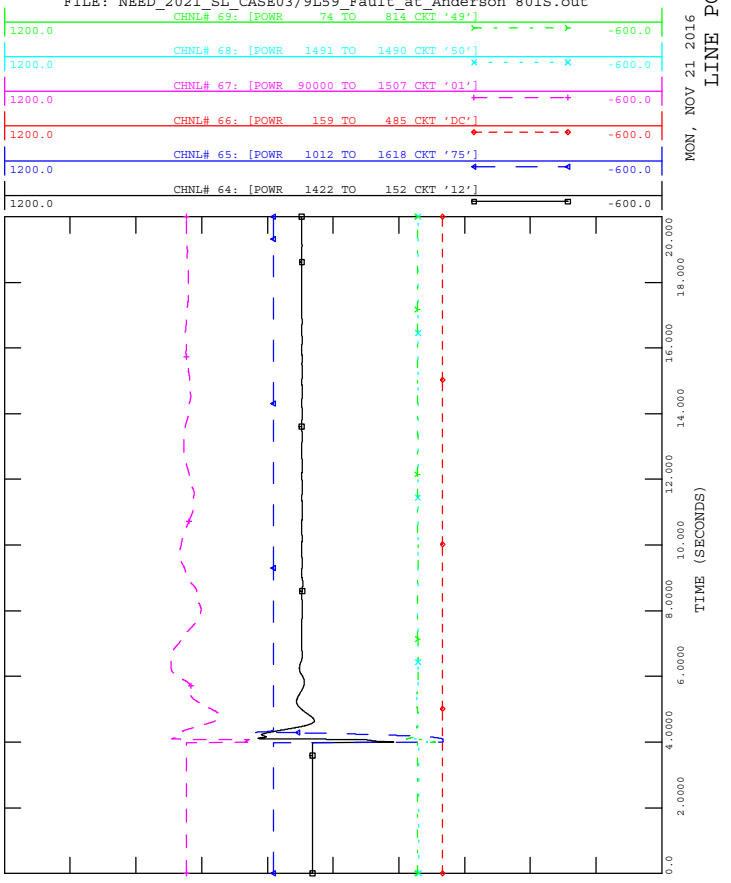
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out



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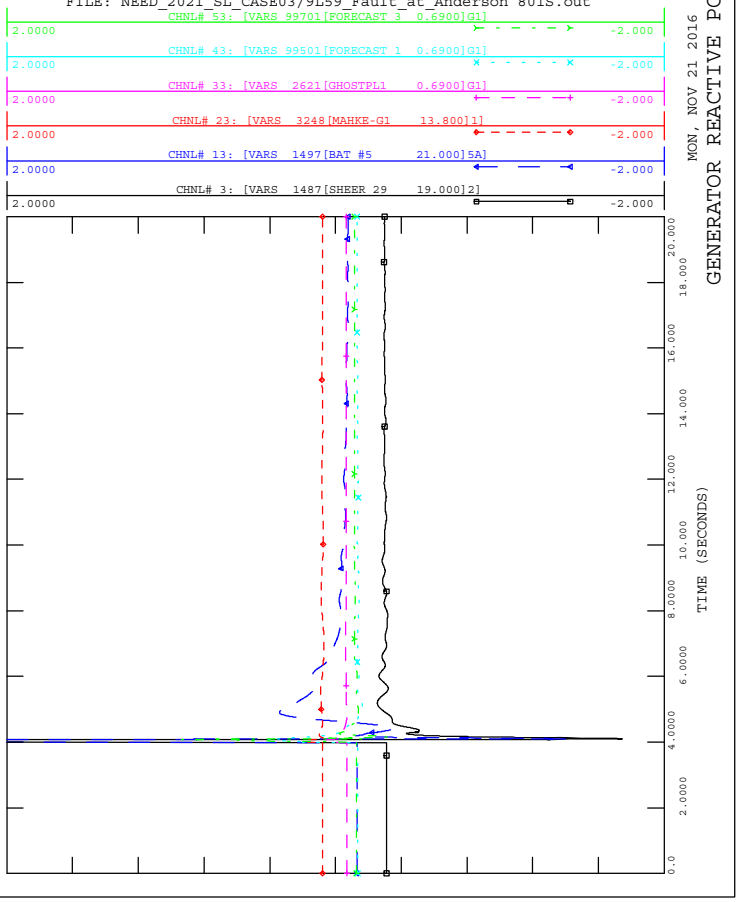
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out



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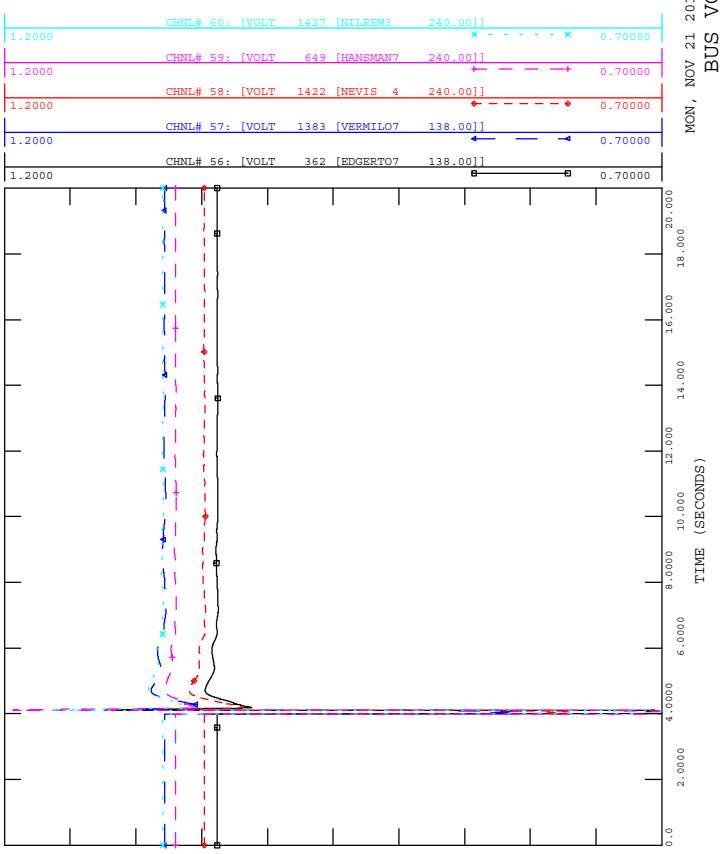
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

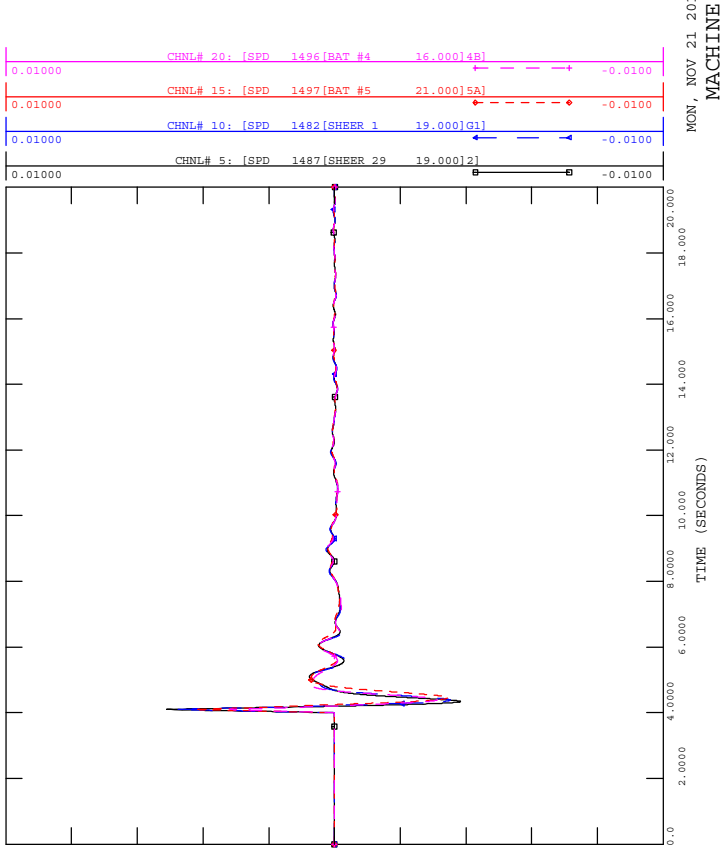
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



MON, NOV 21 2016 13:33
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

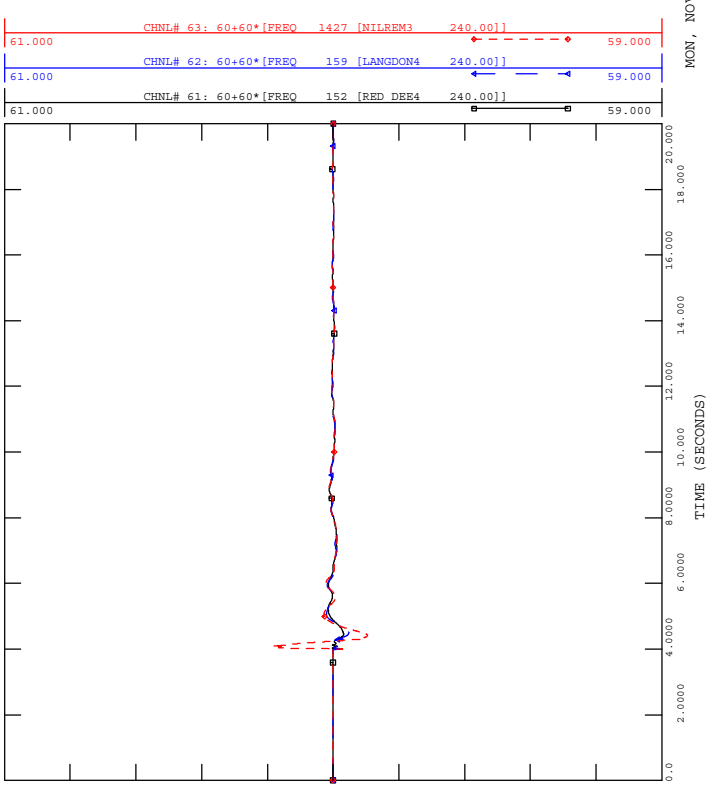
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



MON, NOV 21 2016 13:33
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

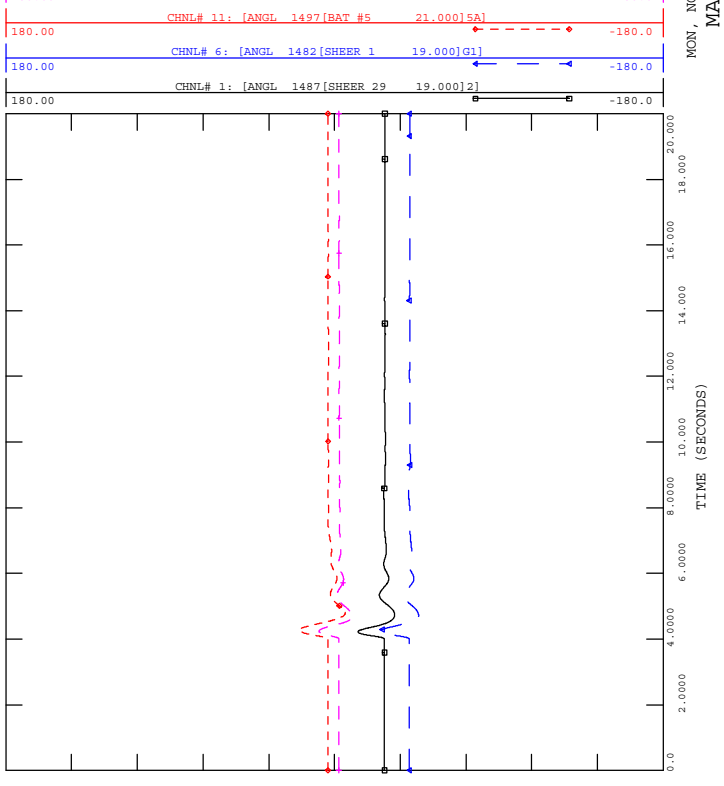
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



MON, NOV 21 2016 13:33
FREQUENCY

NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

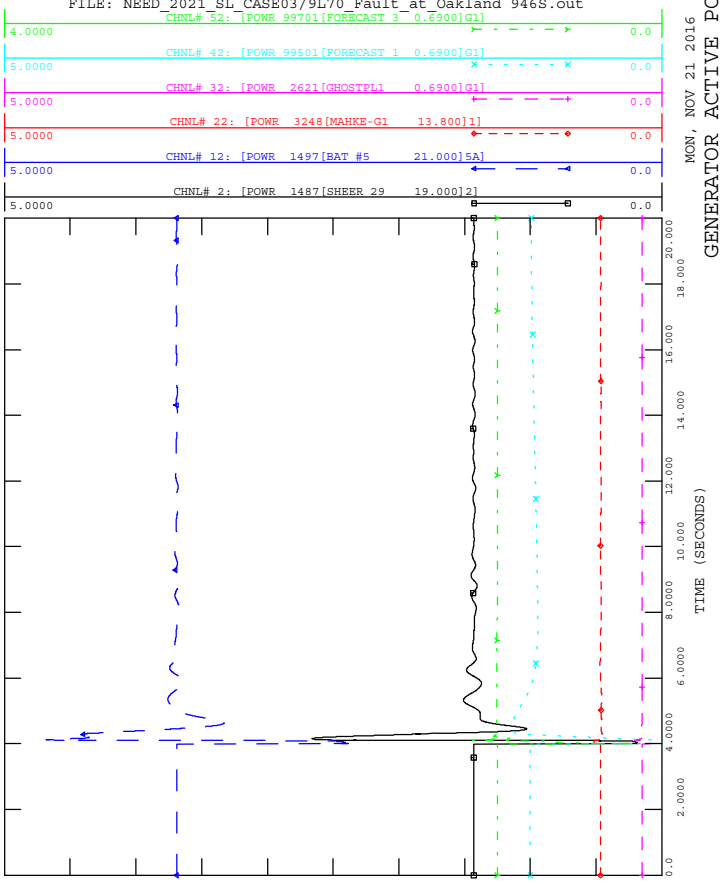
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



MON, NOV 21 2016 13:33
MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



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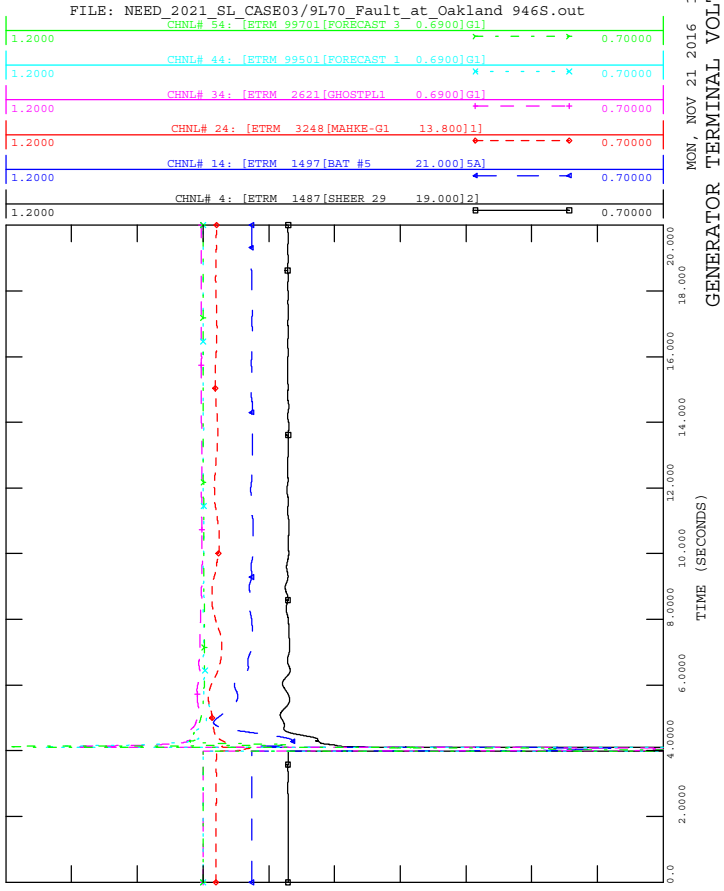
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



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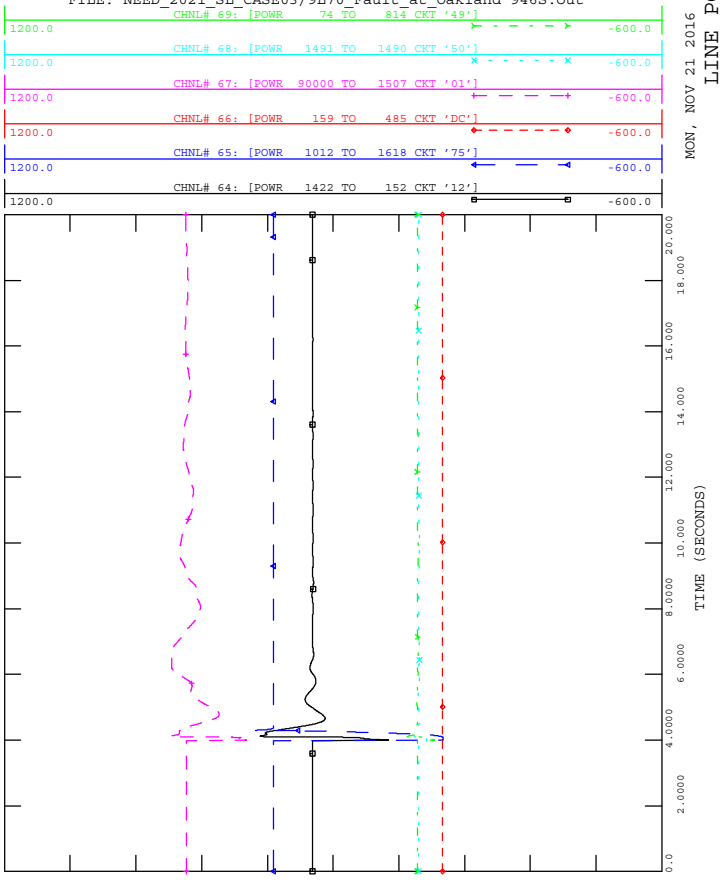
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



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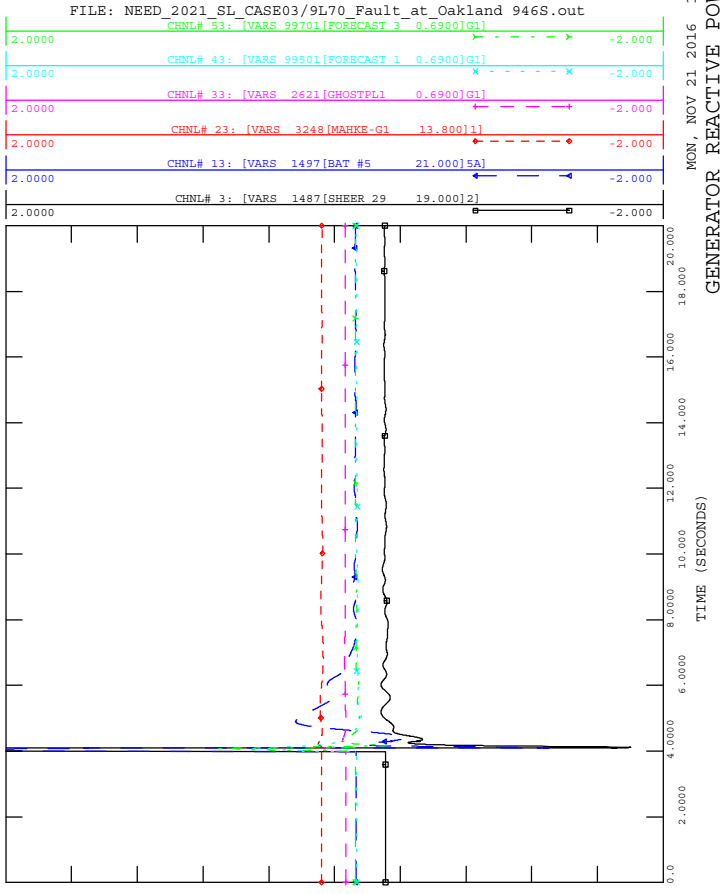
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



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GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Anderson 801S.out

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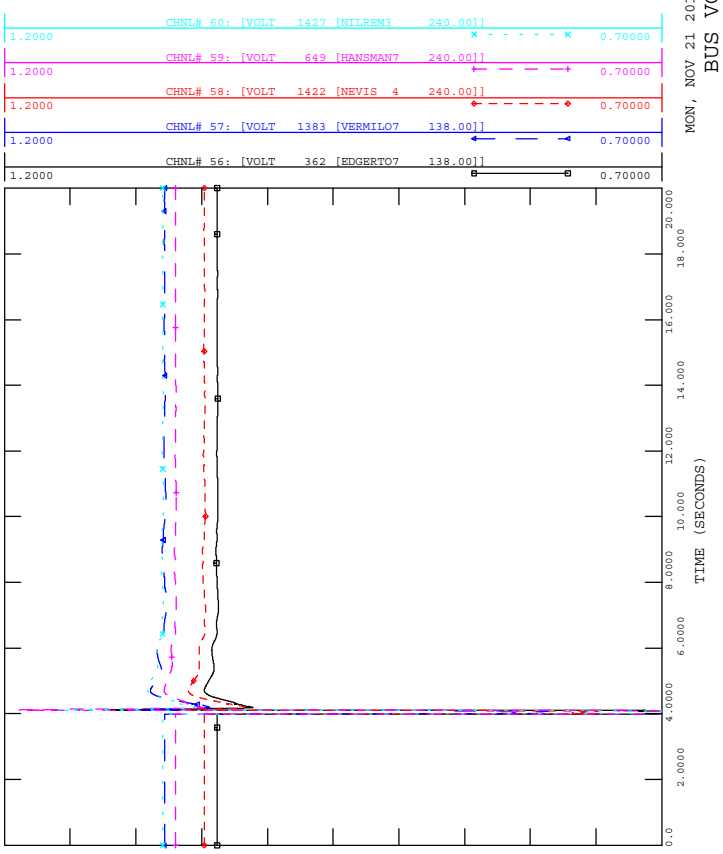
BUS VOLTAGE



NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Anderson 801S.out

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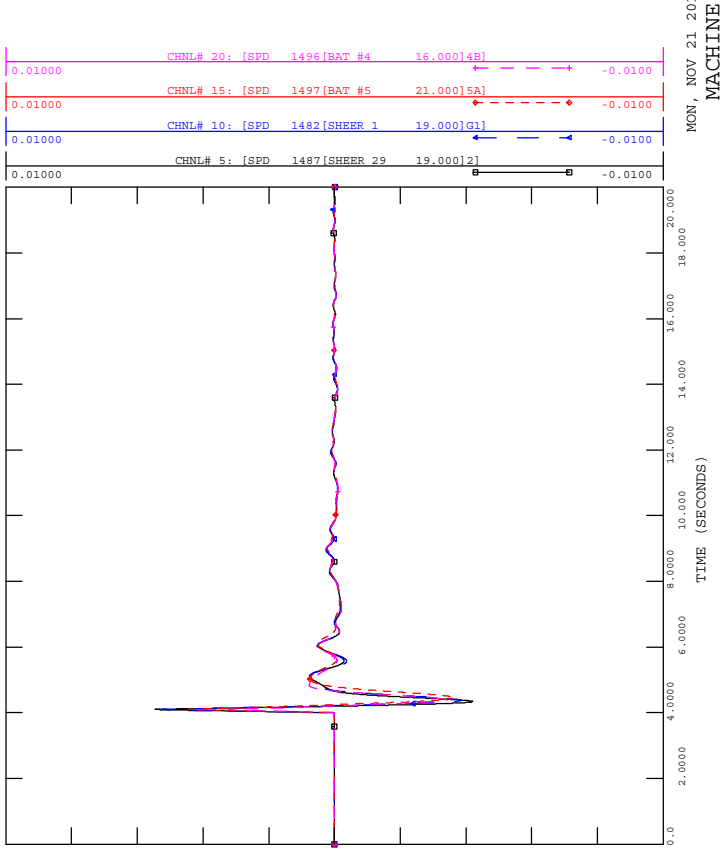
MACHINE SPEED



NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Anderson 801S.out

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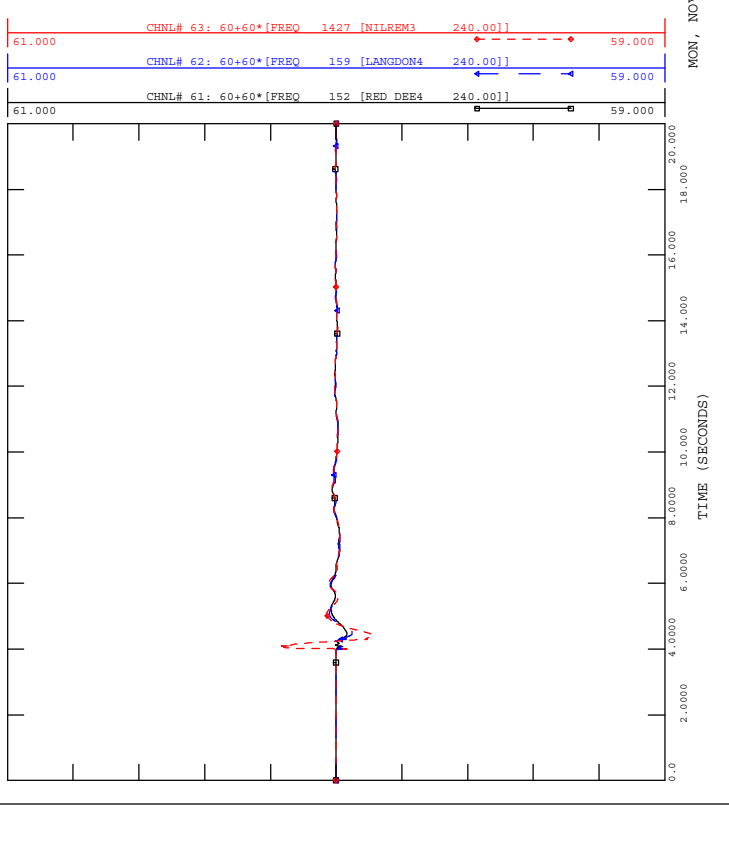
FREQUENCY



NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Anderson 801S.out

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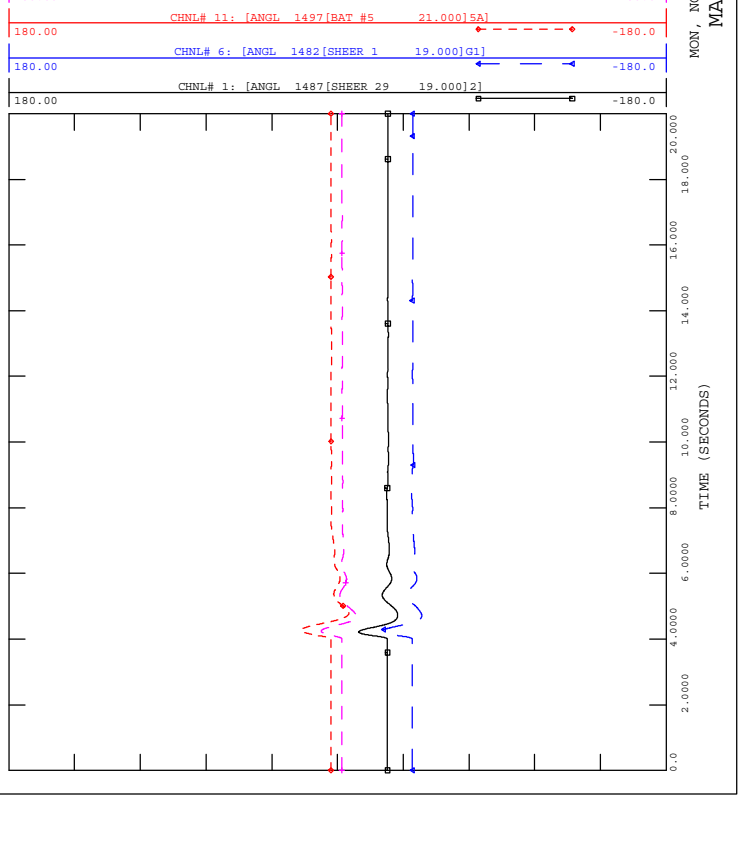
MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

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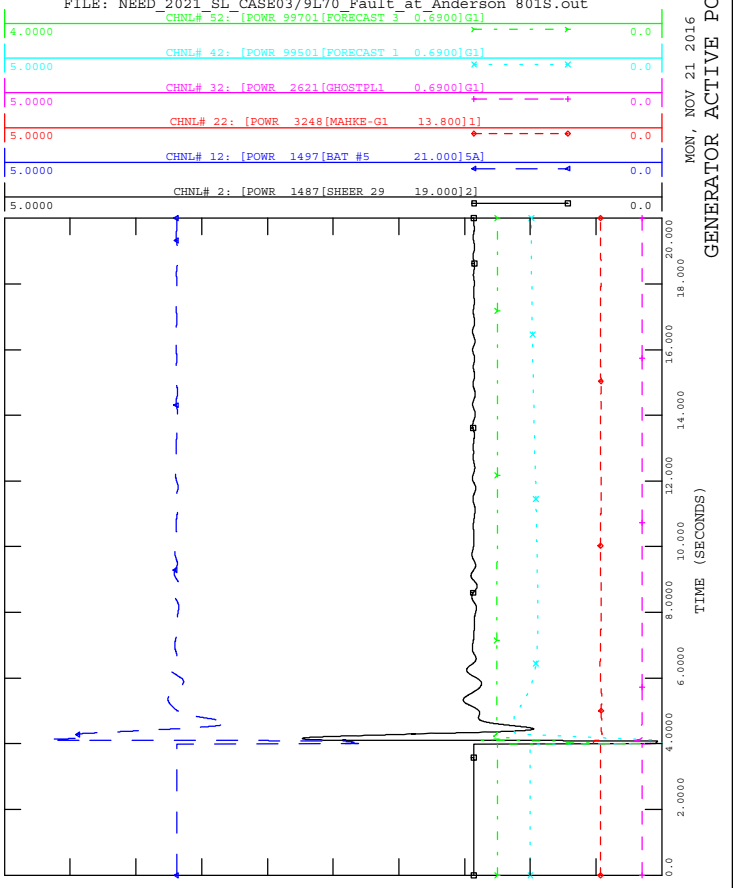

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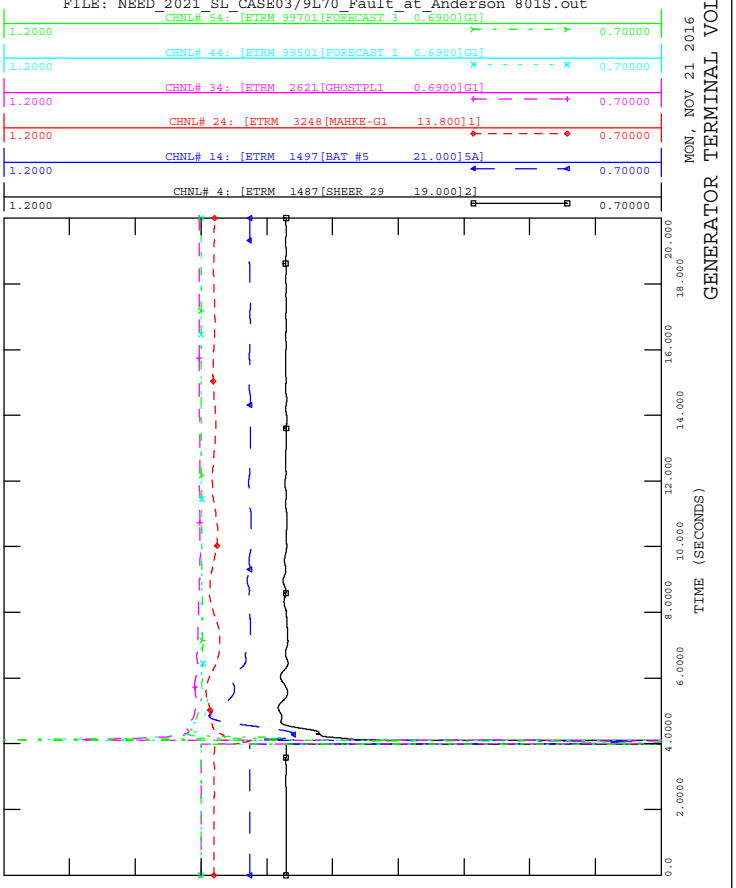
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Anderson 801S.out



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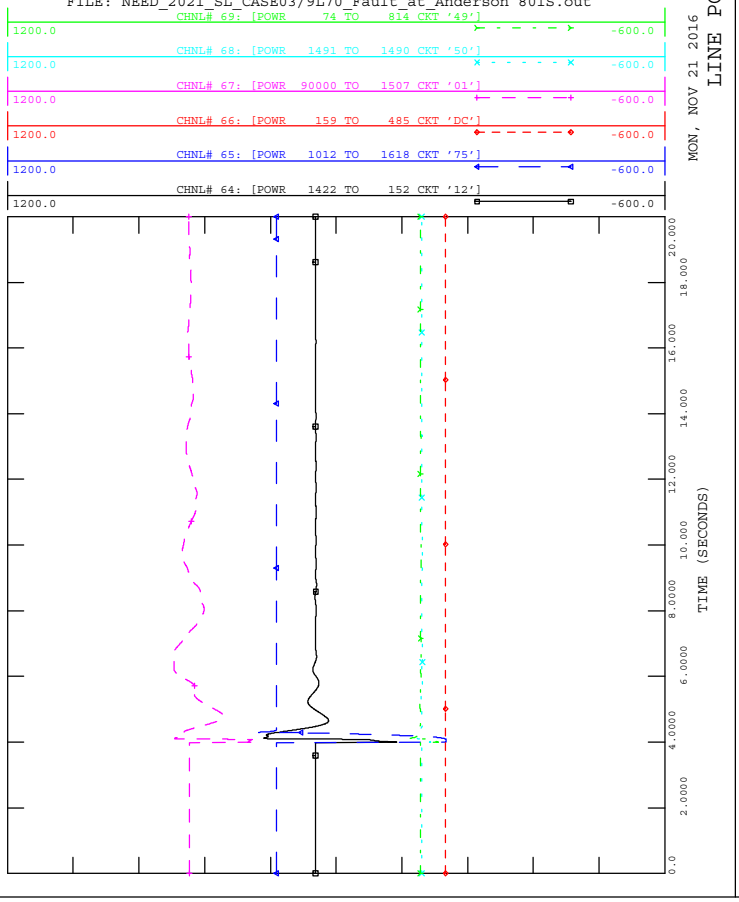
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

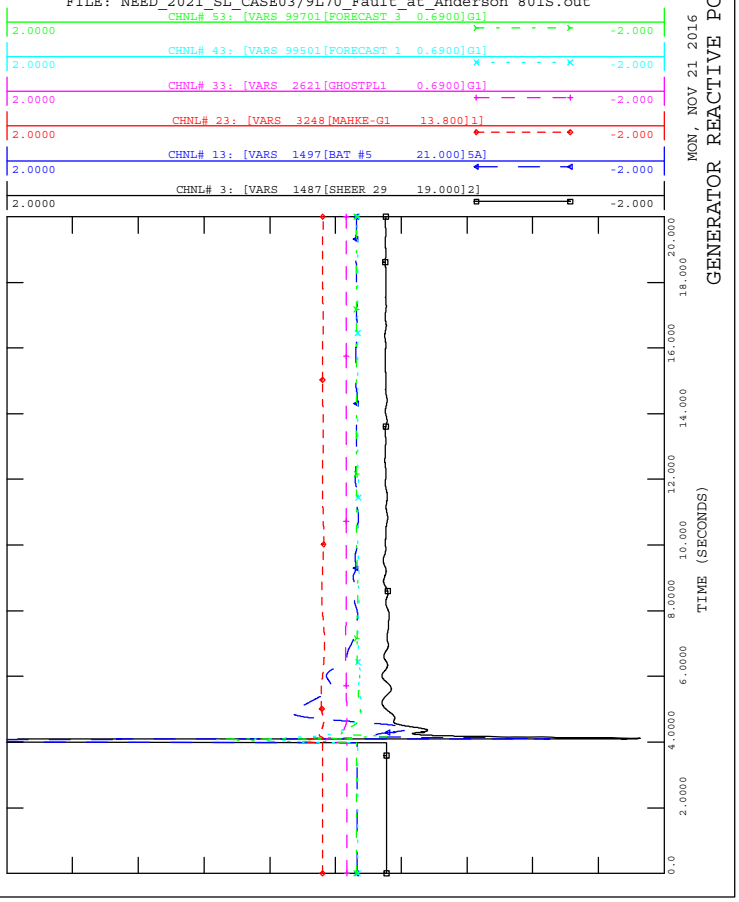
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Anderson 801S.out



MON, NOV 21 2016 13:33
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Anderson 801S.out



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GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out

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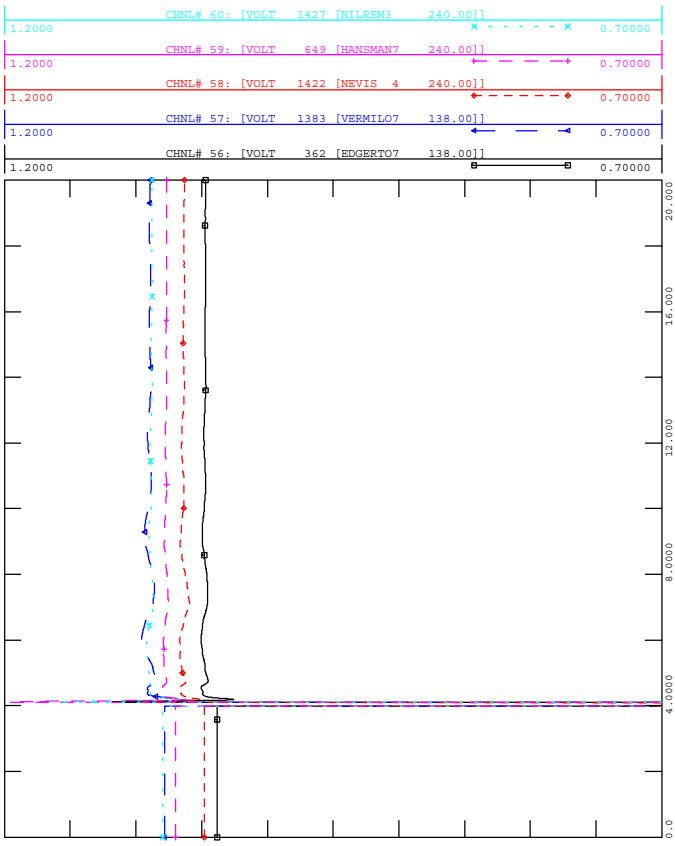
BUS VOLTAGE



NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out

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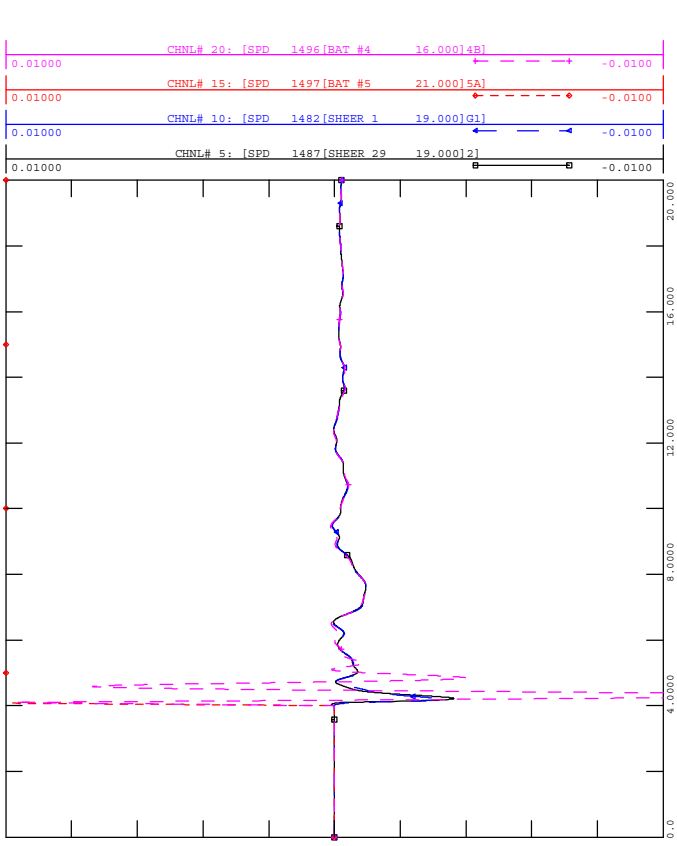
MACHINE SPEED



NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out

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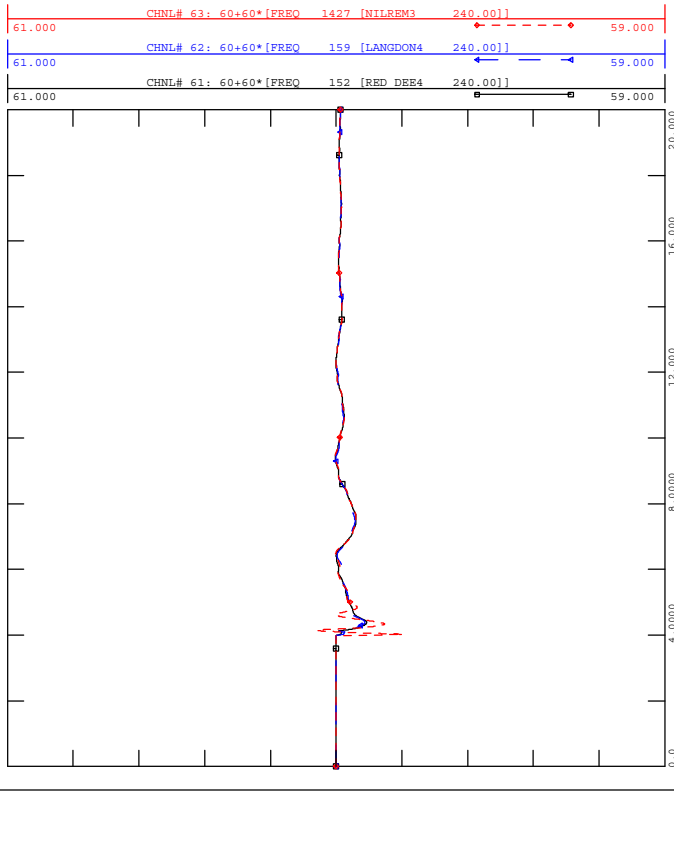
FREQUENCY



NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out

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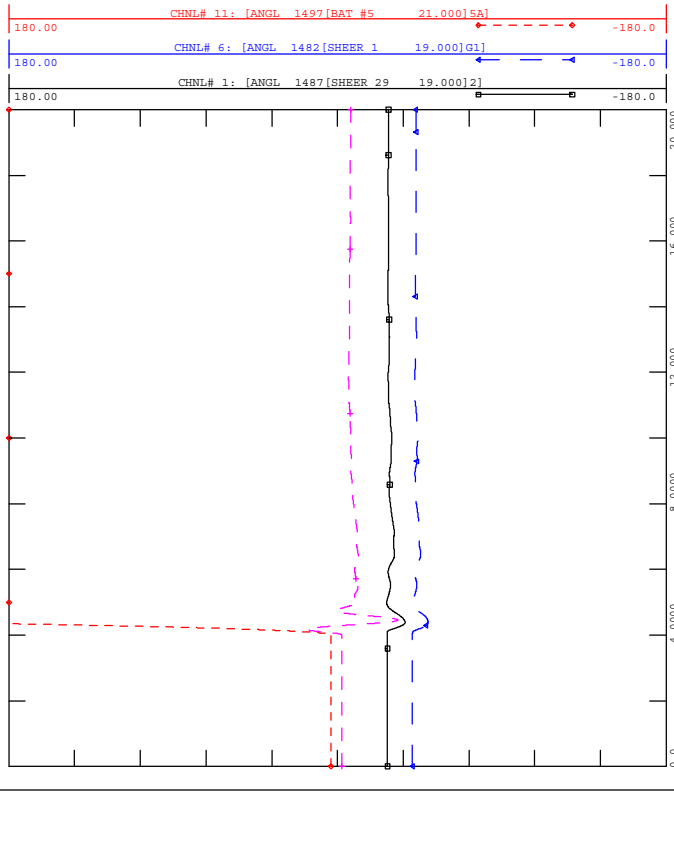
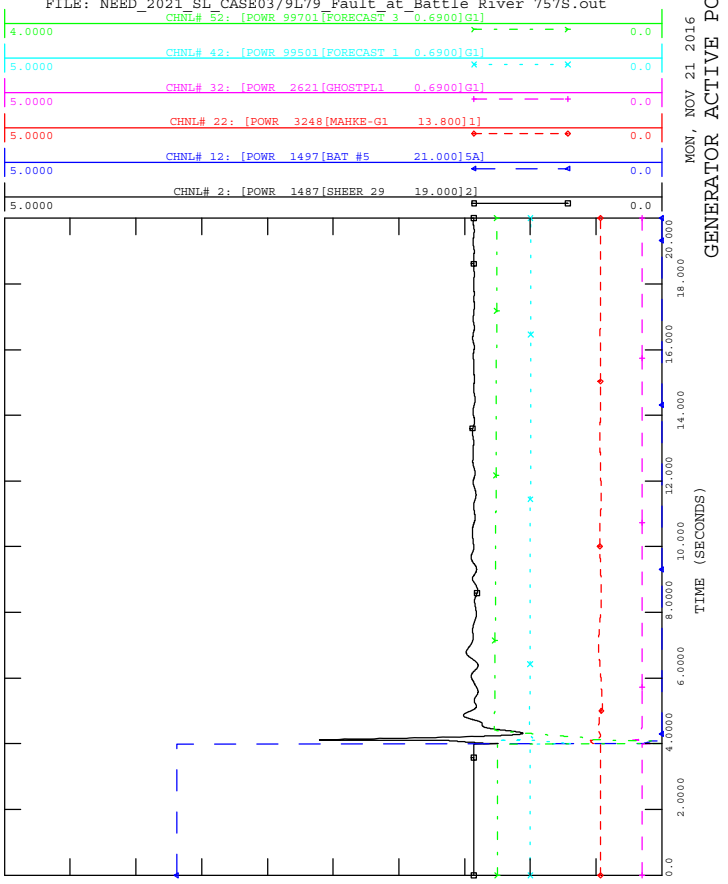
MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out



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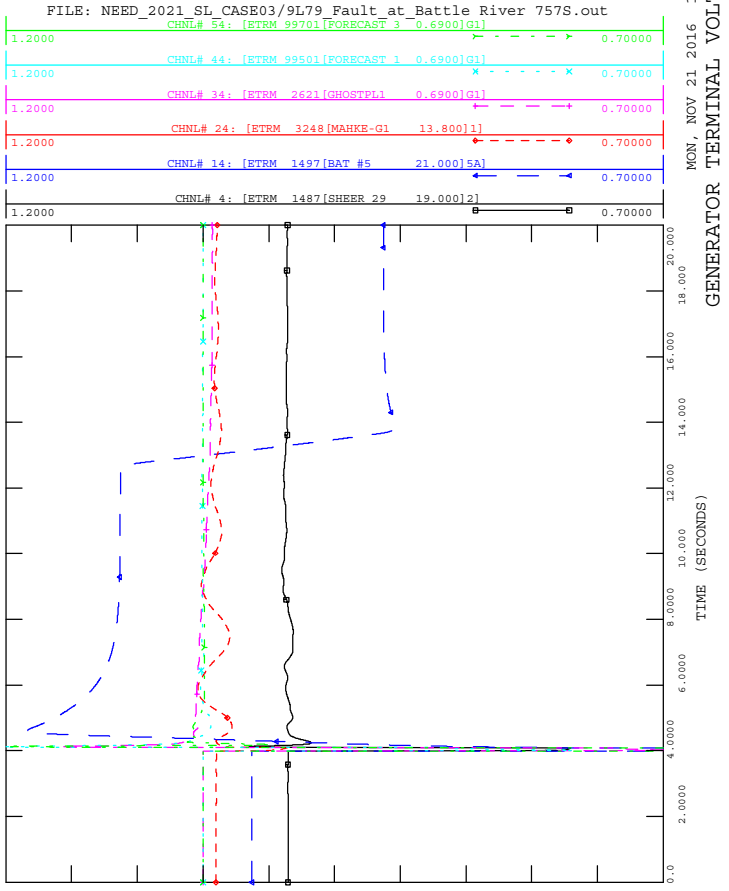
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

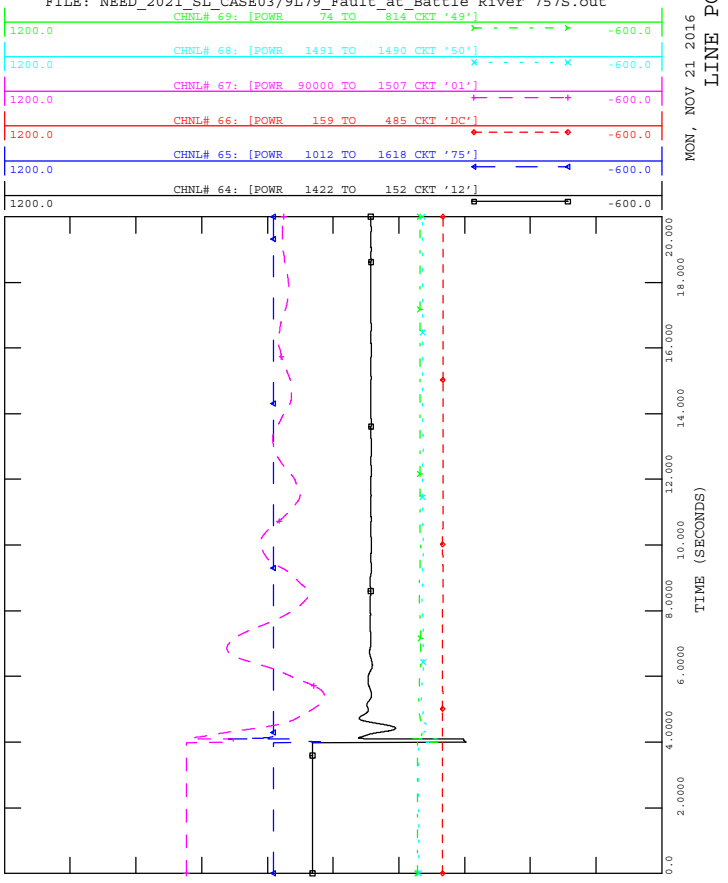
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out



MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

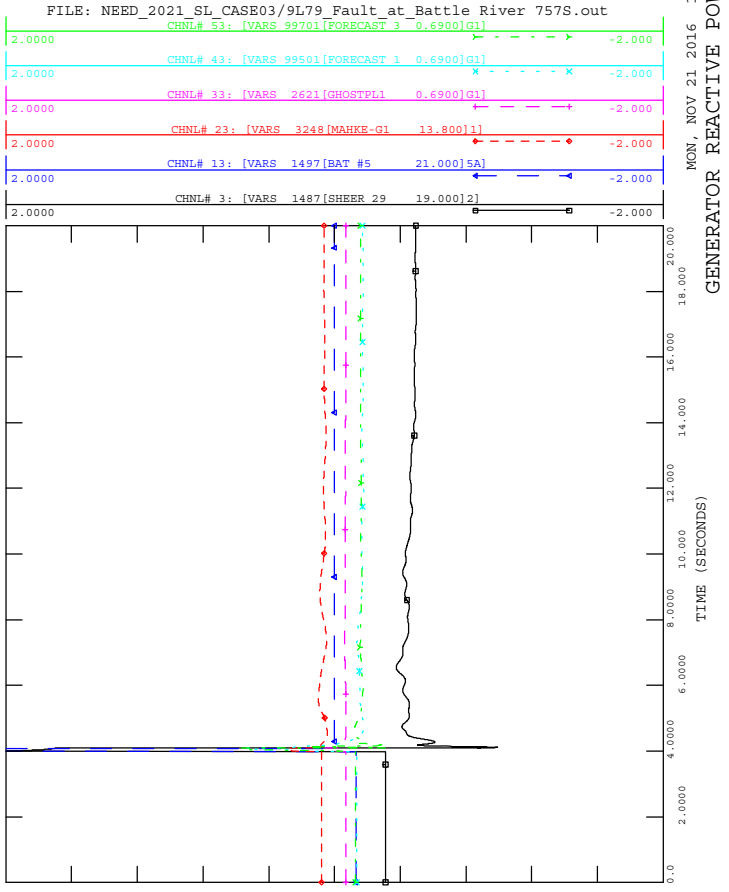
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out



MON, NOV 21 2016 13:33
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out



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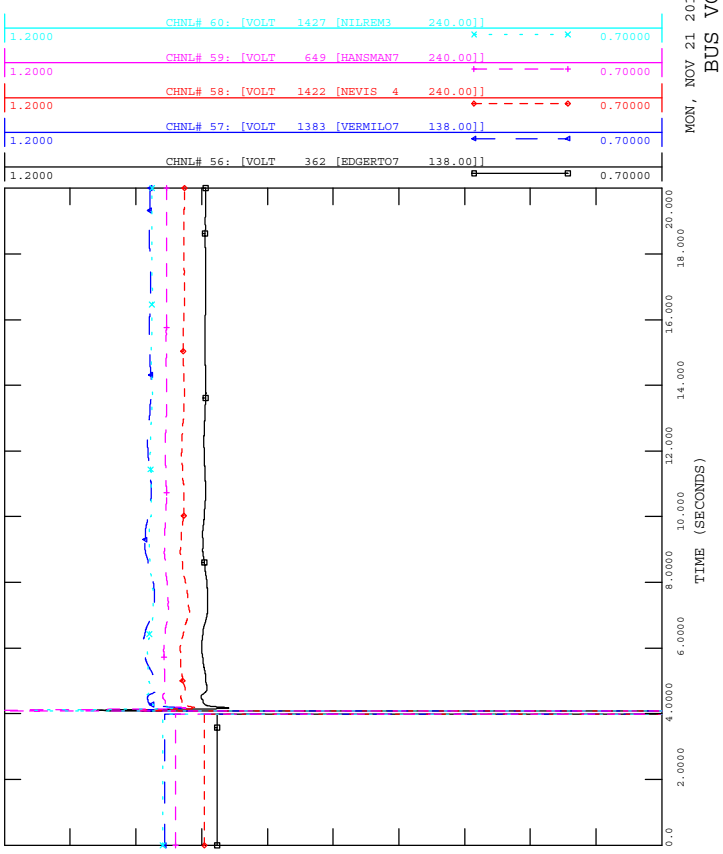
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out



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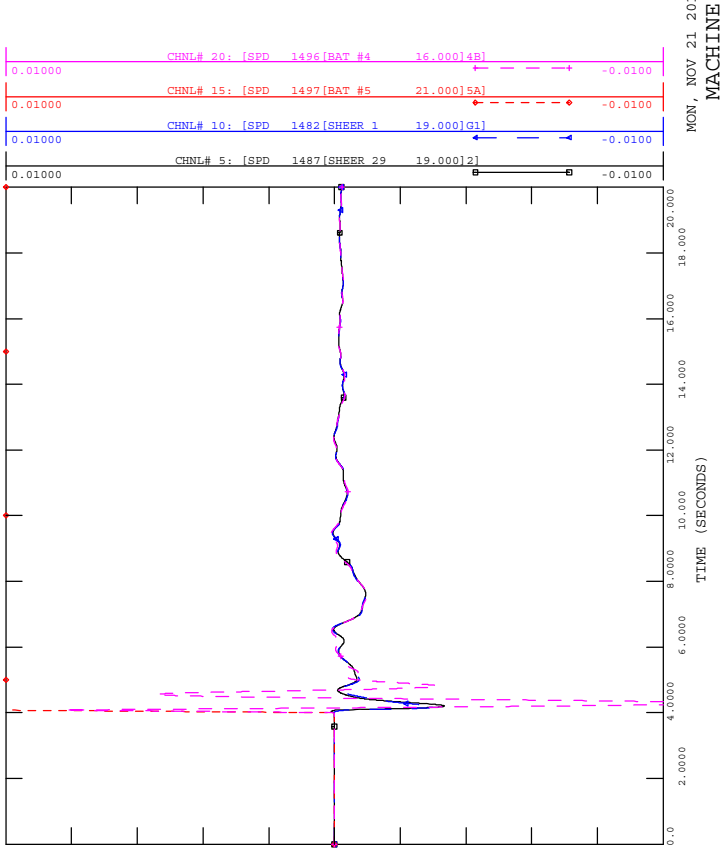
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out



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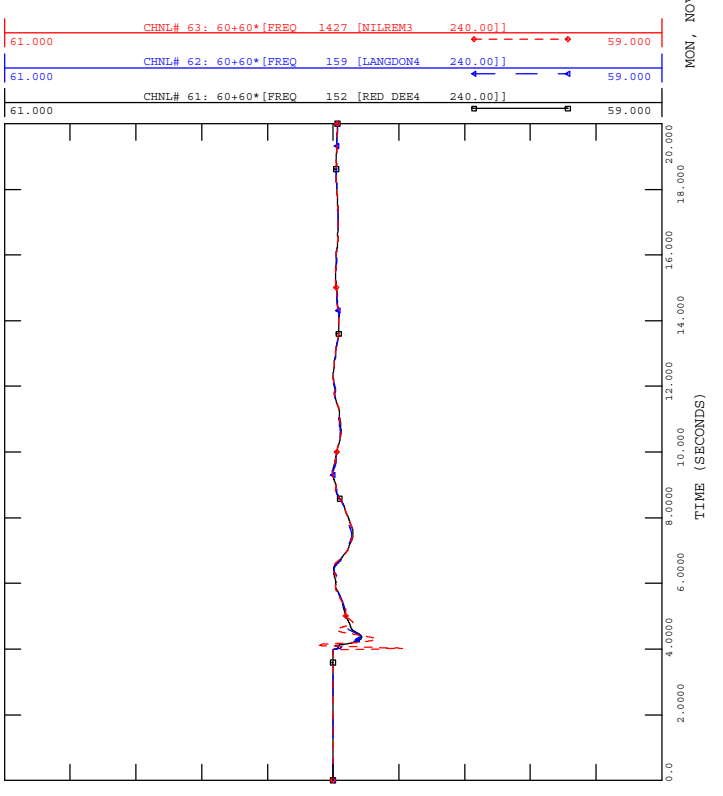
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

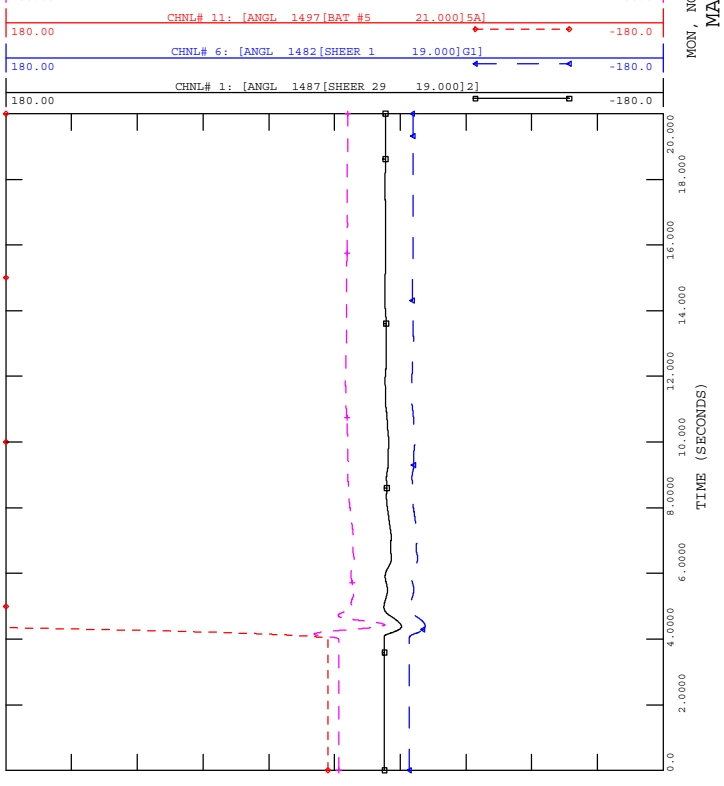
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out



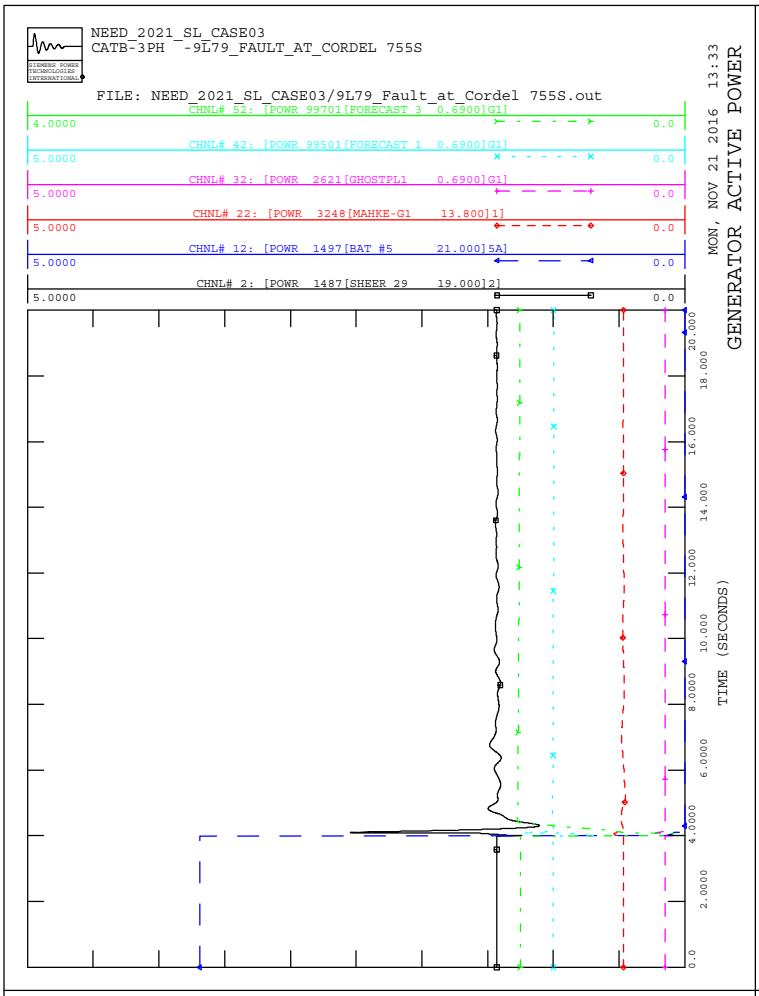
MON, NOV 21 2016 13:33
FREQUENCY

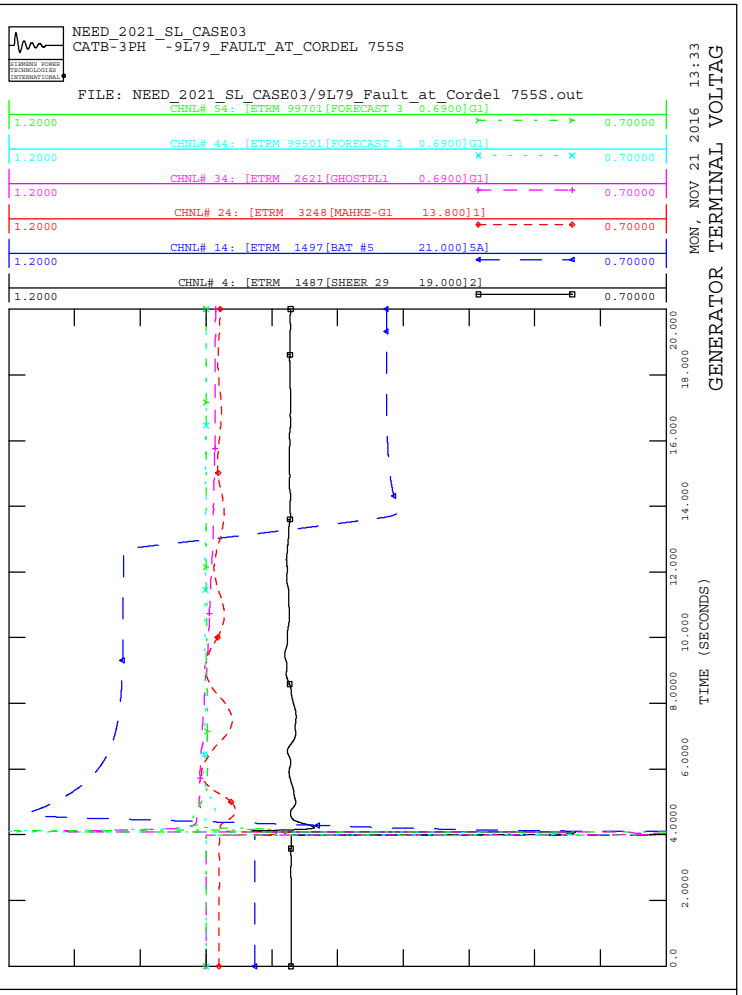
NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:33
MACHINE ANGEL


NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
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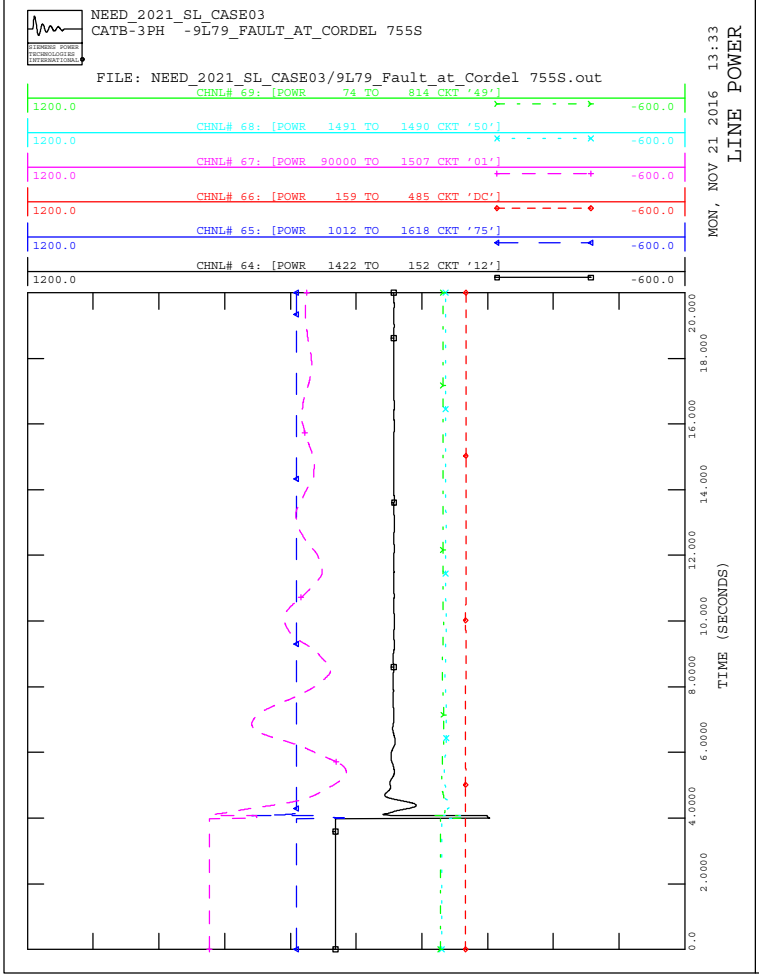
TIME (SECONDS)
MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG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CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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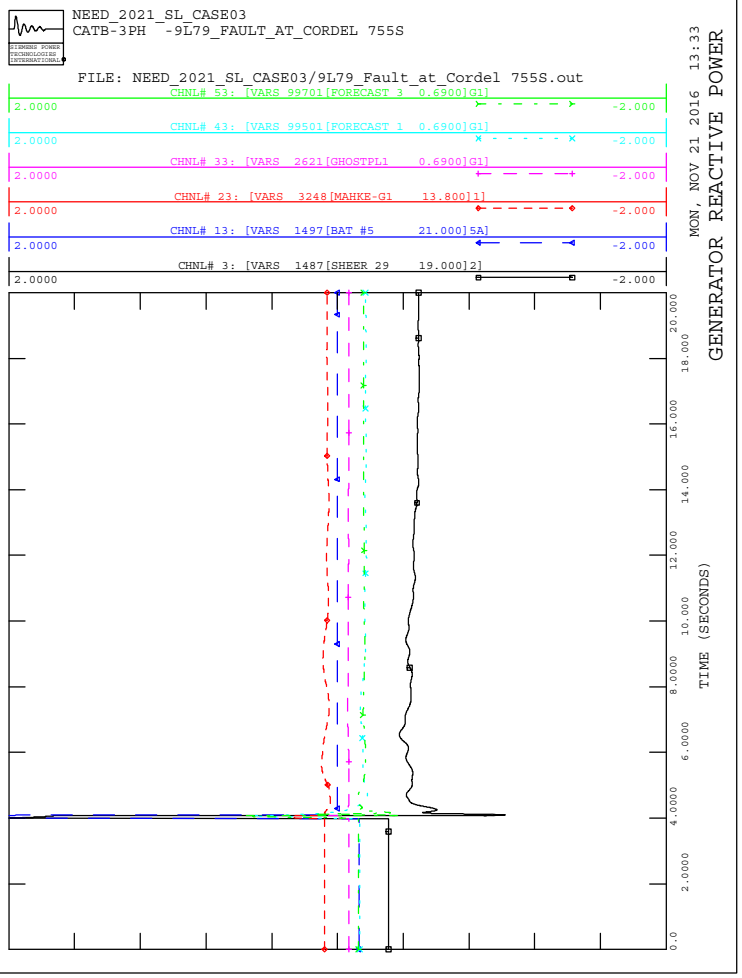
TIME (SECONDS)
MON, NOV 21 2016 13:33
LINE POWER

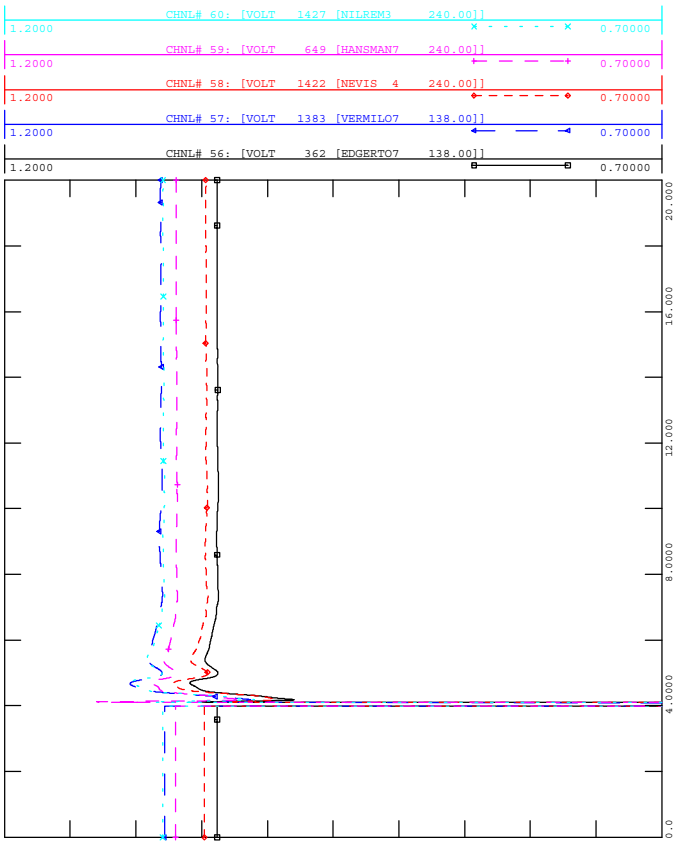

NEED_2021_SL_CASE03
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

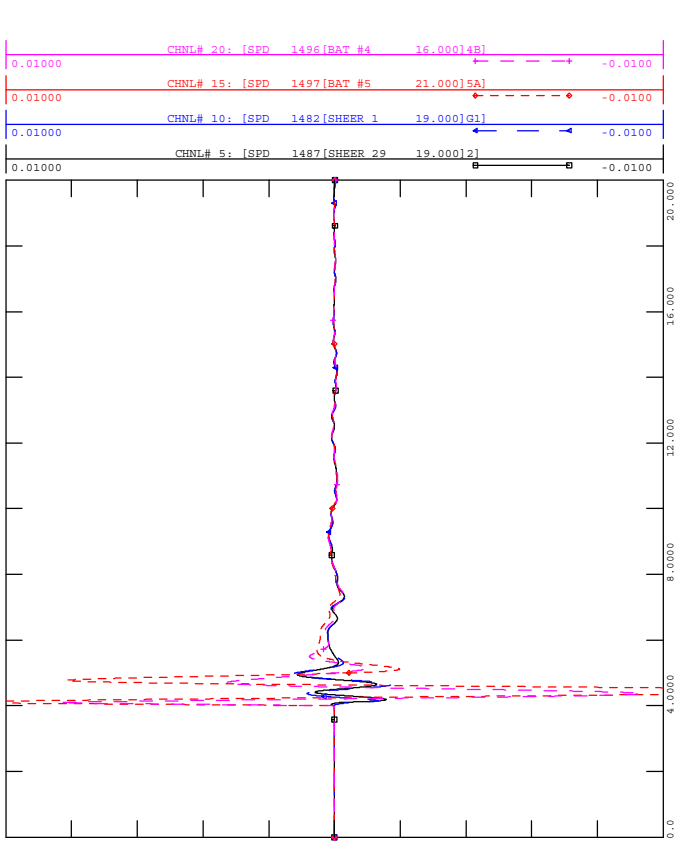


NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

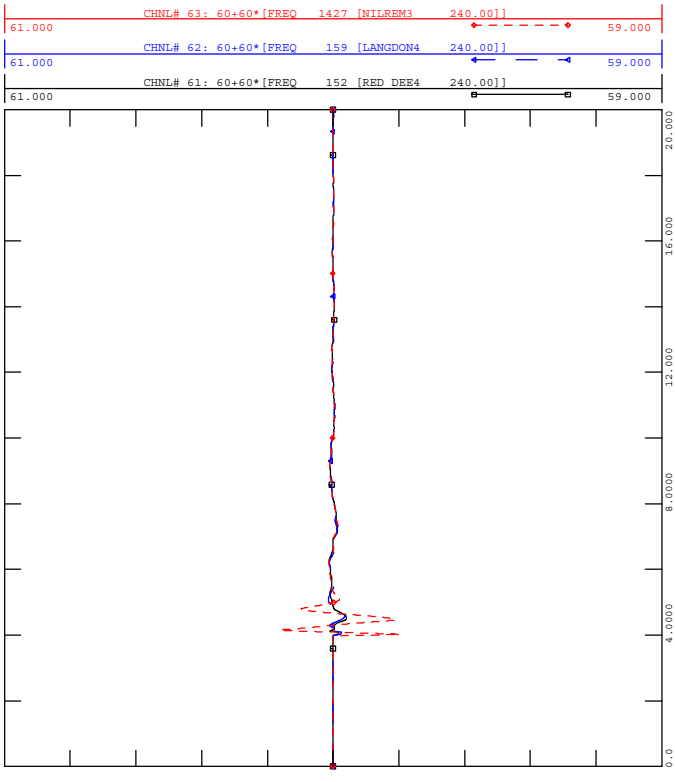


NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:33

FREQUENCY

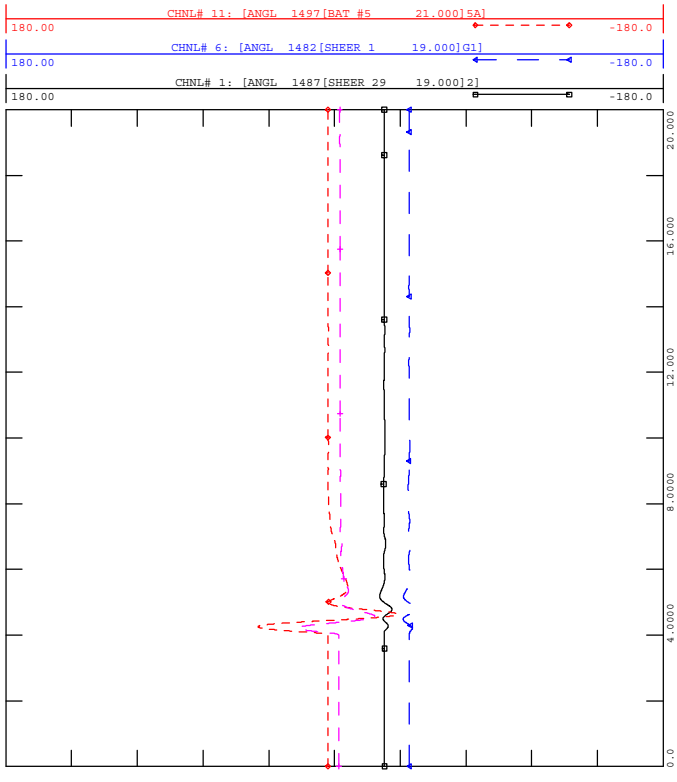


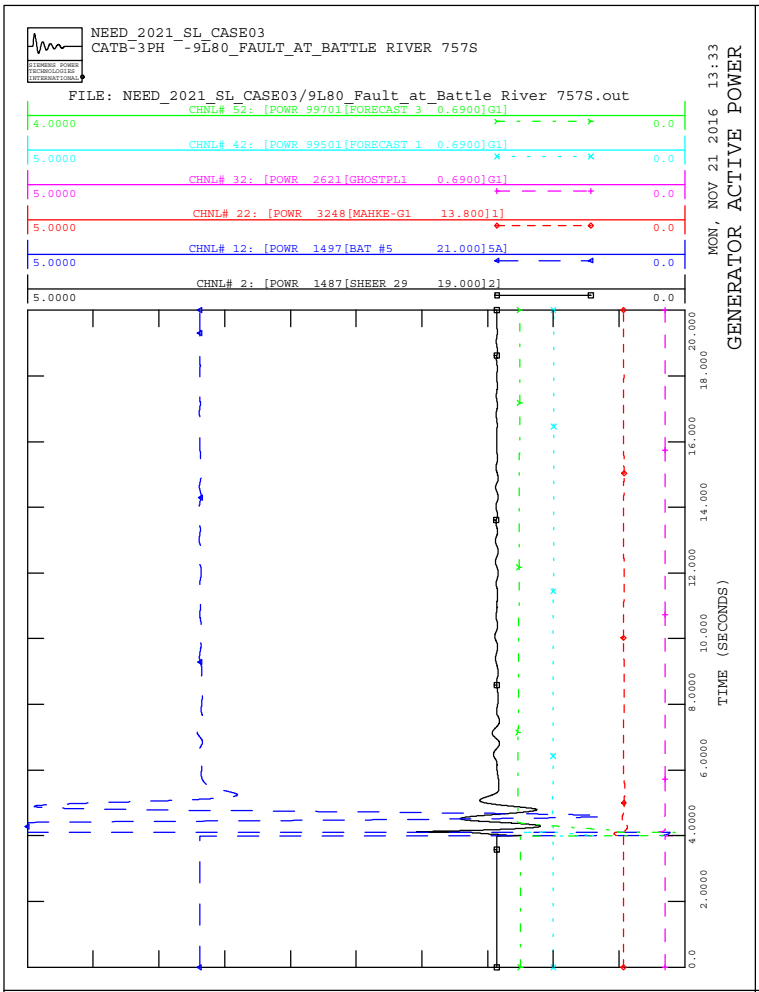
NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:33

MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
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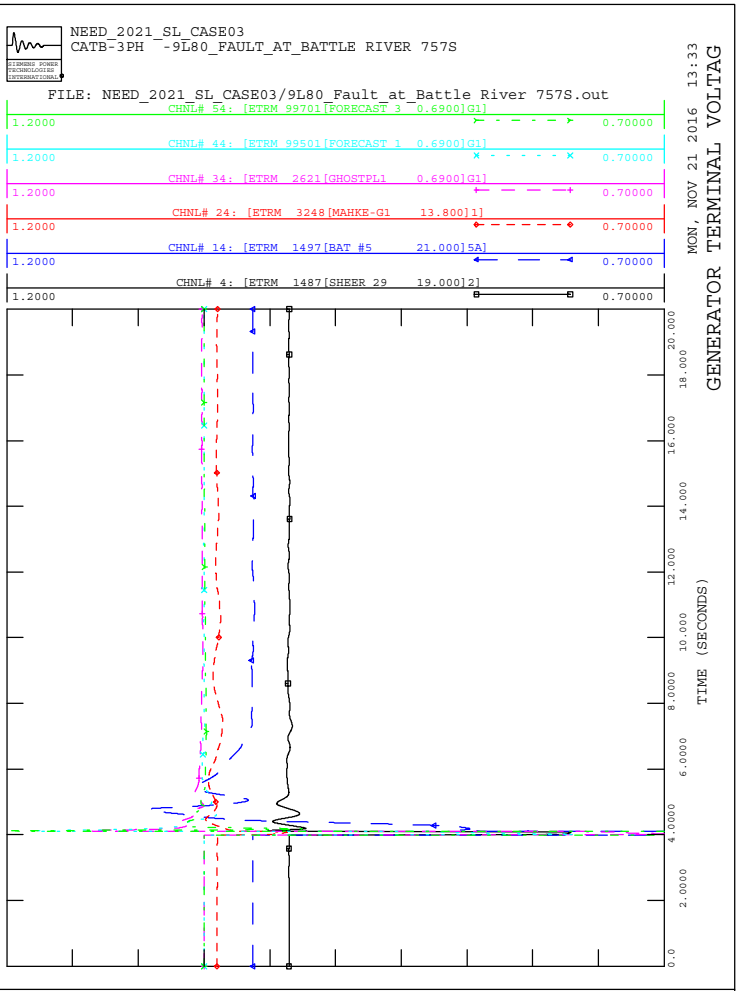
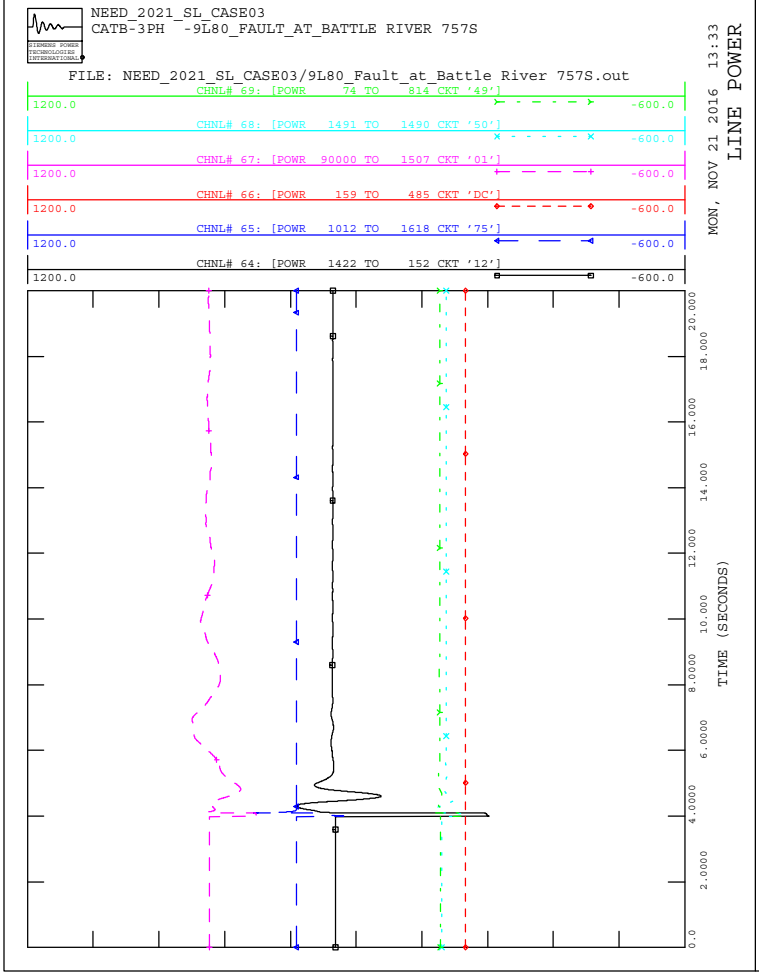
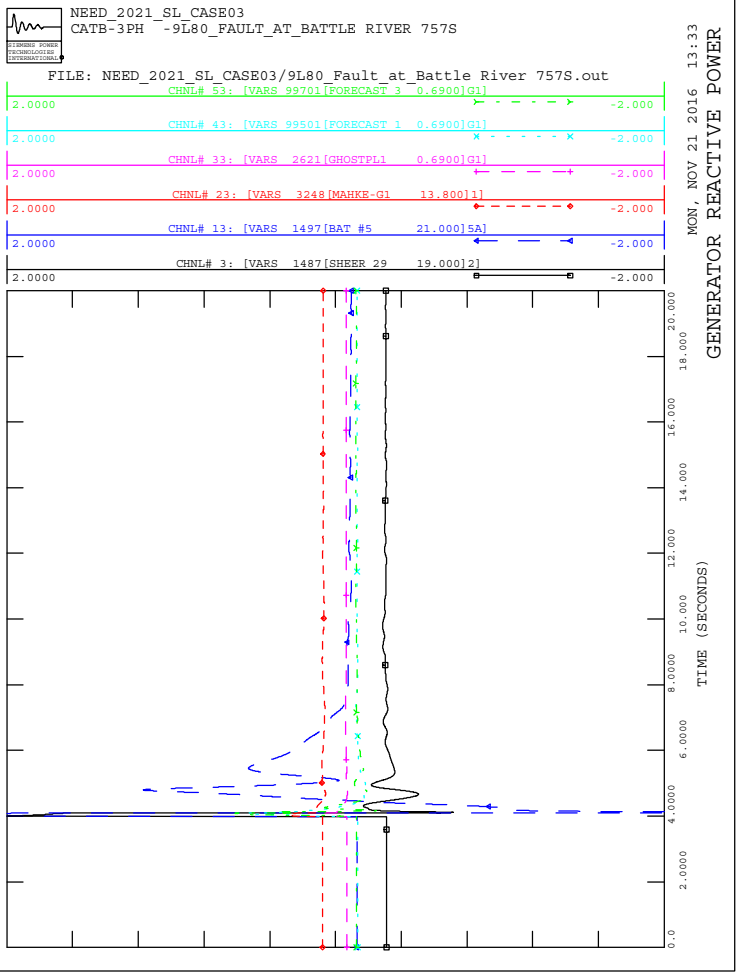
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:33
LINE POWER

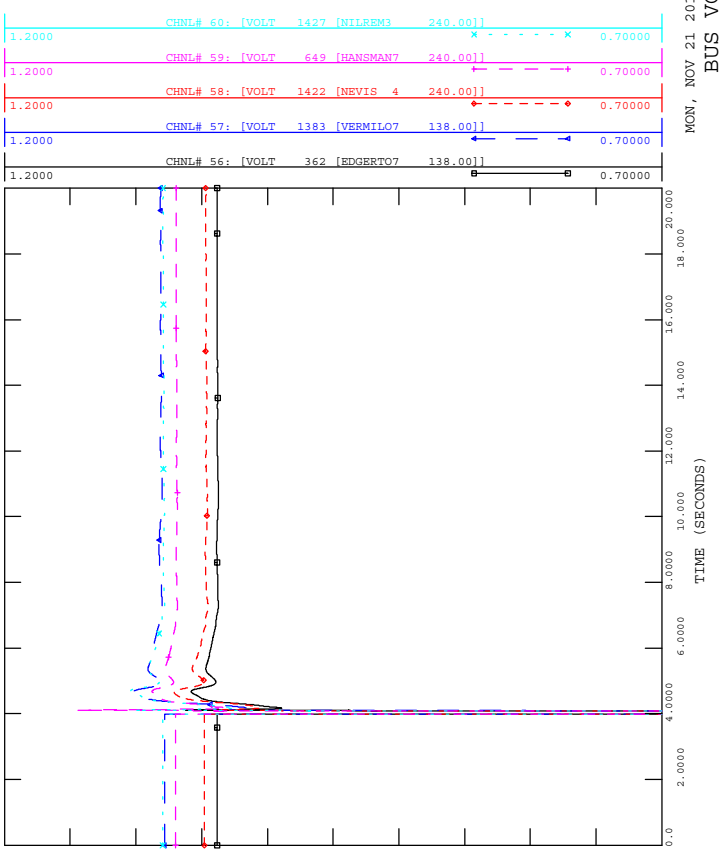

NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE



NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

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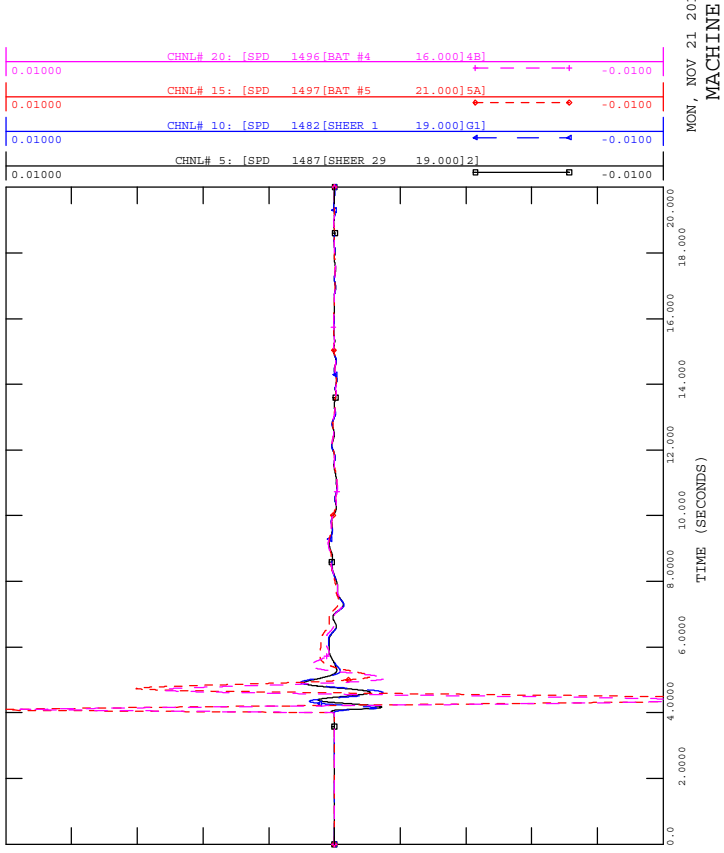
MON, NOV 21 2016 13:33

MACHINE SPEED



NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

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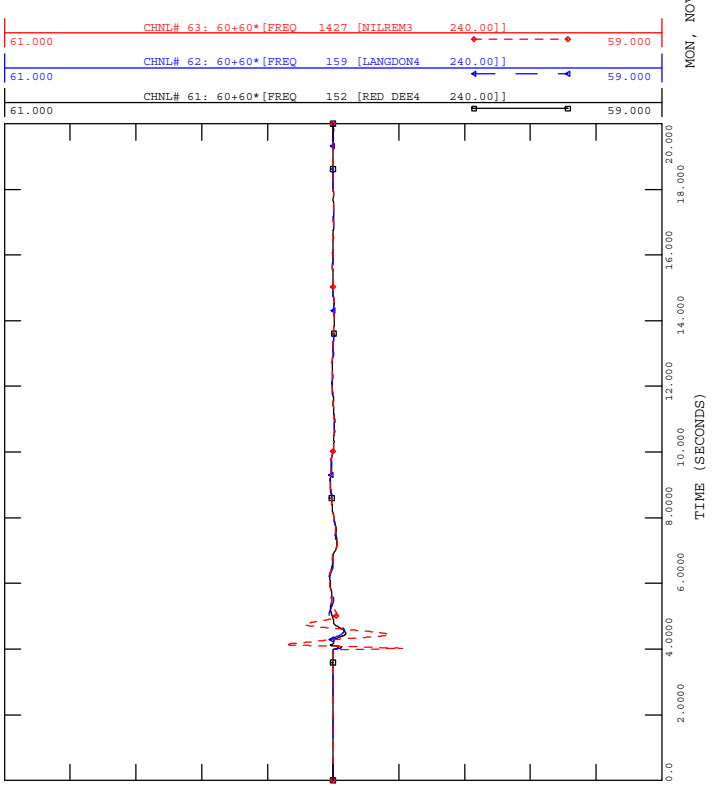
MON, NOV 21 2016 13:33

FREQUENCY



NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

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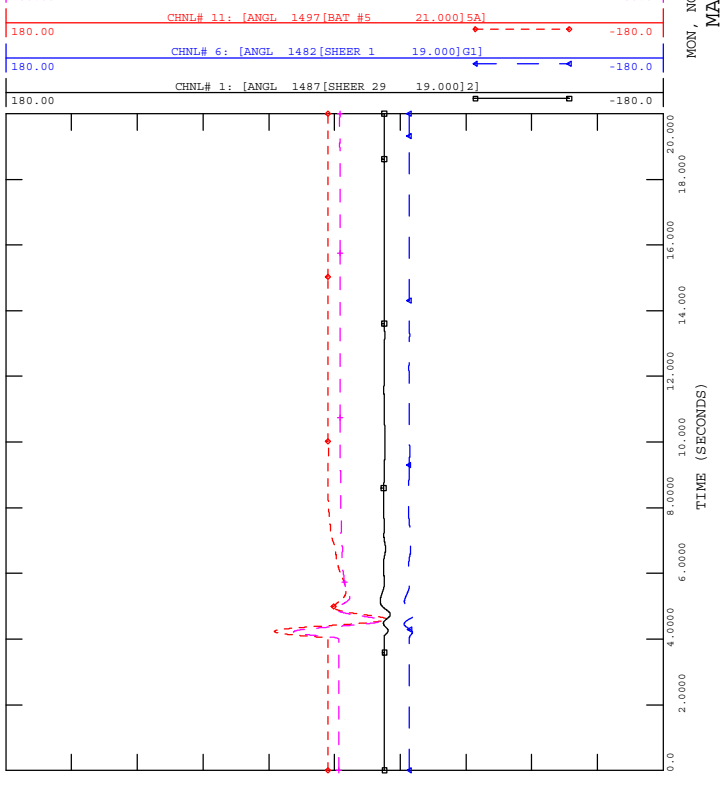
MON, NOV 21 2016 13:33

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

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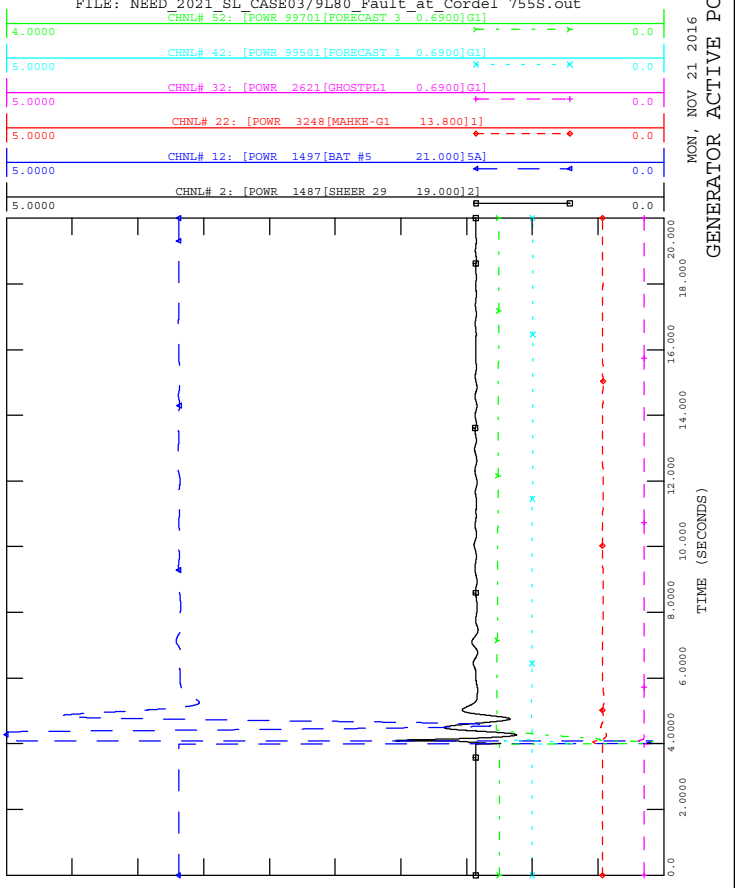
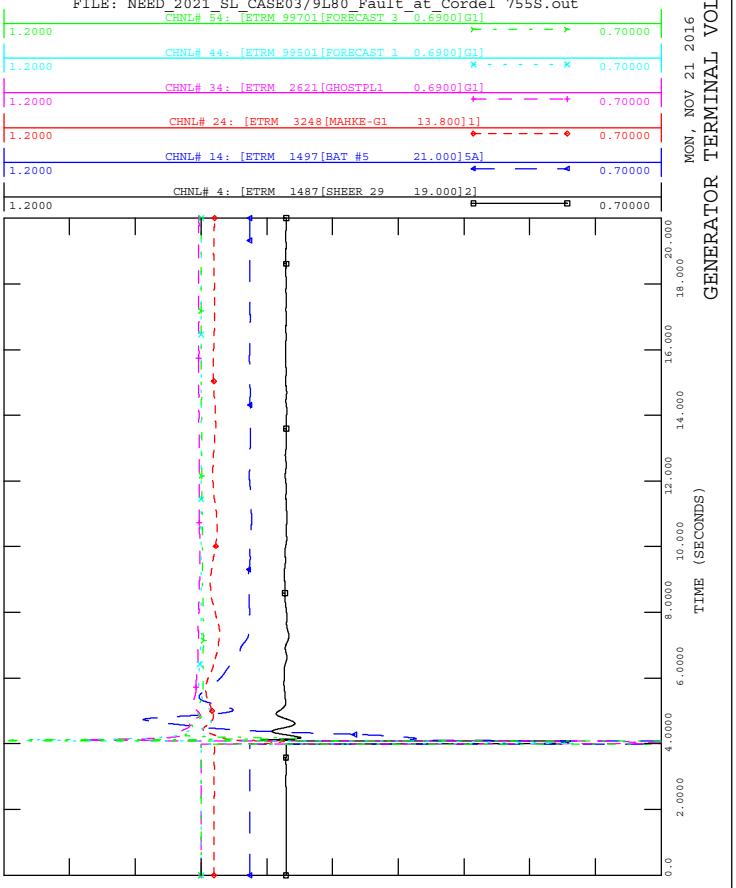


MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

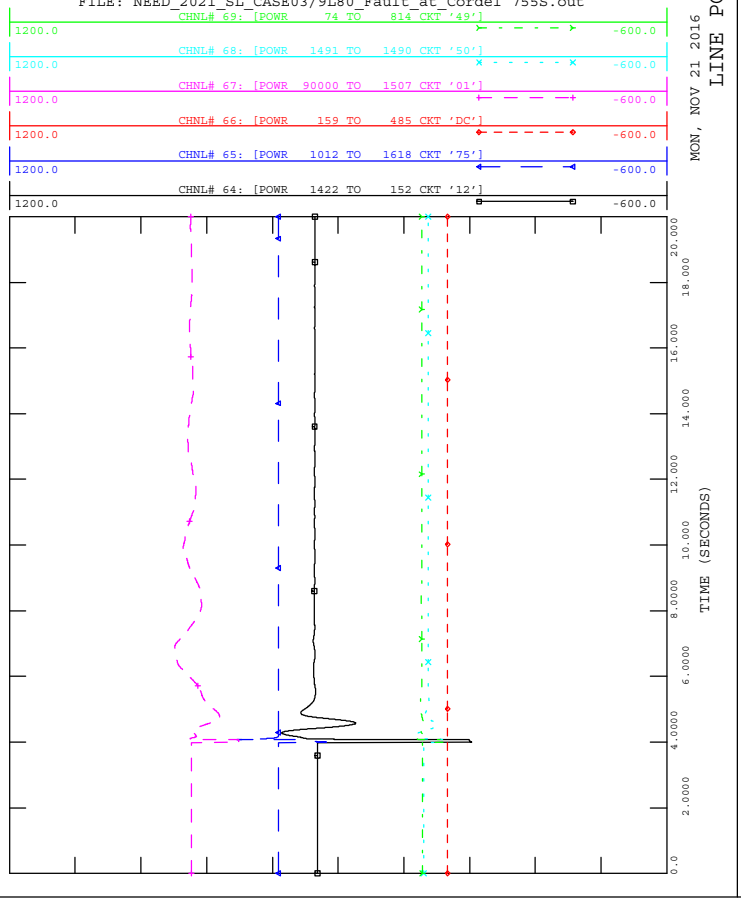
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

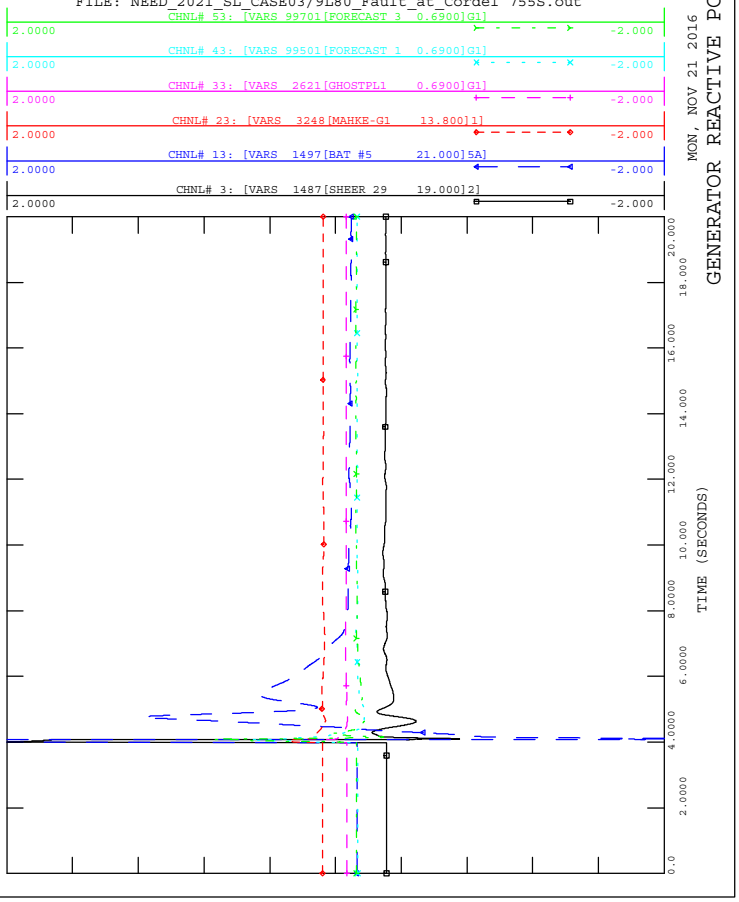
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:33
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out

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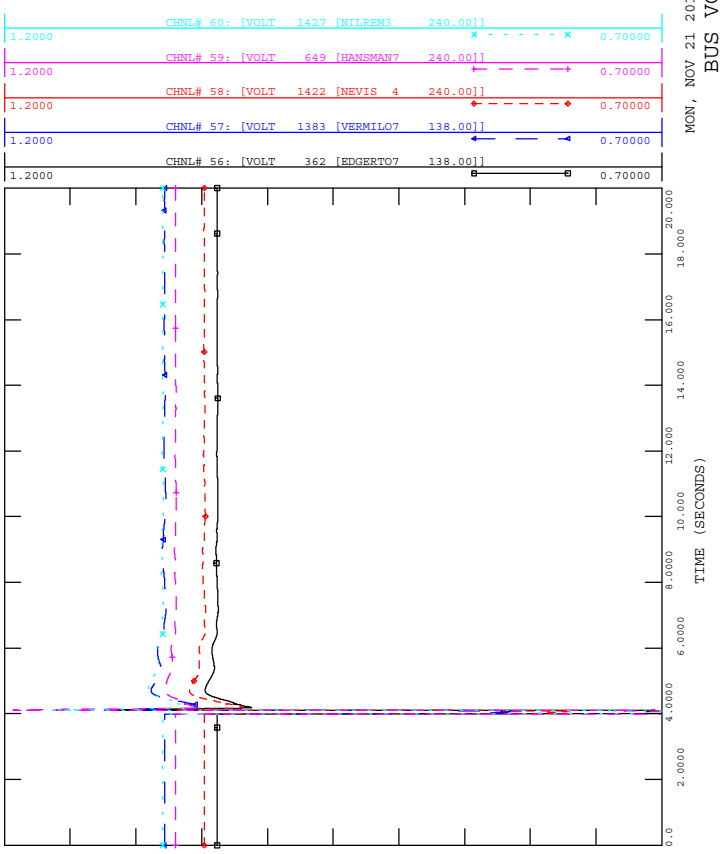
BUS VOLTAGE

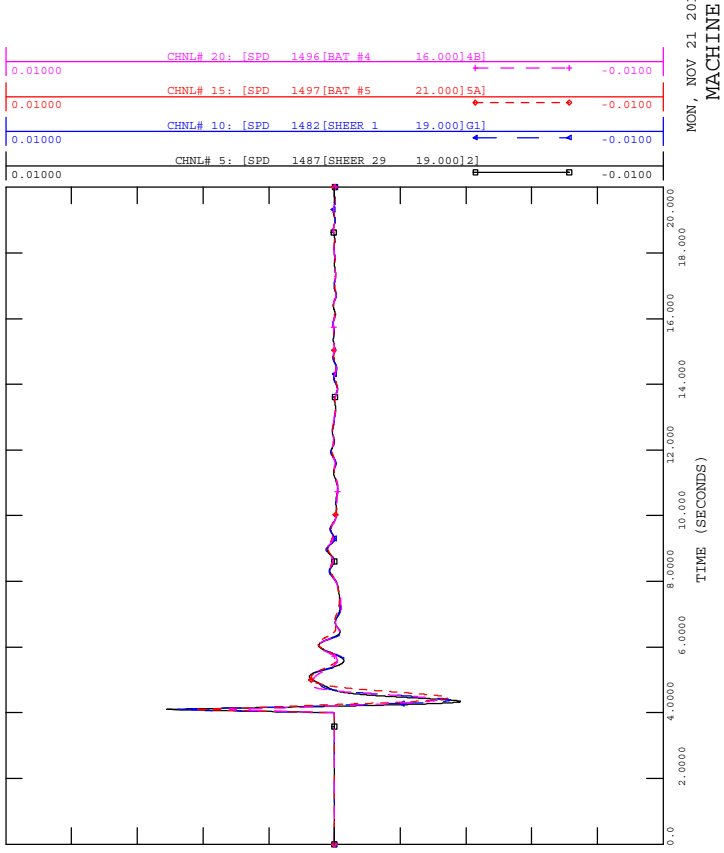


NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

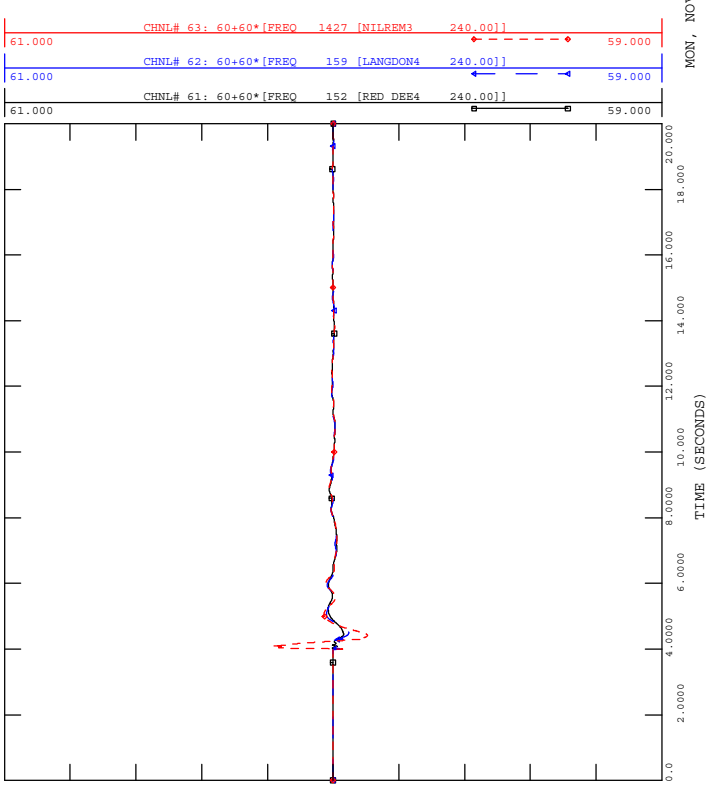


NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:33

FREQUENCY

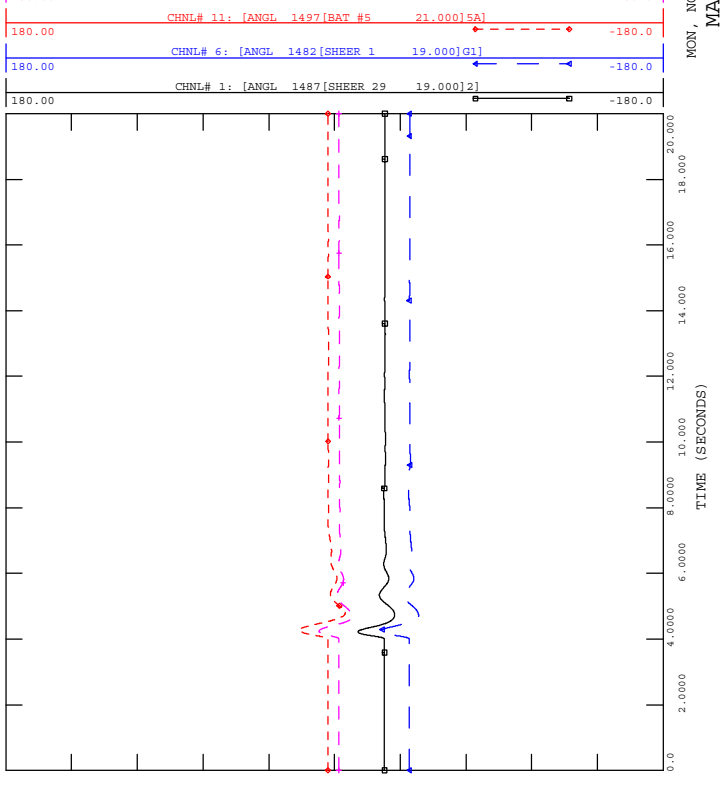


NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out

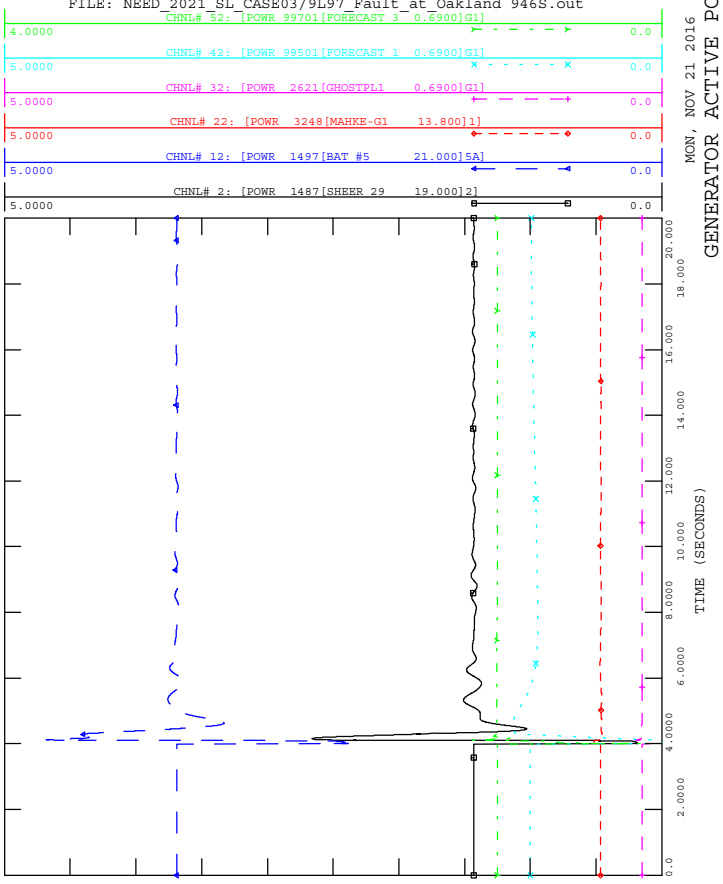
MON, NOV 21 2016 13:33

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out

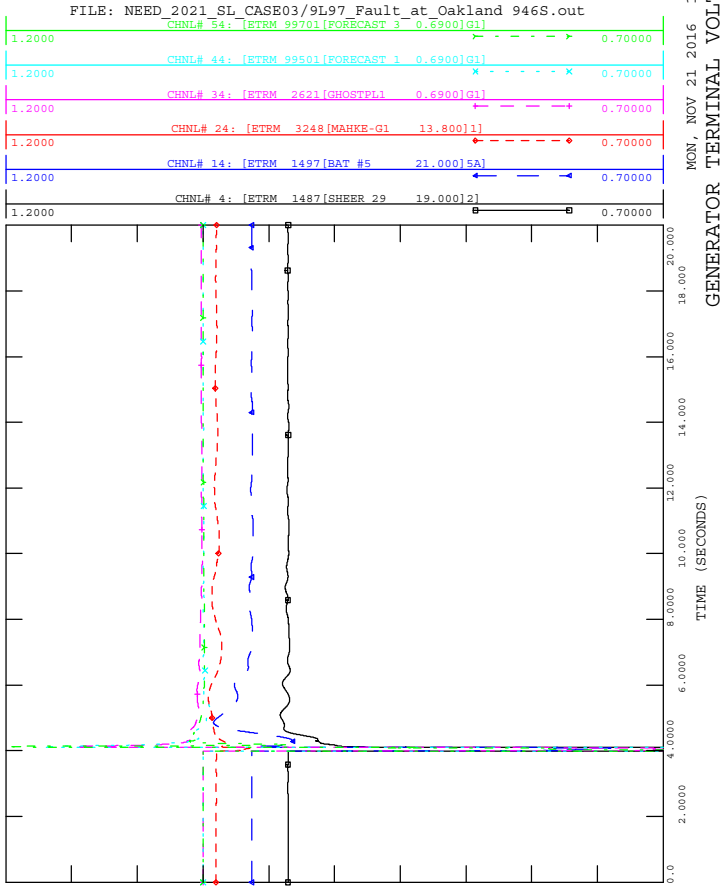


MON, NOV 21 2016 13:33

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out

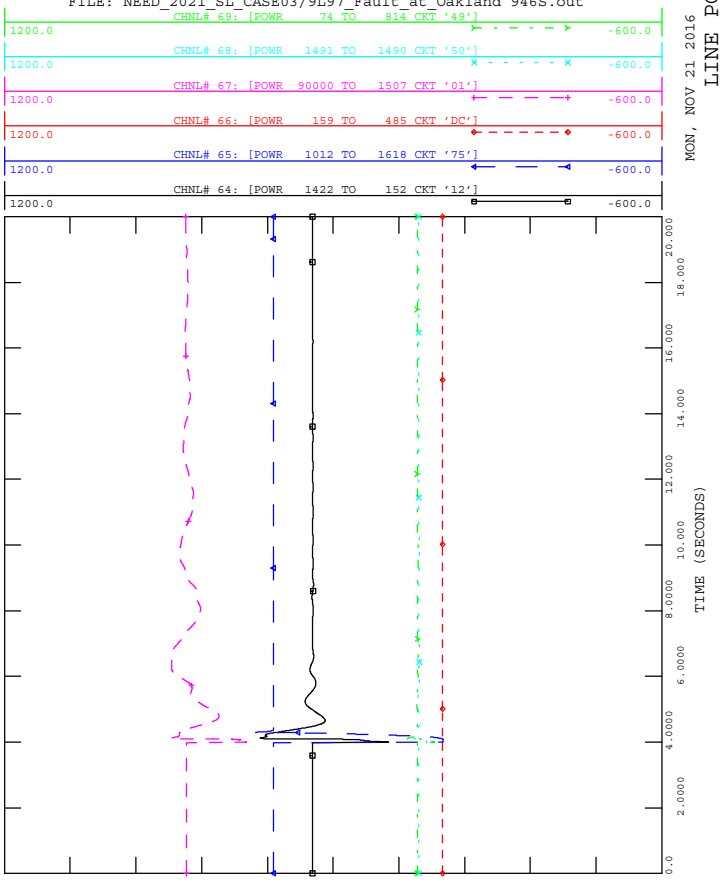


MON, NOV 21 2016 13:33

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out

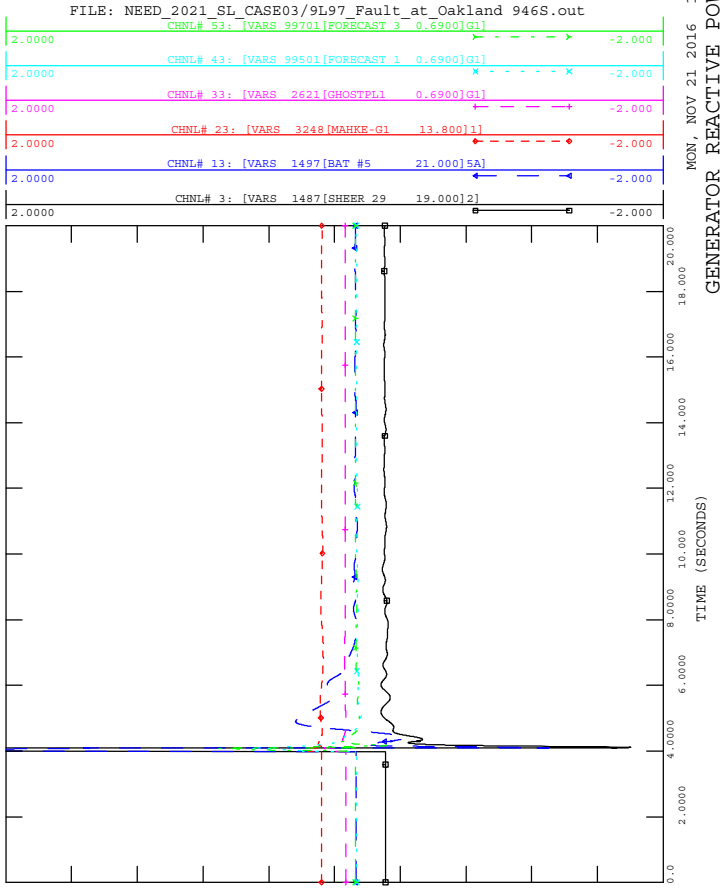


MON, NOV 21 2016 13:33

LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out



MON, NOV 21 2016 13:33

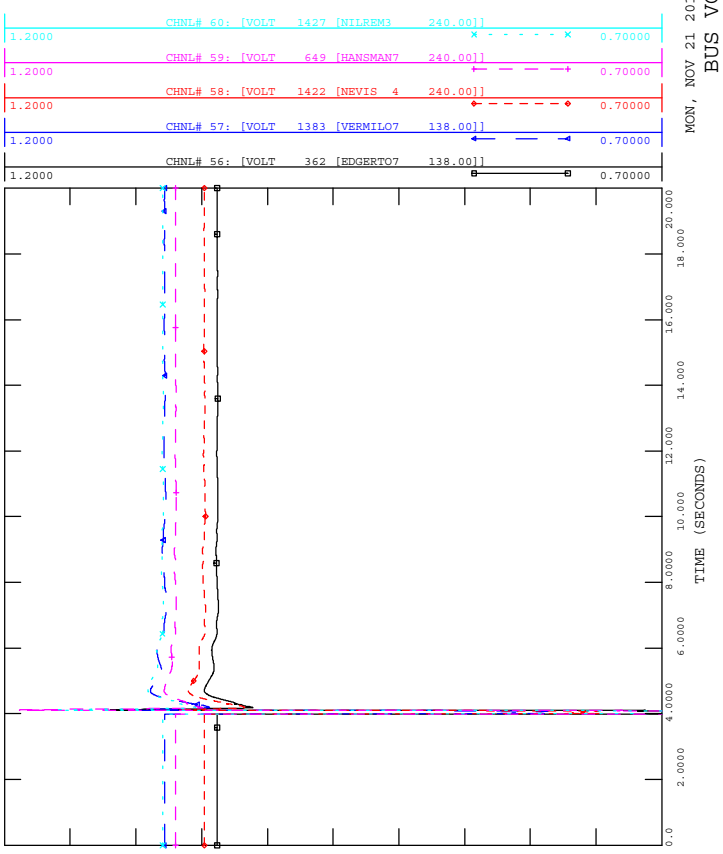
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out

MON, NOV 21 2016 13:33

BUS VOLTAGE

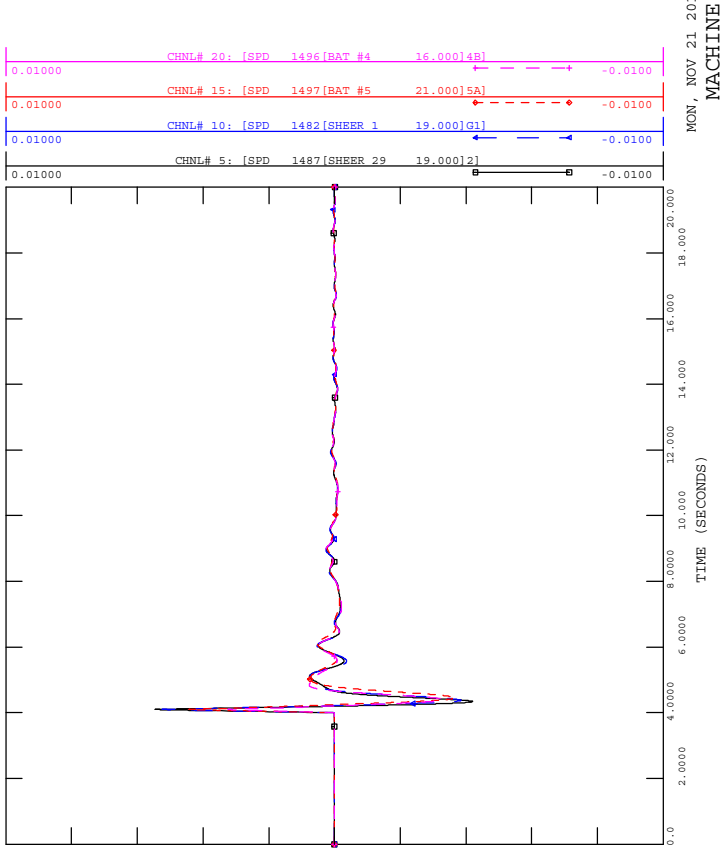


NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out

MON, NOV 21 2016 13:33

MACHINE SPEED

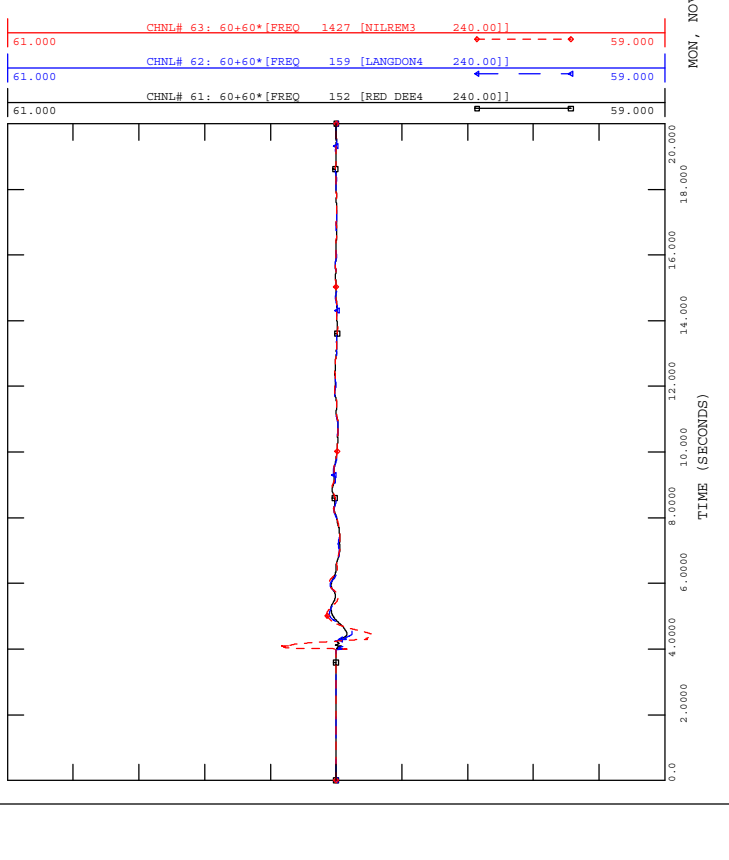


NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out

MON, NOV 21 2016 13:33

FREQUENCY

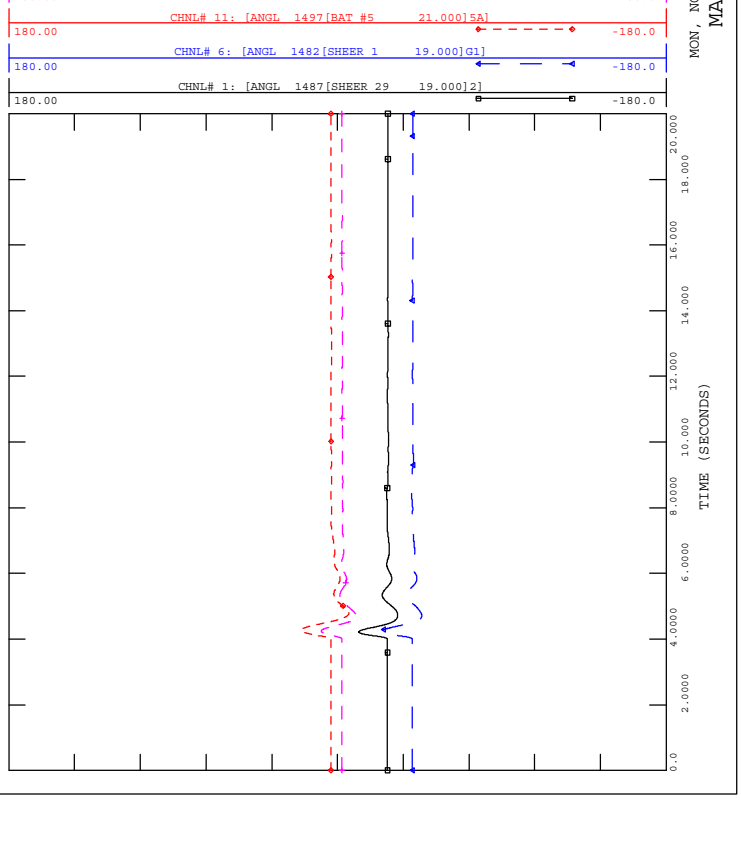


NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out

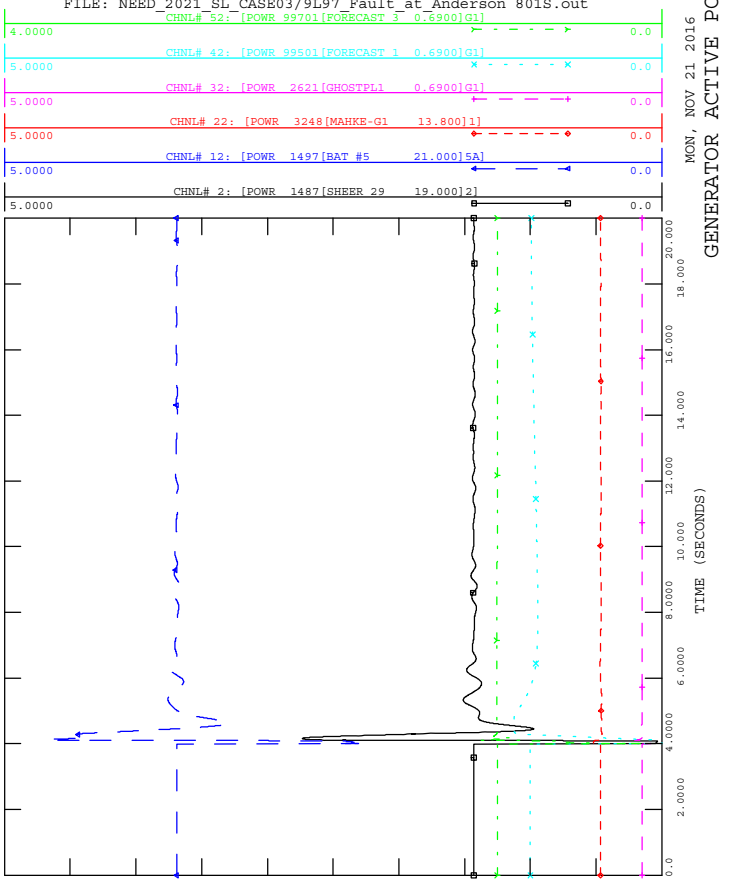
MON, NOV 21 2016 13:33

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

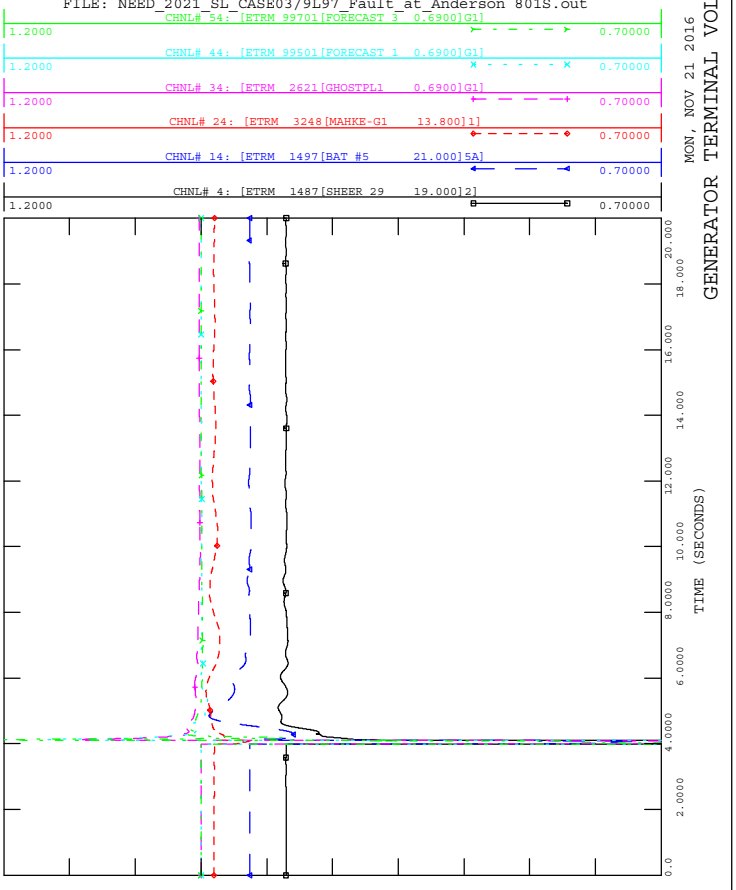
FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out



MON, NOV 21 2016 13:33
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

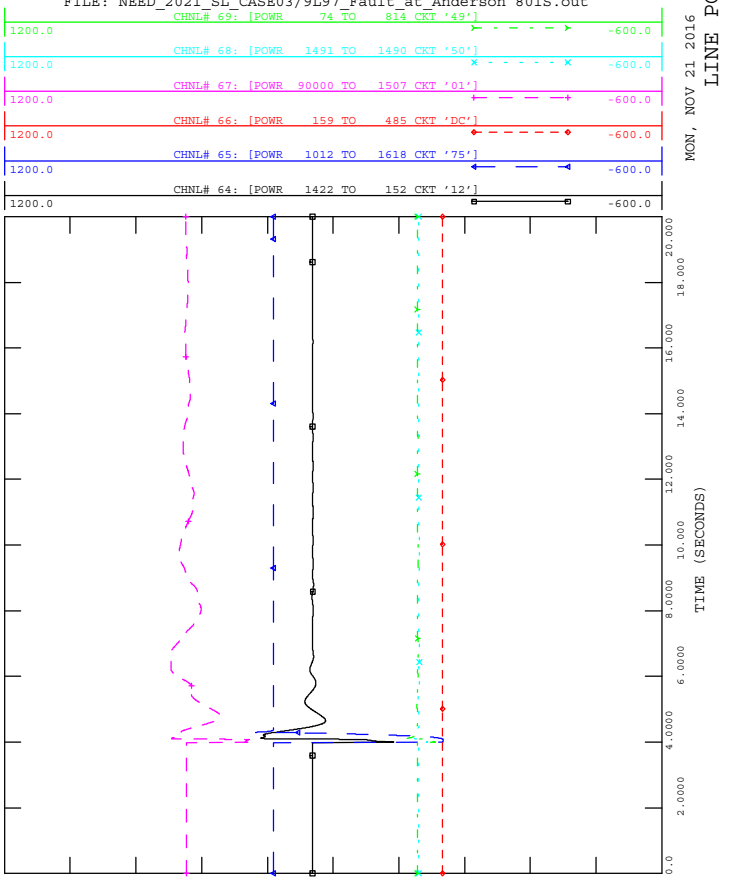
FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out



MON, NOV 21 2016 13:33
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

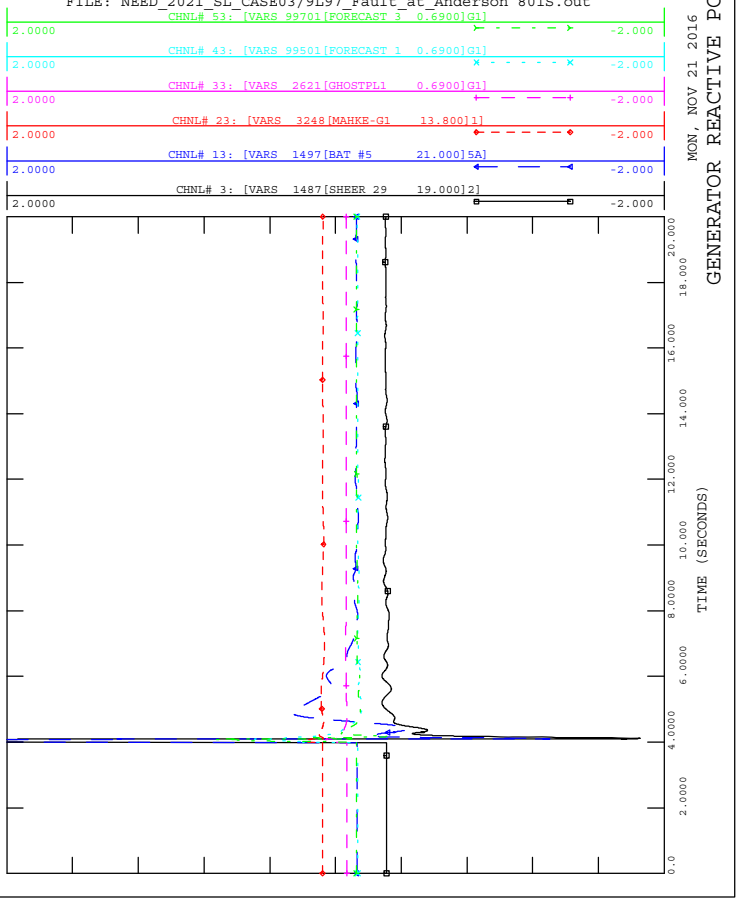
FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out



MON, NOV 21 2016 13:33
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out



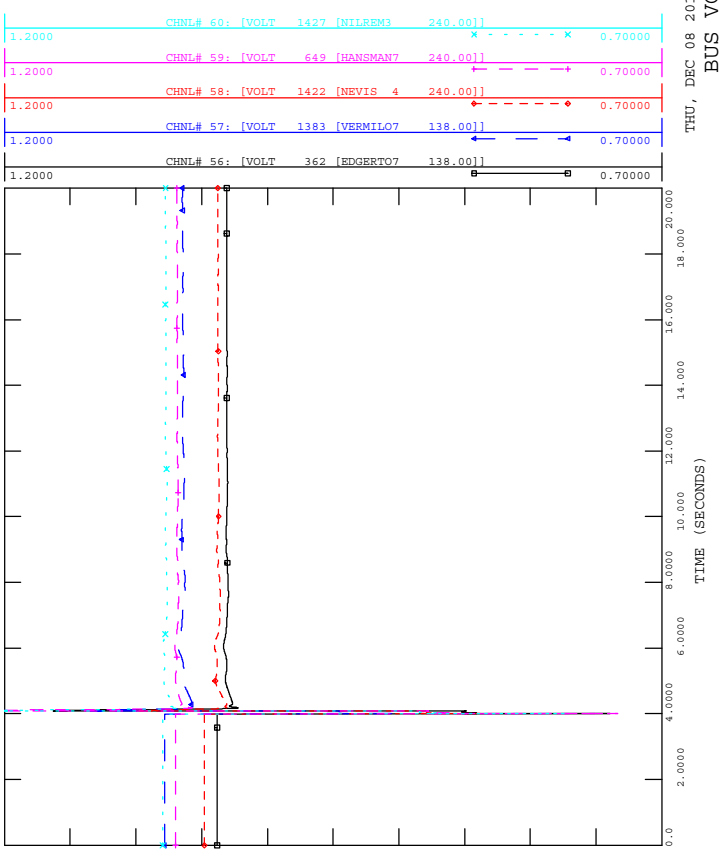
MON, NOV 21 2016 13:33
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out

THU, DEC 08 2016 21:34

BUS VOLTAGE

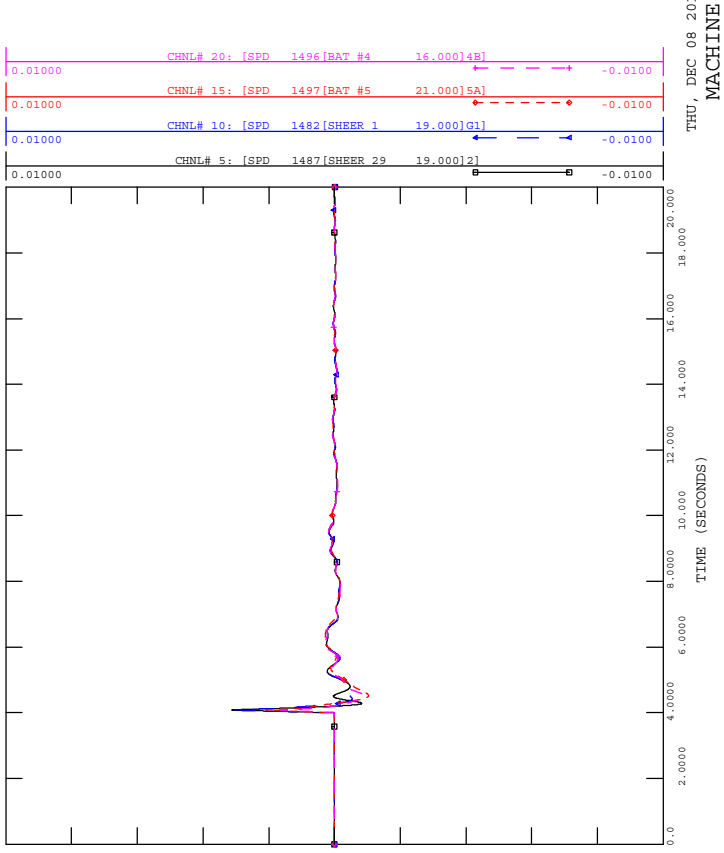


NEED_2021_SL_CASE03
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out

THU, DEC 08 2016 21:34

MACHINE SPEED

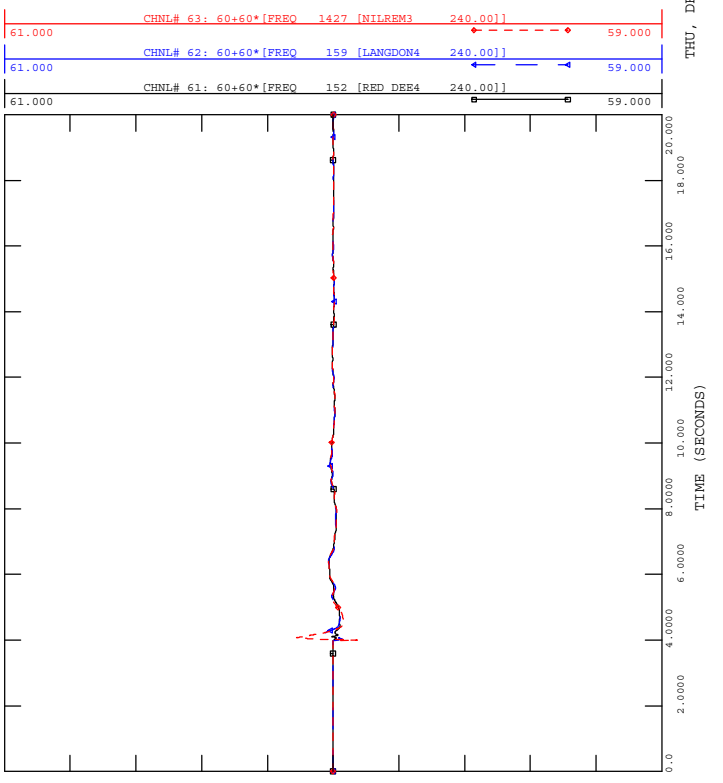


NEED_2021_SL_CASE03
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out

THU, DEC 08 2016 21:34

FREQUENCY

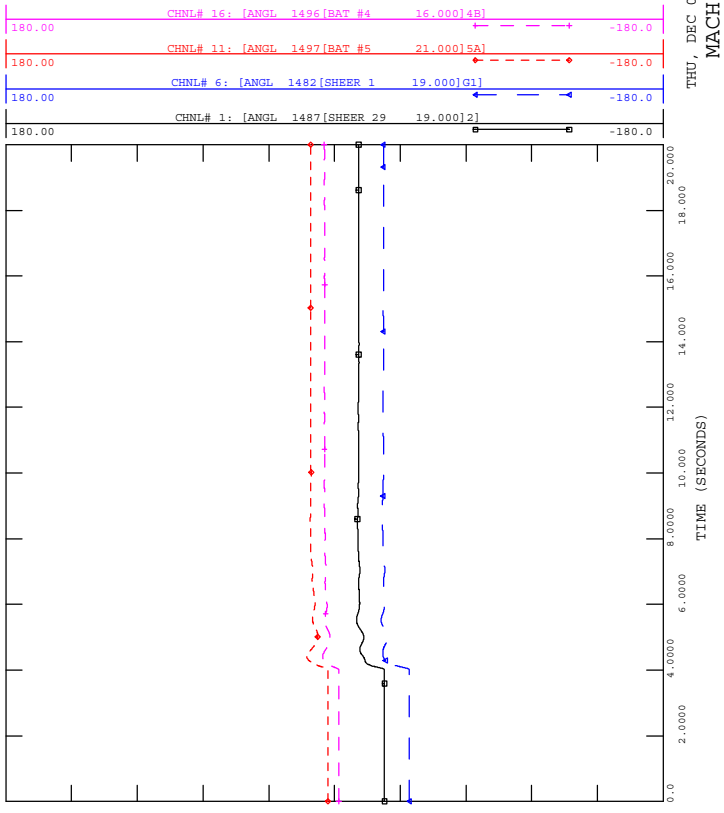


NEED_2021_SL_CASE03
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out

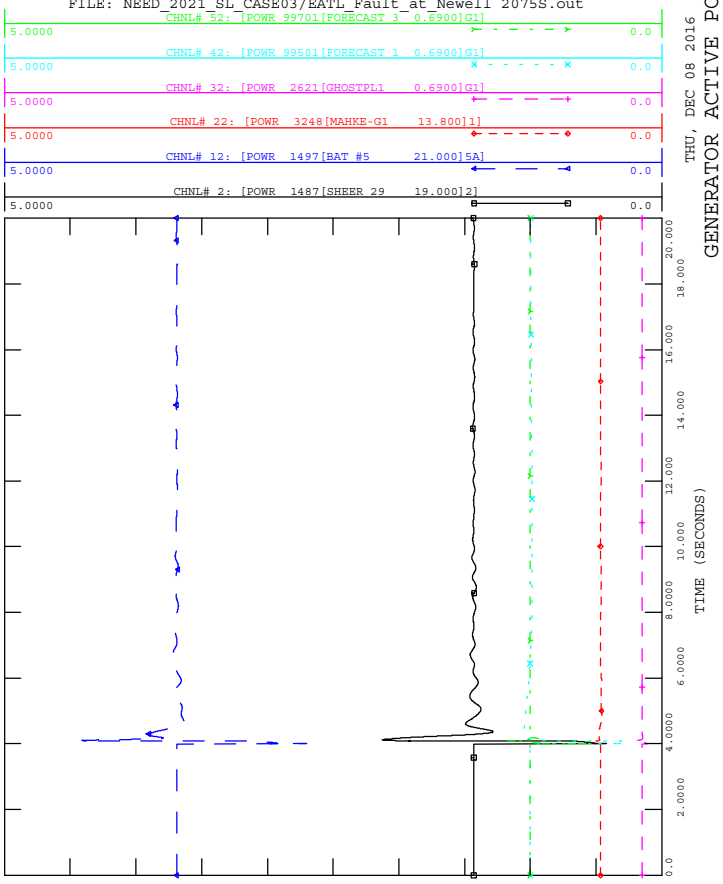
THU, DEC 08 2016 21:34

MACHINE ANGLE



NEED_2021_SL_CASE03
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

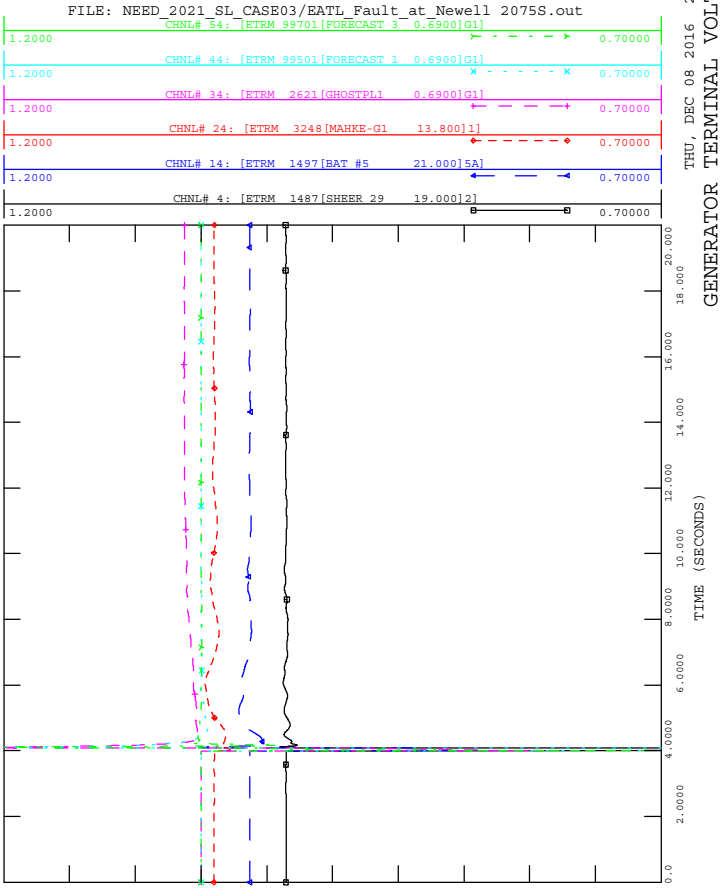
FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out



THU, DEC 08 2016 21:34
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

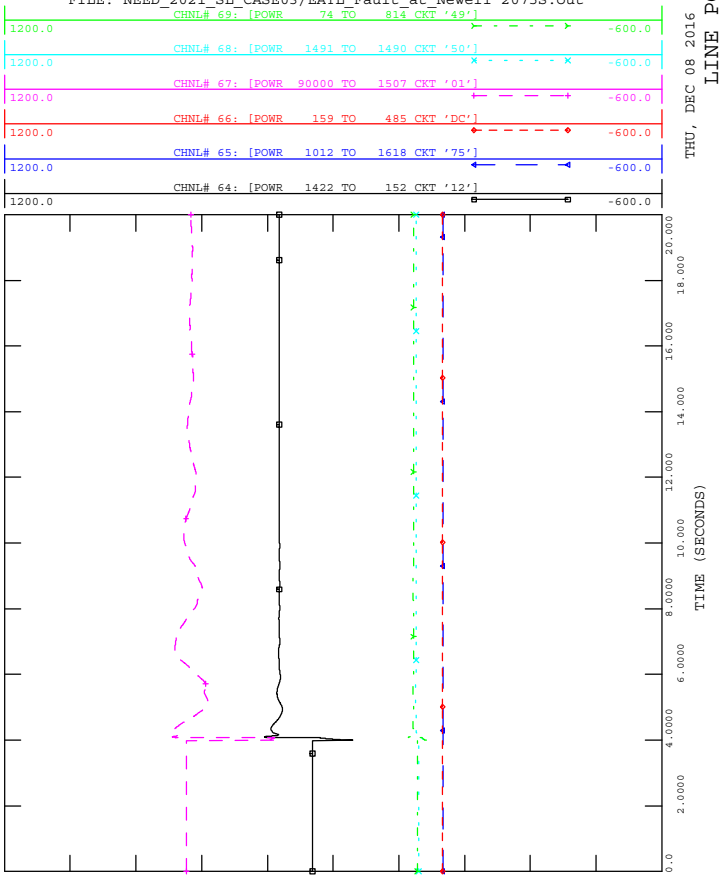
FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out



THU, DEC 08 2016 21:34
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

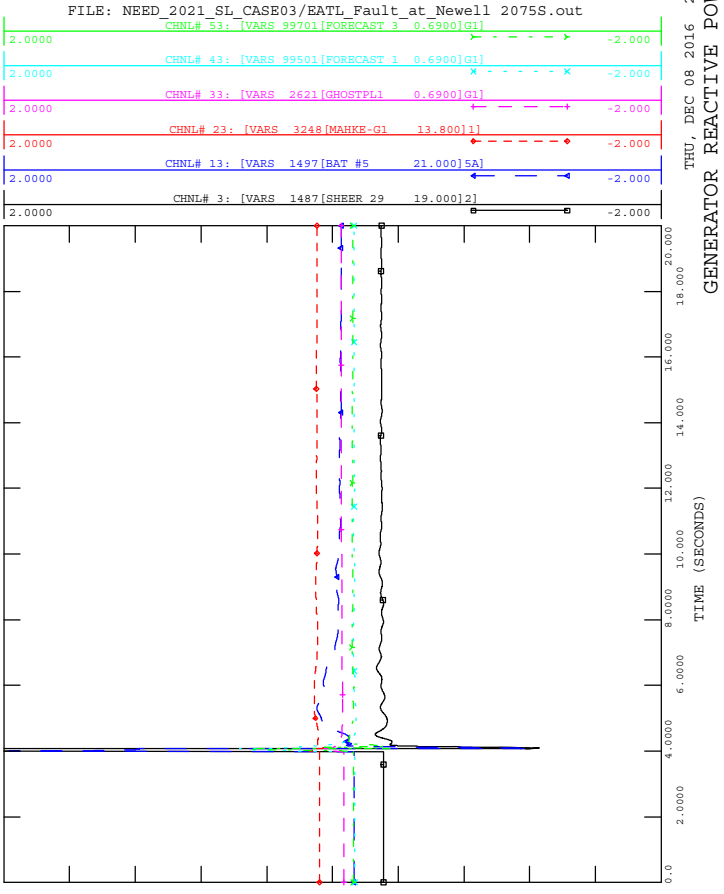
FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out



THU, DEC 08 2016 21:34
LINE POWER

NEED_2021_SL_CASE03
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out



THU, DEC 08 2016 21:34
GENERATOR REACTIVE POWER

Transient Stability Analysis Plots

Existing System Prior to PENV Development

2021 Winter Peak

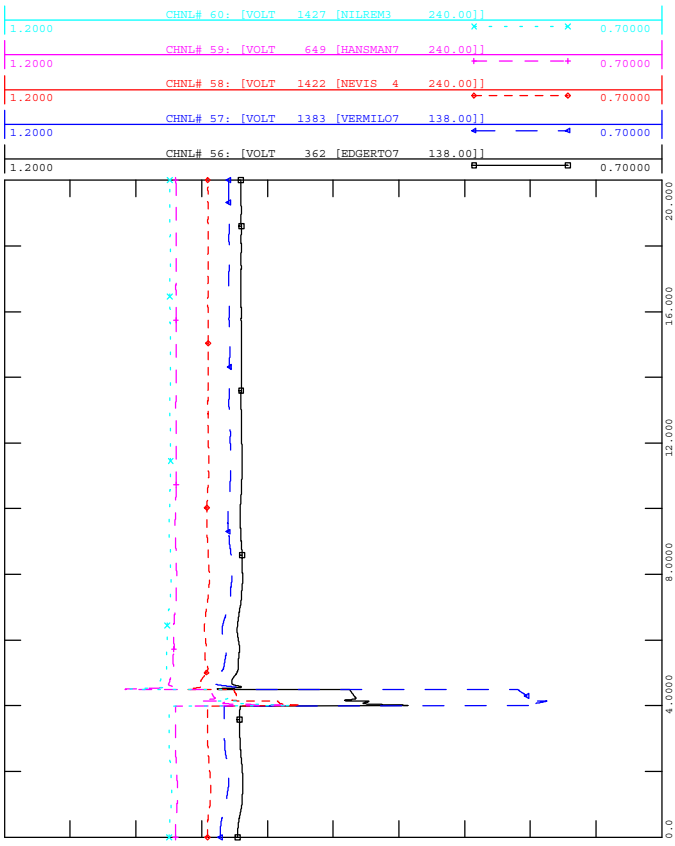
Category B (Three-phase-to-ground Fault)

NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out

MON, NOV 21 2016 13:34

BUS VOLTAGE

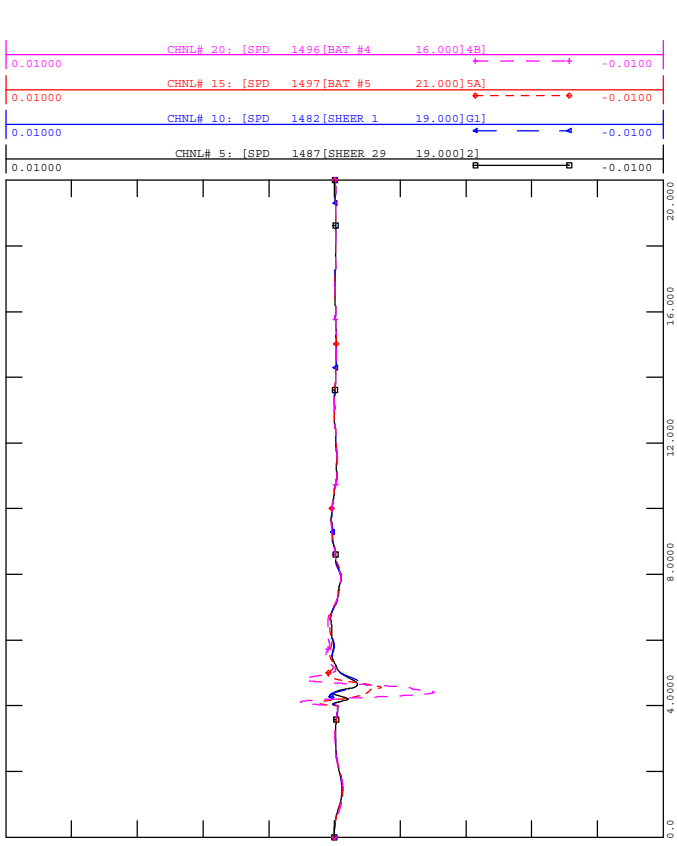


NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out

MON, NOV 21 2016 13:34

MACHINE SPEED

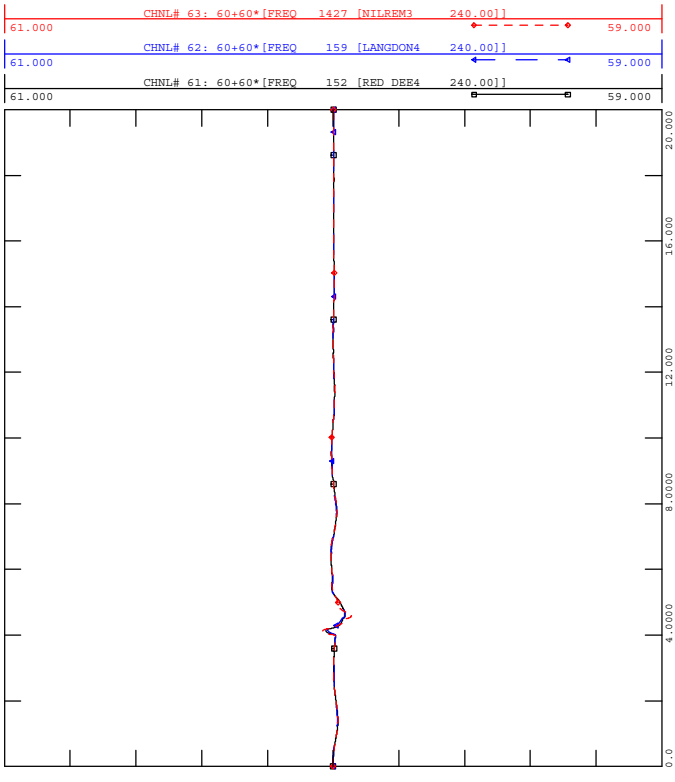


NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out

MON, NOV 21 2016 13:34

FREQUENCY

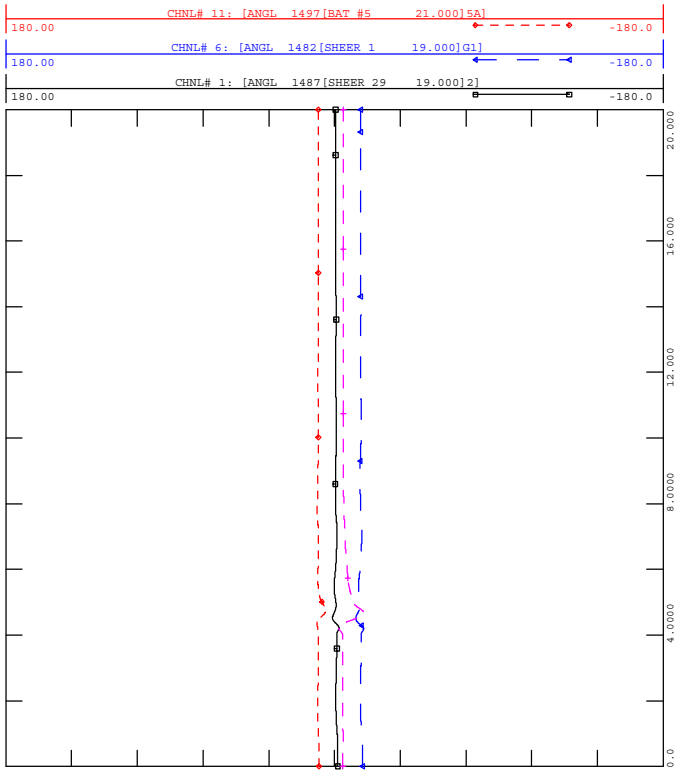


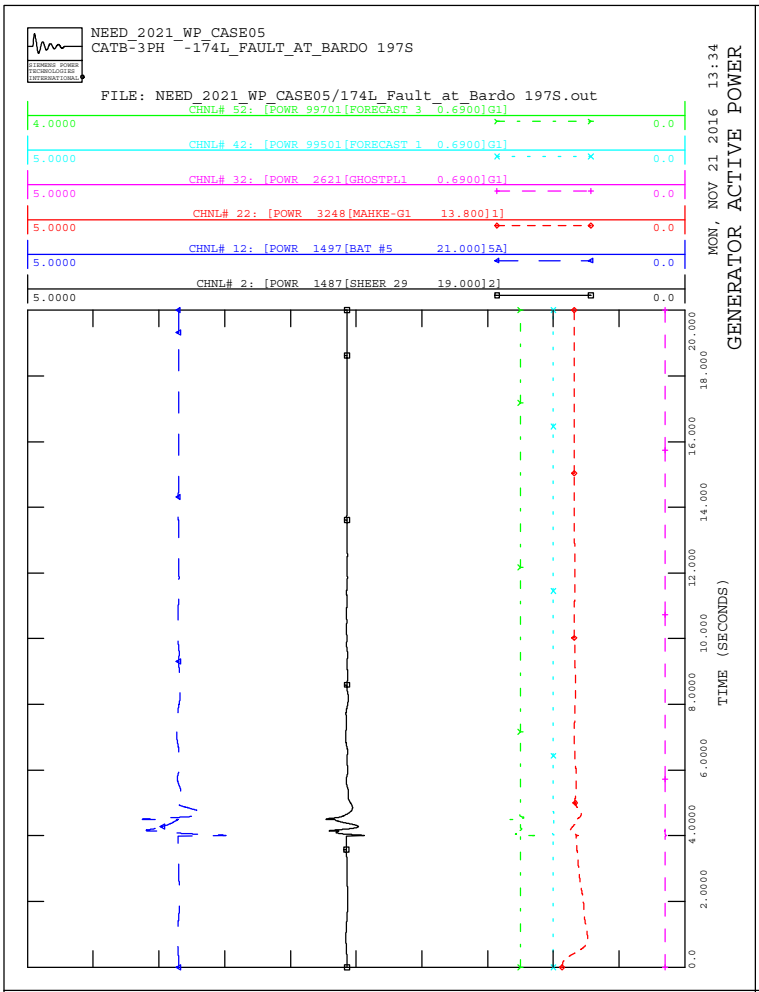
NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_BARDO 197S

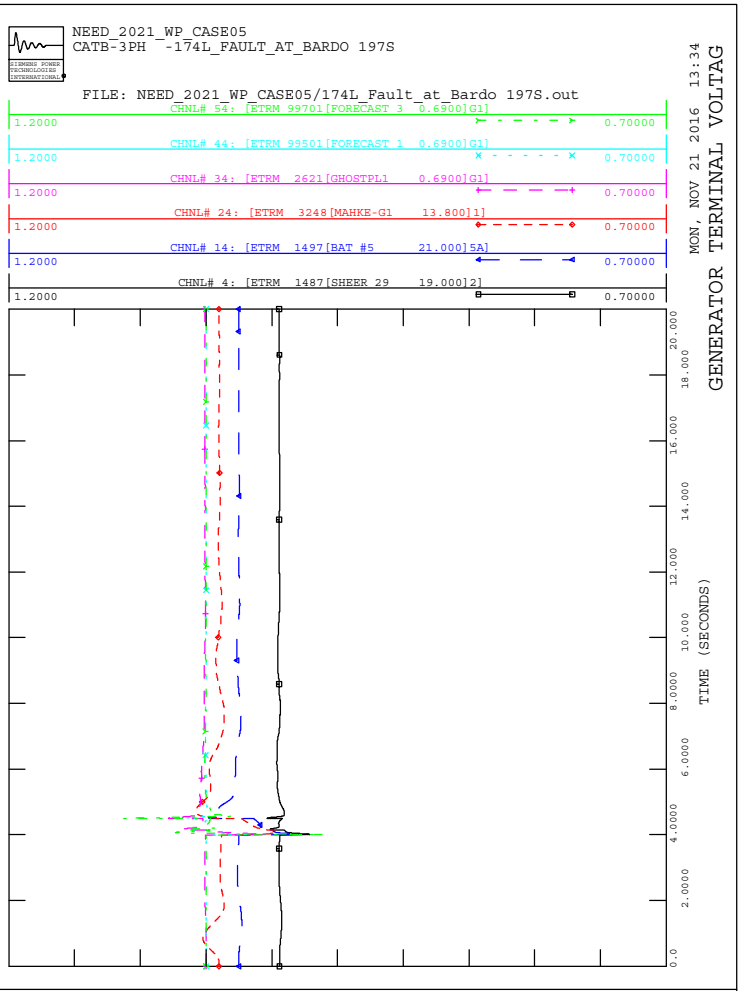
FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out

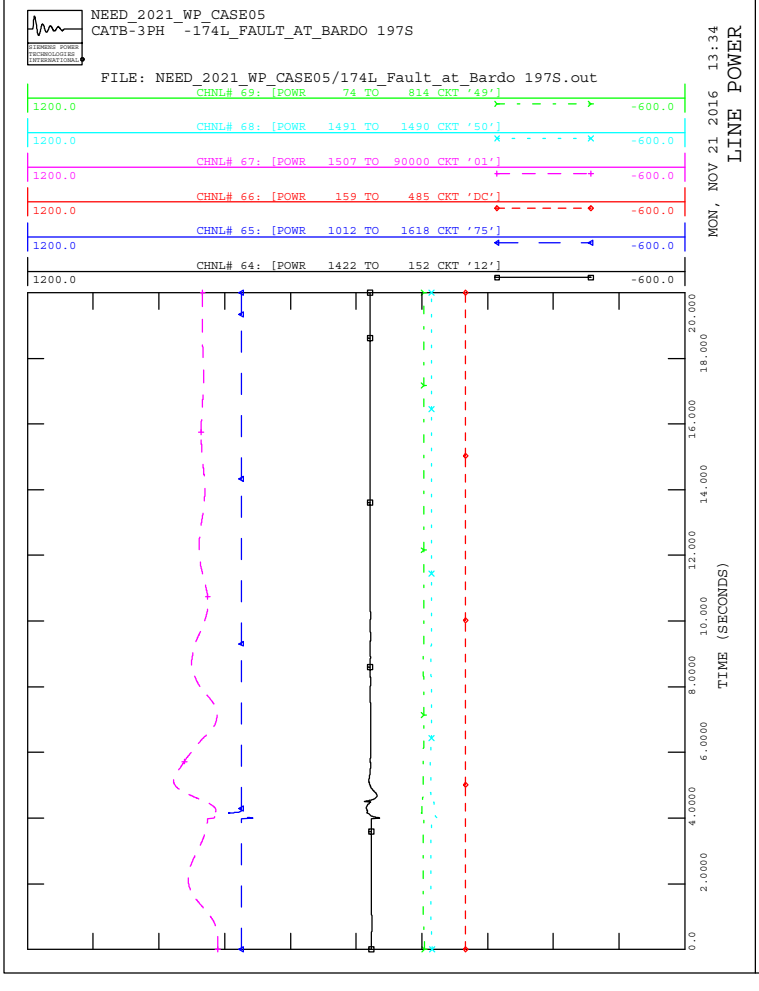
MON, NOV 21 2016 13:34

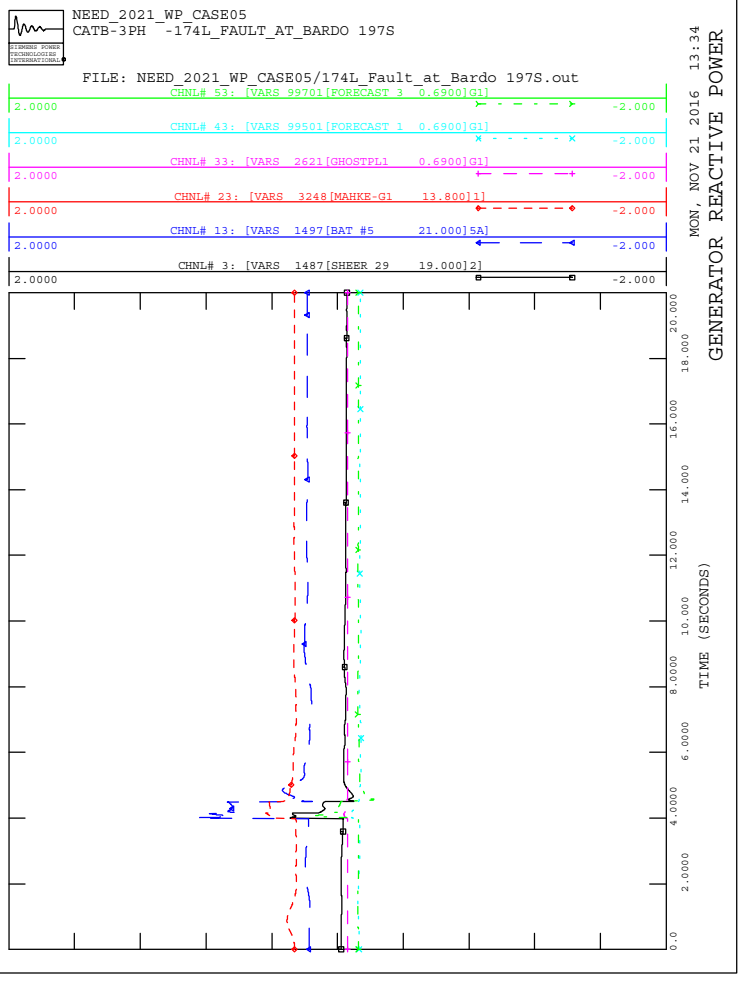
MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_BARDO 197S
FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:34
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_BARDO 197S
FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:34
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_BARDO 197S
FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:34
TIME (SECONDS)

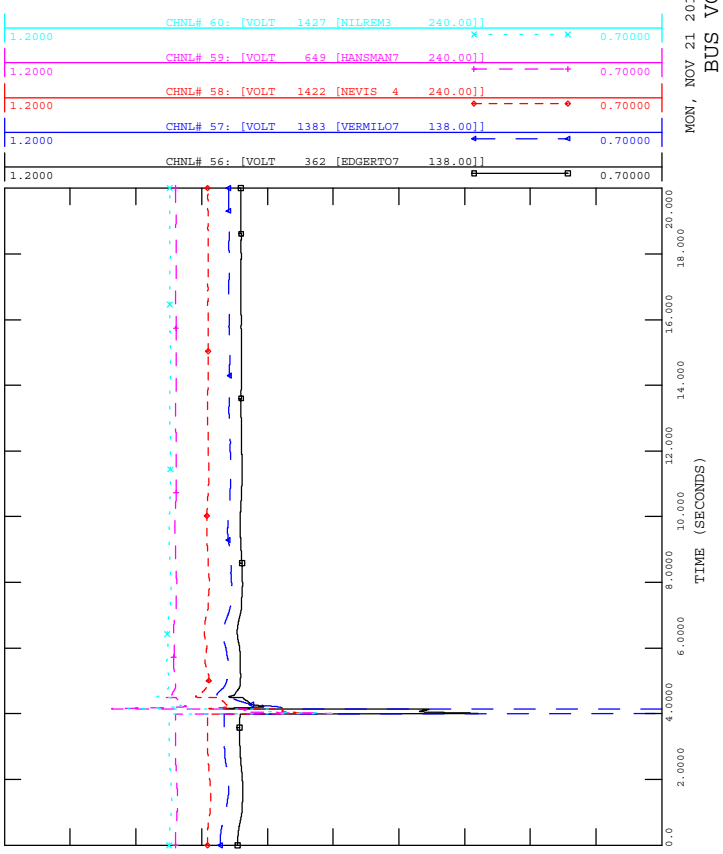

NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_BARDO 197S
FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:34
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:34

BUS VOLTAGE

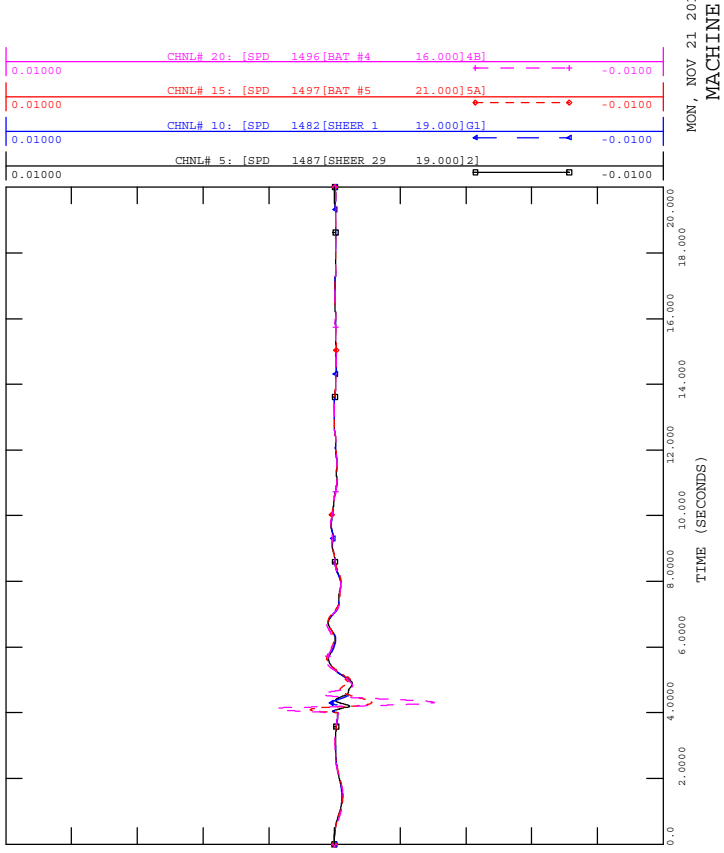


NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:34

MACHINE SPEED

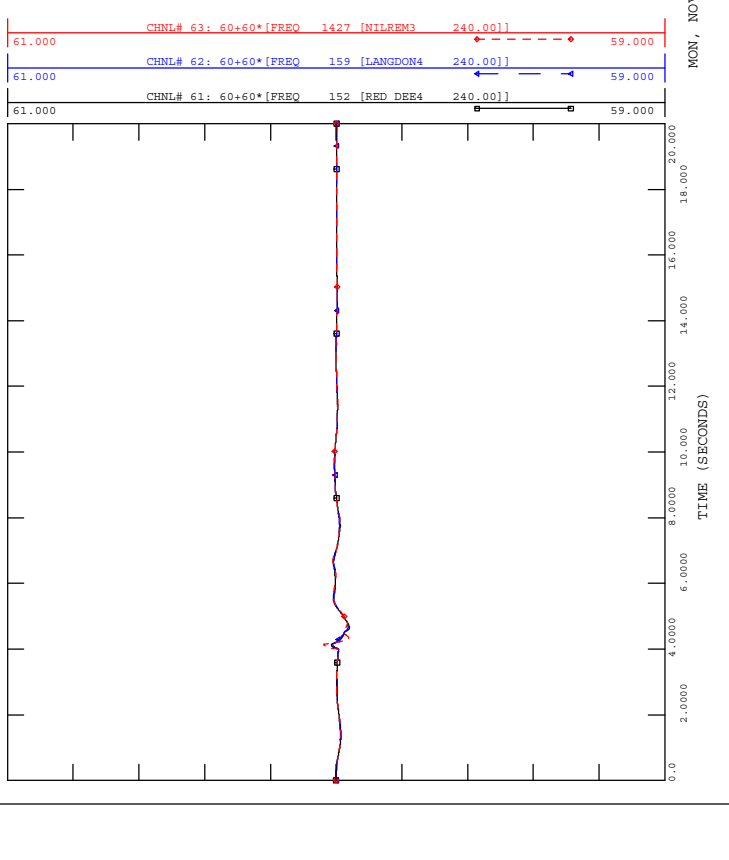


NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:34

FREQUENCY

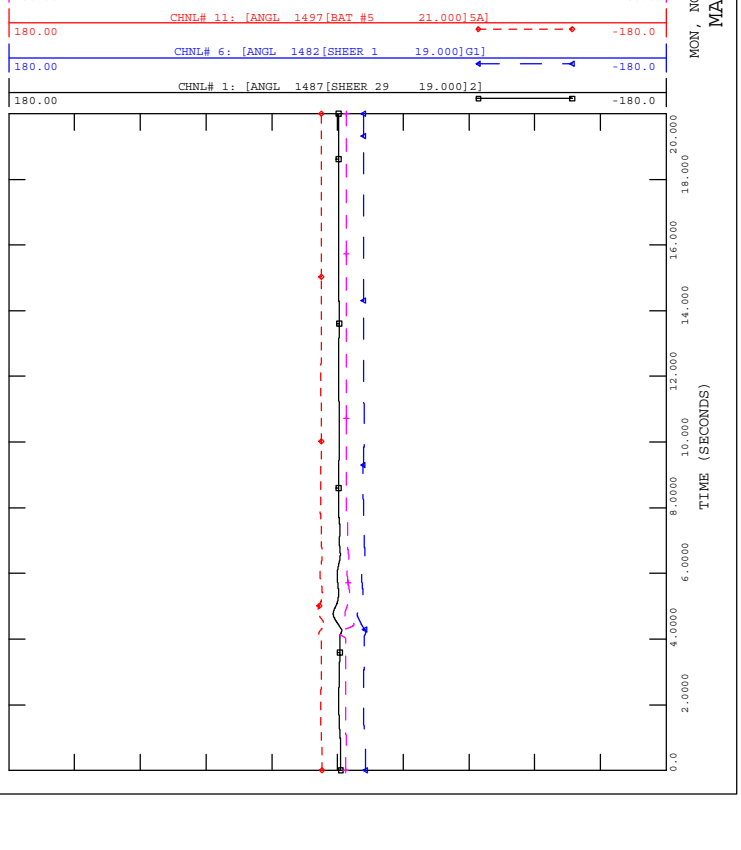


NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:34

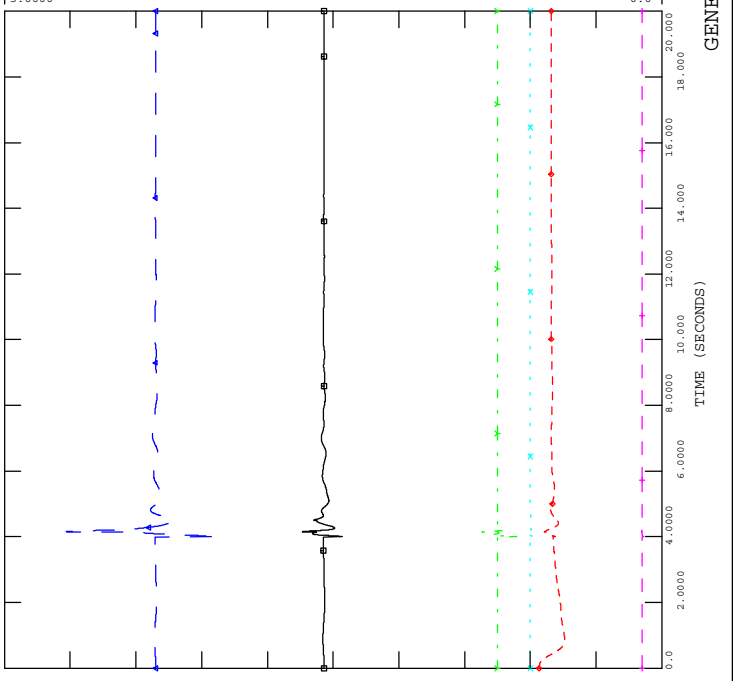
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

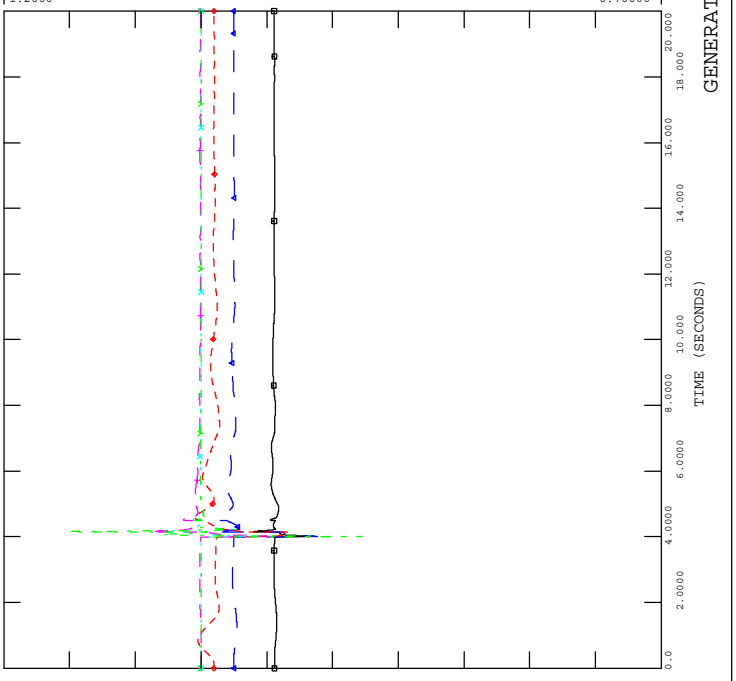


MON, NOV 21 2016 13:34
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

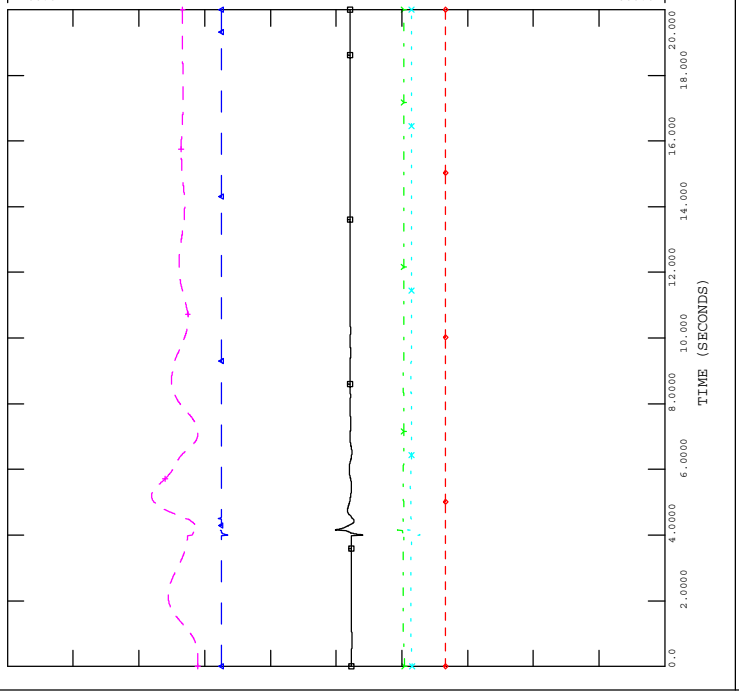


MON, NOV 21 2016 13:34
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

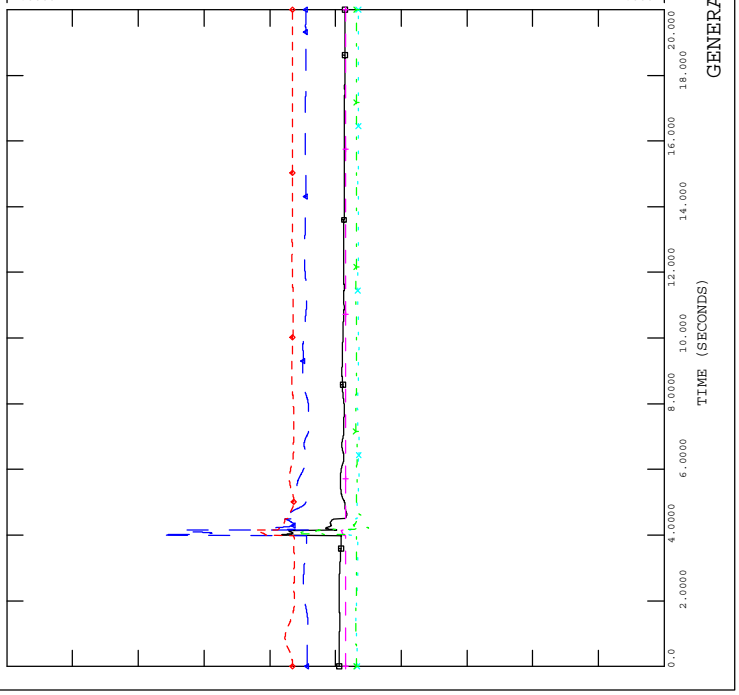


MON, NOV 21 2016 13:34
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



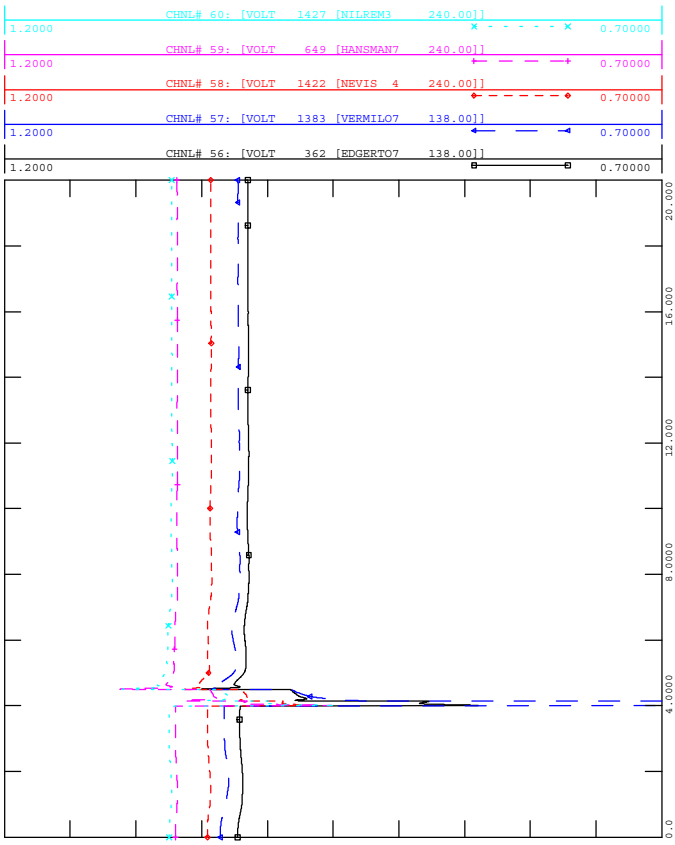
MON, NOV 21 2016 13:34
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:34

BUS VOLTAGE

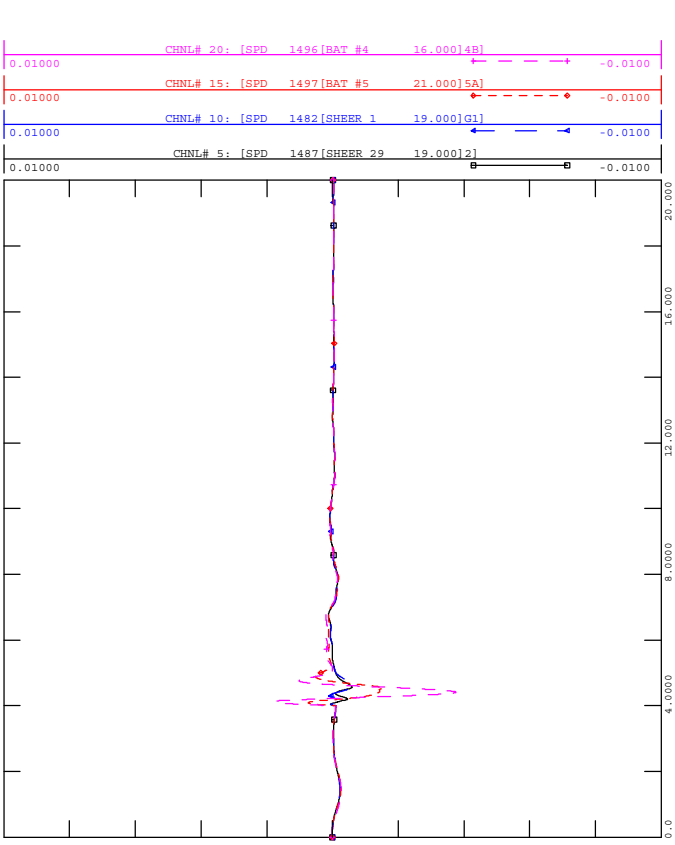


NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:34

MACHINE SPEED

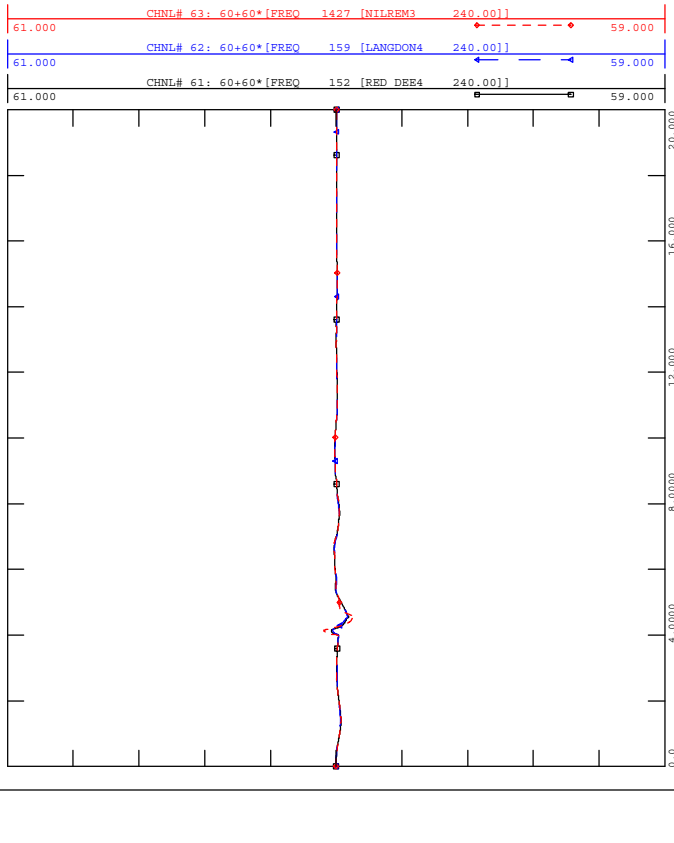


NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:34

FREQUENCY

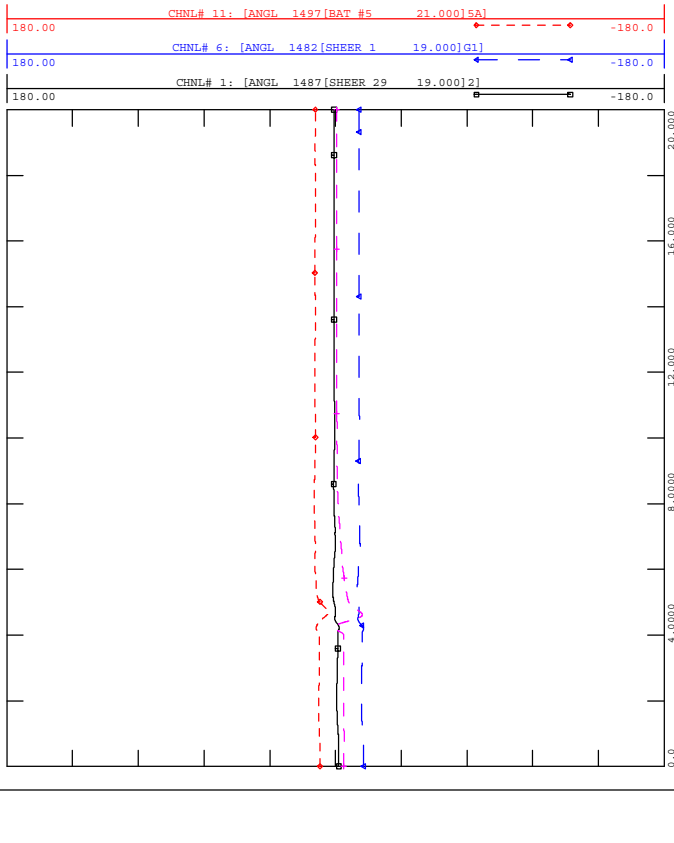


NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out

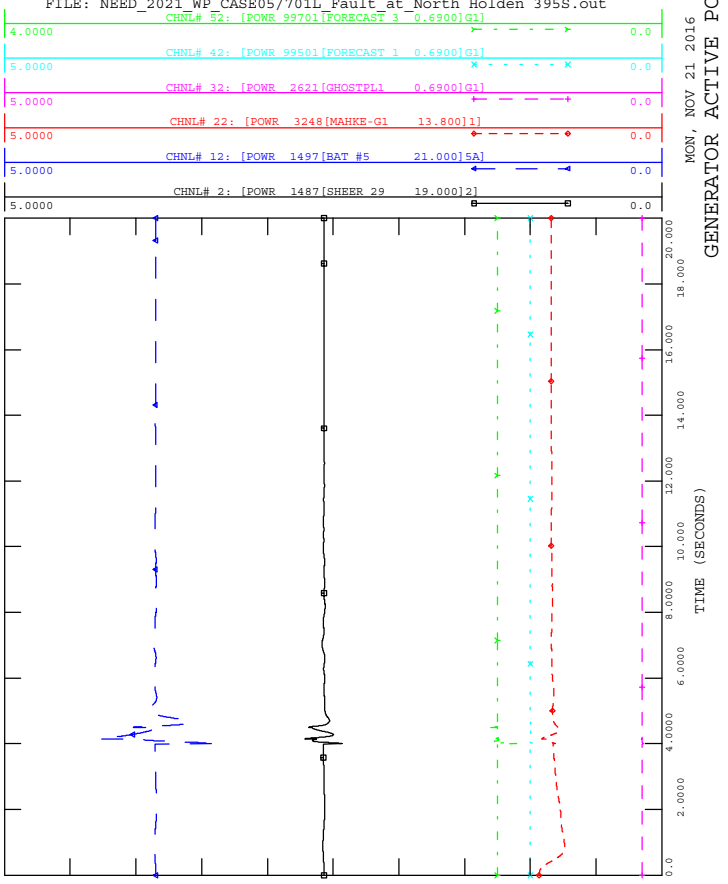
MON, NOV 21 2016 13:34

MACHINE ANGEL



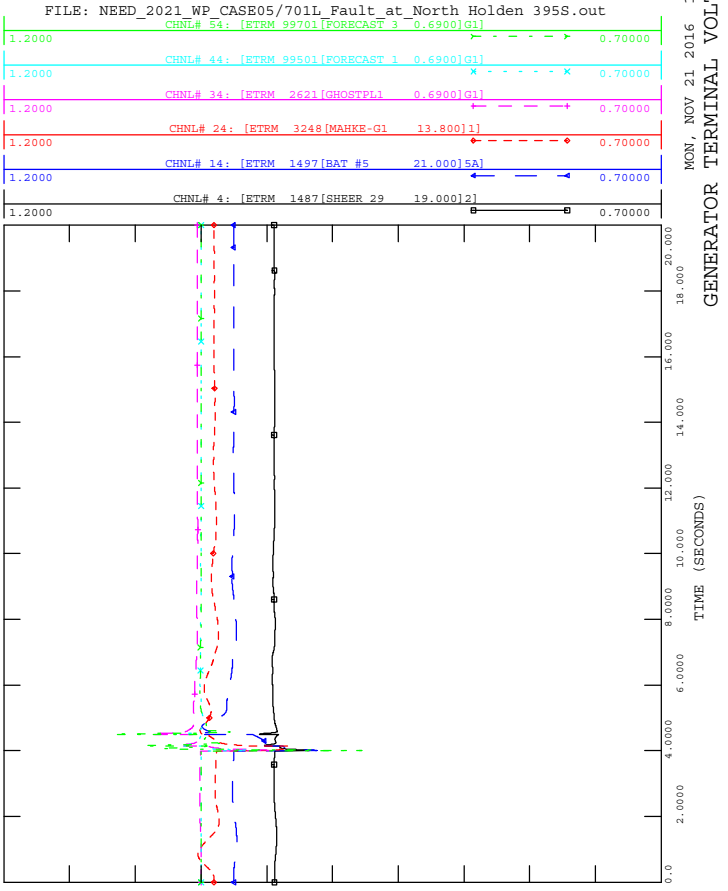
NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out



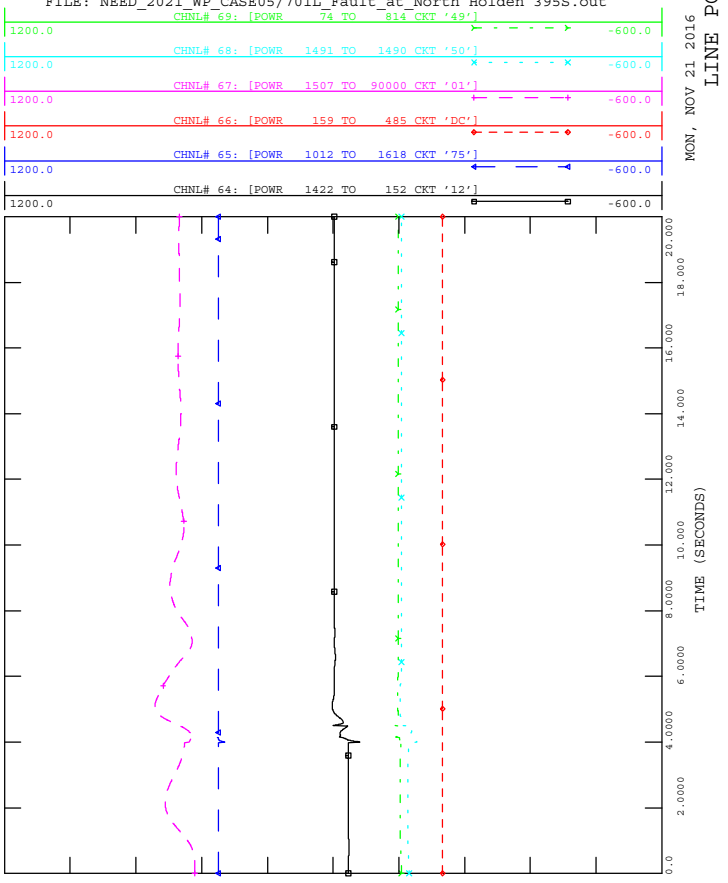
NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out



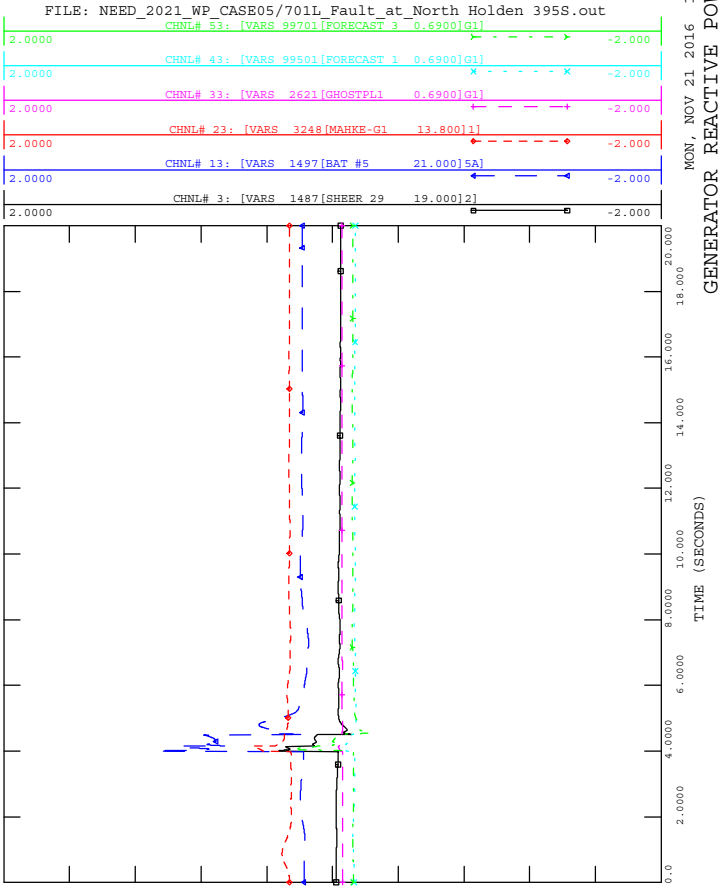
NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out



NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out

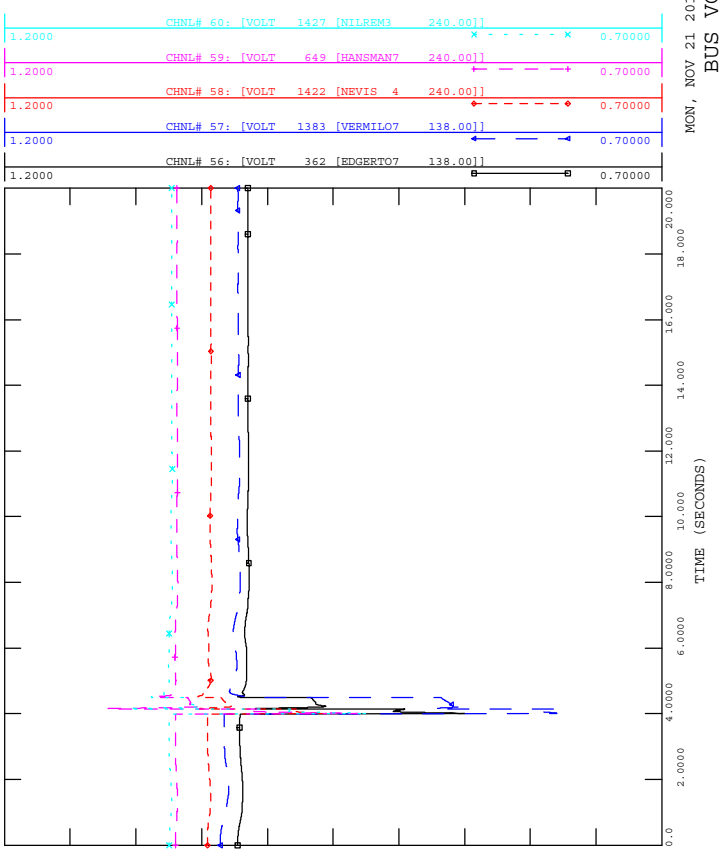


NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out

MON, NOV 21 2016 13:34

BUS VOLTAGE

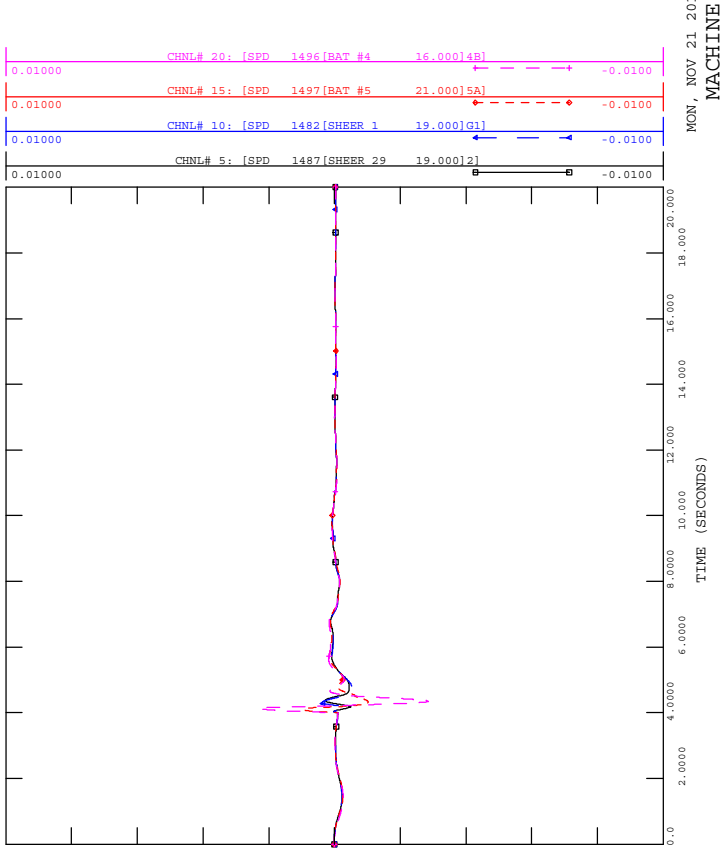


NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out

MON, NOV 21 2016 13:34

MACHINE SPEED

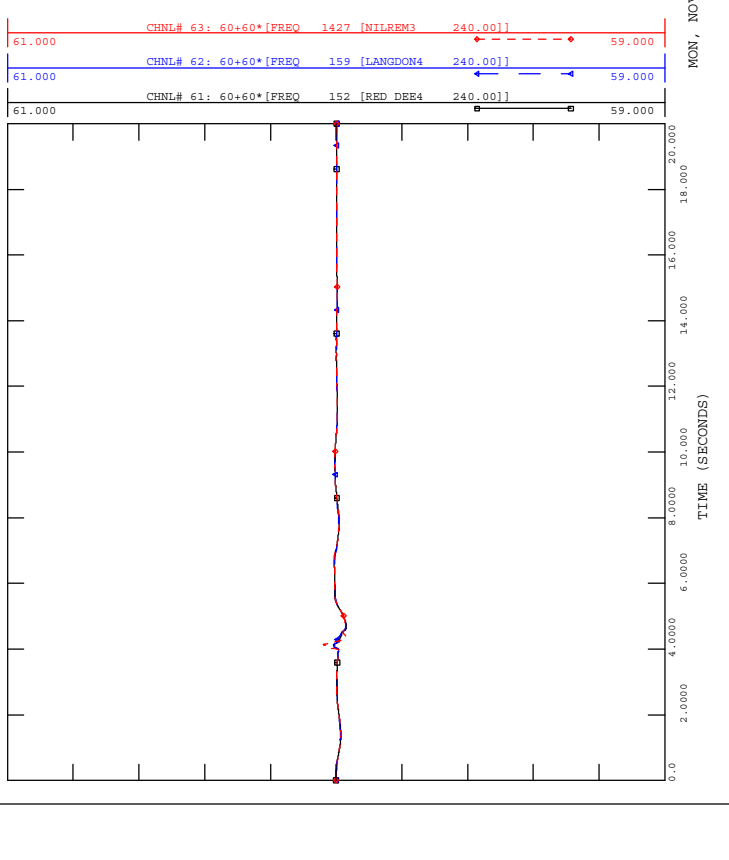


NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out

MON, NOV 21 2016 13:34

FREQUENCY

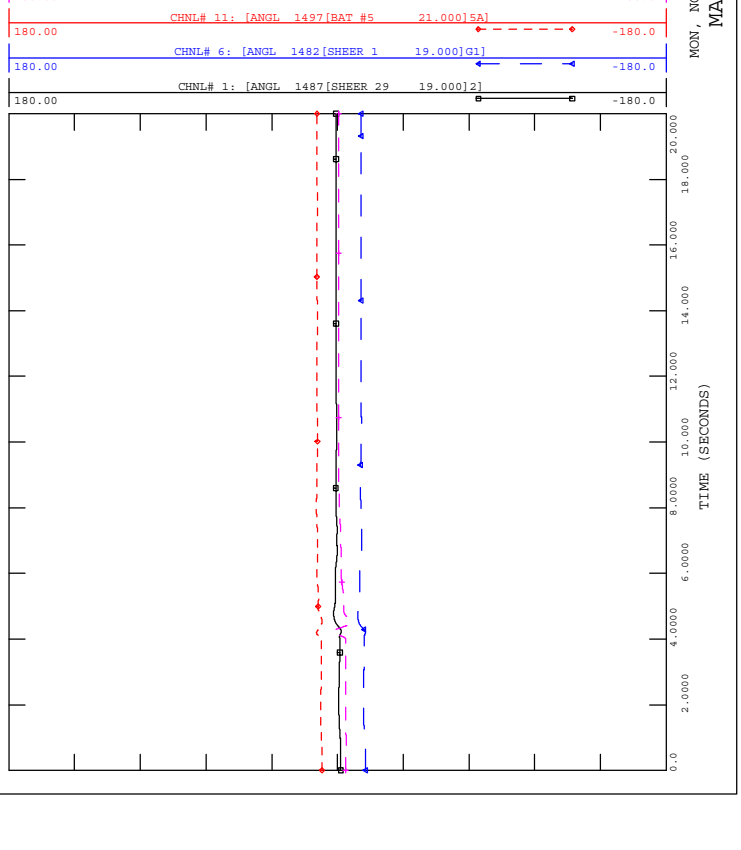


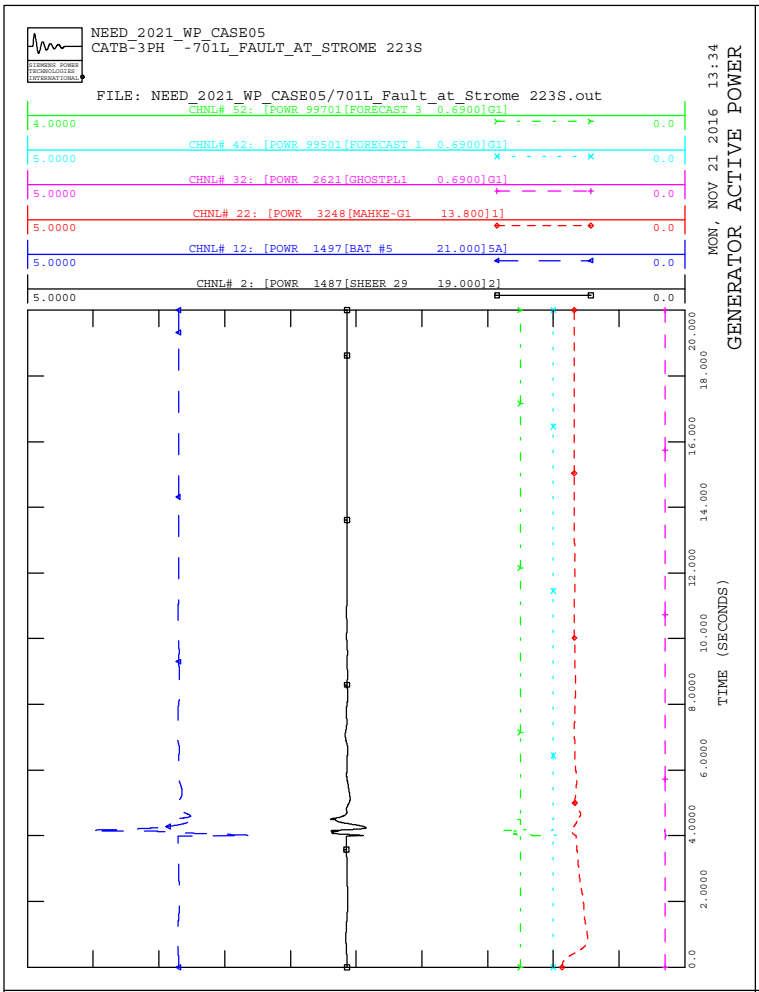
NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_STROME 223S

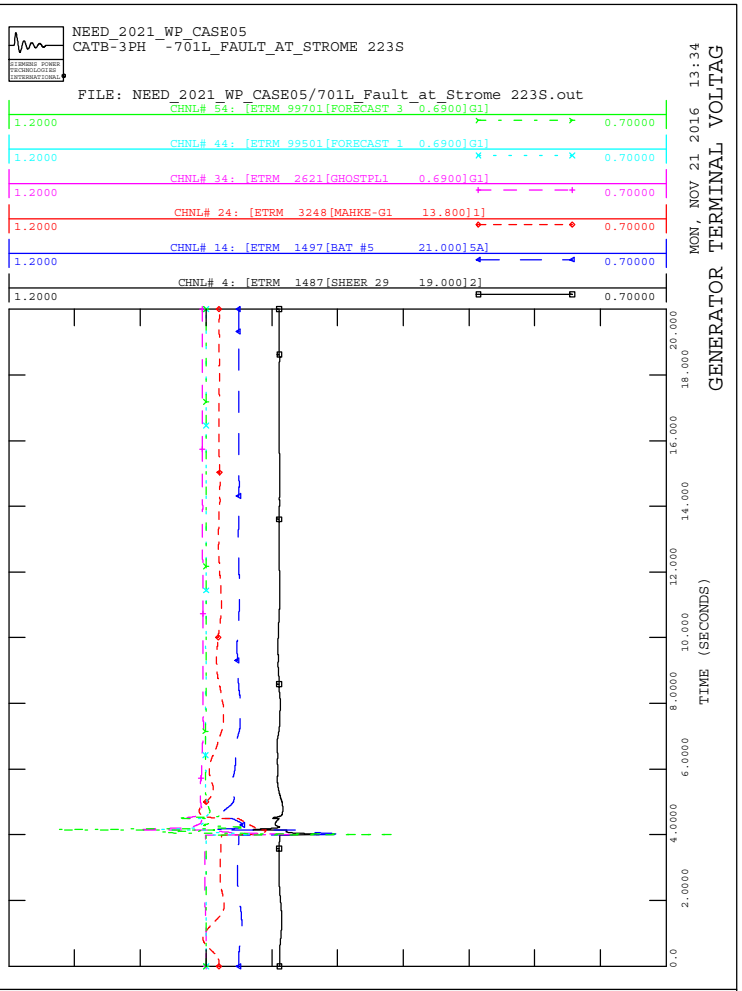
FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out

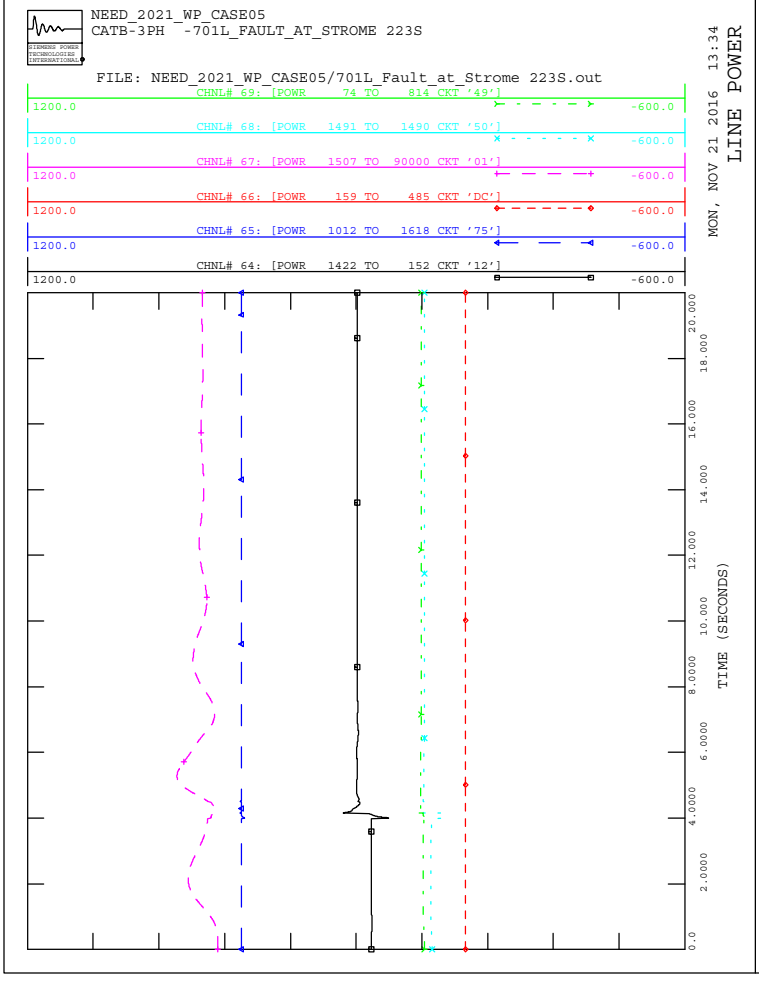
MON, NOV 21 2016 13:34

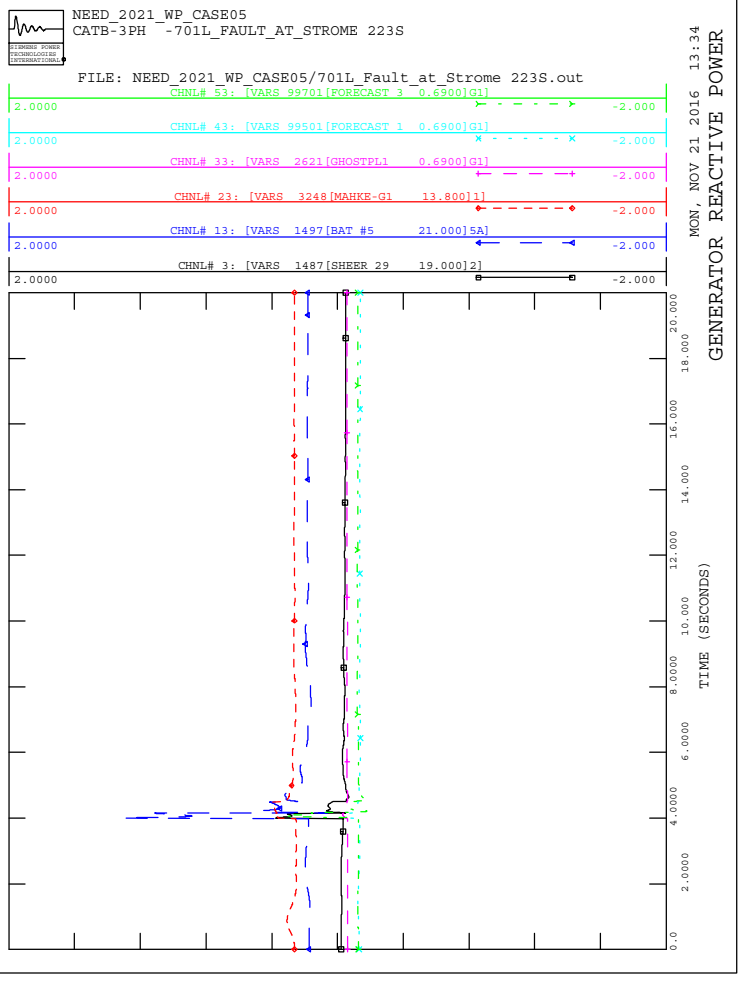
MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:34
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:34
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:34
TIME (SECONDS)

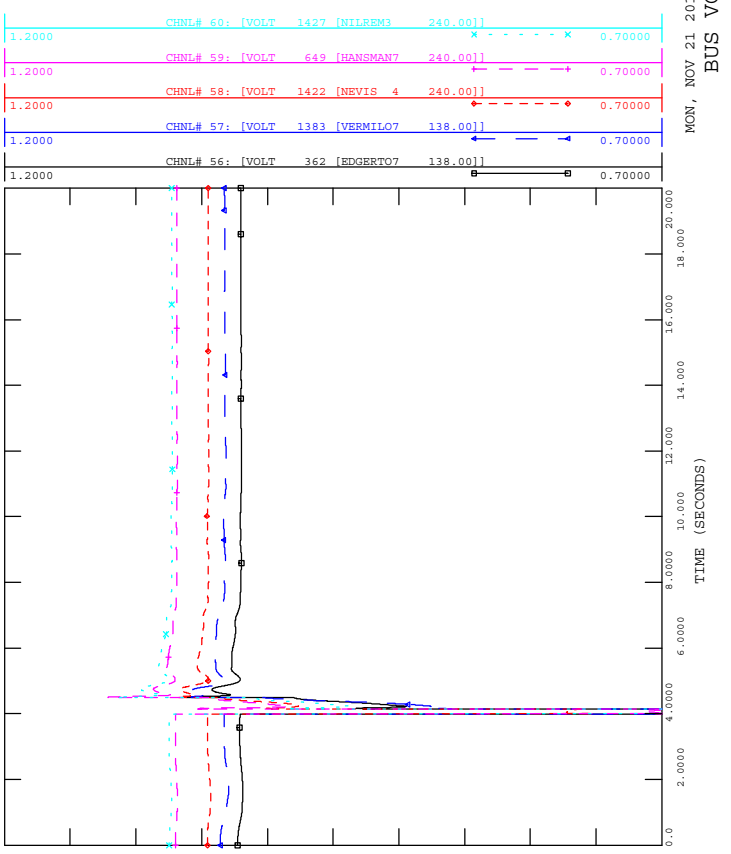

NEED_2021_WP_CASE05
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:34
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:34

BUS VOLTAGE

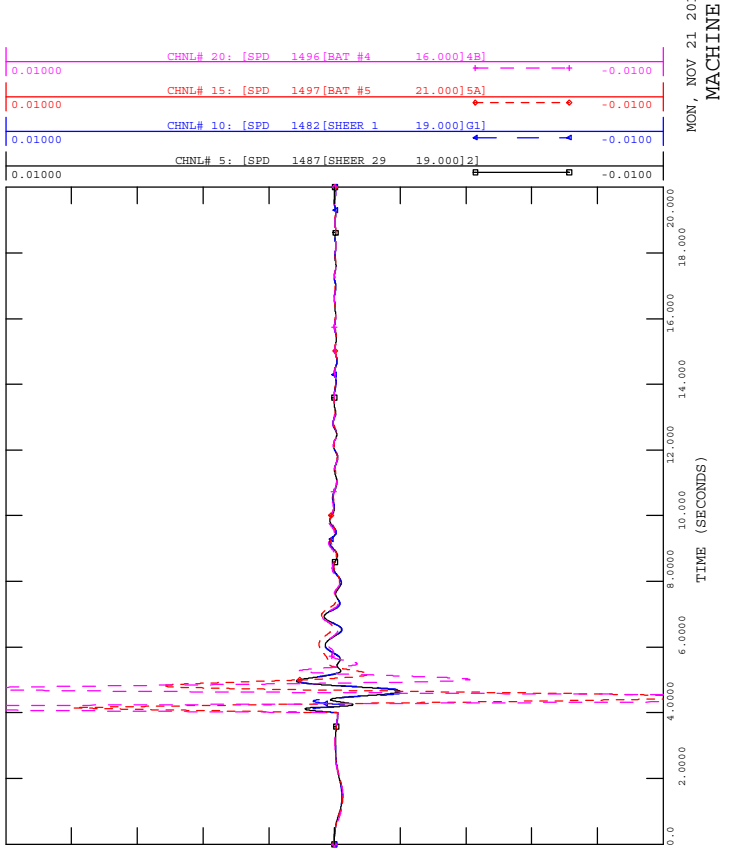


NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:34

MACHINE SPEED

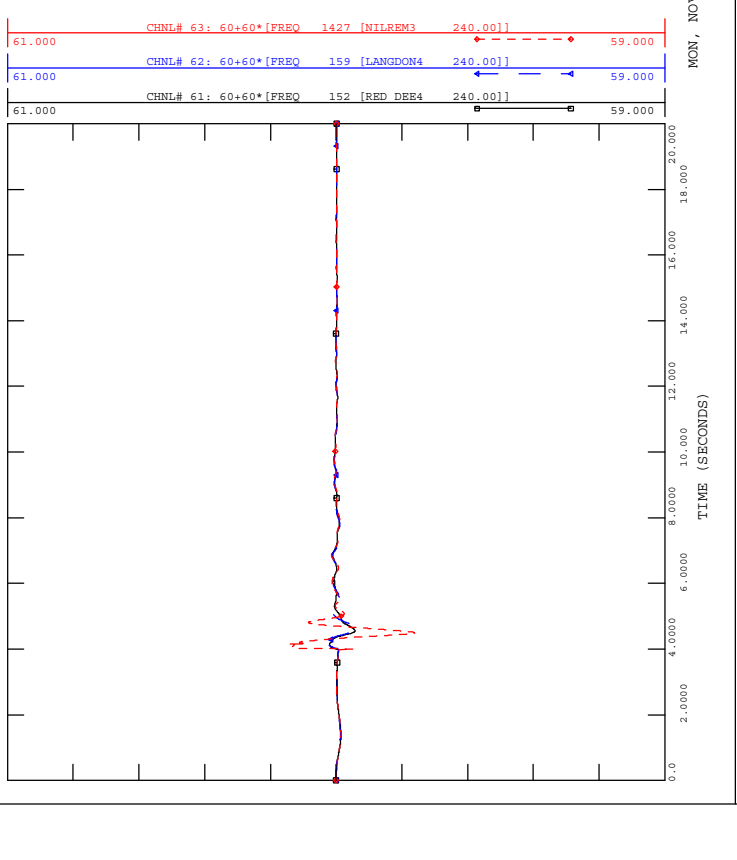


NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:34

FREQUENCY

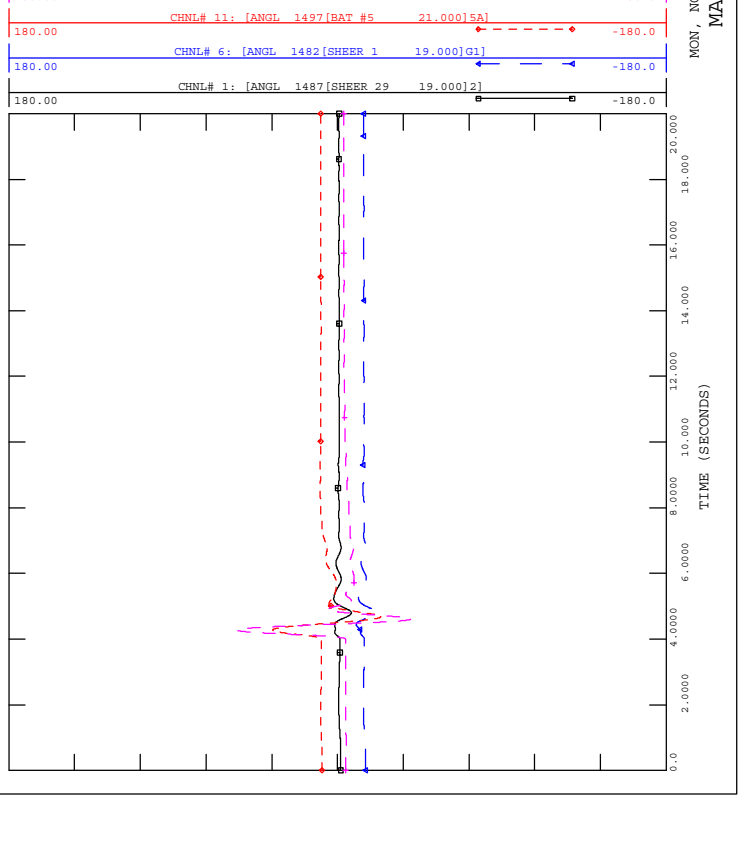


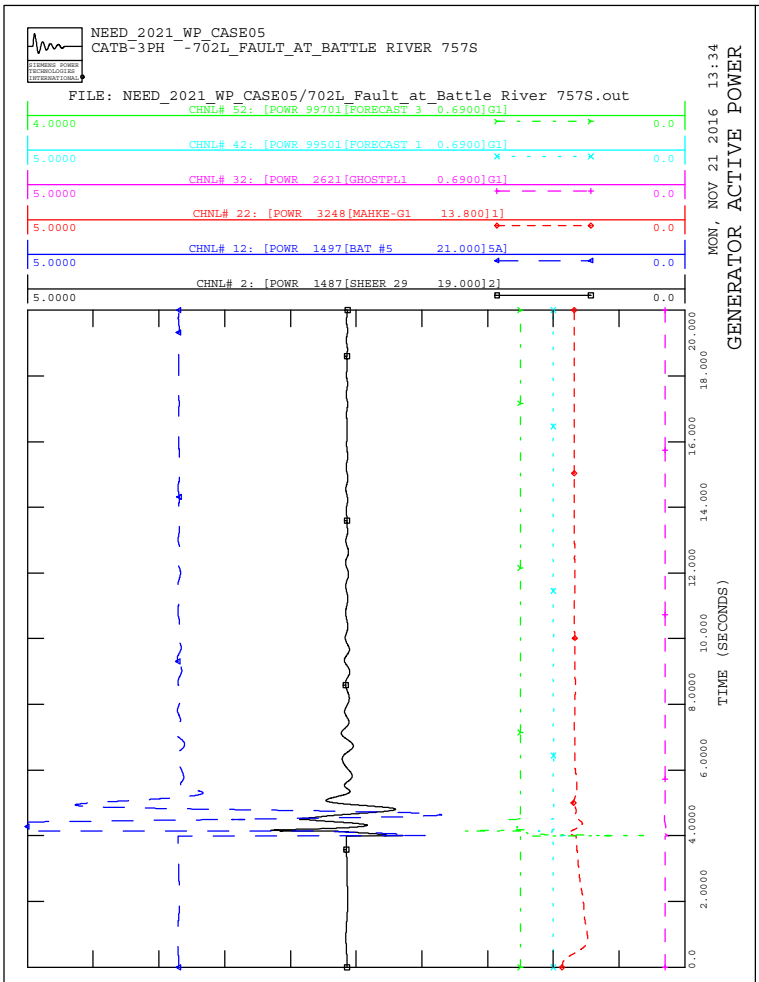
NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:34

MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out
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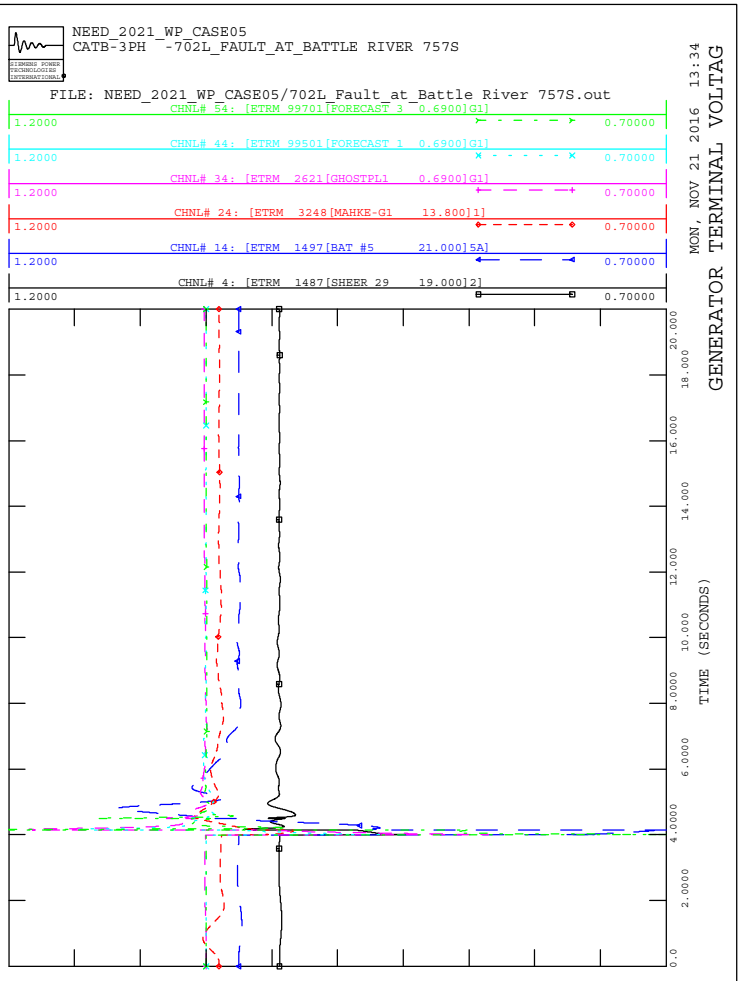
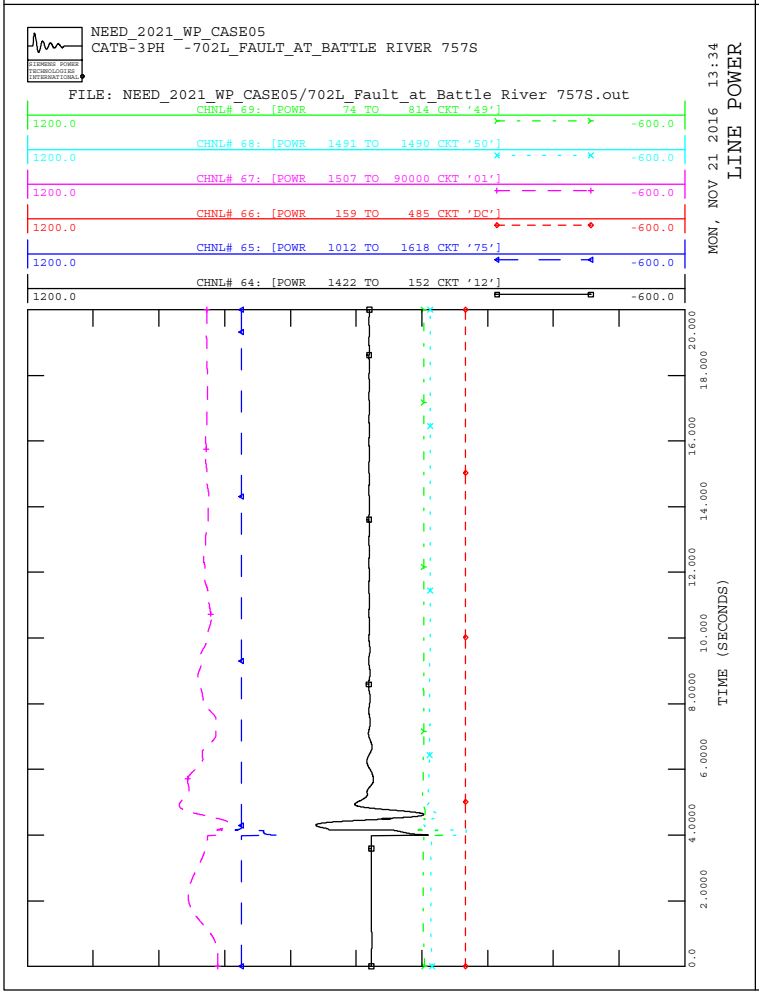
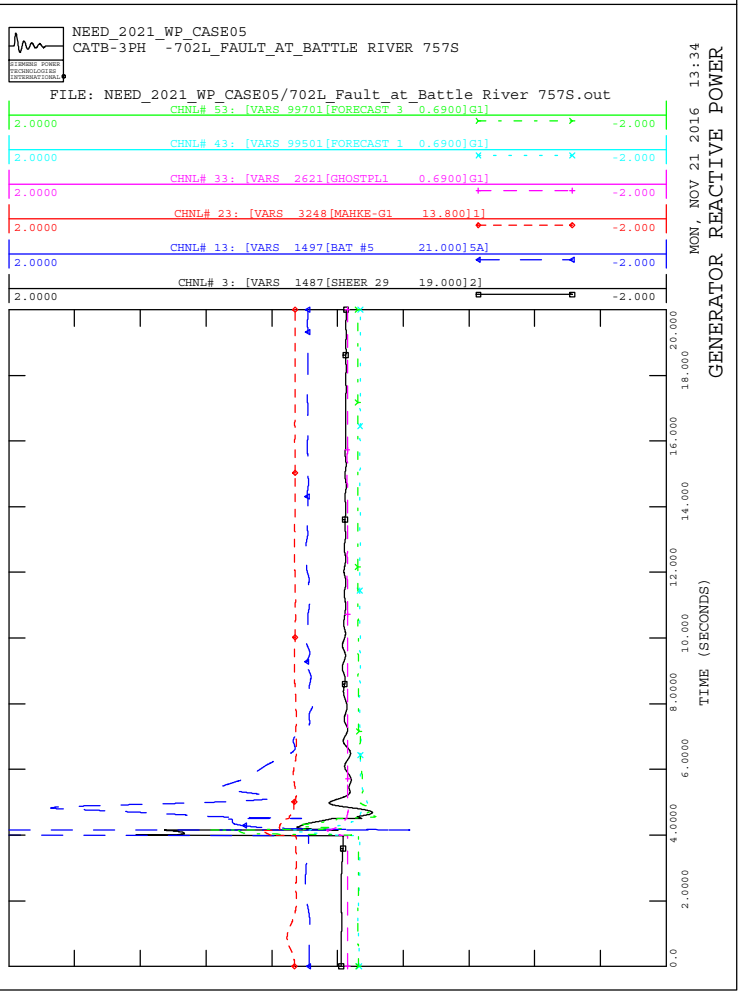
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:34
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:34
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:34
LINE POWER

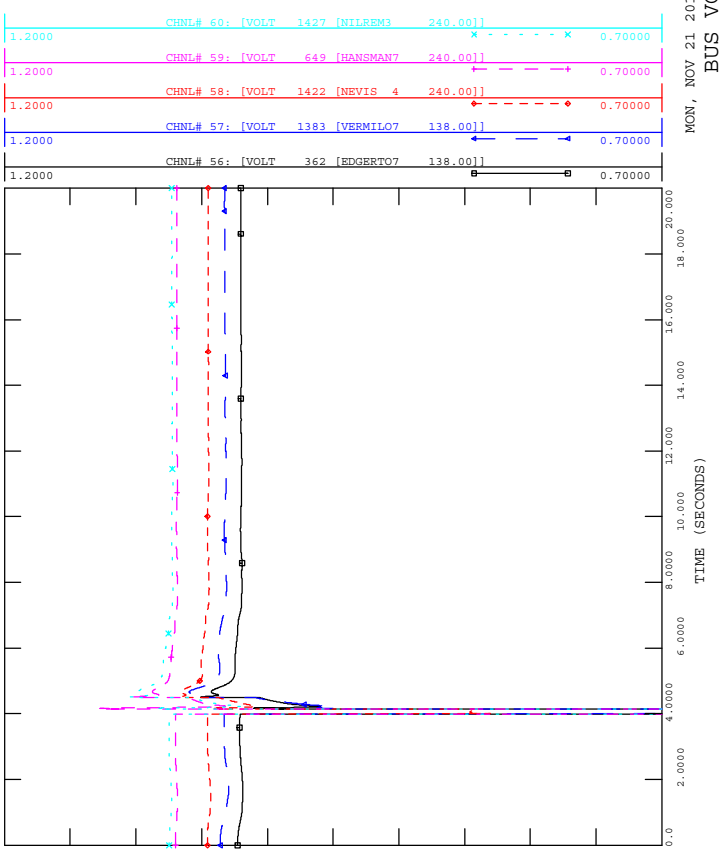

NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:34
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

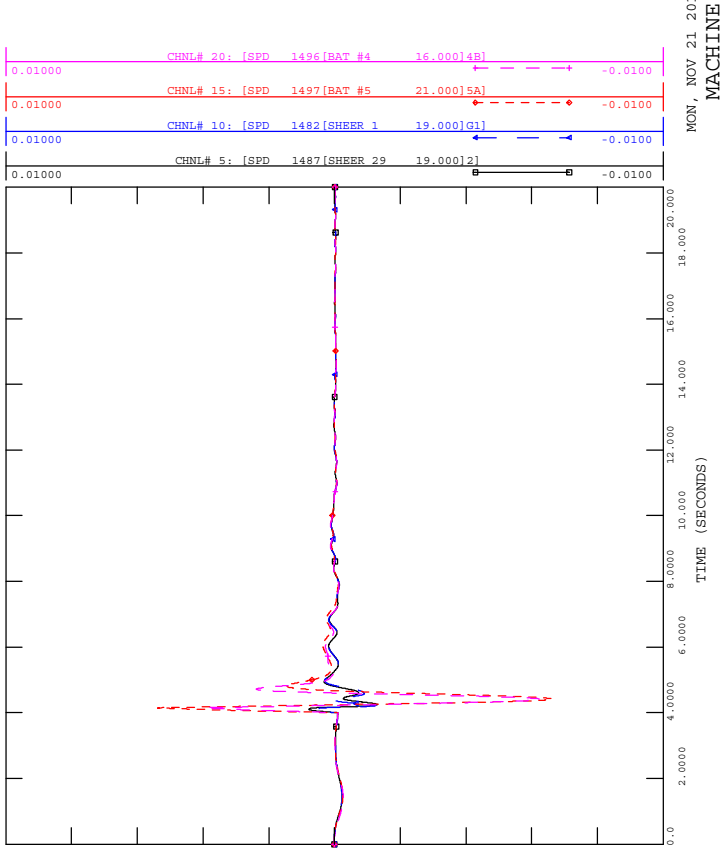


NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

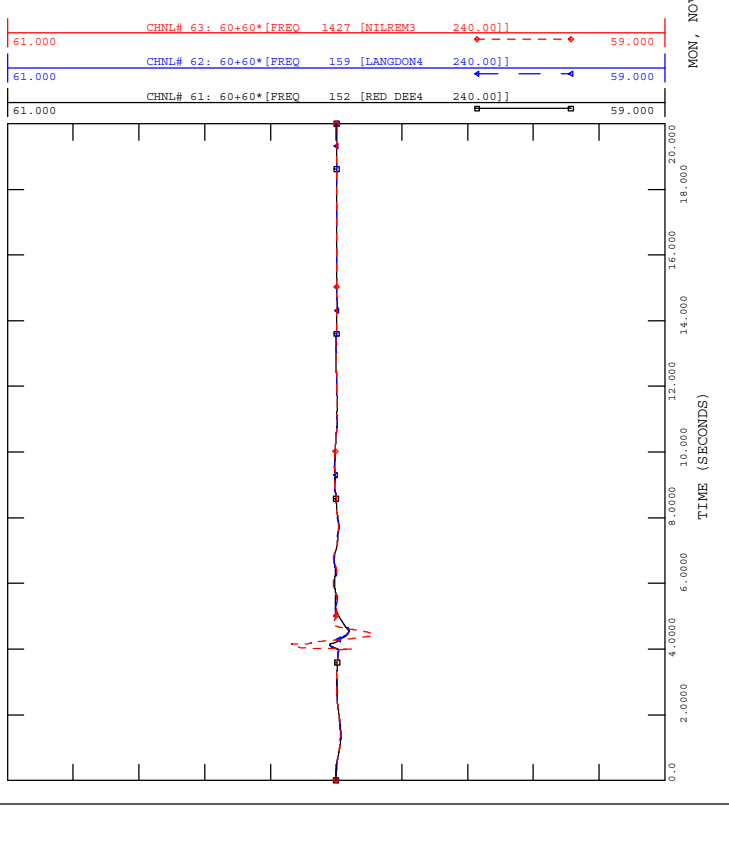


NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 13:35

FREQUENCY

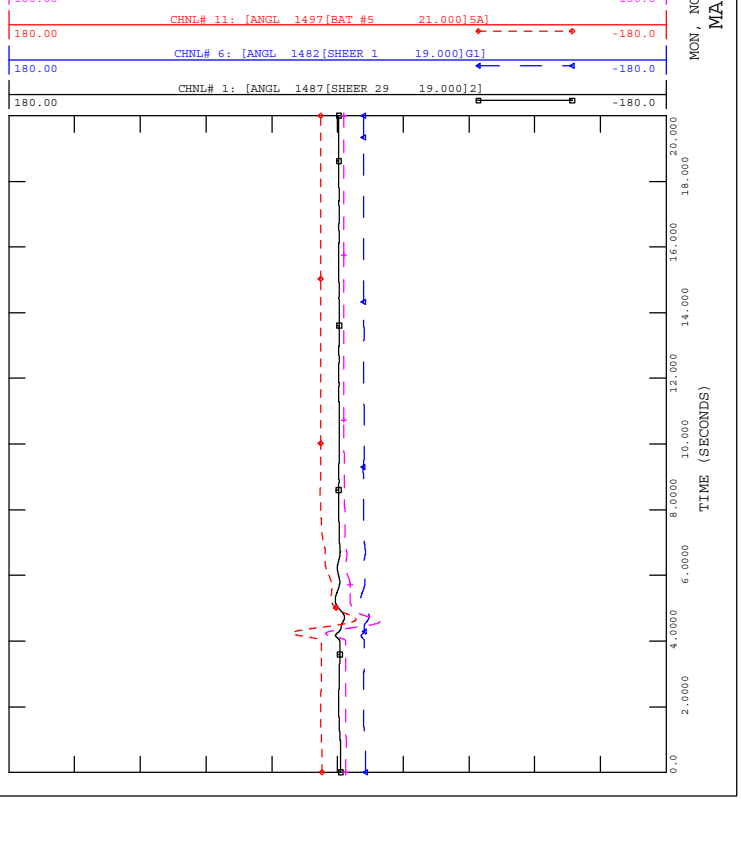


NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out

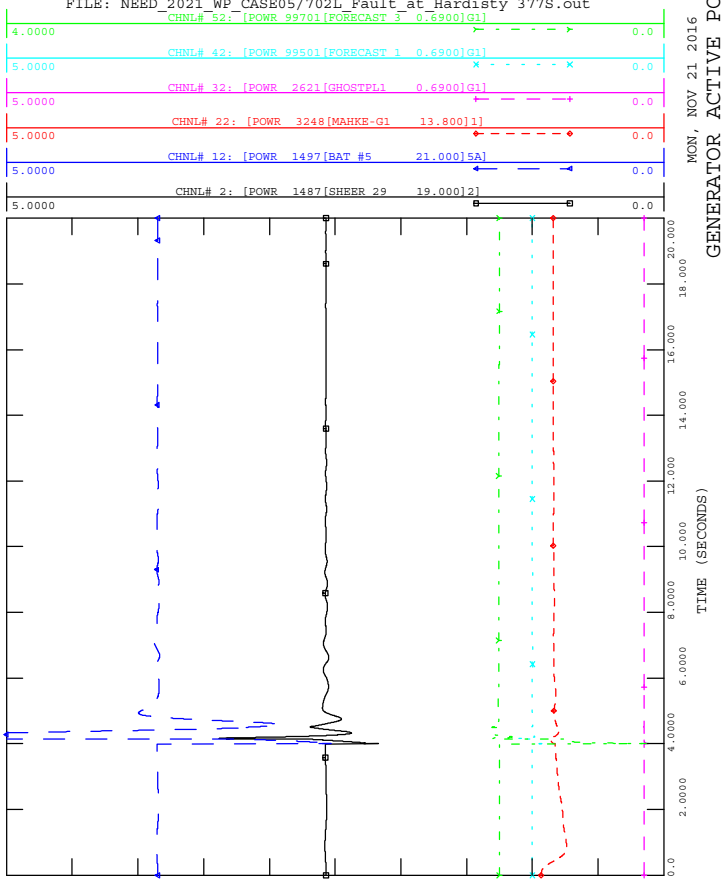
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

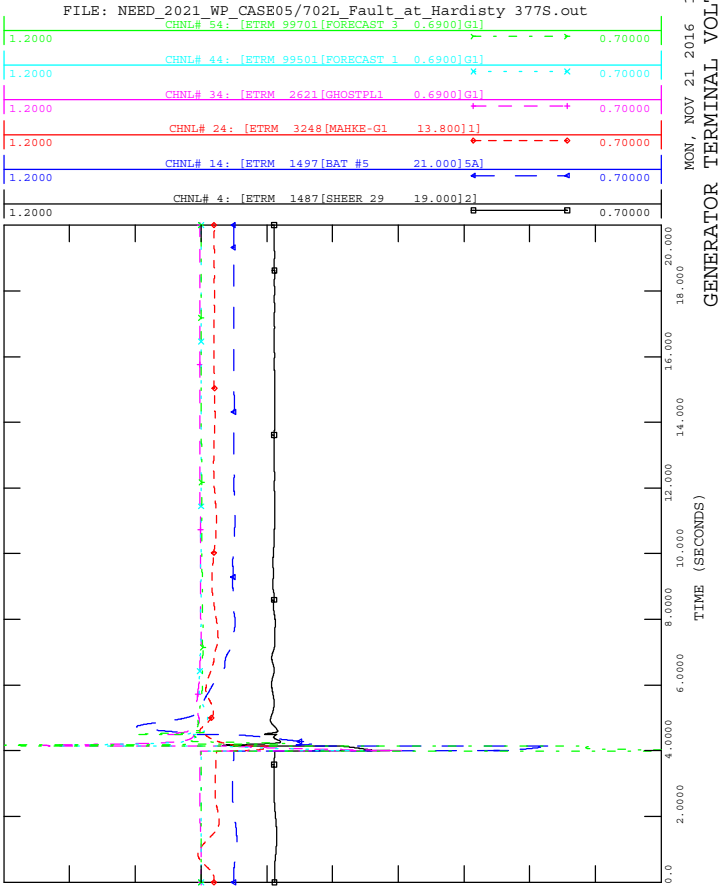
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

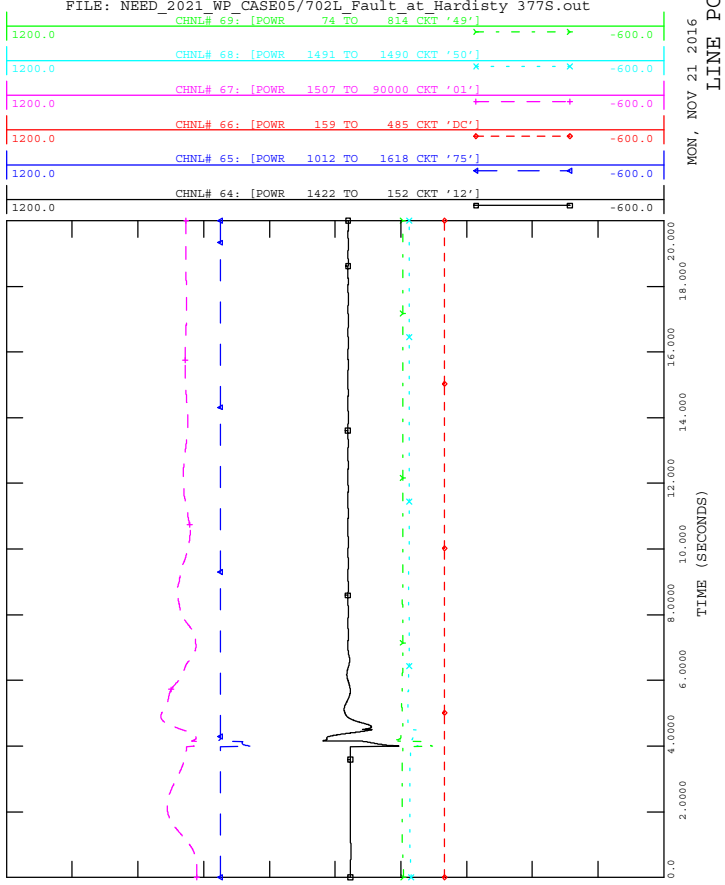
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

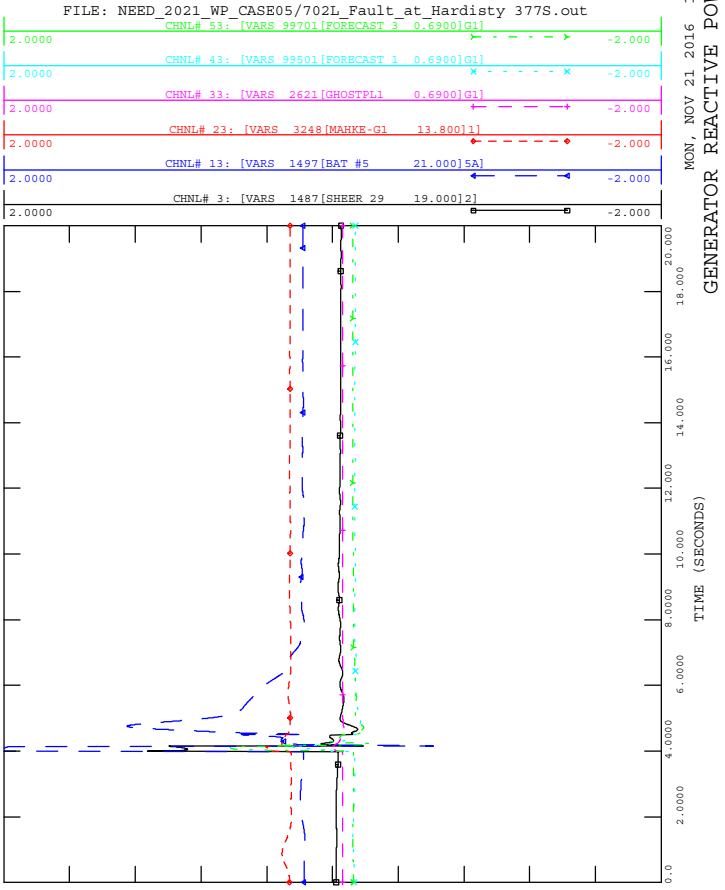
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out



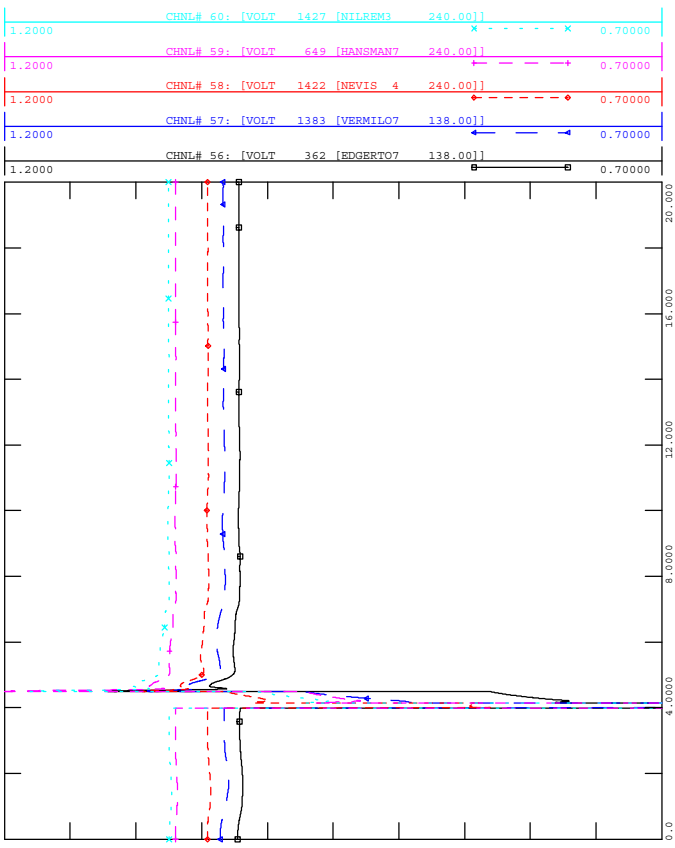
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

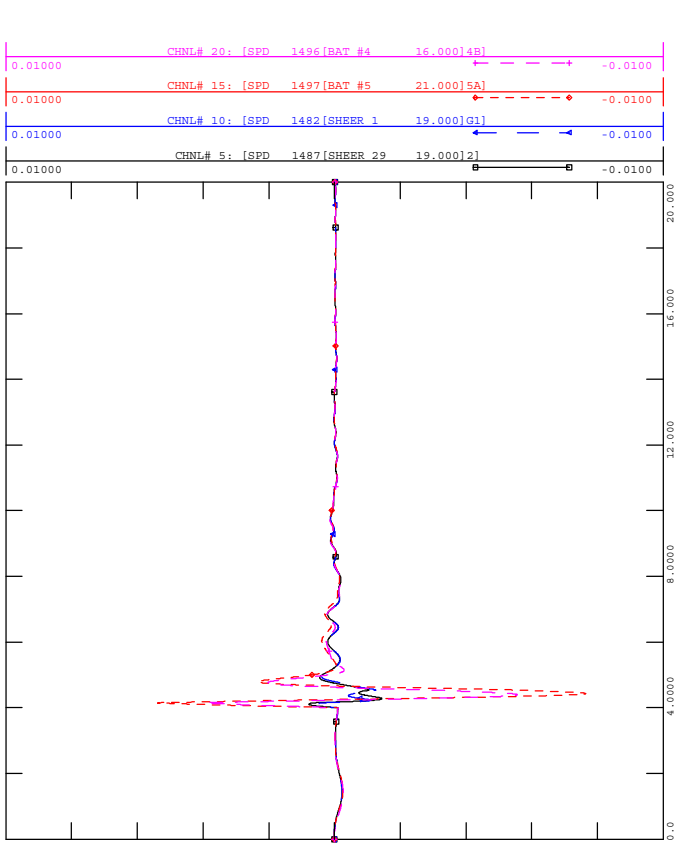


NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

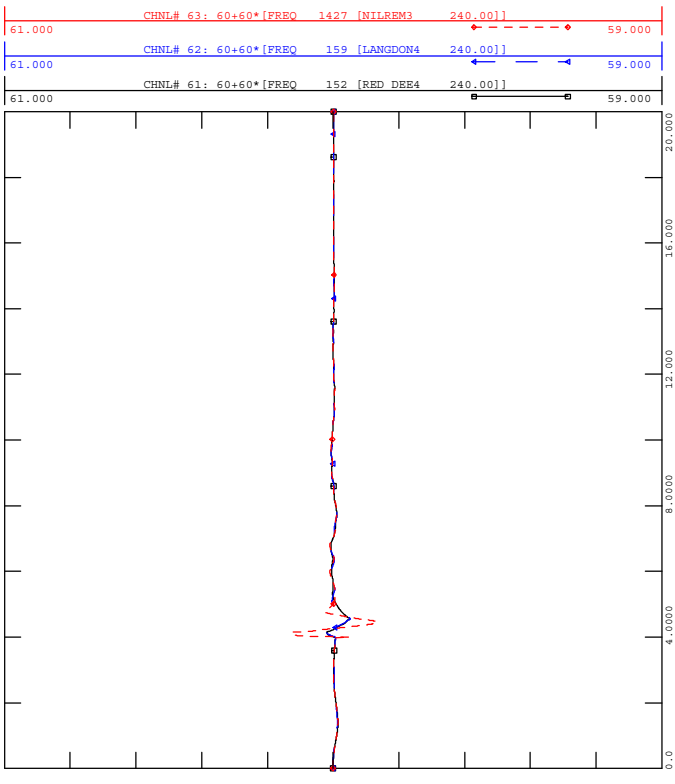


NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 13:35

FREQUENCY

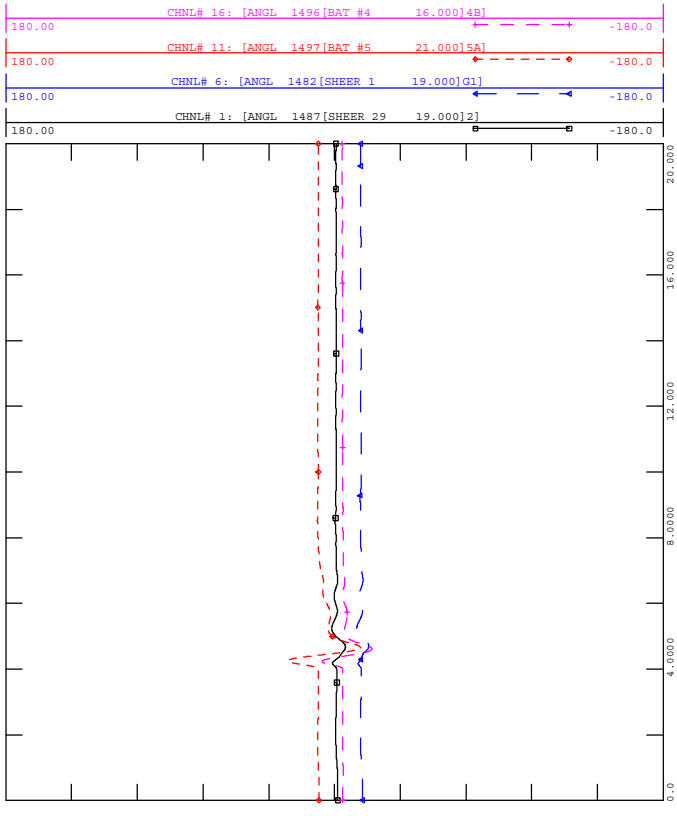


NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out

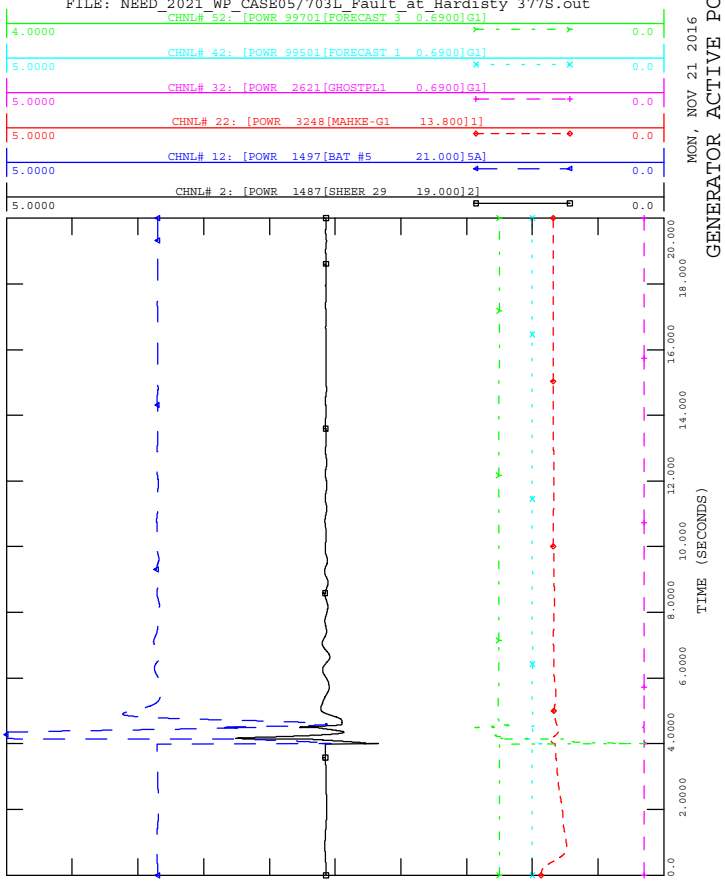
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

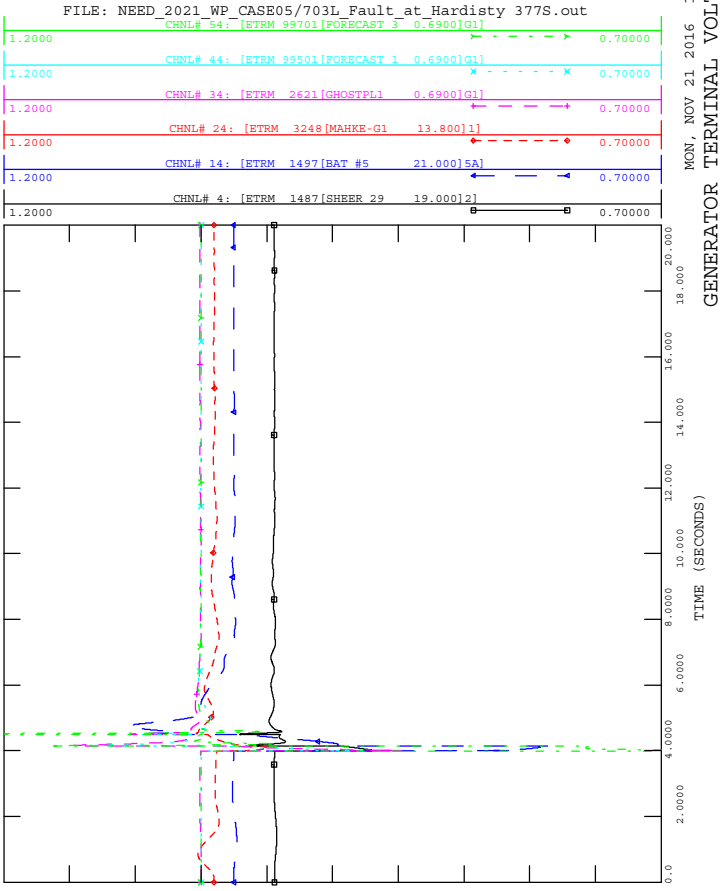
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

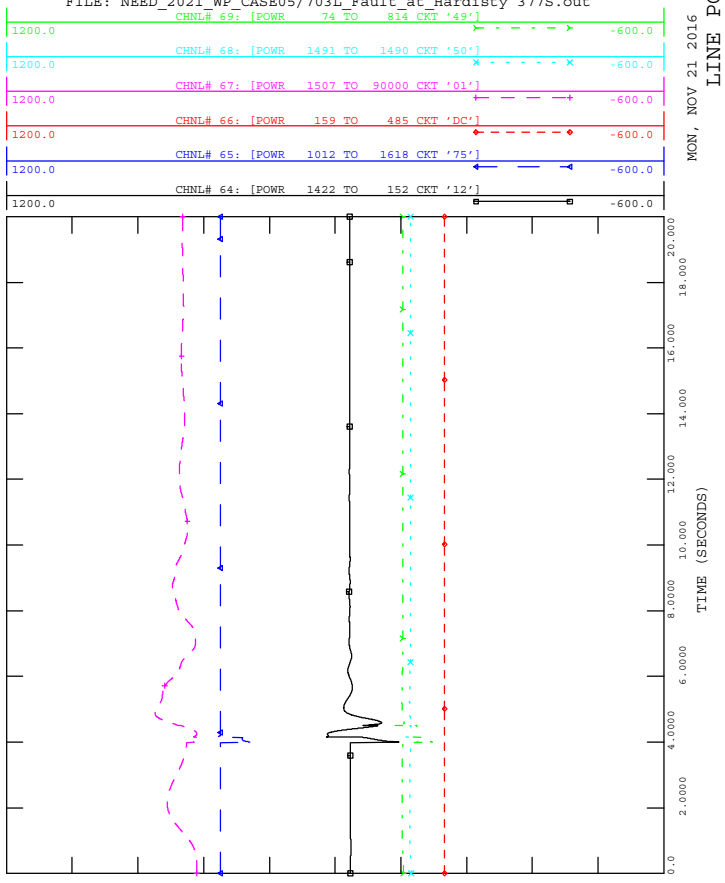
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

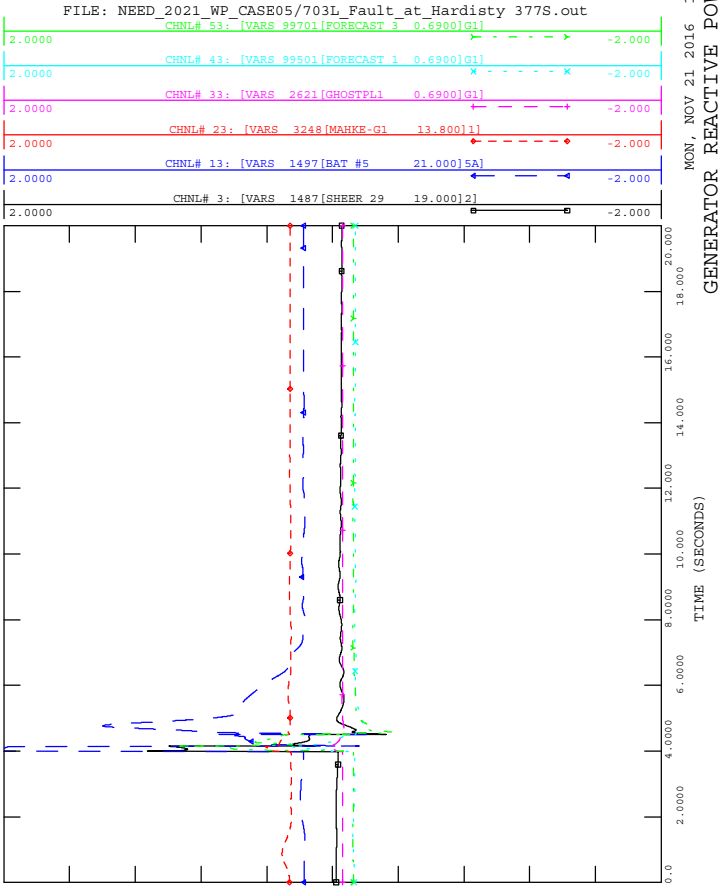
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out



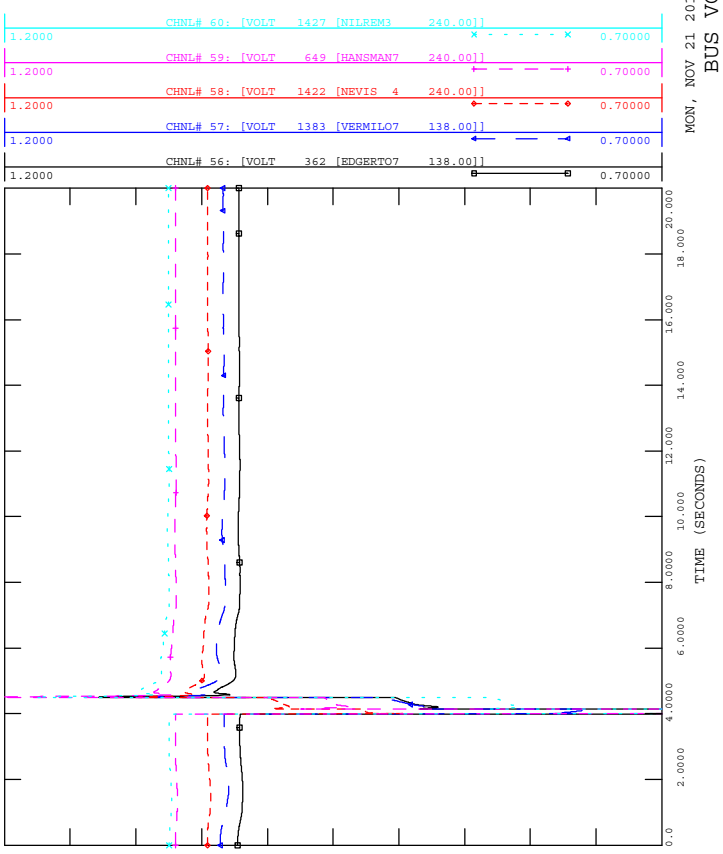
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

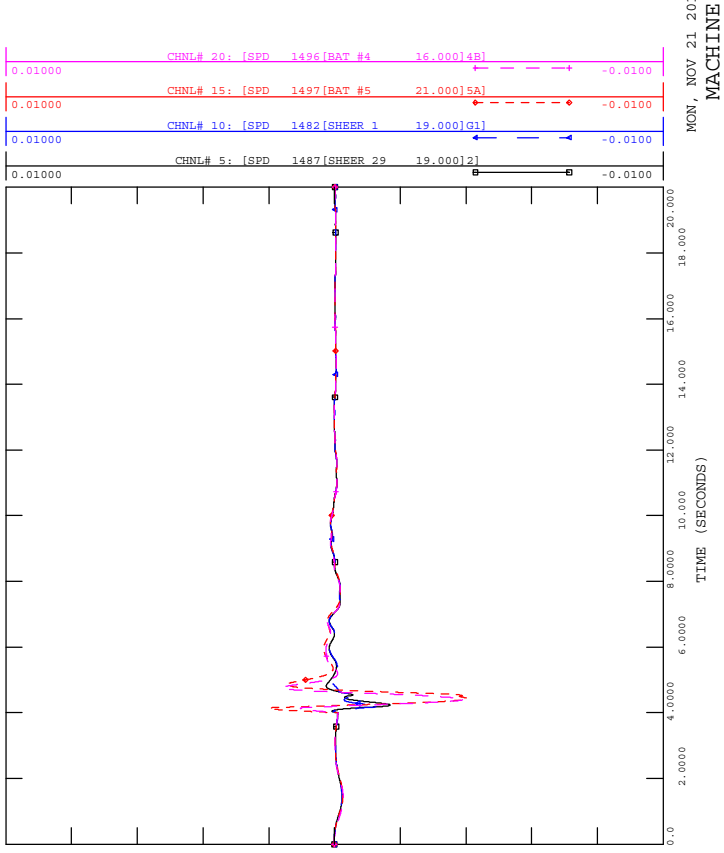


NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

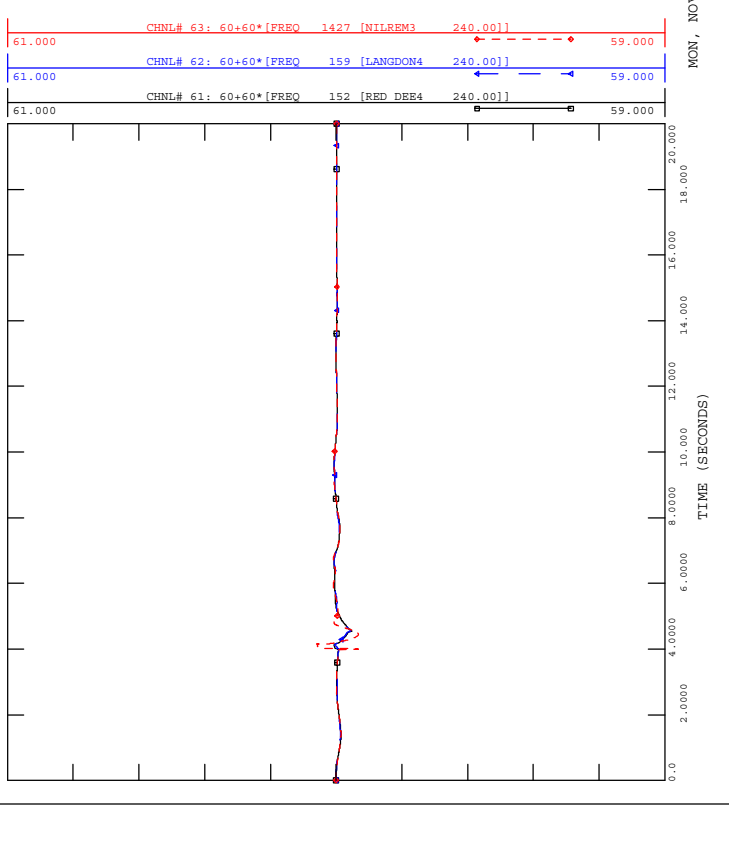


NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 13:35

FREQUENCY

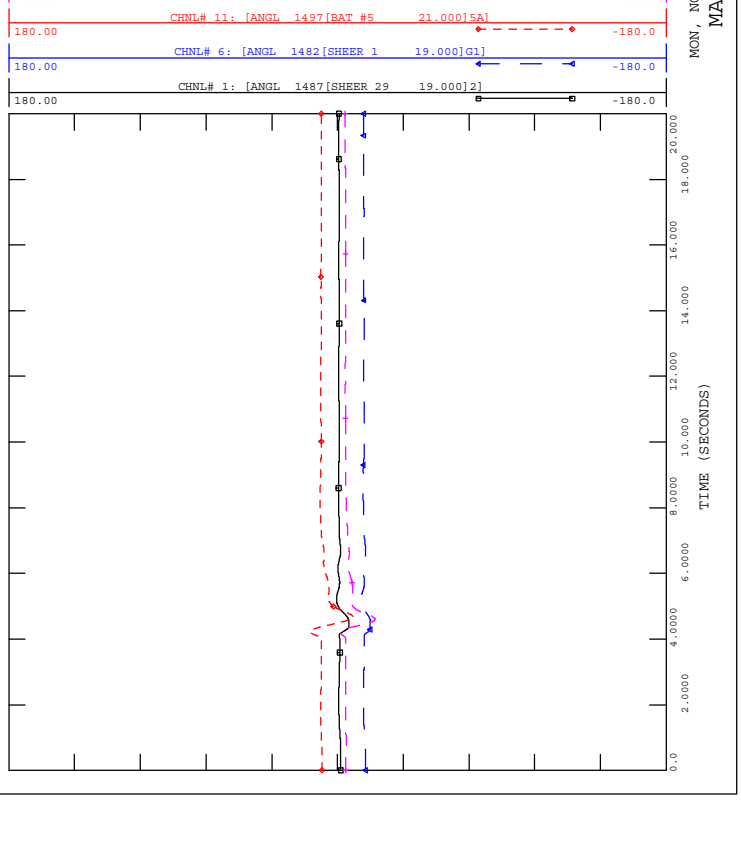


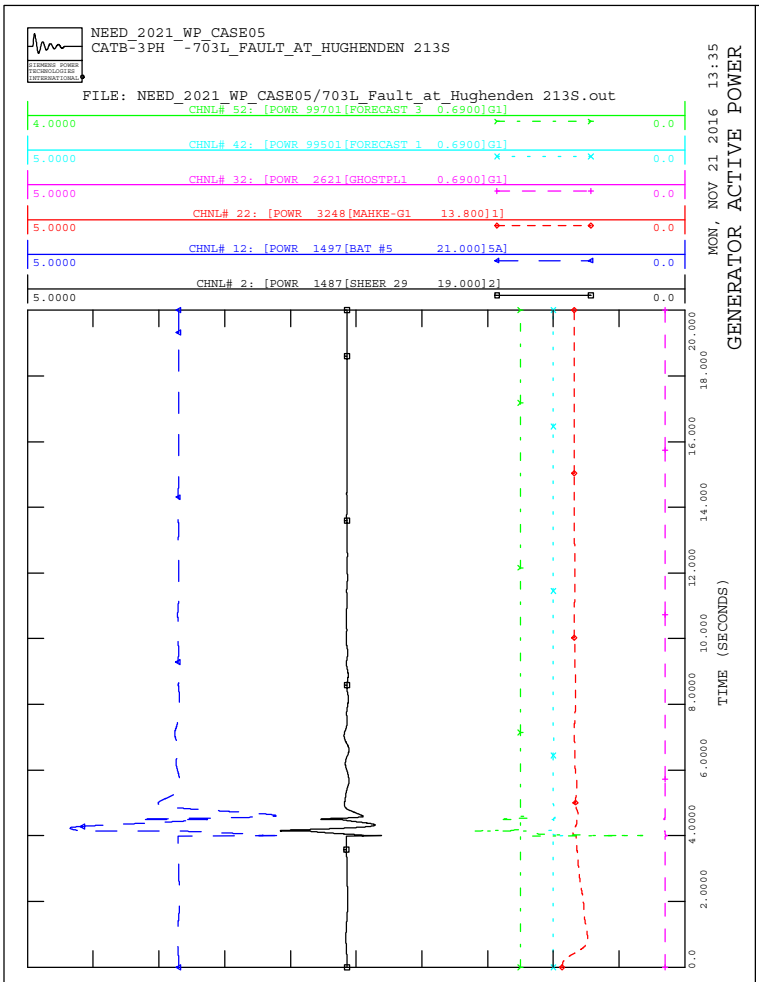
NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

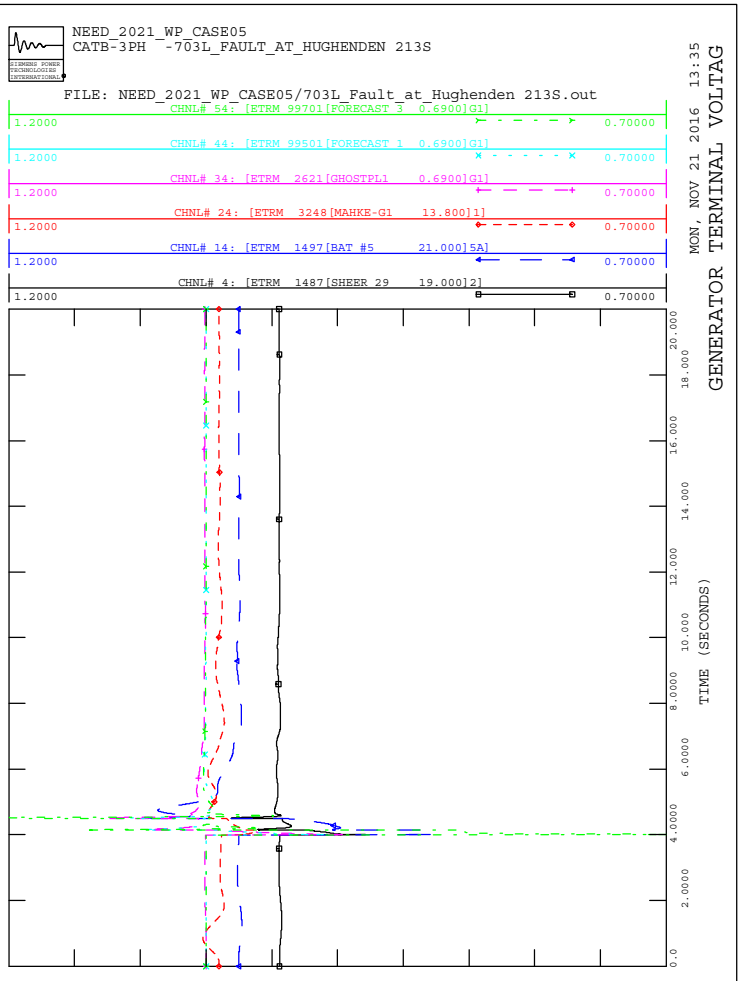
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out

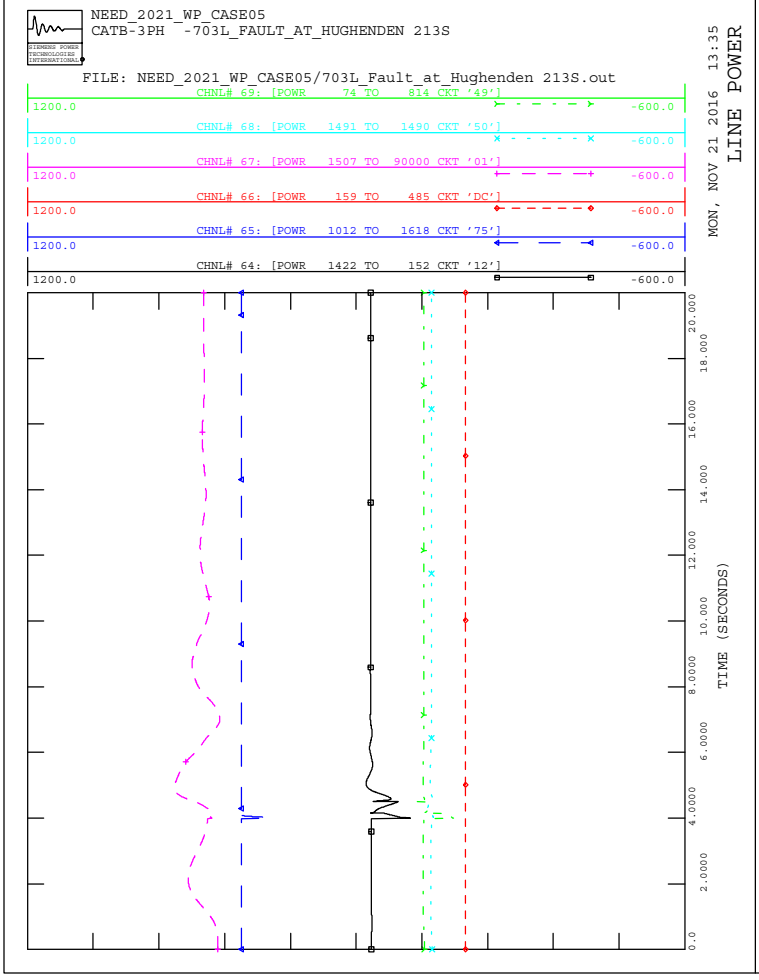
MON, NOV 21 2016 13:35

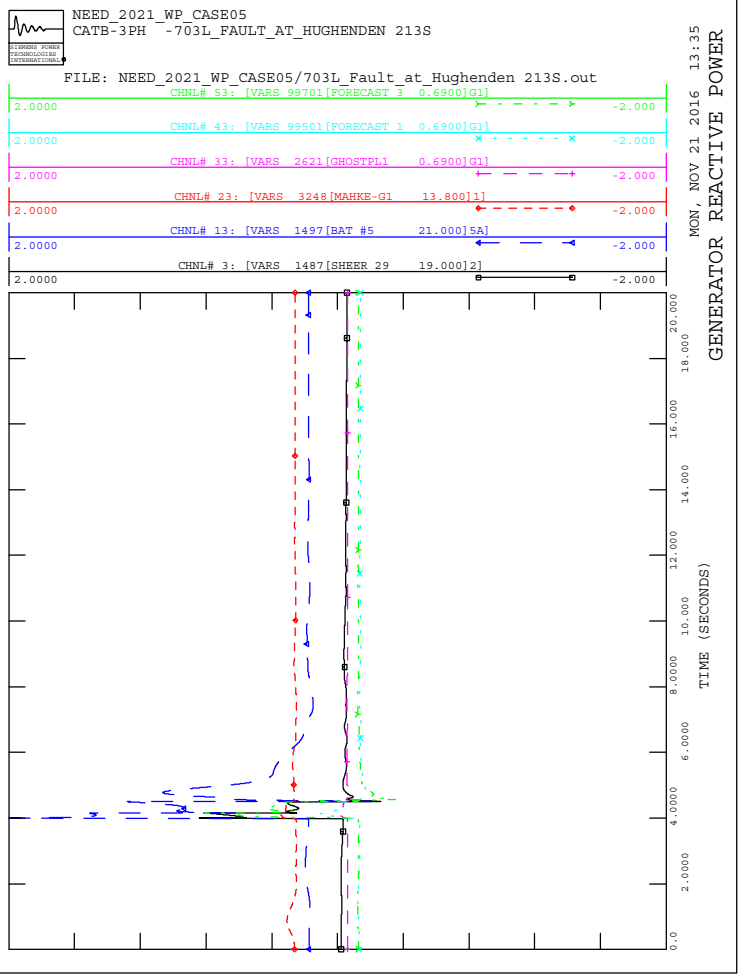
MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:35
LINE POWER

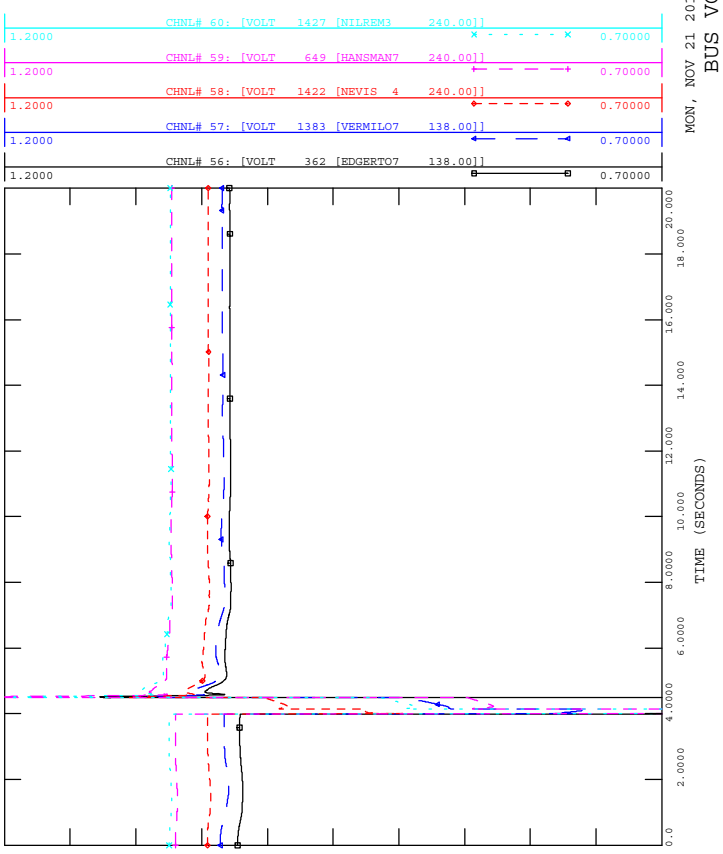

NEED_2021_WP_CASE05
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

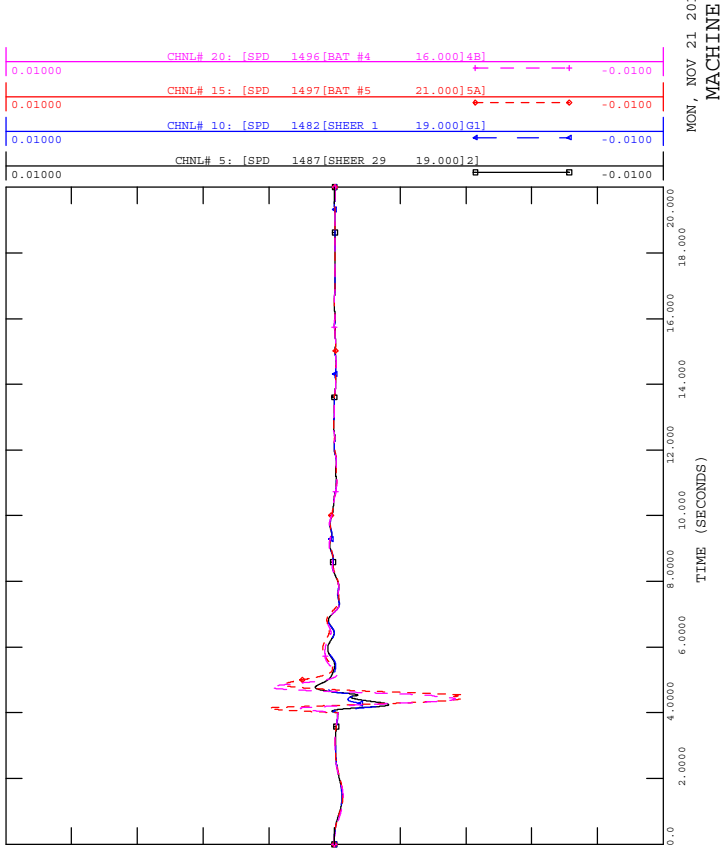


NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

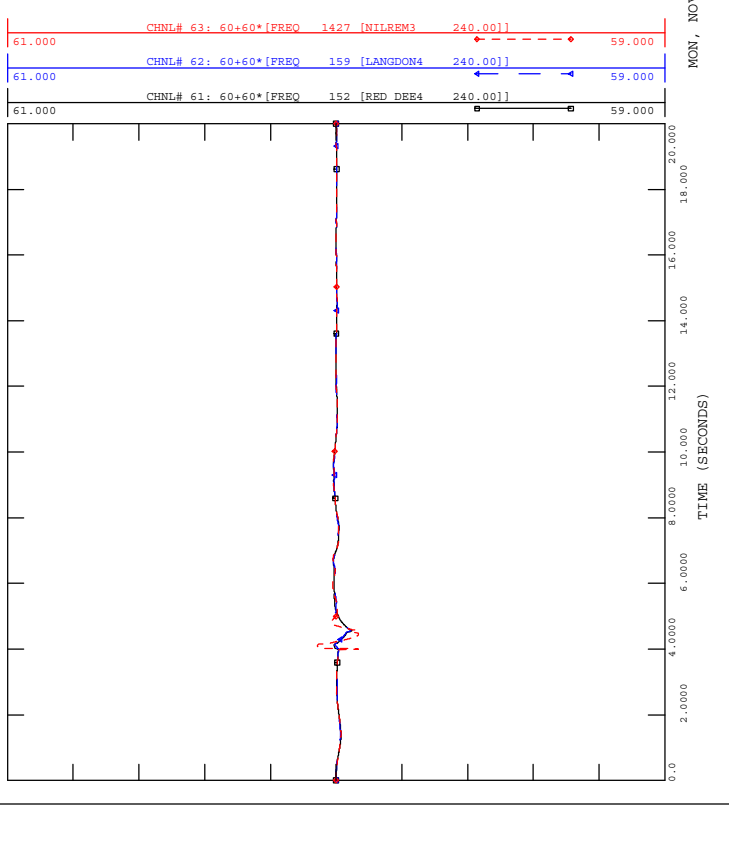


NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 13:35

FREQUENCY

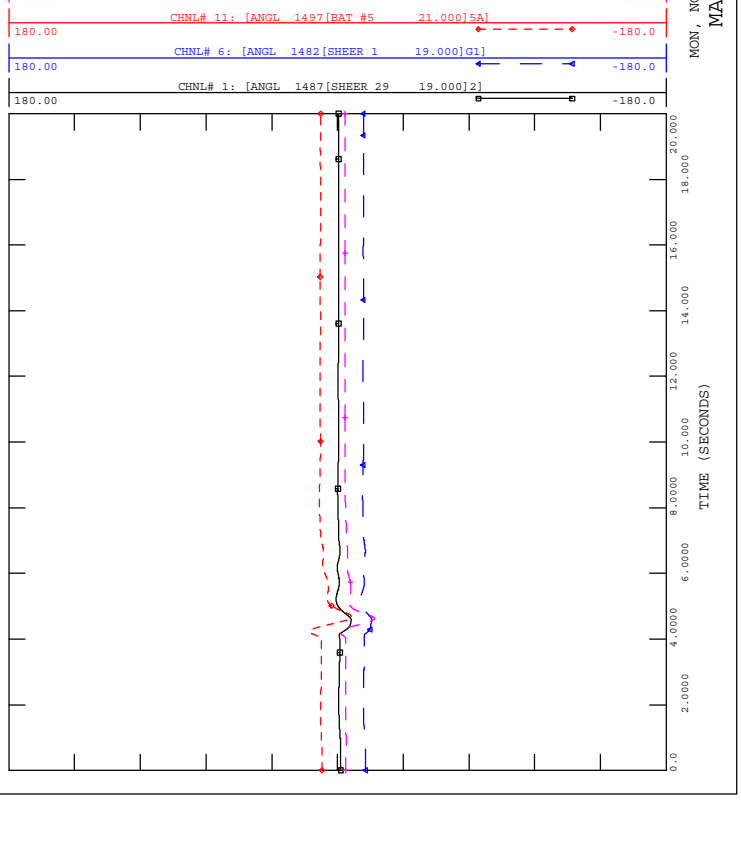


NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out

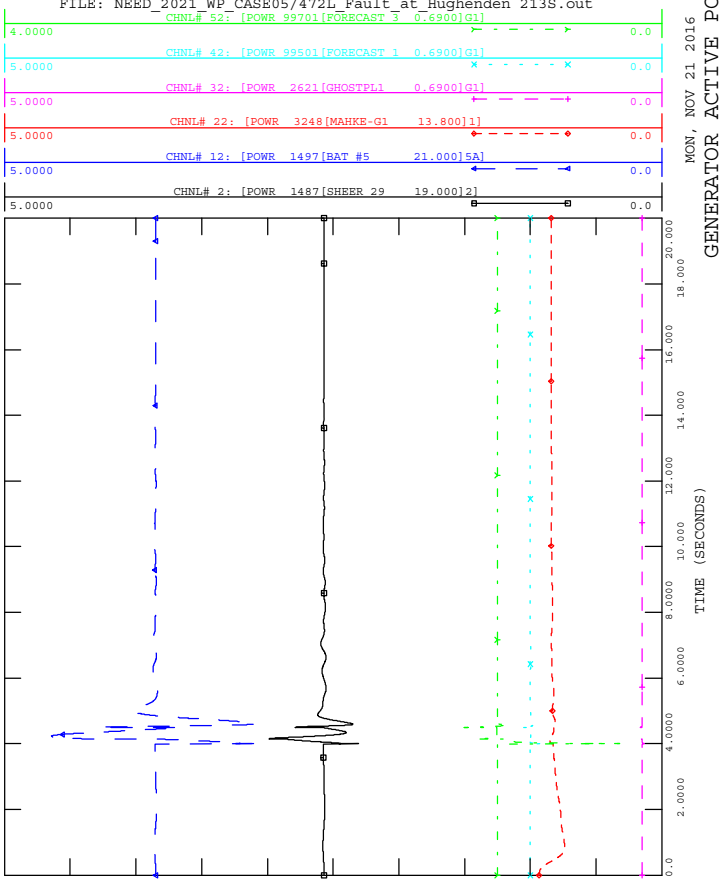
MON, NOV 21 2016 13:35

MACHINE ANGEL



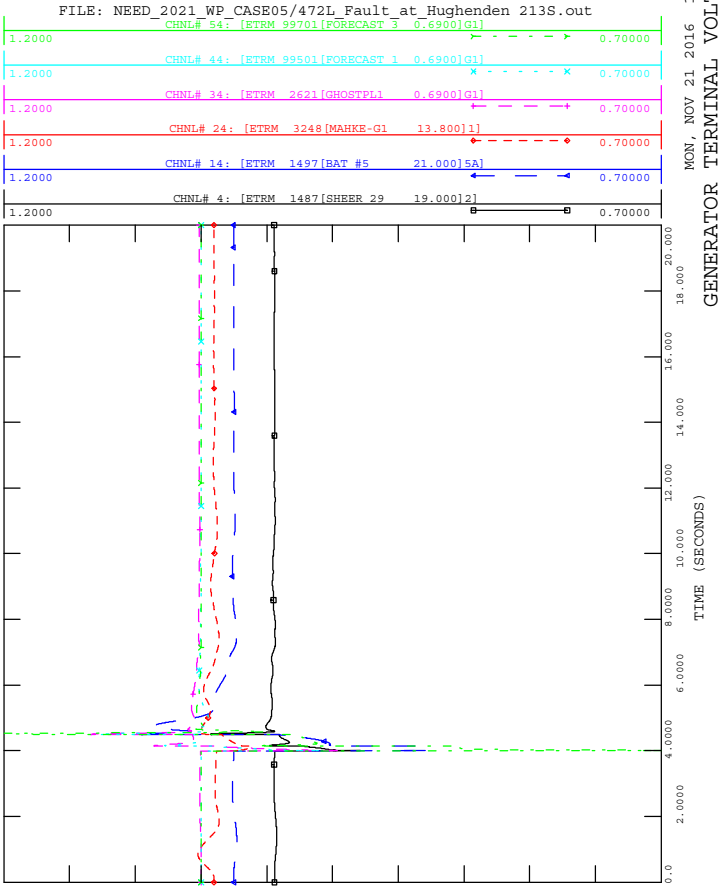
NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out



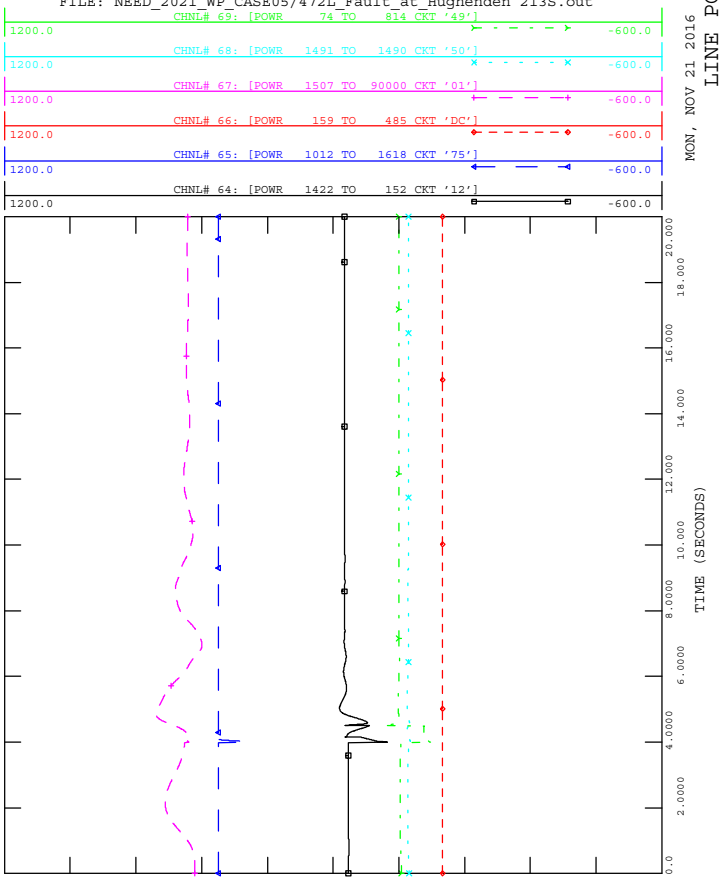
NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out



NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out



NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

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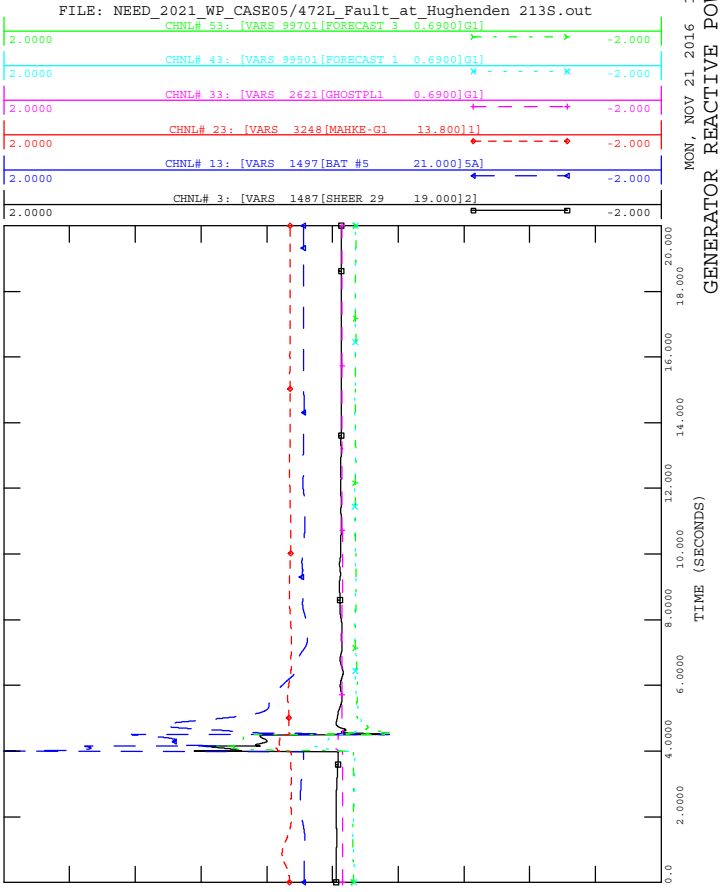
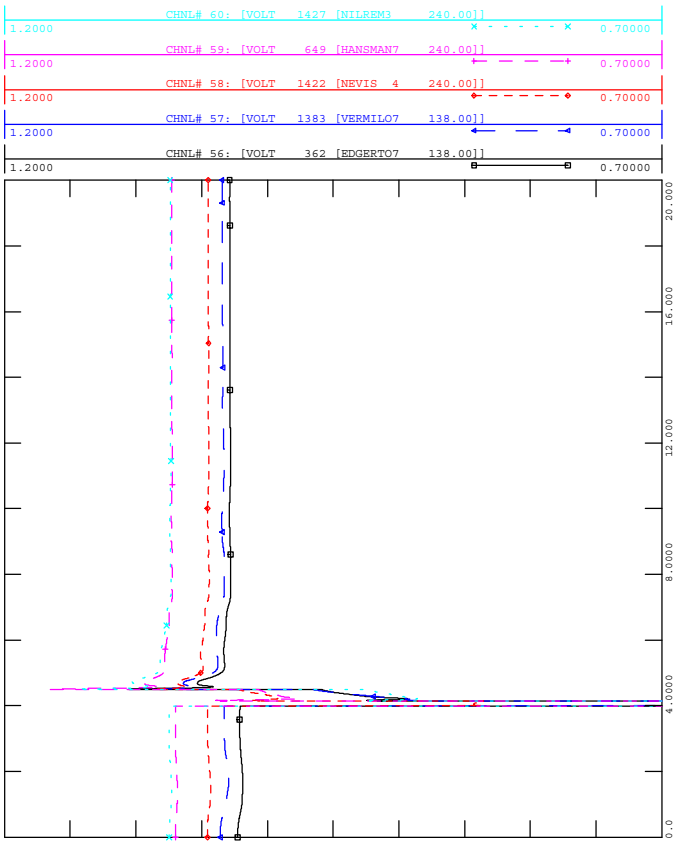


NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

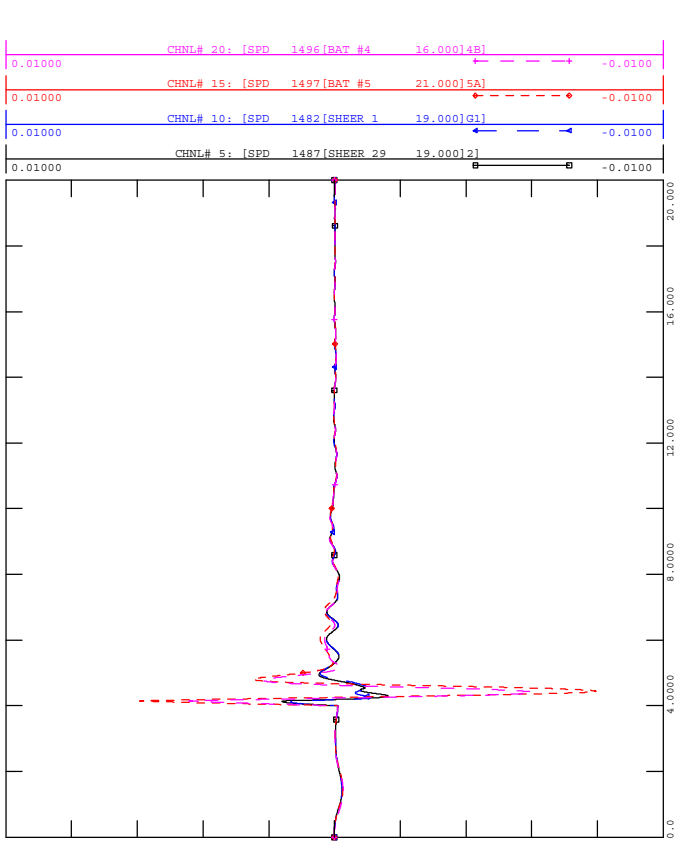


NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

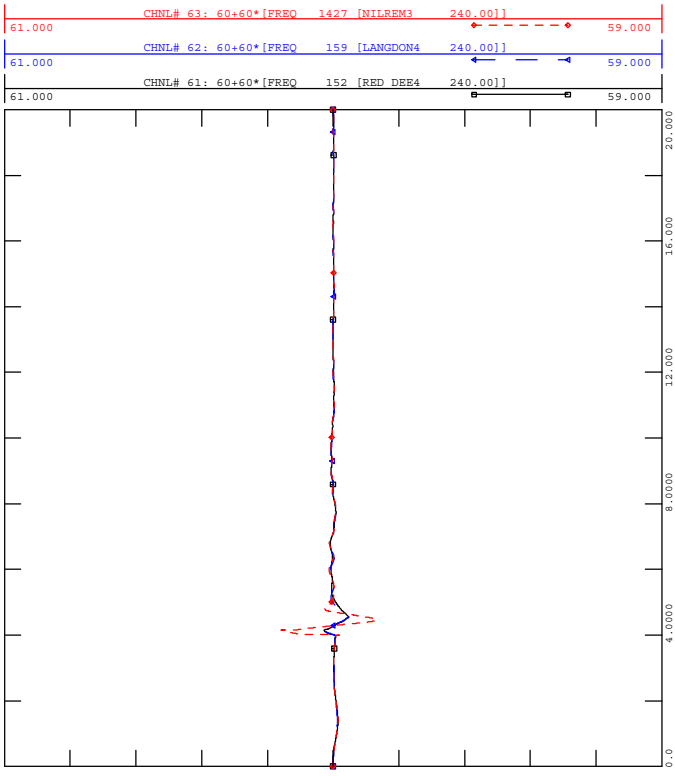


NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

FREQUENCY

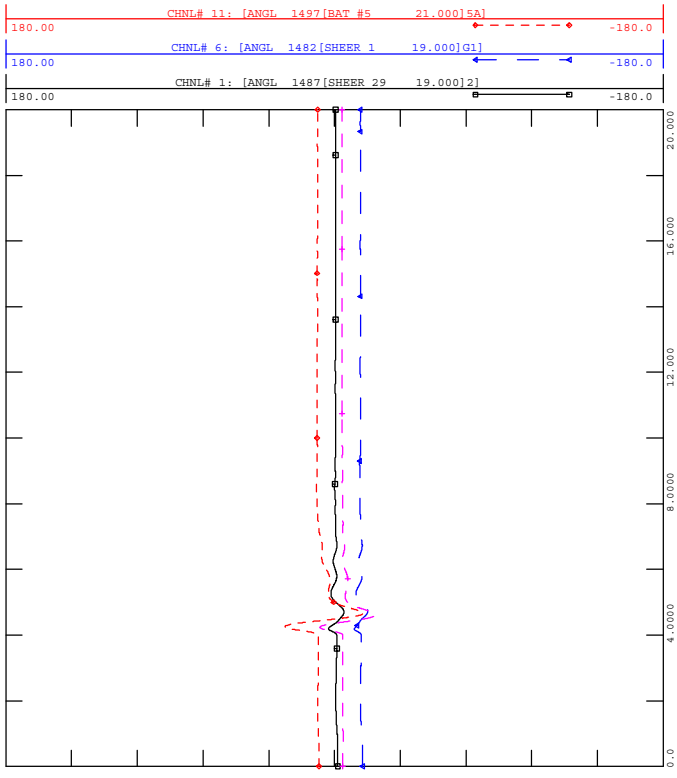


NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_METISKOW 648S

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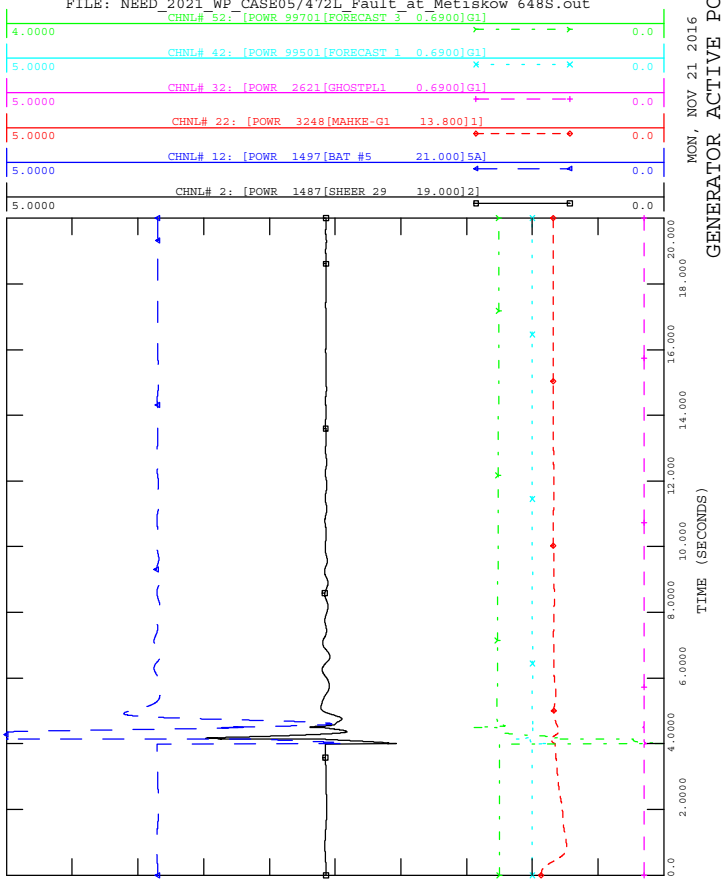
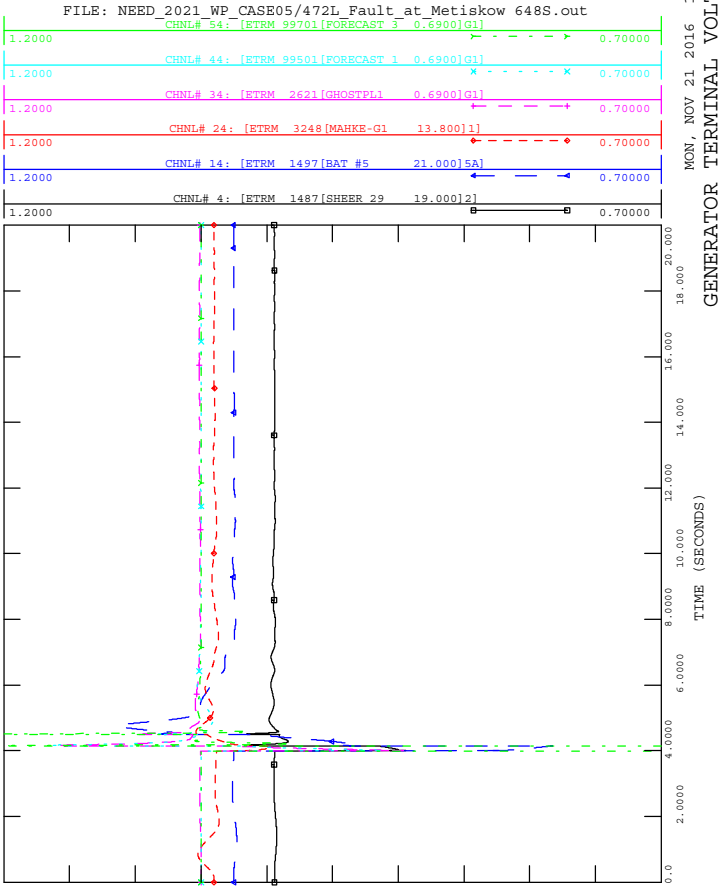


GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:35

NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_METISKOW 648S

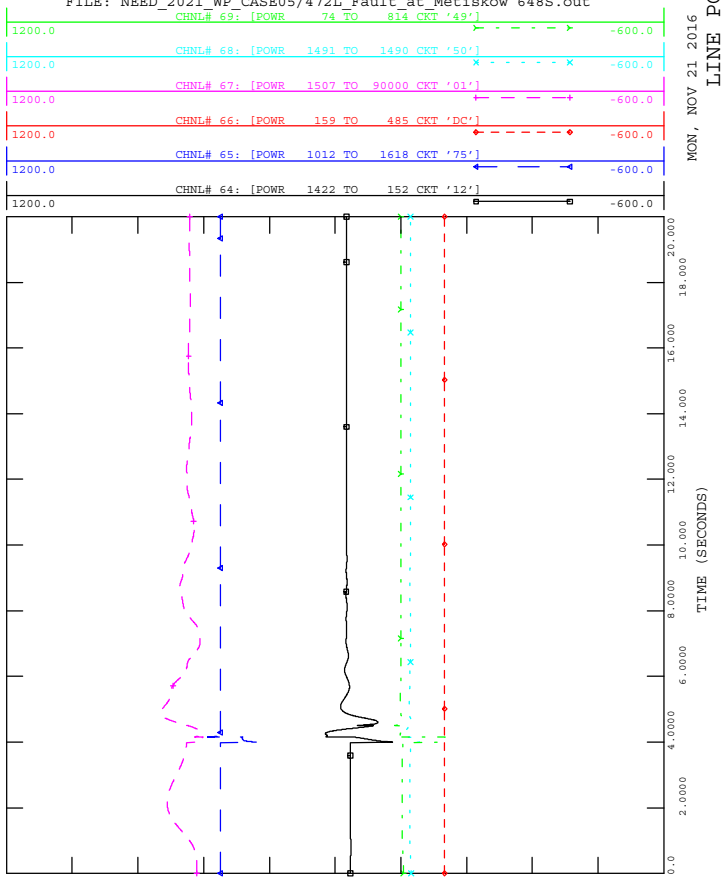
FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:35

NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_METISKOW 648S

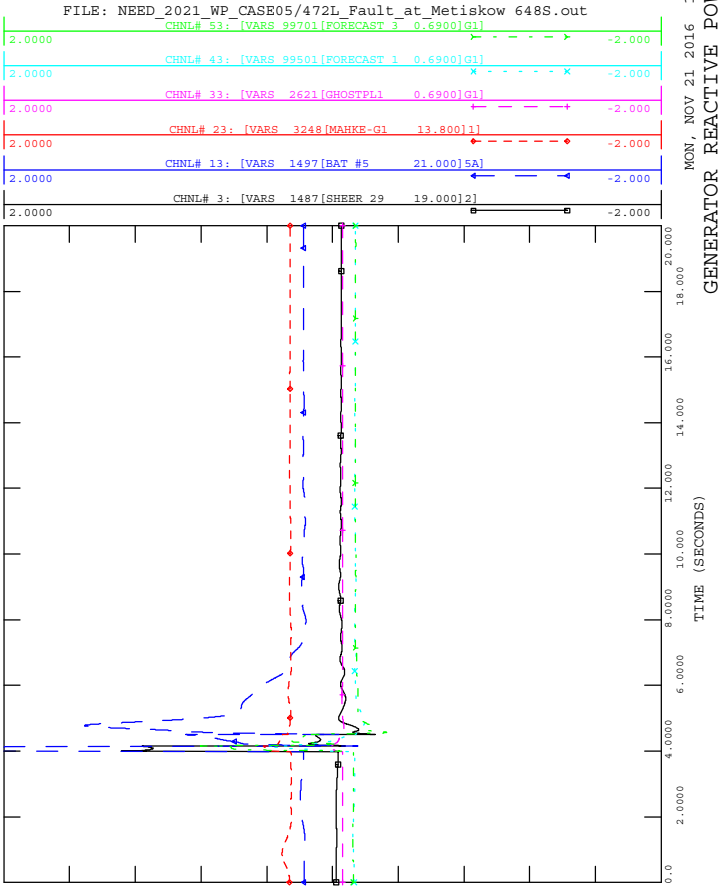
FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out



LINE POWER
MON, NOV 21 2016 13:35

NEED_2021_WP_CASE05
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out



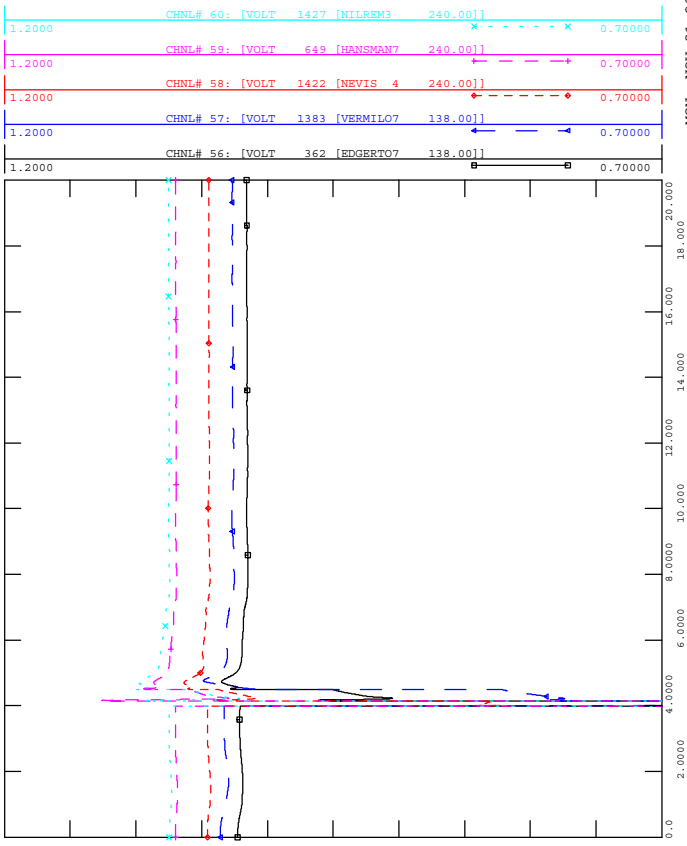
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:35

NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

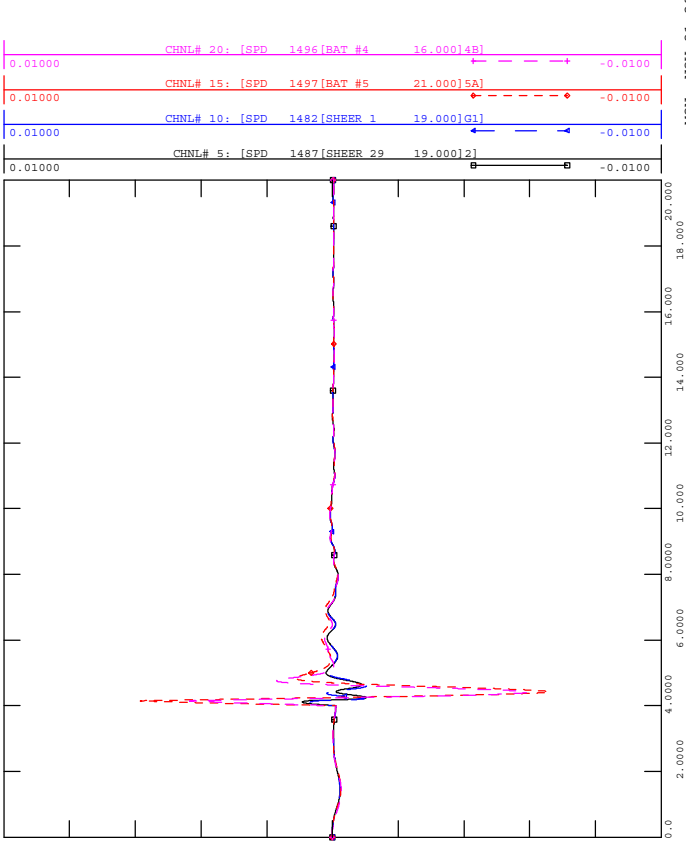


NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

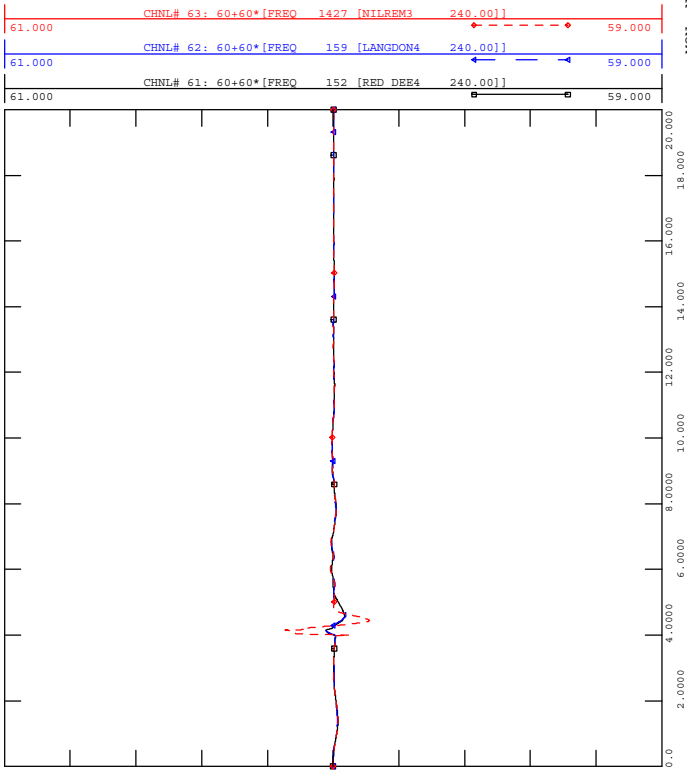


NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 13:35

FREQUENCY

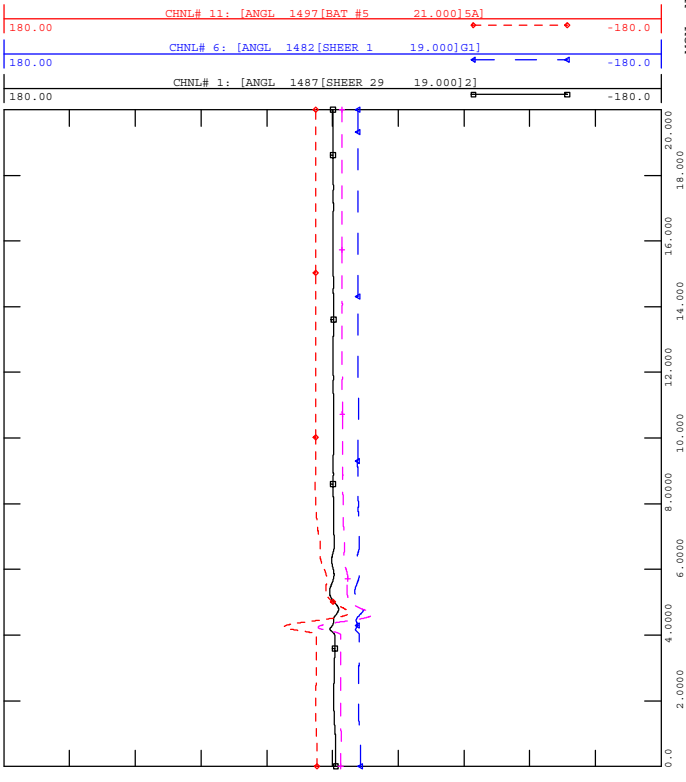


NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

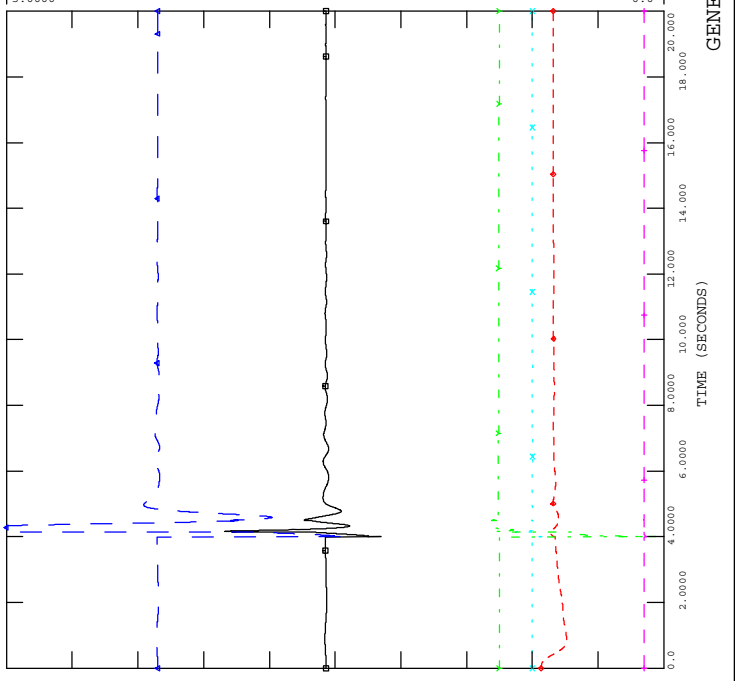
FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

GENERATOR ACTIVE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)



NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

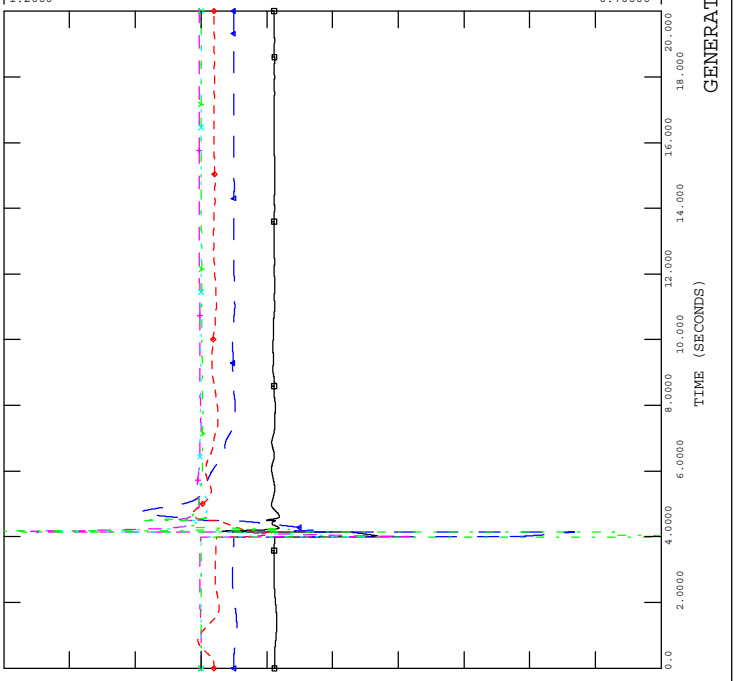
FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

GENERATOR TERMINAL VOLTAG

MON, NOV 21 2016 13:35

TIME (SECONDS)



NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

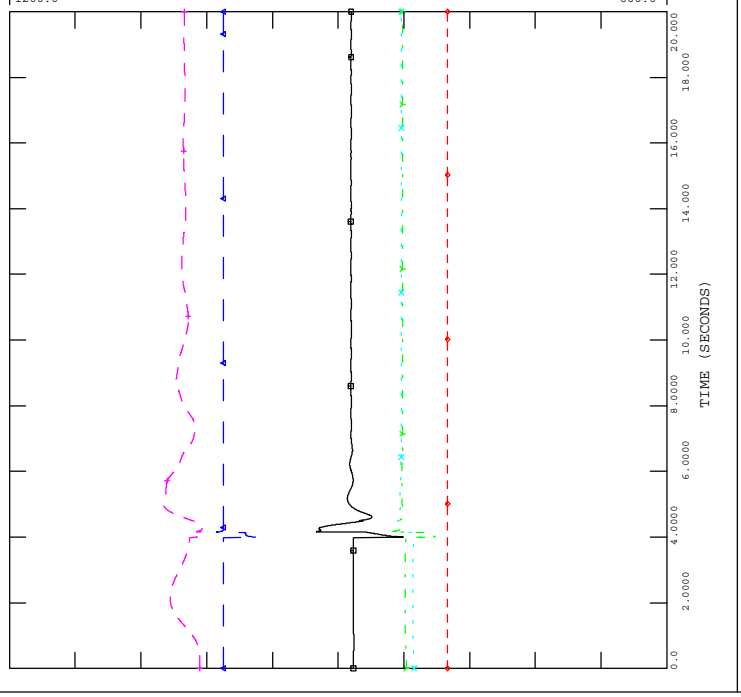
FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

LINE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)



NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

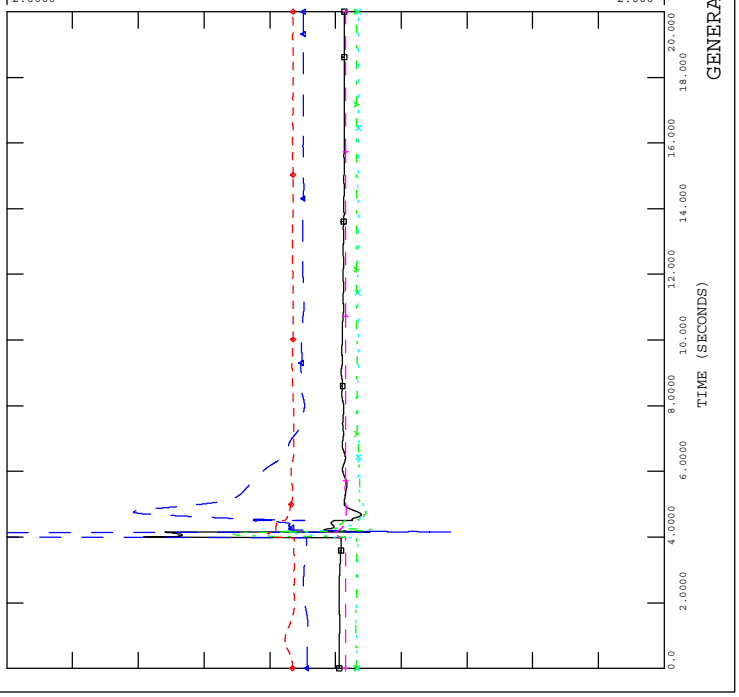
FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

GENERATOR REACTIVE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)

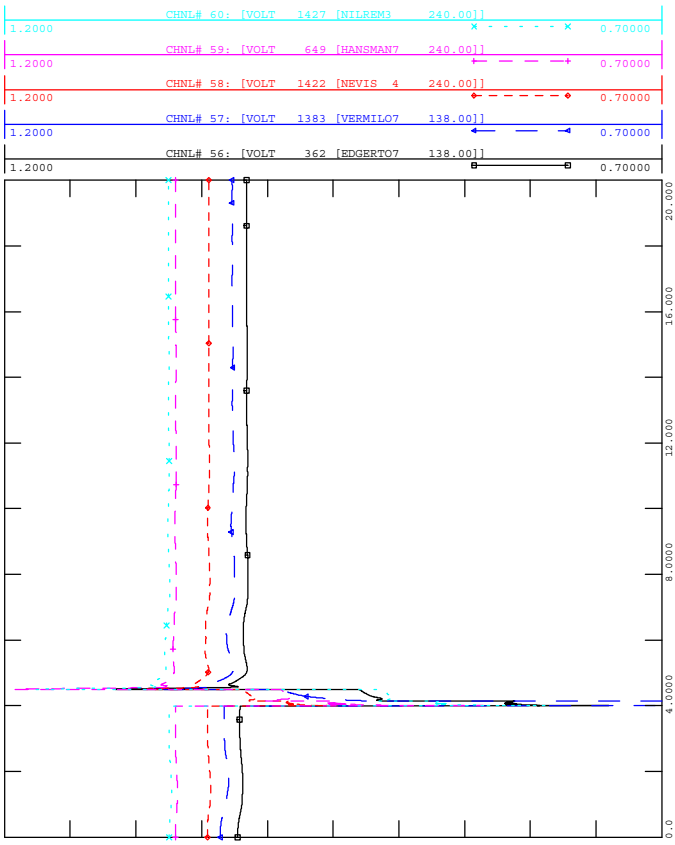


NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

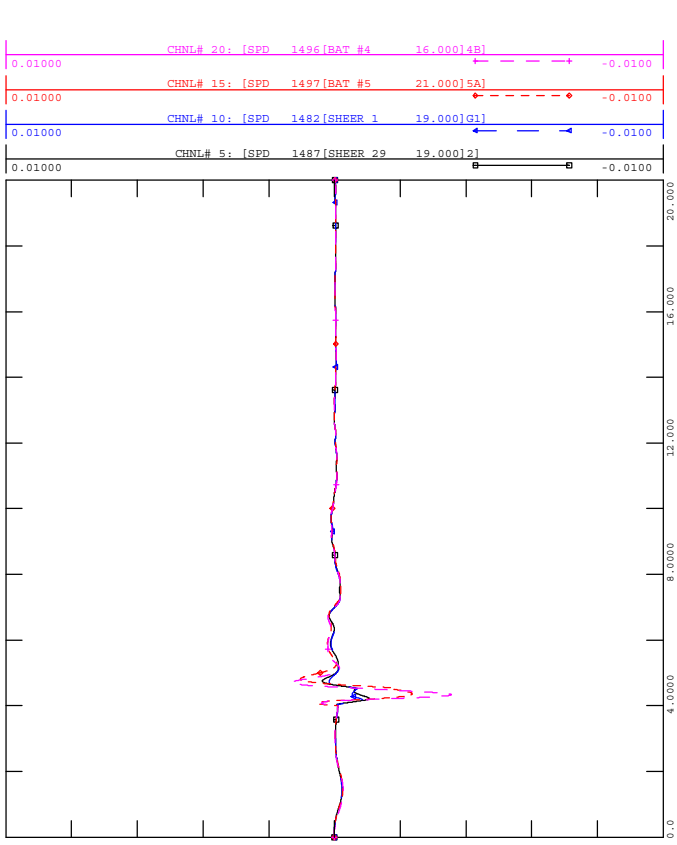


NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

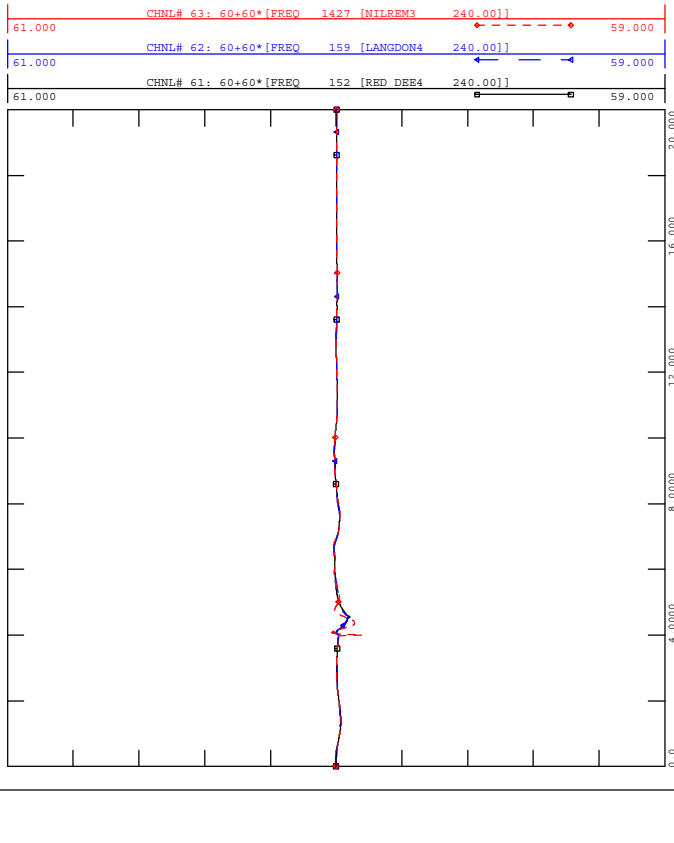


NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out

MON, NOV 21 2016 13:35

FREQUENCY

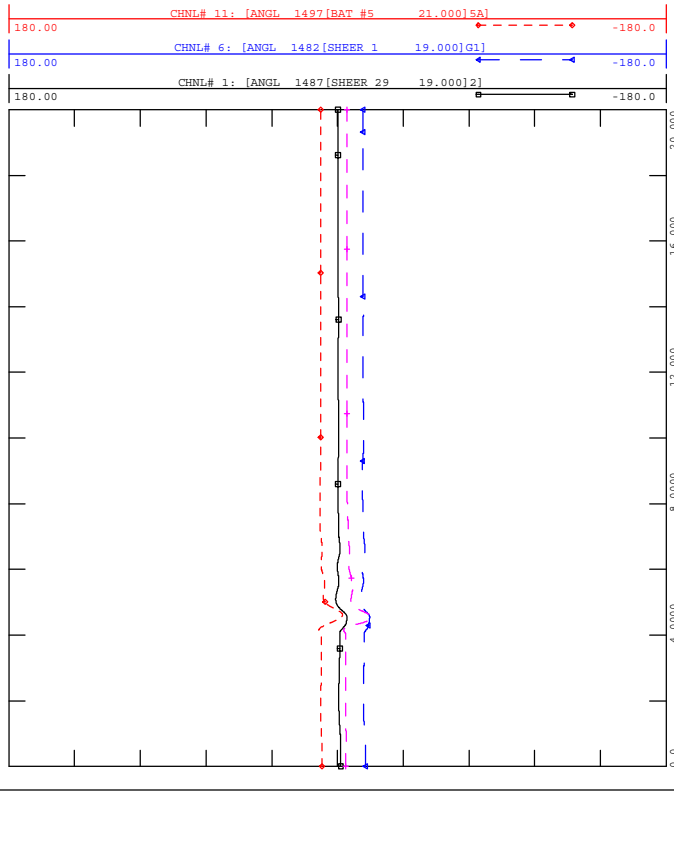


NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out

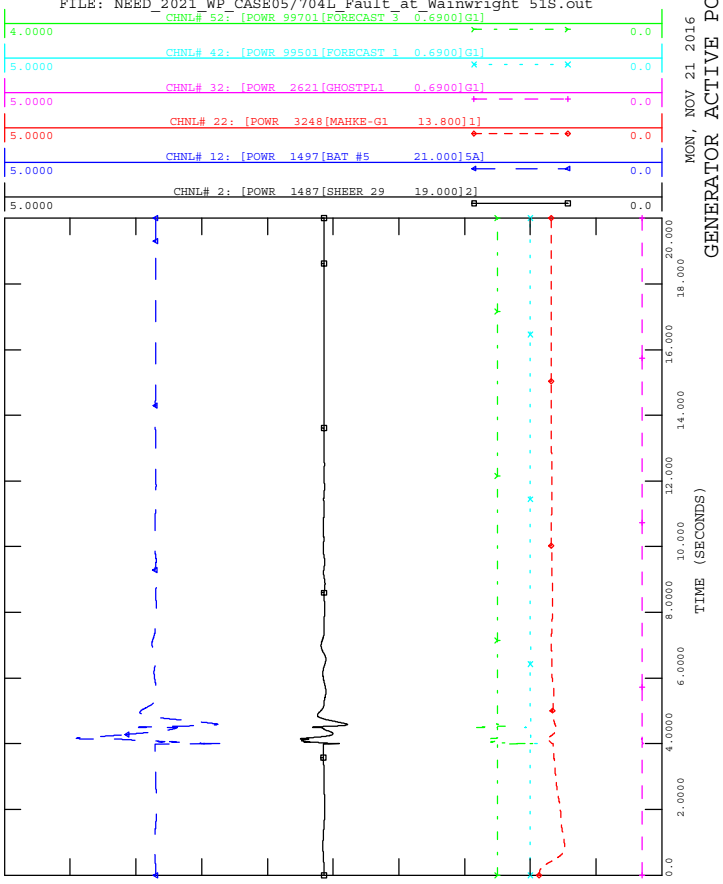
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

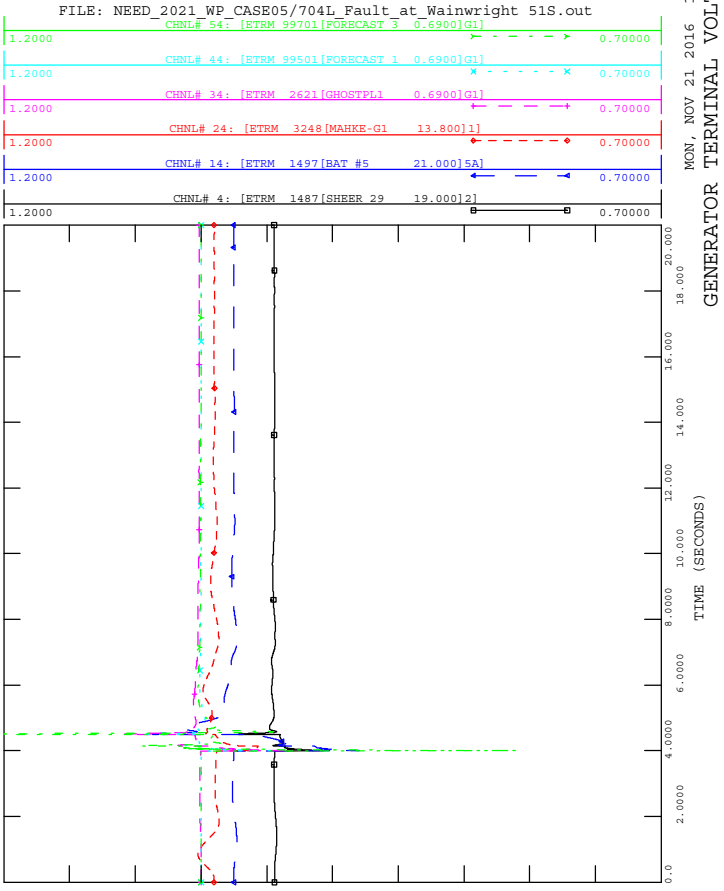
FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

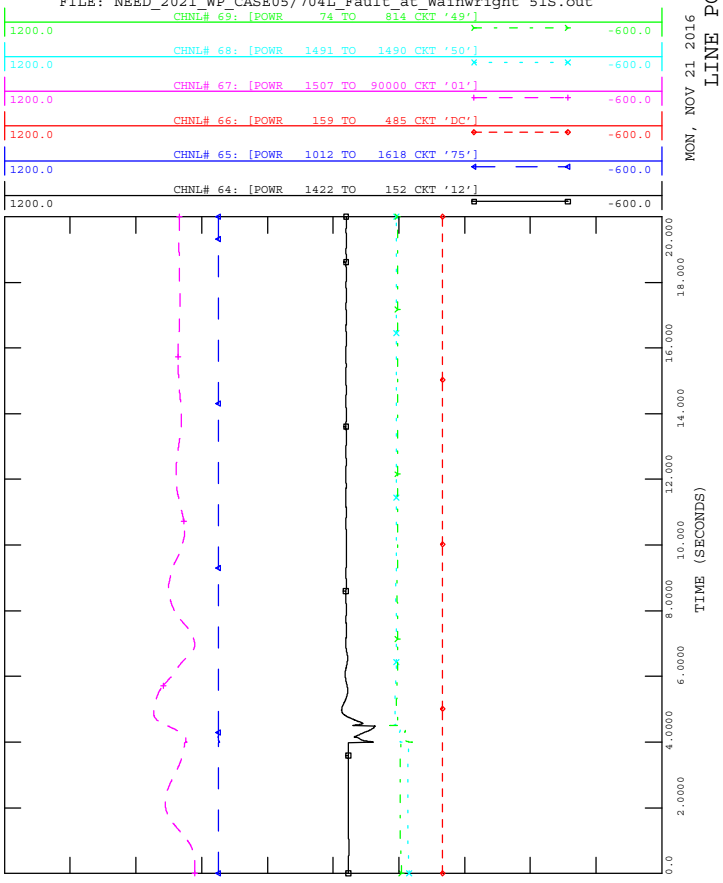
FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

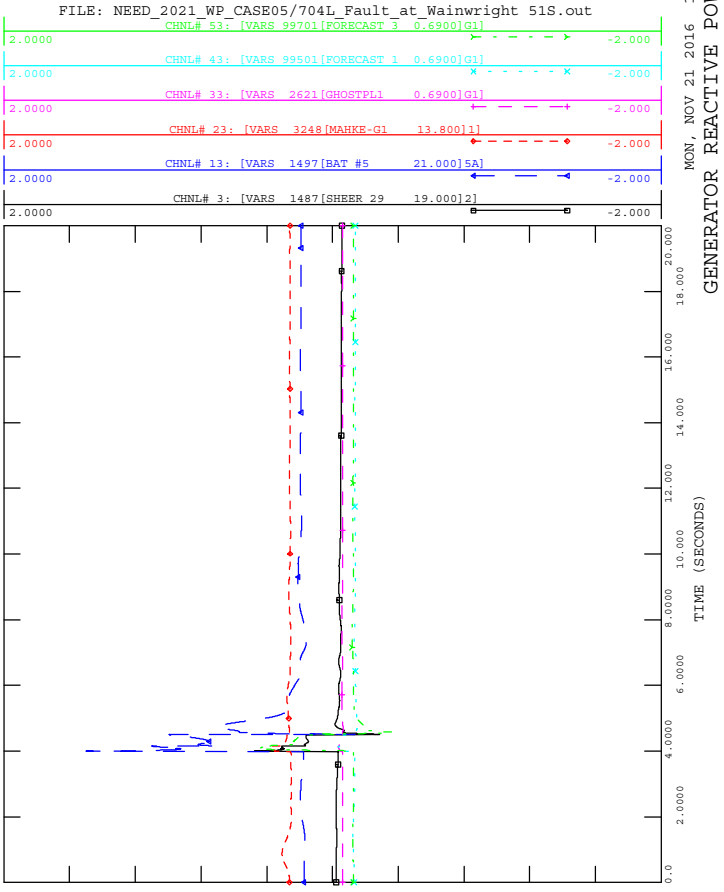
FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out



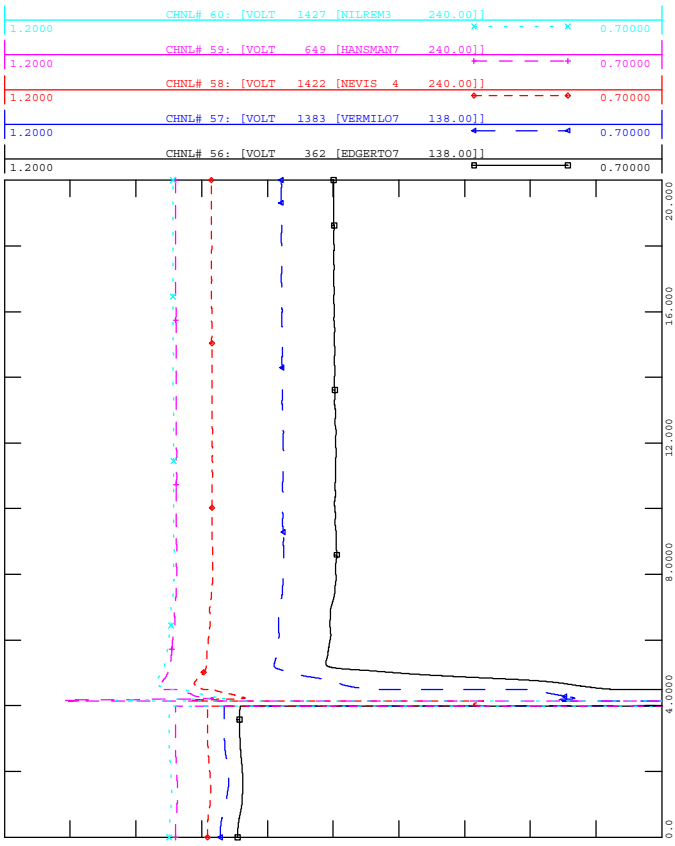
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

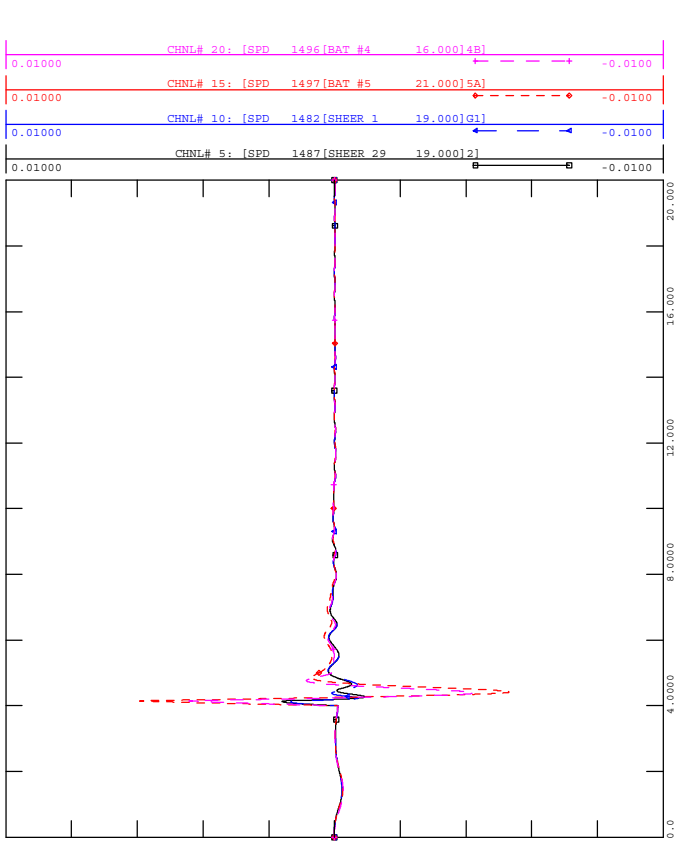


NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

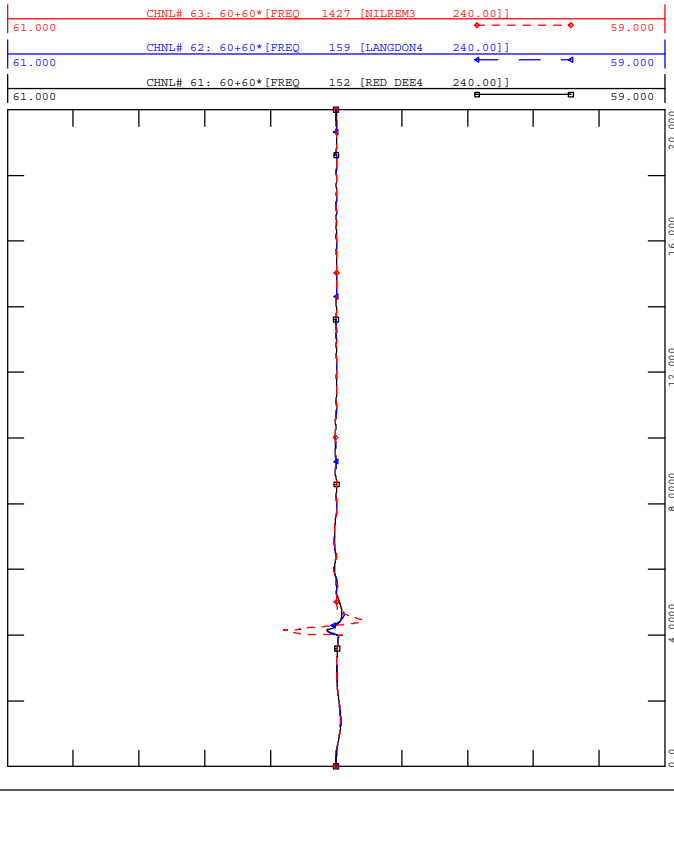


NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

FREQUENCY

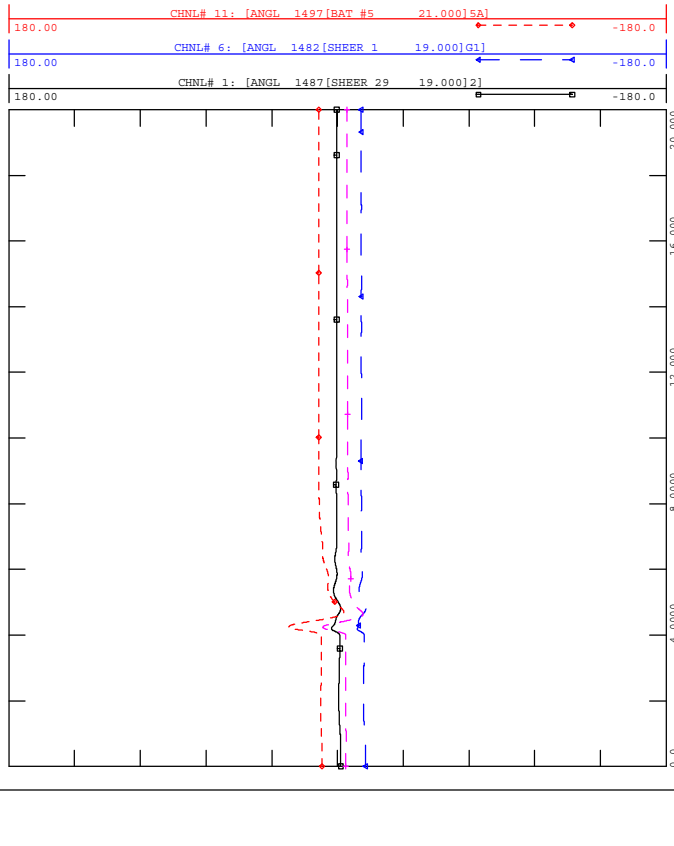


NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out

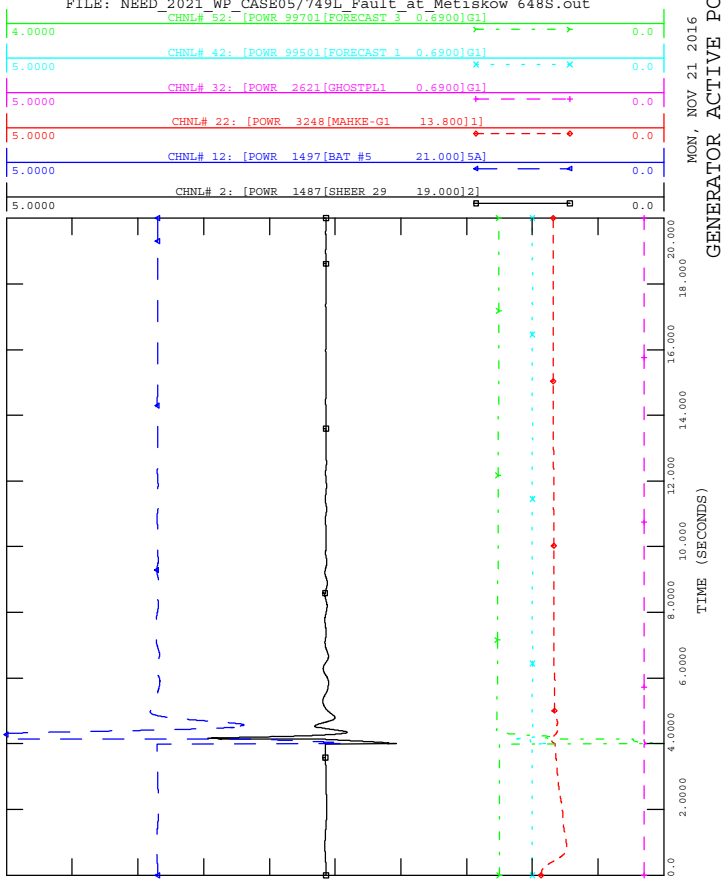
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_METISKOW 648S

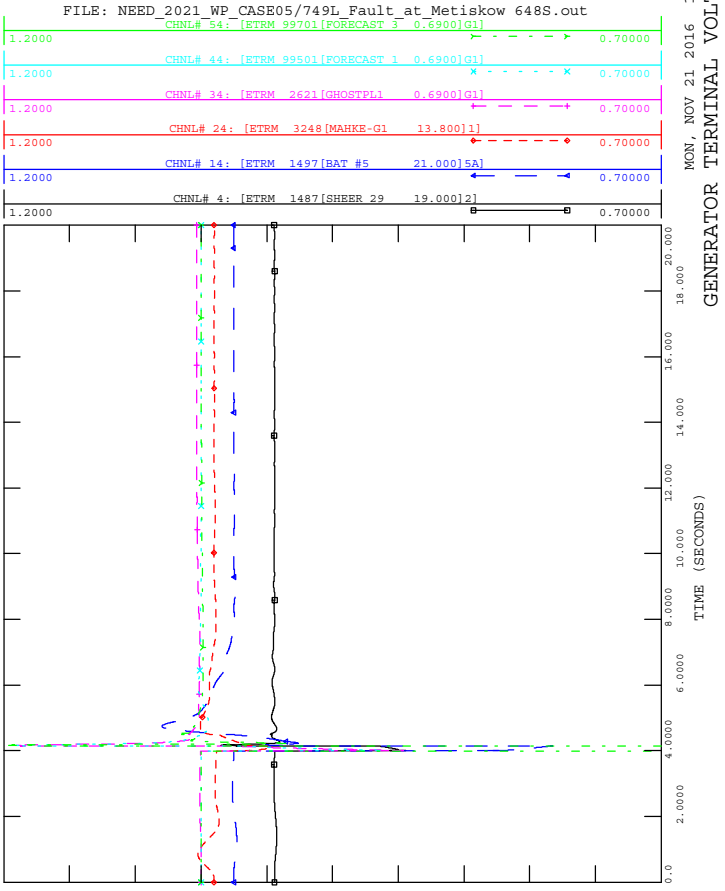
FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_METISKOW 648S

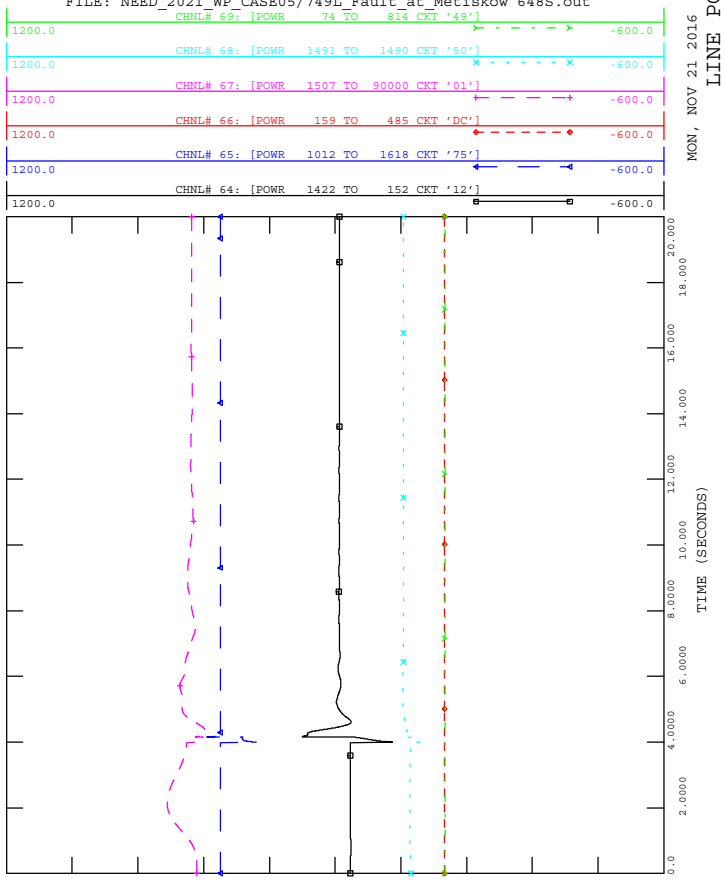
FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_METISKOW 648S

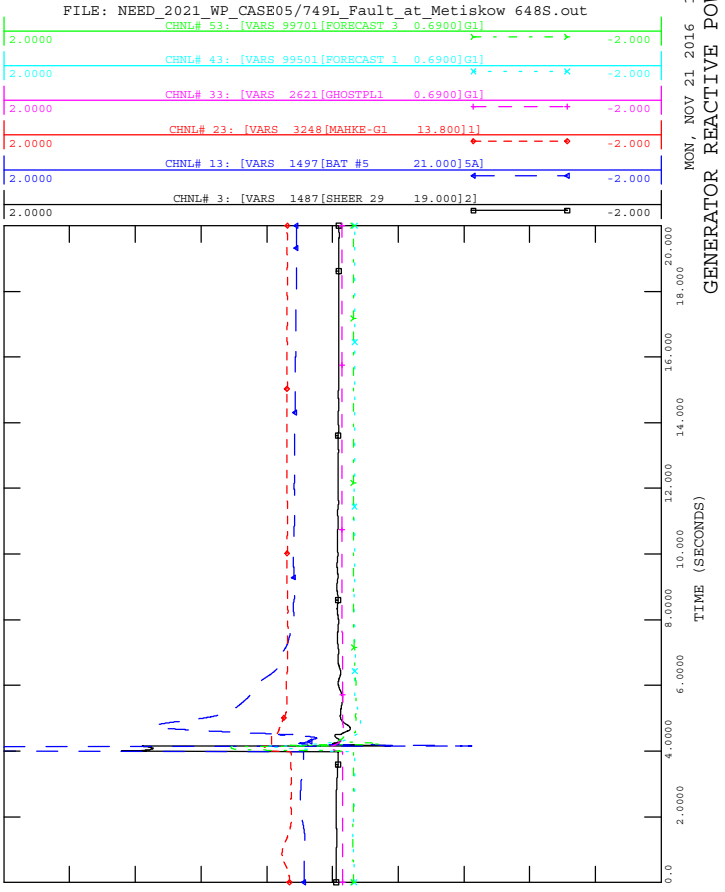
FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out



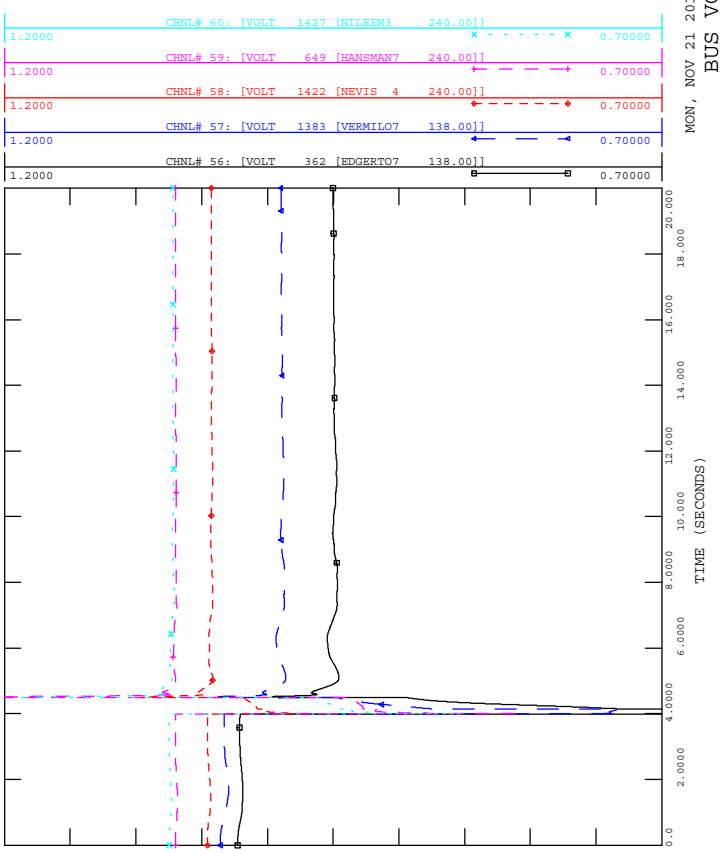
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

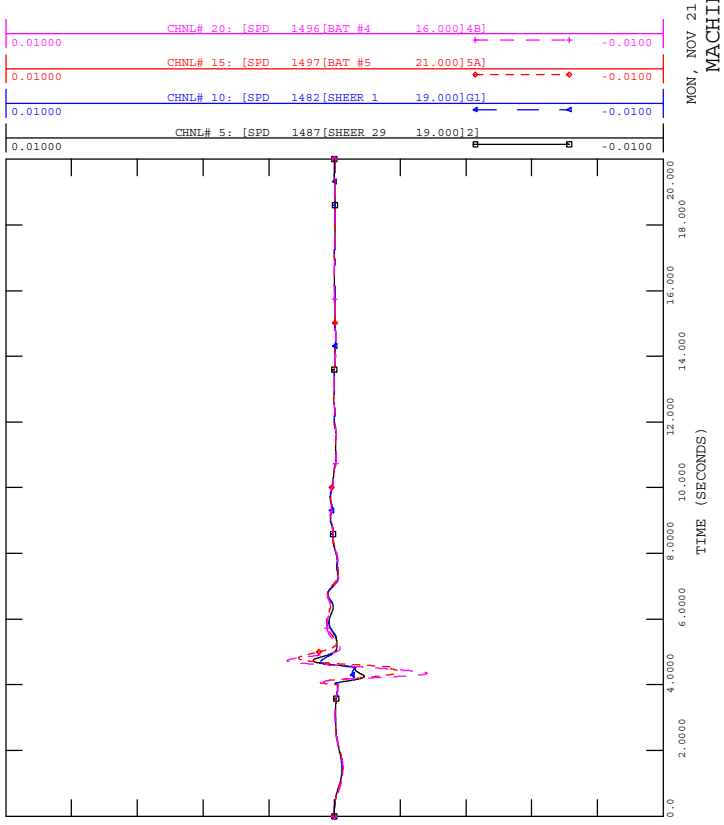


NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

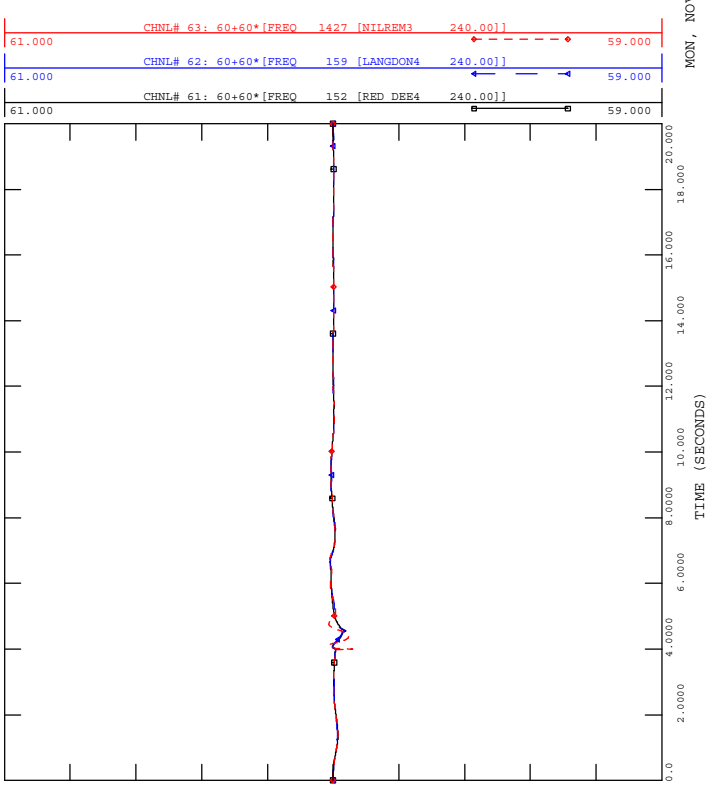


NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out

MON, NOV 21 2016 13:35

FREQUENCY

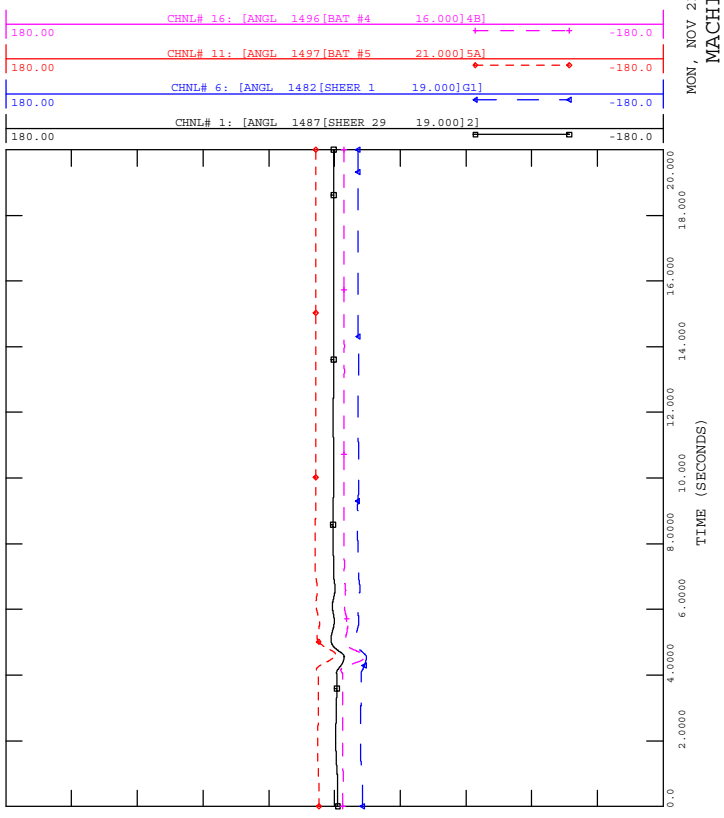


NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

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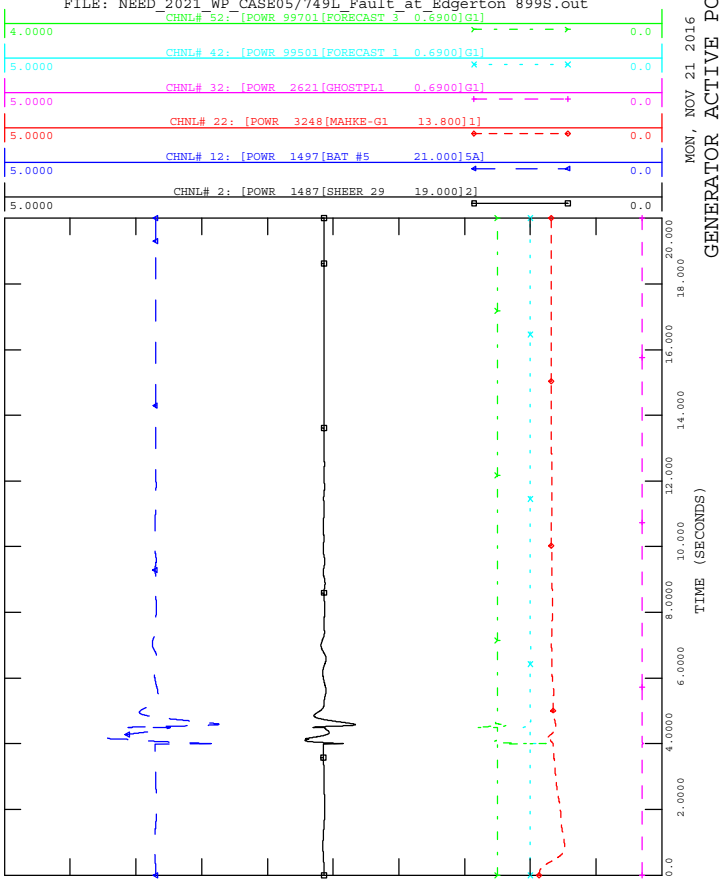
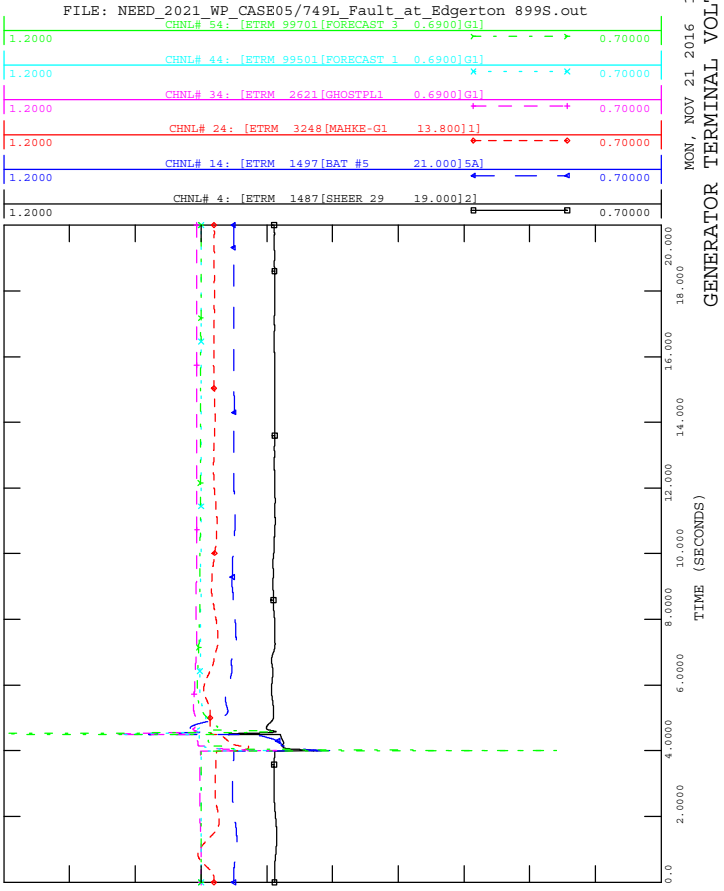


MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

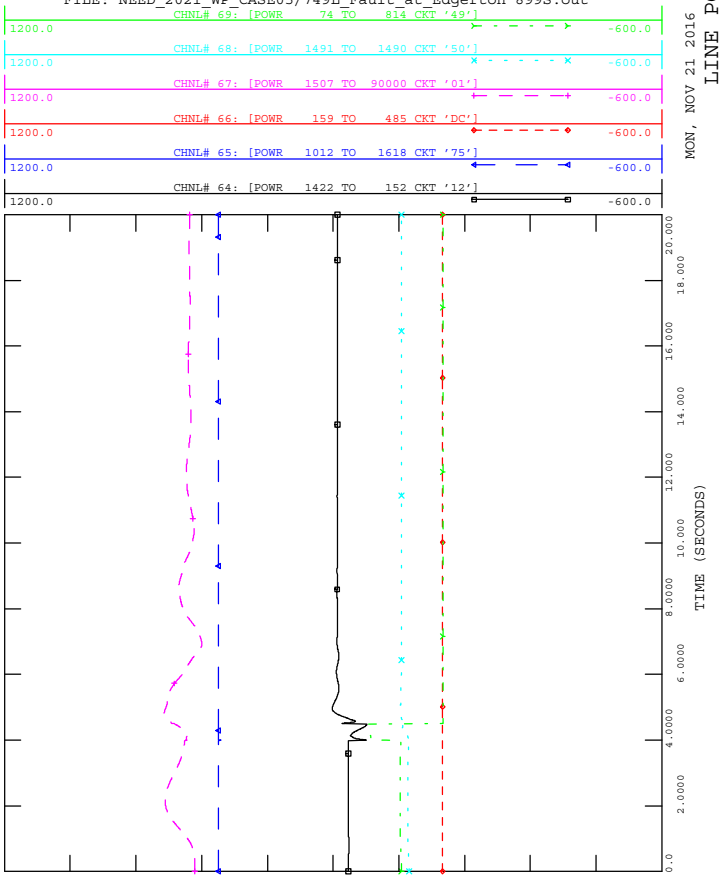
FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

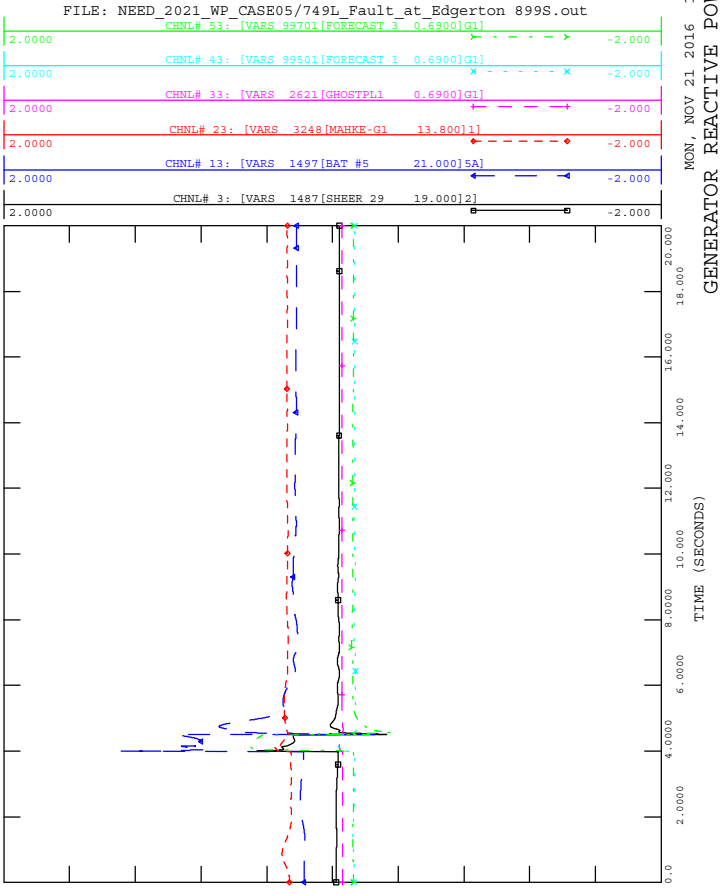
FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out



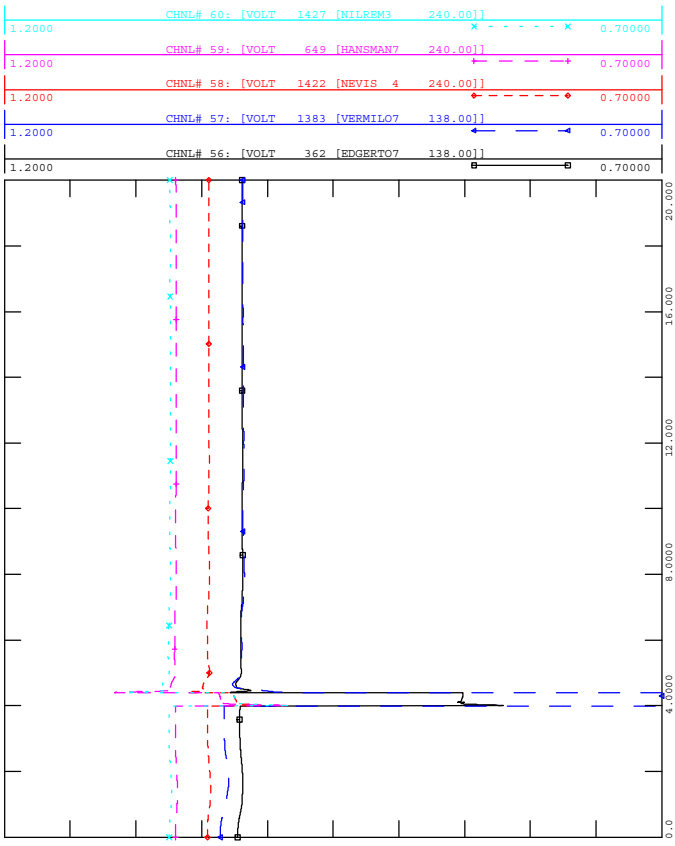
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

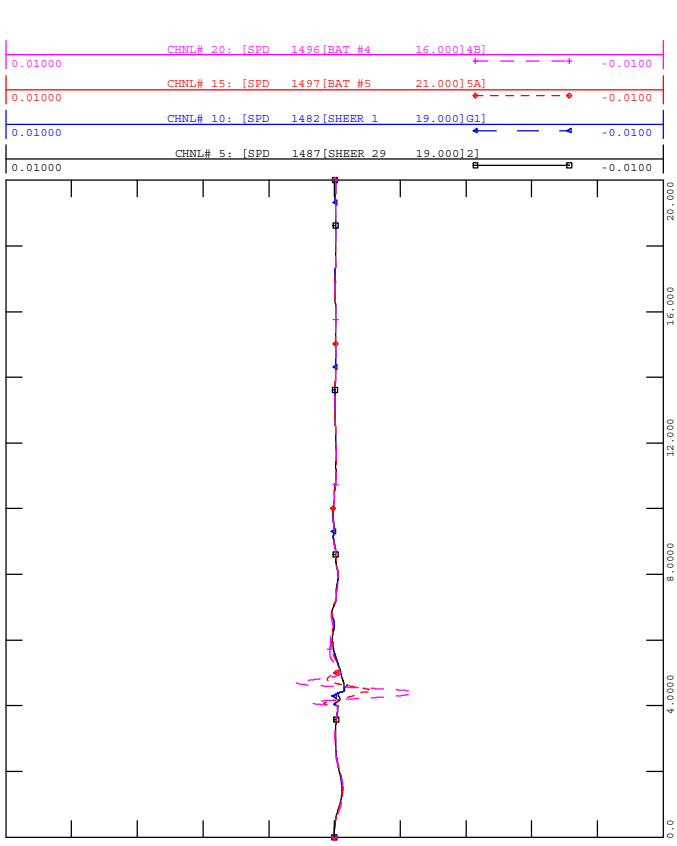


NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

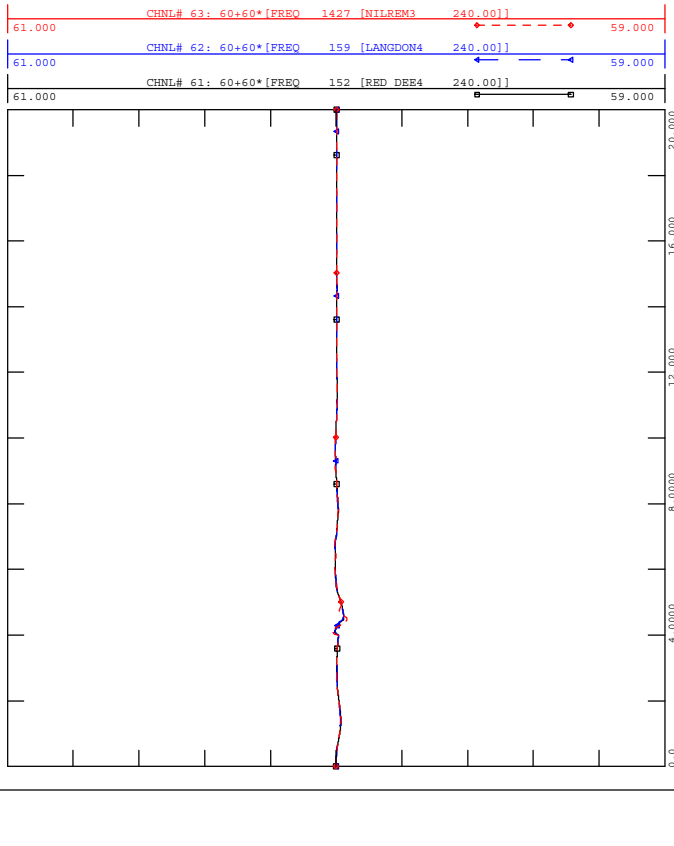


NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out

MON, NOV 21 2016 13:35

FREQUENCY

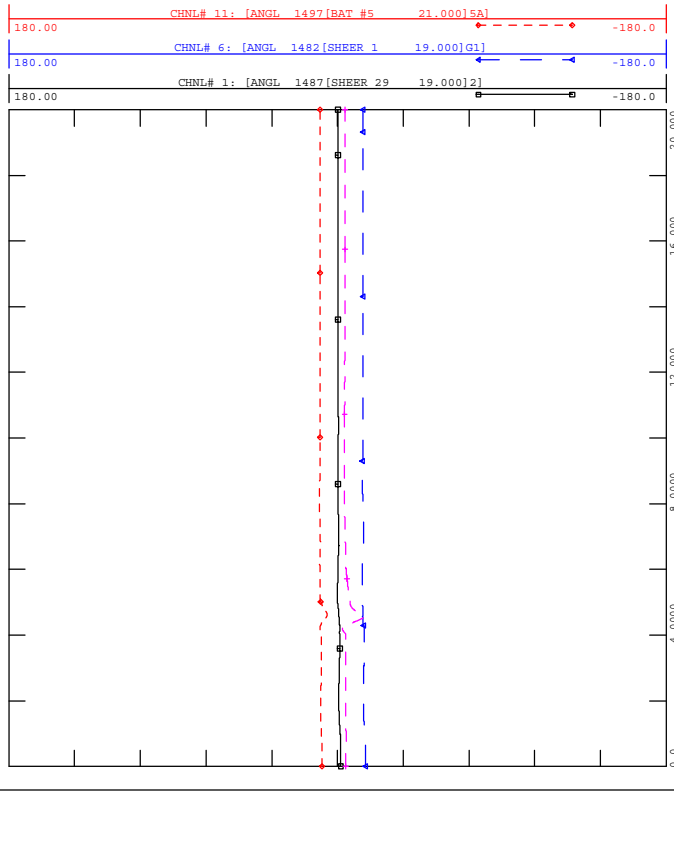


NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out

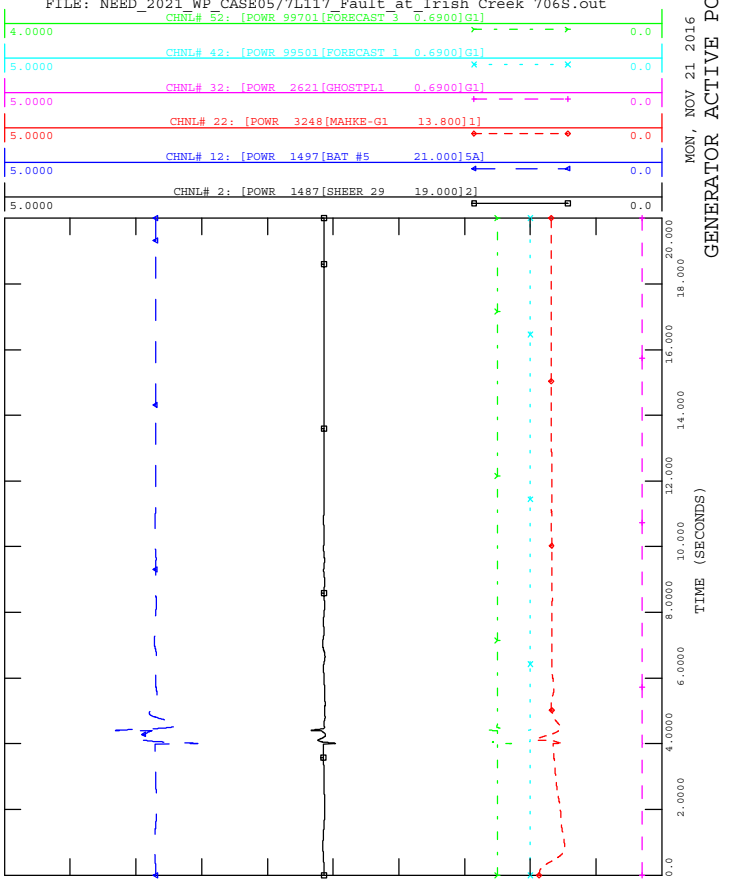
MON, NOV 21 2016 13:35

MACHINE ANGEL



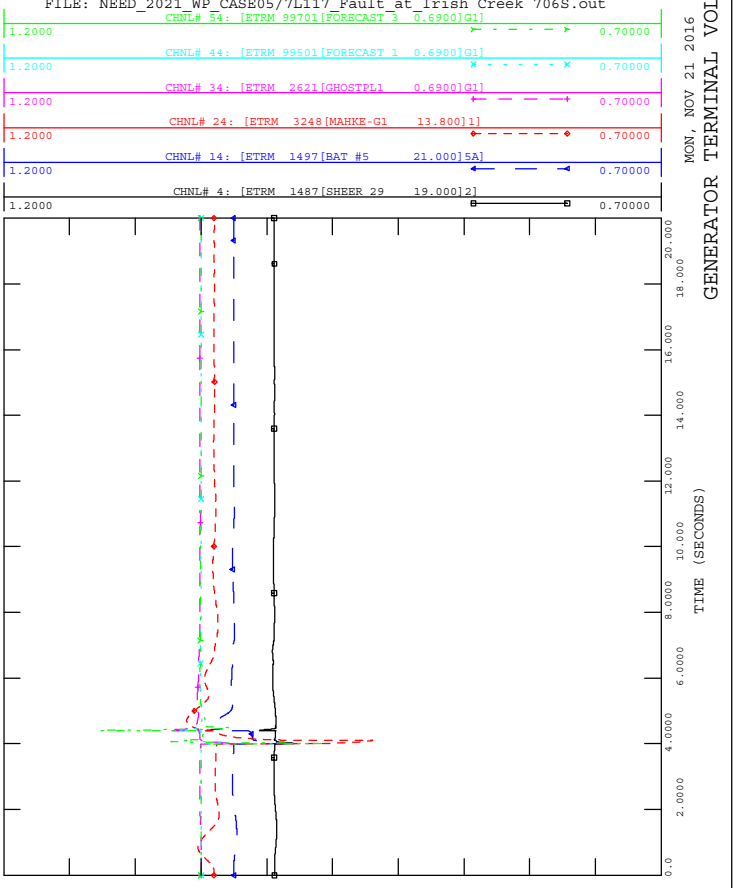
NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out



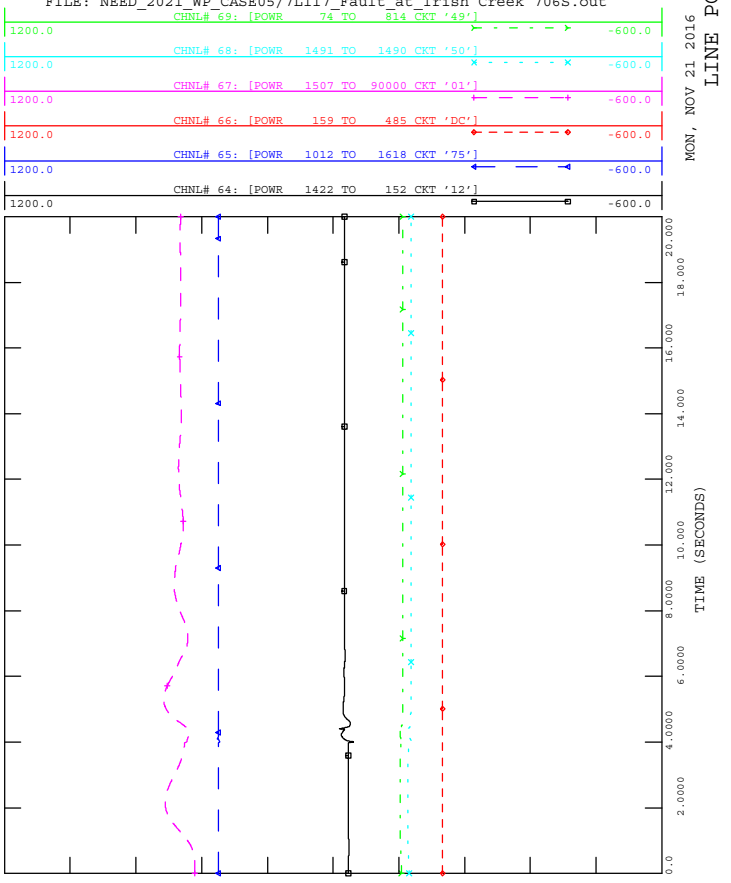
NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out



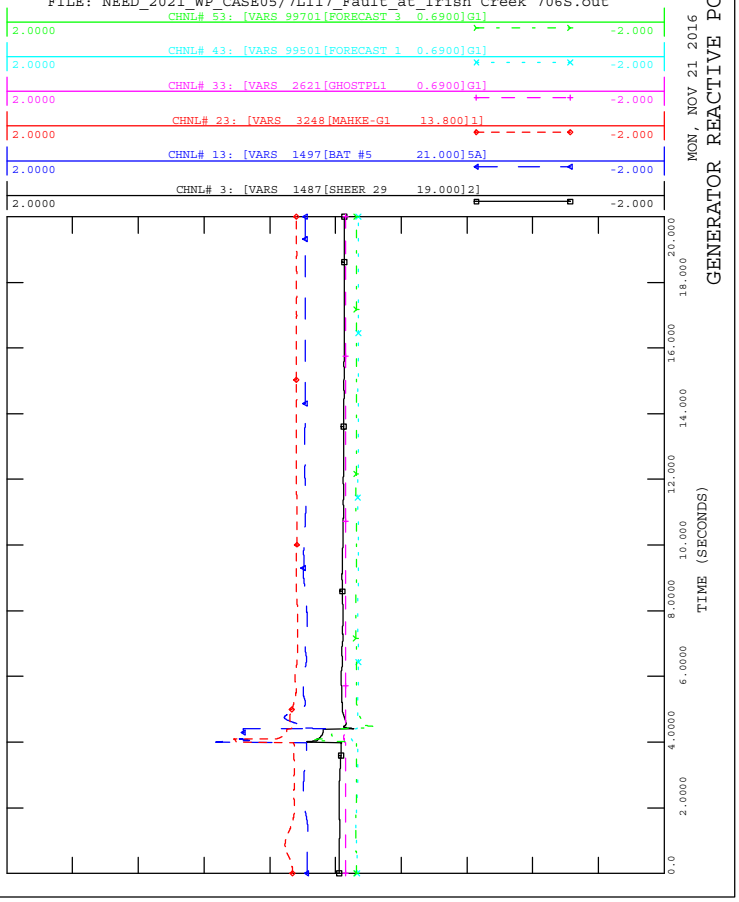
NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out



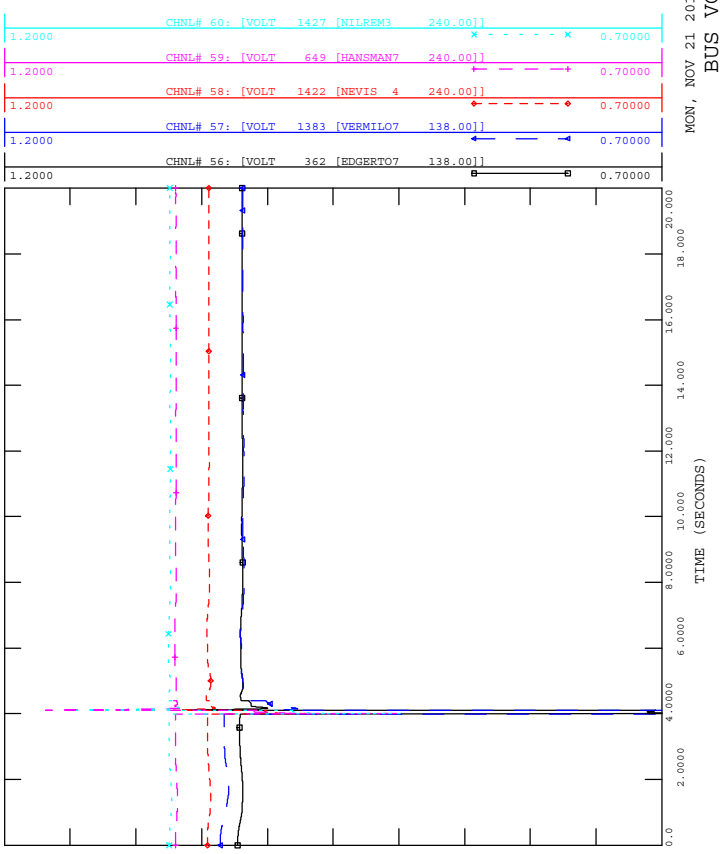
NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out



NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out



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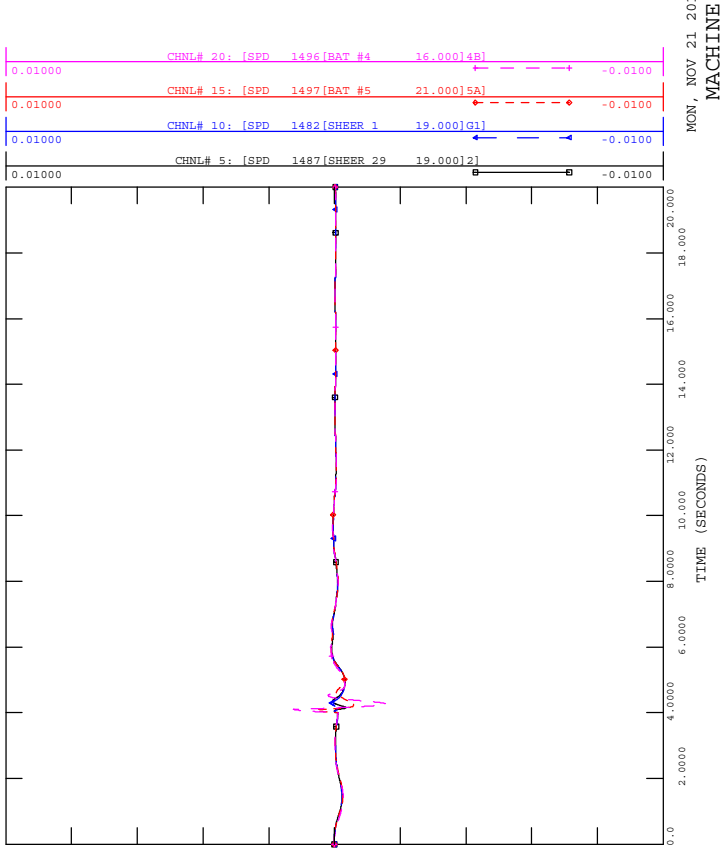
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out

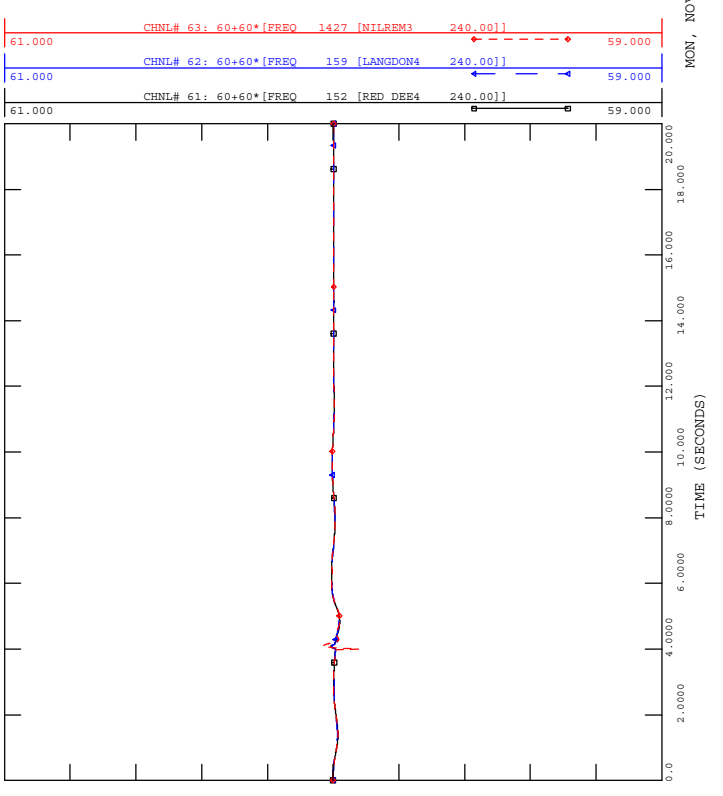


MON, NOV 21 2016 13:35

MACHINE SPEED

NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out

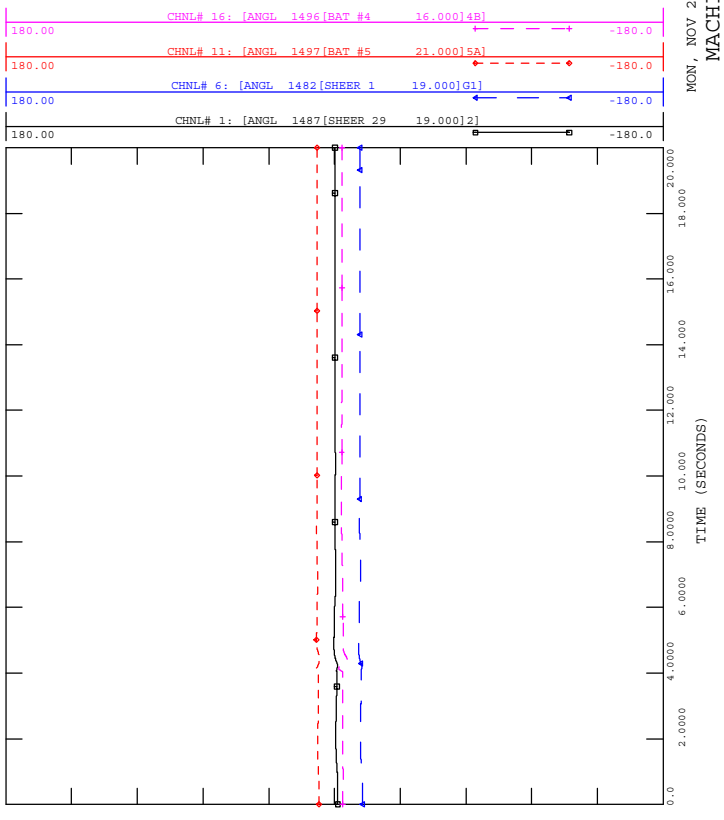


MON, NOV 21 2016 13:35

FREQUENCY

NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out

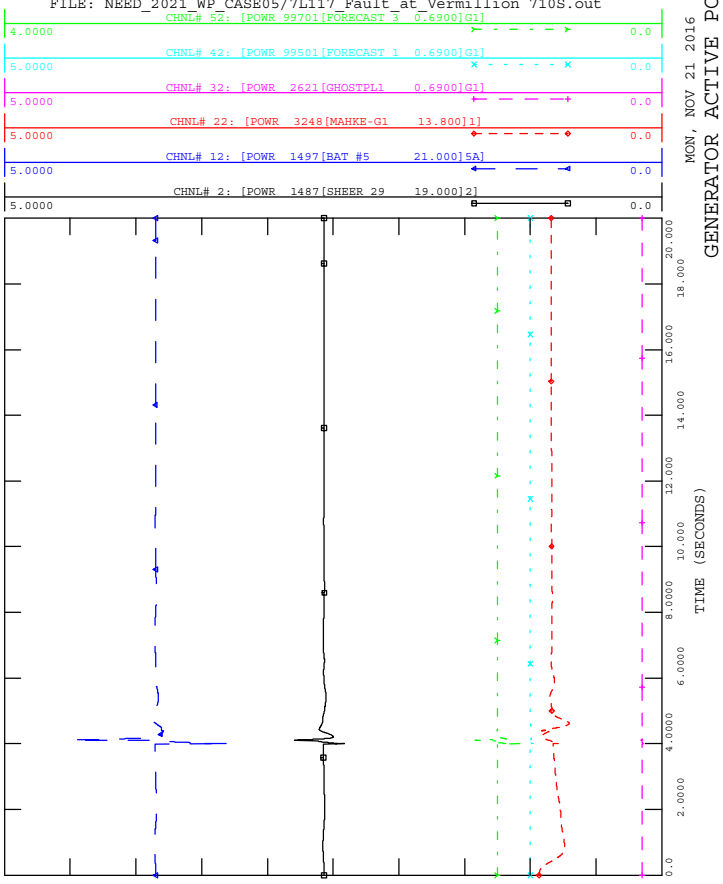


MON, NOV 21 2016 13:35

MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out

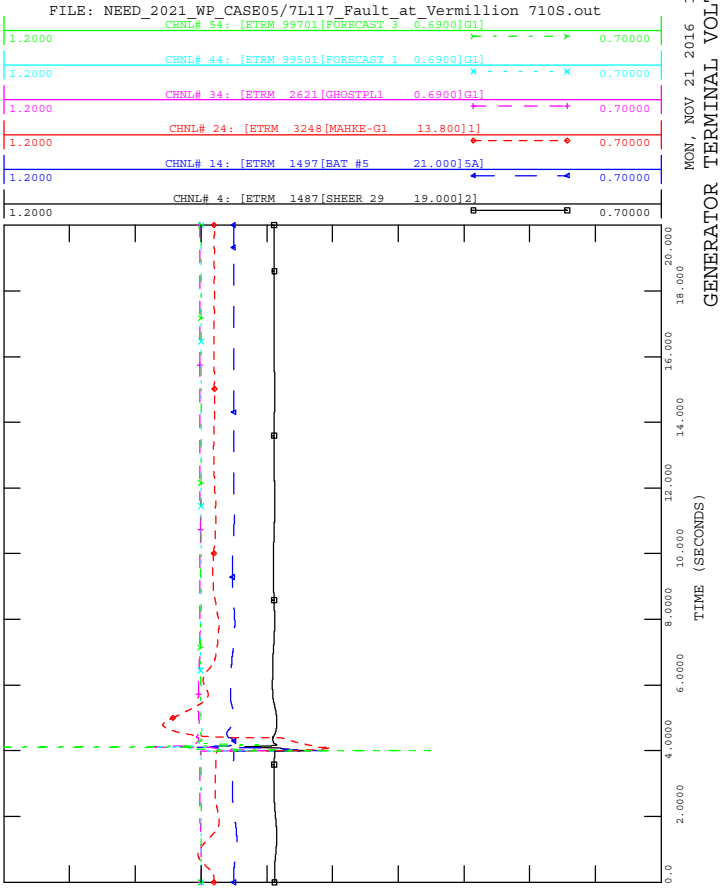


MON, NOV 21 2016 13:35

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out

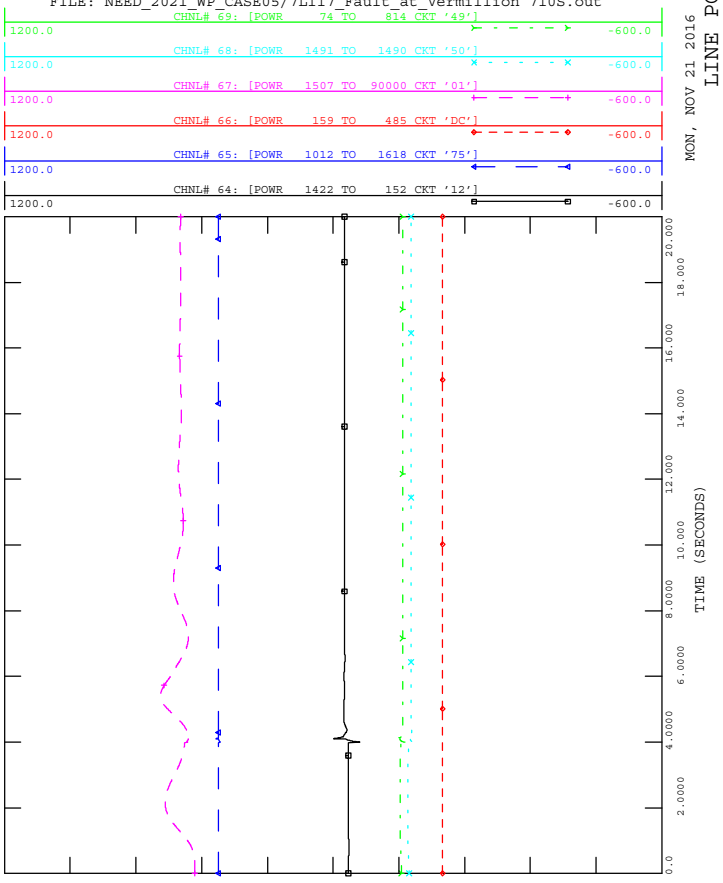


MON, NOV 21 2016 13:35

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out

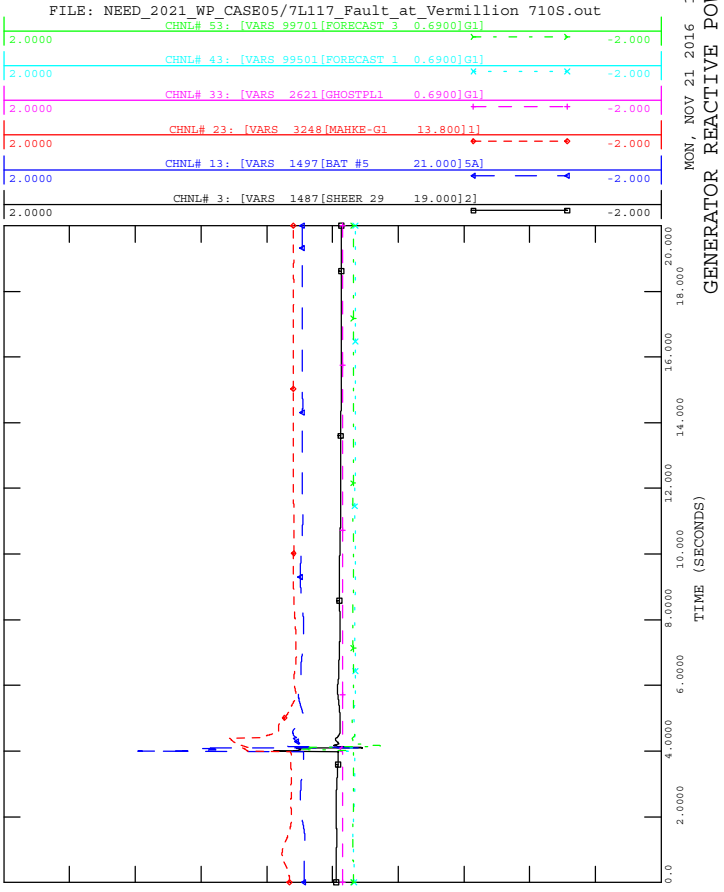


MON, NOV 21 2016 13:35

LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 13:35

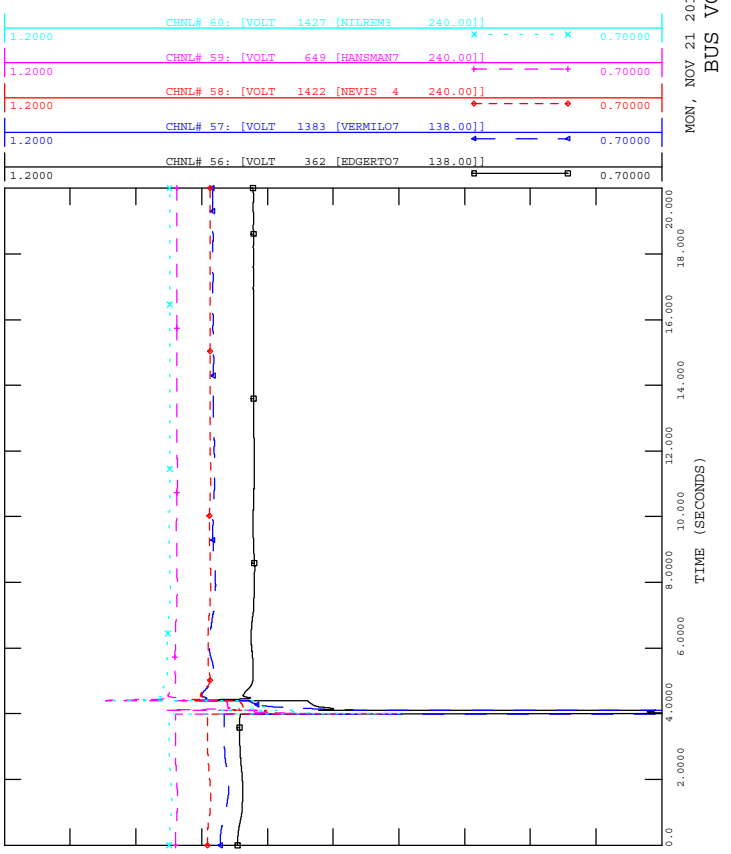
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

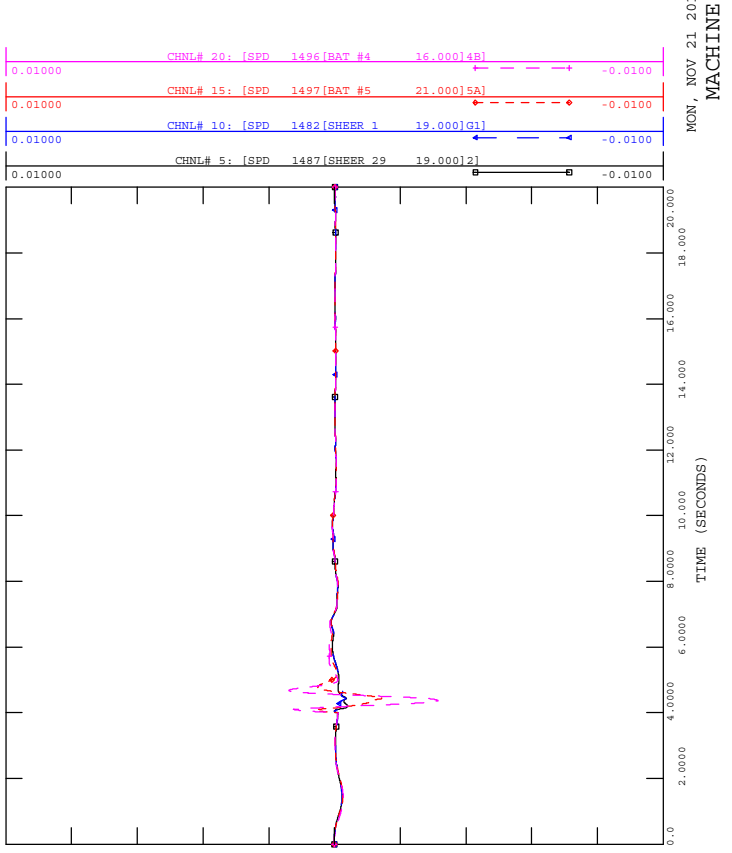


NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

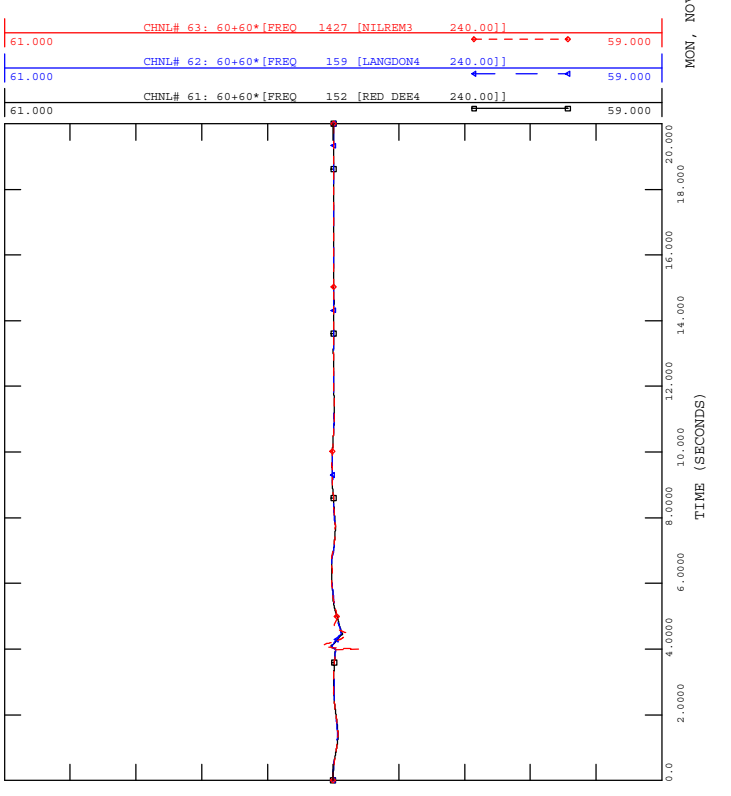


NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:35

FREQUENCY

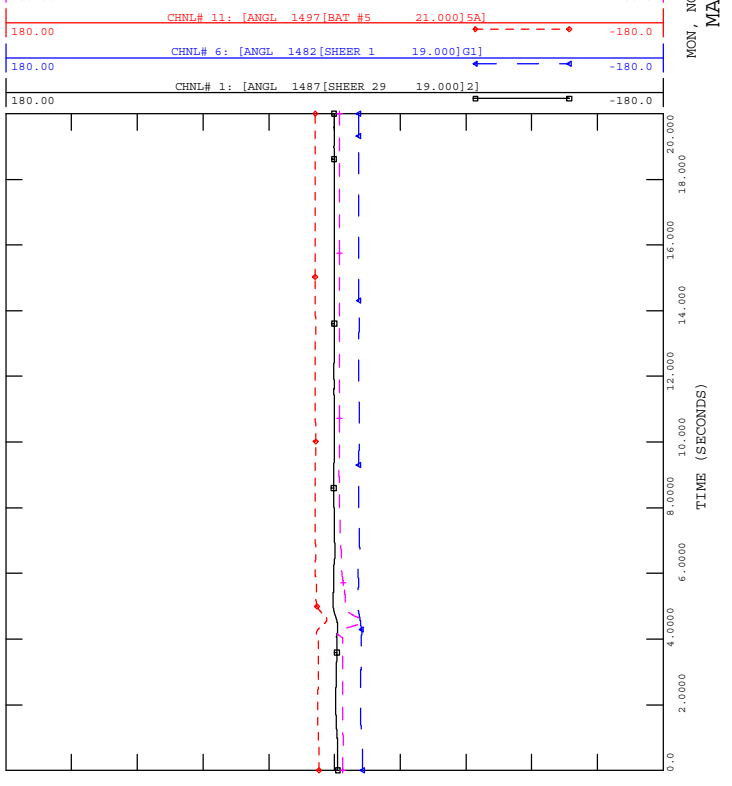


NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out

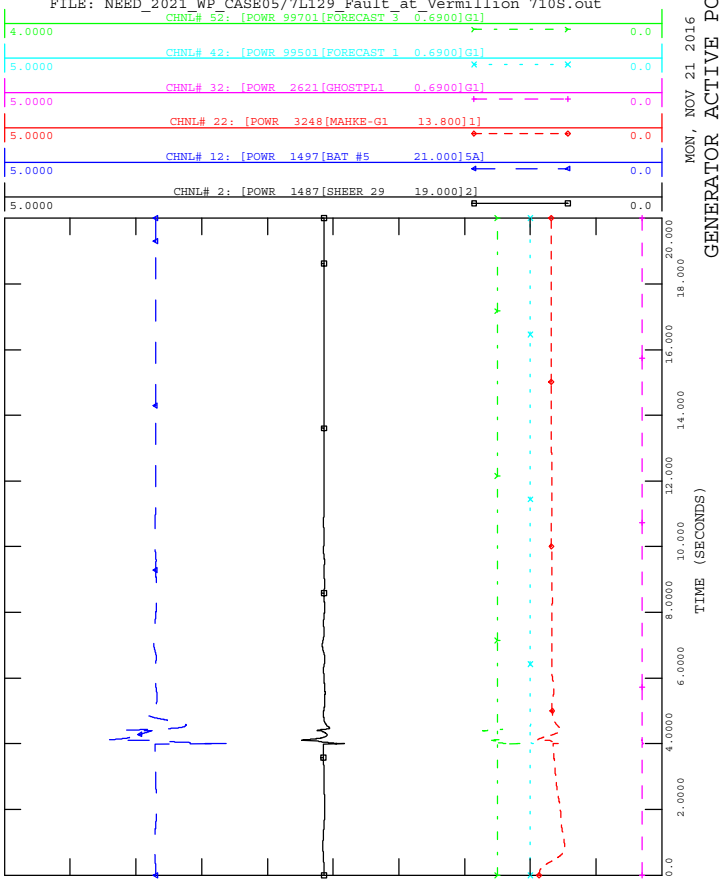
MON, NOV 21 2016 13:35

MACHINE ANGEL



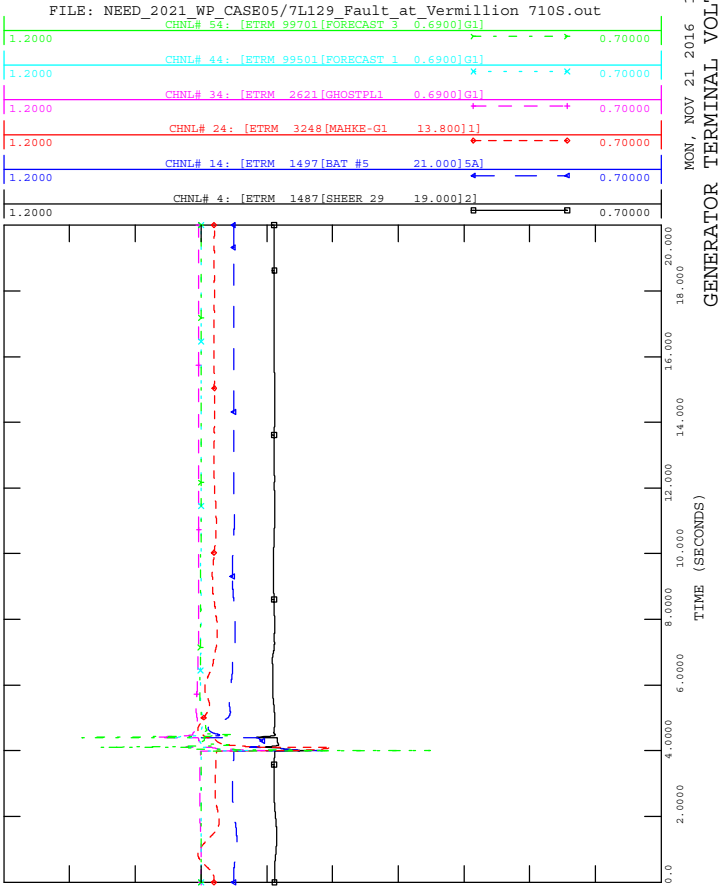
NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out



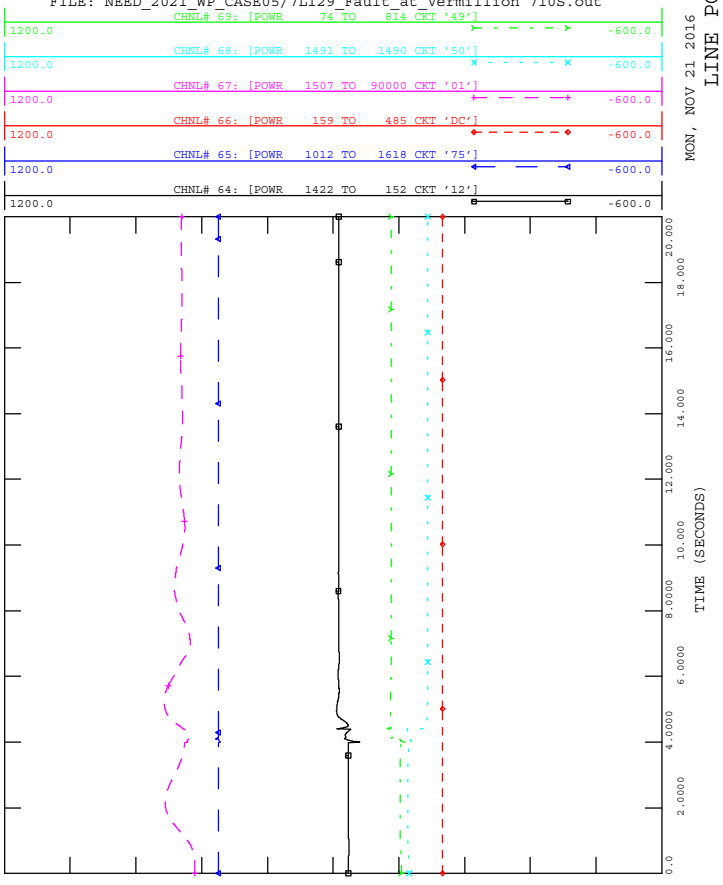
NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out



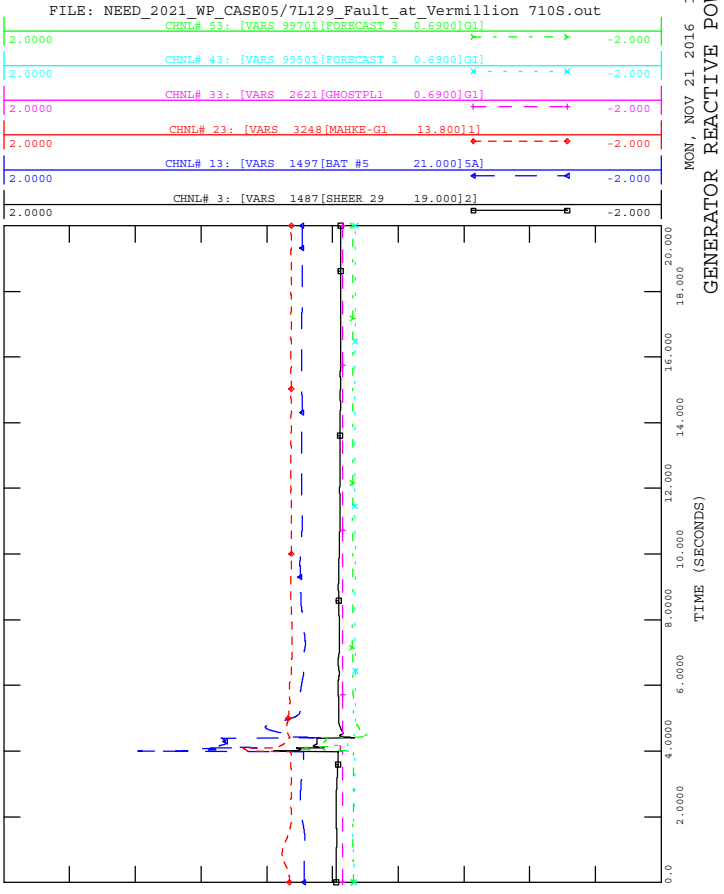
NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out



NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out

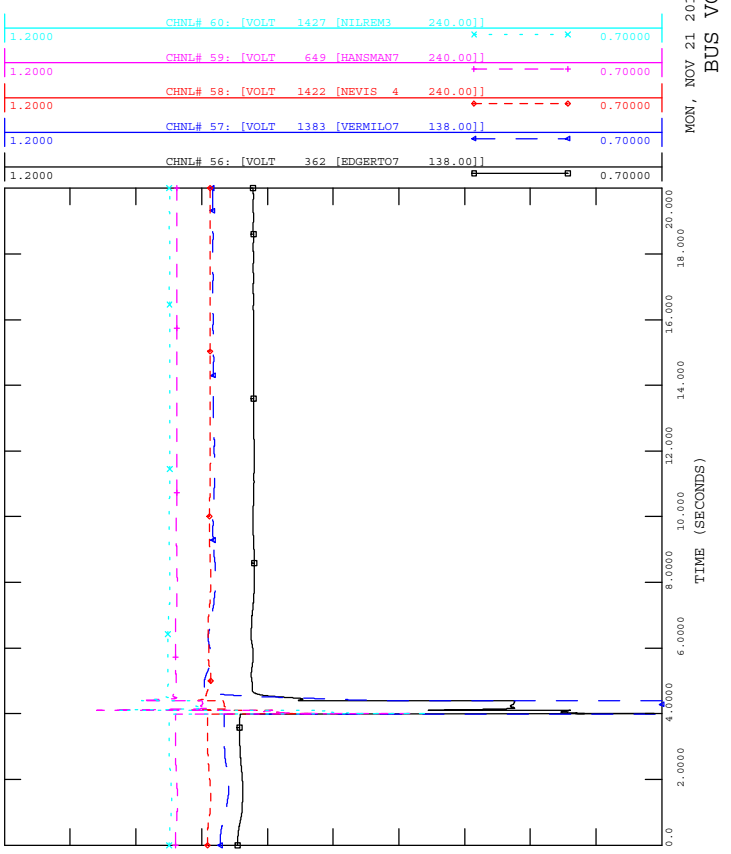


NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

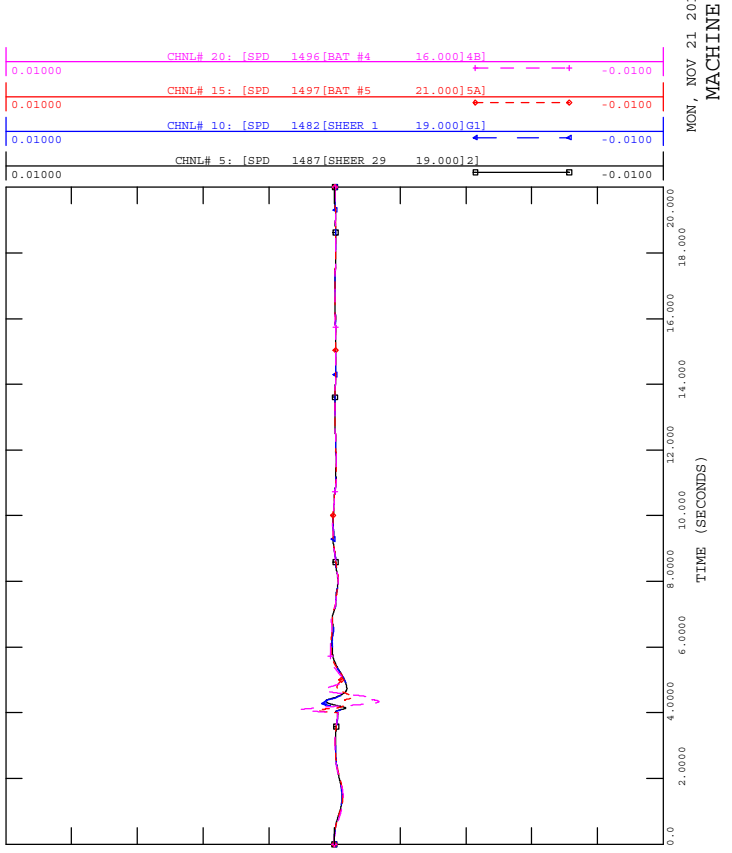


NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

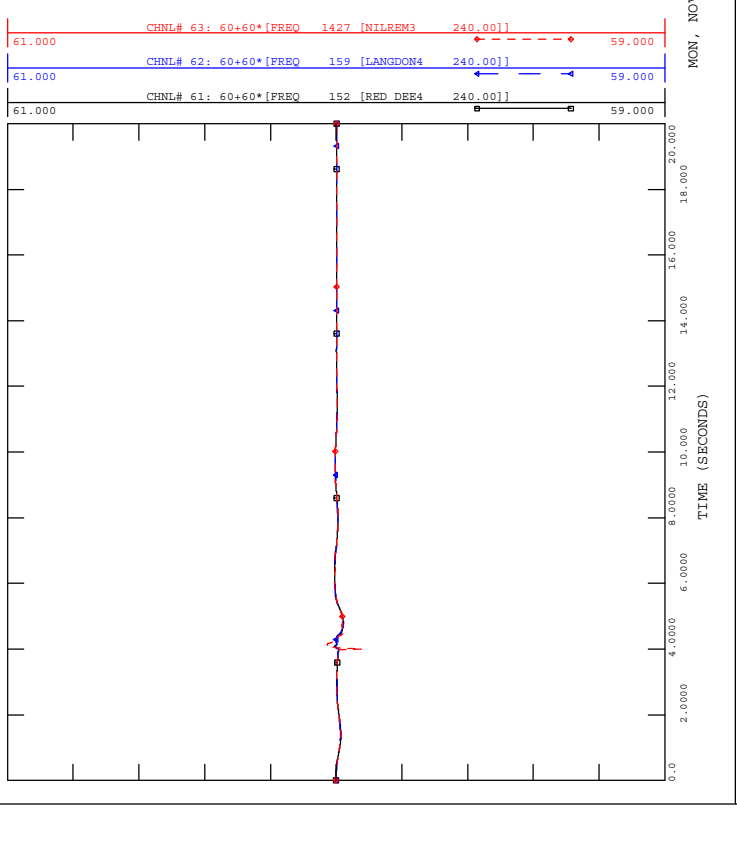


NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 13:35

FREQUENCY

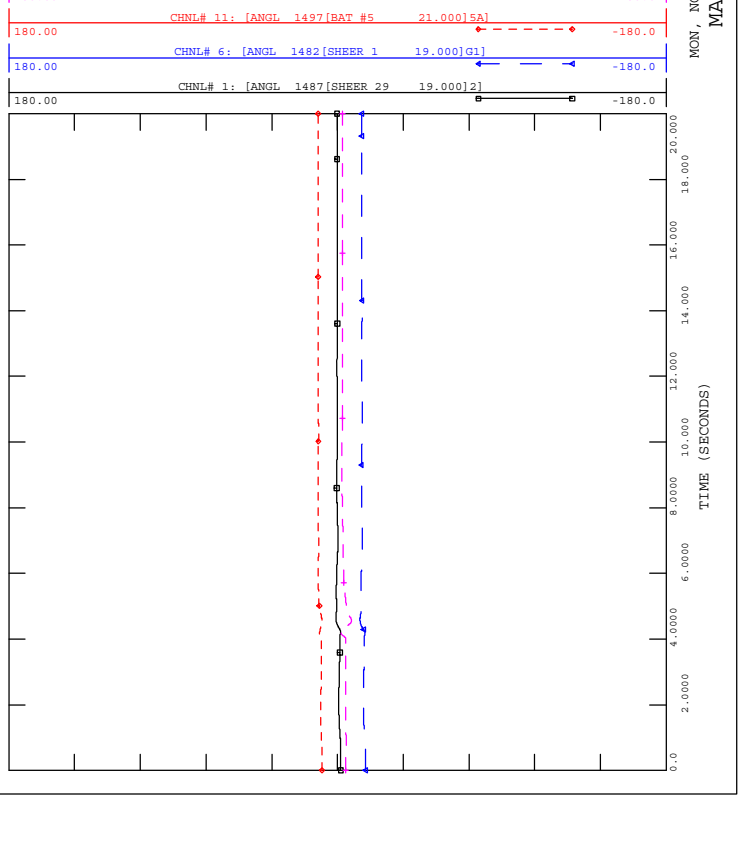


NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

GENERATOR ACTIVE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

GENERATOR TERMINAL VOLTAG

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

LINE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

GENERATOR REACTIVE POWER

MON, NOV 21 2016 13:35

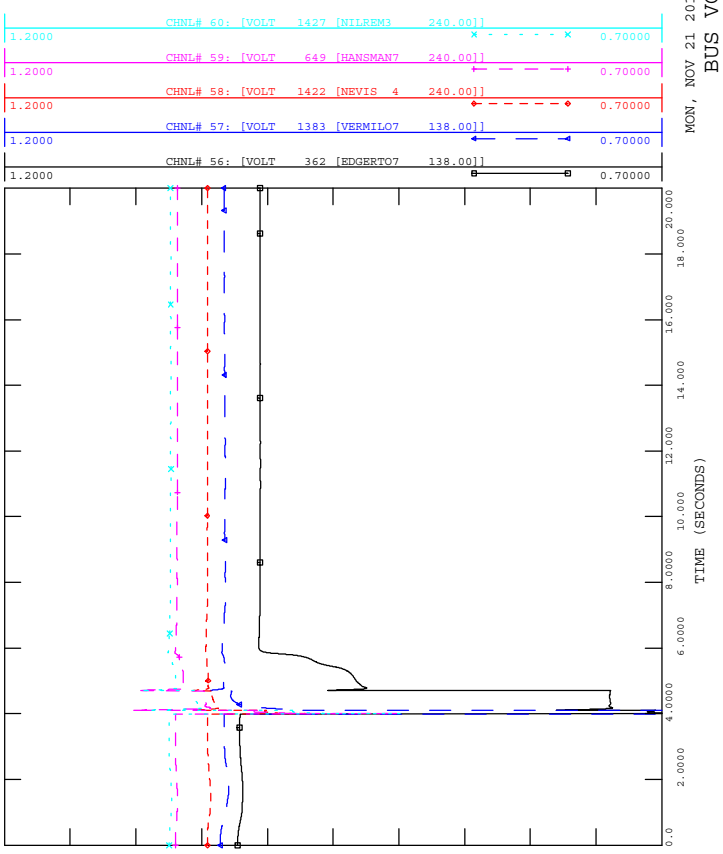
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

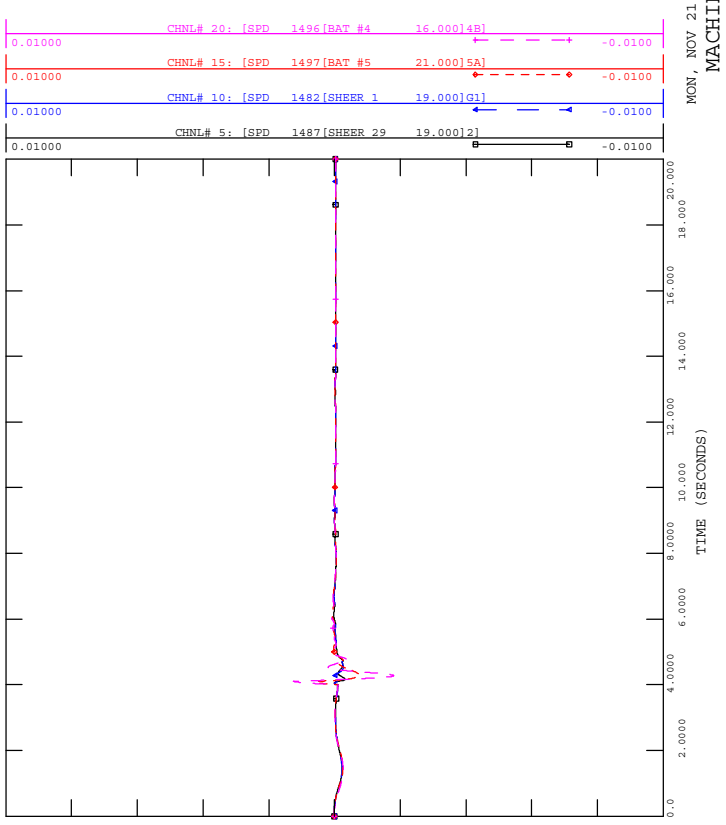


NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

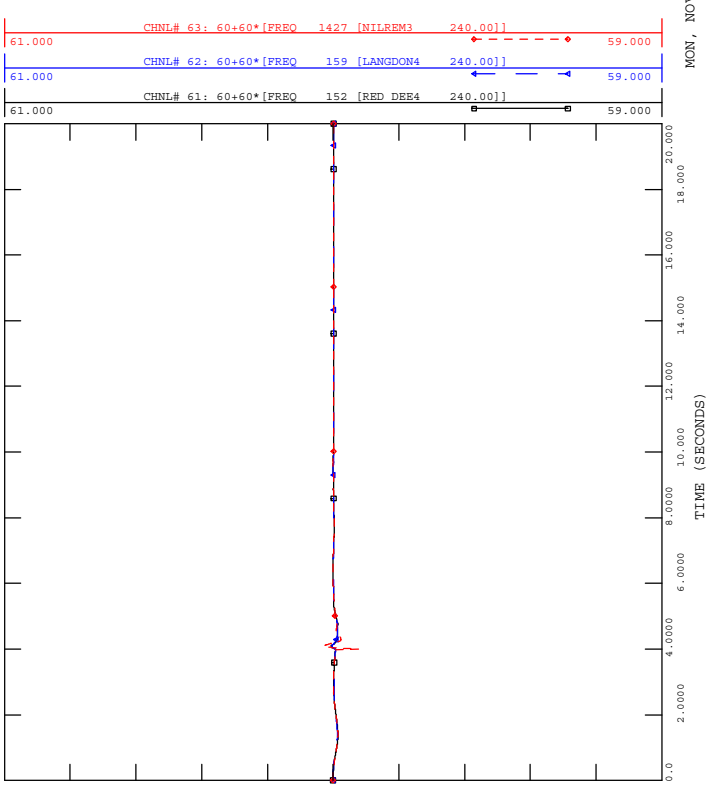


NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:35

FREQUENCY

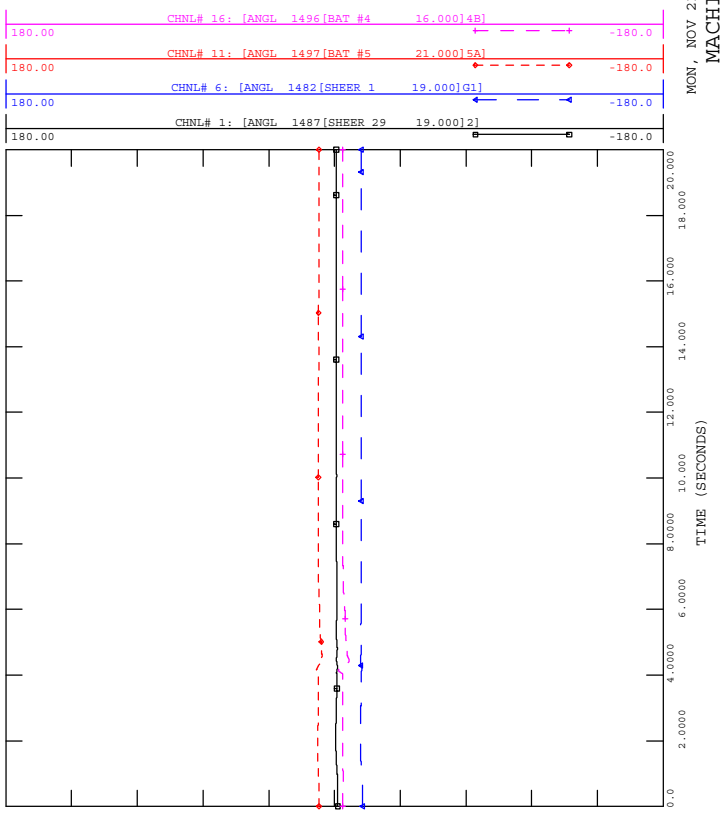


NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out

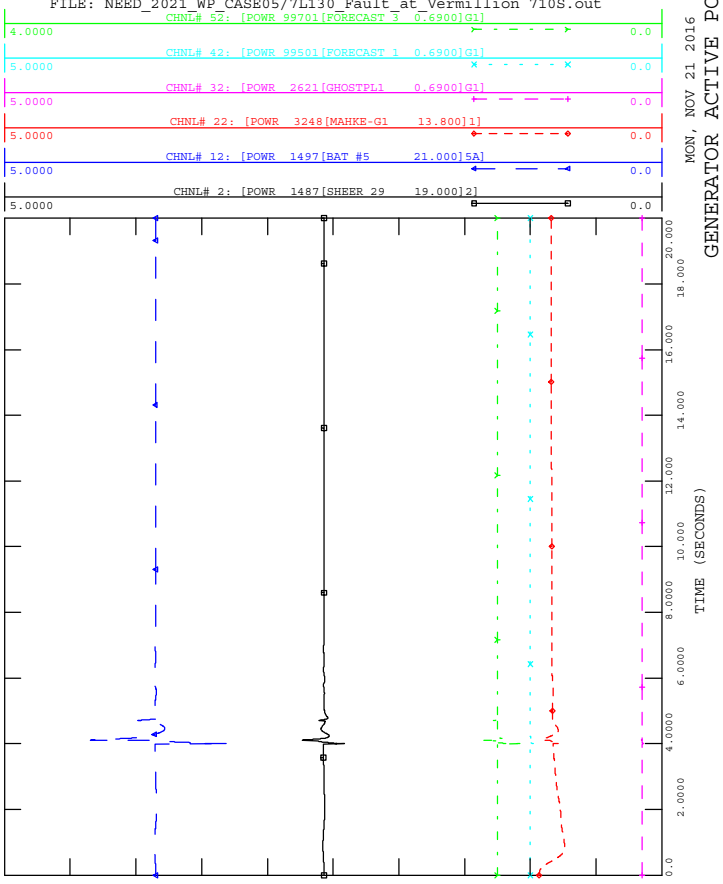
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

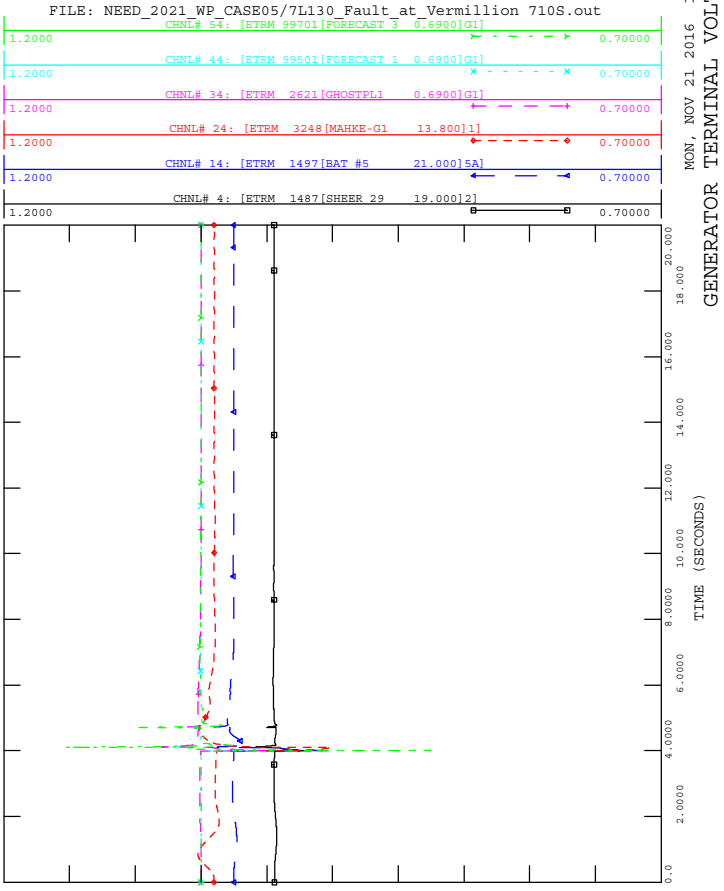
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

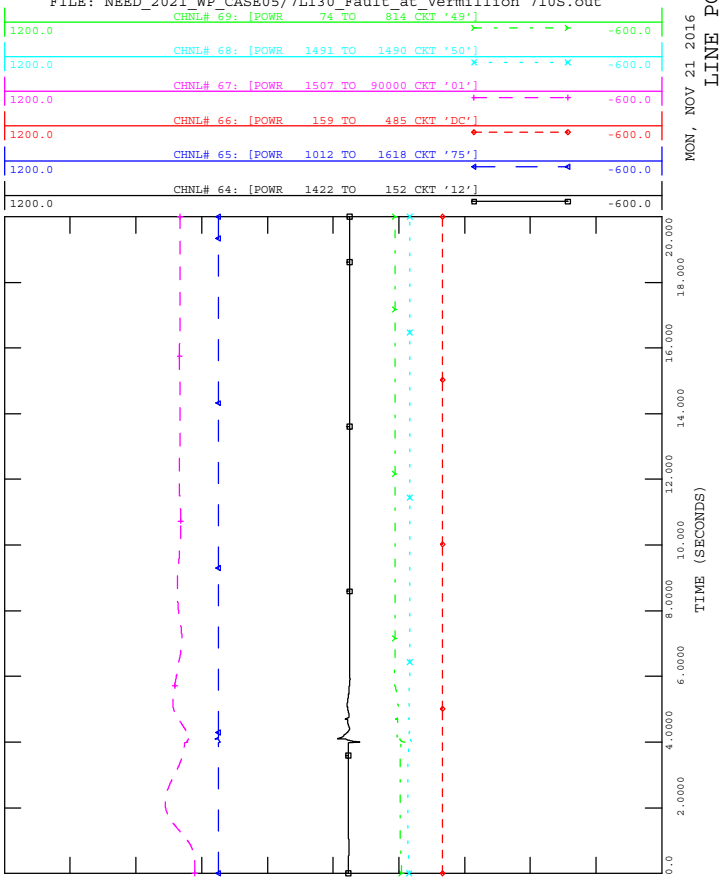
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

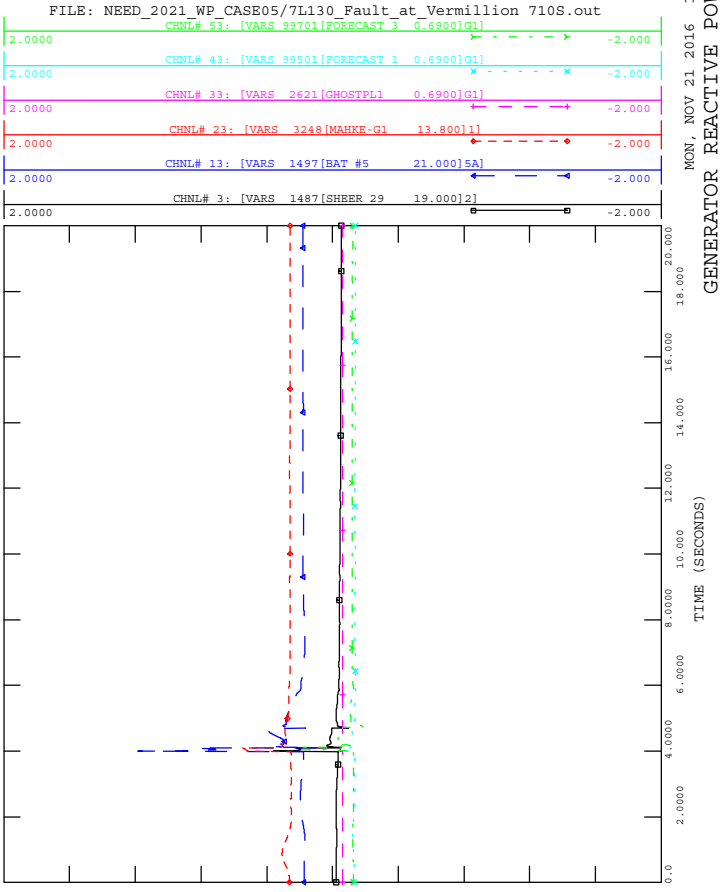
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

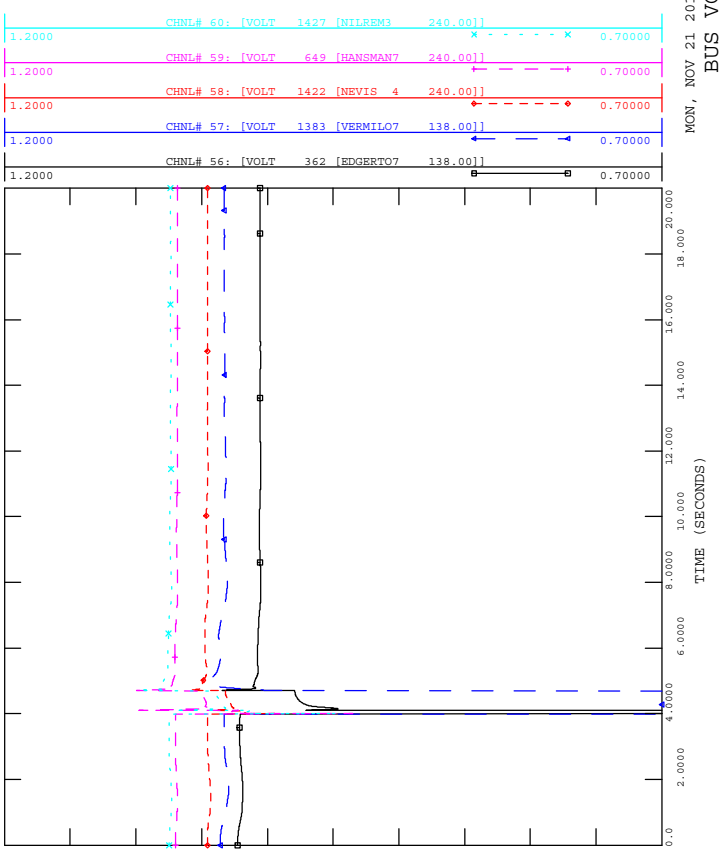
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out

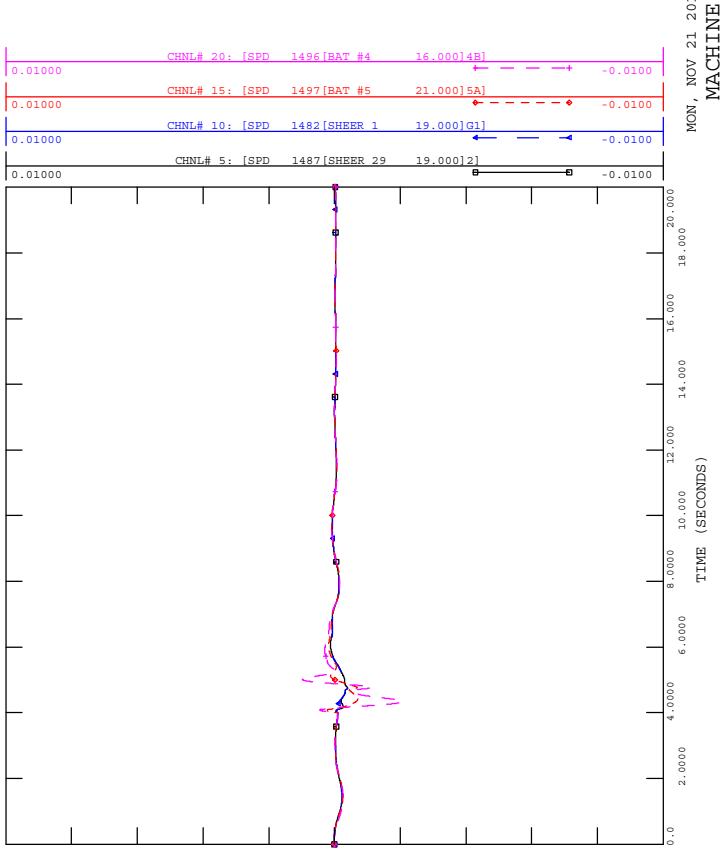


MON, NOV 21 2016 13:35

BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out

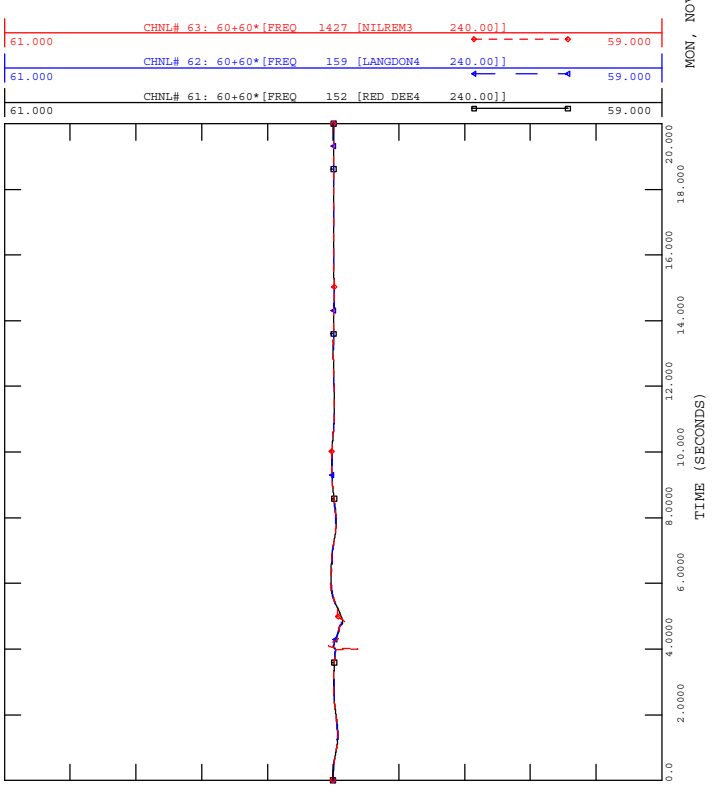


MON, NOV 21 2016 13:35

MACHINE SPEED

NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out

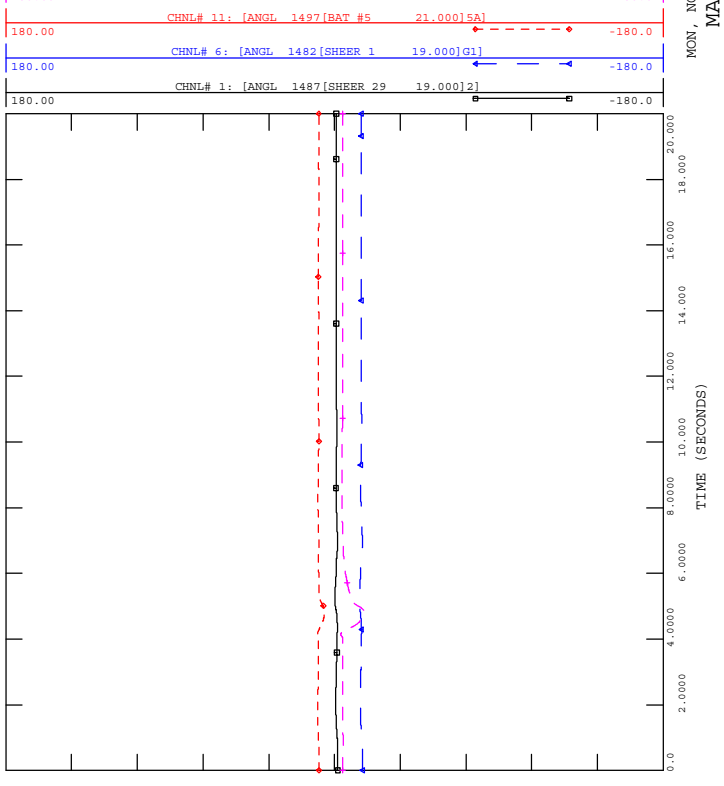


MON, NOV 21 2016 13:35

FREQUENCY

NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out

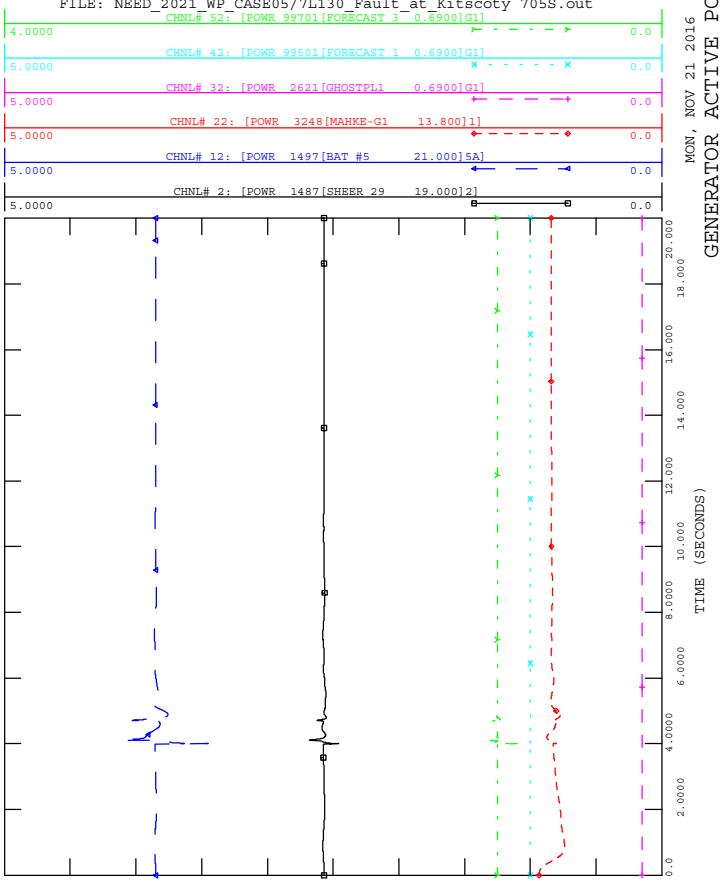


MON, NOV 21 2016 13:35

MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

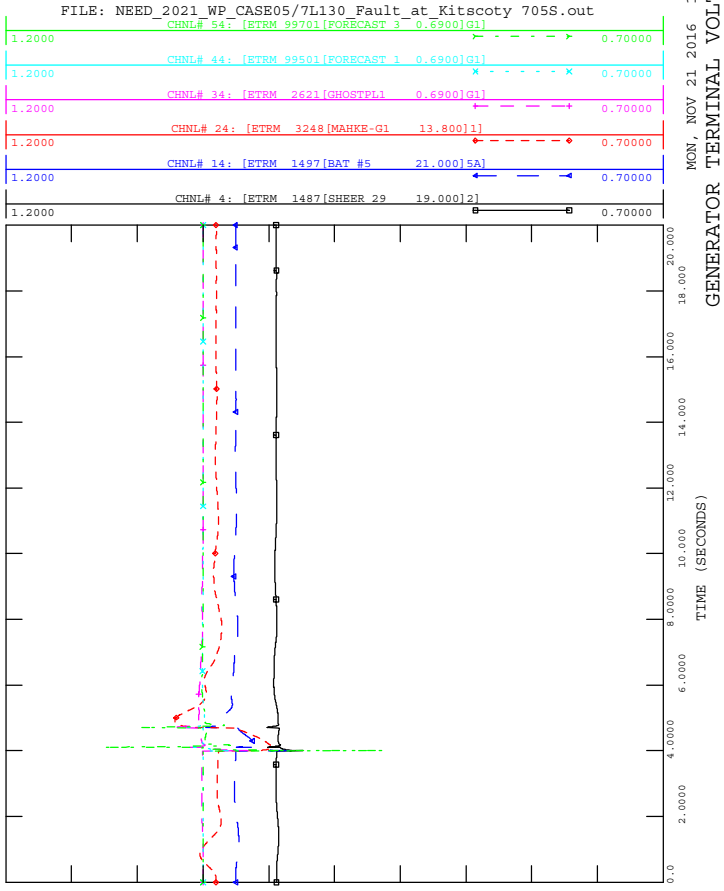
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

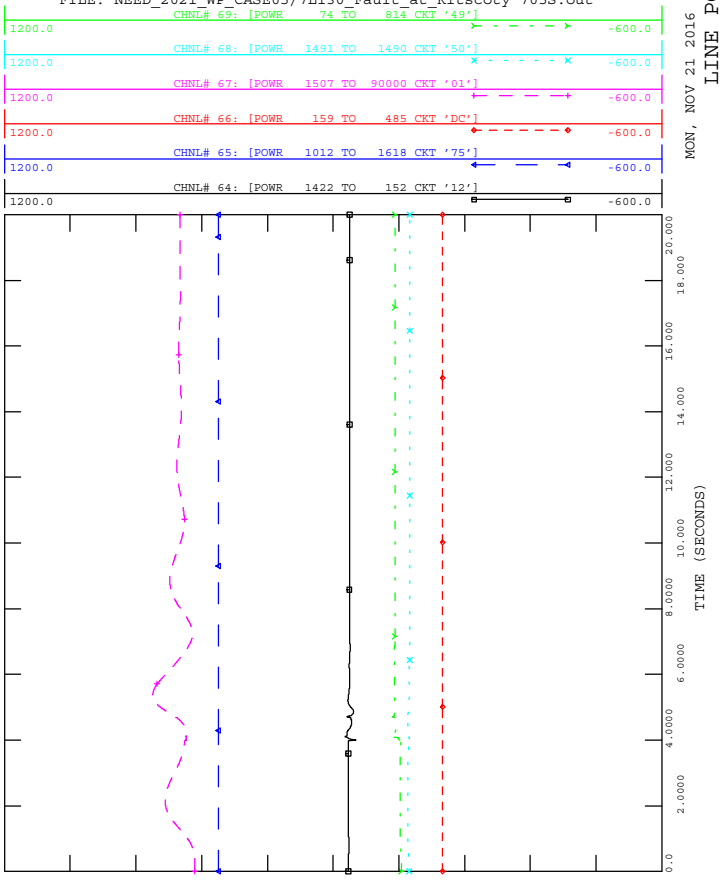
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

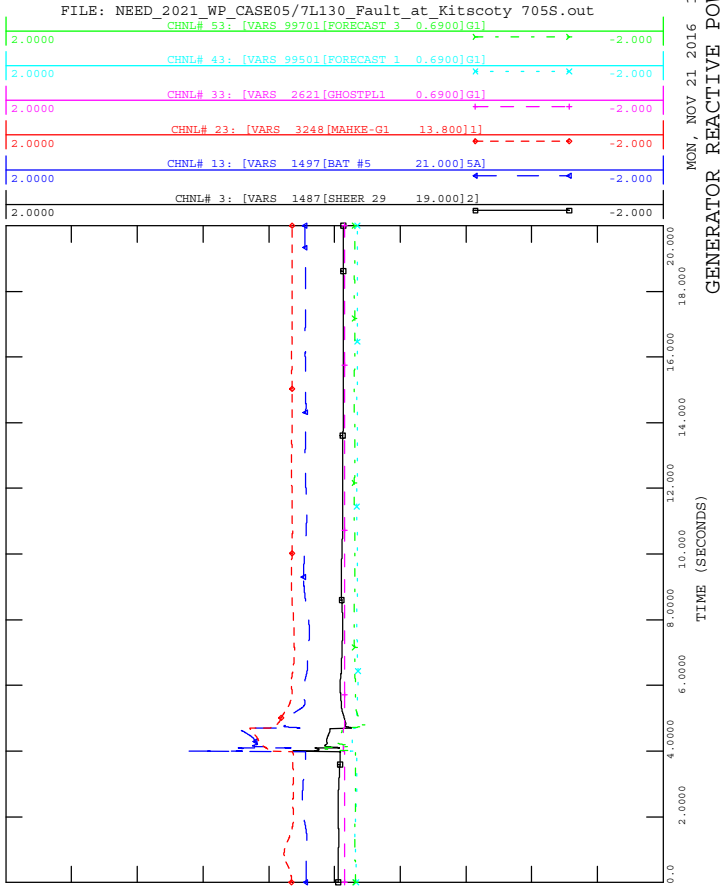
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out



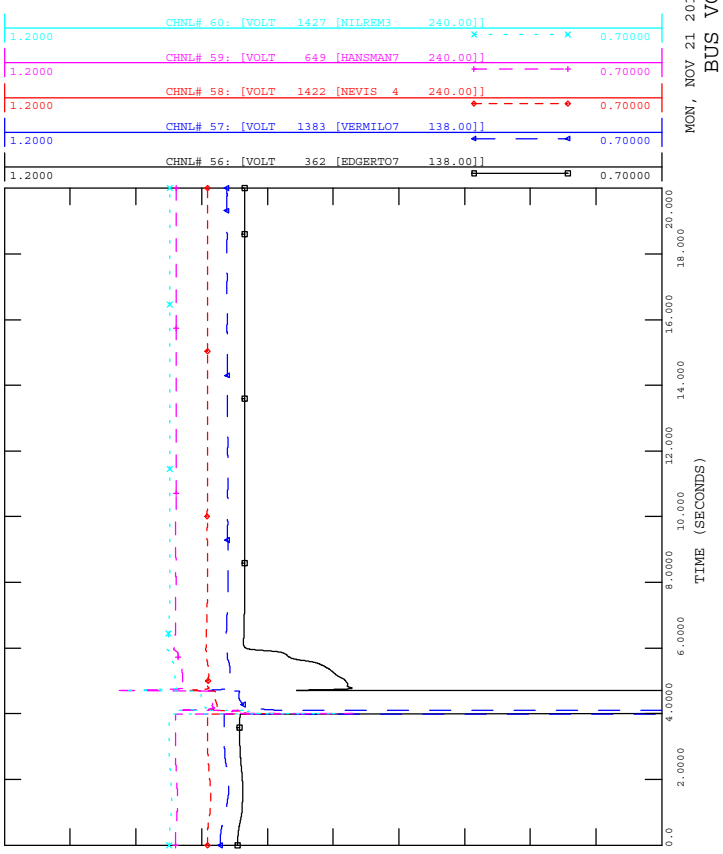
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

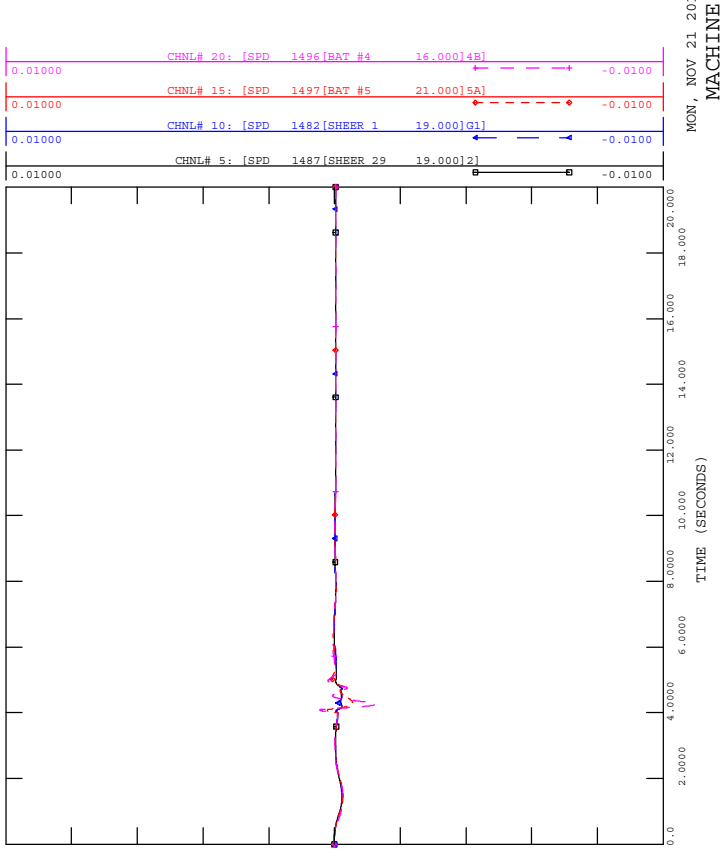


NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

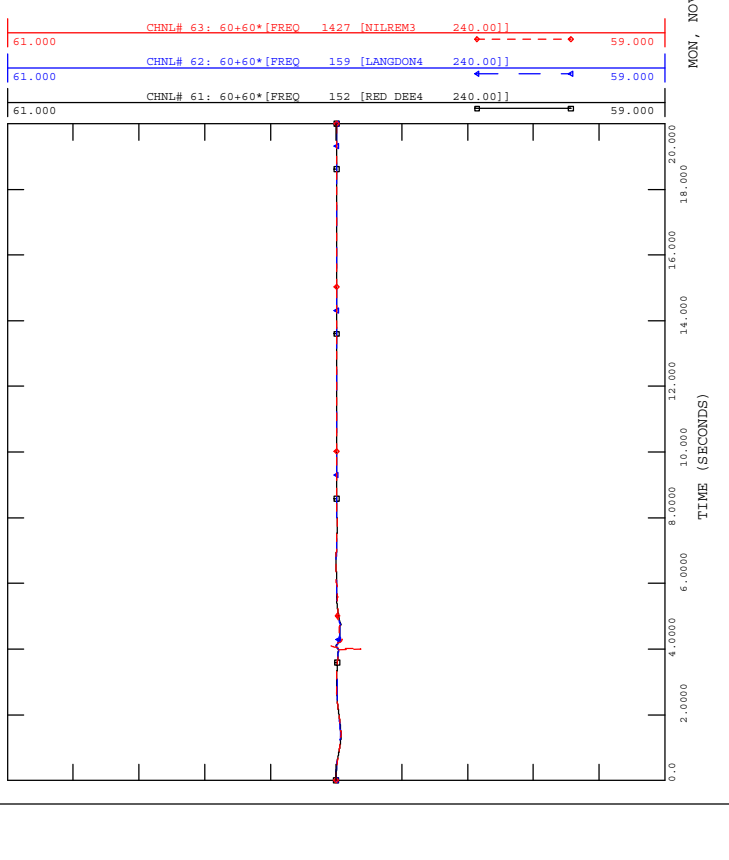


NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out

MON, NOV 21 2016 13:35

FREQUENCY



NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out

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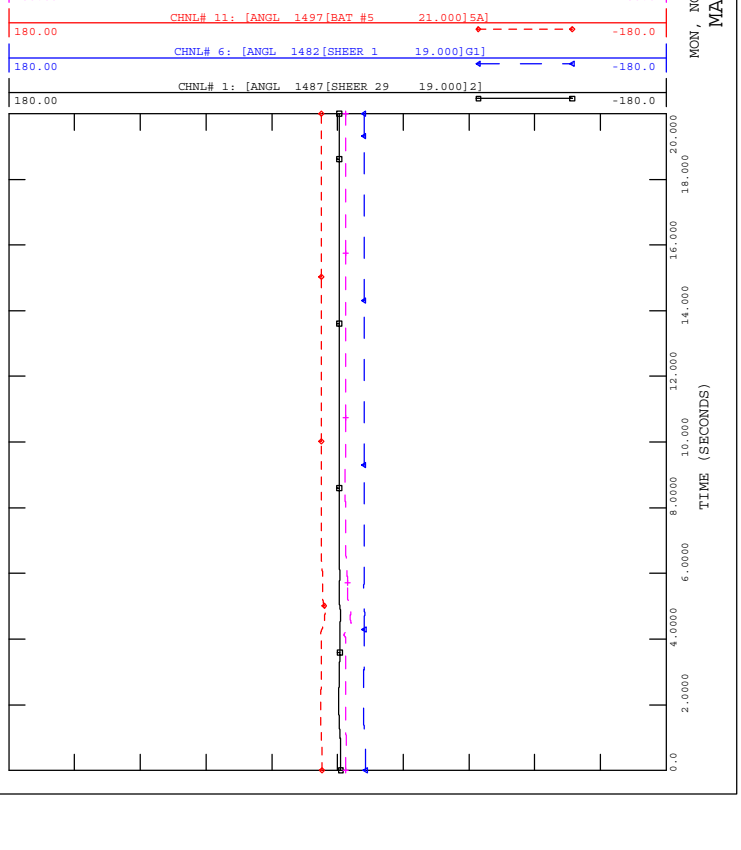
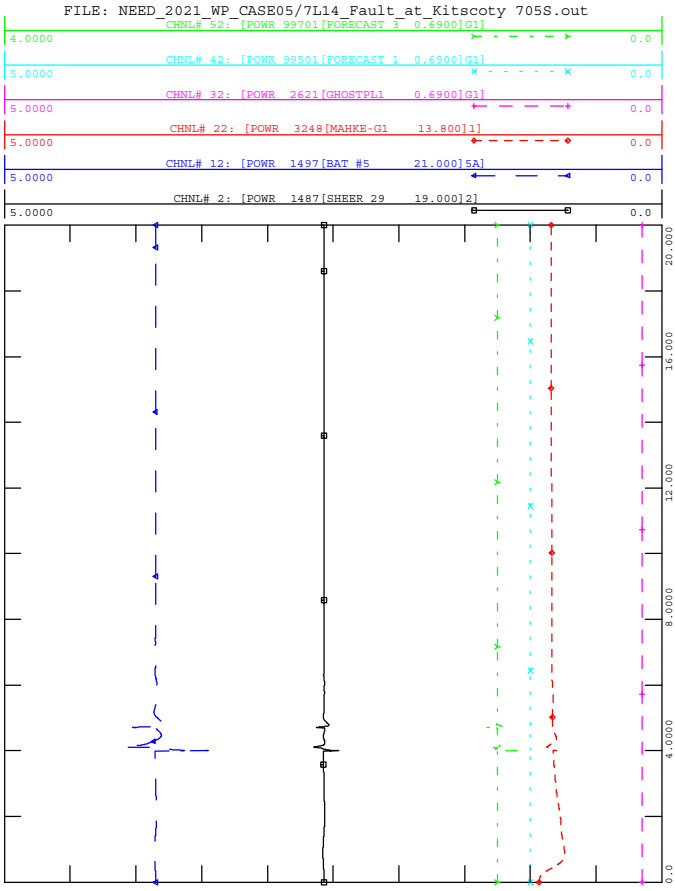
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

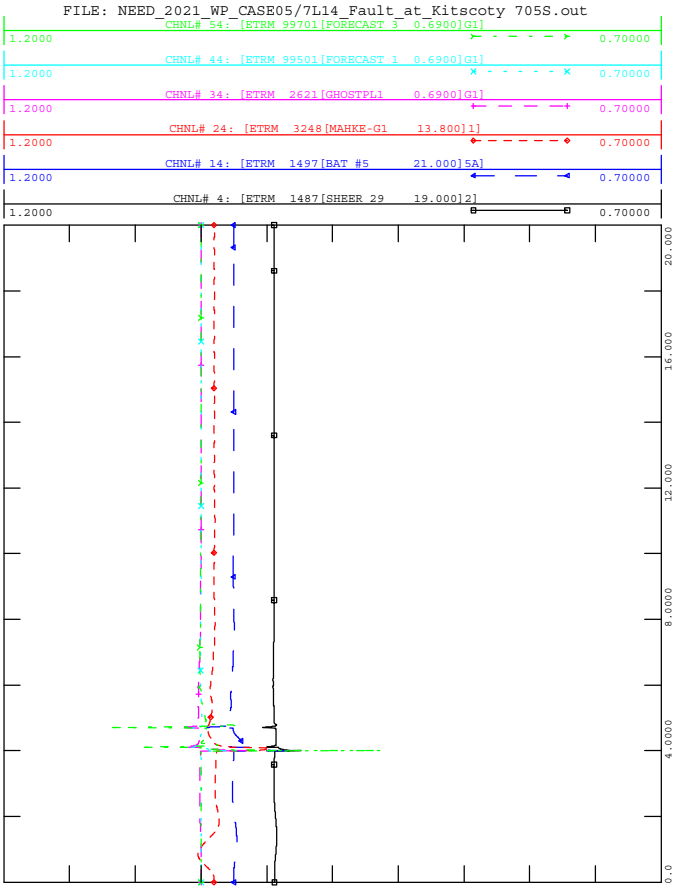
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

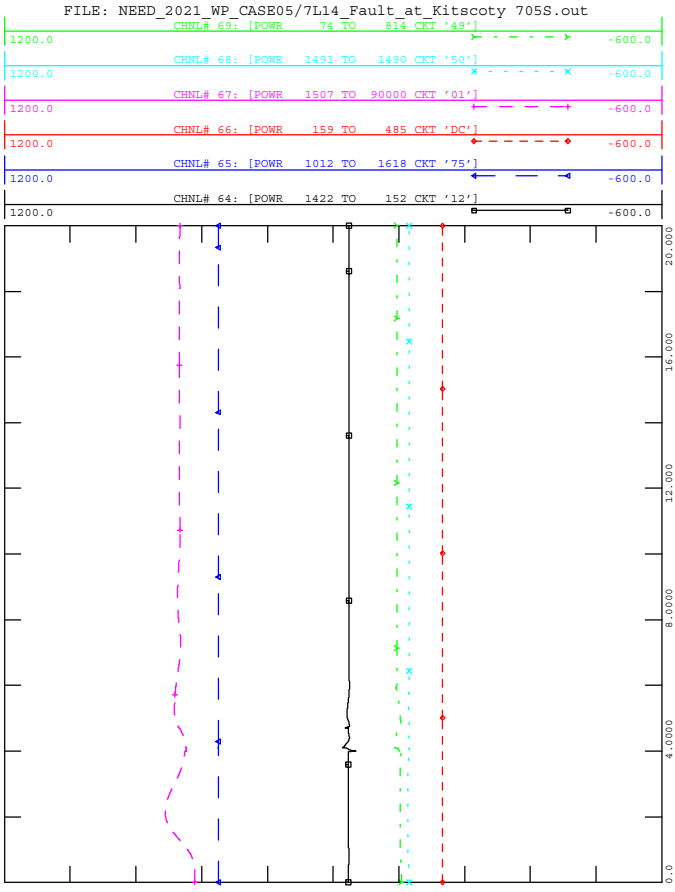
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

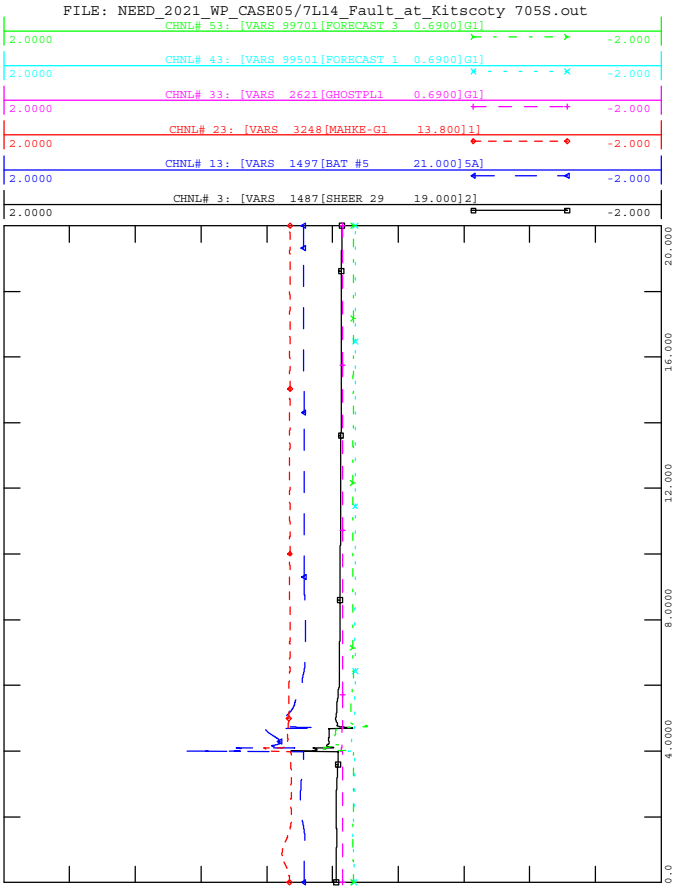
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out



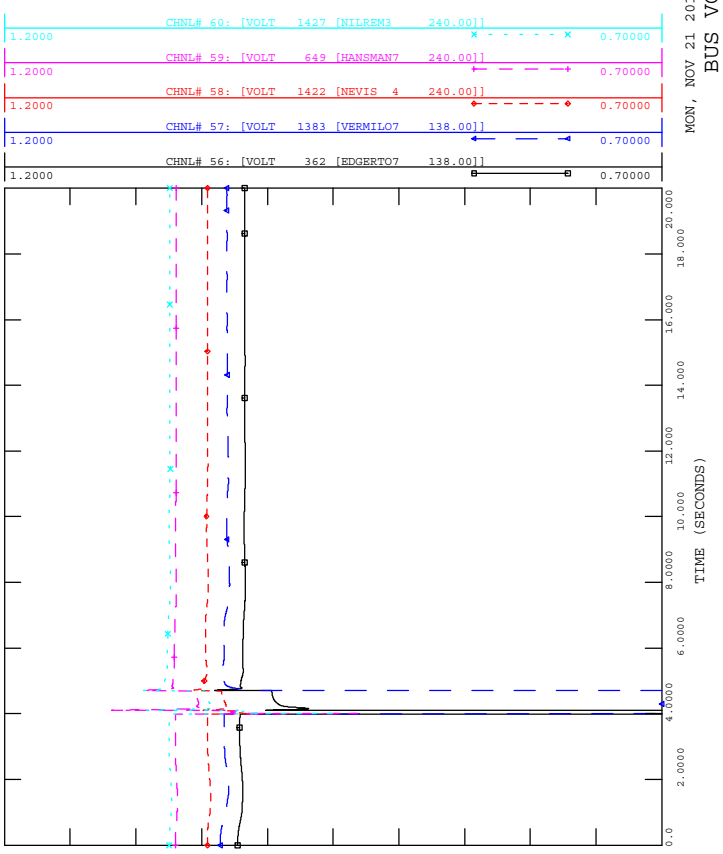
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

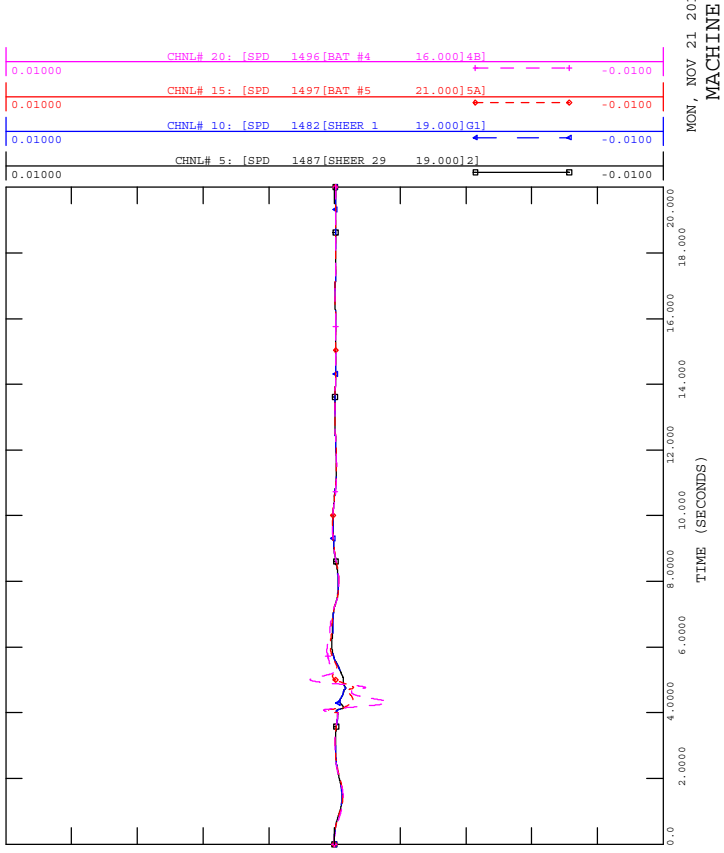


NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

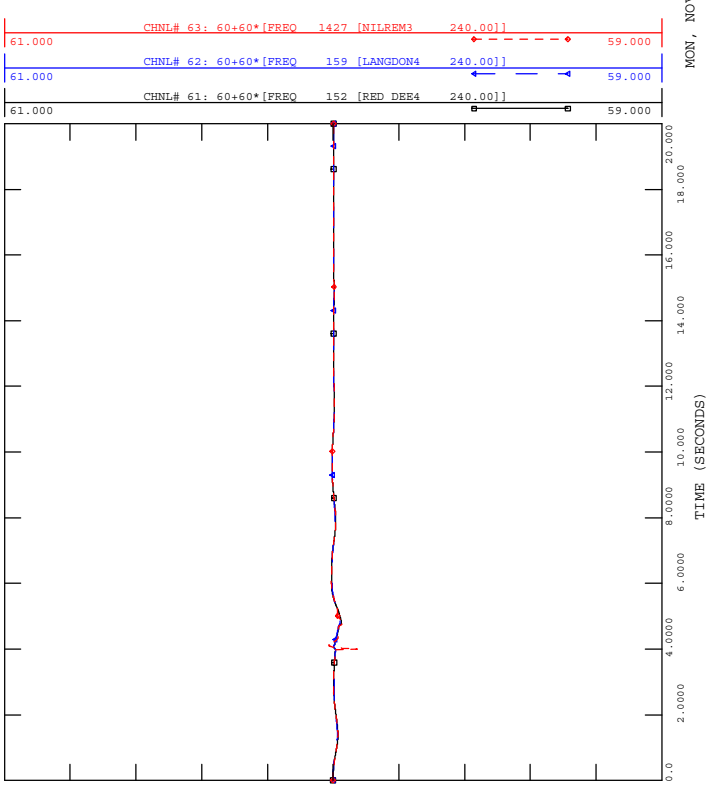


NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:35

FREQUENCY

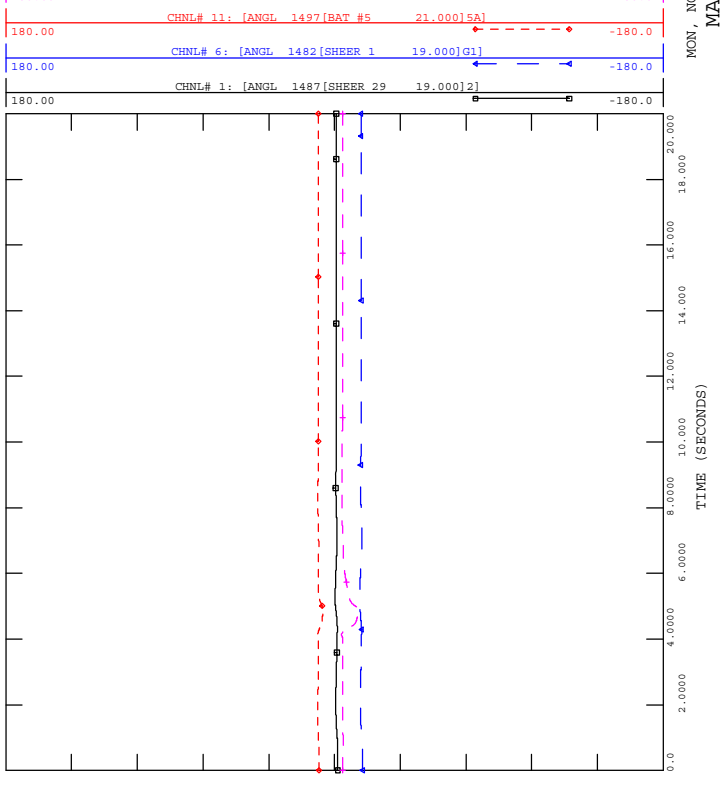


NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out

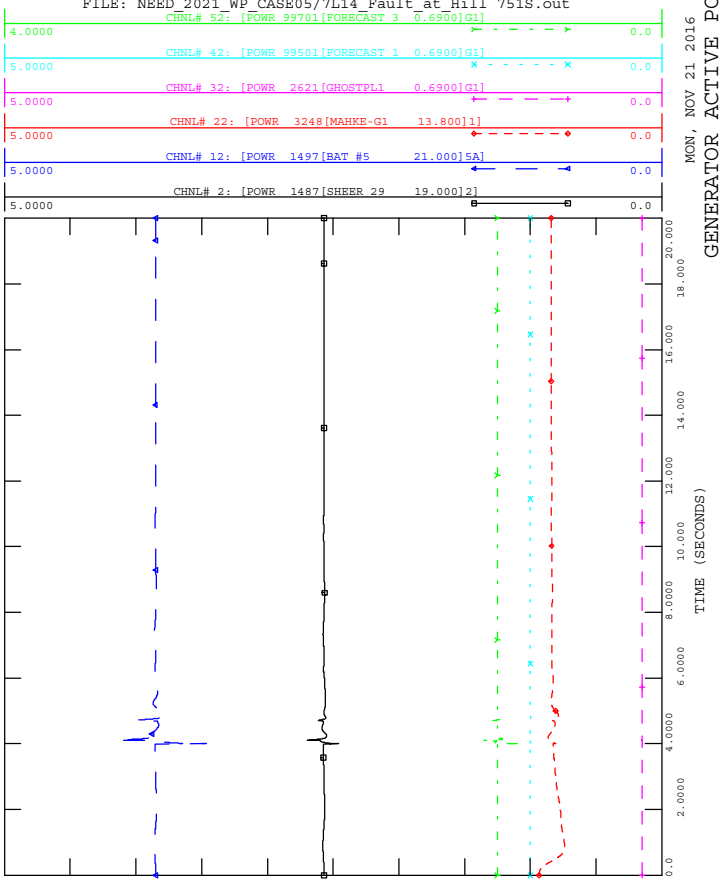
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_HILL 751S

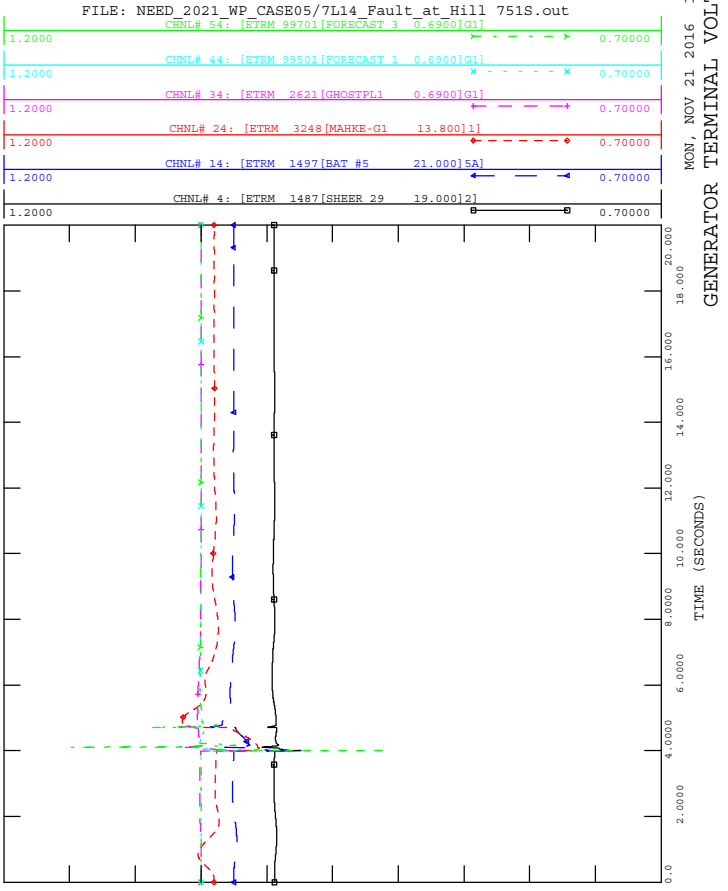
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_HILL 751S

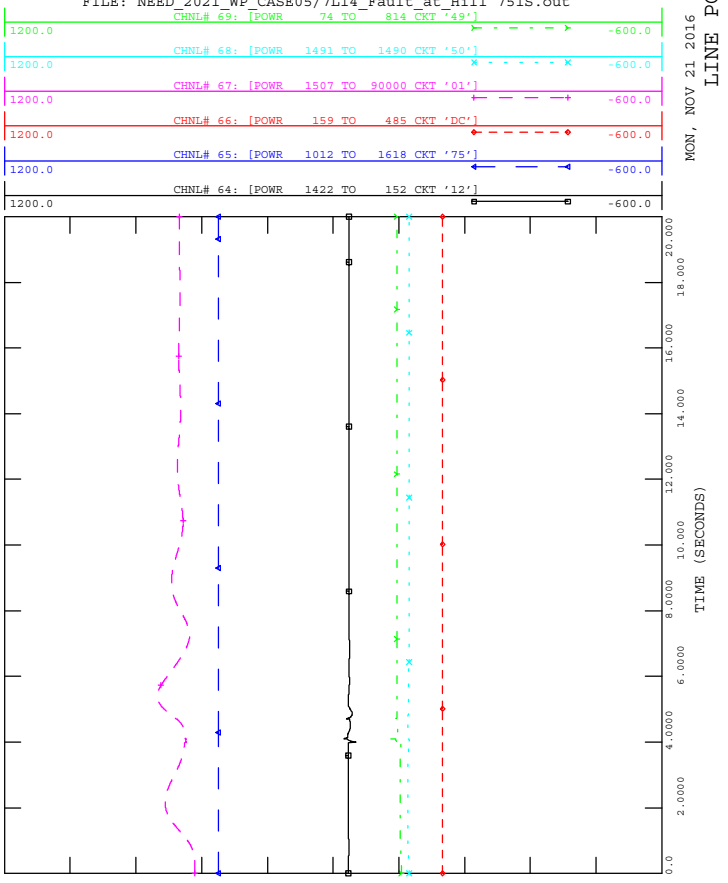
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_HILL 751S

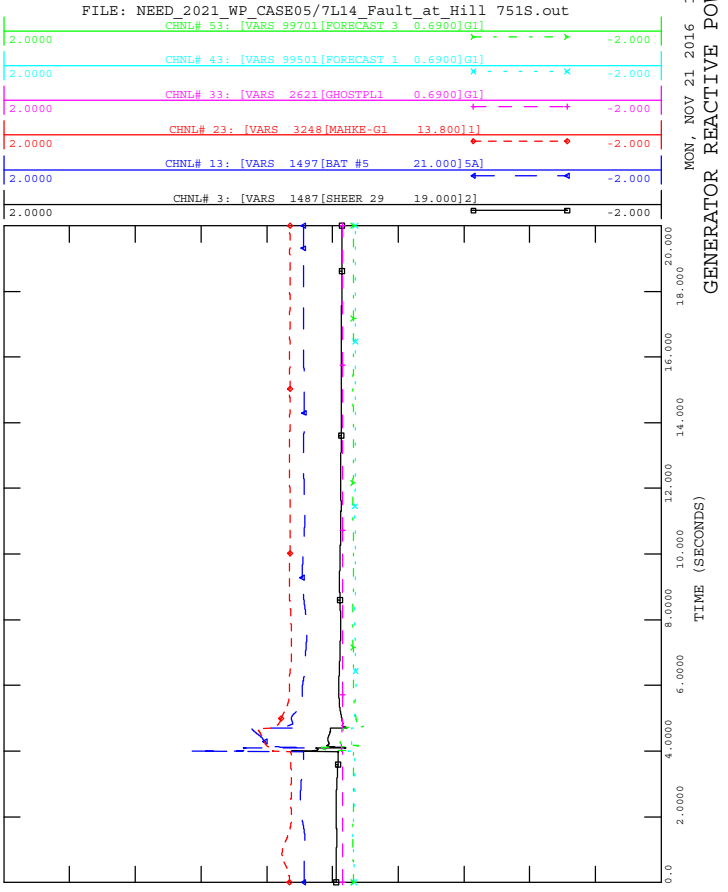
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out



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GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out

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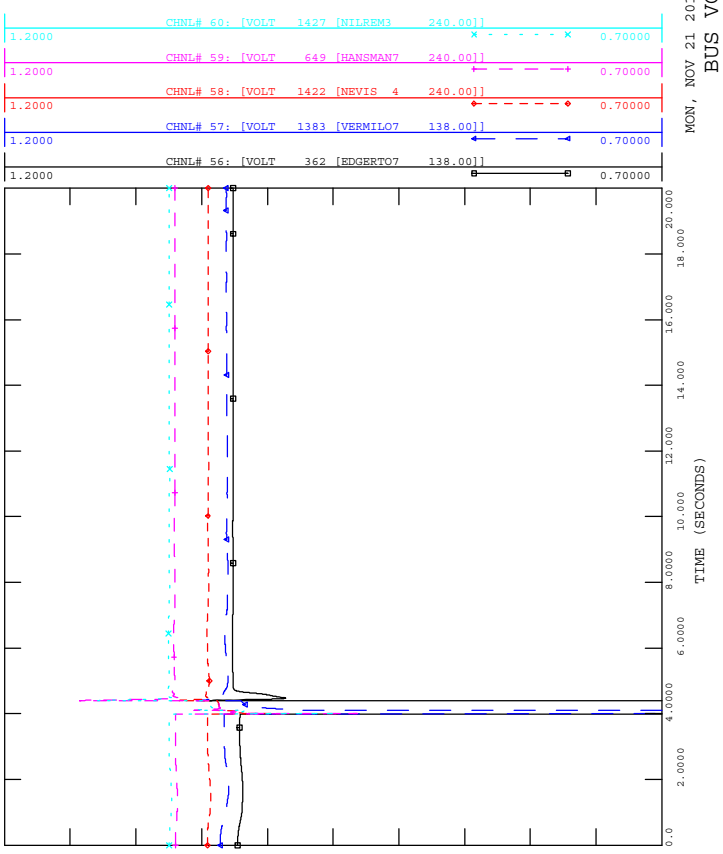
BUS VOLTAGE

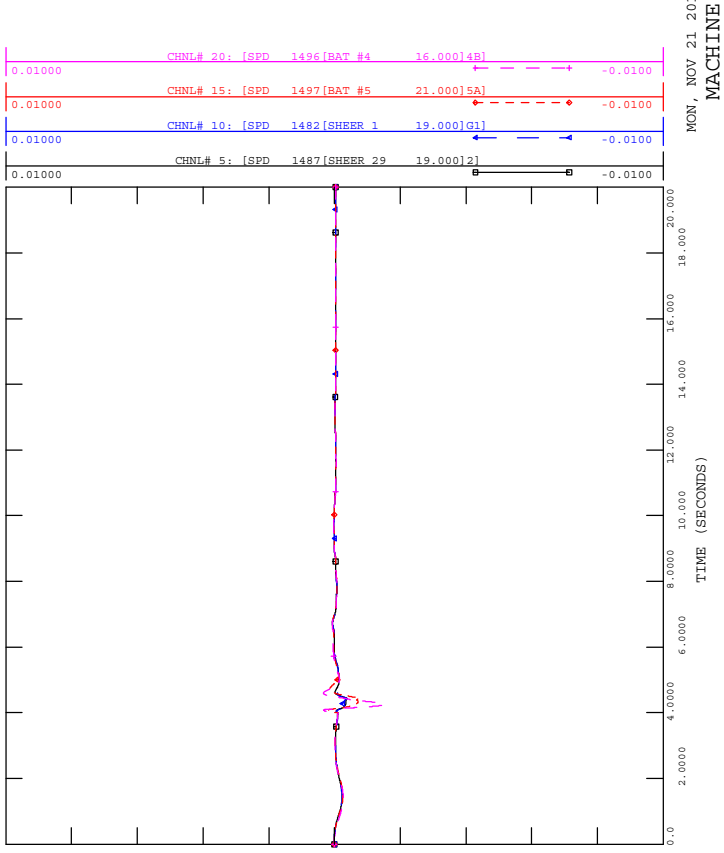


NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

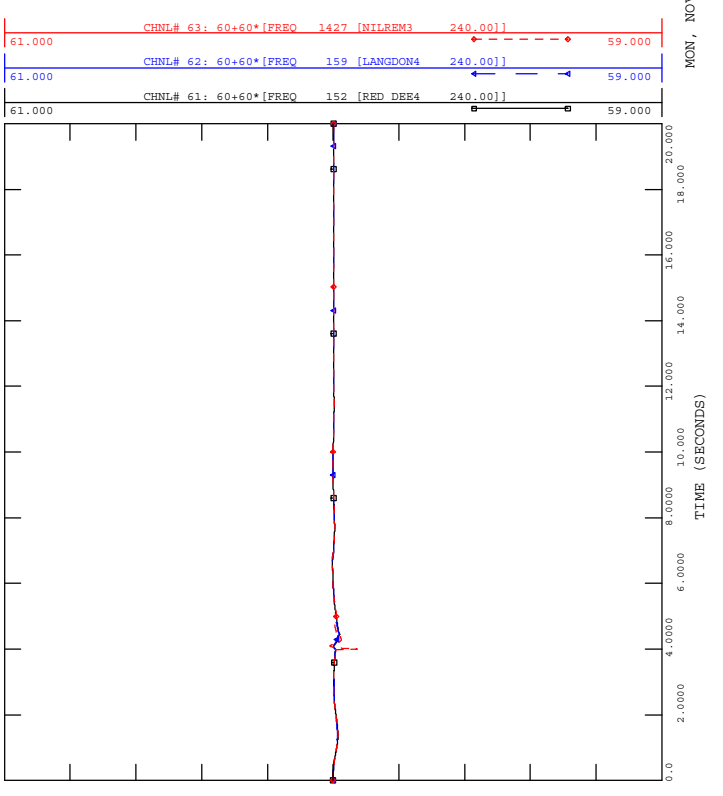


NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:35

FREQUENCY



NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out

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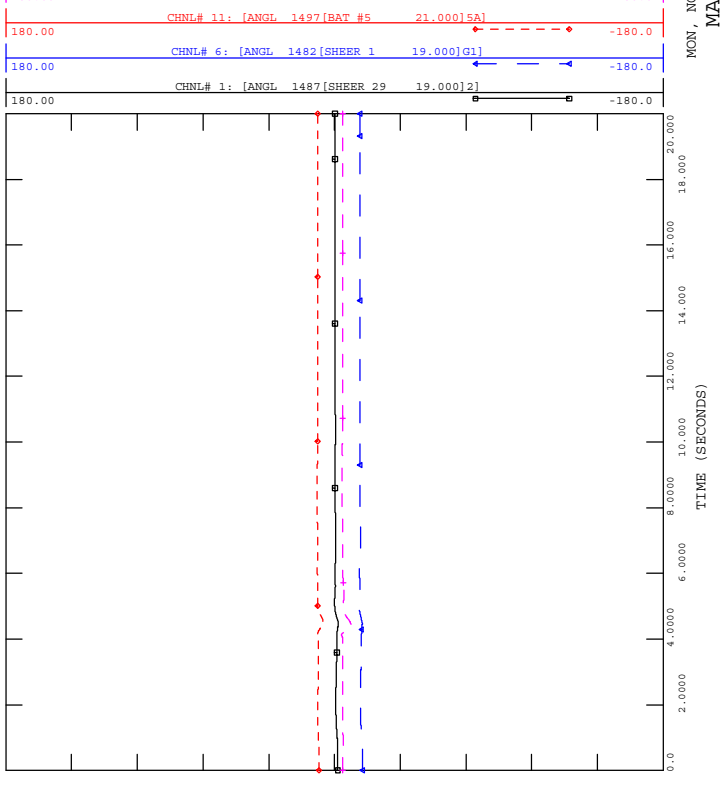
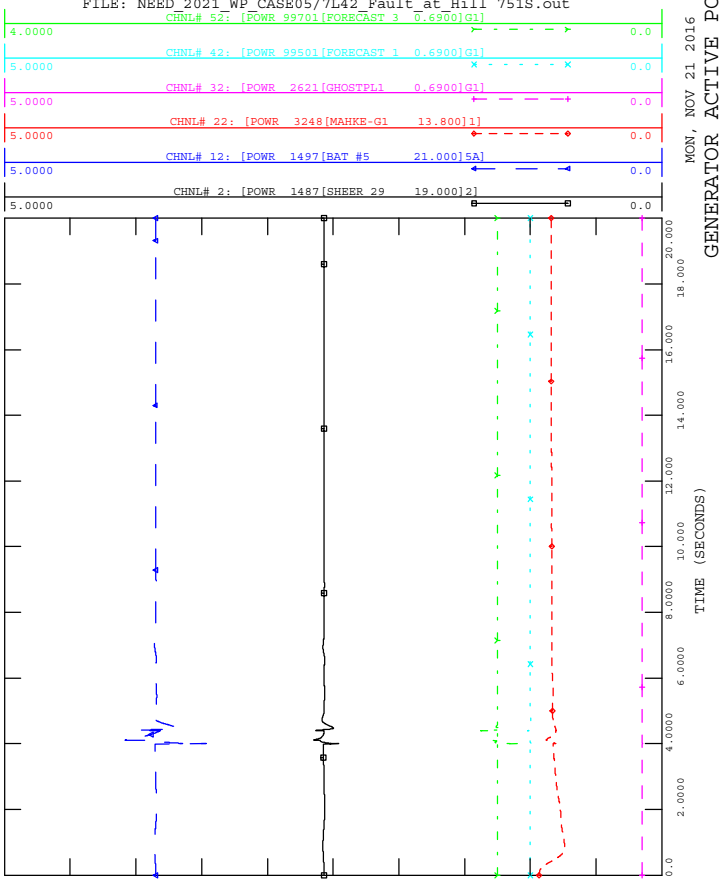
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_HILL 751S

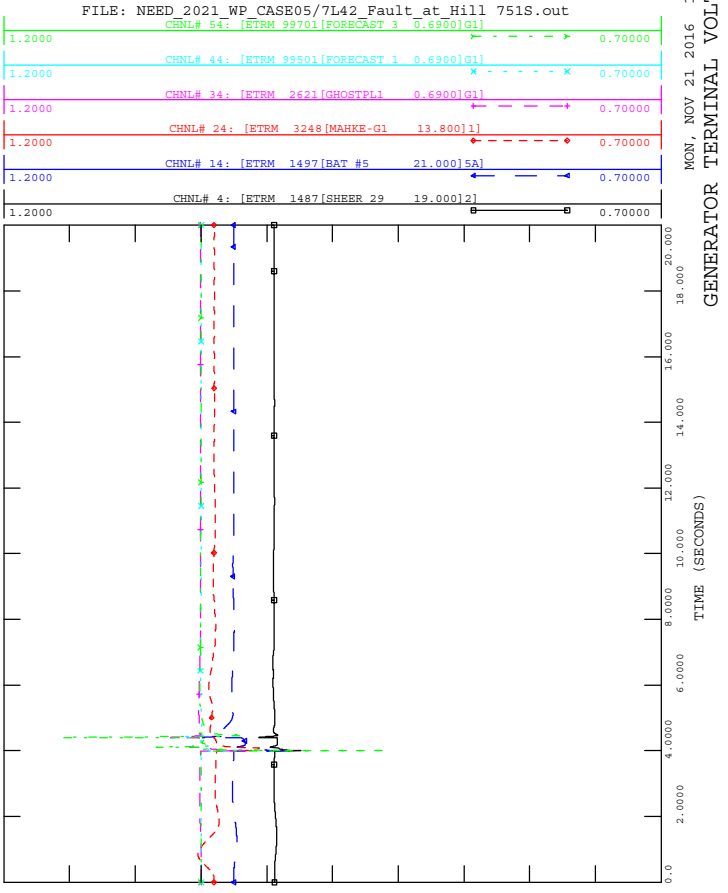
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_HILL 751S

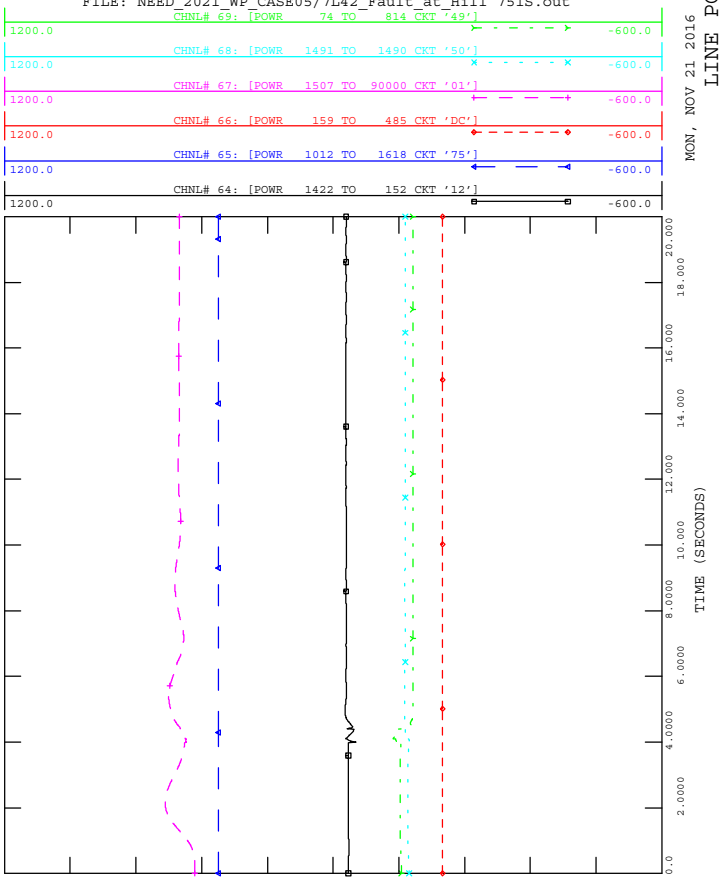
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_HILL 751S

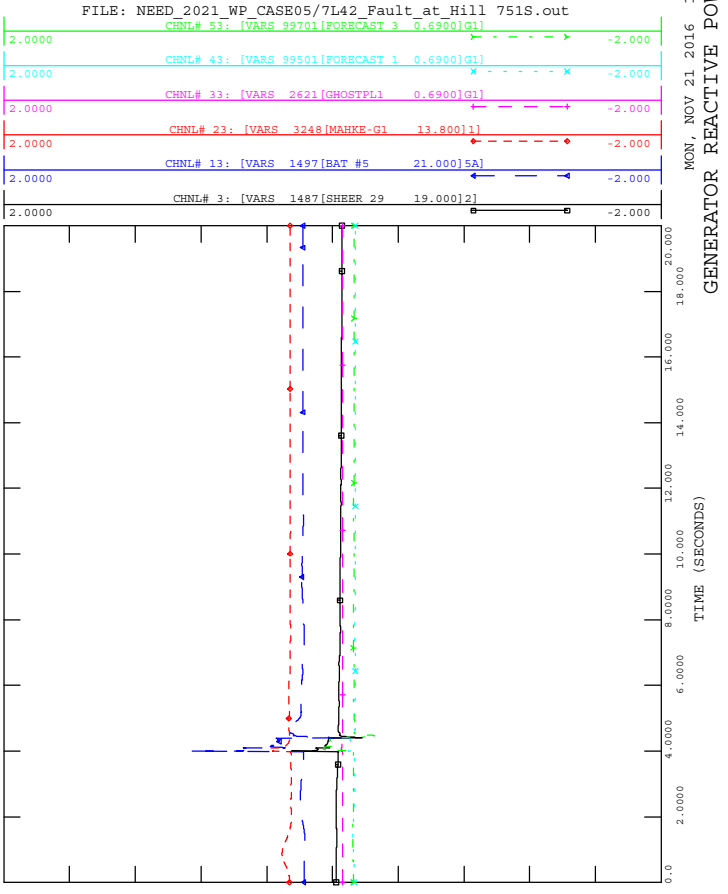
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out



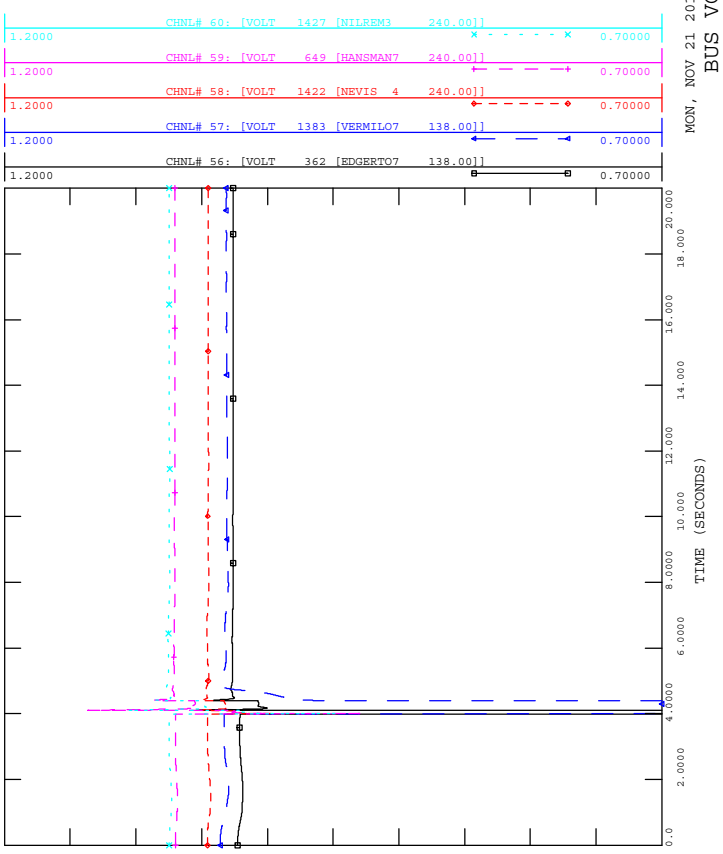
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

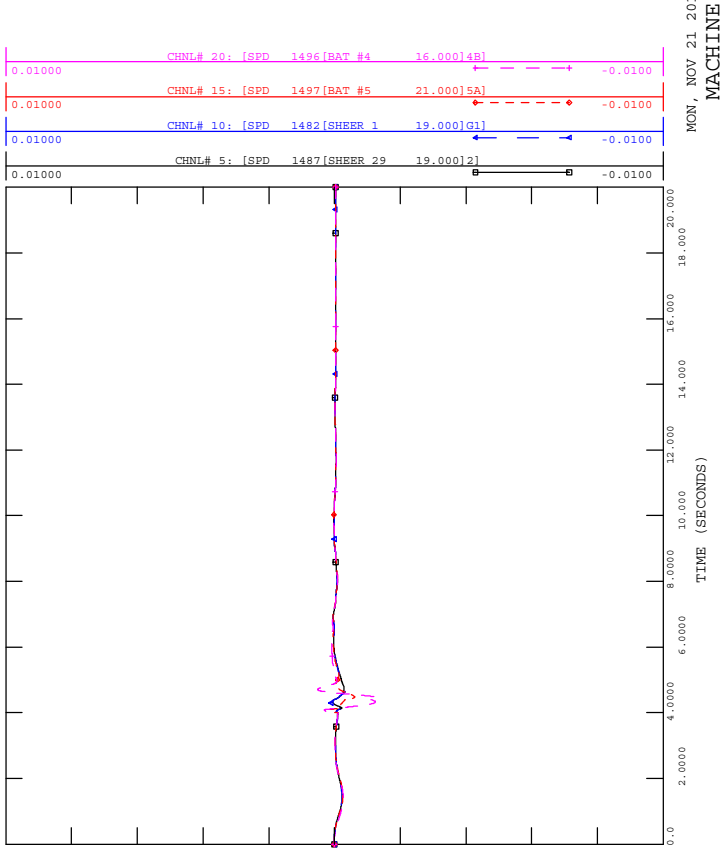


NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

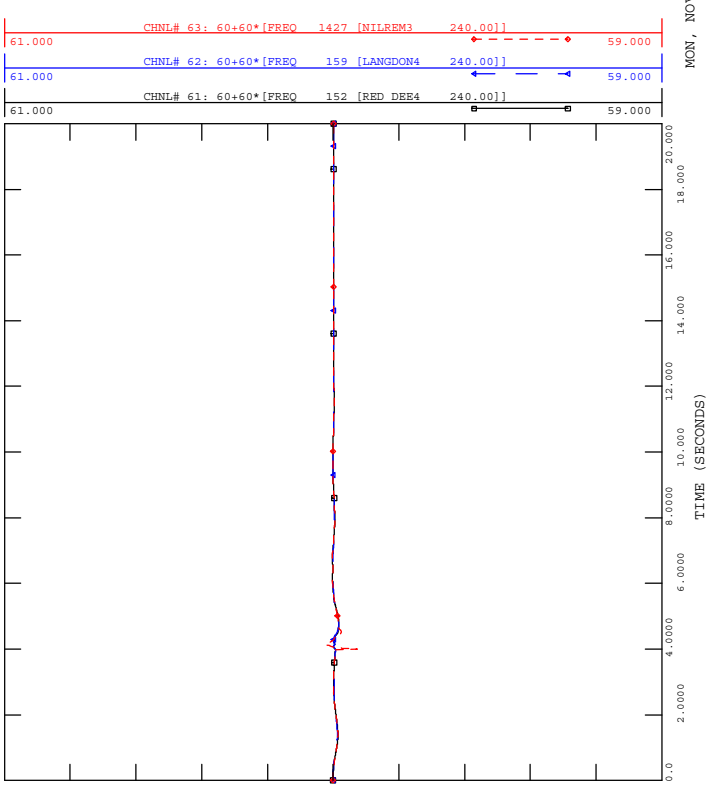


NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 13:35

FREQUENCY



NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out

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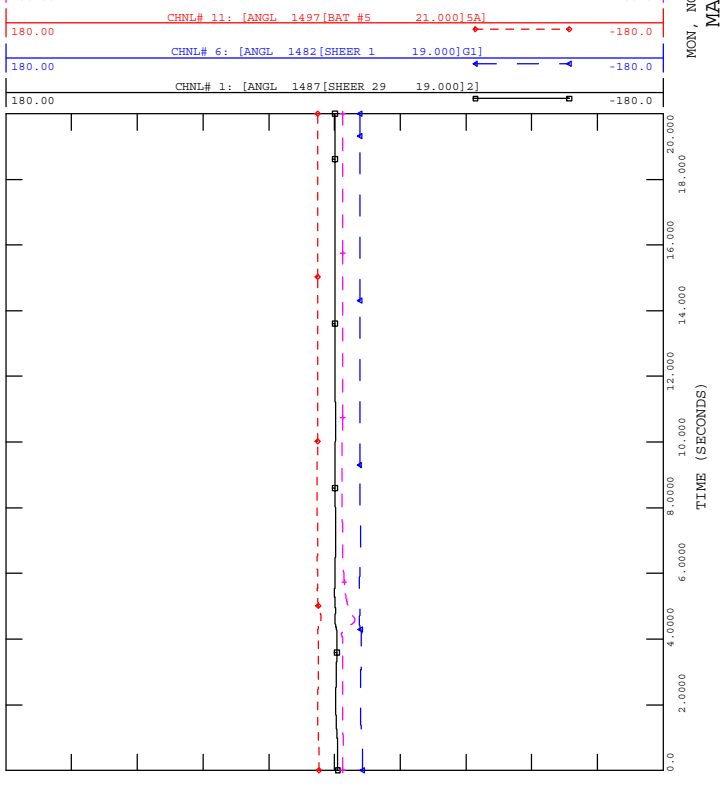
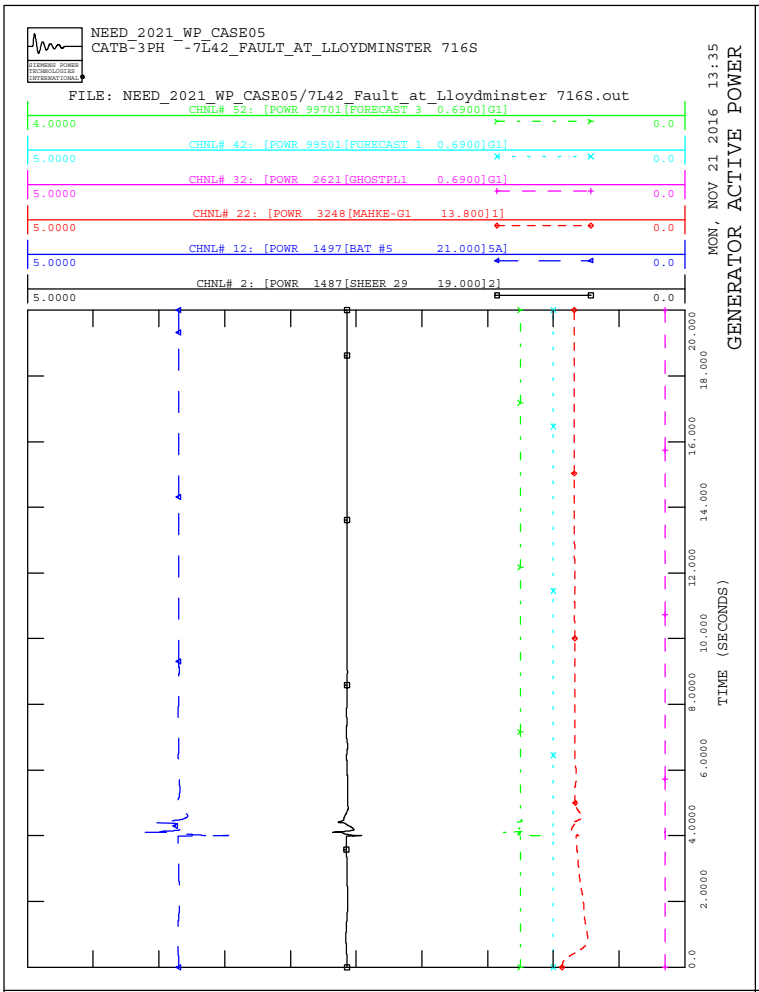
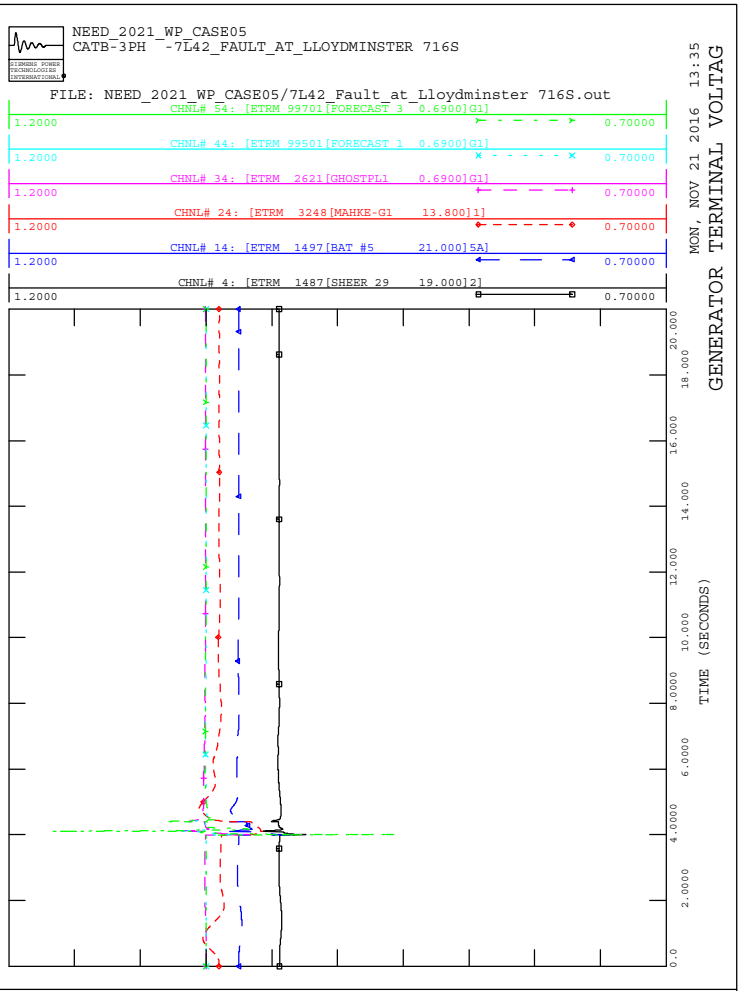
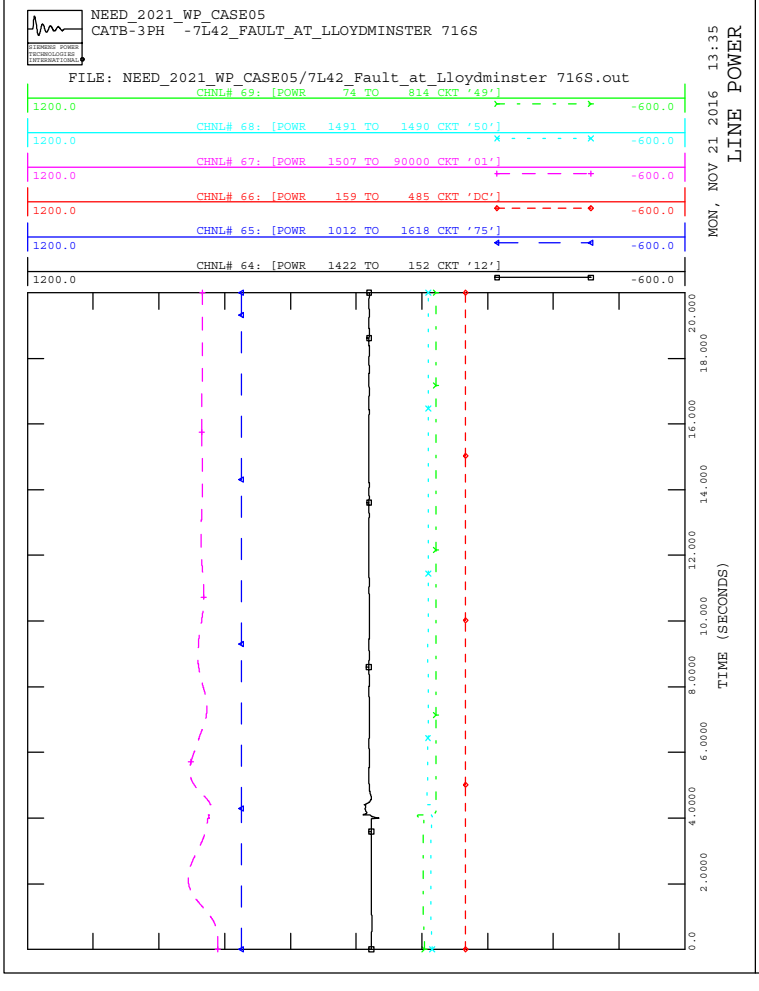
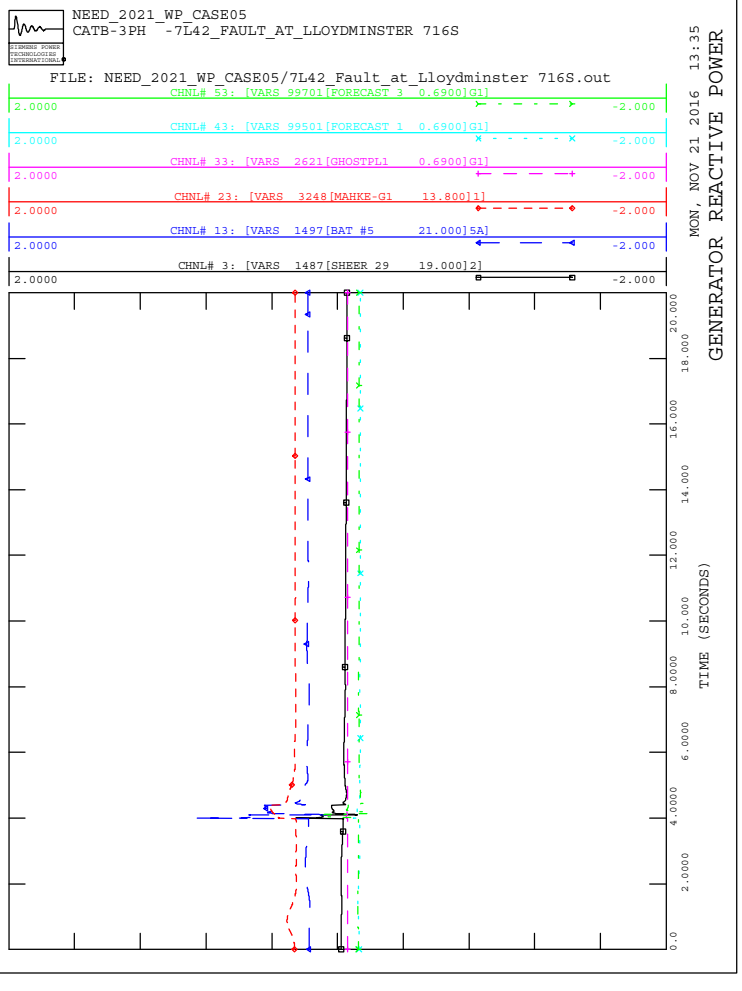
MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:35
LINE POWER
TIME (SECONDS)

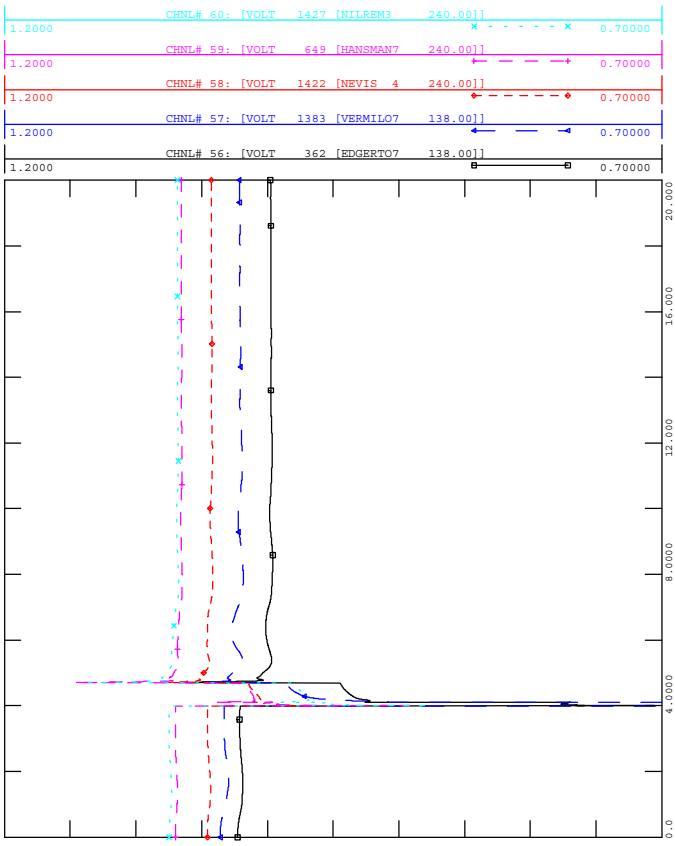

NEED_2021_WP_CASE05
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

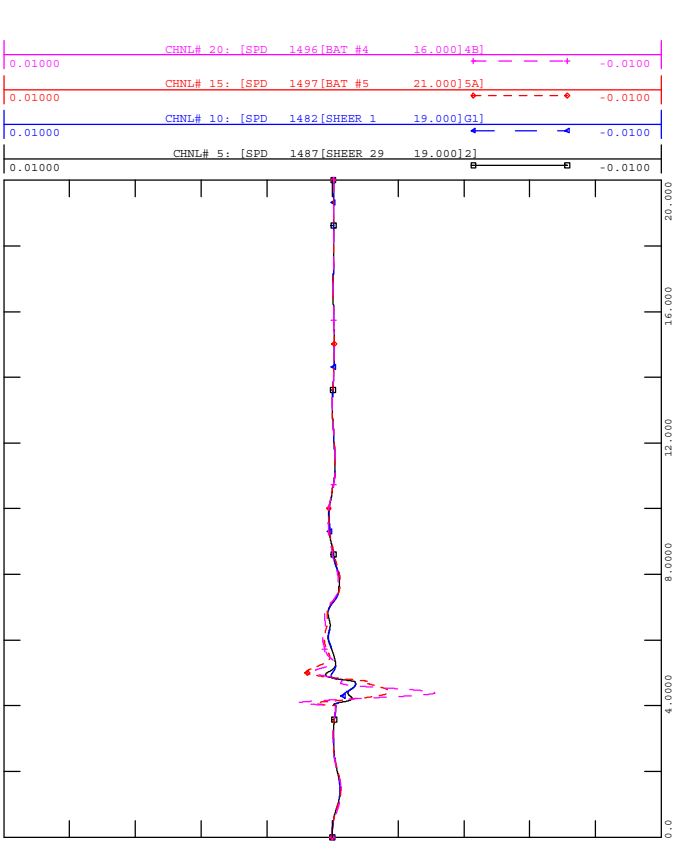


NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

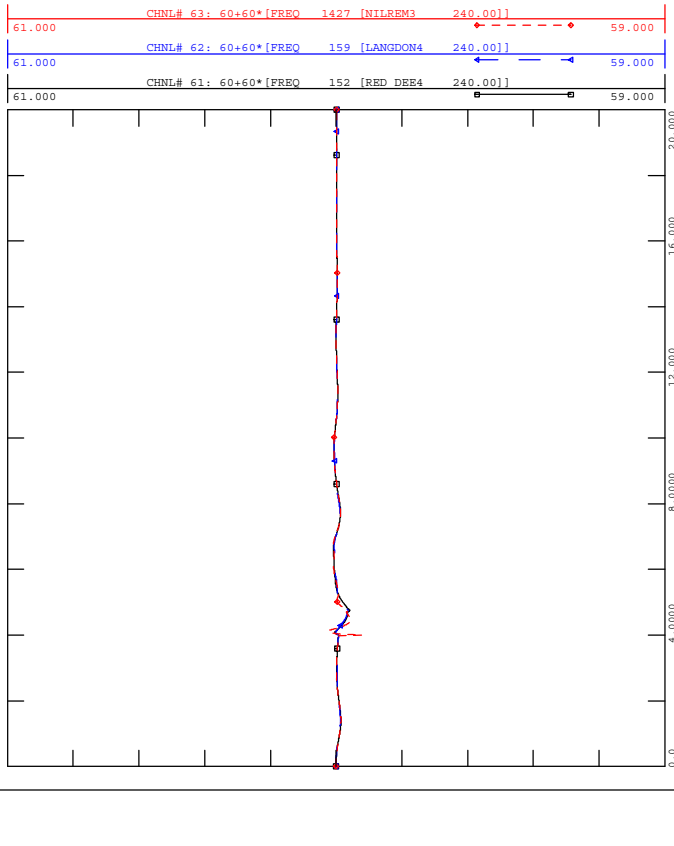


NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 13:35

FREQUENCY

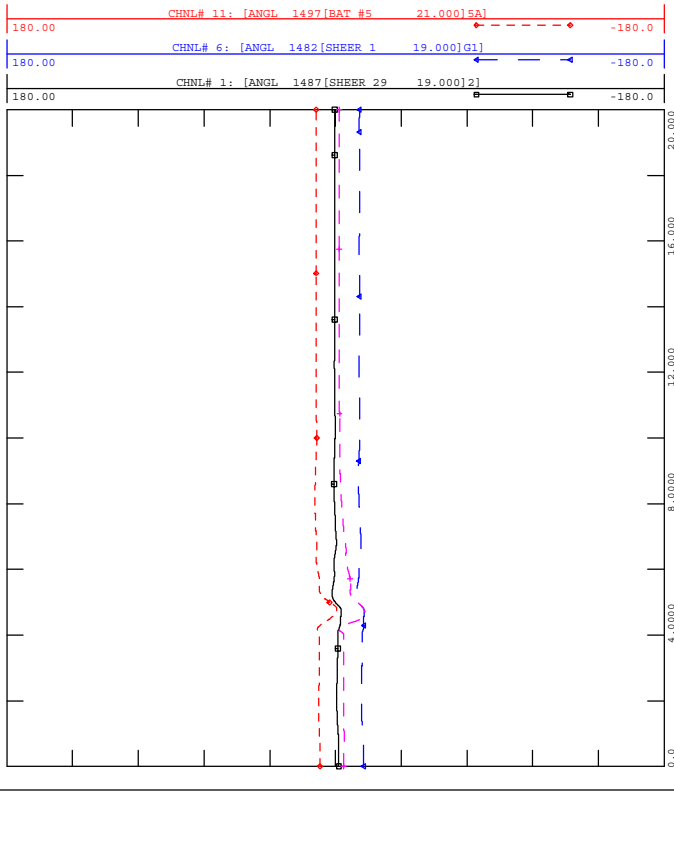


NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 13:35

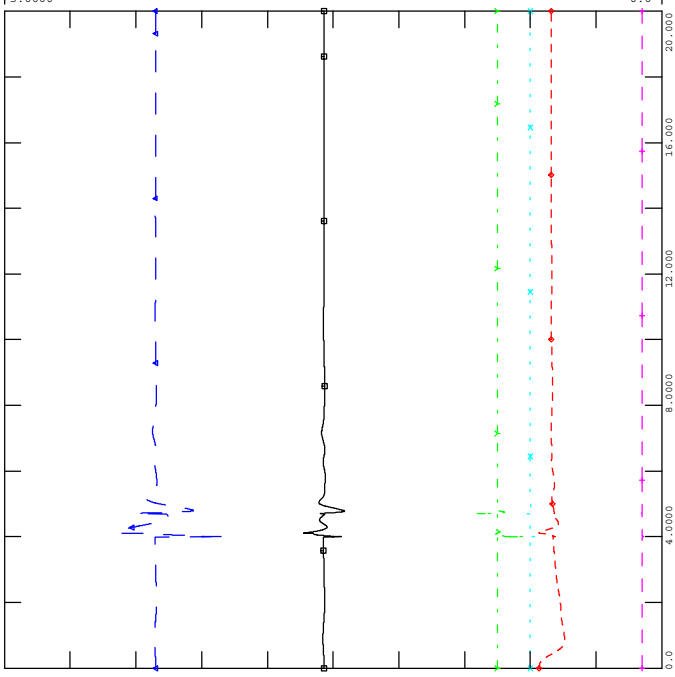
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

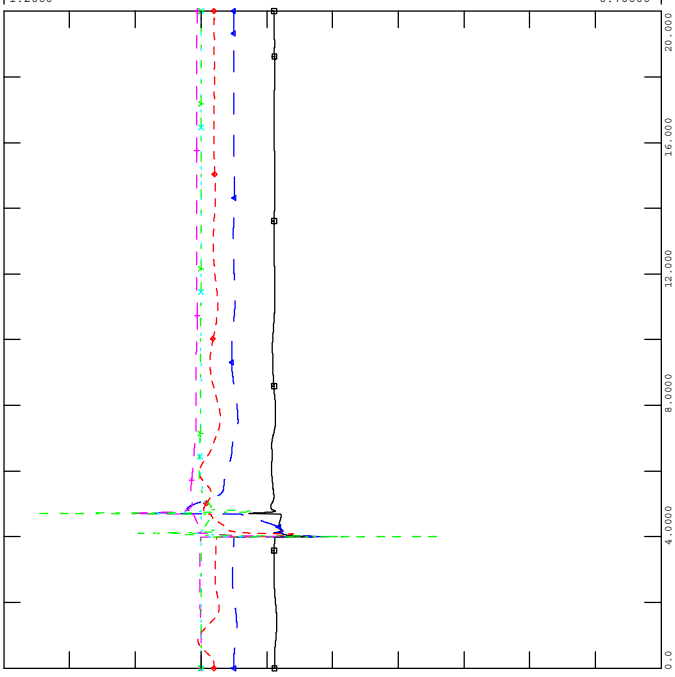


MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

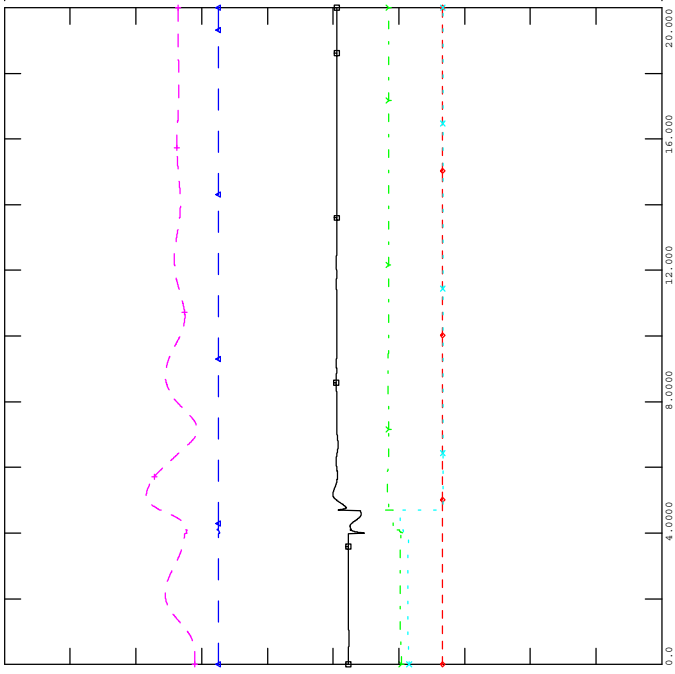


MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

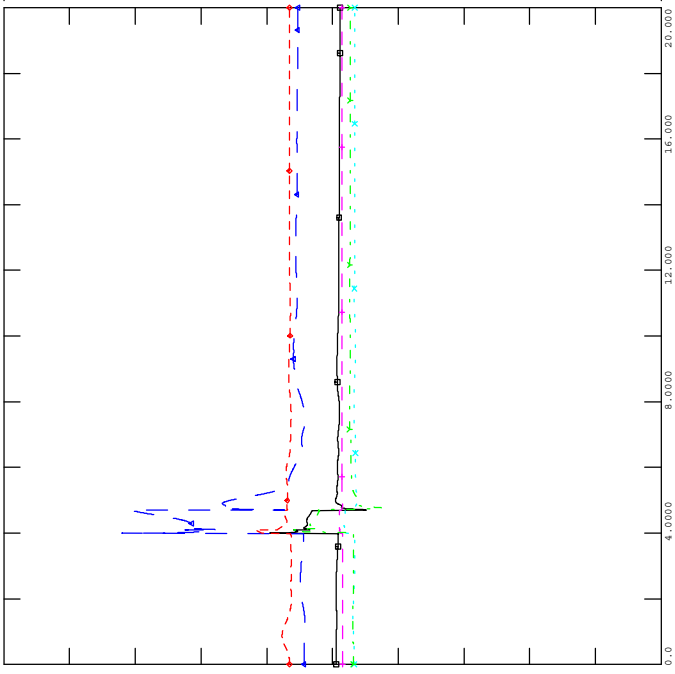


MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



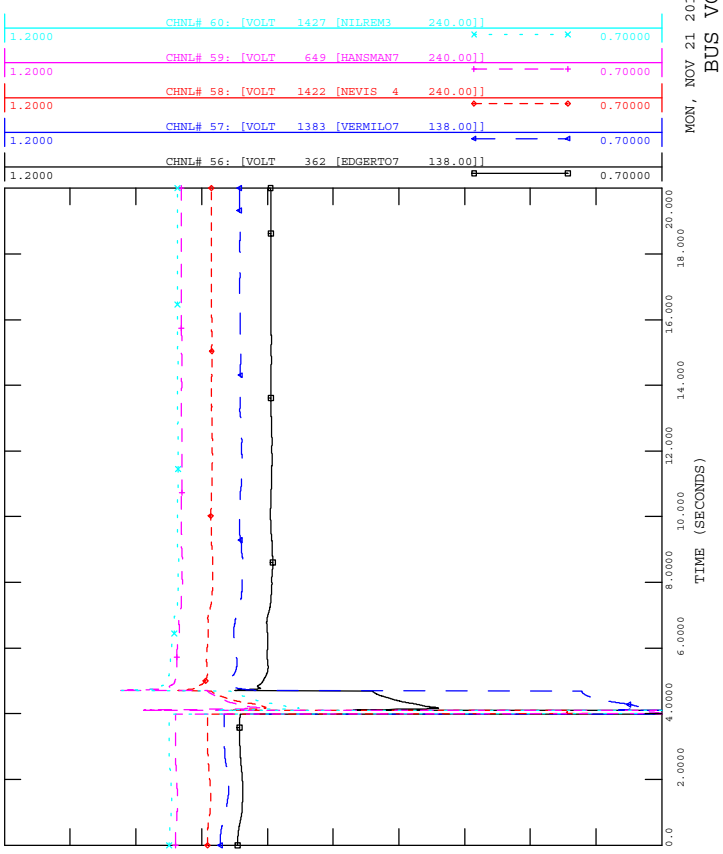
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

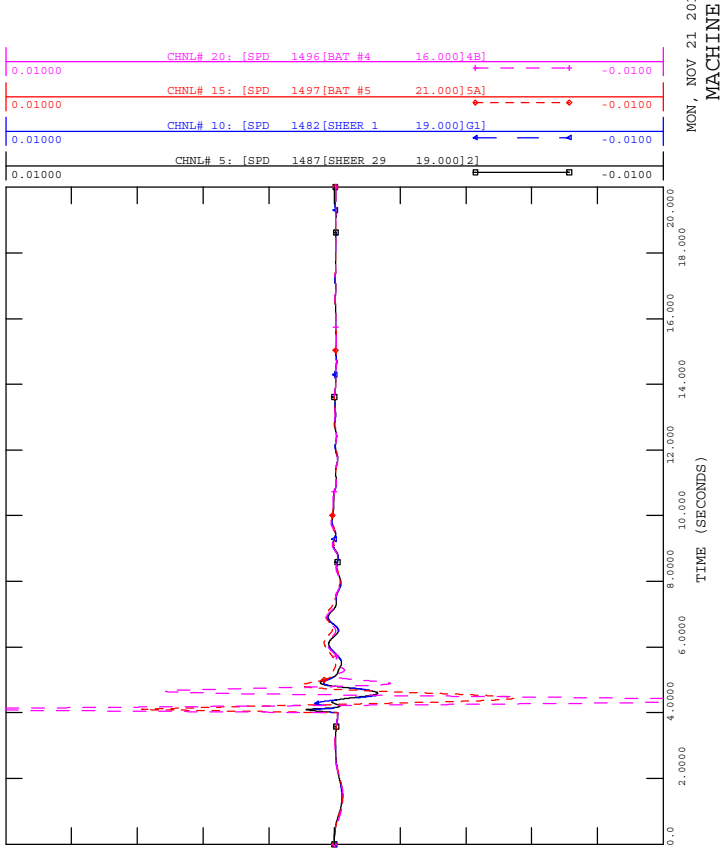


NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

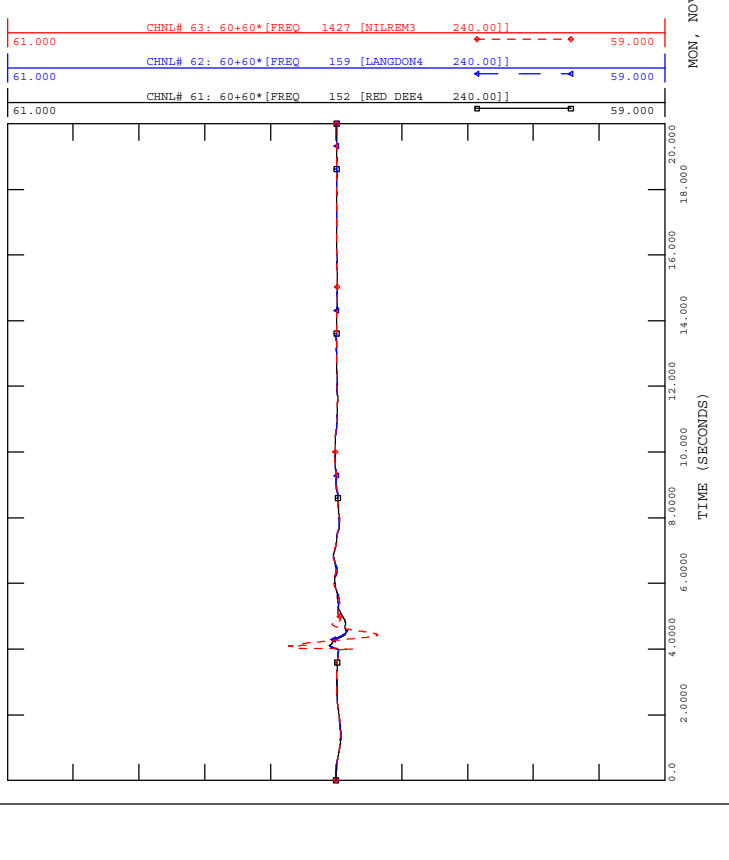


NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:35

FREQUENCY

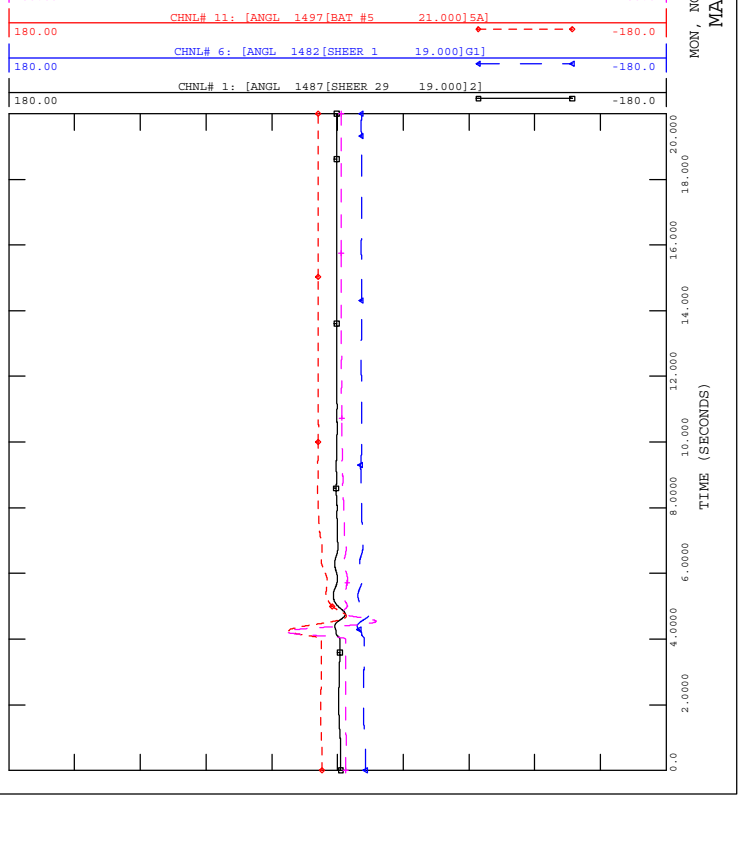


NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out

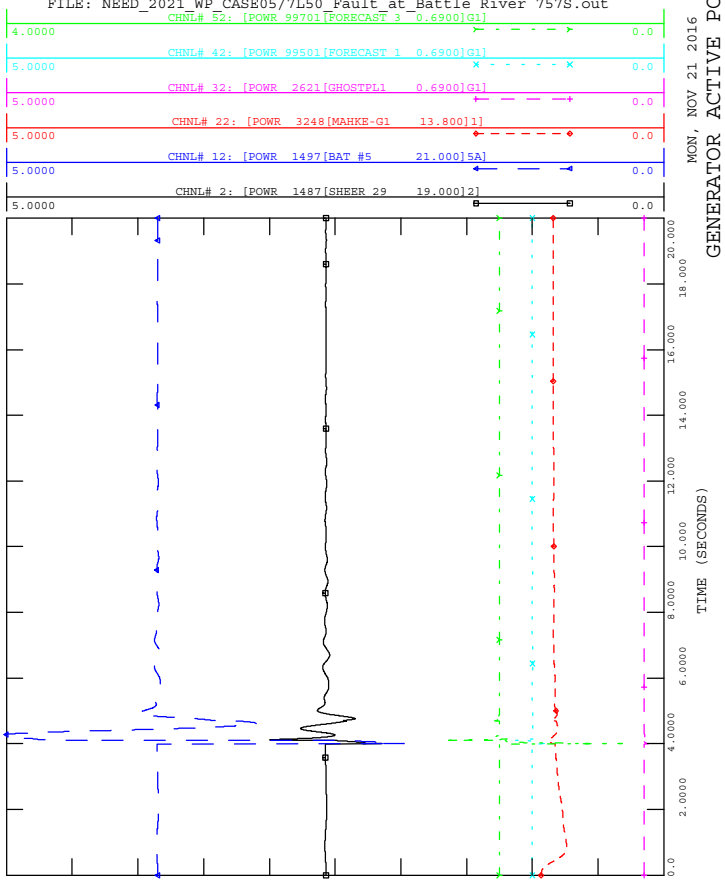
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

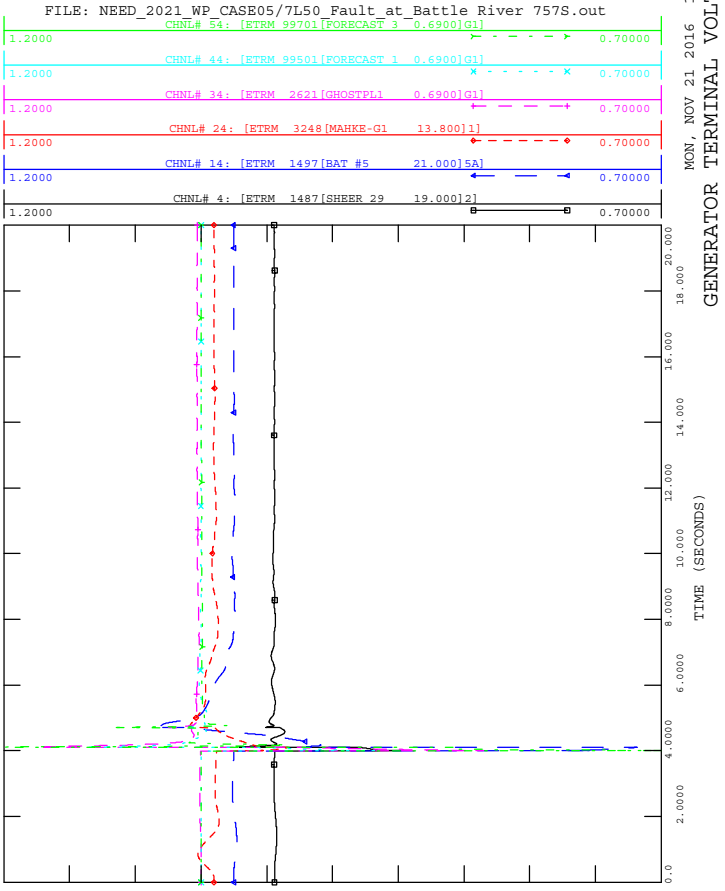
FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

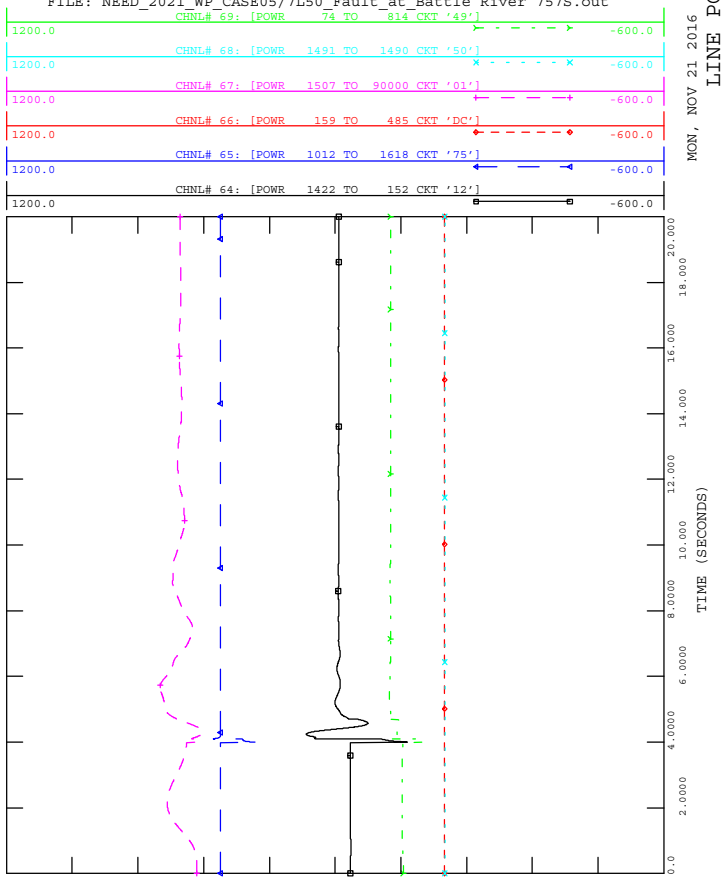
FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

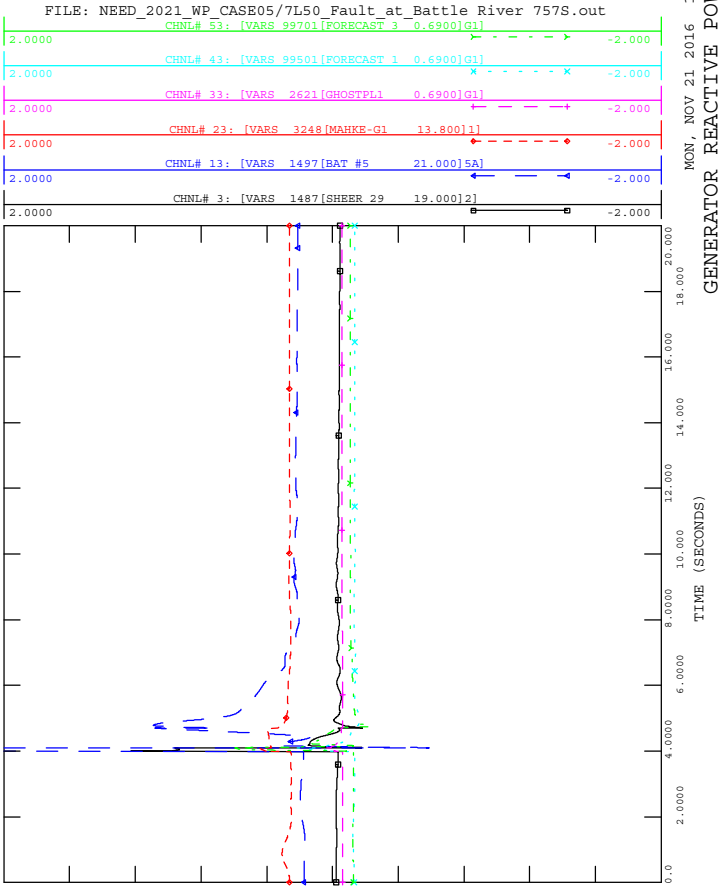
FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out



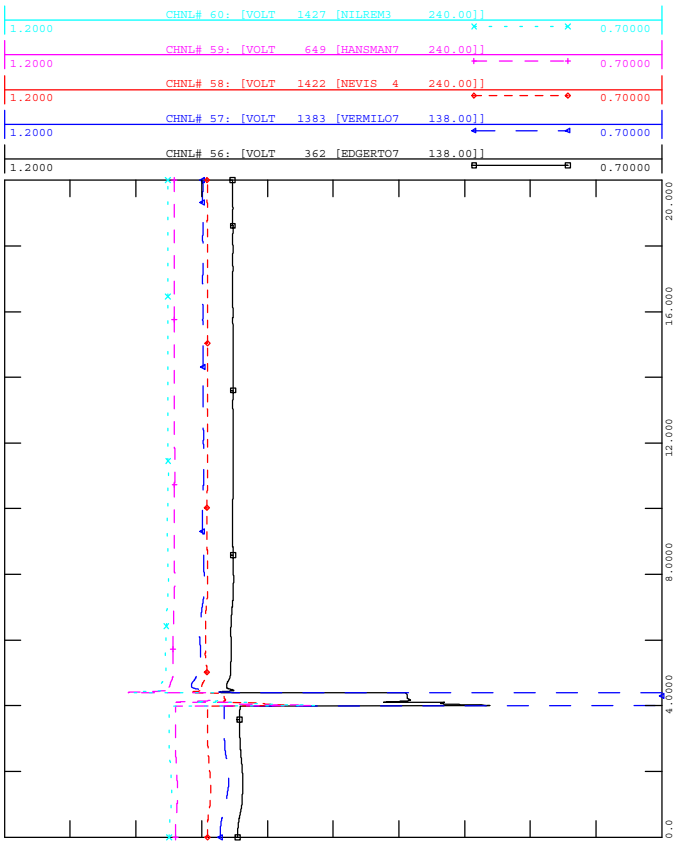
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

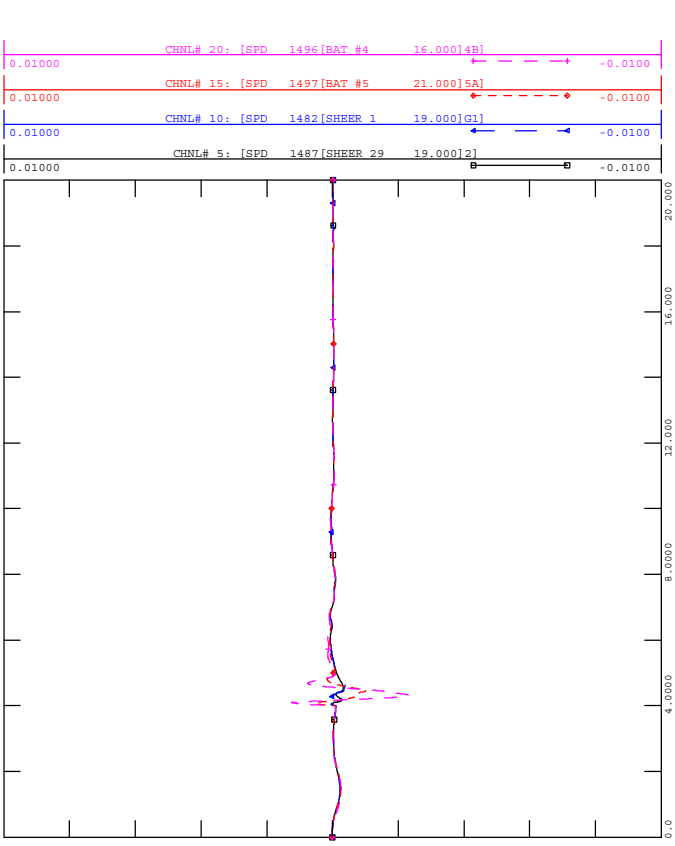


NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

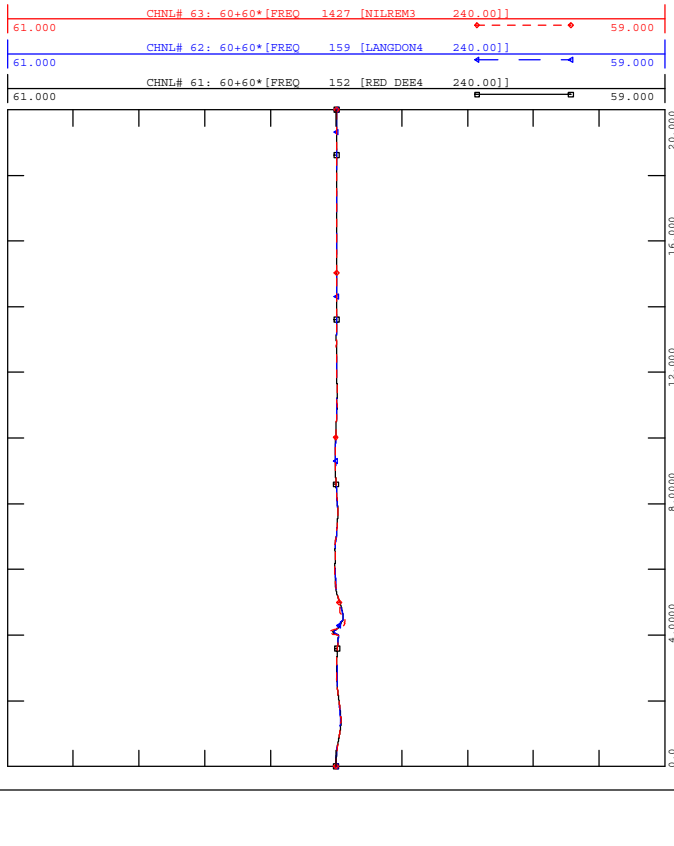


NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 13:35

FREQUENCY

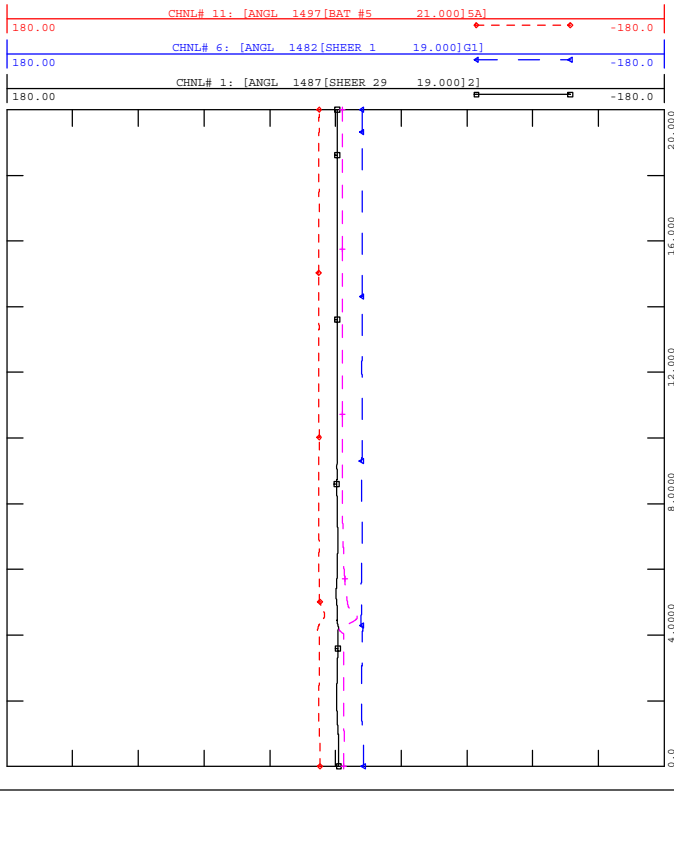


NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out

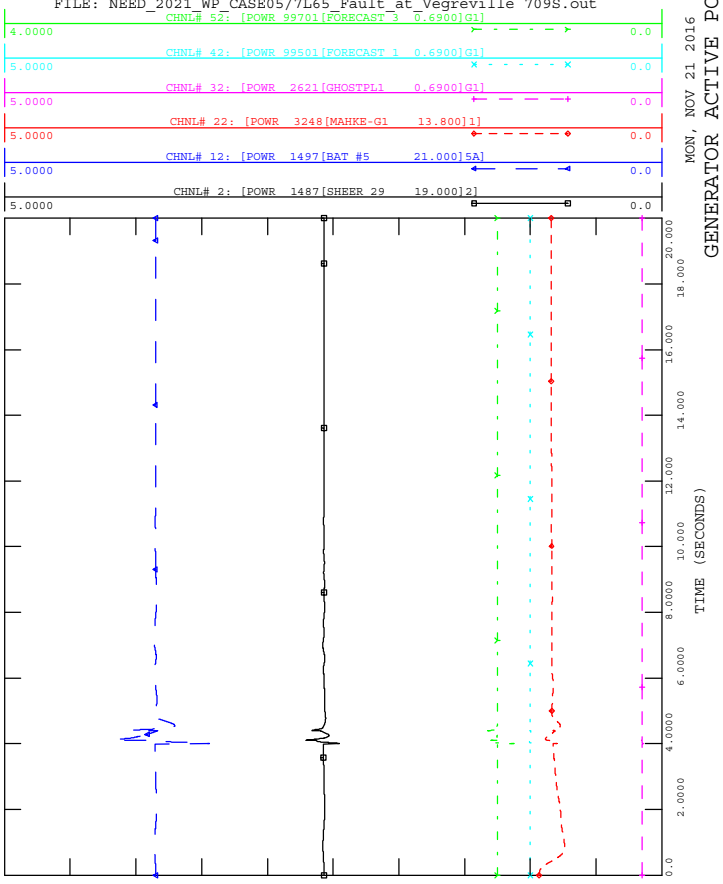
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

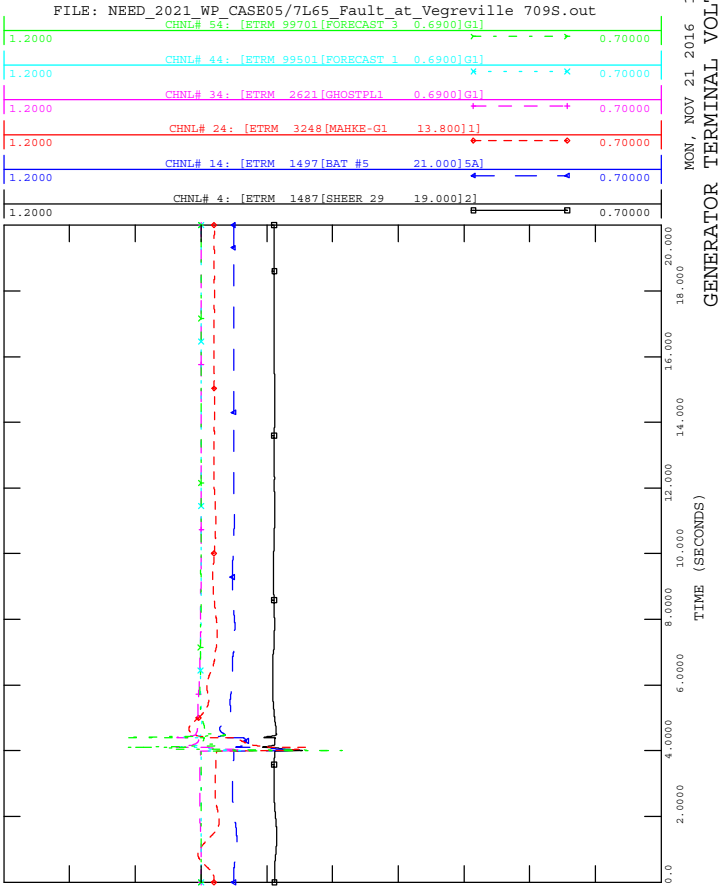
FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

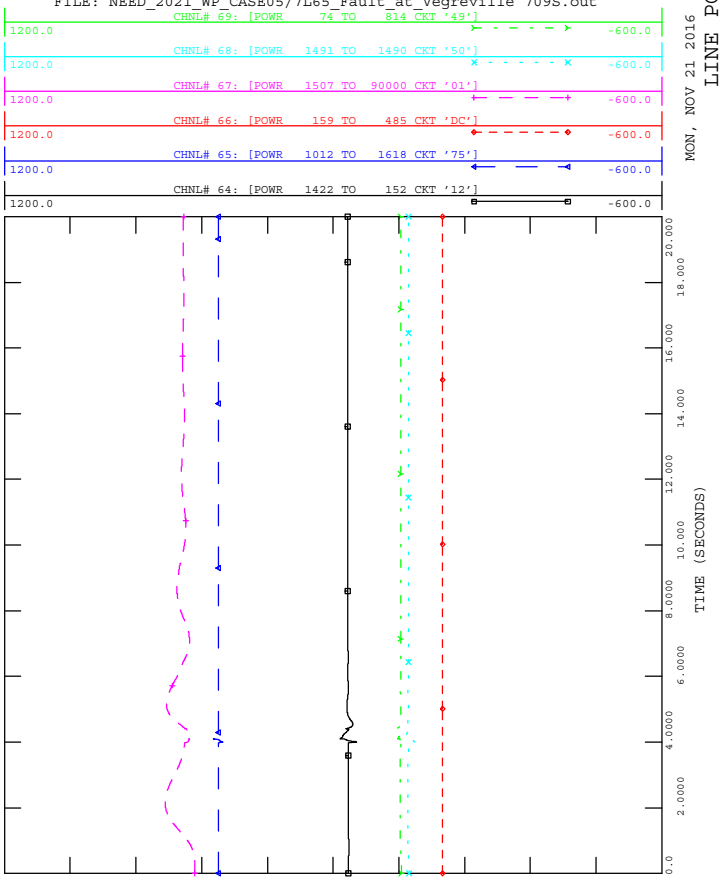
FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

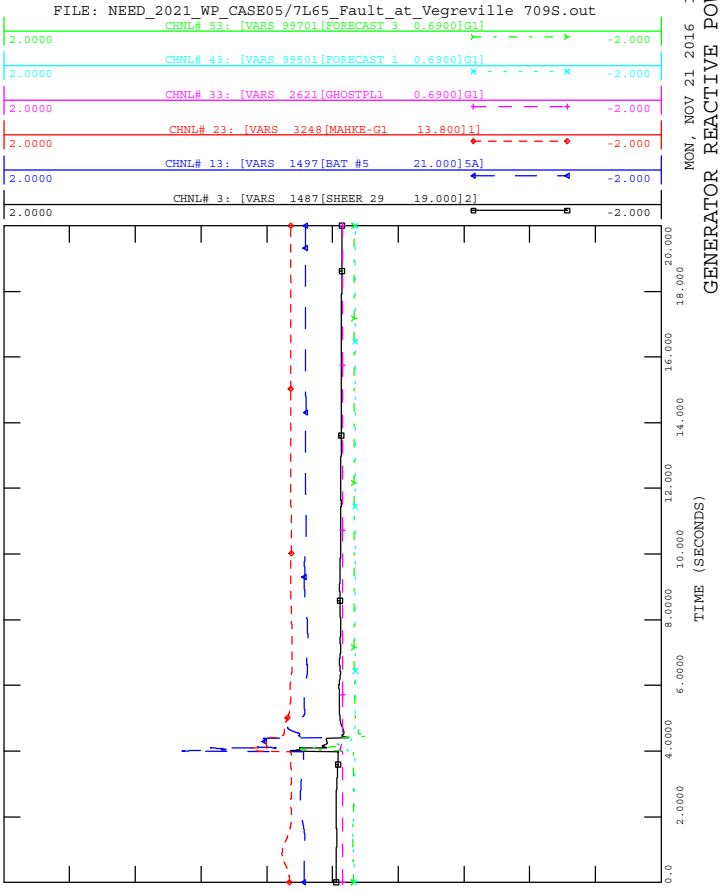
FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out



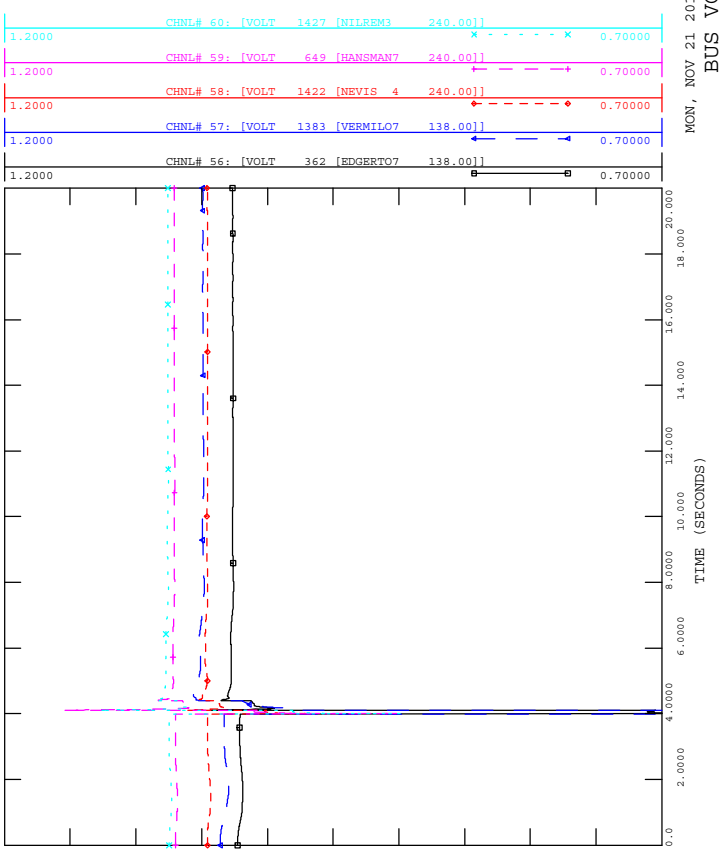
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

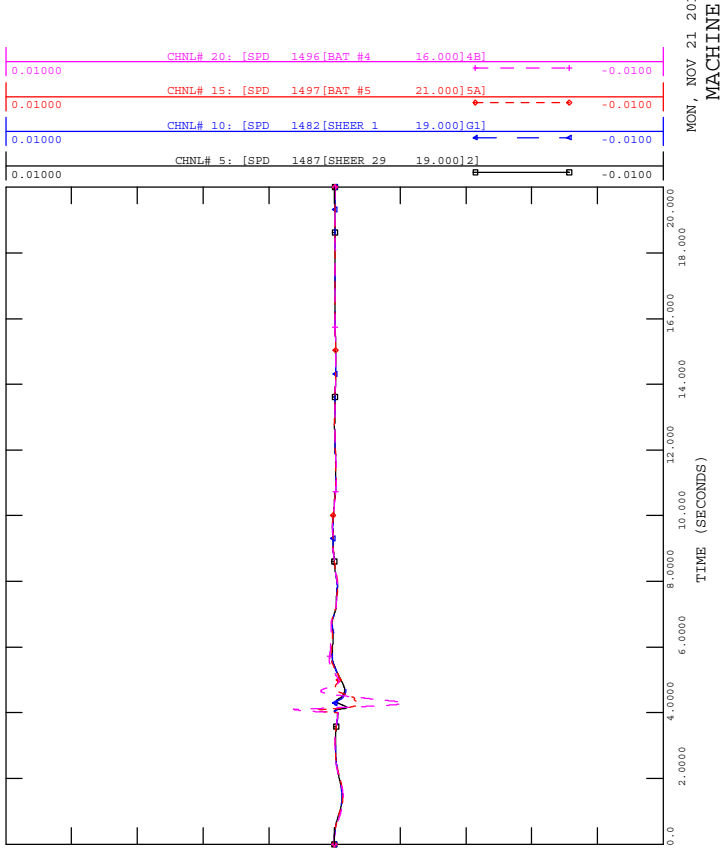


NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

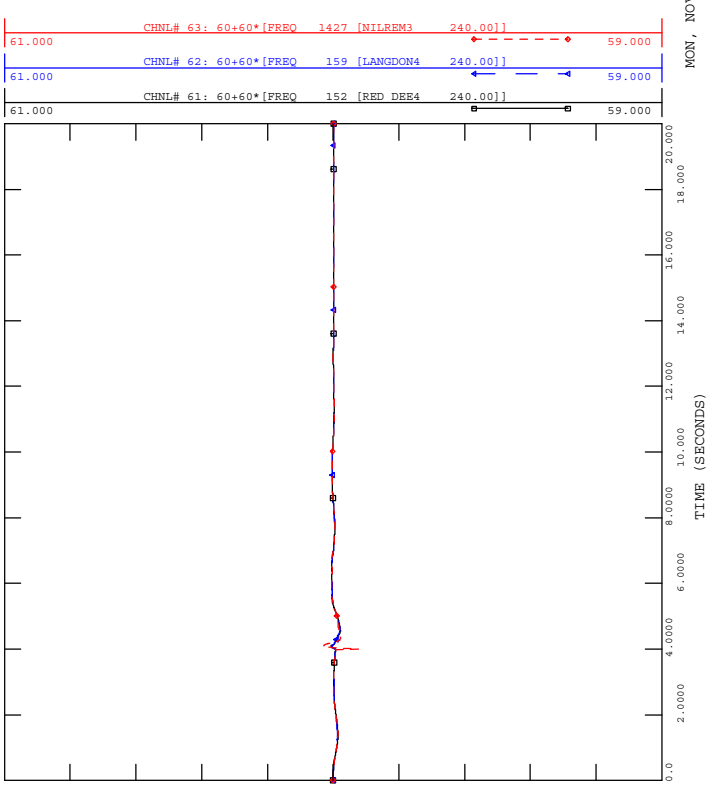


NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 13:35

FREQUENCY

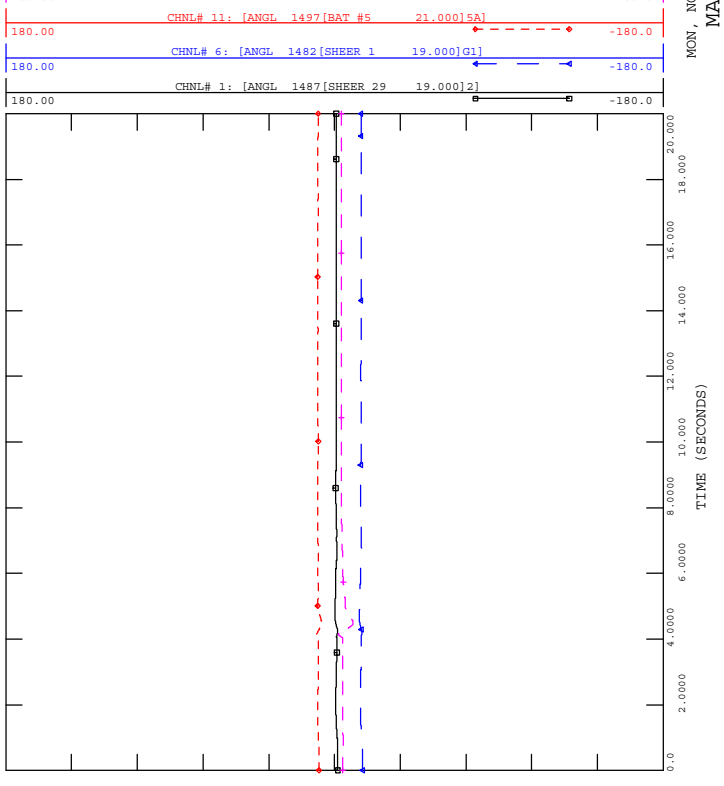


NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out

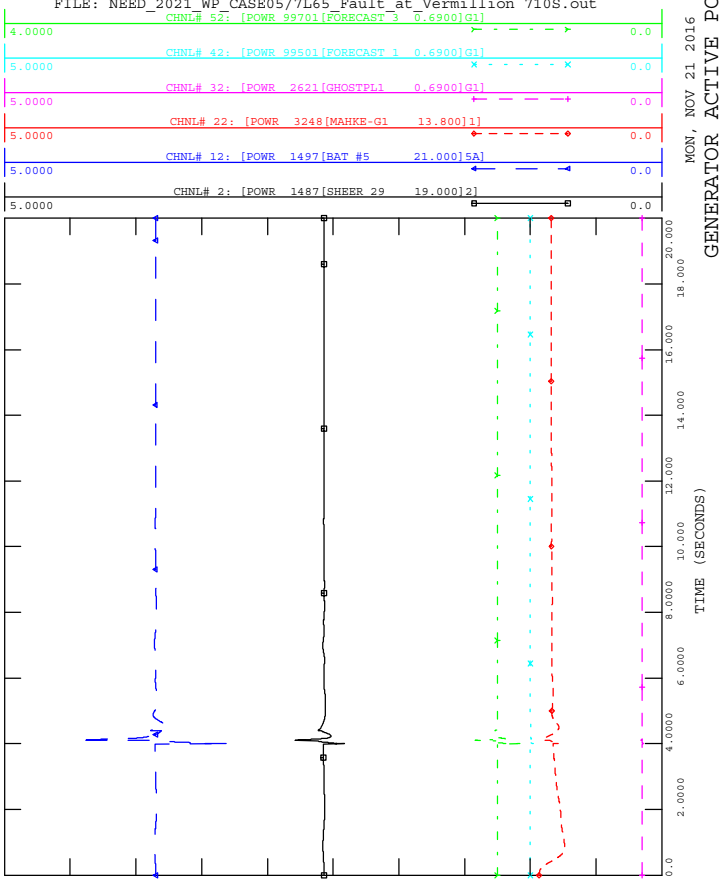
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

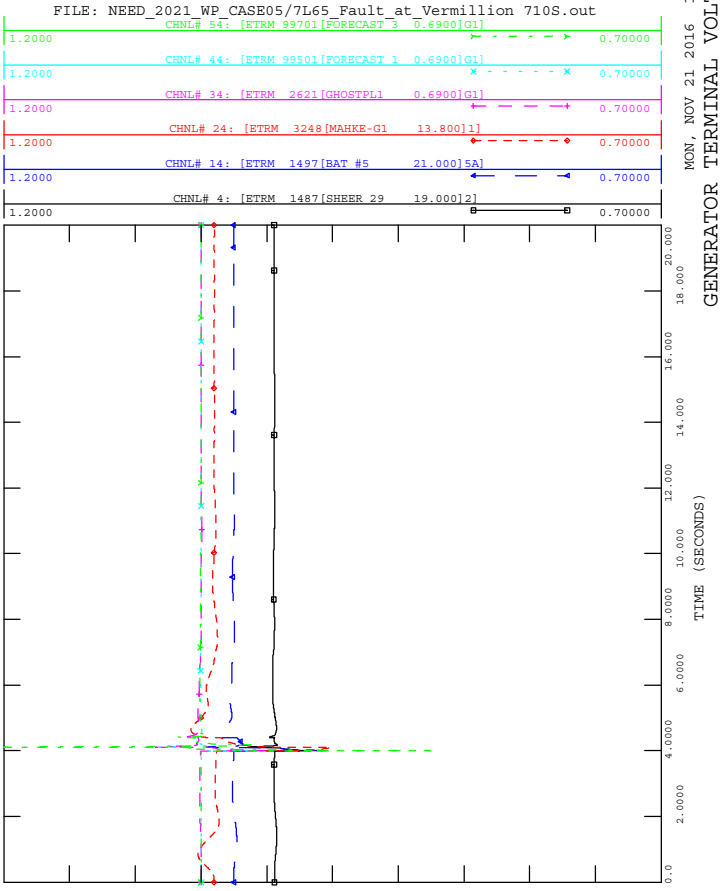
FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:35

NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

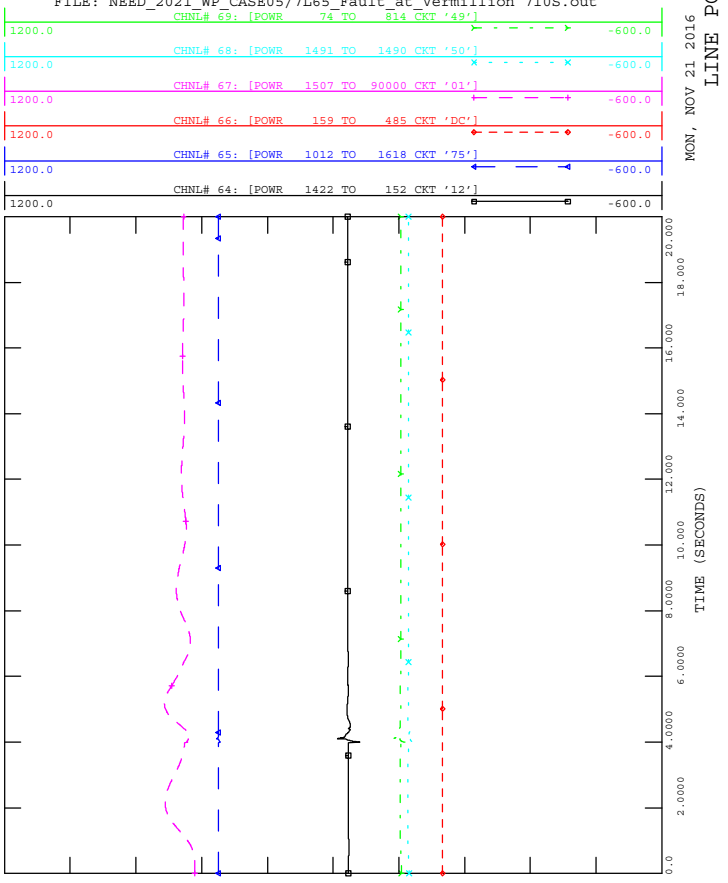
FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:35

NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out



LINE POWER
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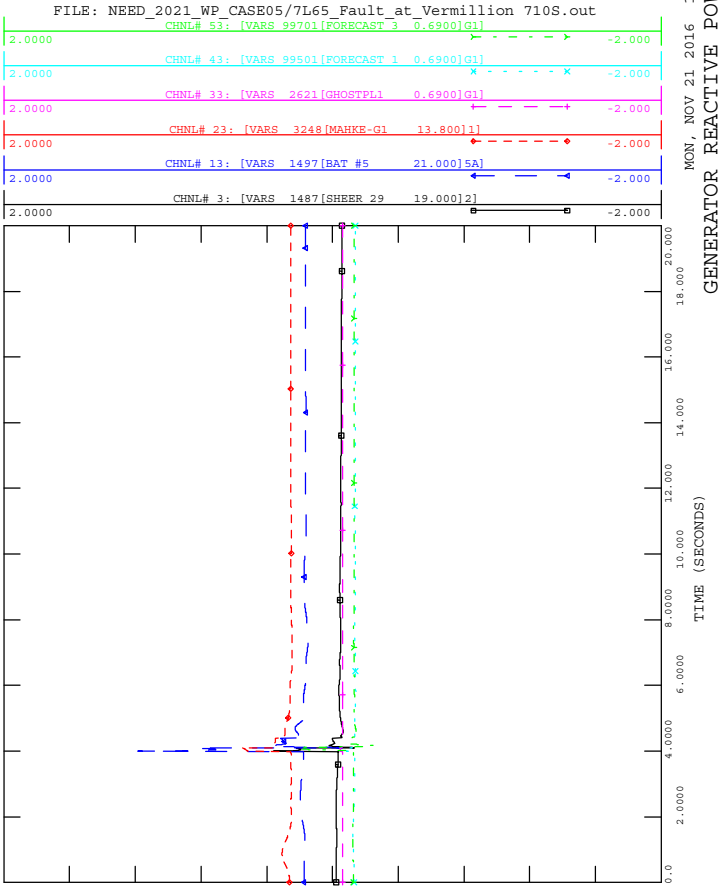
NEED_2021_WP_CASE05
CATB-3PH -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out



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NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out

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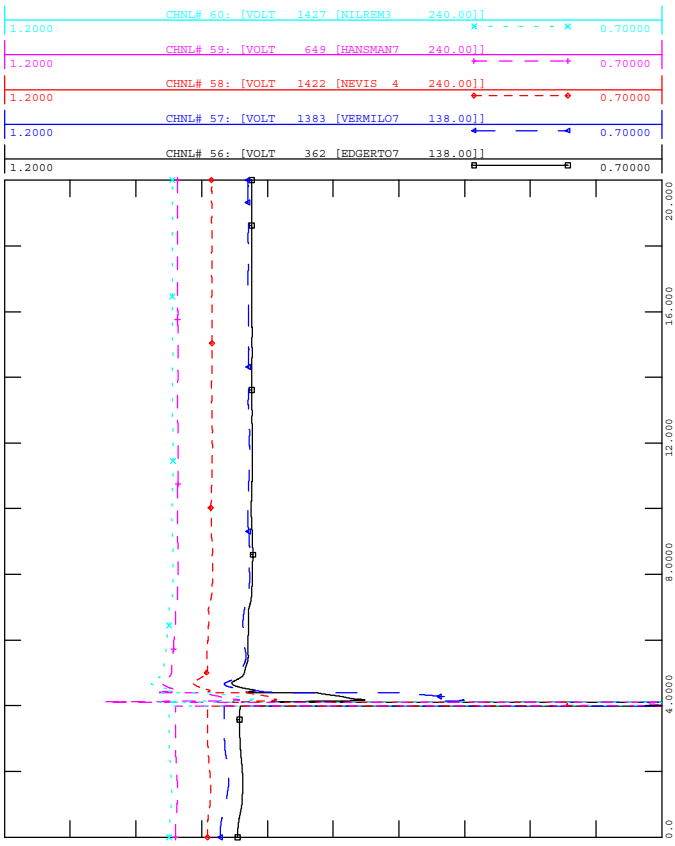
BUS VOLTAGE



NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out

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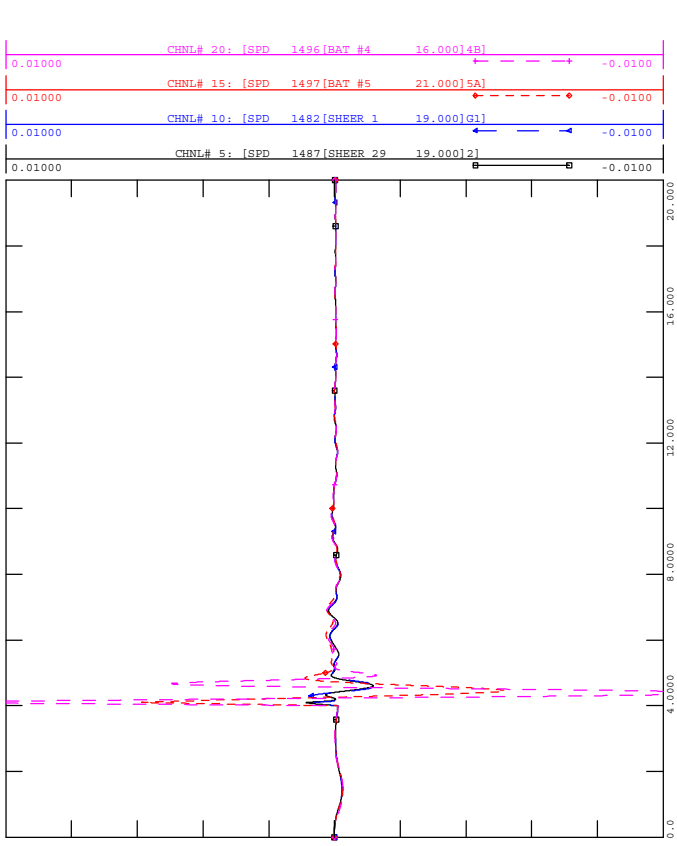
MACHINE SPEED



NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out

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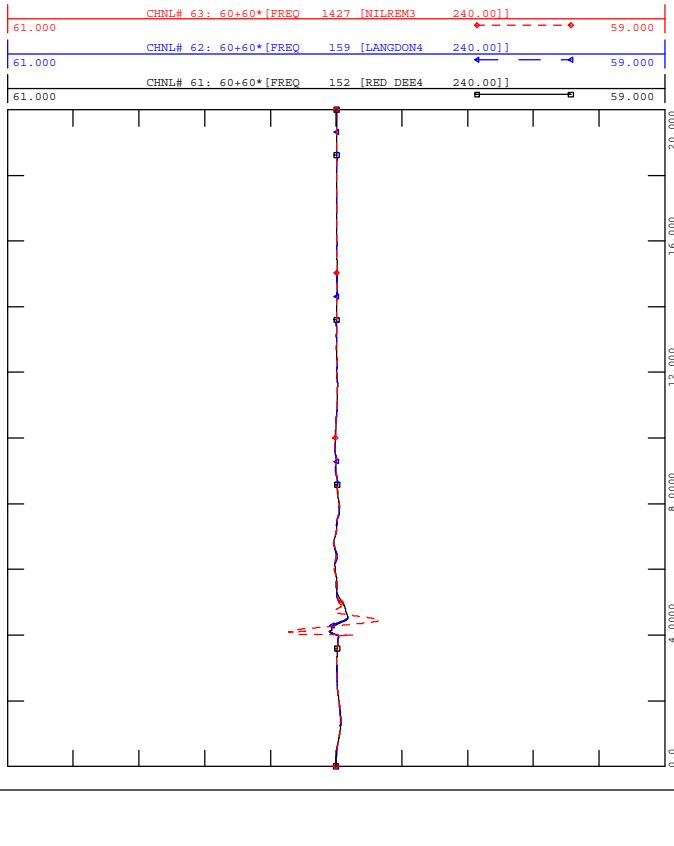
FREQUENCY



NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out

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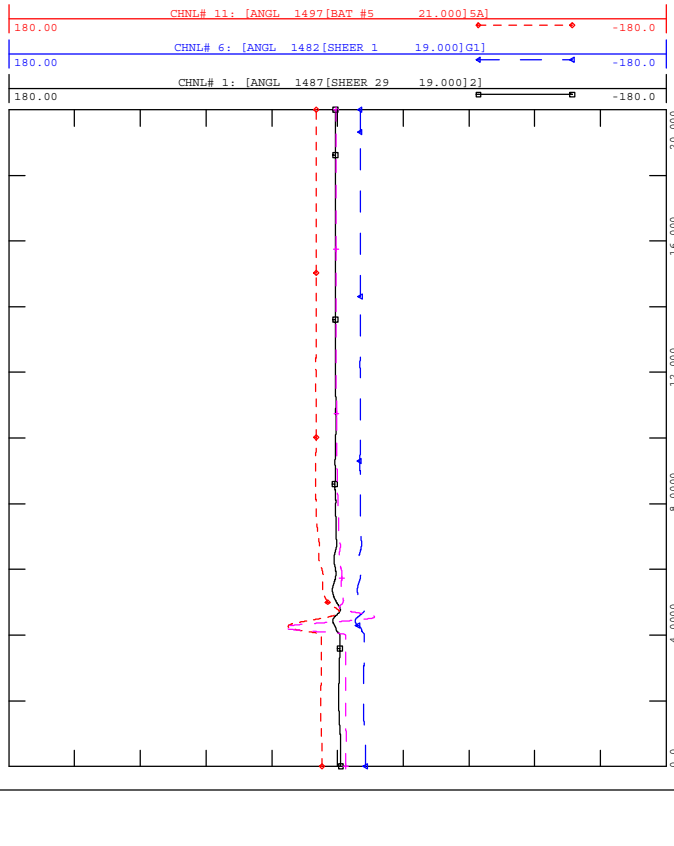
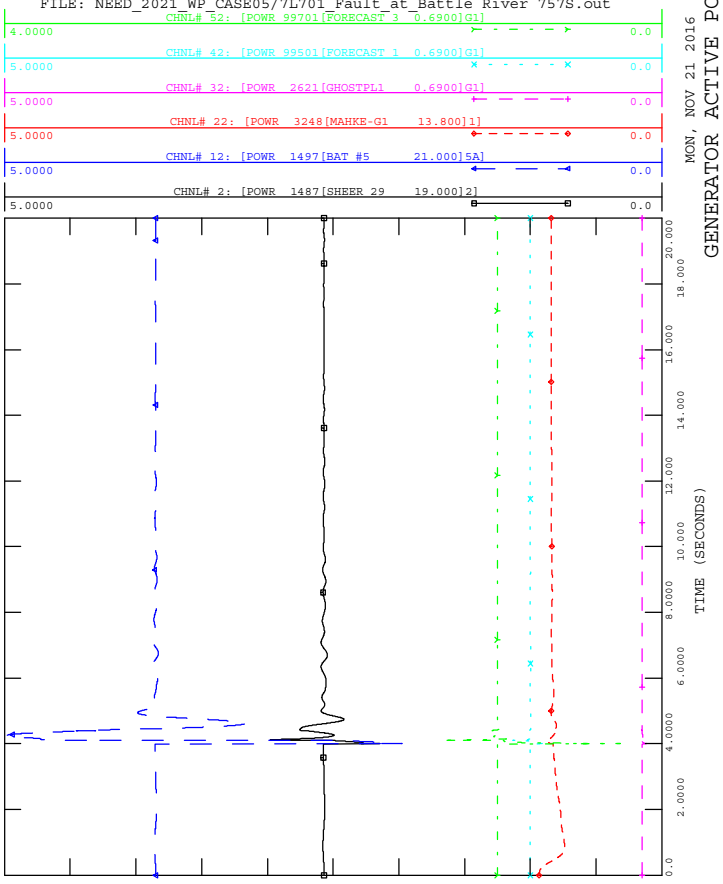
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out



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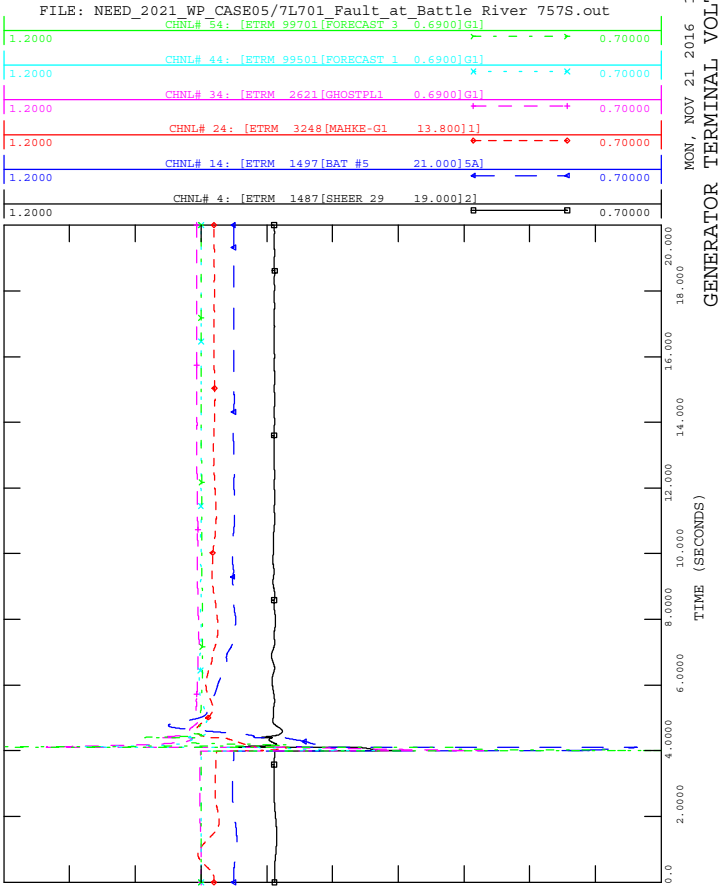
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out



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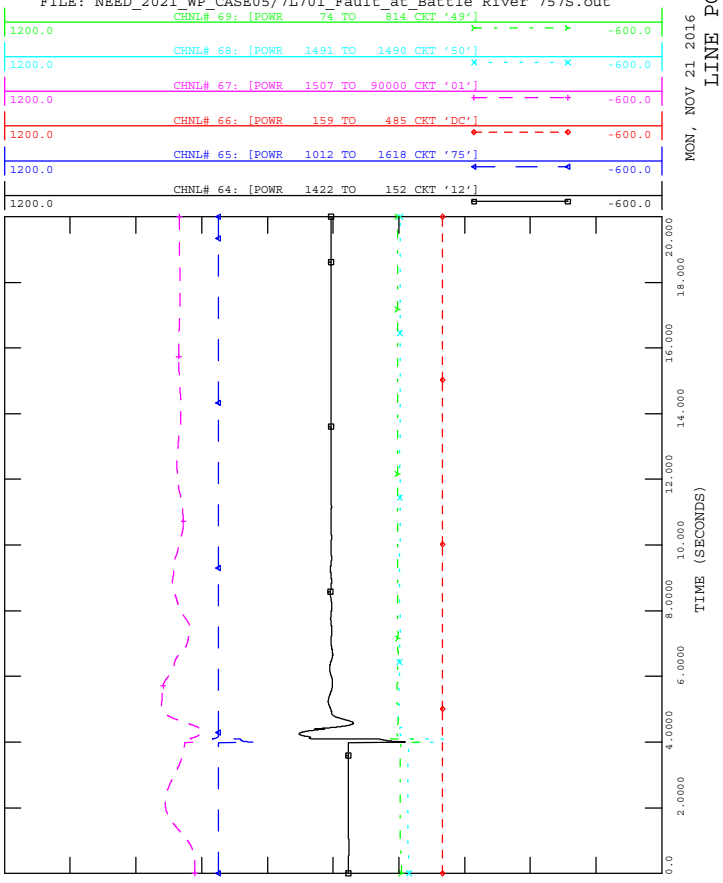
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out



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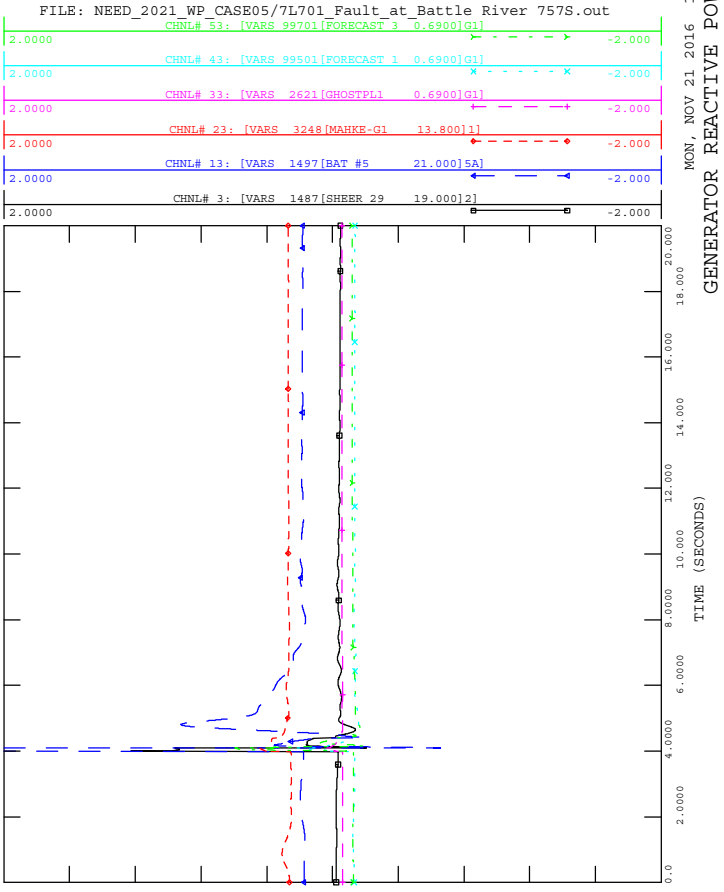
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out



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GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out

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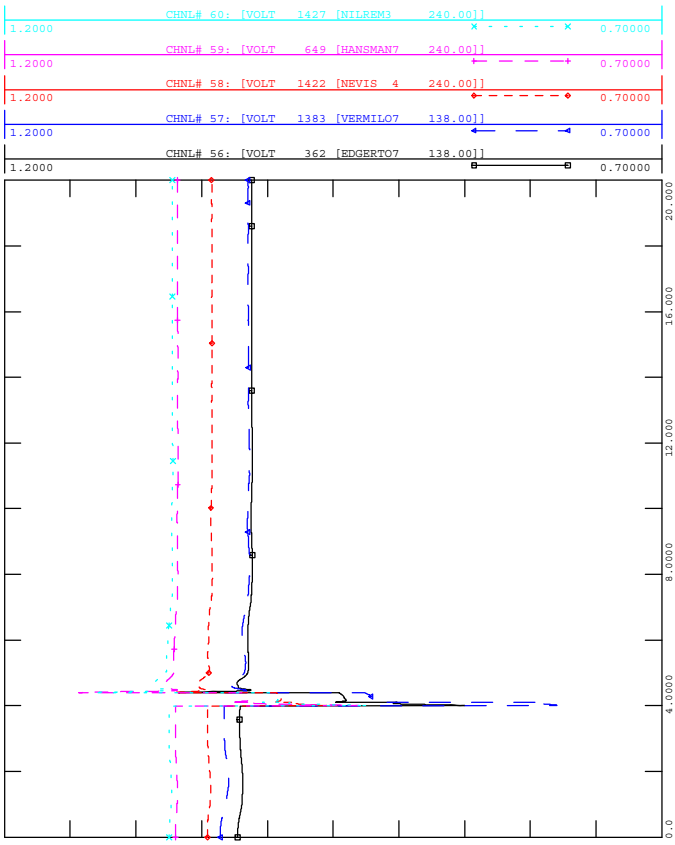
BUS VOLTAGE



NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out

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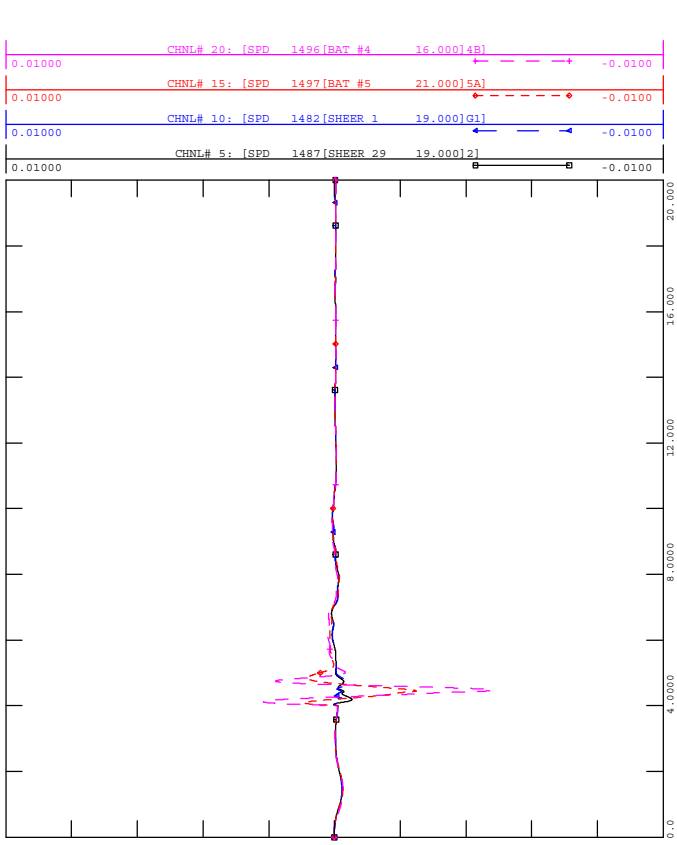
MACHINE SPEED



NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out

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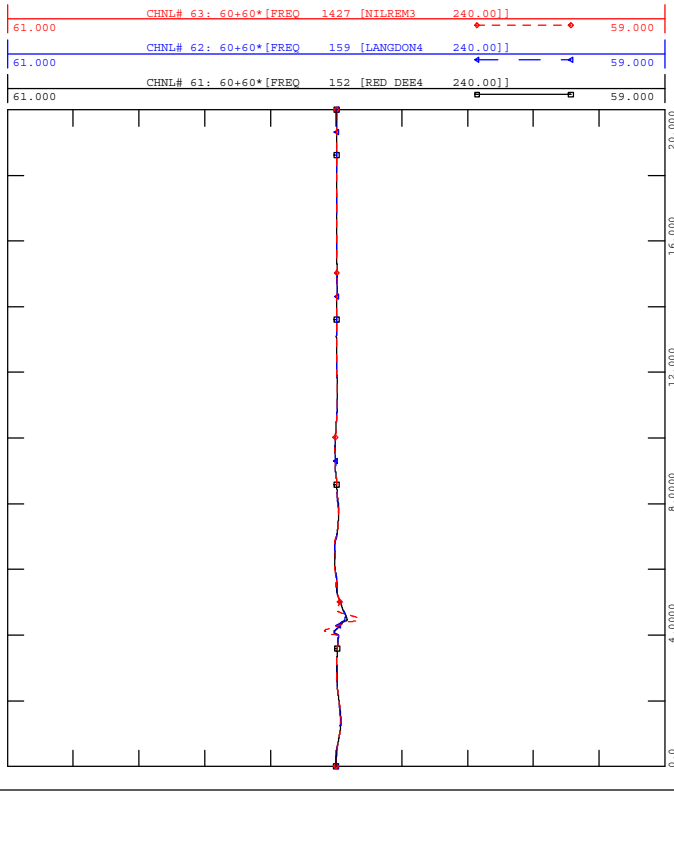
FREQUENCY



NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out

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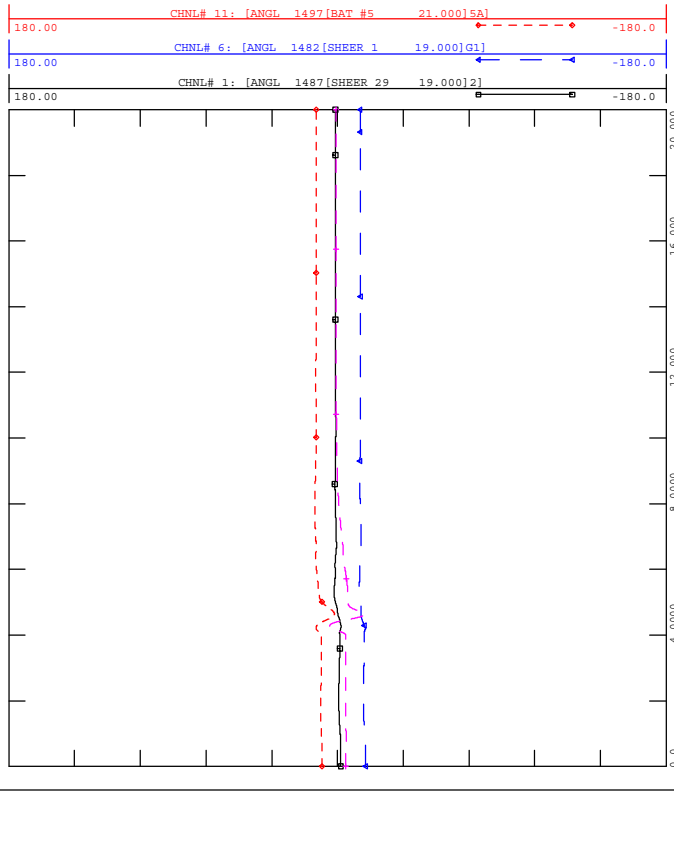
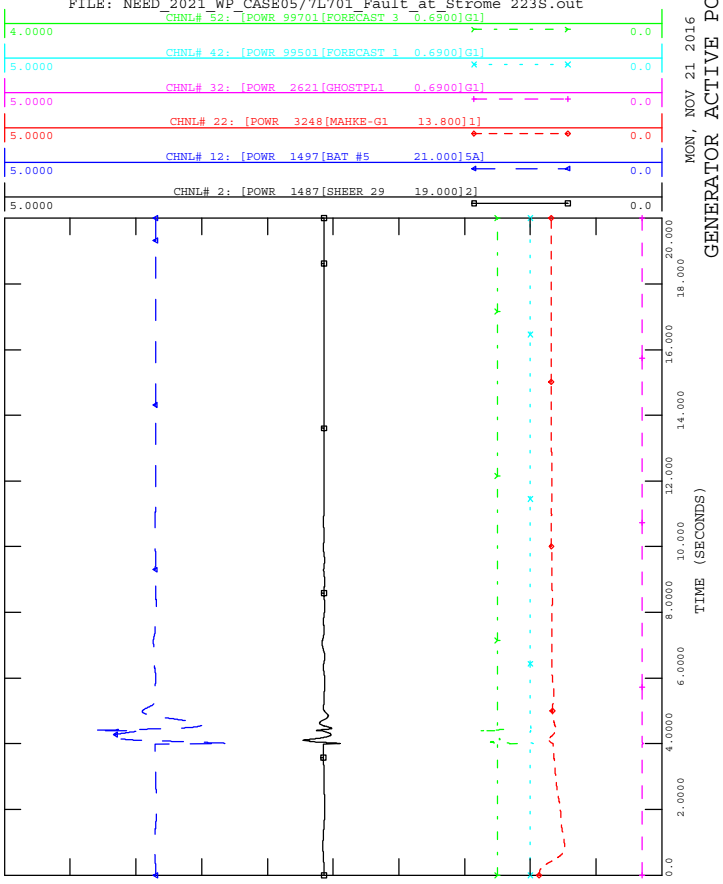
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out



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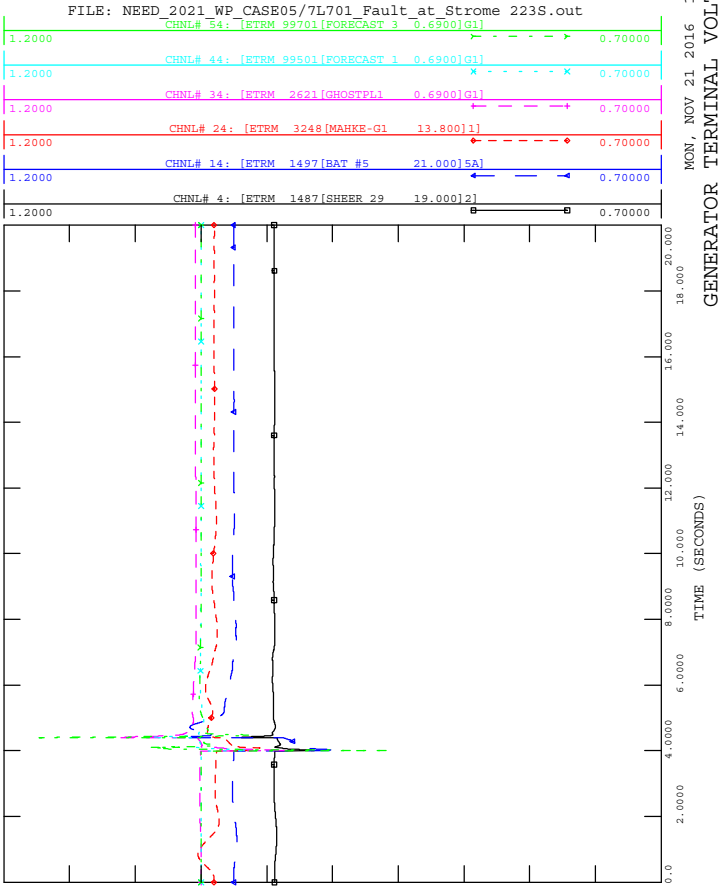
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out



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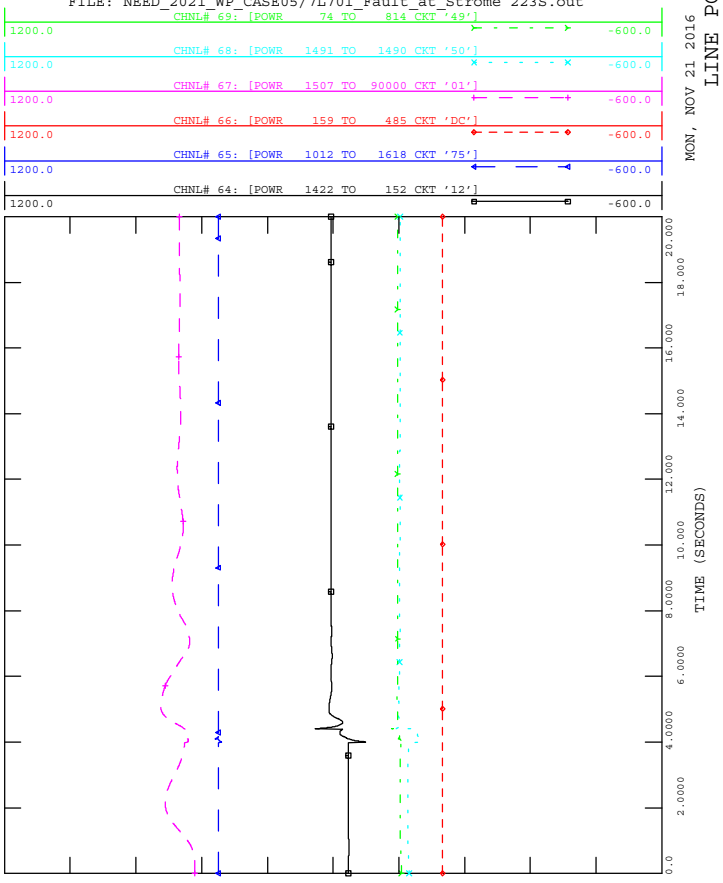
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out



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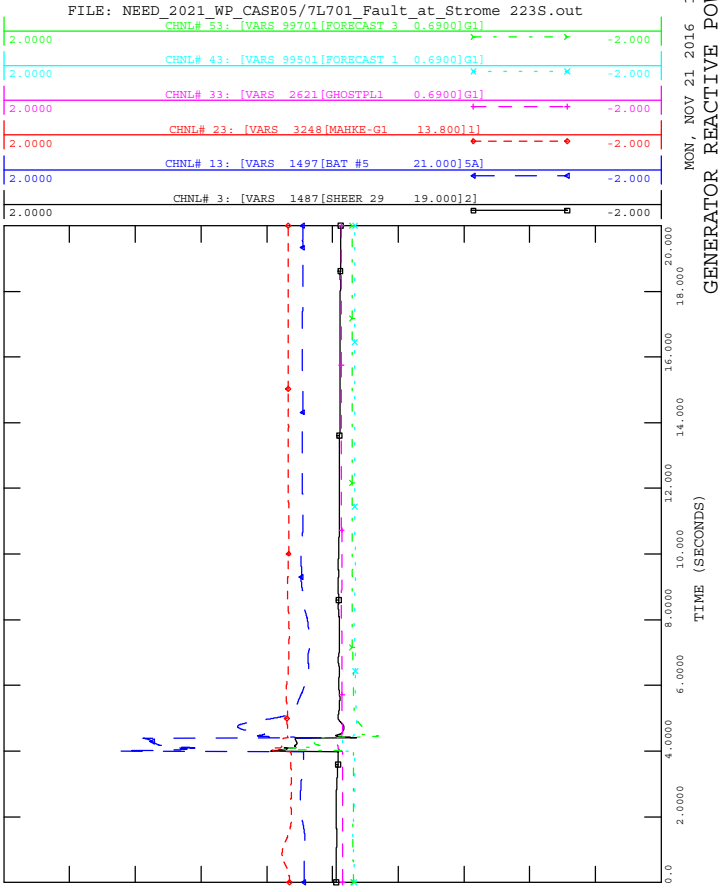
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out



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GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out

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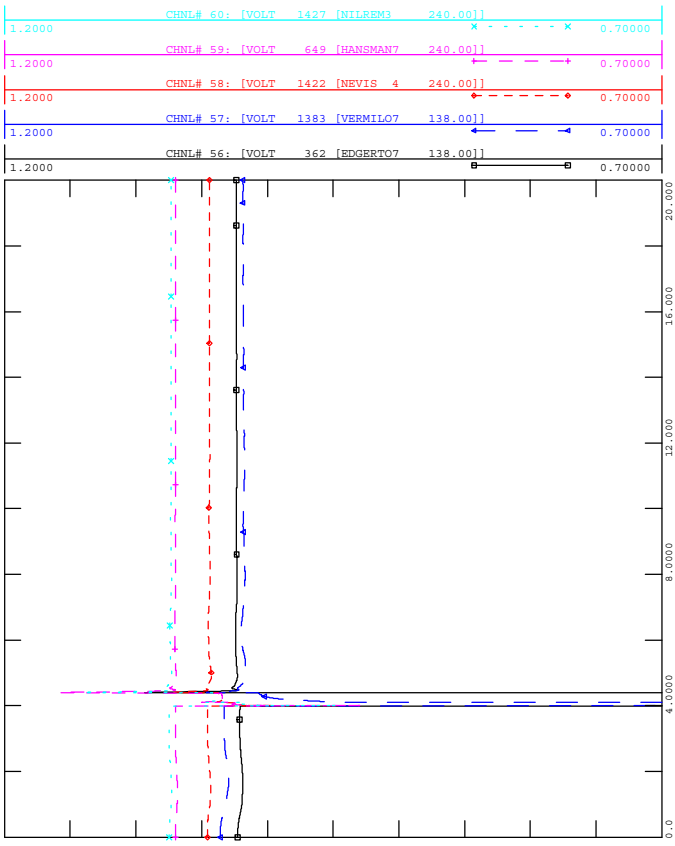
BUS VOLTAGE



NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out

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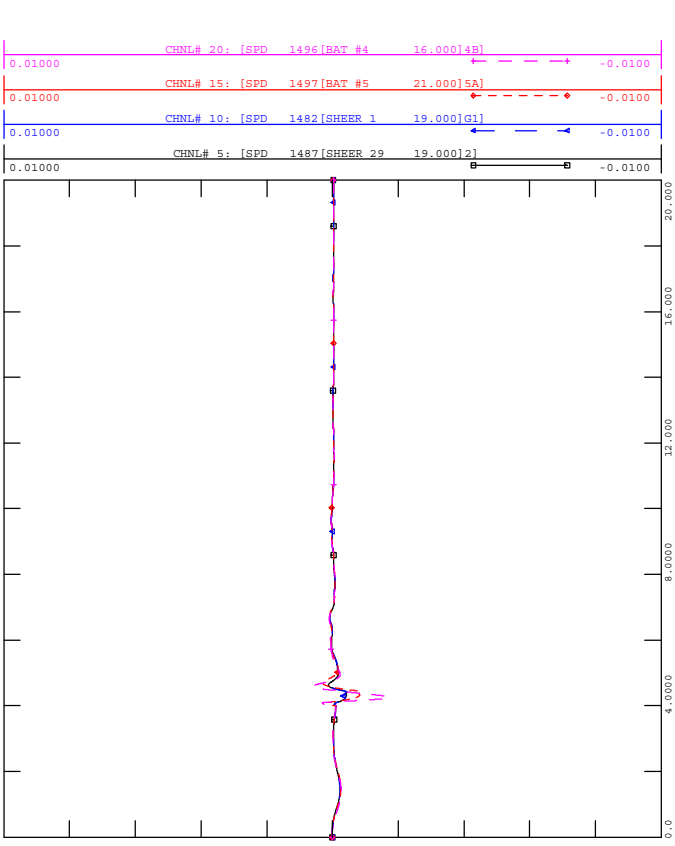
MACHINE SPEED



NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out

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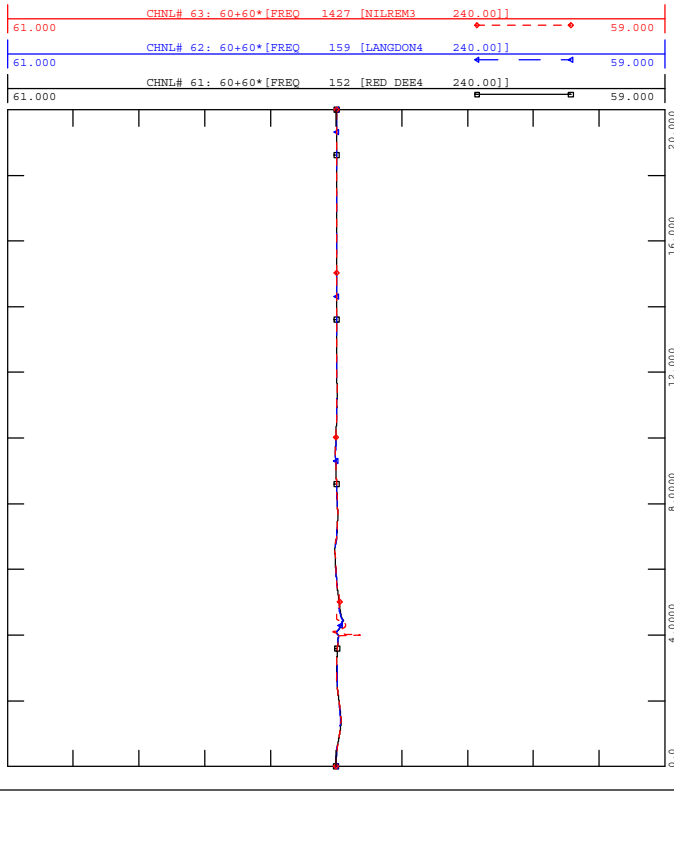
FREQUENCY



NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out

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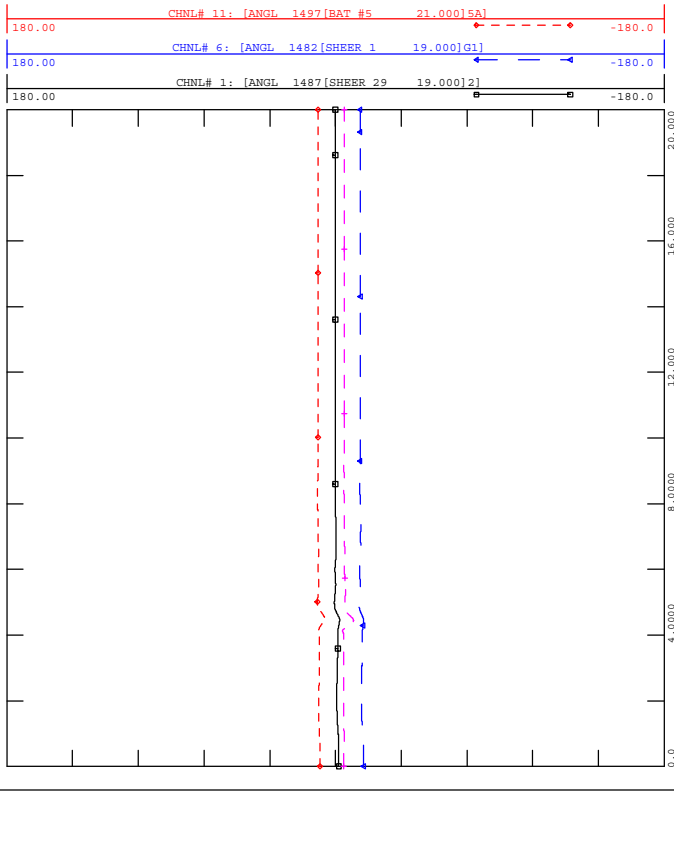
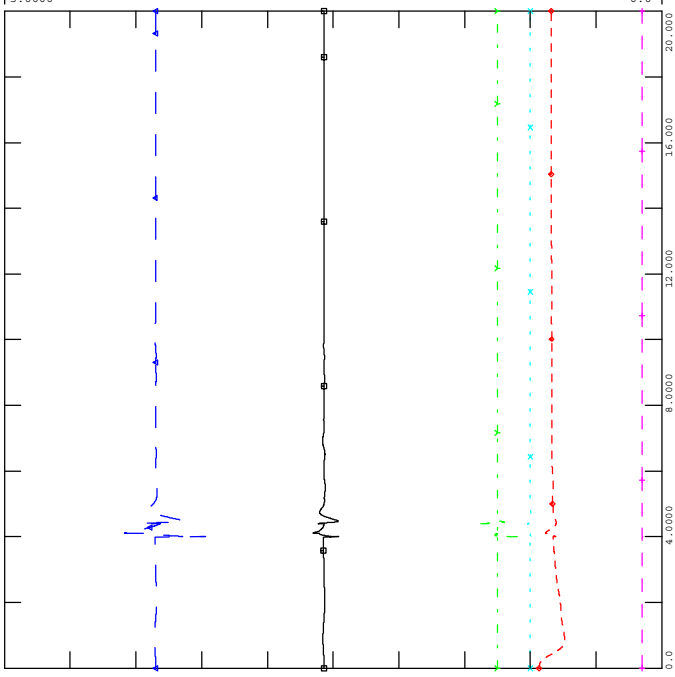
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]



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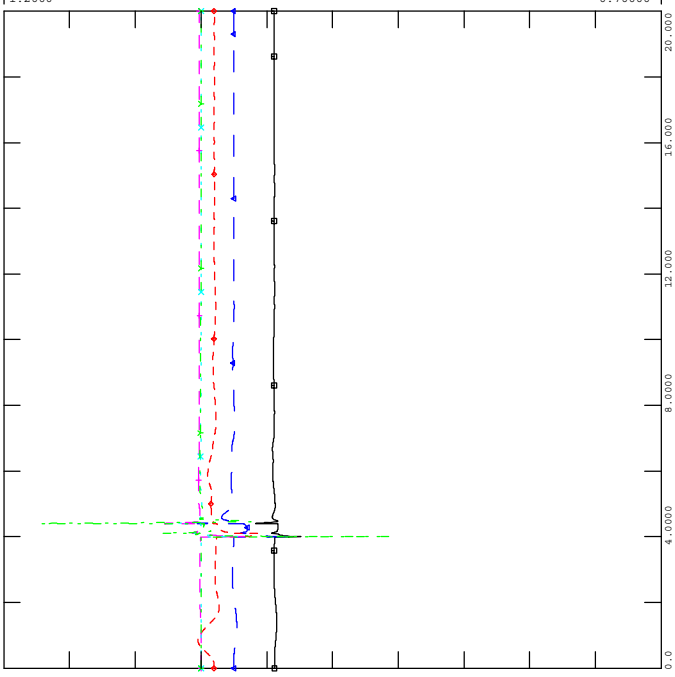
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]



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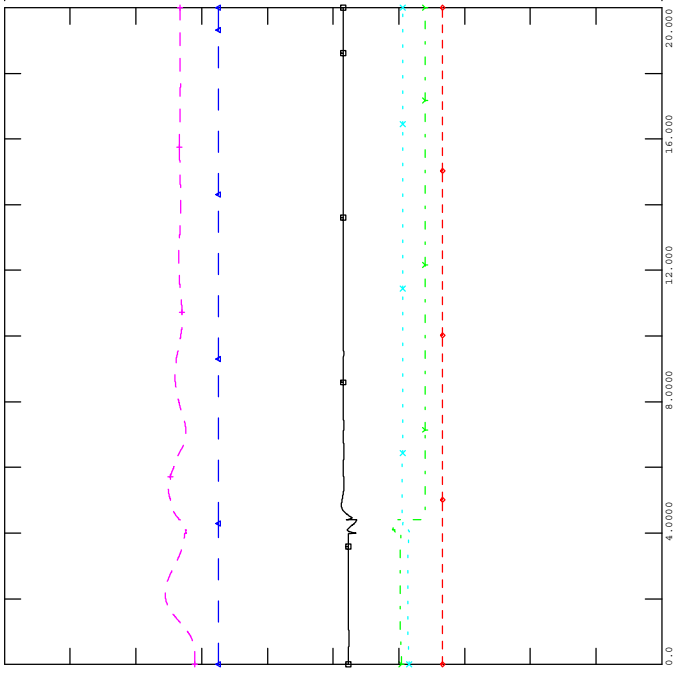
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']



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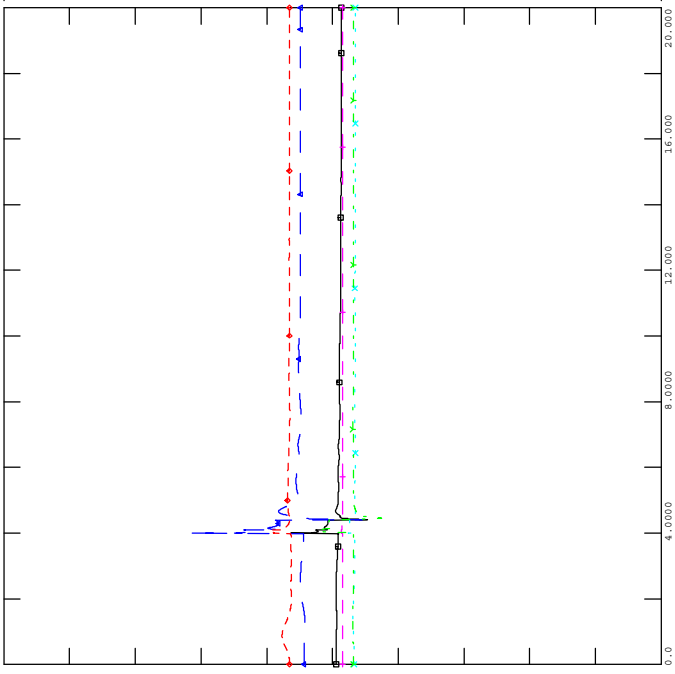
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



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GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out

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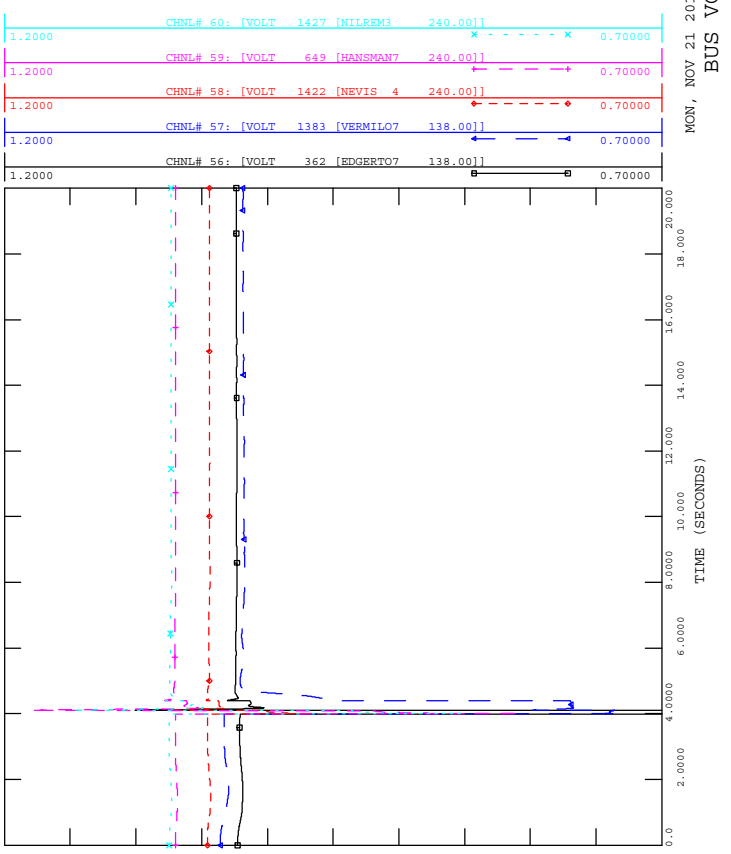
BUS VOLTAGE



NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out

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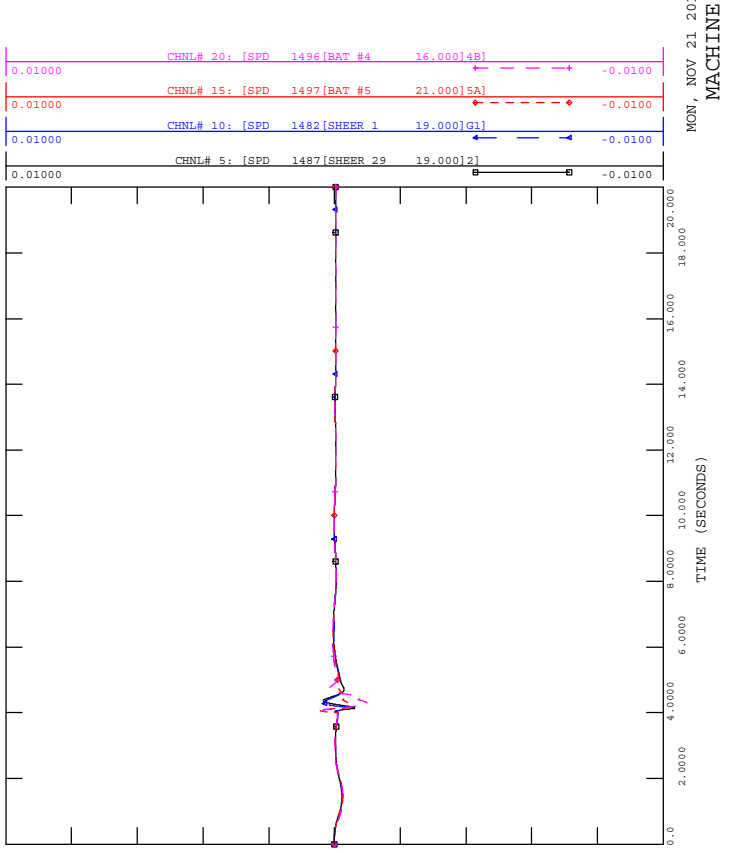
MACHINE SPEED



NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out

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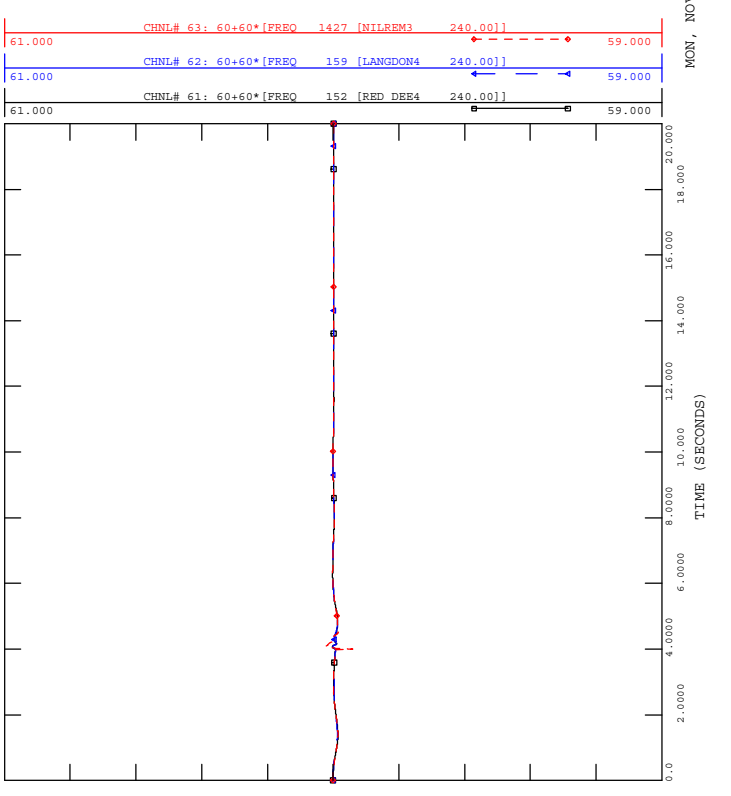
FREQUENCY



NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out

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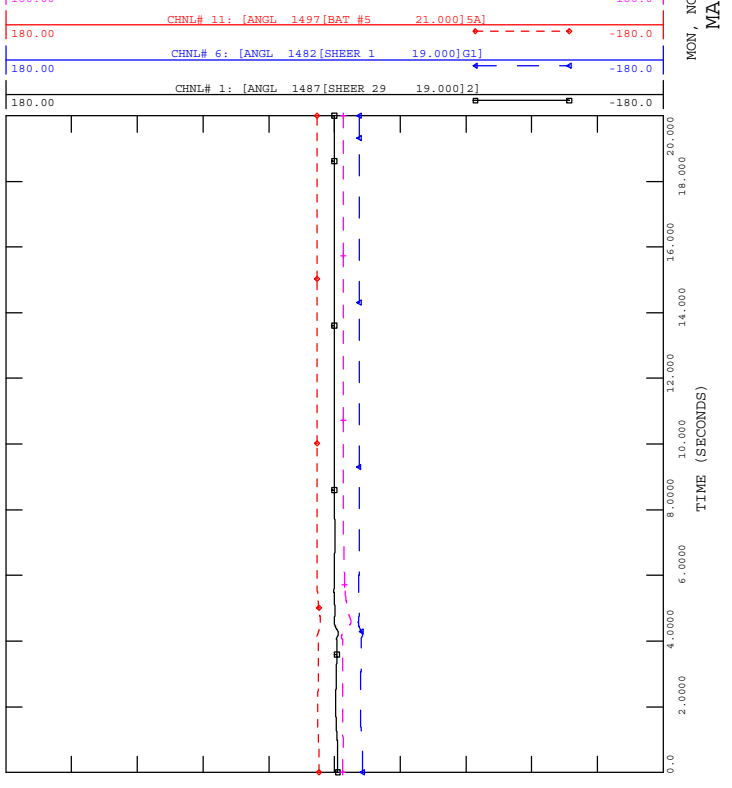
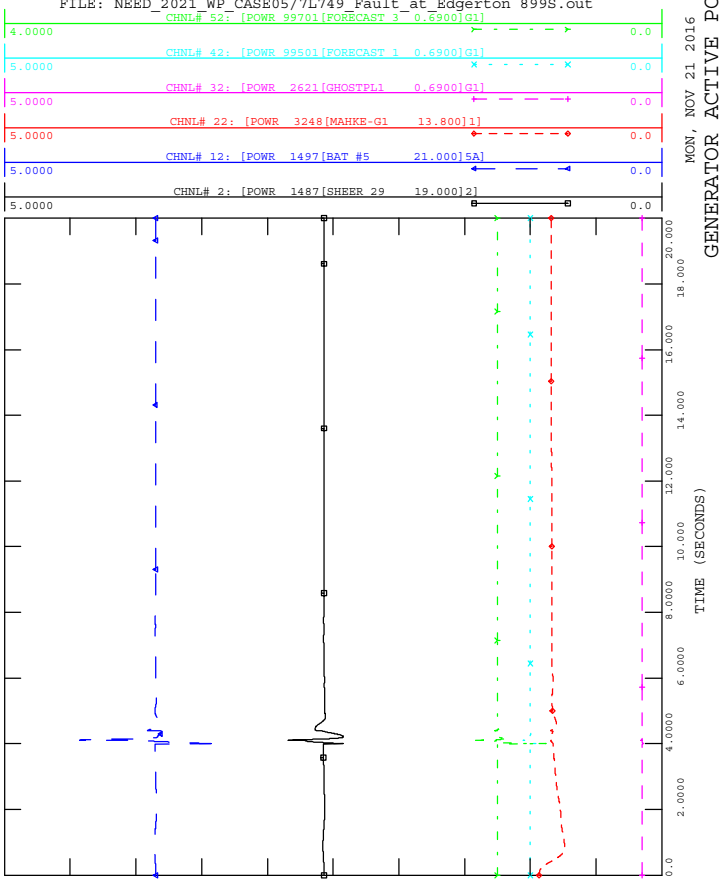
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out



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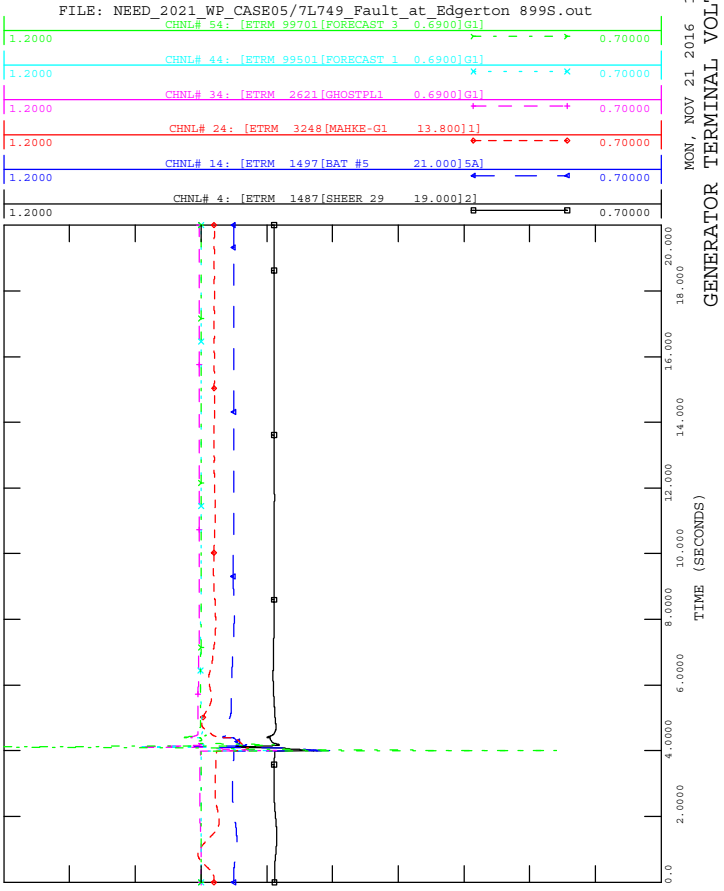
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out



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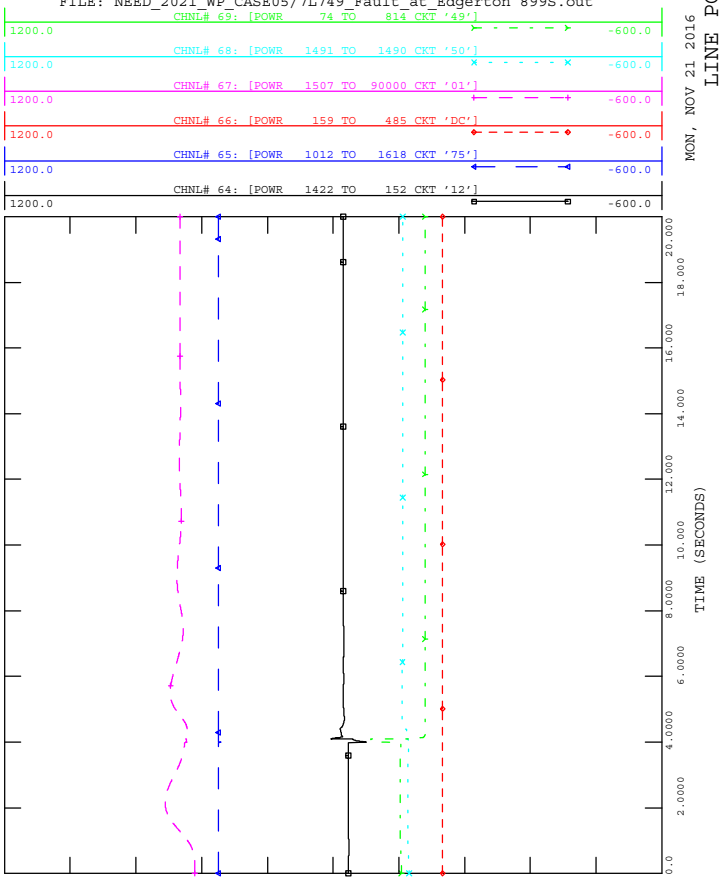
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out



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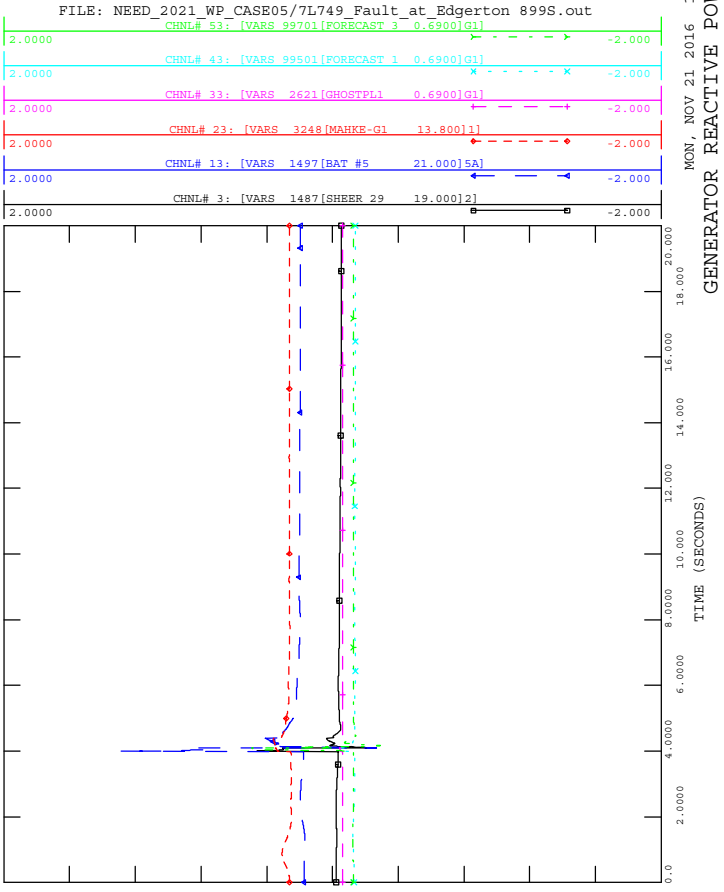
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out



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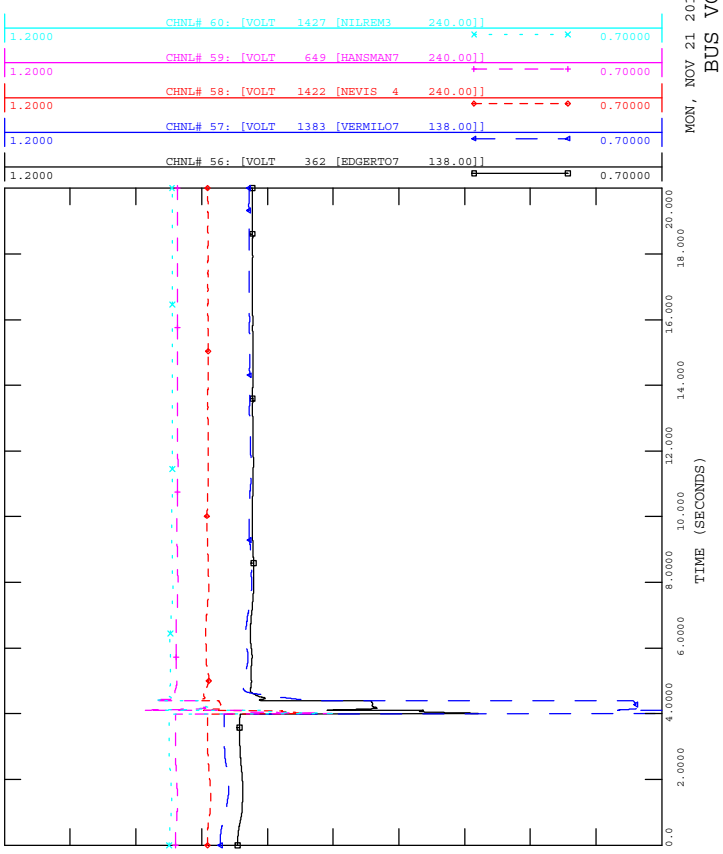
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/7L77_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

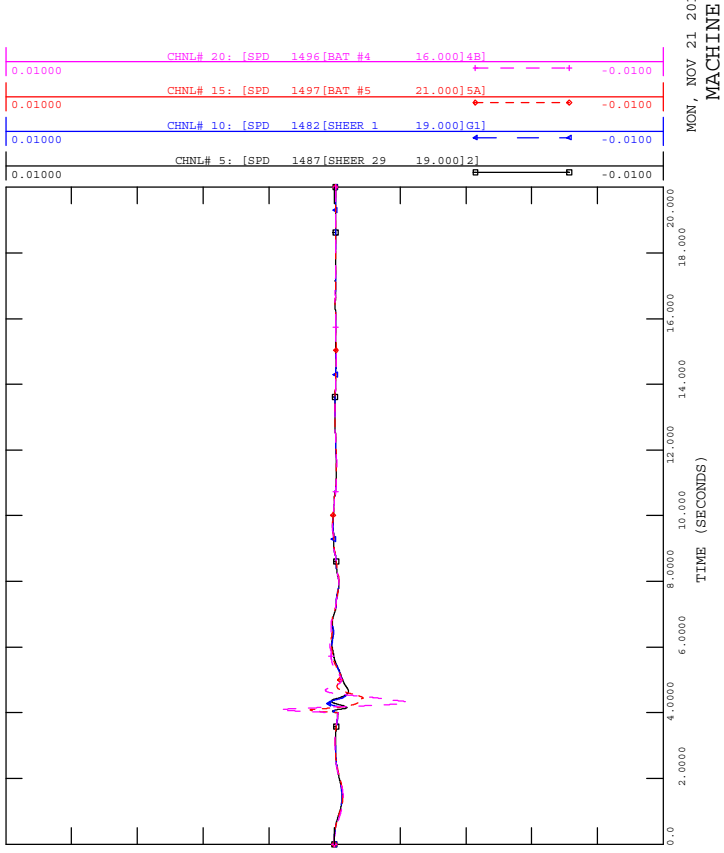


NEED_2021_WP_CASE05
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/7L77_Fault_at_North Holden 395S.out

MON, NOV 21 2016 13:35

MACHINE SPEED



NEED_2021_WP_CASE05
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

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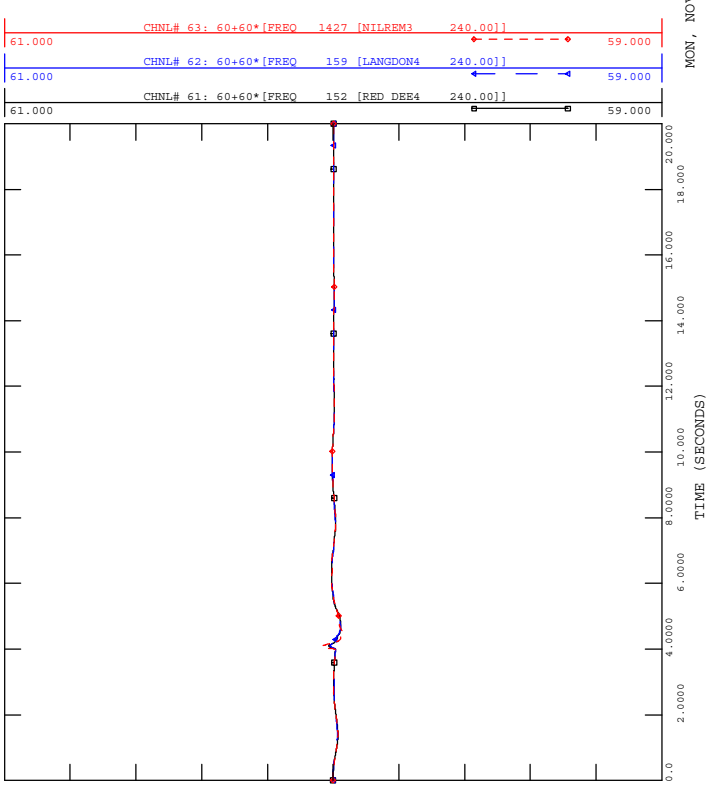
MON, NOV 21 2016 13:35

FREQUENCY



NEED_2021_WP_CASE05
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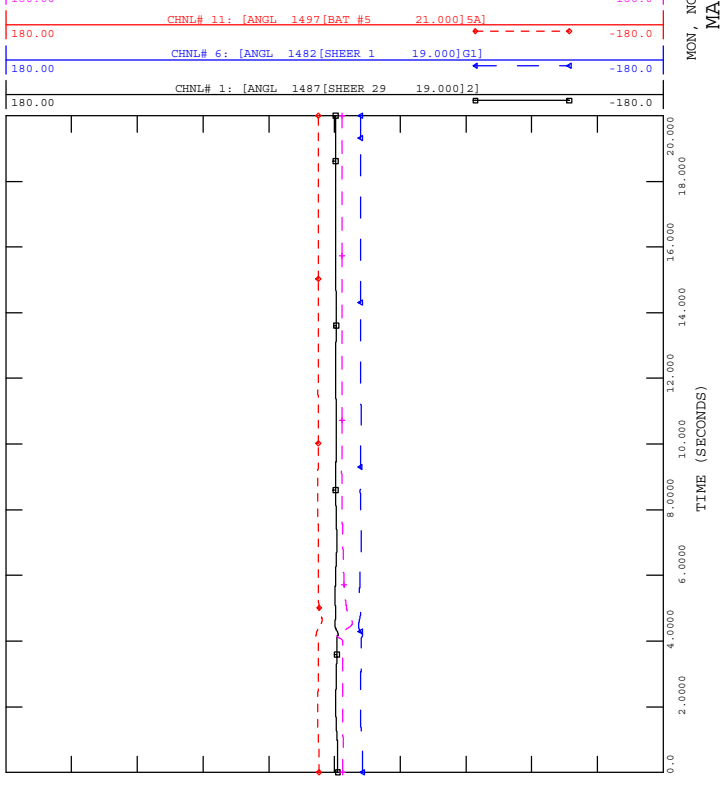
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/7L77_Fault_at_North Holden 395S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
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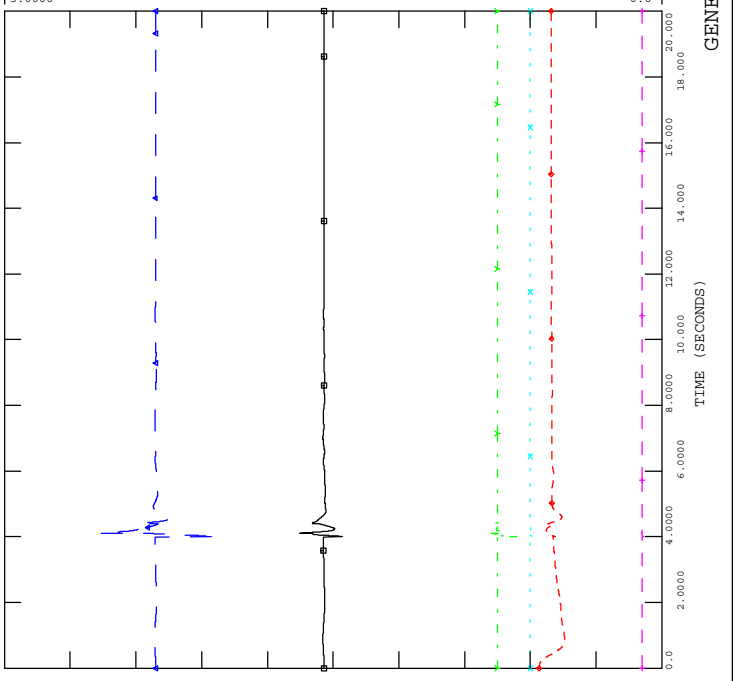
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

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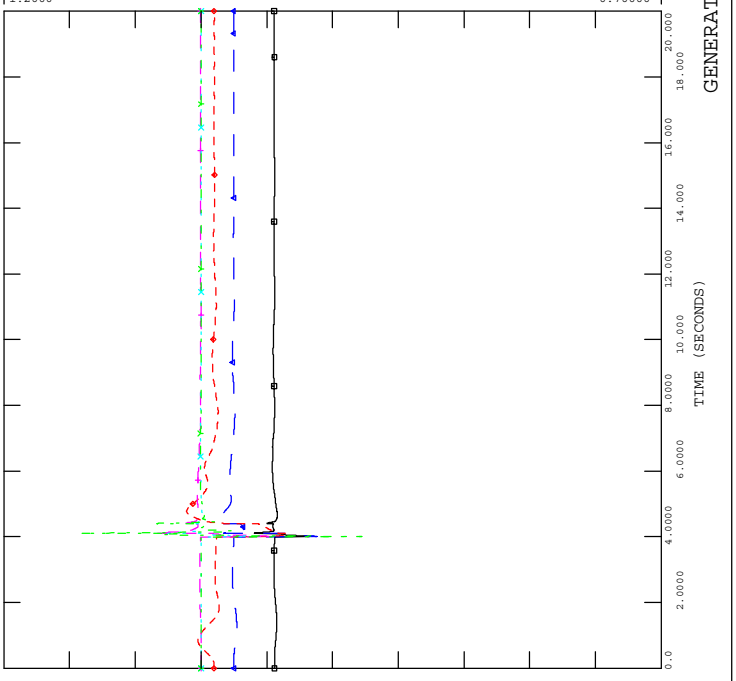

MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/7L77_Fault_at_North Holden 395S.out

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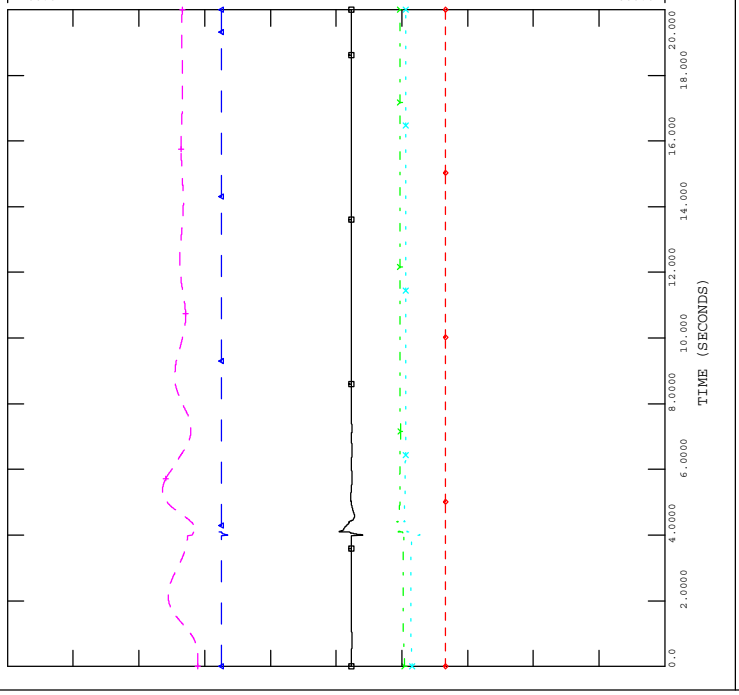
CHNL# 64: [POWR 1422 TO 152 CKT '12']



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

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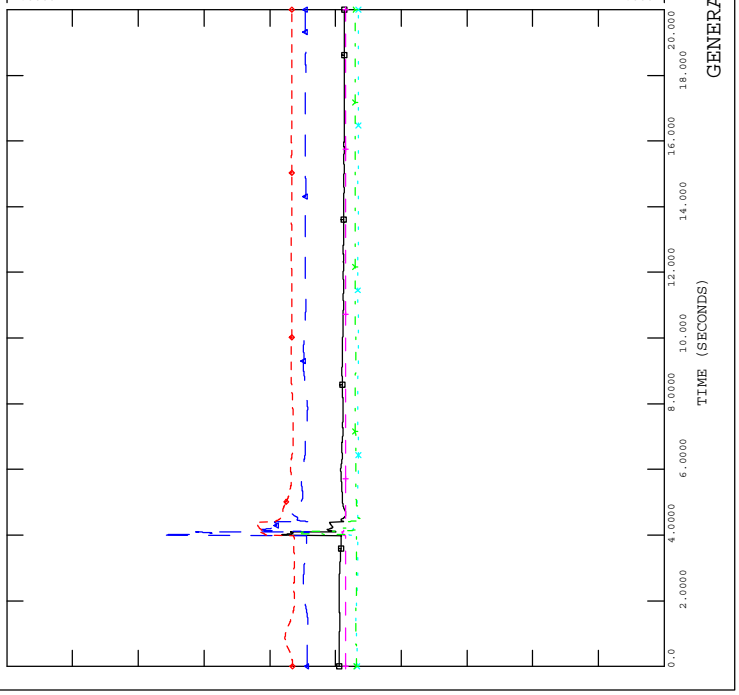


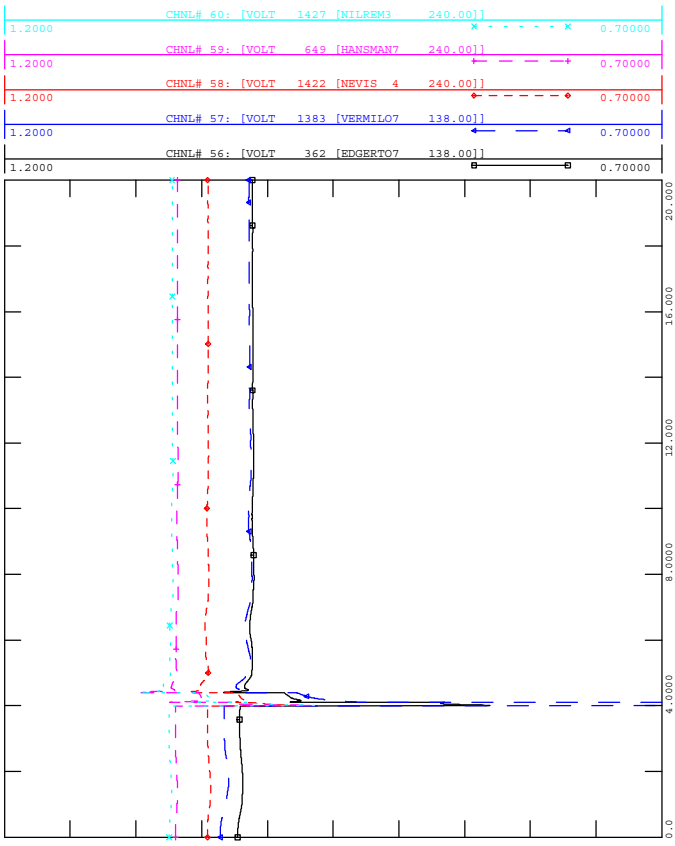
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L77_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

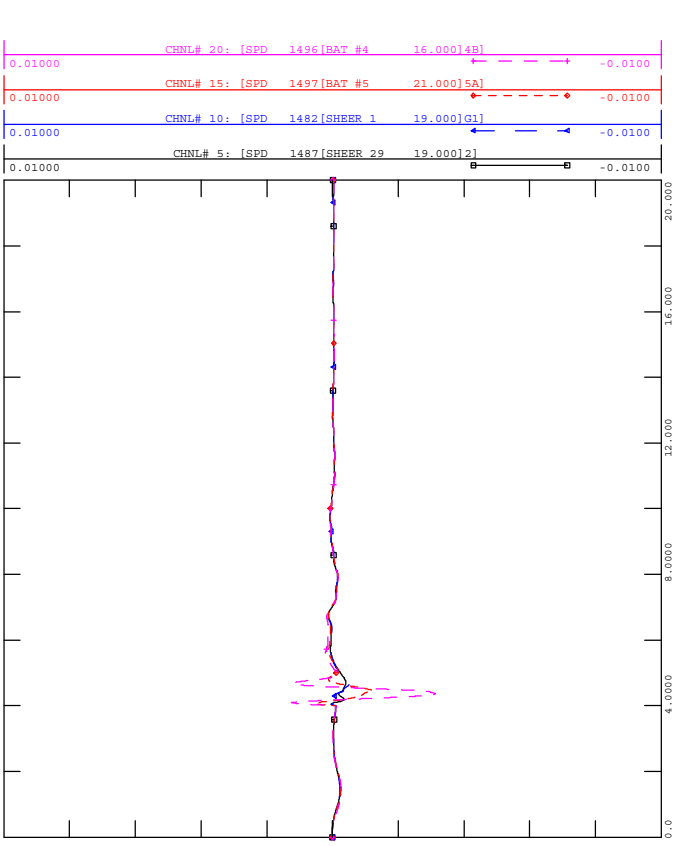


NEED_2021_WP_CASE05
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L77_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 13:35

MACHINE SPEED



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CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

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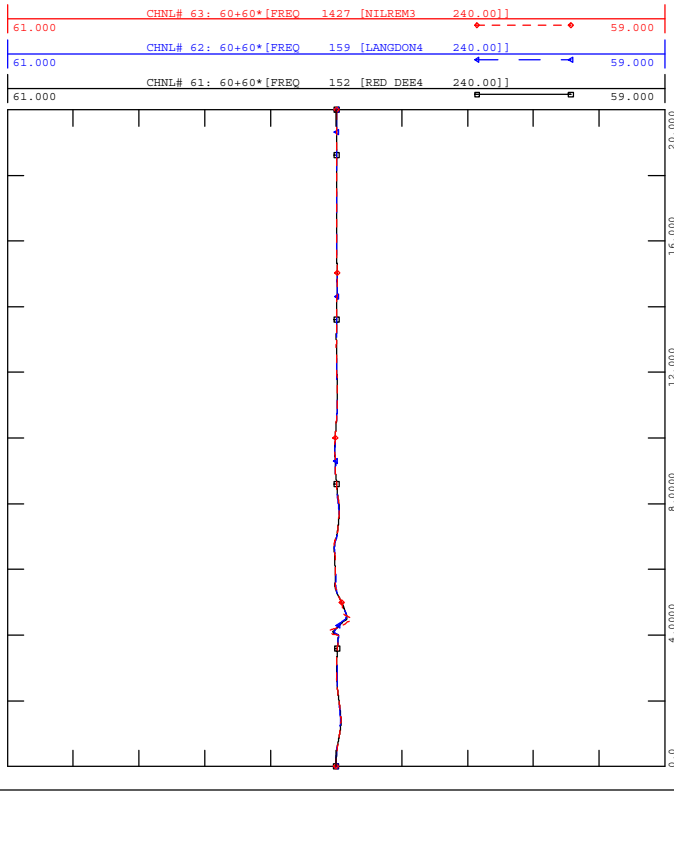
MON, NOV 21 2016 13:35

FREQUENCY



NEED_2021_WP_CASE05
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

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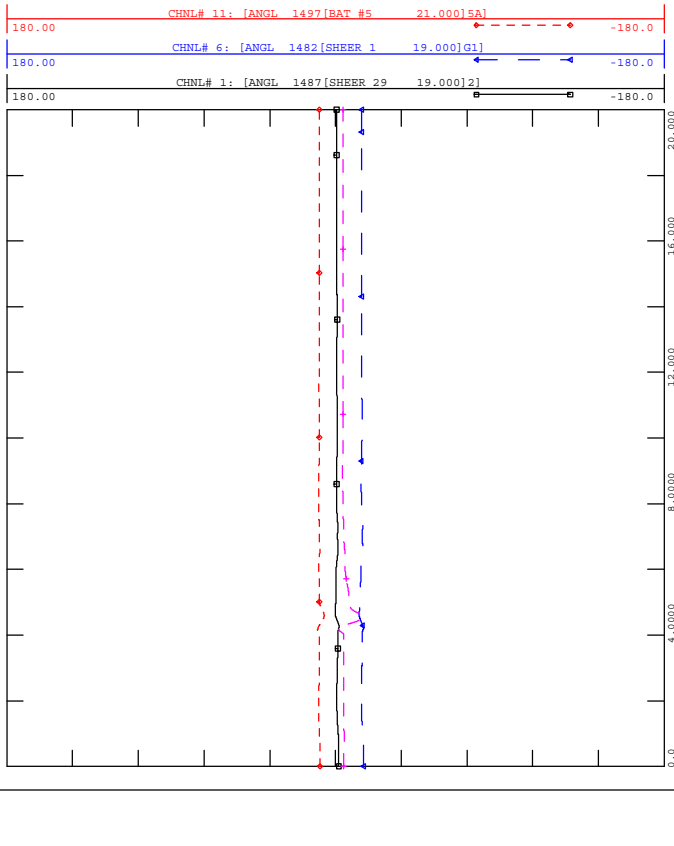
MON, NOV 21 2016 13:35

MACHINE ANGEL



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CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

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GENERATOR ACTIVE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

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GENERATOR TERMINAL VOLTAG

MON, NOV 21 2016 13:35

TIME (SECONDS)

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LINE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
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GENERATOR REACTIVE POWER

MON, NOV 21 2016 13:35

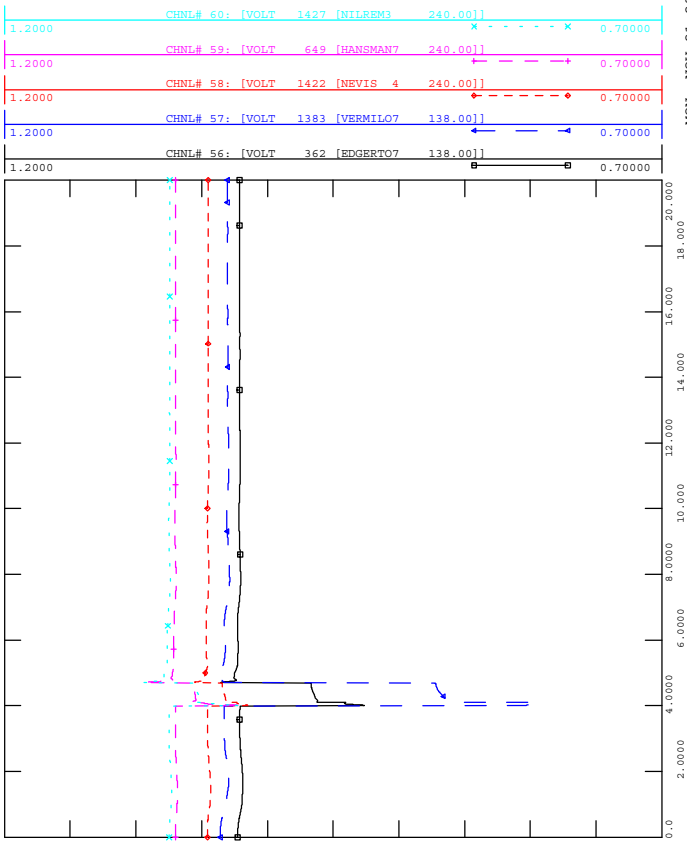
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Whitby Lake 819S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE



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CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

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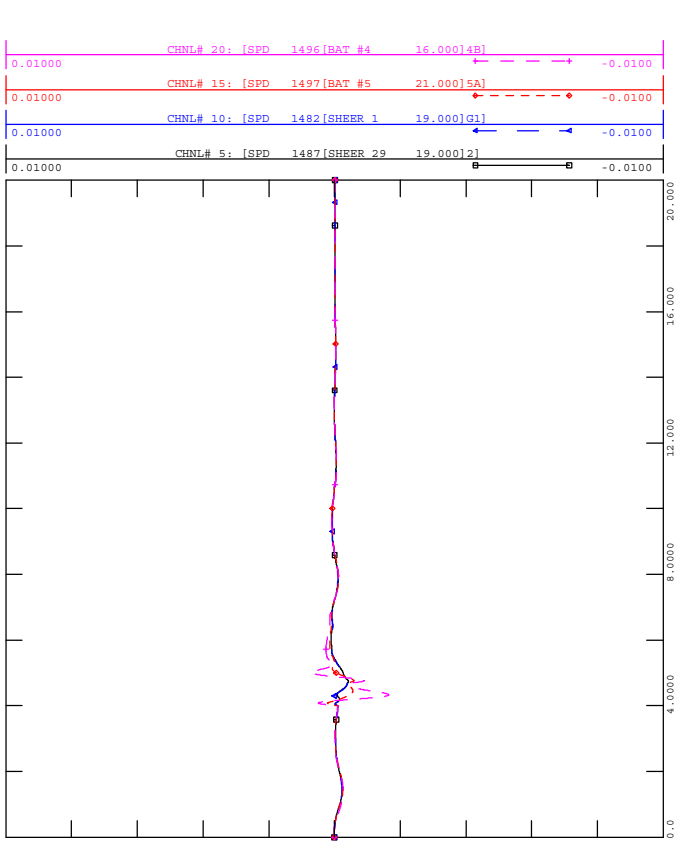
MACHINE SPEED



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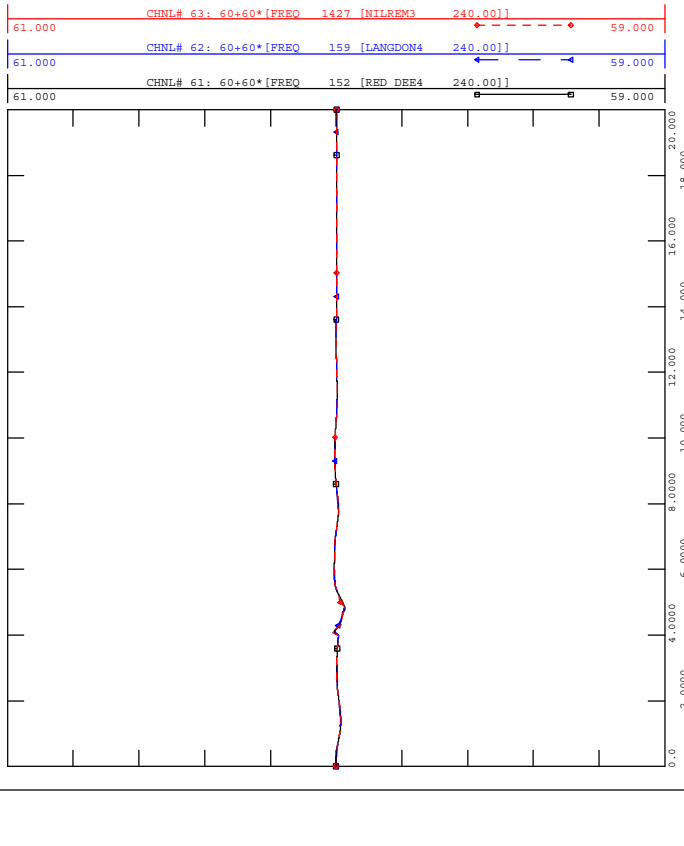
FREQUENCY



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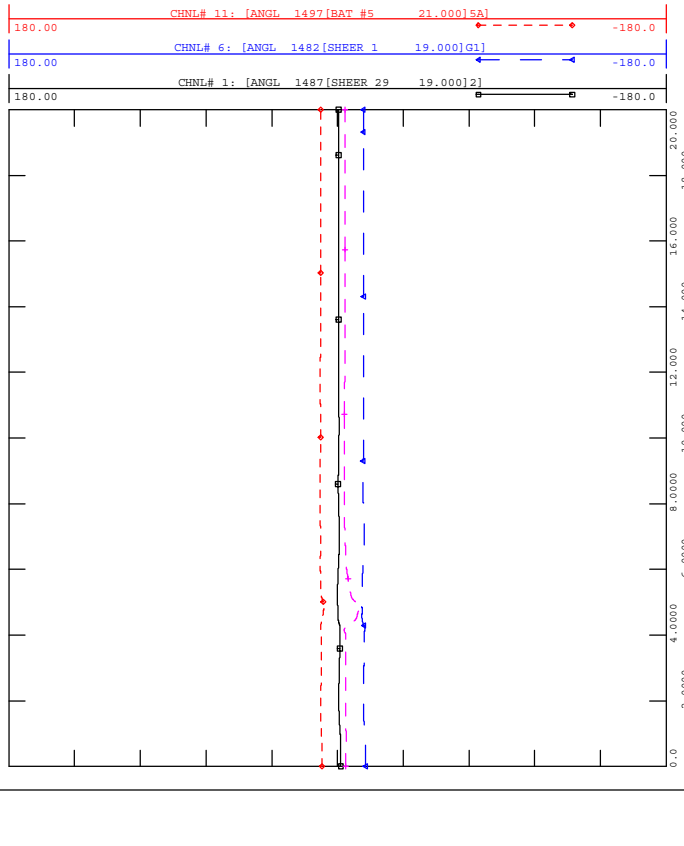
MACHINE ANGEL



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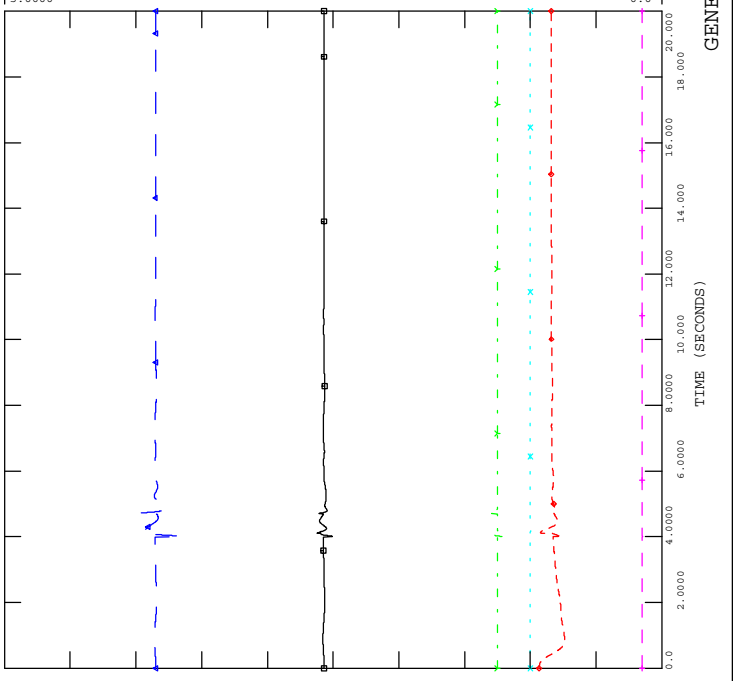

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GENERATOR ACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
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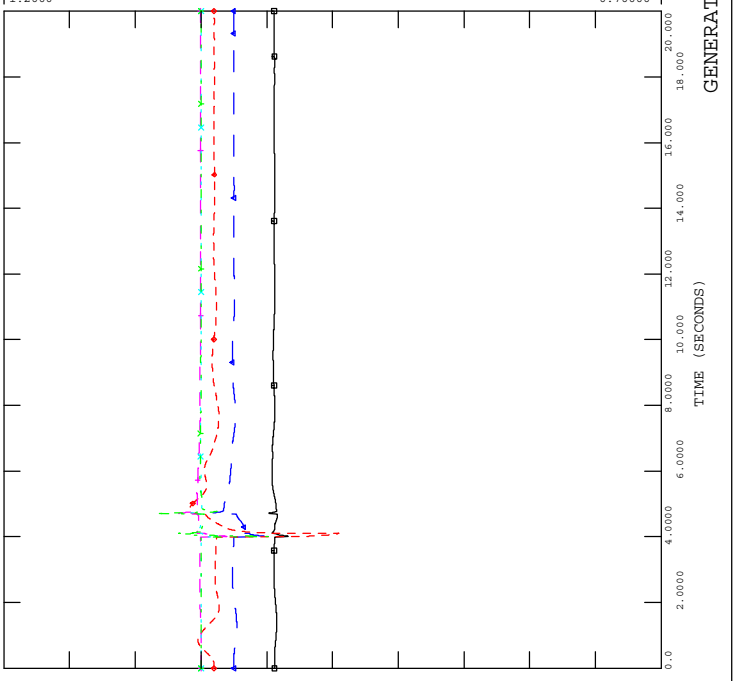

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GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

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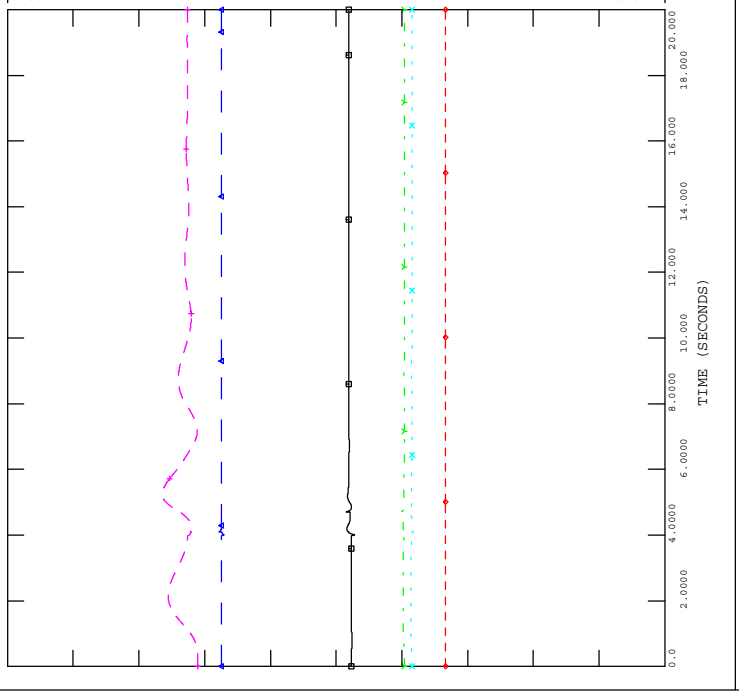

MON, NOV 21 2016 13:35
LINE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

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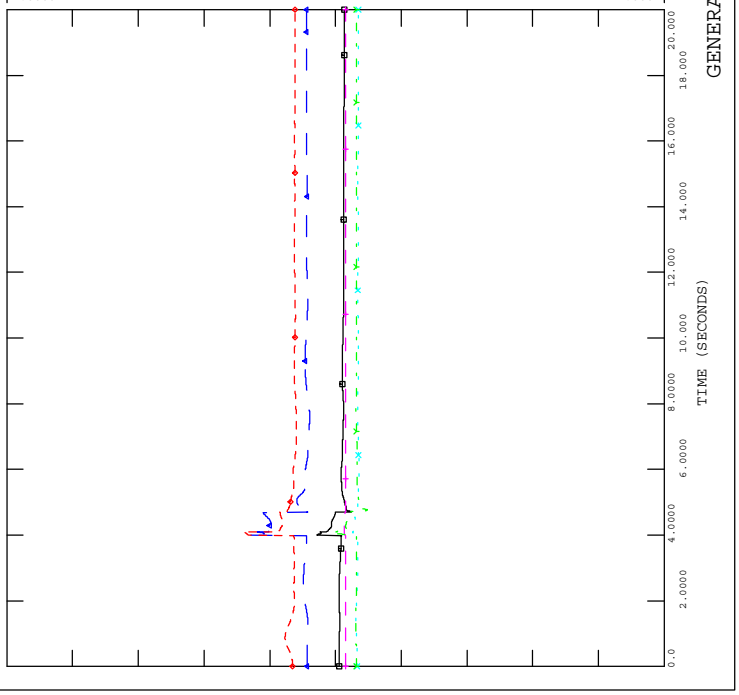

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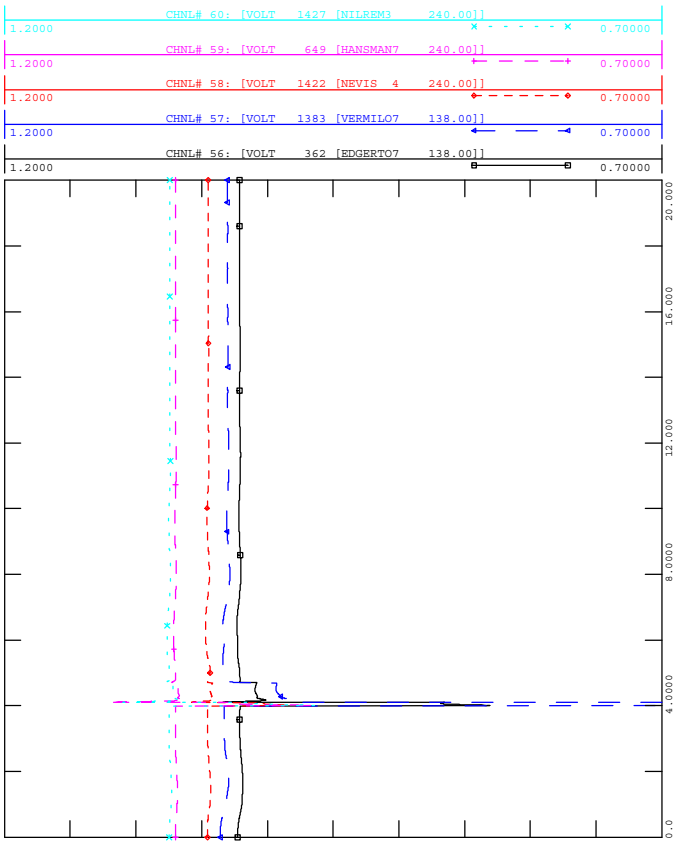
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE



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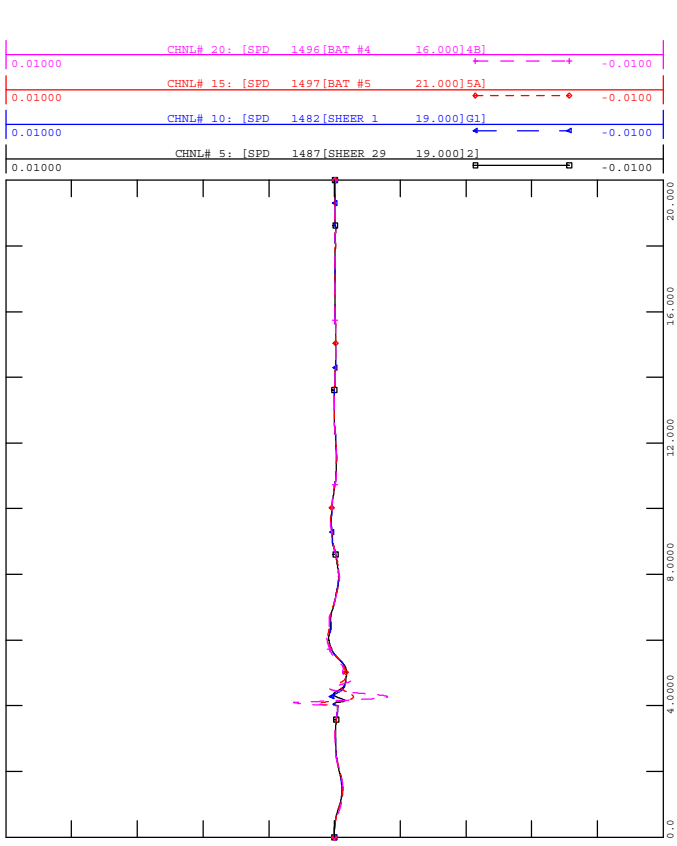
MACHINE SPEED



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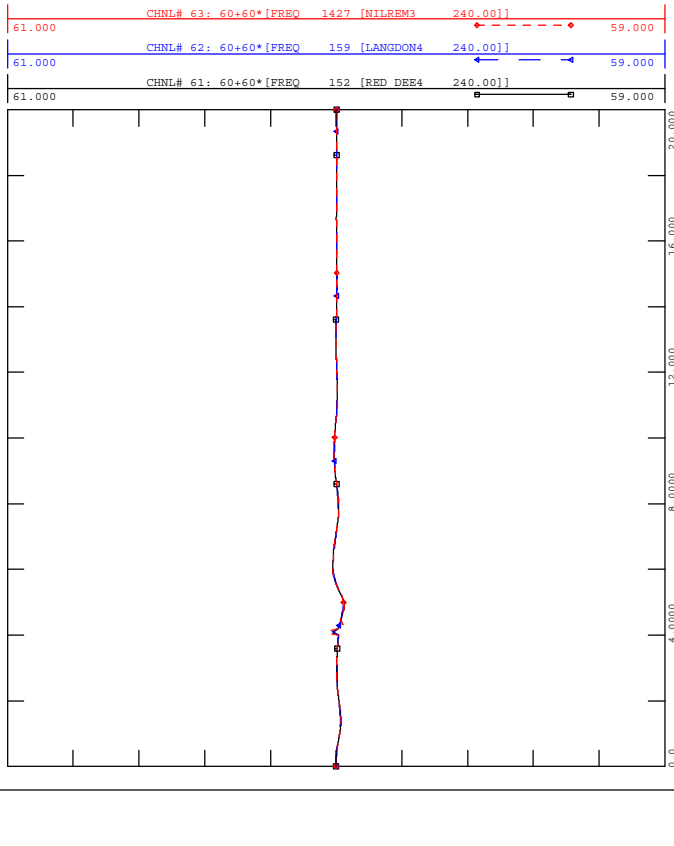

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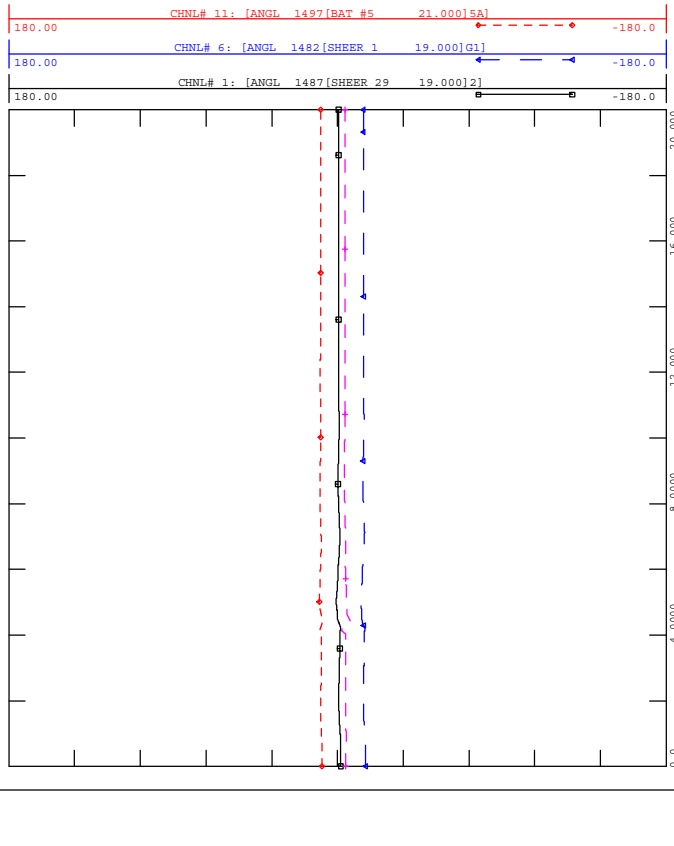
MACHINE ANGEL



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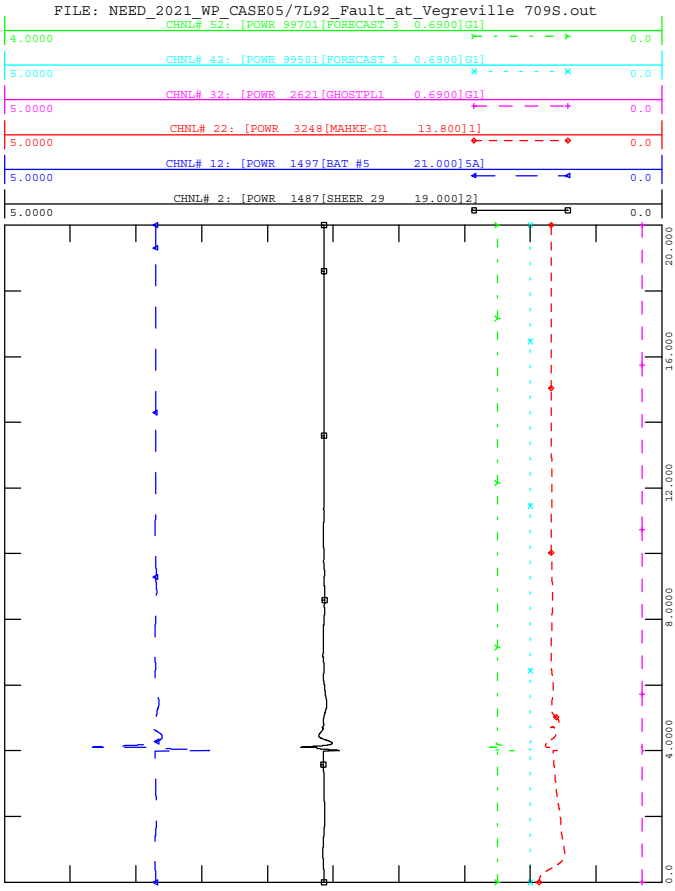

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GENERATOR ACTIVE POWER

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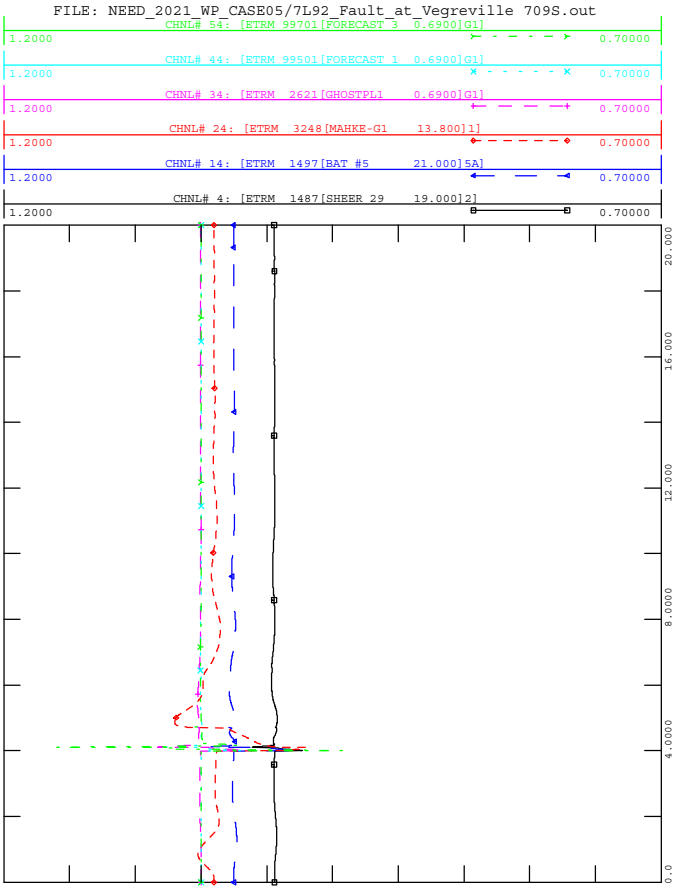

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GENERATOR TERMINAL VOLTAG

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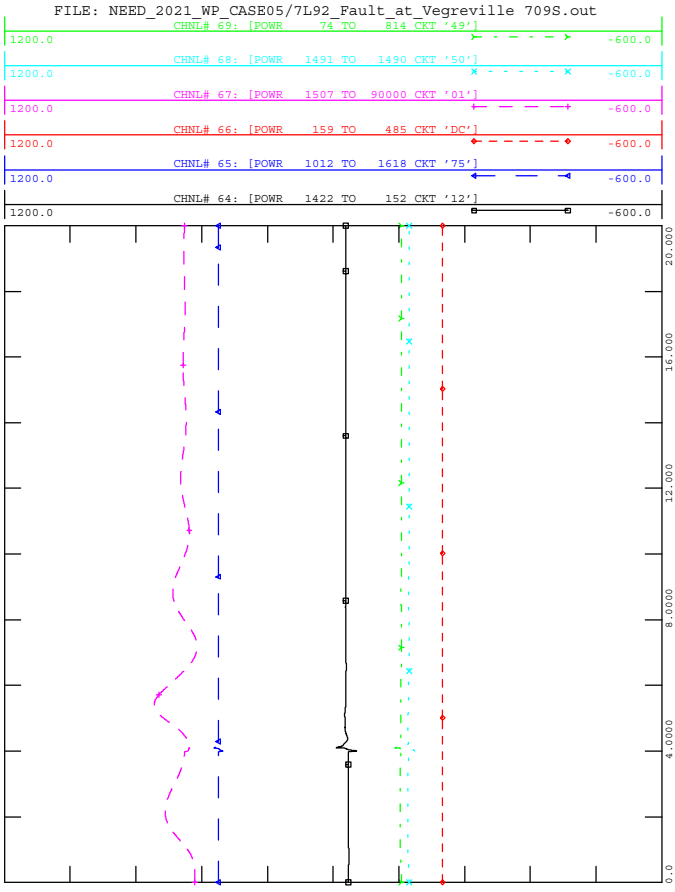
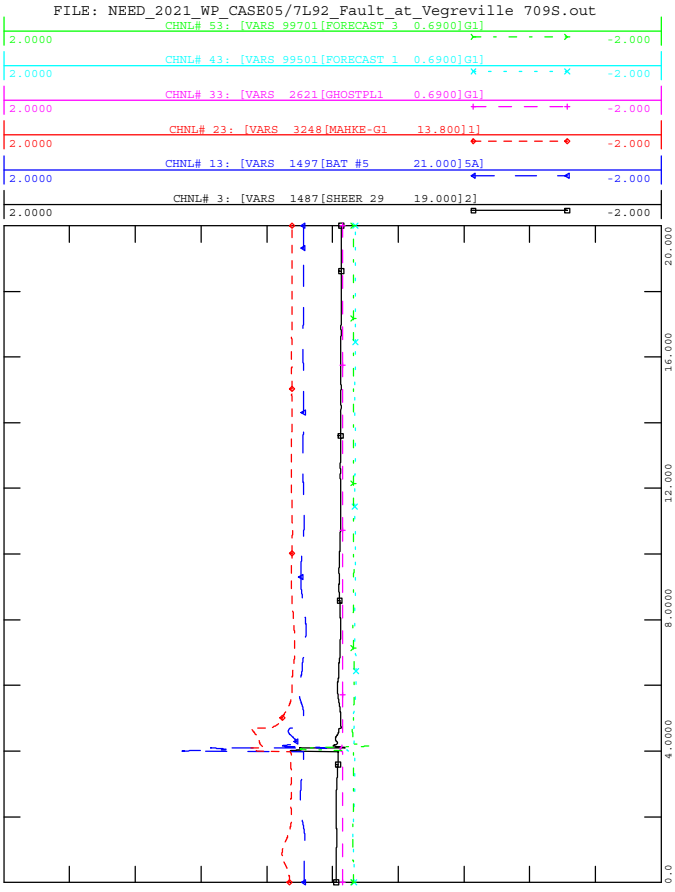


MON, NOV 21 2016 13:35

LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 13:35

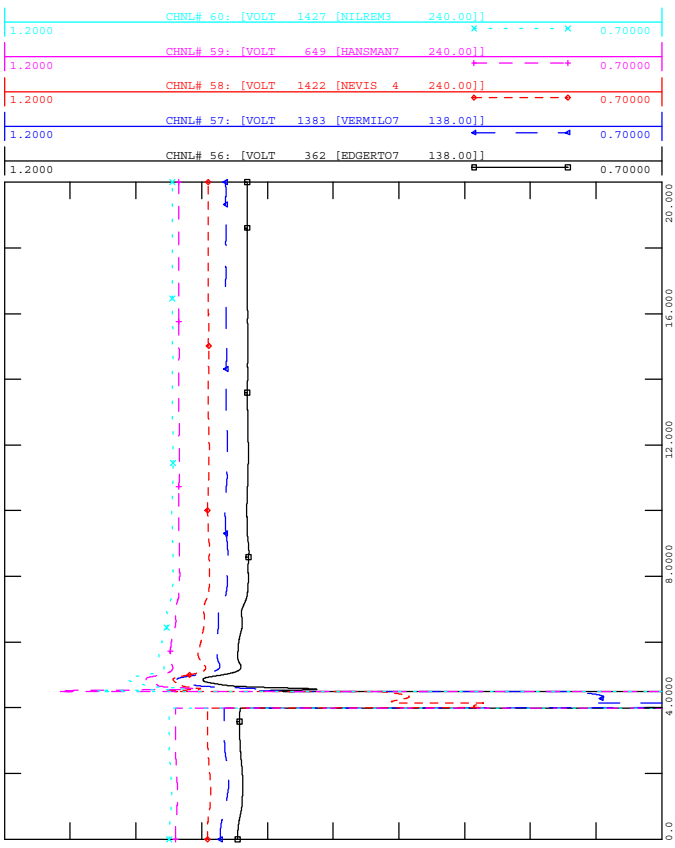
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

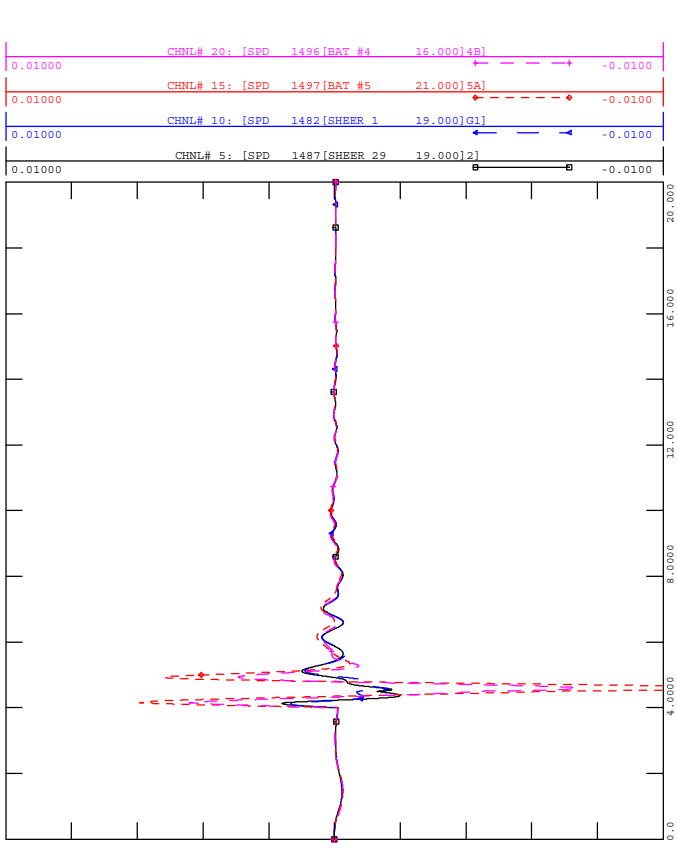


NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

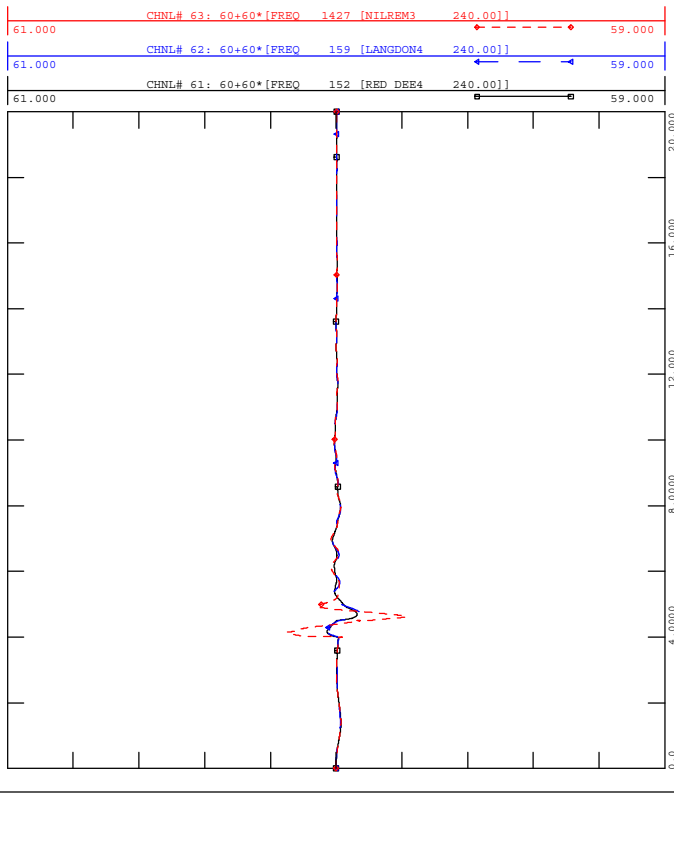


NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

FREQUENCY

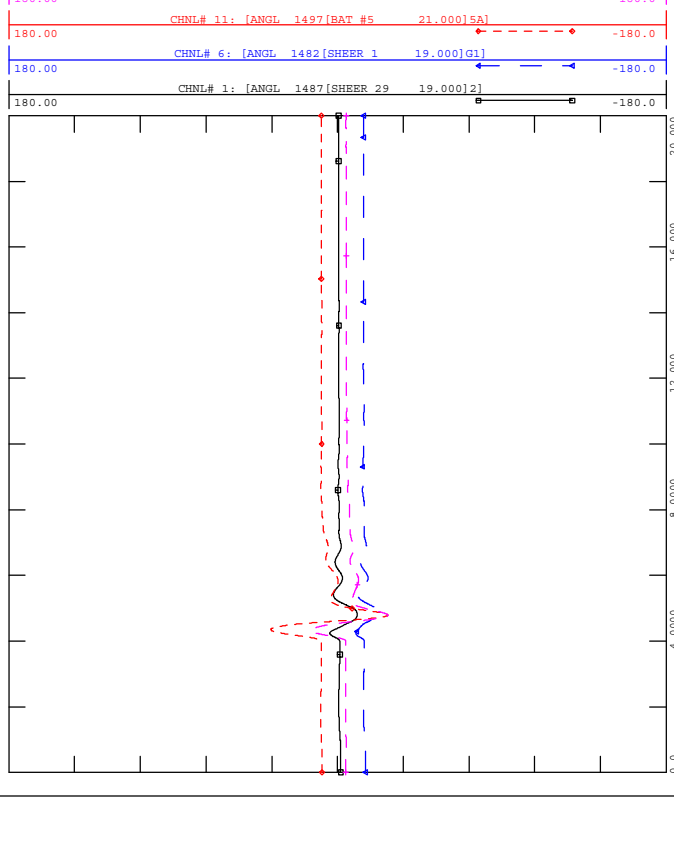


NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out

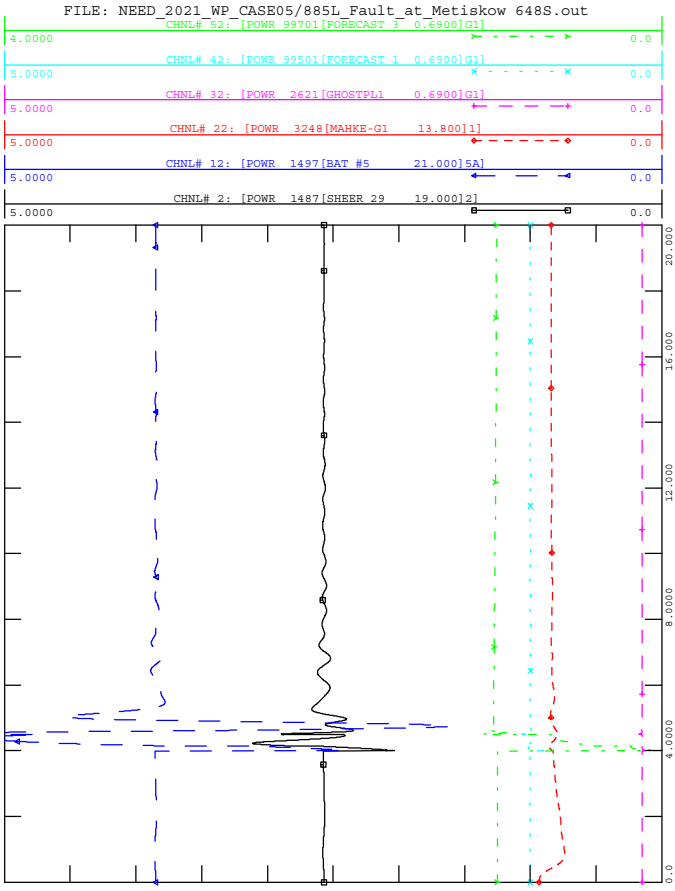
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_METISKOW 648S

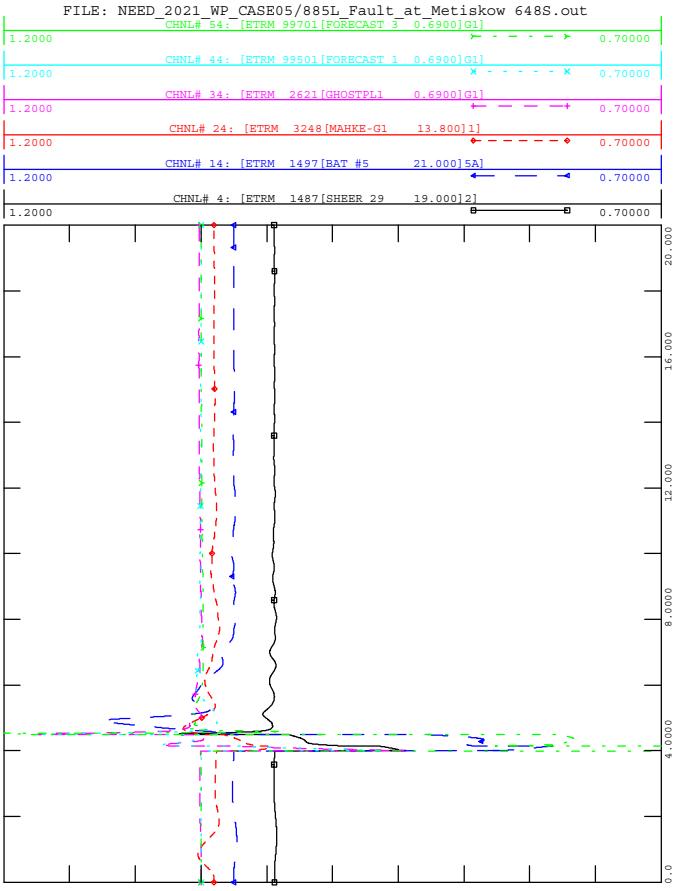
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_METISKOW 648S

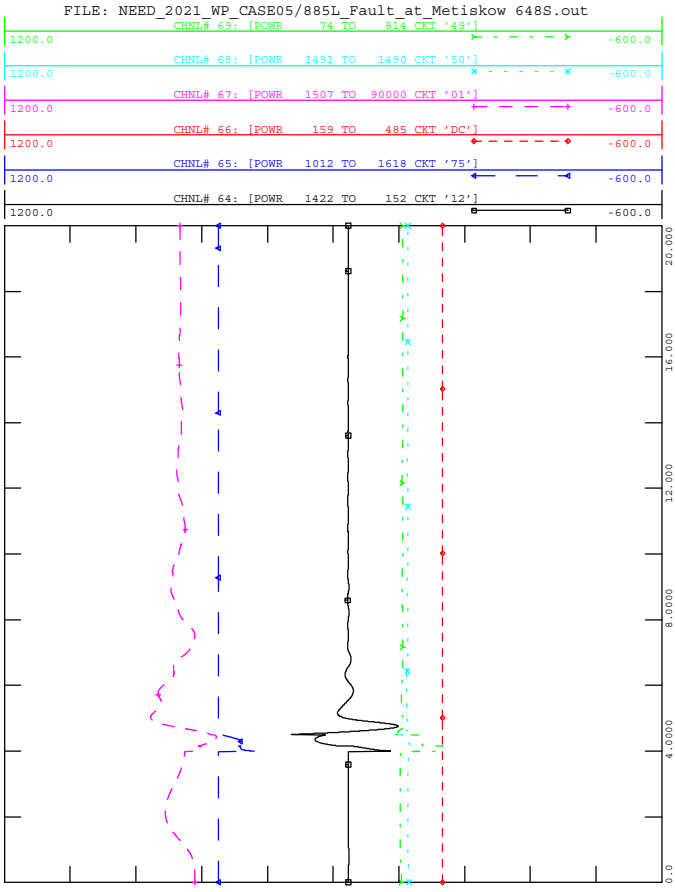
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_METISKOW 648S

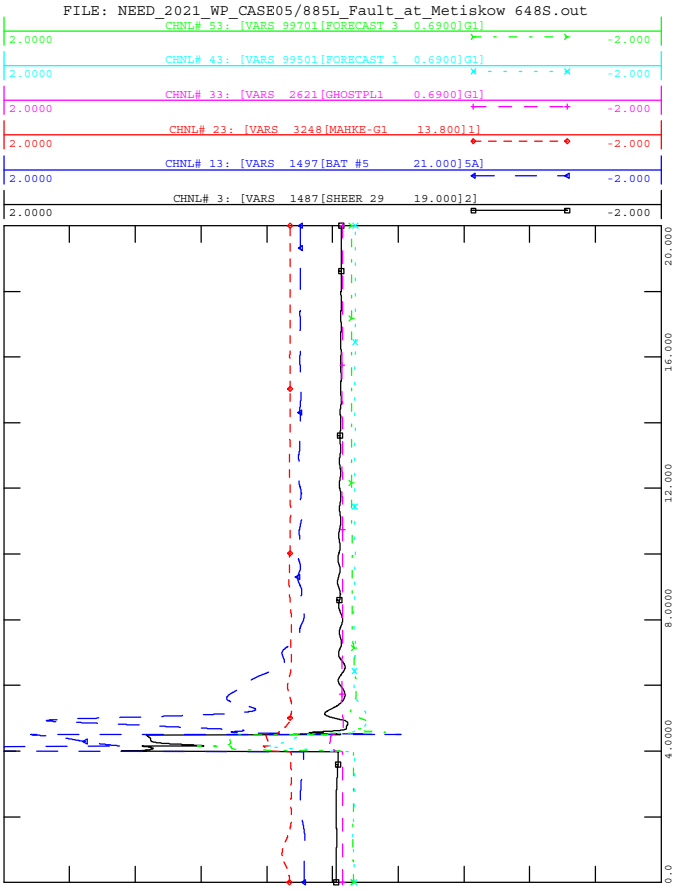
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out



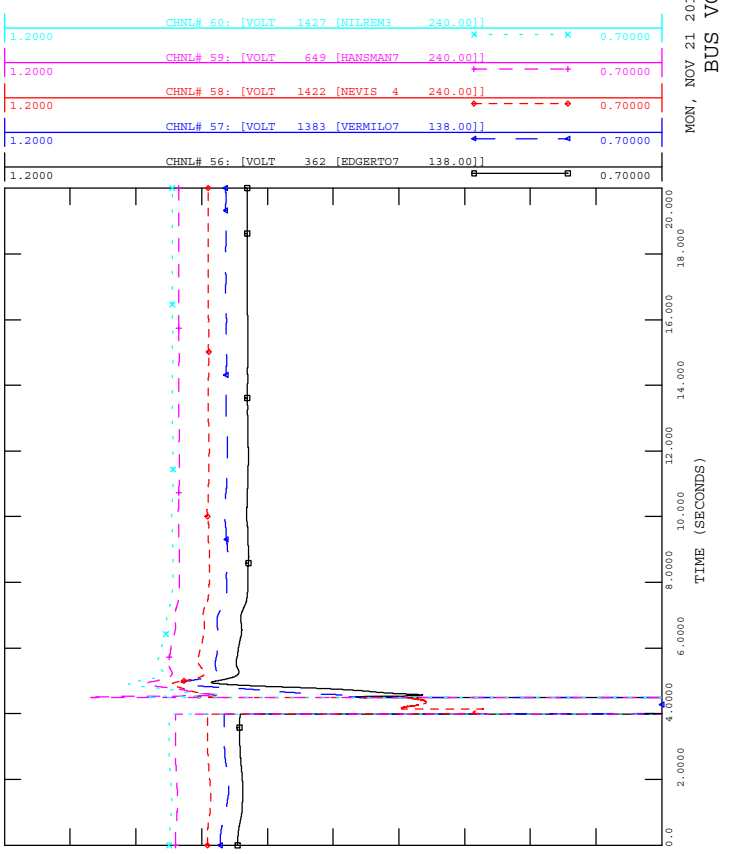
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

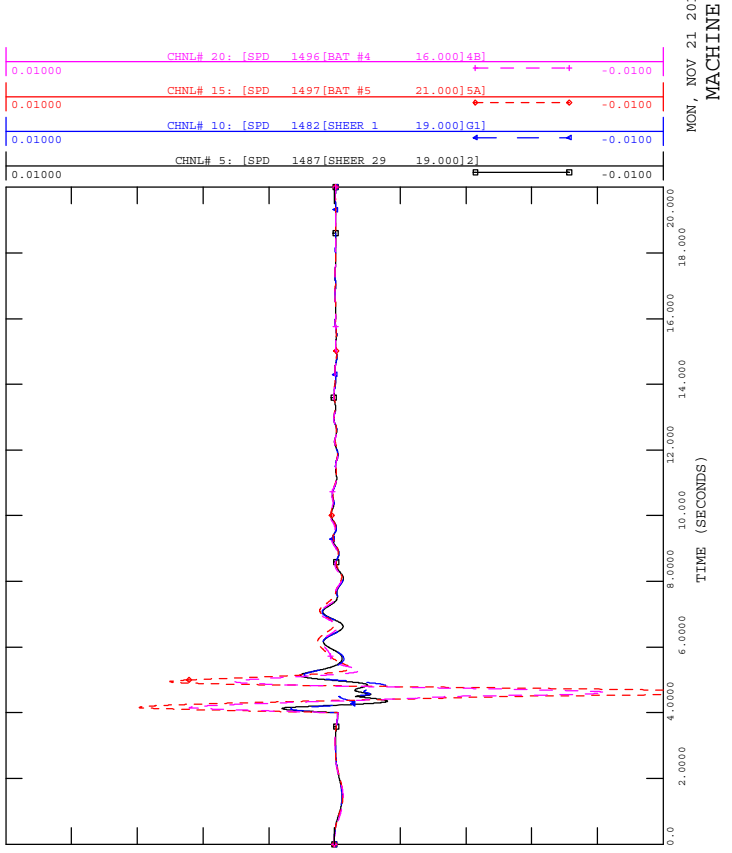


NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

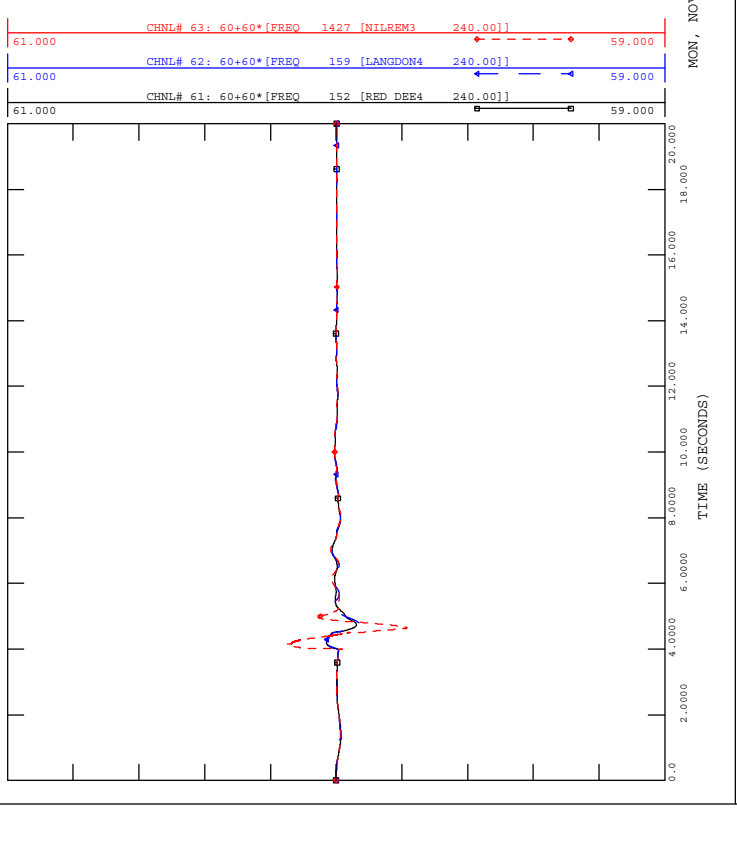


NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

FREQUENCY

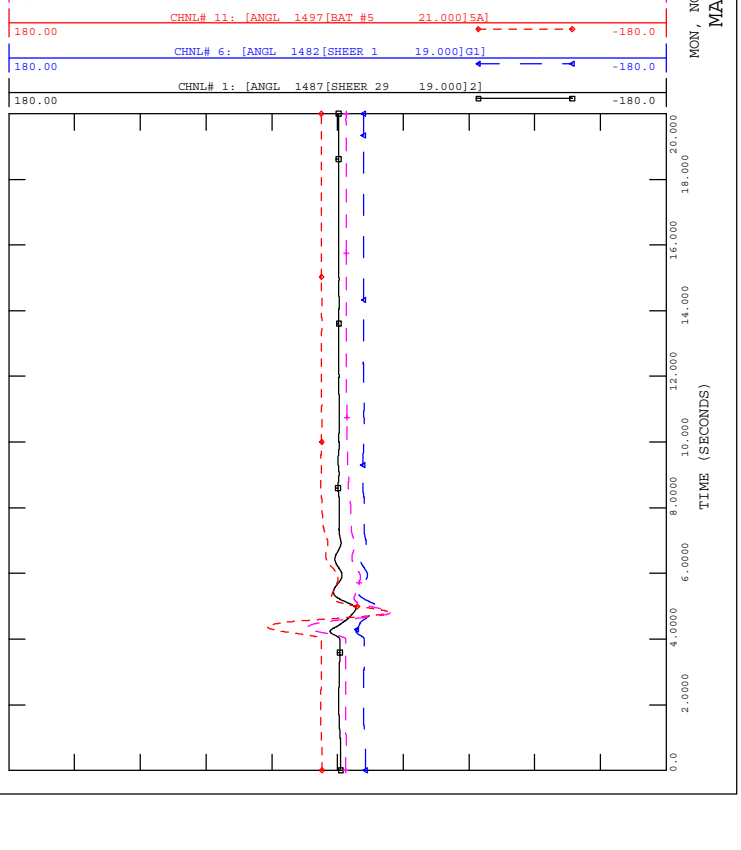


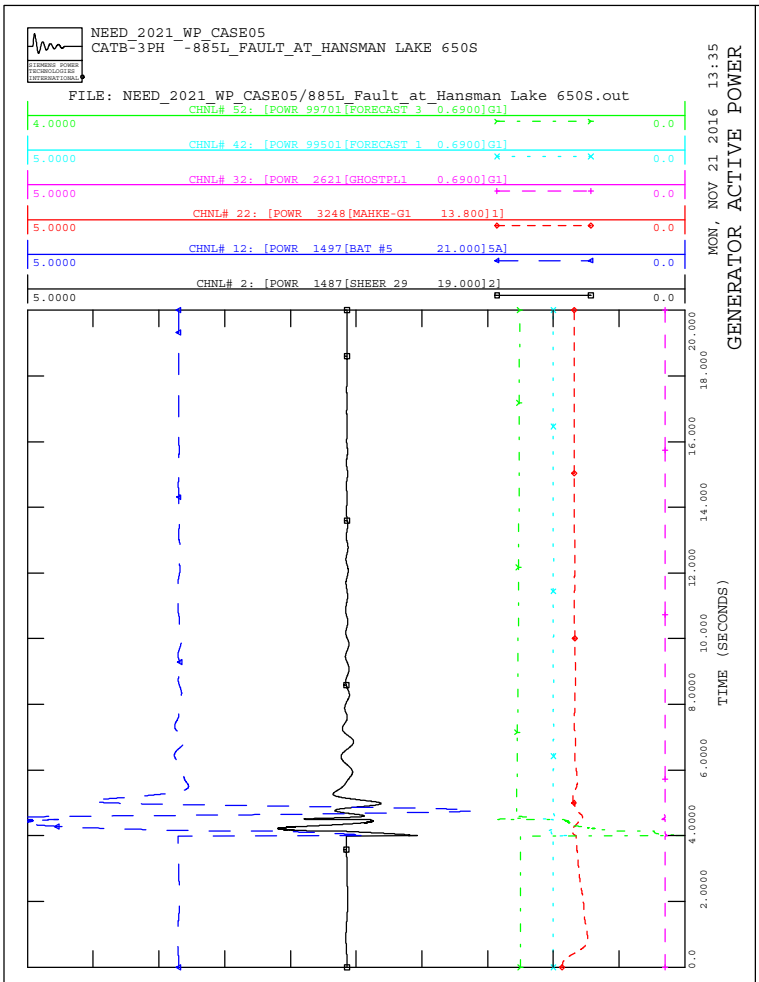
NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S

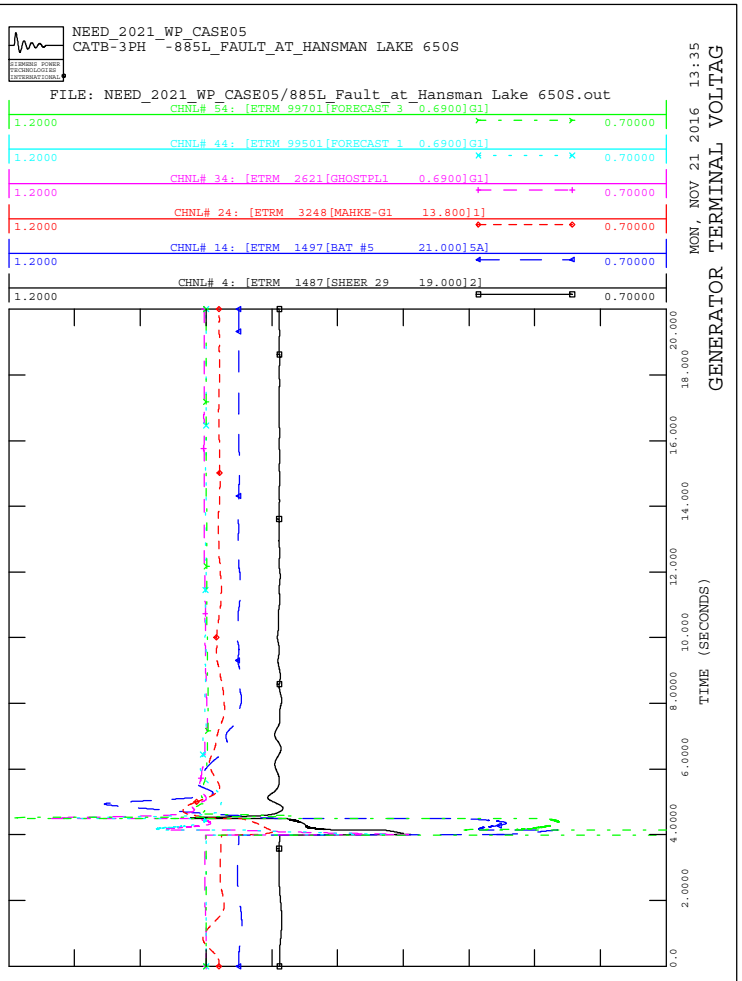
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out

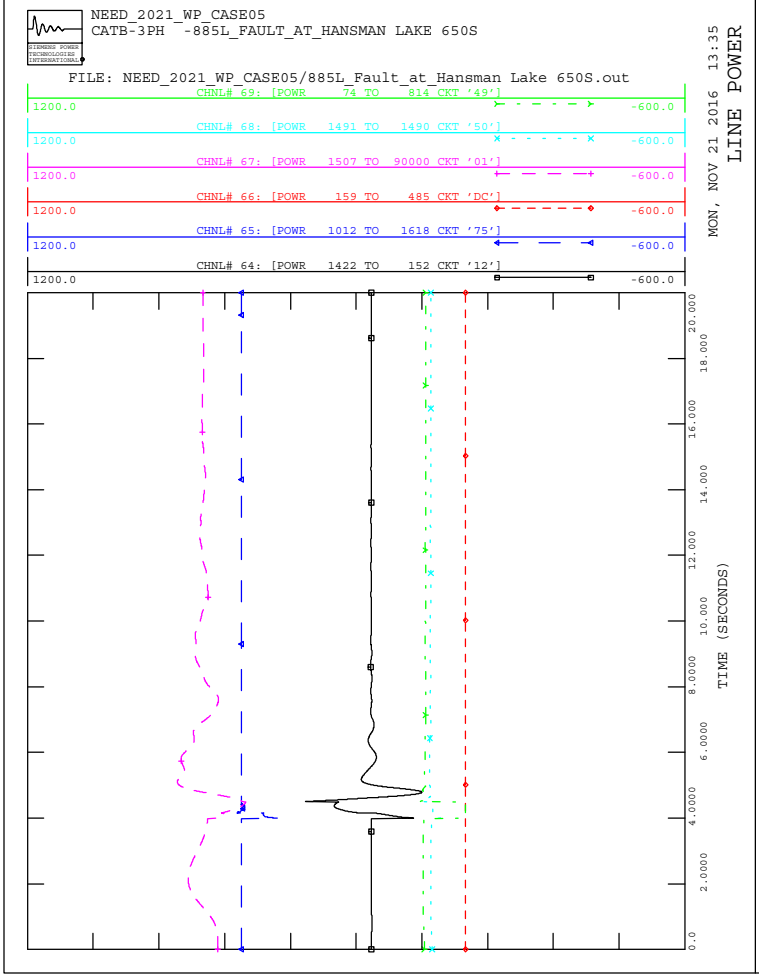
MON, NOV 21 2016 13:35

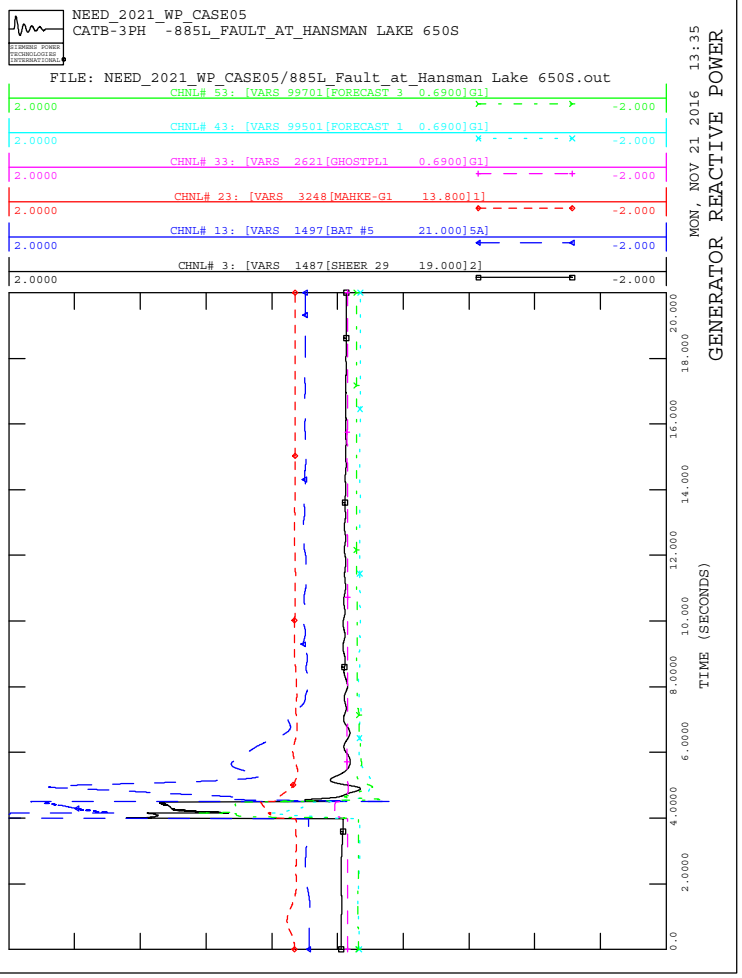
MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:35
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:35
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:35
TIME (SECONDS)

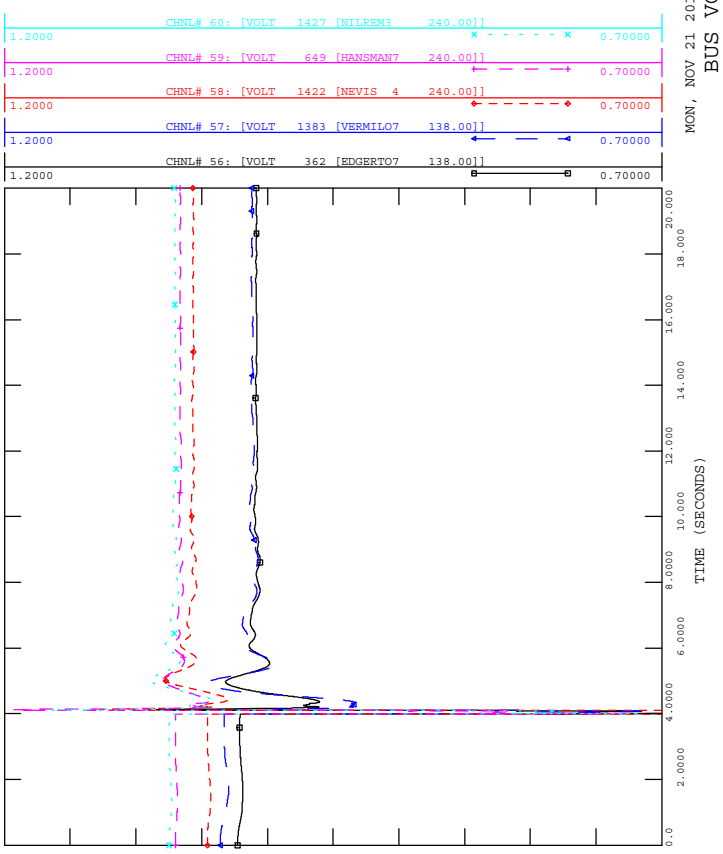

NEED_2021_WP_CASE05
CATB-3PH -885L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:35
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

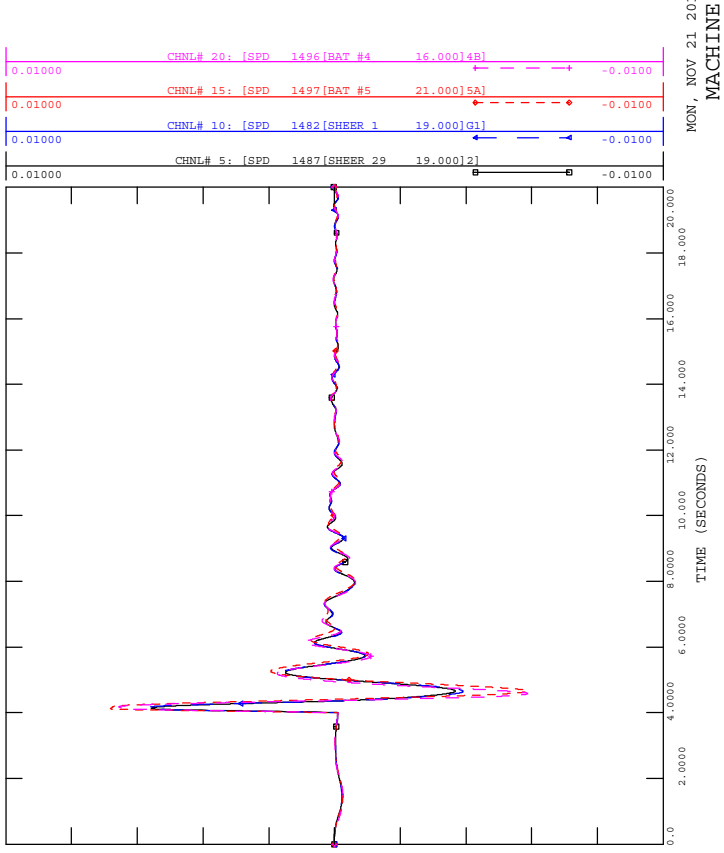


NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

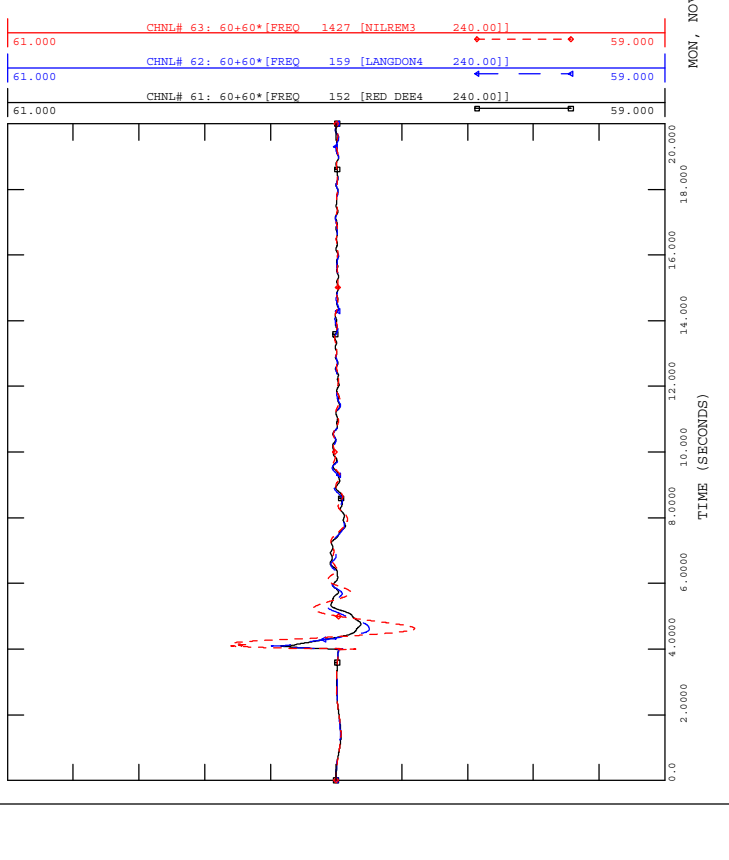


NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:35

FREQUENCY

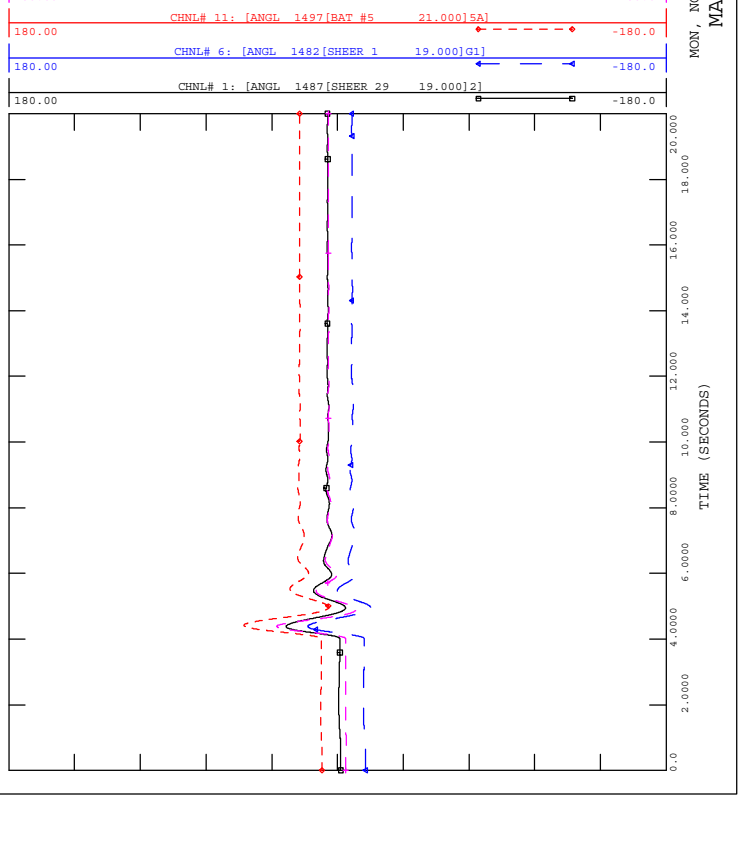


NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:35

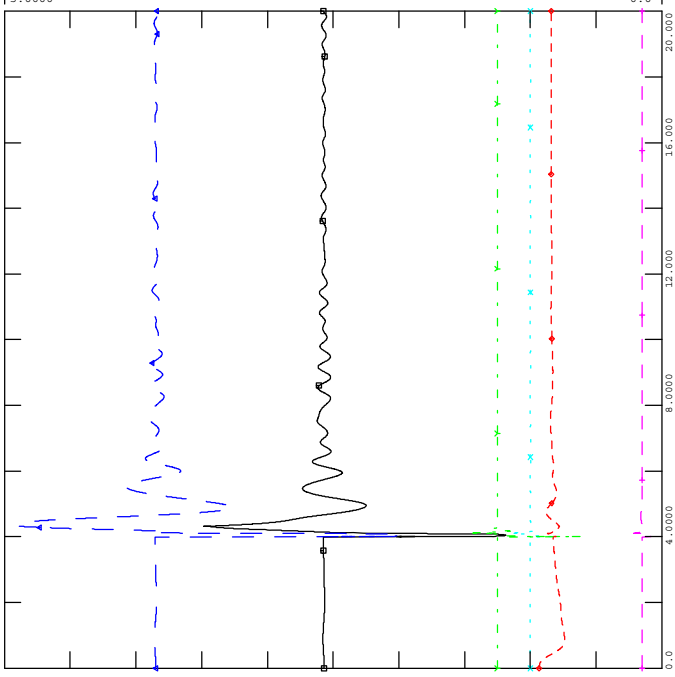
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

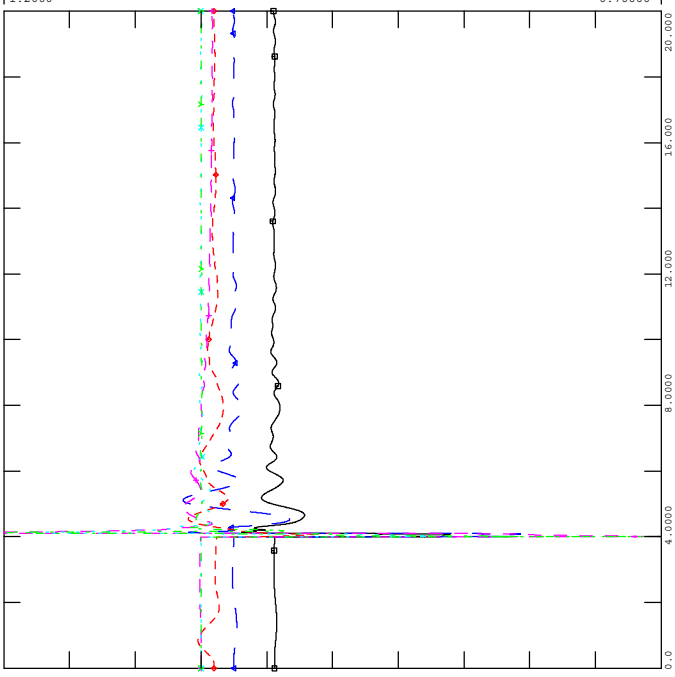


MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

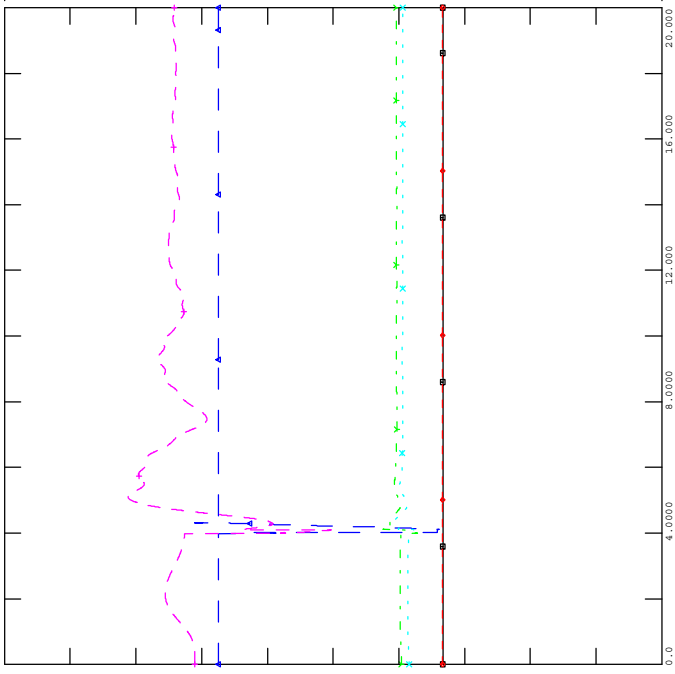


MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

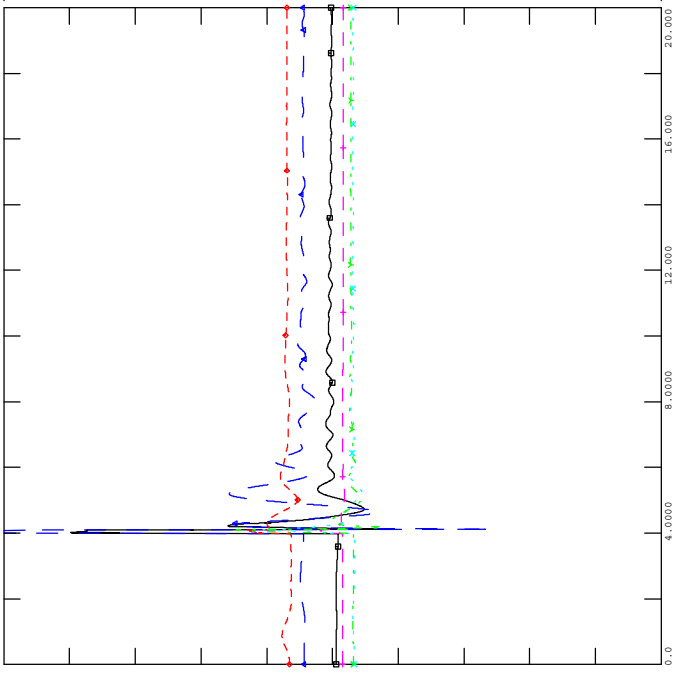


MON, NOV 21 2016 13:35
LINE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



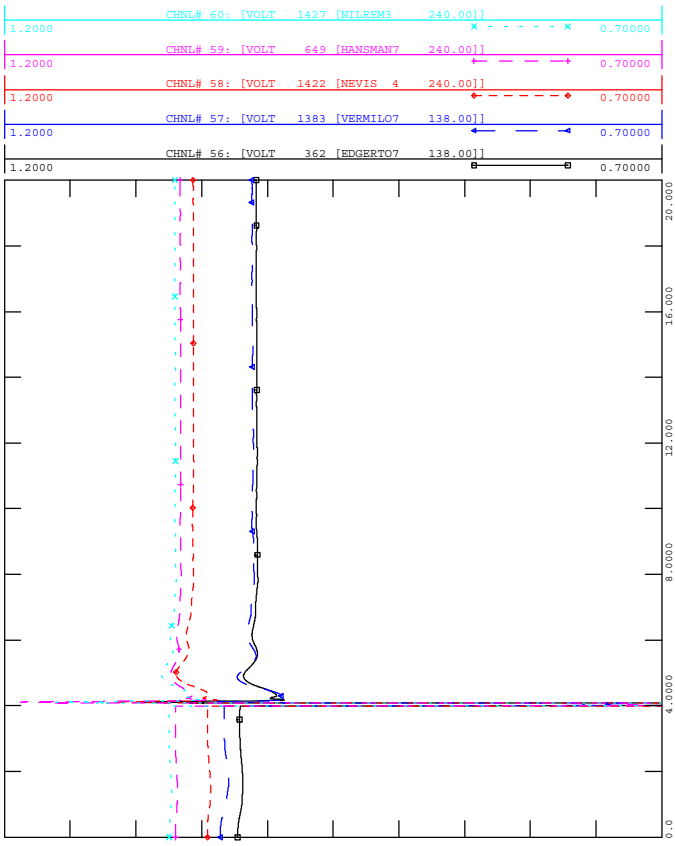
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

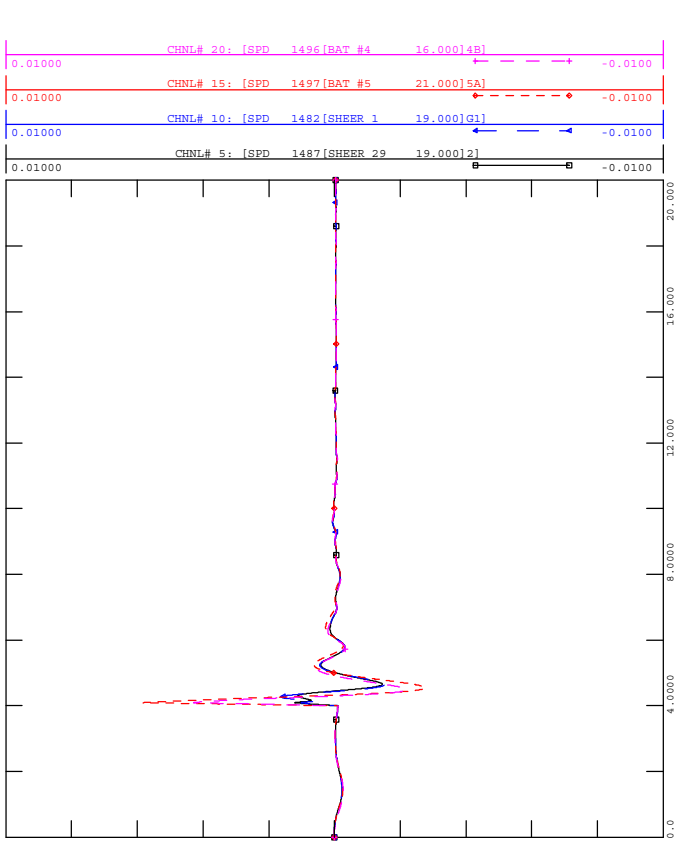


NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

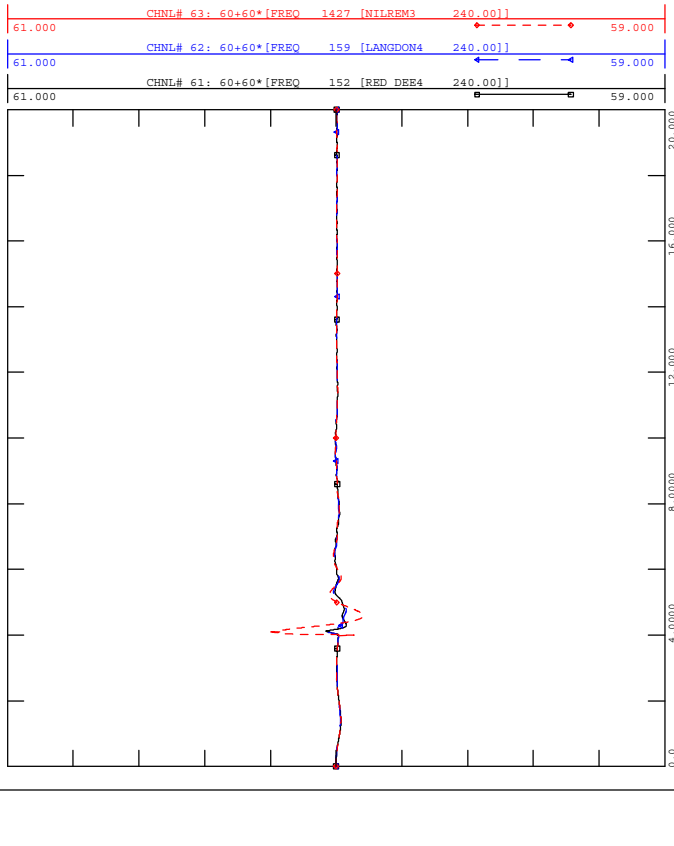


NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out

MON, NOV 21 2016 13:35

FREQUENCY

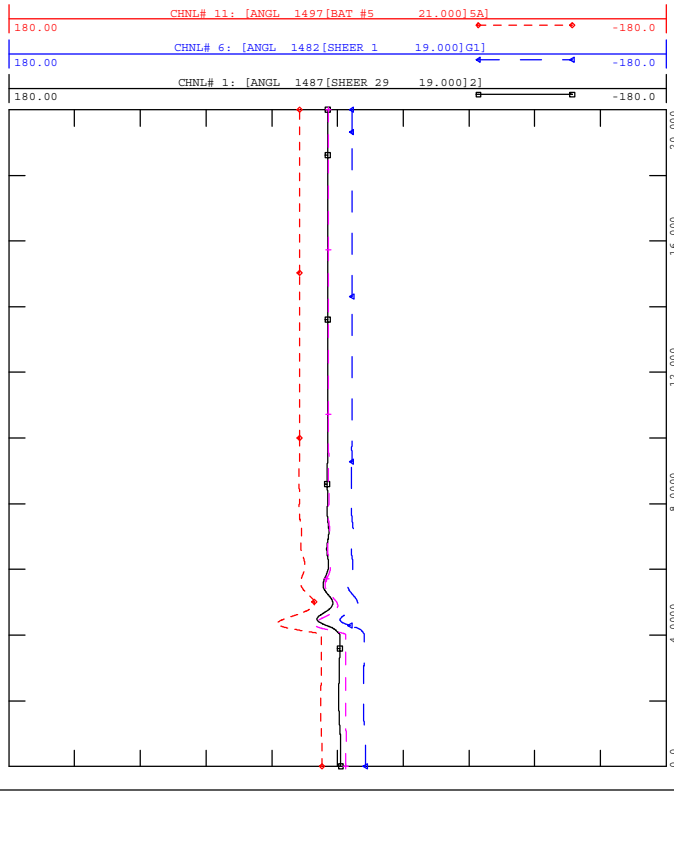


NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

GENERATOR ACTIVE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

GENERATOR TERMINAL VOLTAG

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

LINE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

GENERATOR REACTIVE POWER

MON, NOV 21 2016 13:35

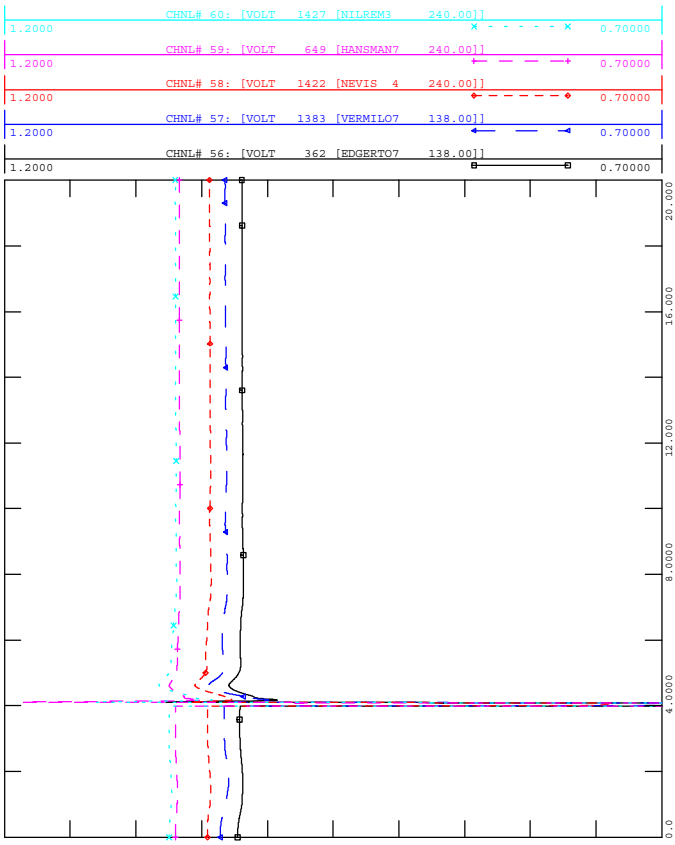
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

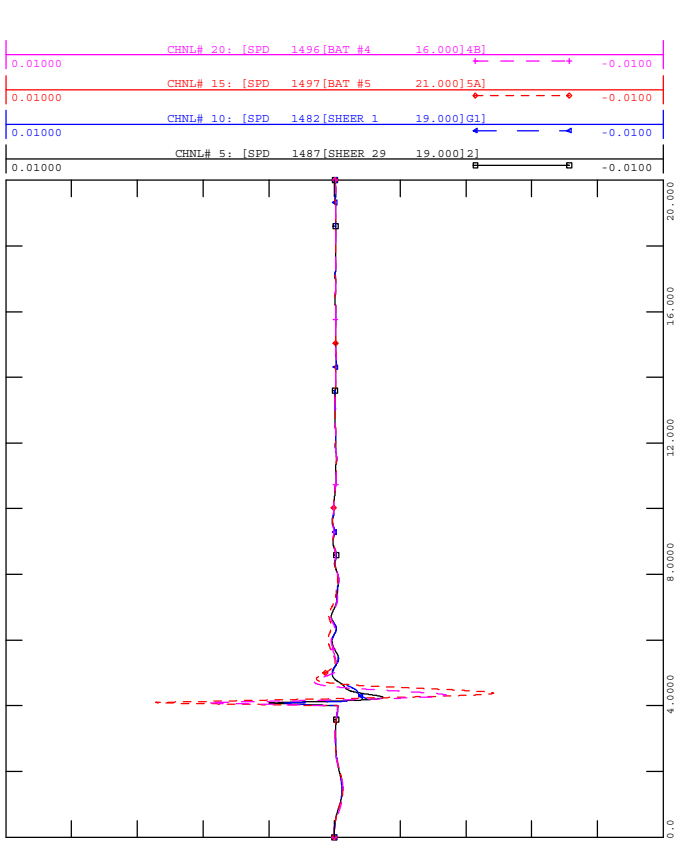


NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

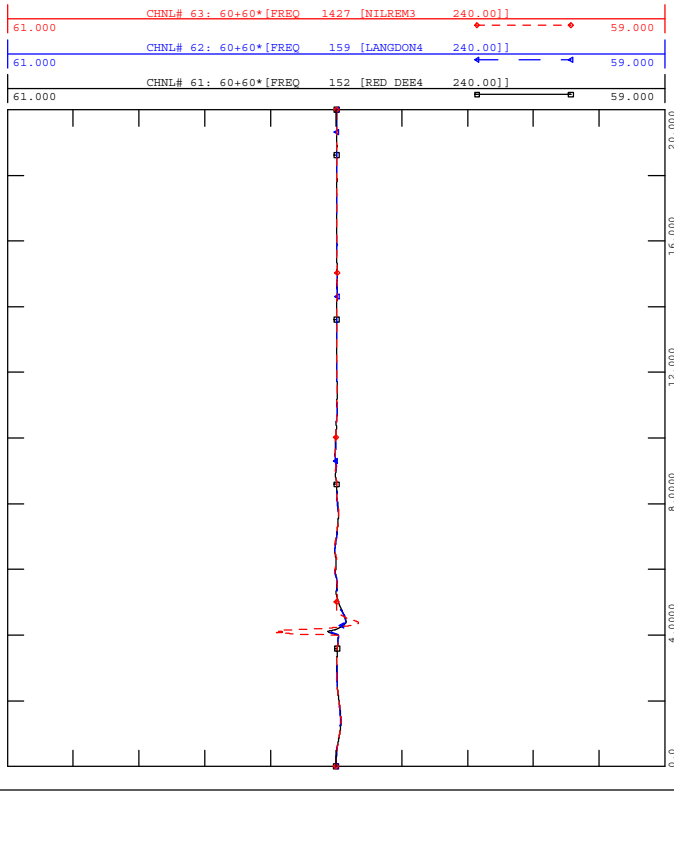


NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

FREQUENCY

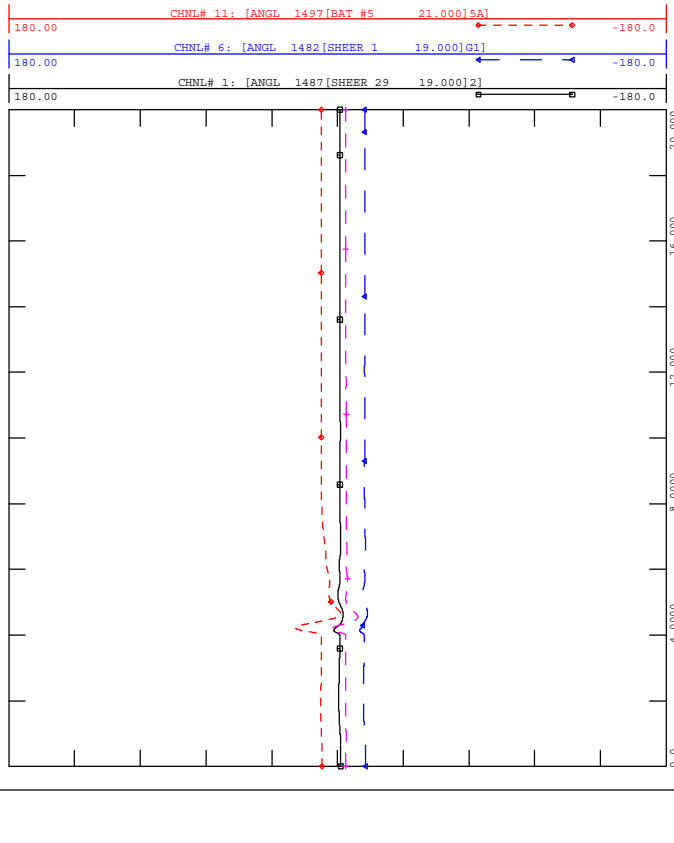


NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out

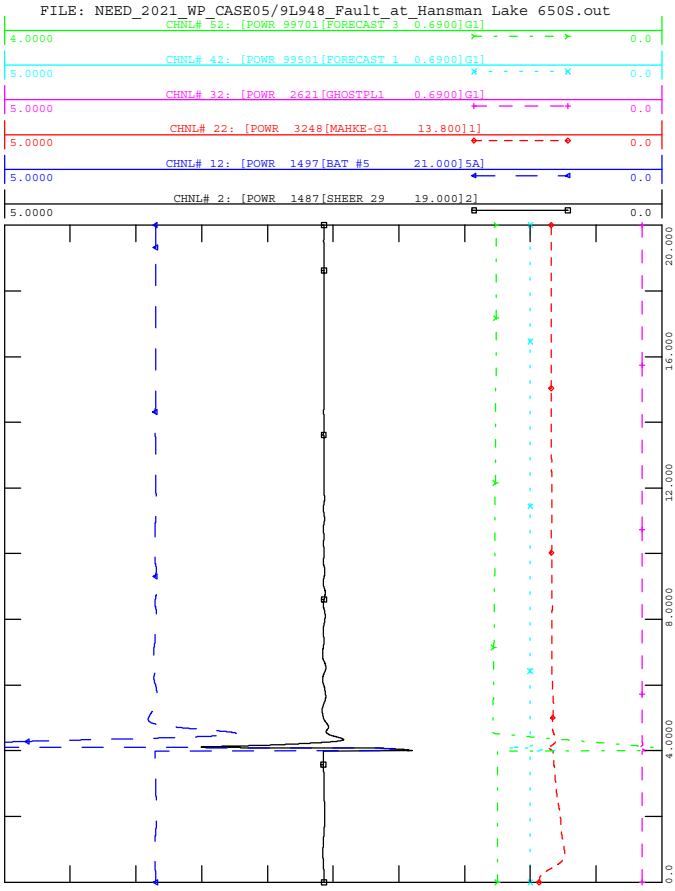
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

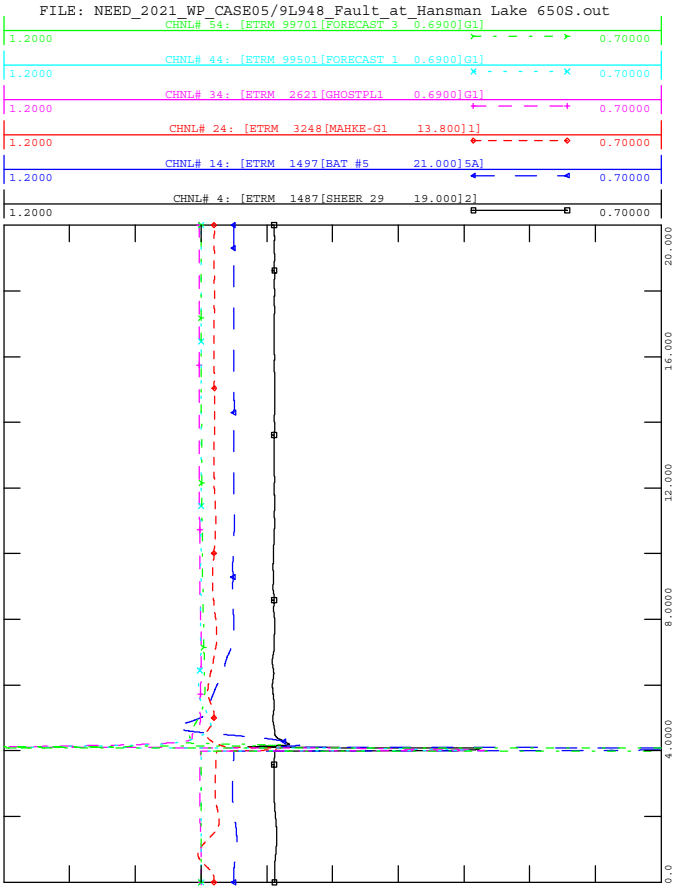
FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

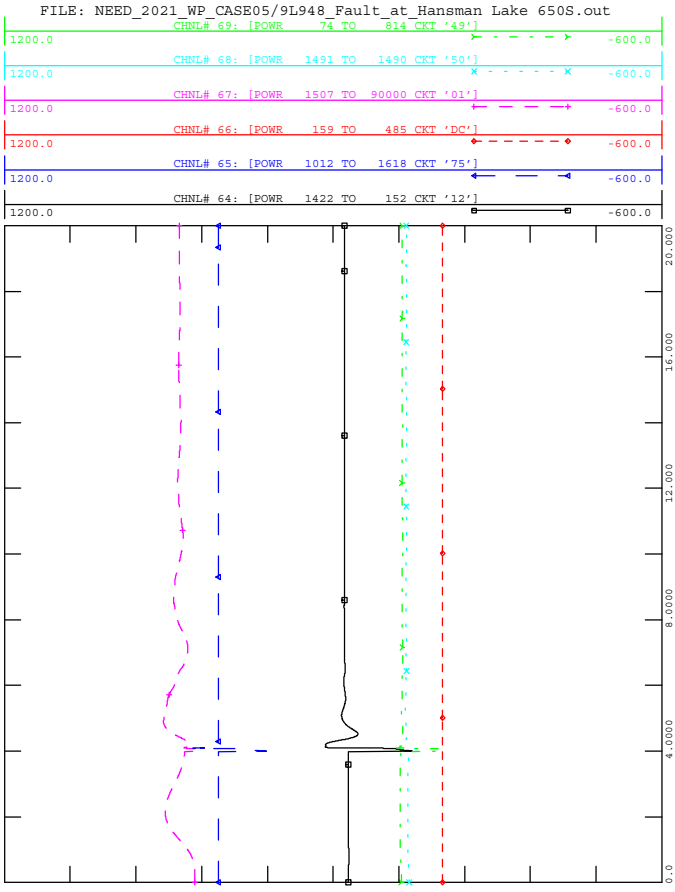
FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

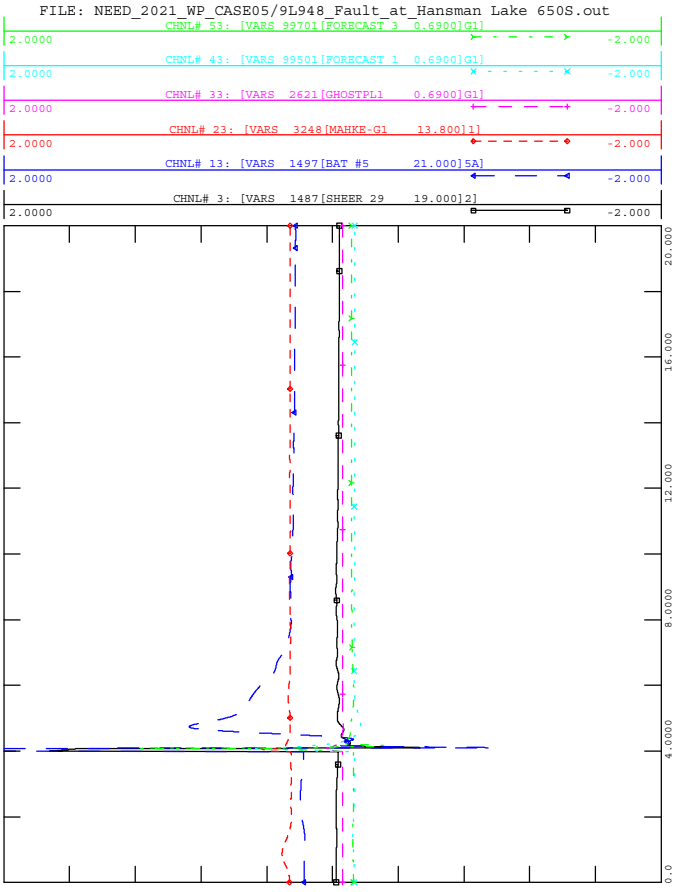
FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out



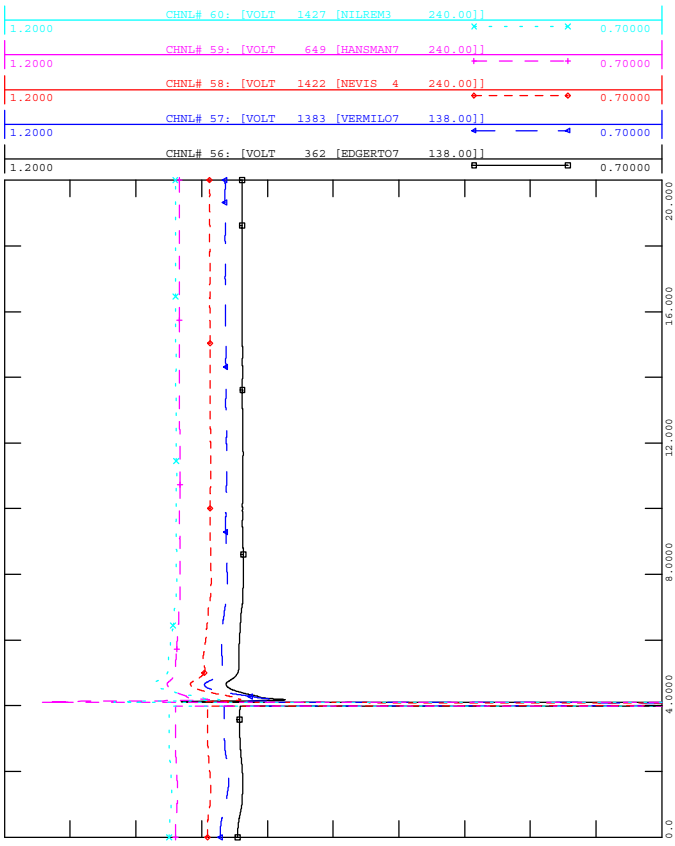
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

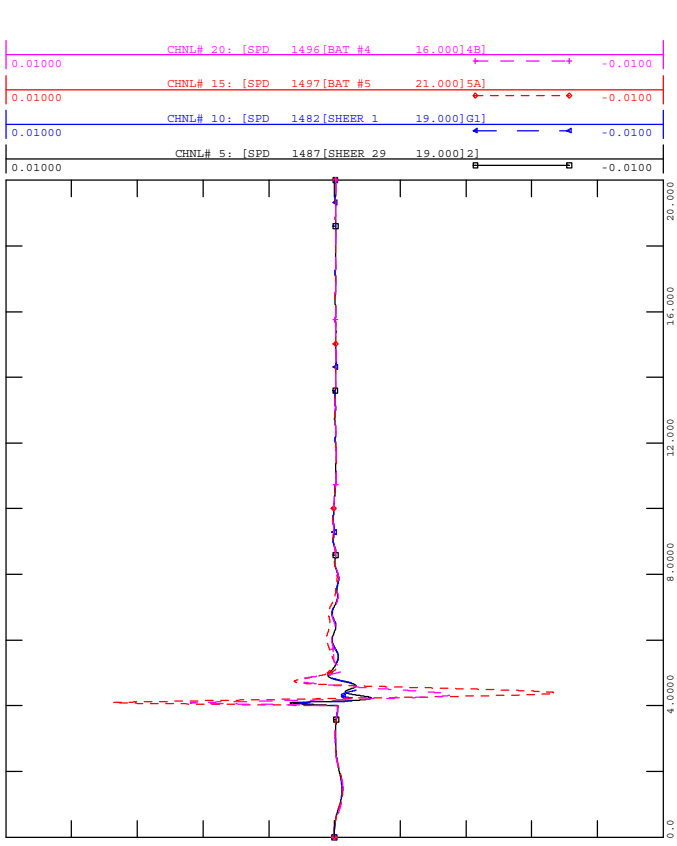


NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

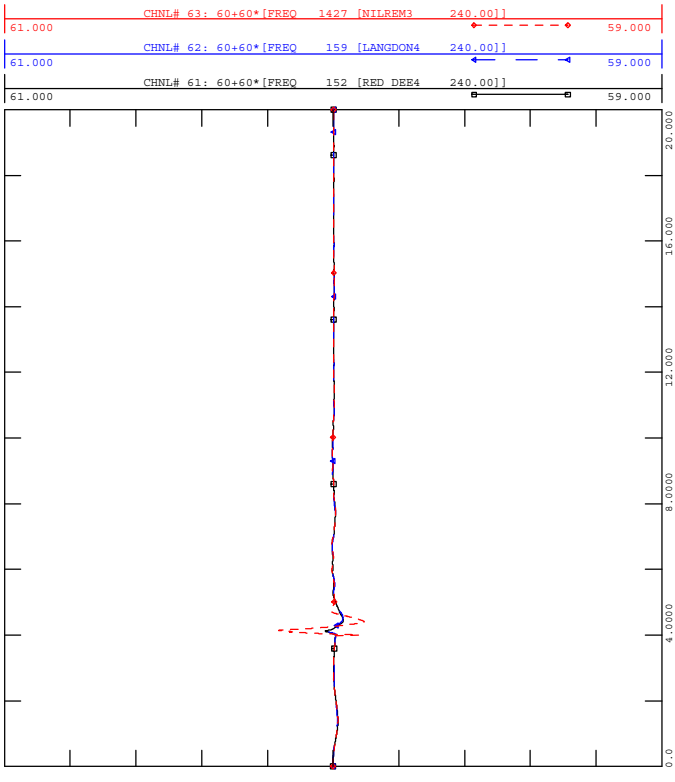


NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 13:35

FREQUENCY

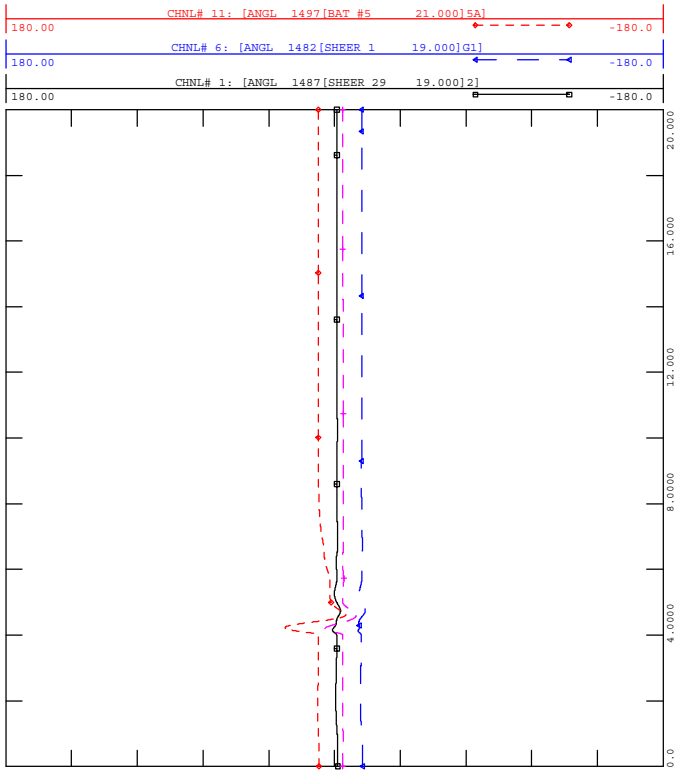


NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out

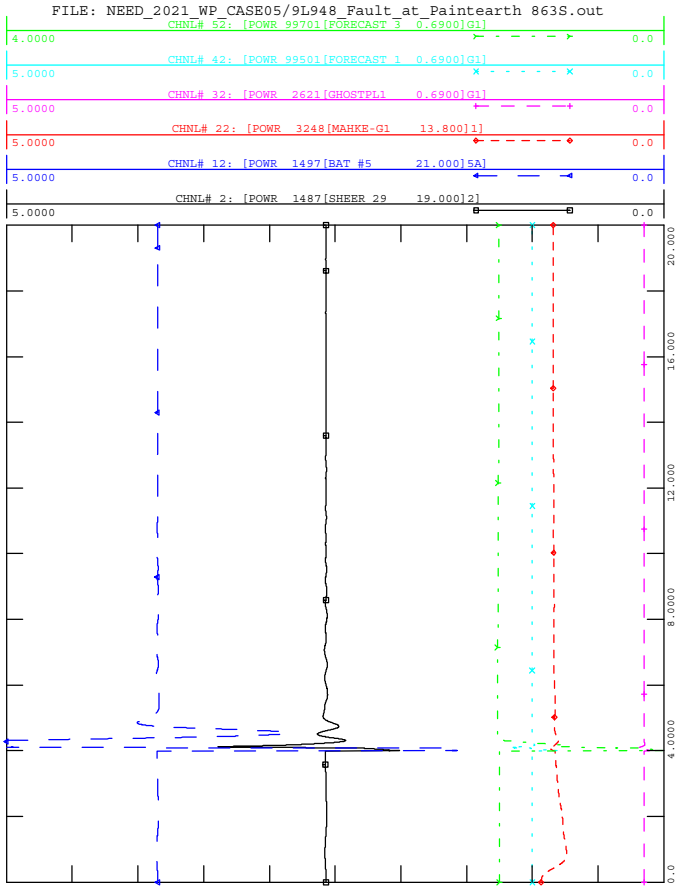
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out

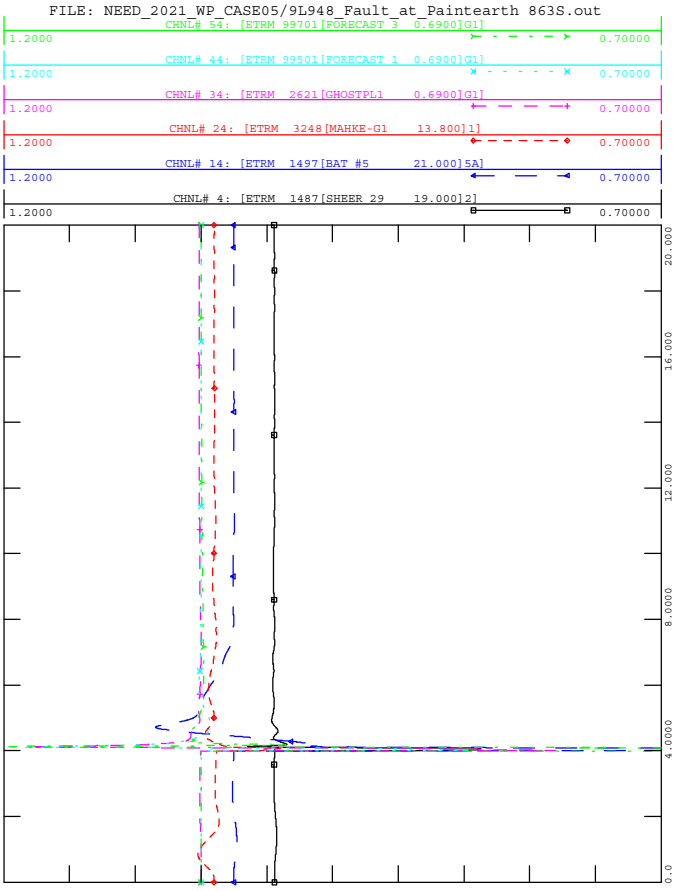


MON, NOV 21 2016 13:35

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out

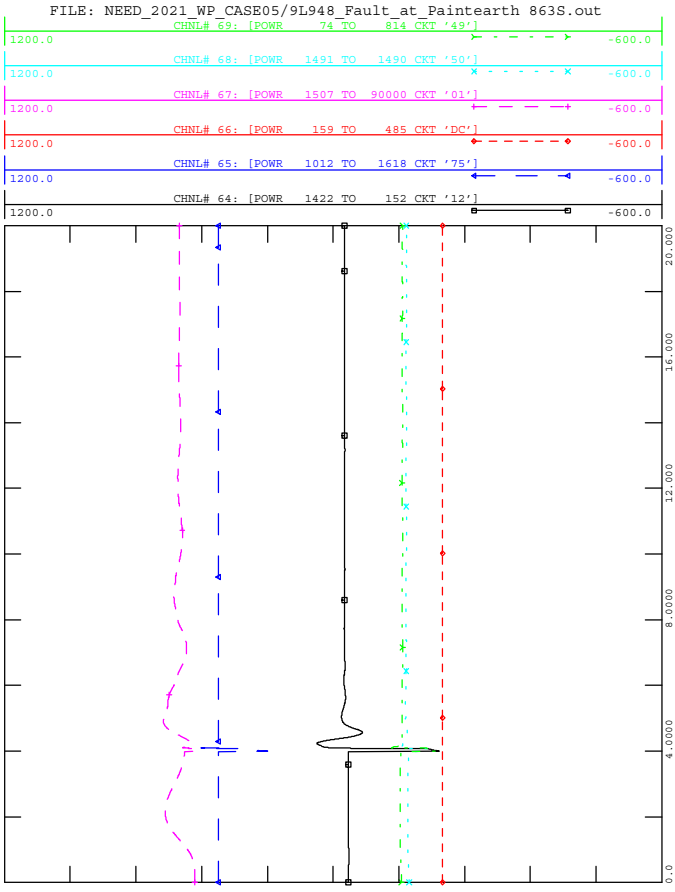


MON, NOV 21 2016 13:35

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out

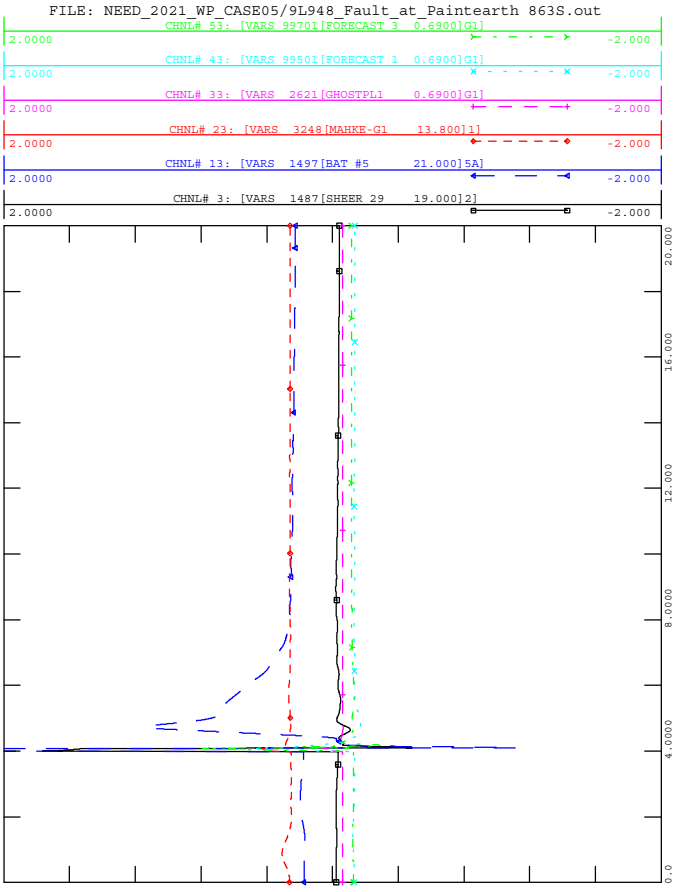


MON, NOV 21 2016 13:35

LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 13:35

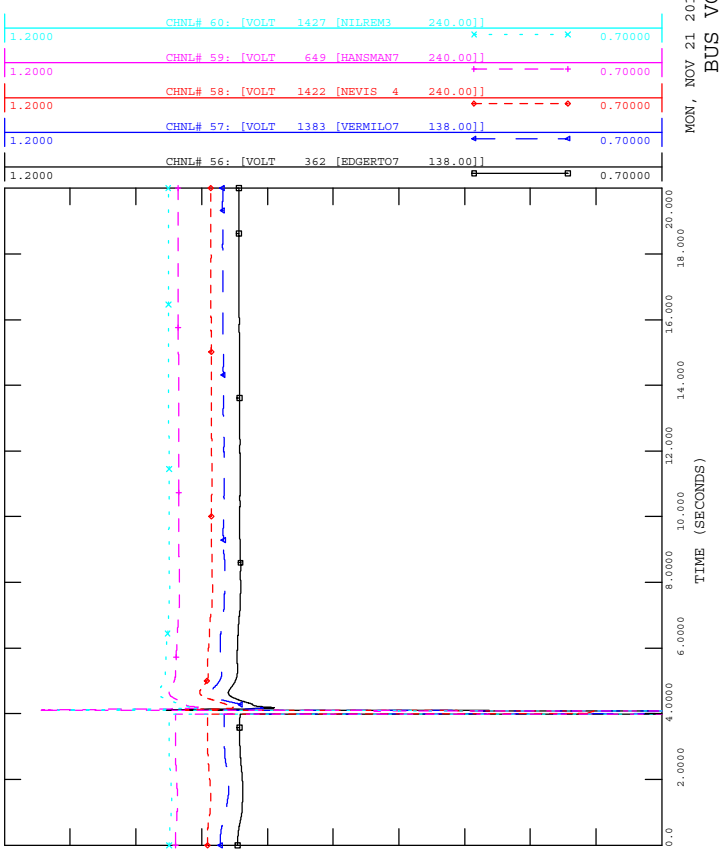
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

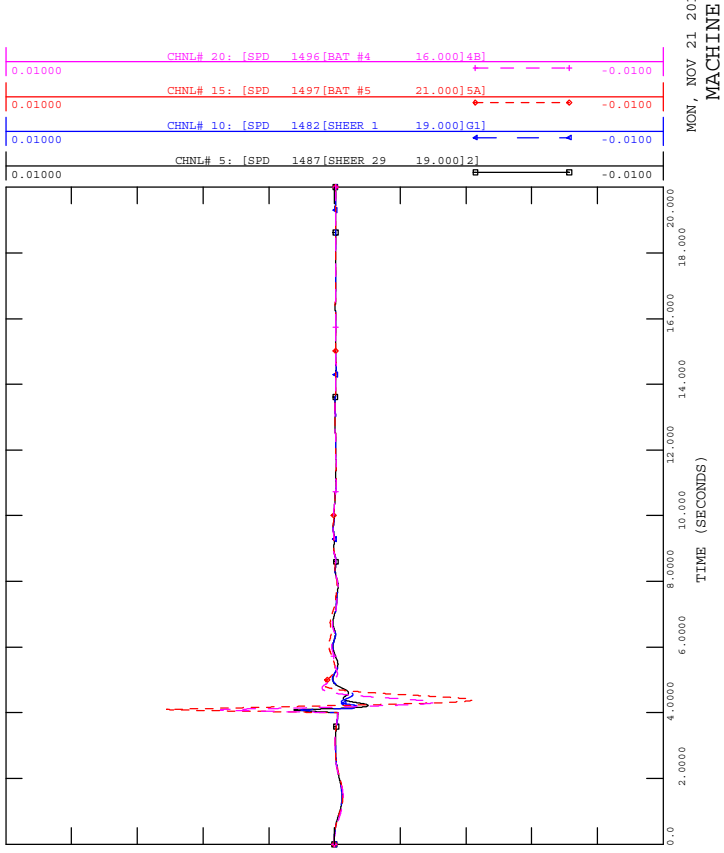


NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

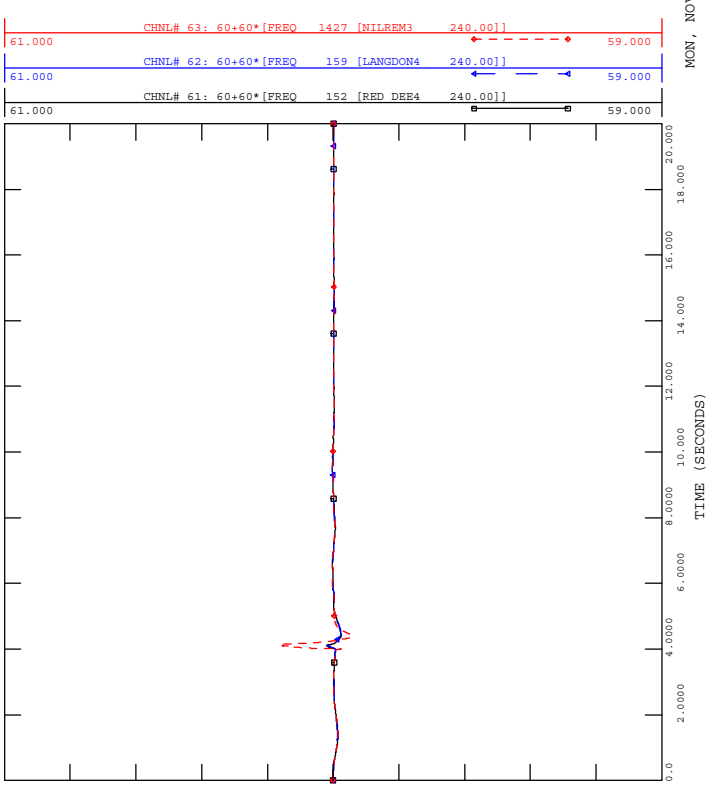


NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:35

FREQUENCY

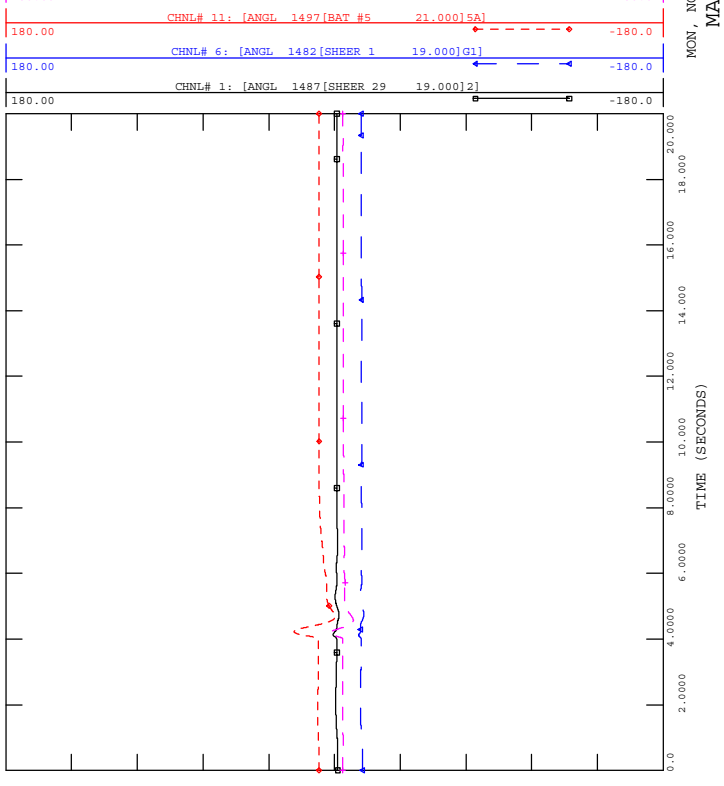


NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

GENERATOR ACTIVE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

GENERATOR TERMINAL VOLTAG

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

LINE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

GENERATOR REACTIVE POWER

MON, NOV 21 2016 13:35

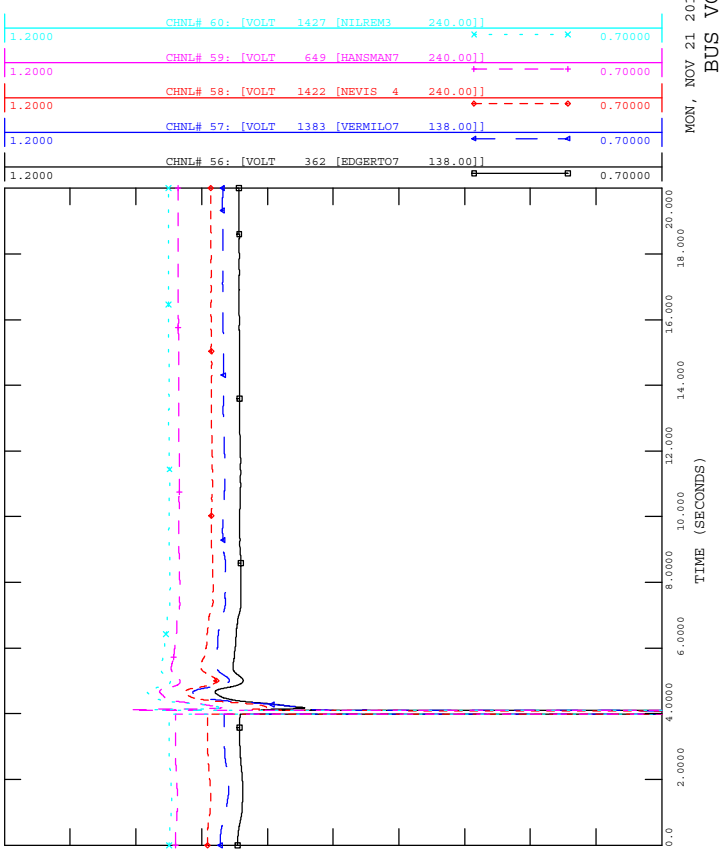
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

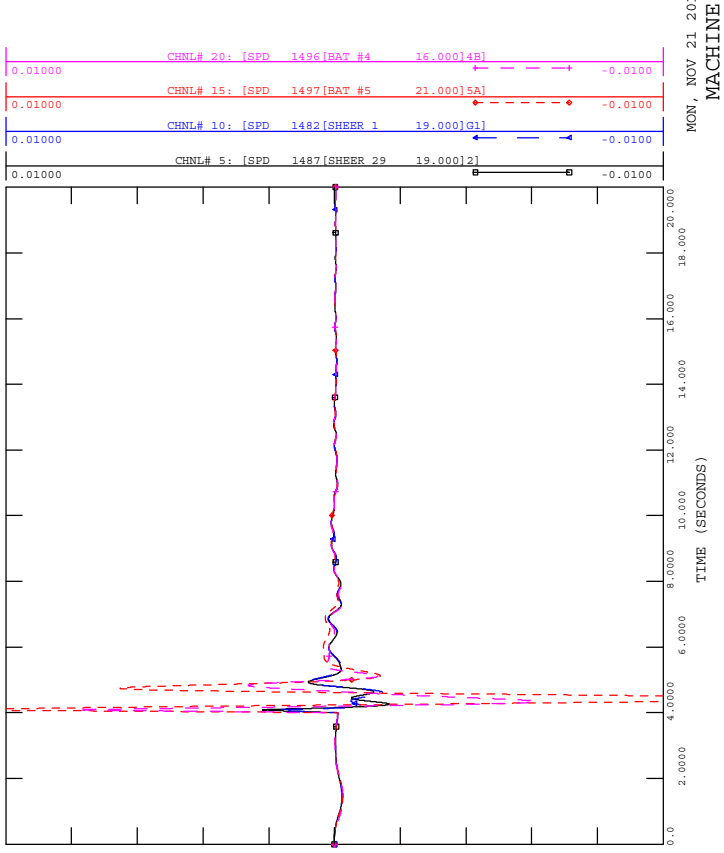


NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

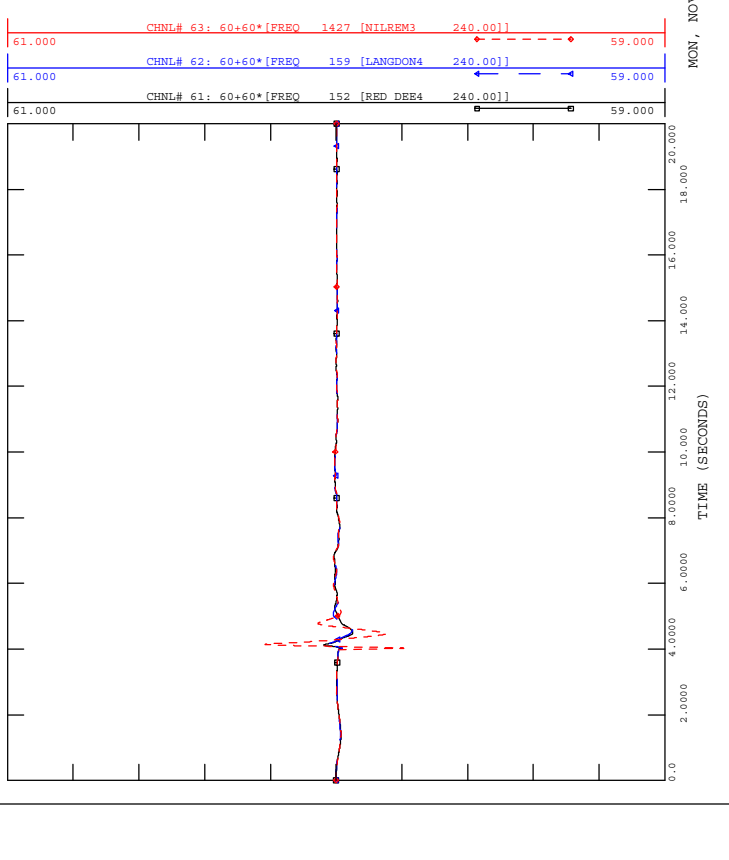


NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

FREQUENCY

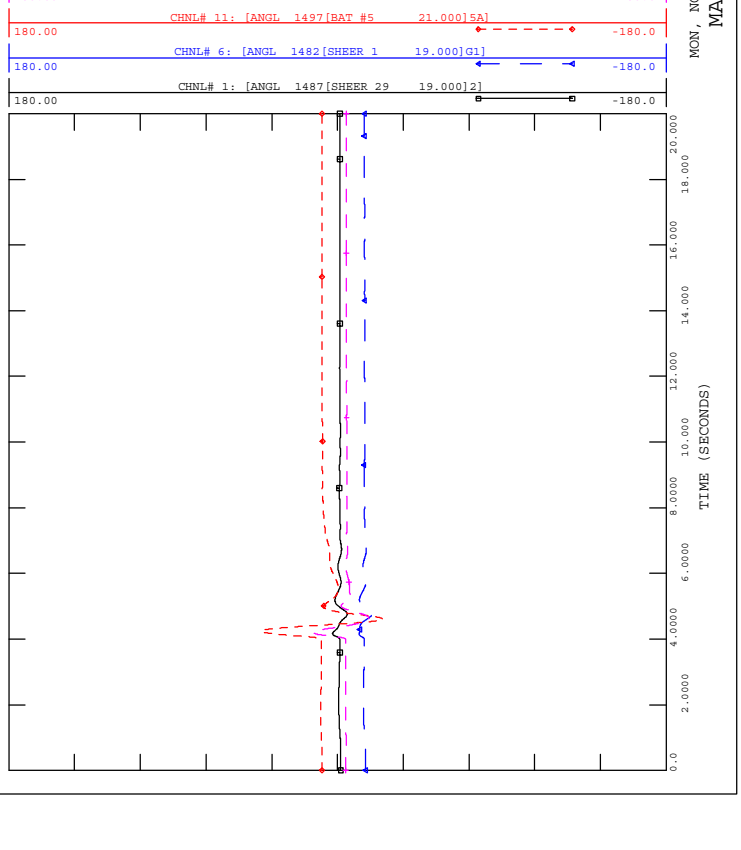


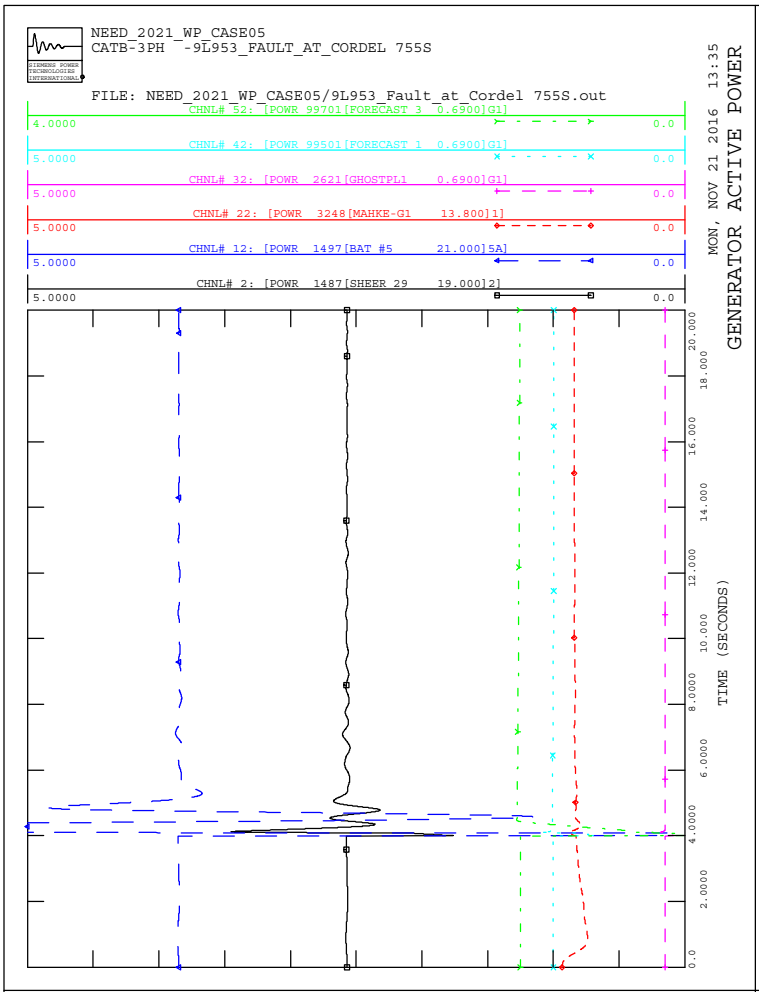
NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

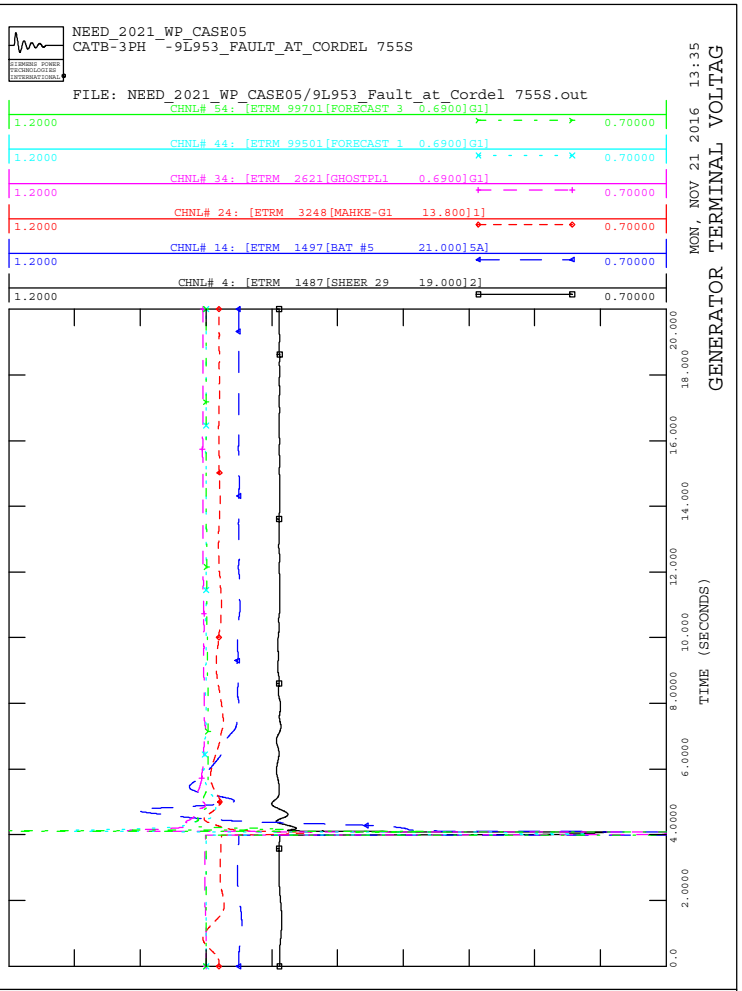
FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Cordel 755S.out

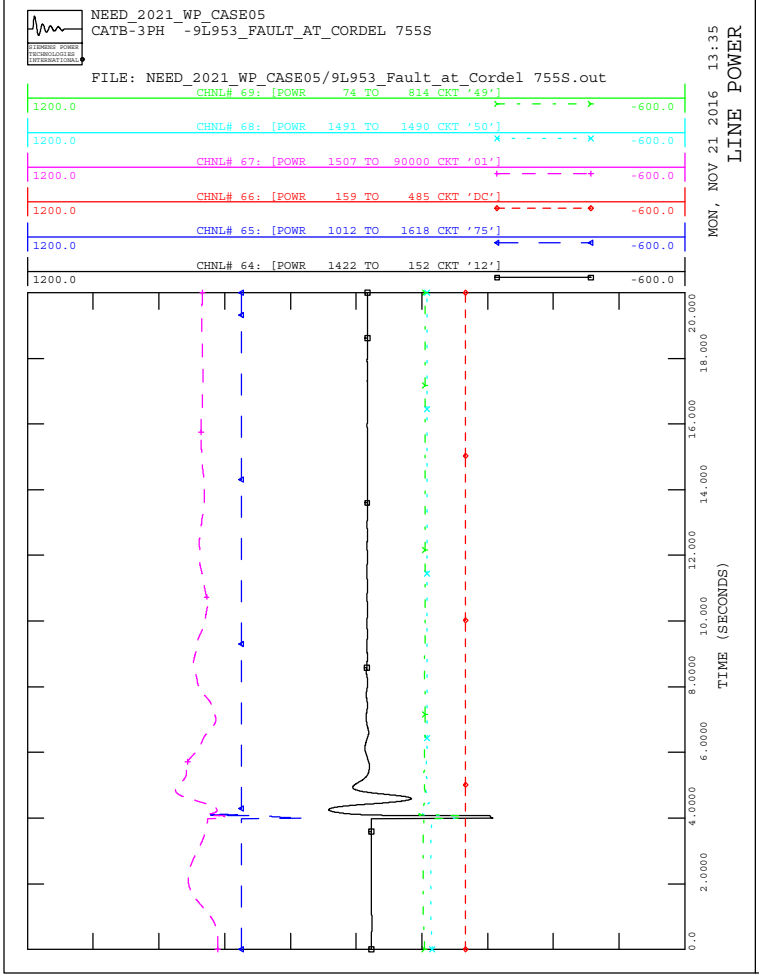
MON, NOV 21 2016 13:35

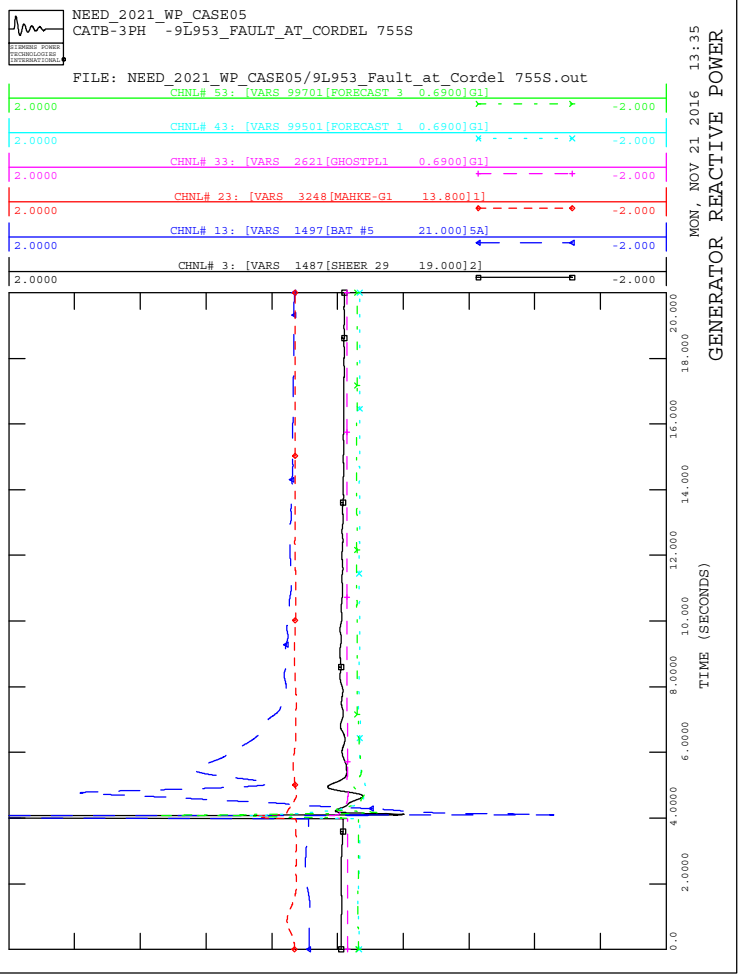
MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Cordel 755S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Cordel 755S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Cordel 755S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:35
LINE POWER
TIME (SECONDS)

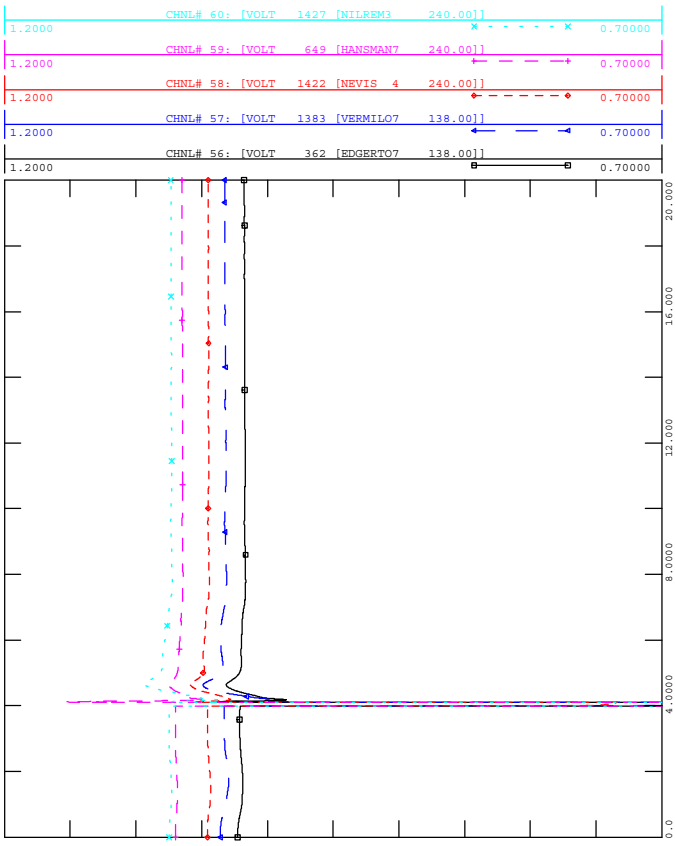

NEED_2021_WP_CASE05
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Cordel 755S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

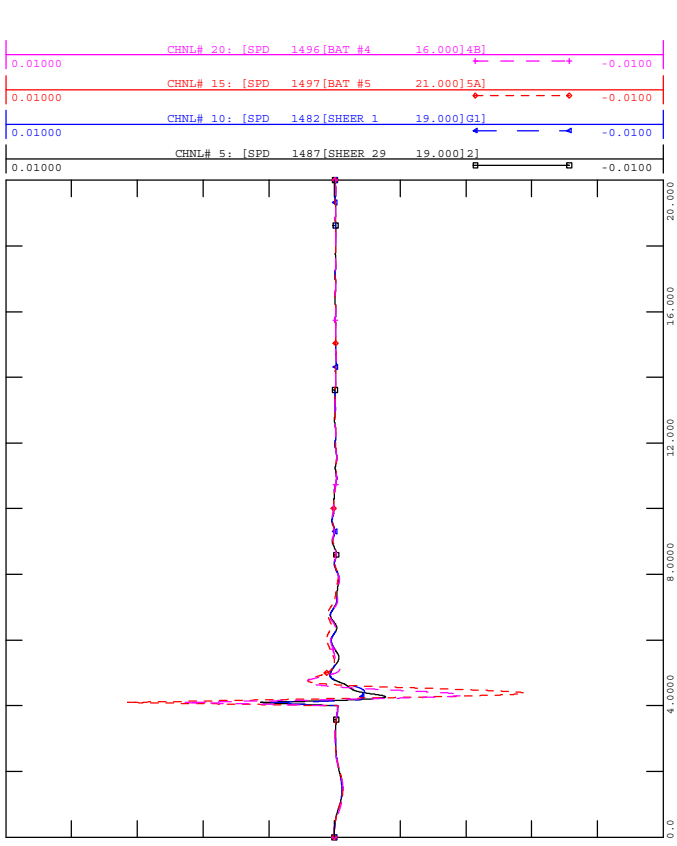


NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

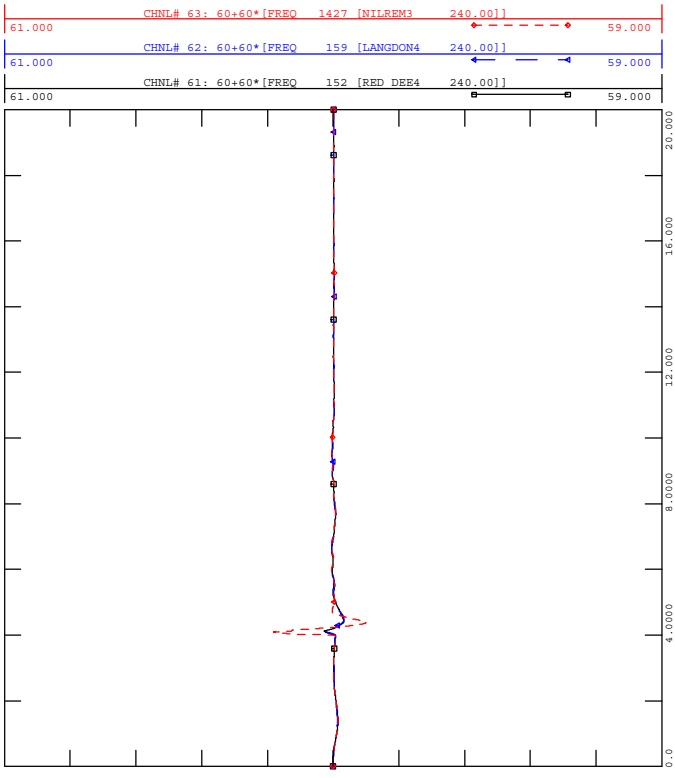


NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 13:35

FREQUENCY

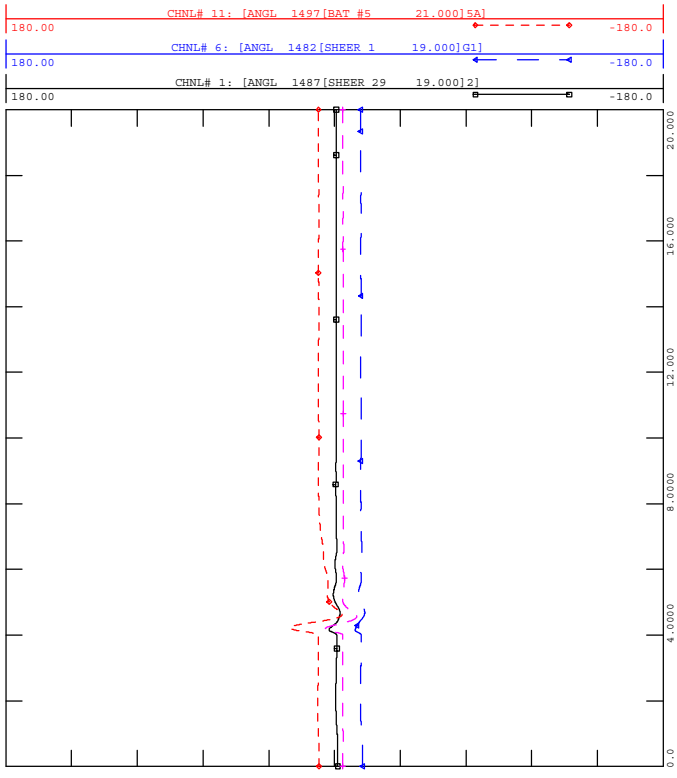


NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out

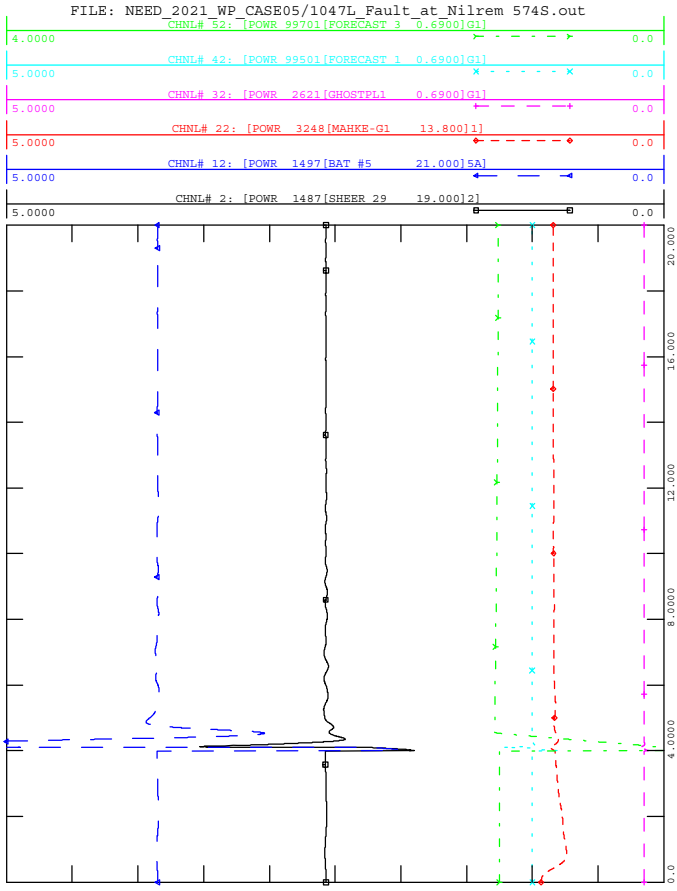
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out

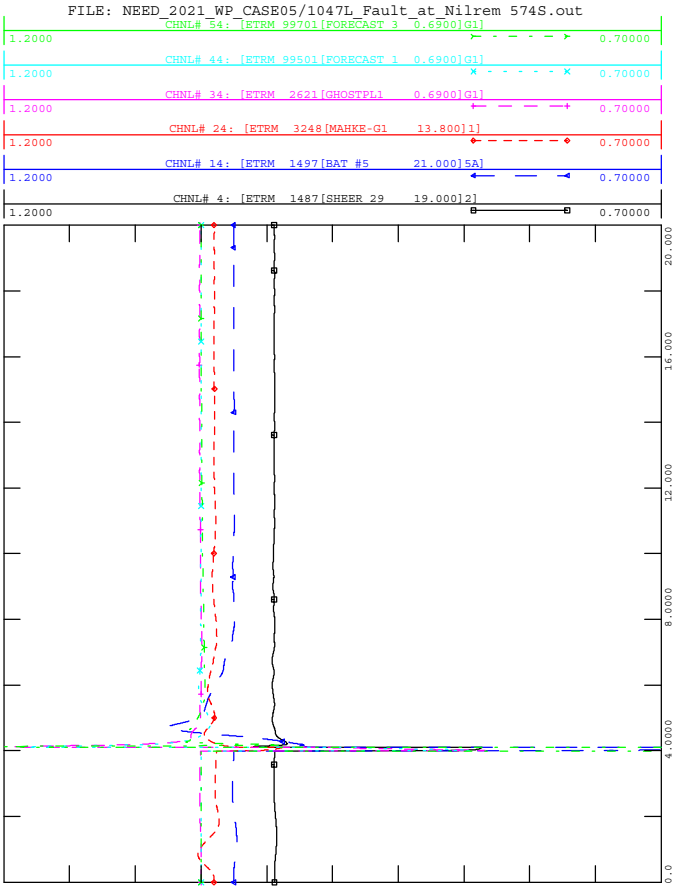


MON, NOV 21 2016 13:35

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out

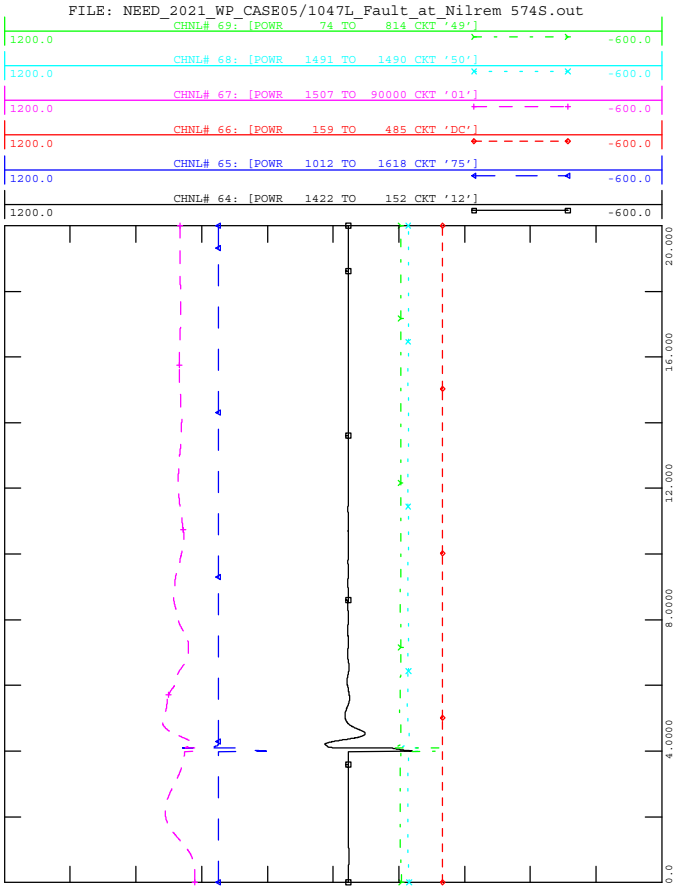


MON, NOV 21 2016 13:35

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out

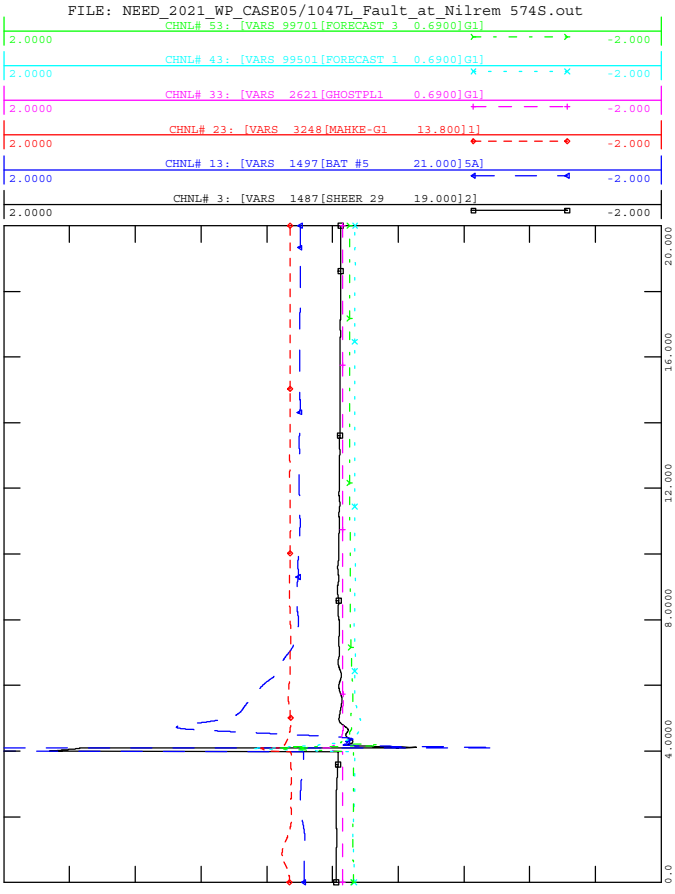


MON, NOV 21 2016 13:35

LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out



MON, NOV 21 2016 13:35

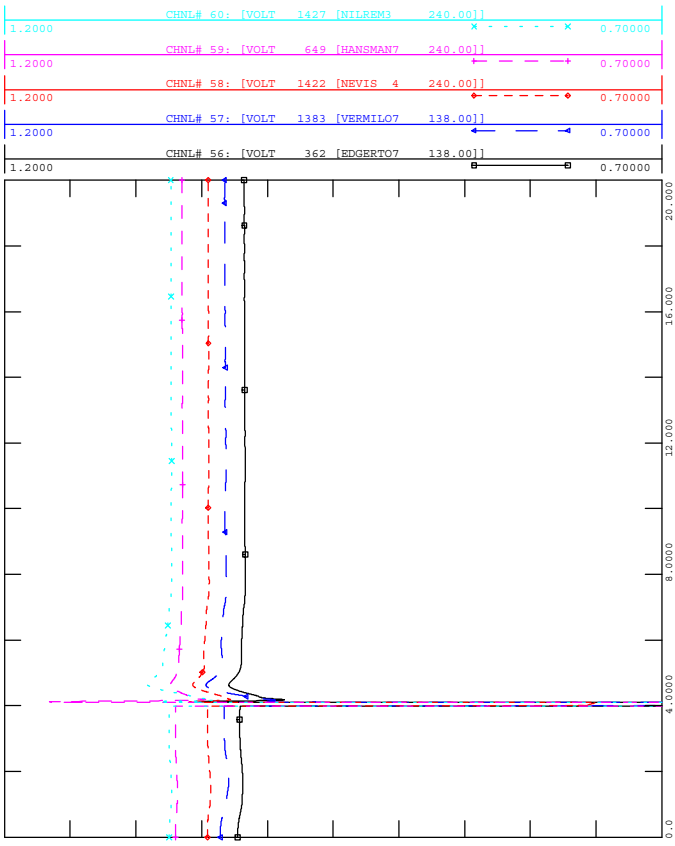
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

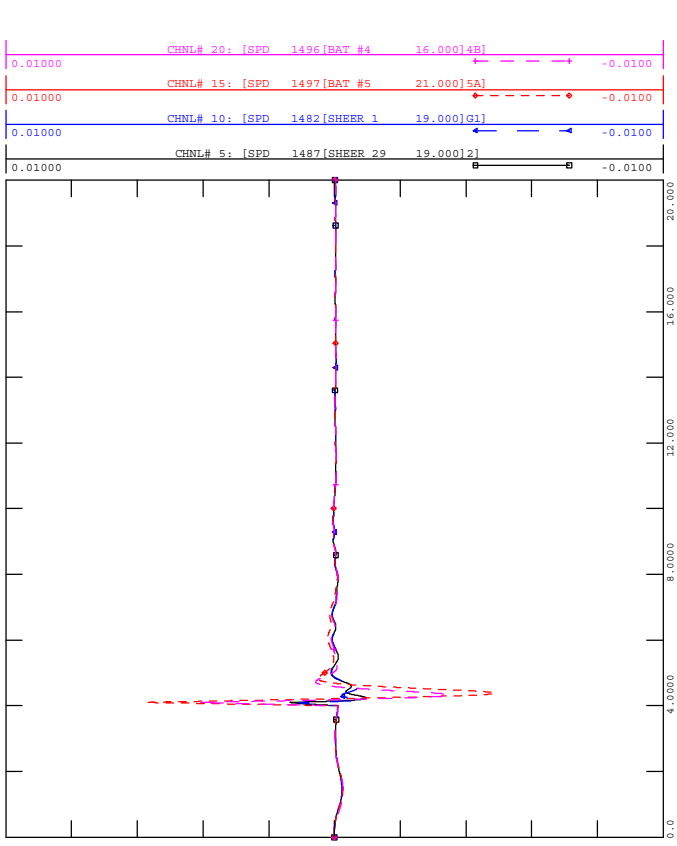


NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

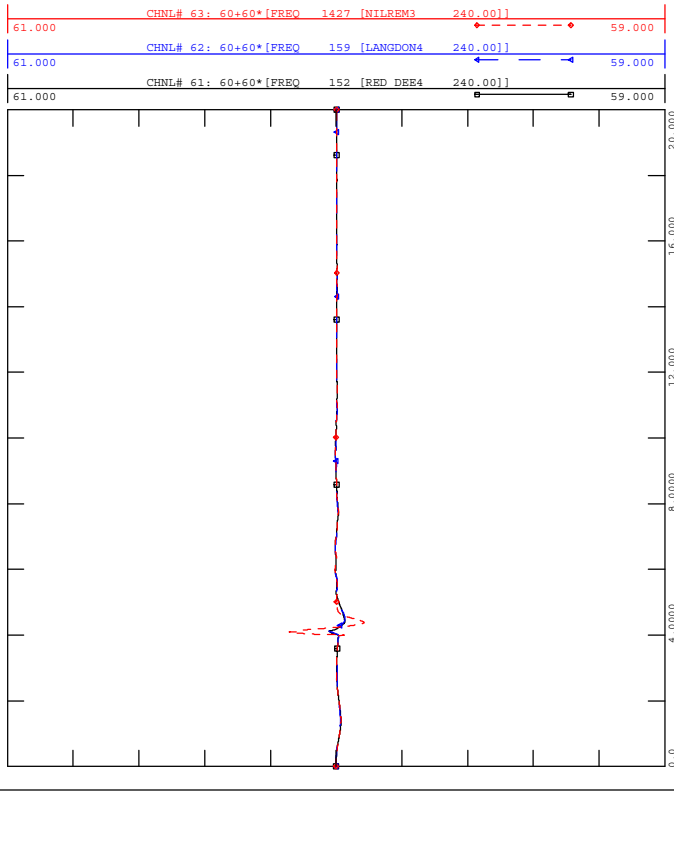


NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

FREQUENCY

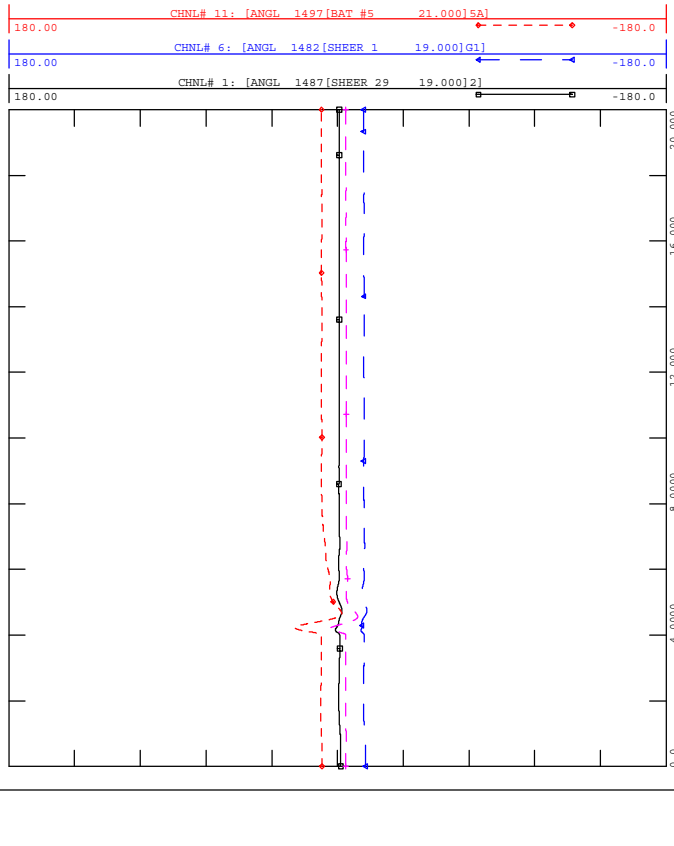


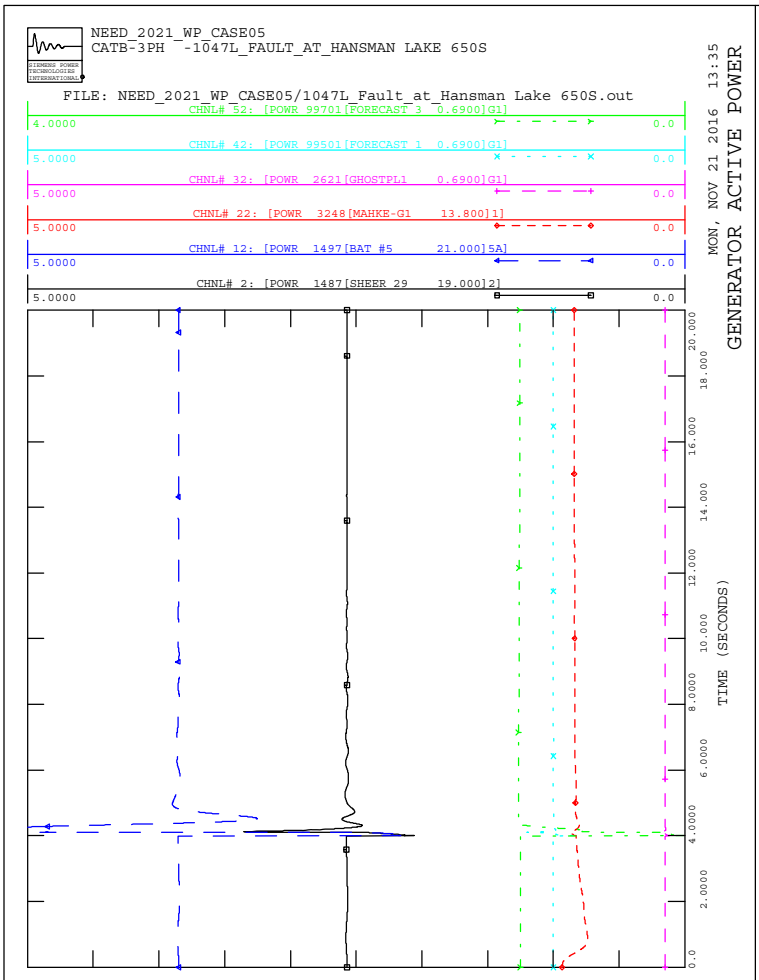
NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

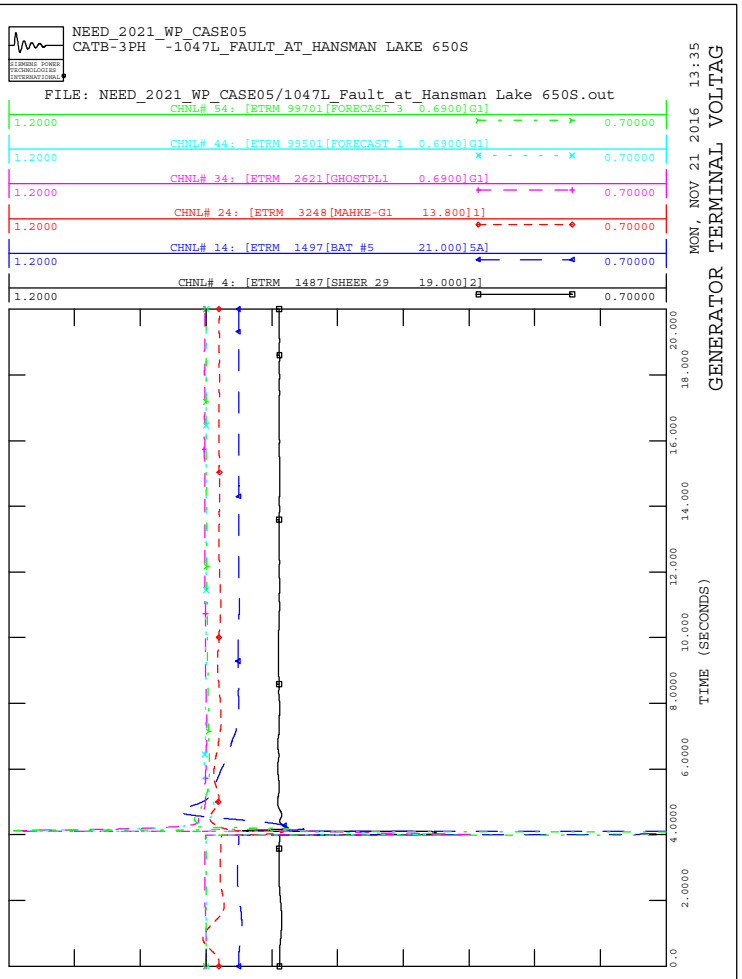
FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out

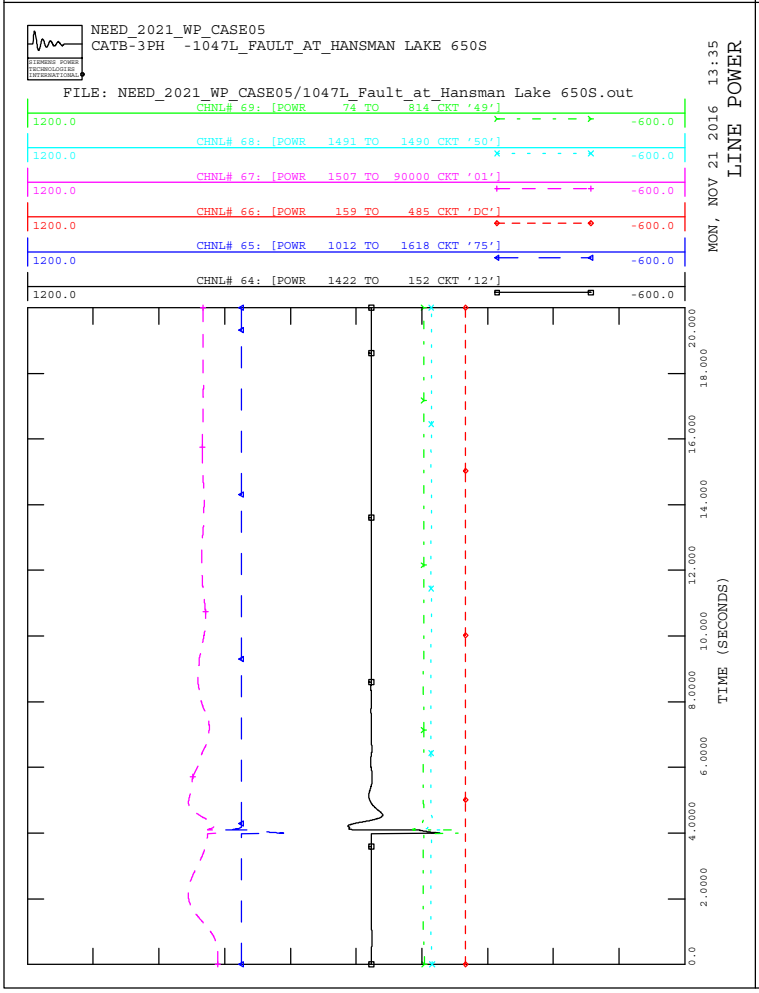
MON, NOV 21 2016 13:35

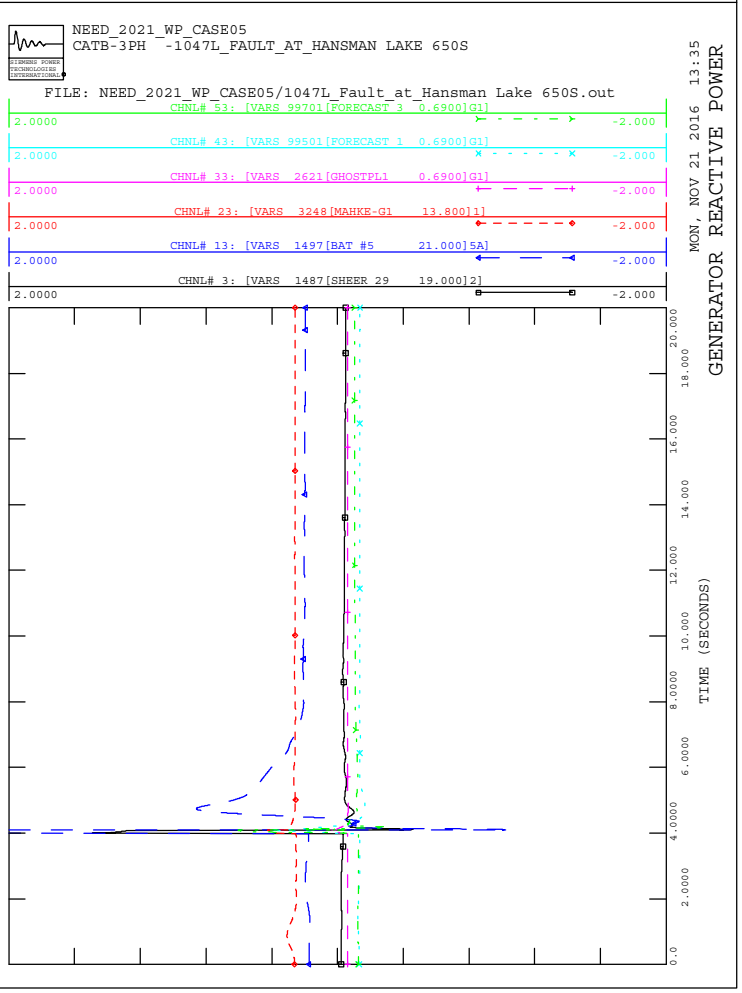
MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:35
LINE POWER

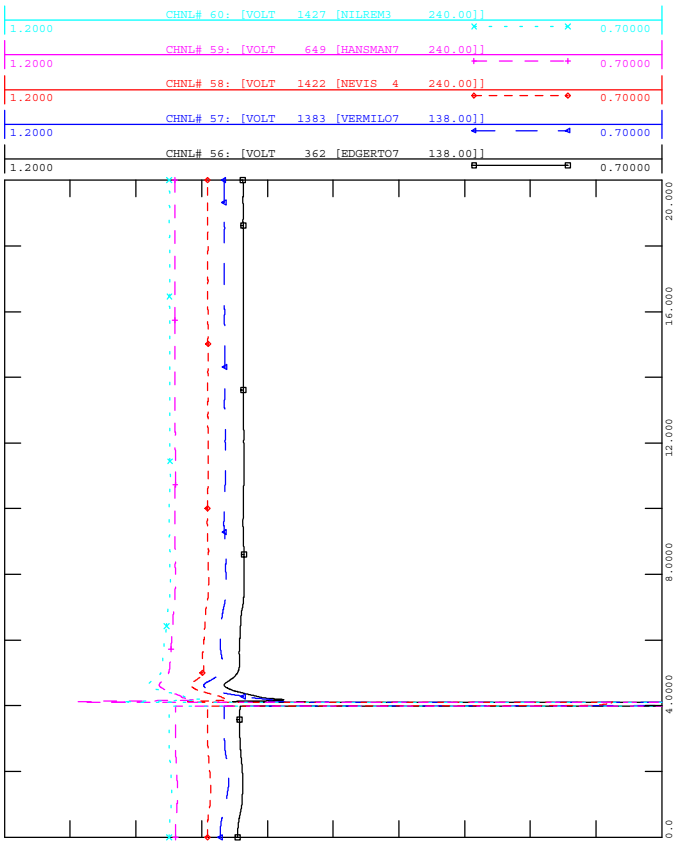

NEED_2021_WP_CASE05
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

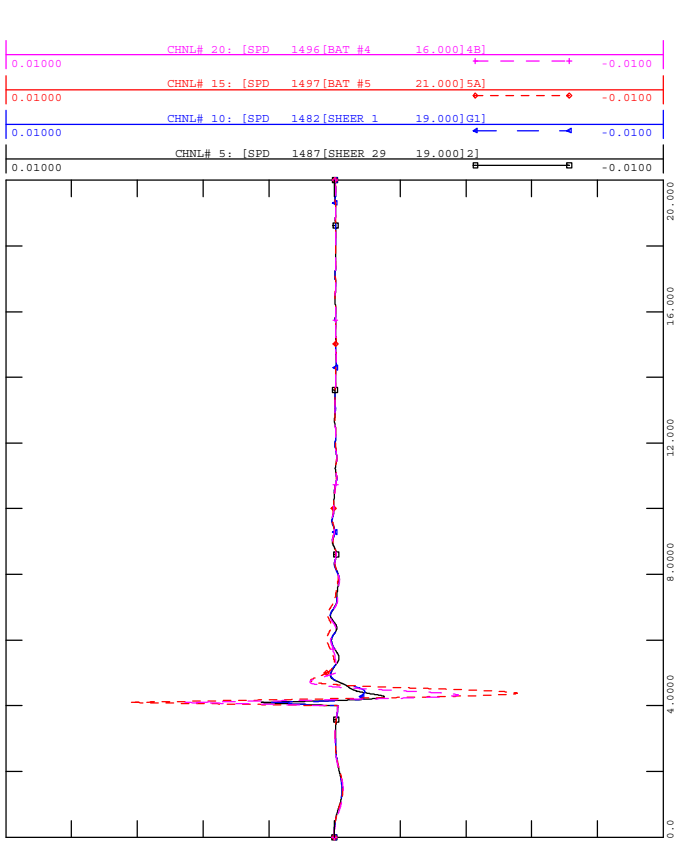


NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

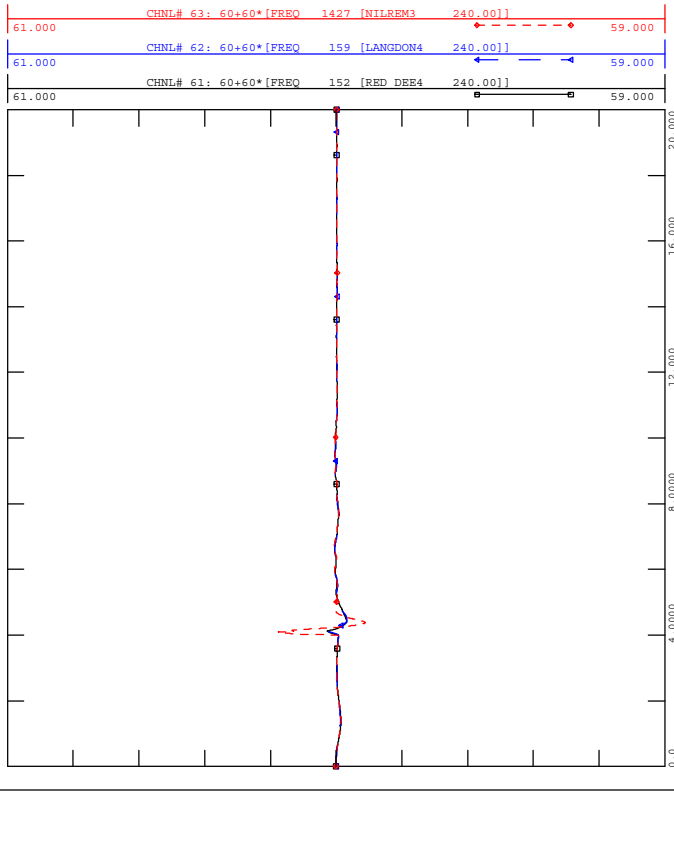


NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

FREQUENCY

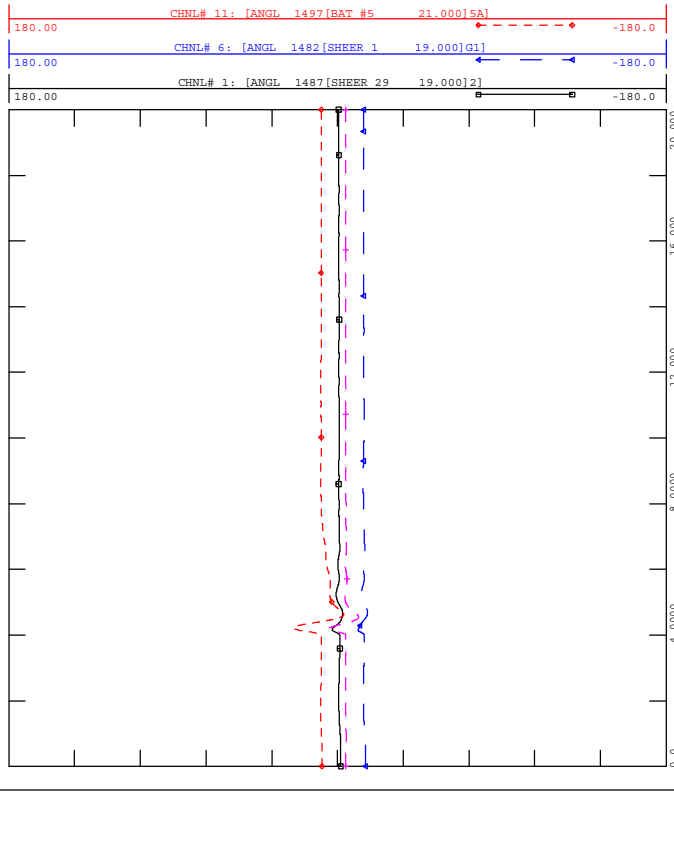


NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

GENERATOR ACTIVE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

GENERATOR TERMINAL VOLTAG

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

LINE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

GENERATOR REACTIVE POWER

MON, NOV 21 2016 13:35

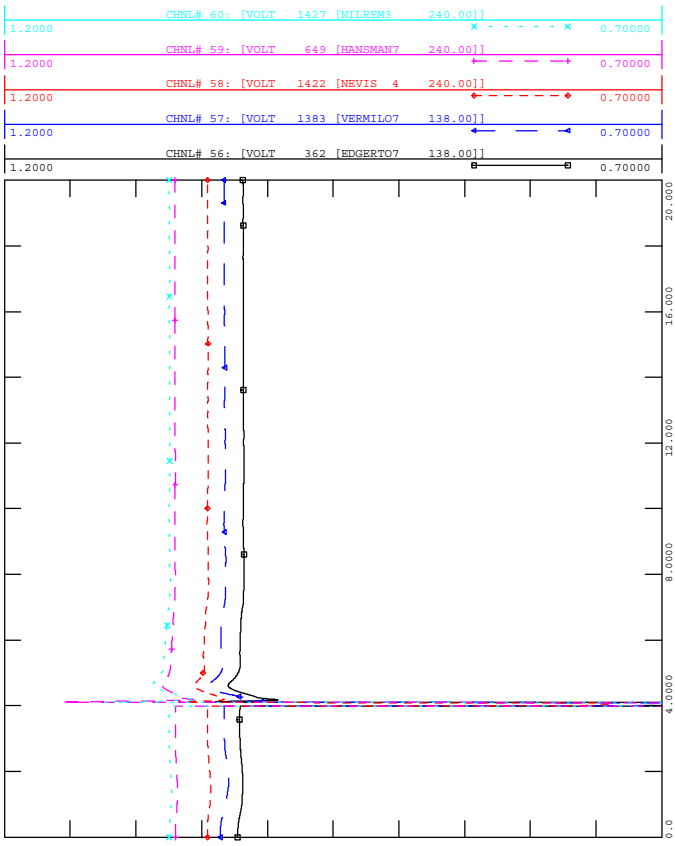
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

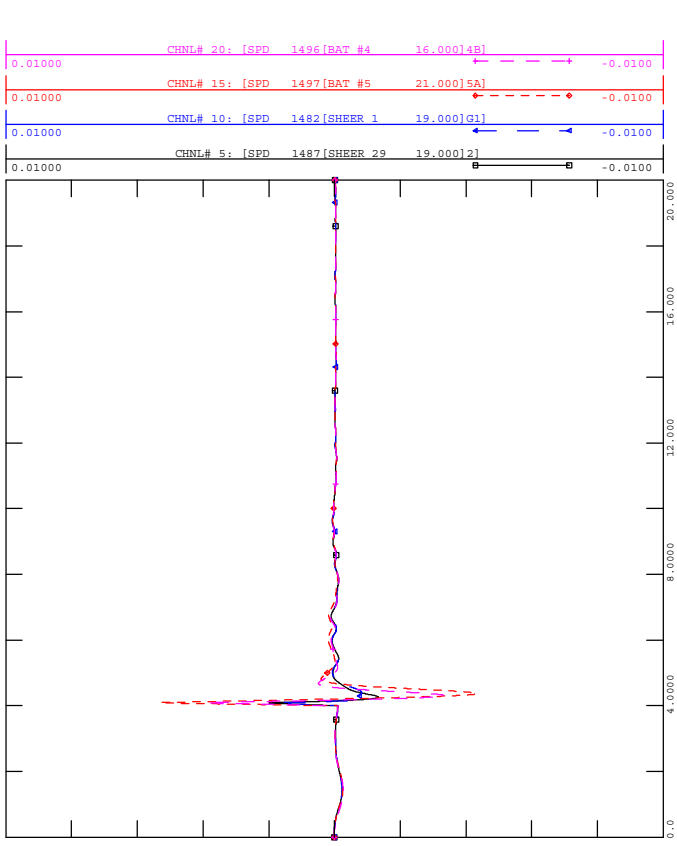


NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

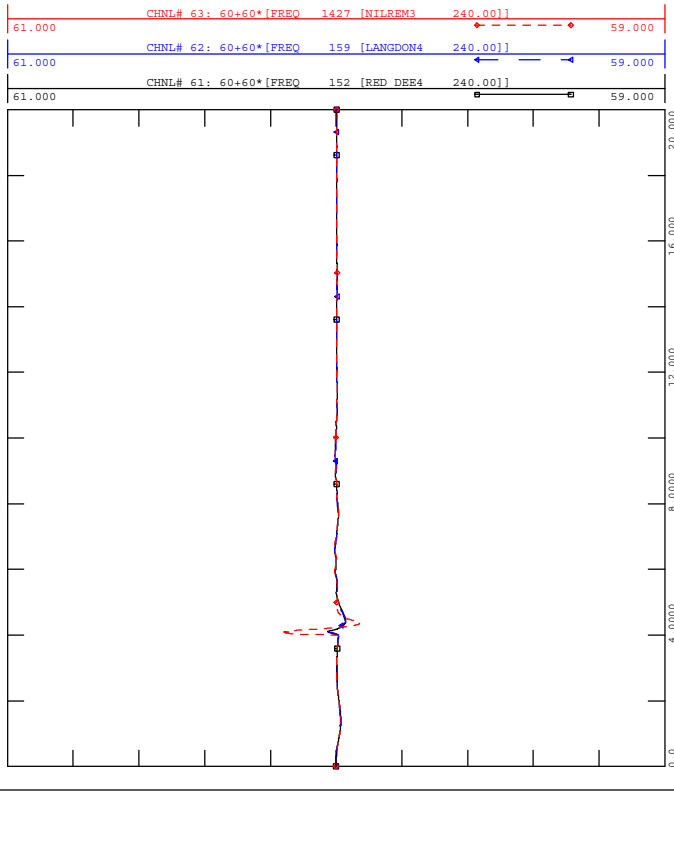


NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

FREQUENCY

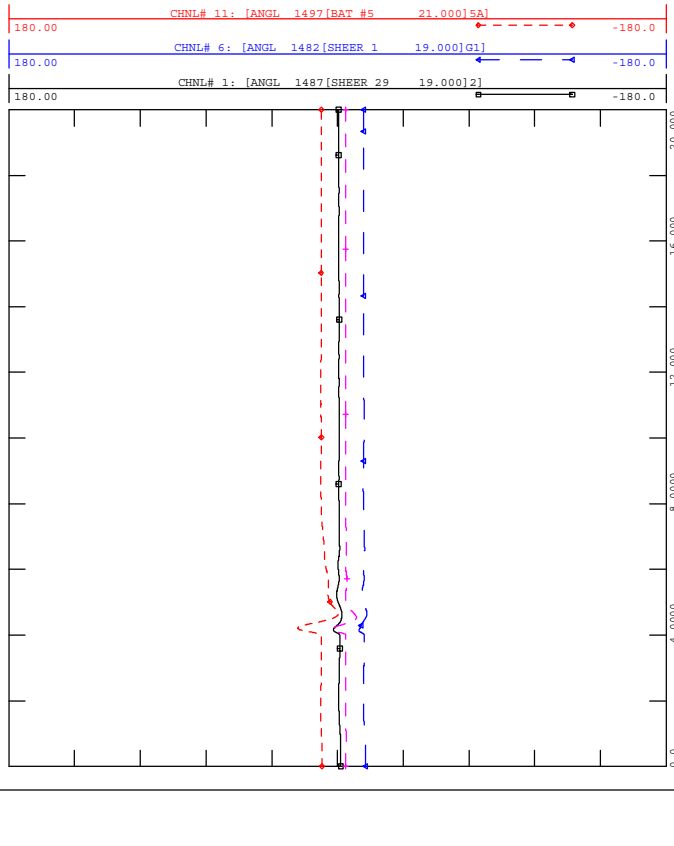


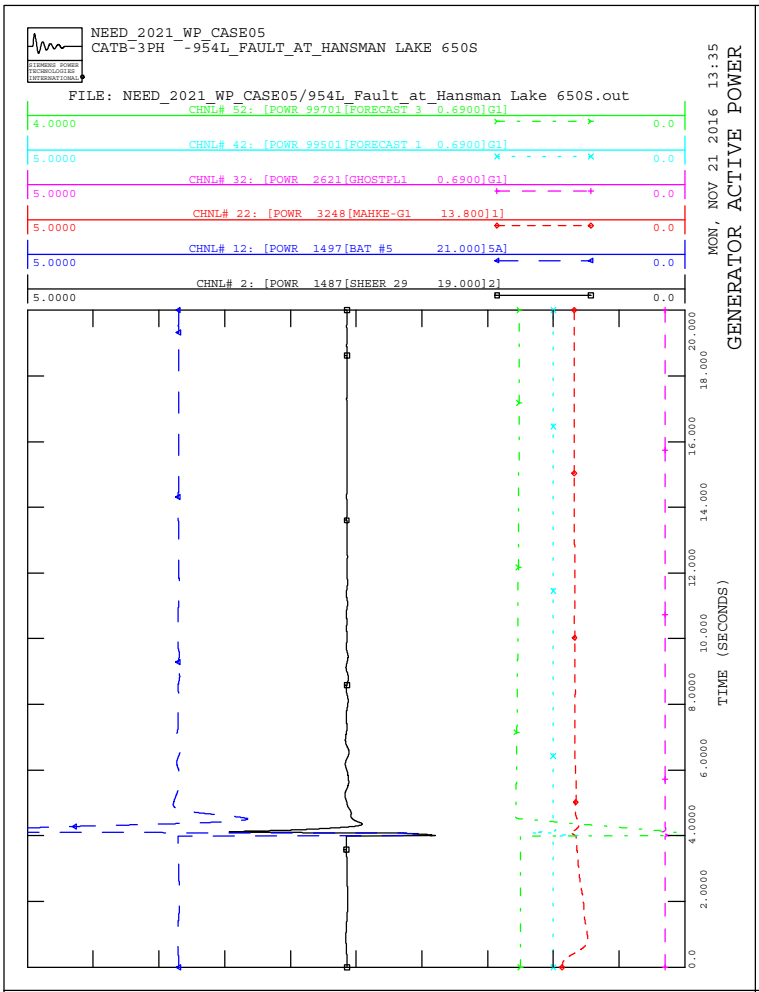
NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
5.0000
5.0000
5.0000
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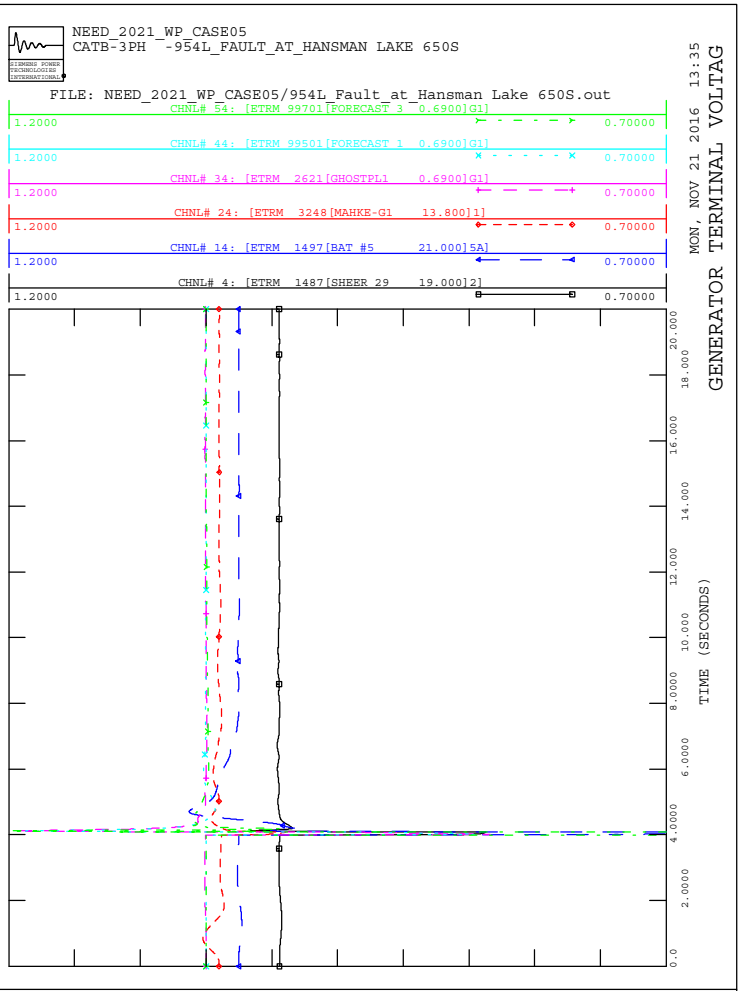
0.0
0.0
0.0
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
1.2000
1.2000
1.2000
1.2000
1.2000
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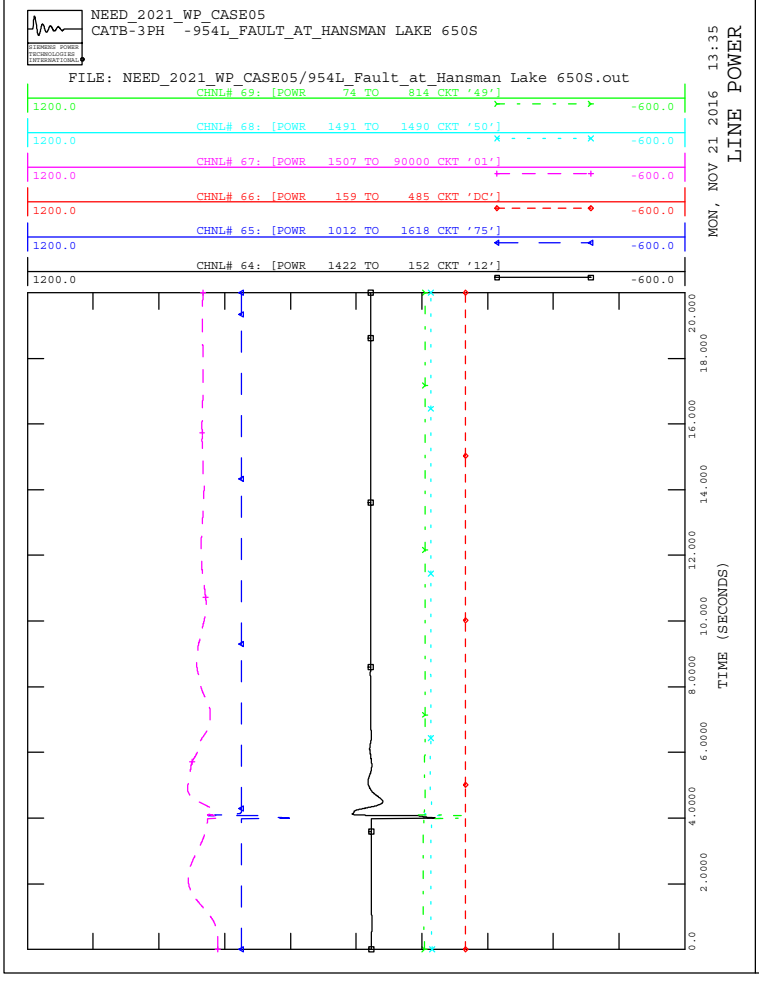
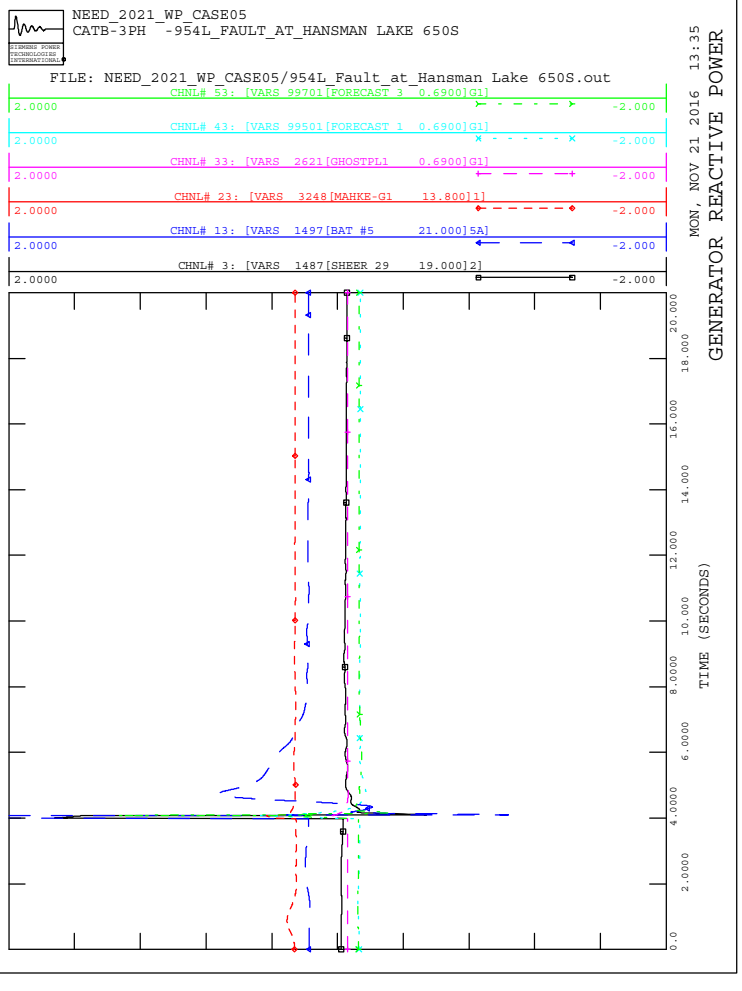
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
1200.0
1200.0
1200.0
1200.0
1200.0
-600.0
-600.0
-600.0
-600.0
-600.0
-600.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:35
LINE POWER

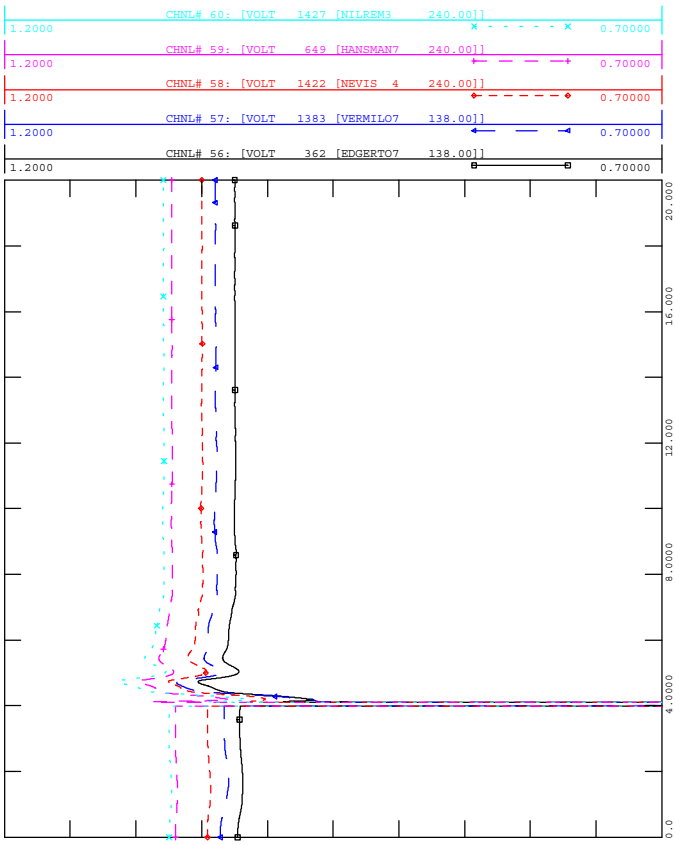

NEED_2021_WP_CASE05
CATB-3PH -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
2.0000
2.0000
2.0000
2.0000
2.0000
-2.000
-2.000
-2.000
-2.000
-2.000
-2.000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

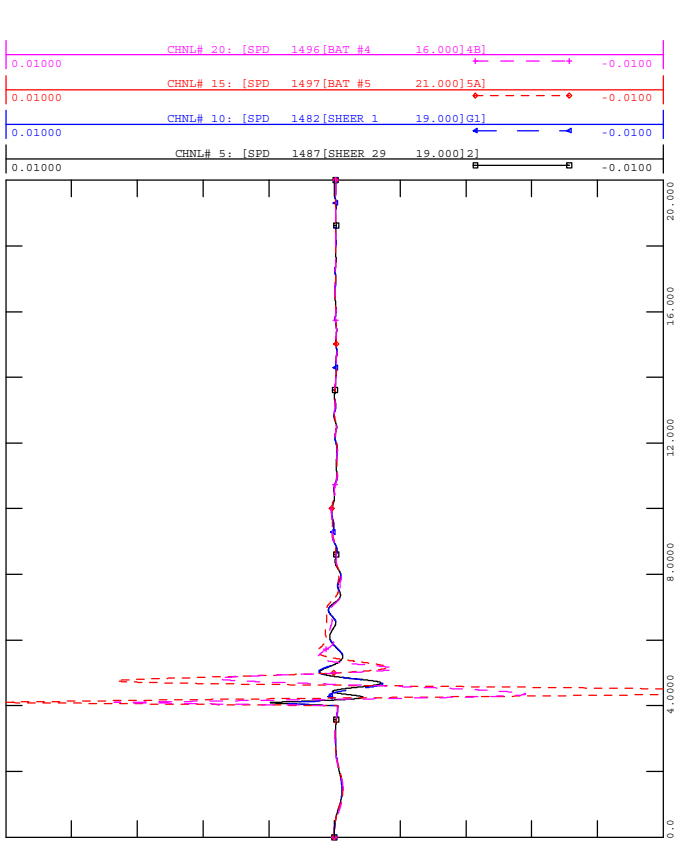


NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

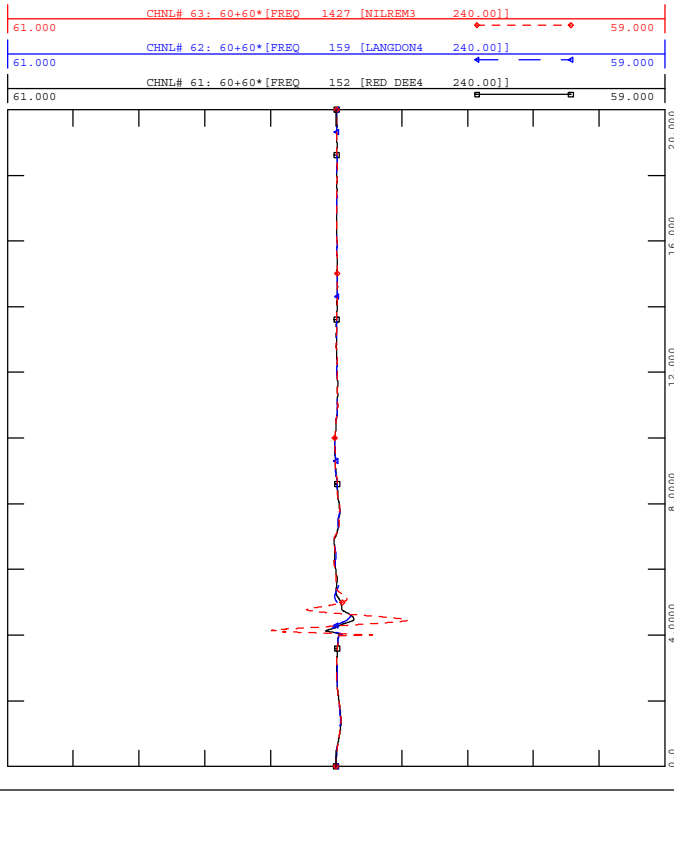


NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 13:35

FREQUENCY

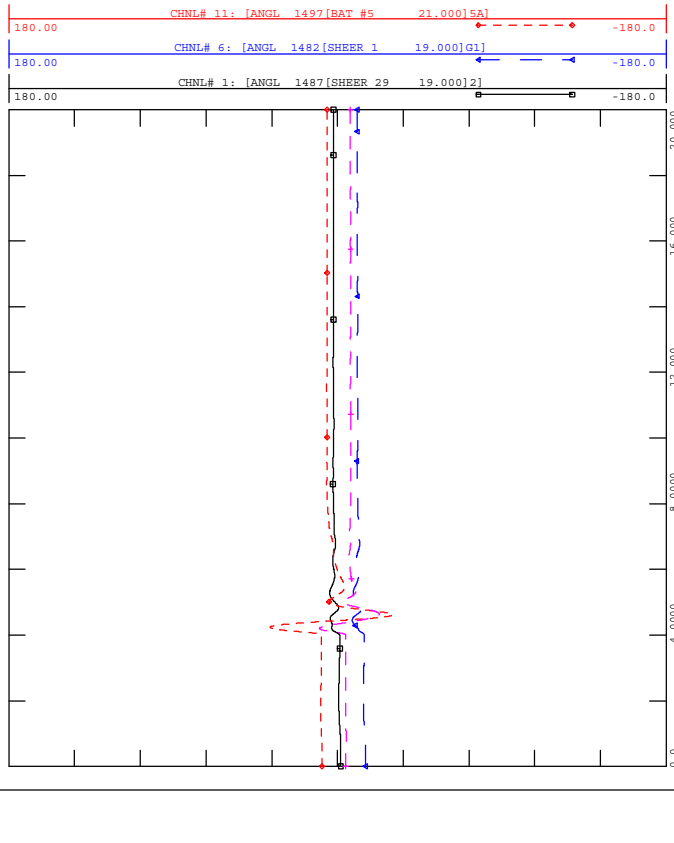


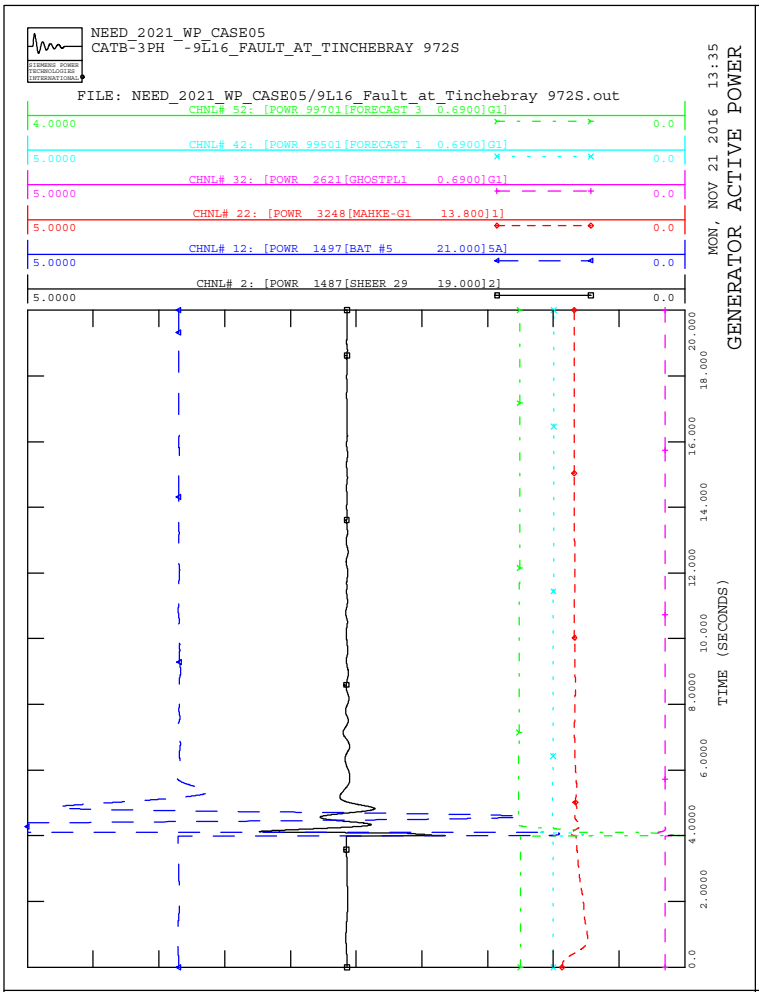
NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

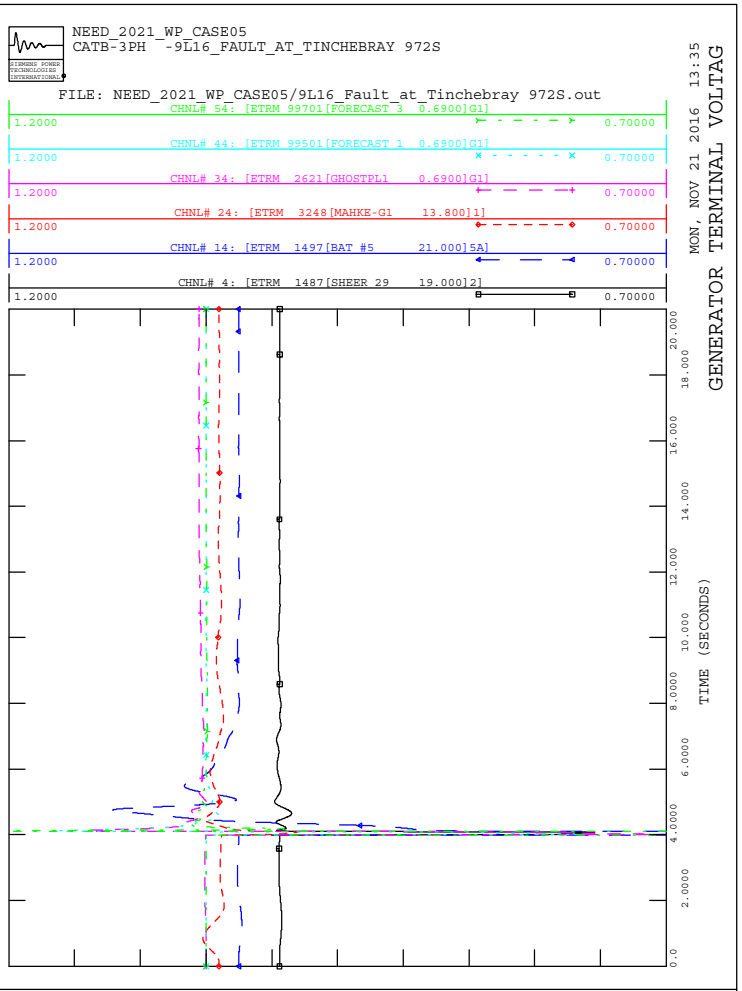
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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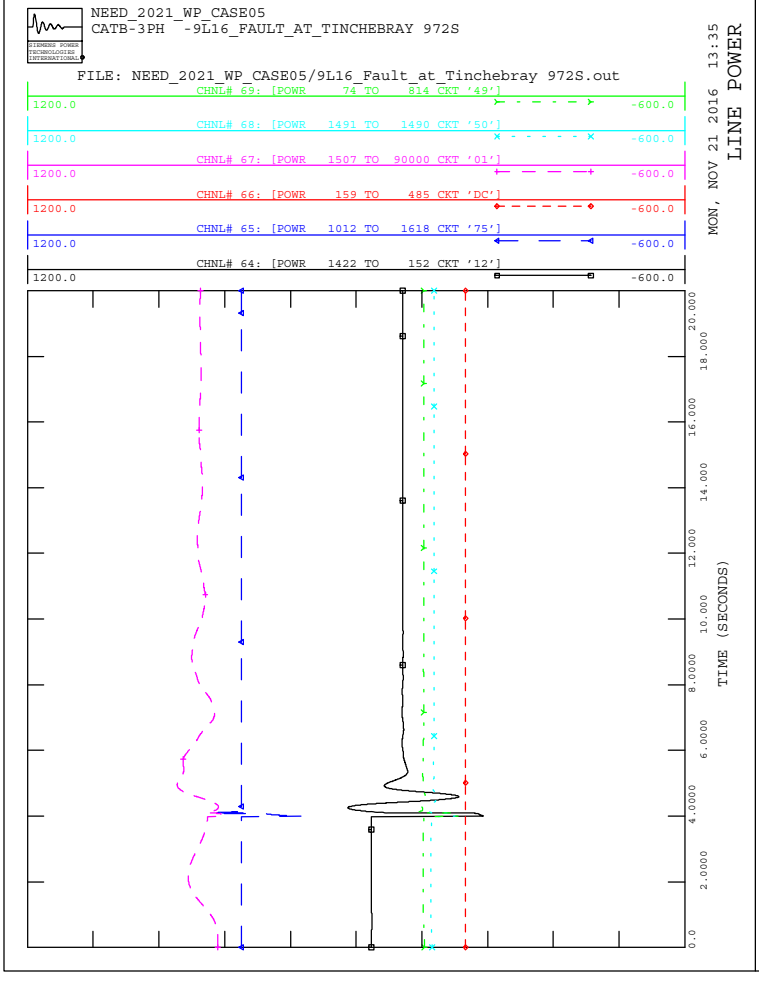
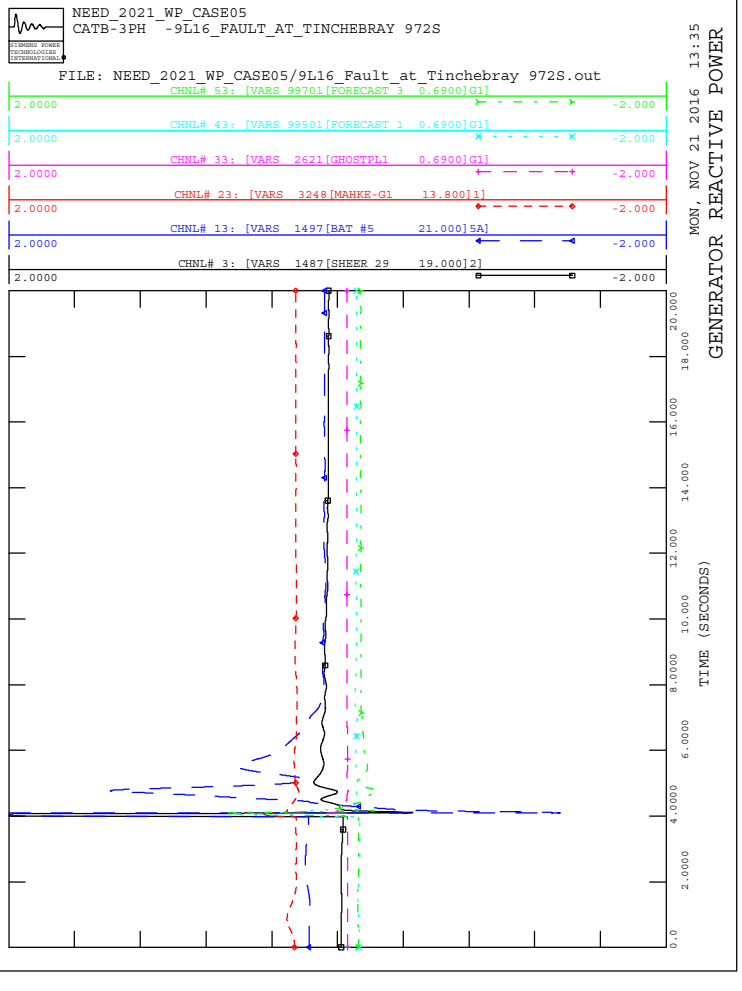
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 21 2016 13:35
LINE POWER

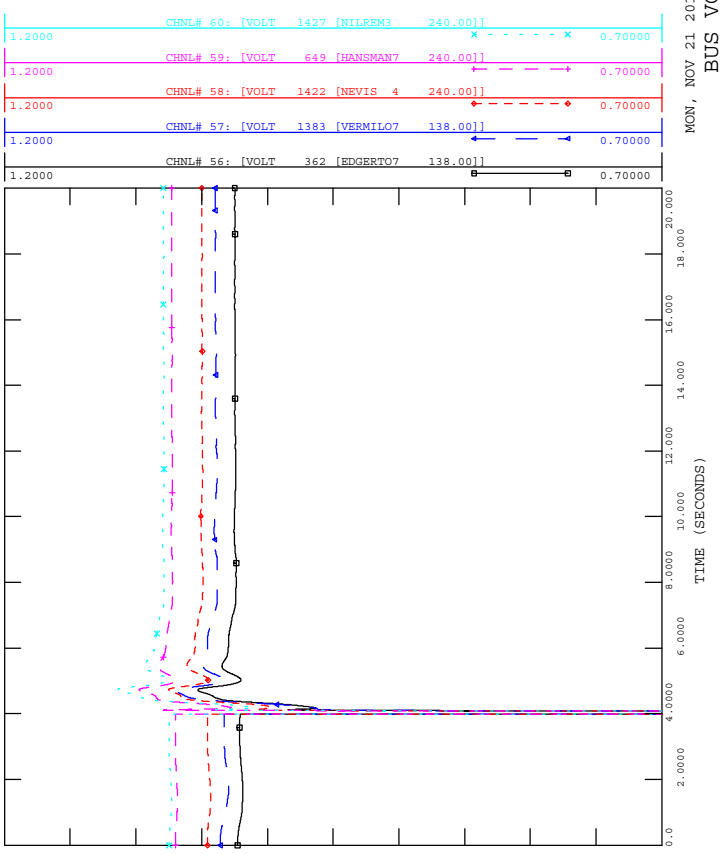

NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

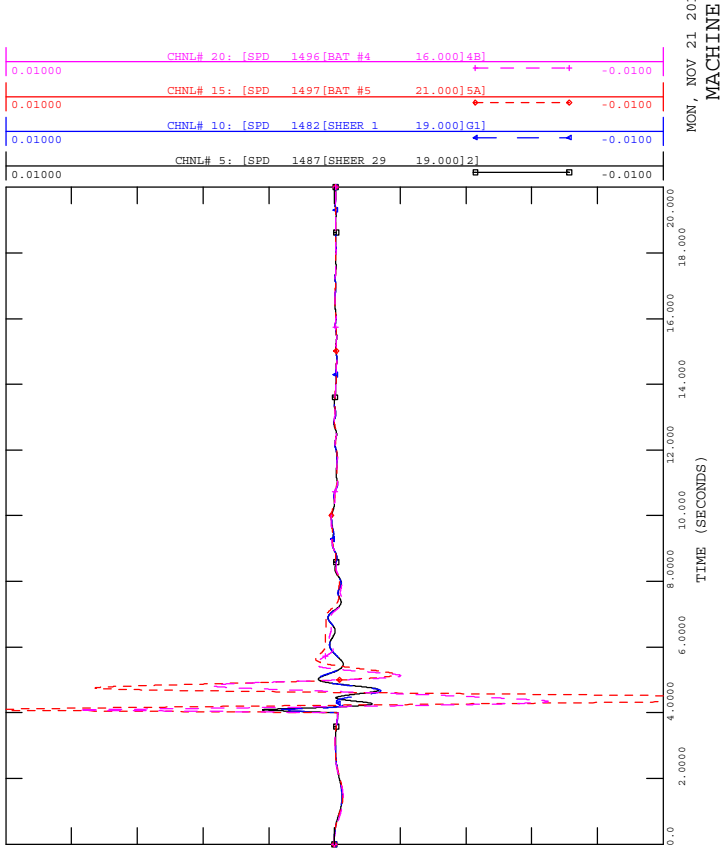


NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

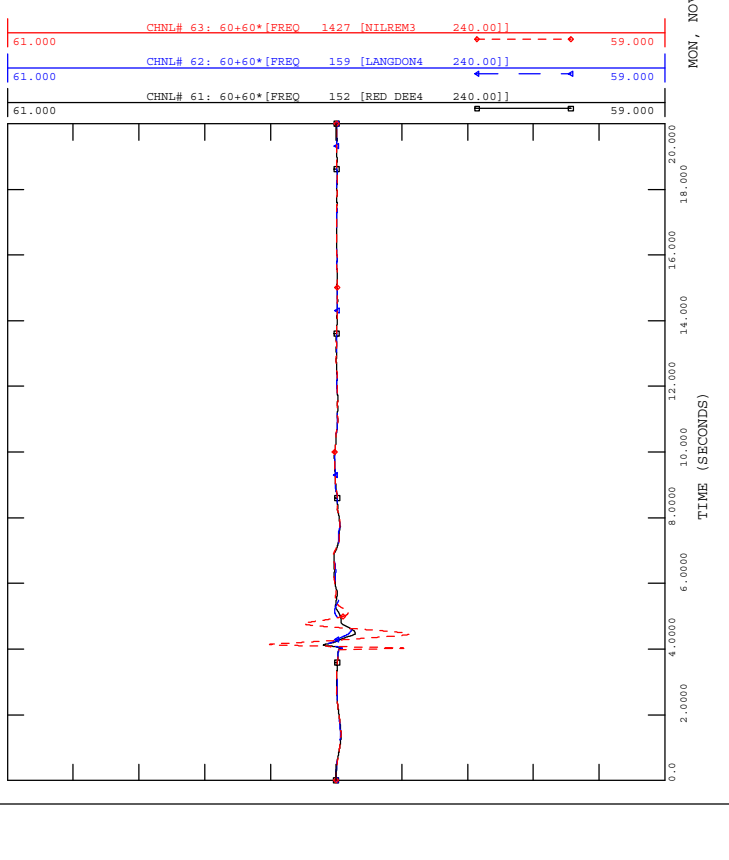


NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

FREQUENCY

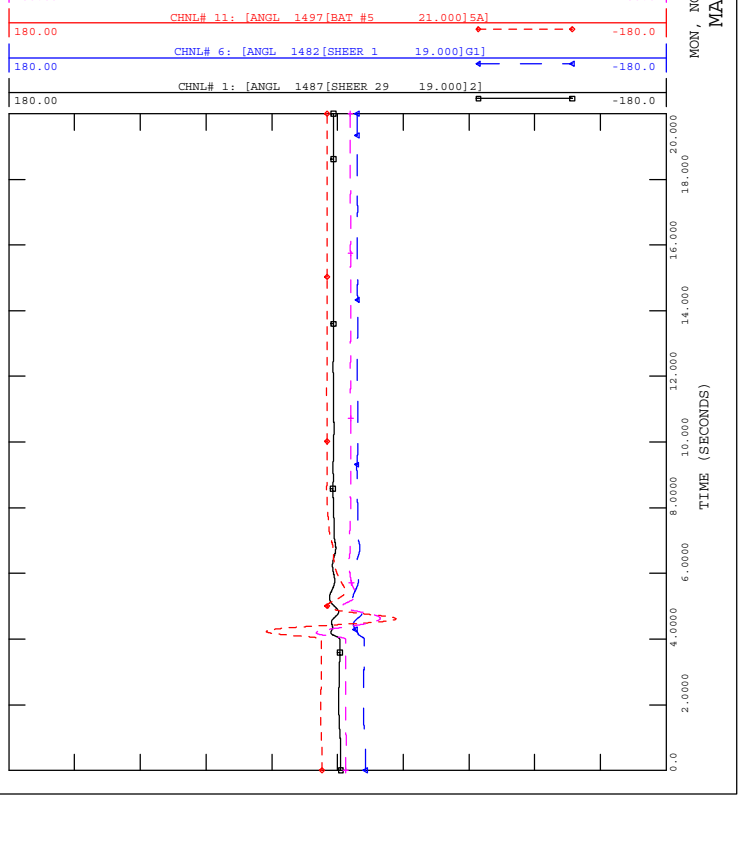


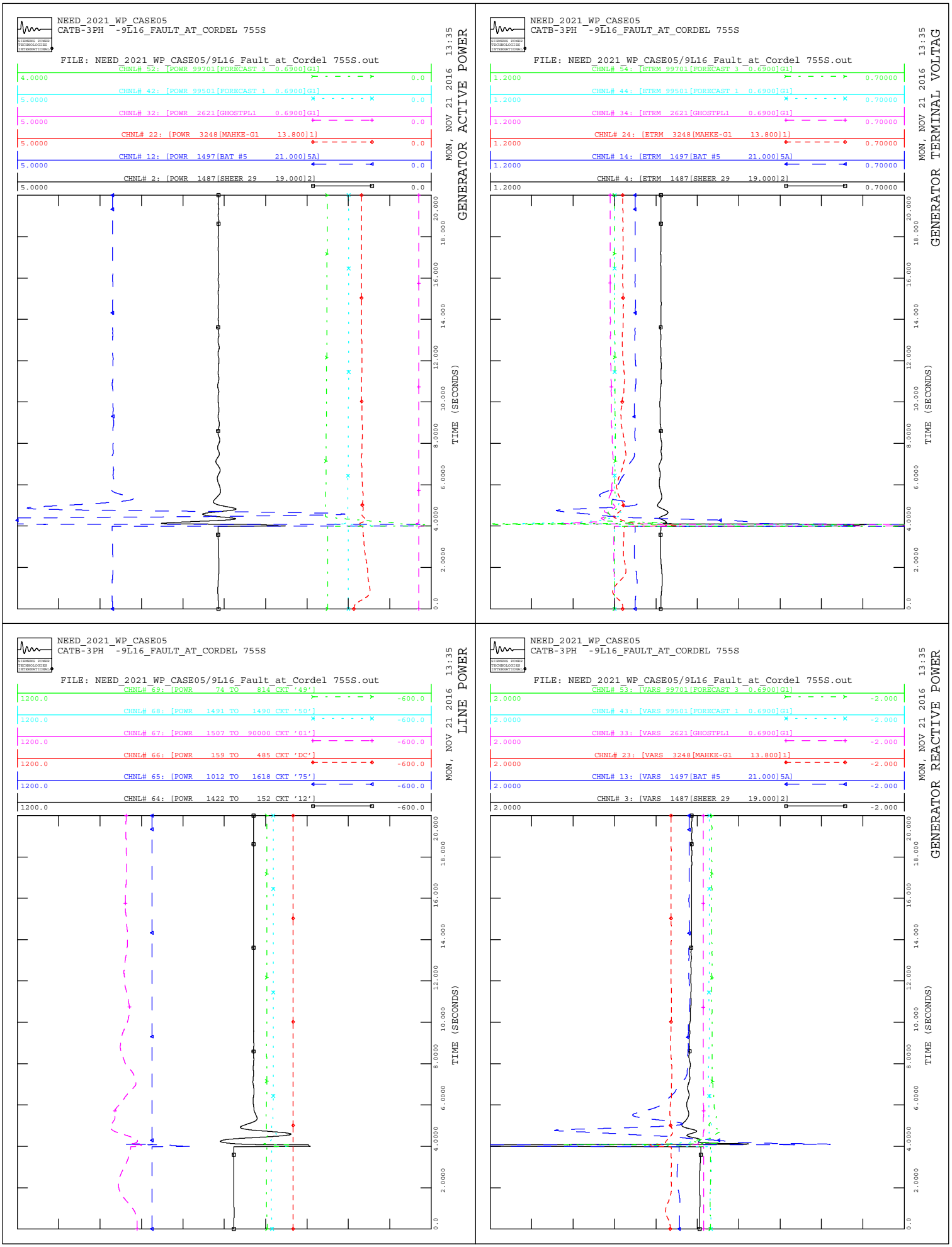
NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



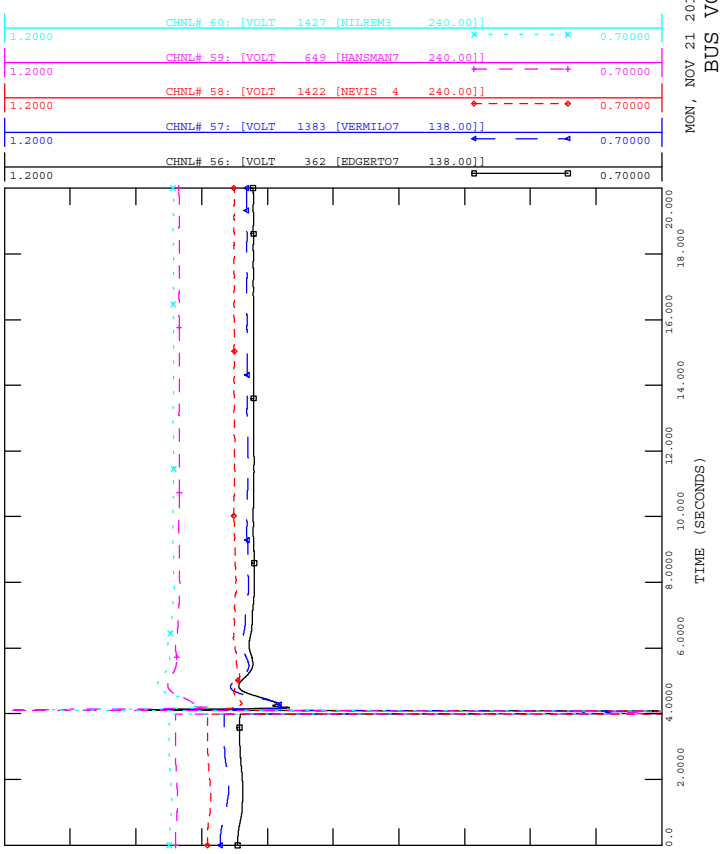

NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER
TIME (SECONDS)
NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:35
LINE POWER
TIME (SECONDS)
NEED_2021_WP_CASE05
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

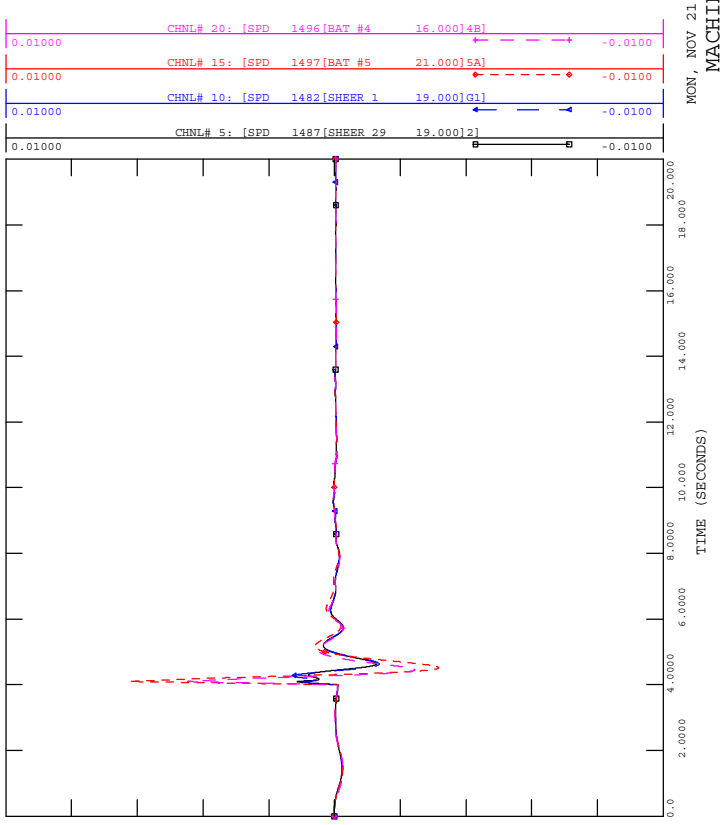


NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

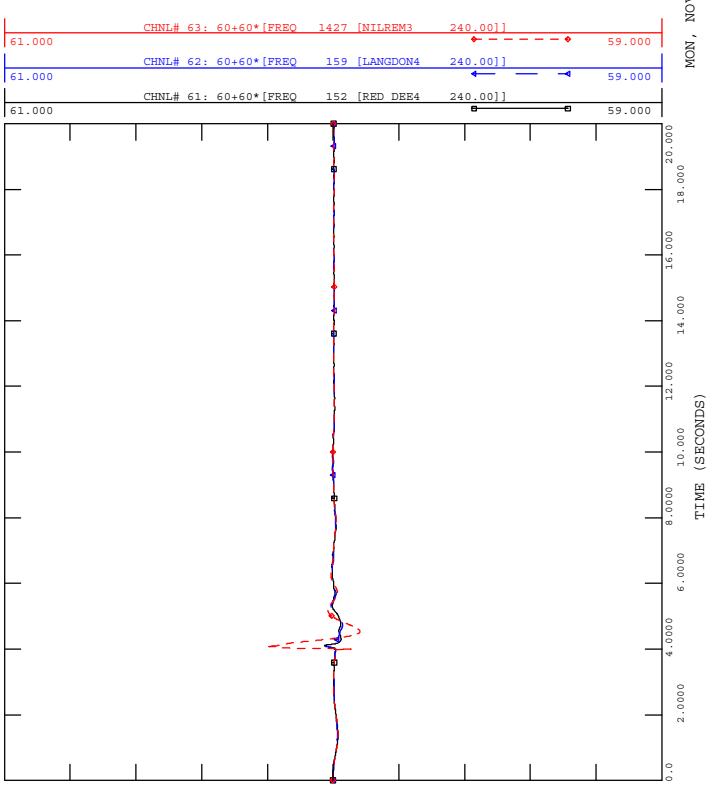


NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:35

FREQUENCY

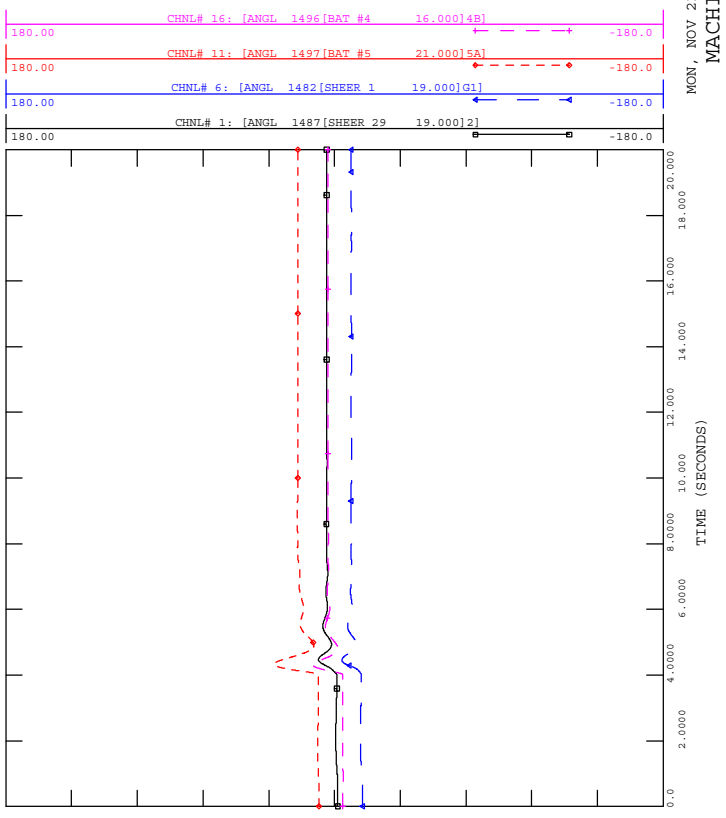


NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

GENERATOR ACTIVE POWER

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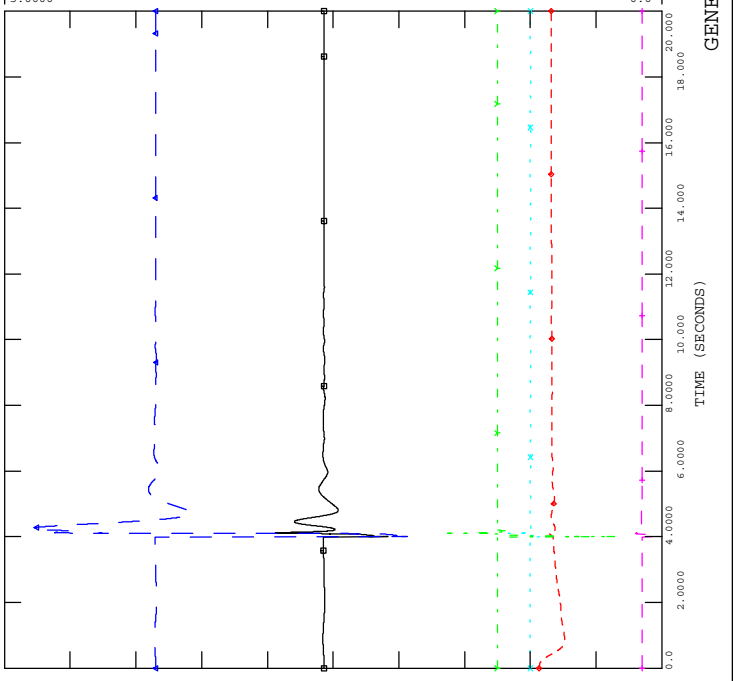
TIME (SECONDS)



NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

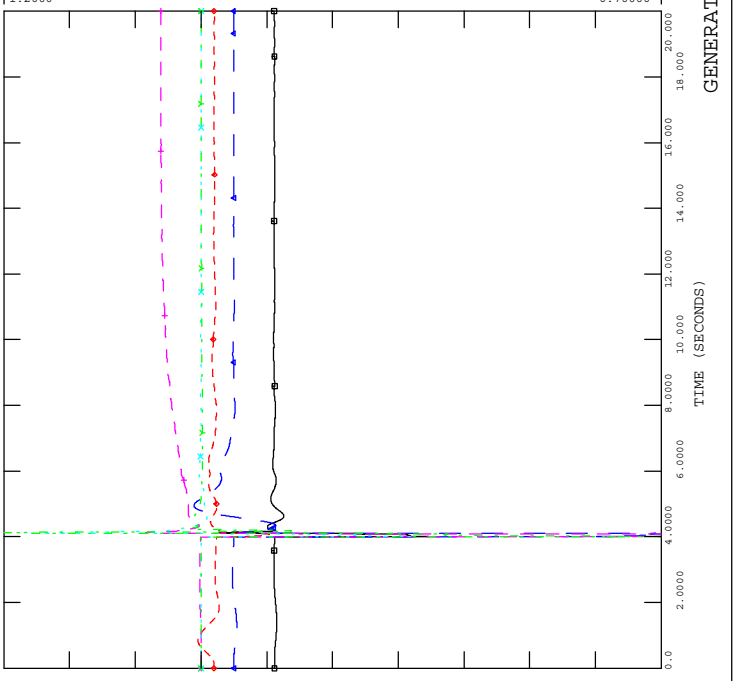
FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

GENERATOR TERMINAL VOLTAG

MON, NOV 21 2016 13:35

TIME (SECONDS)



NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

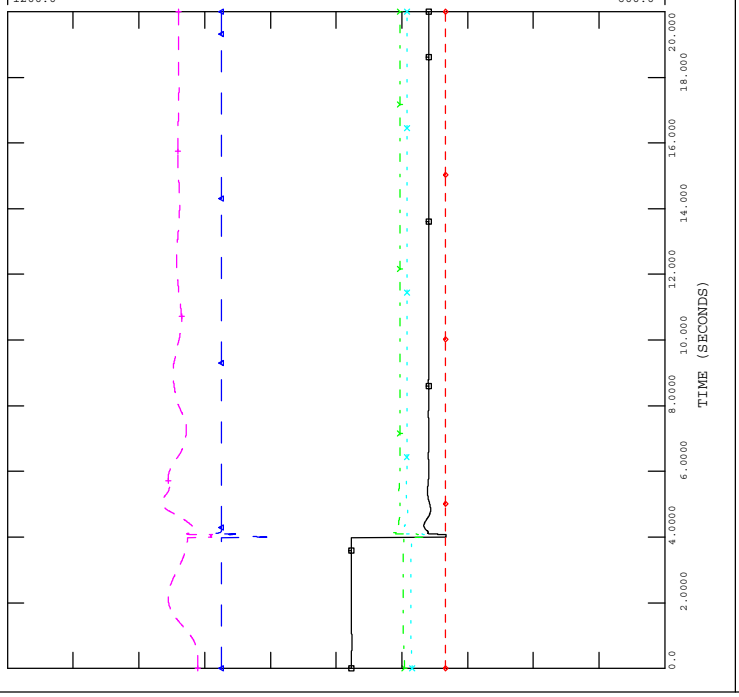
FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

LINE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)



NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

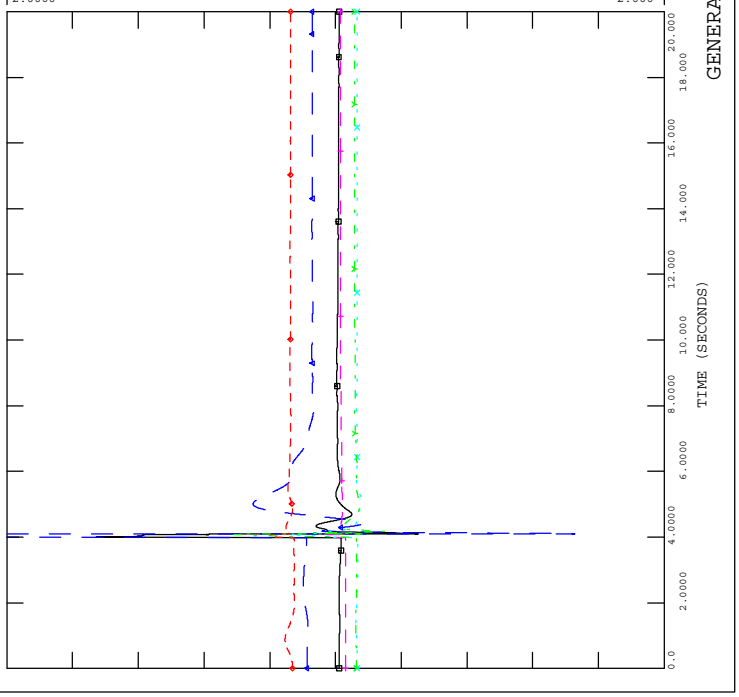
FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

GENERATOR REACTIVE POWER

MON, NOV 21 2016 13:35

TIME (SECONDS)

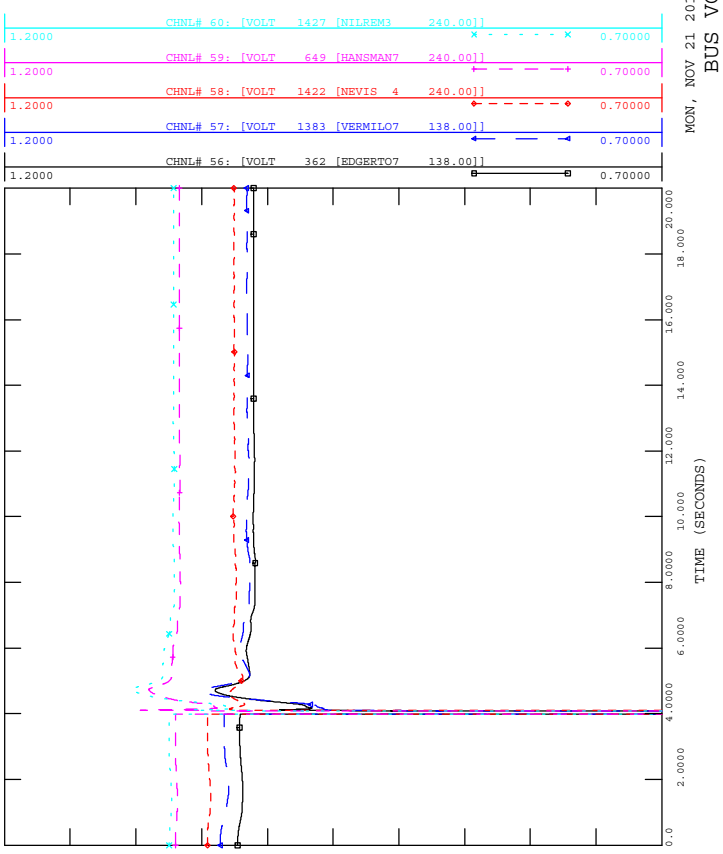


NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

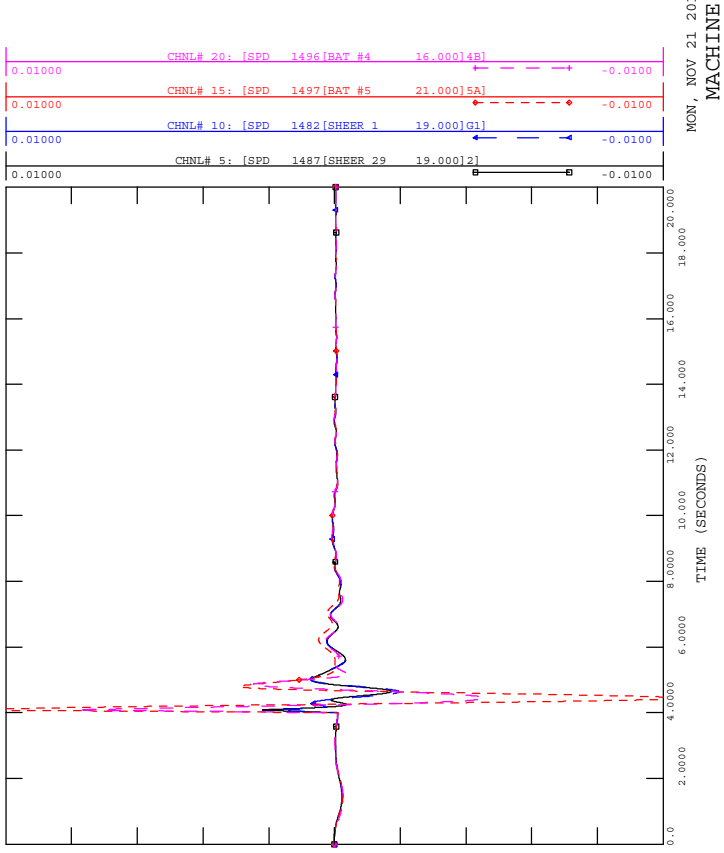


NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

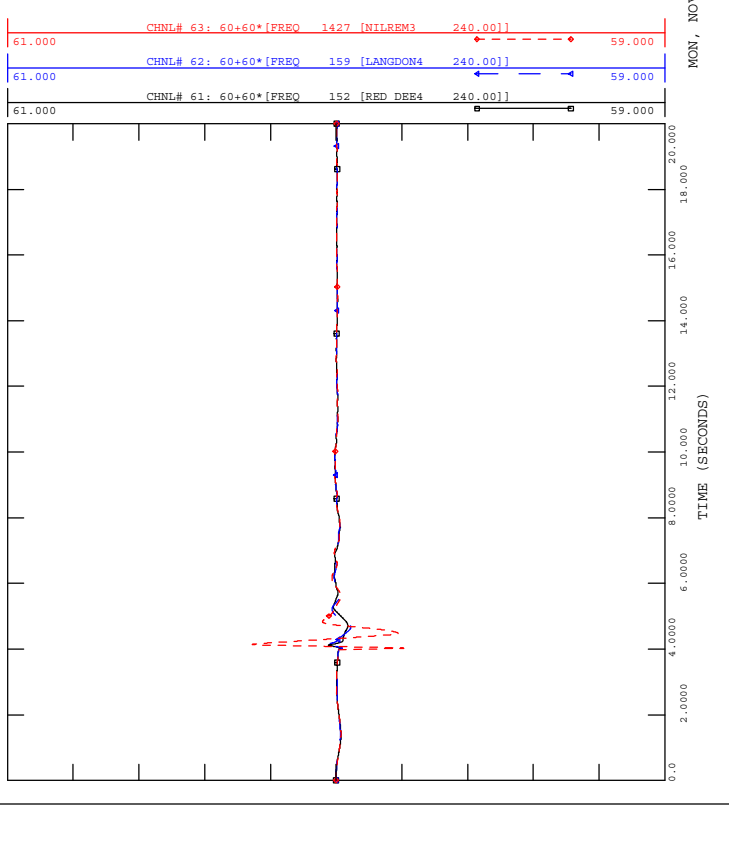


NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

FREQUENCY

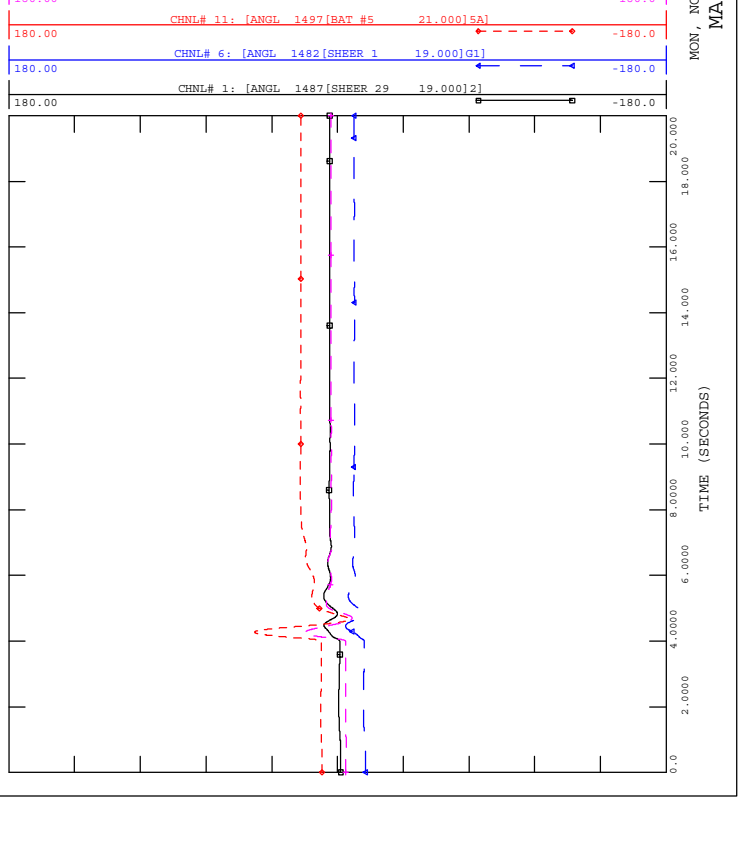


NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out

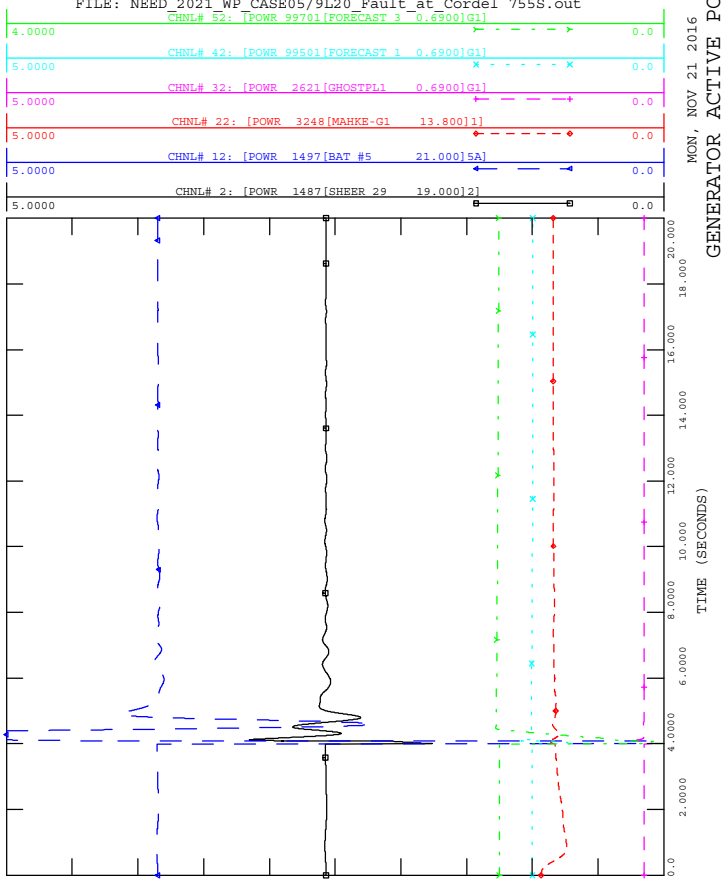
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out



NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

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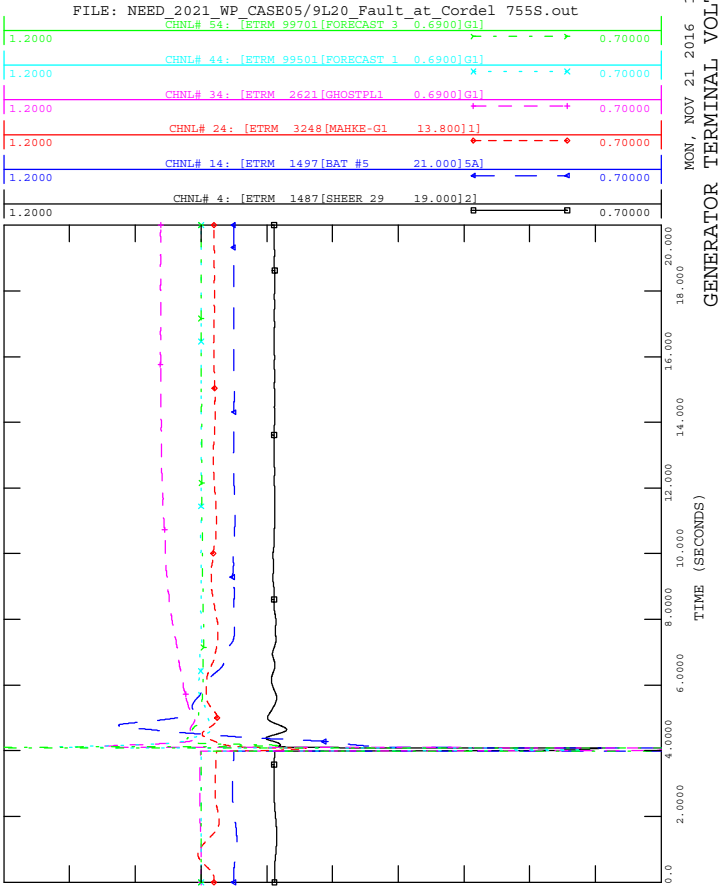
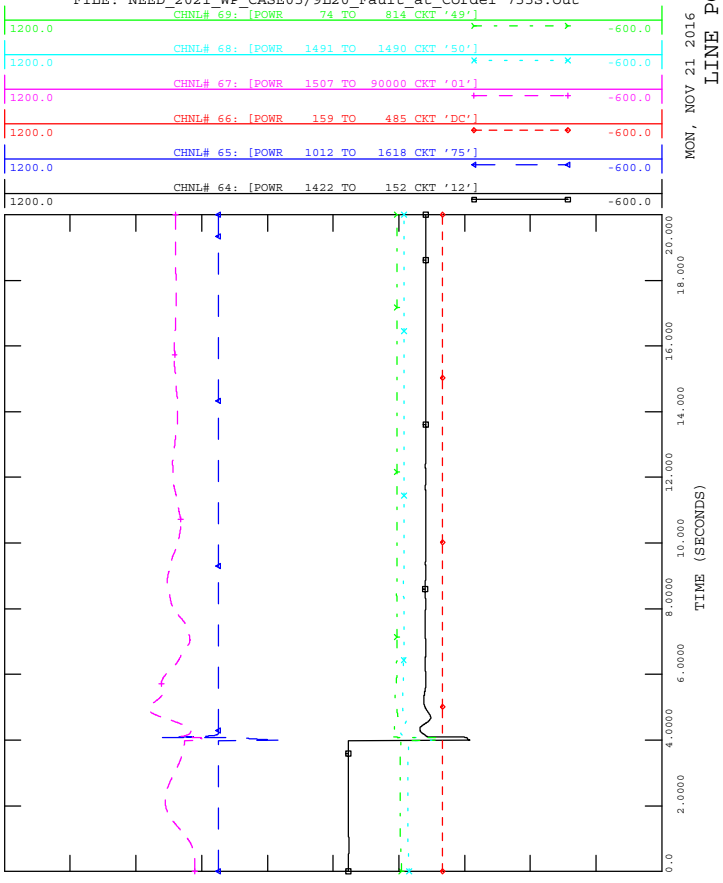


NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out



NEED_2021_WP_CASE05
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

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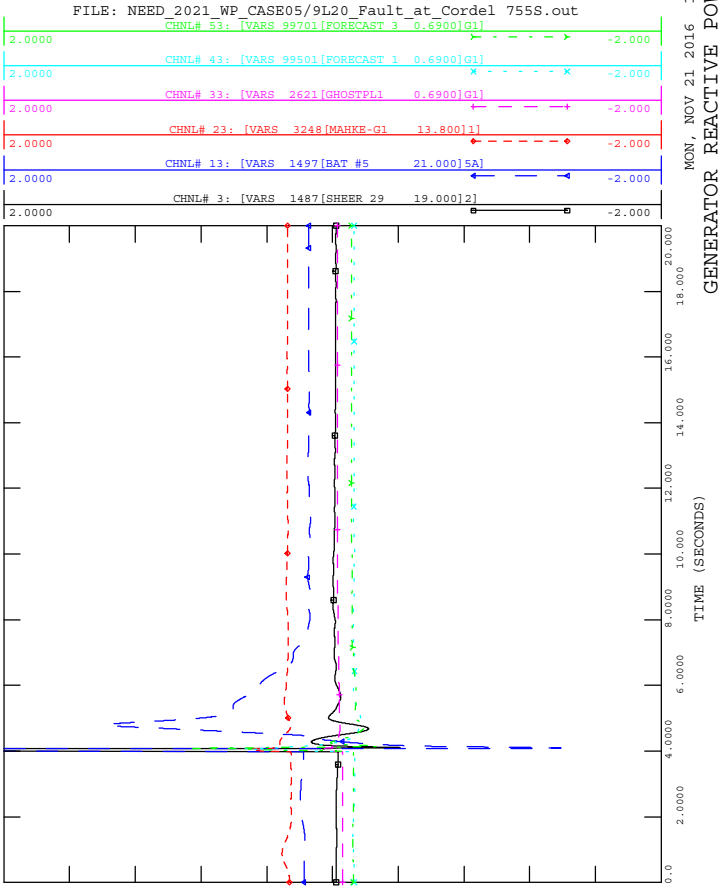
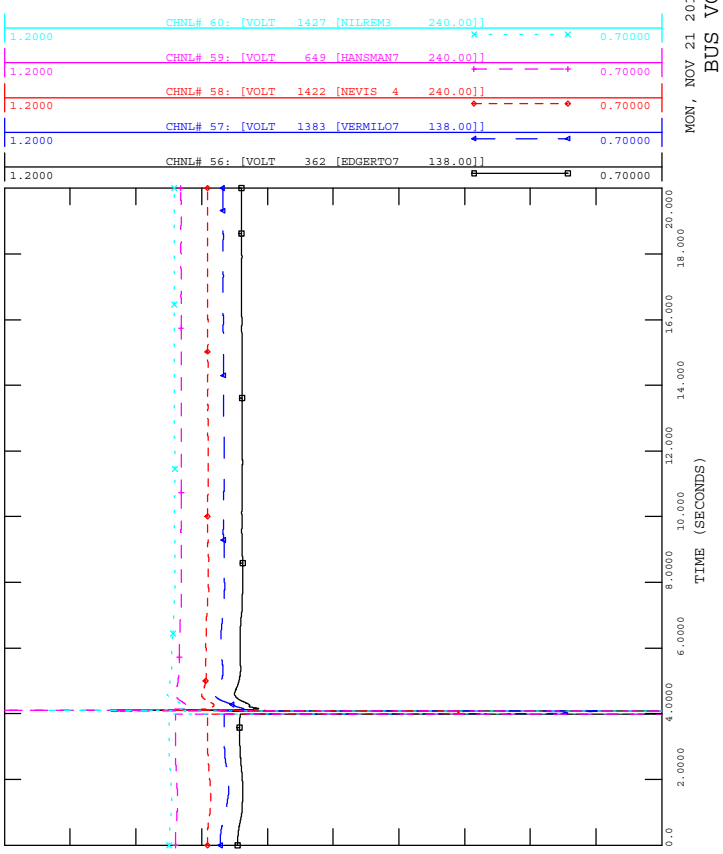


NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

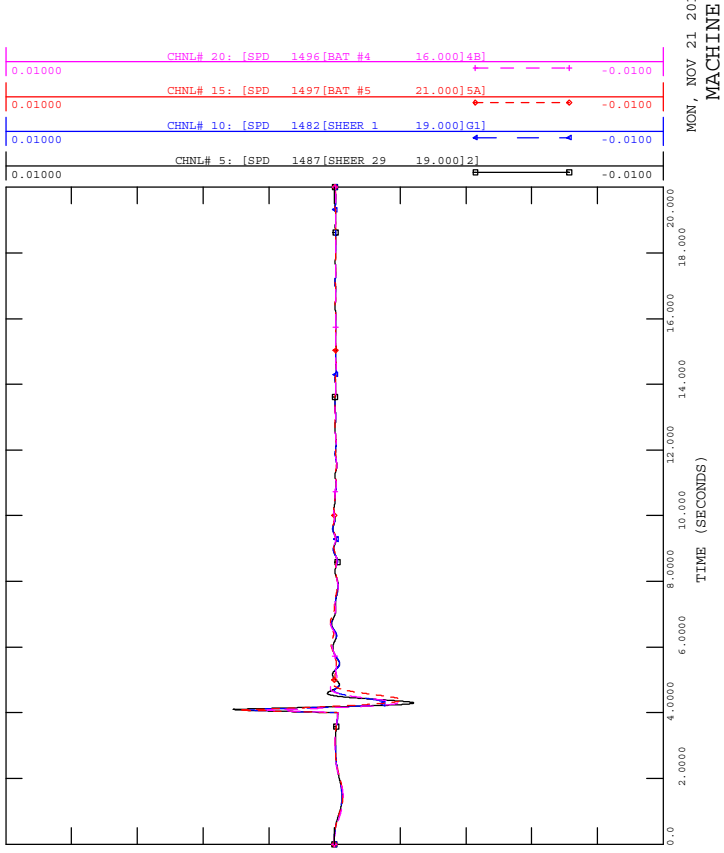


NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

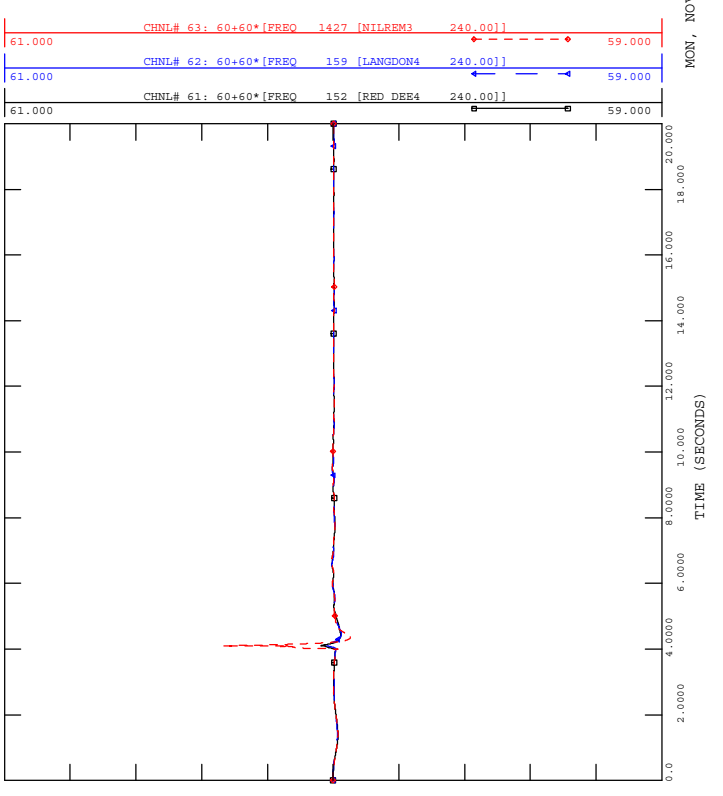


NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 13:35

FREQUENCY

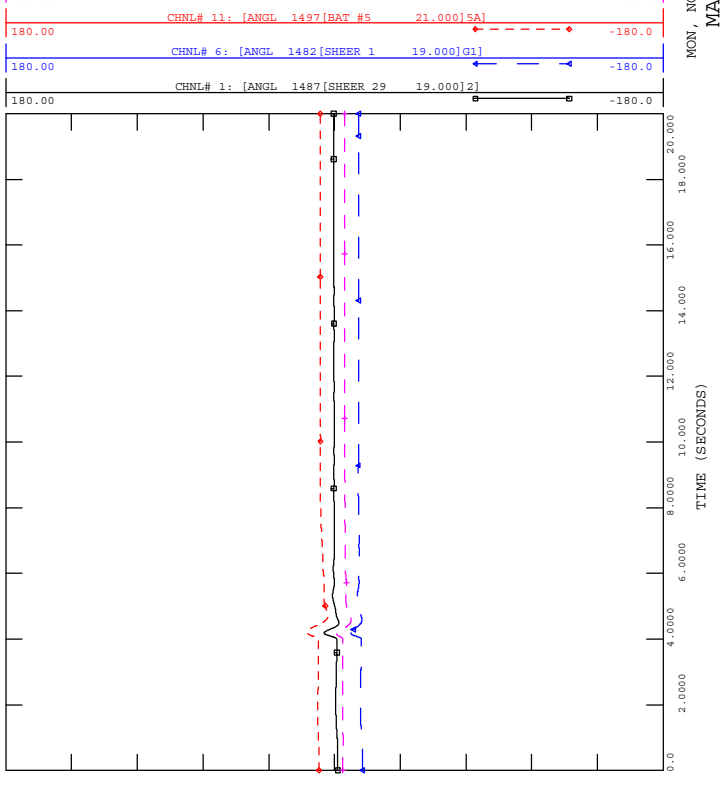


NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out

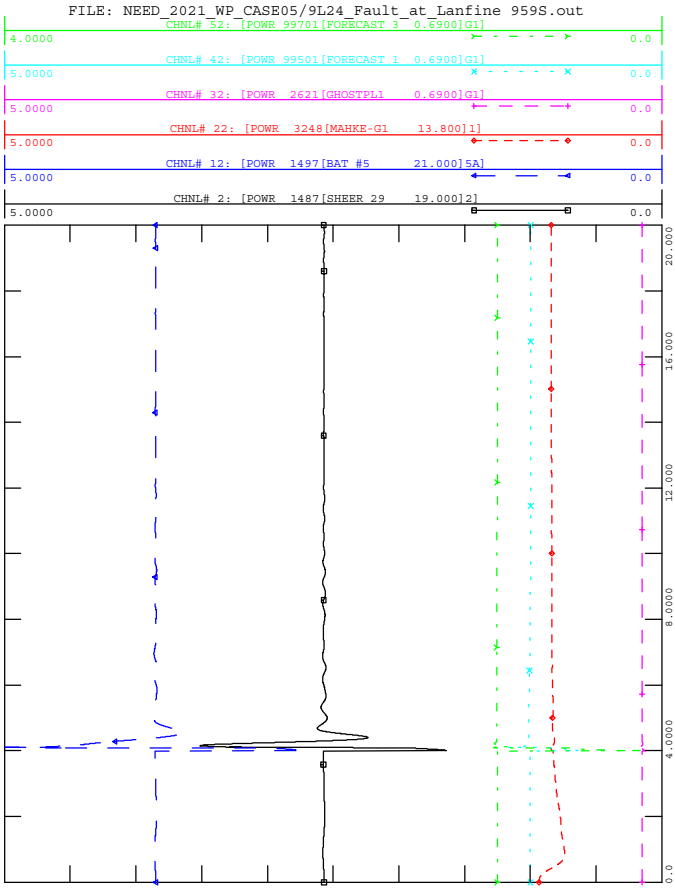
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

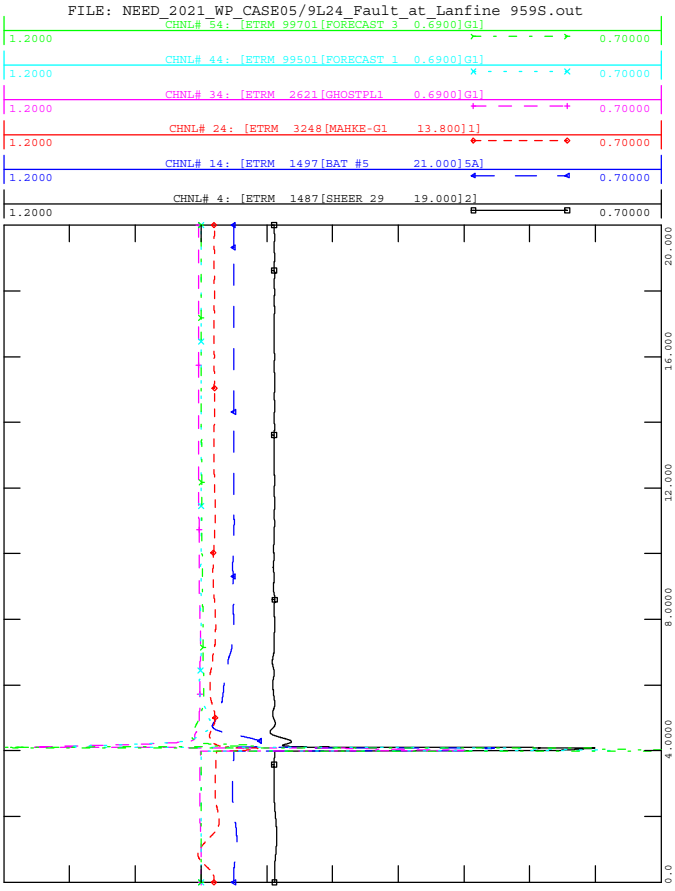
FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

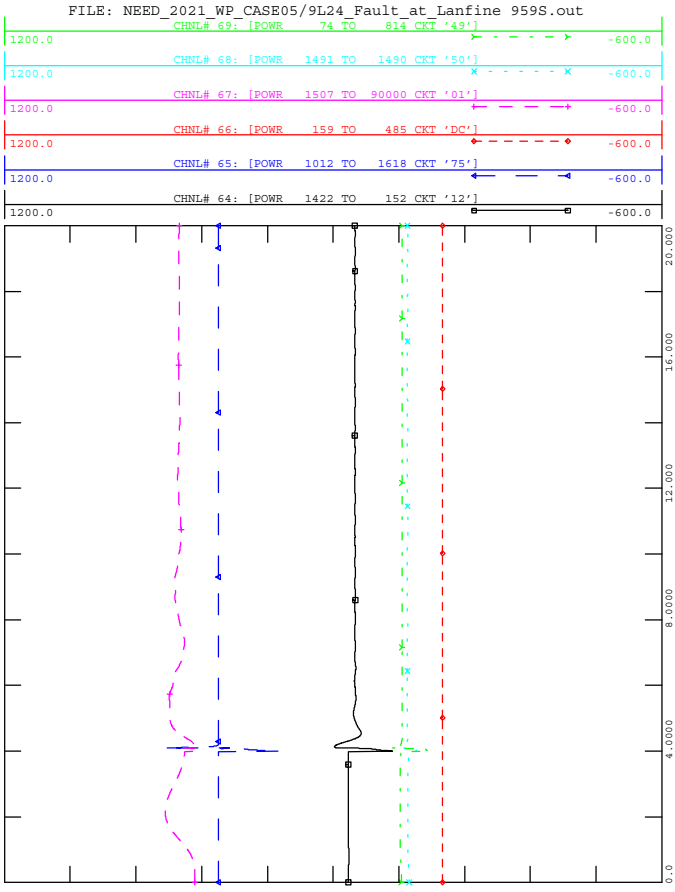
FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

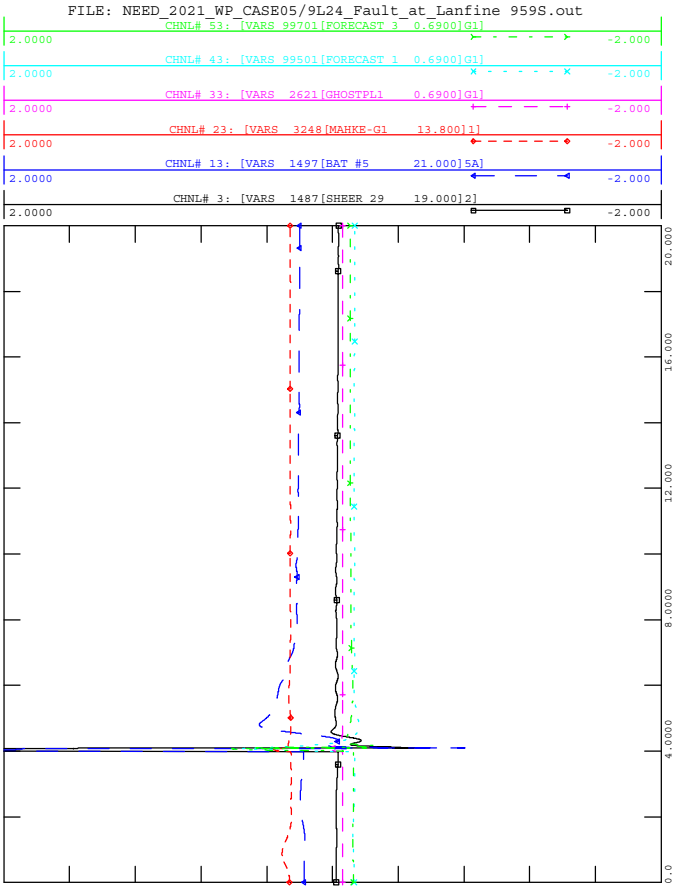
FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out



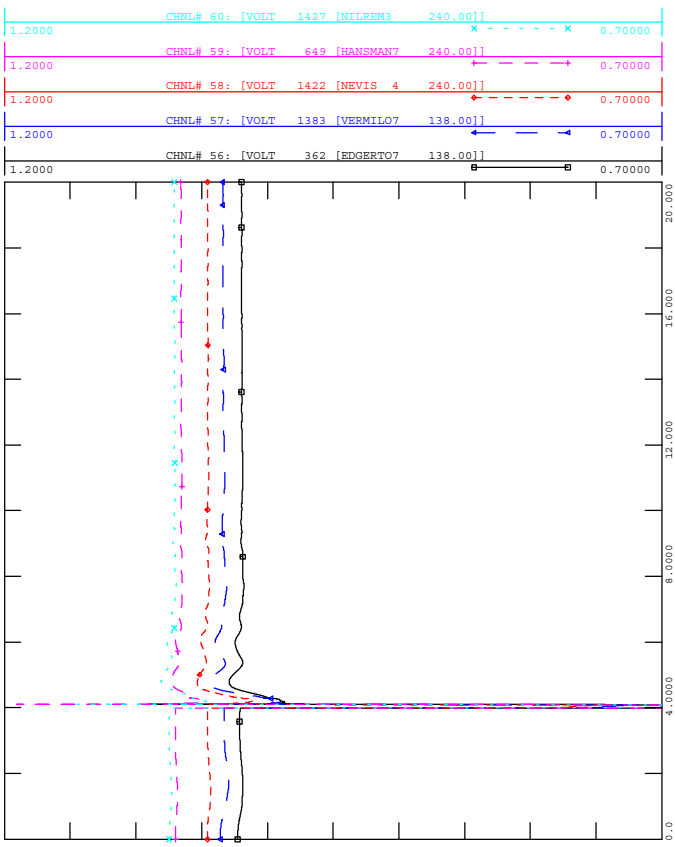
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

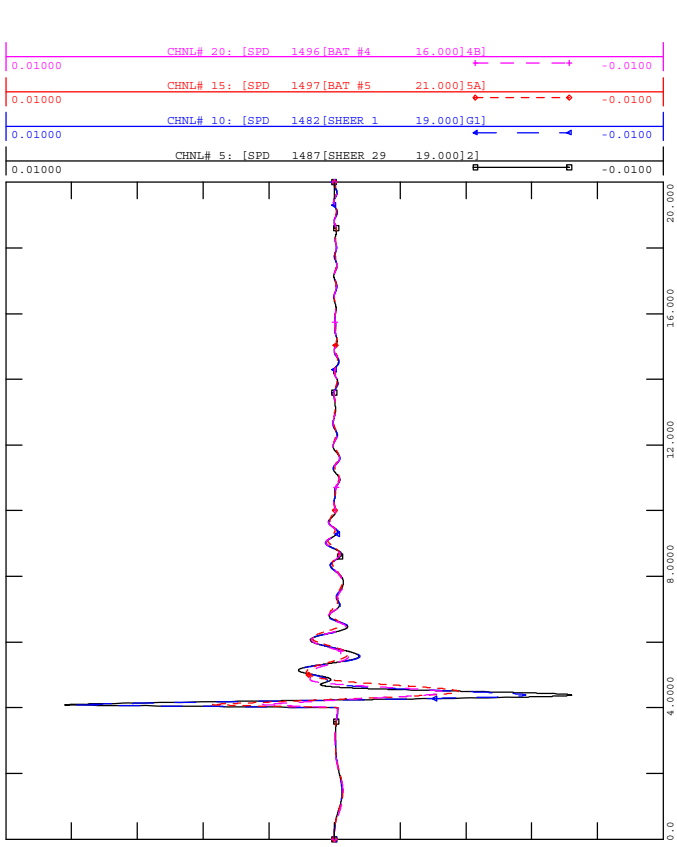


NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

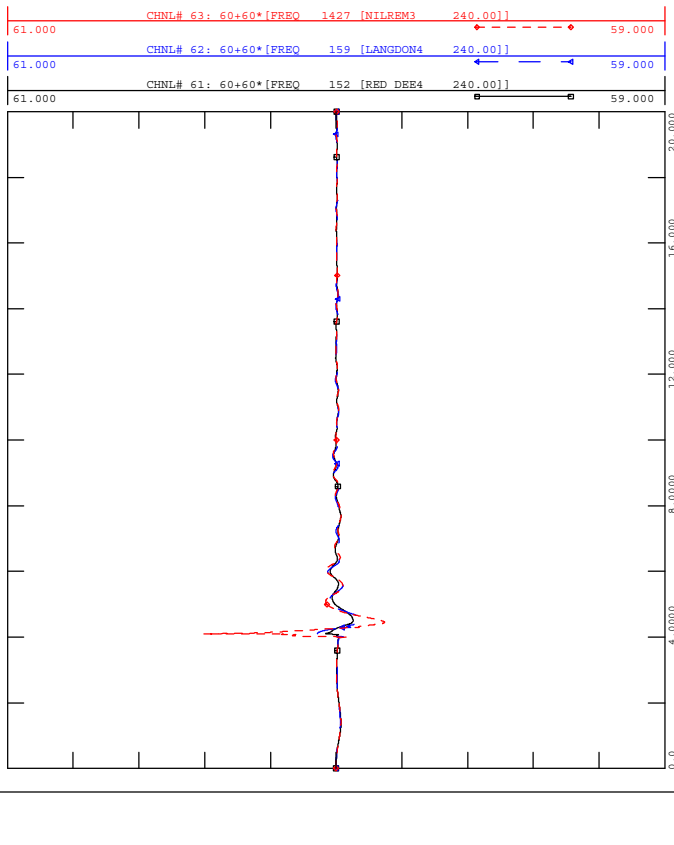


NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

FREQUENCY

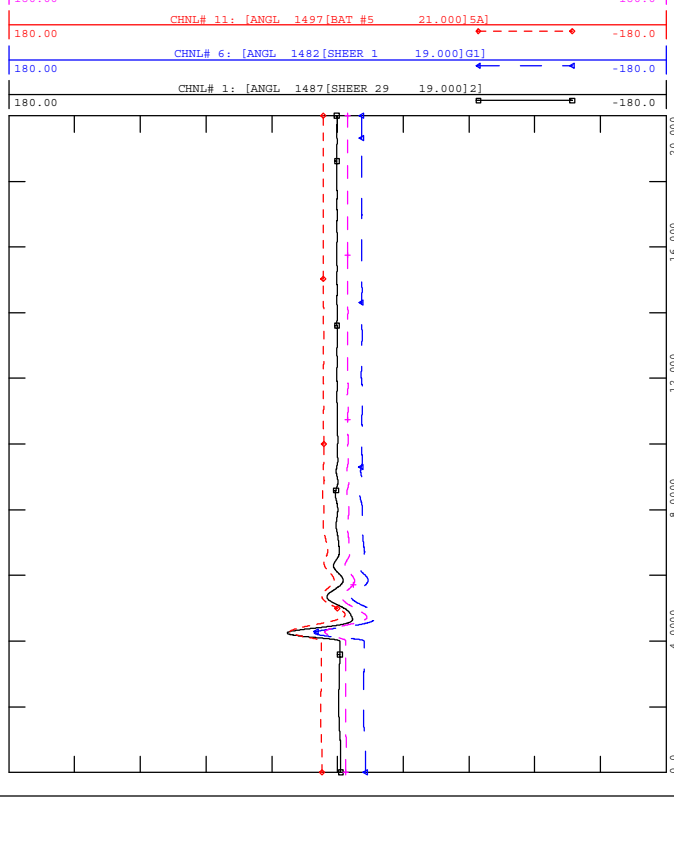


NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

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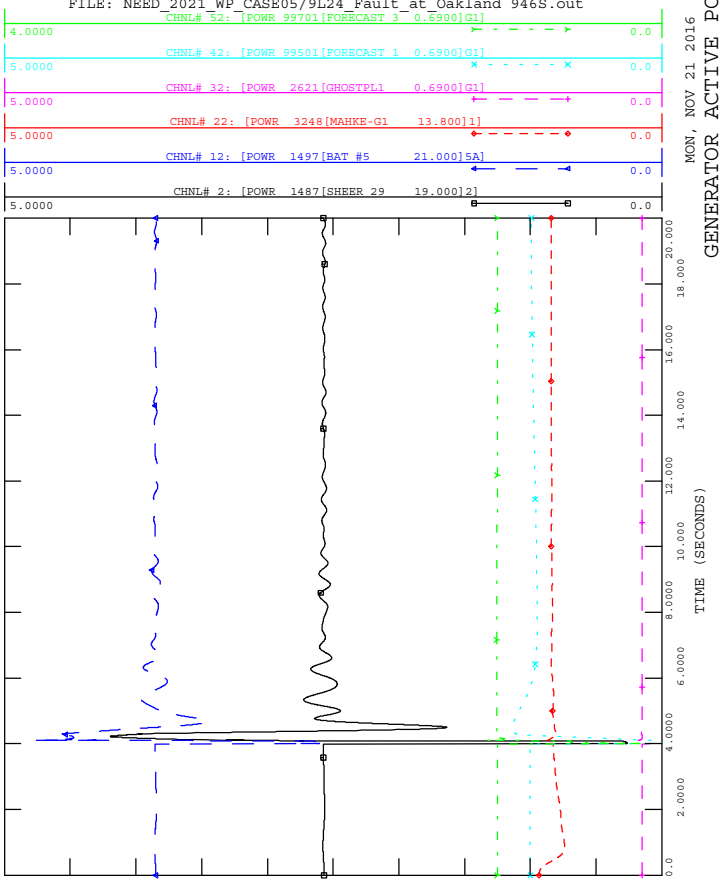
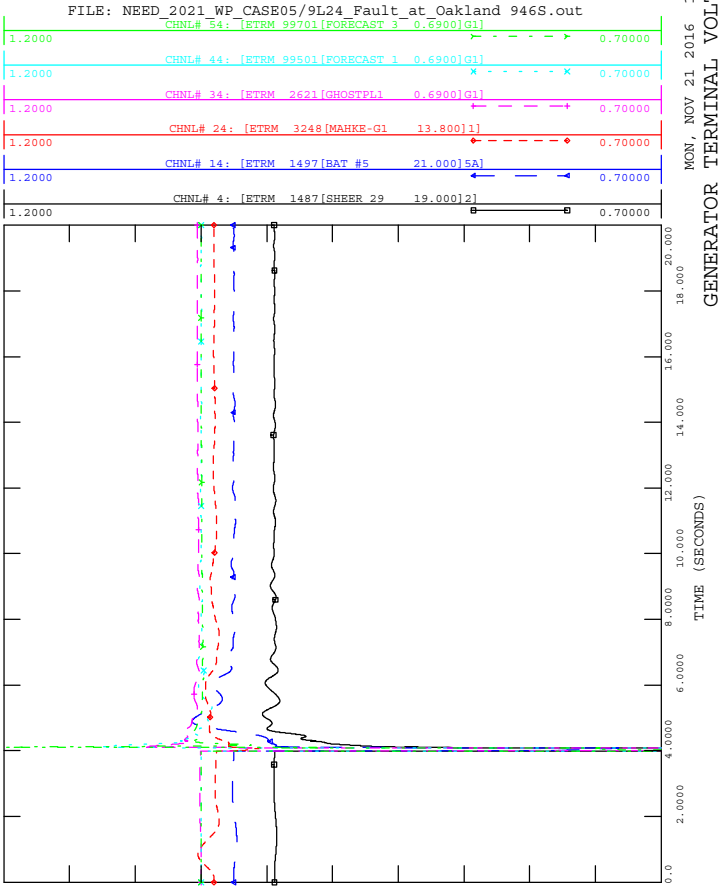


NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out



NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

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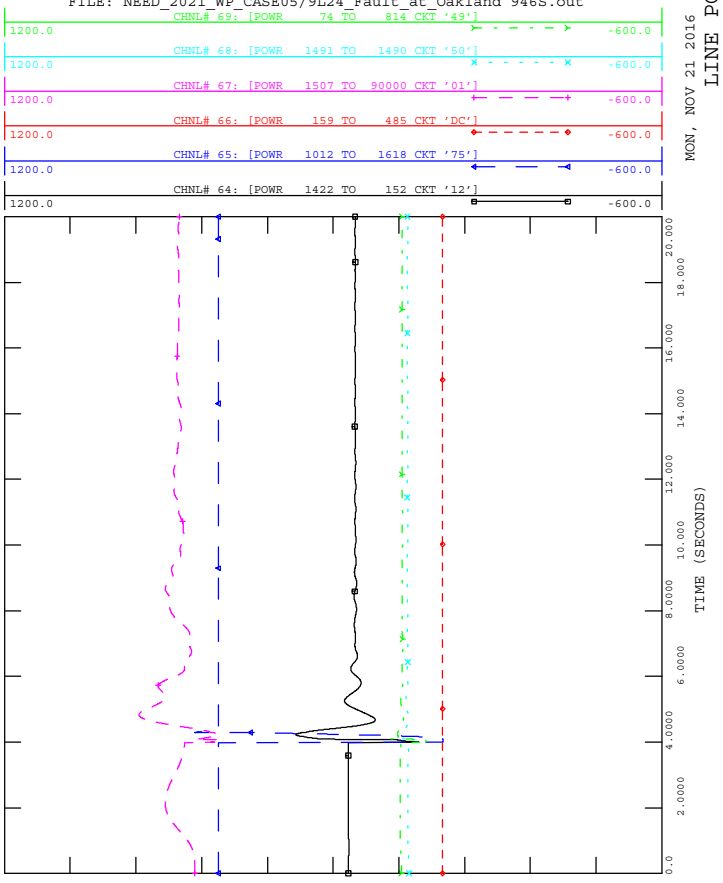

NEED_2021_WP_CASE05
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

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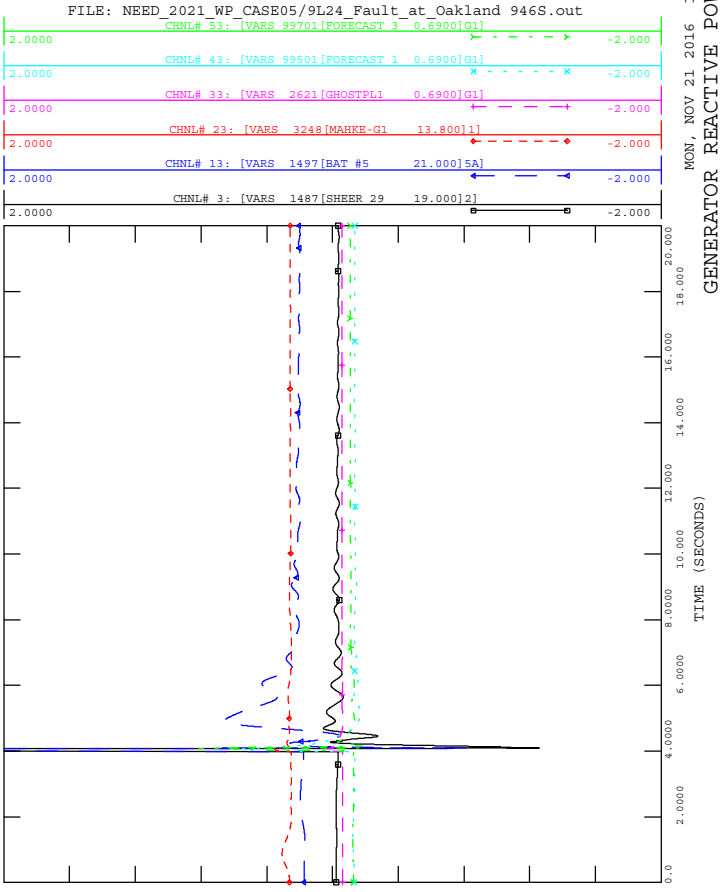
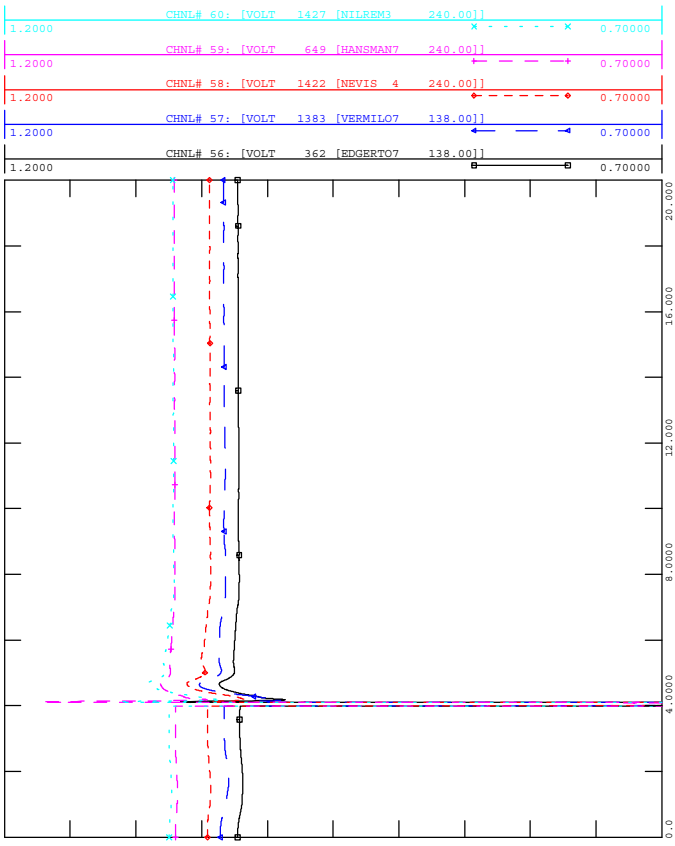


NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

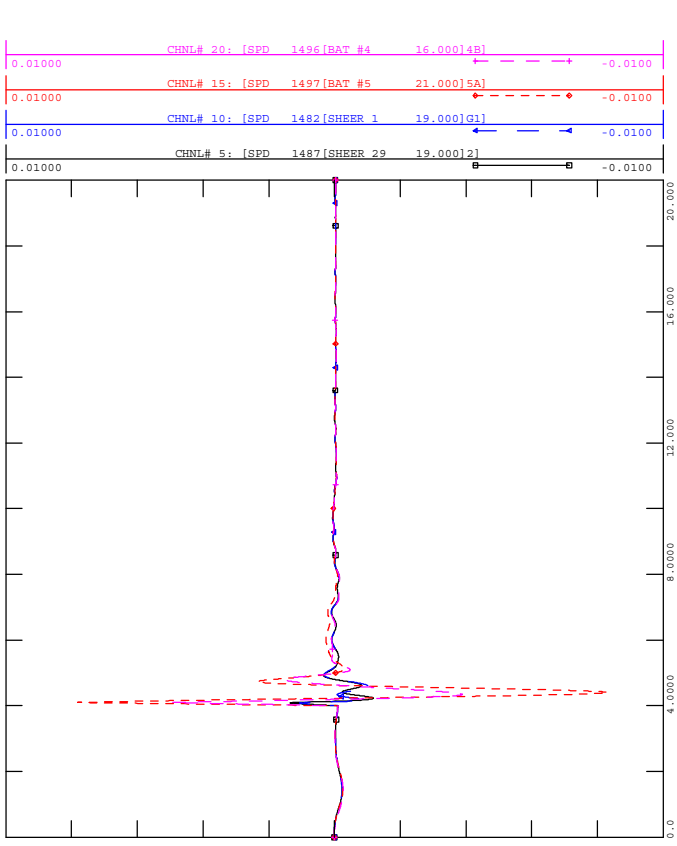


NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

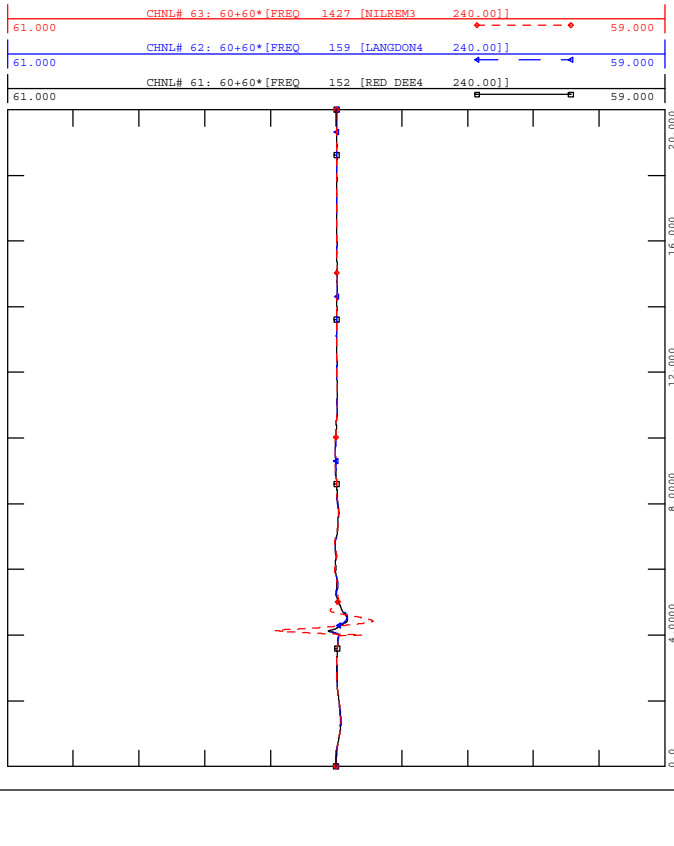


NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 13:35

FREQUENCY

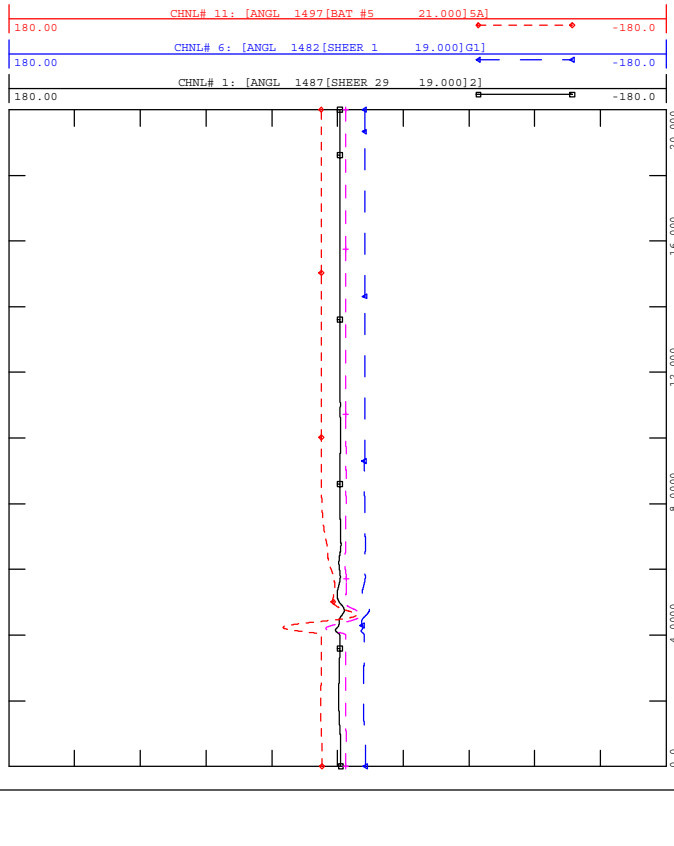


NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out

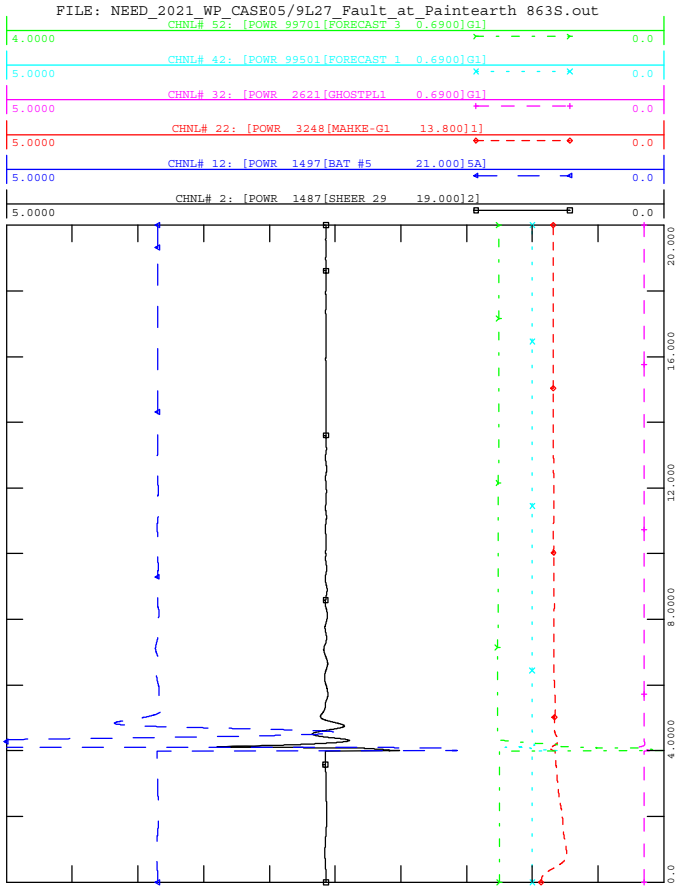
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

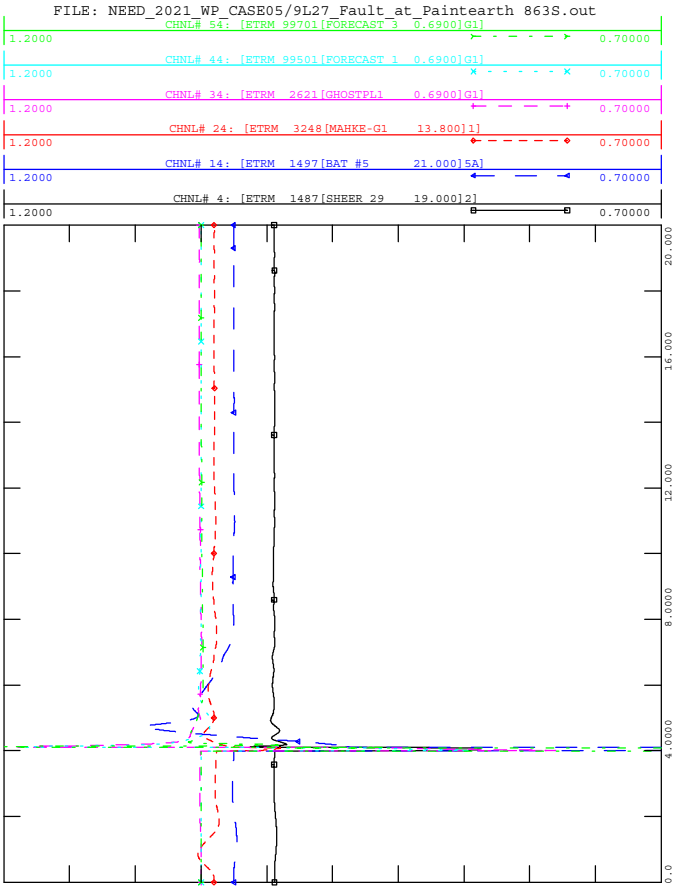
FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

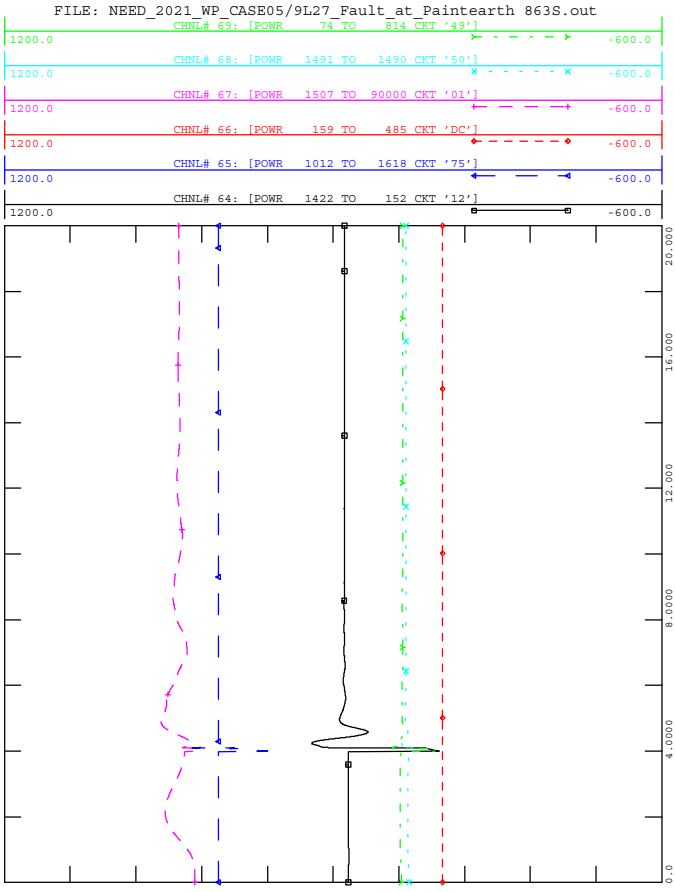
FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

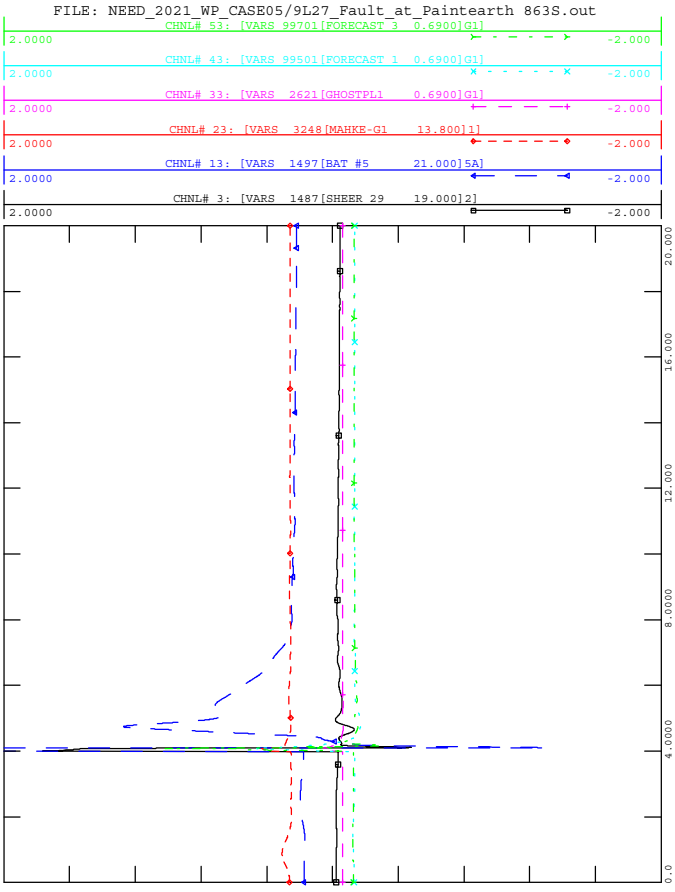
FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out



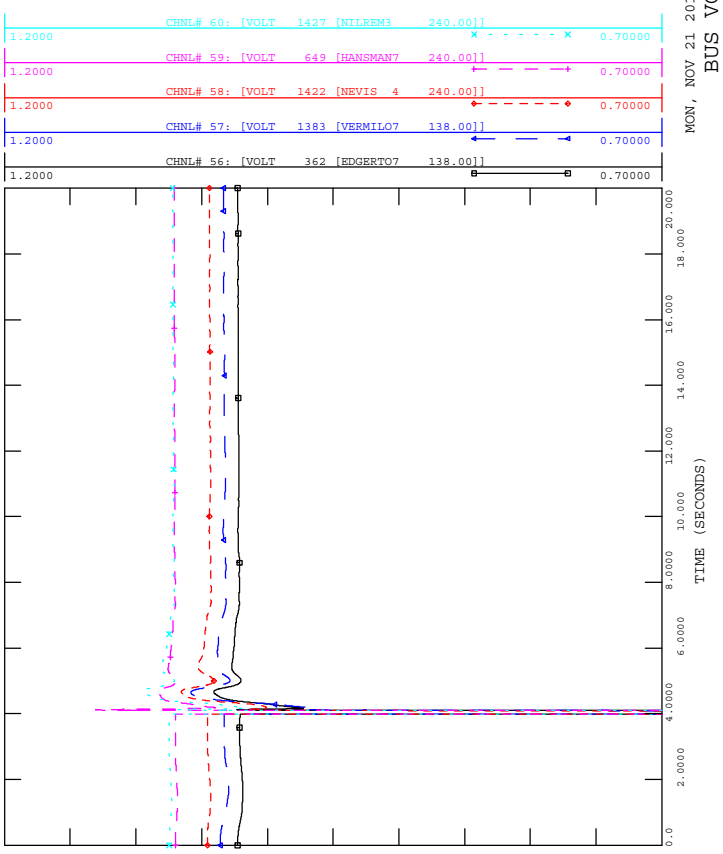
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

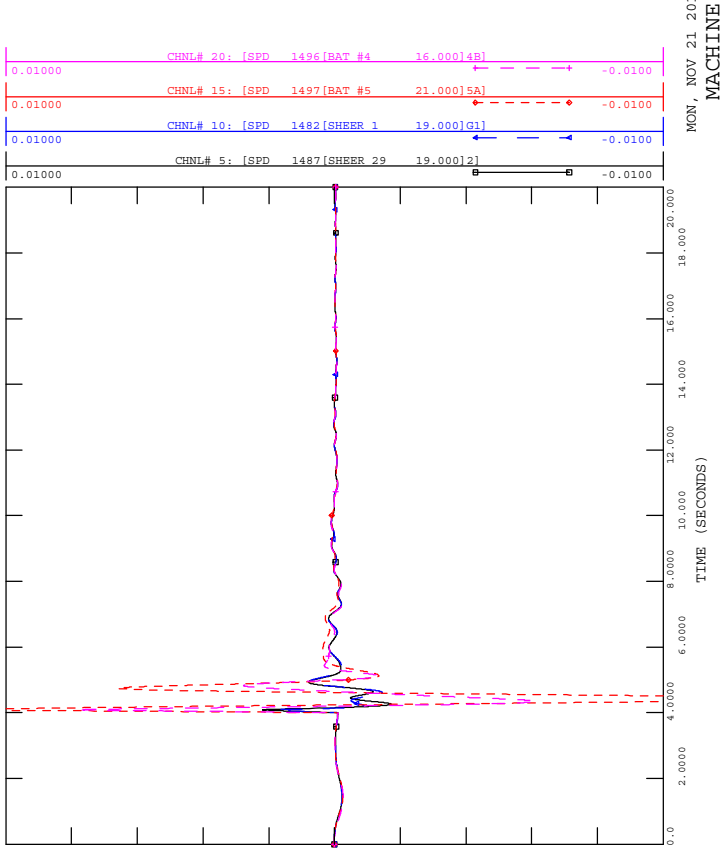


NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

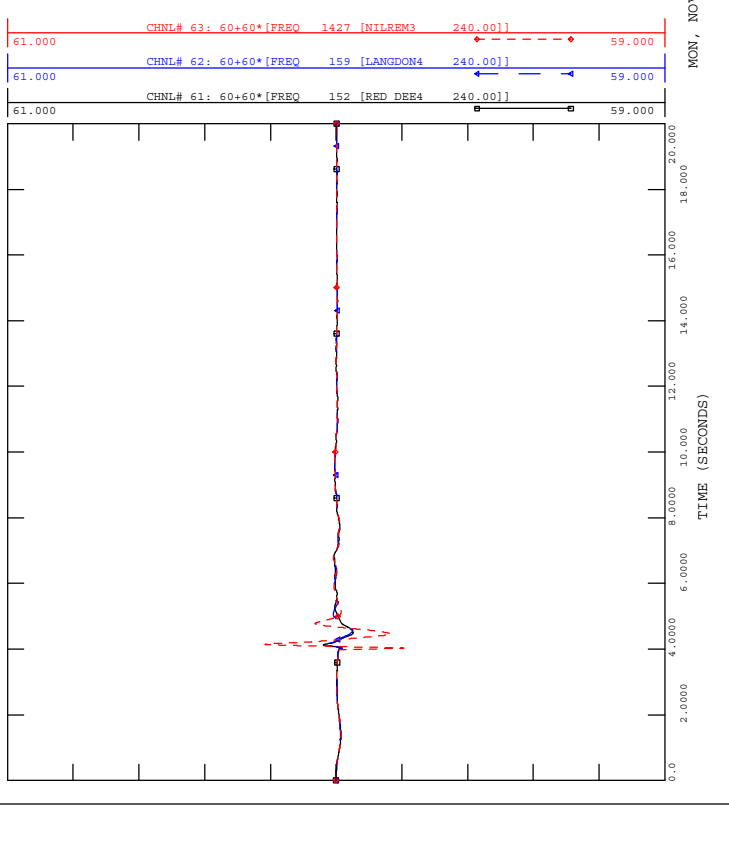


NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

FREQUENCY

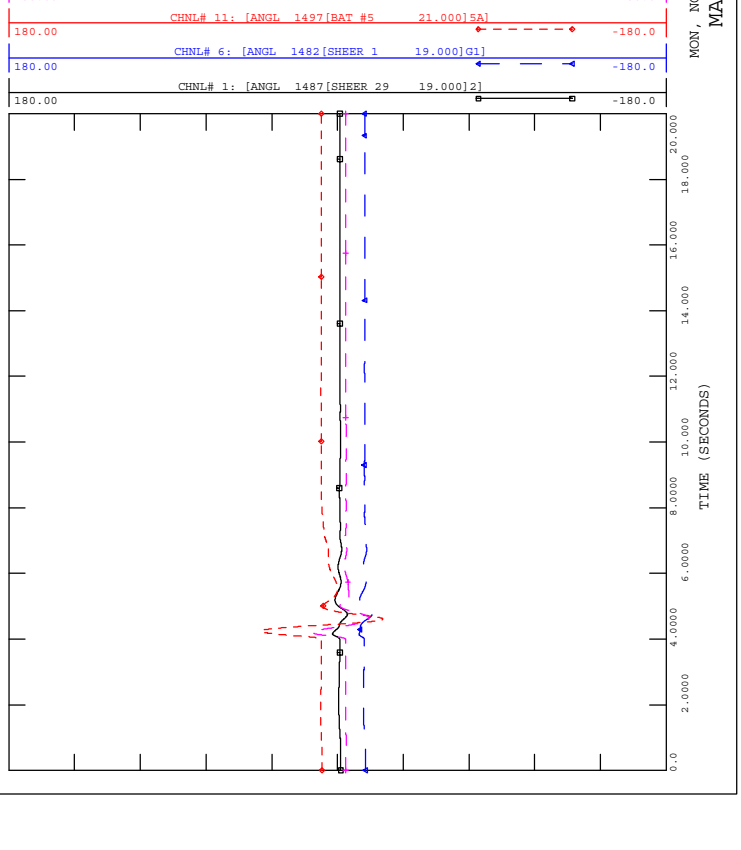


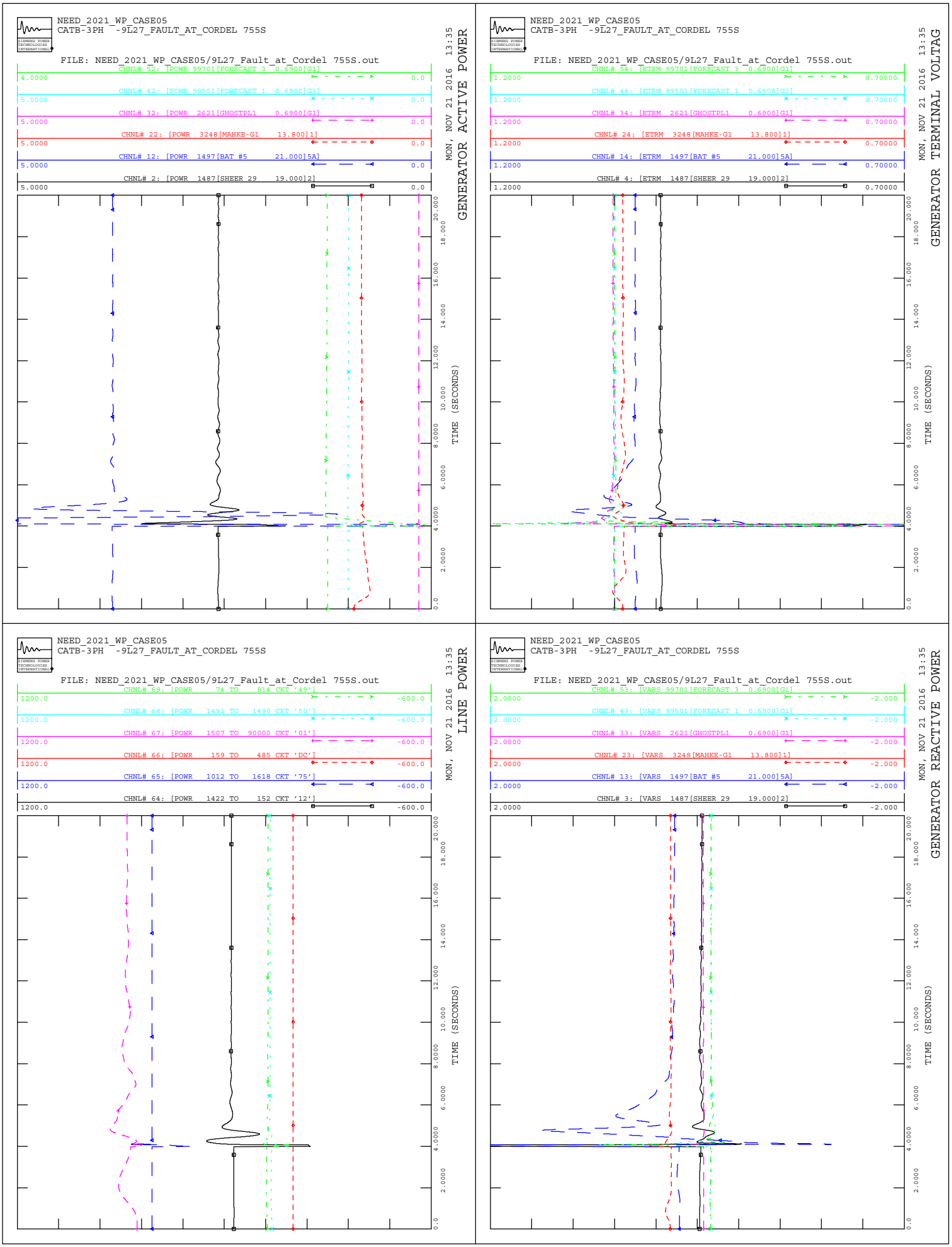
NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



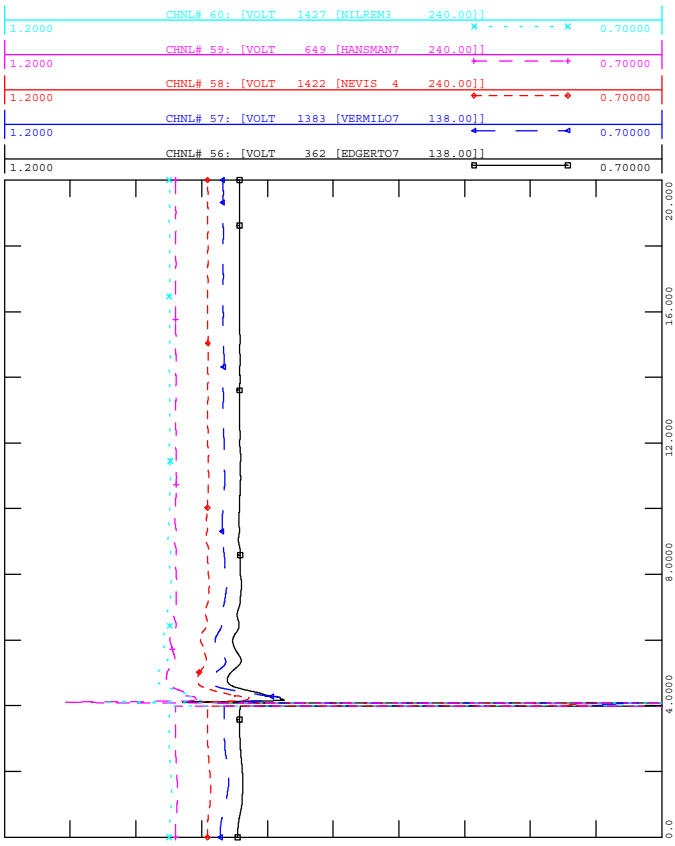

NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:35
TIME (SECONDS)
NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:35
TIME (SECONDS)
NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:35
TIME (SECONDS)
NEED_2021_WP_CASE05
CATB-3PH -9L27_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:35
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

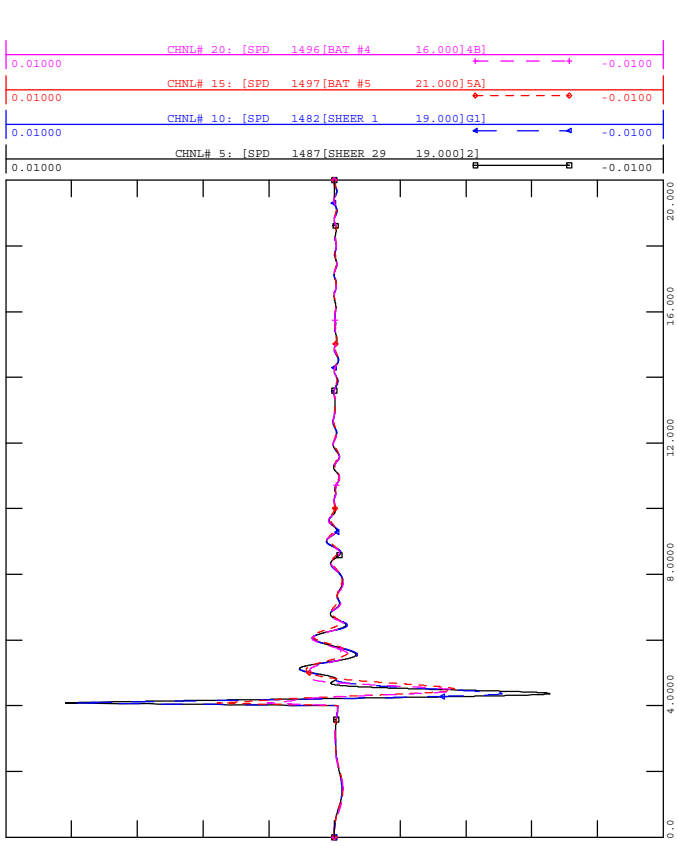


NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

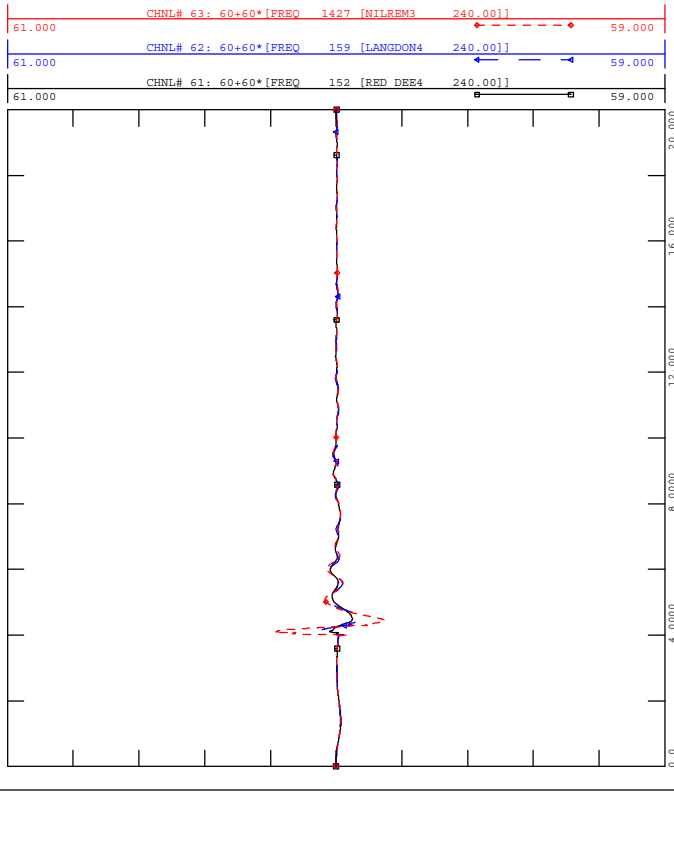


NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

FREQUENCY

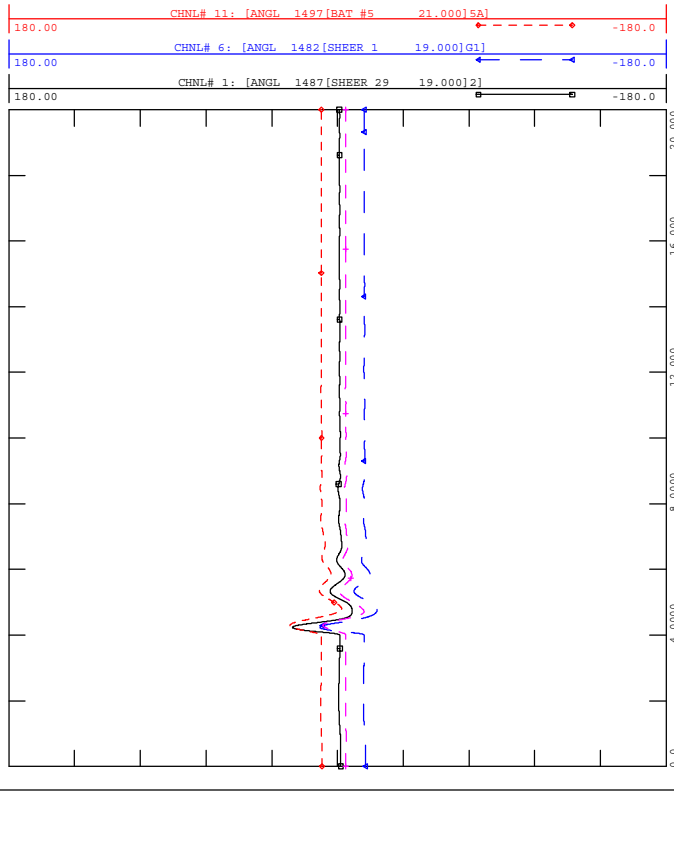


NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

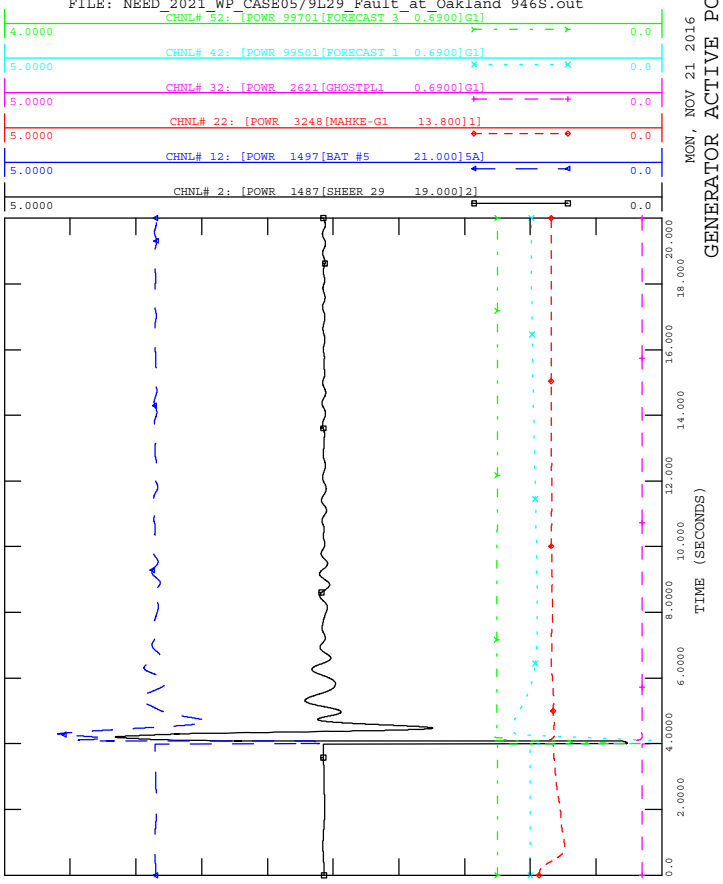
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

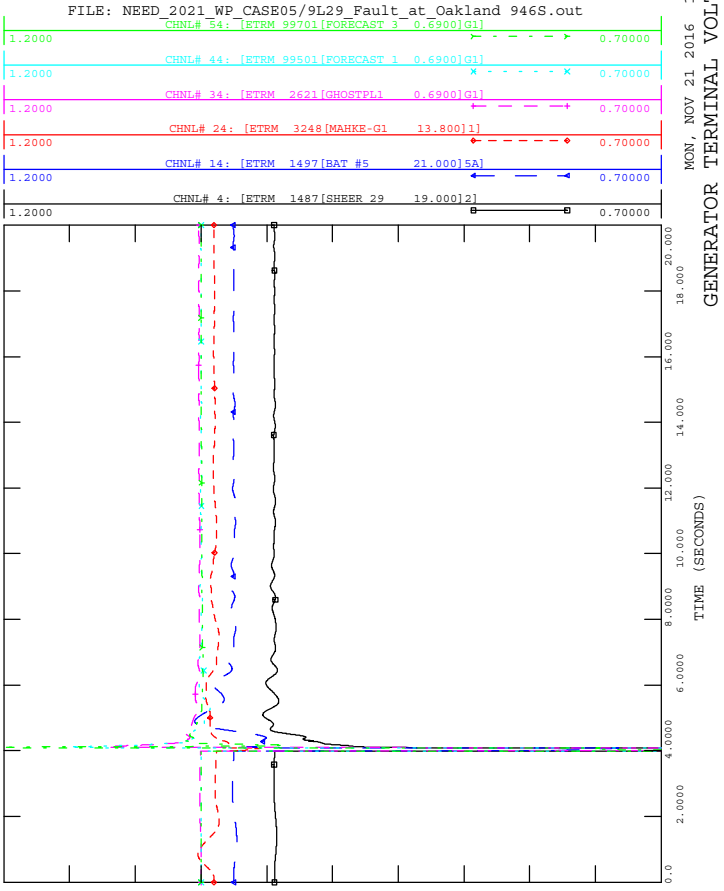


MON, NOV 21 2016 13:35

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

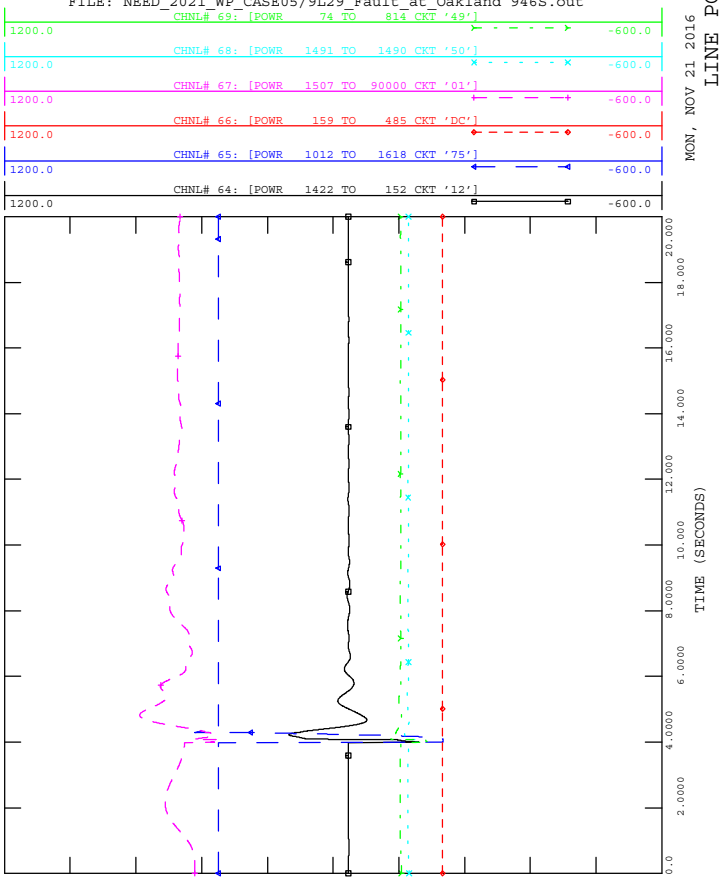


MON, NOV 21 2016 13:35

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

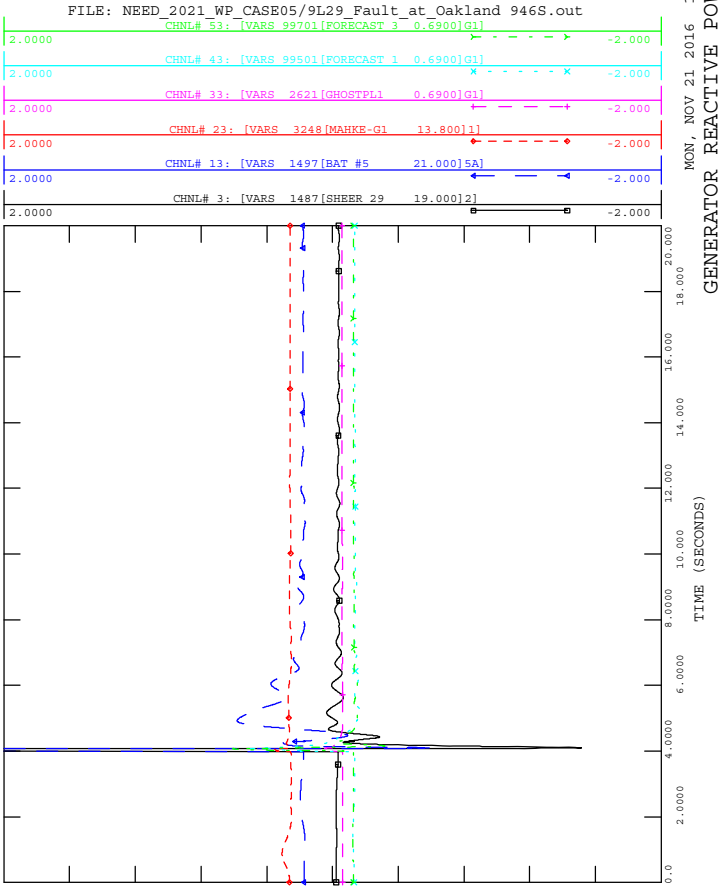


MON, NOV 21 2016 13:35

LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out



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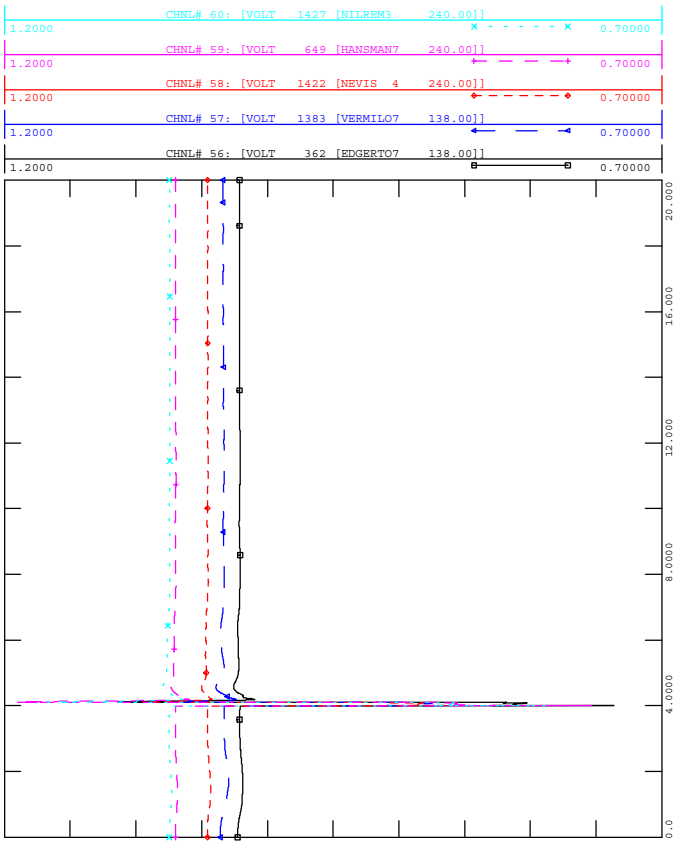
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

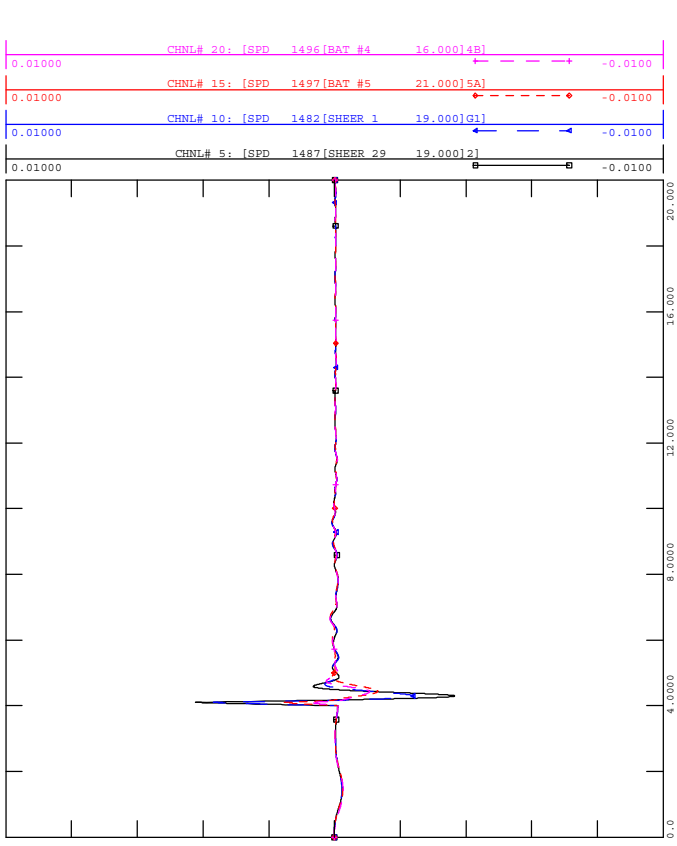


NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

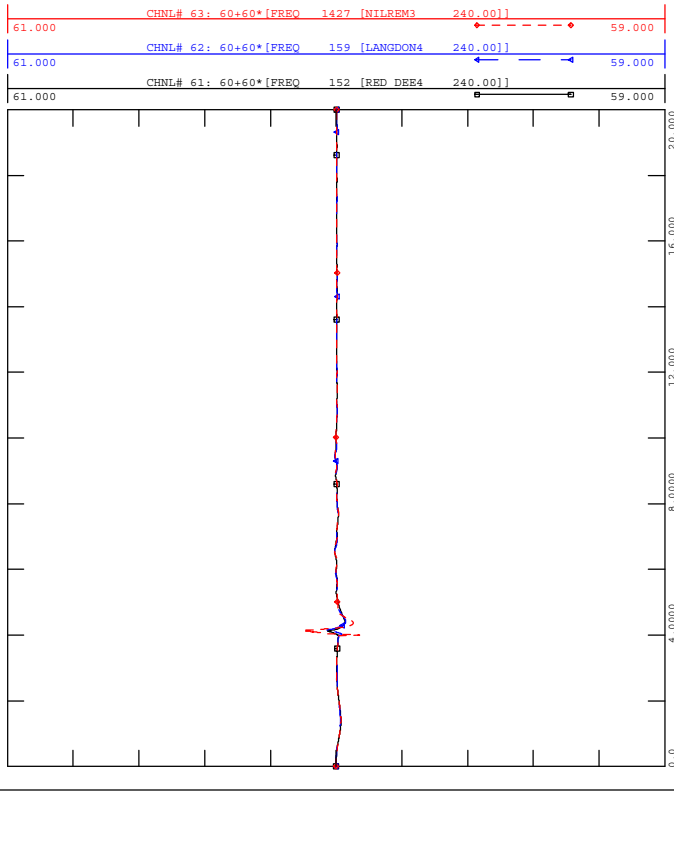


NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out

MON, NOV 21 2016 13:35

FREQUENCY

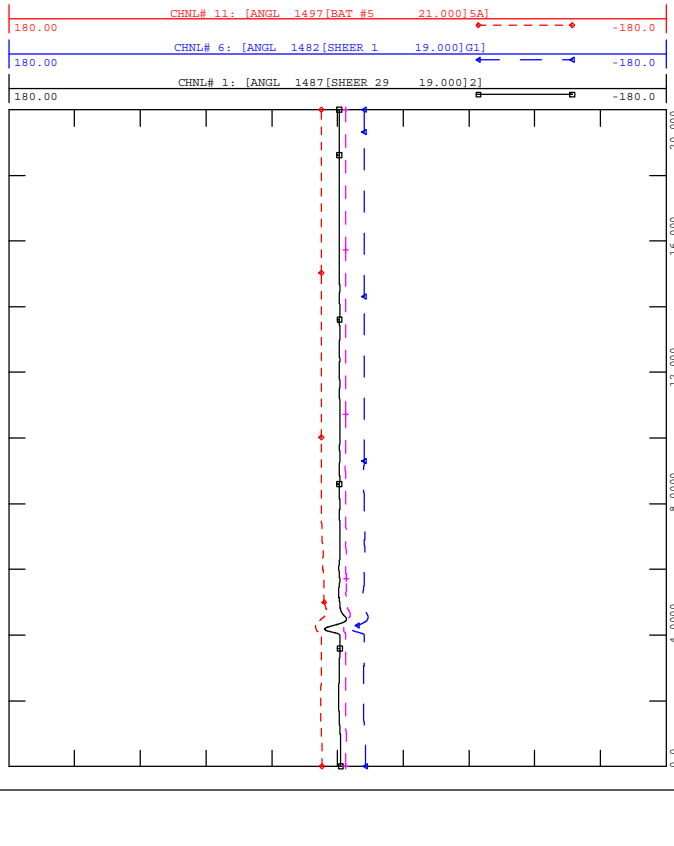


NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out

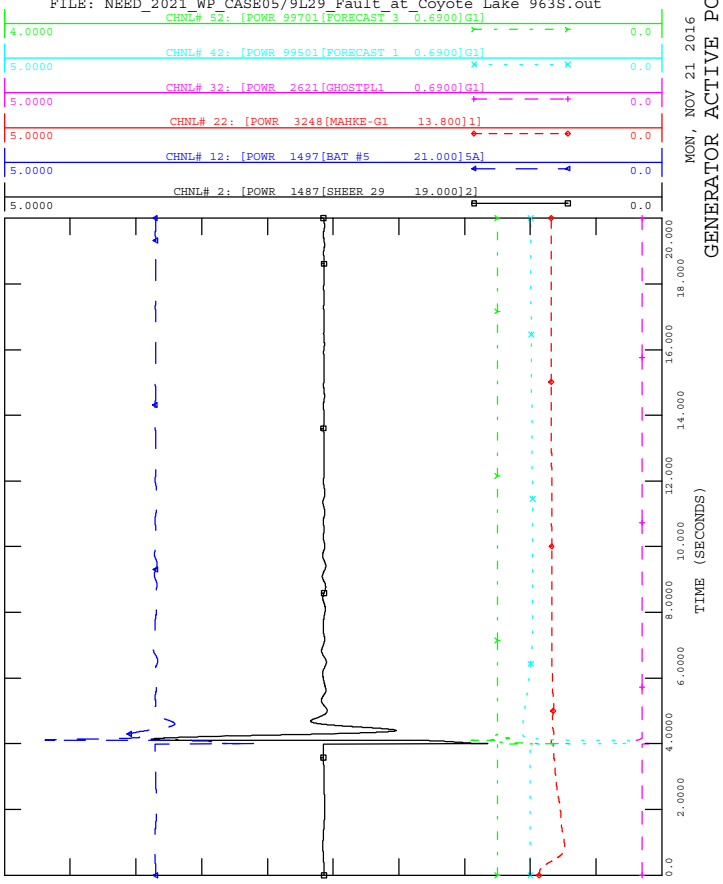
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

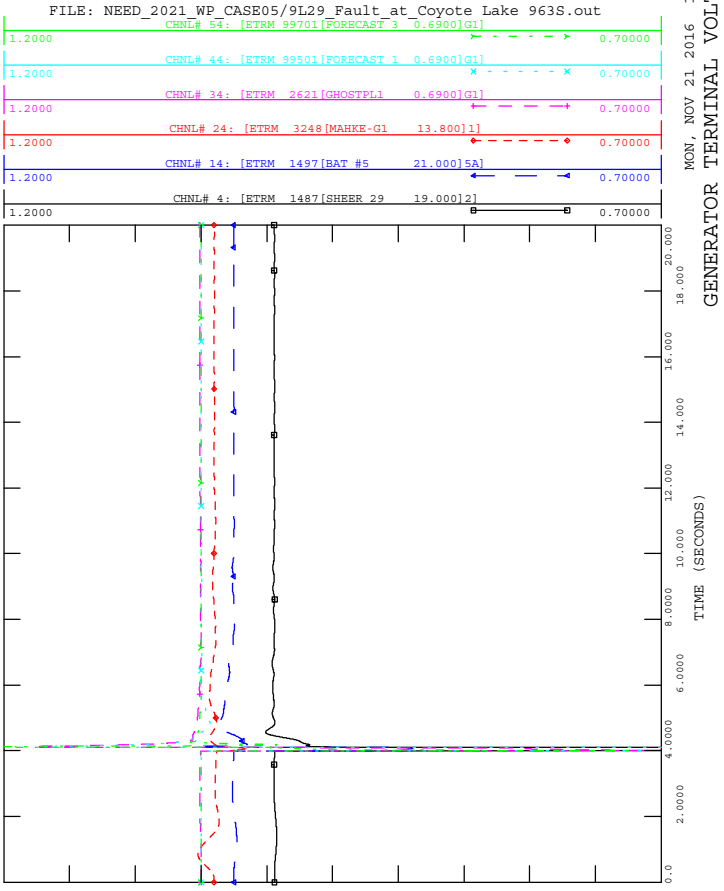
FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:35

NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

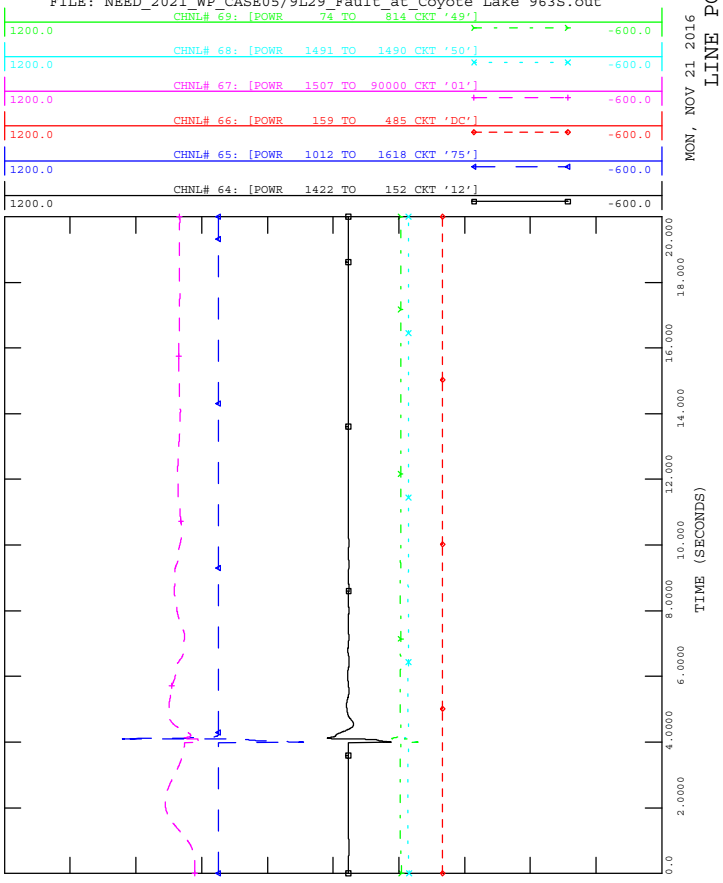
FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:35

NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

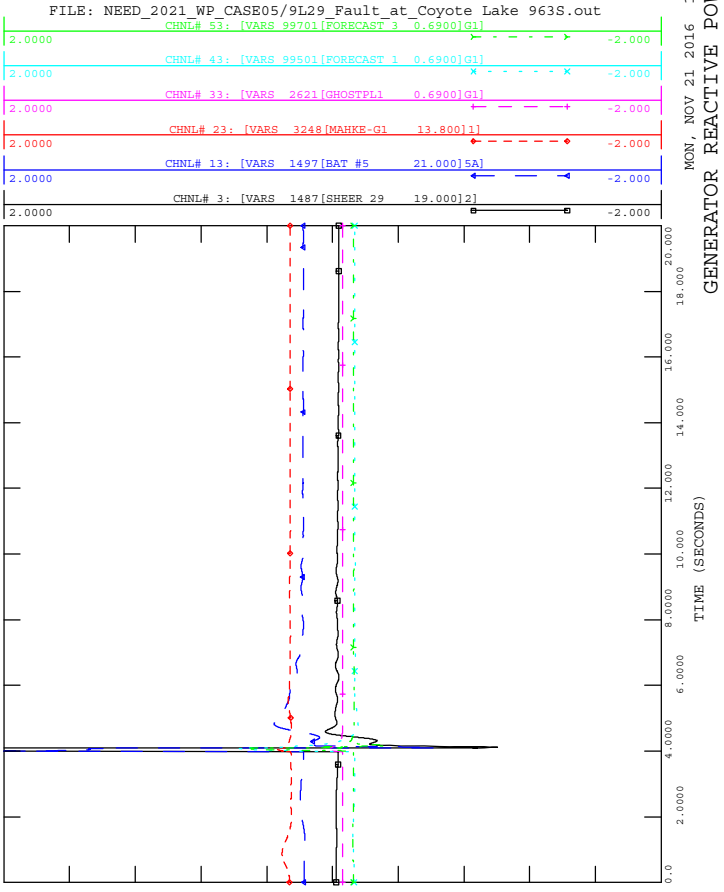
FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out



LINE POWER
MON, NOV 21 2016 13:35

NEED_2021_WP_CASE05
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out



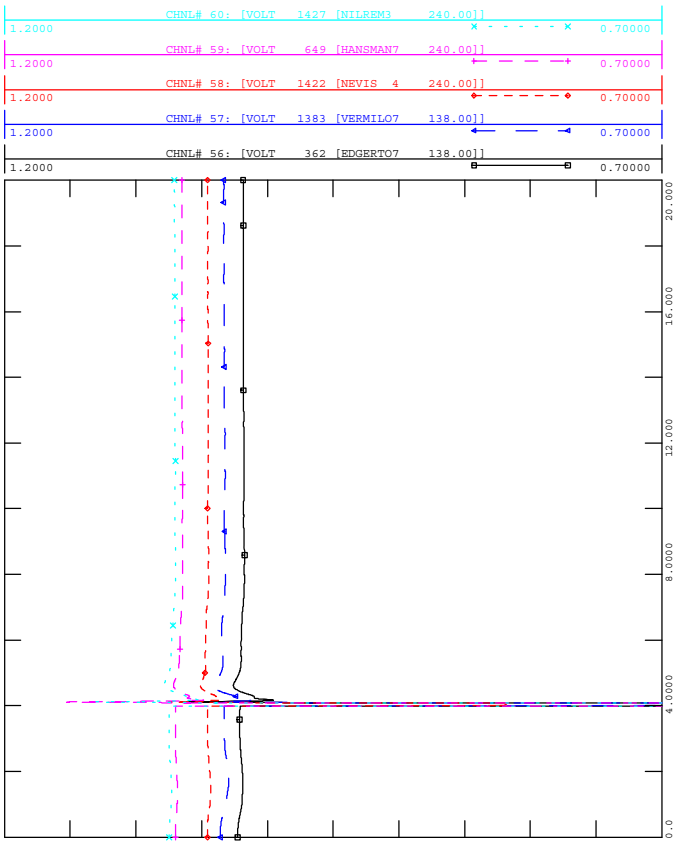
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:35

NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

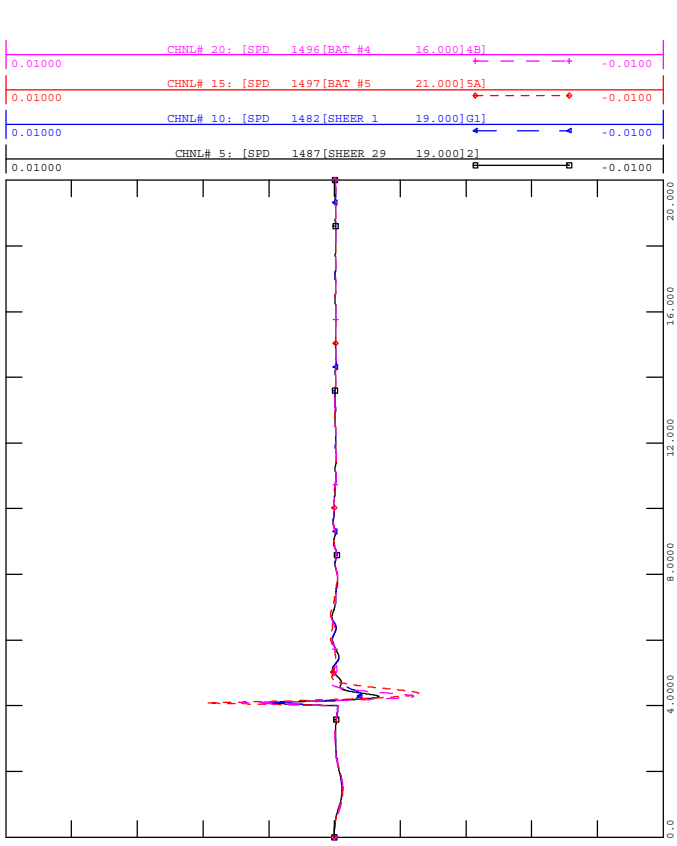


NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

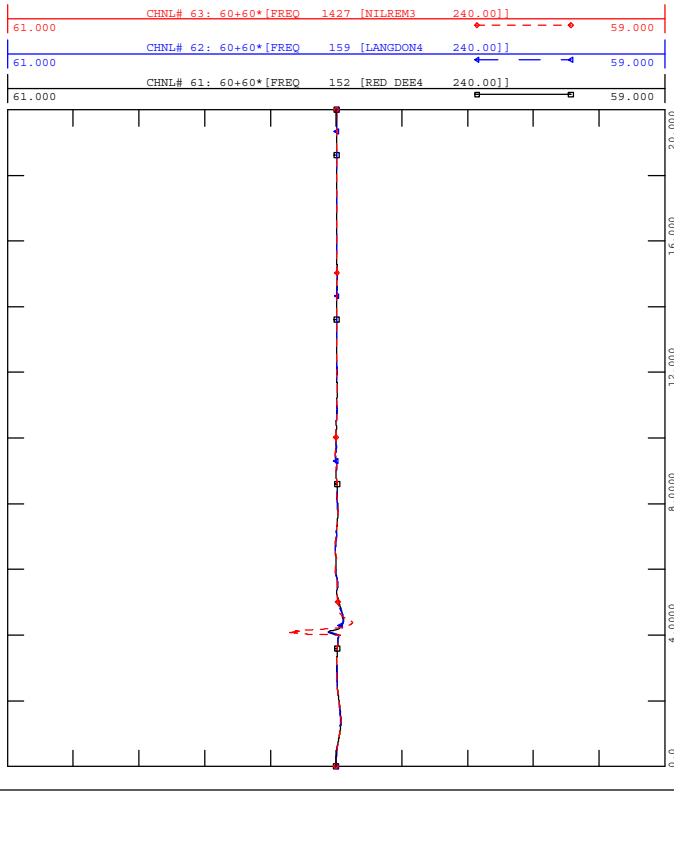


NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out

MON, NOV 21 2016 13:35

FREQUENCY

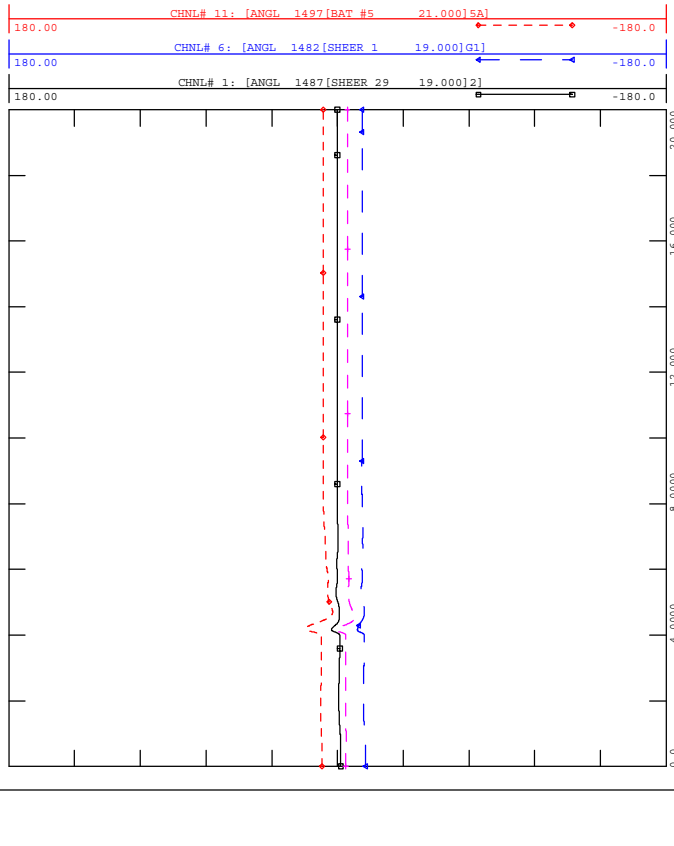


NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

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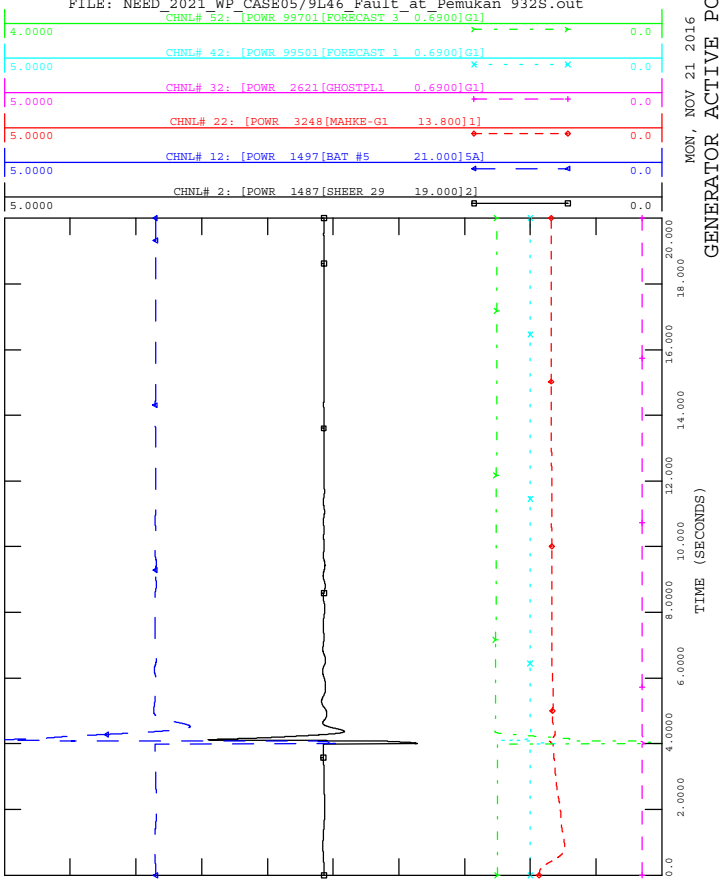
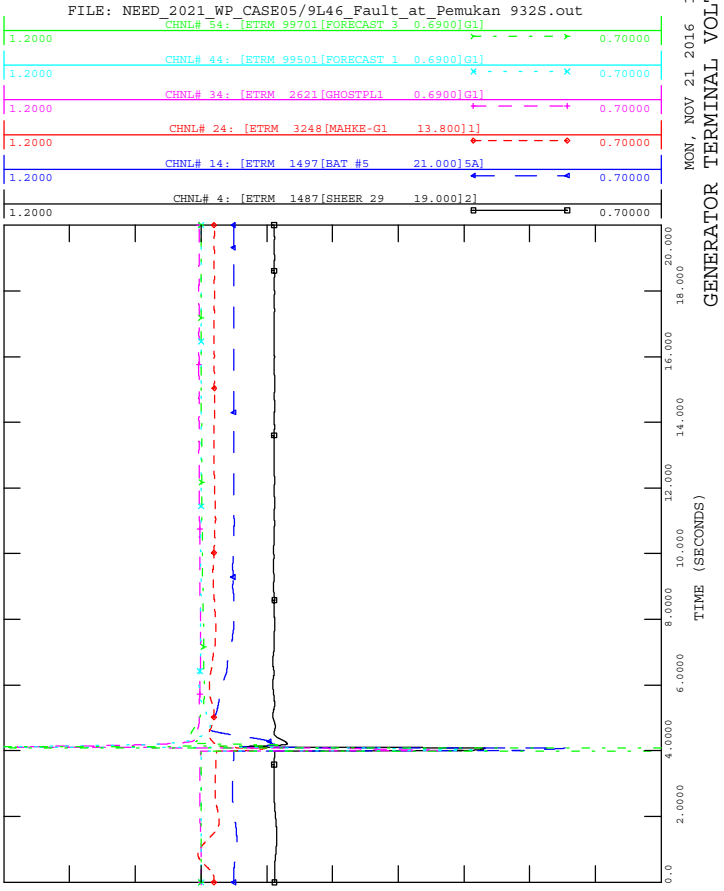


MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

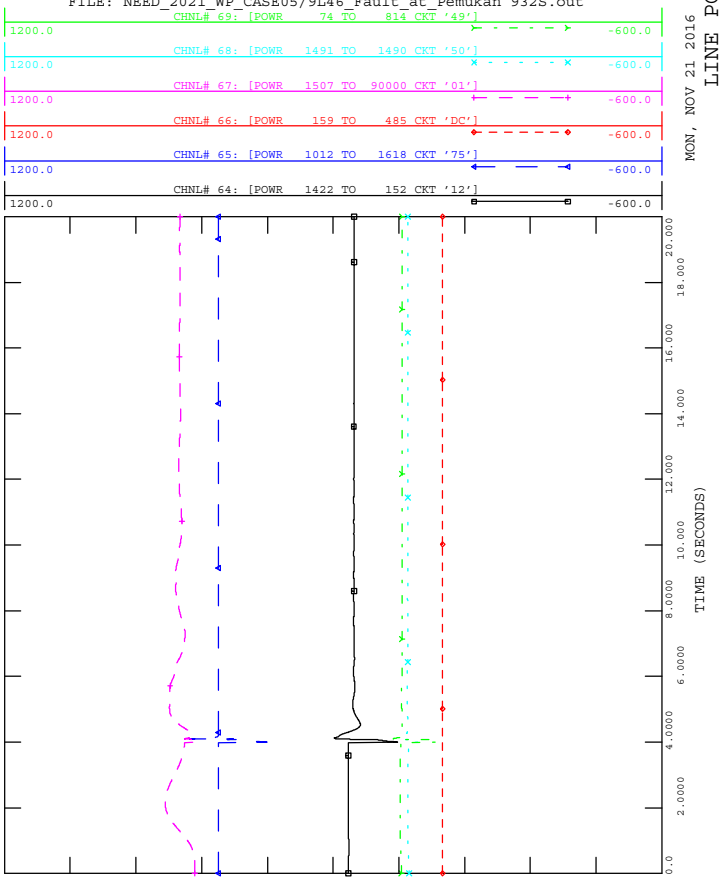
FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

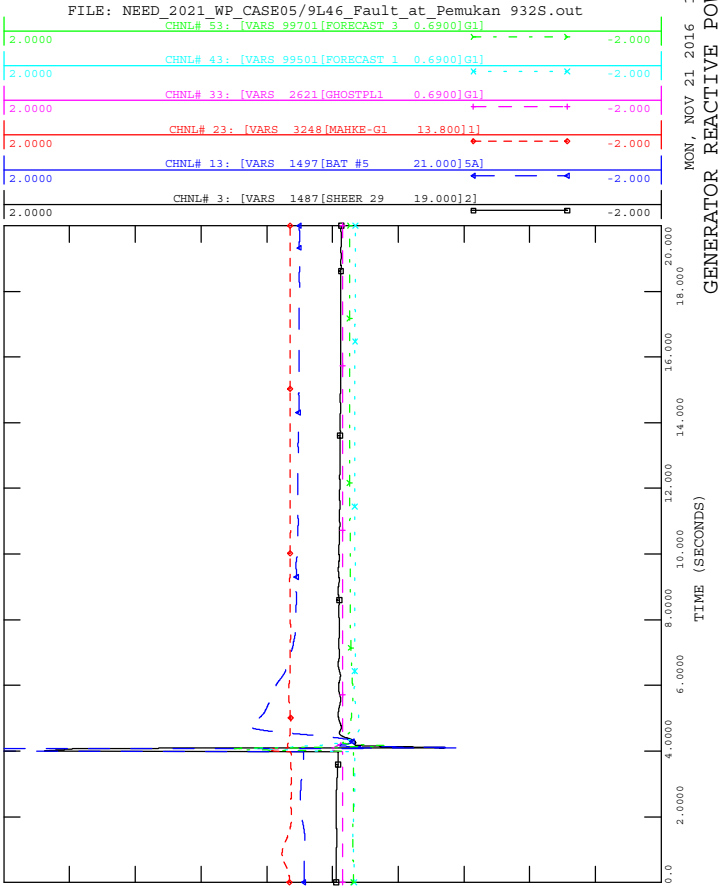
FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out



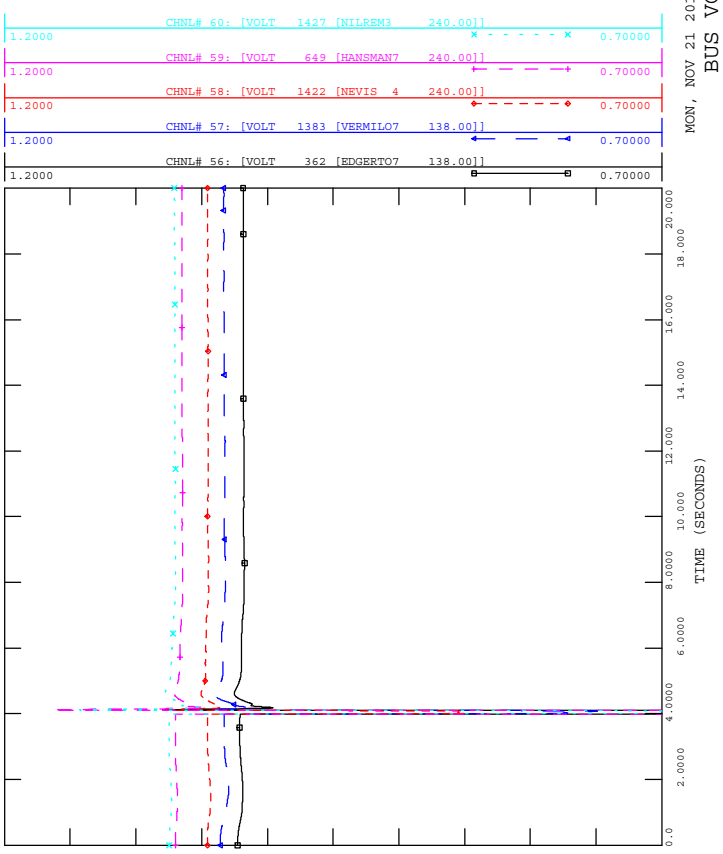
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

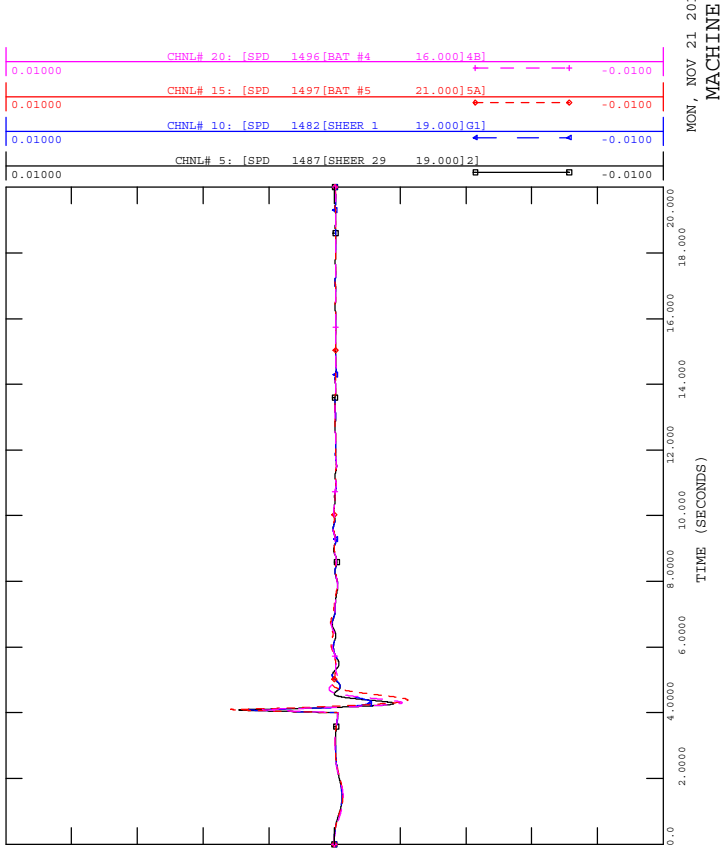


NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

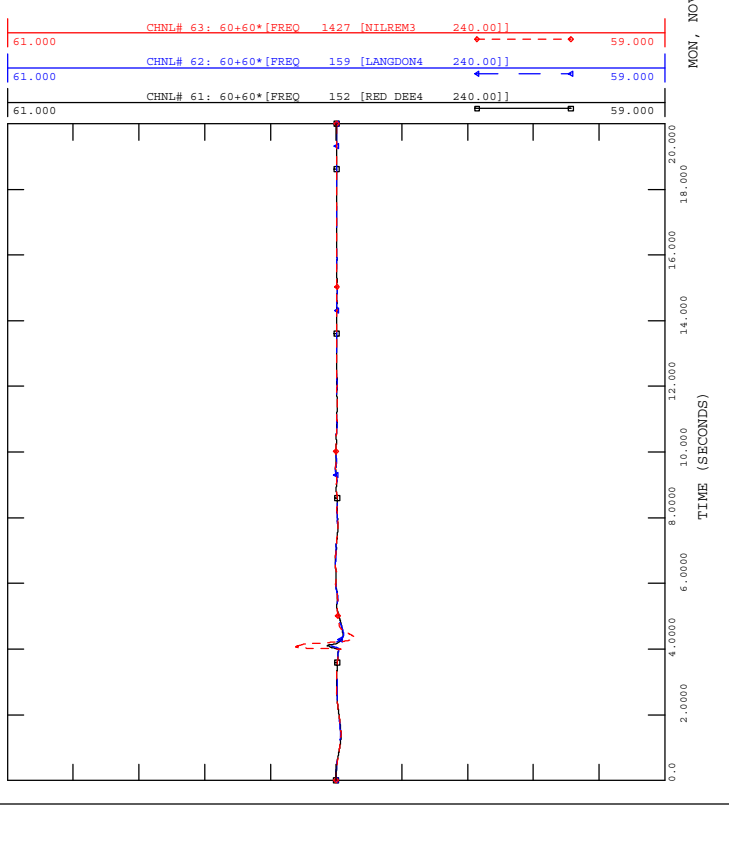


NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 13:35

FREQUENCY

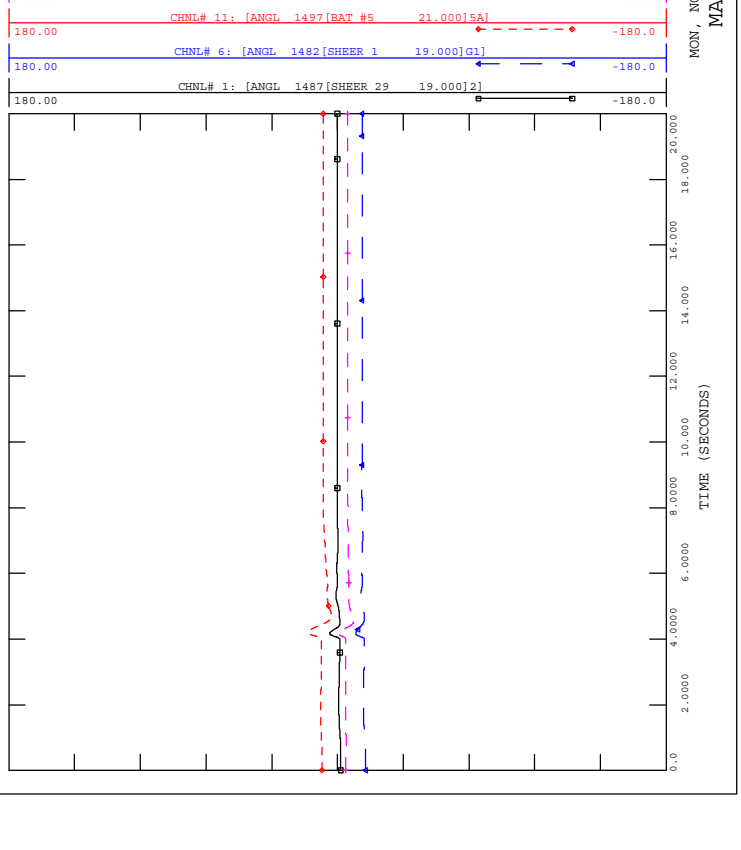


NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out

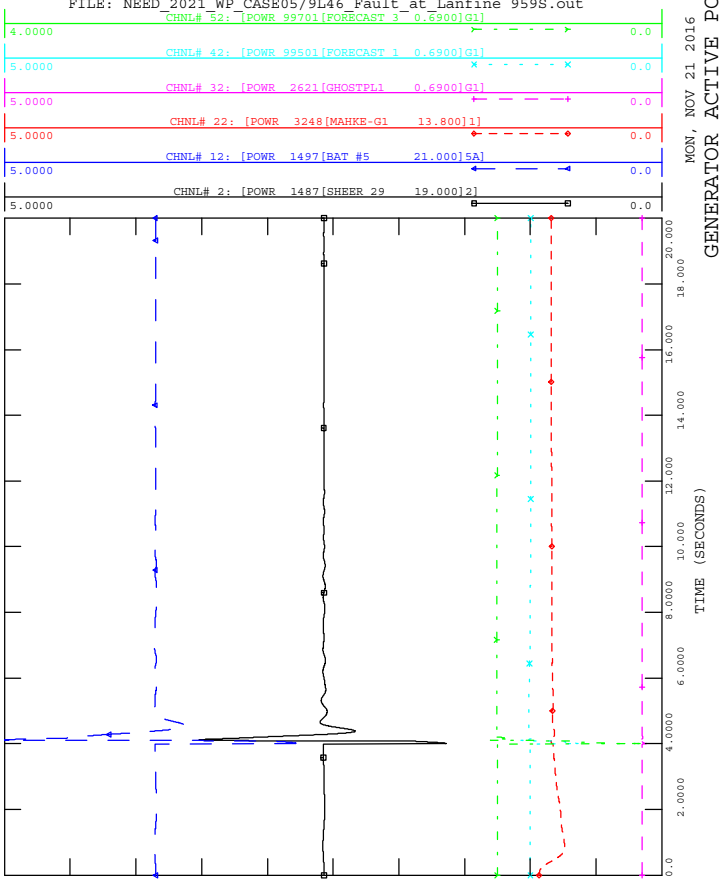
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out

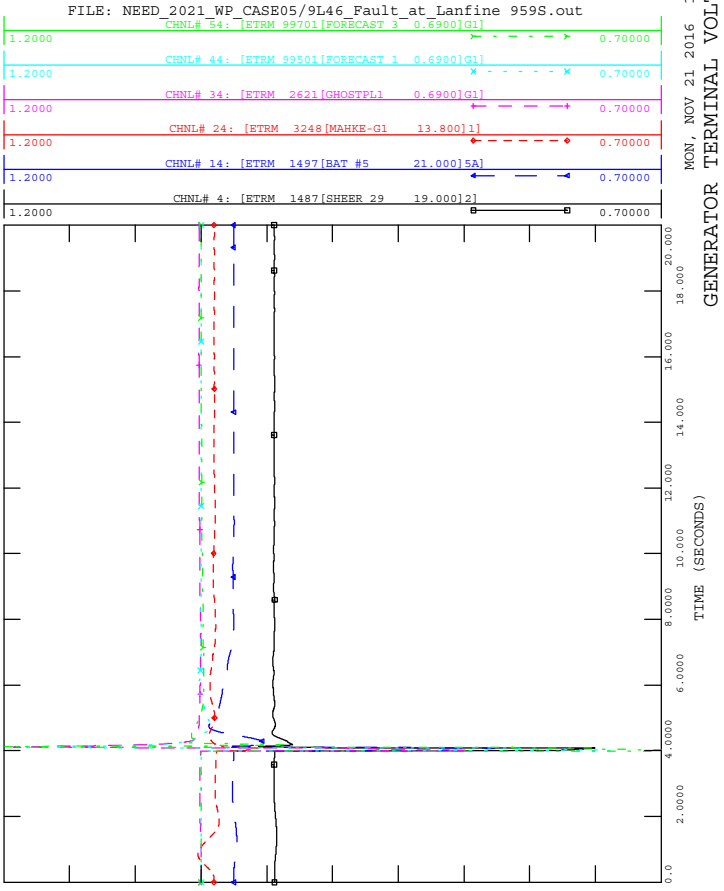


MON, NOV 21 2016 13:35

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out



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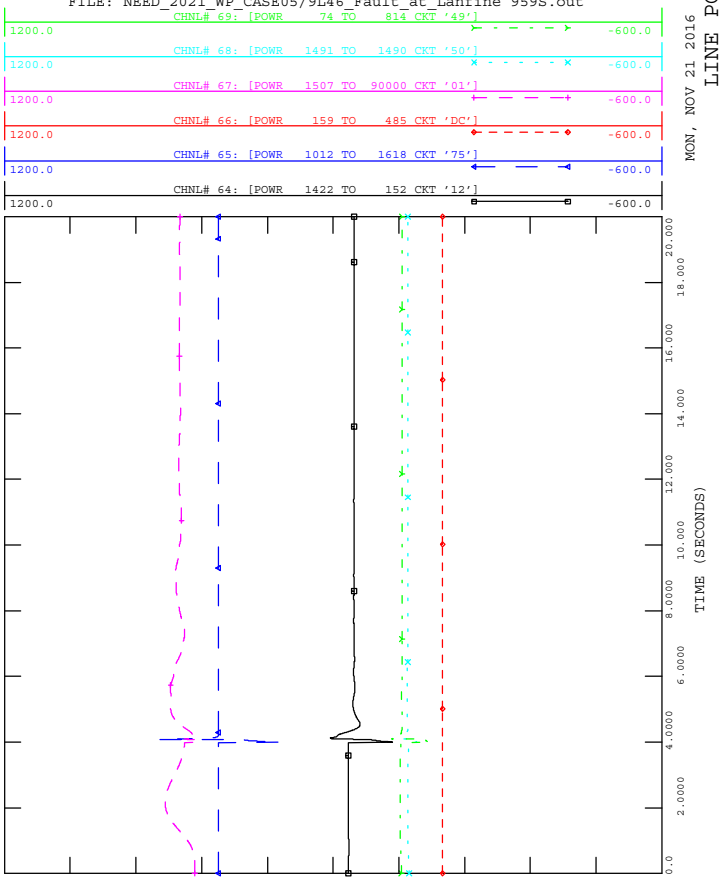
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out

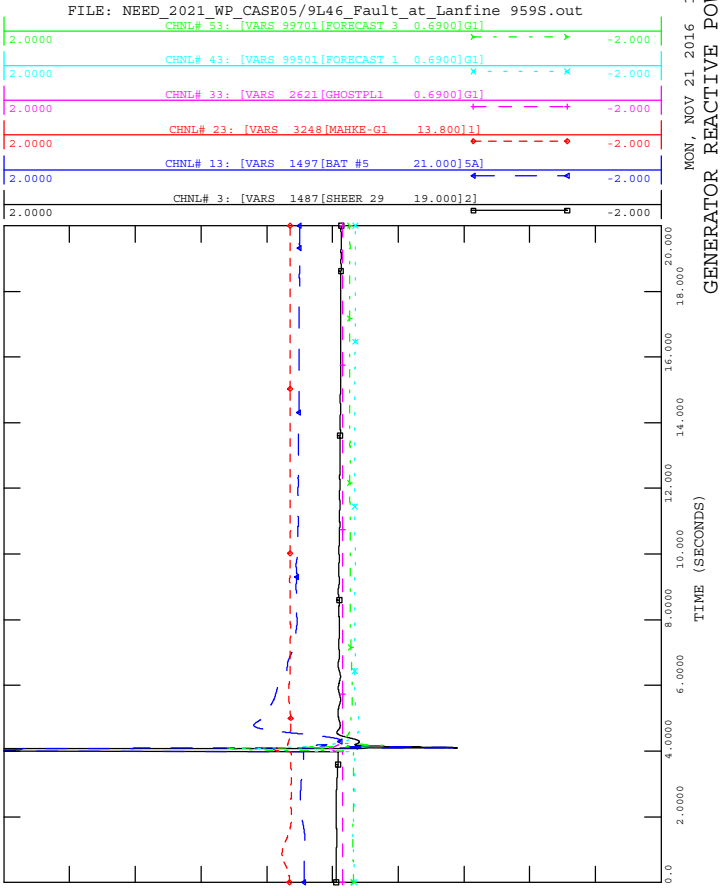


MON, NOV 21 2016 13:35

LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 13:35

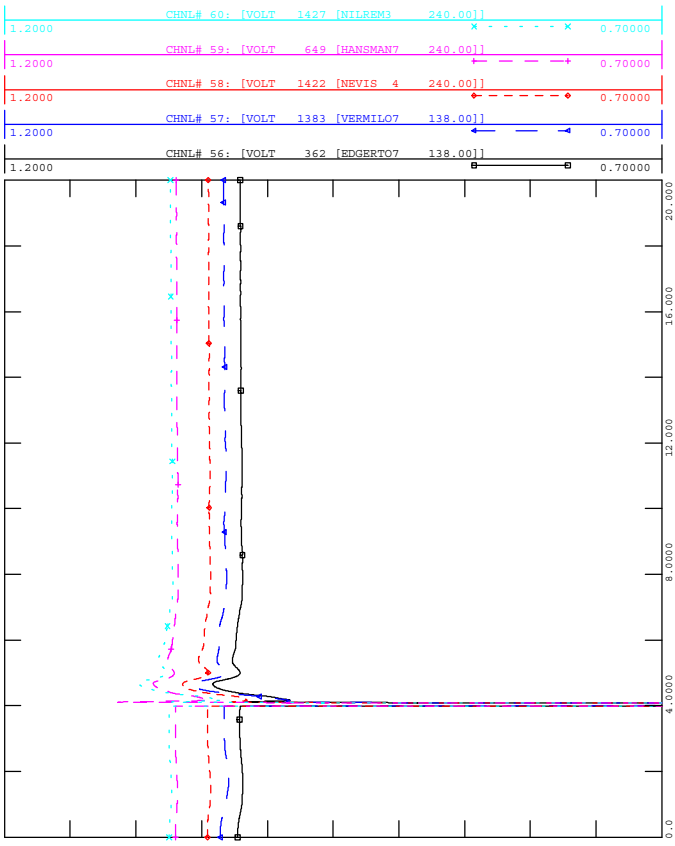
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

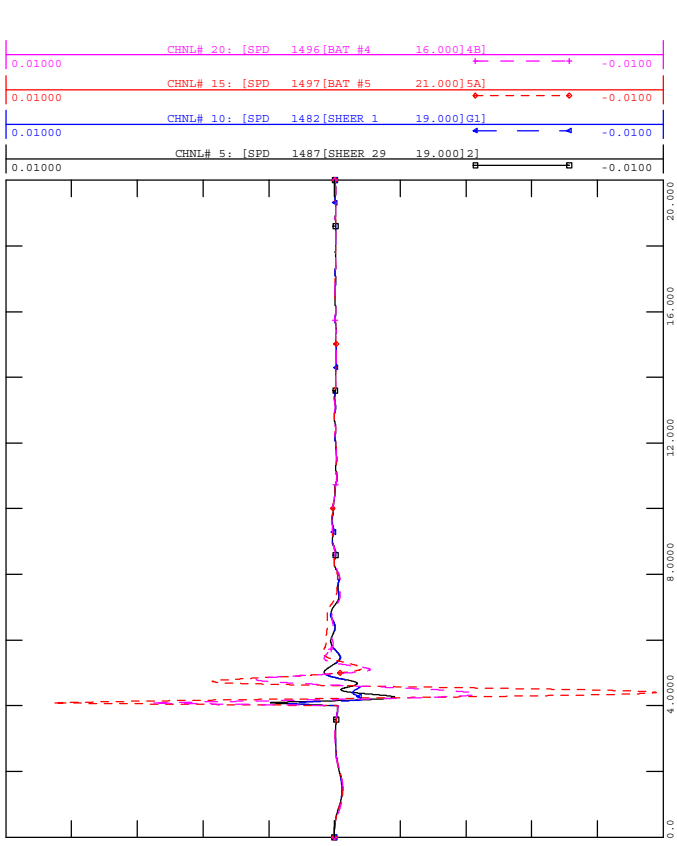


NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

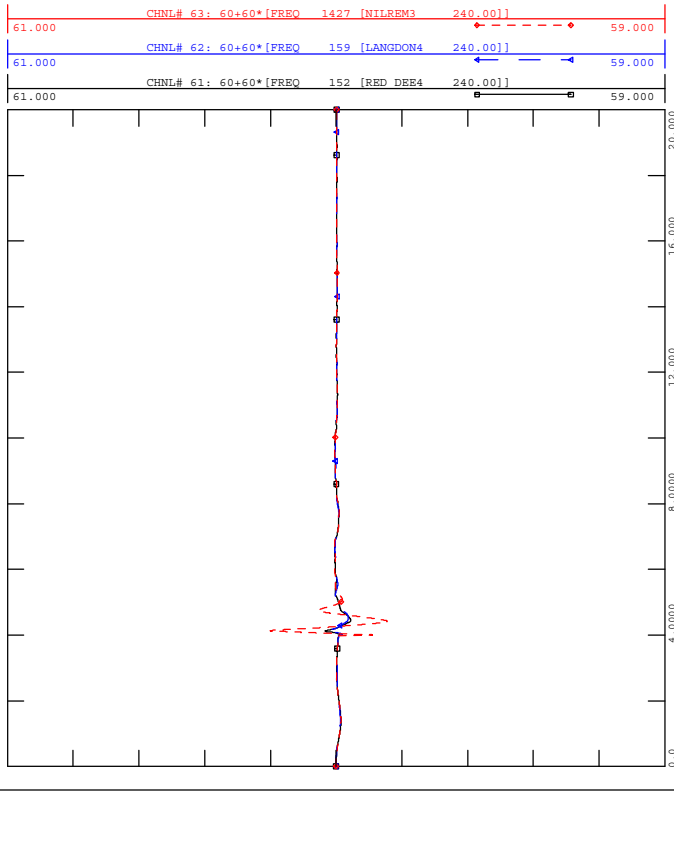


NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 13:35

FREQUENCY

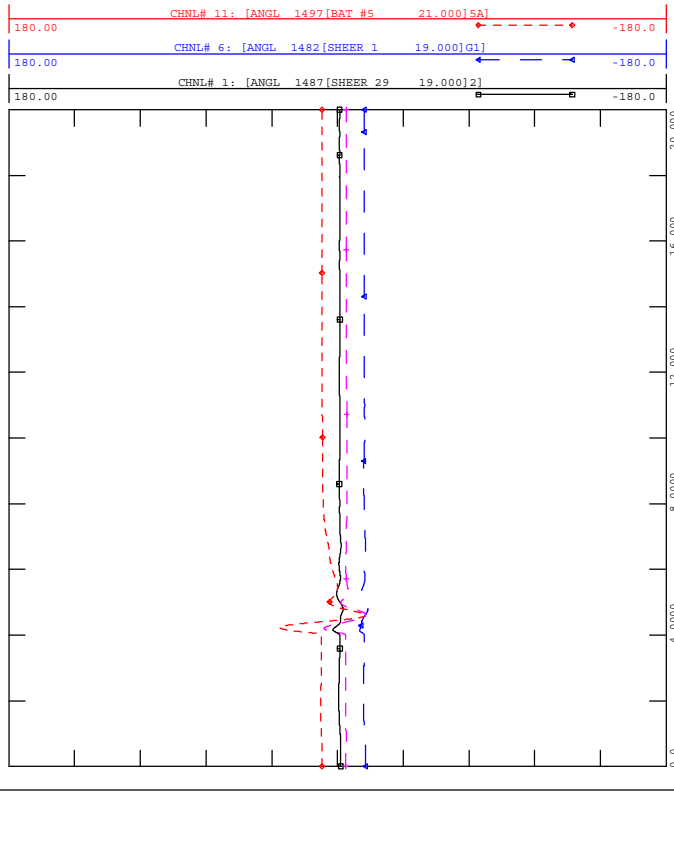


NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 13:35

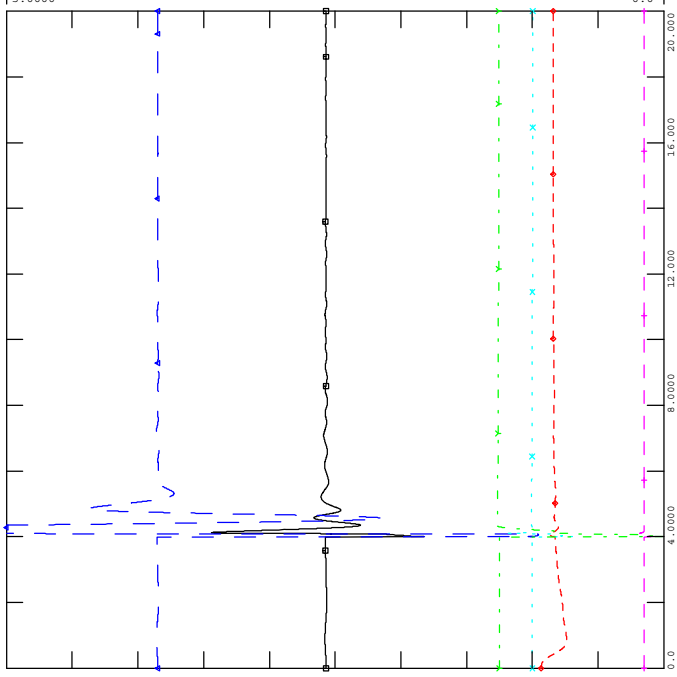
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

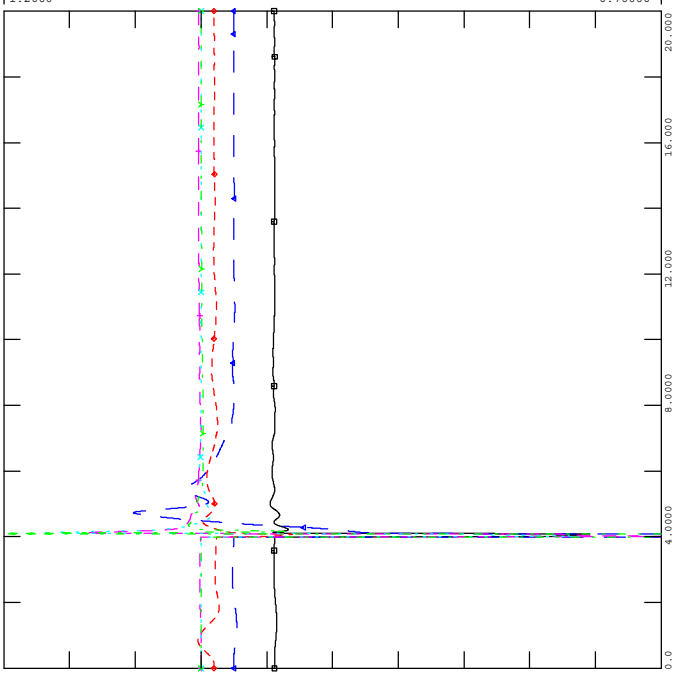


MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

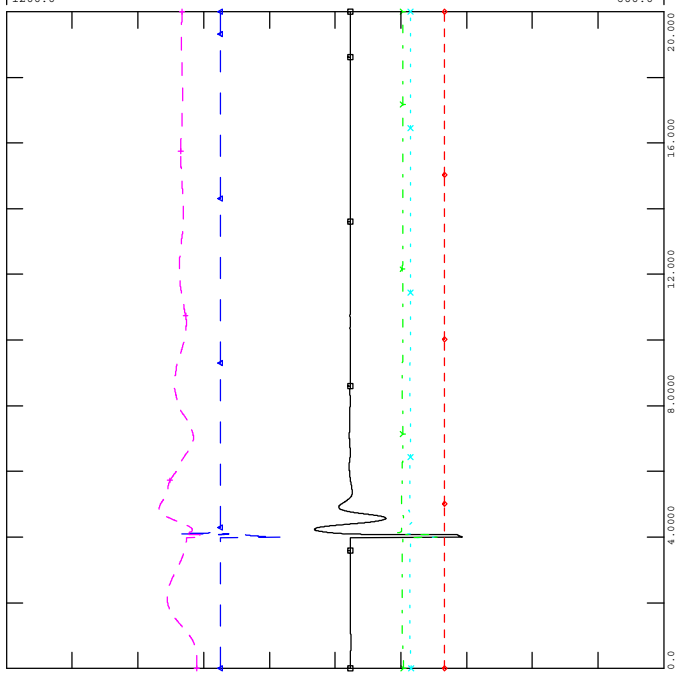


MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

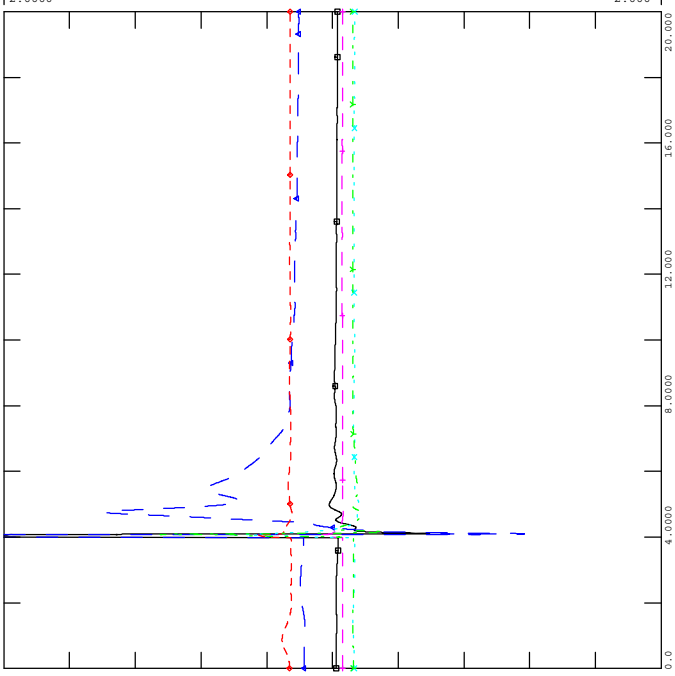


MON, NOV 21 2016 13:35
LINE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



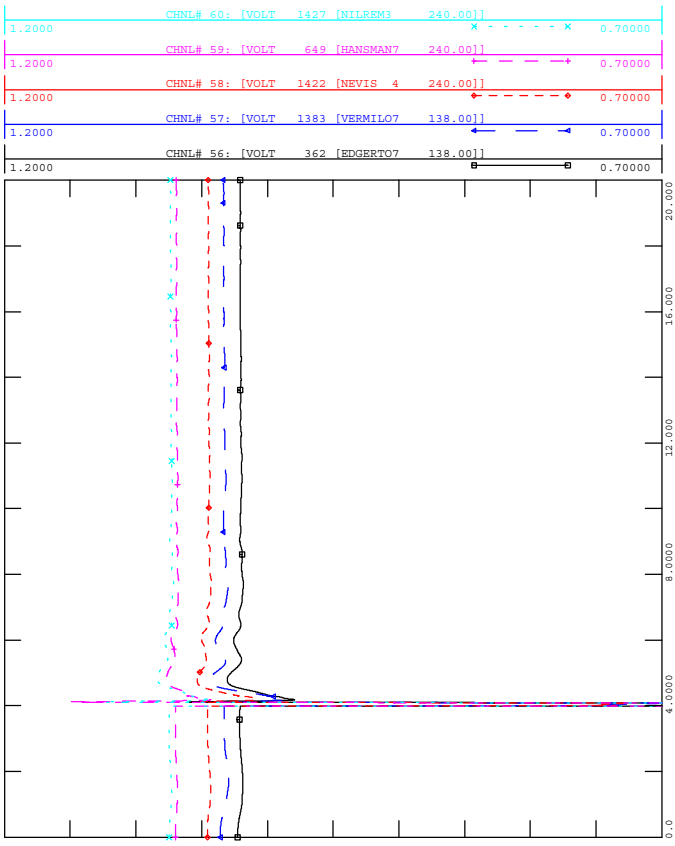
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

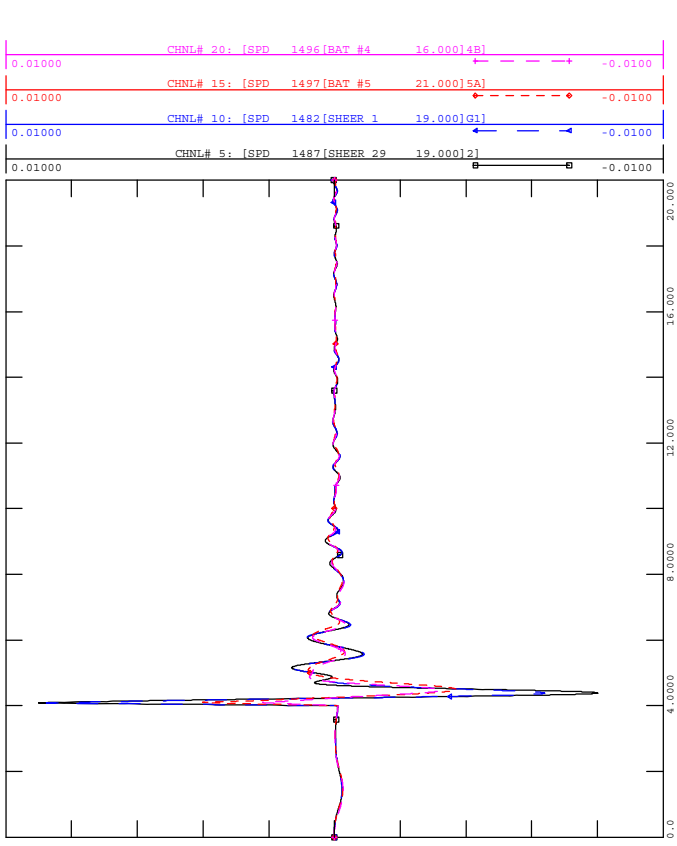


NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

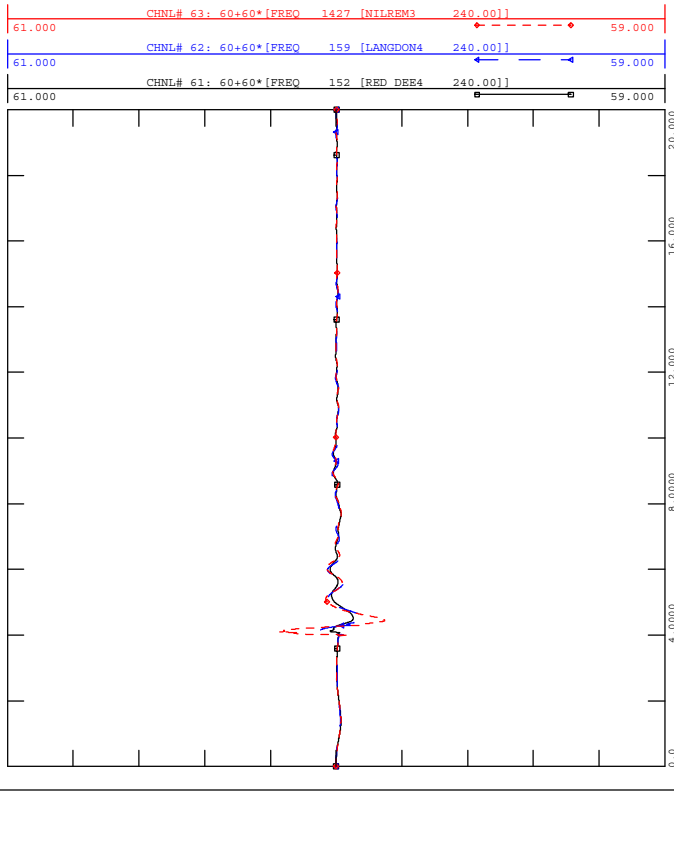


NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out

MON, NOV 21 2016 13:35

FREQUENCY

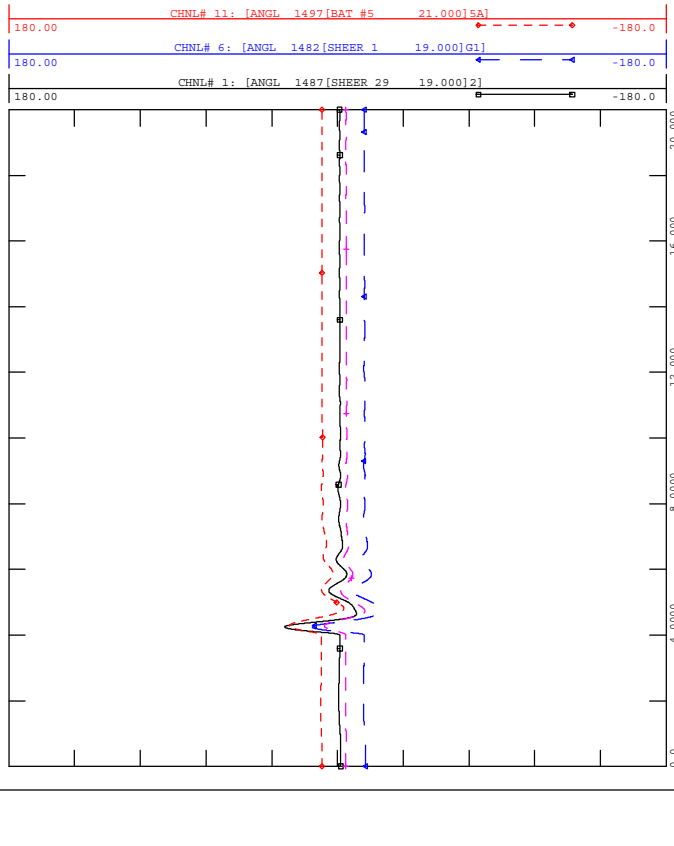


NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out

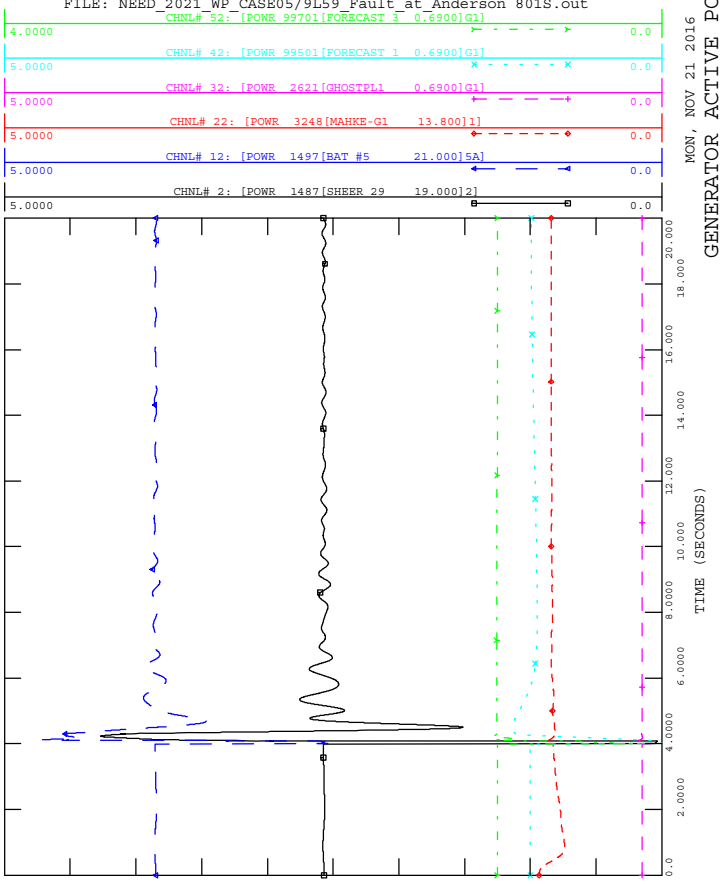
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out

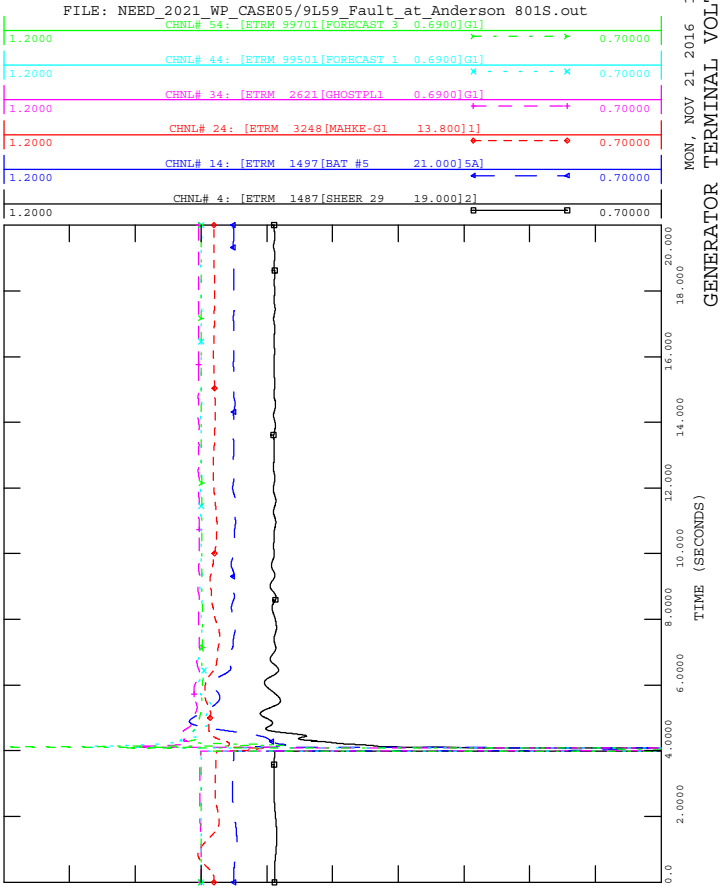


MON, NOV 21 2016 13:35

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out

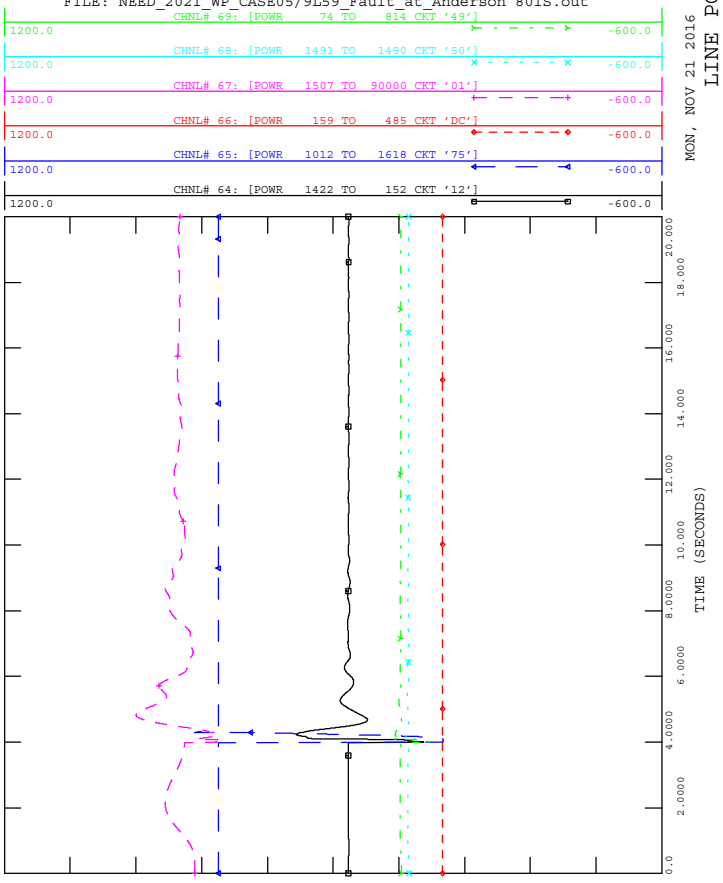


MON, NOV 21 2016 13:35

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out

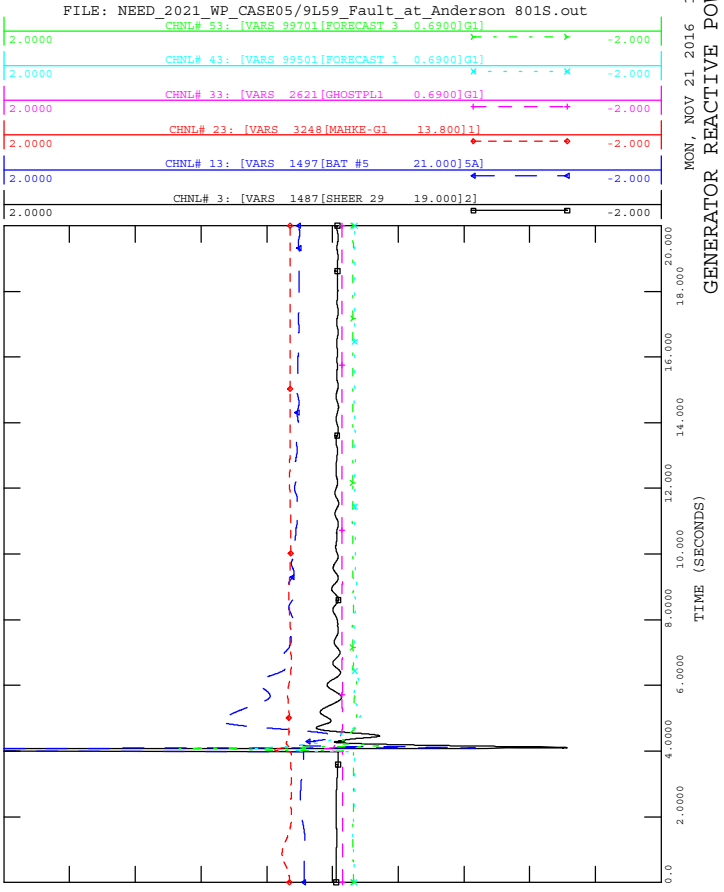


MON, NOV 21 2016 13:35

LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out



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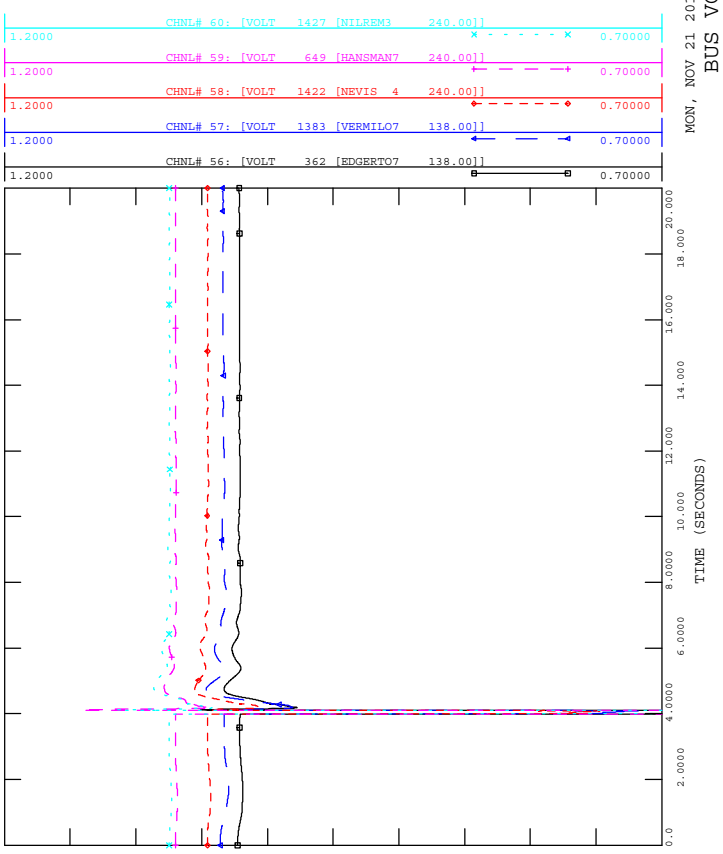
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

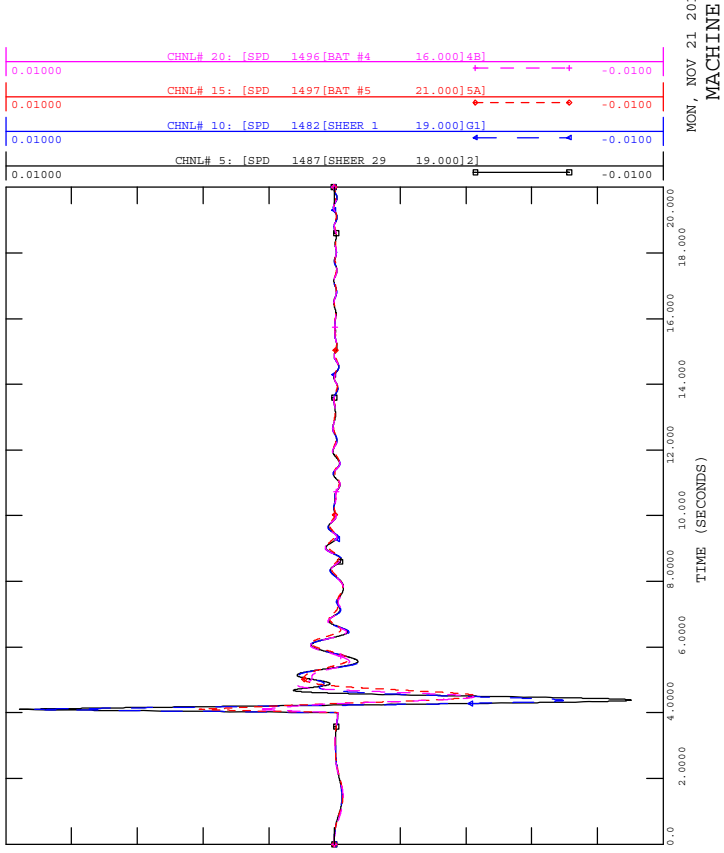


NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

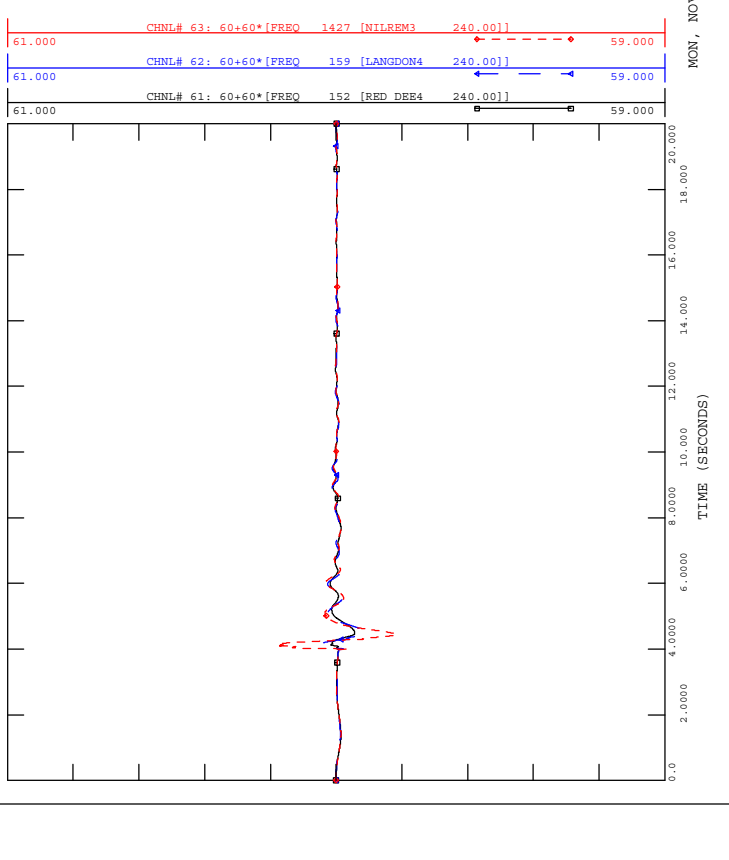


NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

FREQUENCY

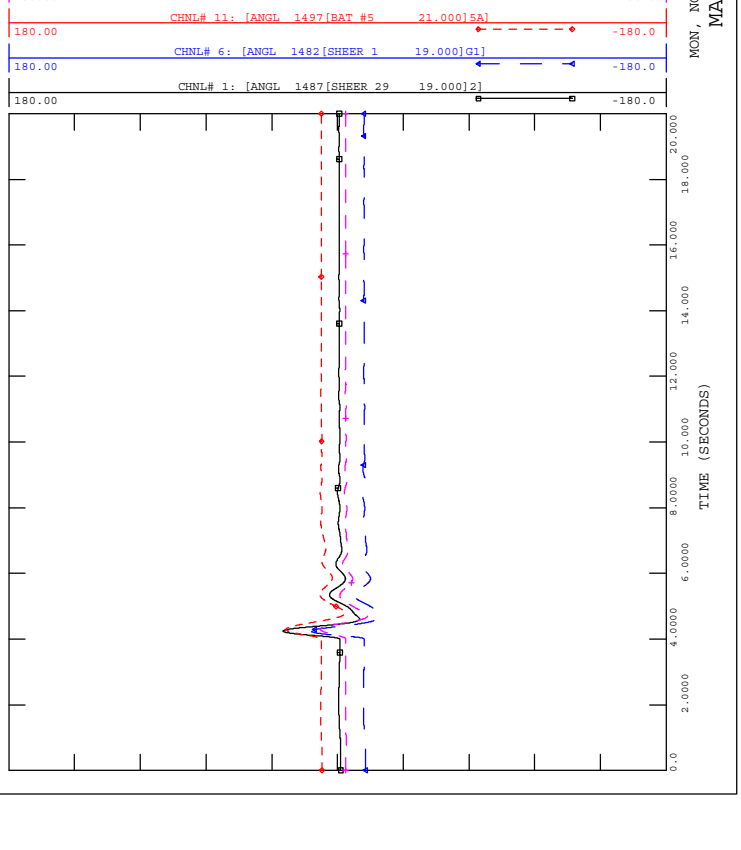


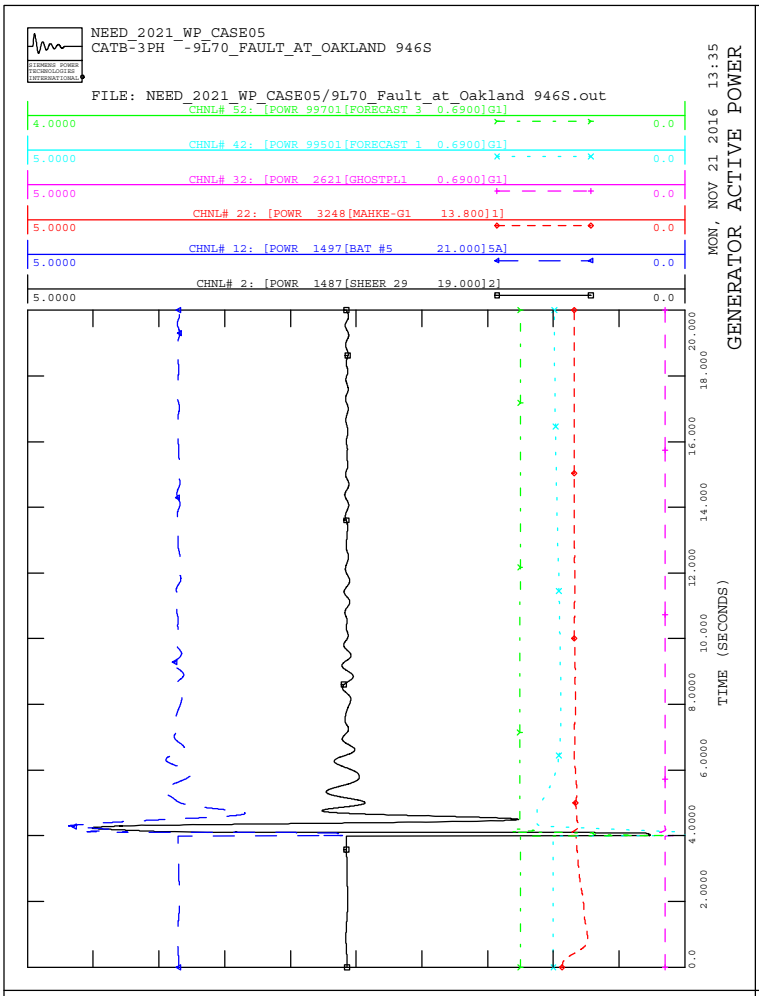
NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

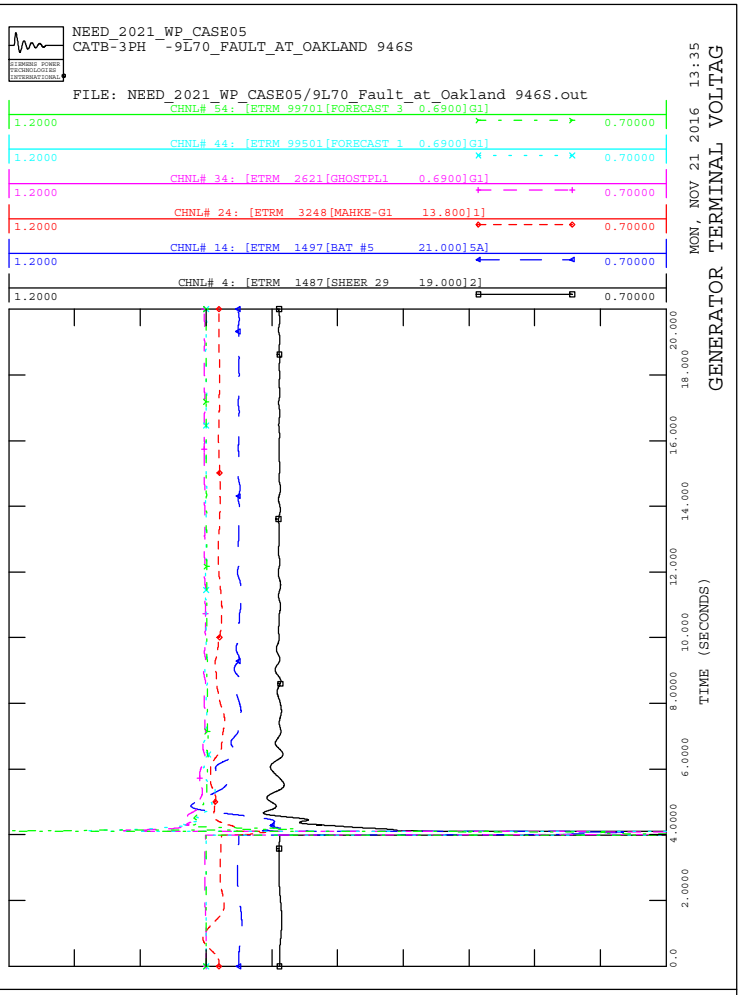
FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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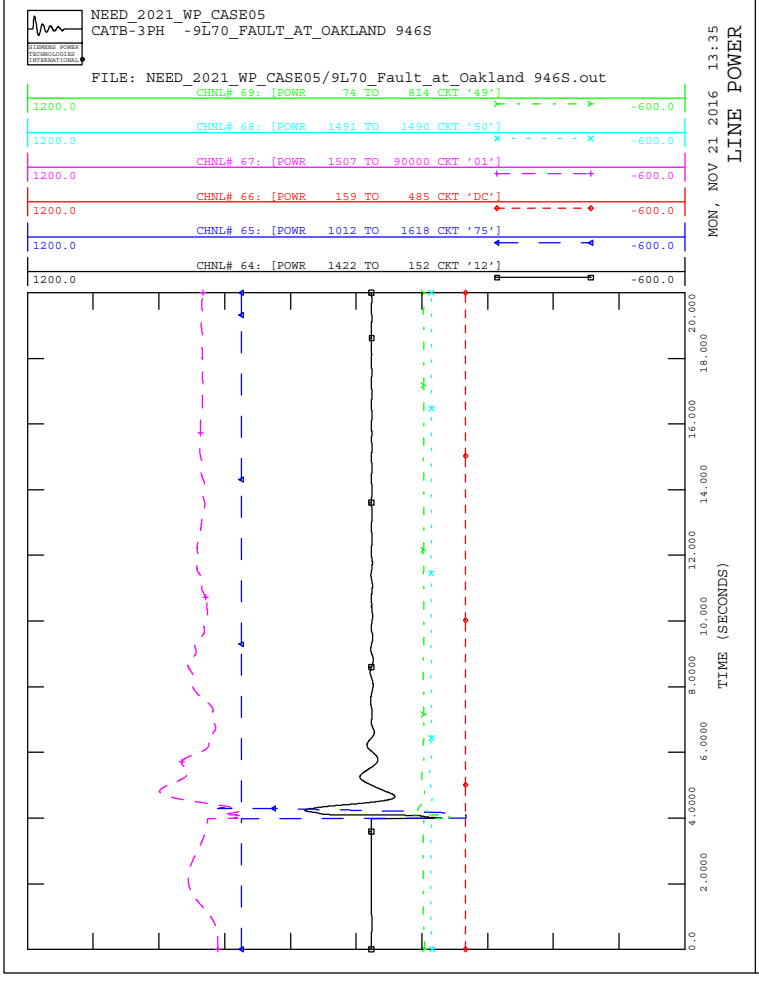
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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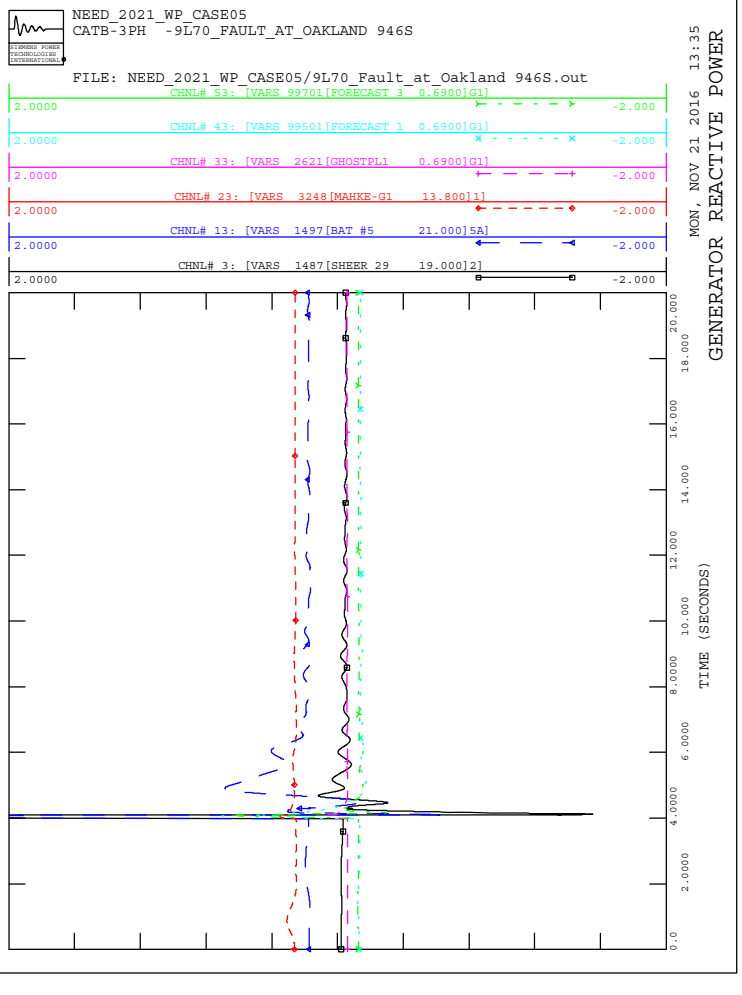
-600.0
TIME (SECONDS)
MON, NOV 21 2016 13:35
LINE POWER

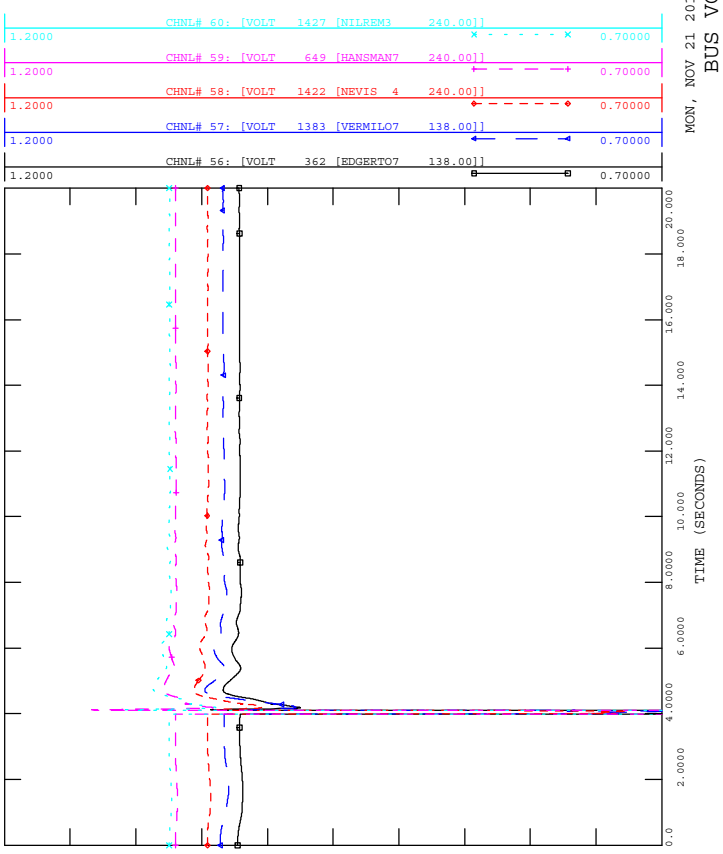

NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Anderson 801S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

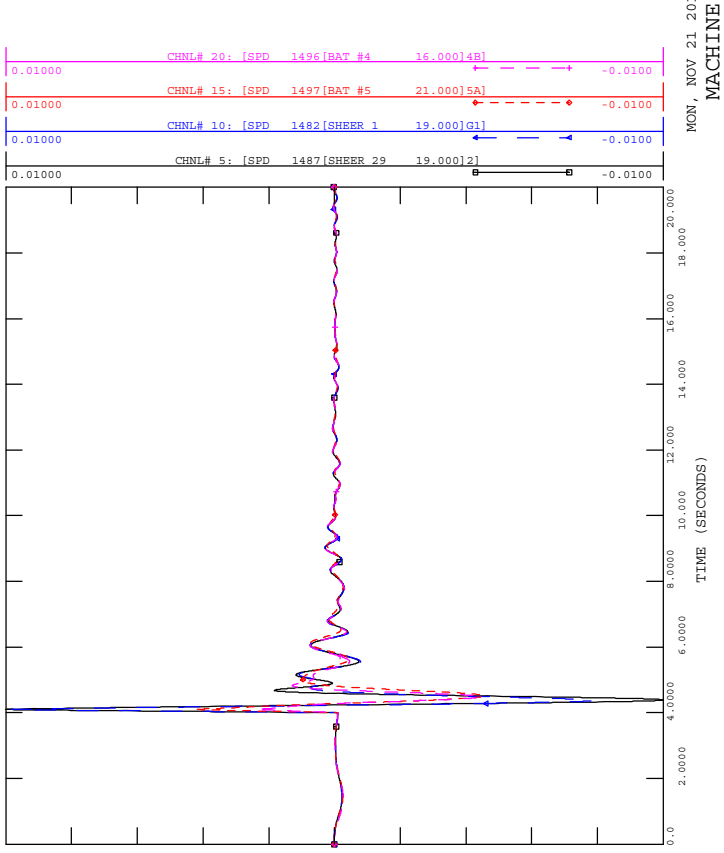


NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Anderson 801S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

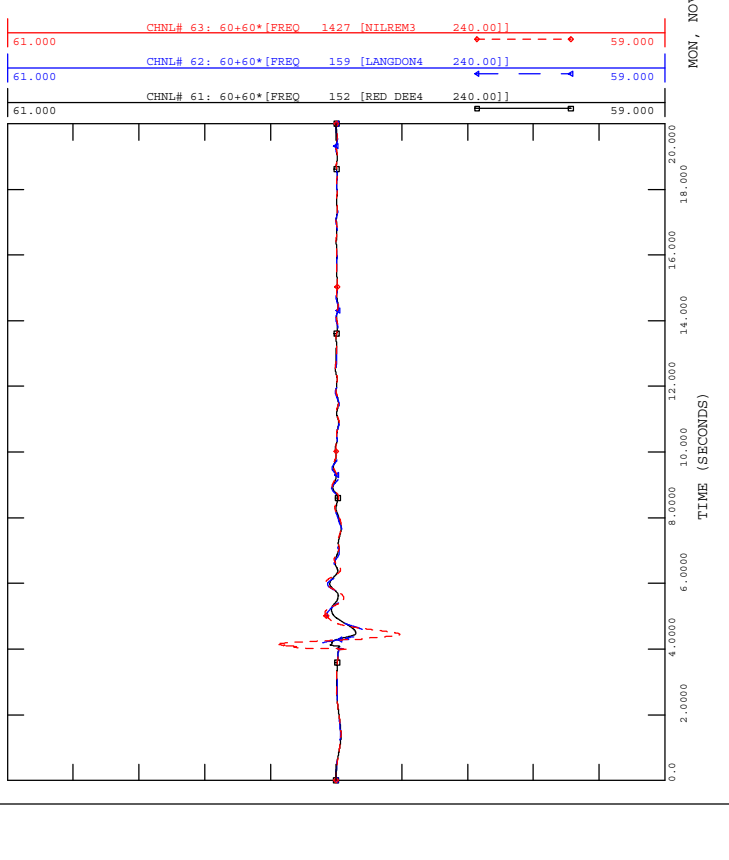


NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Anderson 801S.out

MON, NOV 21 2016 13:35

FREQUENCY



NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

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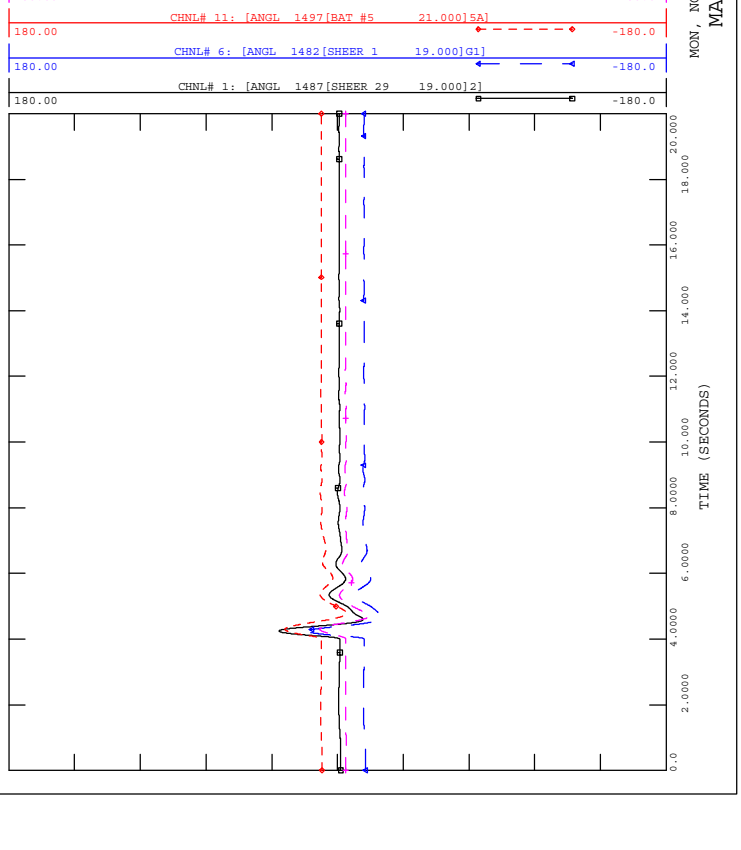
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

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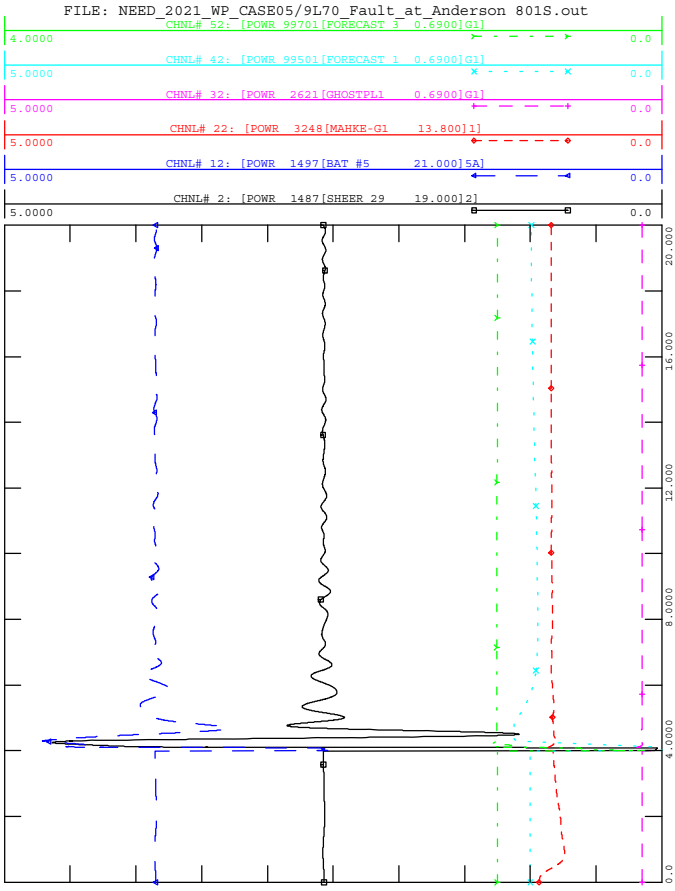
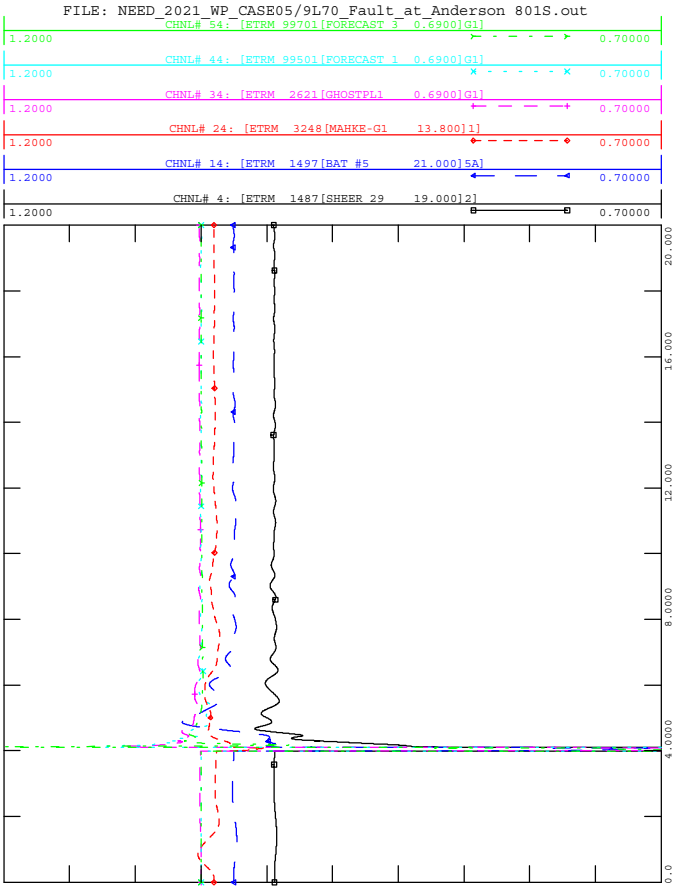


MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

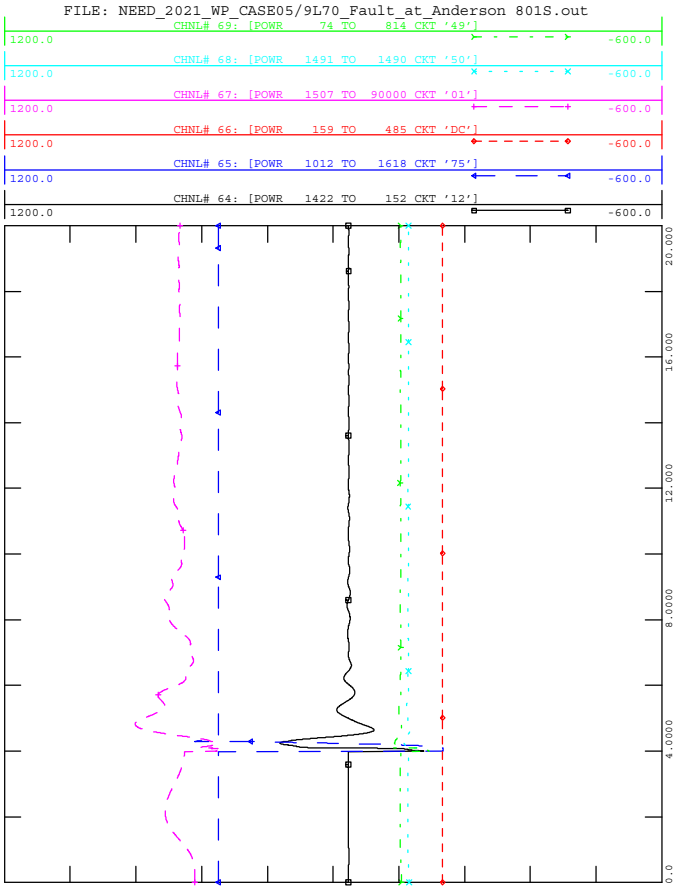
FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Anderson 801S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

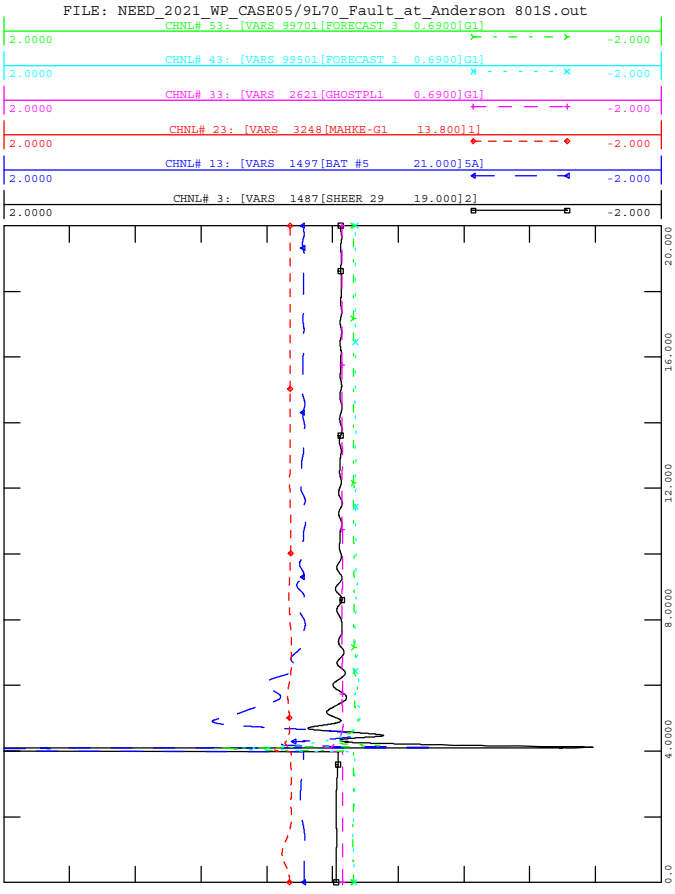
FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Anderson 801S.out



MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Anderson 801S.out



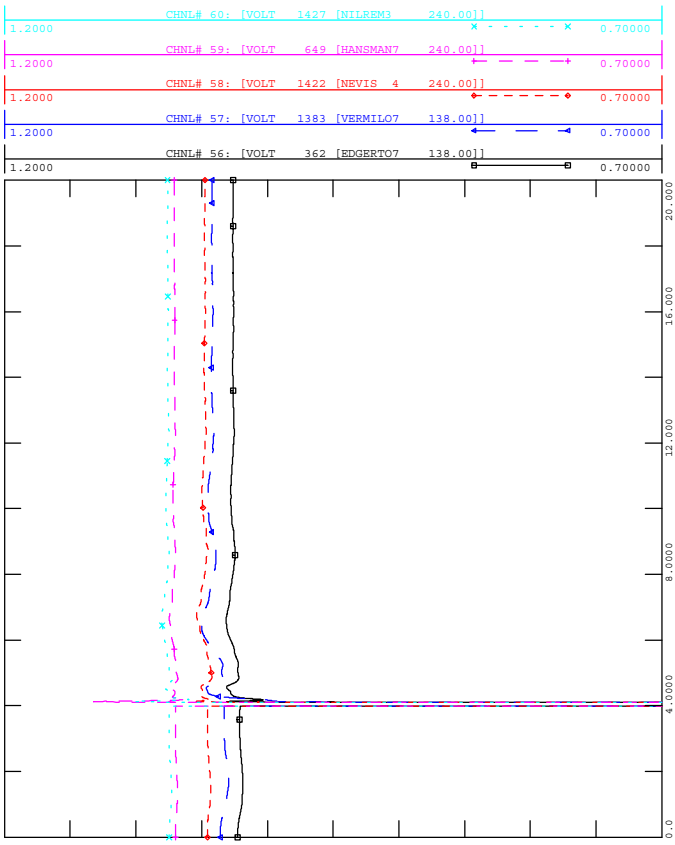
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

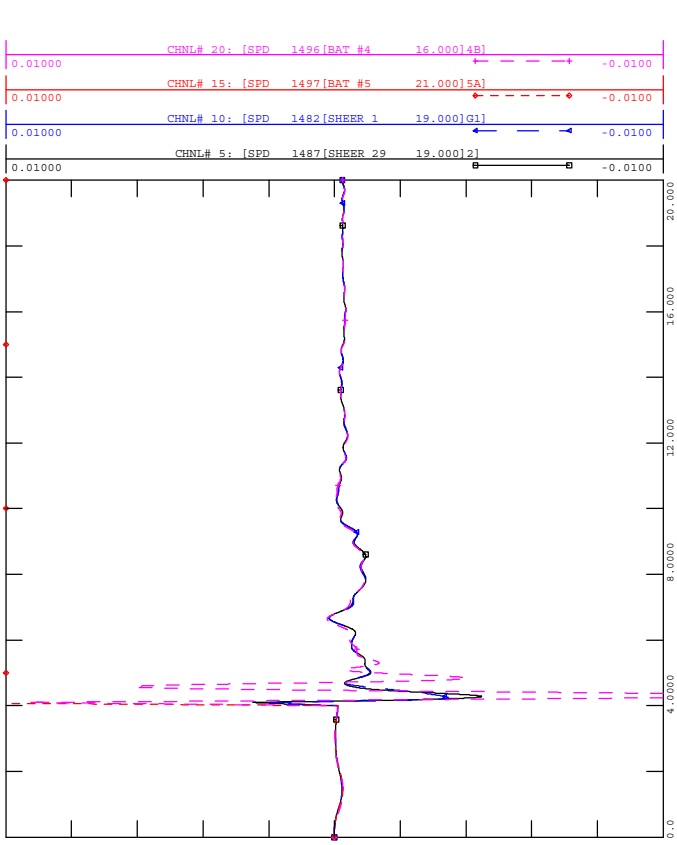


NEED_2021_WP_CASE05
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

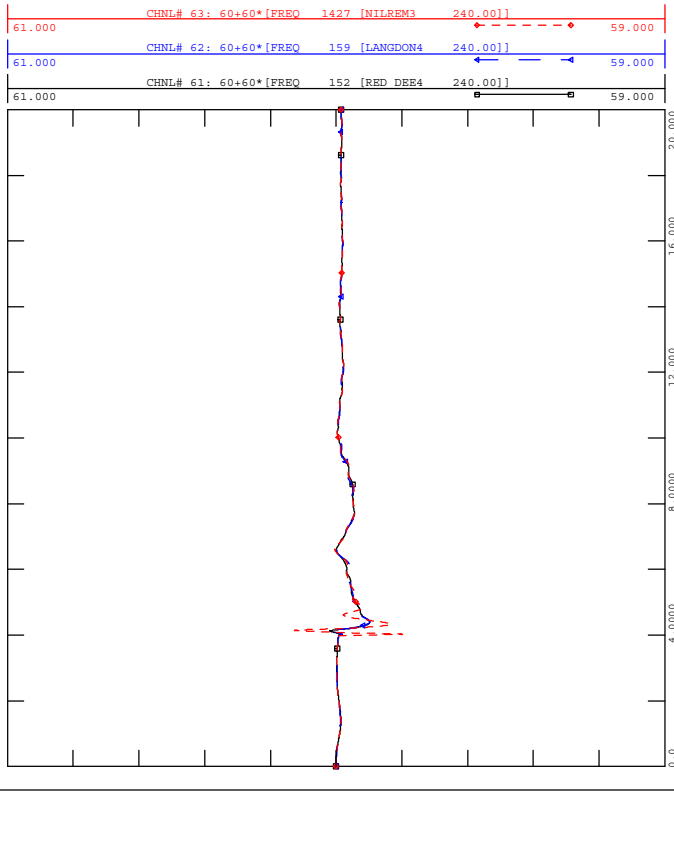


NEED_2021_WP_CASE05
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:35

FREQUENCY

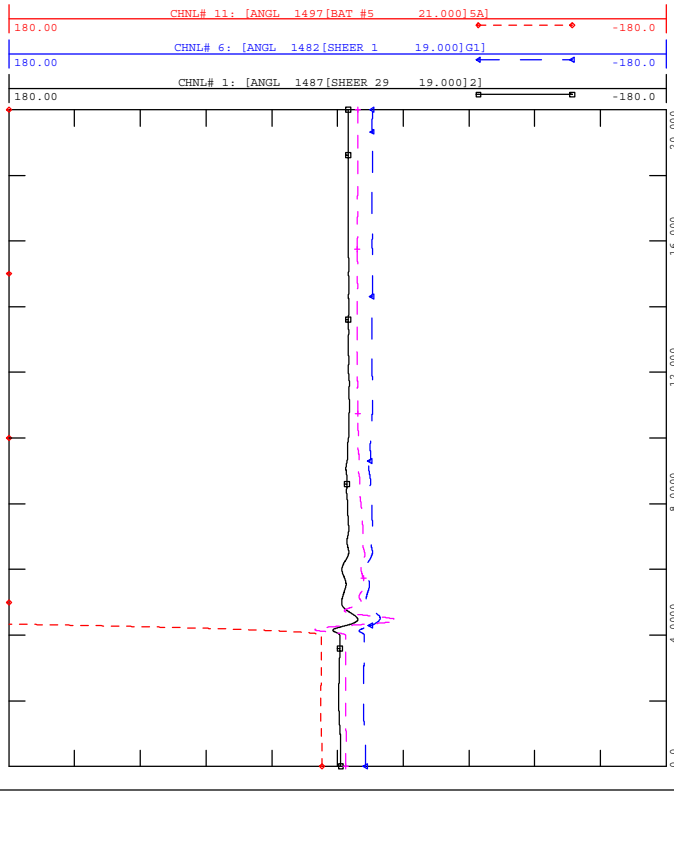


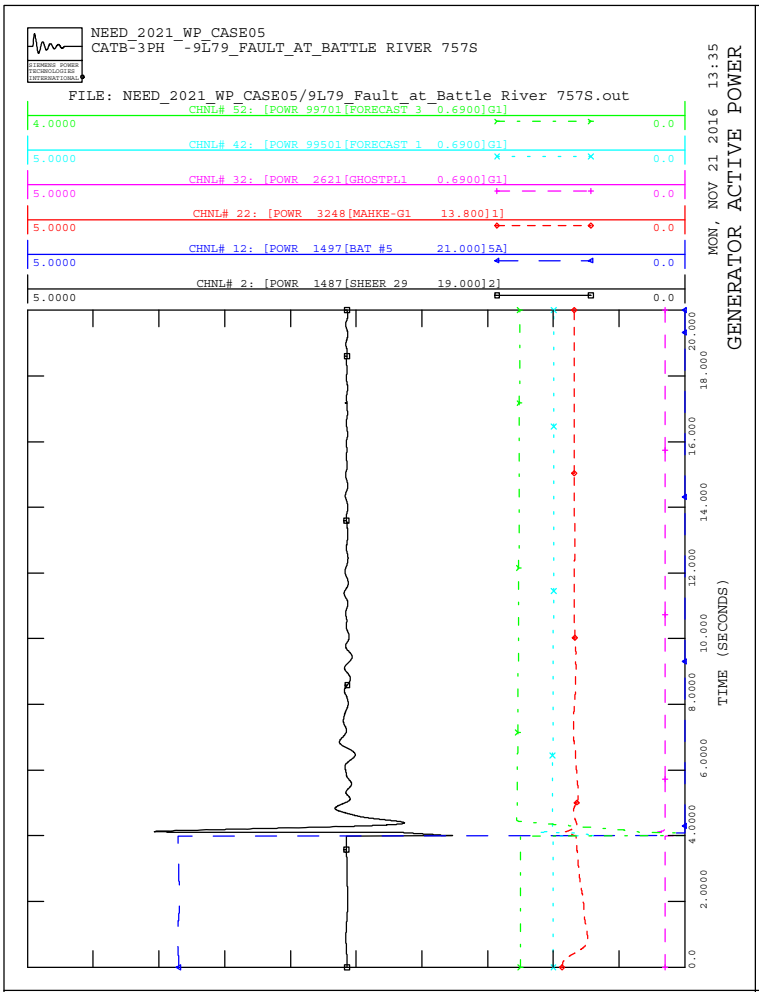
NEED_2021_WP_CASE05
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL

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CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
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CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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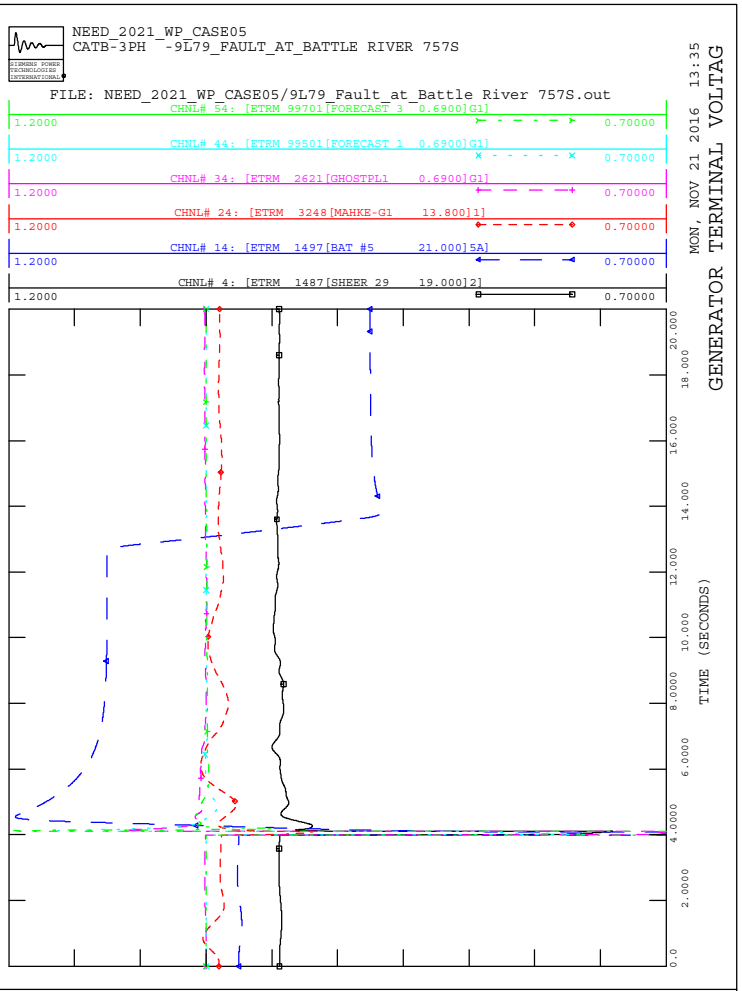
0.0
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER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MON, NOV 21 2016 13:35
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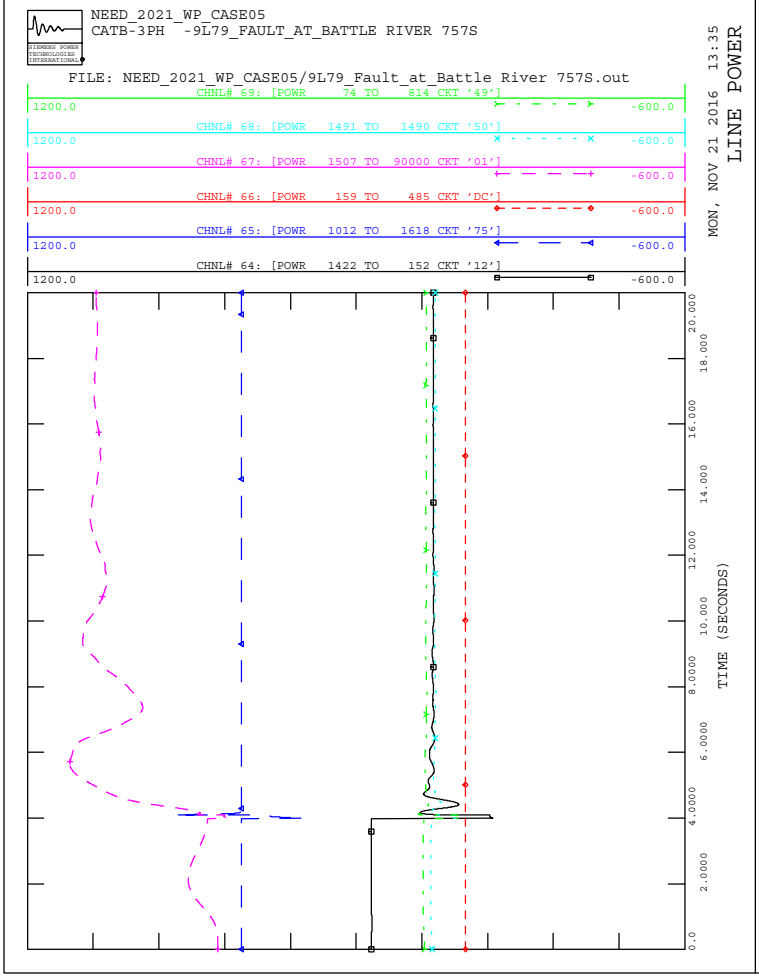
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CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
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CHNL# 69: [POWR 74 TO 814 CKT '49']
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CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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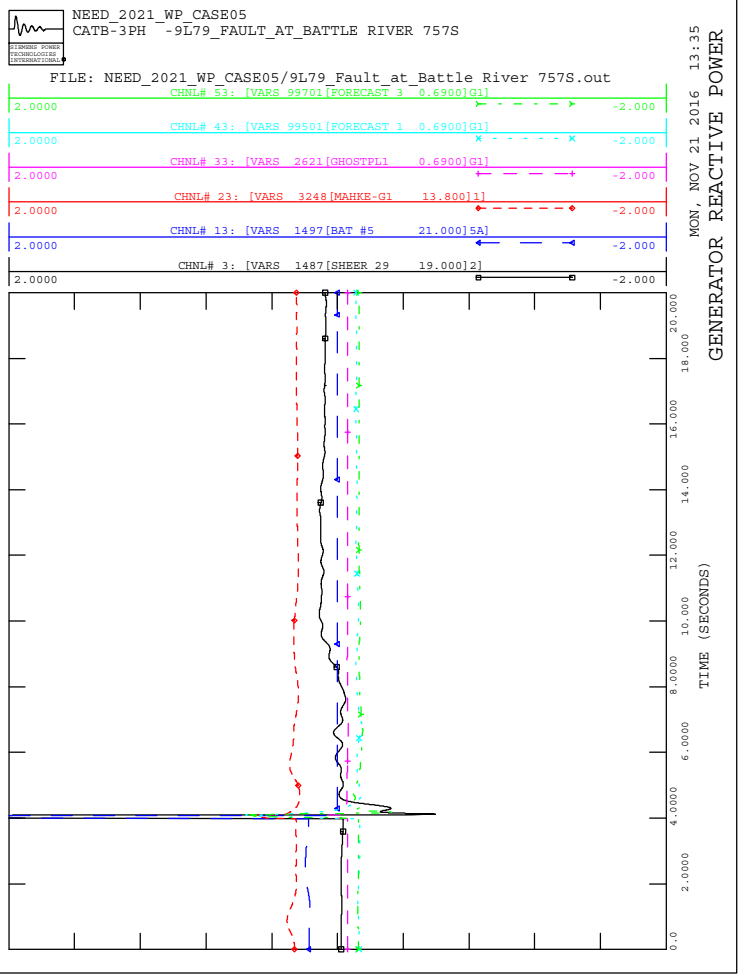
TIME (SECONDS)
MON, NOV 21 2016 13:35
LINE POWER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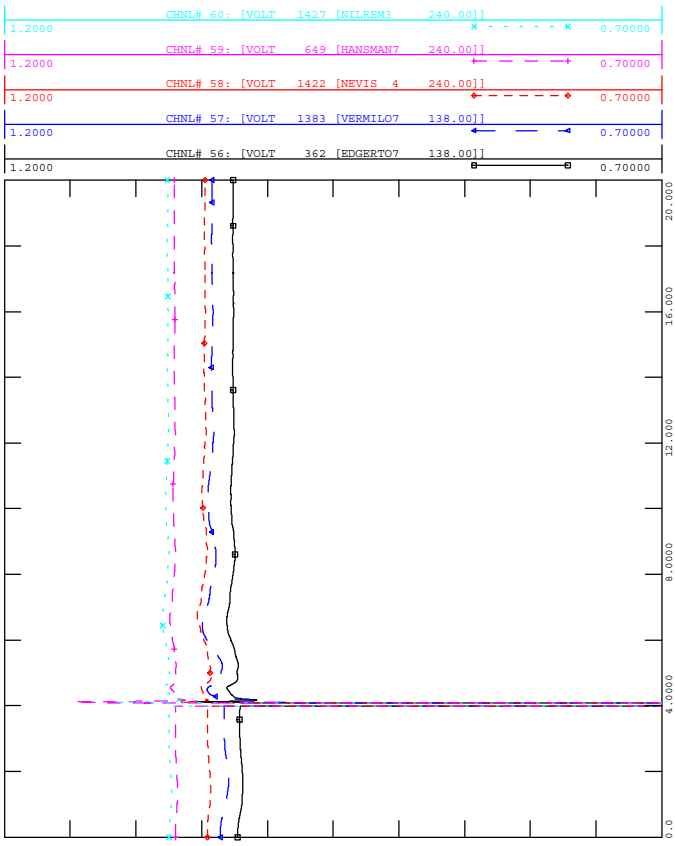
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE



NEED_2021_WP_CASE05
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

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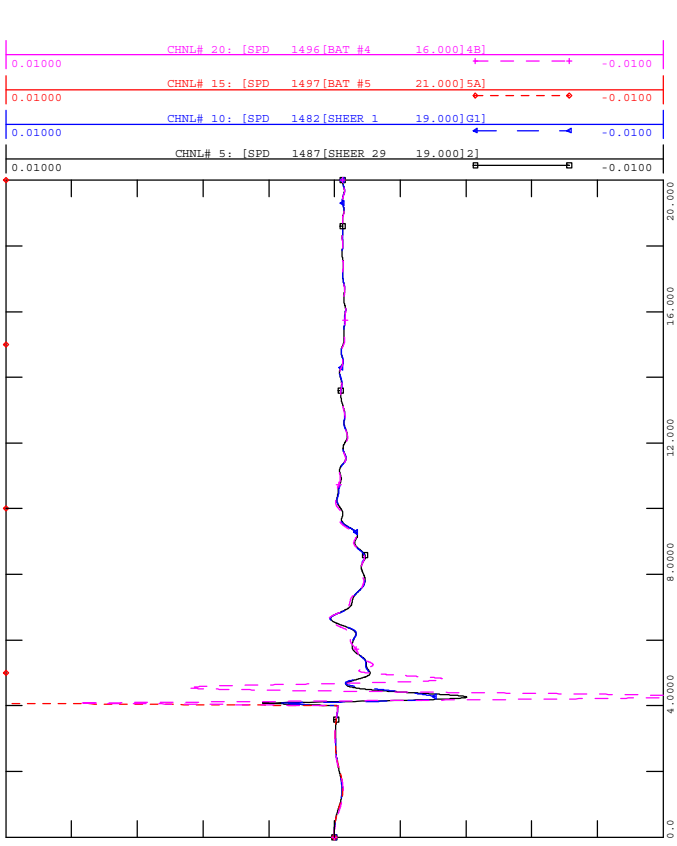
MON, NOV 21 2016 13:35

MACHINE SPEED



NEED_2021_WP_CASE05
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

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MON, NOV 21 2016 13:35

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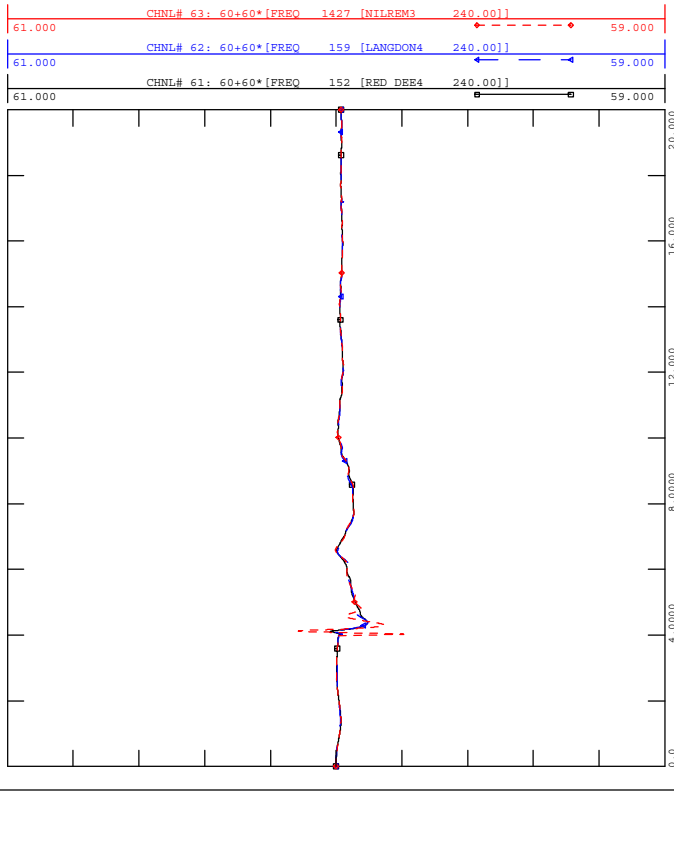

NEED_2021_WP_CASE05
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

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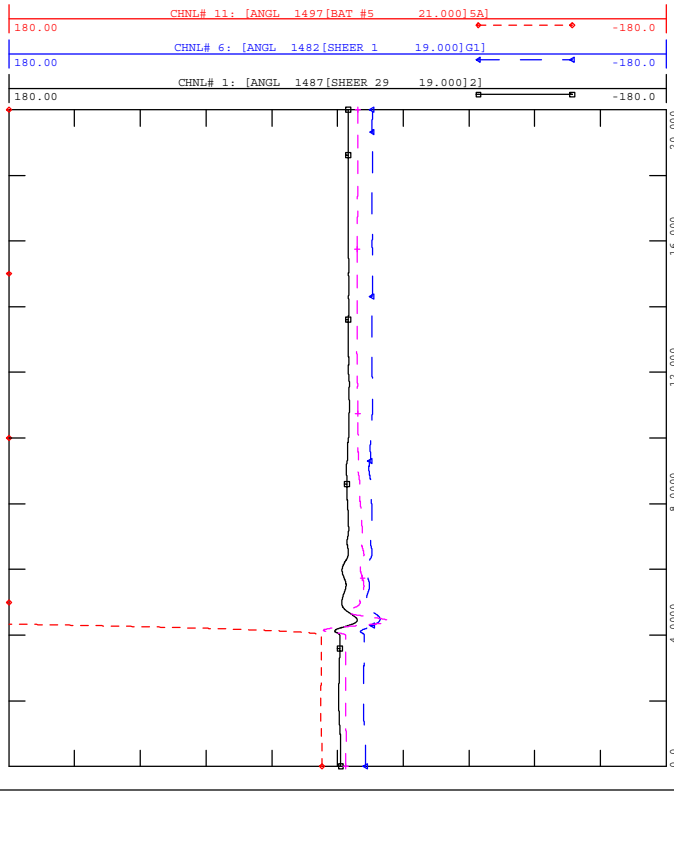
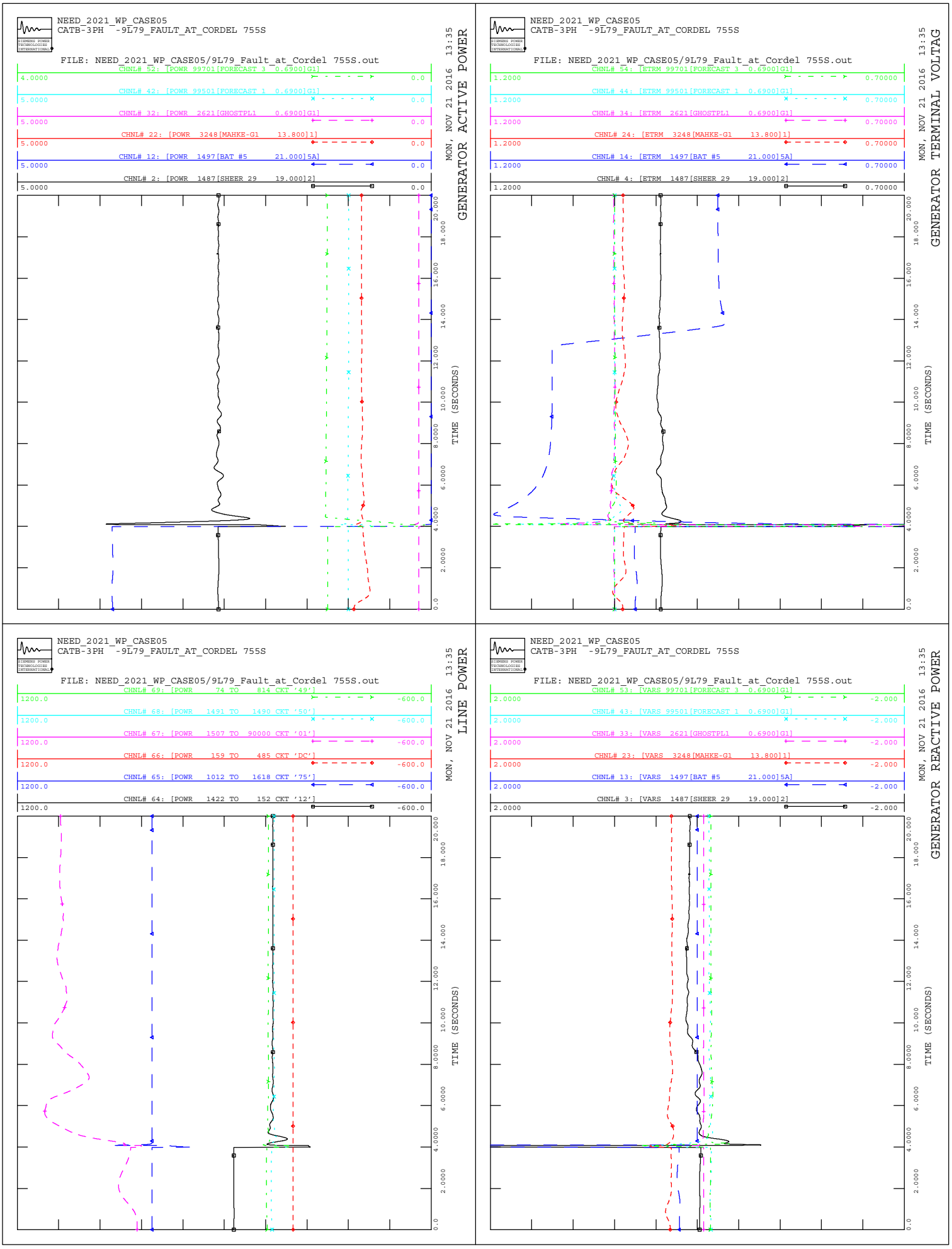
MON, NOV 21 2016 13:35

MACHINE ANGEL

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CATB-3PH -9L79_FAULT_AT_CORDEL 755S
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CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:35
TIME (SECONDS)
NEED_2021_WP_CASE05
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Cordel 755S.out
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GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:35
TIME (SECONDS)
NEED_2021_WP_CASE05
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
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CHNL# 69: [POWR 74 TO 814 CKT '49']
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CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:35
TIME (SECONDS)
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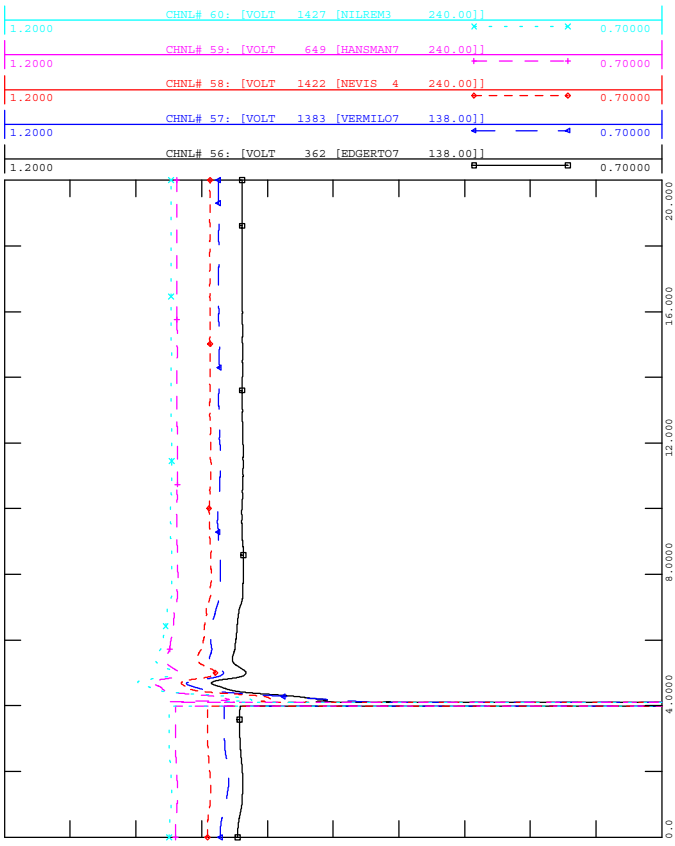
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:35
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Battle River 757S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE



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CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

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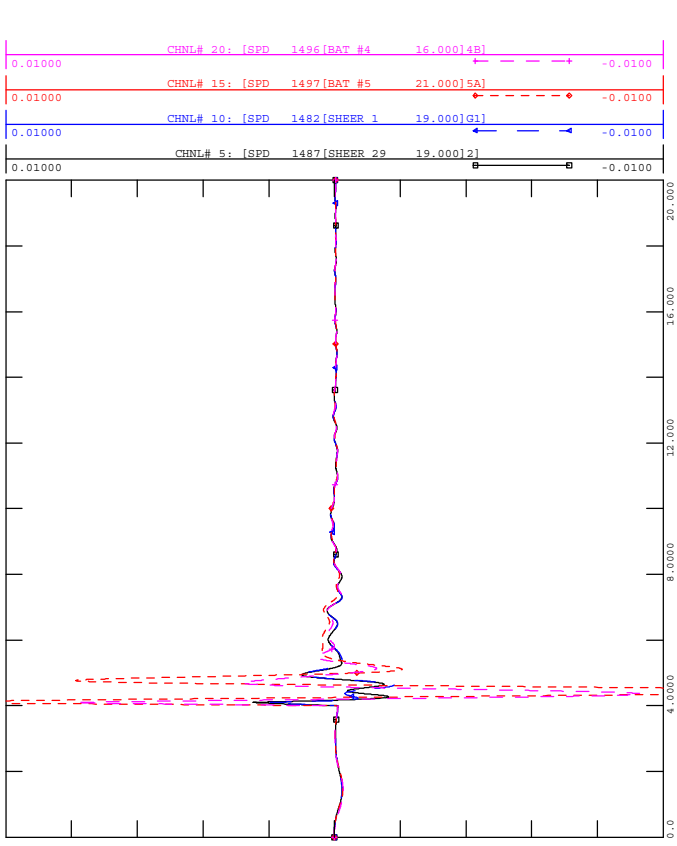
MON, NOV 21 2016 13:35

MACHINE SPEED



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CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

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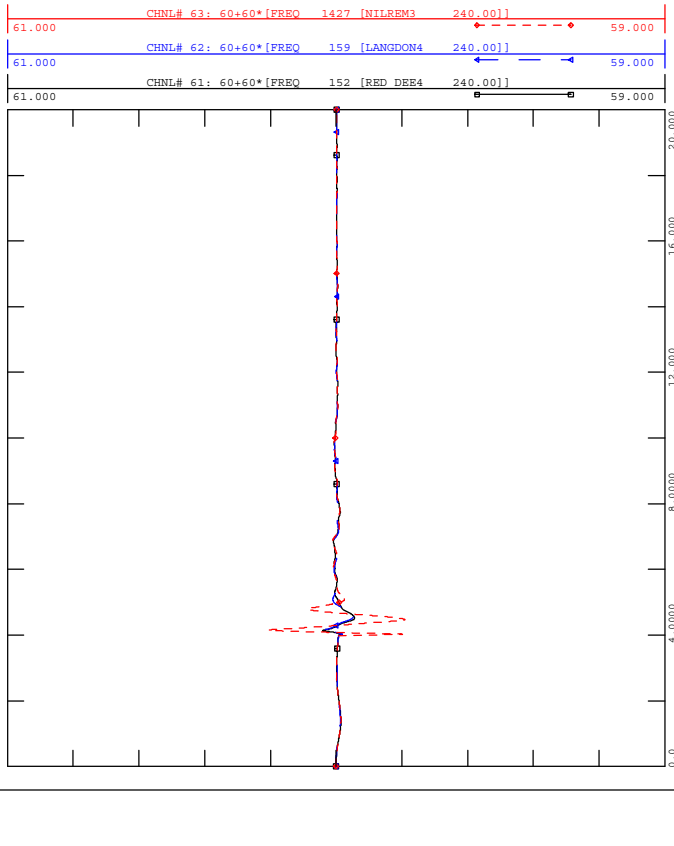

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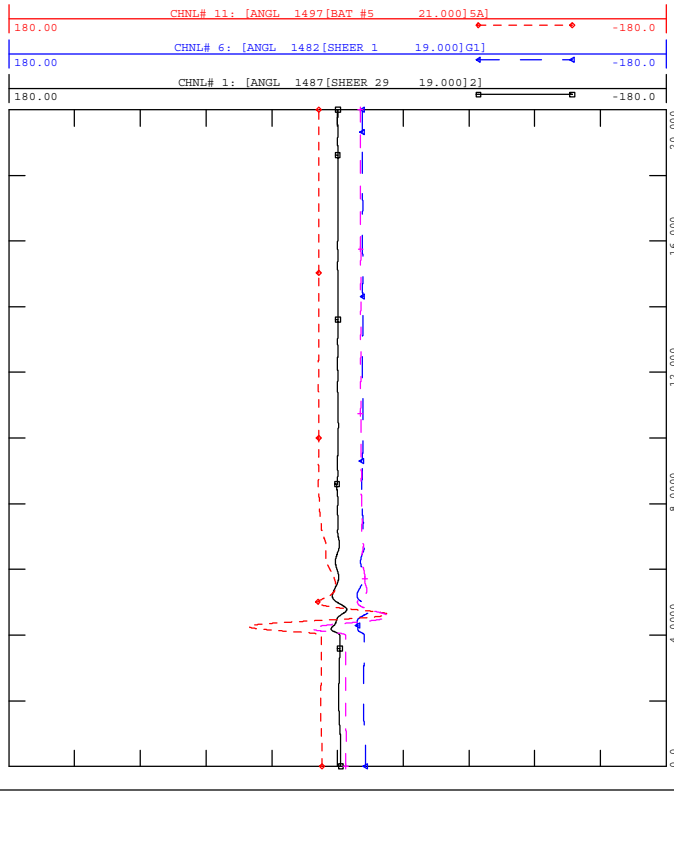
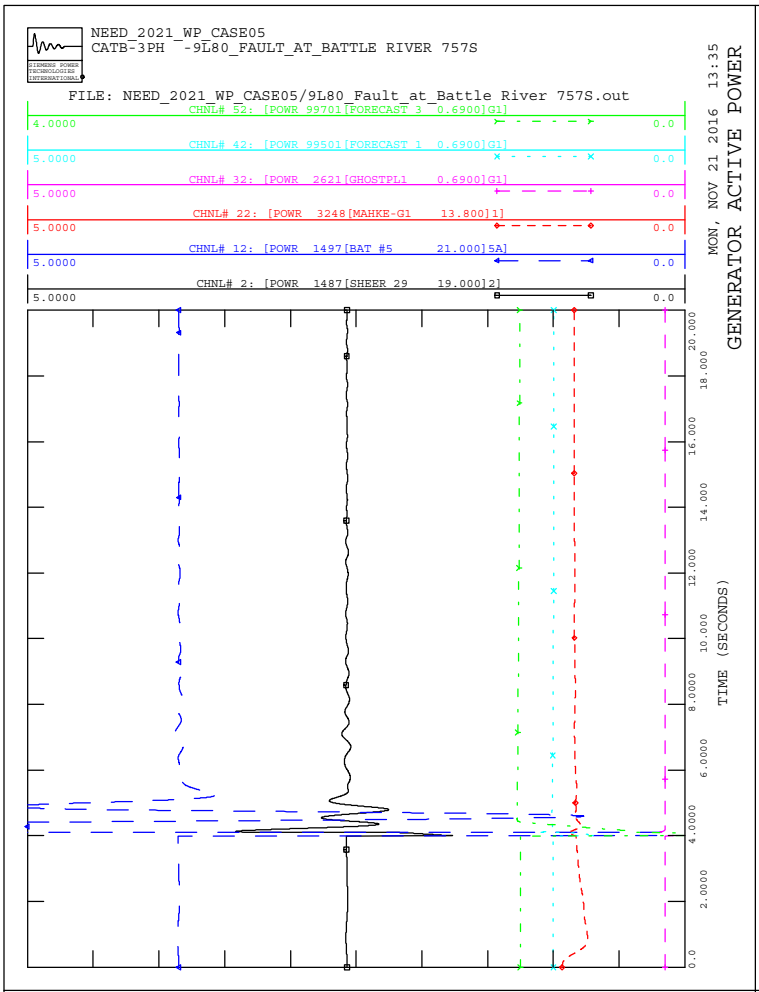
MON, NOV 21 2016 13:35

MACHINE ANGEL

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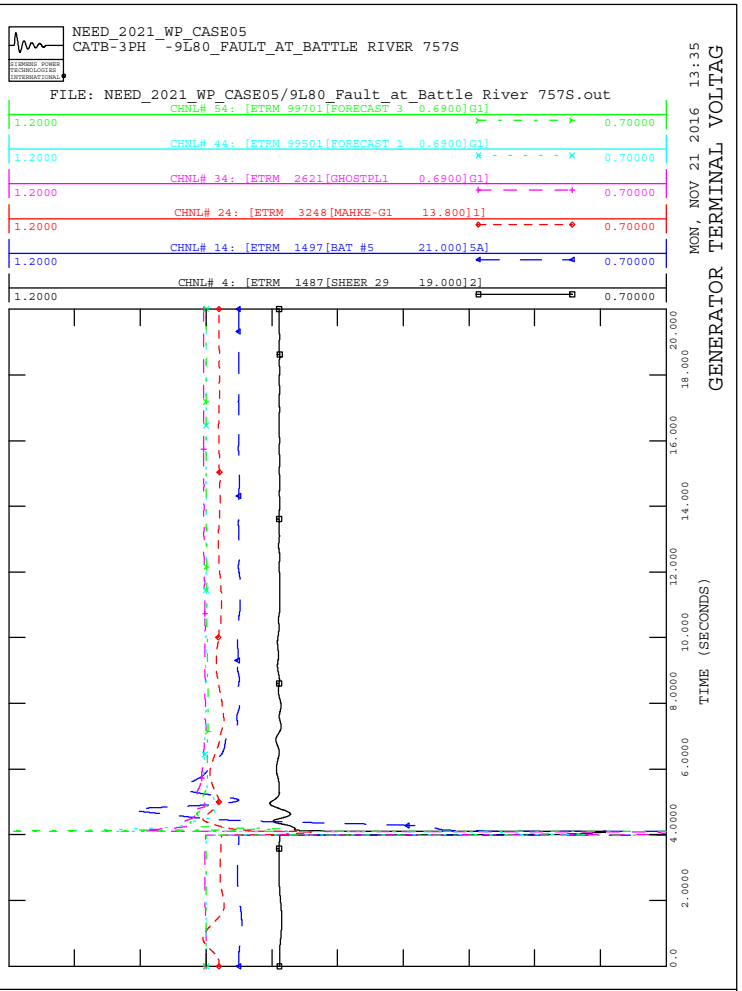
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER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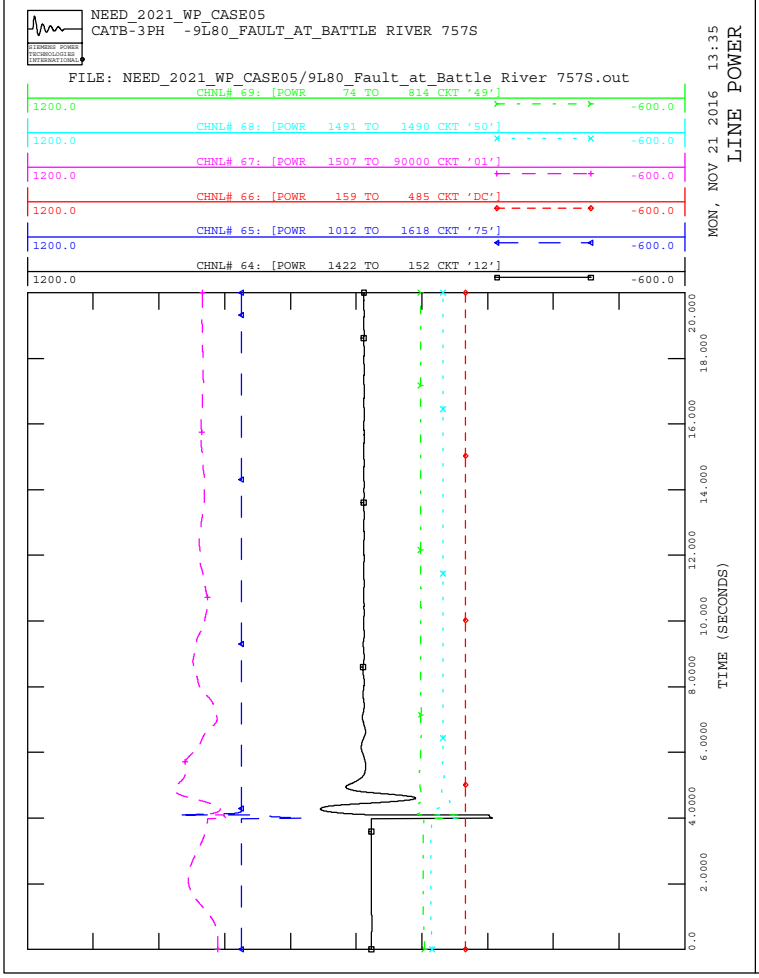
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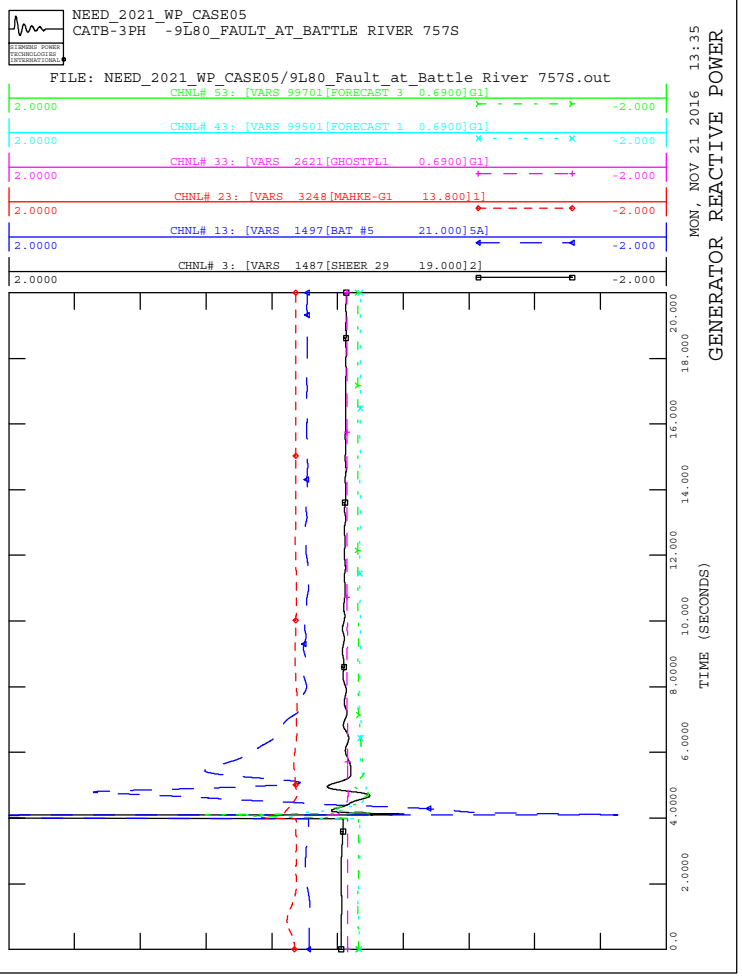
TIME (SECONDS)
MON, NOV 21 2016 13:35
LINE POWER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2.0000
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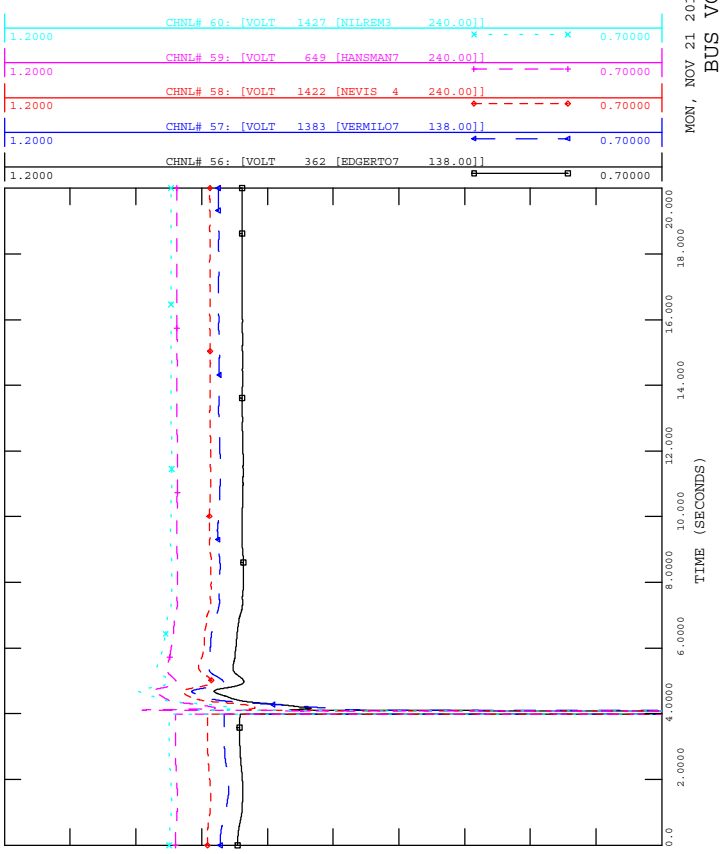
TIME (SECONDS)
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Cordel 755S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE



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CATB-3PH -9L80_FAULT_AT_CORDEL 755S

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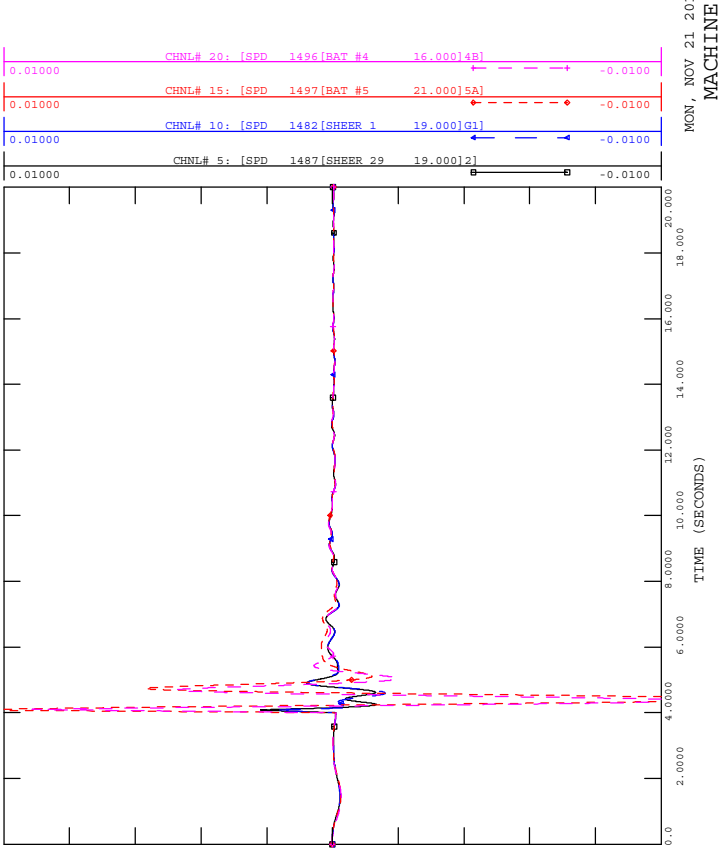
MON, NOV 21 2016 13:35

MACHINE SPEED



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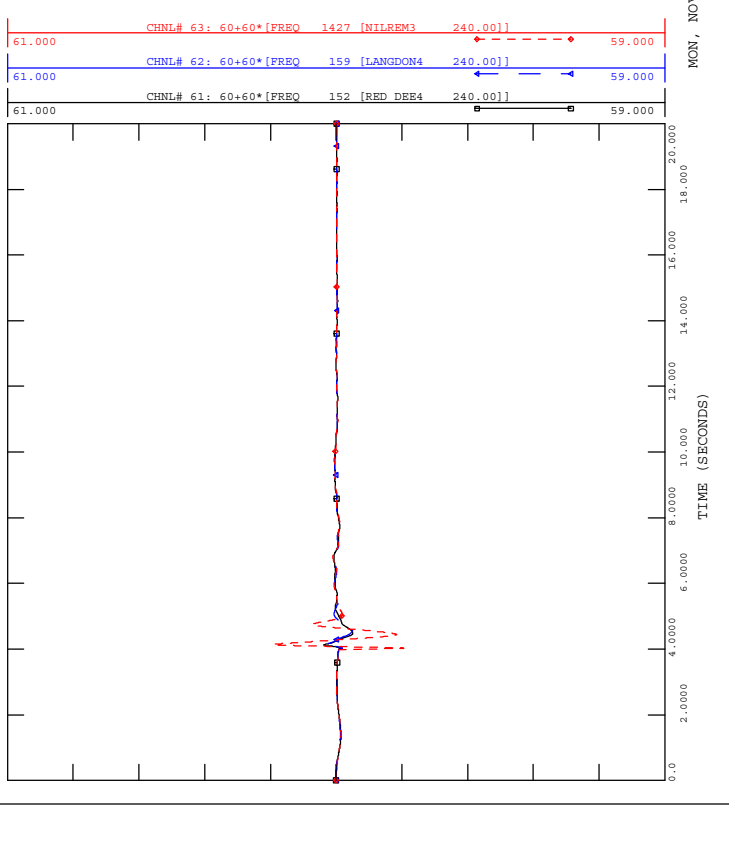

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CATB-3PH -9L80_FAULT_AT_CORDEL 755S

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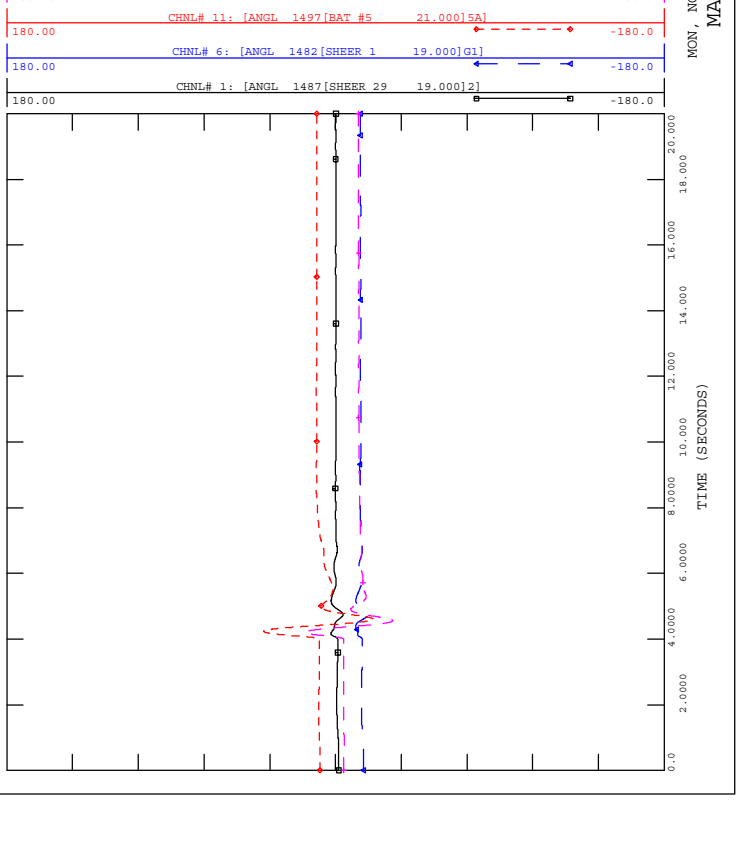
MON, NOV 21 2016 13:35

MACHINE ANGEL



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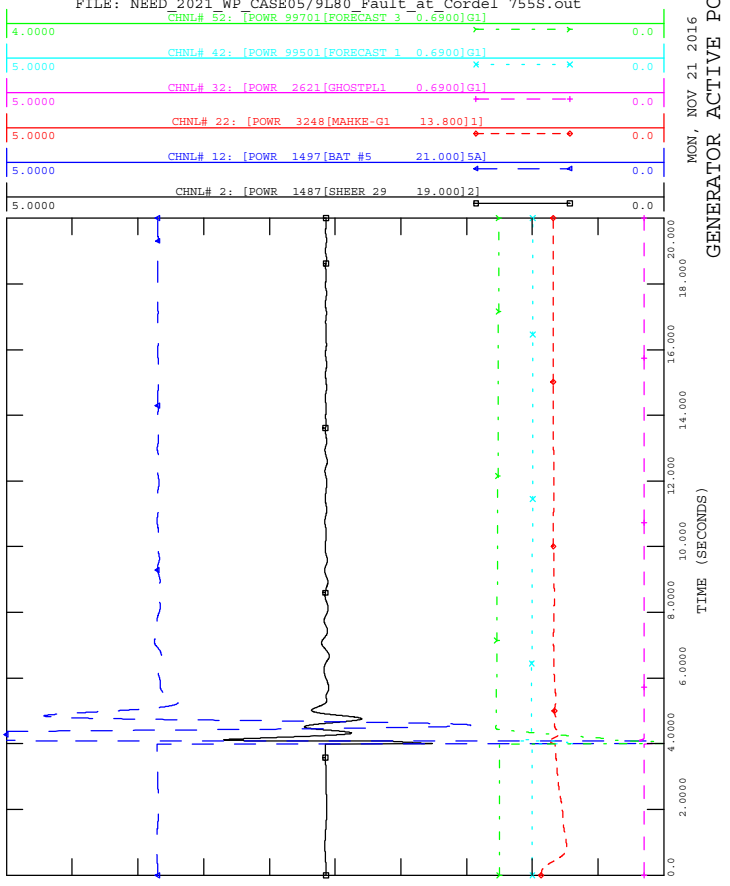
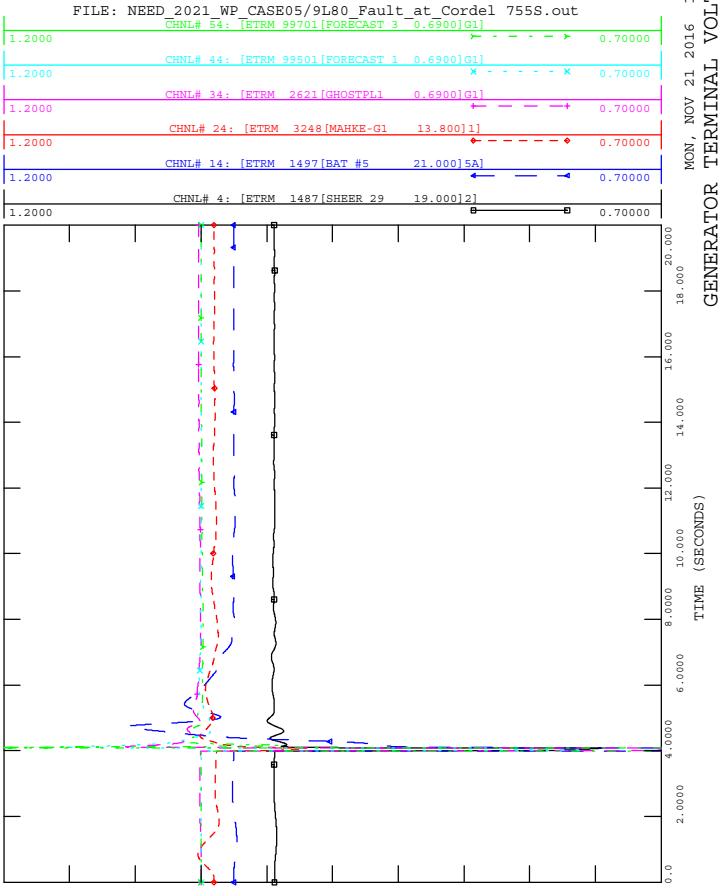


MON, NOV 21 2016 13:35
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 13:35
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
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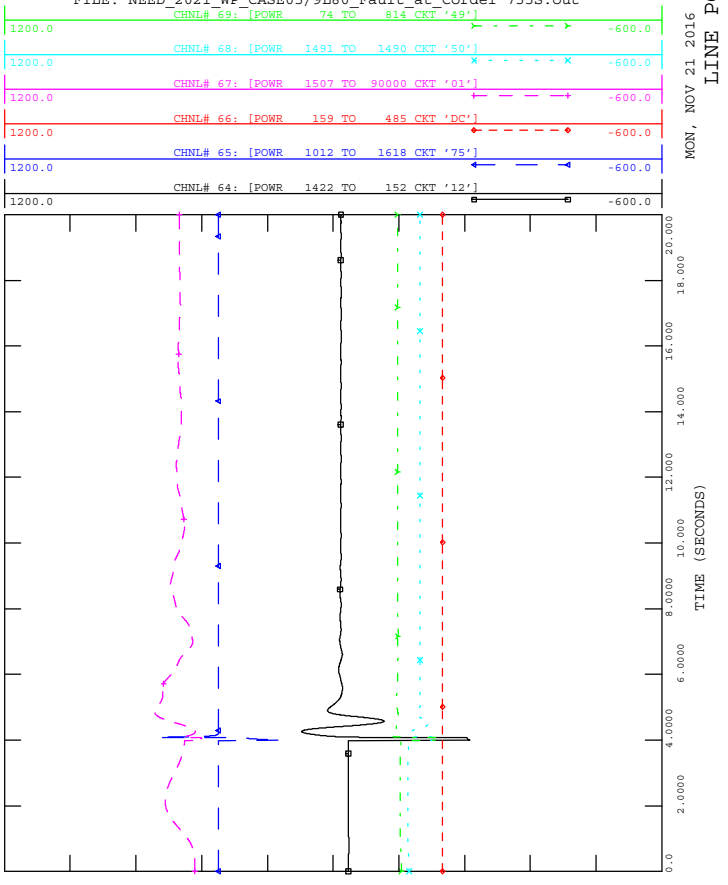
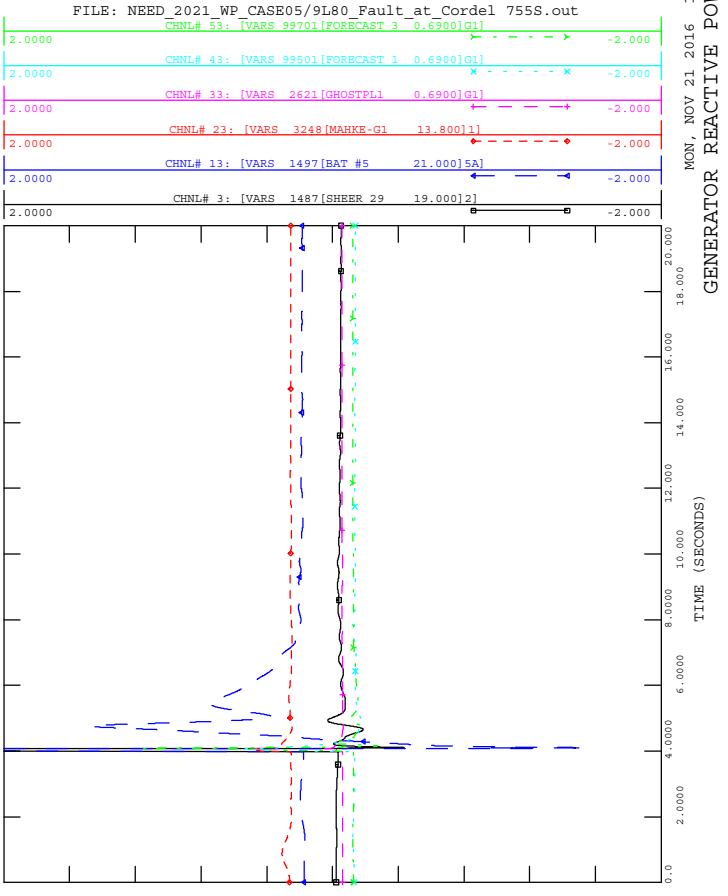


MON, NOV 21 2016 13:35
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Cordel 755S.out



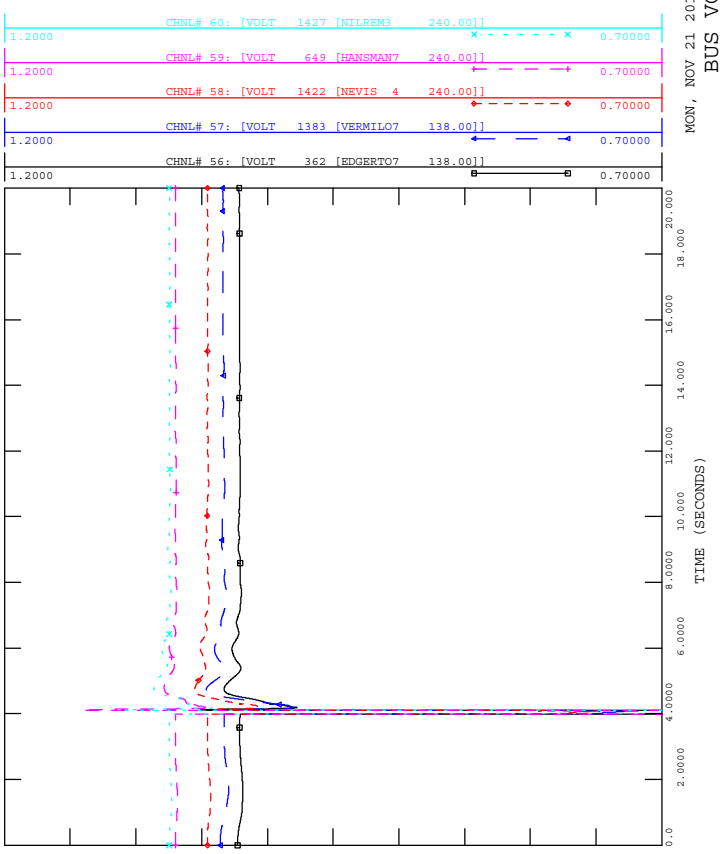
MON, NOV 21 2016 13:35
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

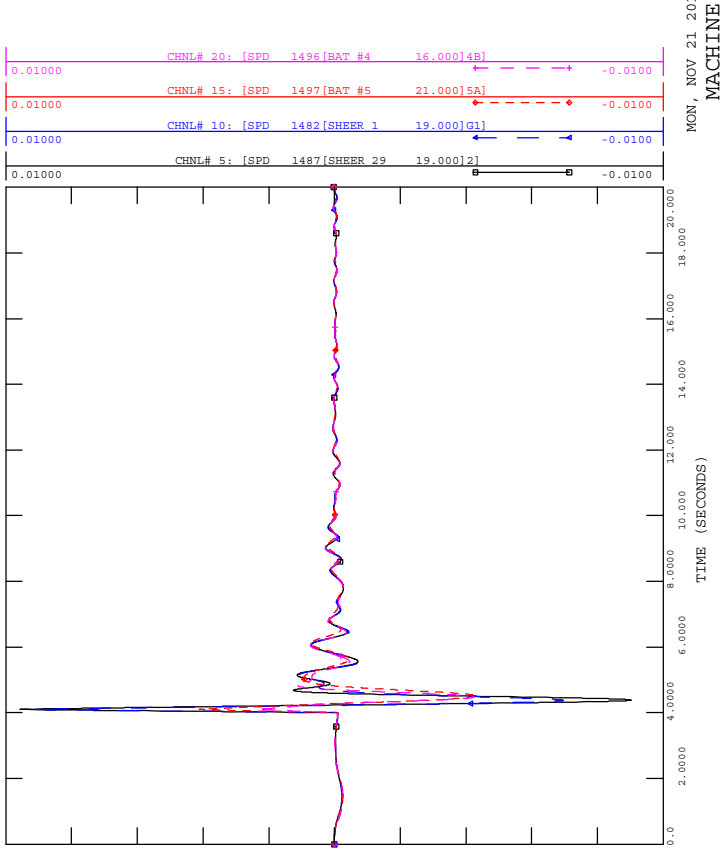


NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

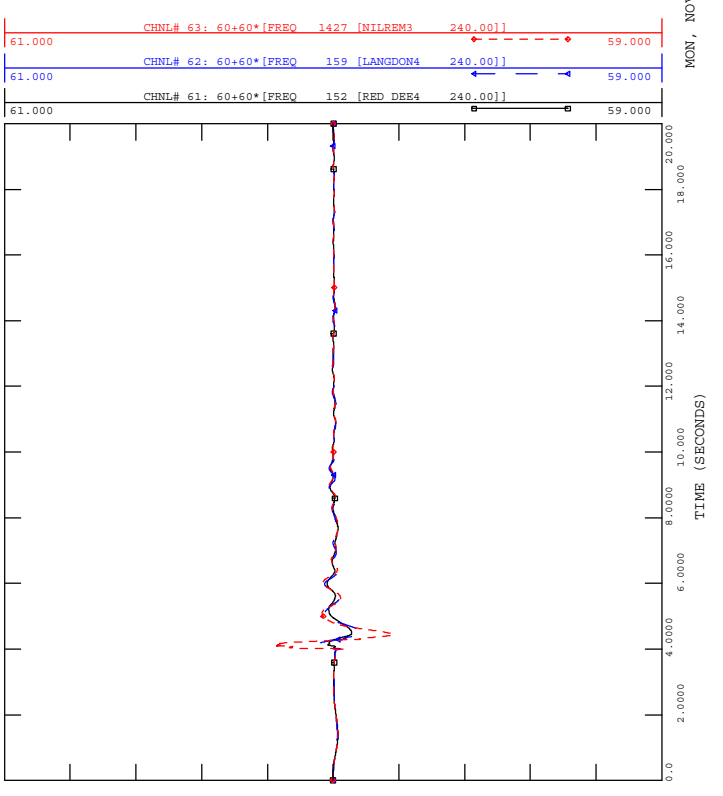


NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

FREQUENCY

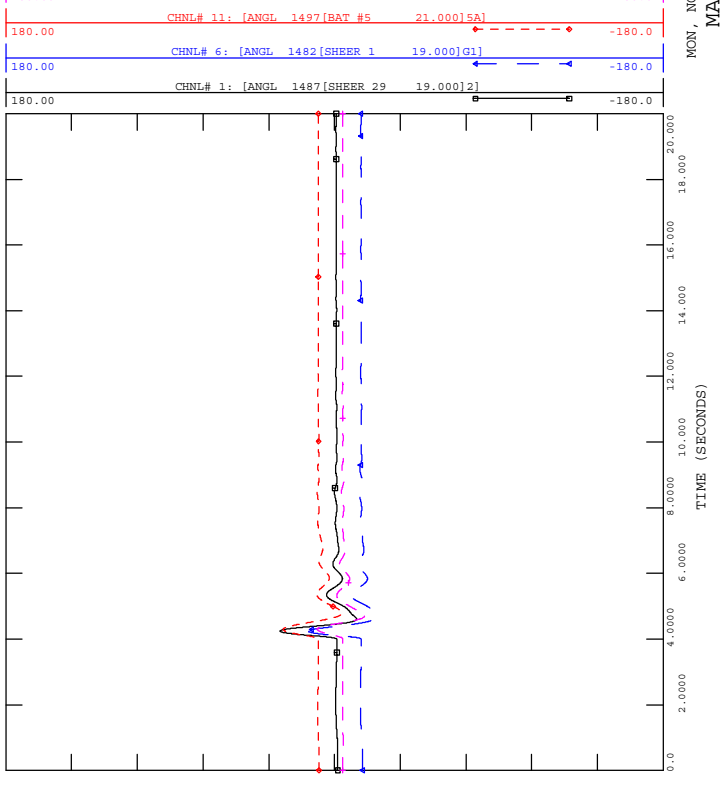


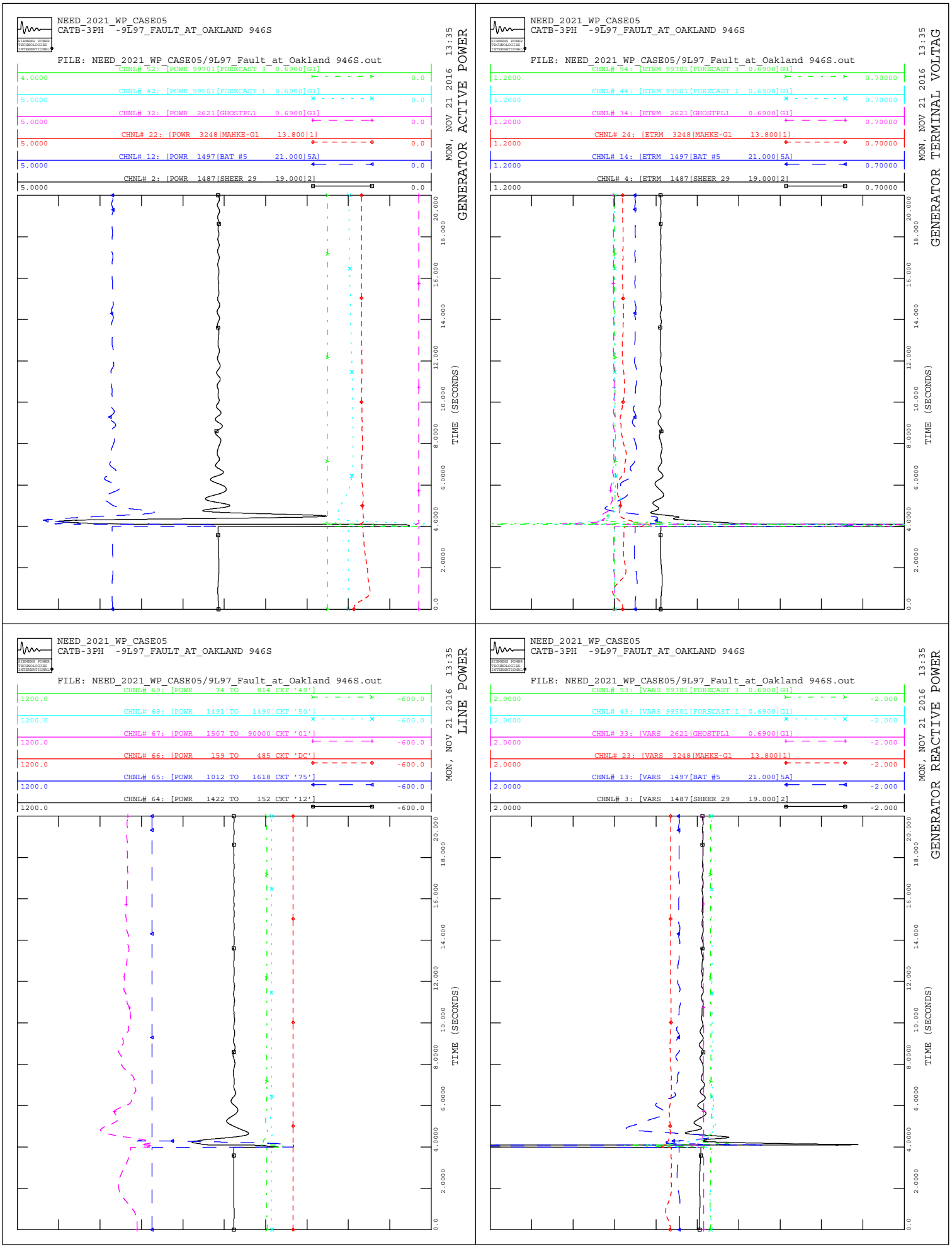
NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out

MON, NOV 21 2016 13:35

MACHINE ANGEL



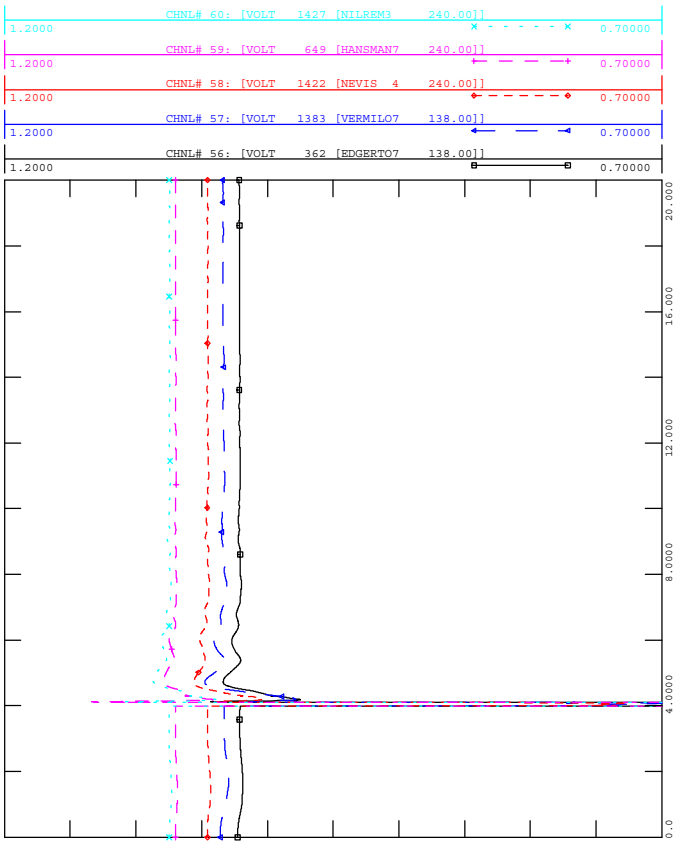

NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:35
TIME (SECONDS)
NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:35
TIME (SECONDS)
NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:35
TIME (SECONDS)
NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:35
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out

MON, NOV 21 2016 13:35

BUS VOLTAGE

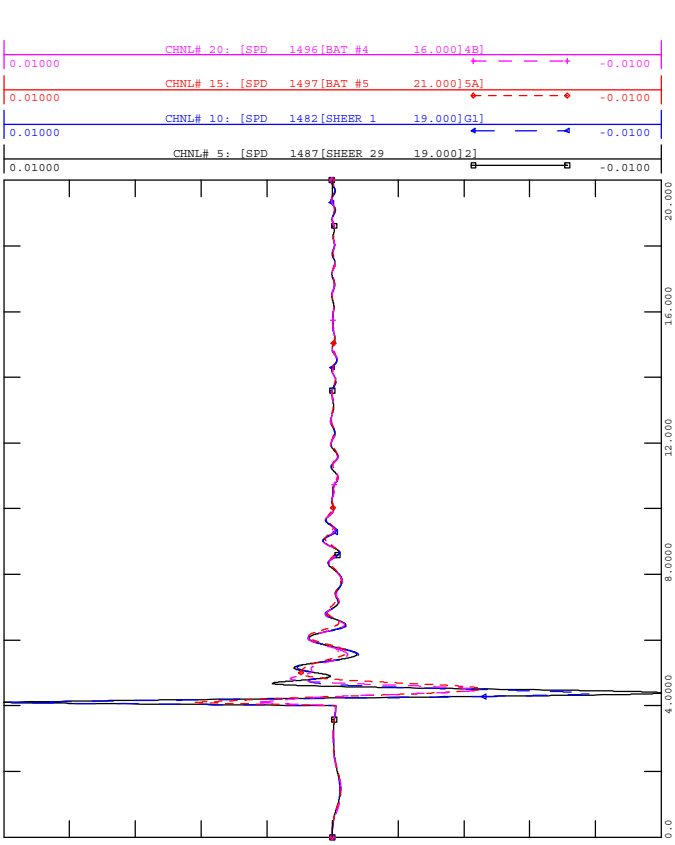


NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out

MON, NOV 21 2016 13:35

MACHINE SPEED

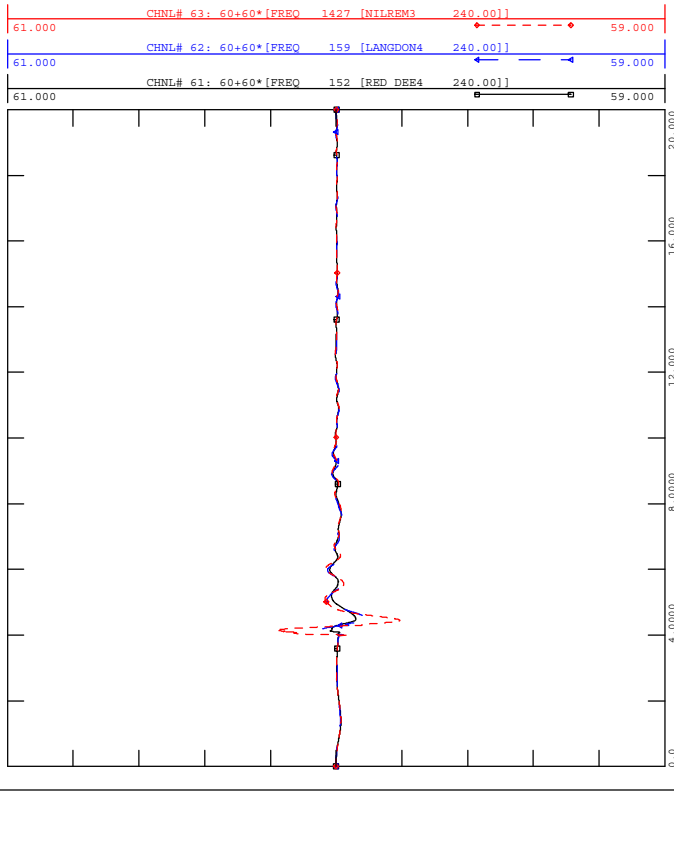


NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out

MON, NOV 21 2016 13:35

FREQUENCY

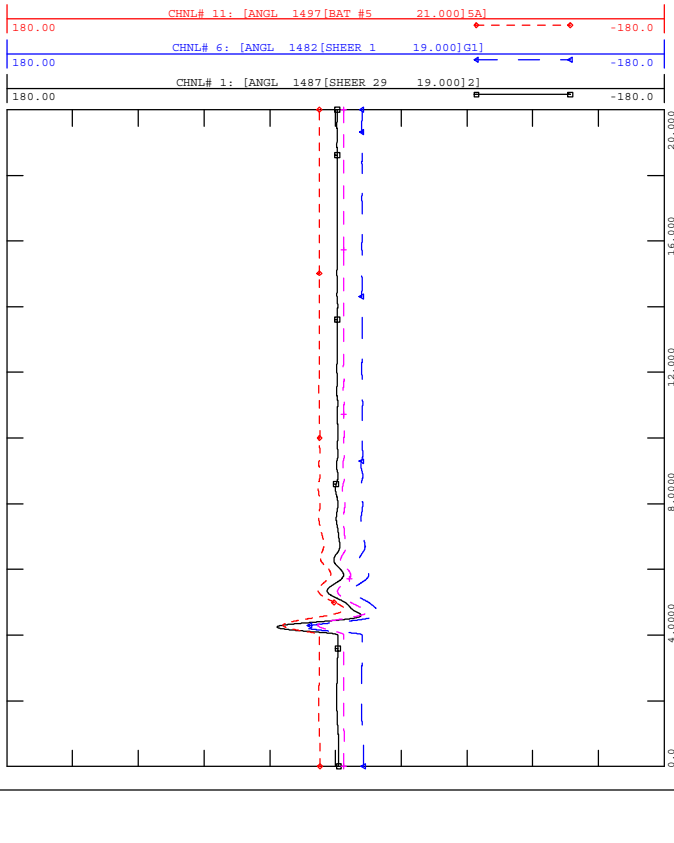


NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out

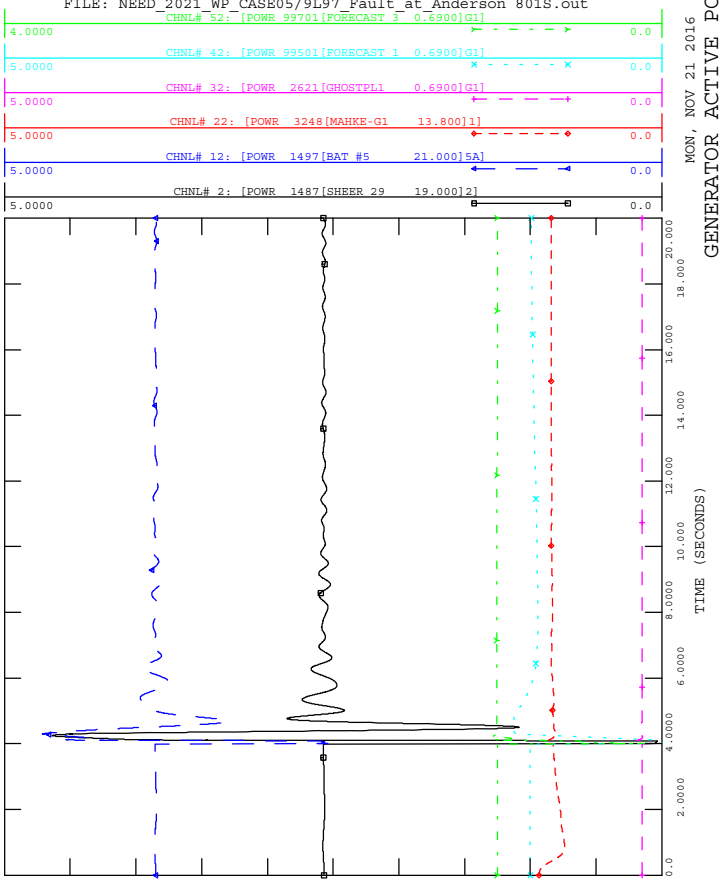
MON, NOV 21 2016 13:35

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out



NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

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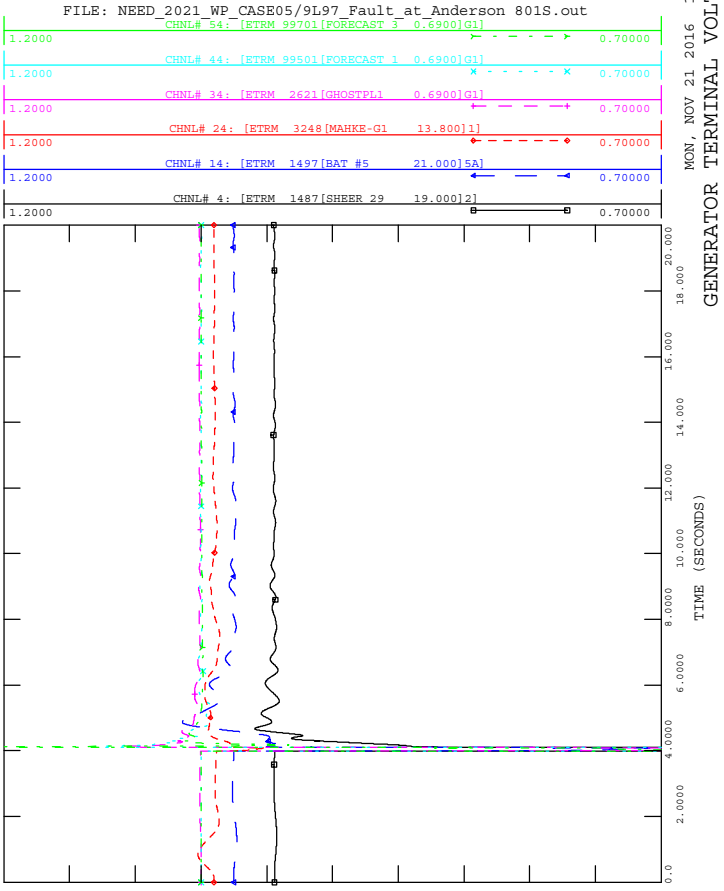
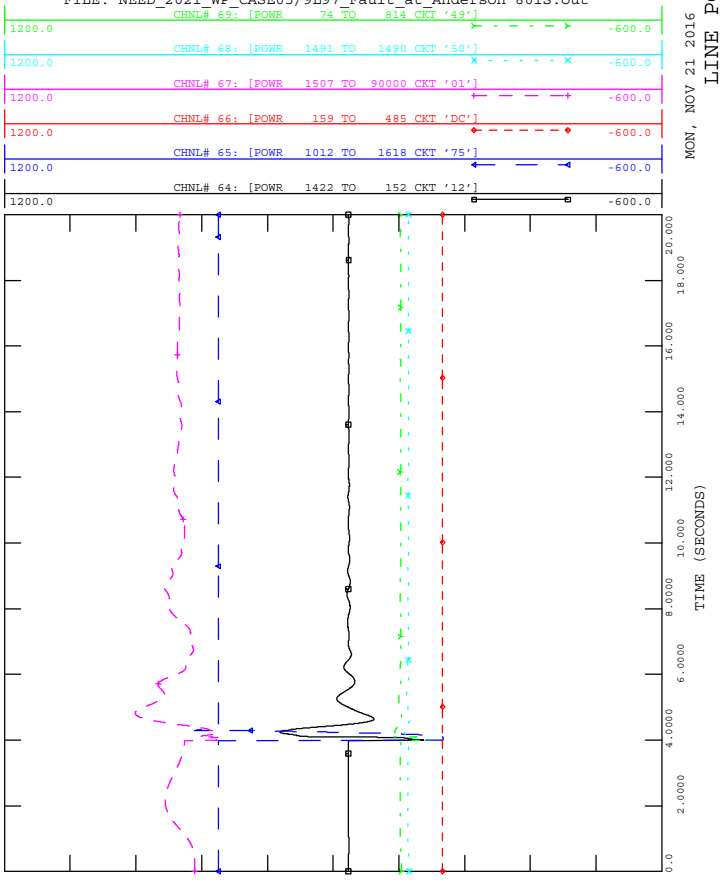


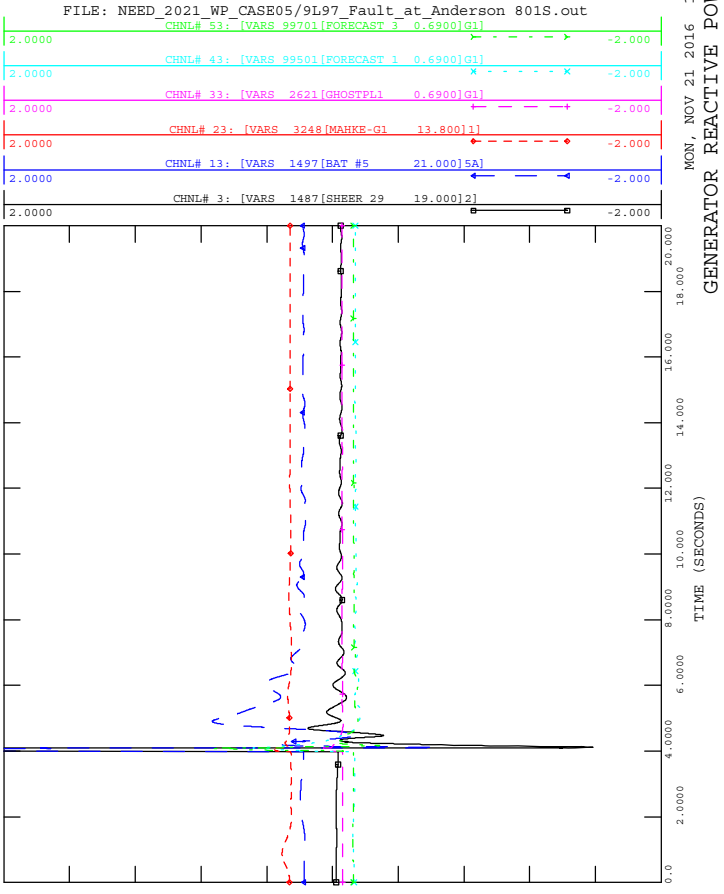
NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out



NEED_2021_WP_CASE05
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out

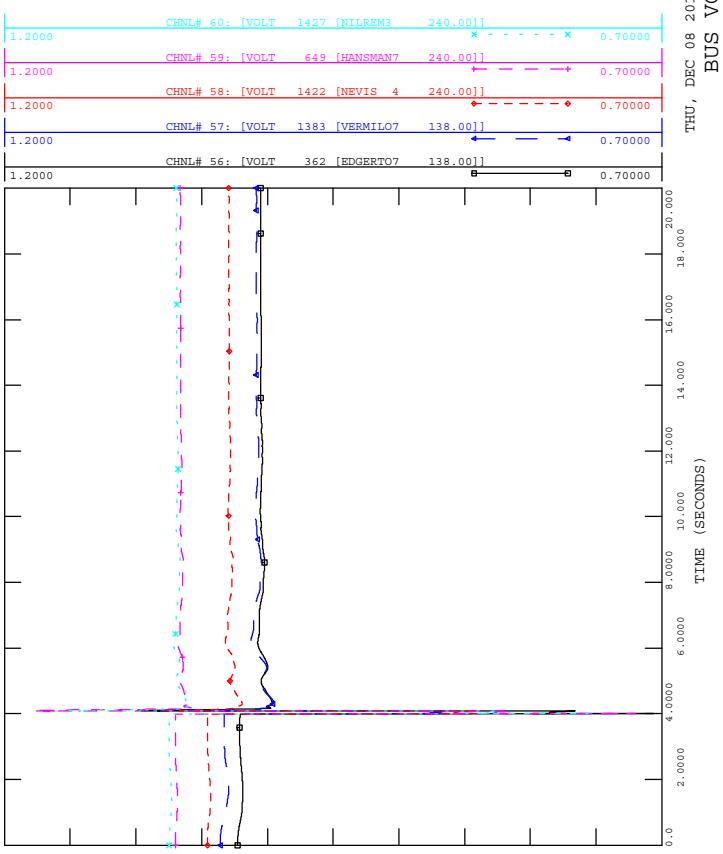


NEED_2021_WP_CASE05
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out

THU, DEC 08 2016 21:34

BUS VOLTAGE

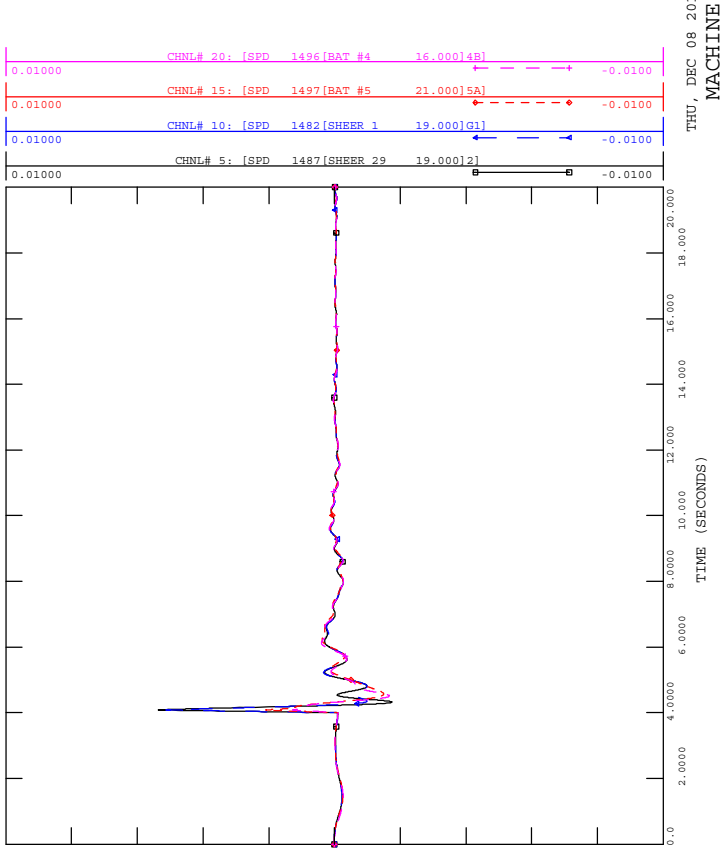


NEED_2021_WP_CASE05
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out

THU, DEC 08 2016 21:34

MACHINE SPEED

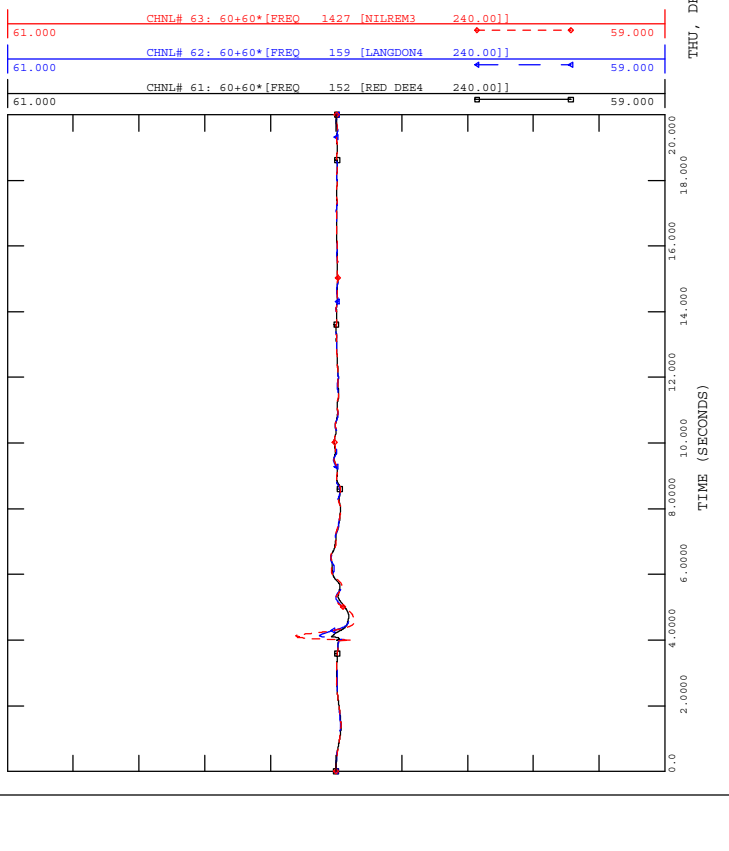


NEED_2021_WP_CASE05
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out

THU, DEC 08 2016 21:34

FREQUENCY

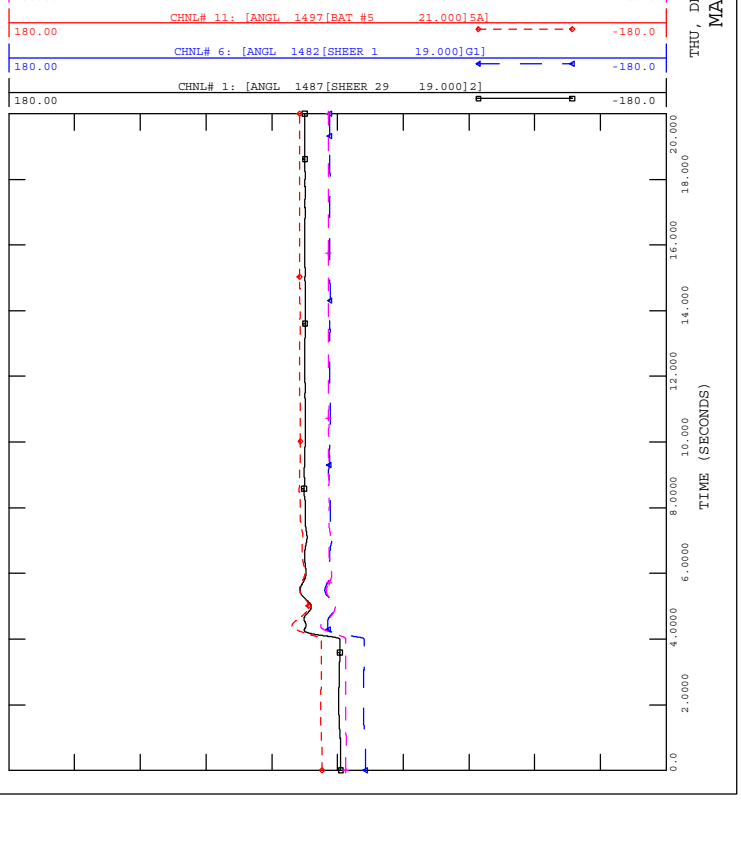


NEED_2021_WP_CASE05
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out

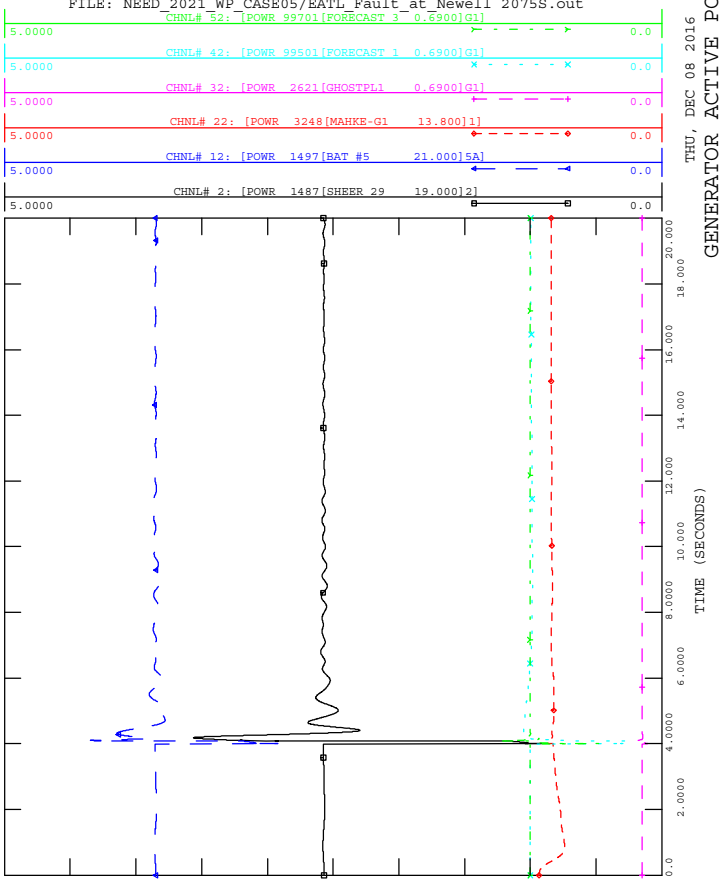
THU, DEC 08 2016 21:34

MACHINE ANGLE



NEED_2021_WP_CASE05
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

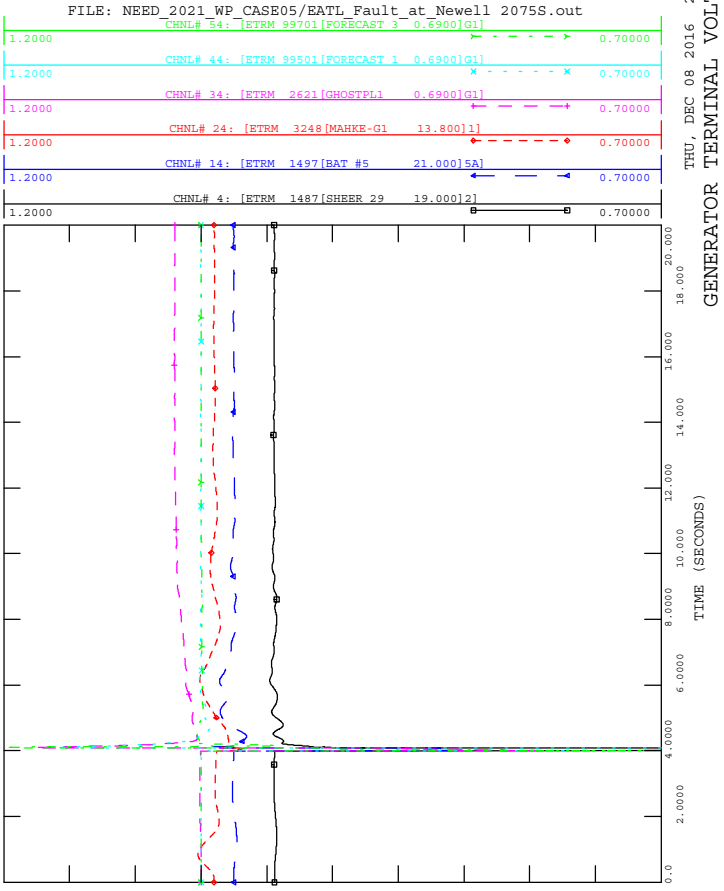
FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out



THU, DEC 08 2016 21:34
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

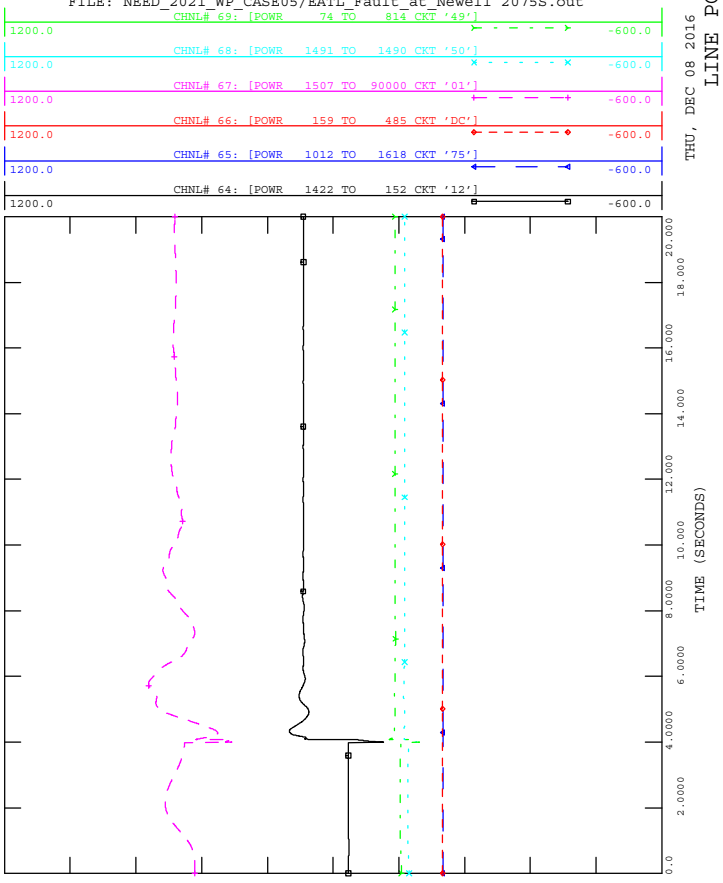
FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out



THU, DEC 08 2016 21:34
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

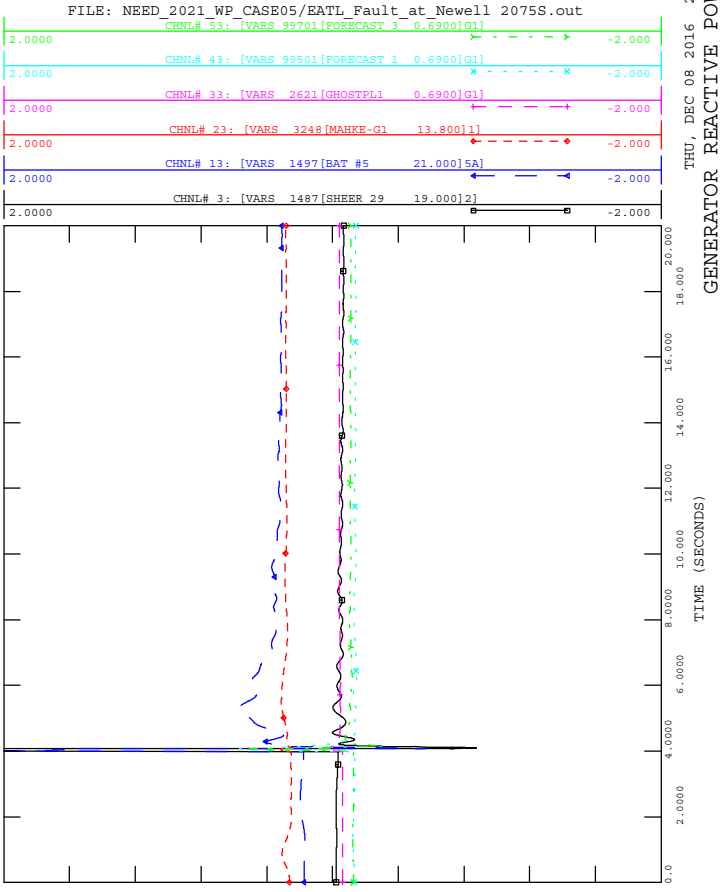
FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out



THU, DEC 08 2016 21:34
LINE POWER

NEED_2021_WP_CASE05
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out



THU, DEC 08 2016 21:34
GENERATOR REACTIVE POWER

Transient Stability Analysis Plots

Existing System Prior to PENV Development

2021 Summer Light

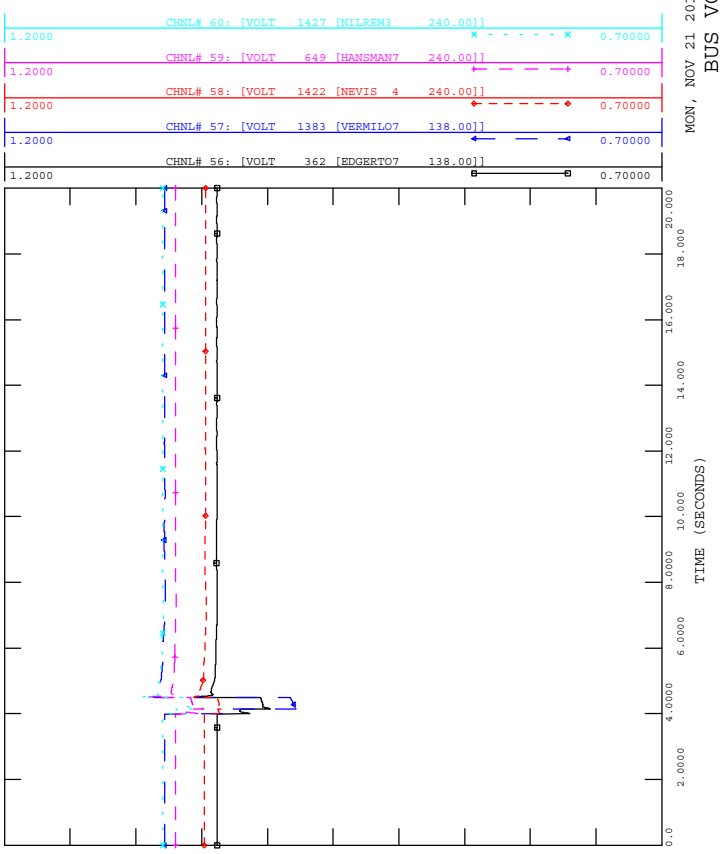
Category B (Single-line-to-ground Fault)

NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

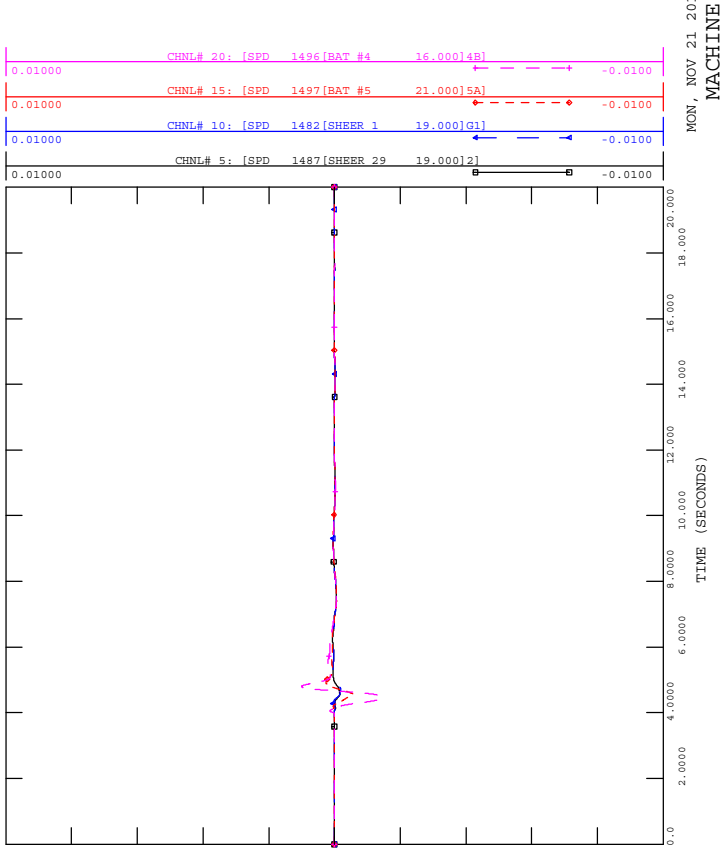


NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

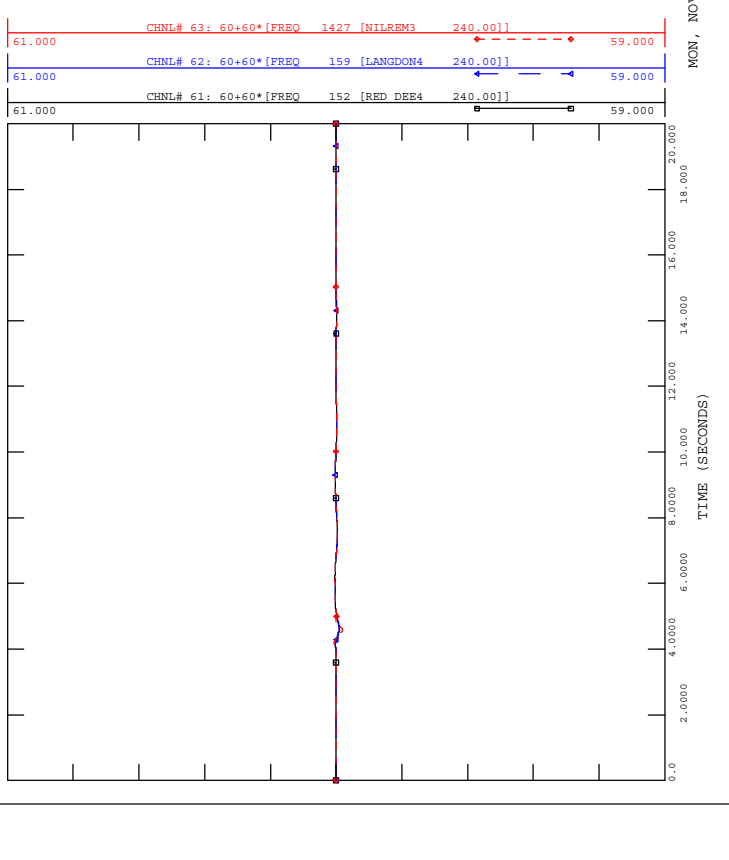


NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out

MON, NOV 21 2016 12:50

FREQUENCY

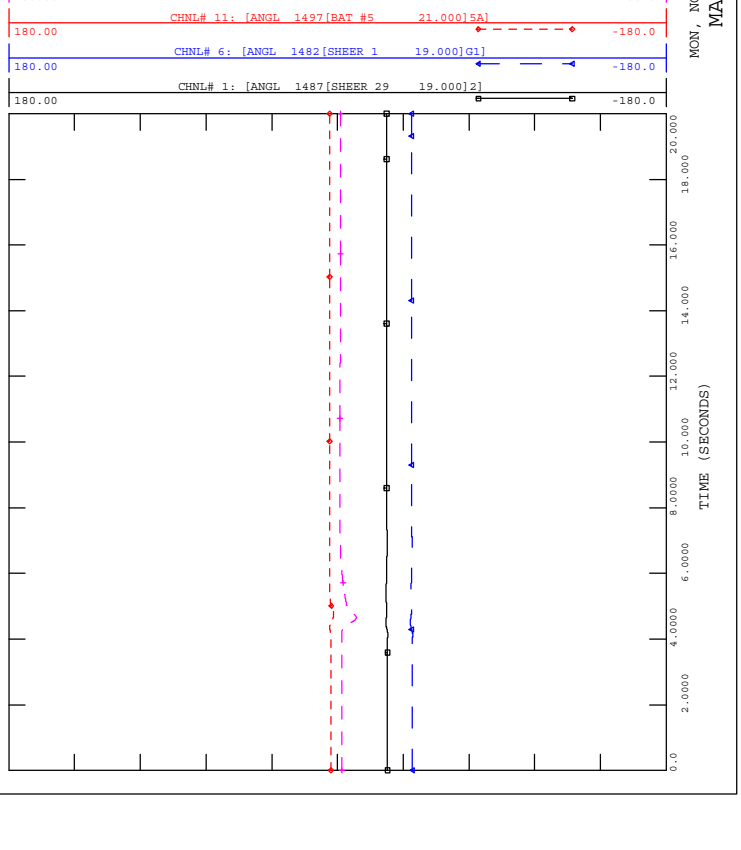


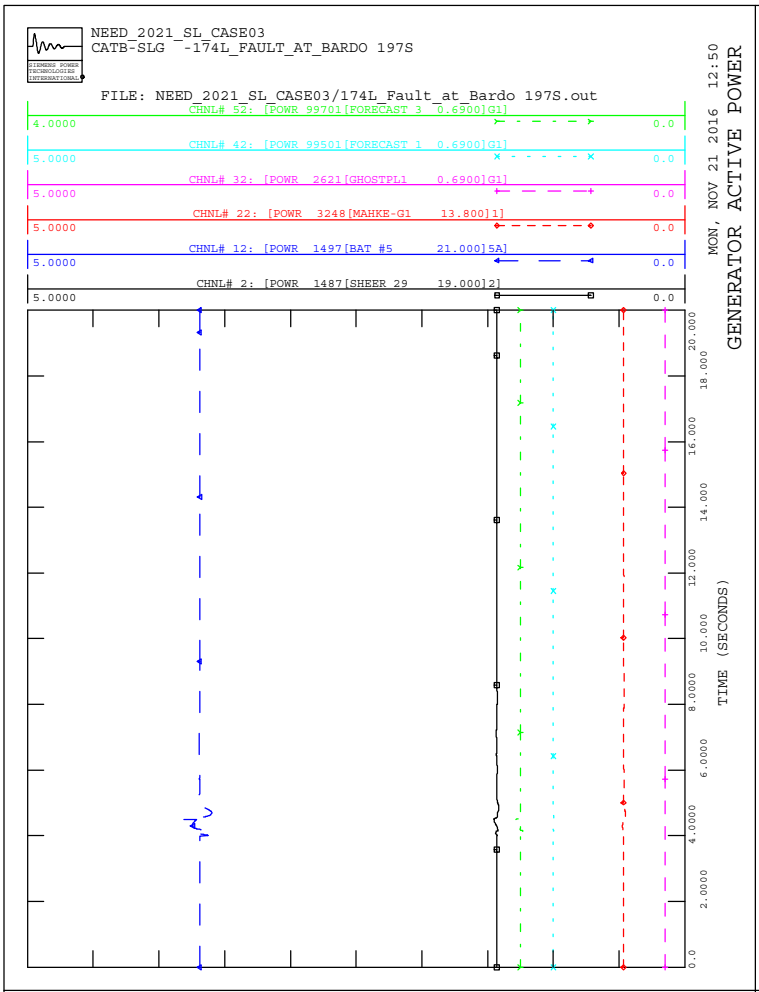
NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_BARDO 197S

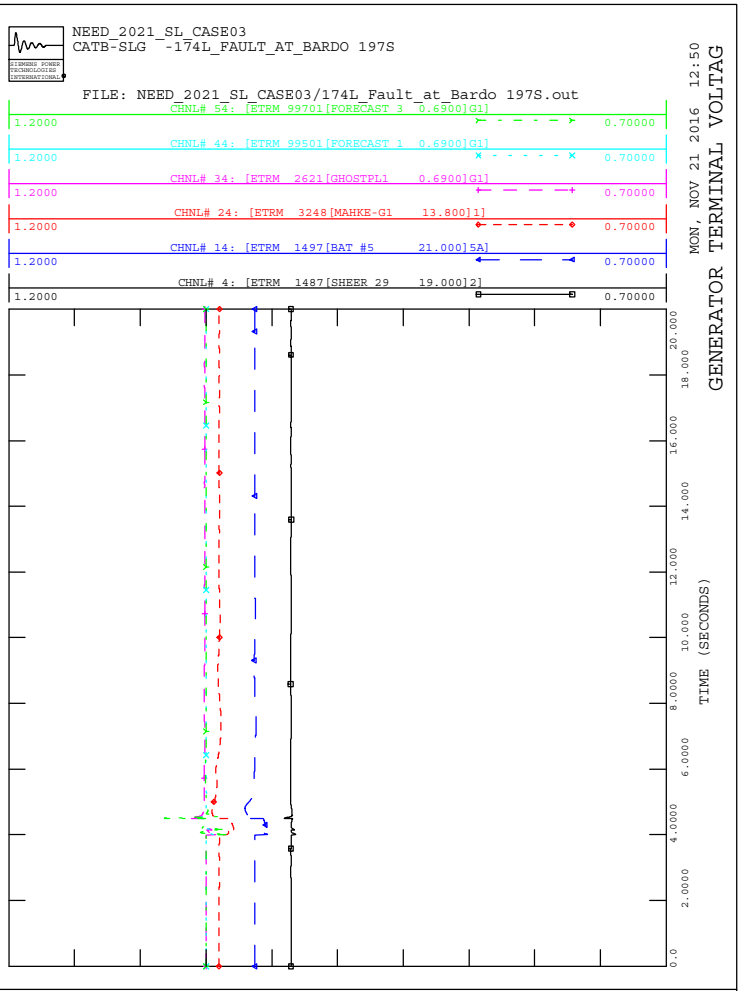
FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out

MON, NOV 21 2016 12:50

MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_BARDO 197S
FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_BARDO 197S
FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out
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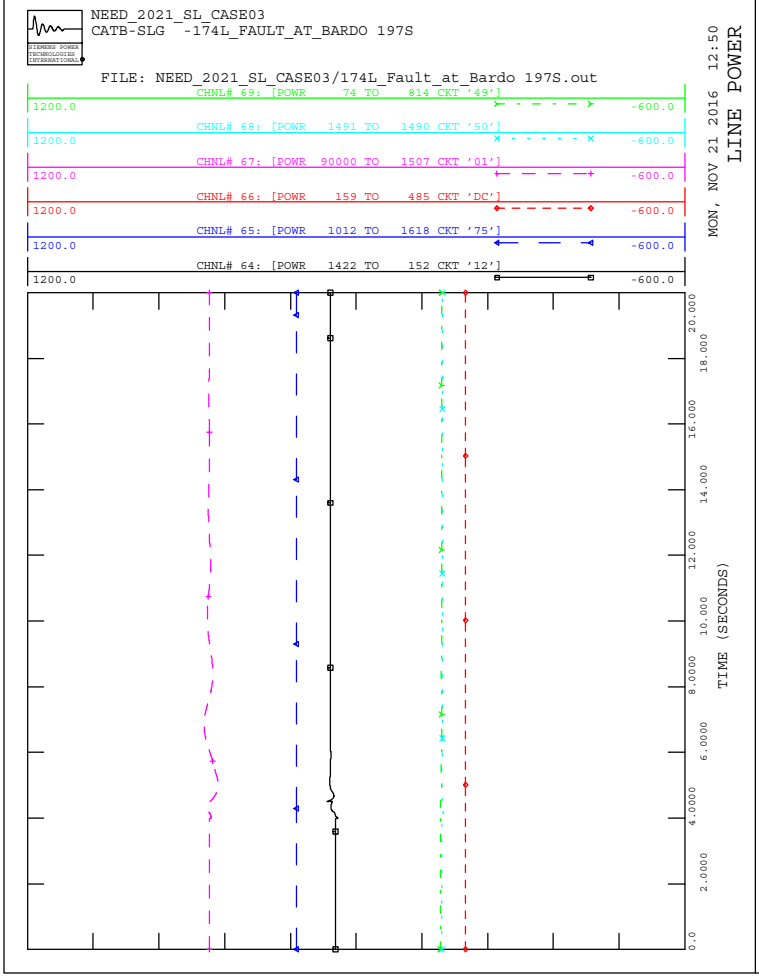
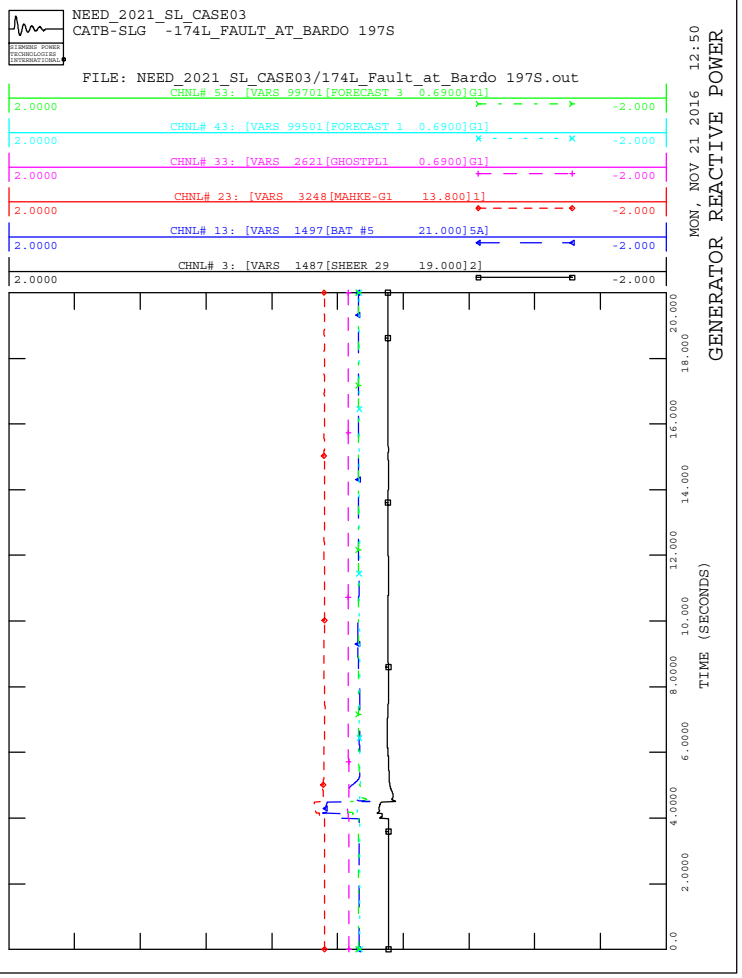
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:50
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_BARDO 197S
FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)

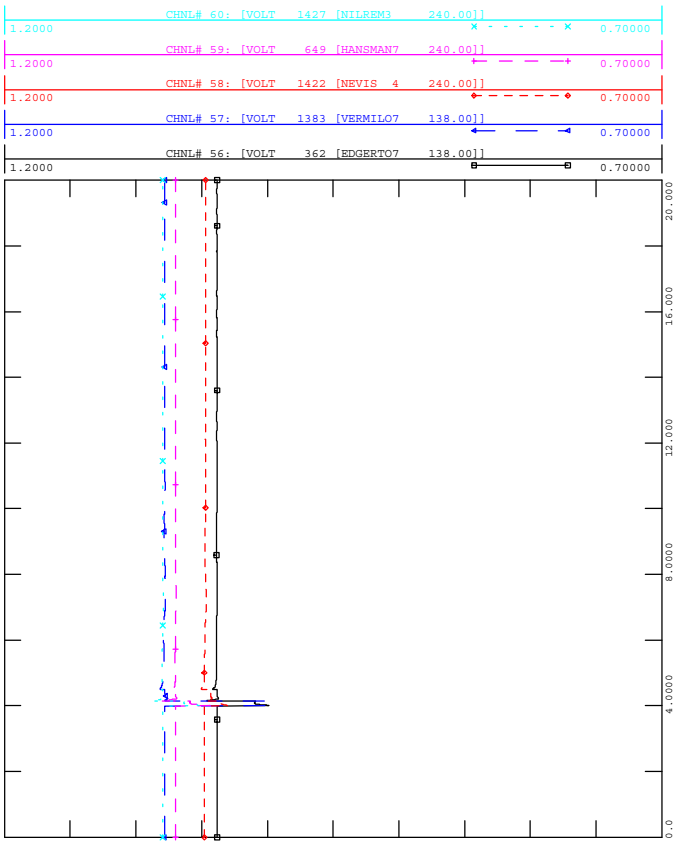

NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_BARDO 197S
FILE: NEED_2021_SL_CASE03/174L_Fault_at_Bardo 197S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

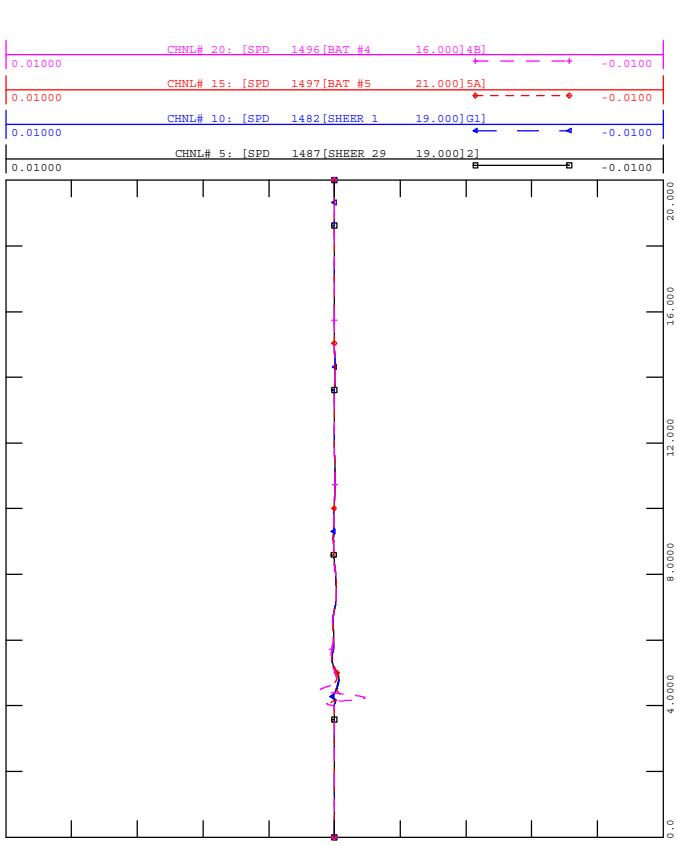


NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

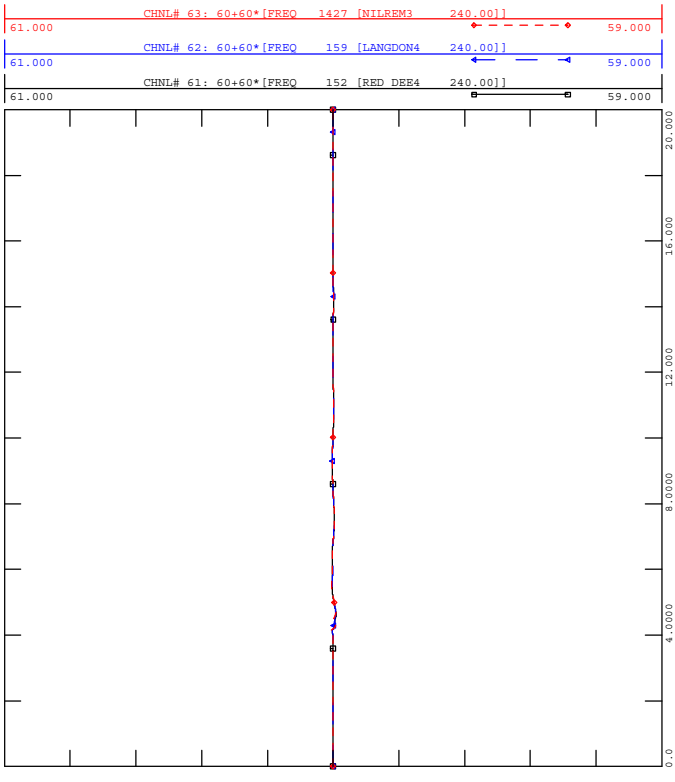


NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:50

FREQUENCY

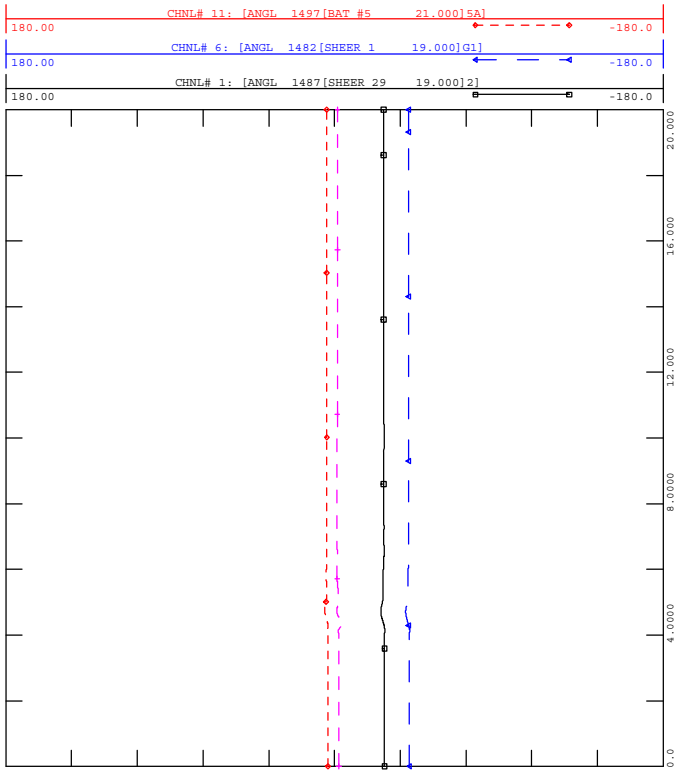


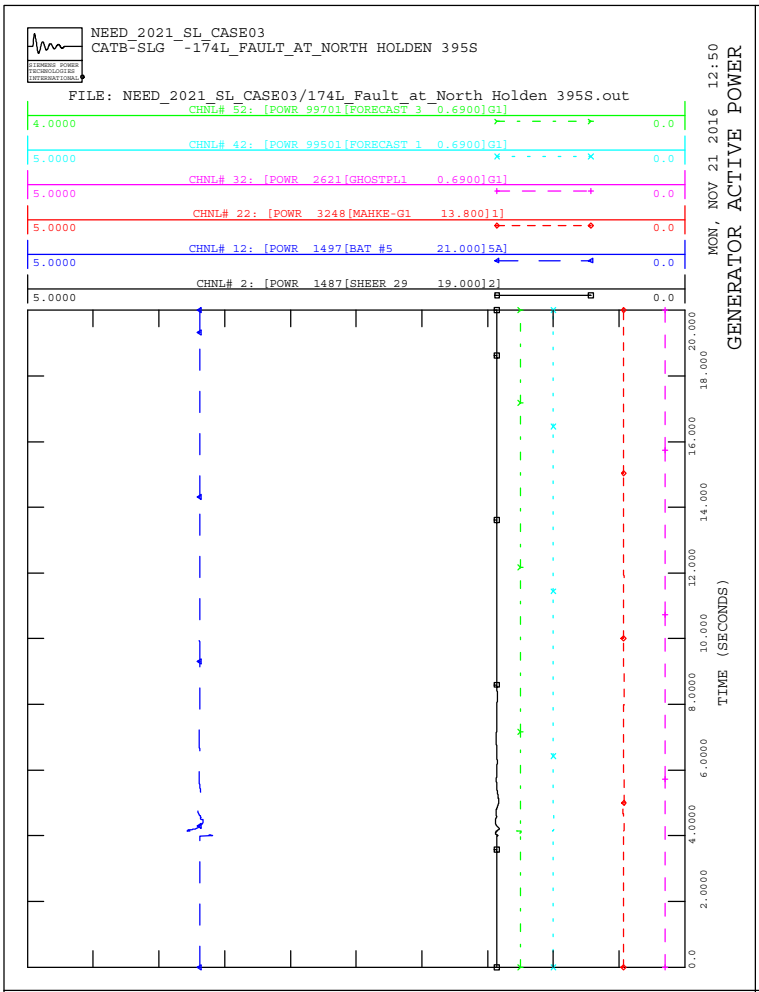
NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S

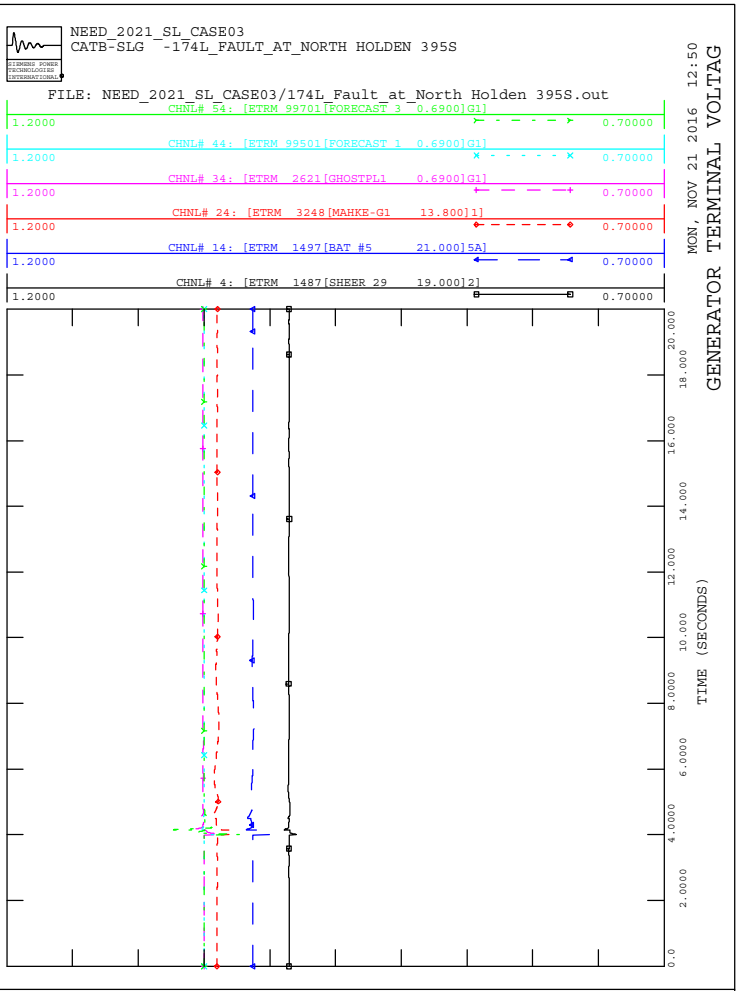
FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:50

MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S
FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR ACTIVE POWER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CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S
FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out
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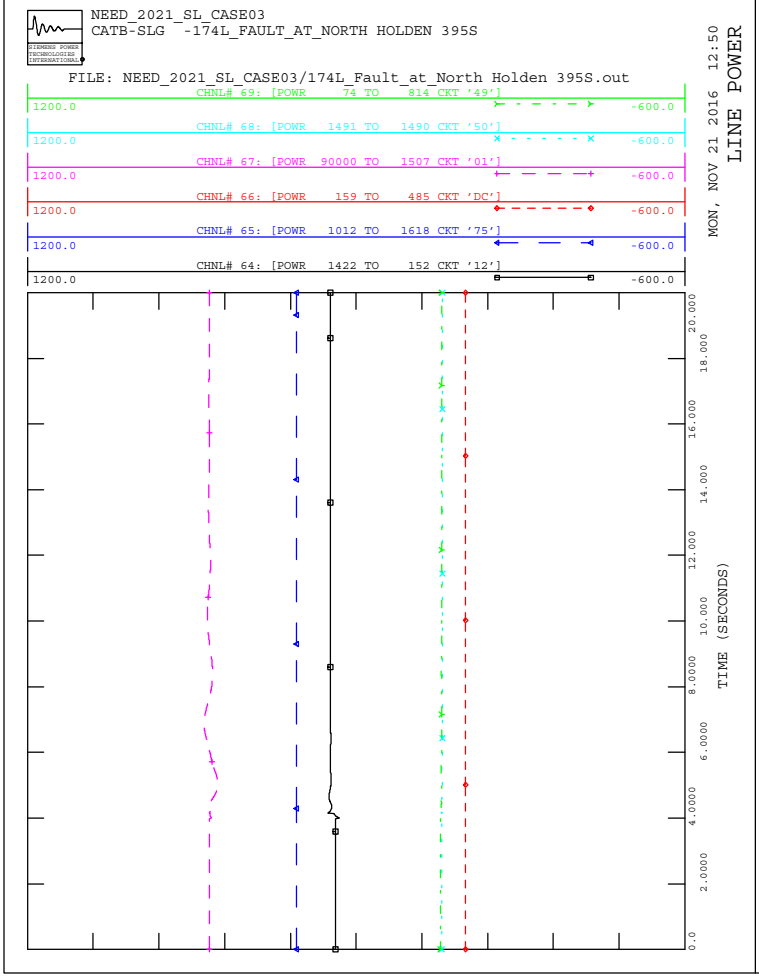
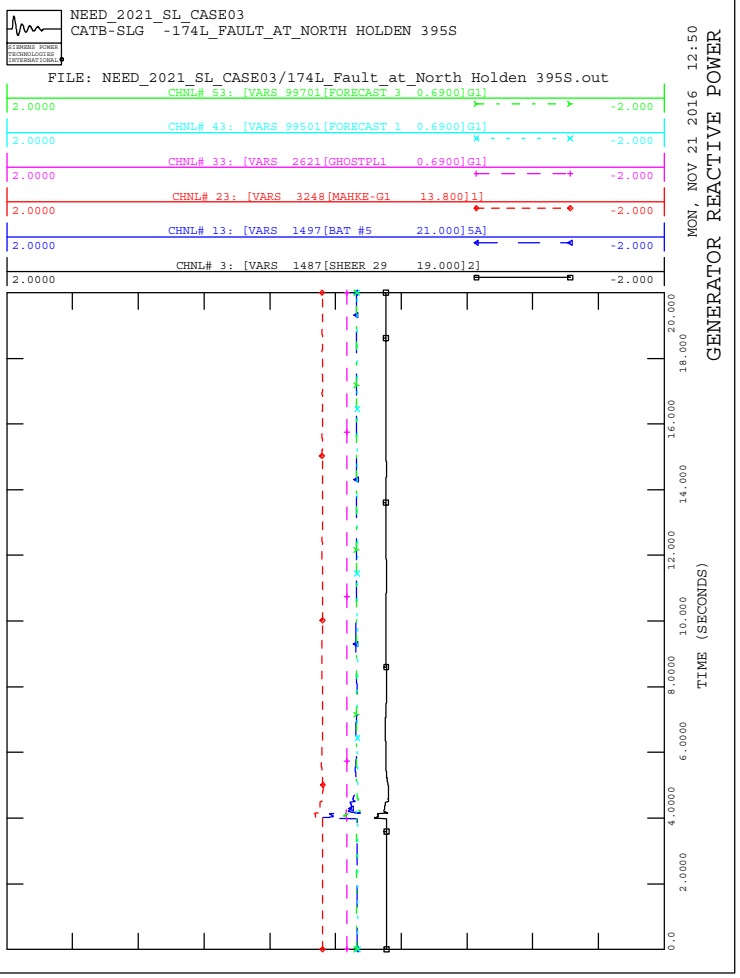
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S
FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:50
LINE POWER


NEED_2021_SL_CASE03
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S
FILE: NEED_2021_SL_CASE03/174L_Fault_at_North Holden 395S.out
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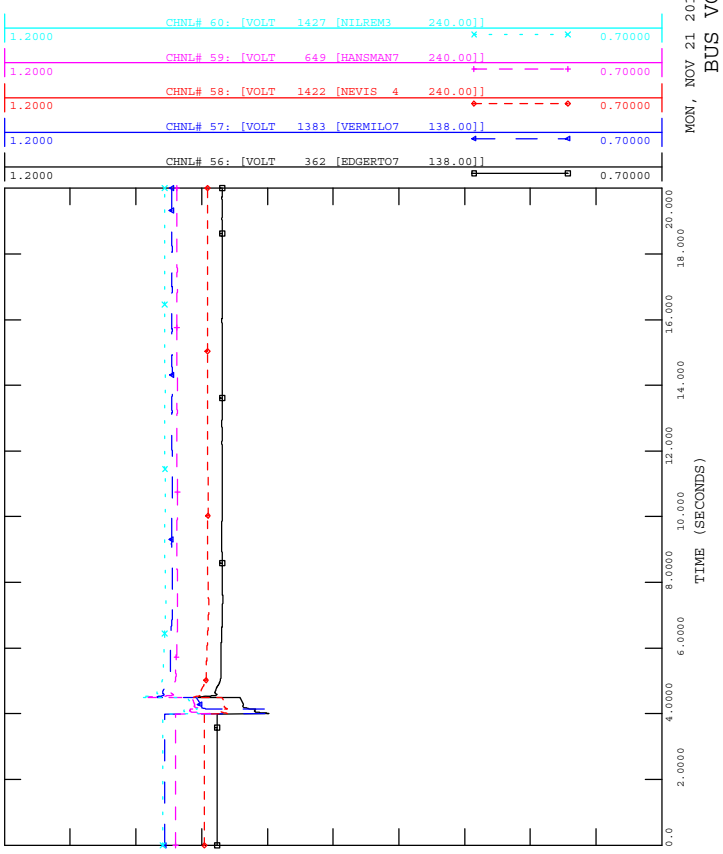
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out

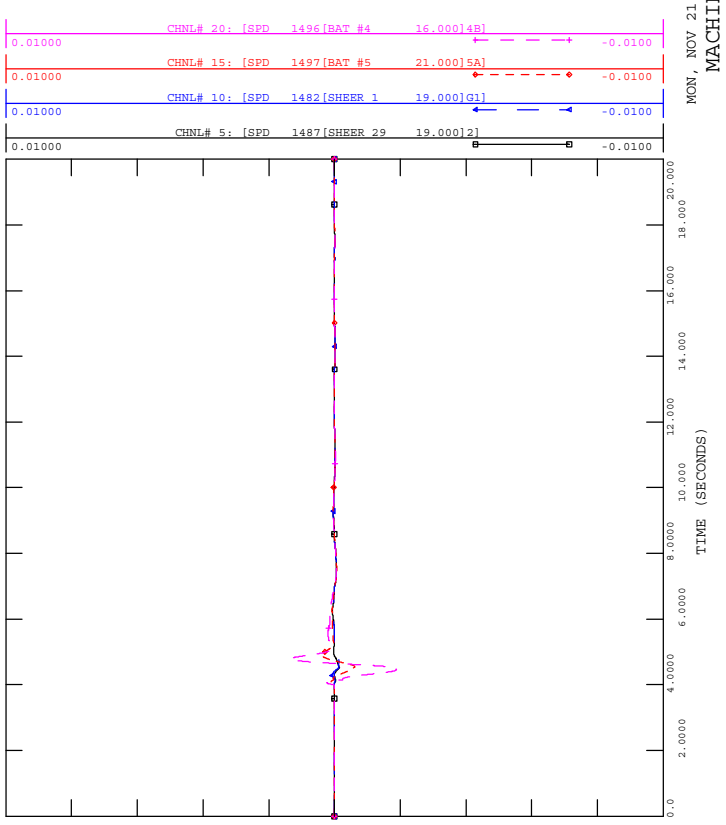


MON, NOV 21 2016 12:50

BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out

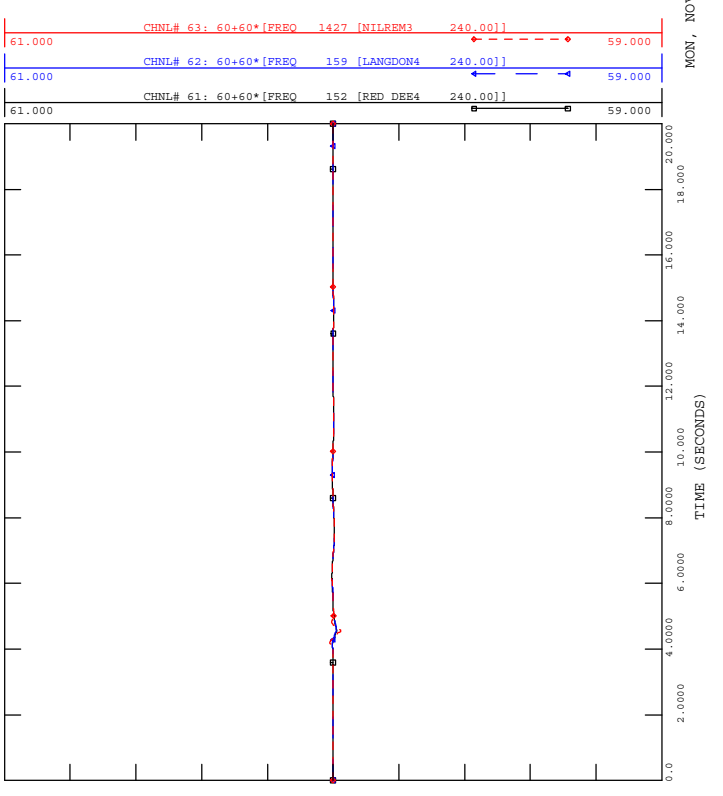


MON, NOV 21 2016 12:50

MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out



MON, NOV 21 2016 12:50

FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

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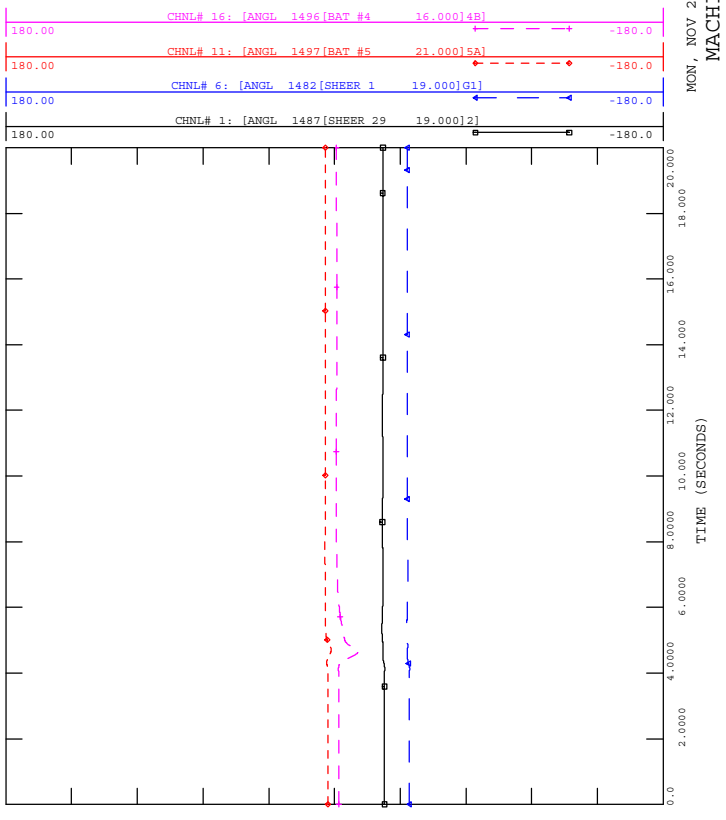
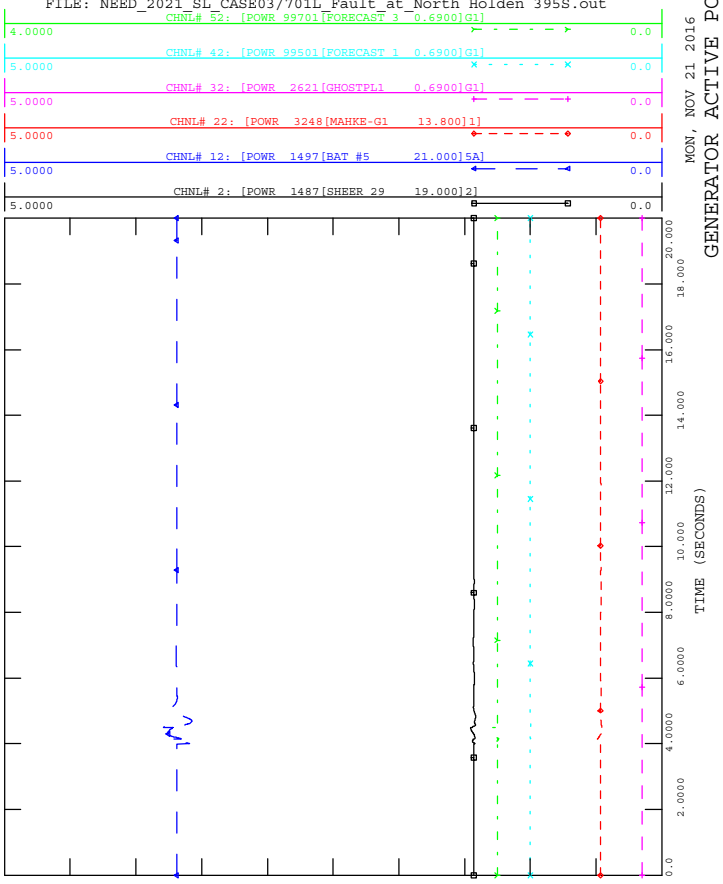


MON, NOV 21 2016 12:50

MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out

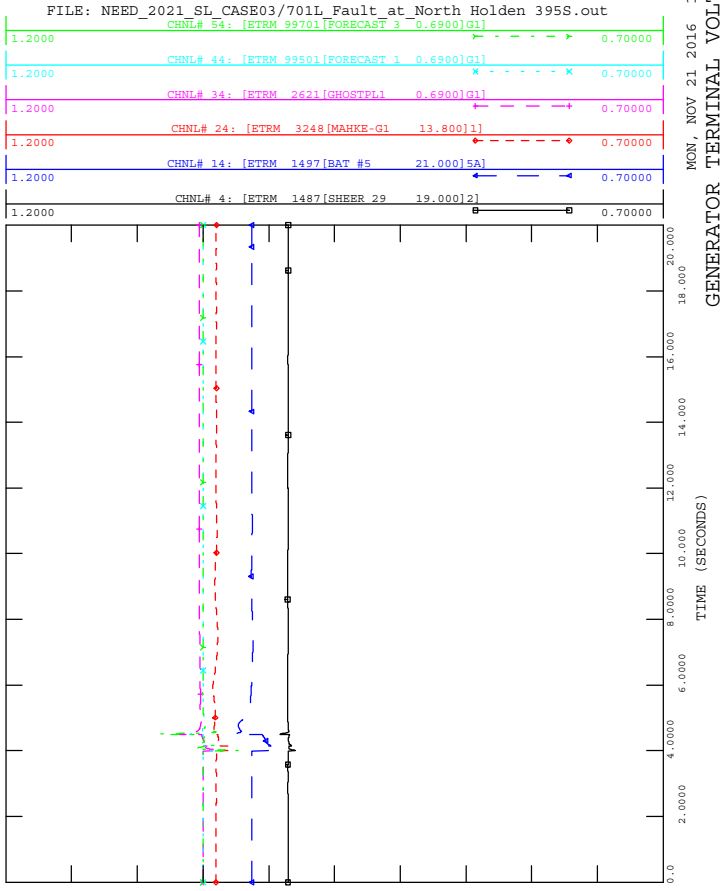


MON, NOV 21 2016 12:50

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out

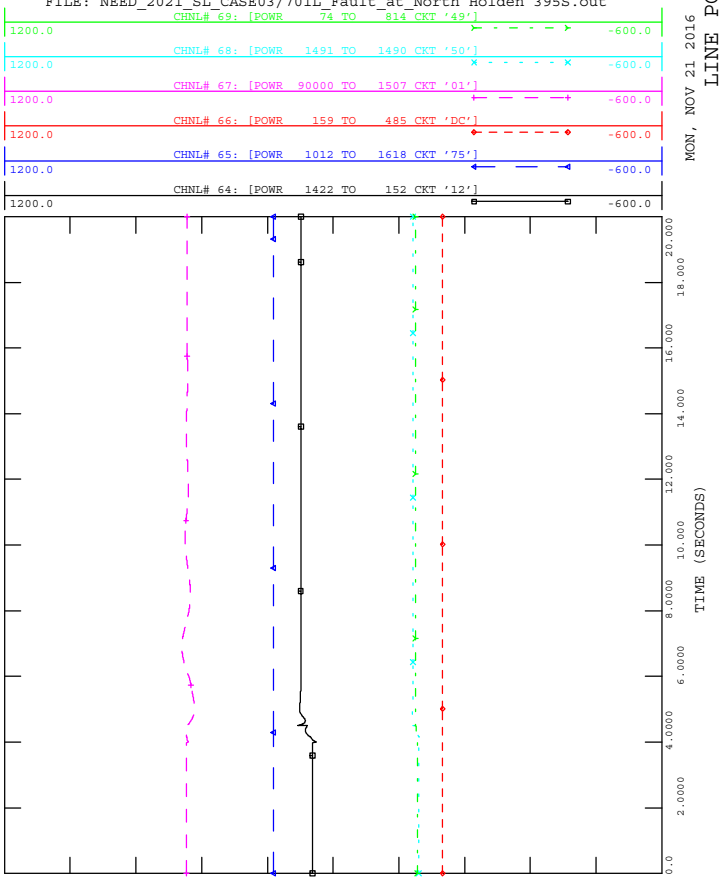


MON, NOV 21 2016 12:50

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out

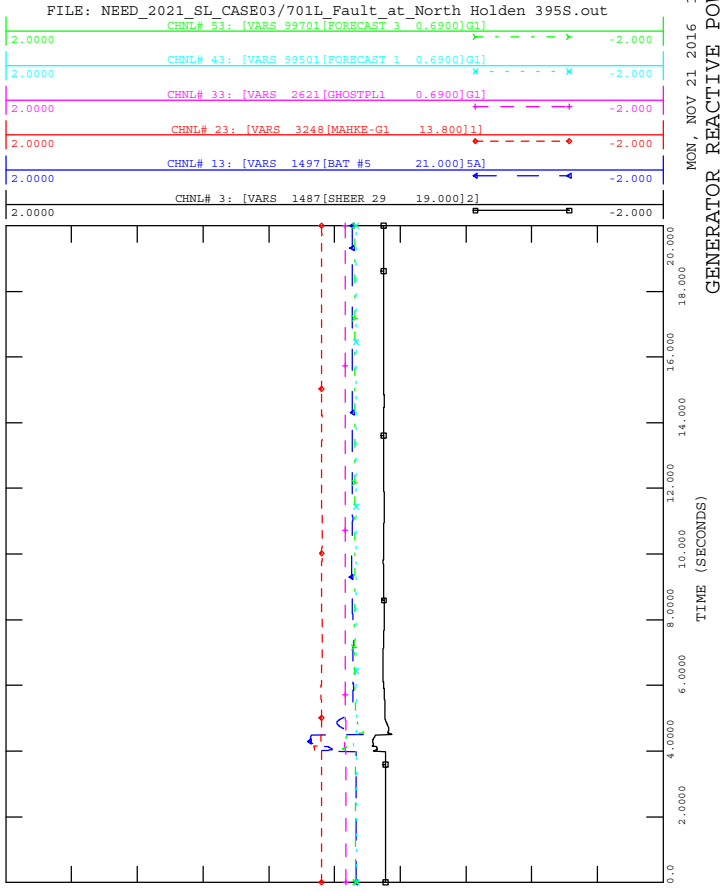


MON, NOV 21 2016 12:50

LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_North Holden 395S.out



MON, NOV 21 2016 12:50

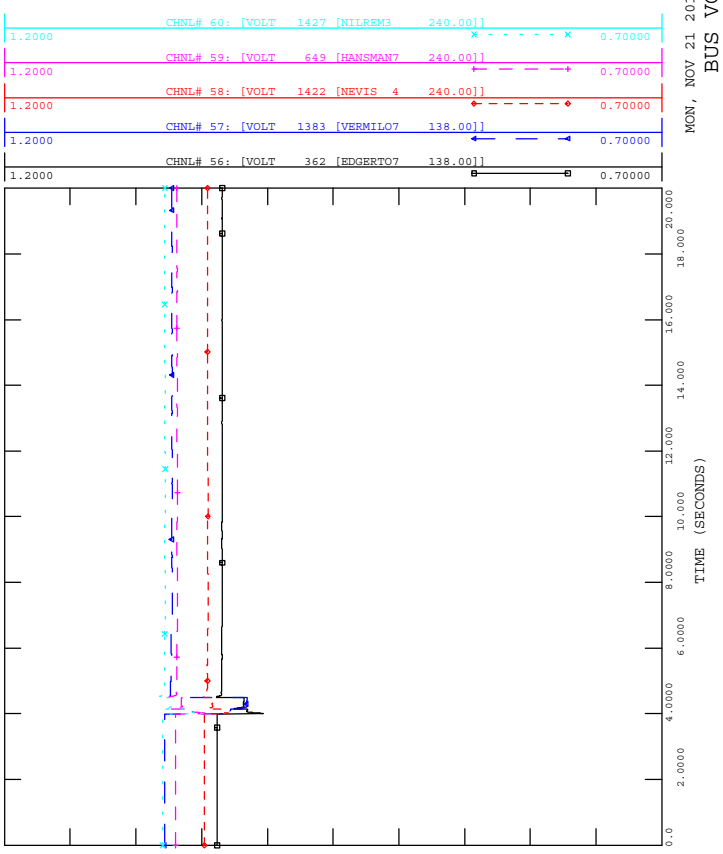
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

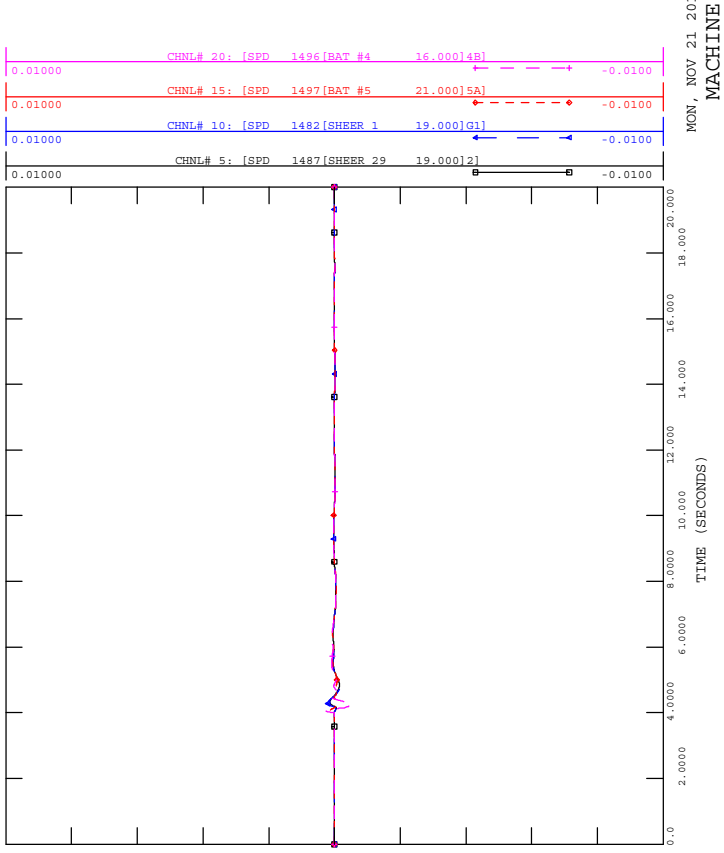


NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:50

MACHINE SPEED



NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_STROME 223S

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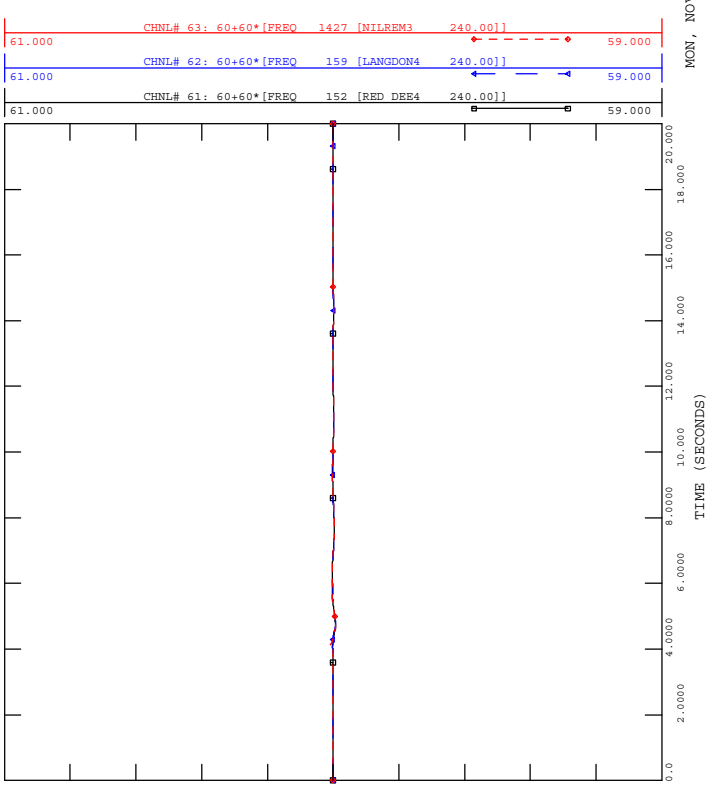
MON, NOV 21 2016 12:50

FREQUENCY

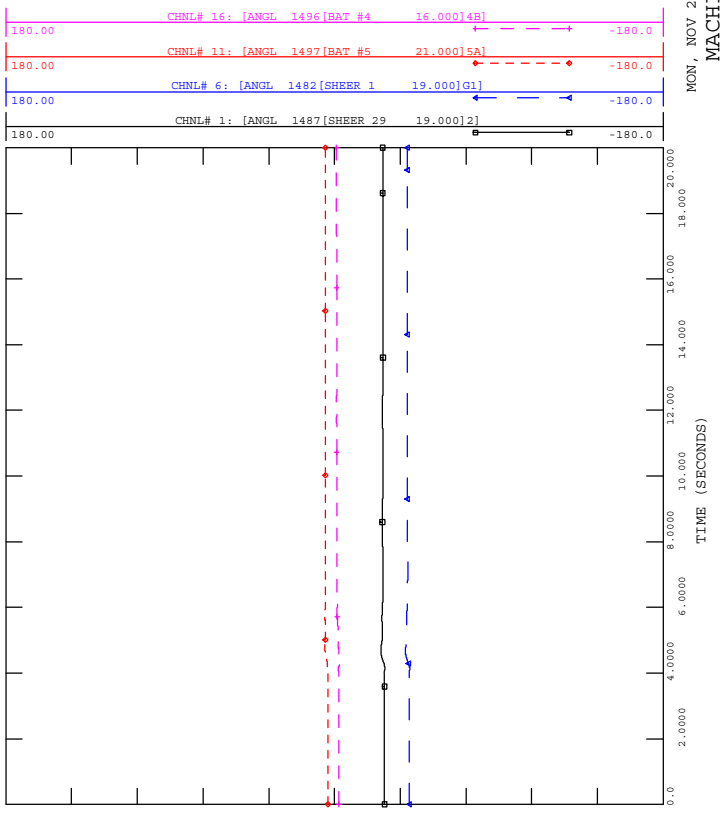


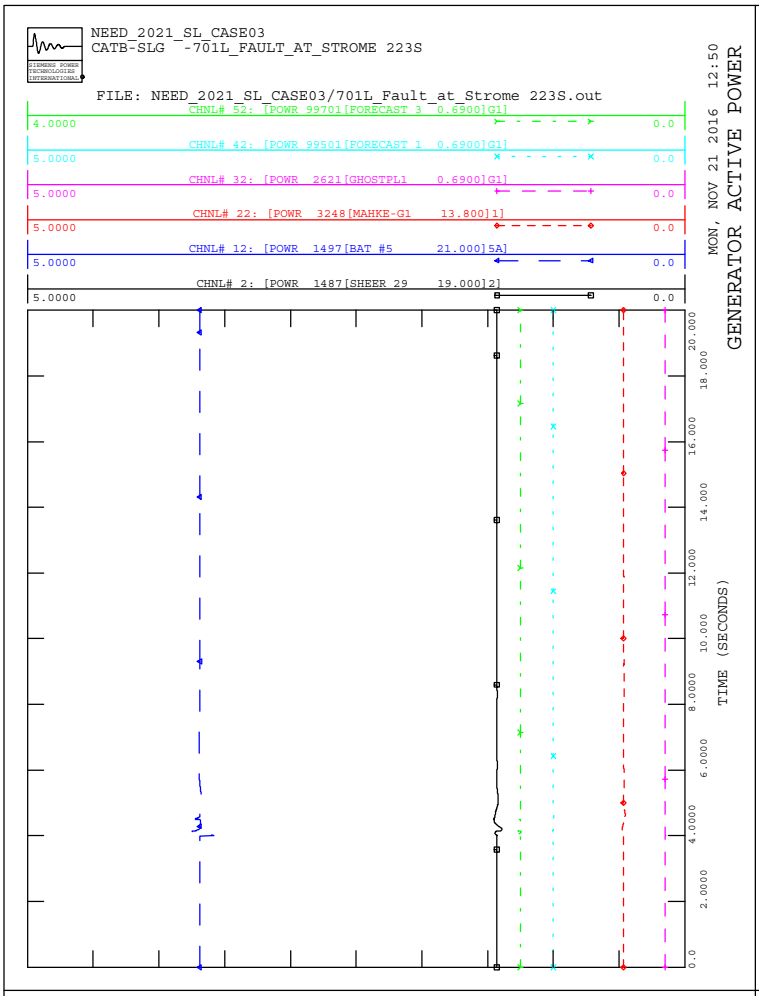
NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_STROME 223S

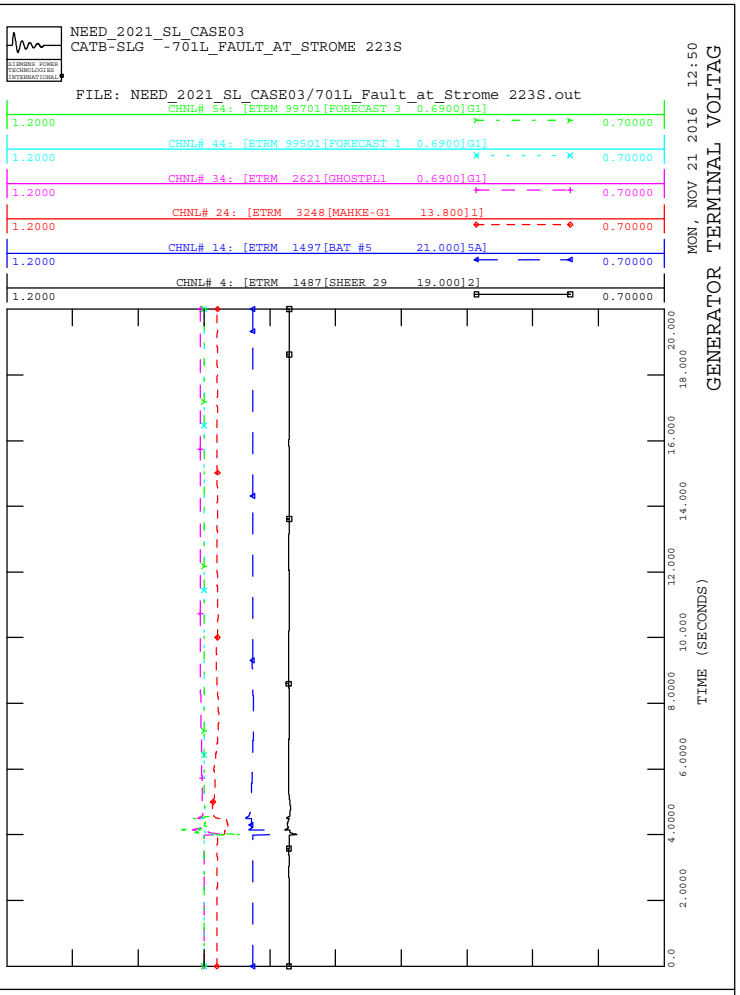
FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out

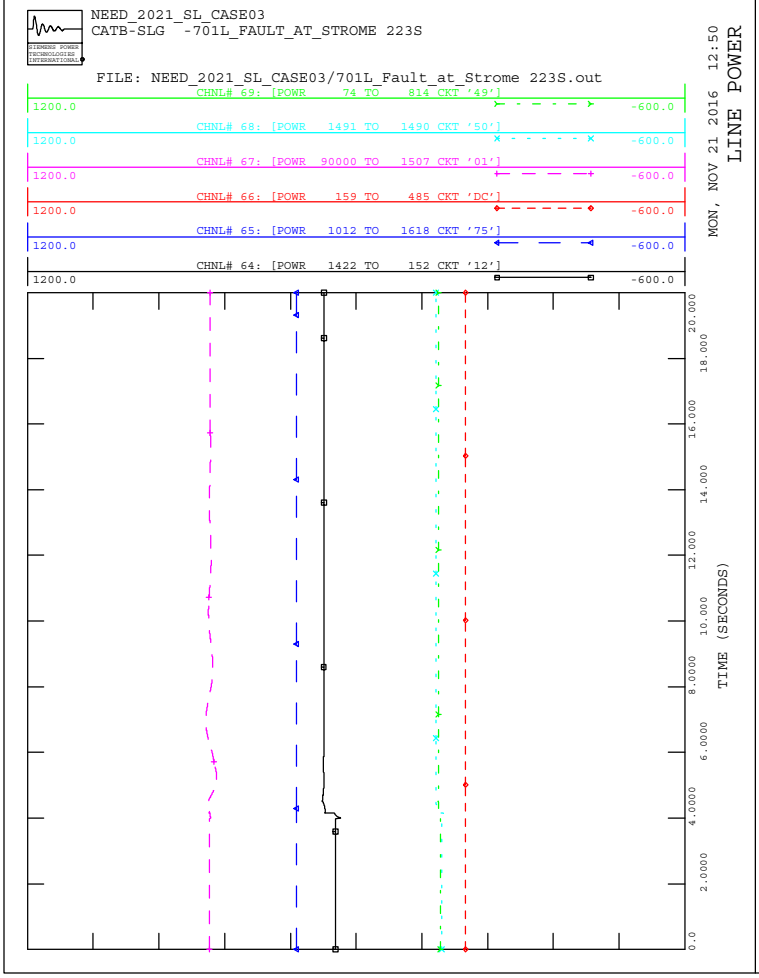
MON, NOV 21 2016 12:50

MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR TERMINAL VOLTAG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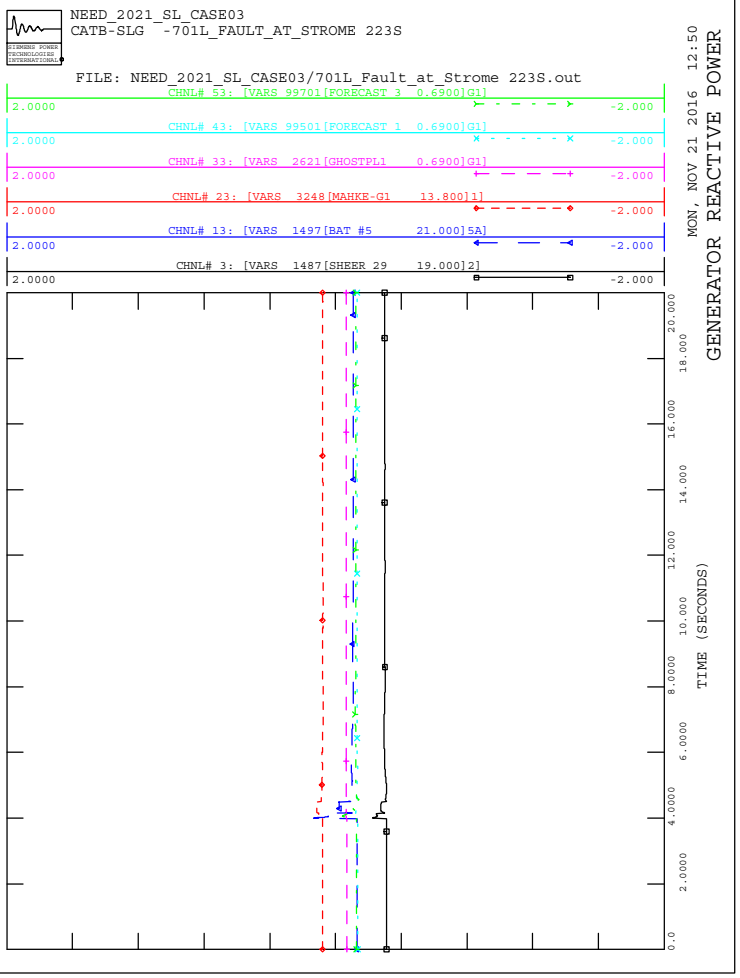
FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:50
LINE POWER

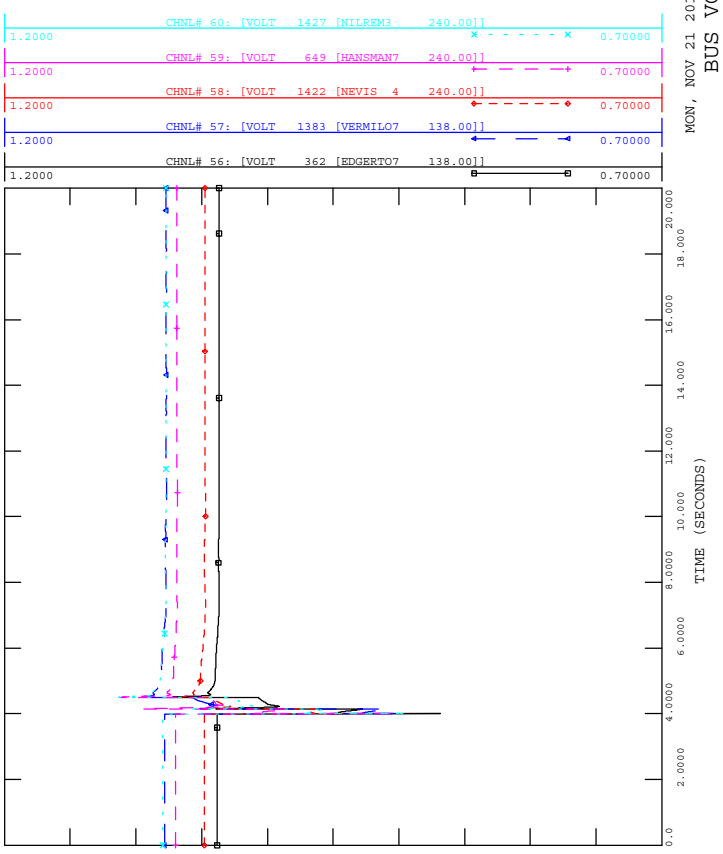

NEED_2021_SL_CASE03
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: NEED_2021_SL_CASE03/701L_Fault_at_Strome 223S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

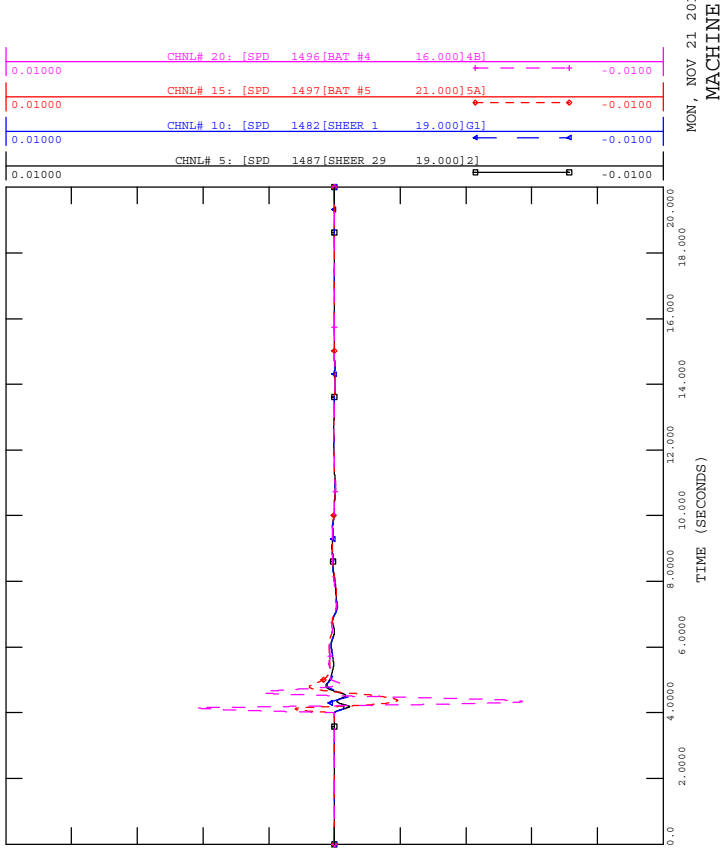


NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

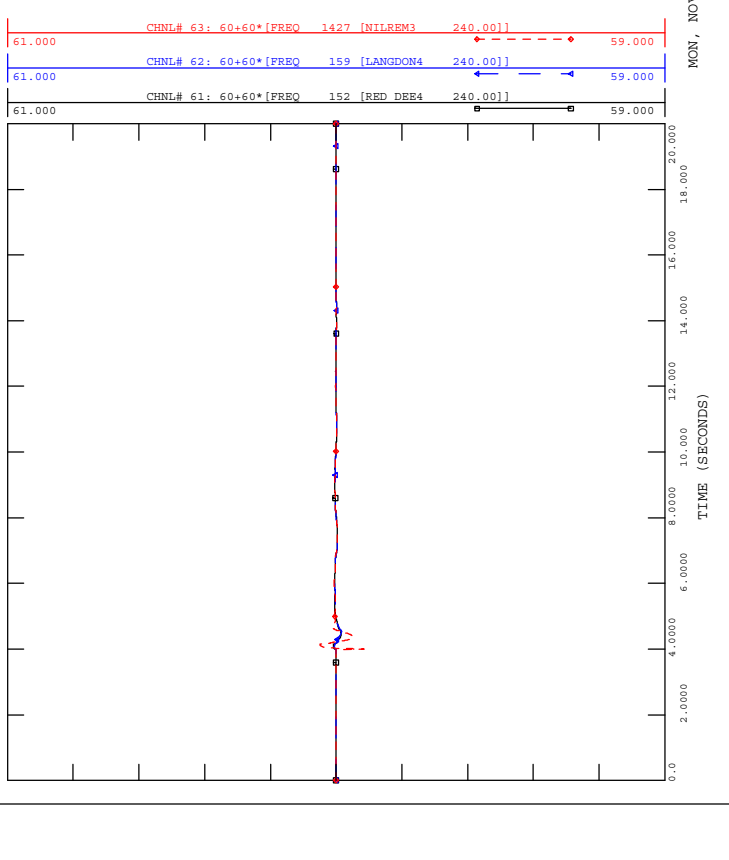


NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:50

FREQUENCY

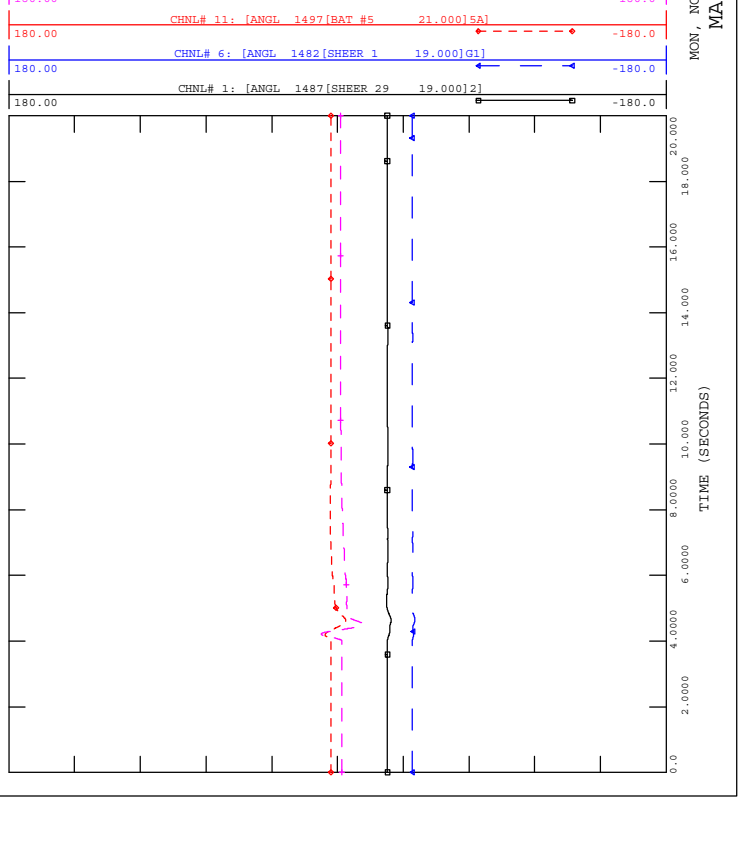


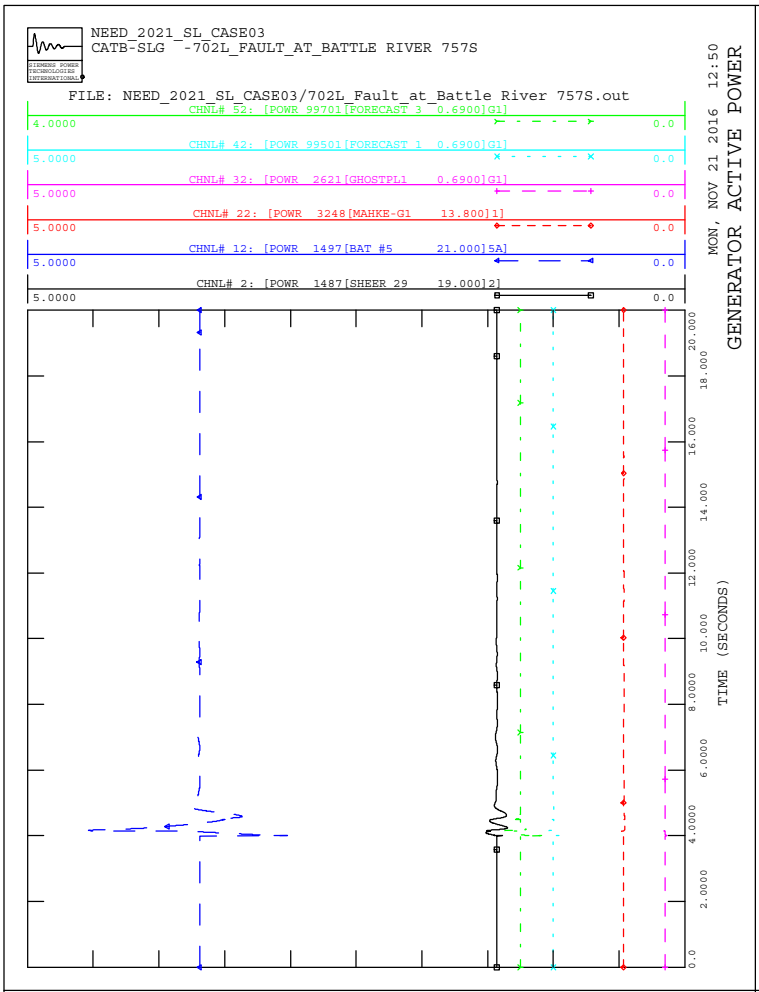
NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

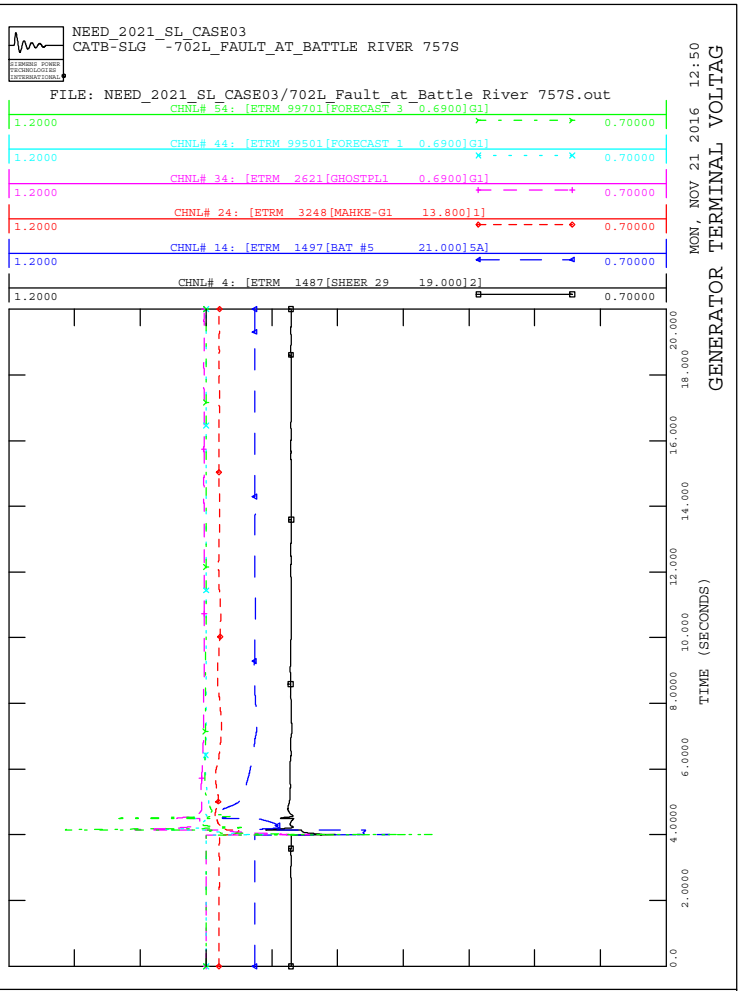
FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out

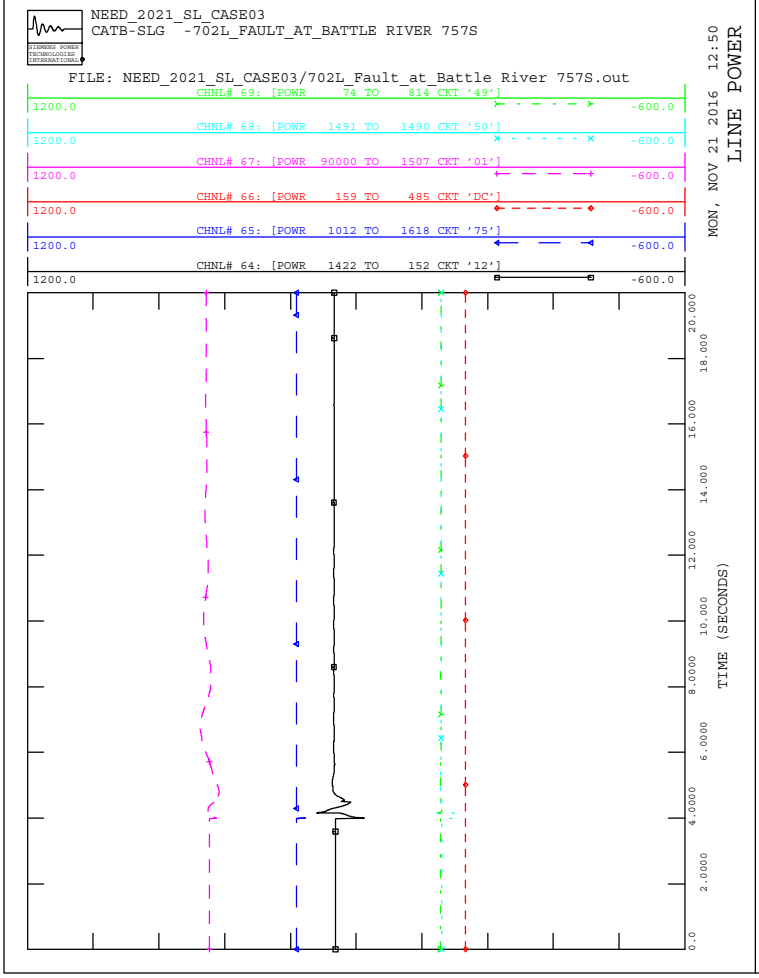
MON, NOV 21 2016 12:50

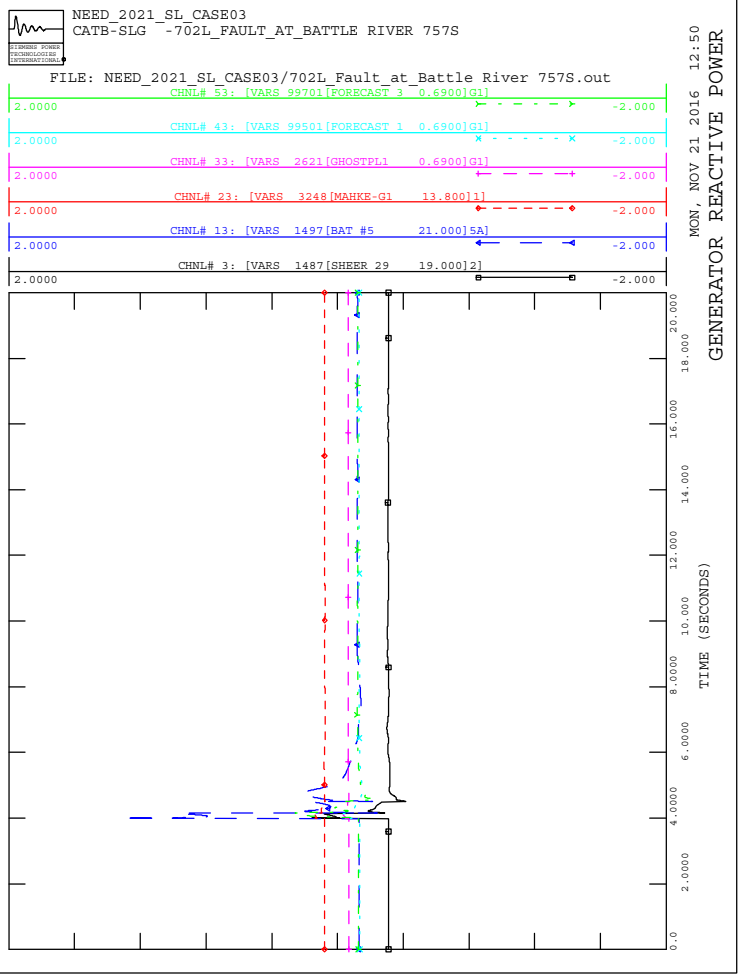
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:50
LINE POWER

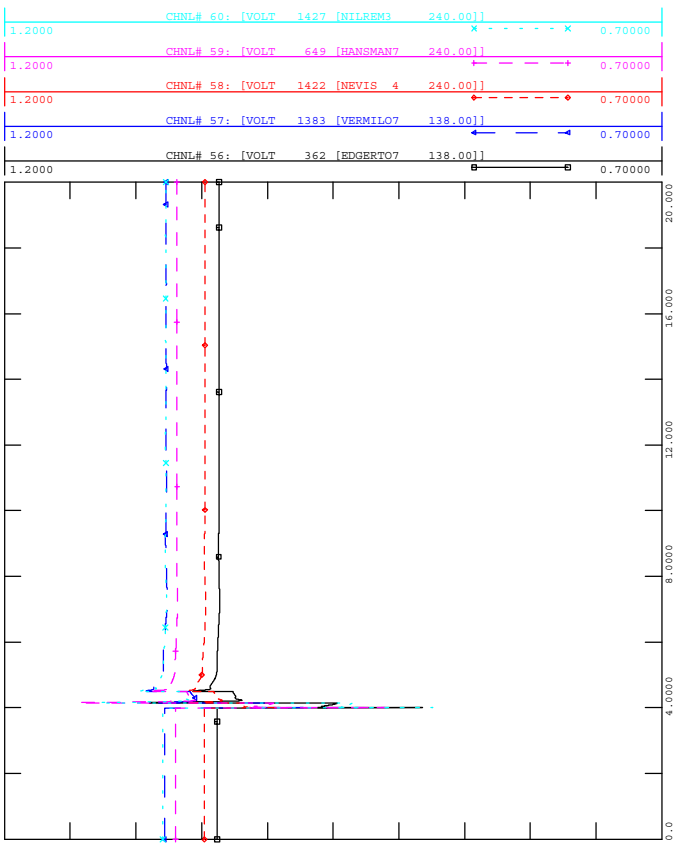

NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_SL_CASE03/702L_Fault_at_Battle River 757S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

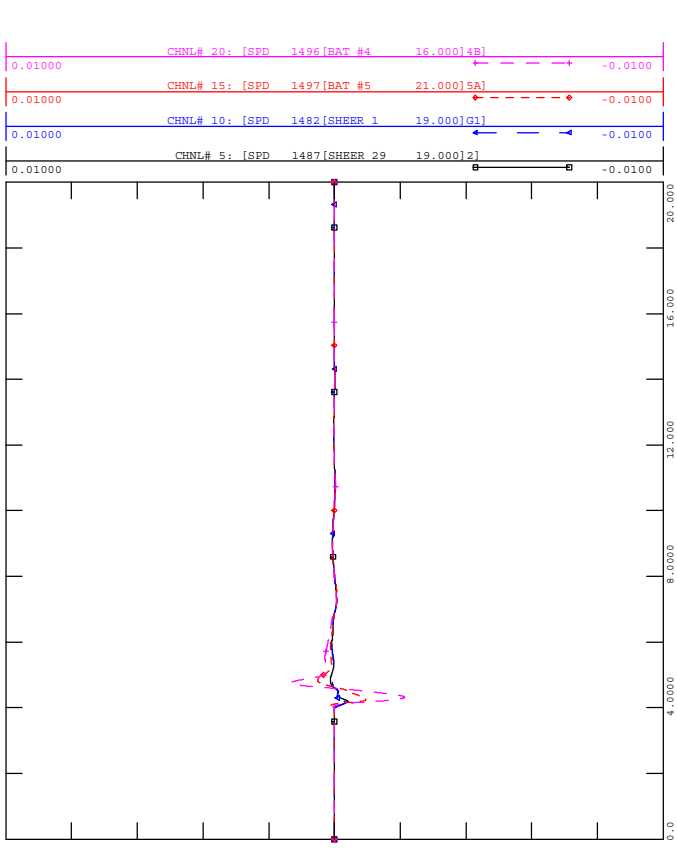


NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

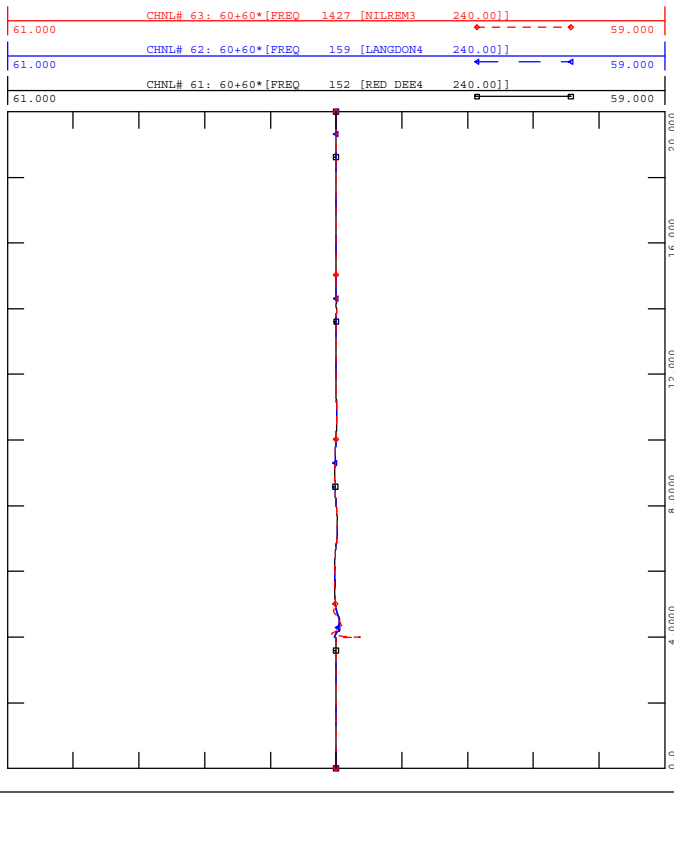


NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 12:50

FREQUENCY

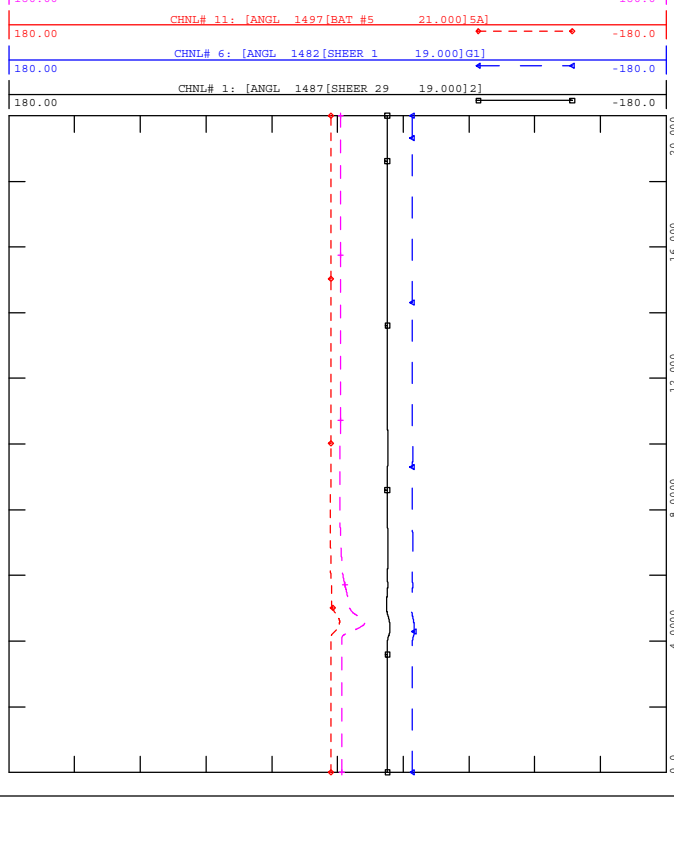


NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out

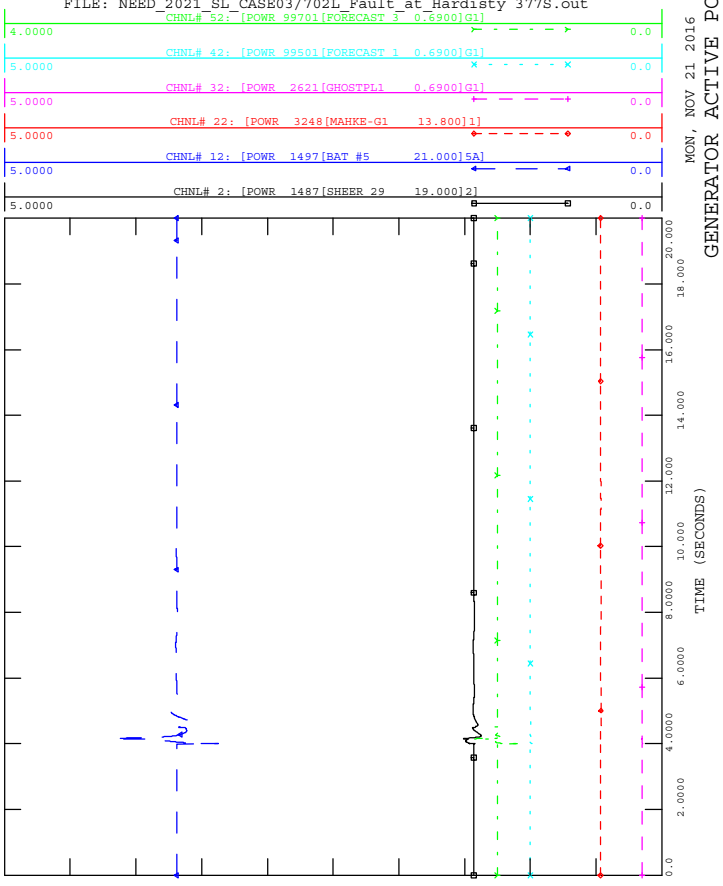
MON, NOV 21 2016 12:50

MACHINE ANGEL



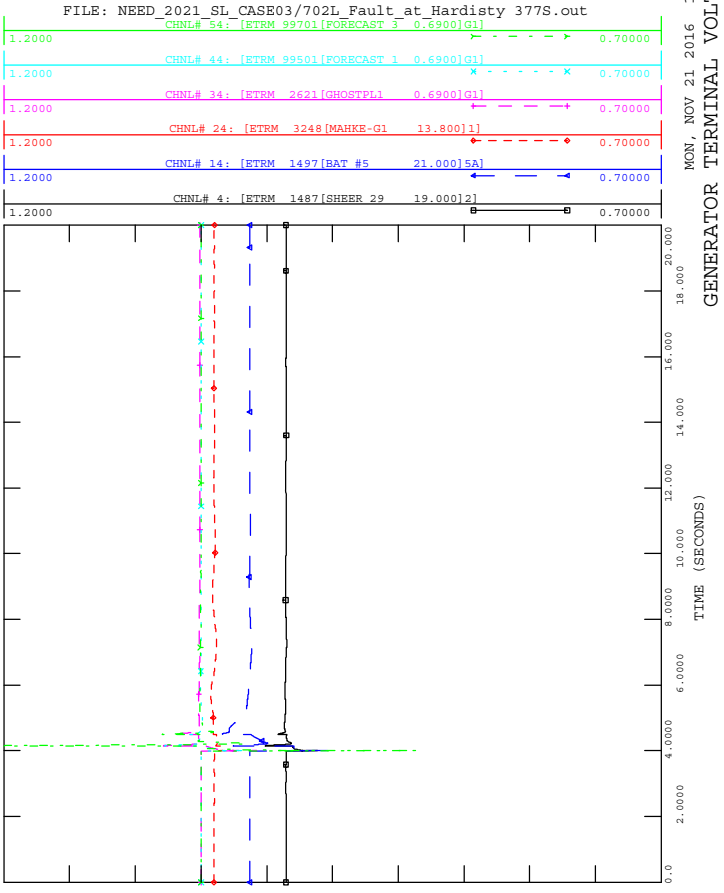
NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out



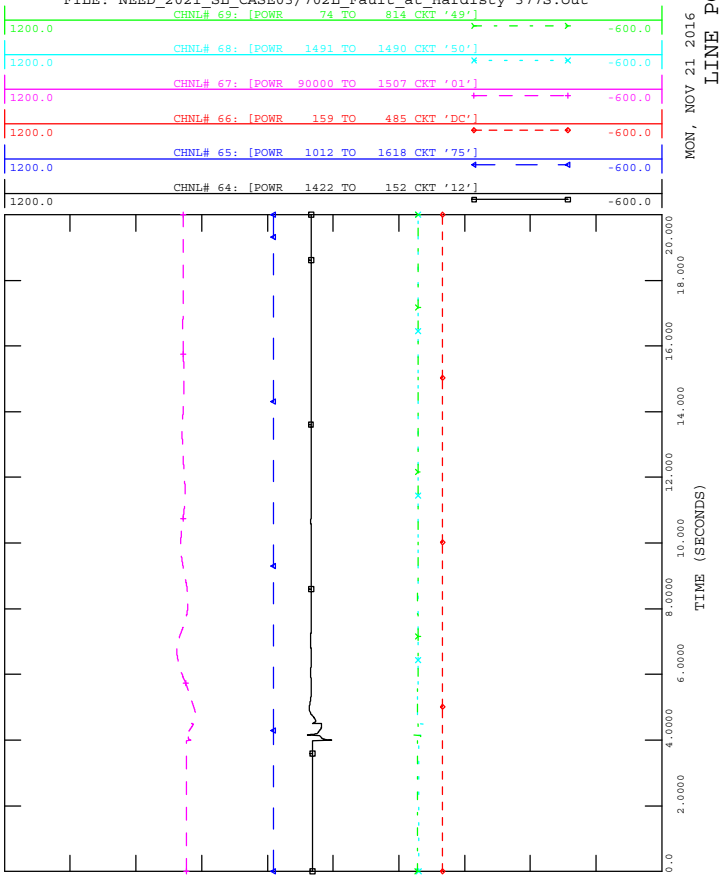
NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out



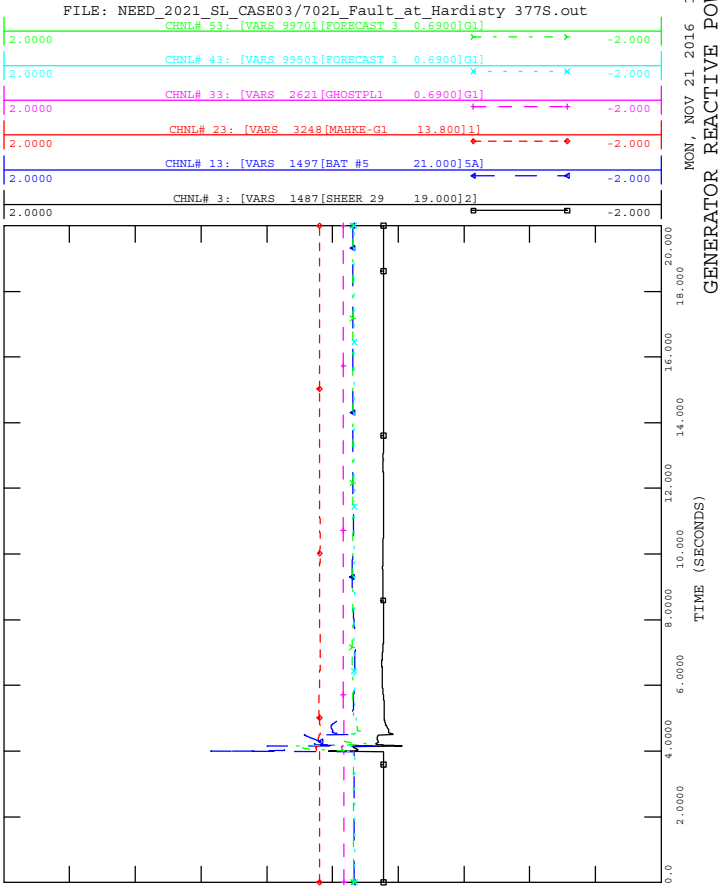
NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out



NEED_2021_SL_CASE03
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/702L_Fault_at_Hardisty 377S.out

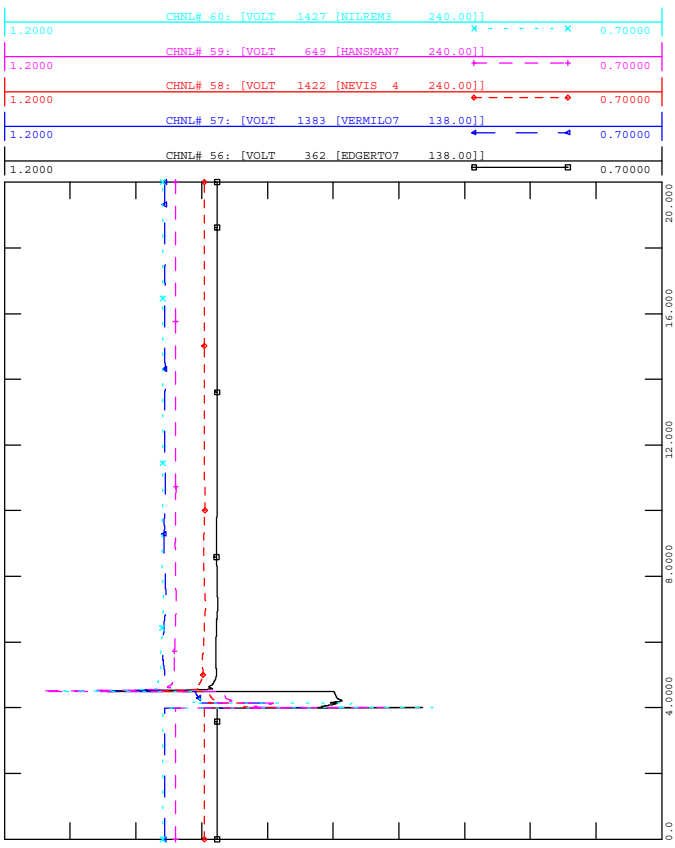


NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

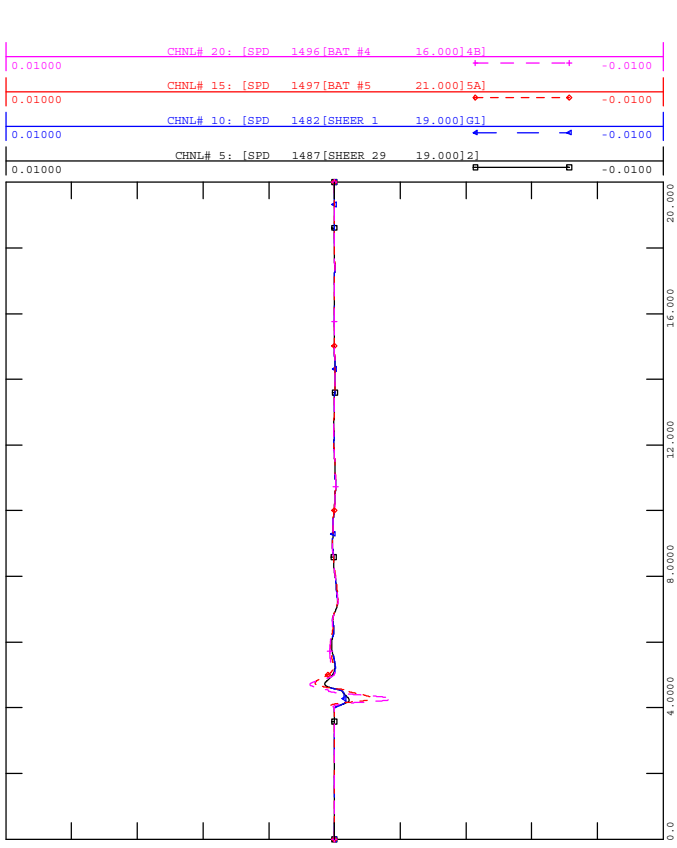


NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

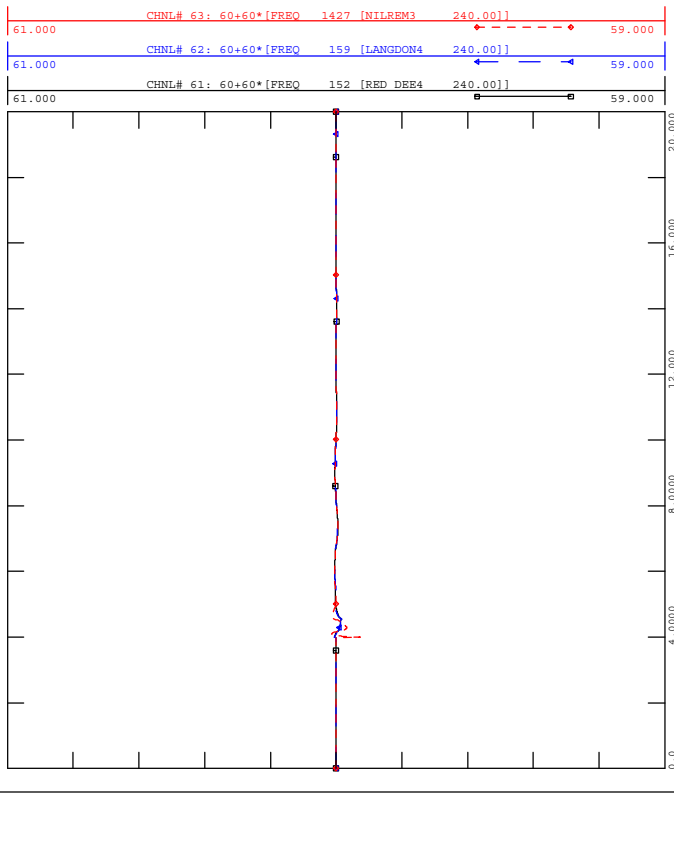


NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 12:50

FREQUENCY

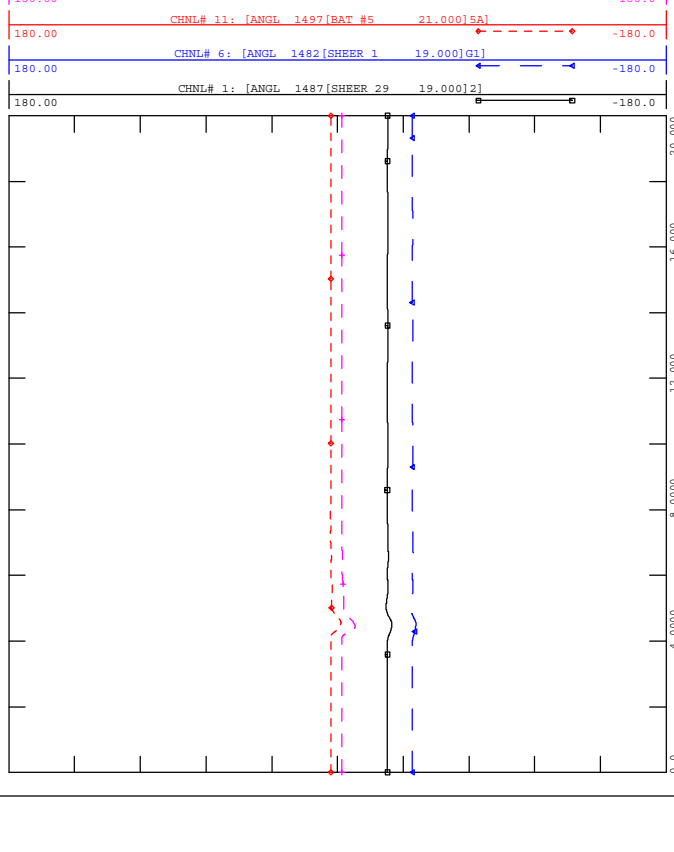


NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out

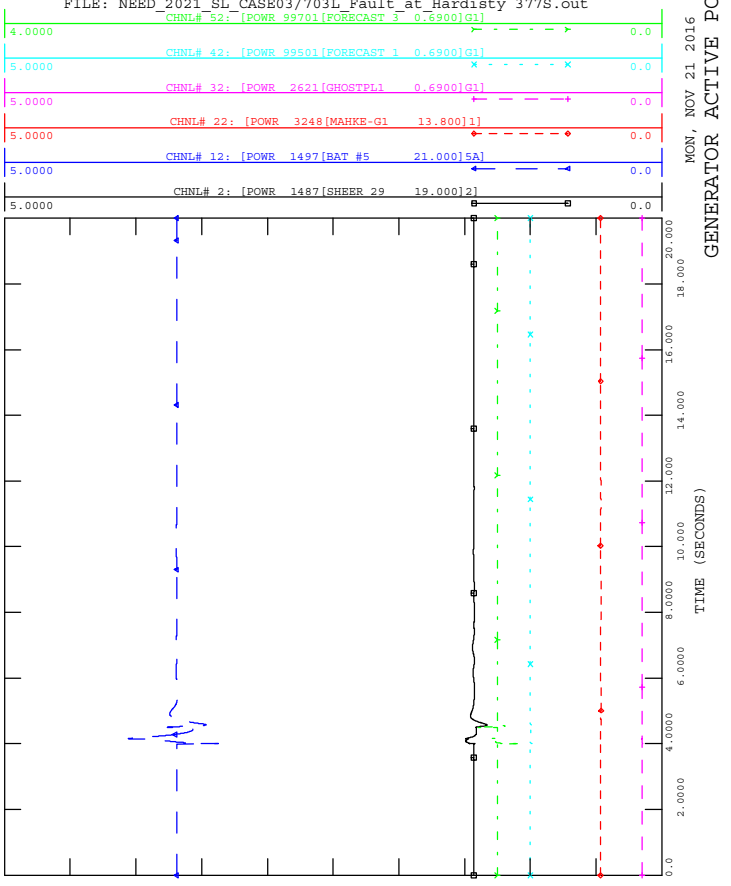
MON, NOV 21 2016 12:50

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out

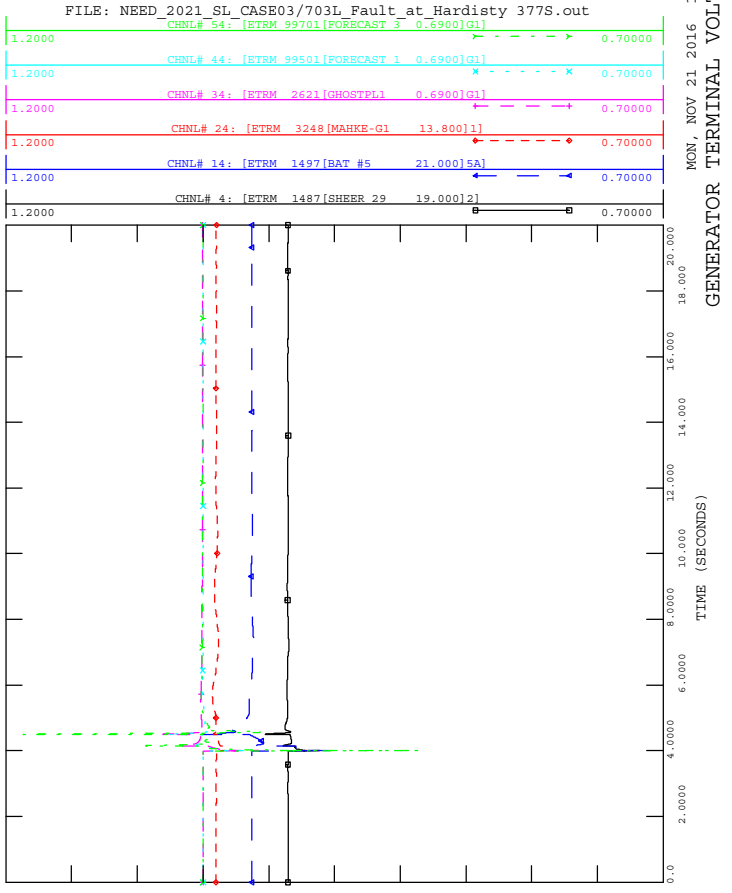


MON, NOV 21 2016 12:50

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out

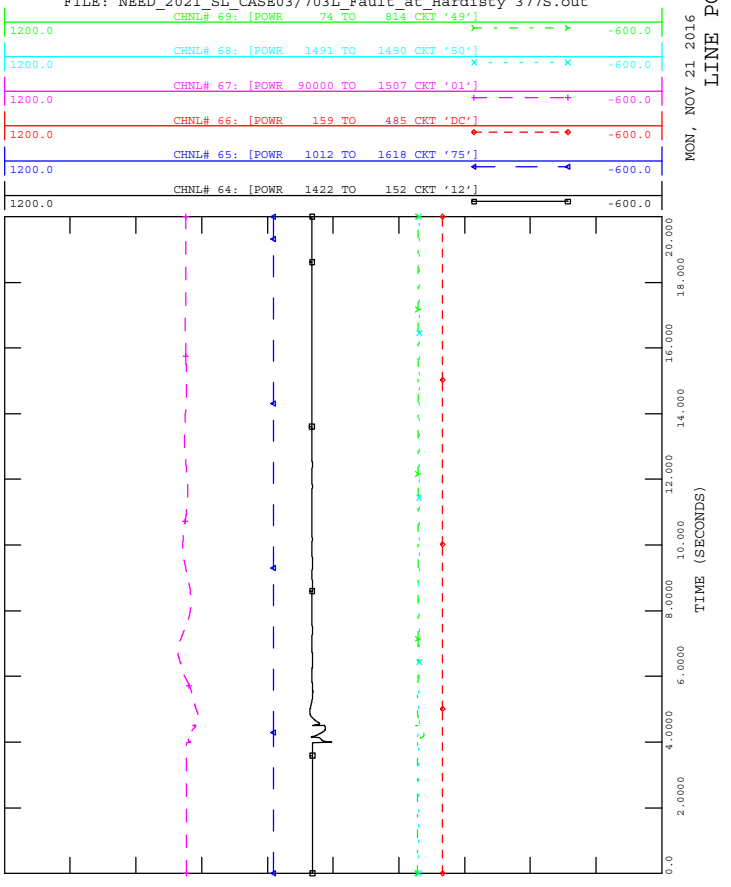


MON, NOV 21 2016 12:50

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out

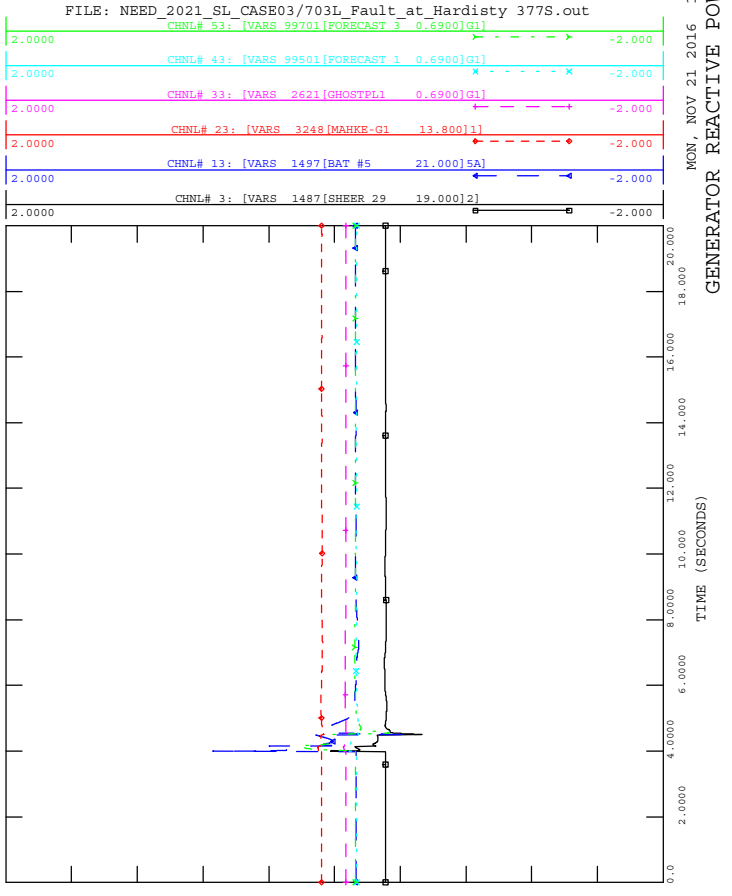


MON, NOV 21 2016 12:50

LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 12:50

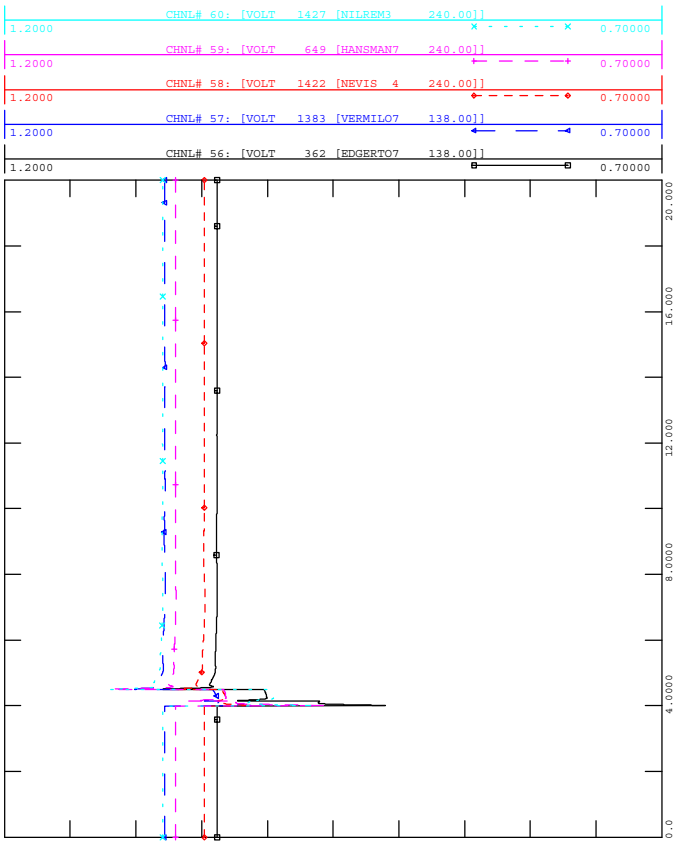
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

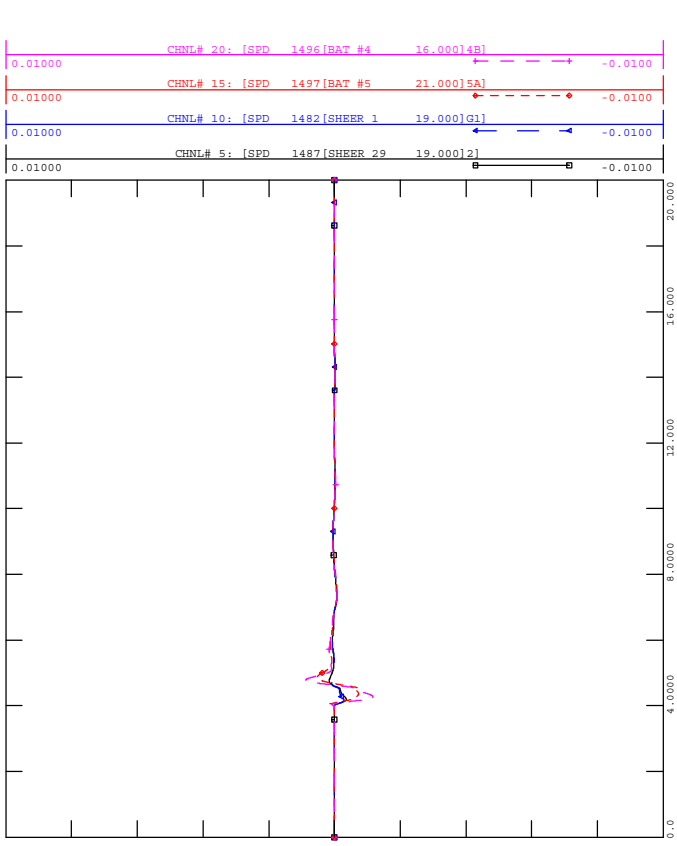


NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

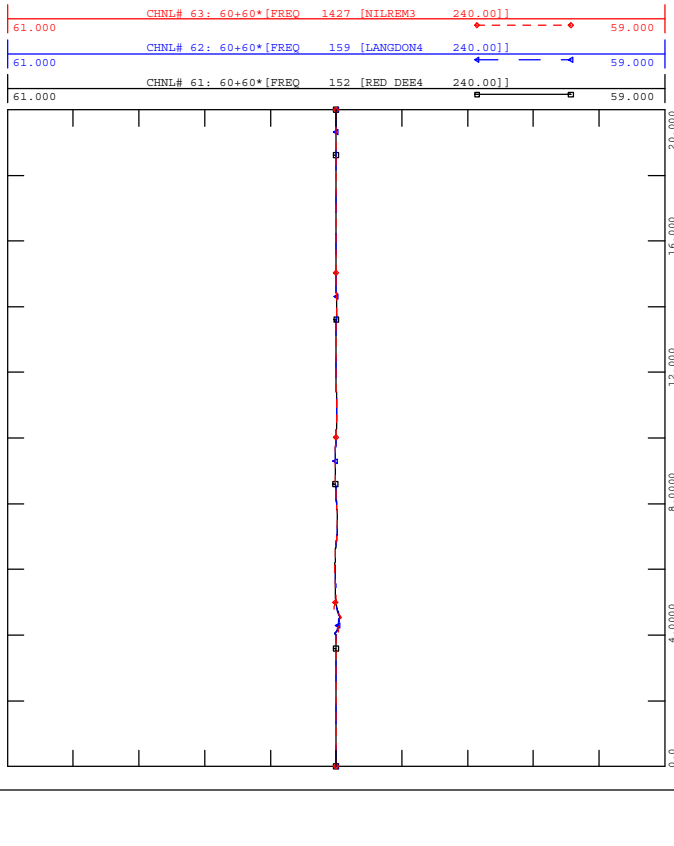


NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 12:50

FREQUENCY

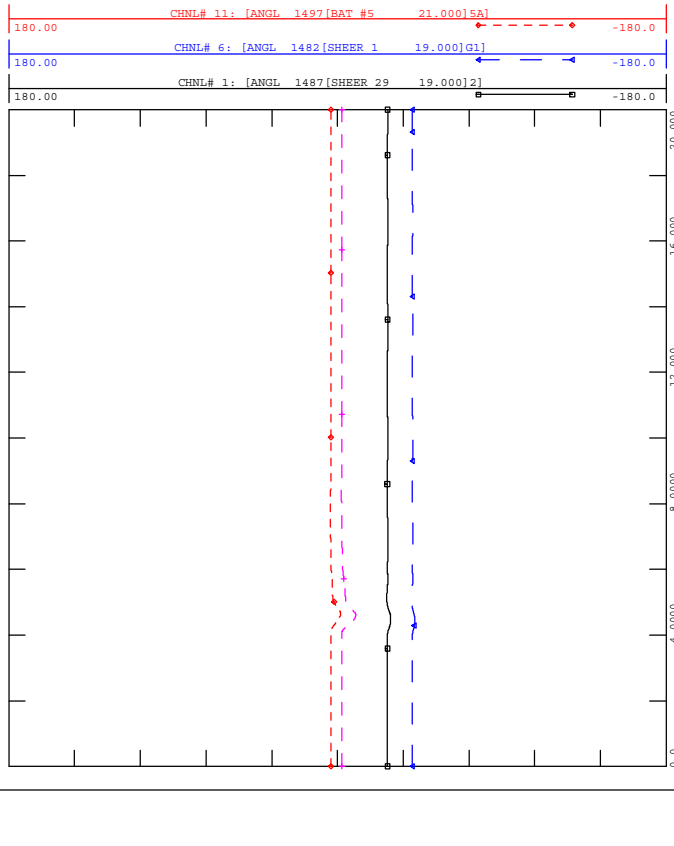


NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

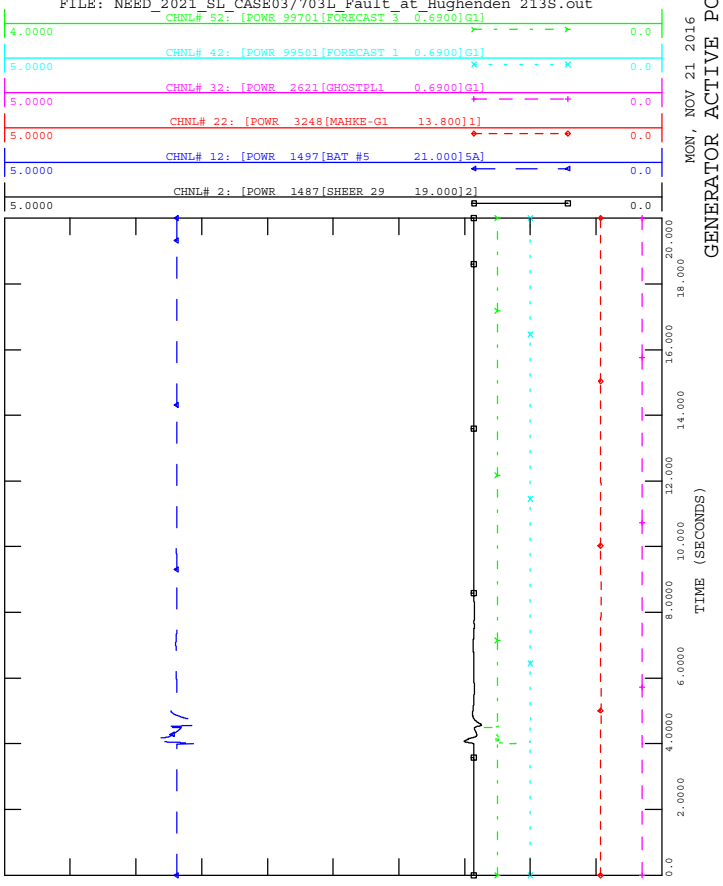
MON, NOV 21 2016 12:50

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

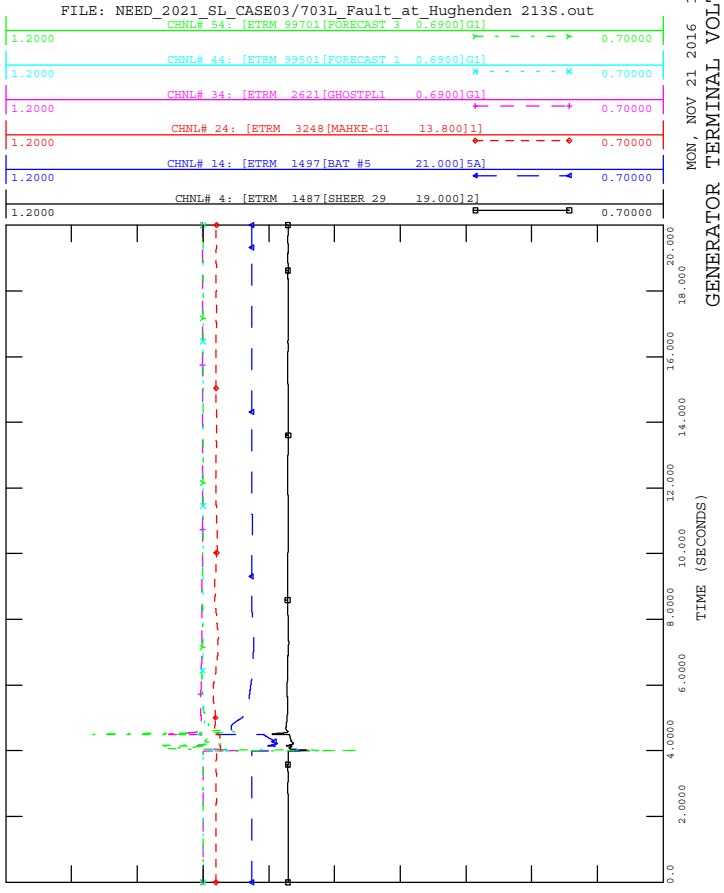


MON, NOV 21 2016 12:50

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

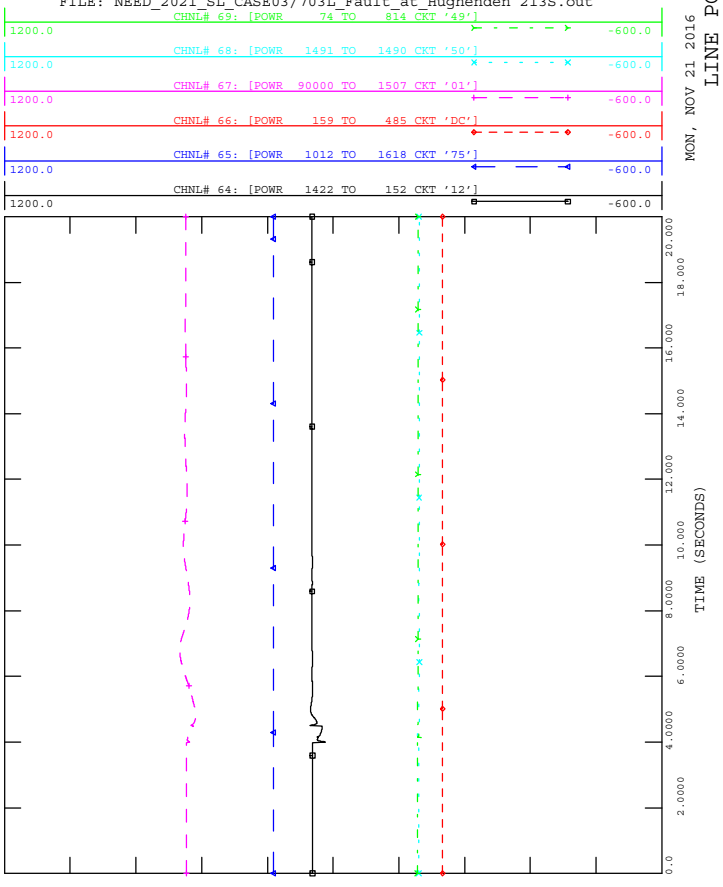


MON, NOV 21 2016 12:50

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out

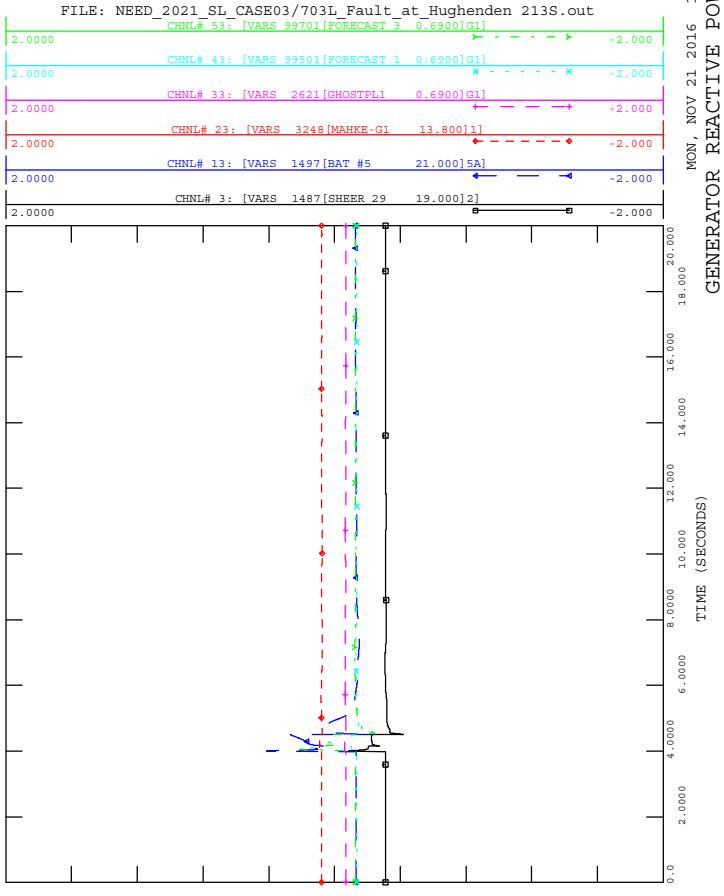


MON, NOV 21 2016 12:50

LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/703L_Fault_at_Hughenden 213S.out



MON, NOV 21 2016 12:50

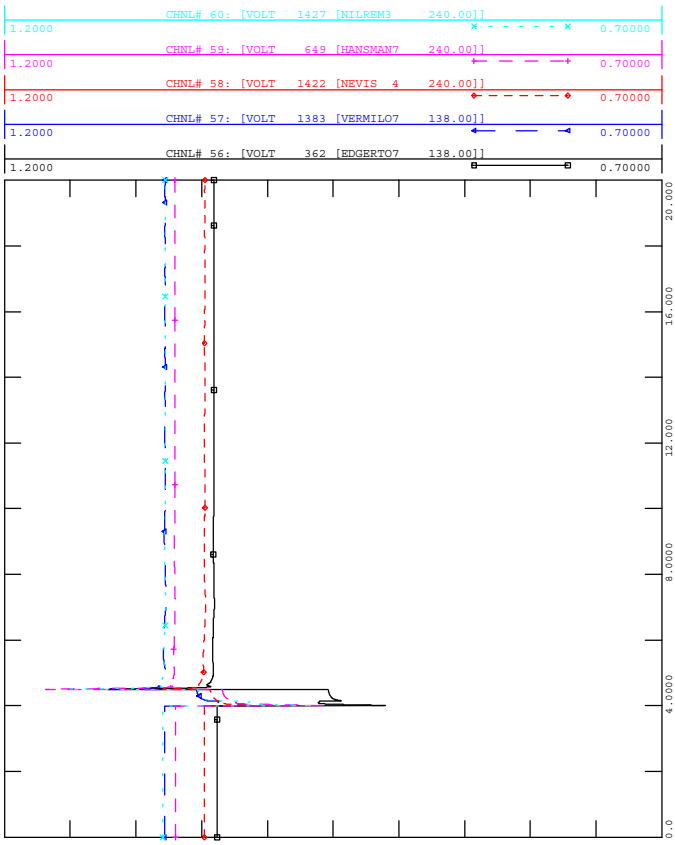
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

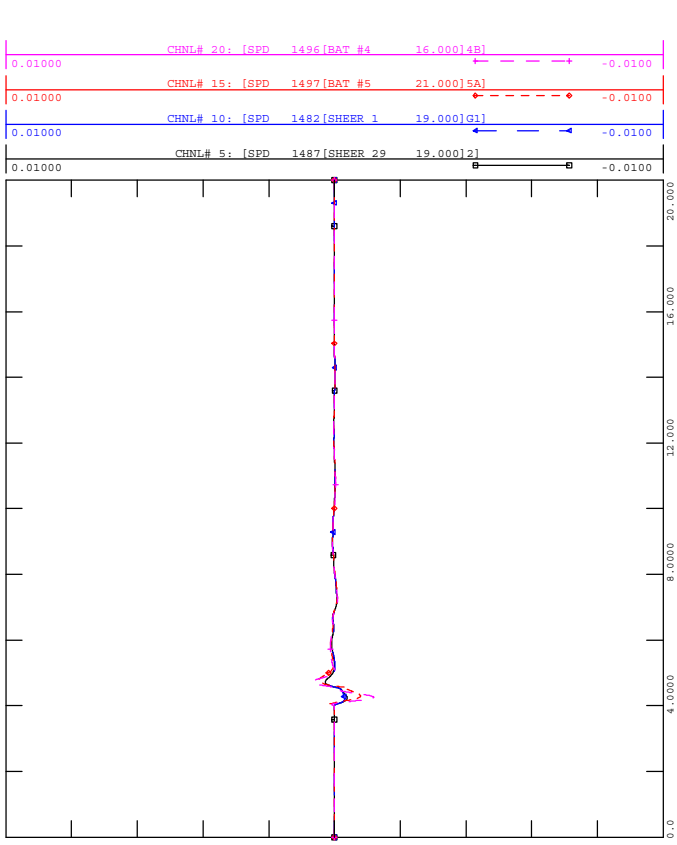


NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

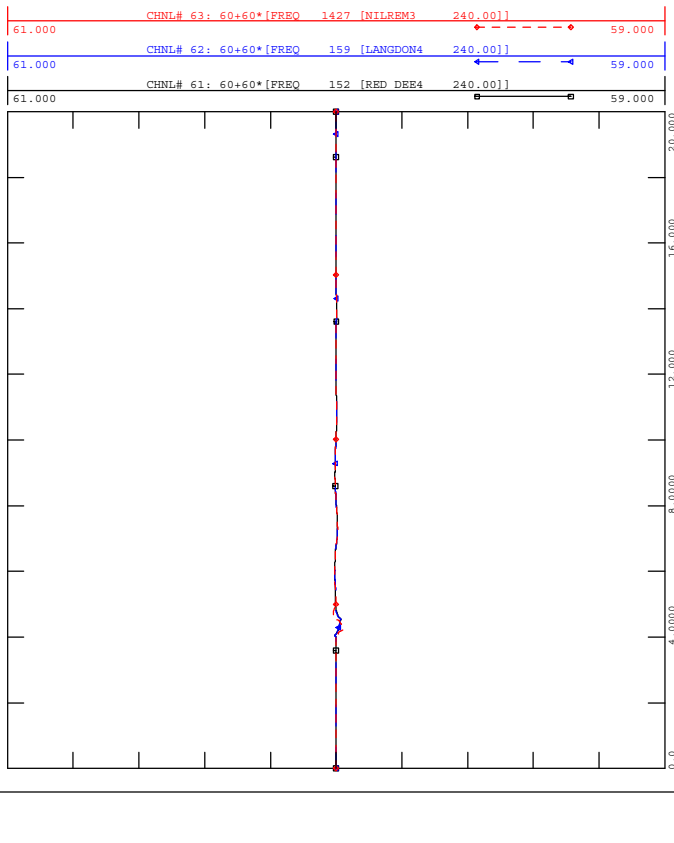


NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 12:50

FREQUENCY

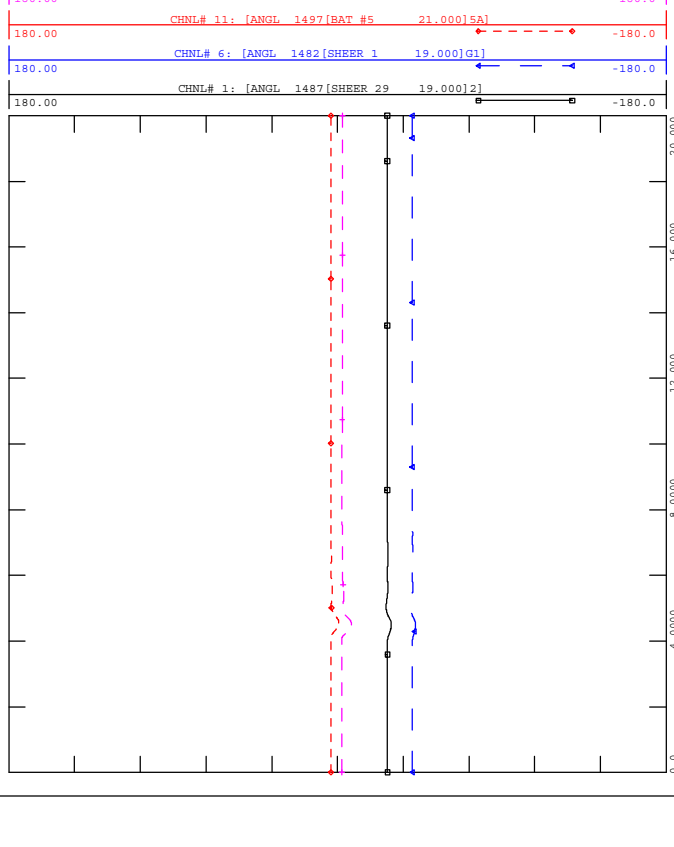


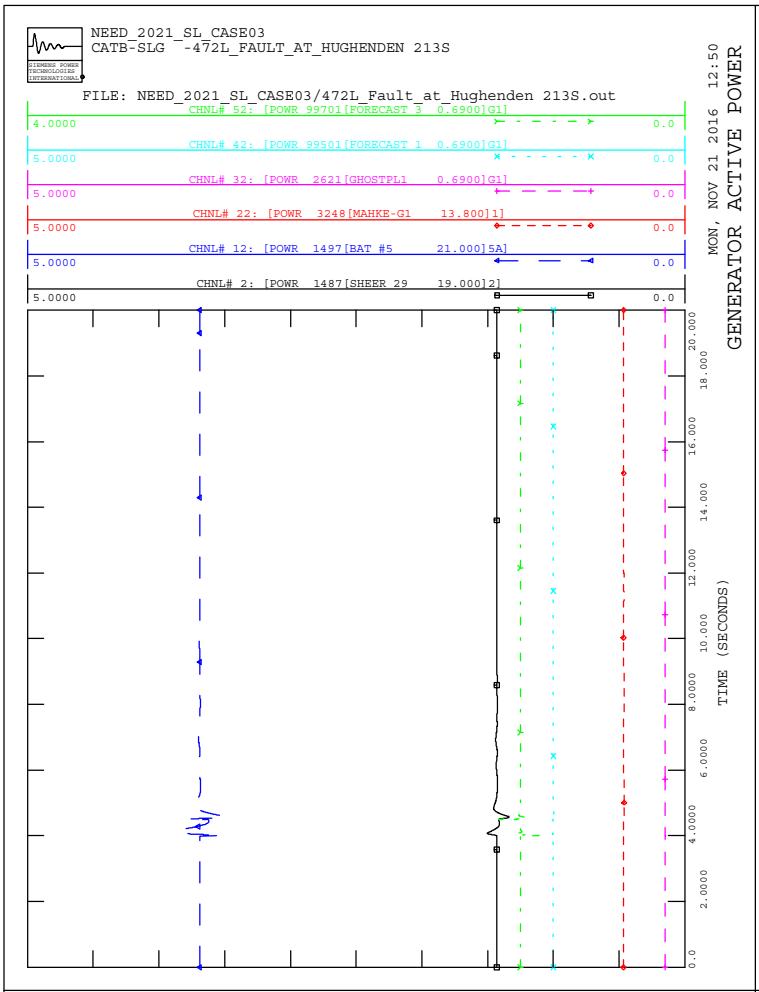
NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

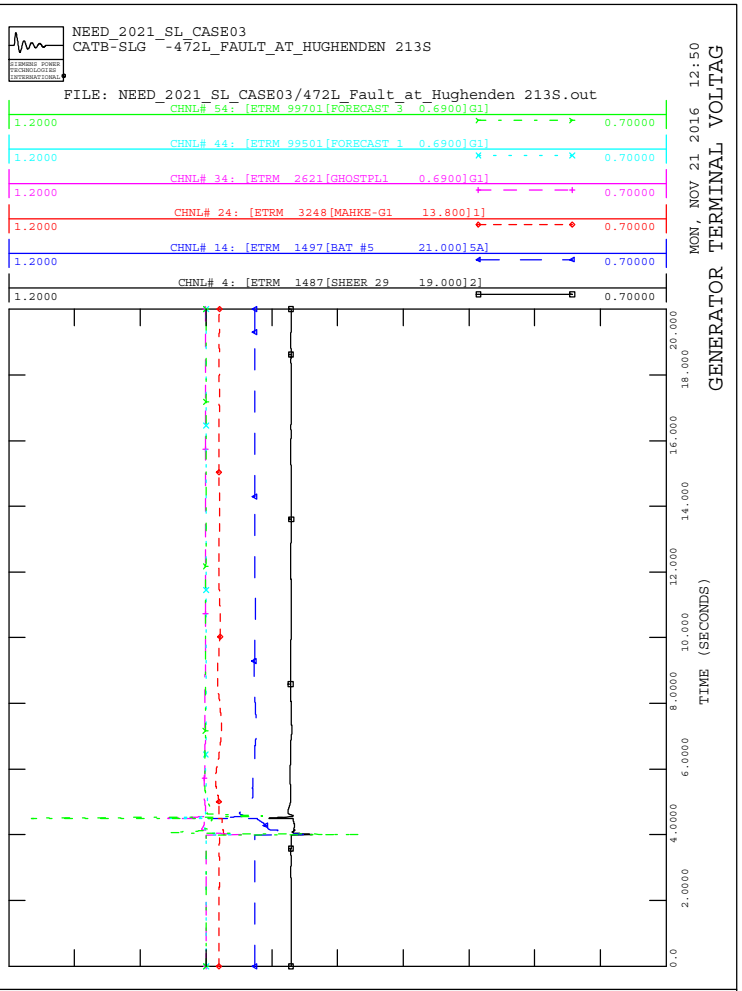
FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out

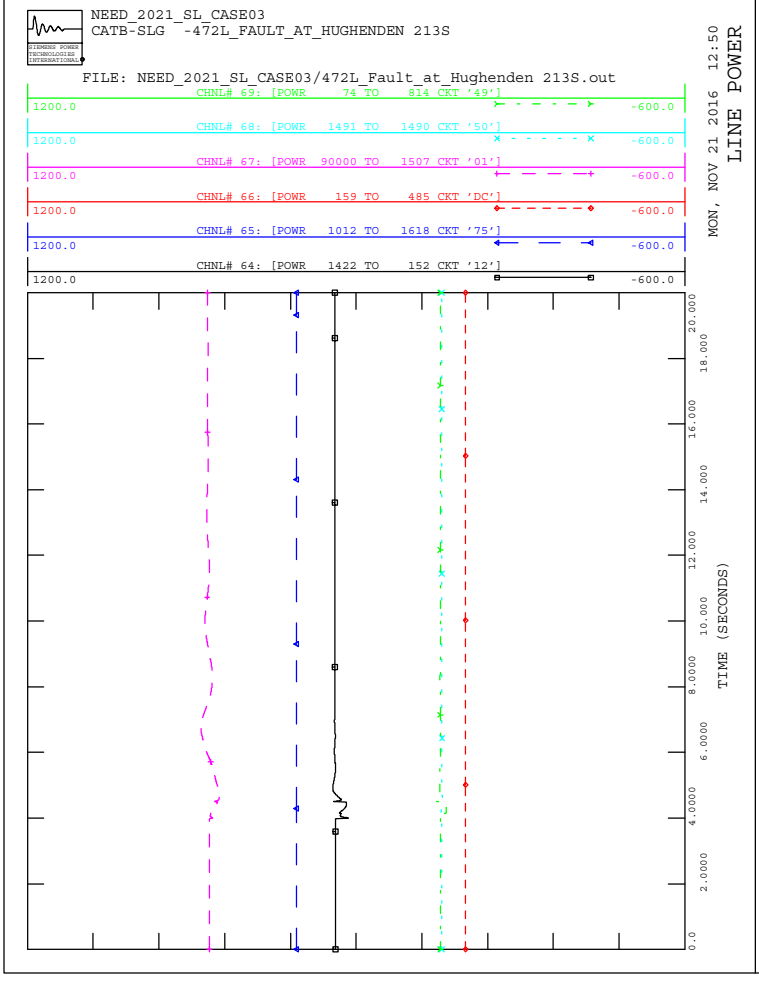
MON, NOV 21 2016 12:50

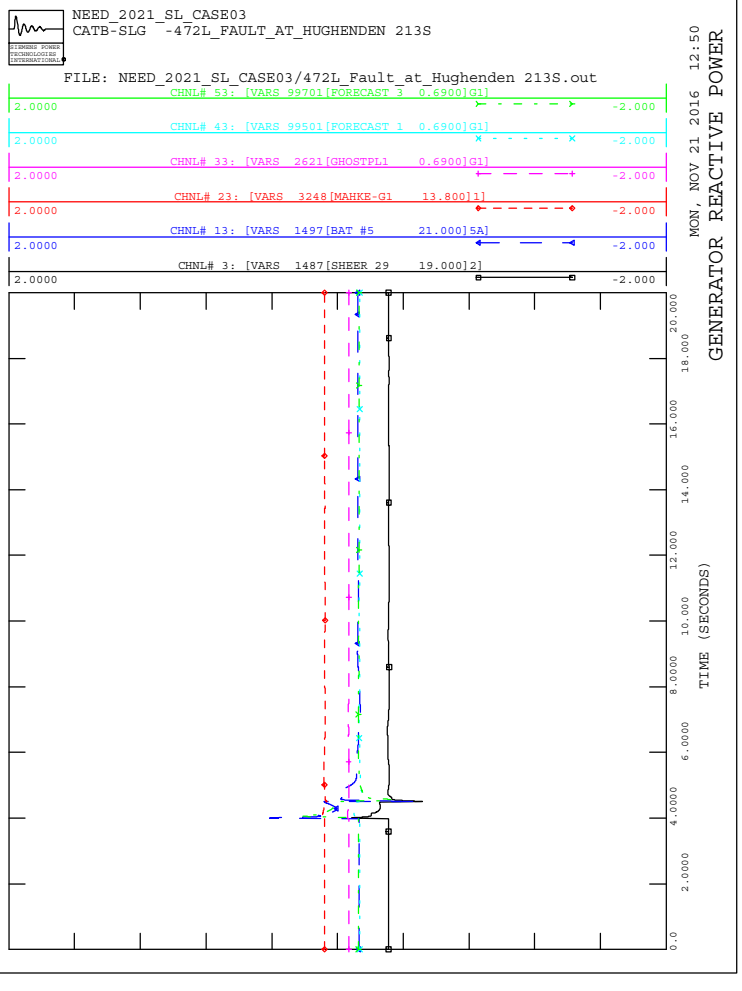
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:50
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)

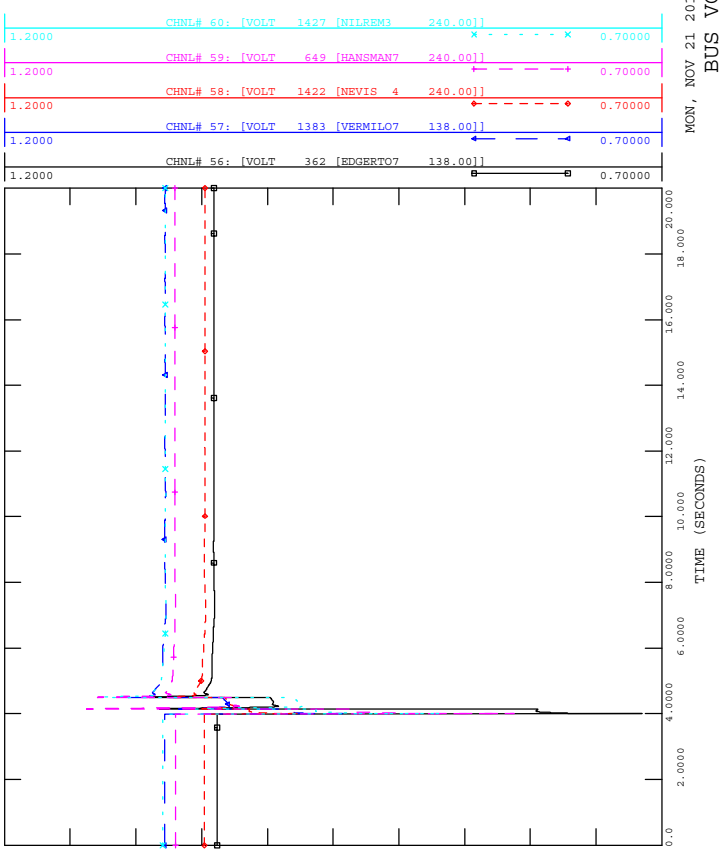

NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: NEED_2021_SL_CASE03/472L_Fault_at_Hughenden 213S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

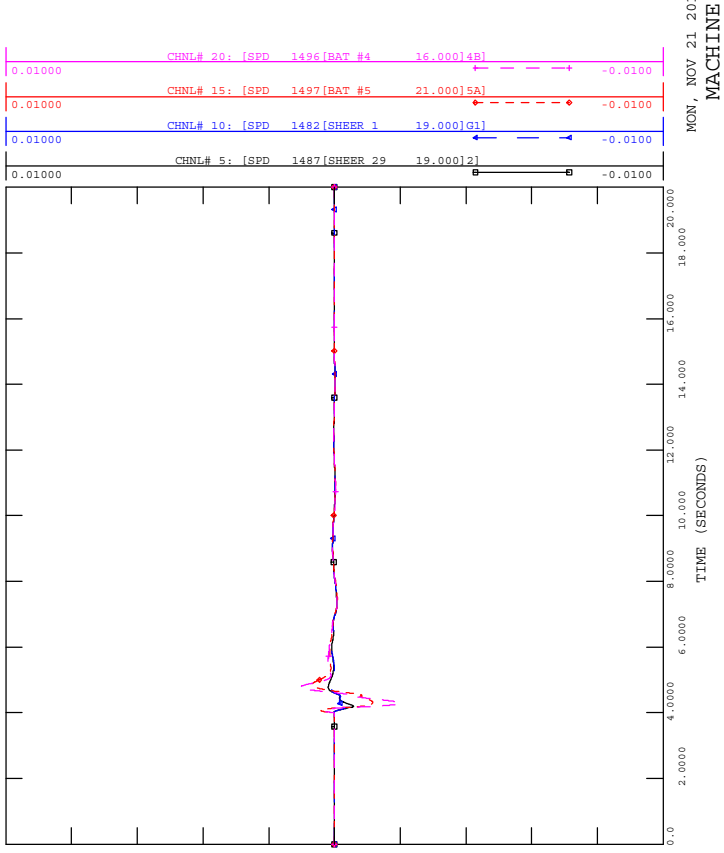


NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

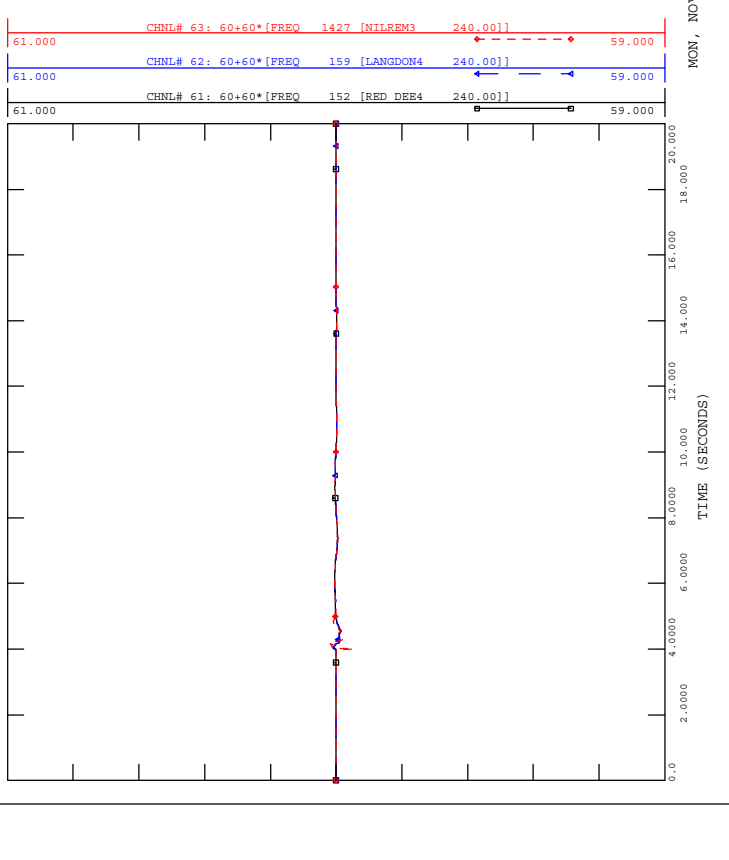


NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:50

FREQUENCY

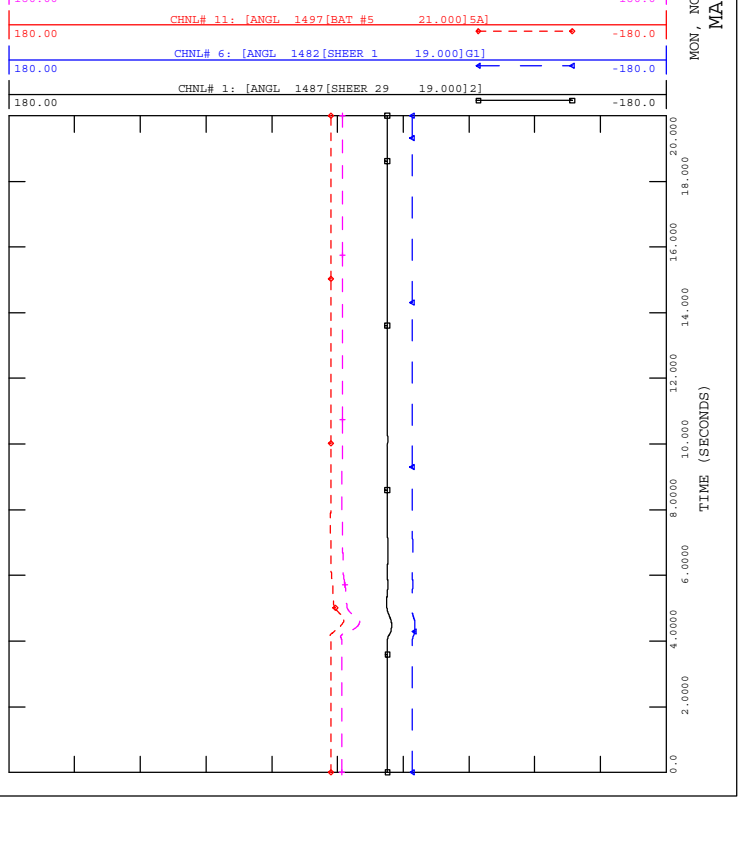


NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out

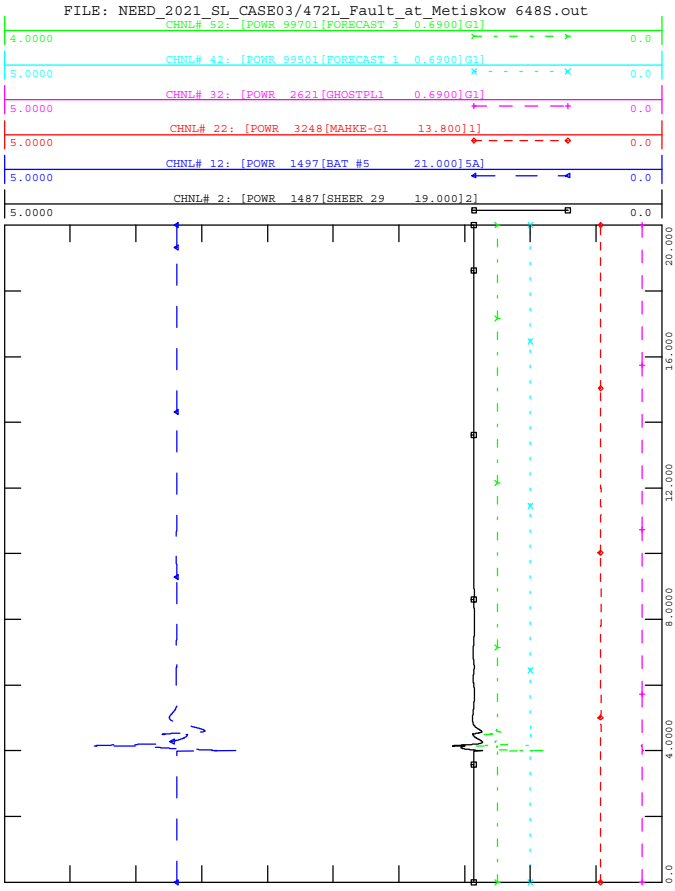
MON, NOV 21 2016 12:50

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out

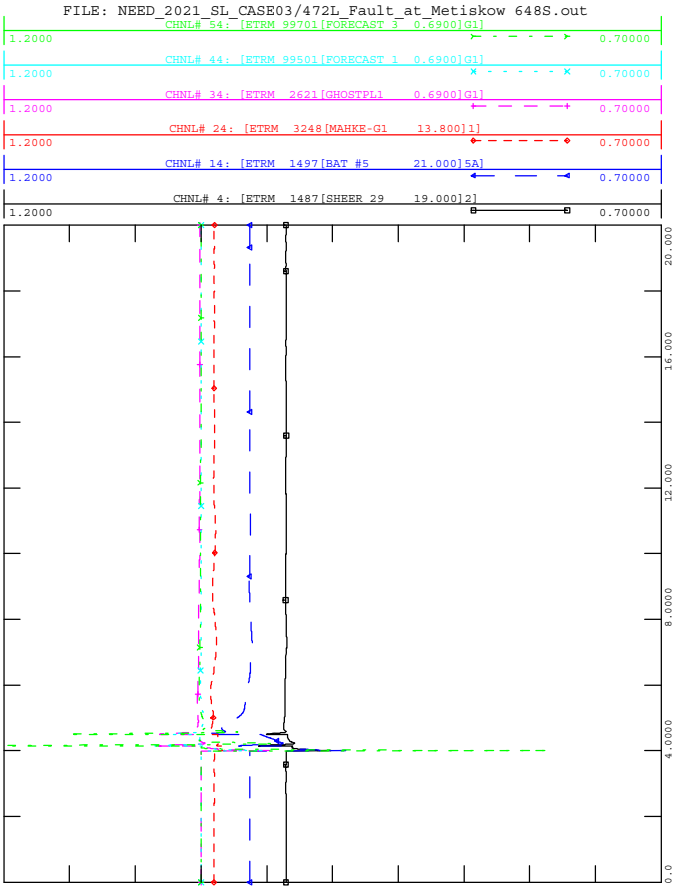


MON, NOV 21 2016 12:50

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out

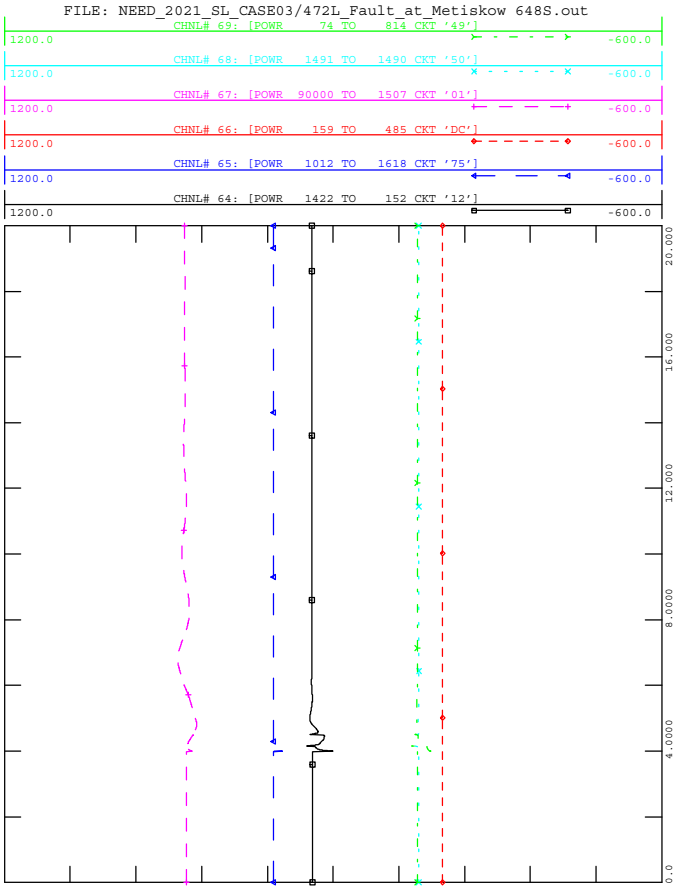


MON, NOV 21 2016 12:50

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out

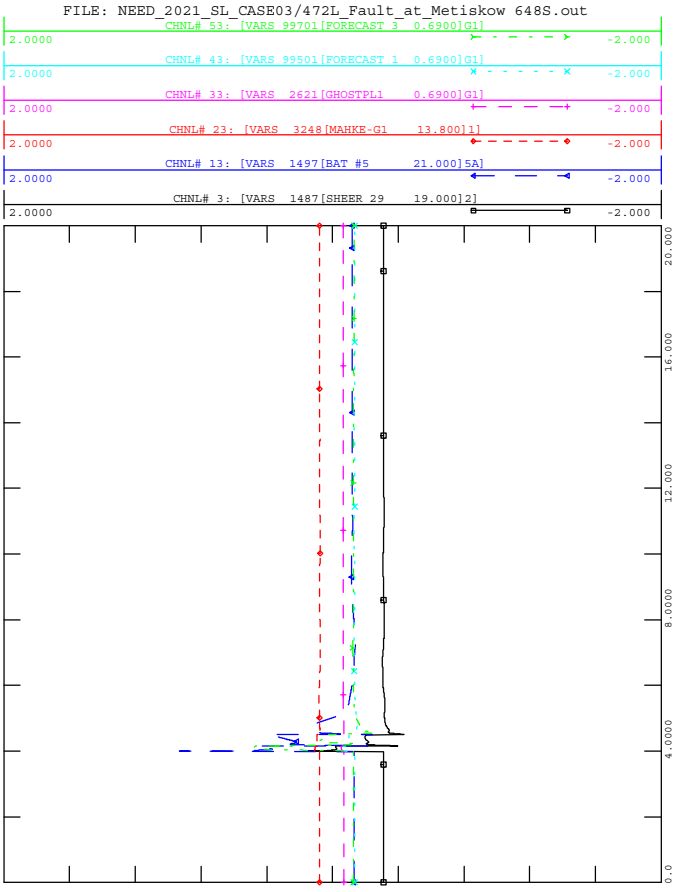


MON, NOV 21 2016 12:50

LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/472L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:50

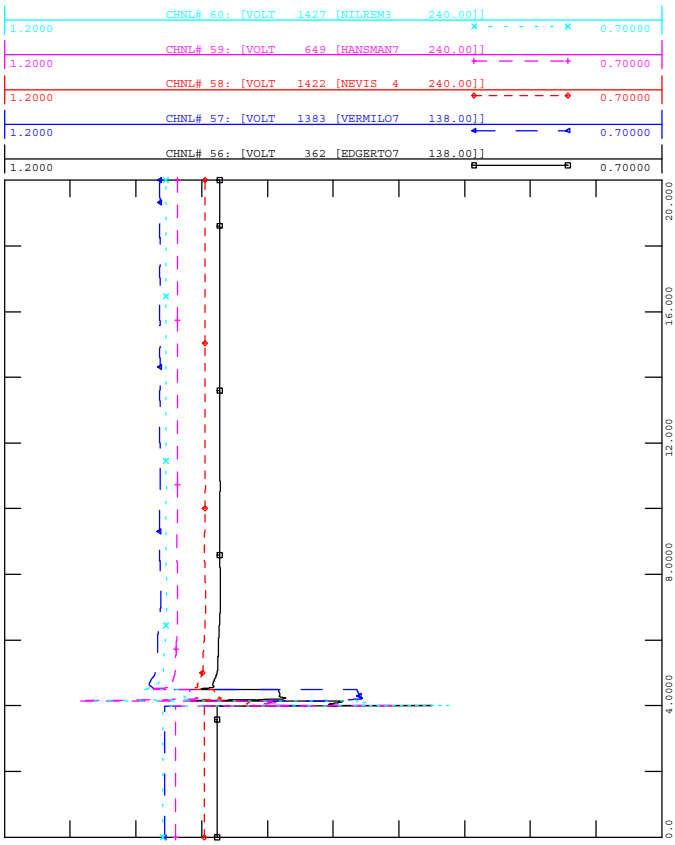
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

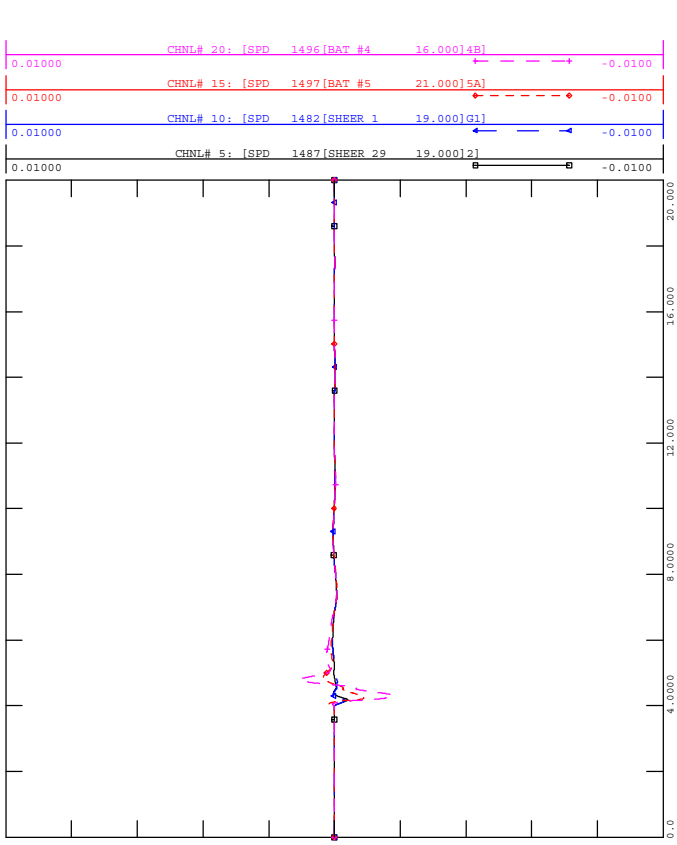


NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

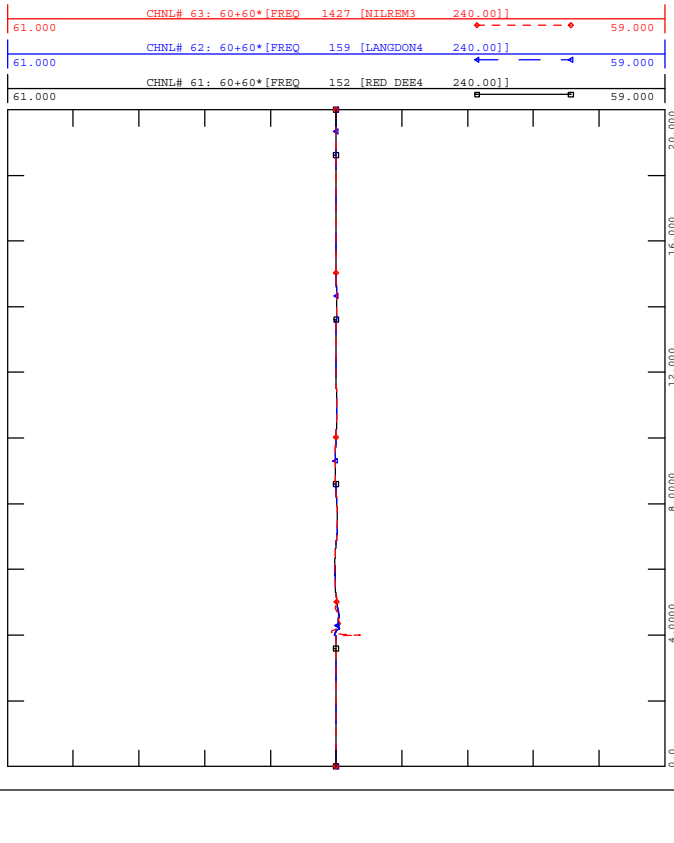


NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 12:50

FREQUENCY

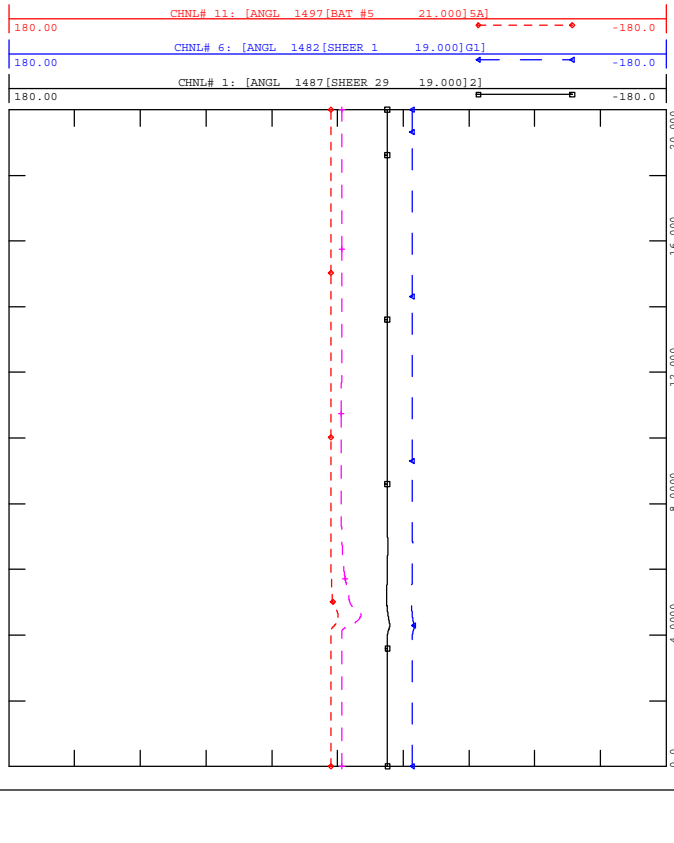


NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

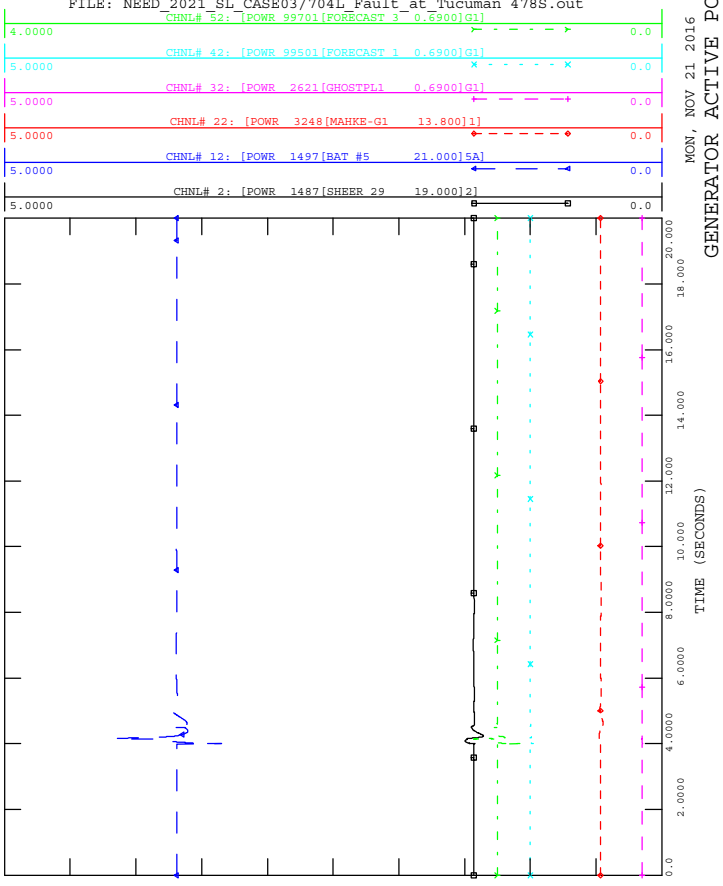
MON, NOV 21 2016 12:50

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

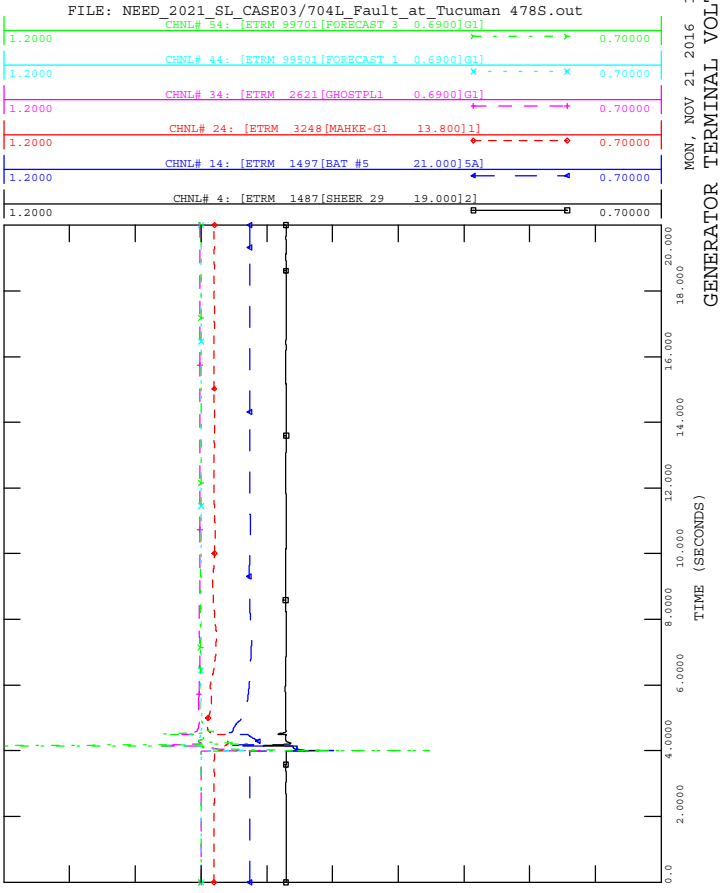


MON, NOV 21 2016 12:50

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

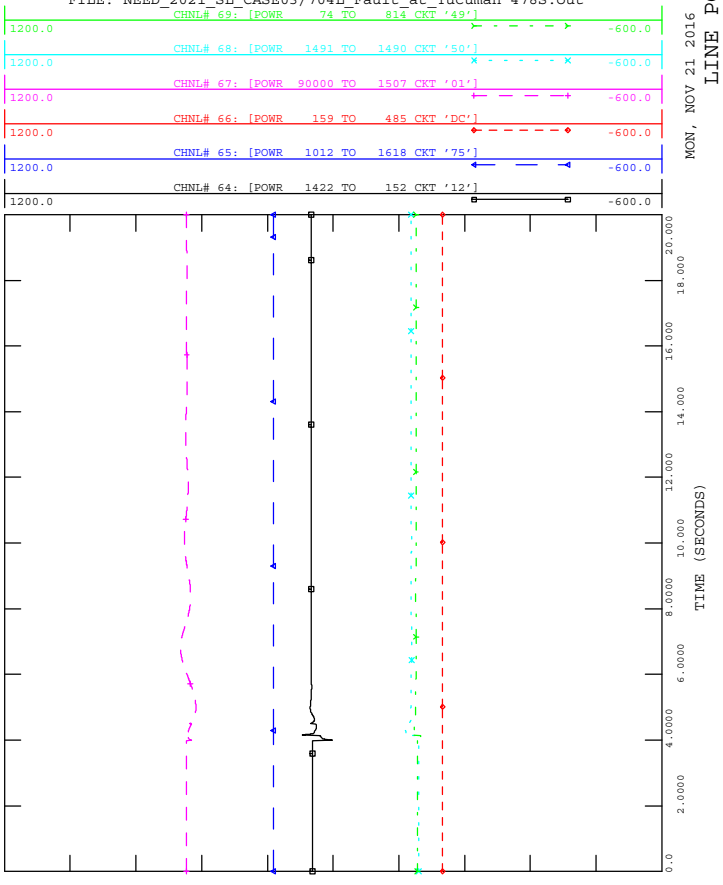


MON, NOV 21 2016 12:50

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out

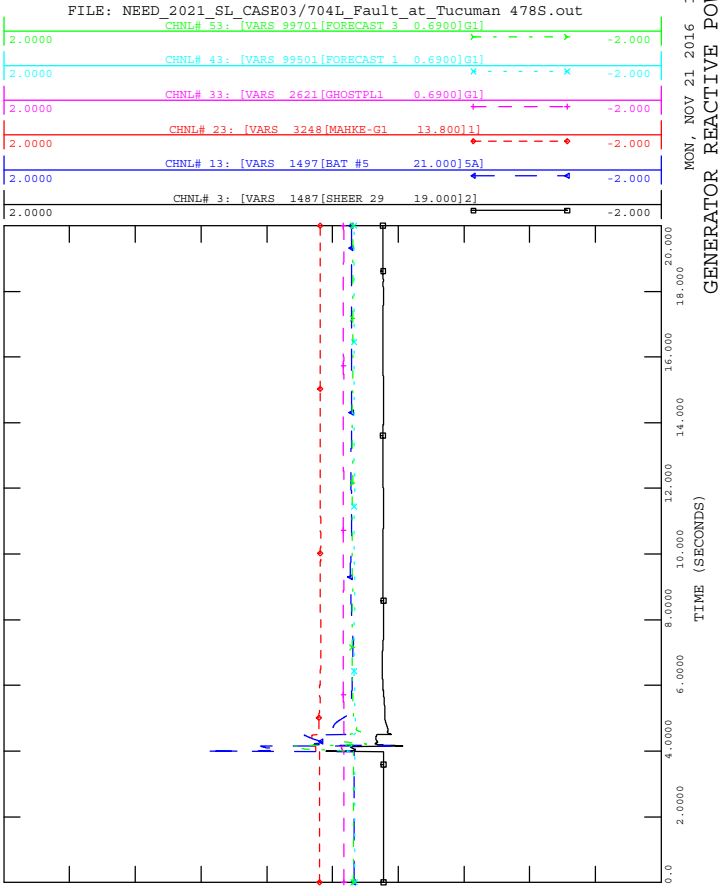


MON, NOV 21 2016 12:50

LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Tucuman 478S.out



MON, NOV 21 2016 12:50

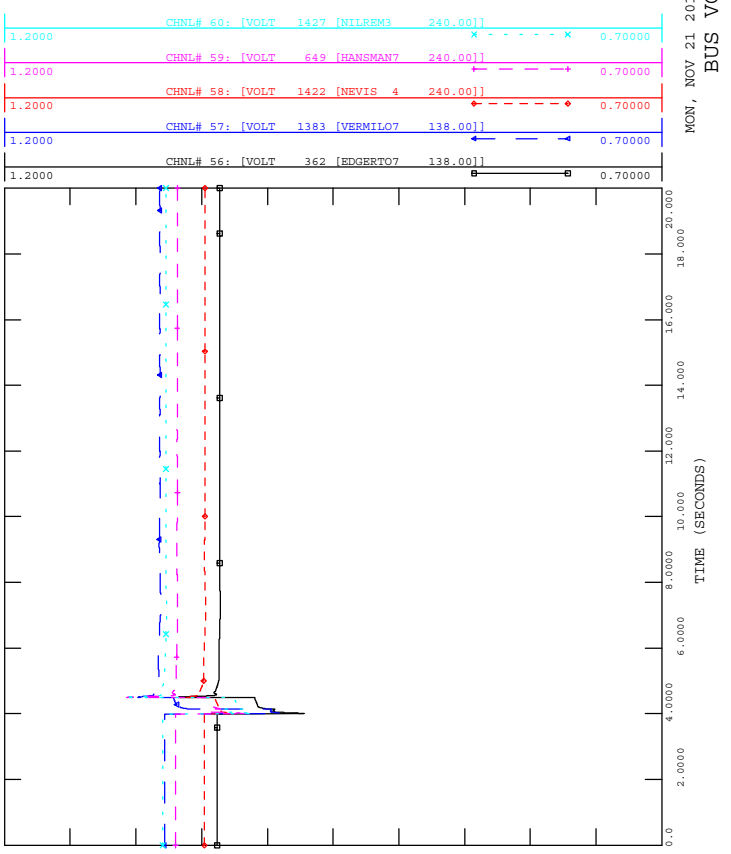
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

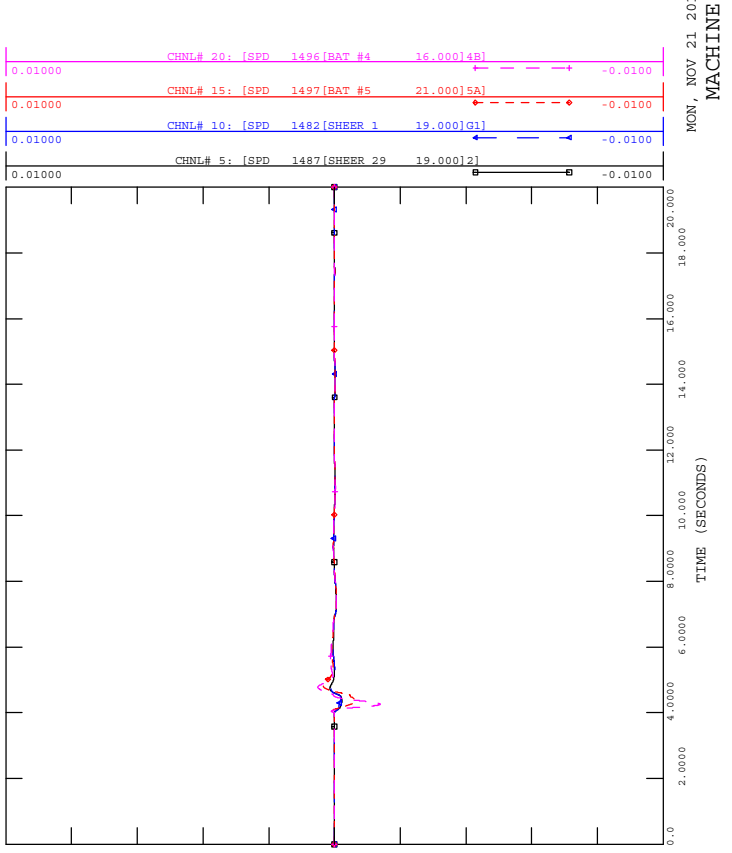


NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

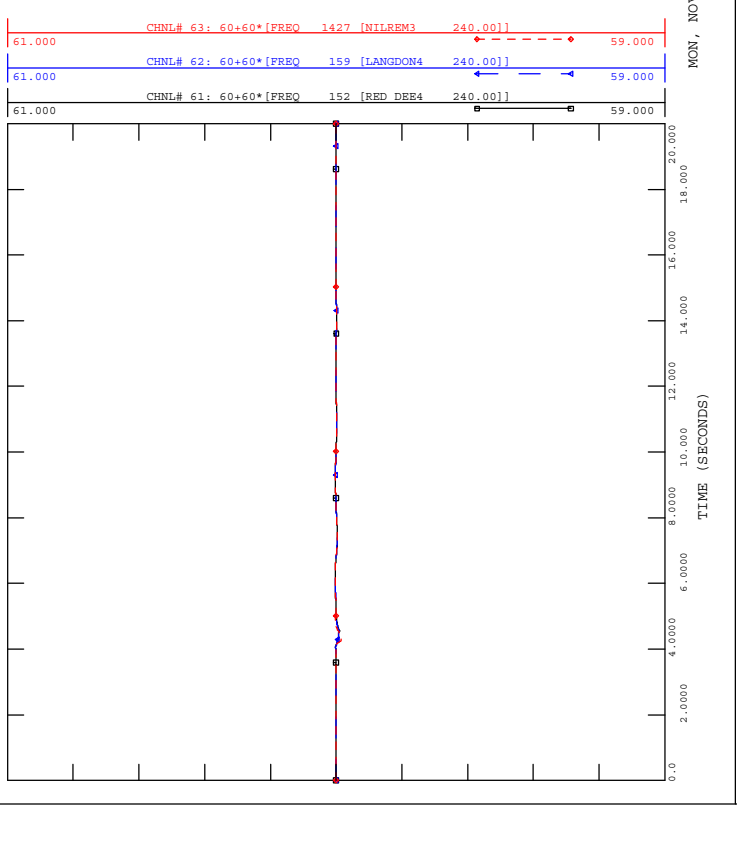


NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out

MON, NOV 21 2016 12:50

FREQUENCY

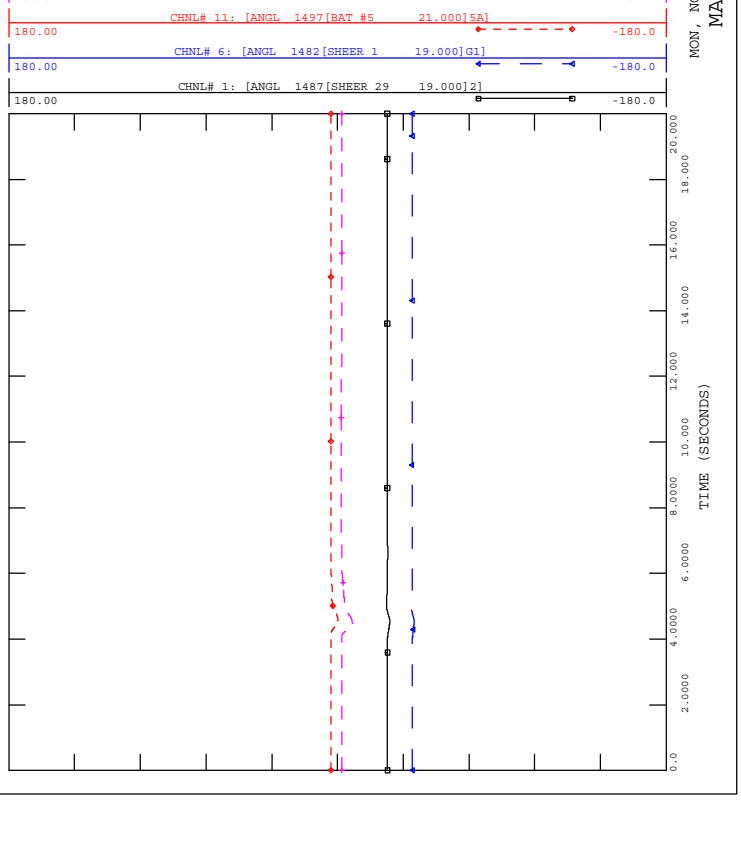


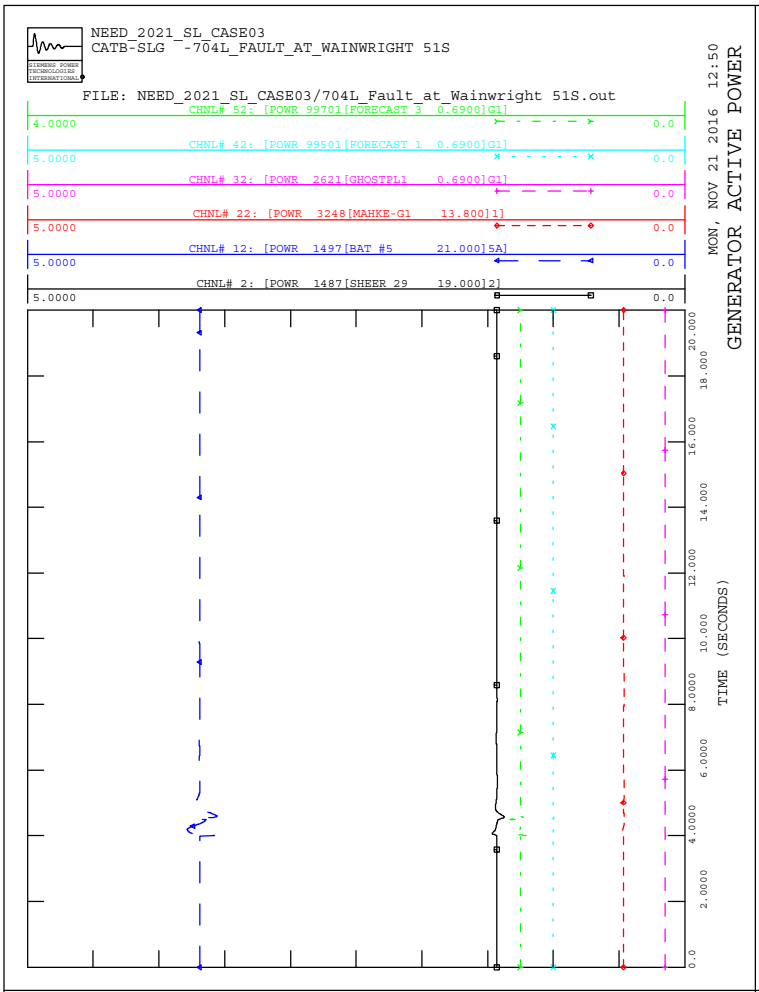
NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

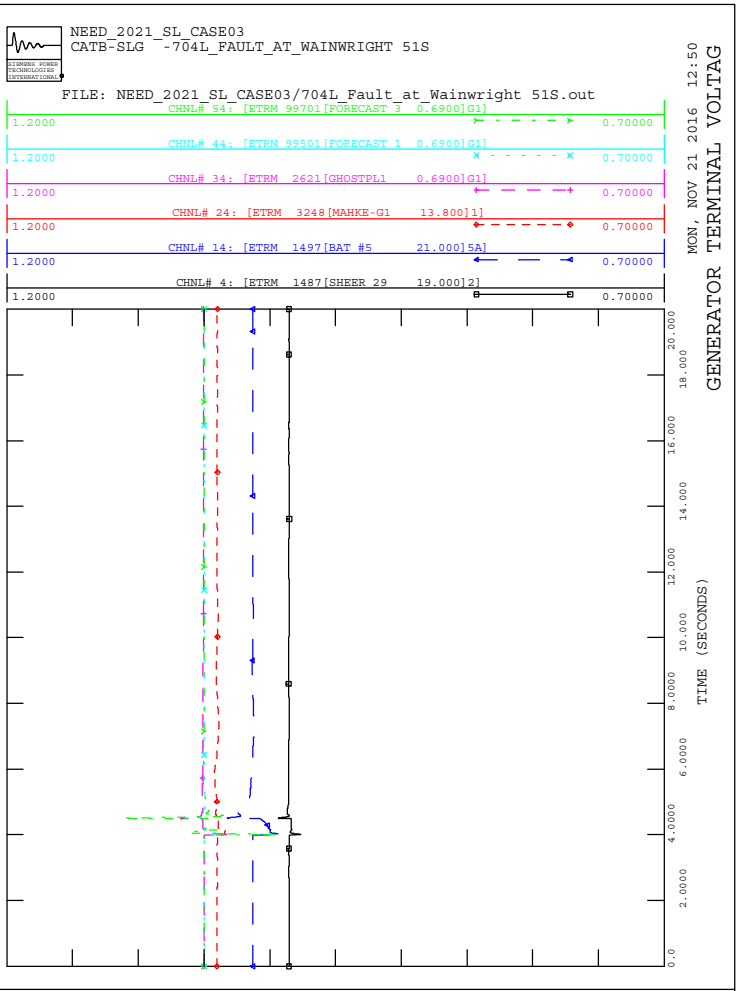
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out

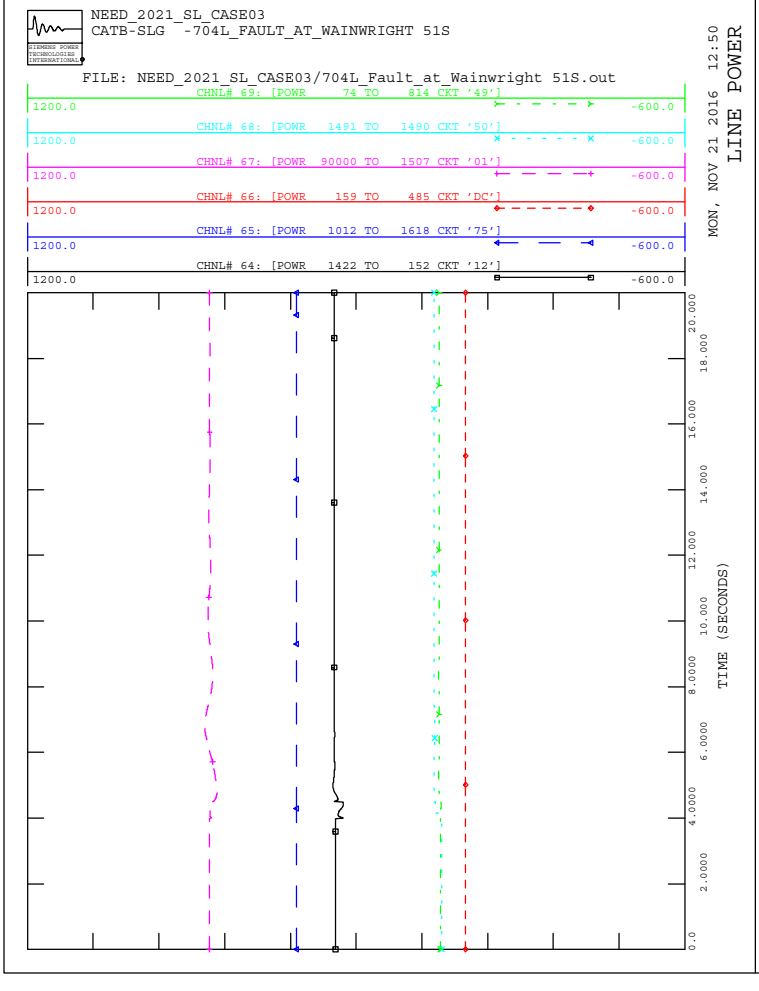
MON, NOV 21 2016 12:50

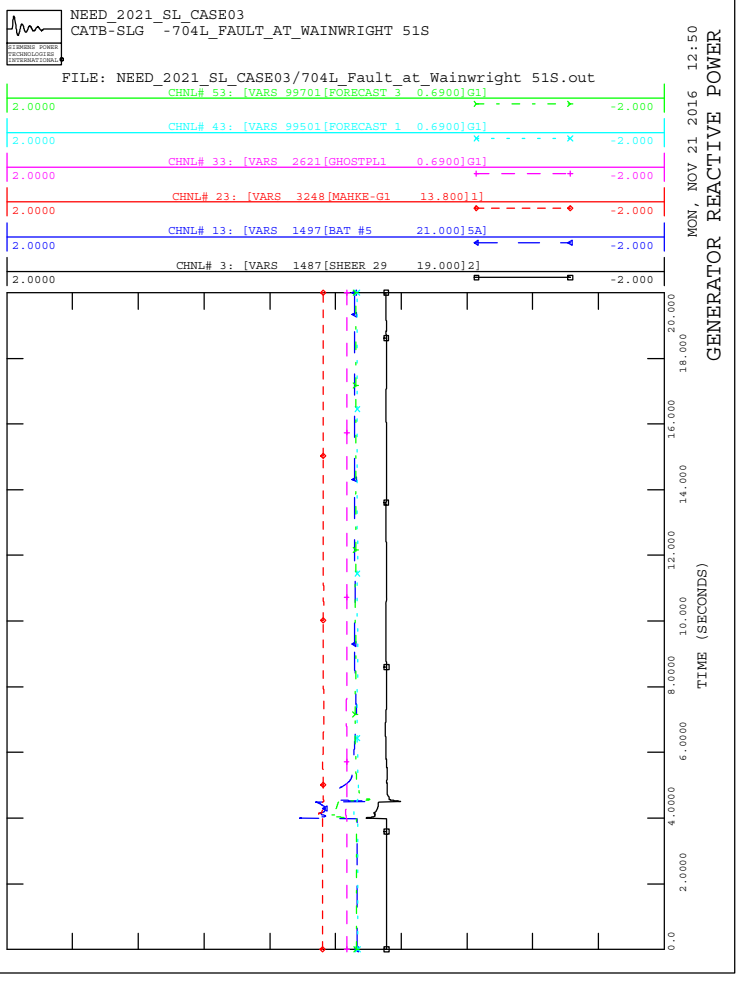
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:50
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)

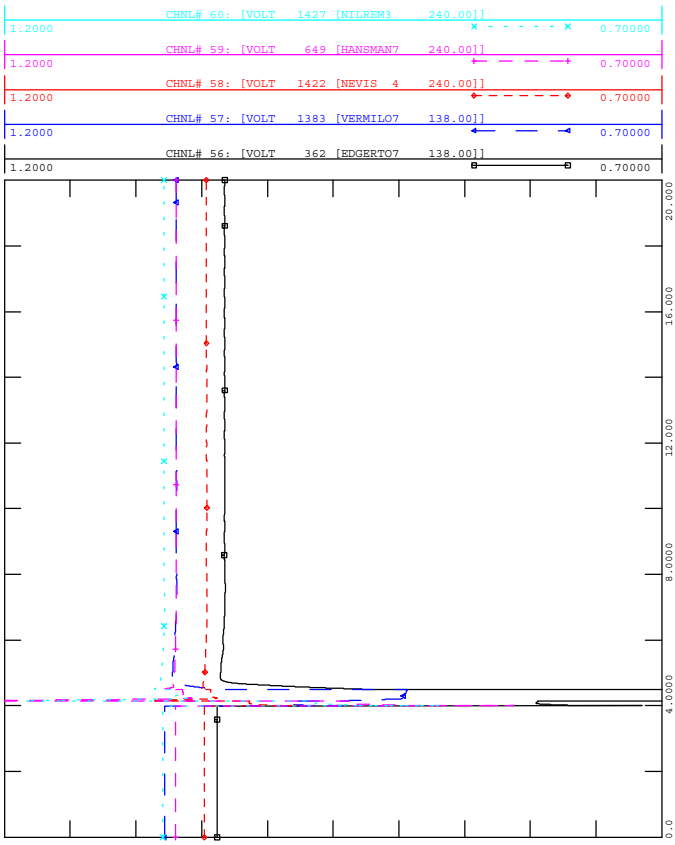

NEED_2021_SL_CASE03
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: NEED_2021_SL_CASE03/704L_Fault_at_Wainwright 51S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

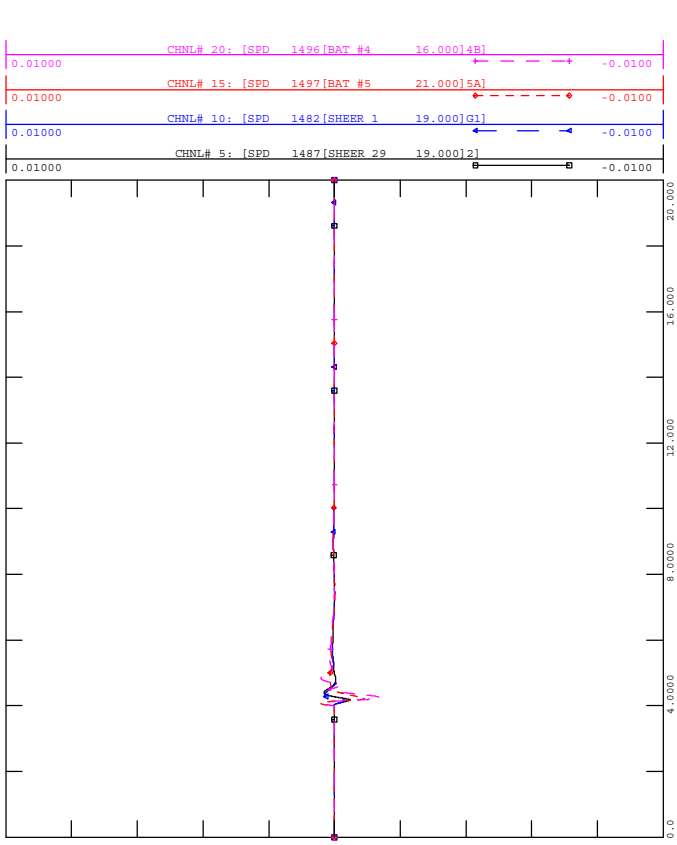


NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

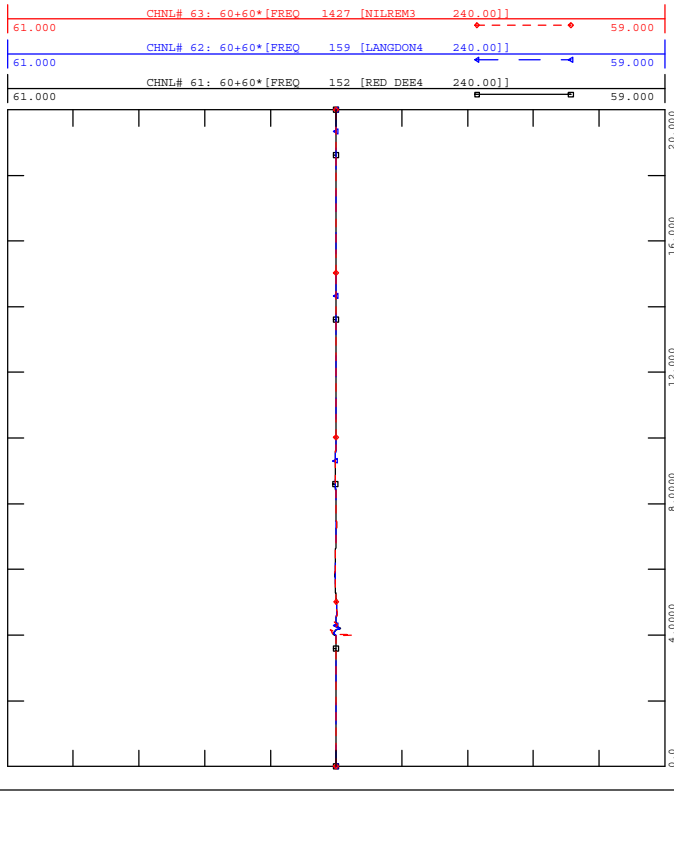


NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:50

FREQUENCY

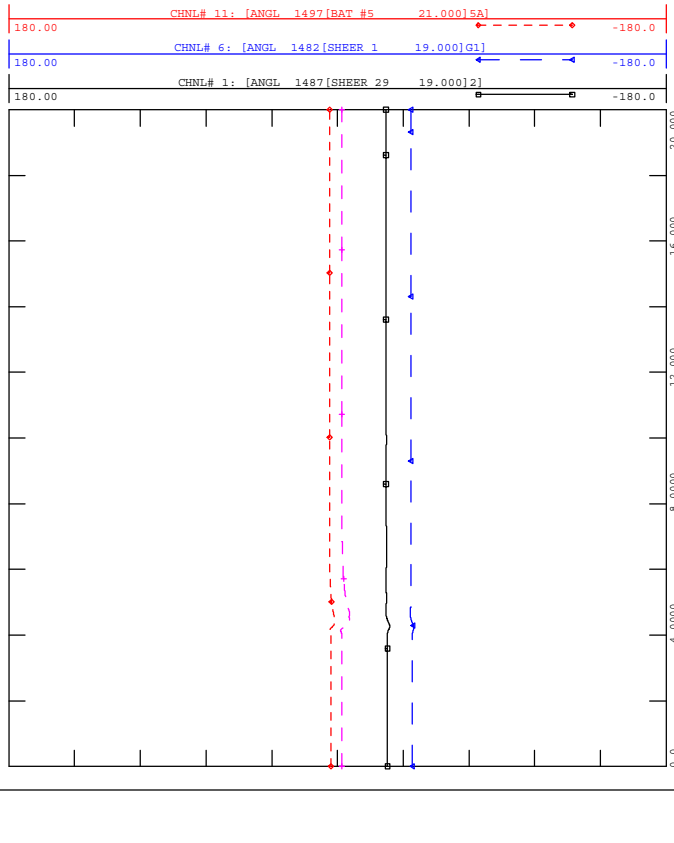


NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out

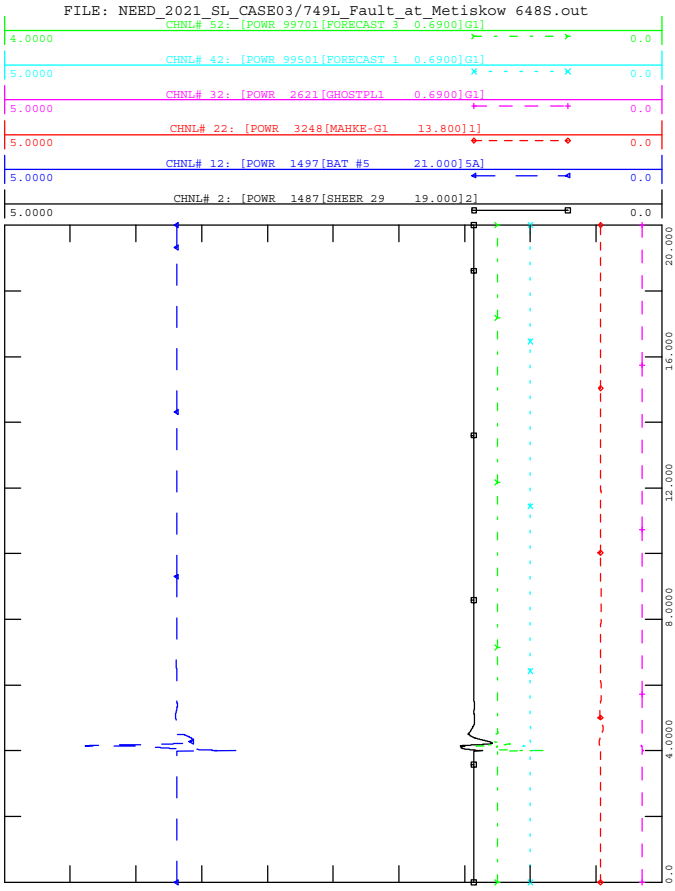
MON, NOV 21 2016 12:50

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_METISKOW 648S

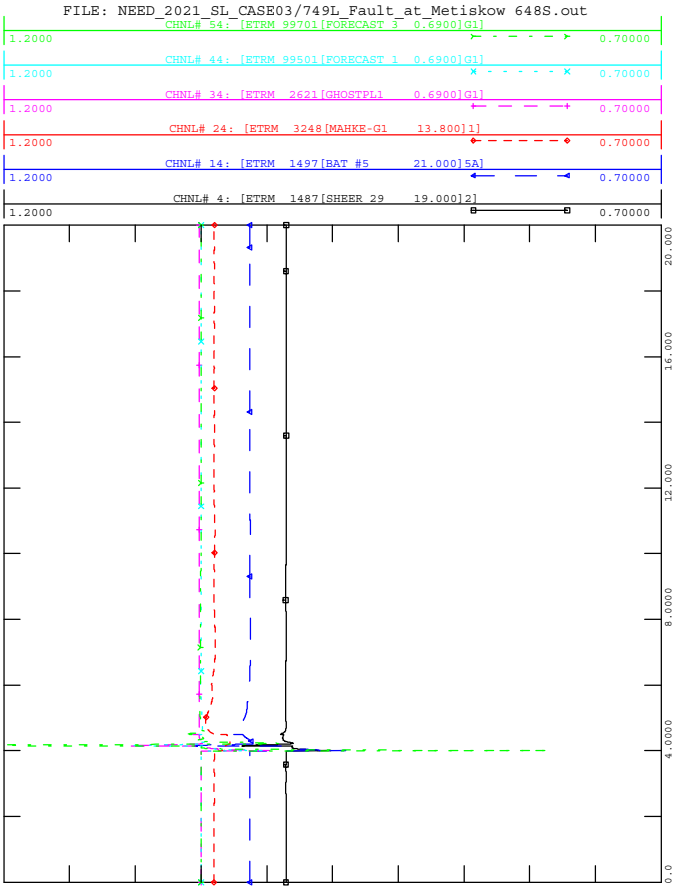
FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:50
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_METISKOW 648S

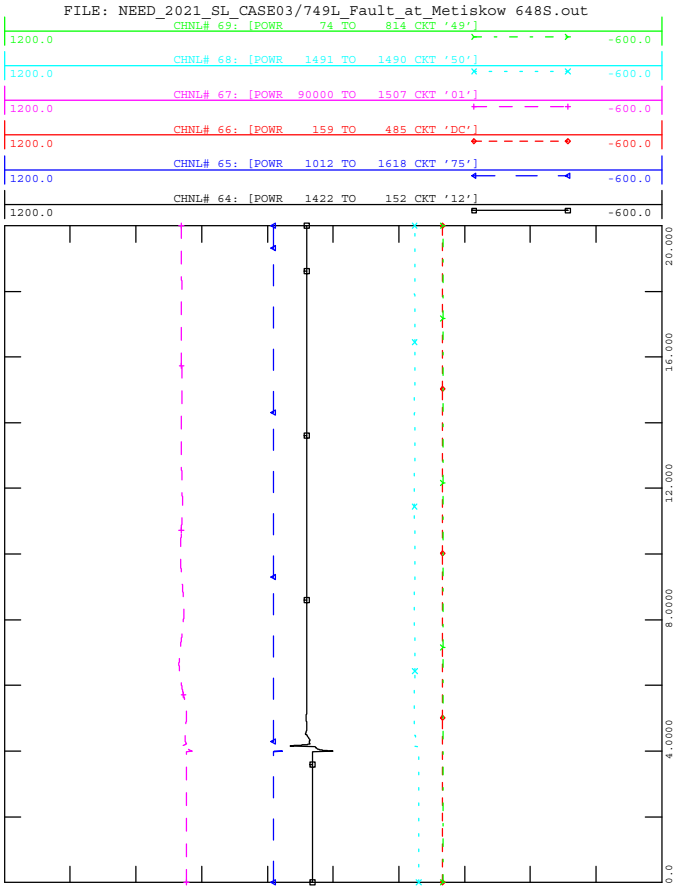
FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:50
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_METISKOW 648S

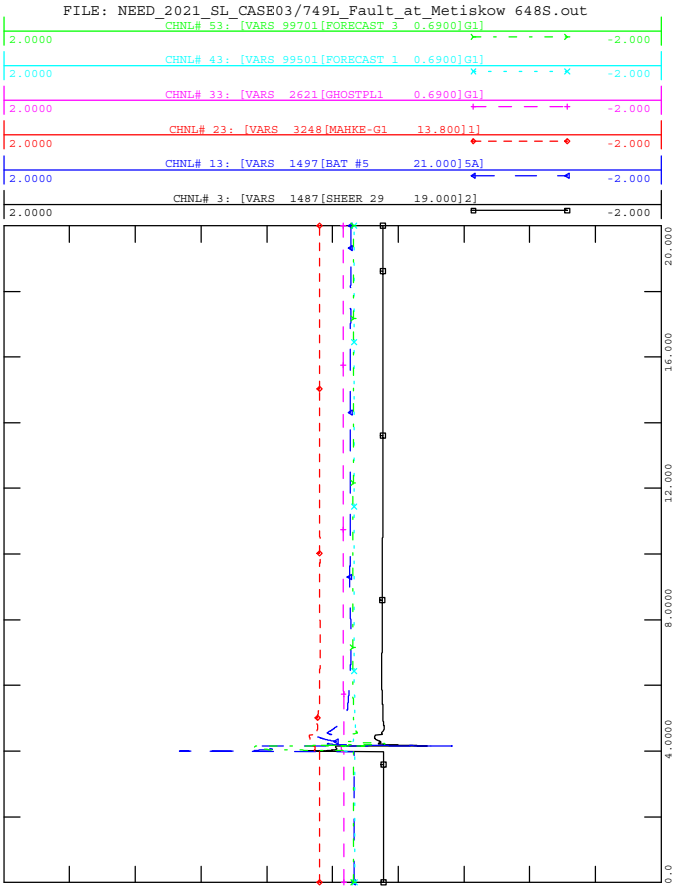
FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:50
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Metiskow 648S.out



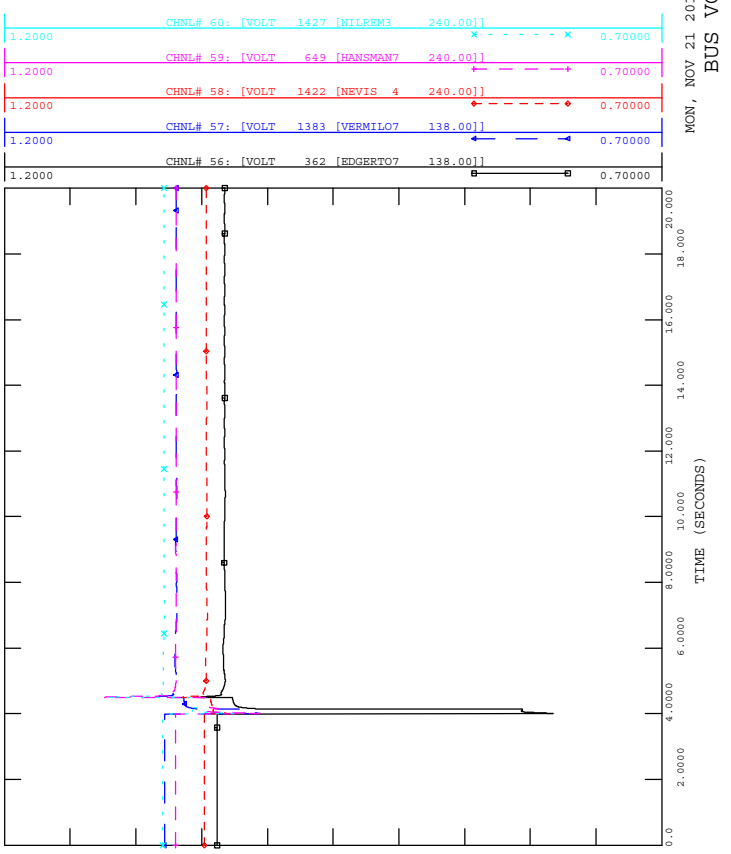
MON, NOV 21 2016 12:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

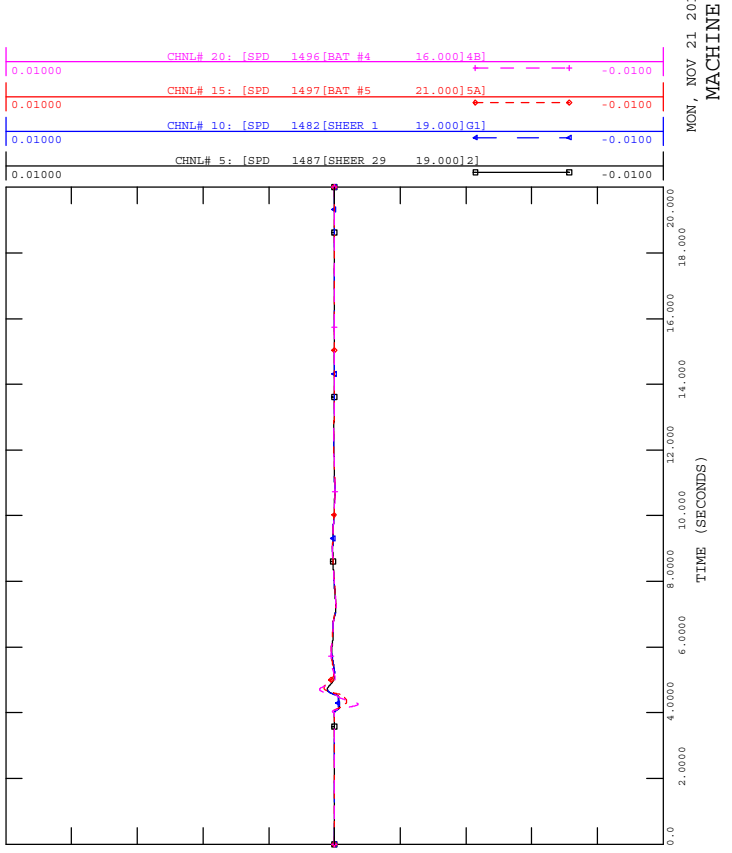


NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

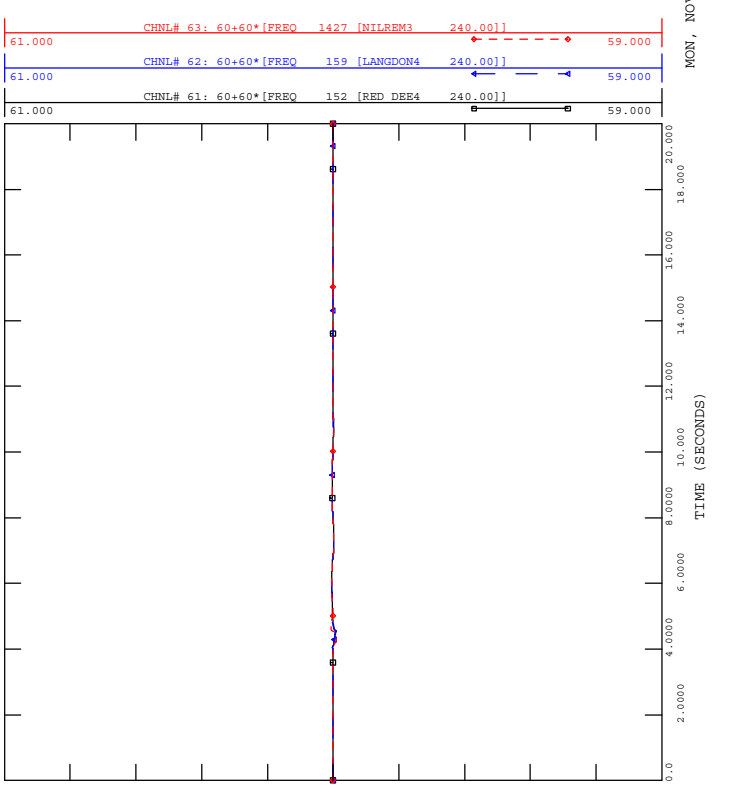


NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

MON, NOV 21 2016 12:50

FREQUENCY

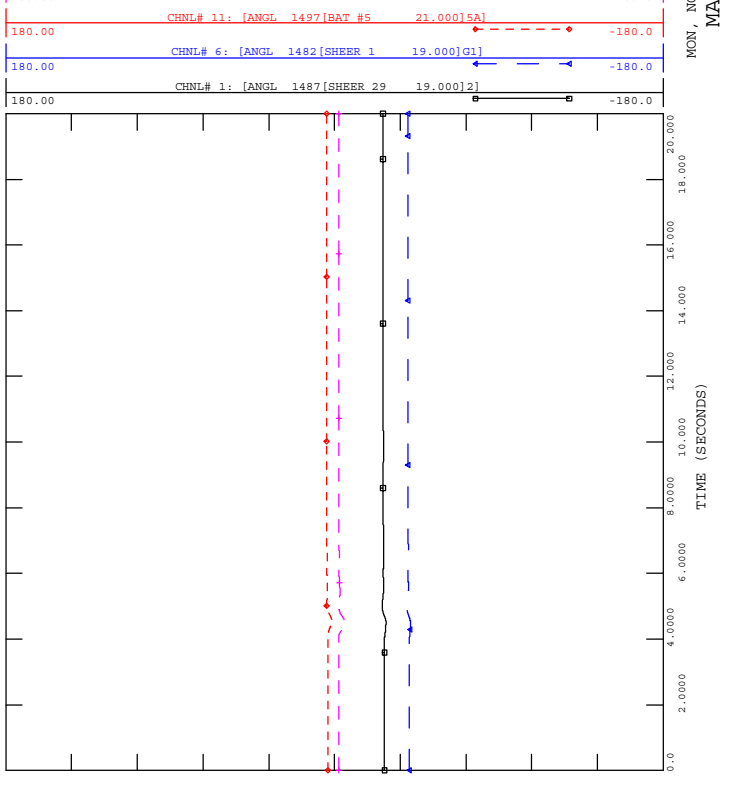


NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

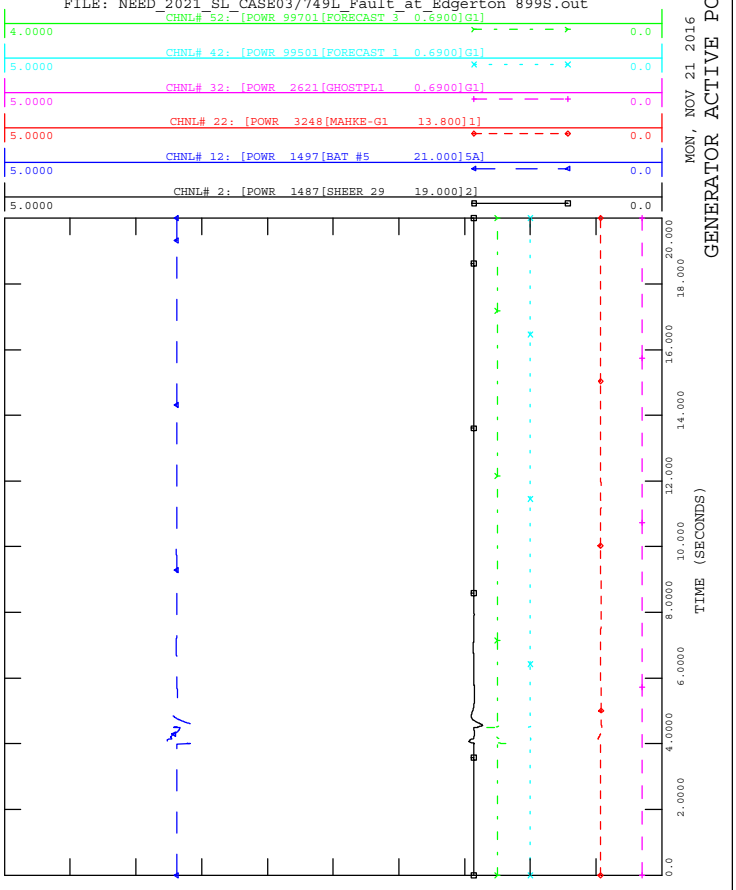
MON, NOV 21 2016 12:50

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

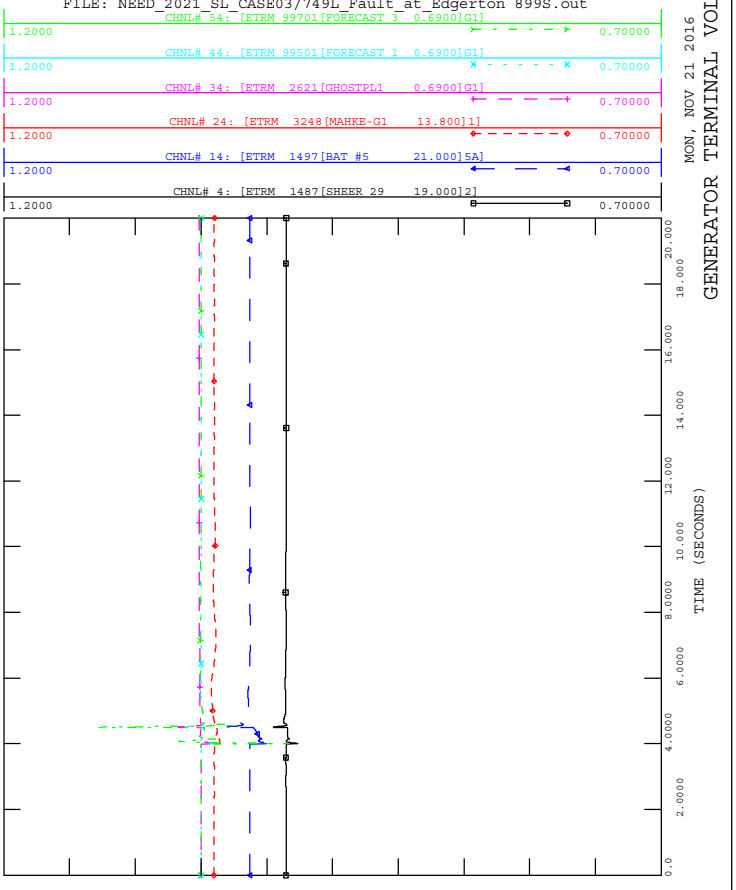


MON, NOV 21 2016 12:50

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

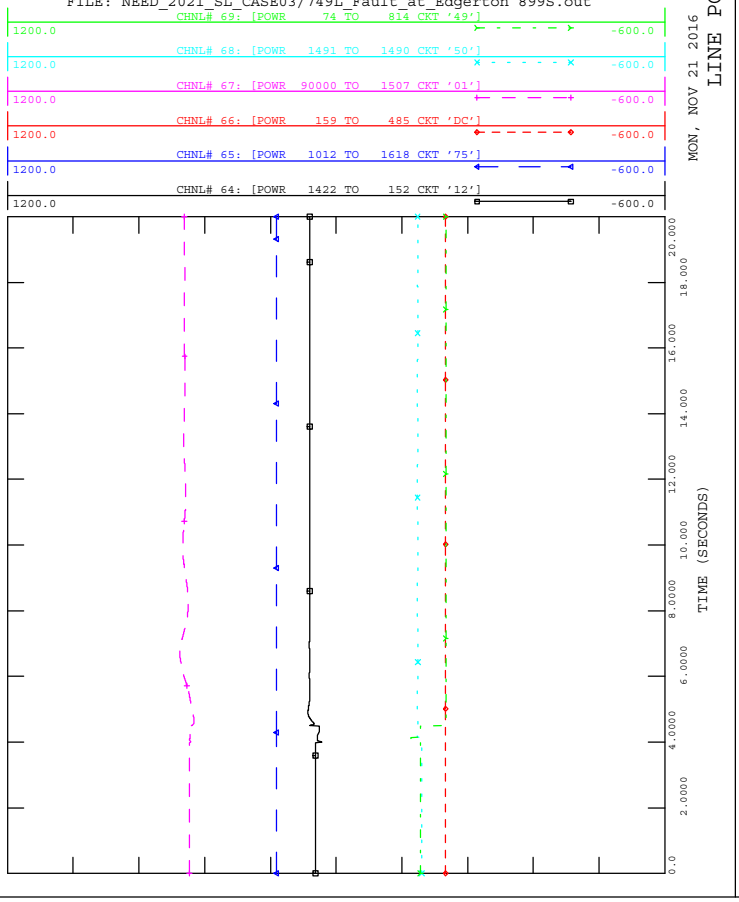


MON, NOV 21 2016 12:50

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

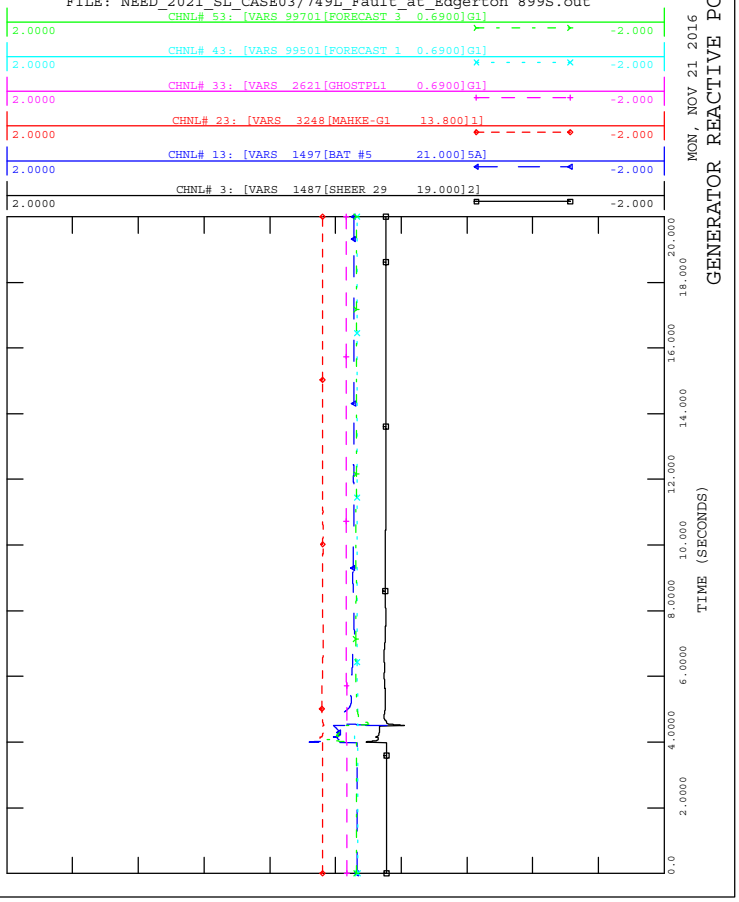


MON, NOV 21 2016 12:50

LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_SL_CASE03/749L_Fault_at_Edgerton 899S.out

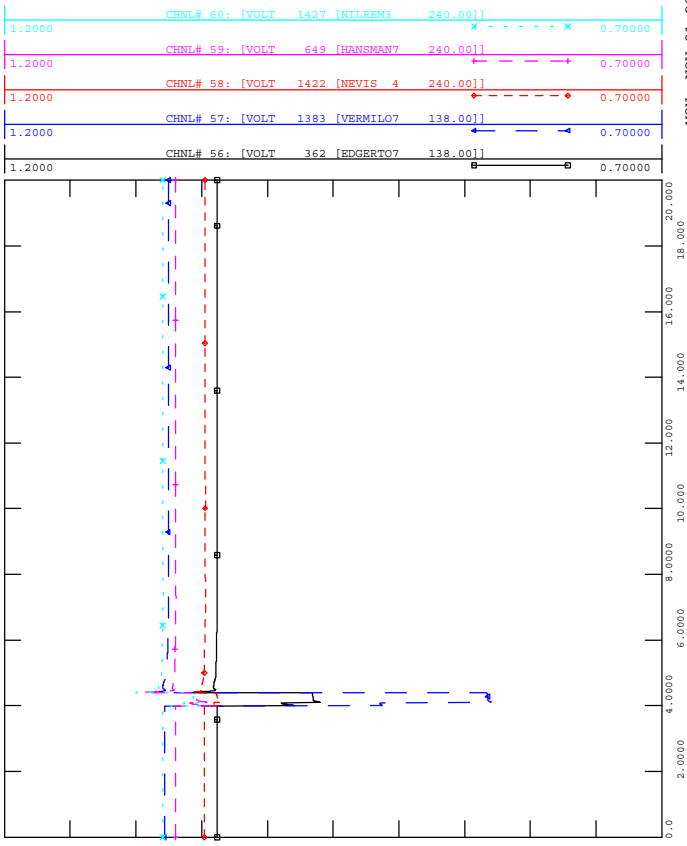


MON, NOV 21 2016 12:50

GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out

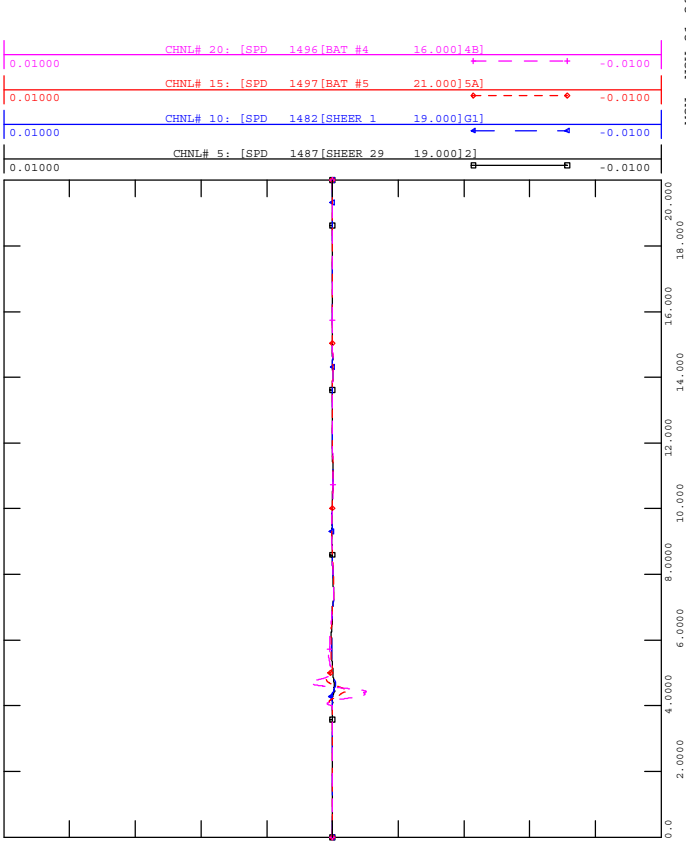


MON, NOV 21 2016 12:50

BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out

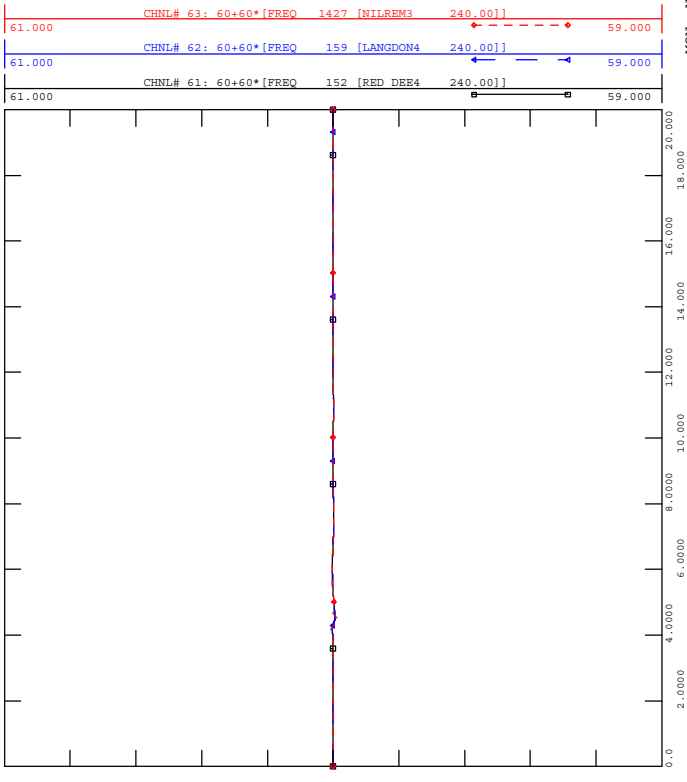


MON, NOV 21 2016 12:50

MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out

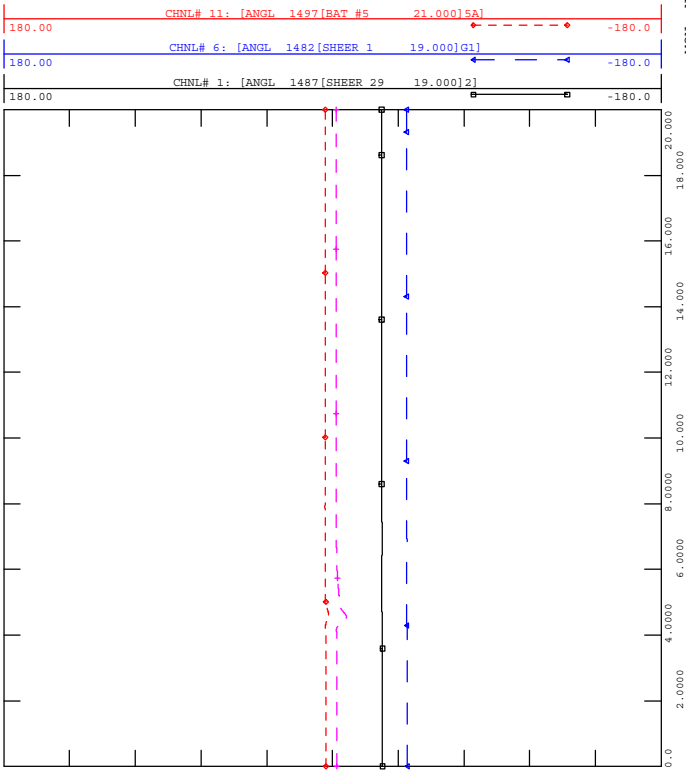


MON, NOV 21 2016 12:50

FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out

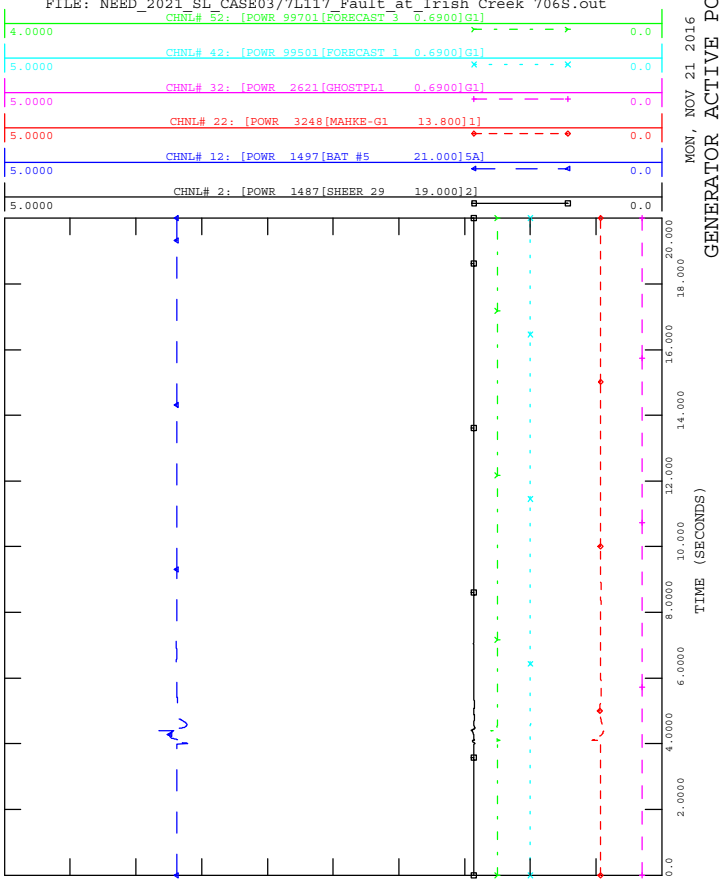


MON, NOV 21 2016 12:50

MACHINE ANGEL

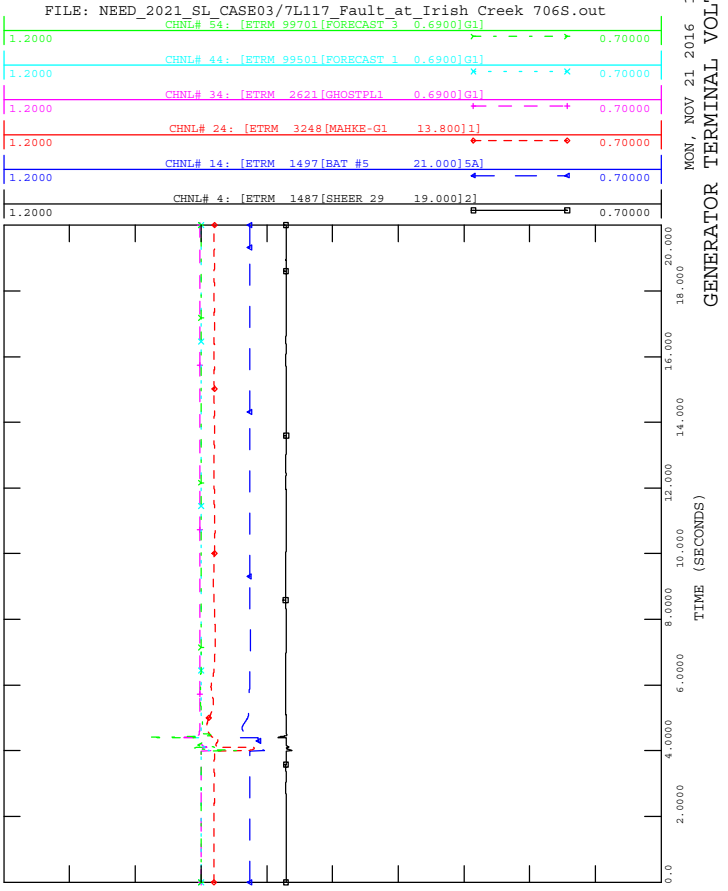
NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out



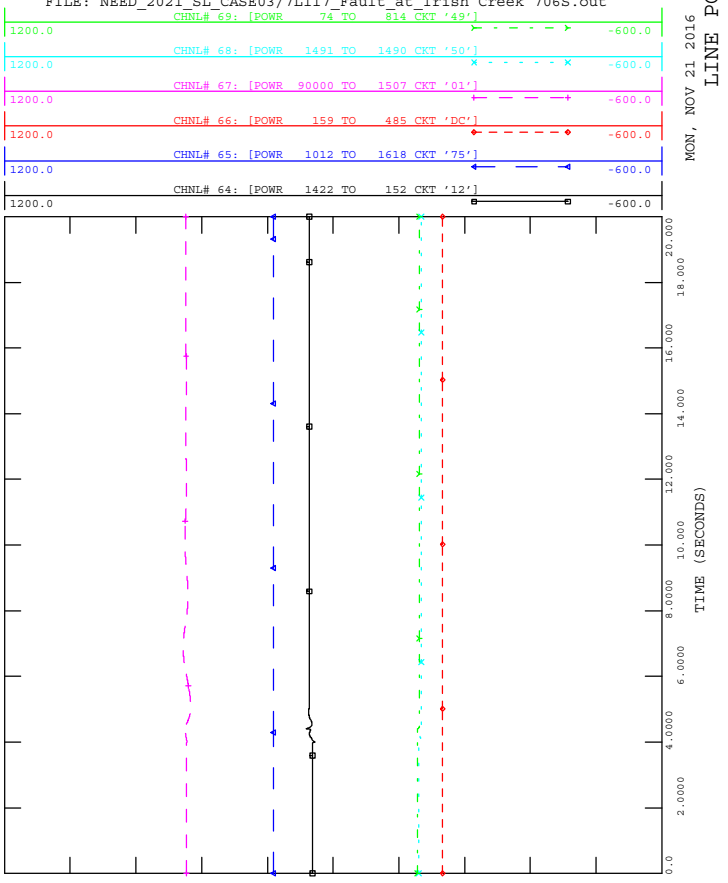
NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out



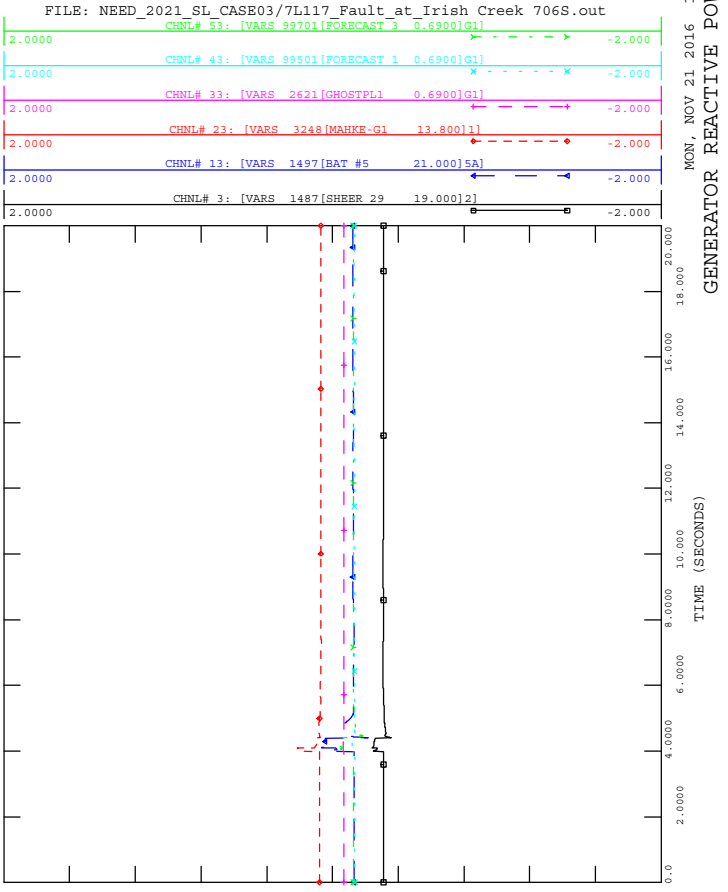
NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out



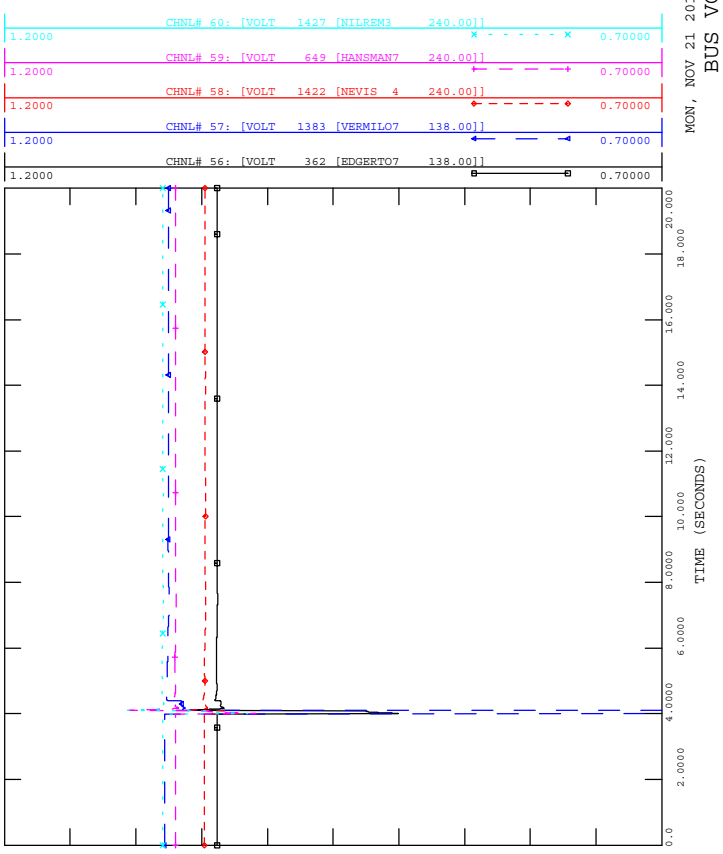
NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Irish Creek 706S.out



NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

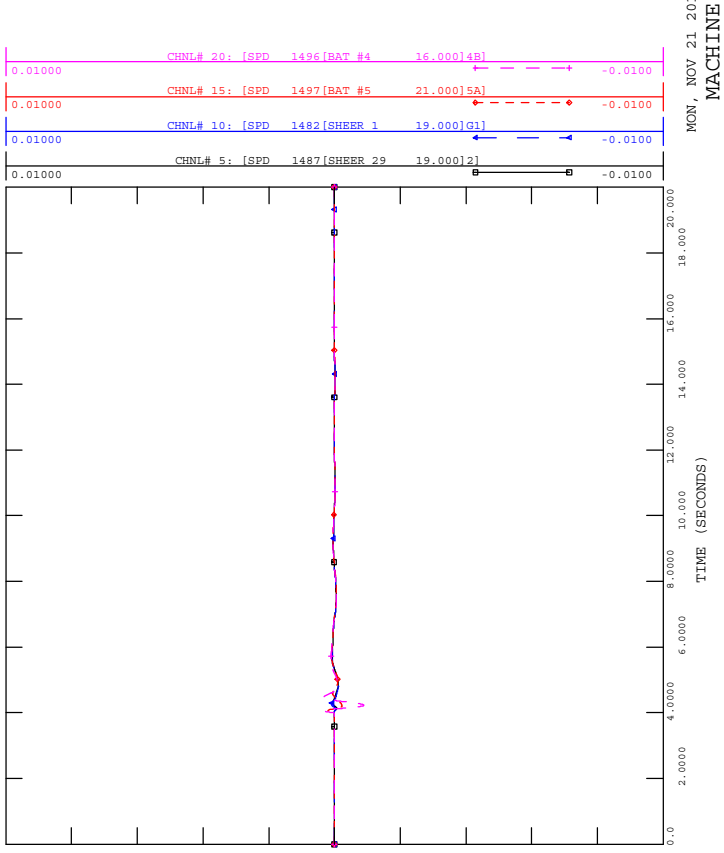
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 12:50
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

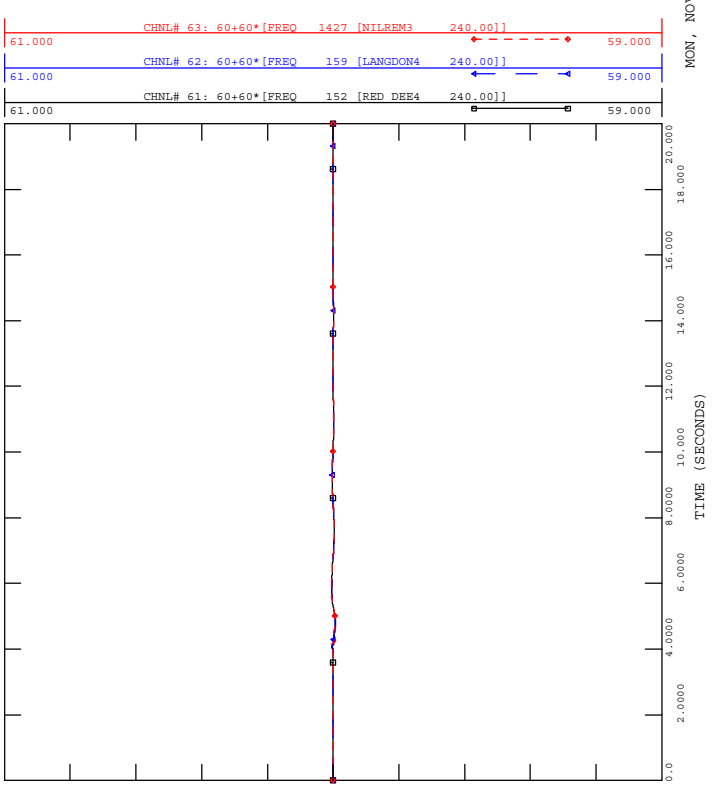
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 12:50
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

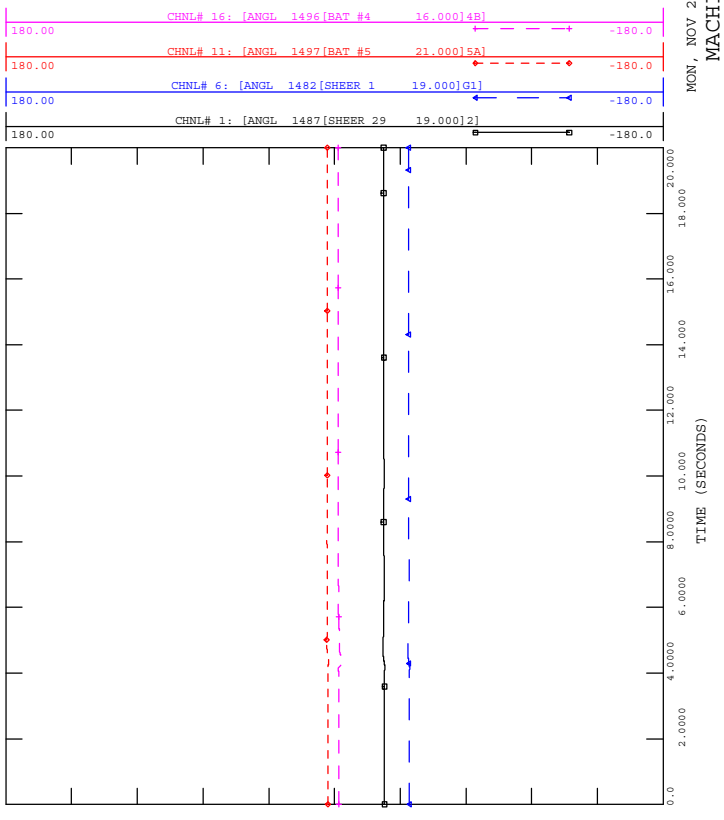
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 12:50
FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

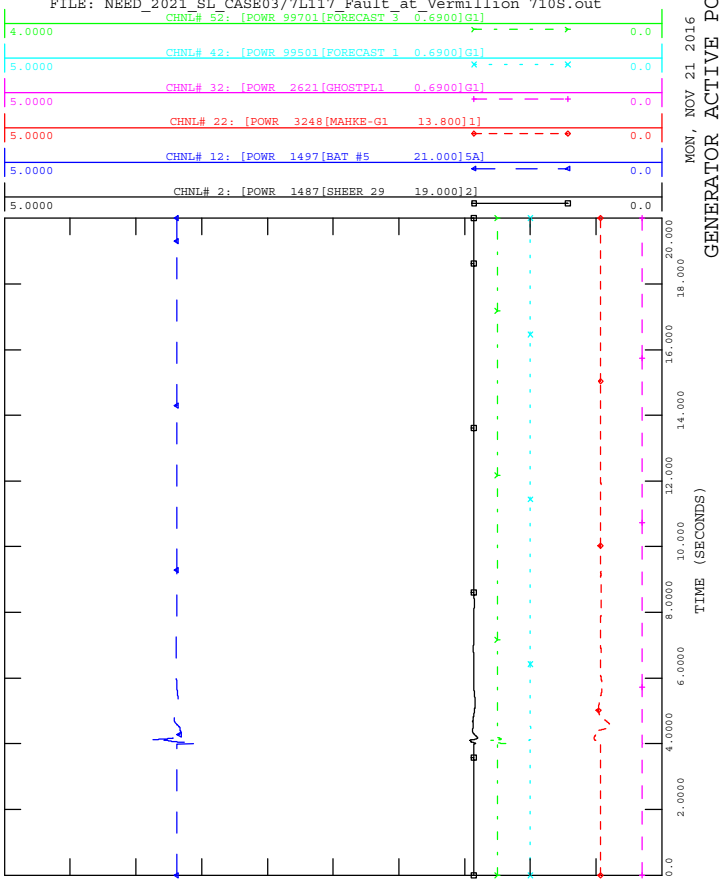
FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 12:50
MACHINE ANGEL

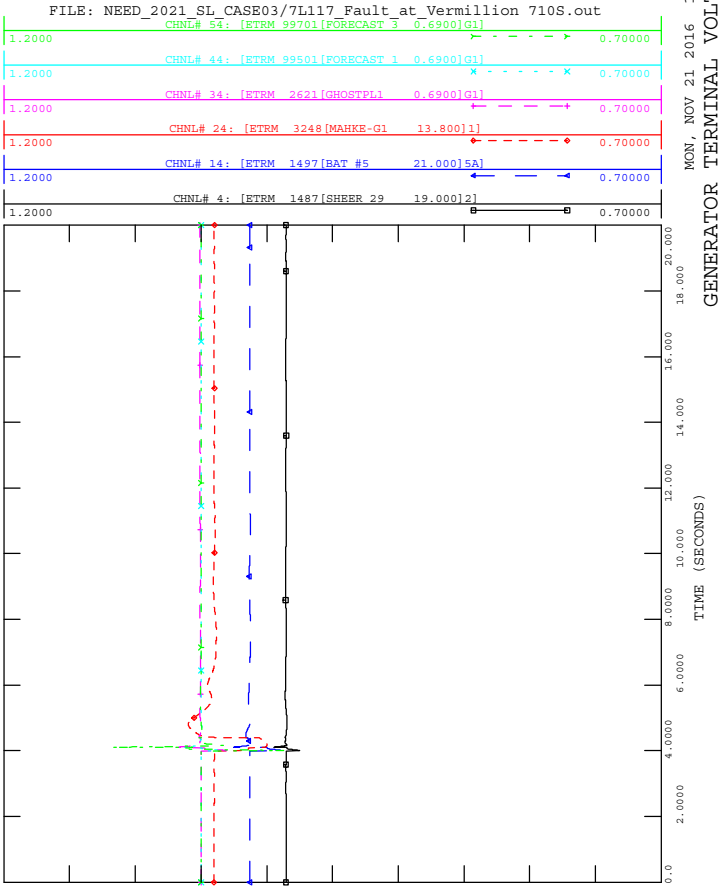
NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out



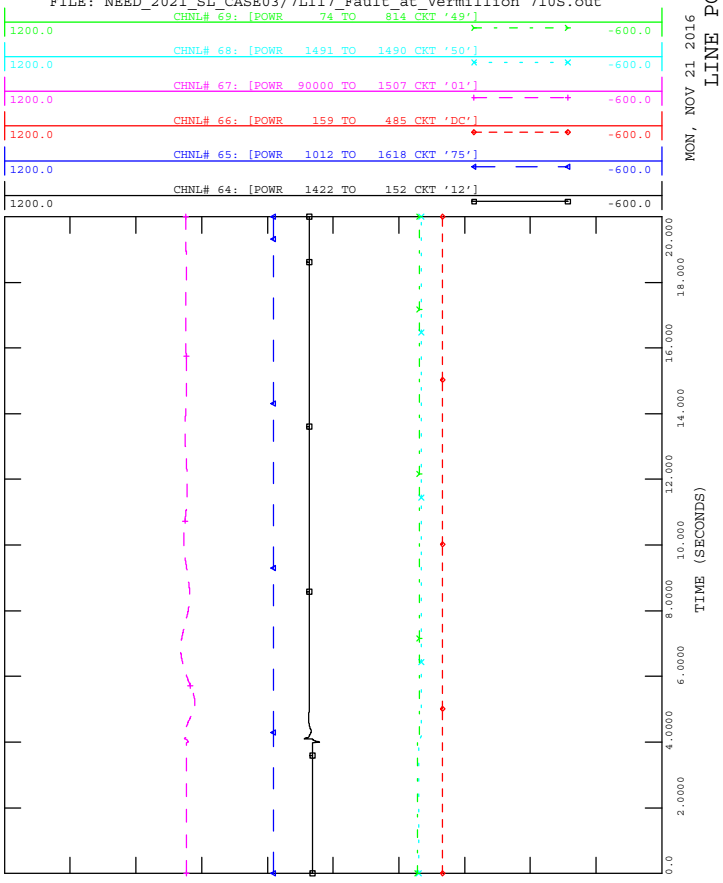
NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out



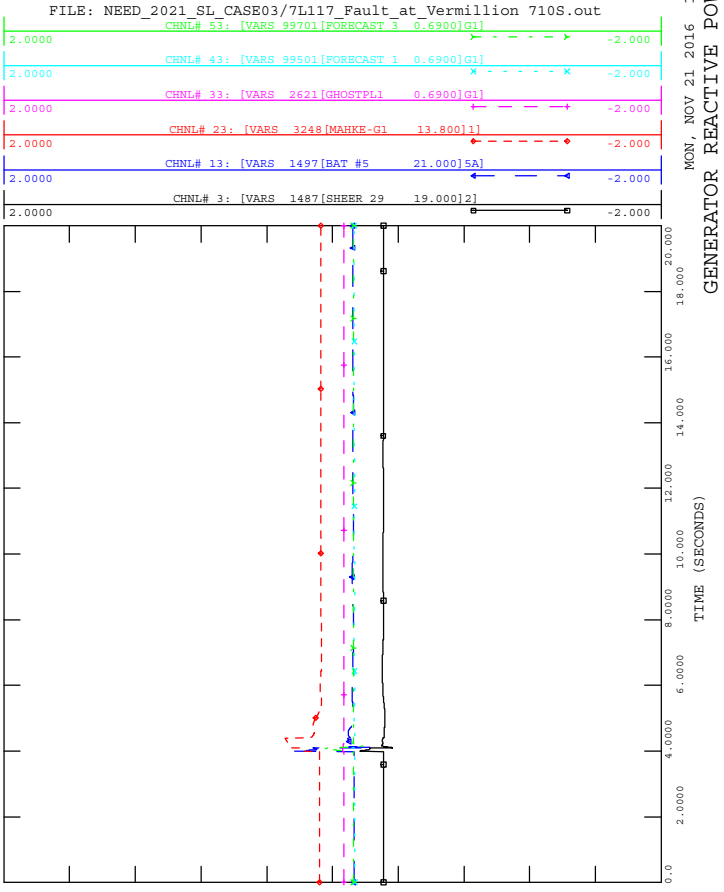
NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out



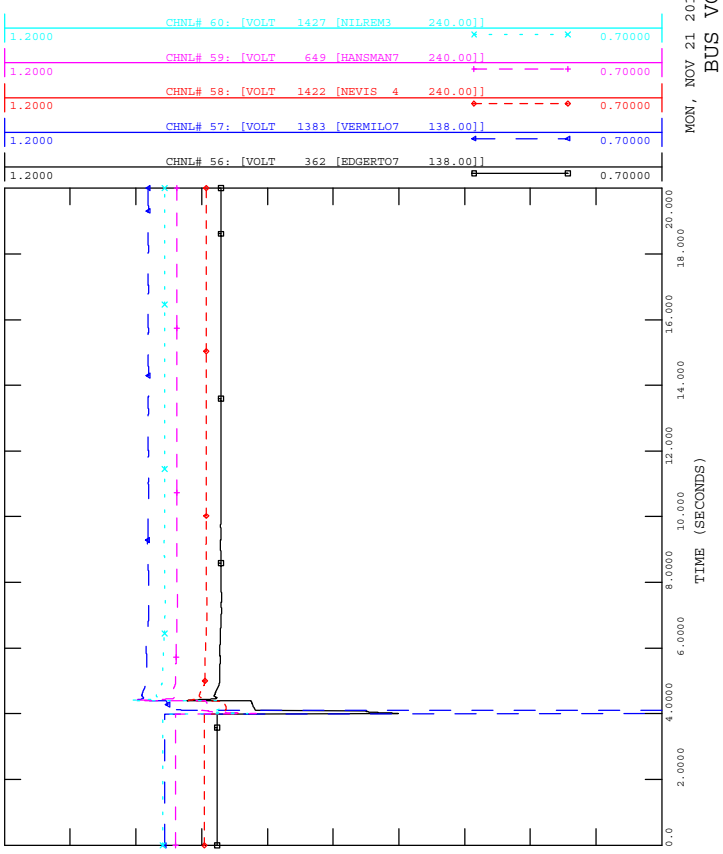
NEED_2021_SL_CASE03
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L117_Fault_at_Vermillion 710S.out



NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out

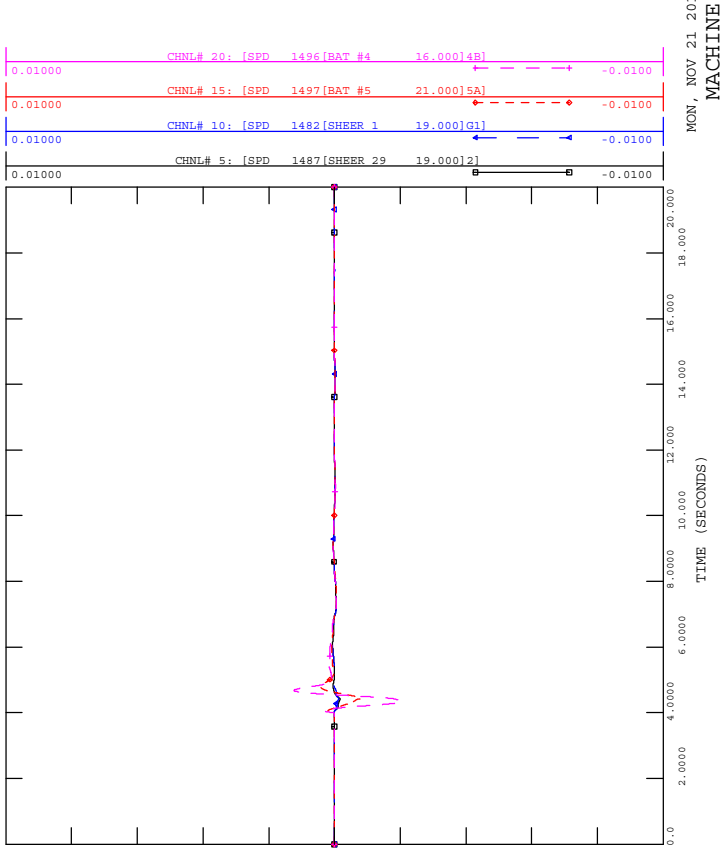


MON, NOV 21 2016 12:50

BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out

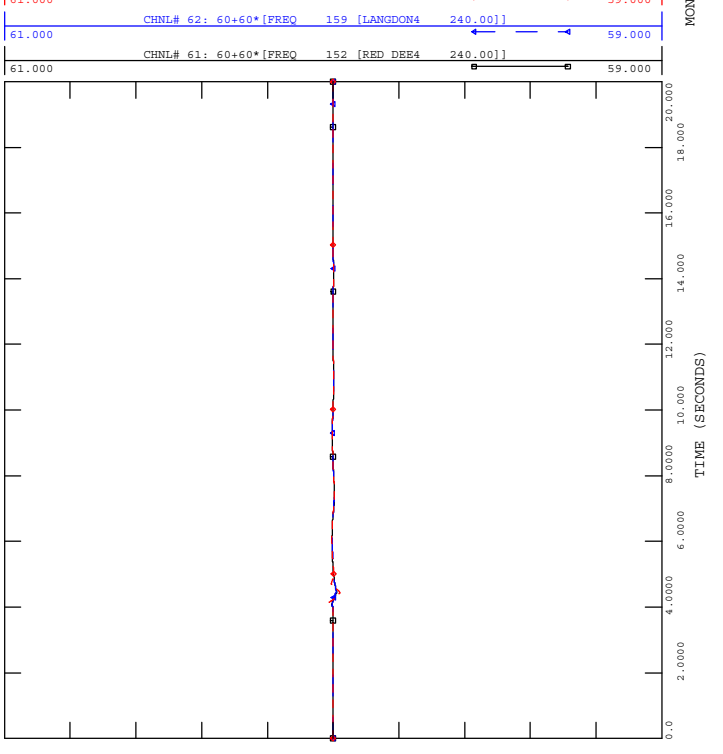


MON, NOV 21 2016 12:50

MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out

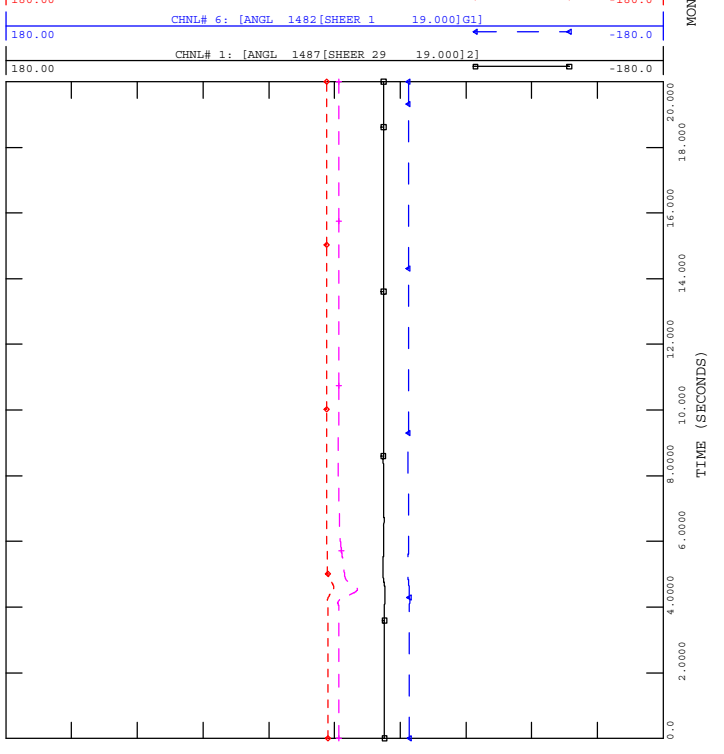


MON, NOV 21 2016 12:50

FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out

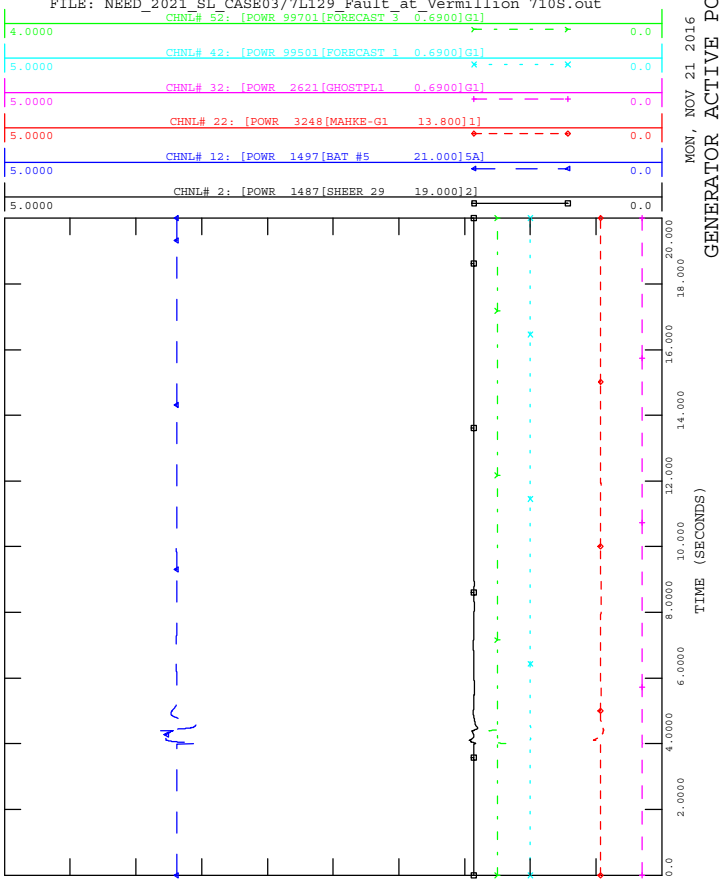


MON, NOV 21 2016 12:50

MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

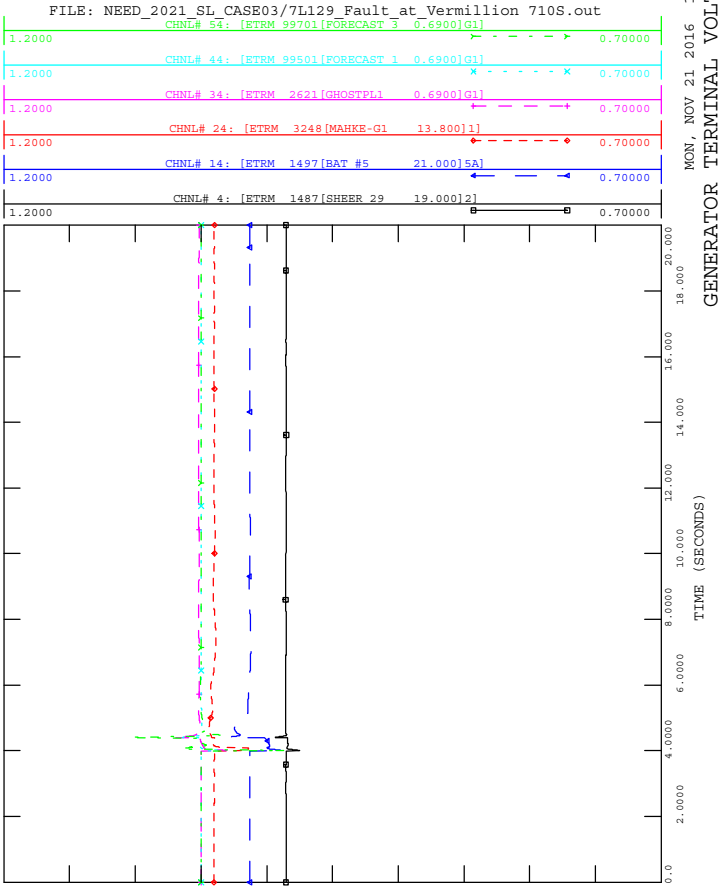
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:50

NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

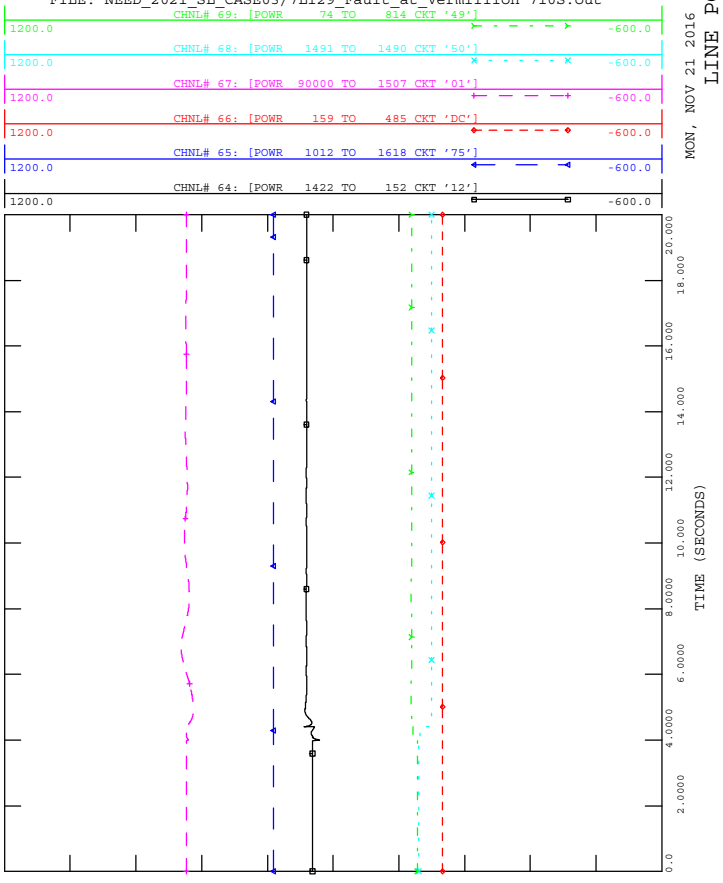
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:50

NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

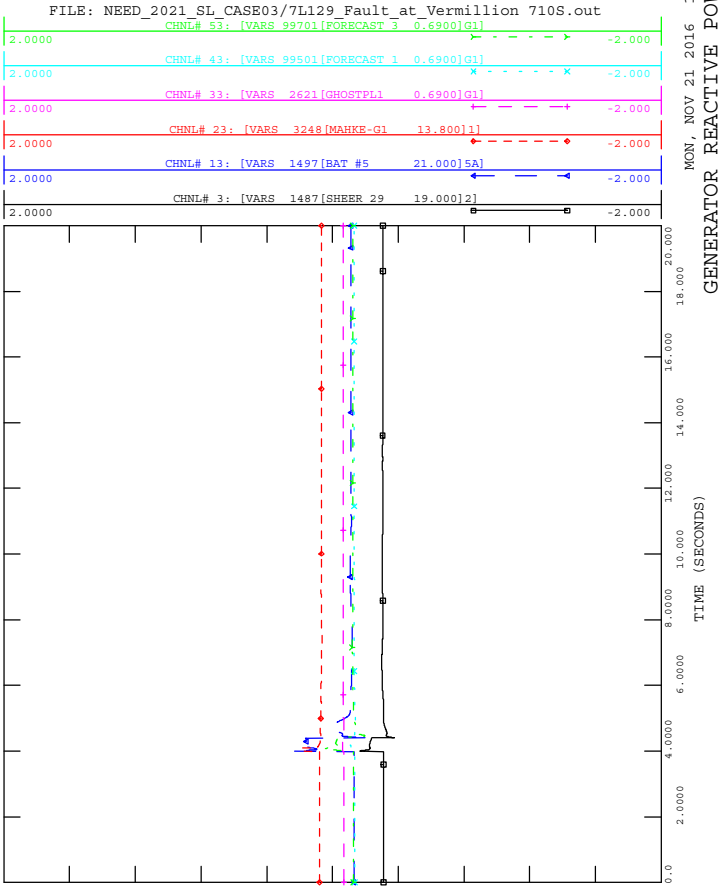
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out



LINE POWER
MON, NOV 21 2016 12:50

NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Vermillion 710S.out



GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:50

NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1383 [VERMILO7 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 12:50

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

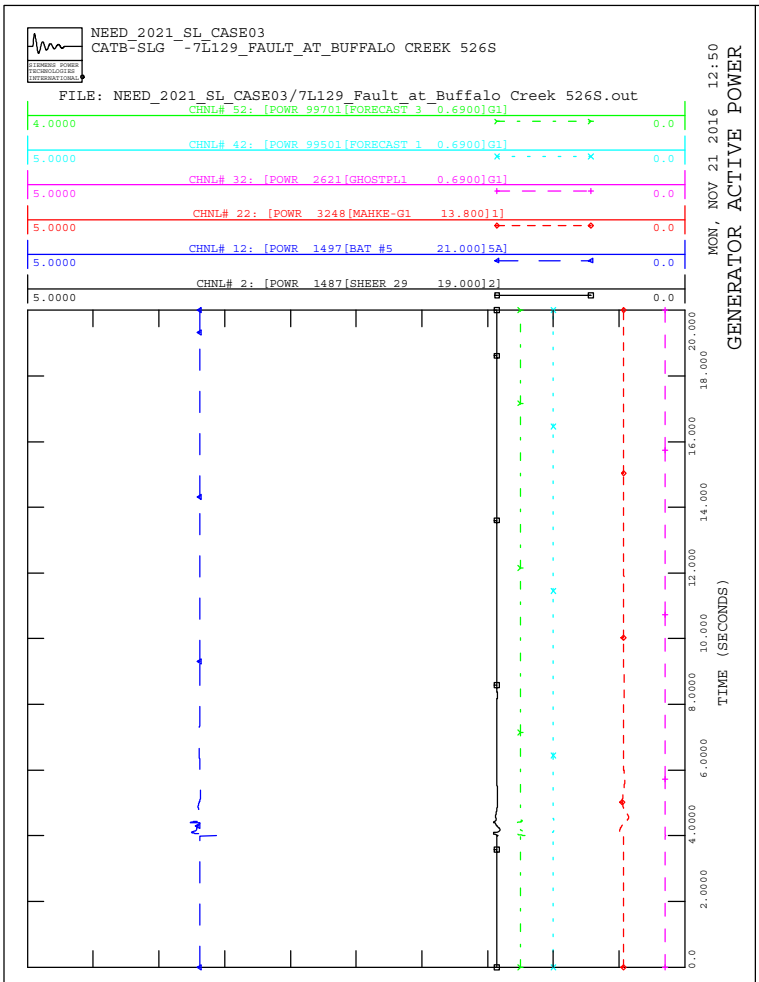
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out

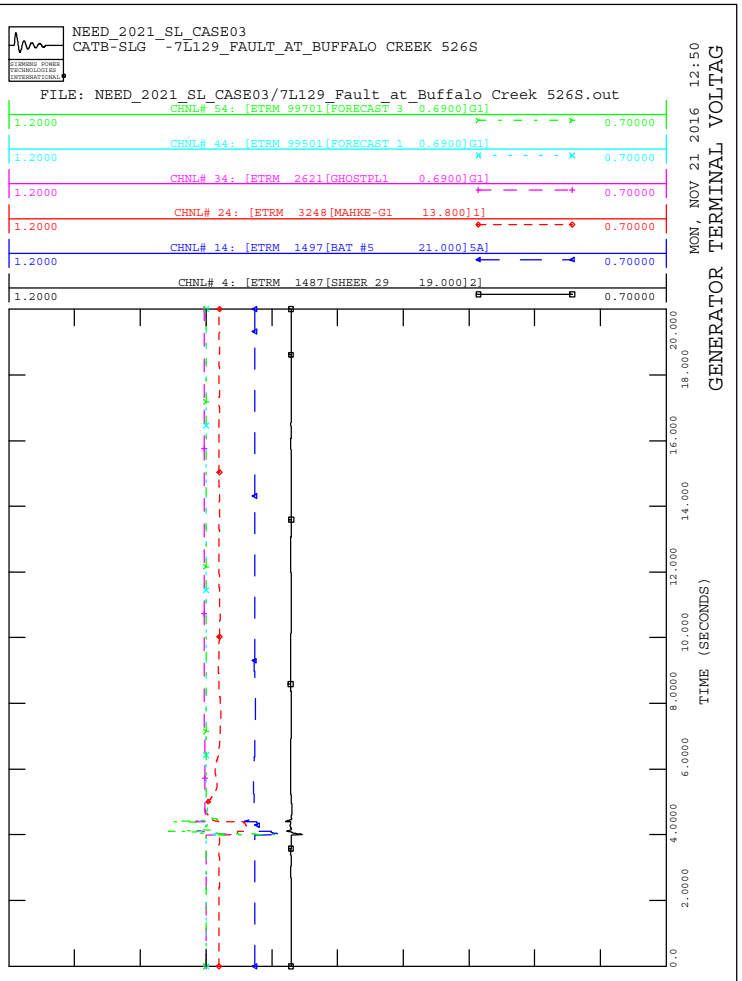
MON, NOV 21 2016 12:50

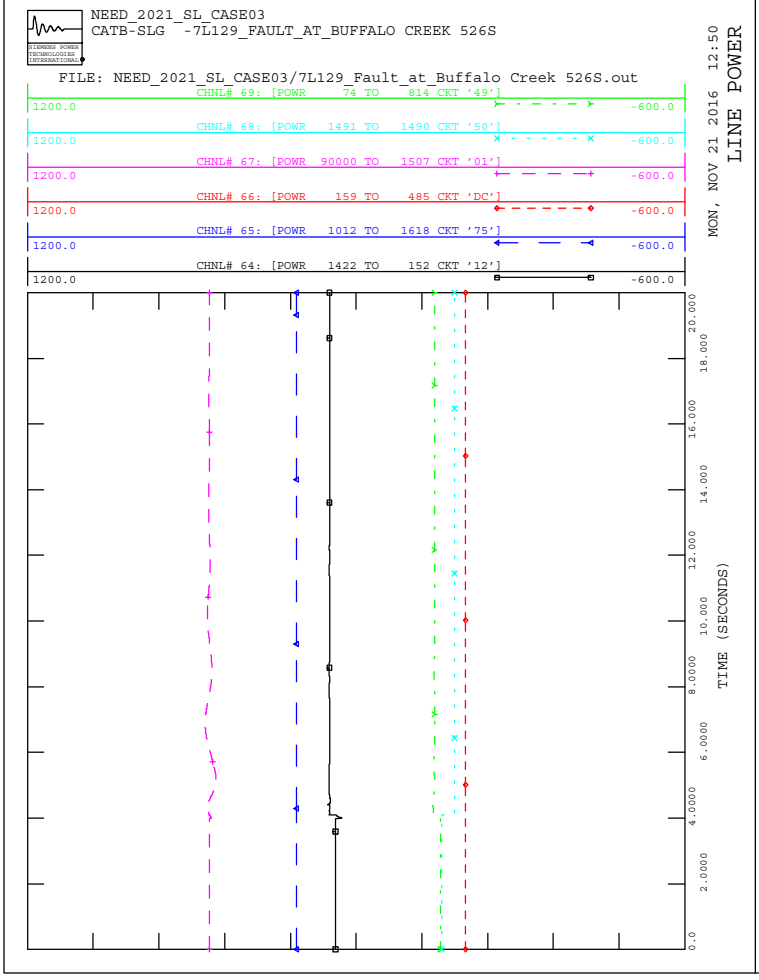
MACHINE ANGEL

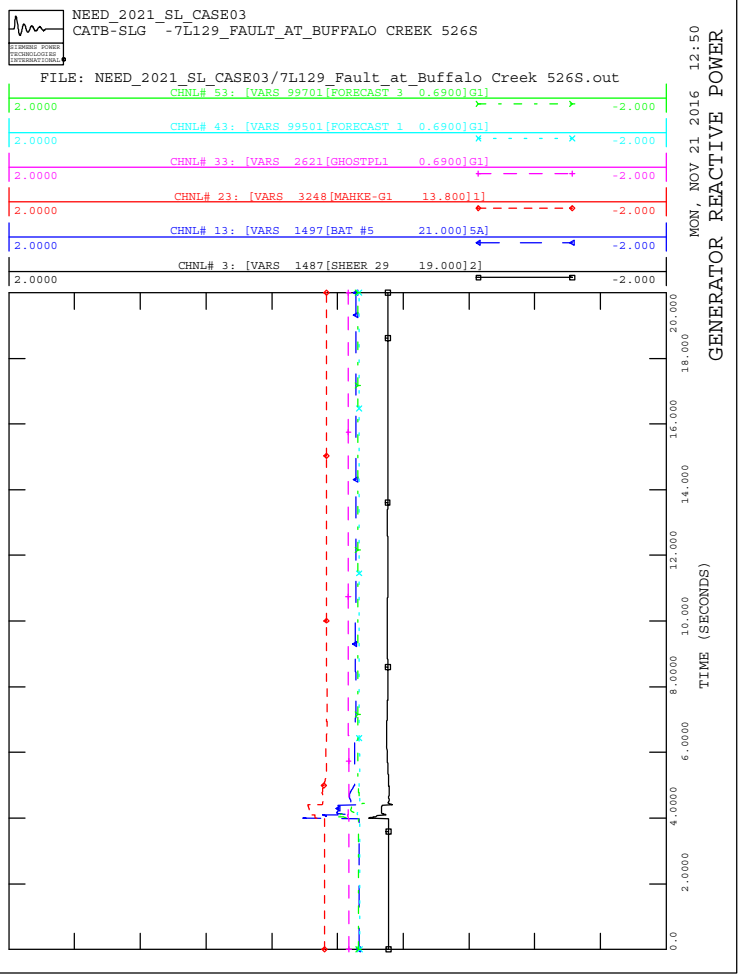
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:50
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)

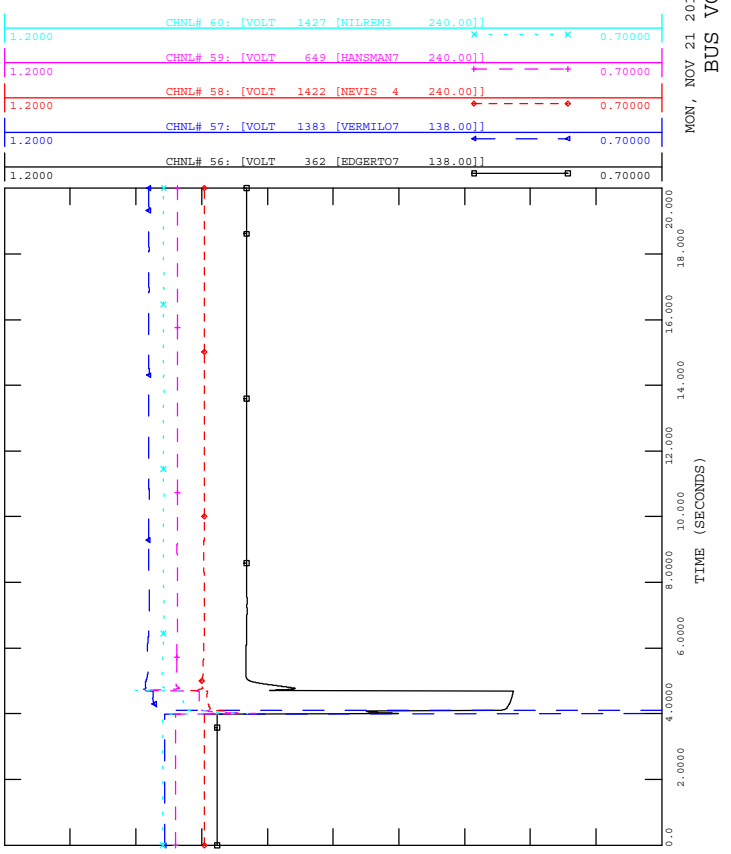

NEED_2021_SL_CASE03
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: NEED_2021_SL_CASE03/7L129_Fault_at_Buffalo Creek 526S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

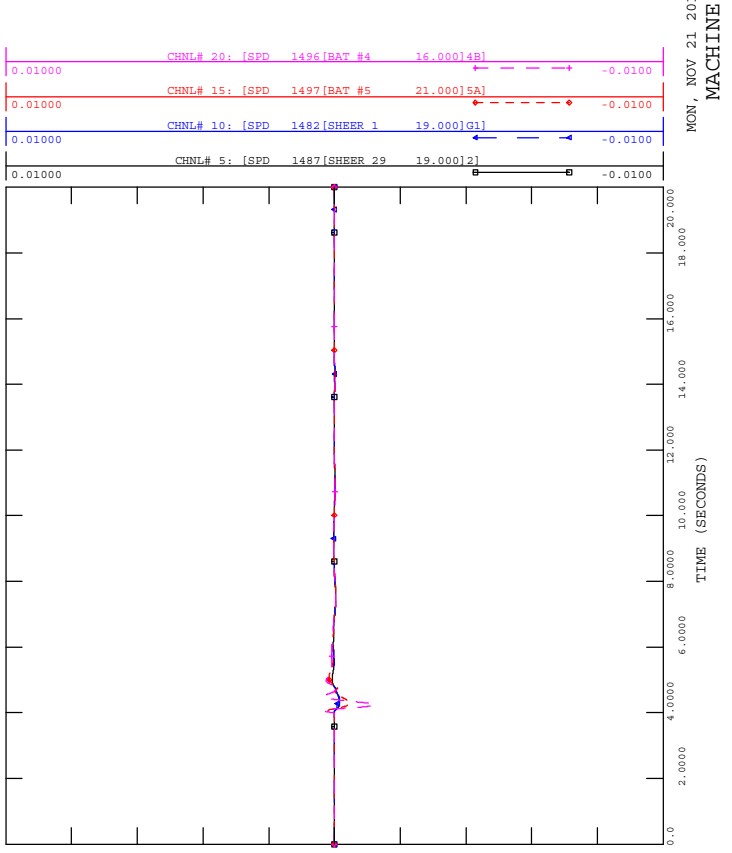


NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

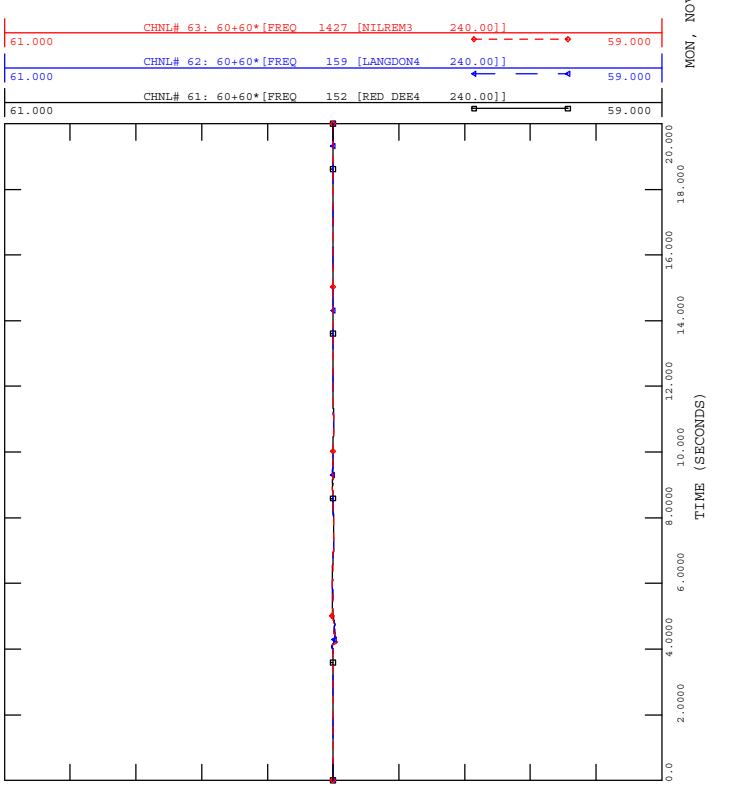


NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 12:50

FREQUENCY

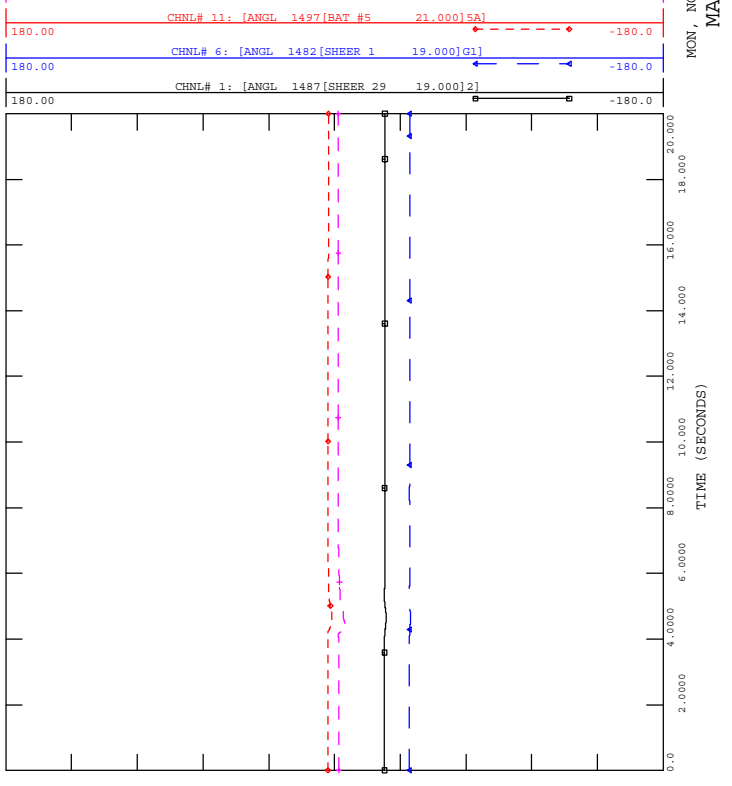


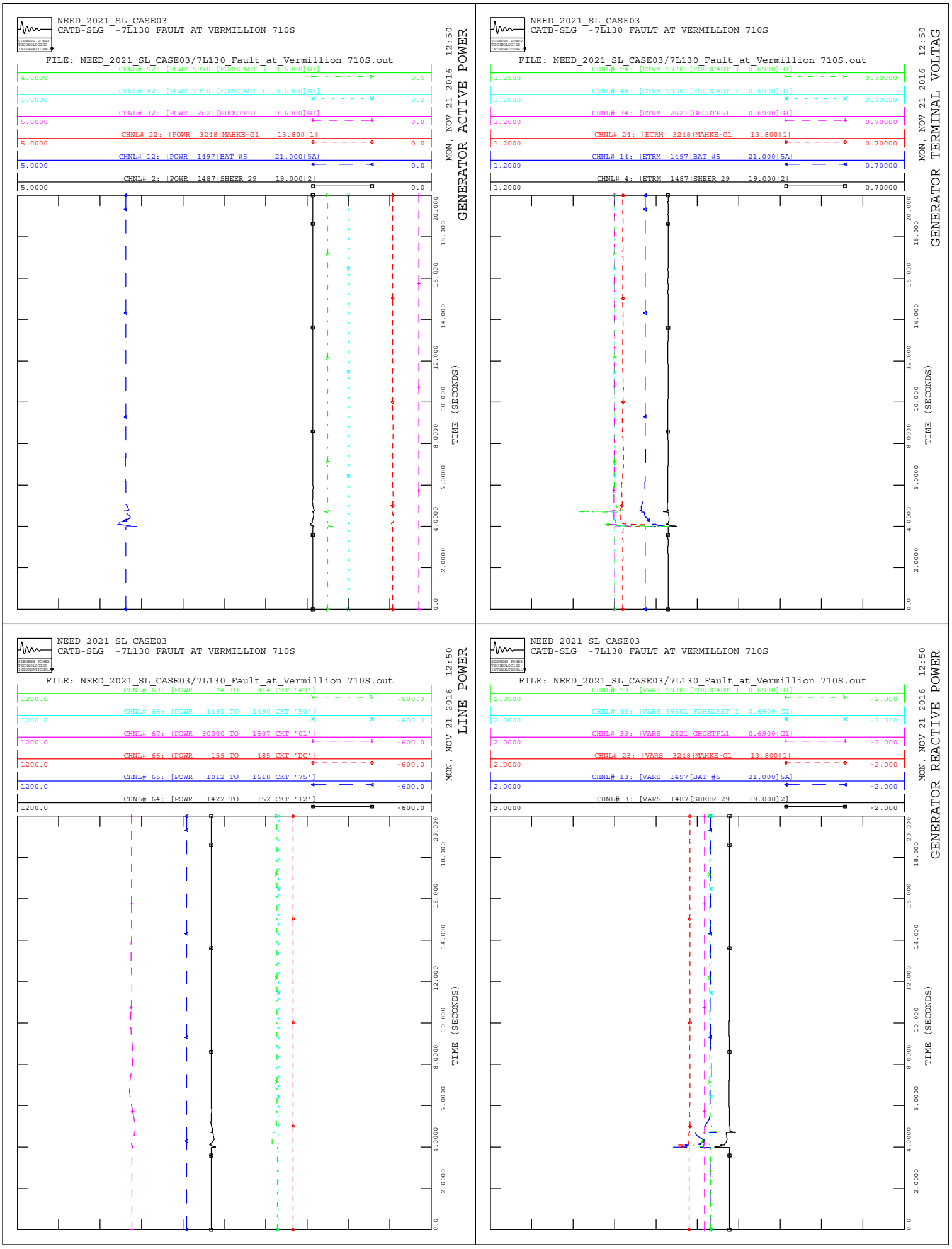
NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out

MON, NOV 21 2016 12:50

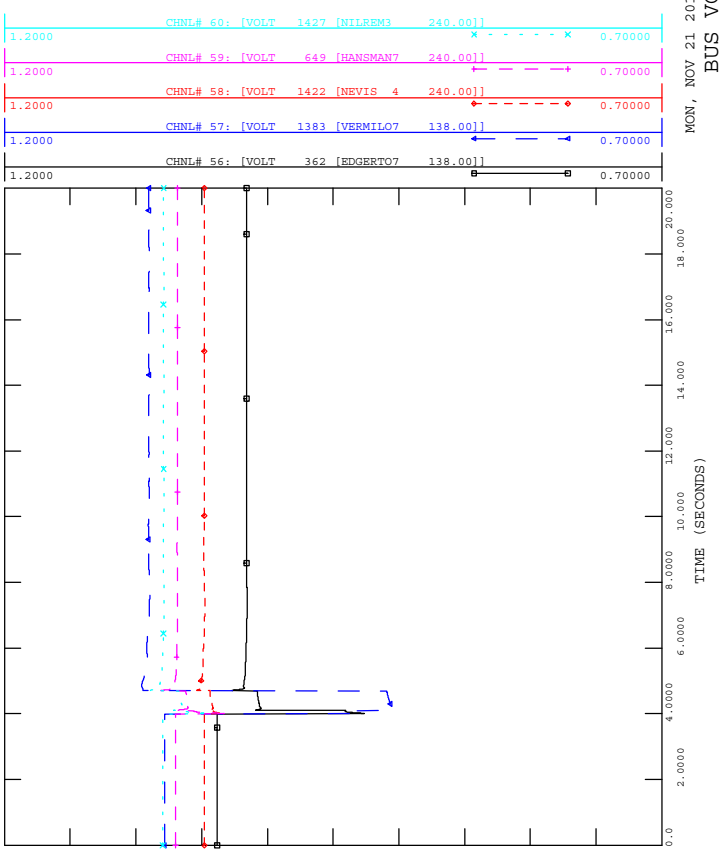
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)
NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:50
TIME (SECONDS)
NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)
NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Vermillion 710S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:50
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

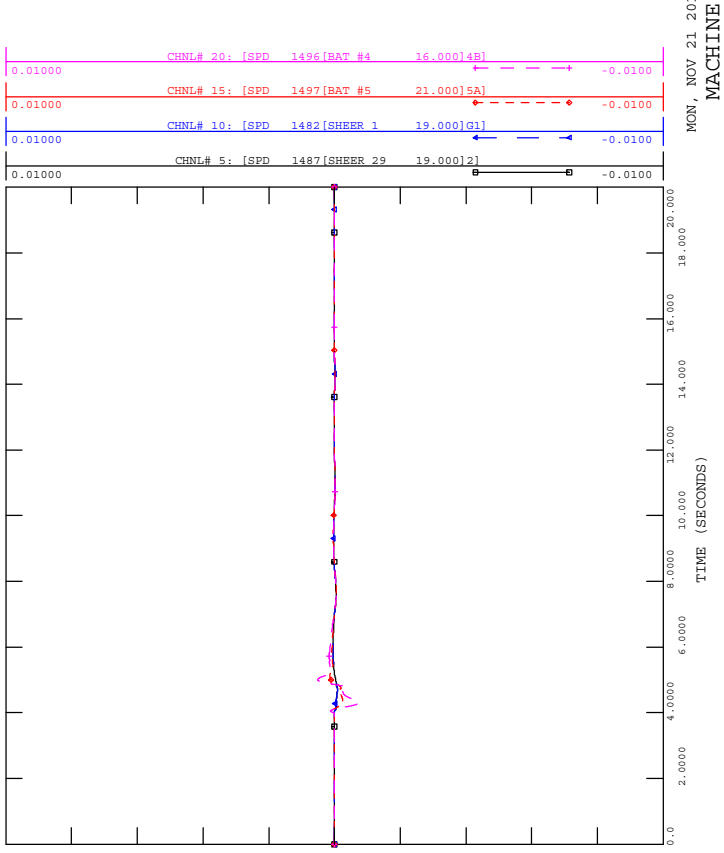
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:50
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

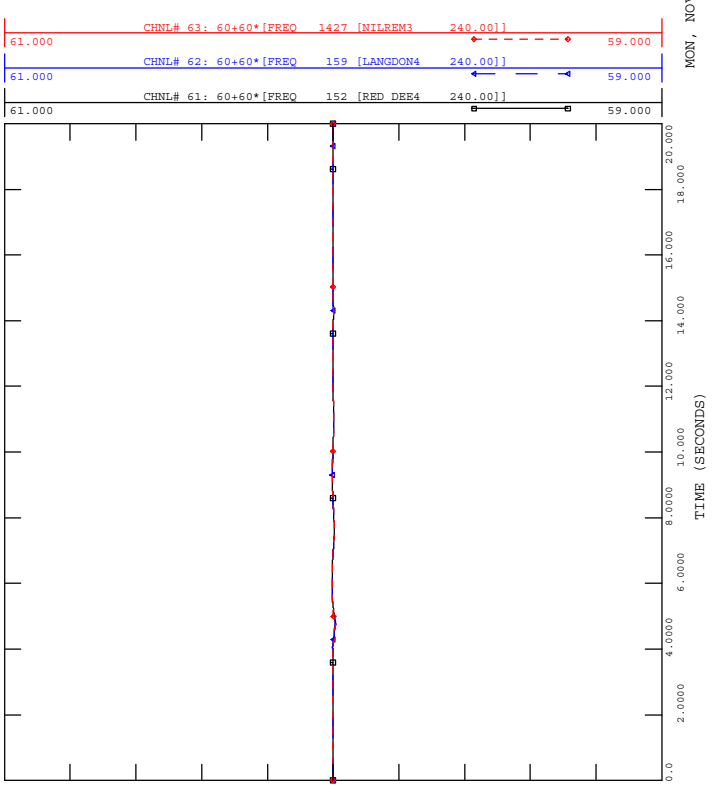
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:50
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

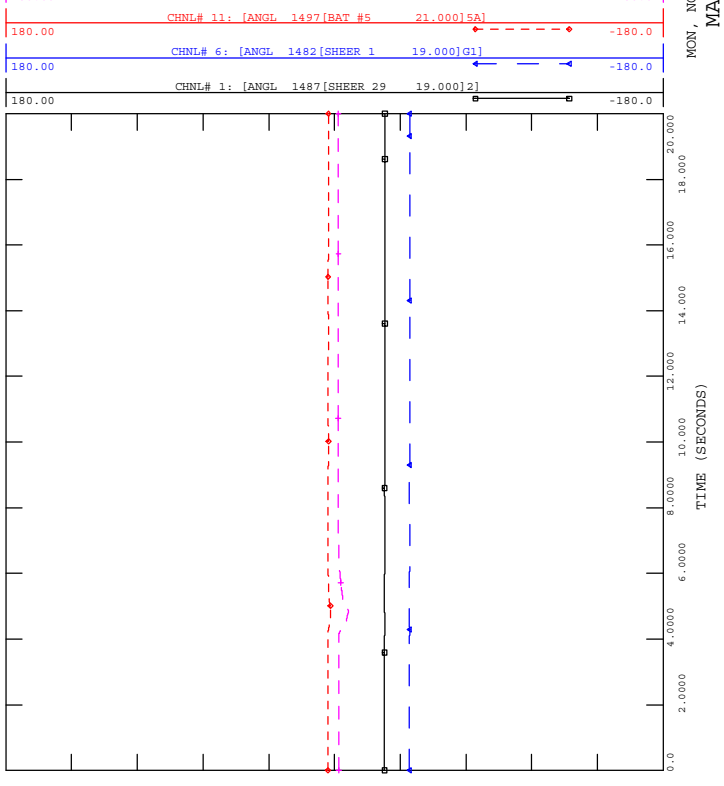
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:50
FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

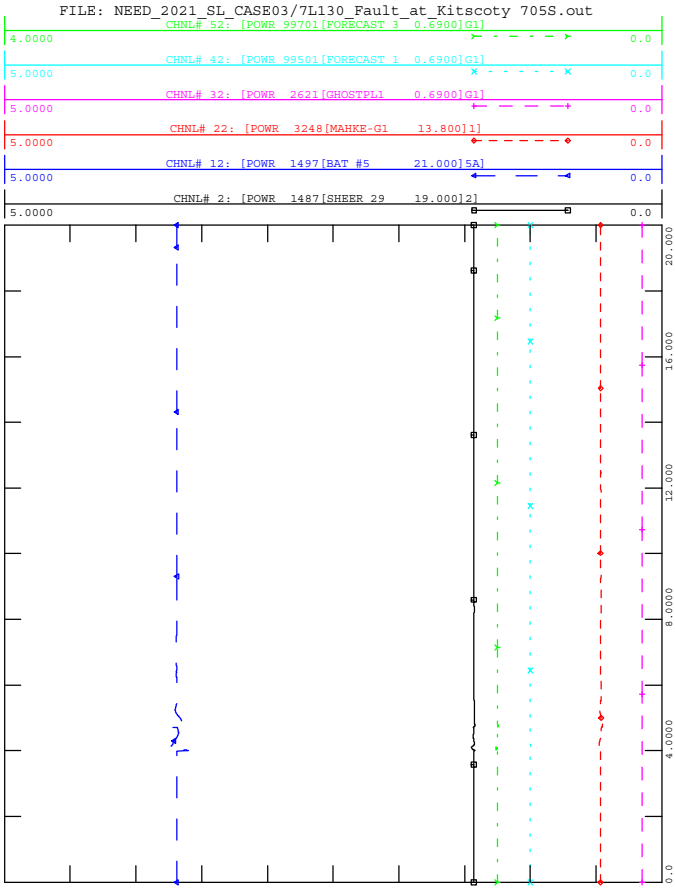
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:50
MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

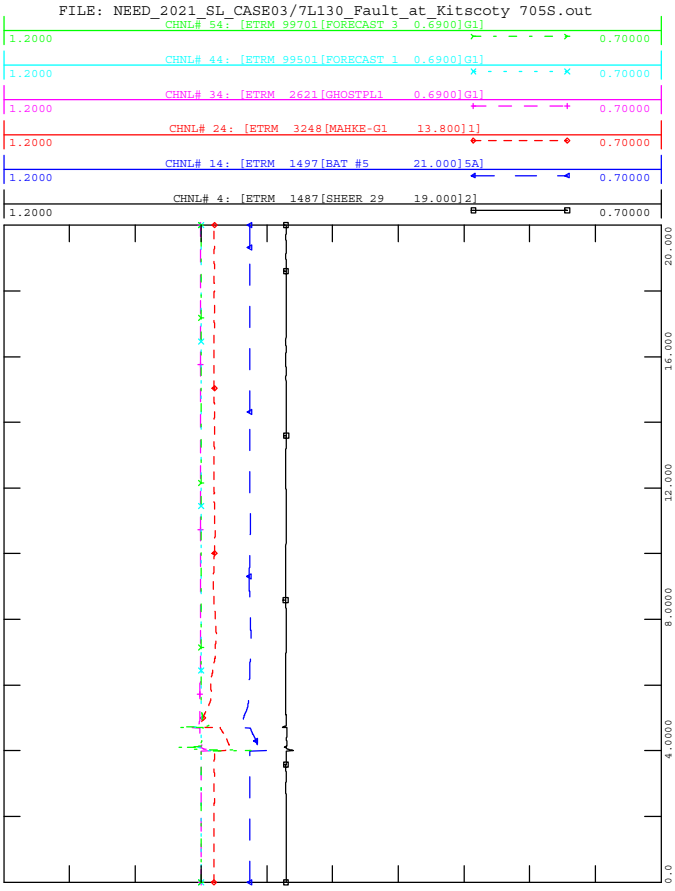
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:50

NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

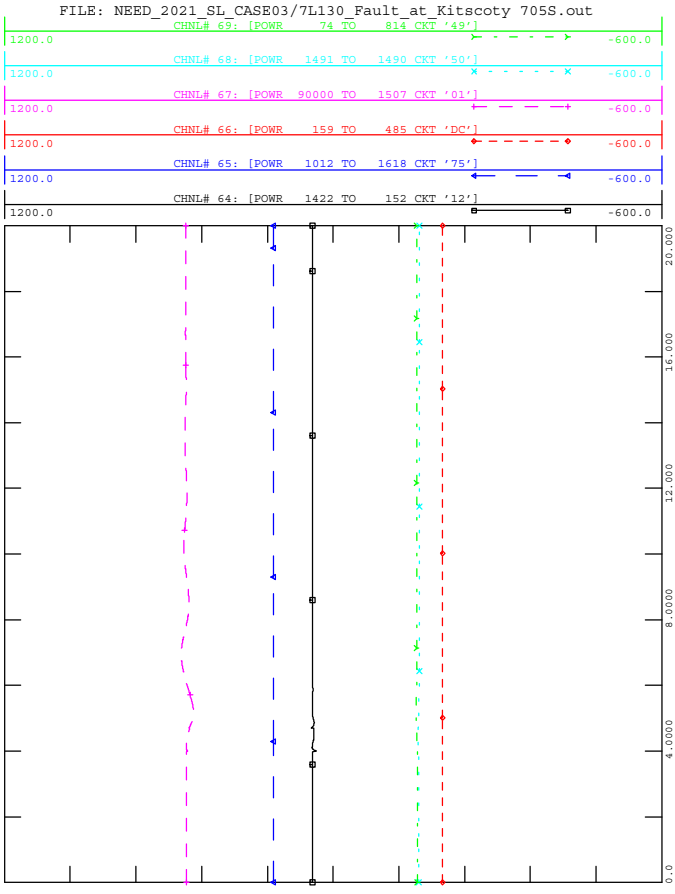
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:50

NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

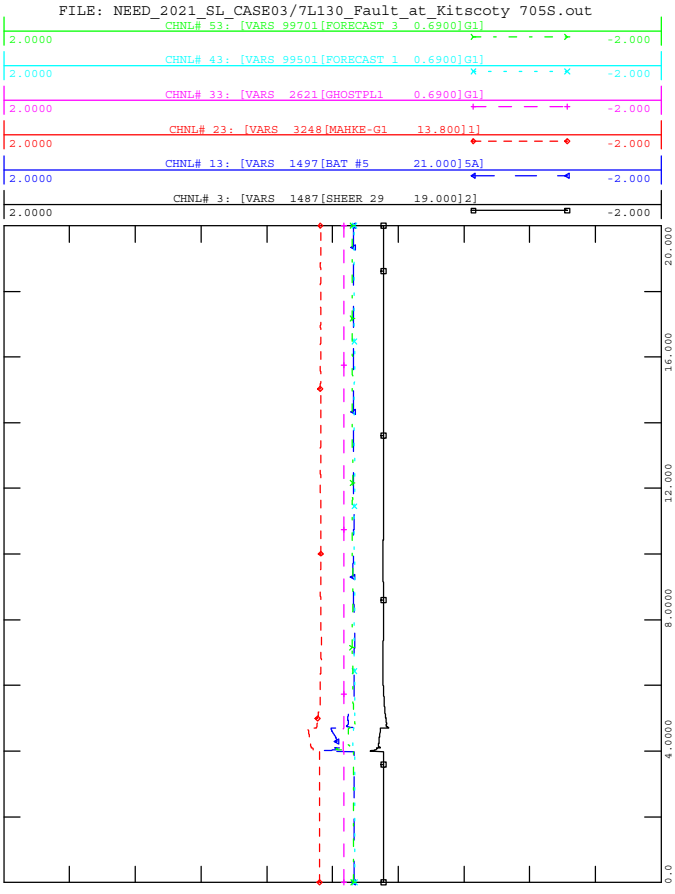
FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out



LINE POWER
MON, NOV 21 2016 12:50

NEED_2021_SL_CASE03
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_SL_CASE03/7L130_Fault_at_Kitscoty 705S.out



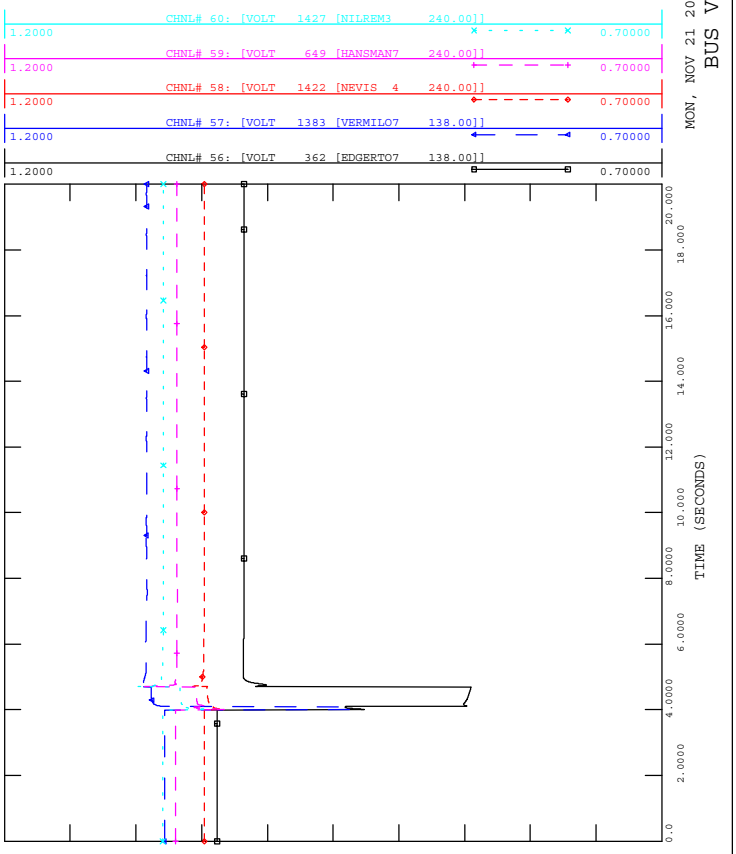
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:50

NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

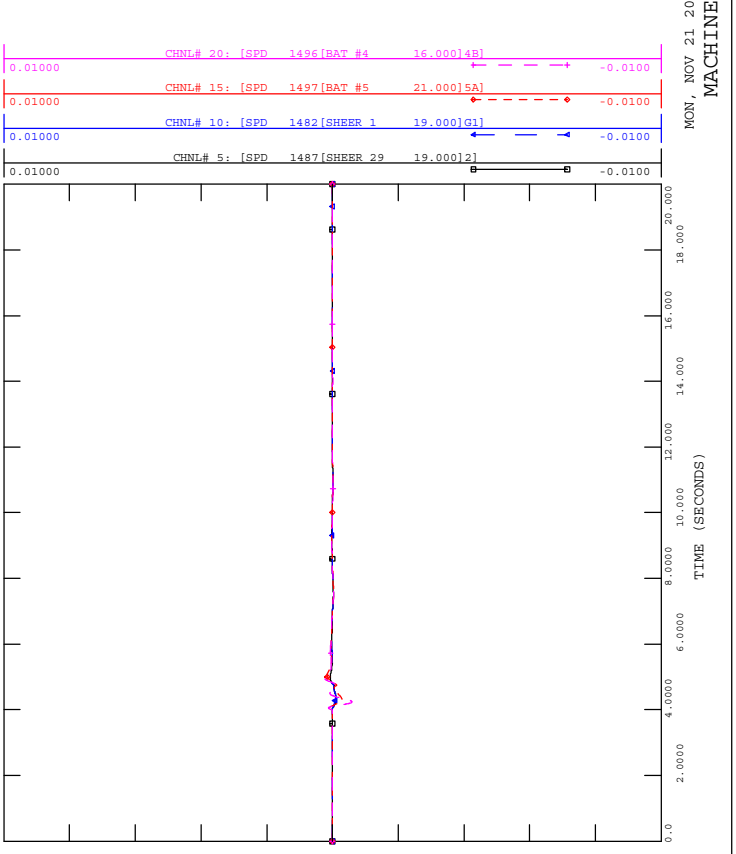


NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

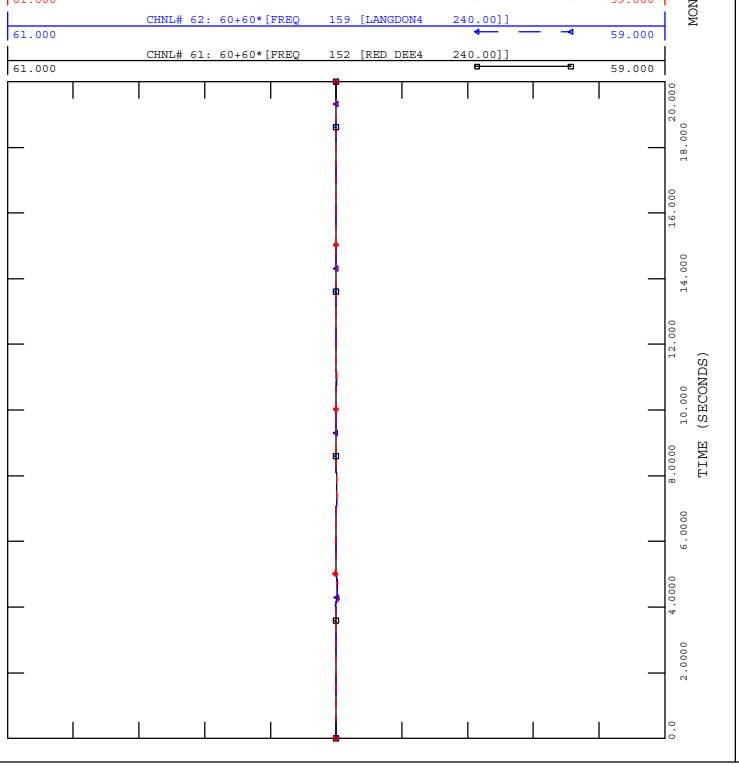


NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out

MON, NOV 21 2016 12:50

FREQUENCY

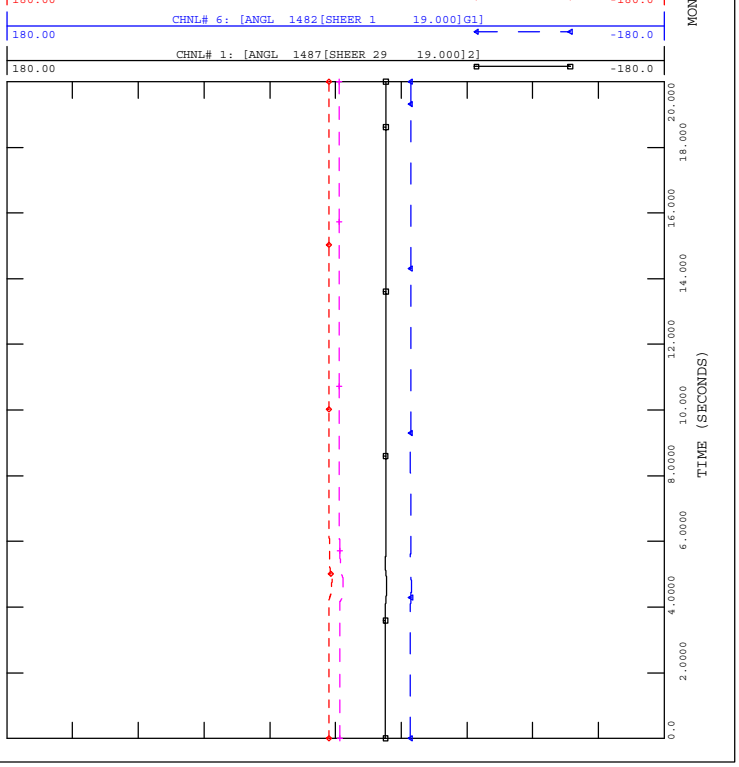


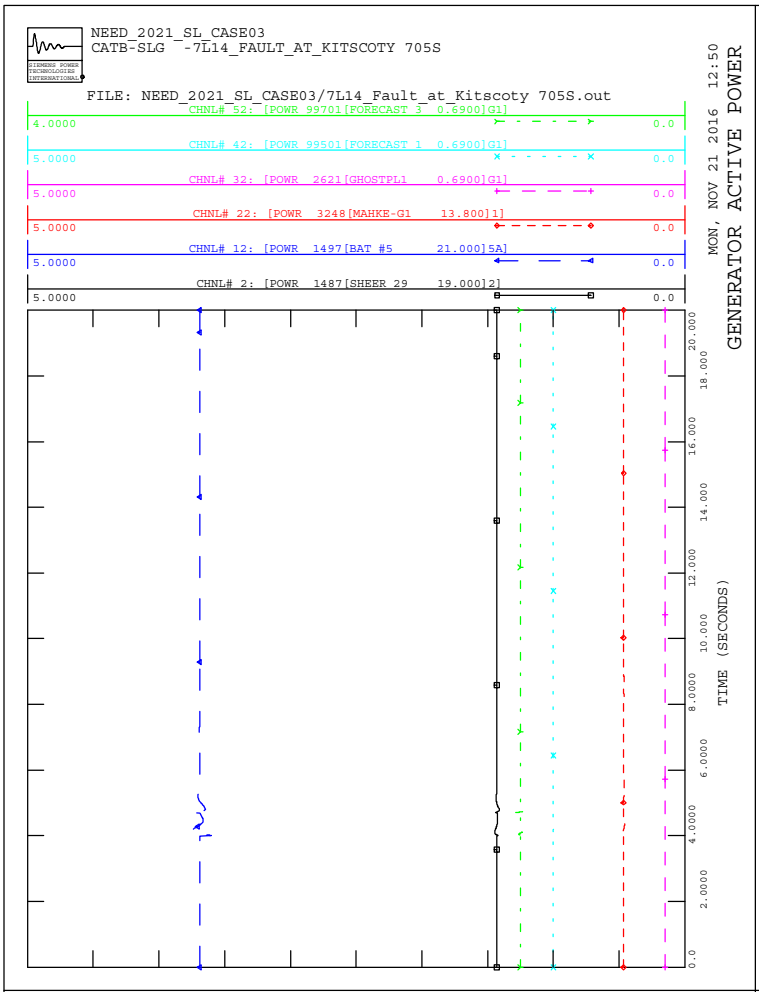
NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

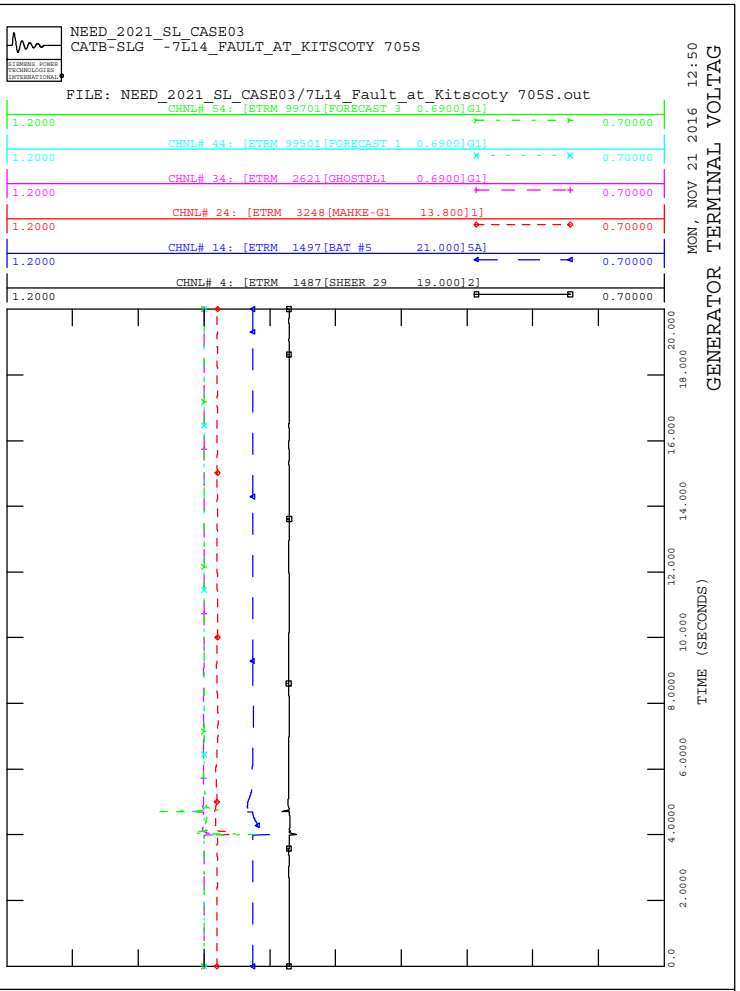
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out

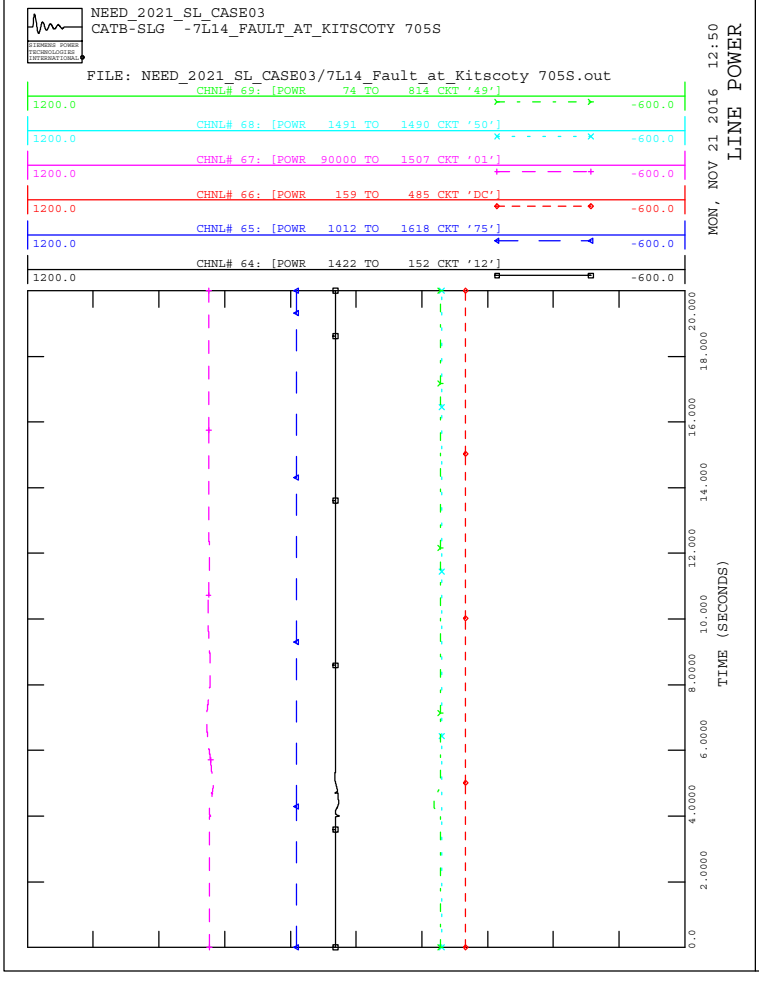
MON, NOV 21 2016 12:50

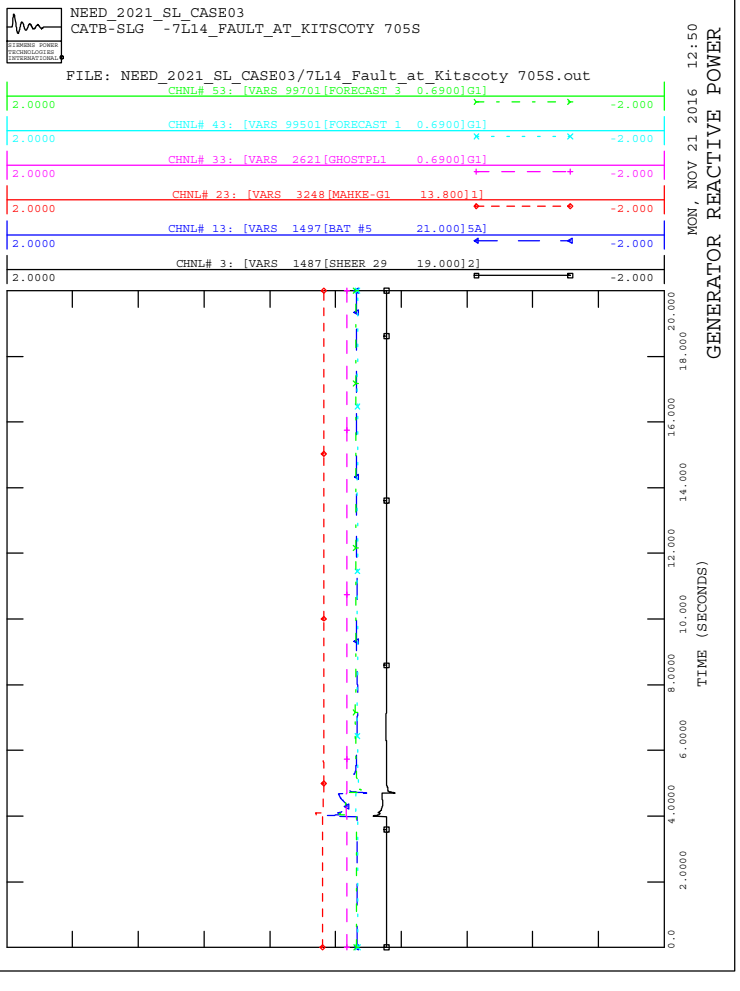
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:50
LINE POWER

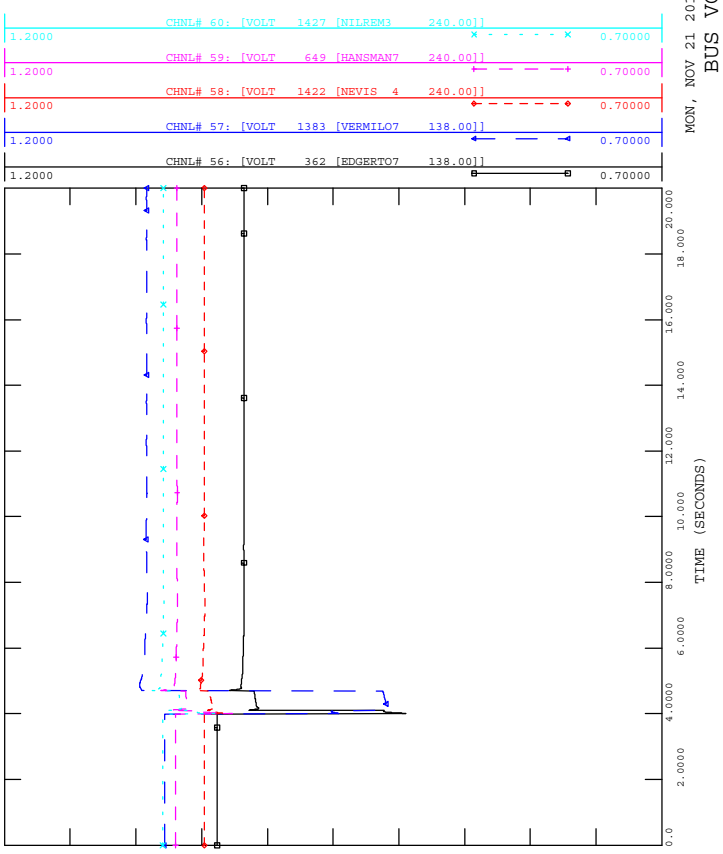

NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Kitscoty 705S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

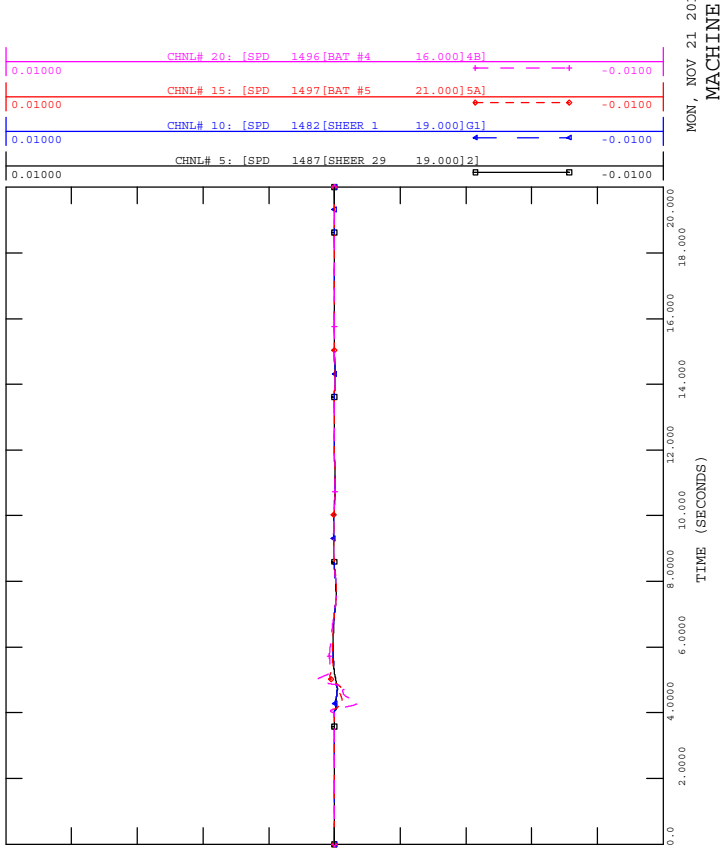


NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

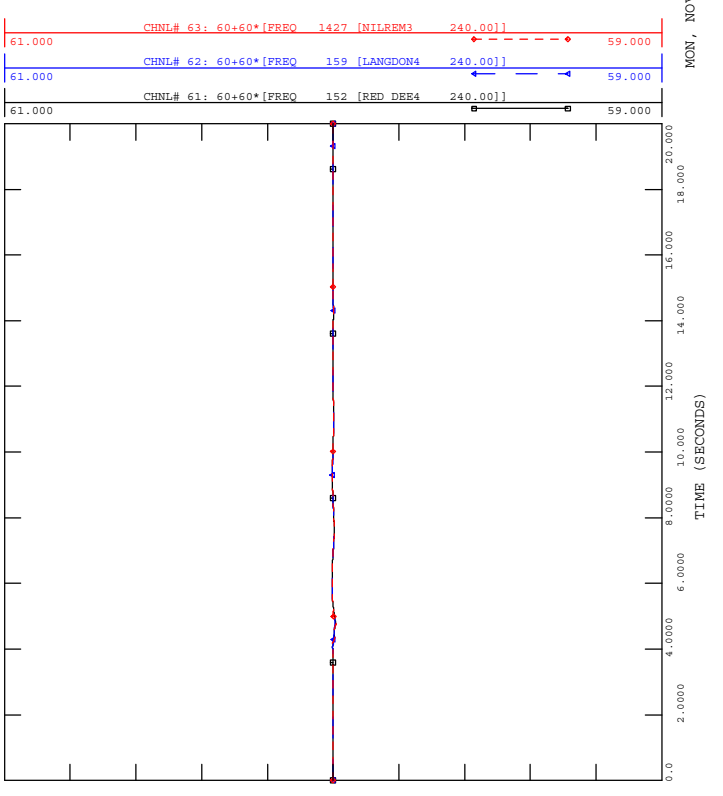


NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:50

FREQUENCY

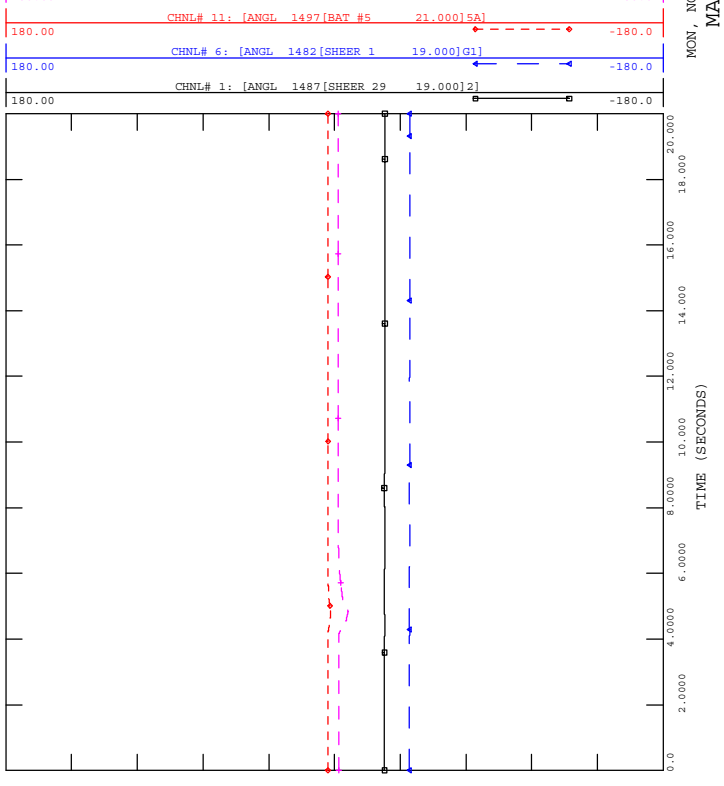


NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out

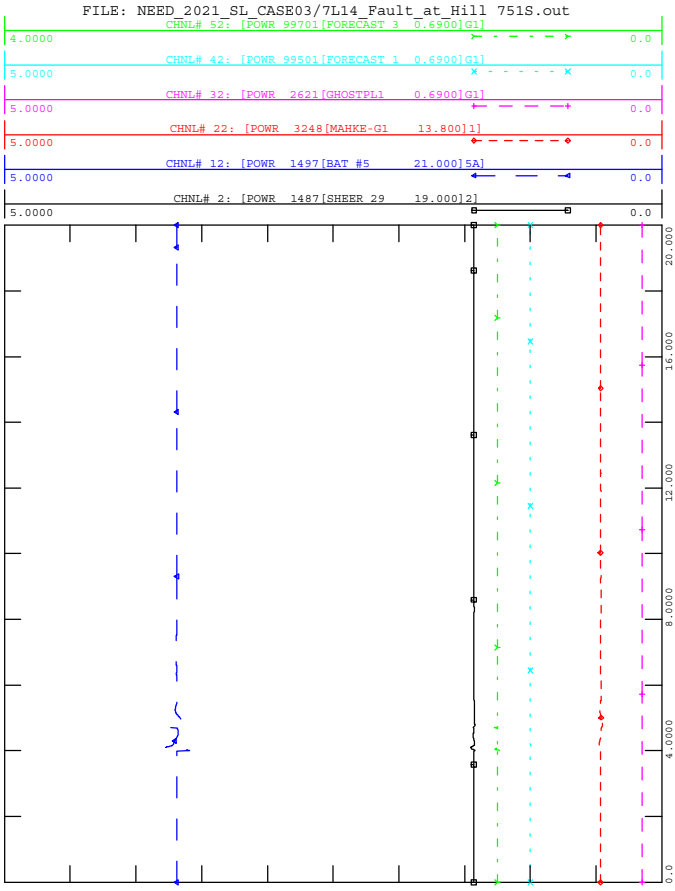
MON, NOV 21 2016 12:50

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_HILL 751S

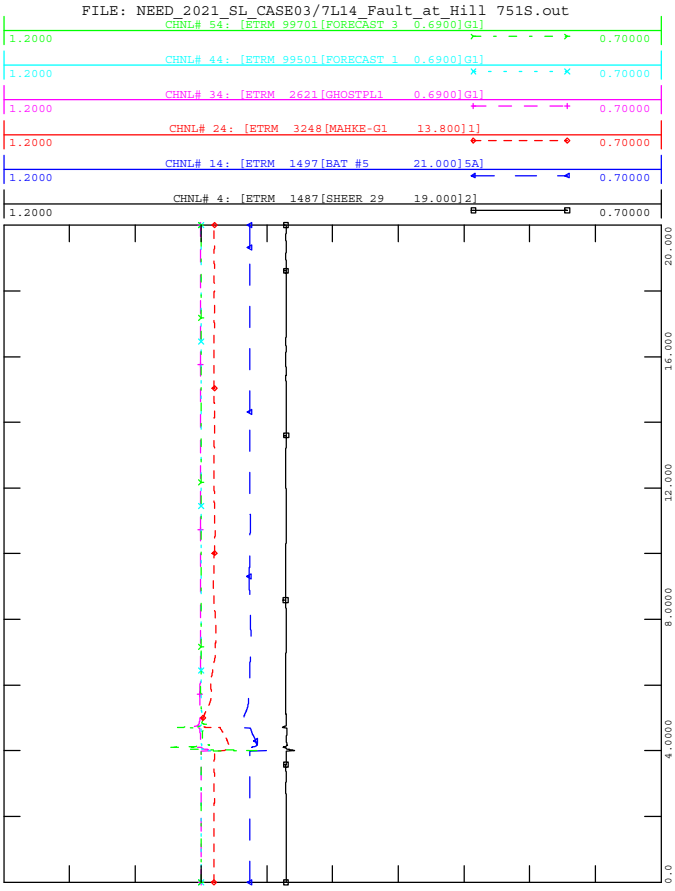
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out



MON, NOV 21 2016 12:50
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_HILL 751S

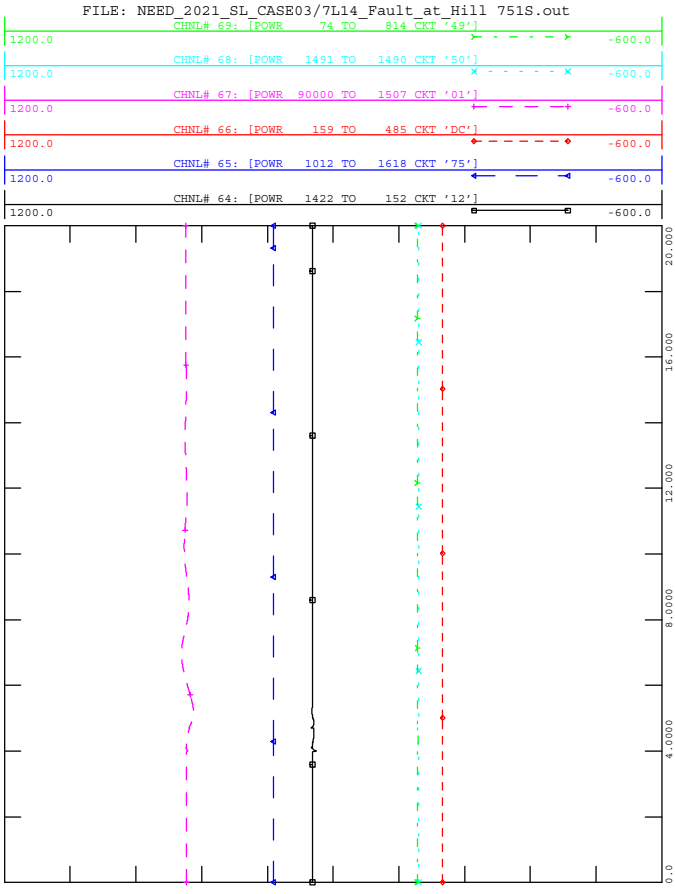
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out



MON, NOV 21 2016 12:50
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_HILL 751S

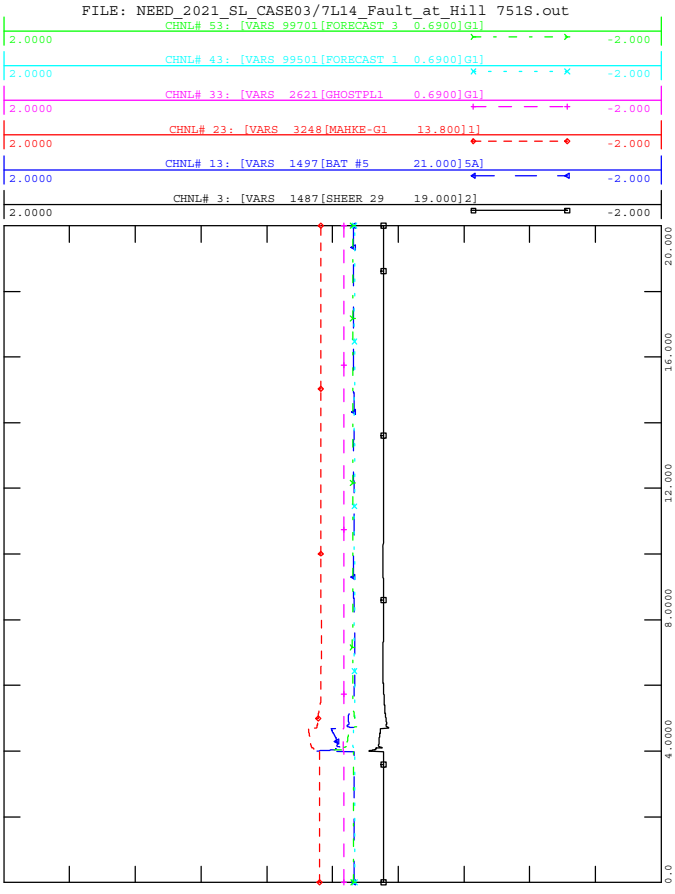
FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out



MON, NOV 21 2016 12:50
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L14_Fault_at_Hill 751S.out



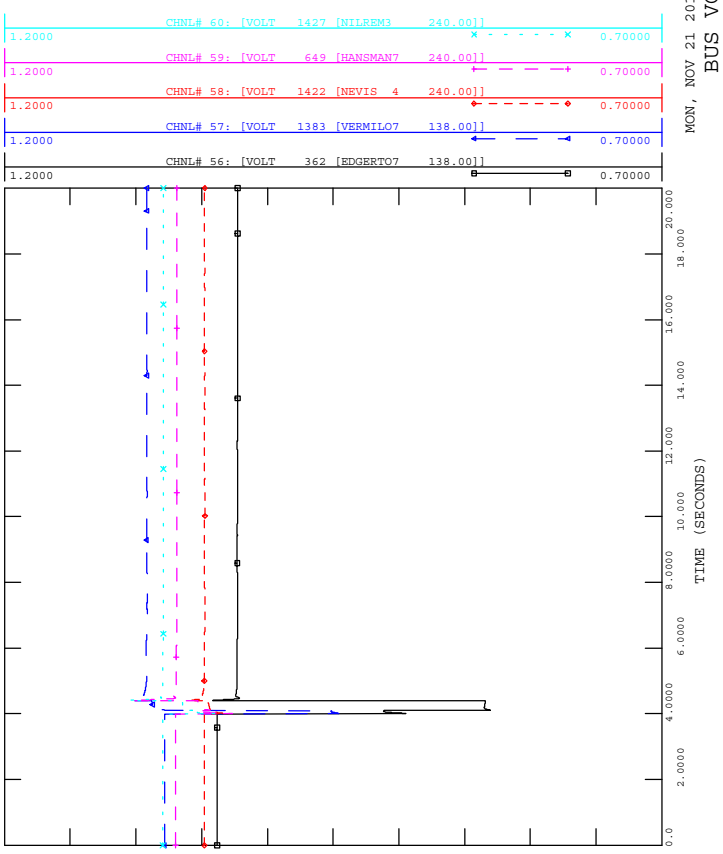
MON, NOV 21 2016 12:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:50

BUS VOLTAGE

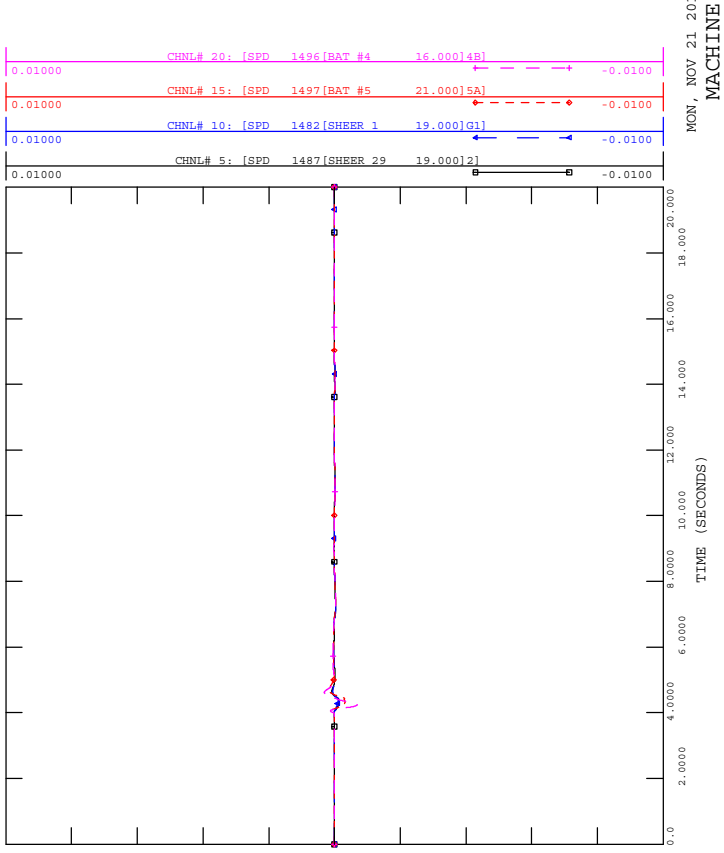


NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:50

MACHINE SPEED

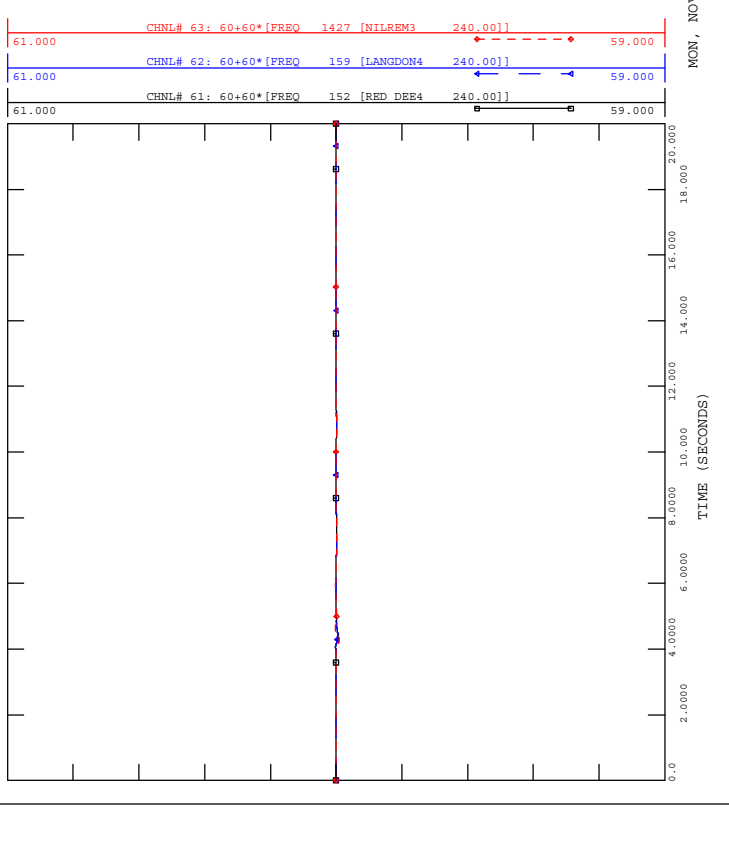


NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:50

FREQUENCY

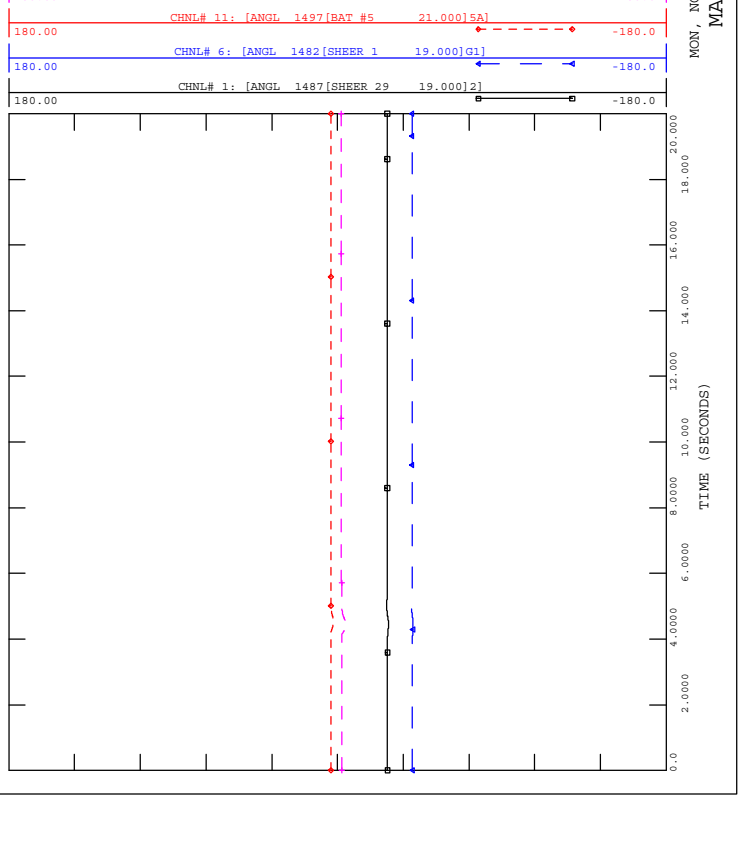


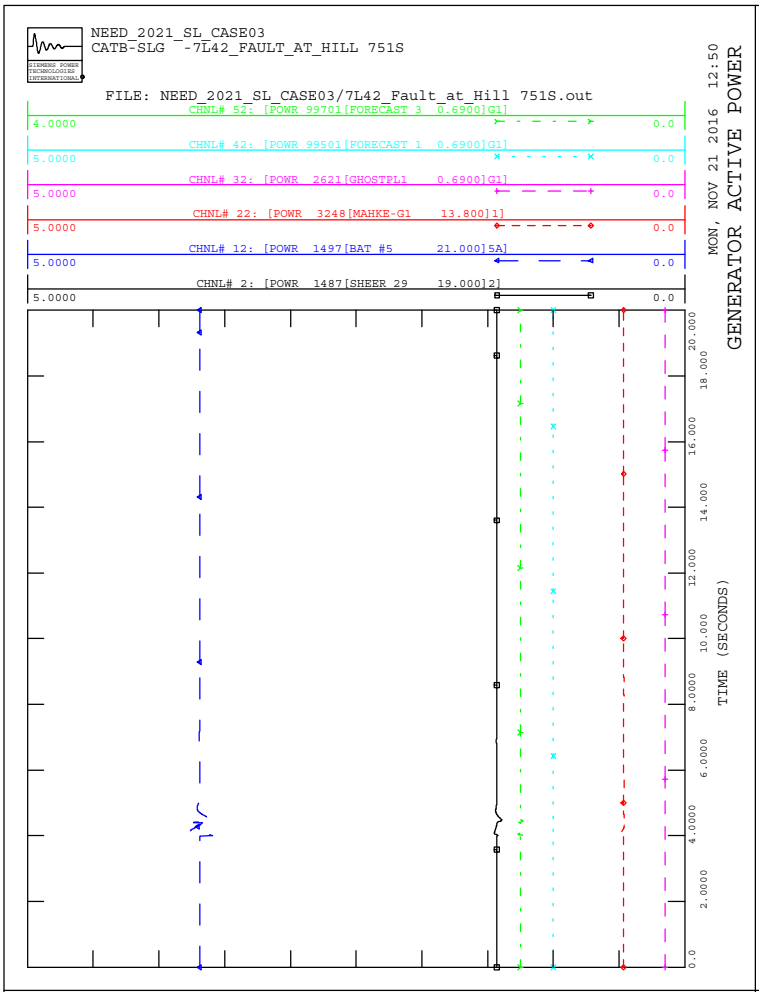
NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:50

MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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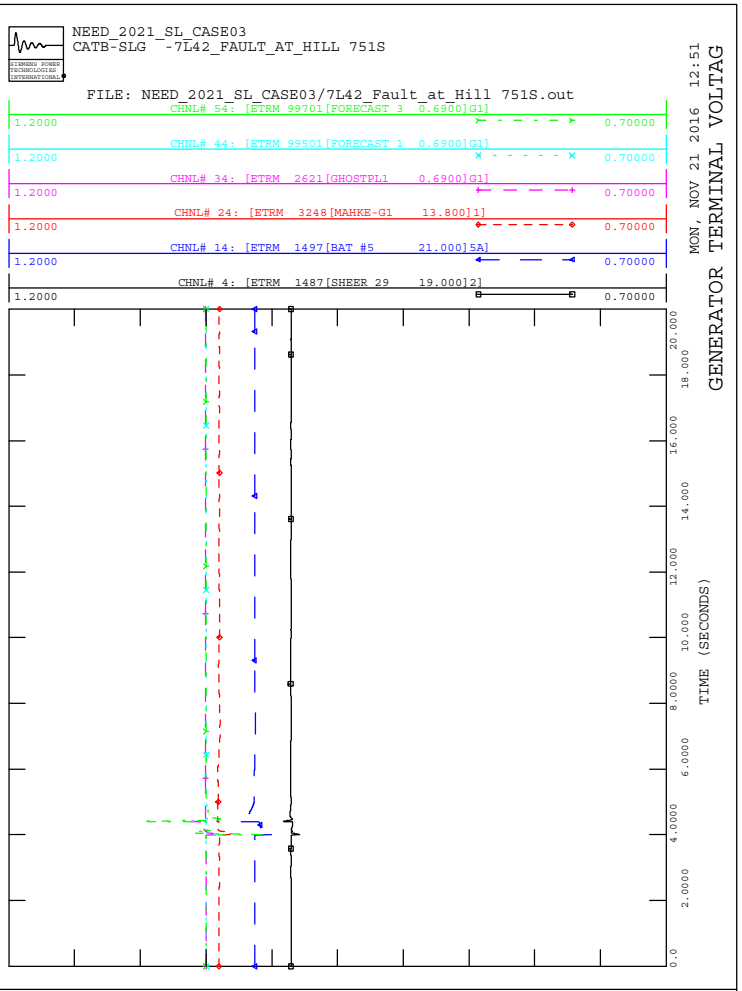
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out
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CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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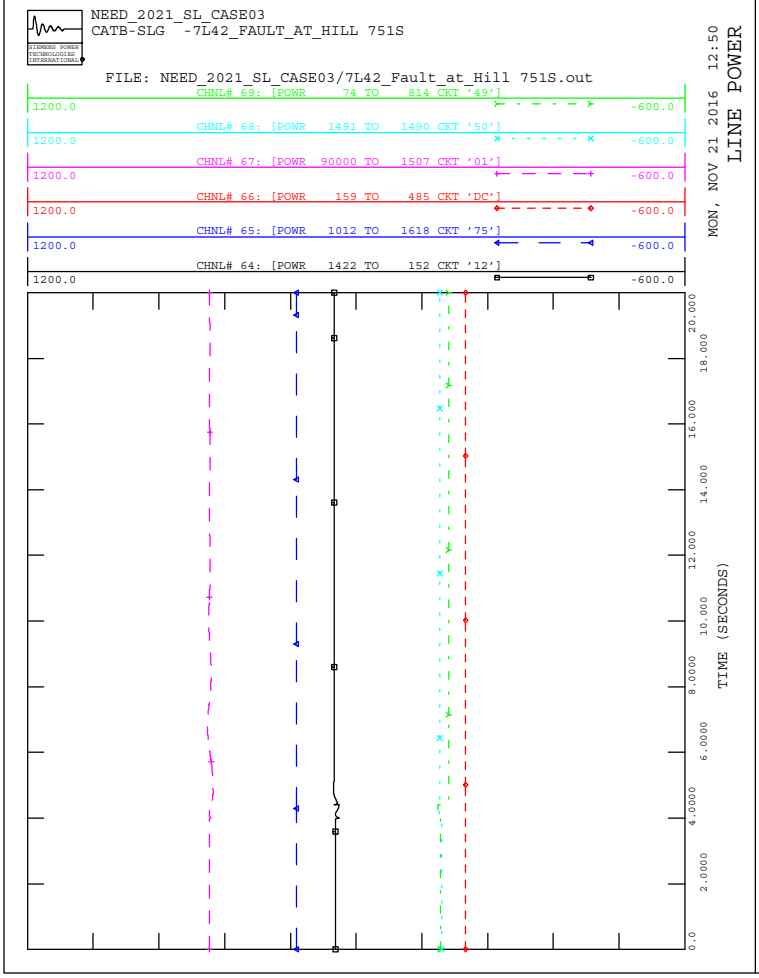
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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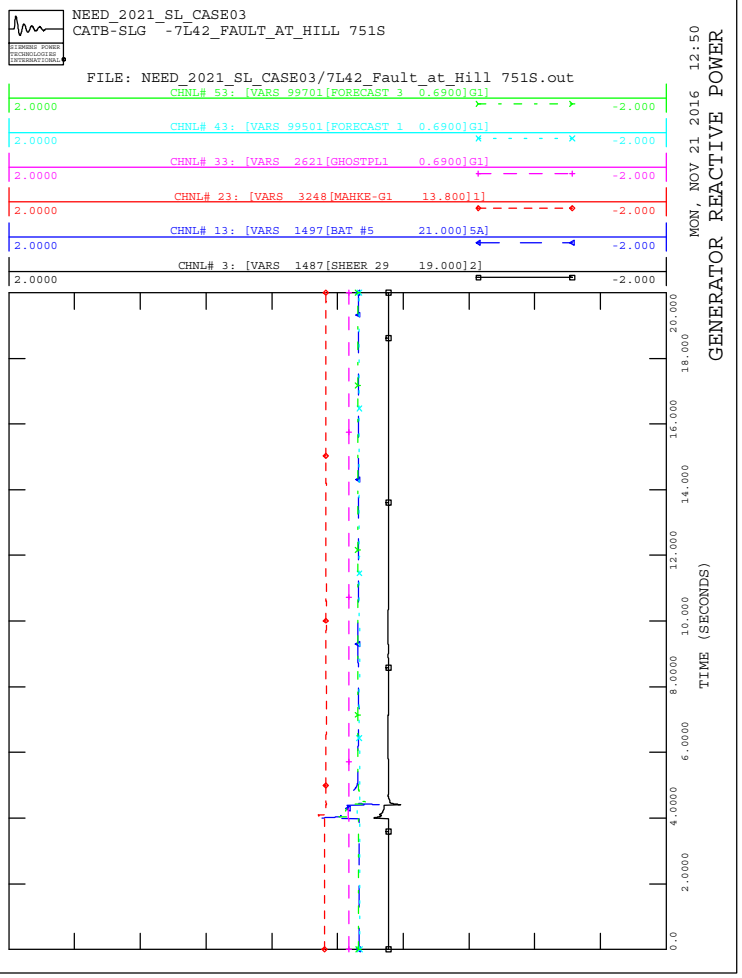
TIME (SECONDS)
MON, NOV 21 2016 12:50
LINE POWER


NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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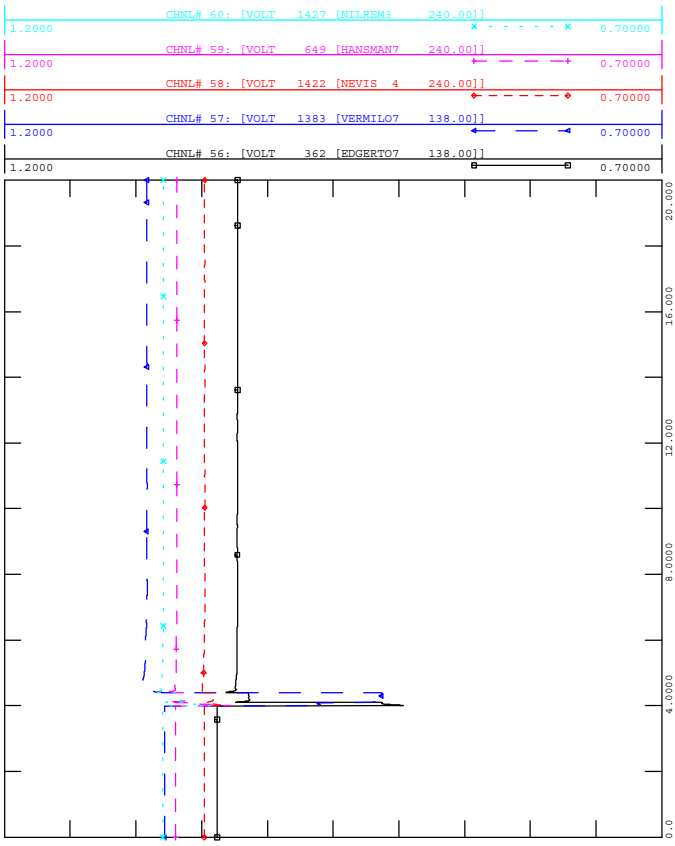
TIME (SECONDS)
MON, NOV 21 2016 12:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

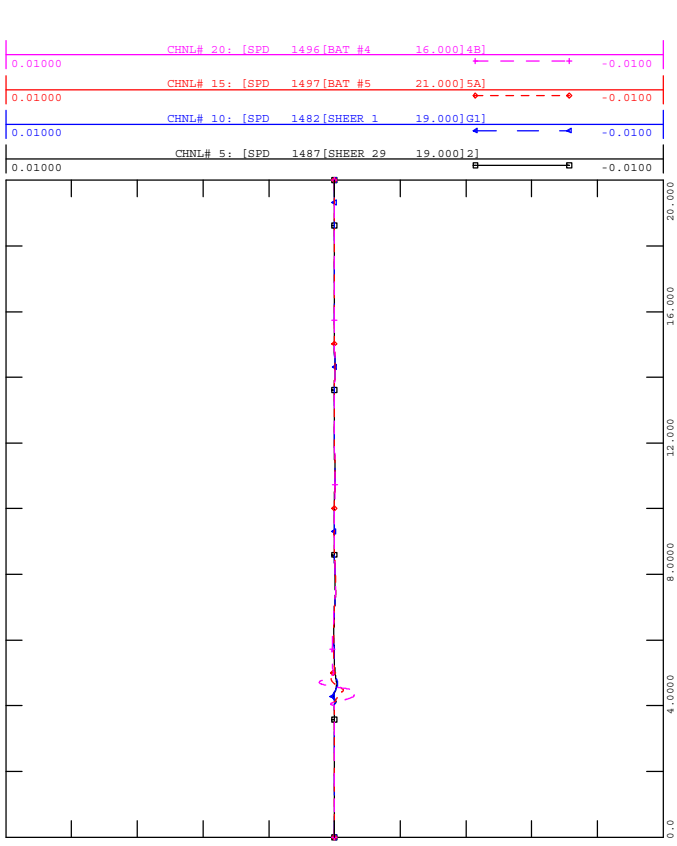


NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

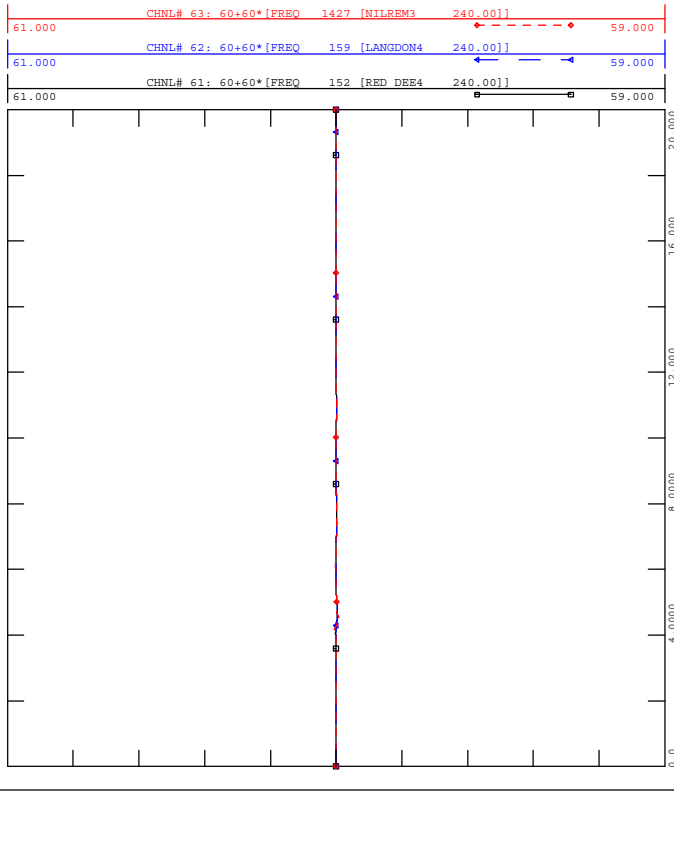


NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 12:51

FREQUENCY

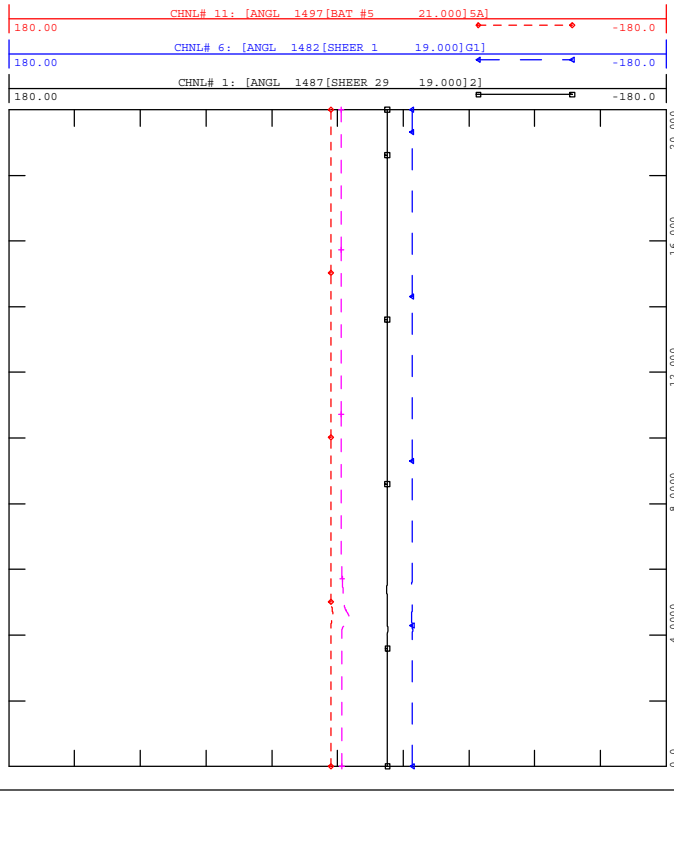


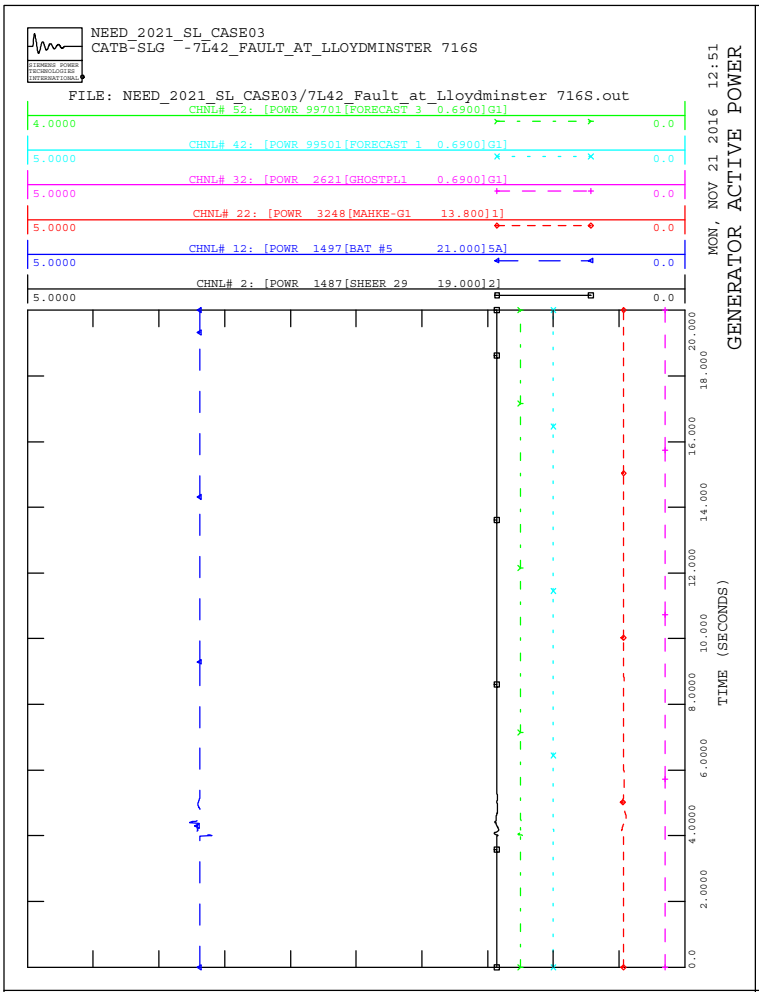
NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 12:51

MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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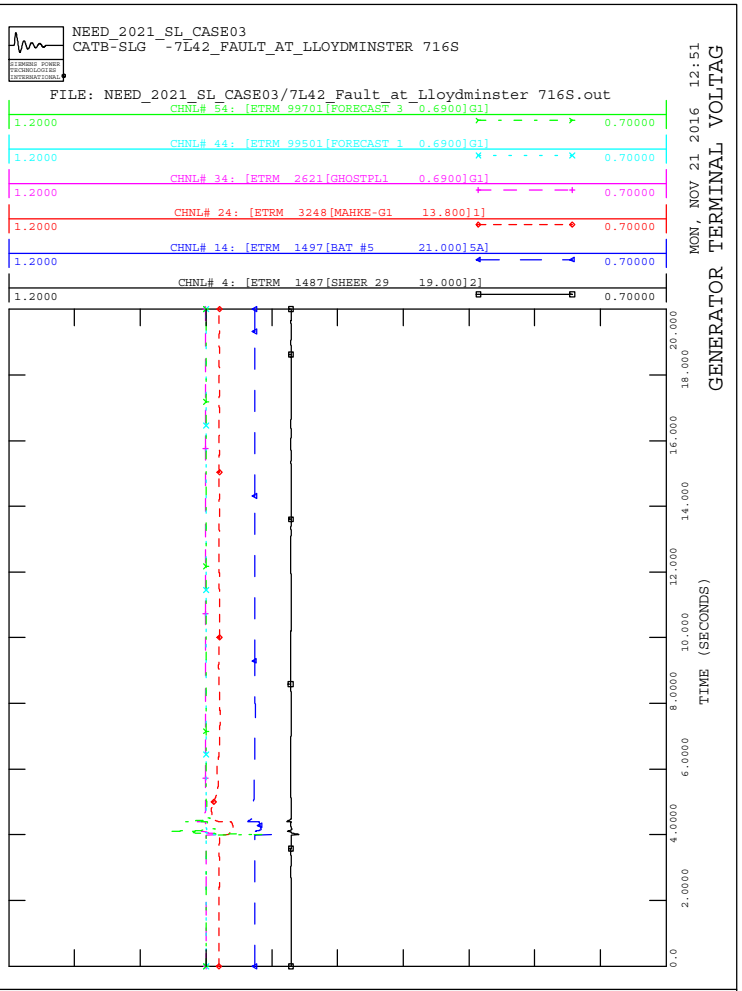
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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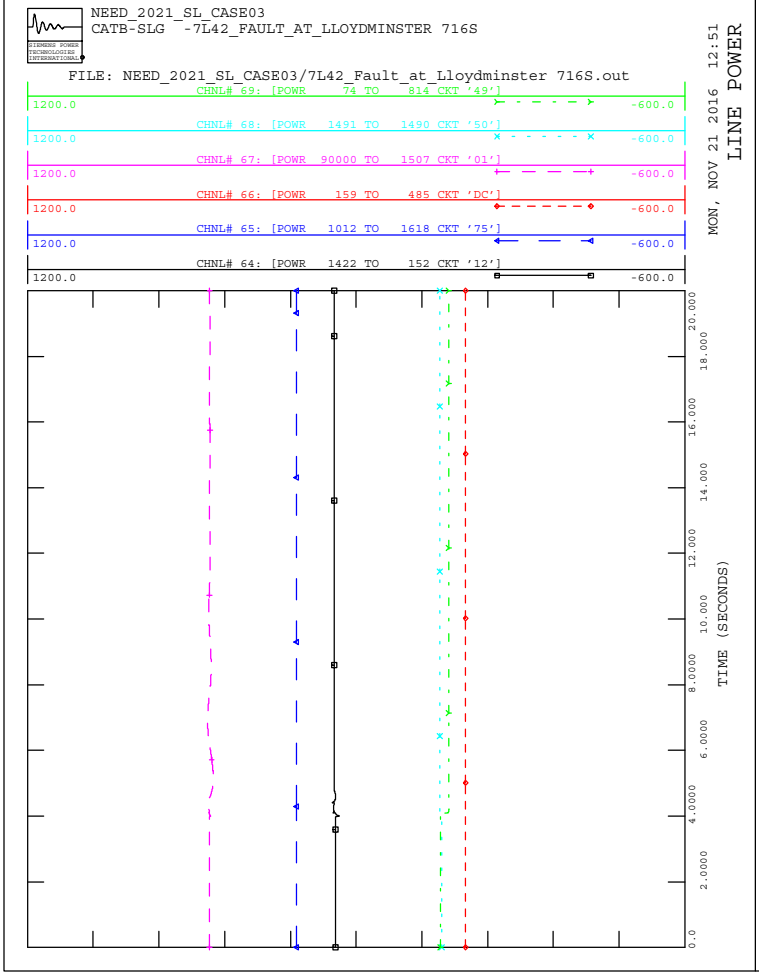
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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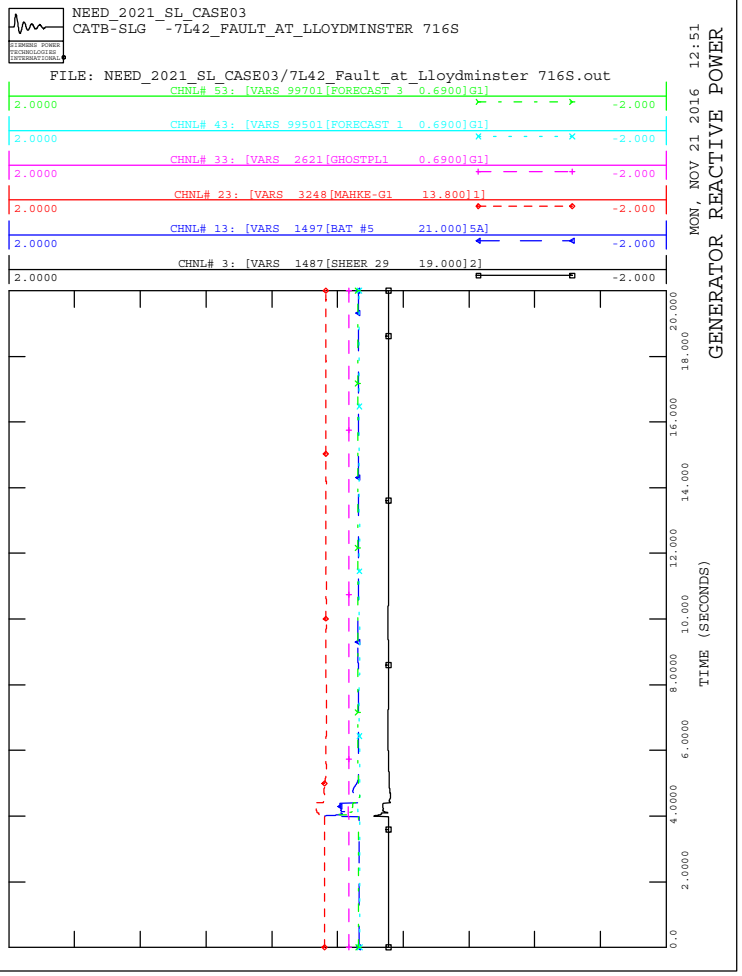
TIME (SECONDS)
MON, NOV 21 2016 12:51
LINE POWER


NEED_2021_SL_CASE03
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_SL_CASE03/7L42_Fault_at_Lloydminster 716S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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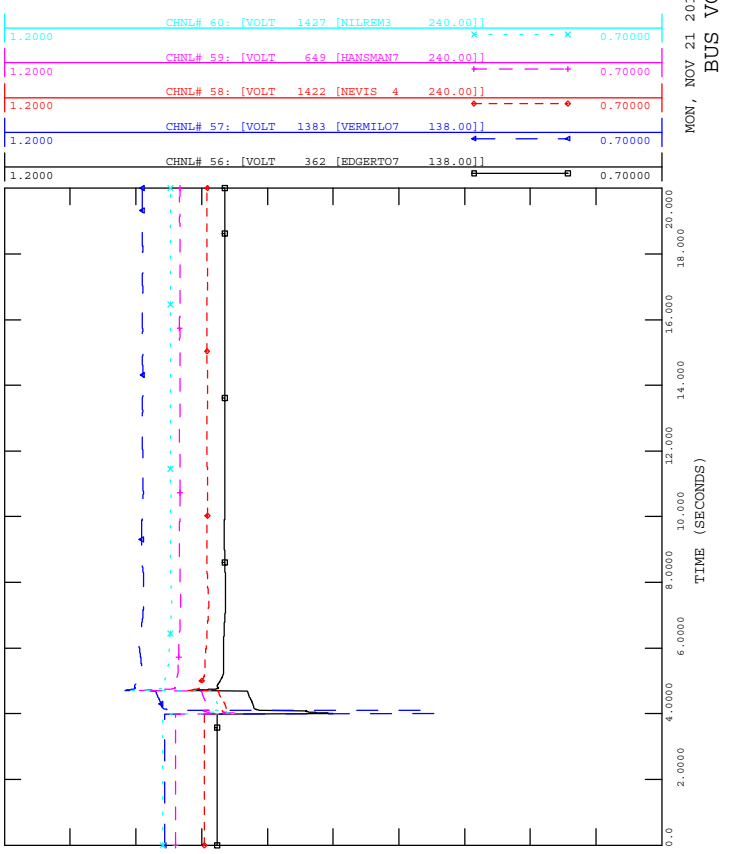
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

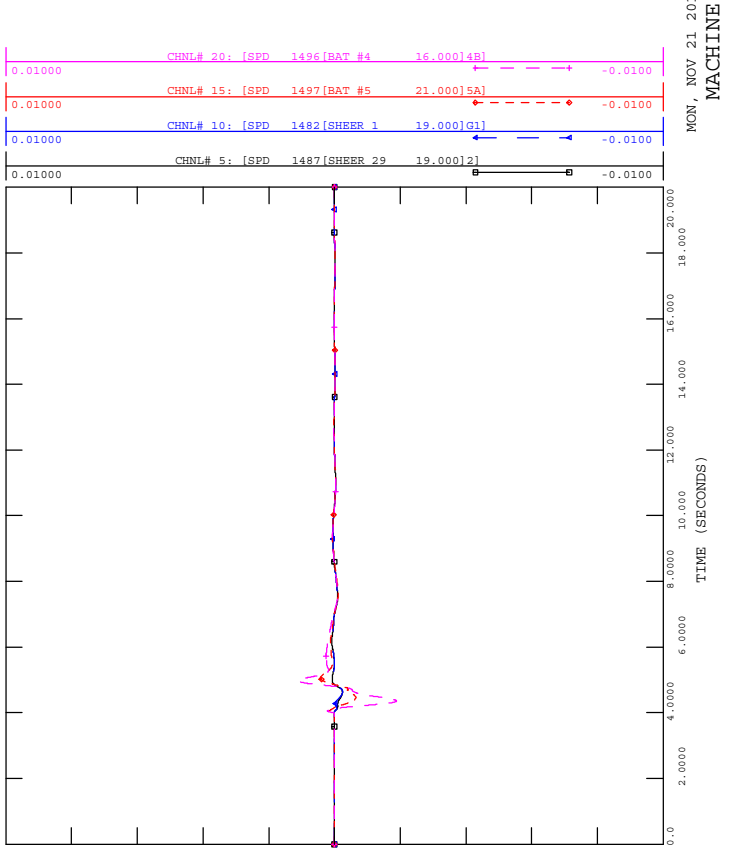


NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

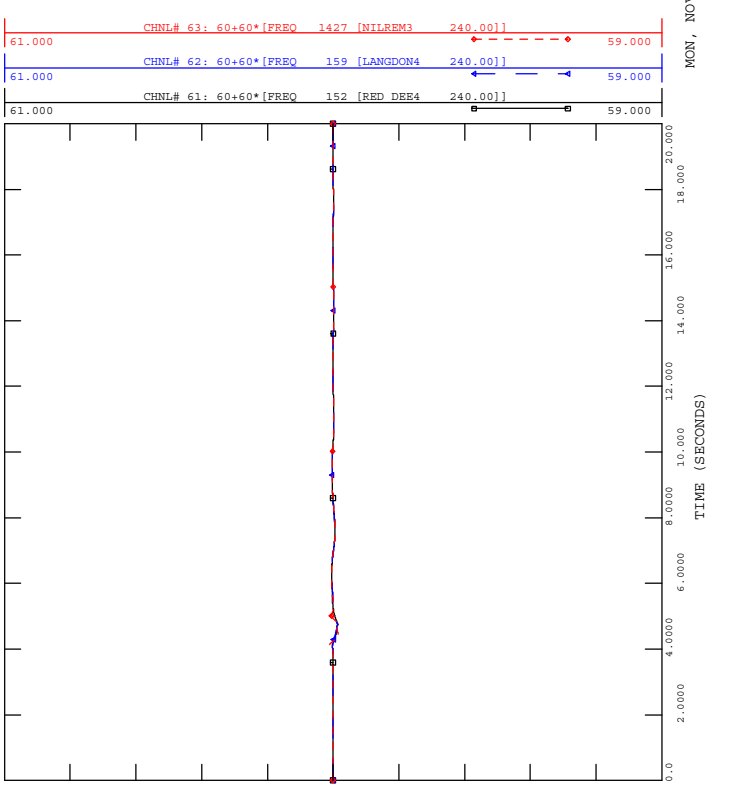


NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 12:51

FREQUENCY

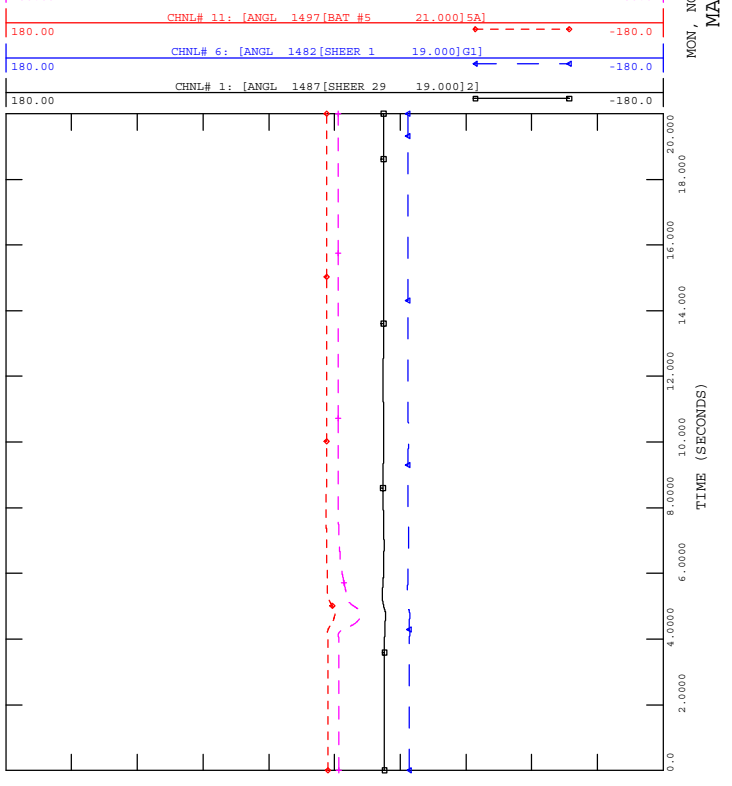


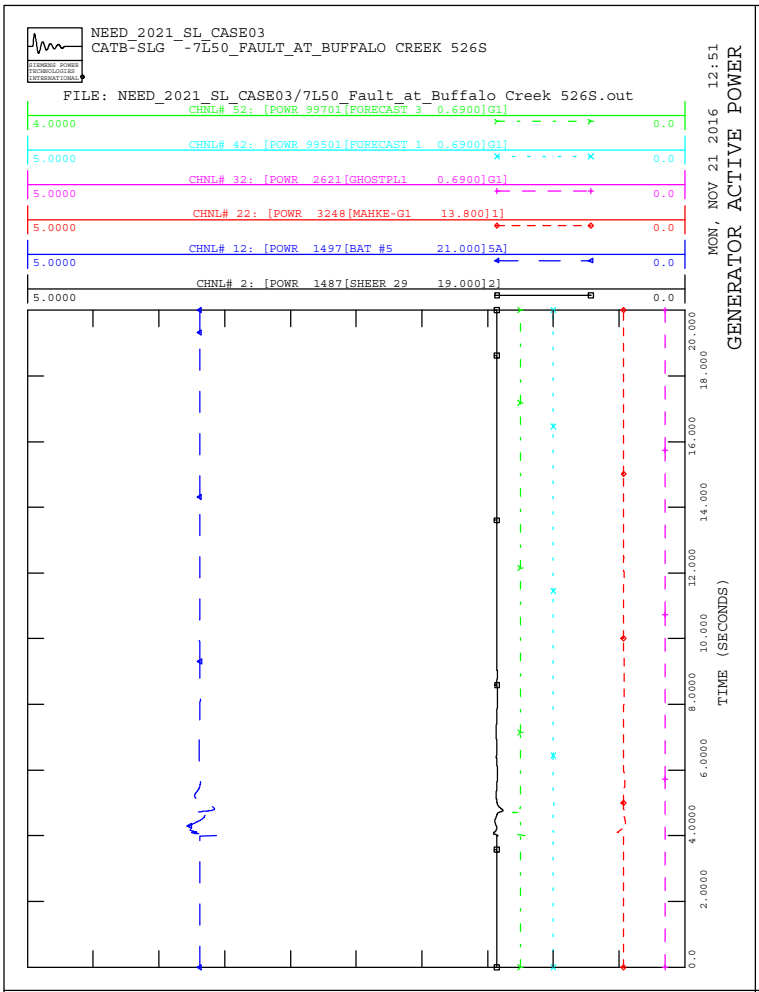
NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

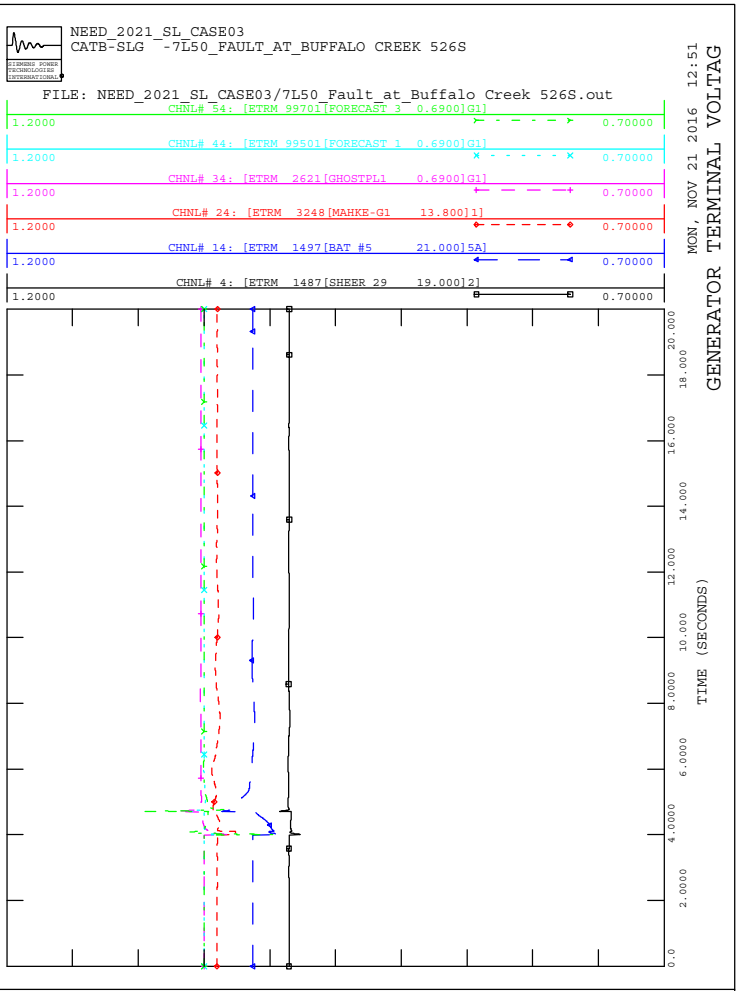
FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out

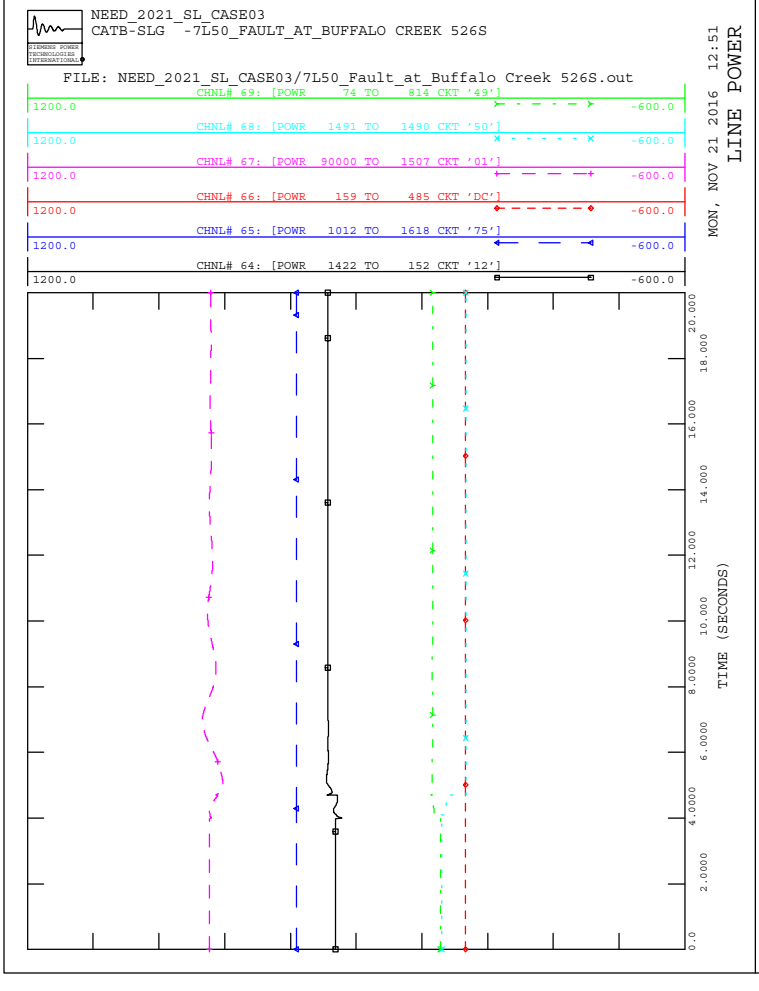
MON, NOV 21 2016 12:51

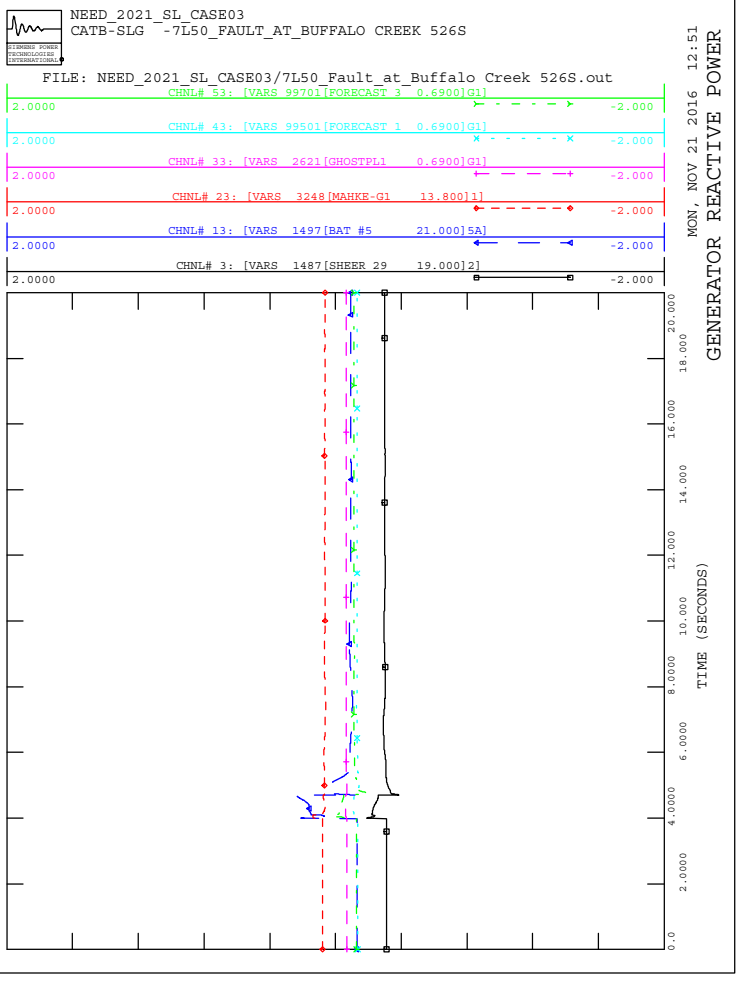
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:51
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:51
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:51
TIME (SECONDS)

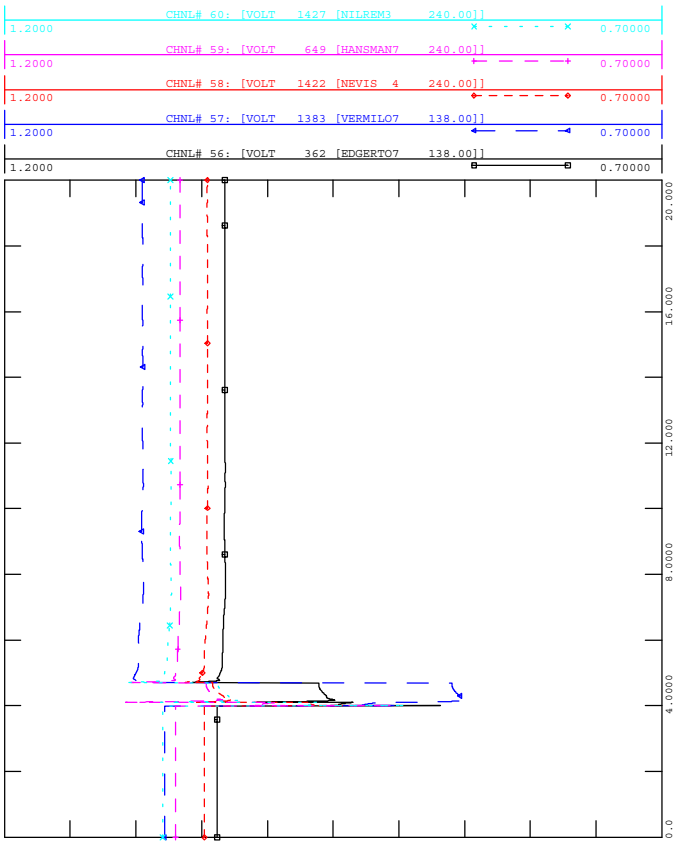

NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Buffalo Creek 526S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:51
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

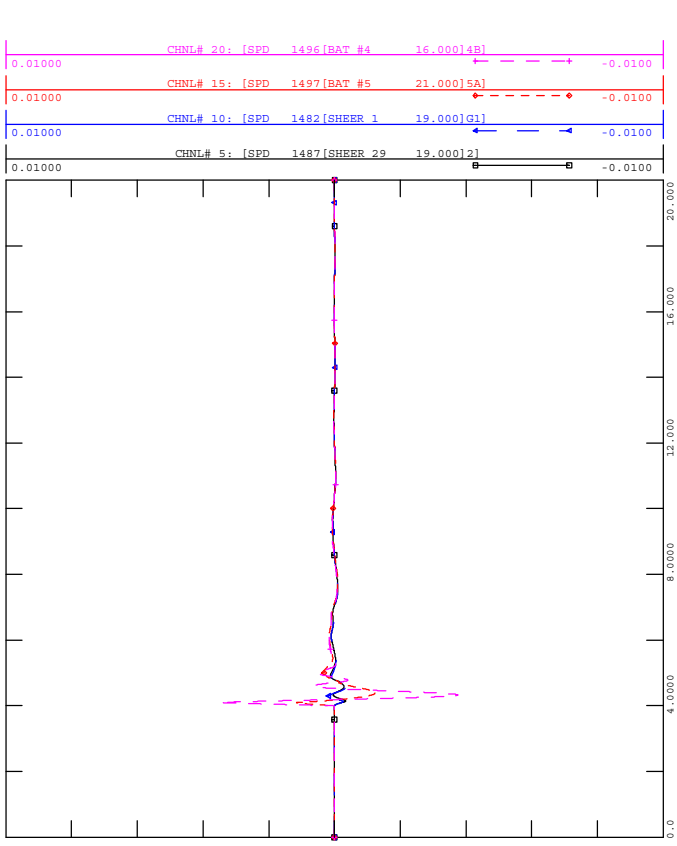


NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

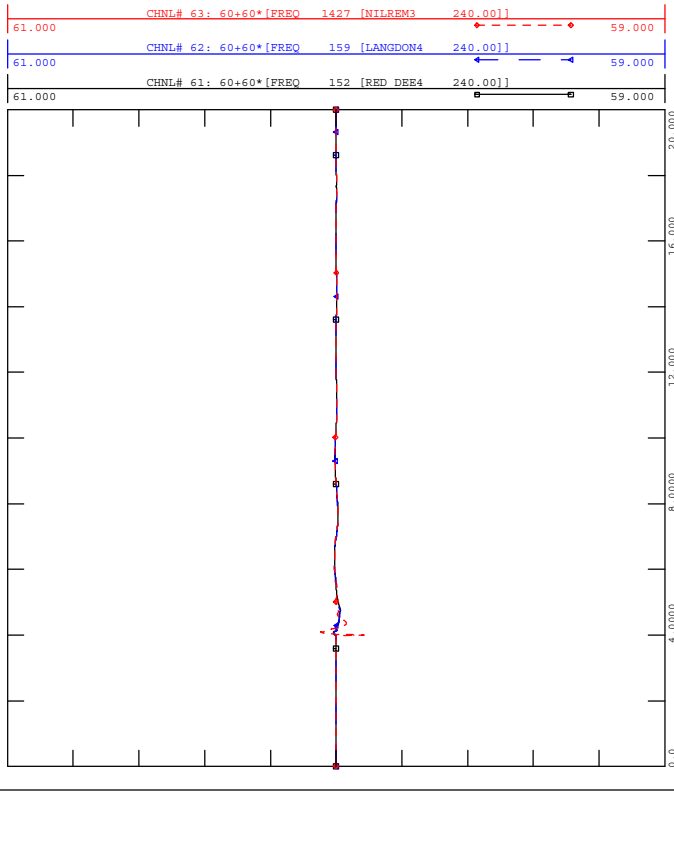


NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:51

FREQUENCY

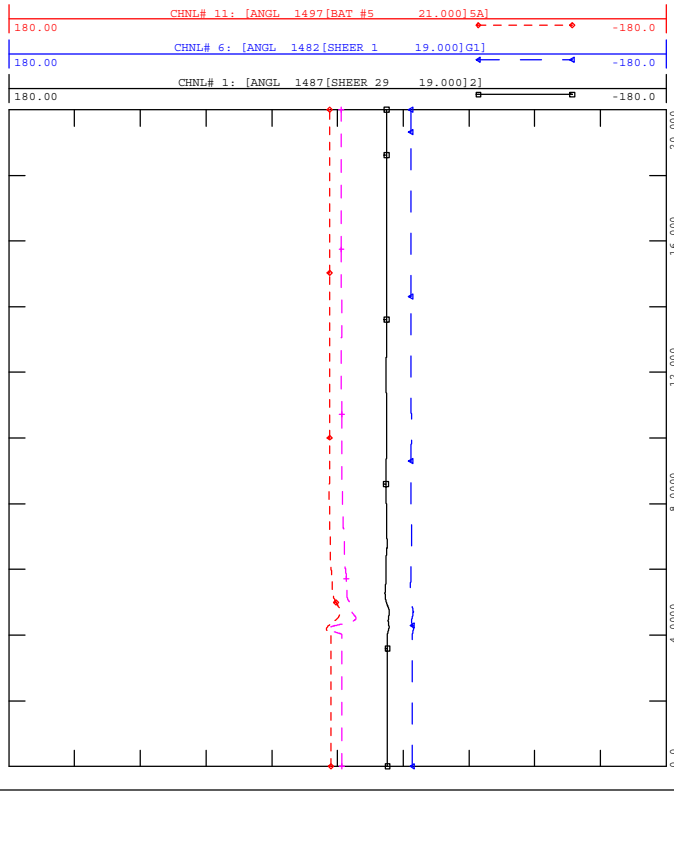


NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out

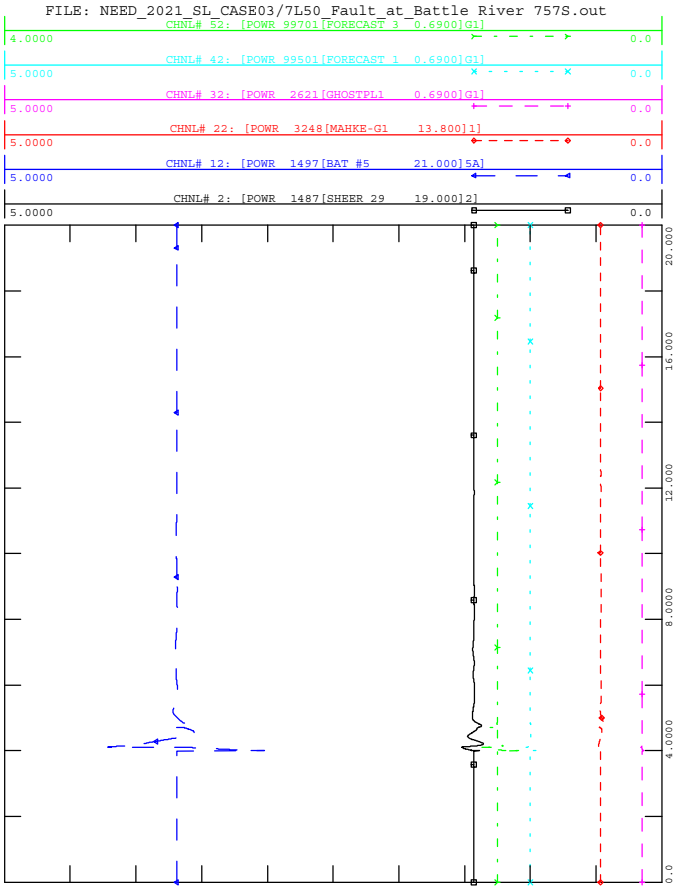
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

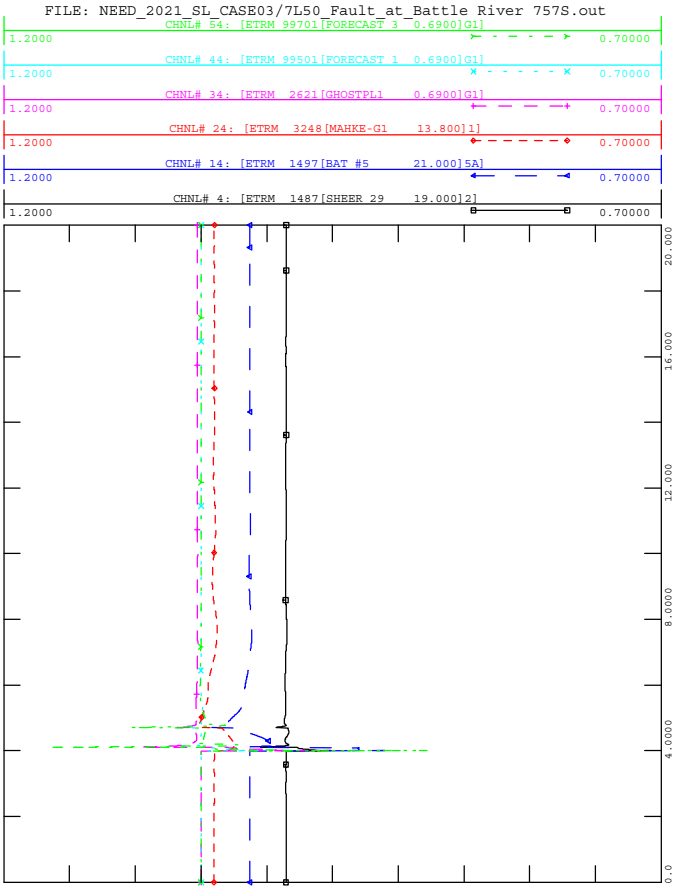
FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

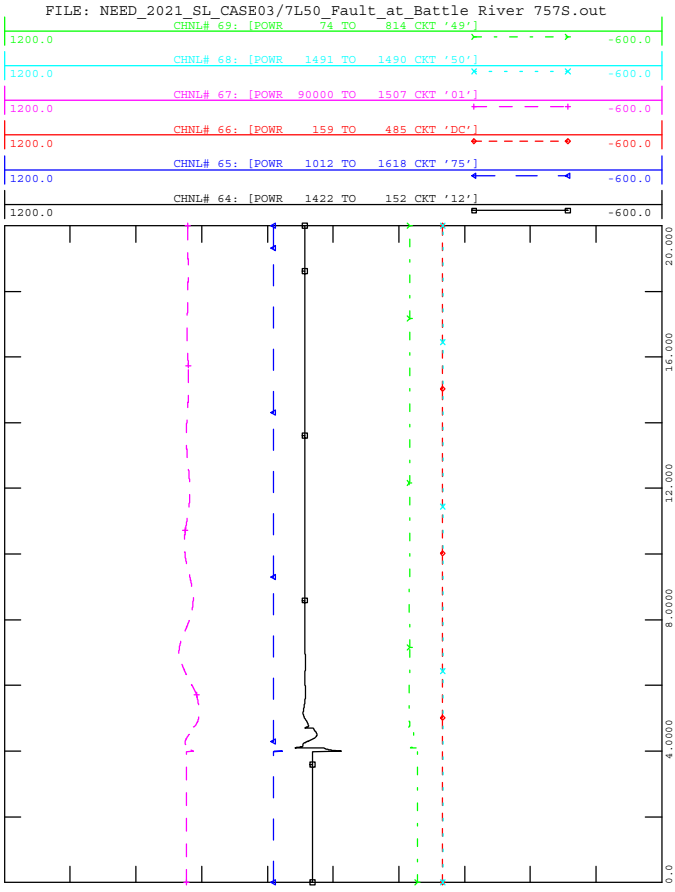
FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

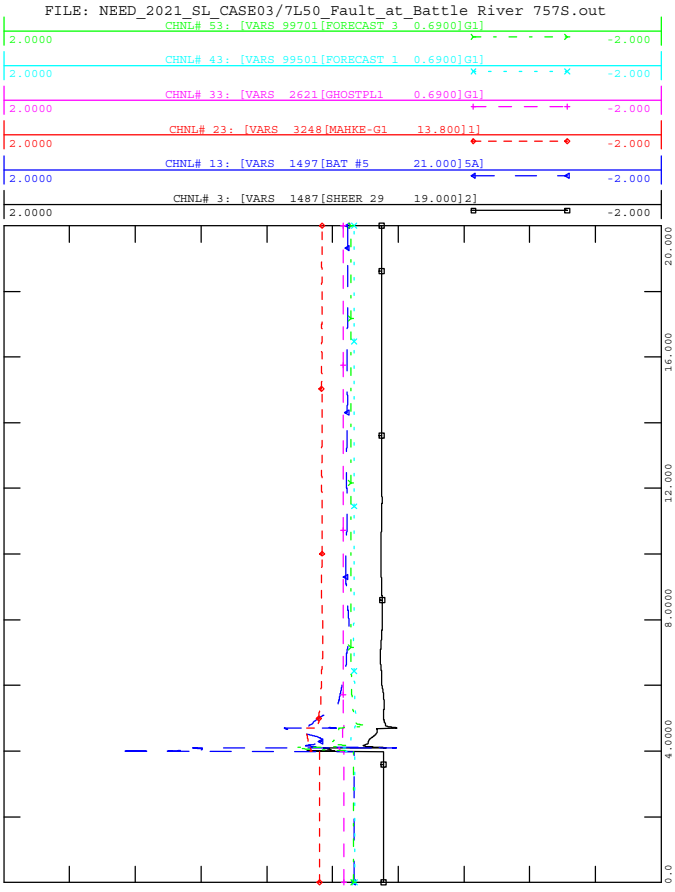
FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L50_Fault_at_Battle River 757S.out



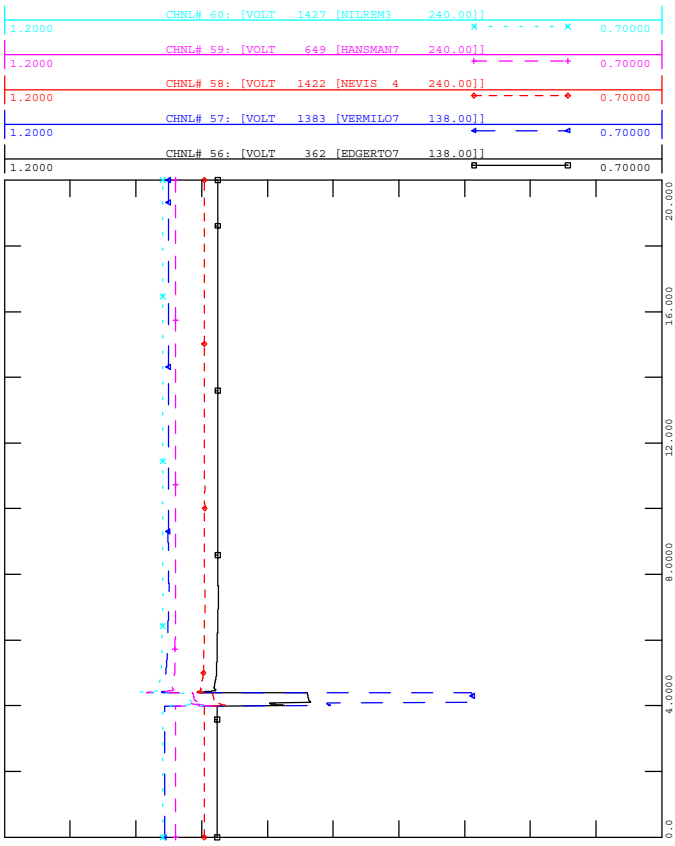
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

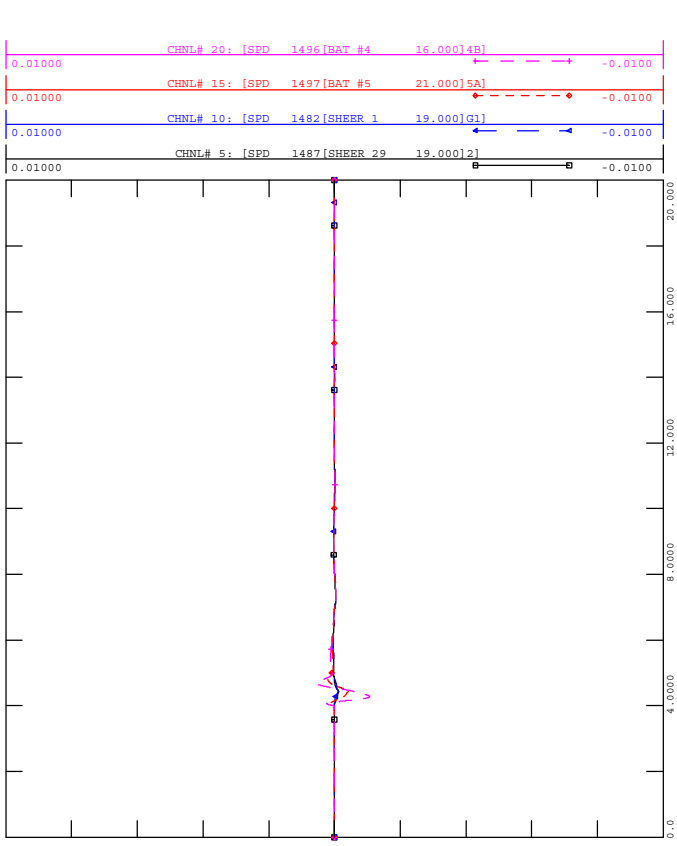


NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

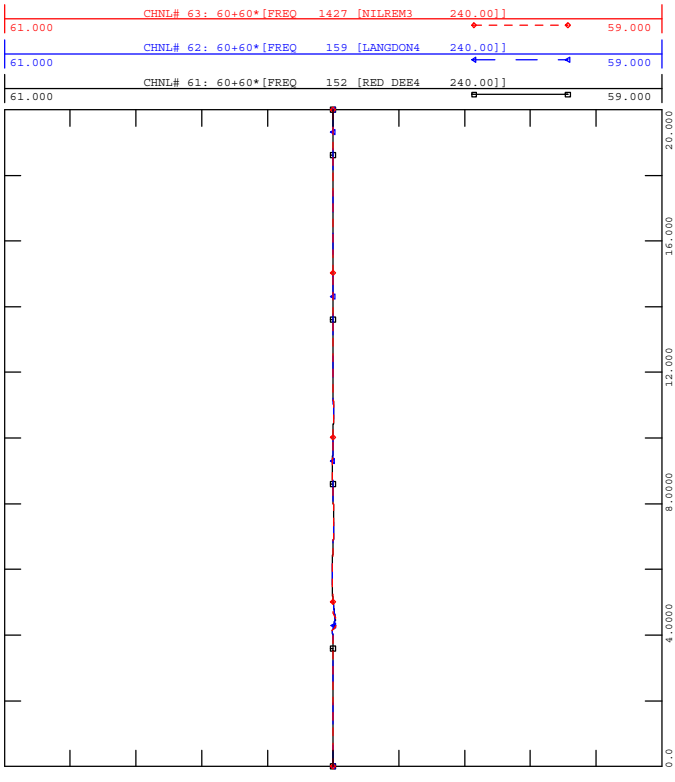


NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:51

FREQUENCY

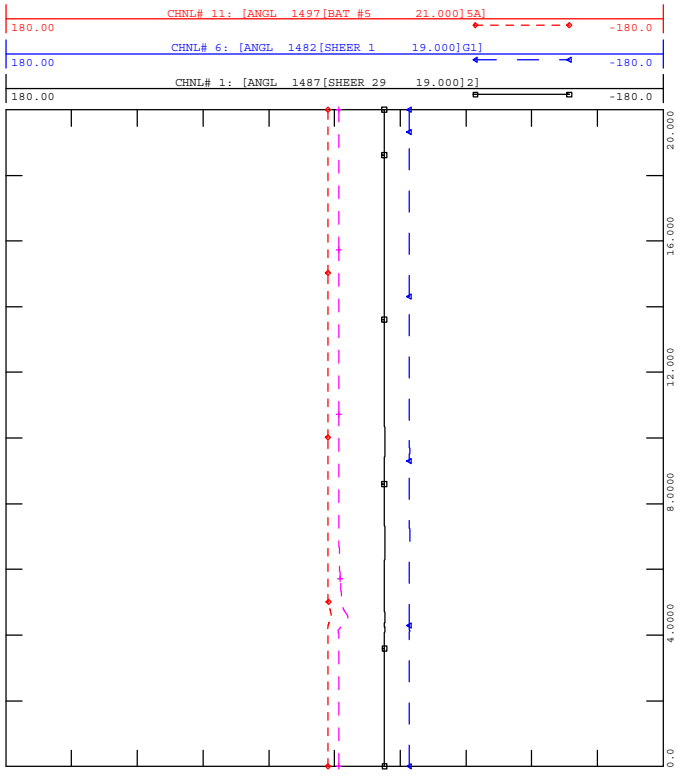


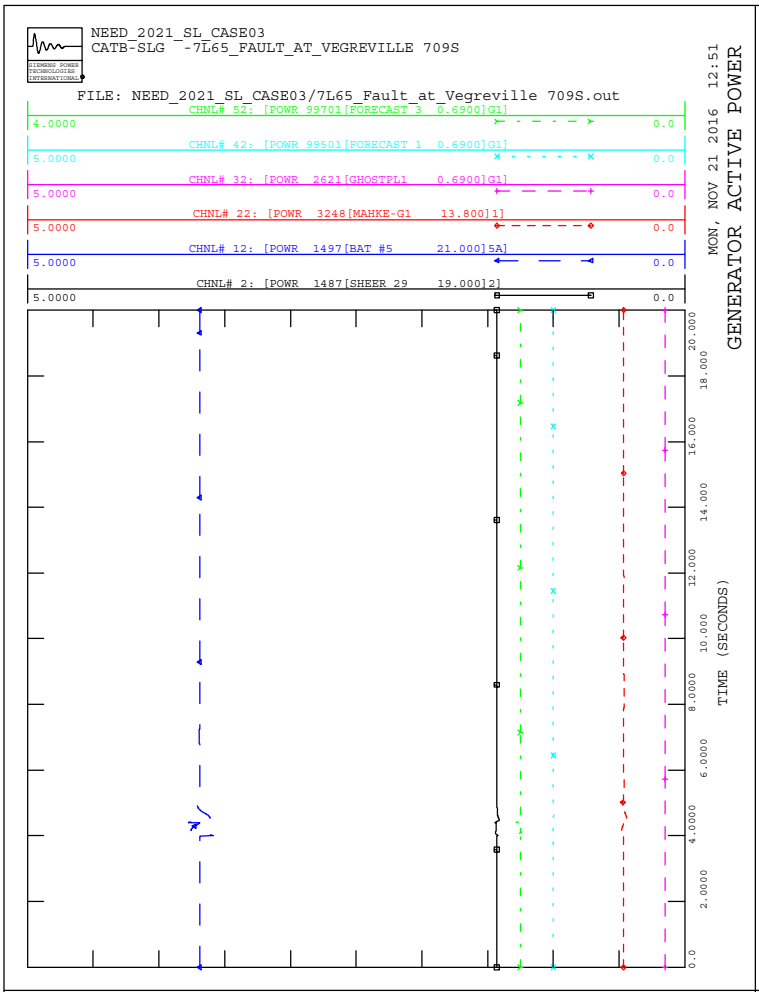
NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

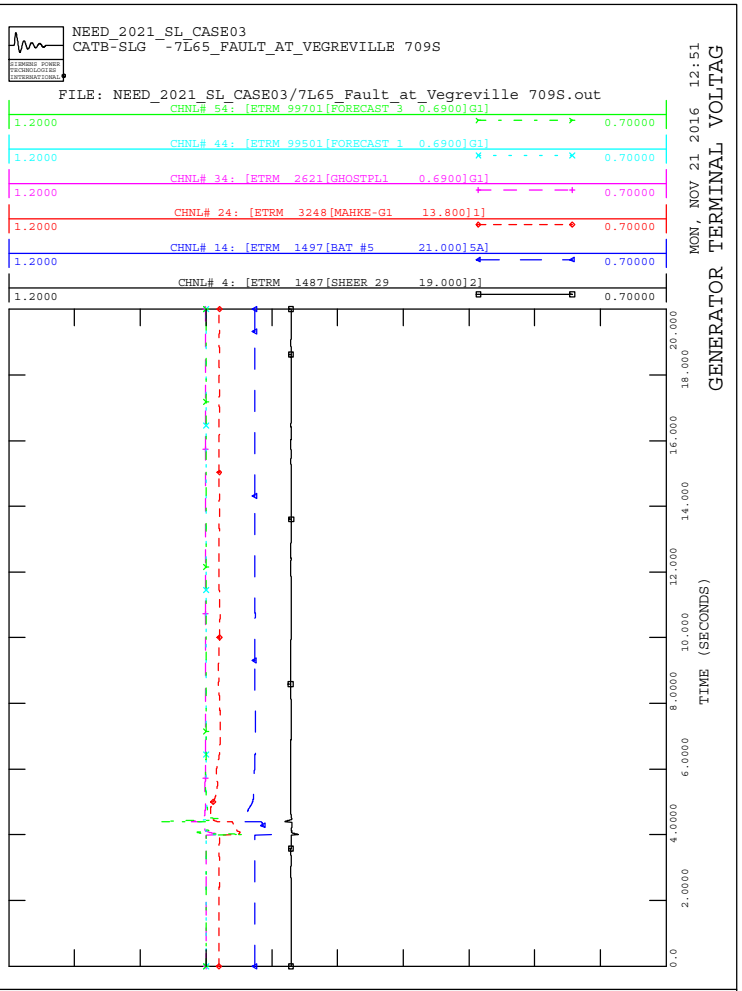
FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out

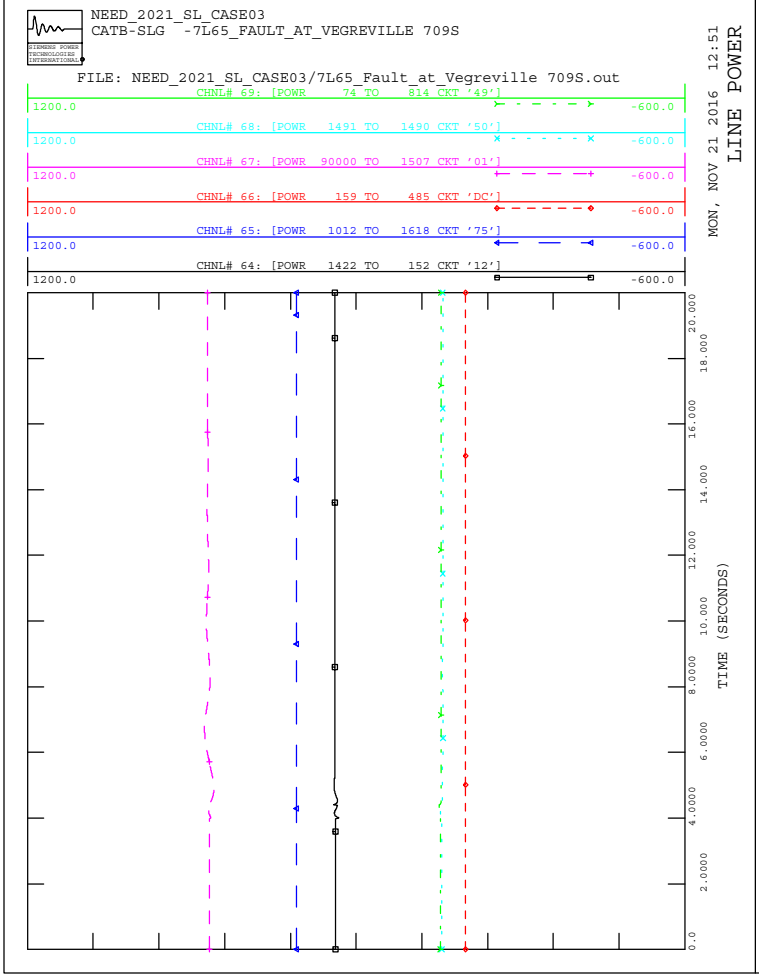
MON, NOV 21 2016 12:51

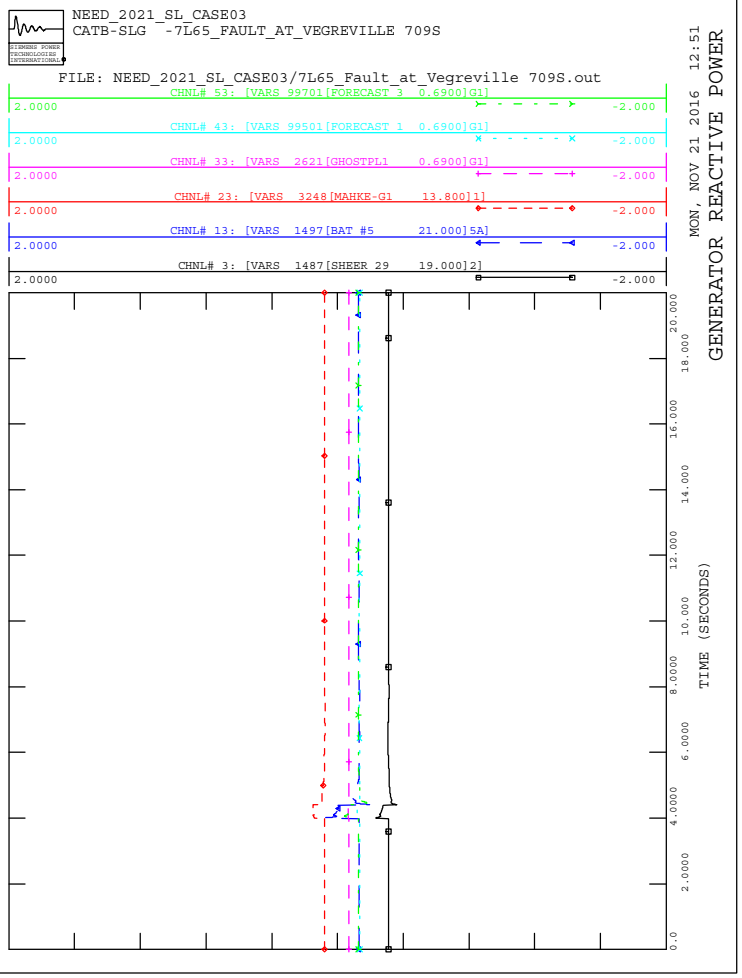
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

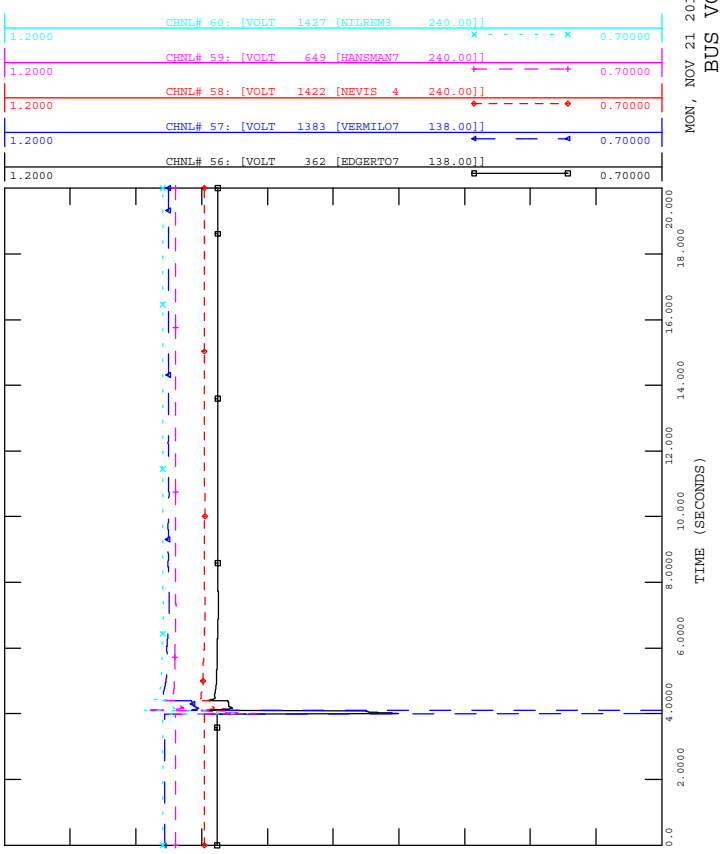

NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:51
LINE POWER


NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vegreville 709S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out

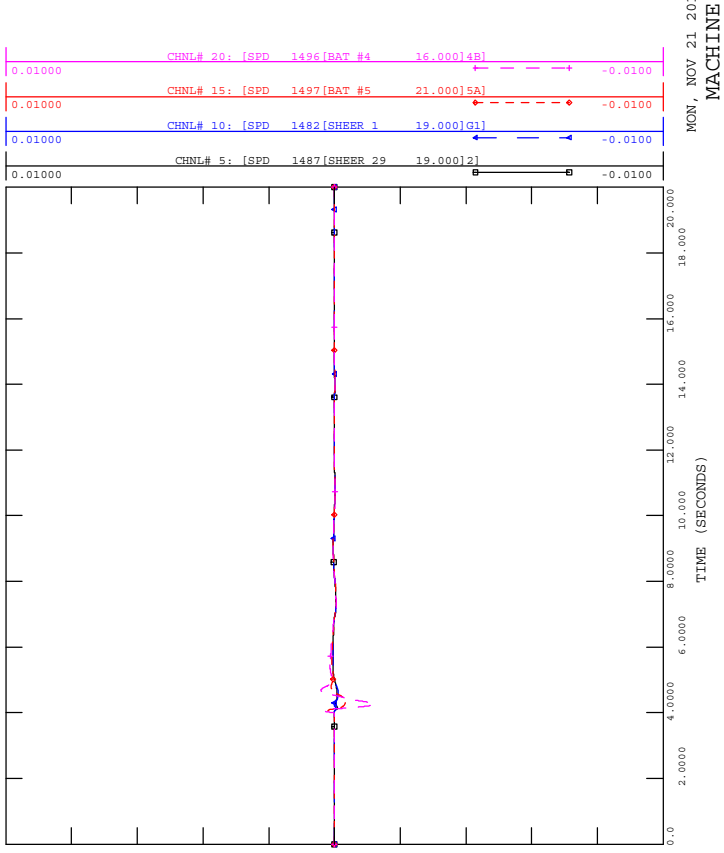


MON, NOV 21 2016 12:51

BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out

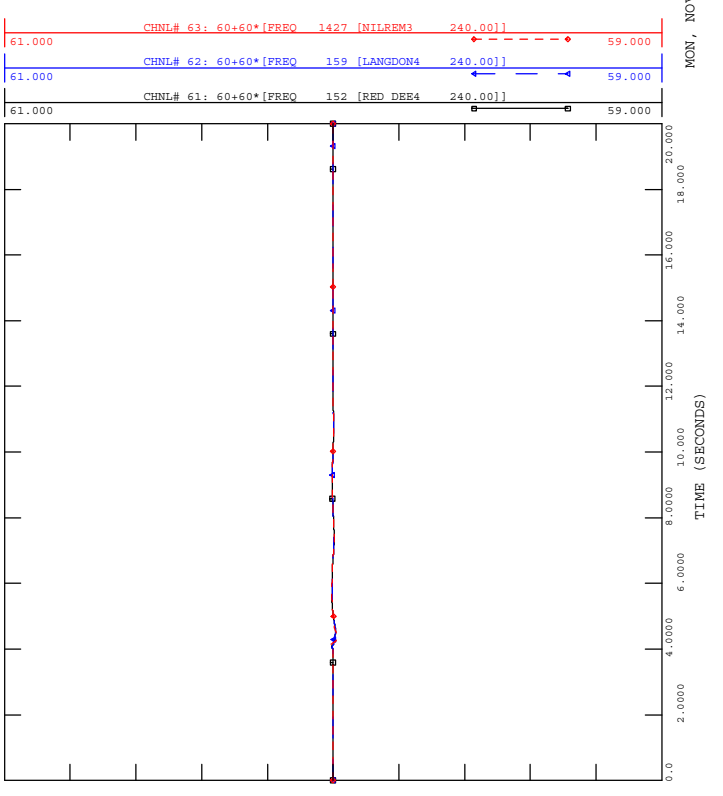


MON, NOV 21 2016 12:51

MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out

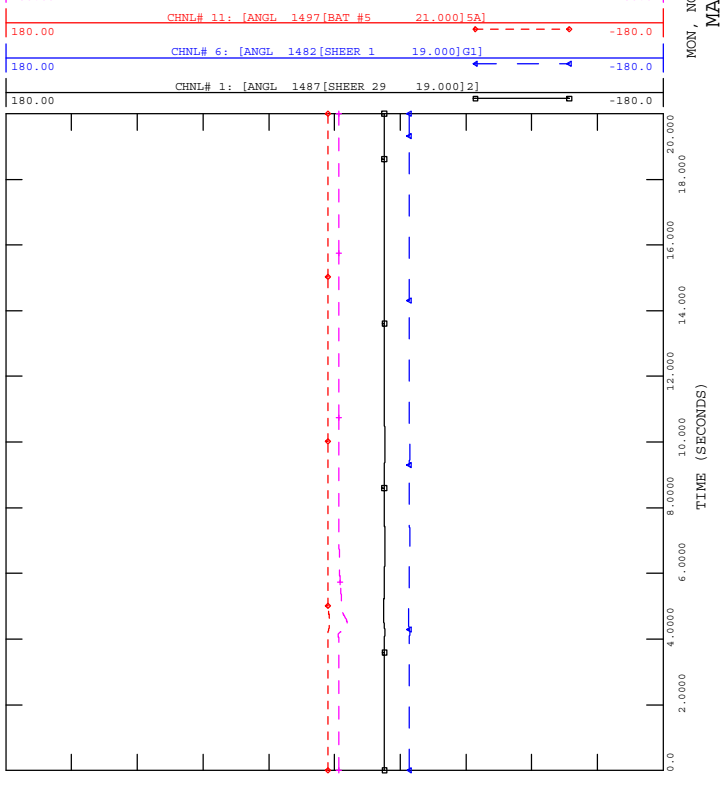


MON, NOV 21 2016 12:51

FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out

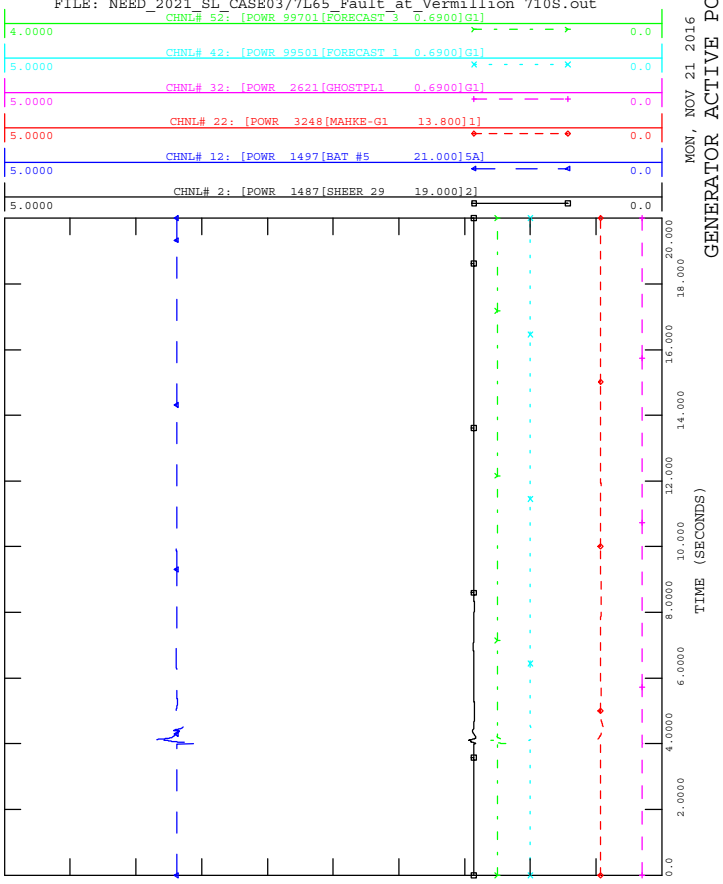


MON, NOV 21 2016 12:51

MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out

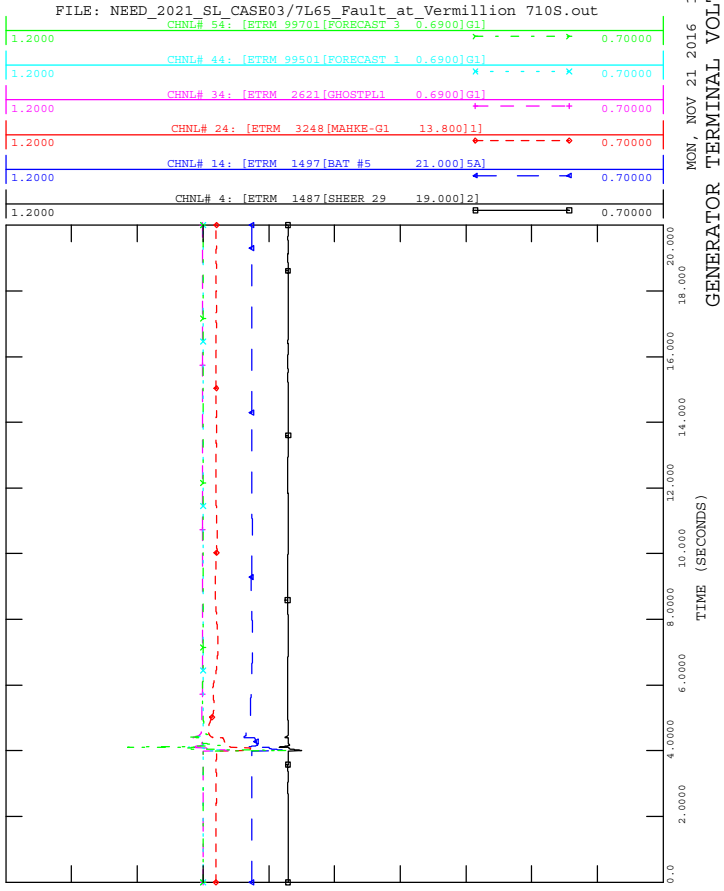


MON, NOV 21 2016 12:51

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out

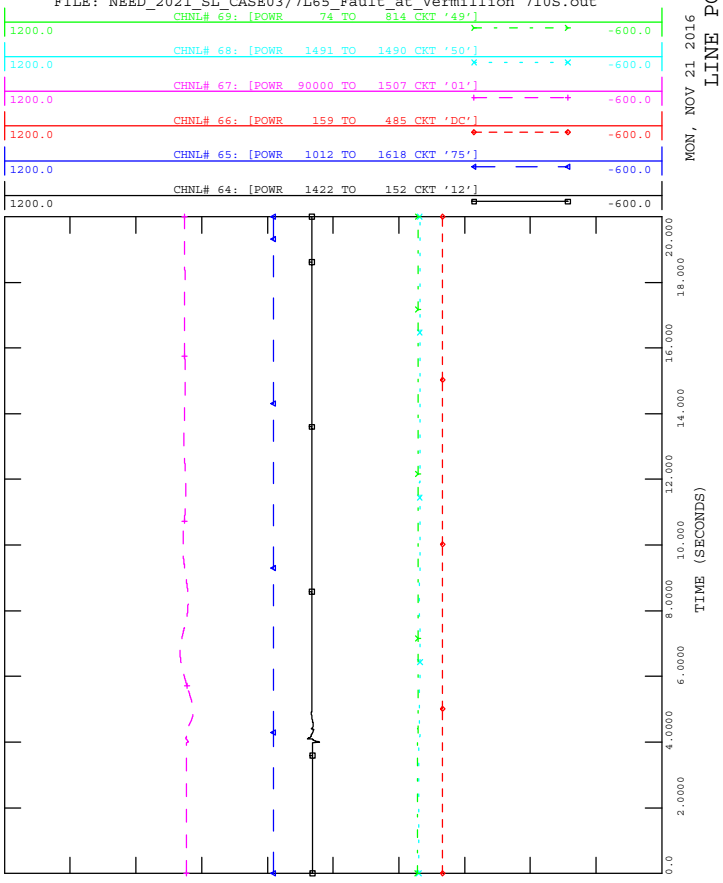


MON, NOV 21 2016 12:51

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out

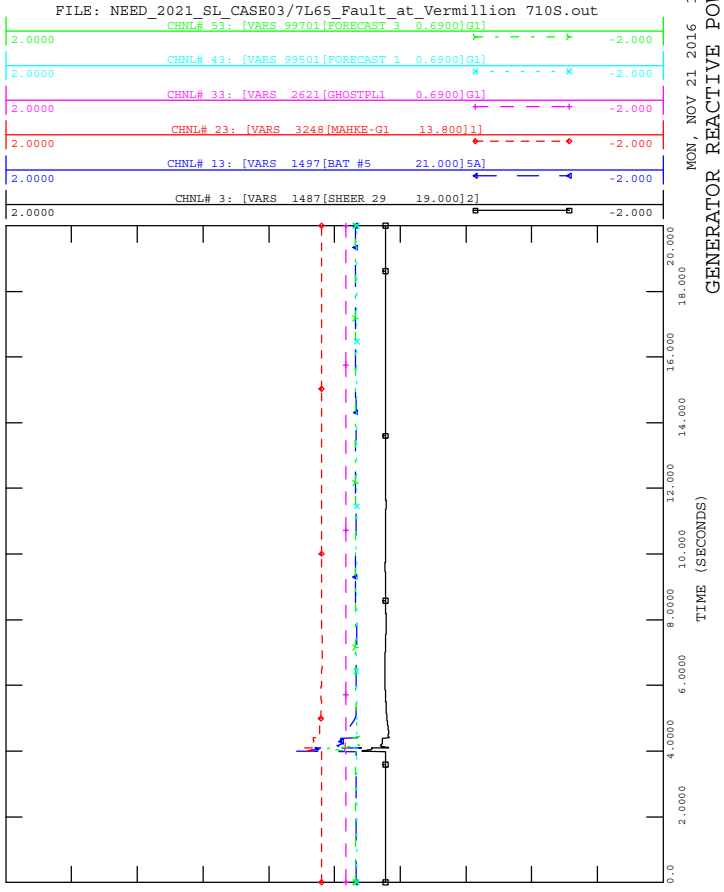


MON, NOV 21 2016 12:51

LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_SL_CASE03/7L65_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 12:51

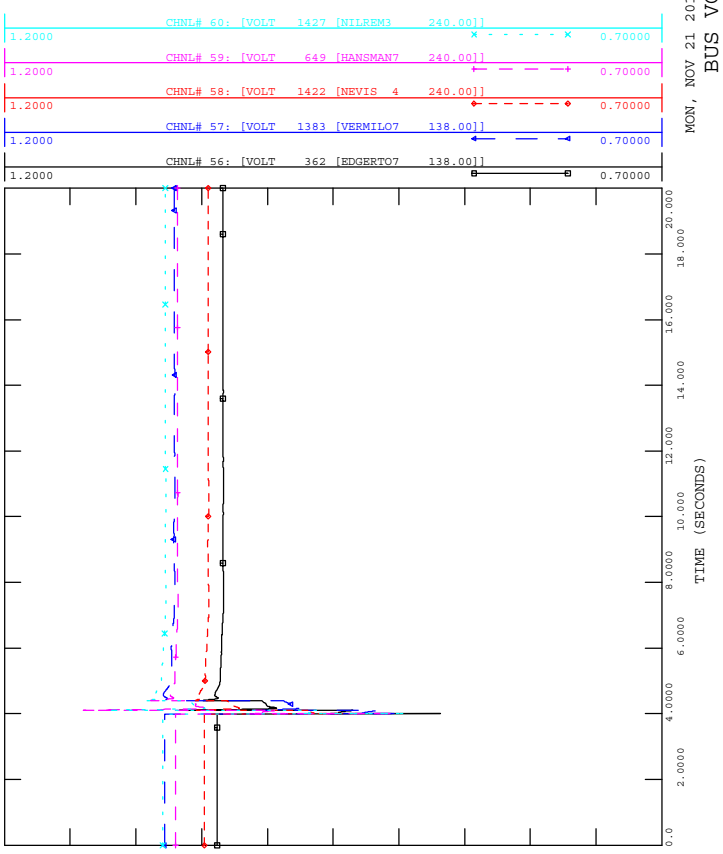
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

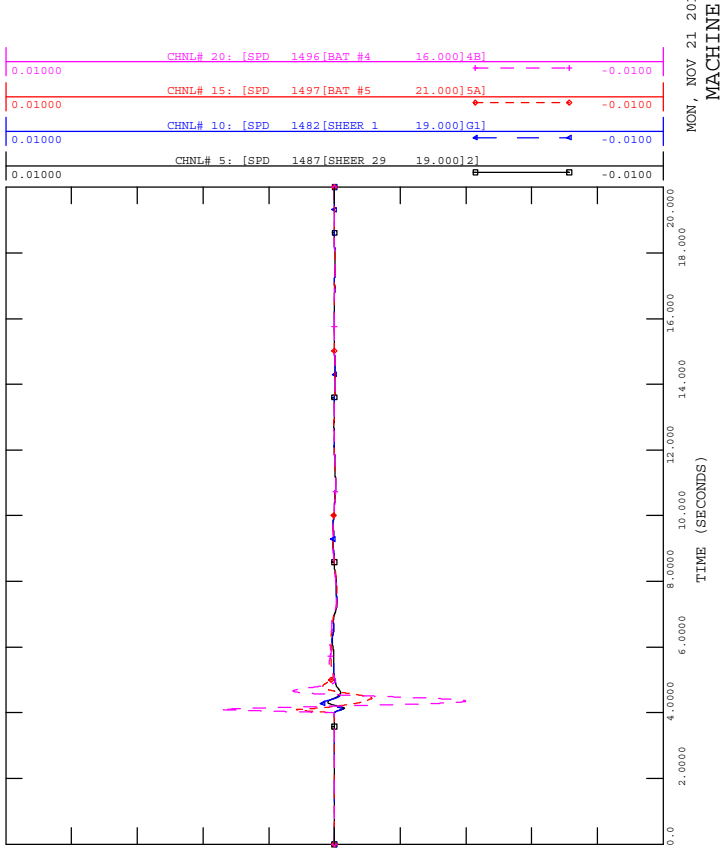


NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

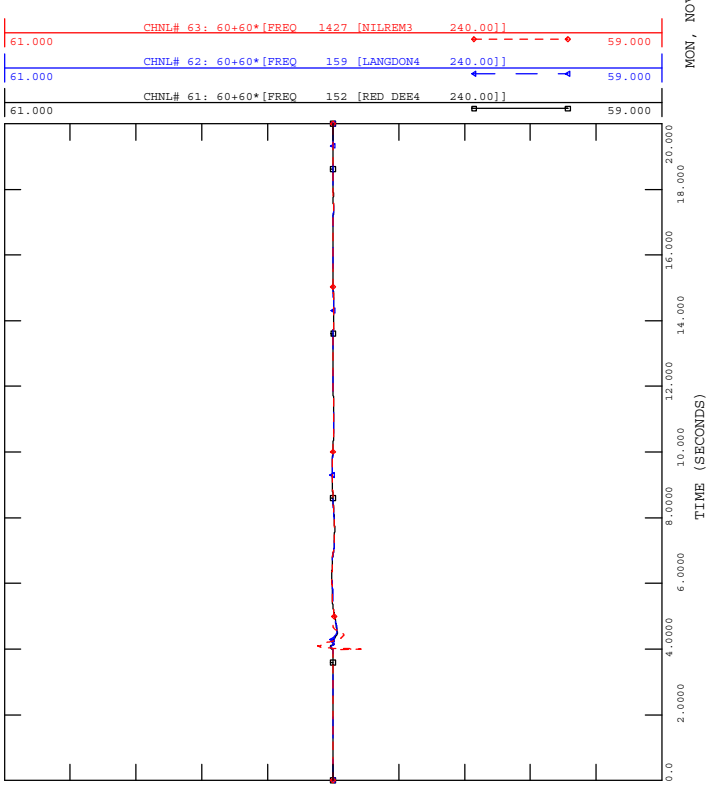


NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:51

FREQUENCY

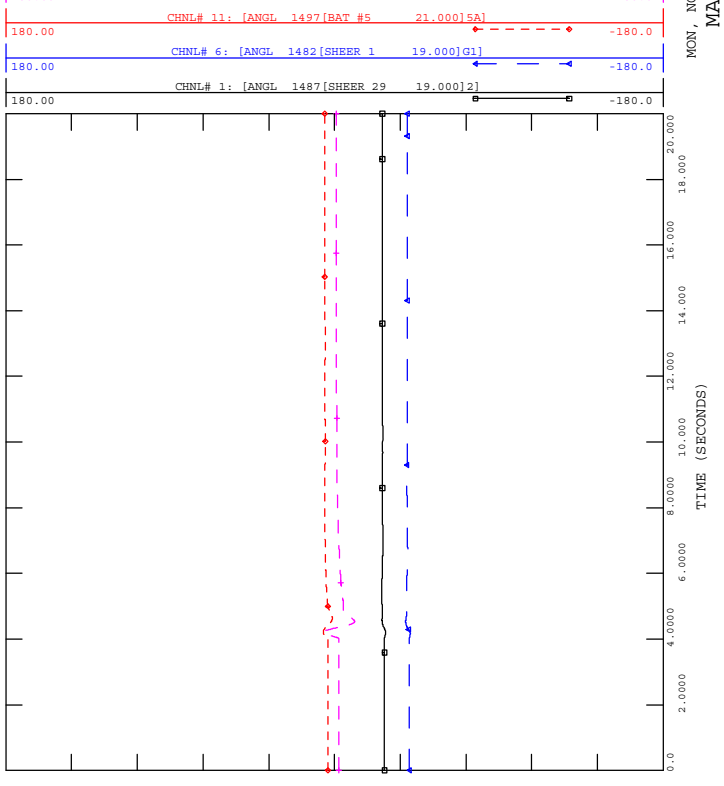


NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out

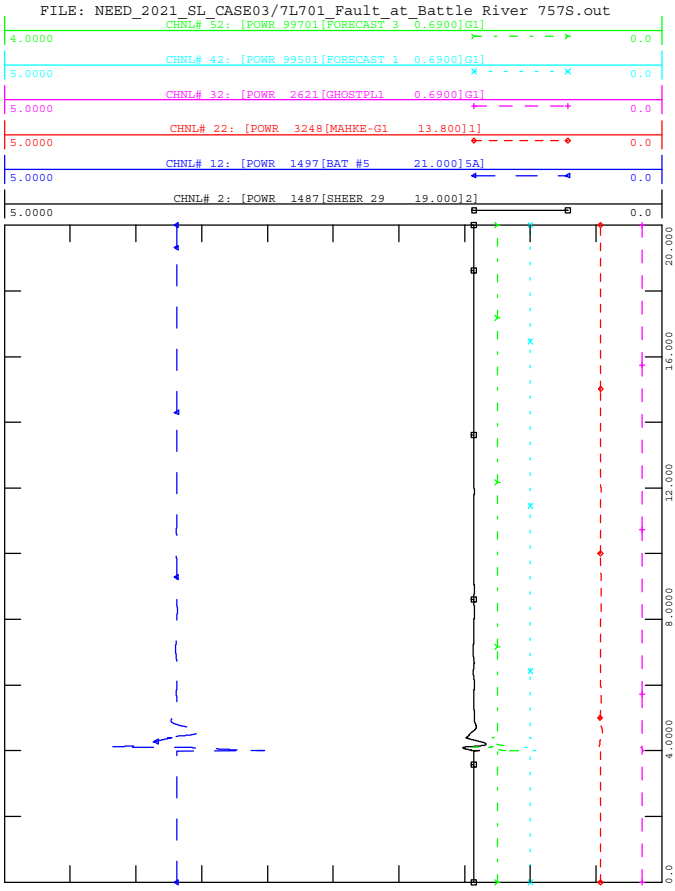
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

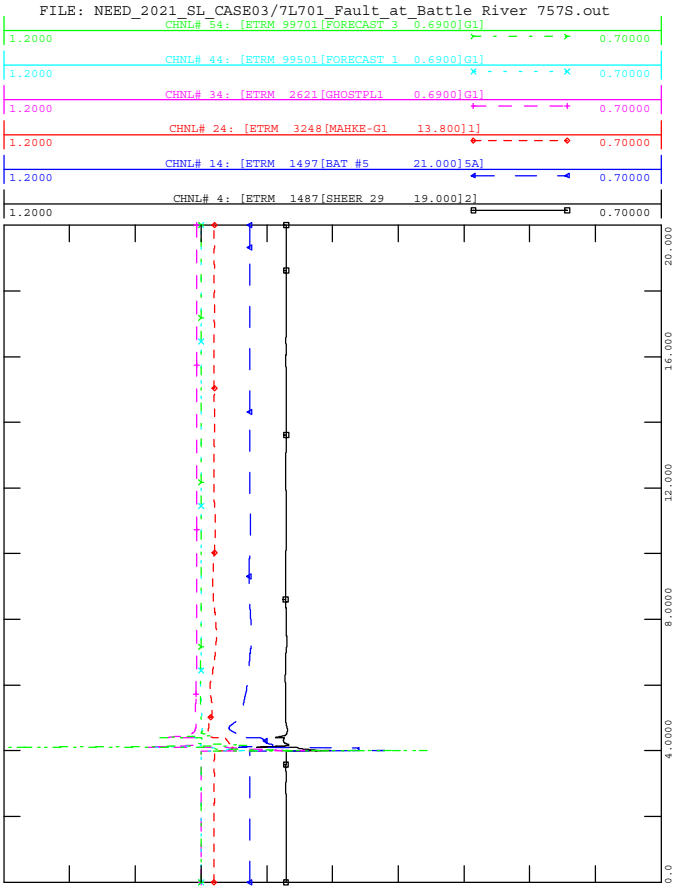
FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

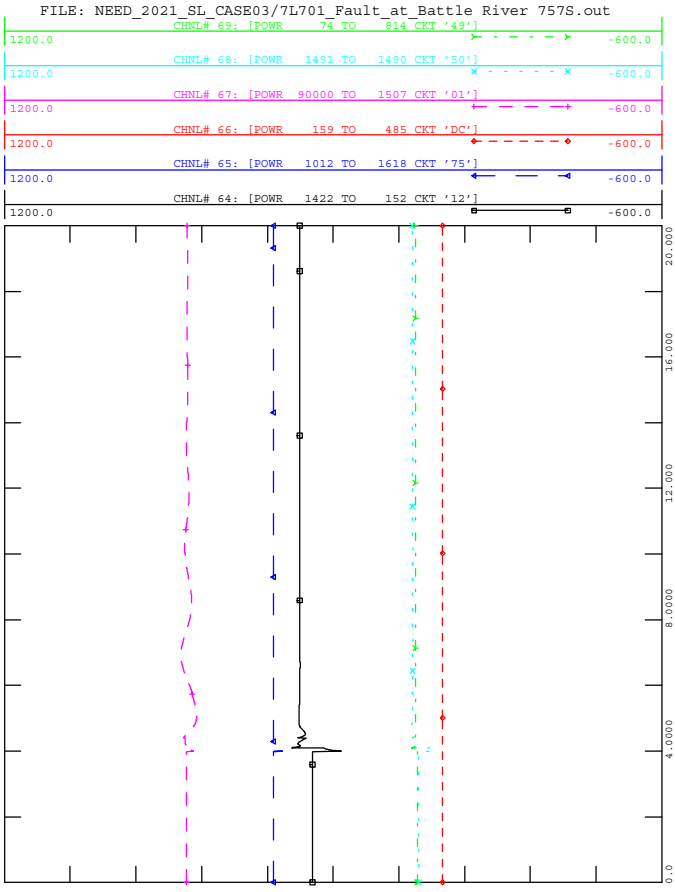
FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

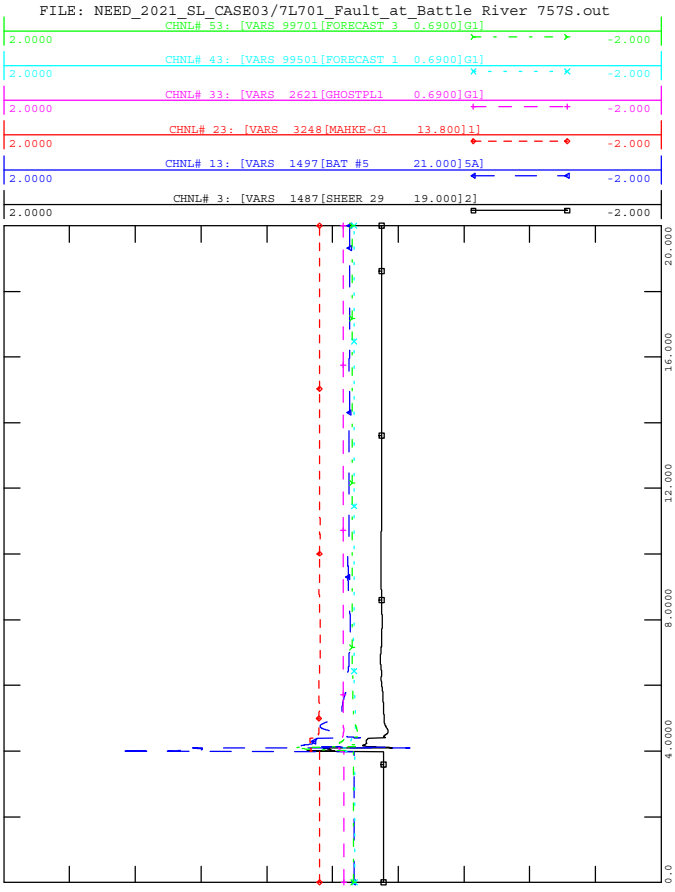
FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Battle River 757S.out



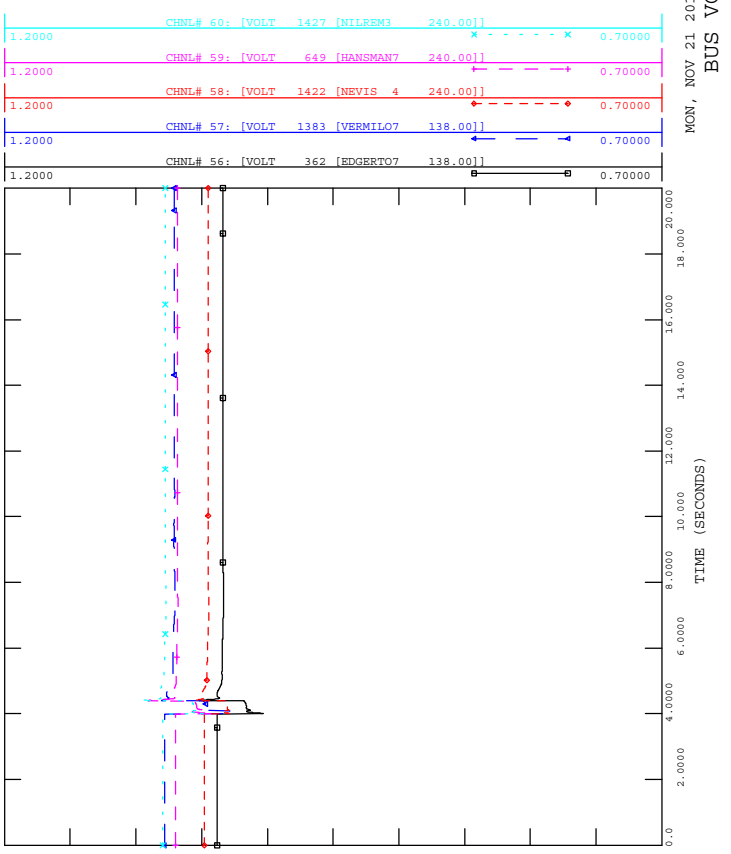
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

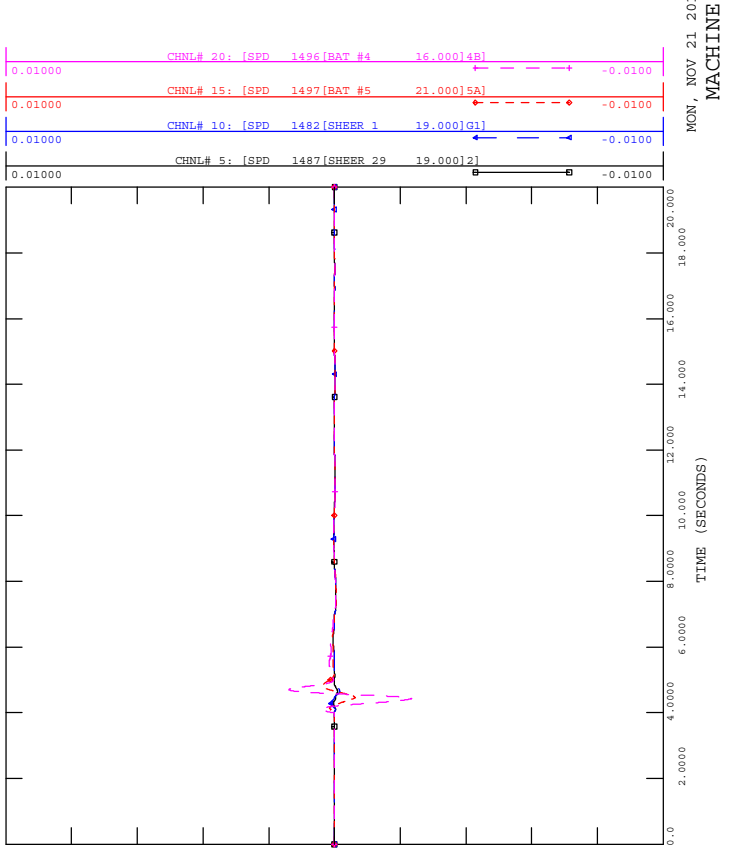


NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

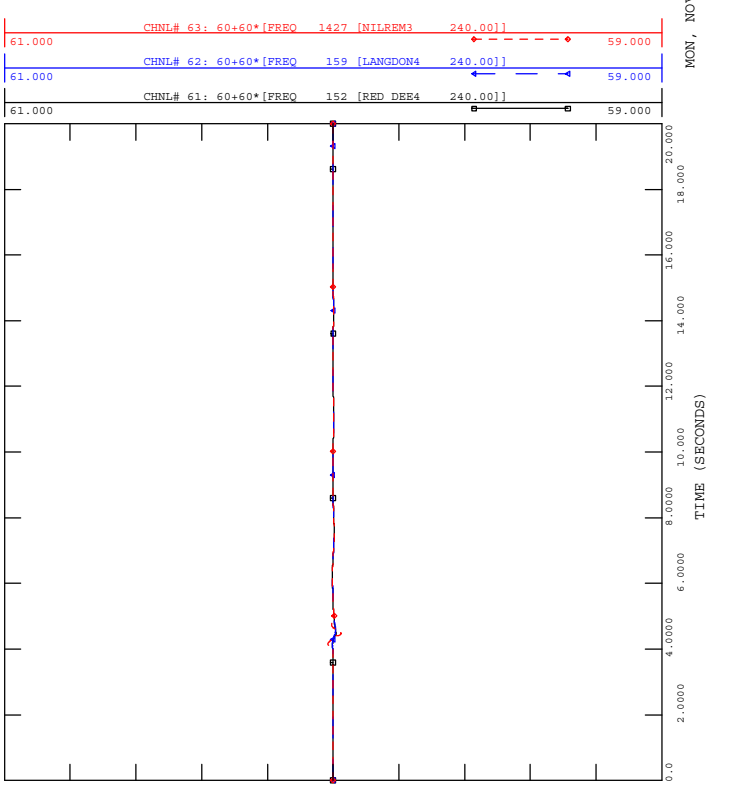


NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:51

FREQUENCY

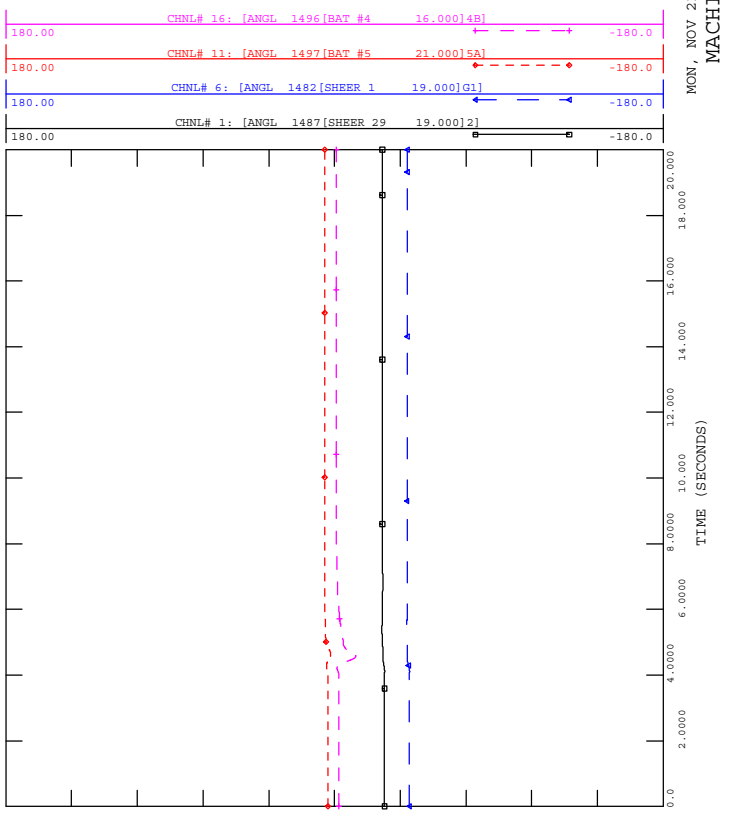


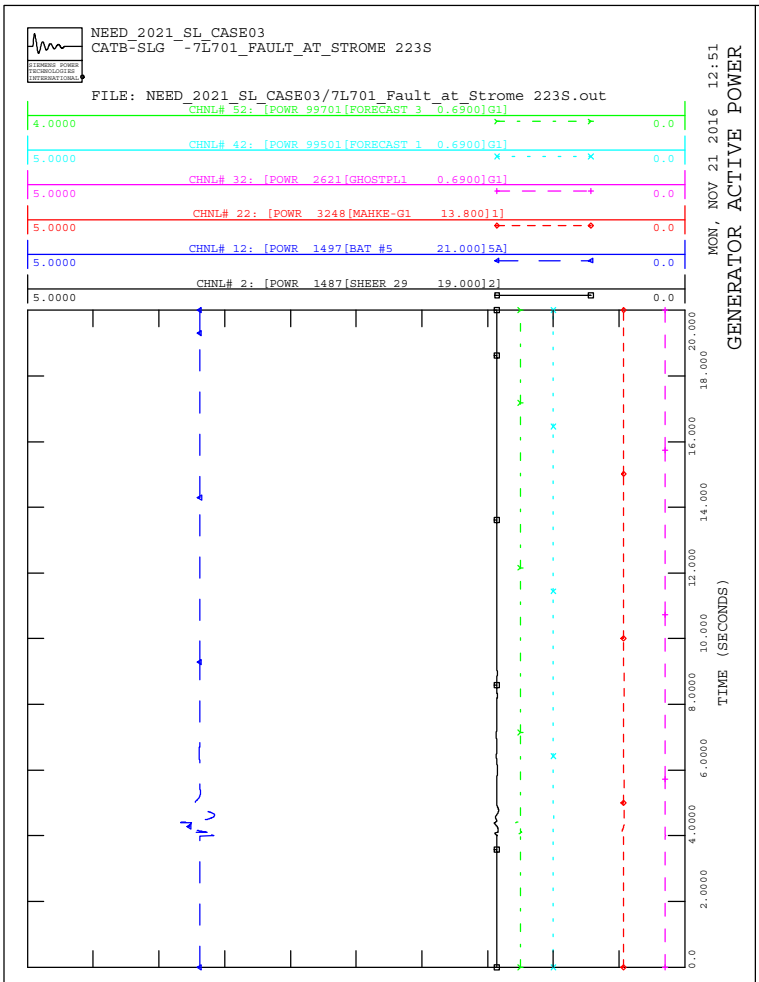
NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:51

MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_STROME 223S
FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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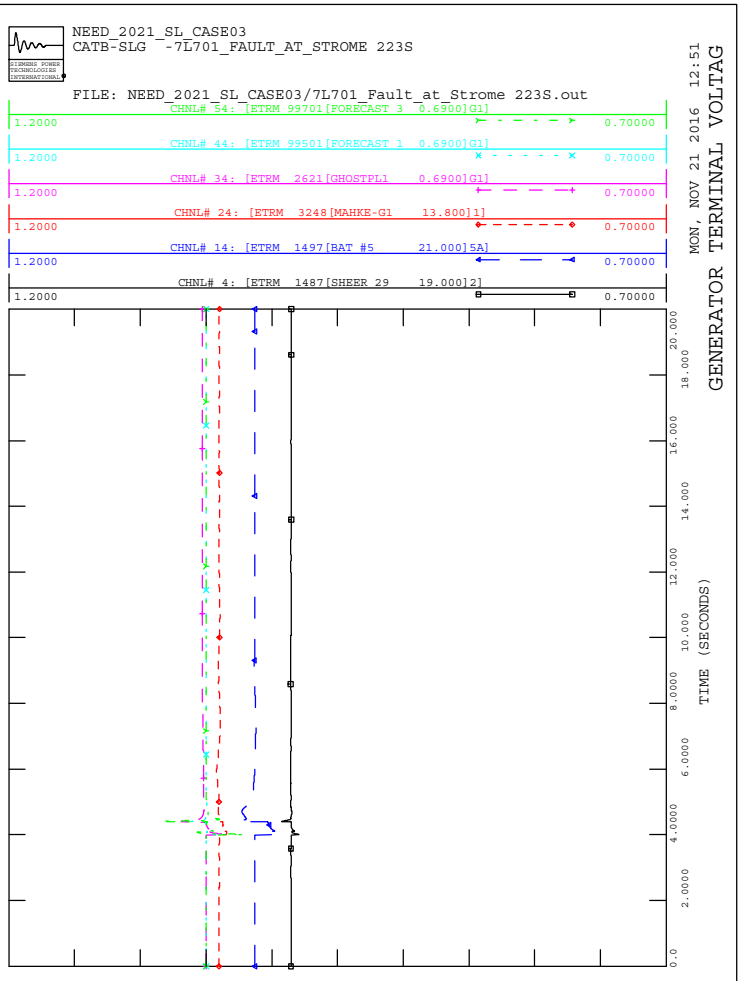
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_STROME 223S
FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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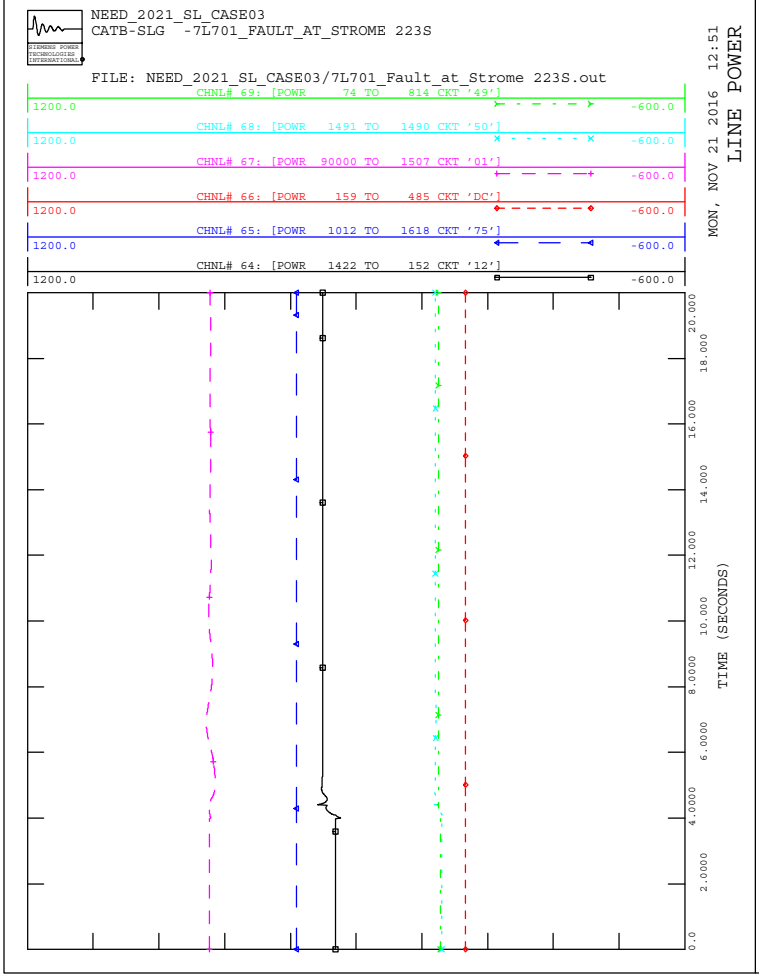
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_STROME 223S
FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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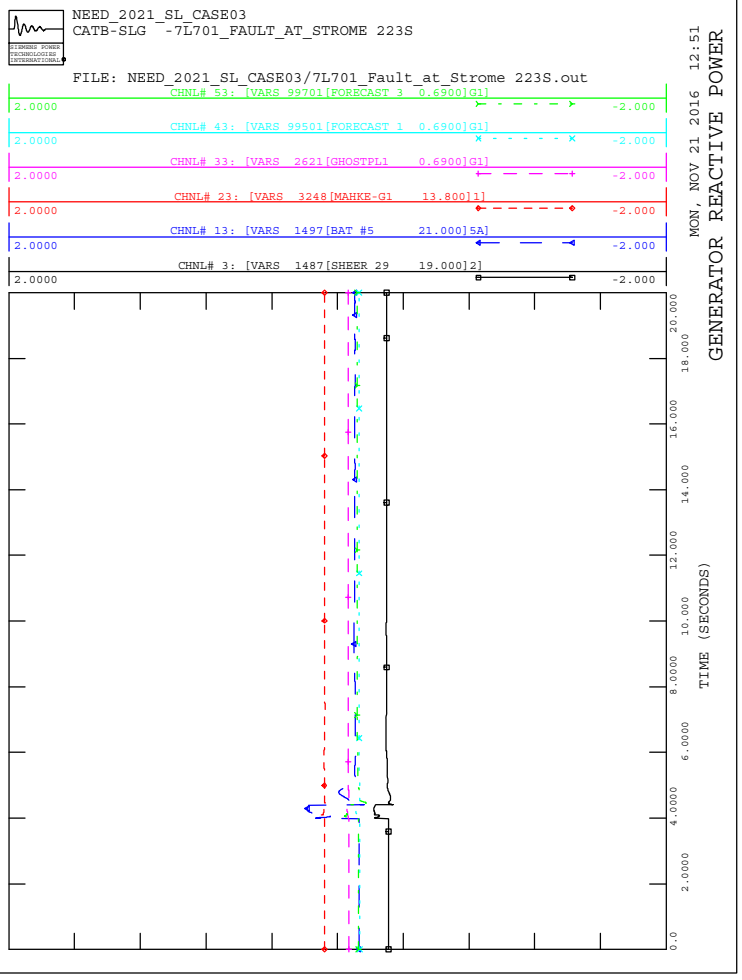
TIME (SECONDS)
MON, NOV 21 2016 12:51
LINE POWER


NEED_2021_SL_CASE03
CATB-SLG -7L701_FAULT_AT_STROME 223S
FILE: NEED_2021_SL_CASE03/7L701_Fault_at_Strome 223S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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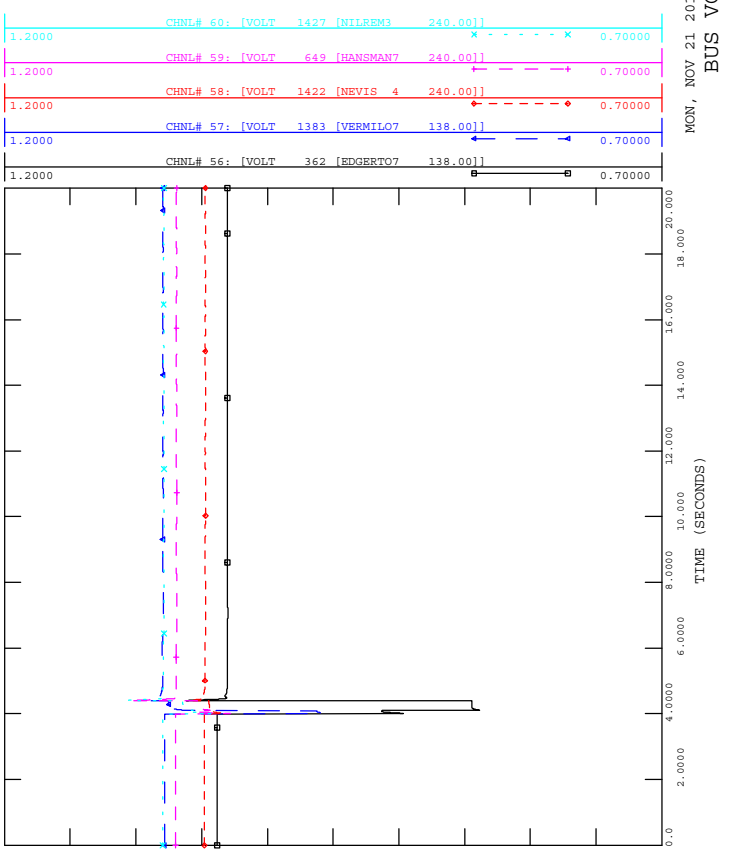
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

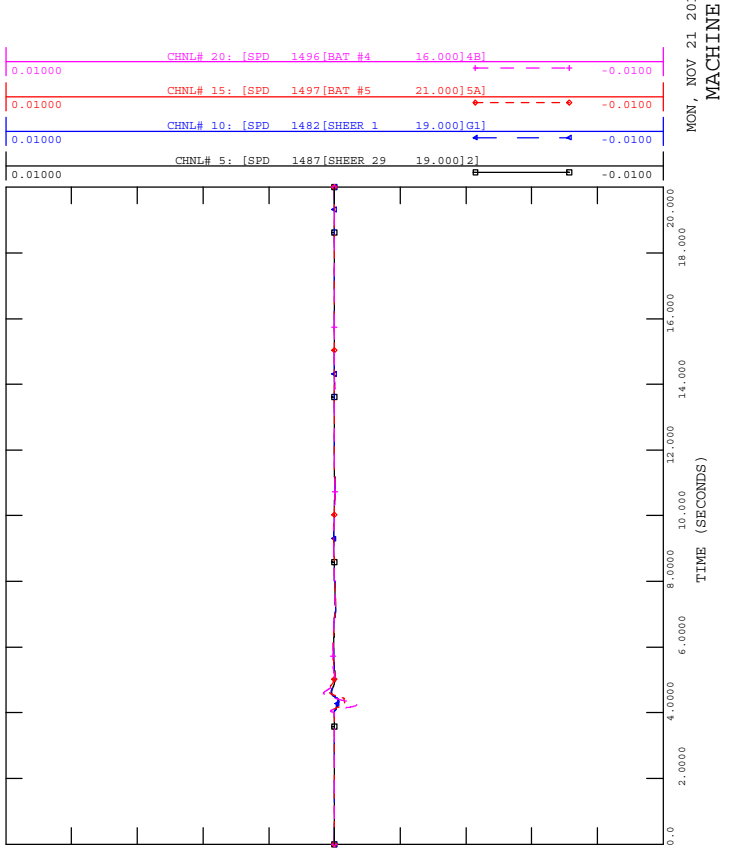


NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

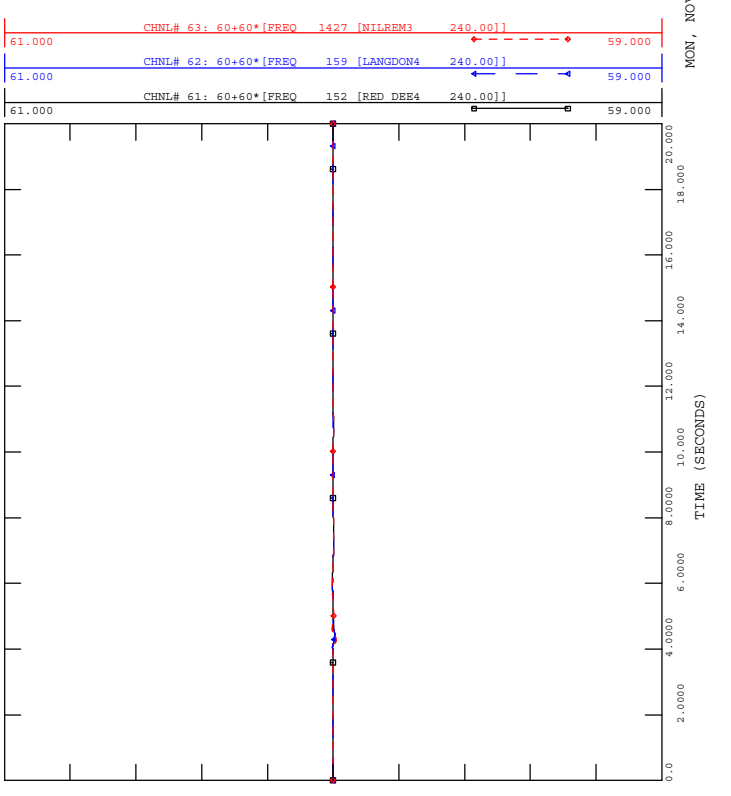


NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 12:51

FREQUENCY

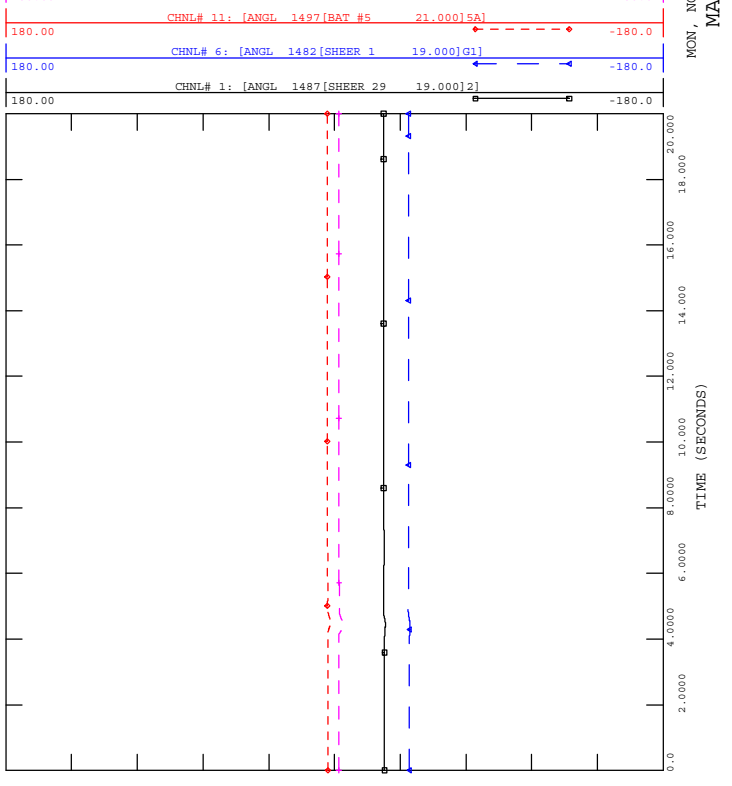


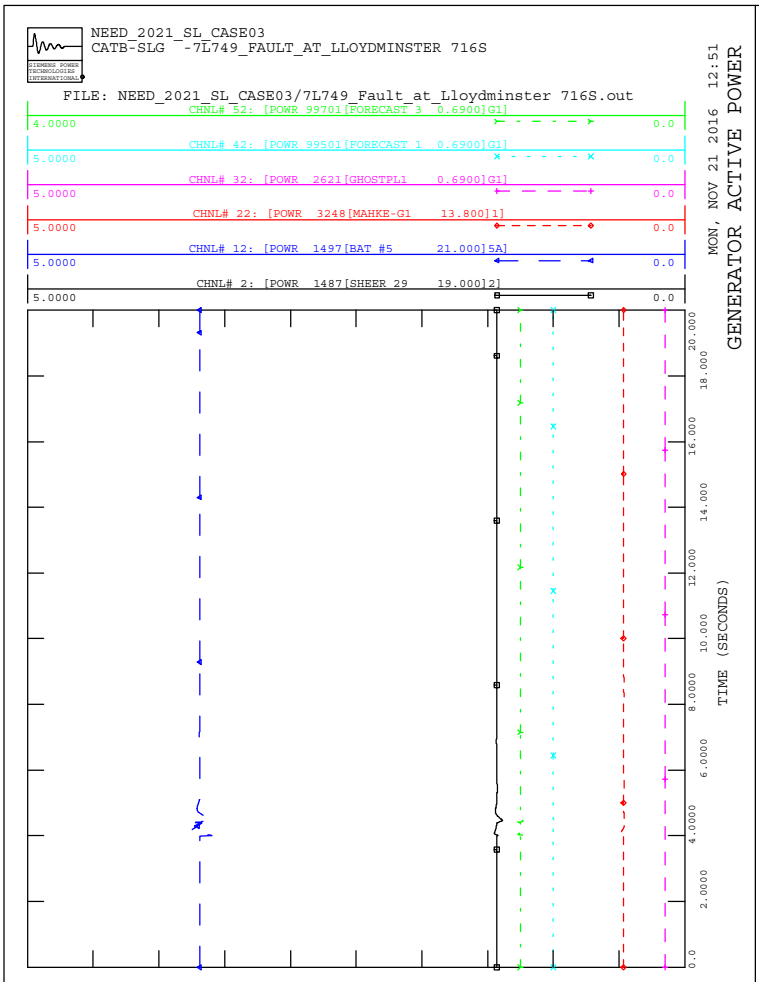
NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 12:51

MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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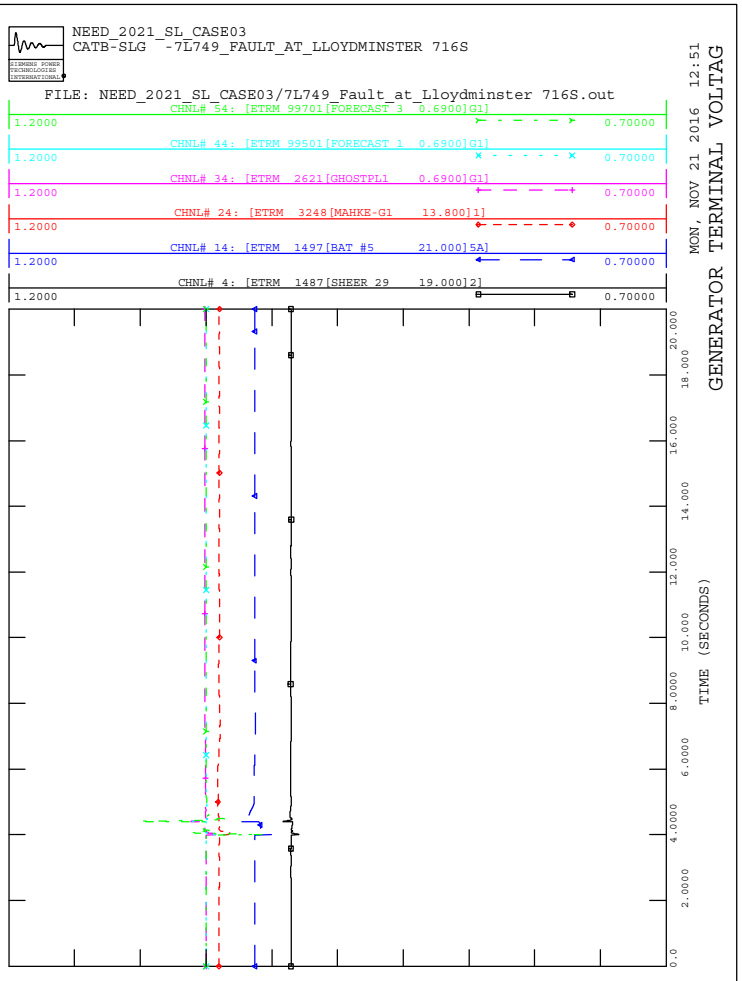
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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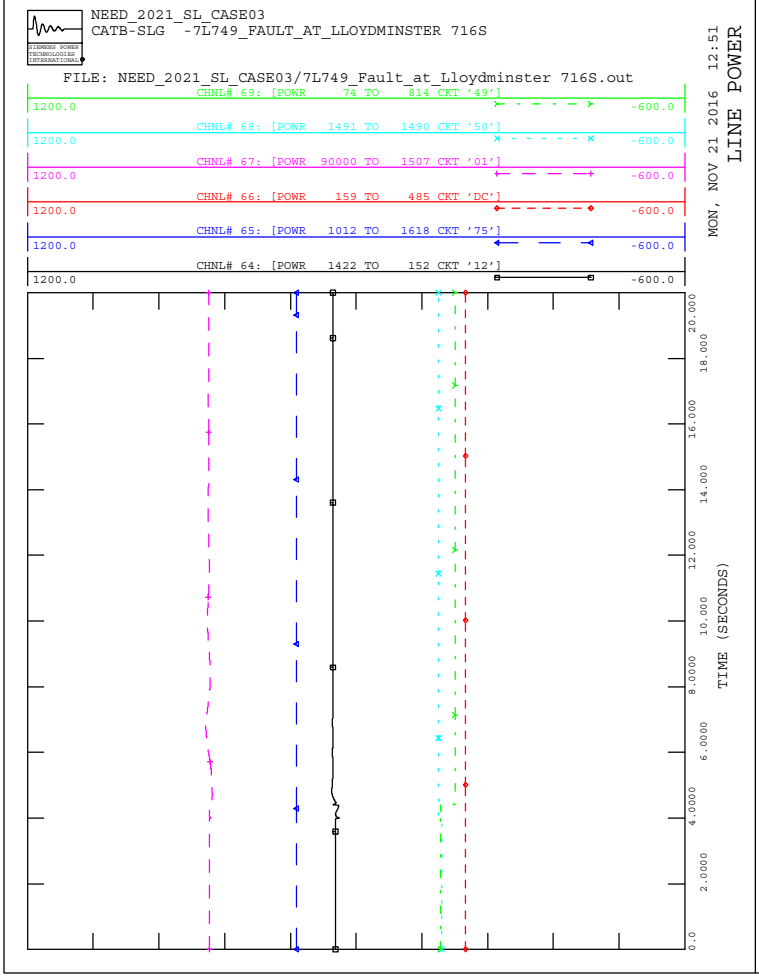
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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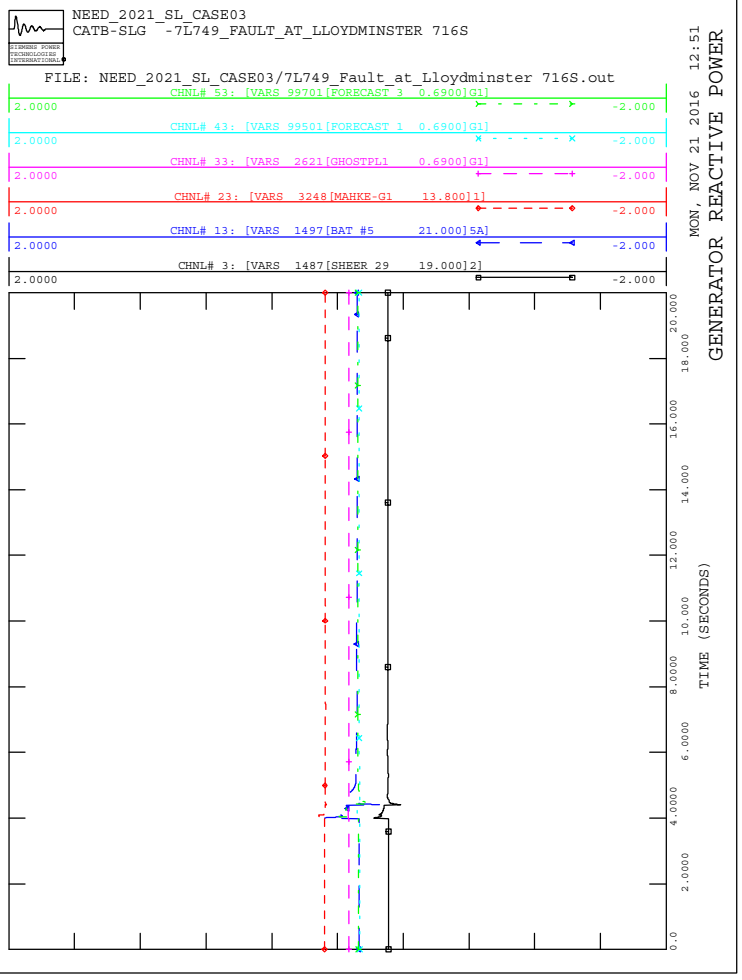
TIME (SECONDS)
MON, NOV 21 2016 12:51
LINE POWER


NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Lloydminster 716S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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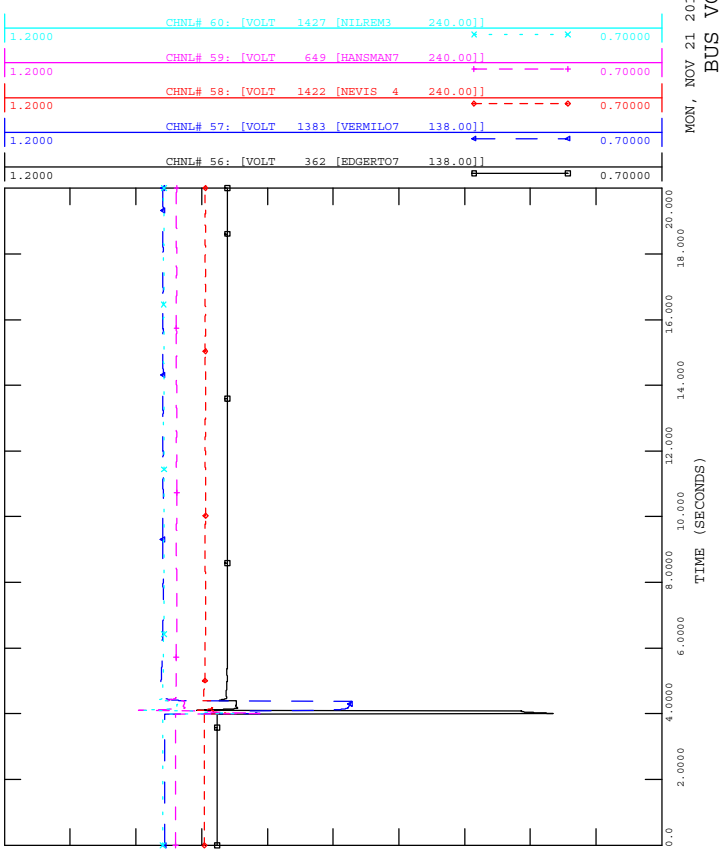
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

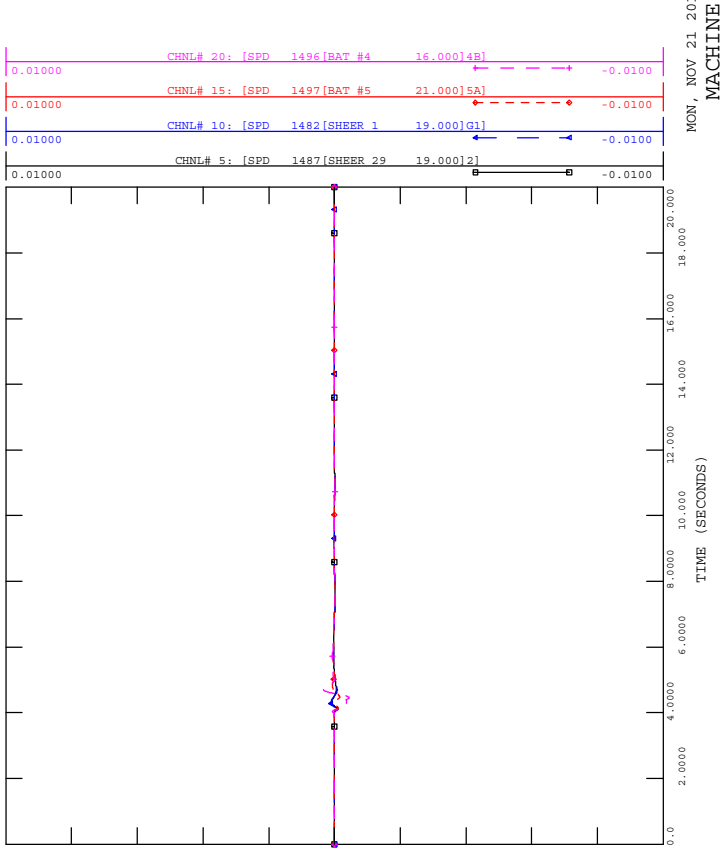
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 12:51
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

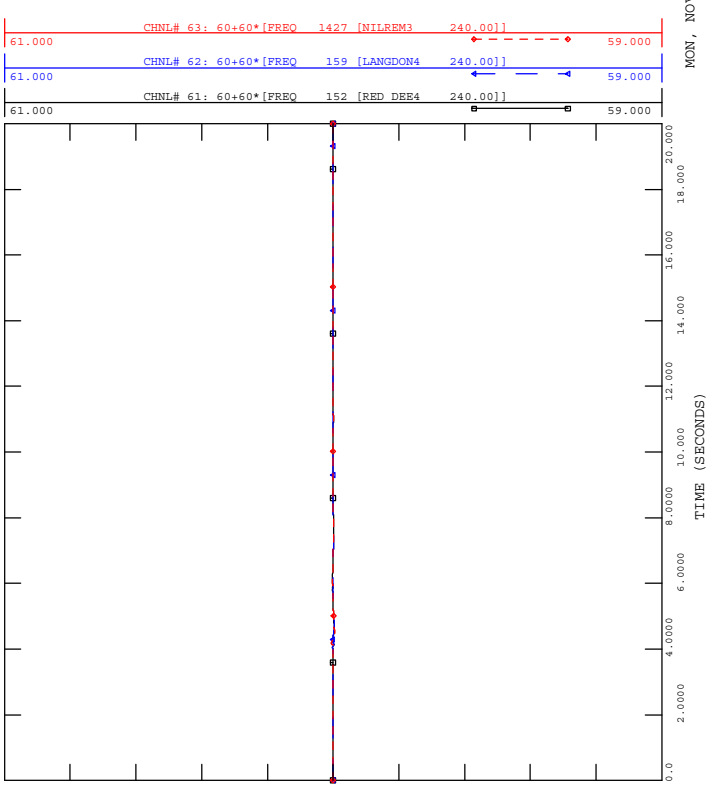
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 12:51
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

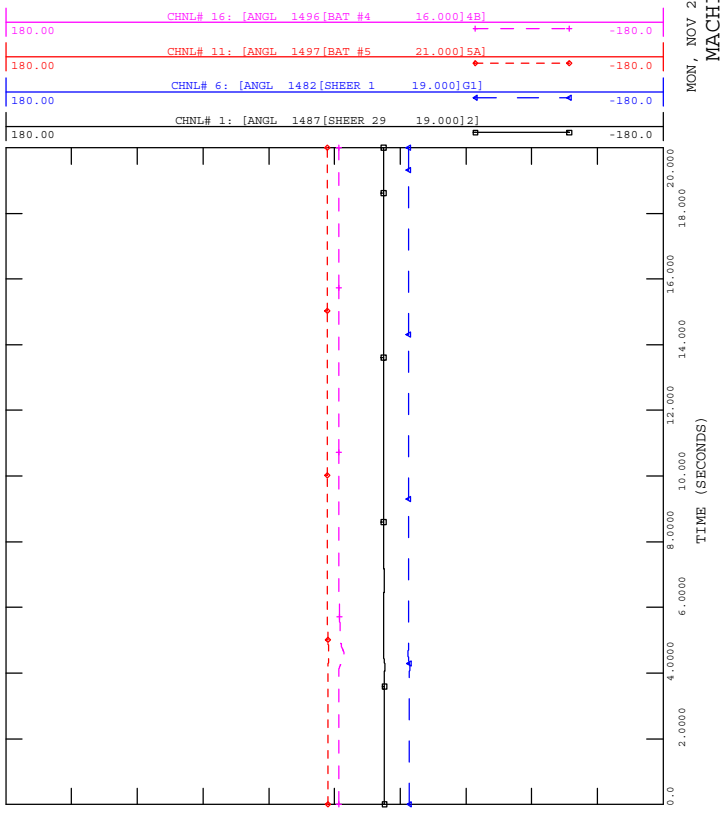
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out



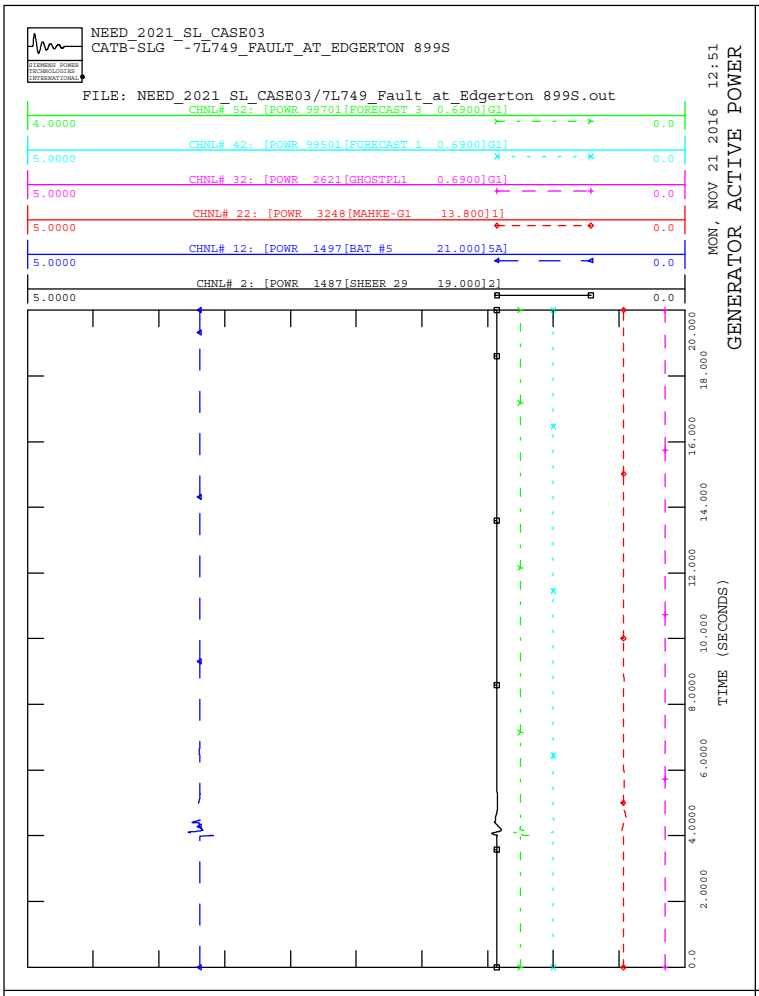
MON, NOV 21 2016 12:51
FREQUENCY

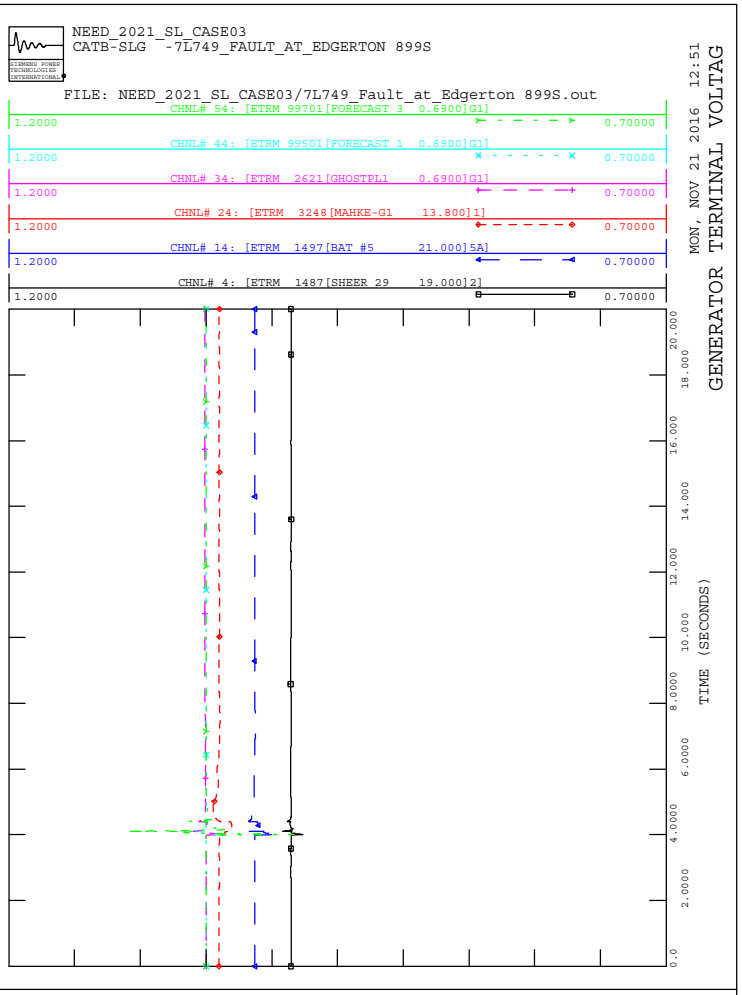
NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

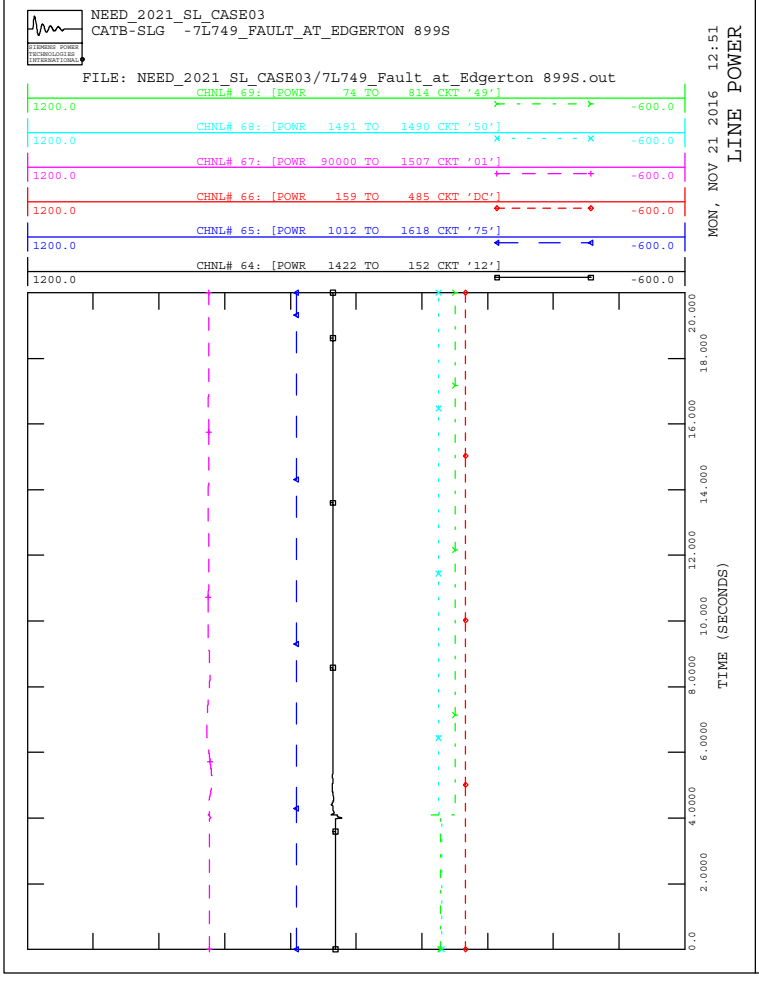
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out

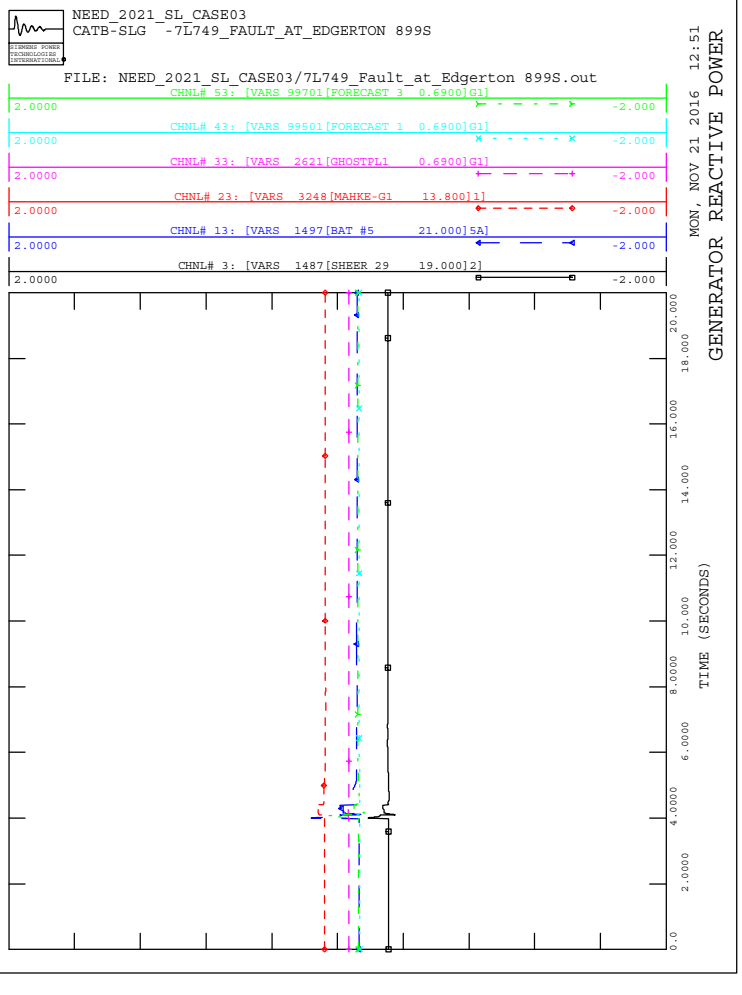


MON, NOV 21 2016 12:51
MACHINE ANGEL


NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:51
LINE POWER


NEED_2021_SL_CASE03
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: NEED_2021_SL_CASE03/7L749_Fault_at_Edgerton 899S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
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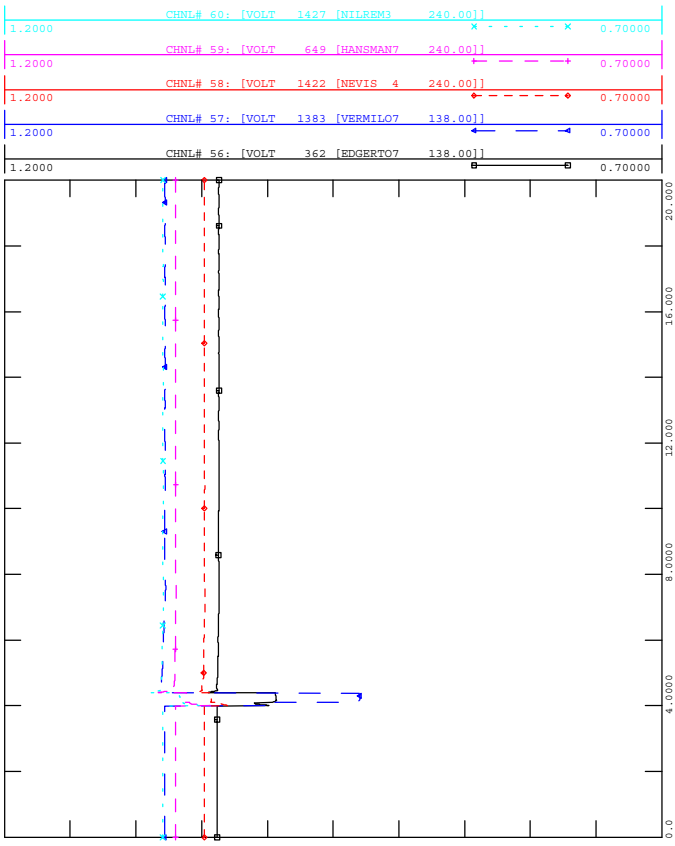
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

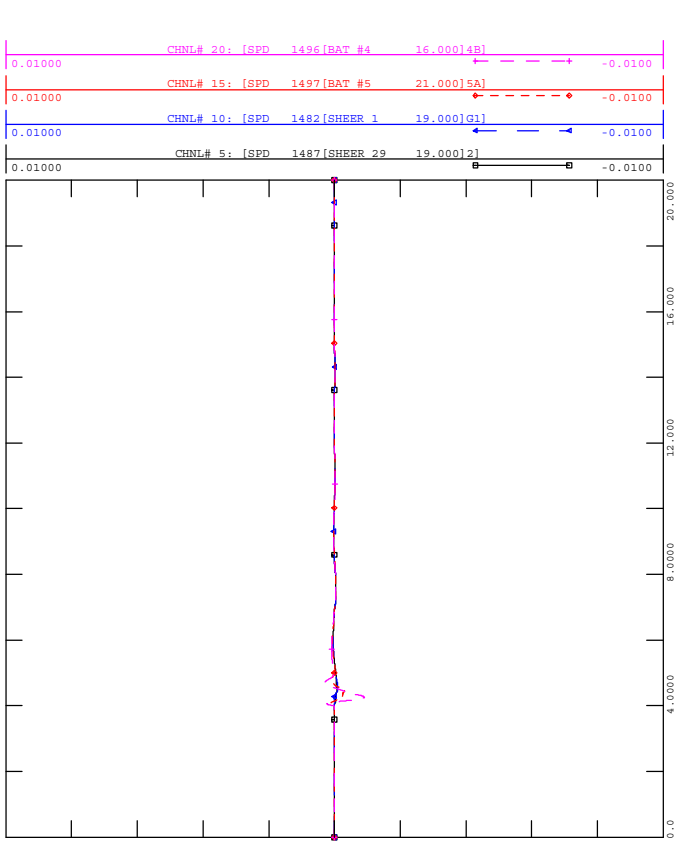


NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

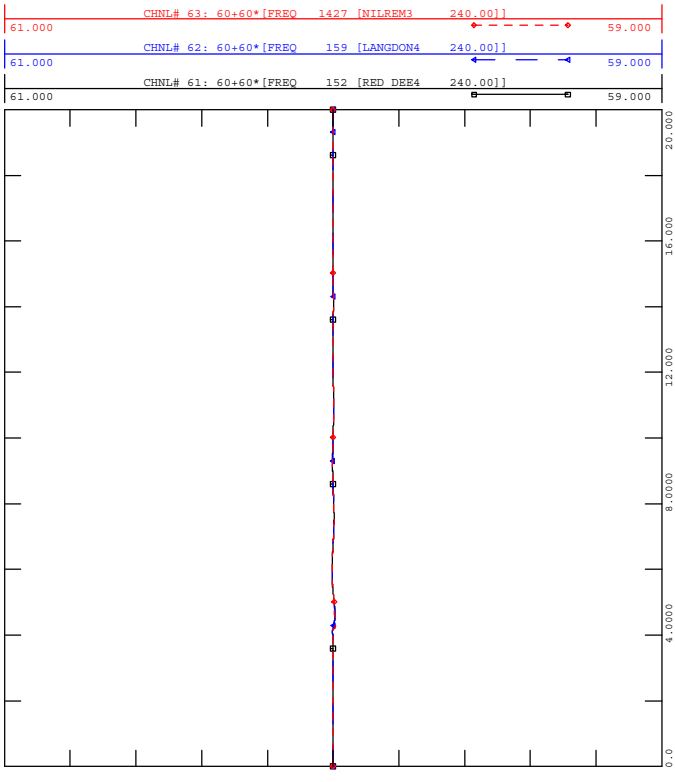


NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:51

FREQUENCY

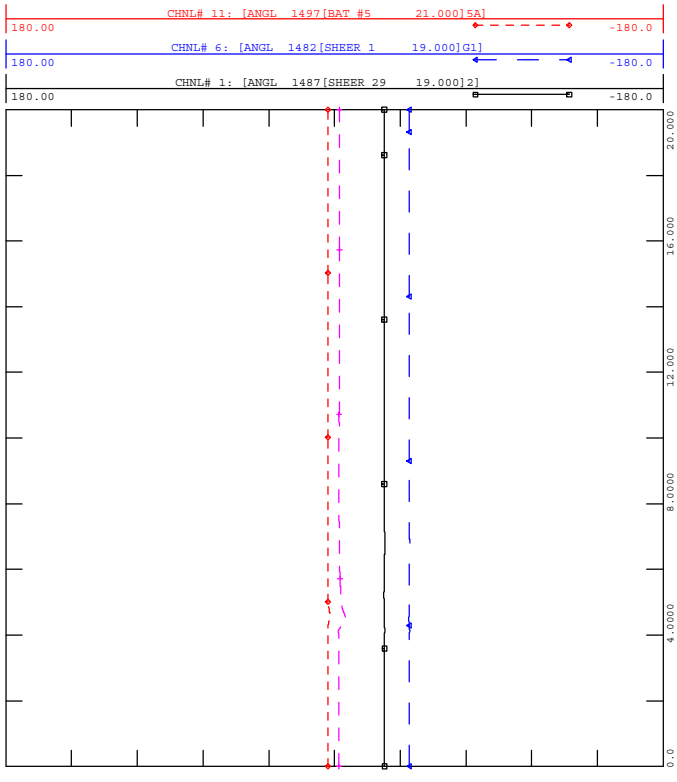


NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out

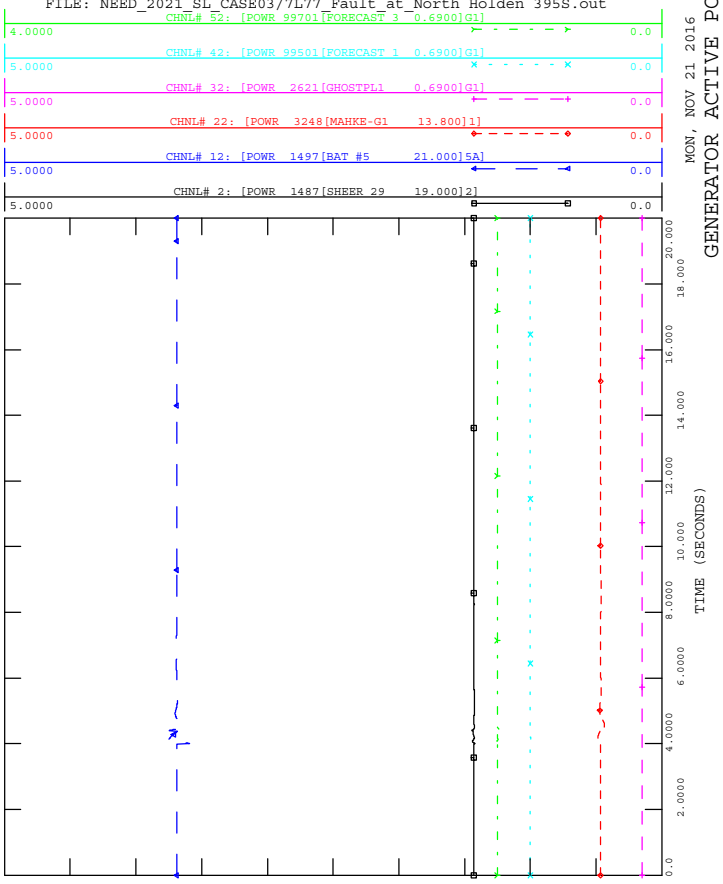
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out

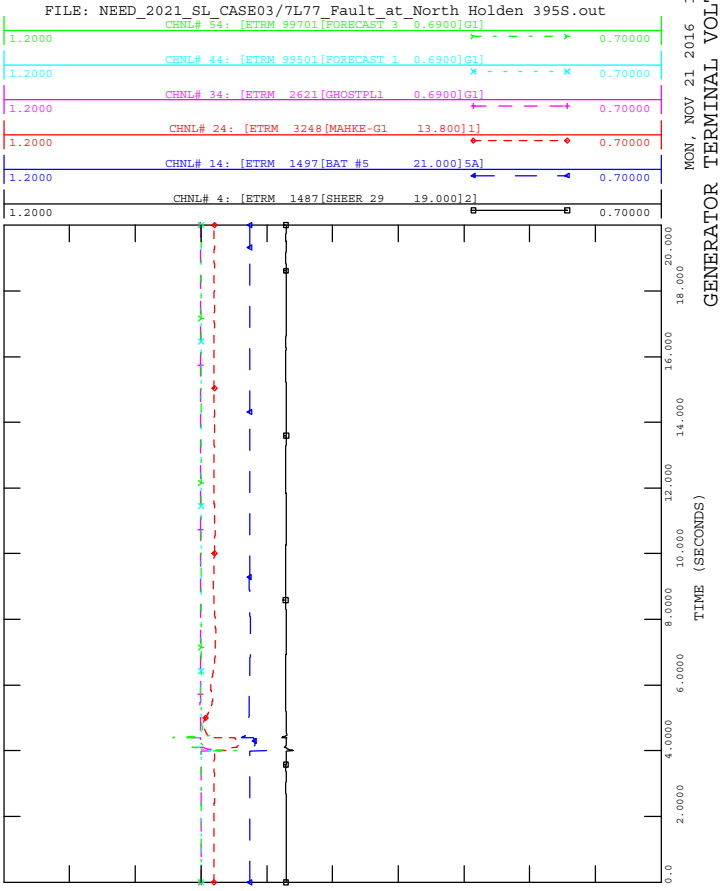


MON, NOV 21 2016 12:51

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out

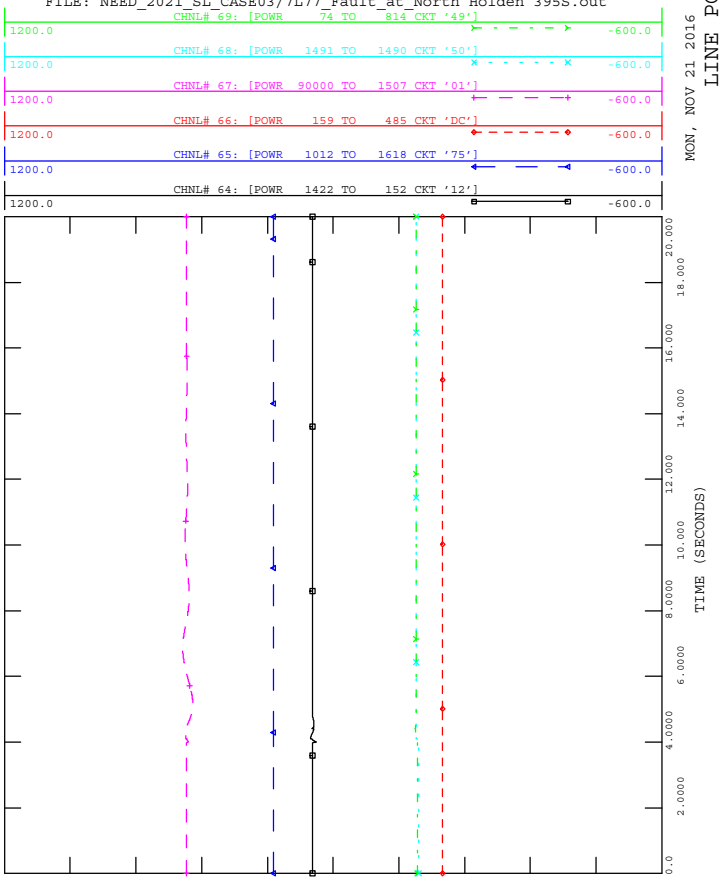


MON, NOV 21 2016 12:51

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out

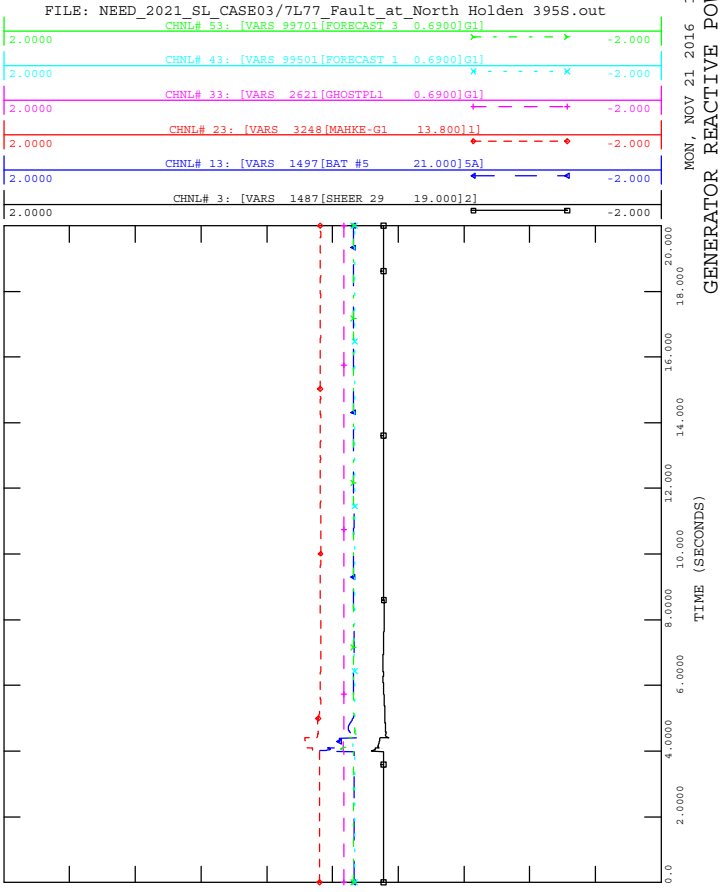


MON, NOV 21 2016 12:51

LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_North Holden 395S.out



MON, NOV 21 2016 12:51

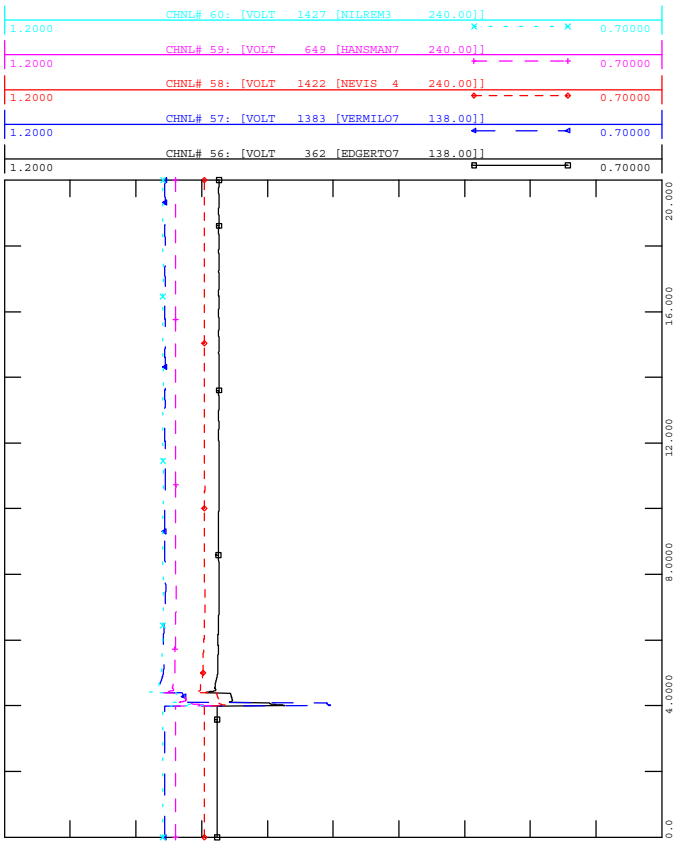
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

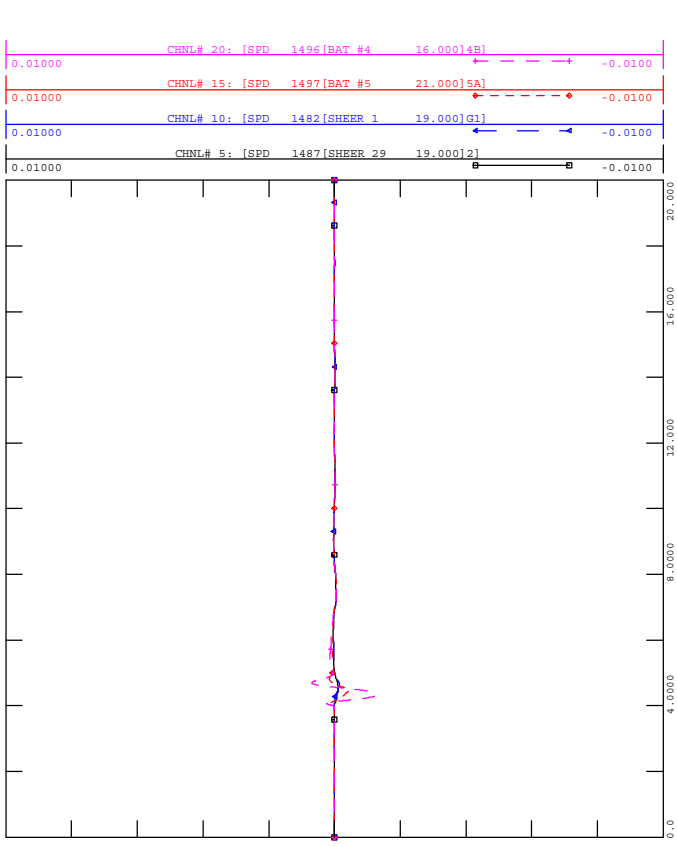


NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

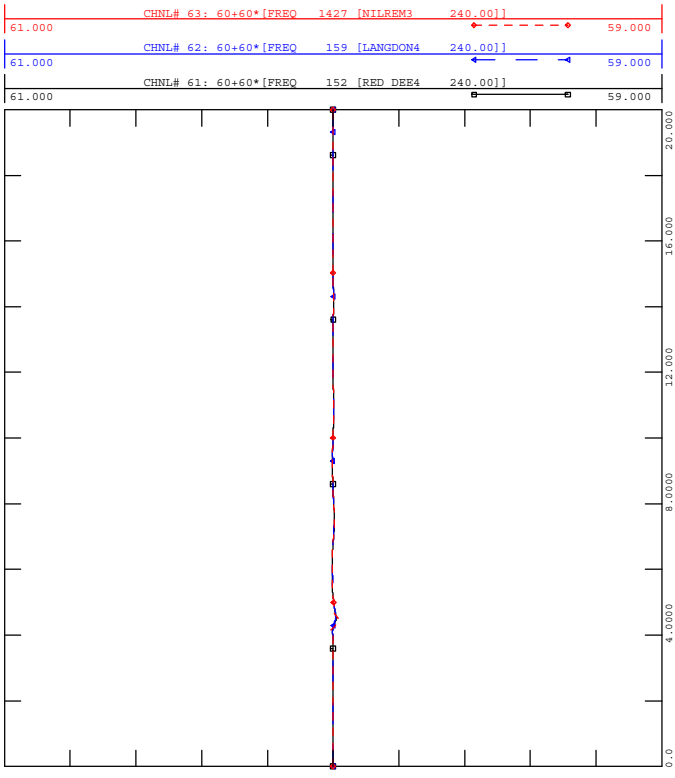


NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:51

FREQUENCY

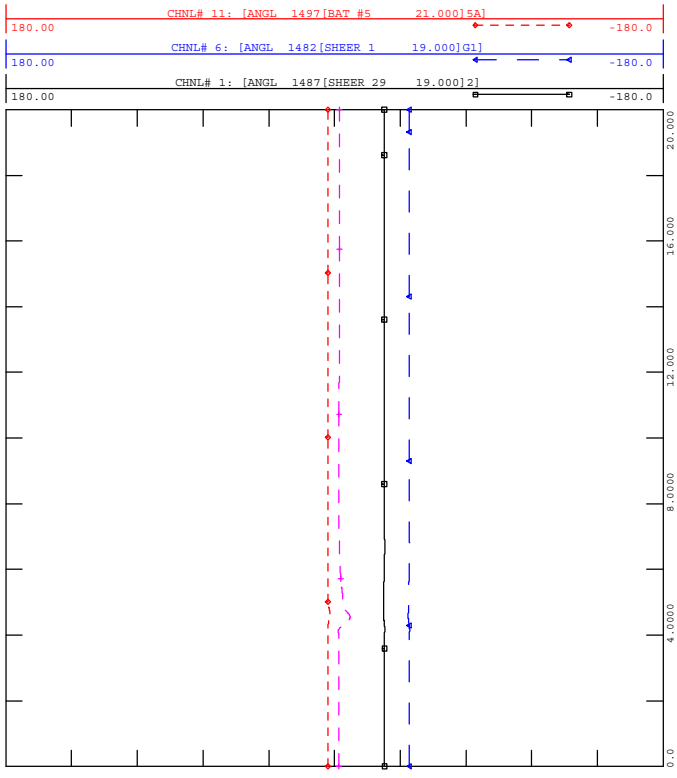


NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out

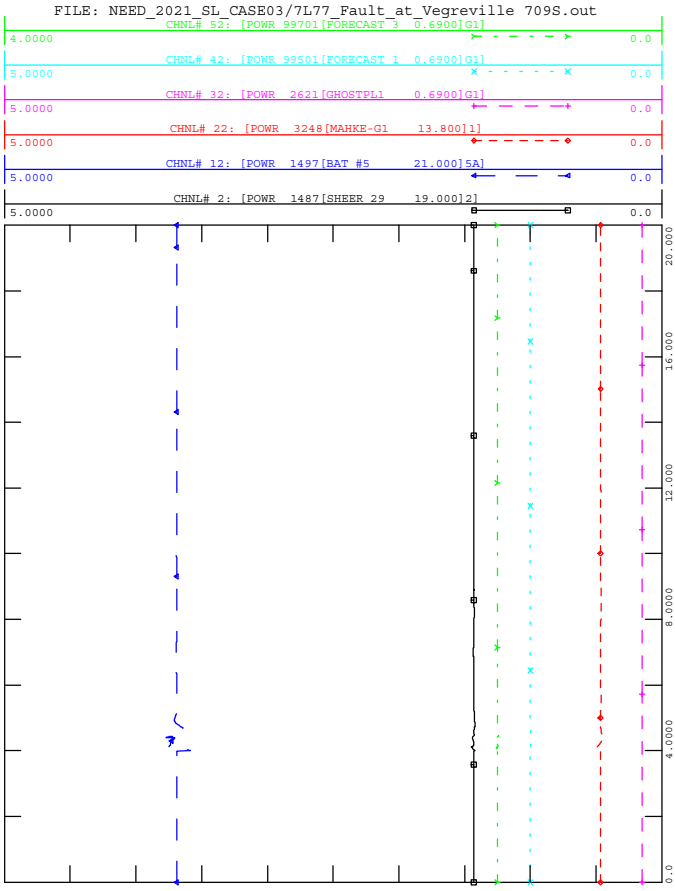
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

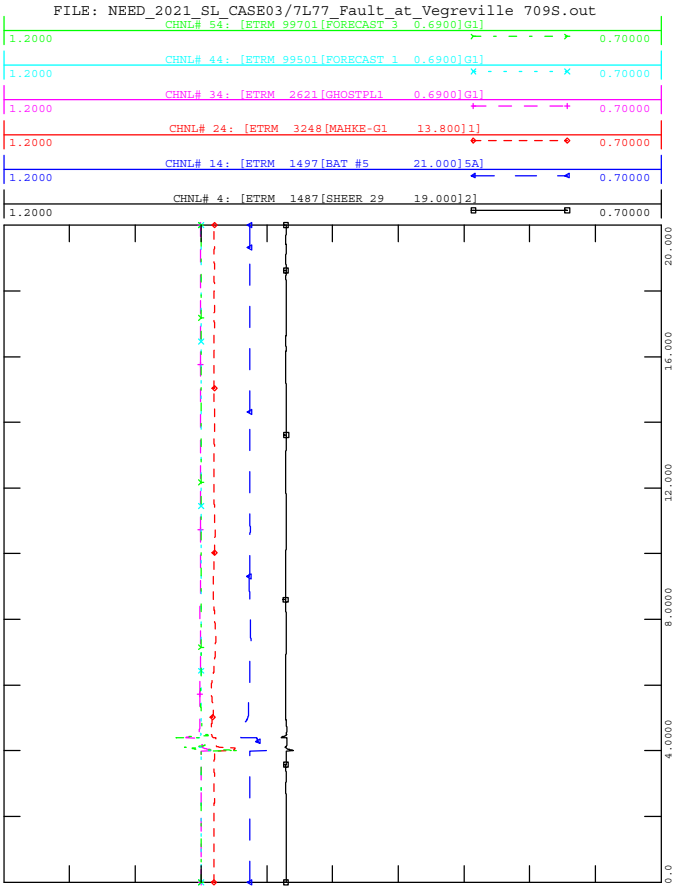
FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

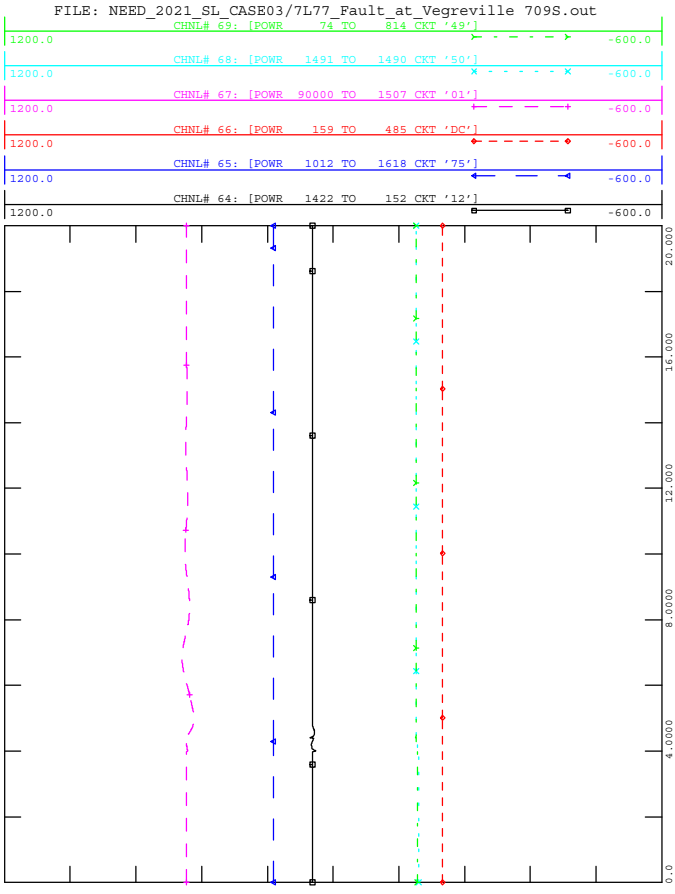
FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

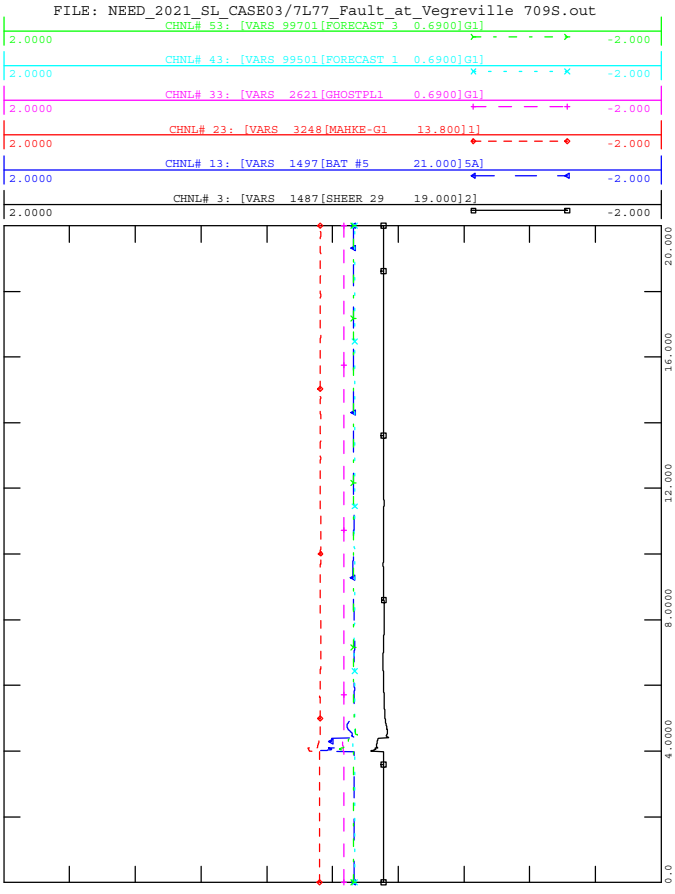
FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out



LINE POWER
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L77_Fault_at_Vegreville 709S.out



GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1383 [VERMILO7 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out

MON, NOV 21 2016 12:51

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out

MON, NOV 21 2016 12:51

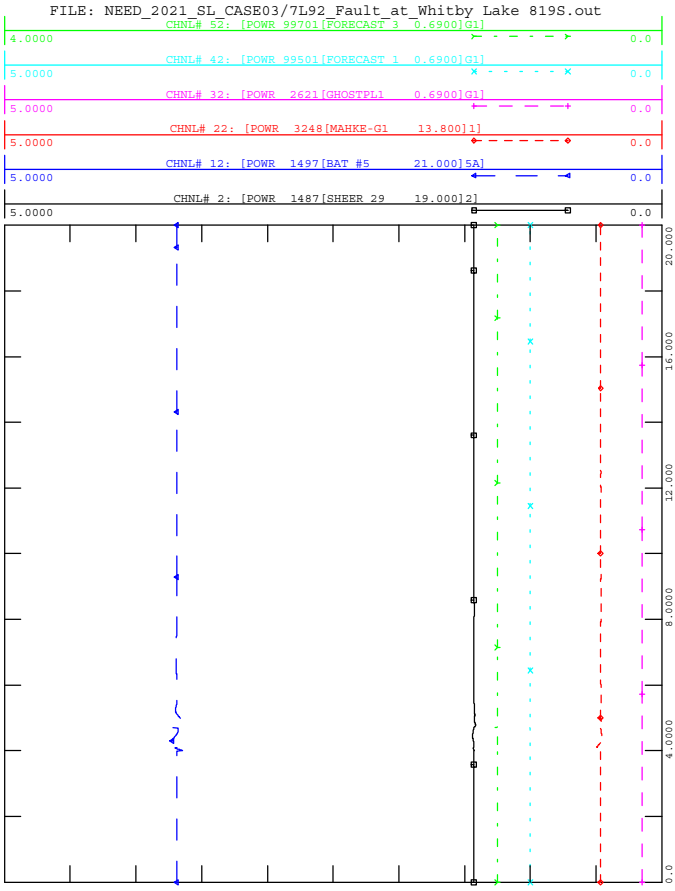
MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

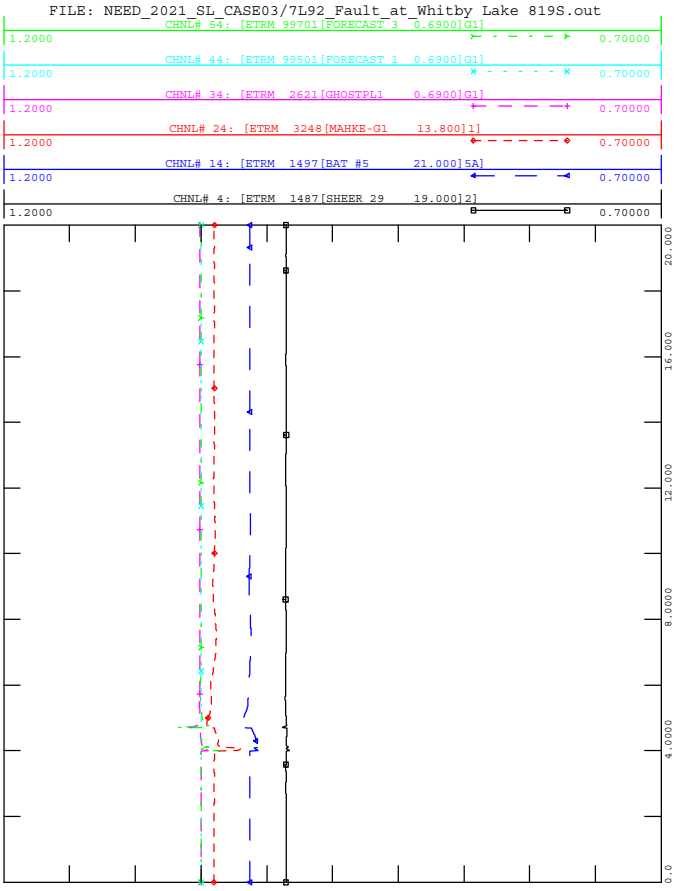
FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

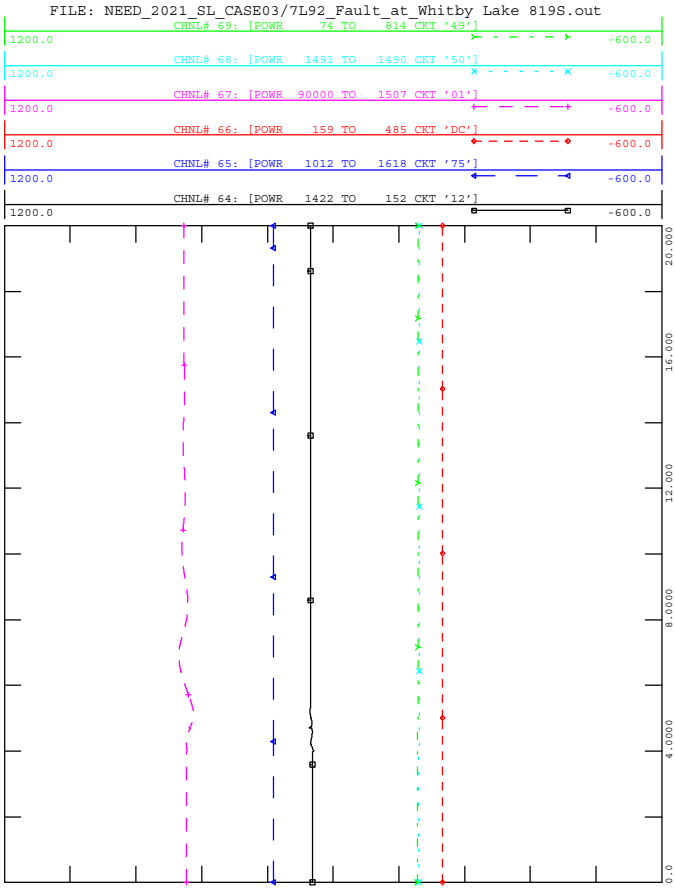
FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

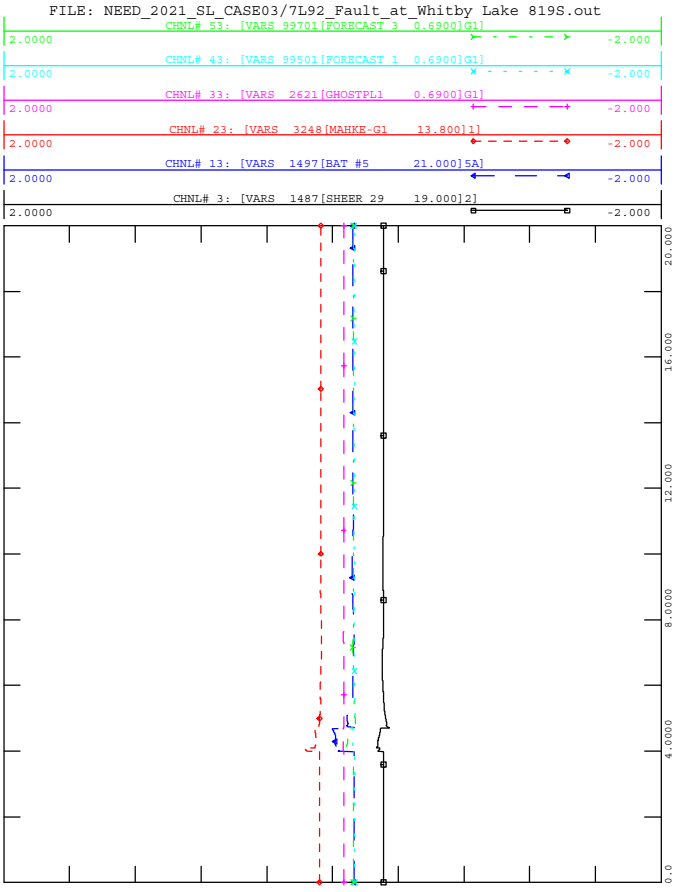
FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out



LINE POWER
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Whitby Lake 819S.out



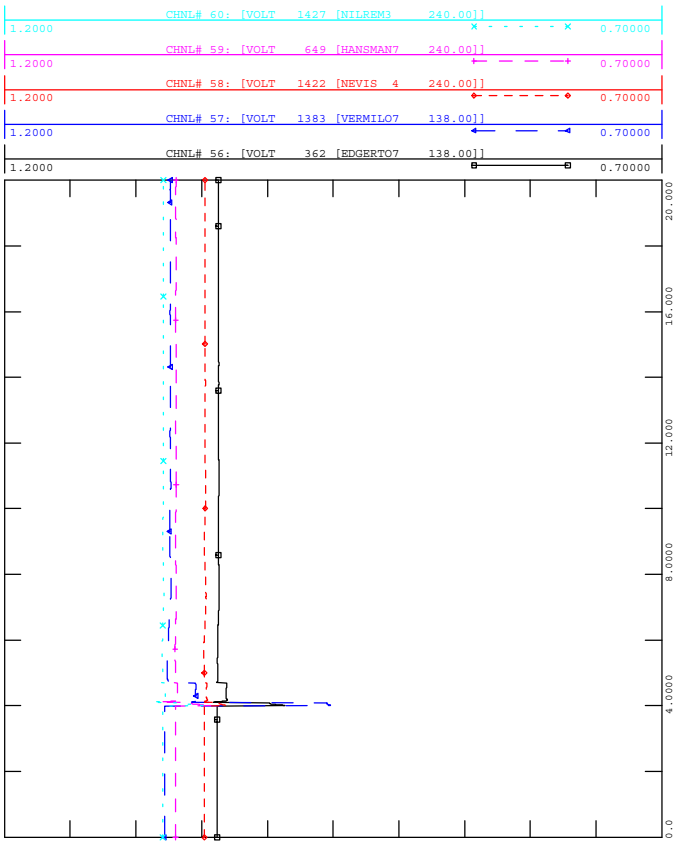
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

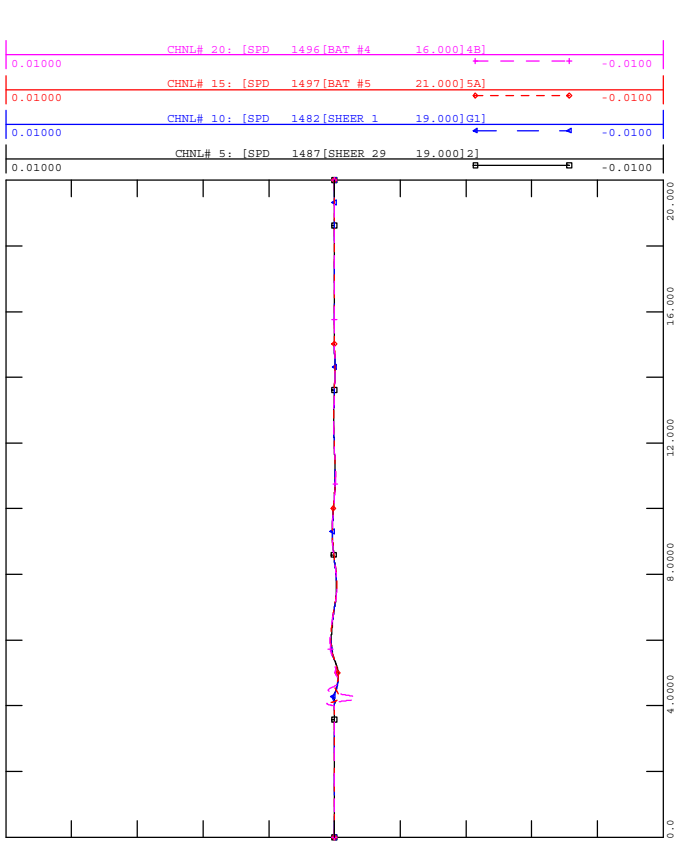


NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

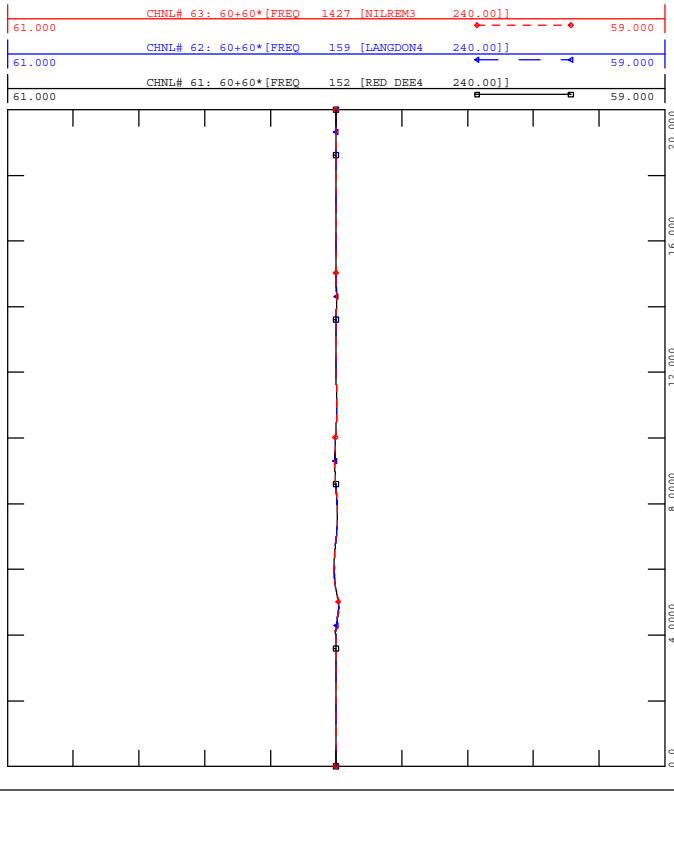


NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:51

FREQUENCY

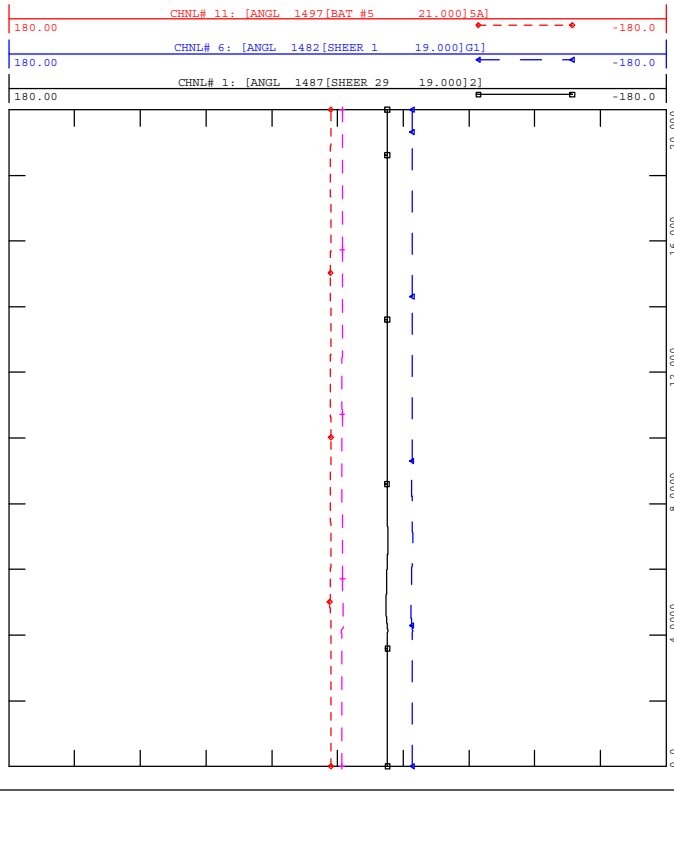


NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out

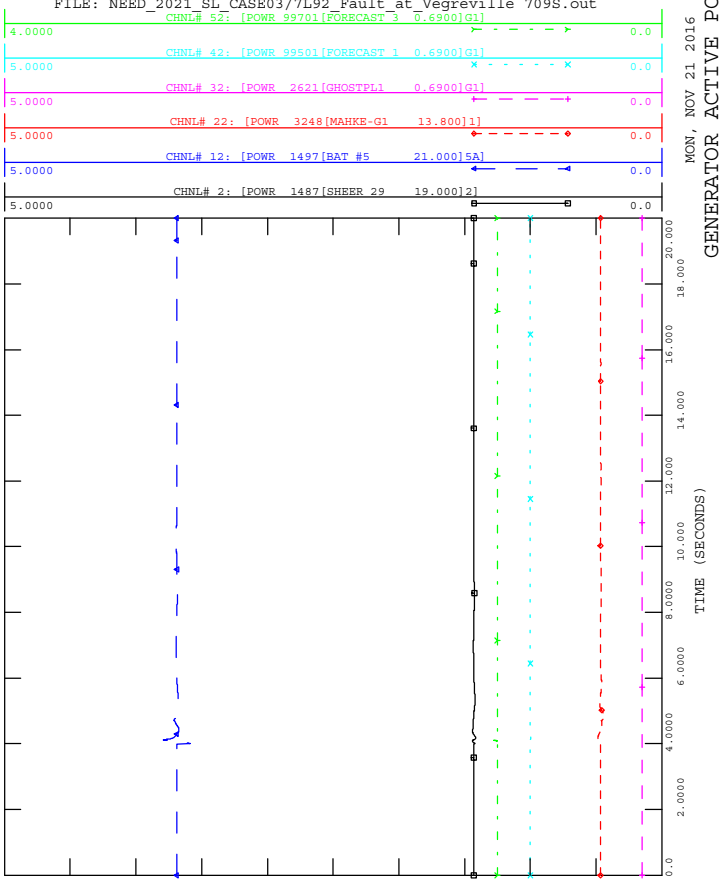
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

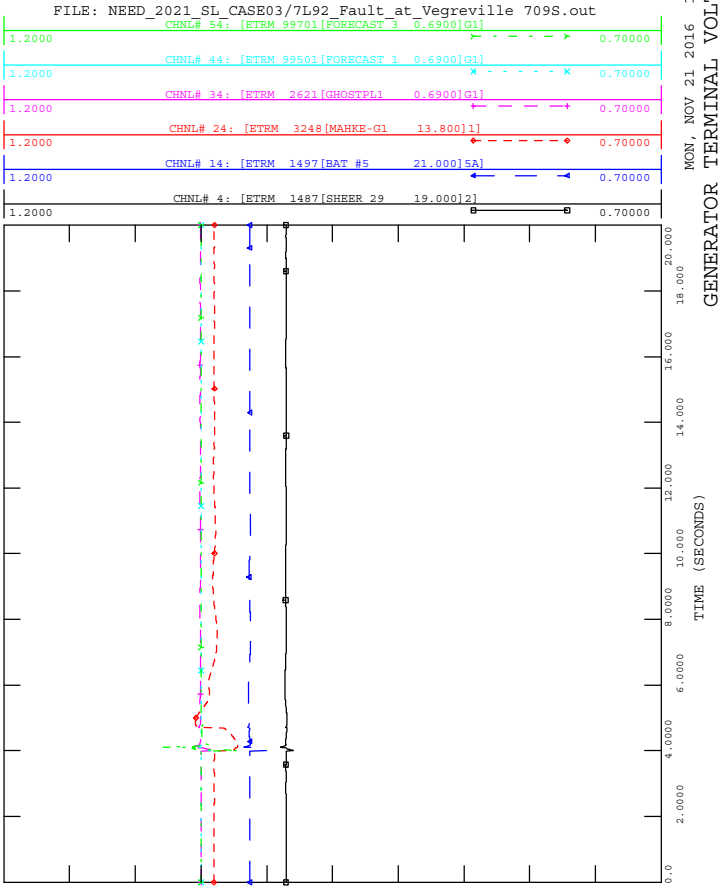
FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 12:51 GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

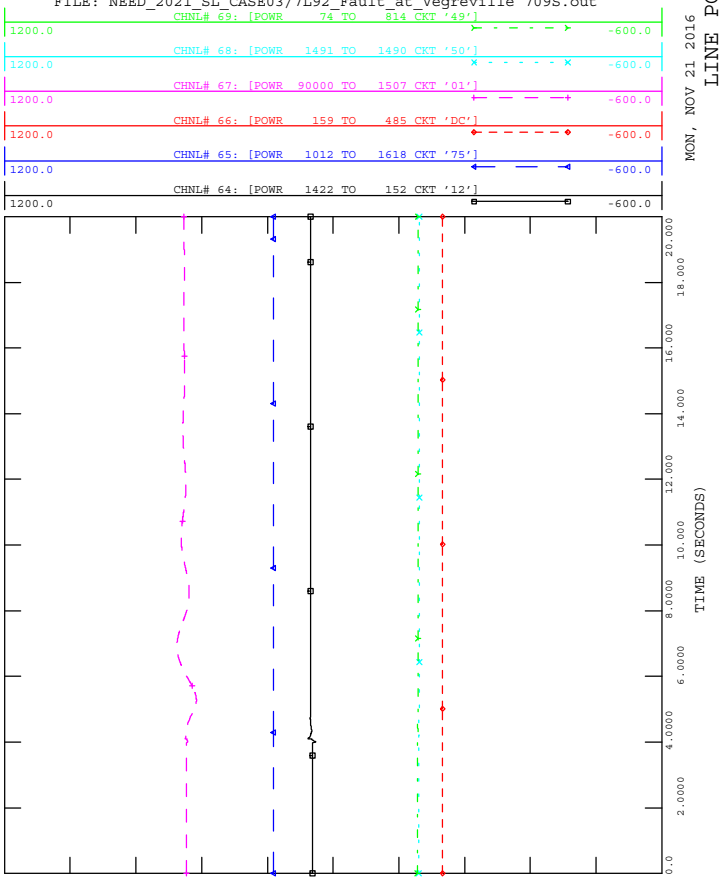
FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 12:51 GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

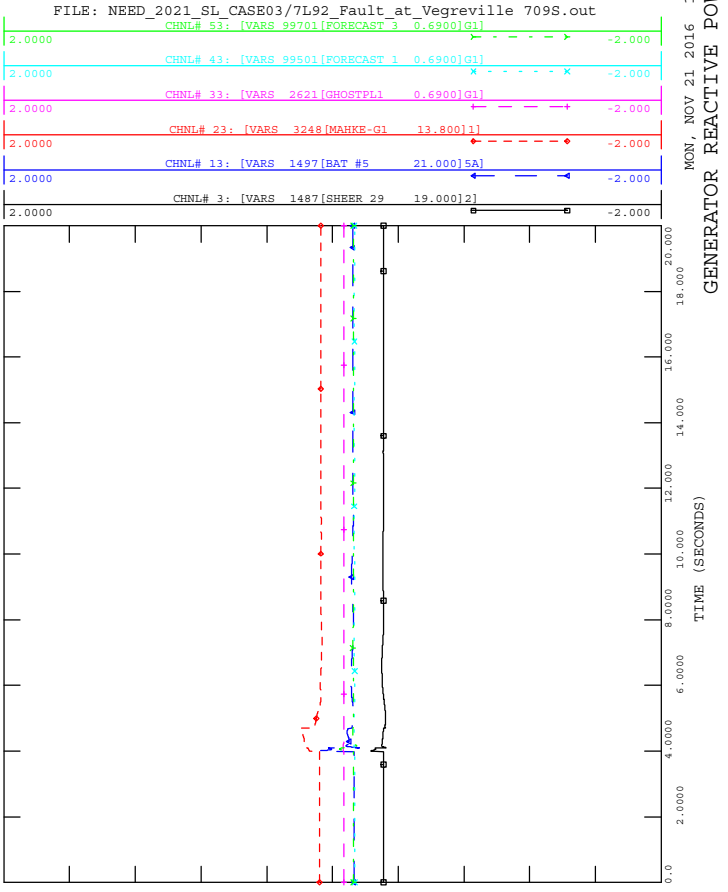
FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 12:51 LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_SL_CASE03/7L92_Fault_at_Vegreville 709S.out



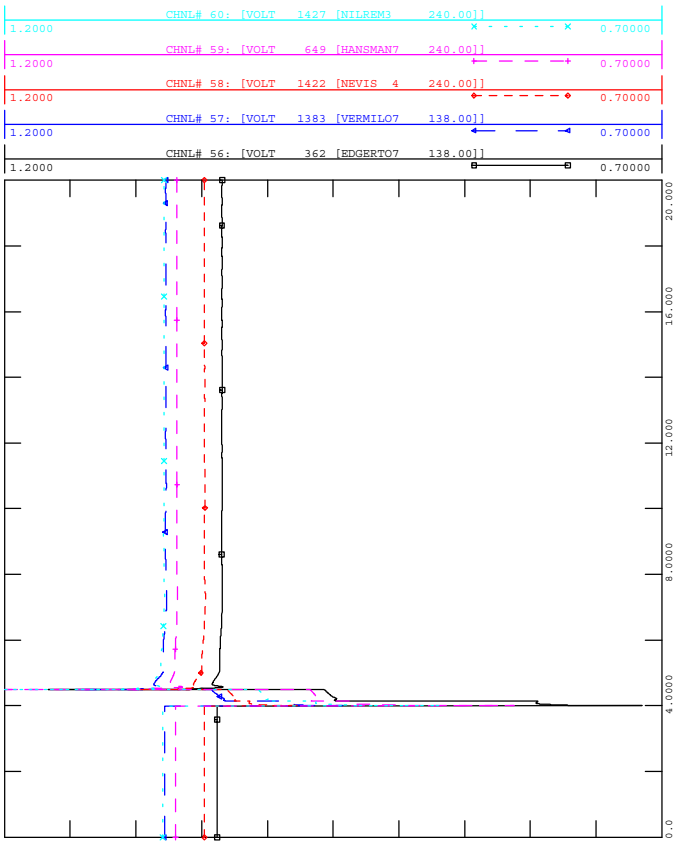
MON, NOV 21 2016 12:51 GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

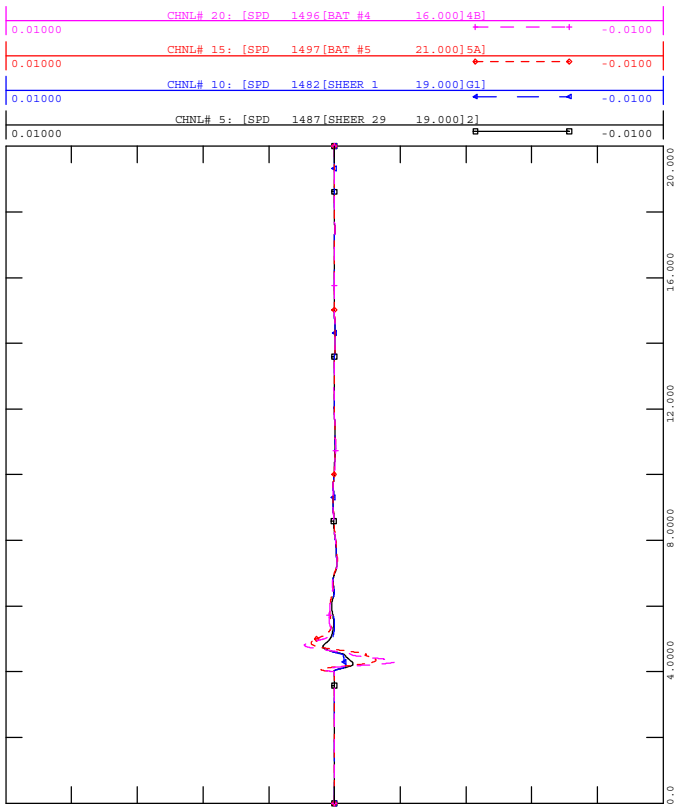


NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

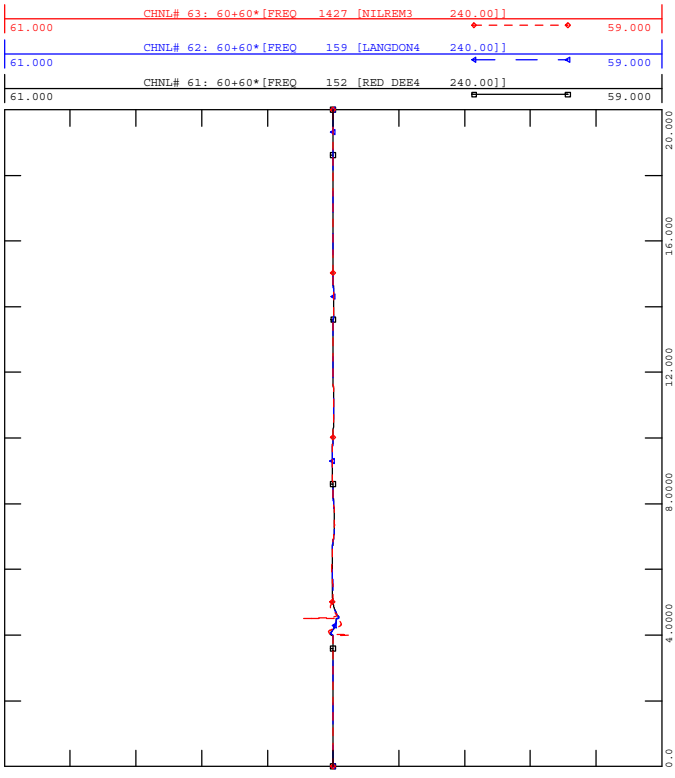


NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:51

FREQUENCY

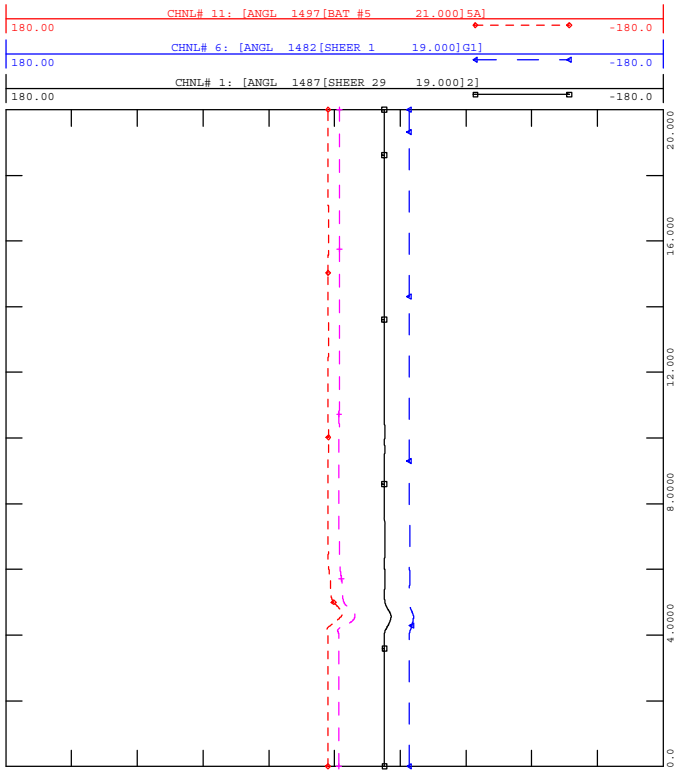


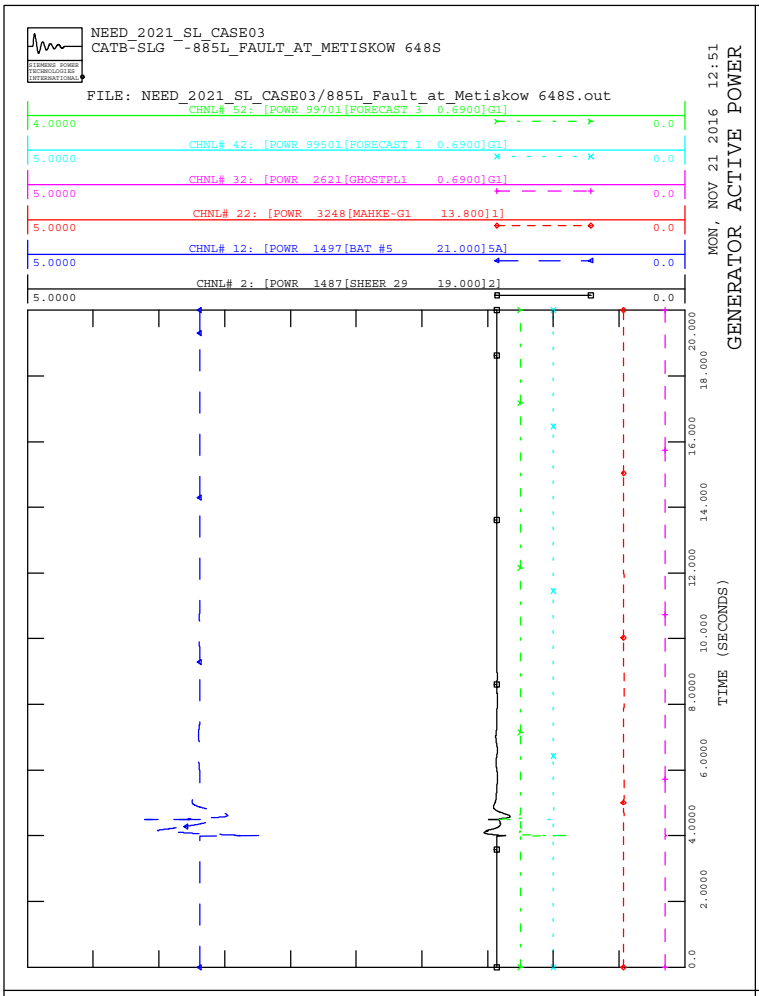
NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_METISKOW 648S

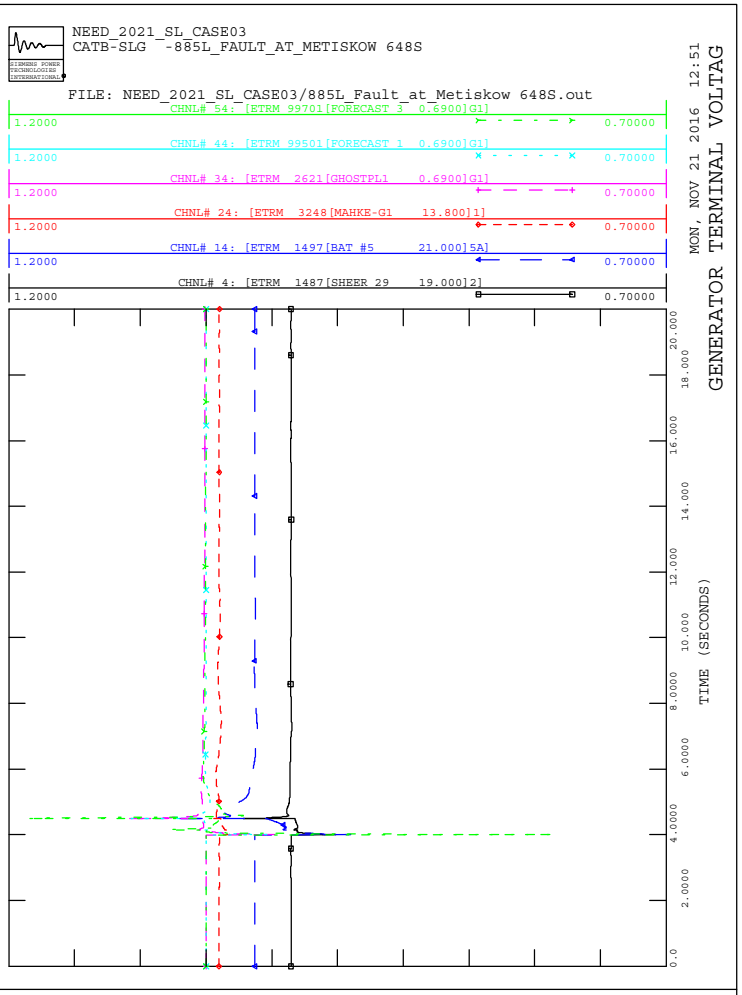
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out

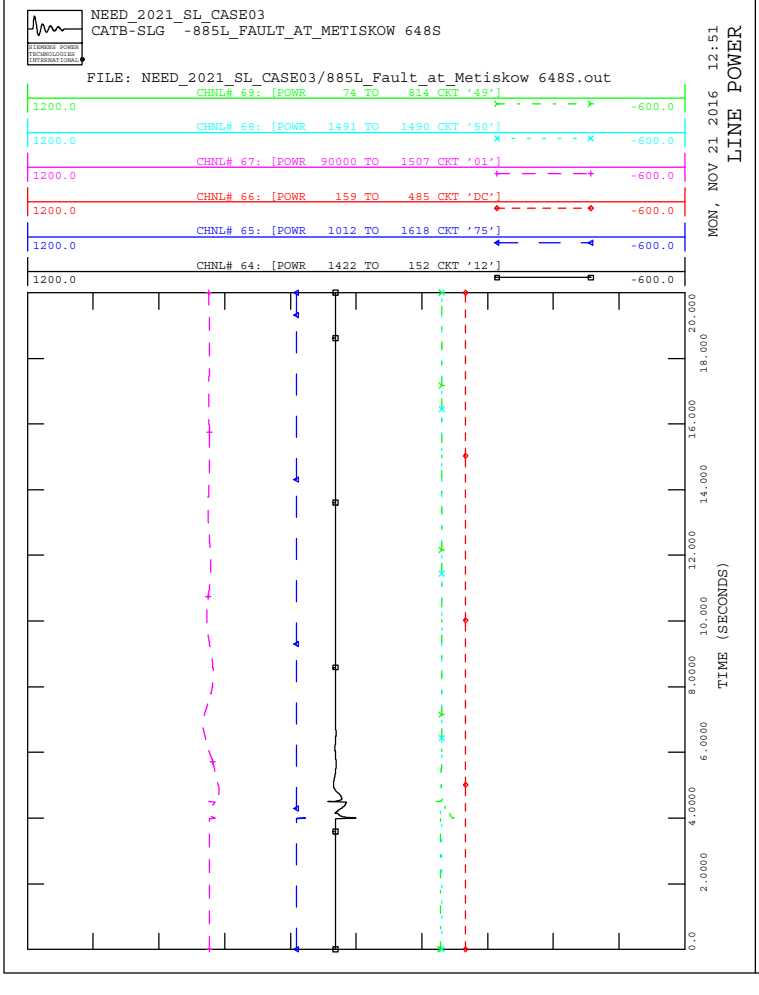
MON, NOV 21 2016 12:51

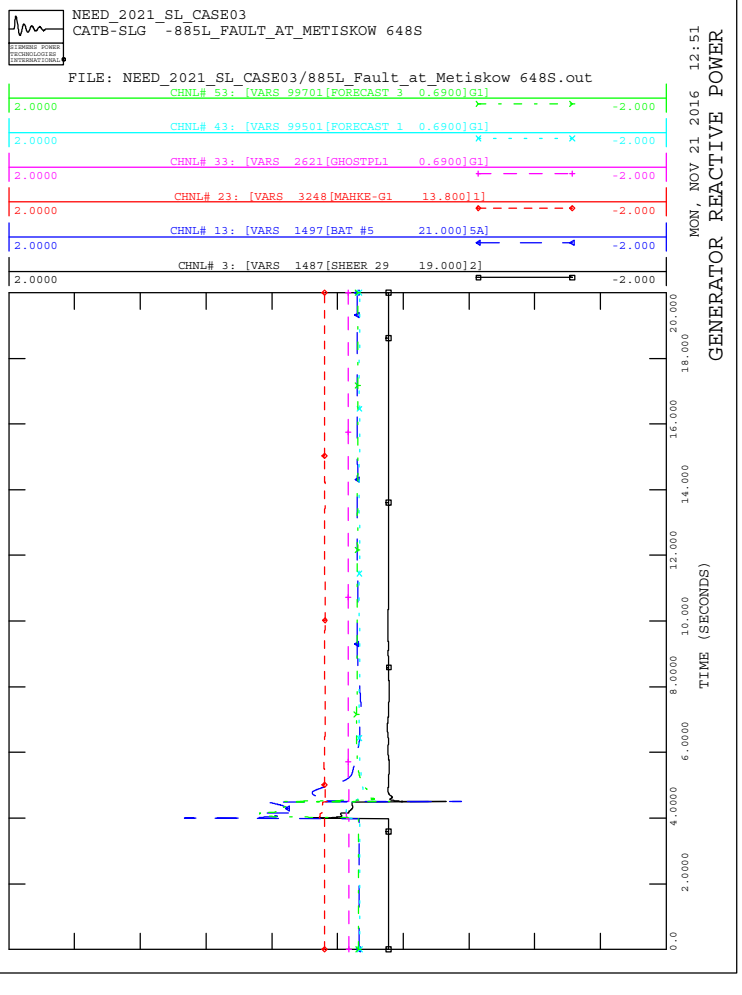
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

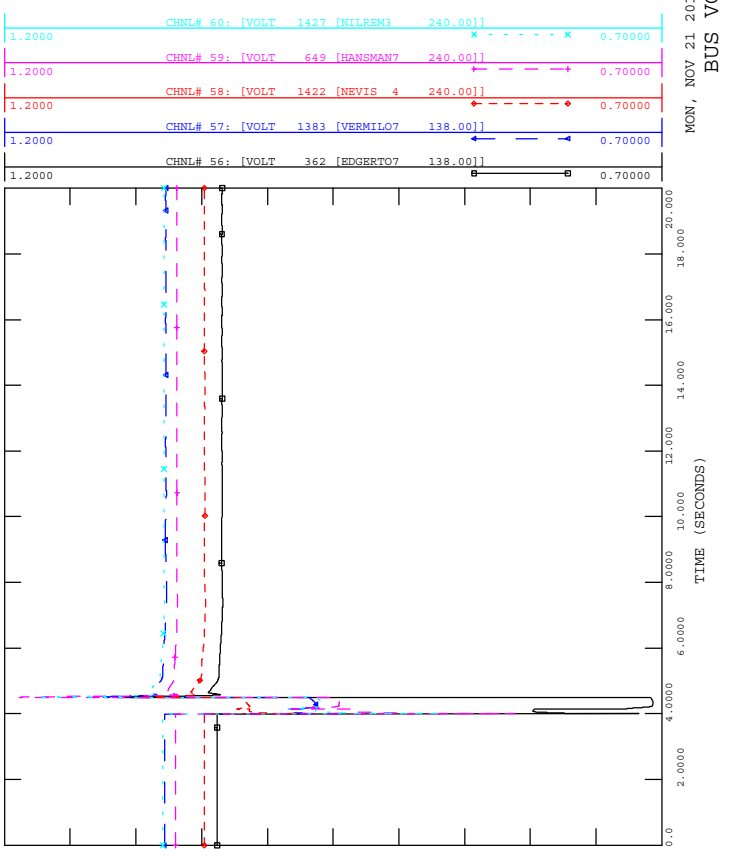

NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
0.0
TIME (SECONDS)
MON, NOV 21 2016 12:51
LINE POWER


NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Metiskow 648S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
0.0
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out

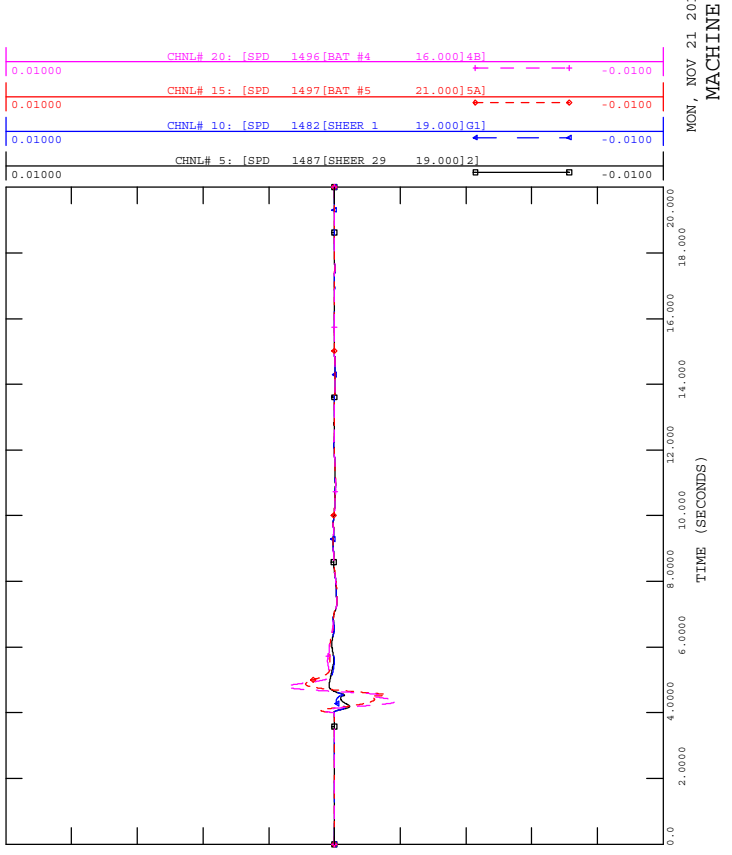


MON, NOV 21 2016 12:51

BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out

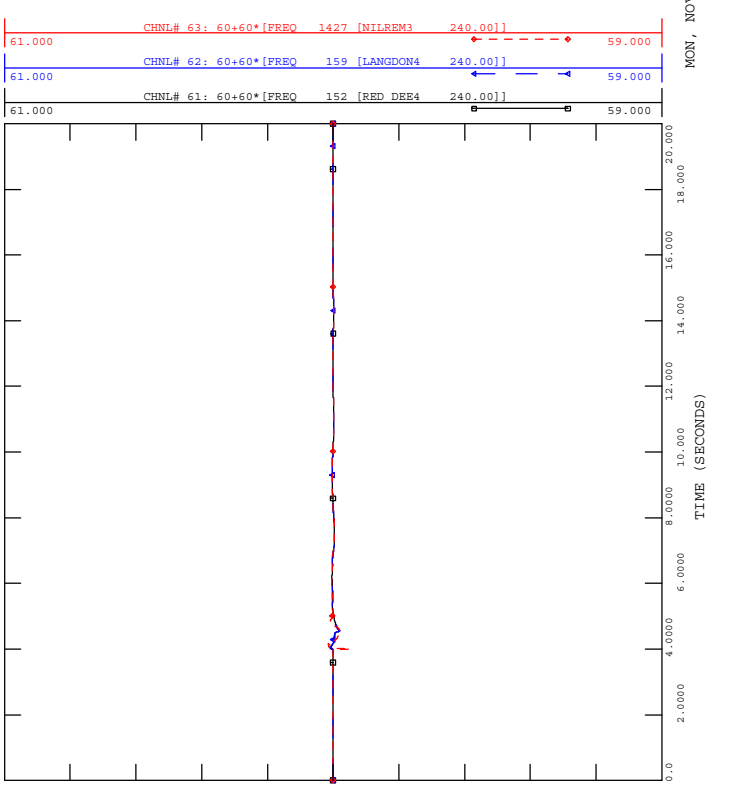


MON, NOV 21 2016 12:51

MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out

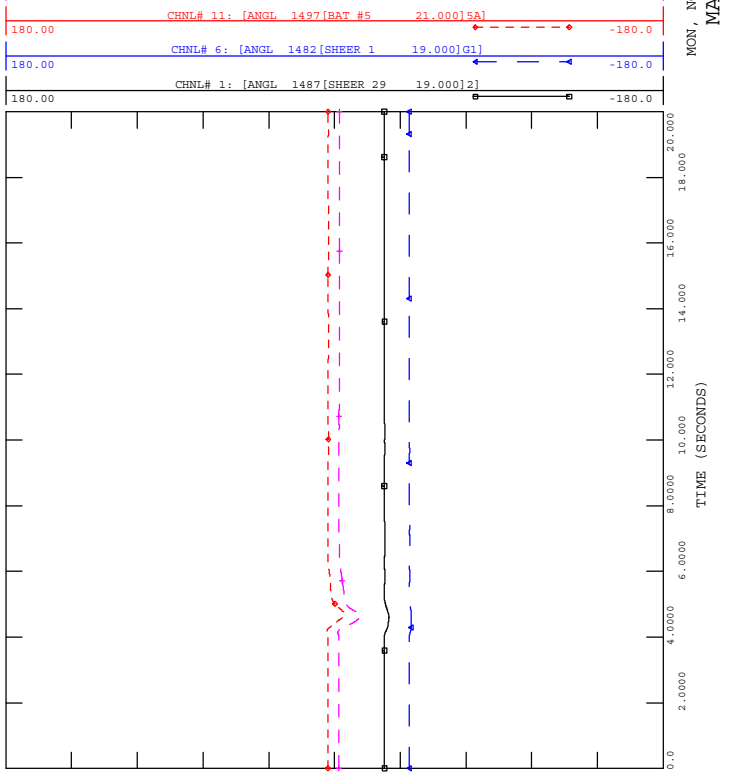


MON, NOV 21 2016 12:51

FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out

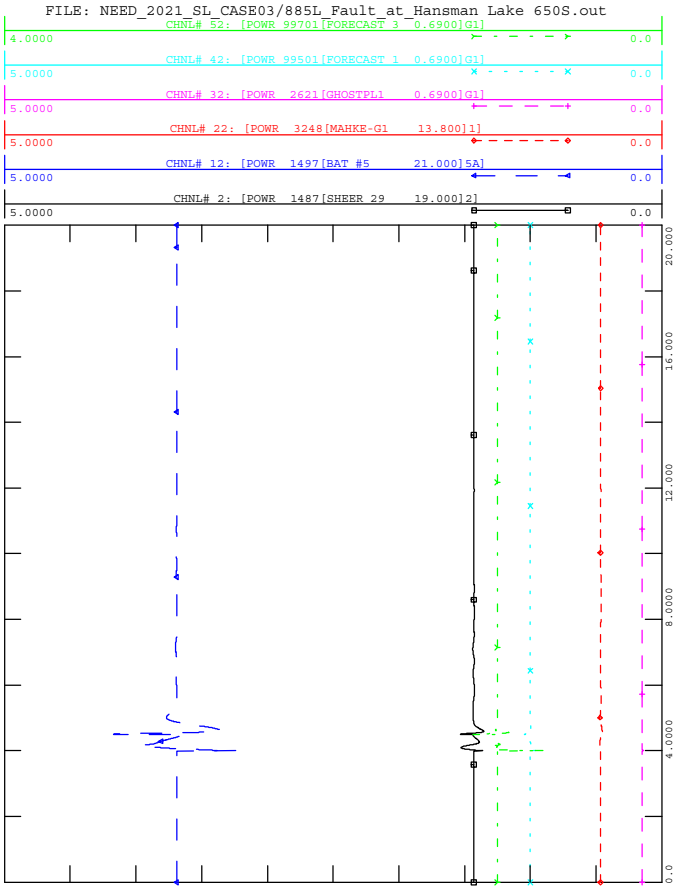


MON, NOV 21 2016 12:51

MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

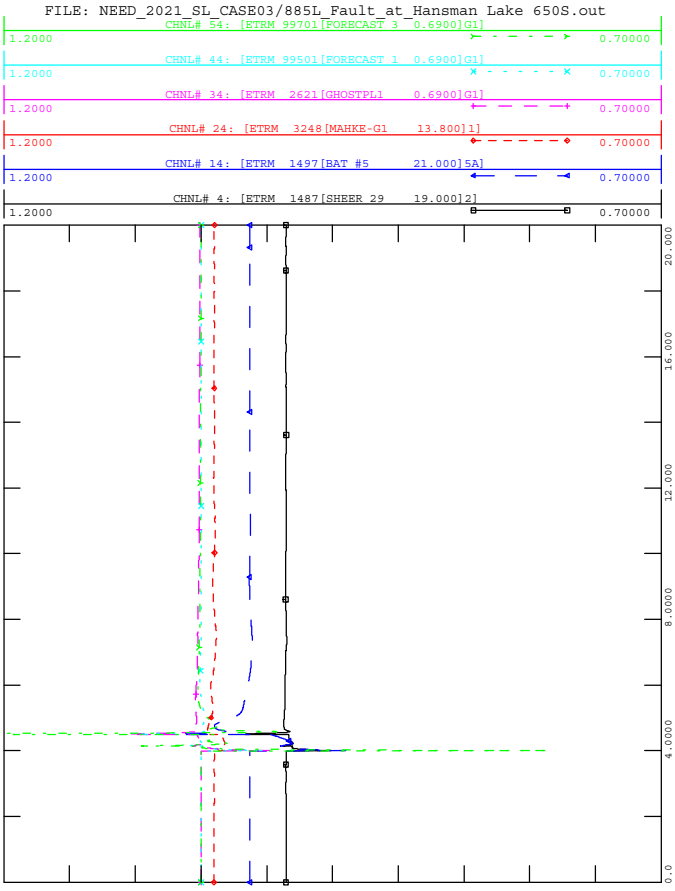
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

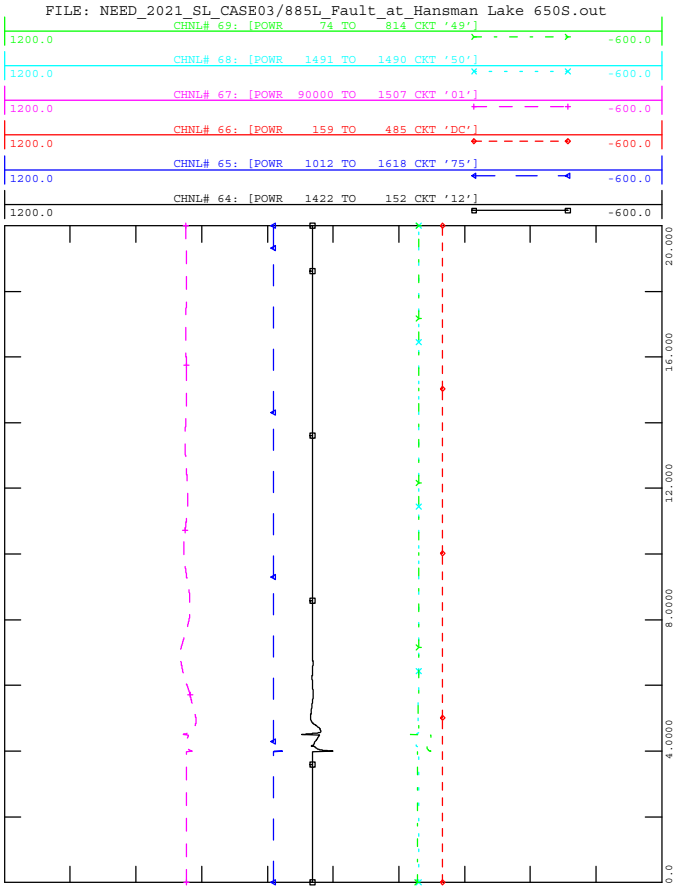
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

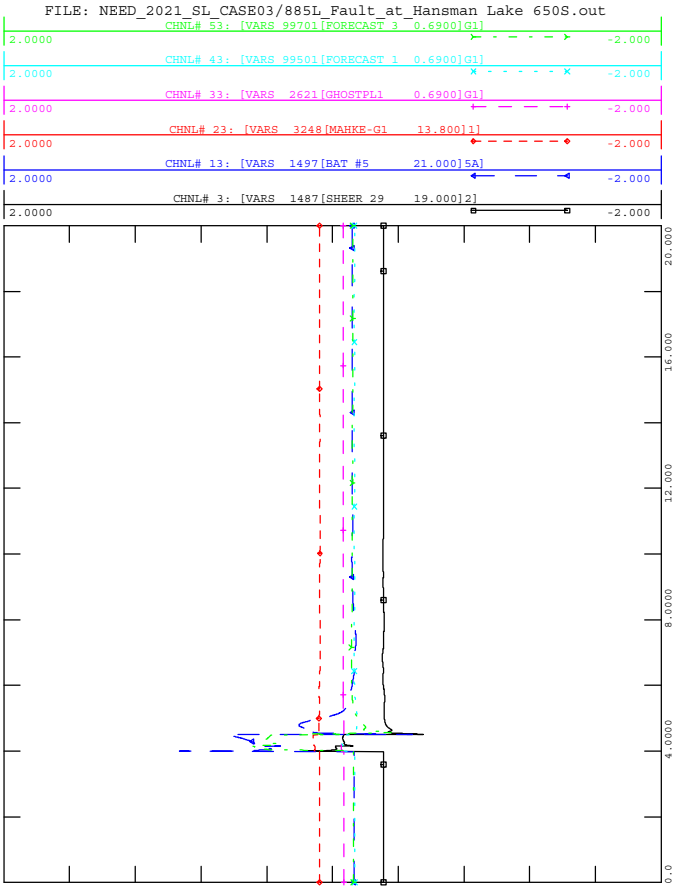
FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/885L_Fault_at_Hansman Lake 650S.out



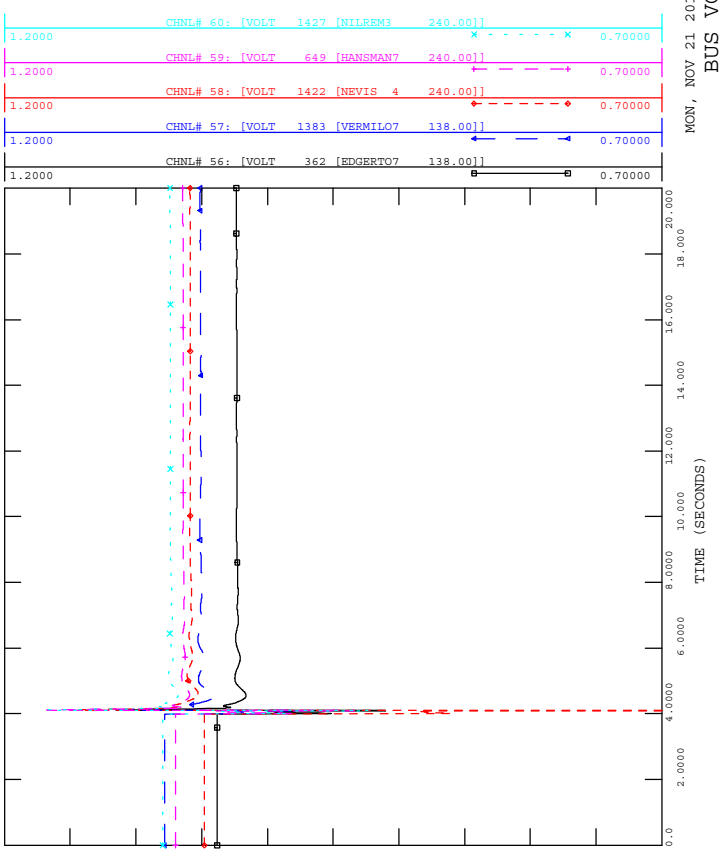
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

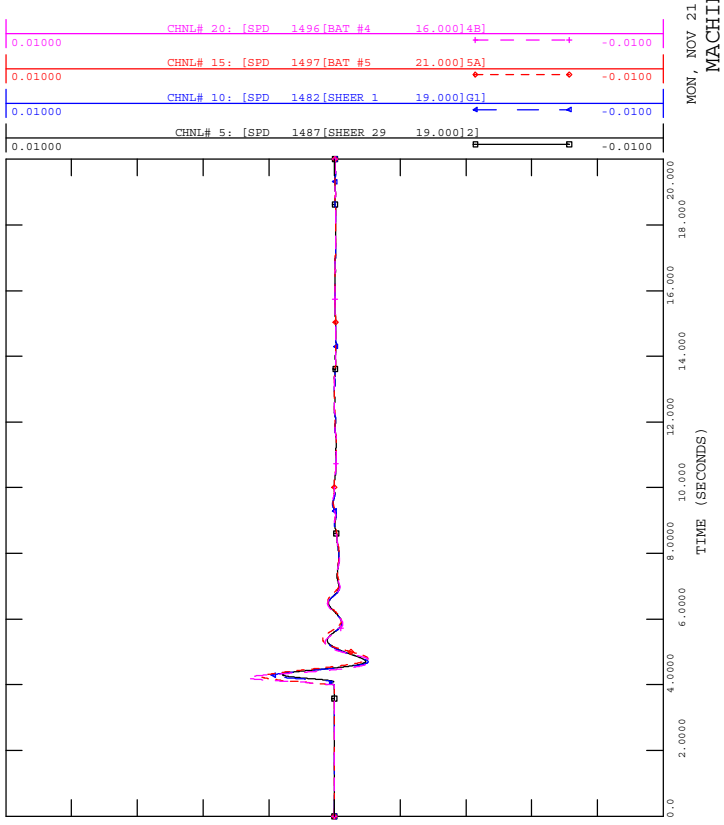


NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

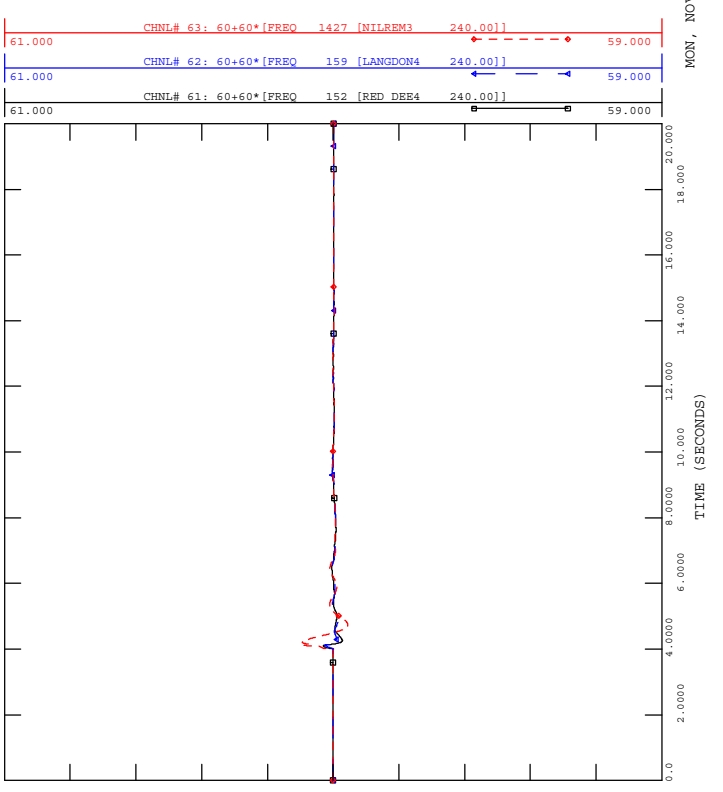


NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:51

FREQUENCY

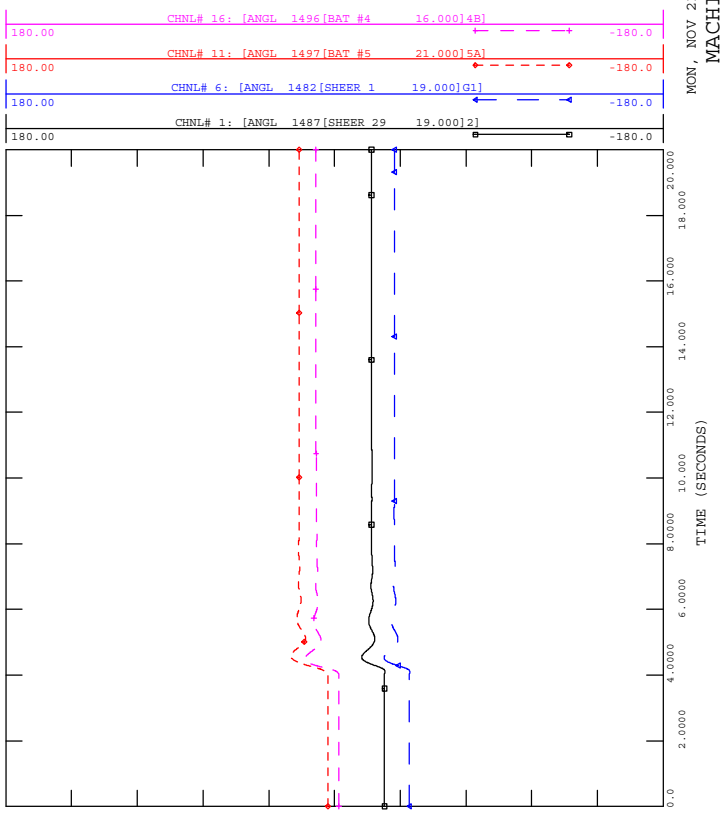


NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out

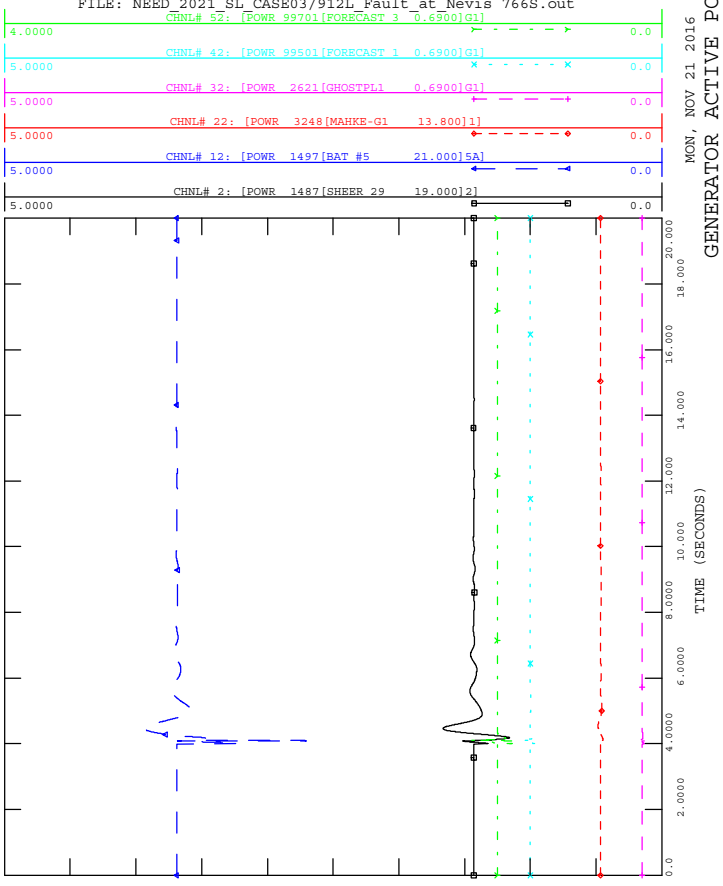
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_NEVIS 766S

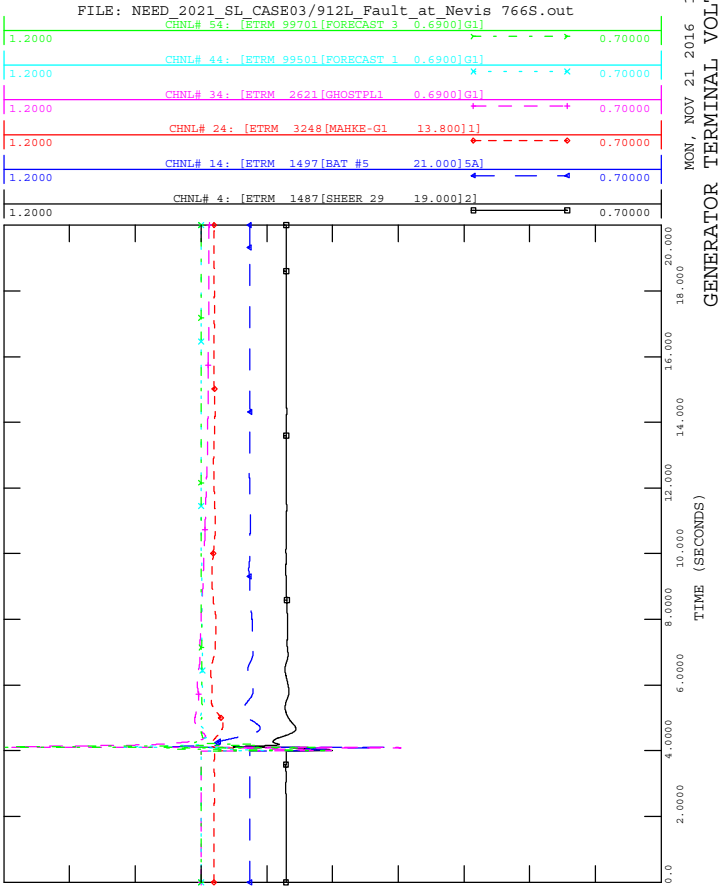
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_NEVIS 766S

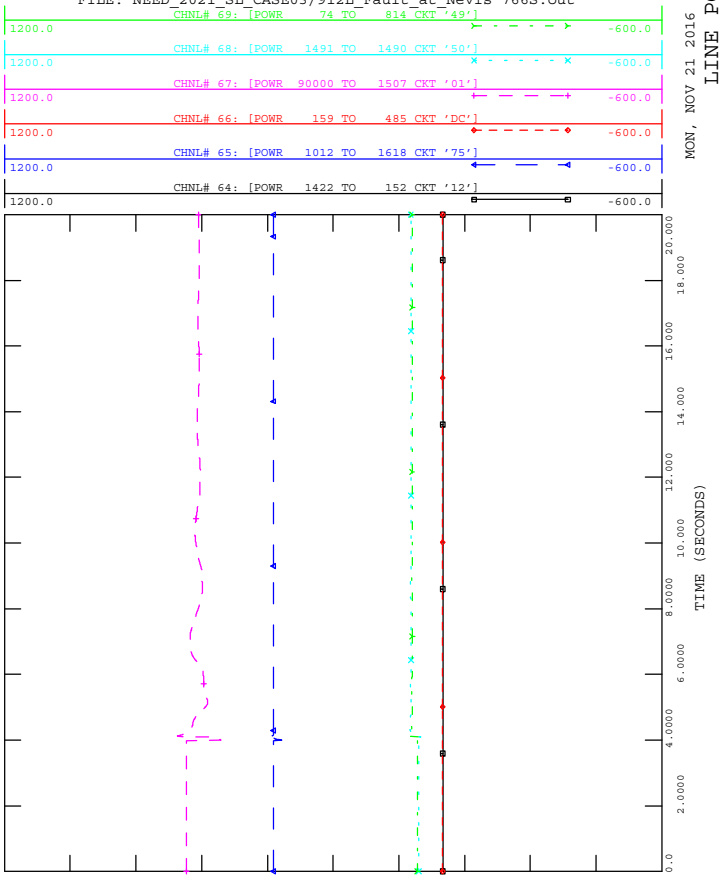
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_NEVIS 766S

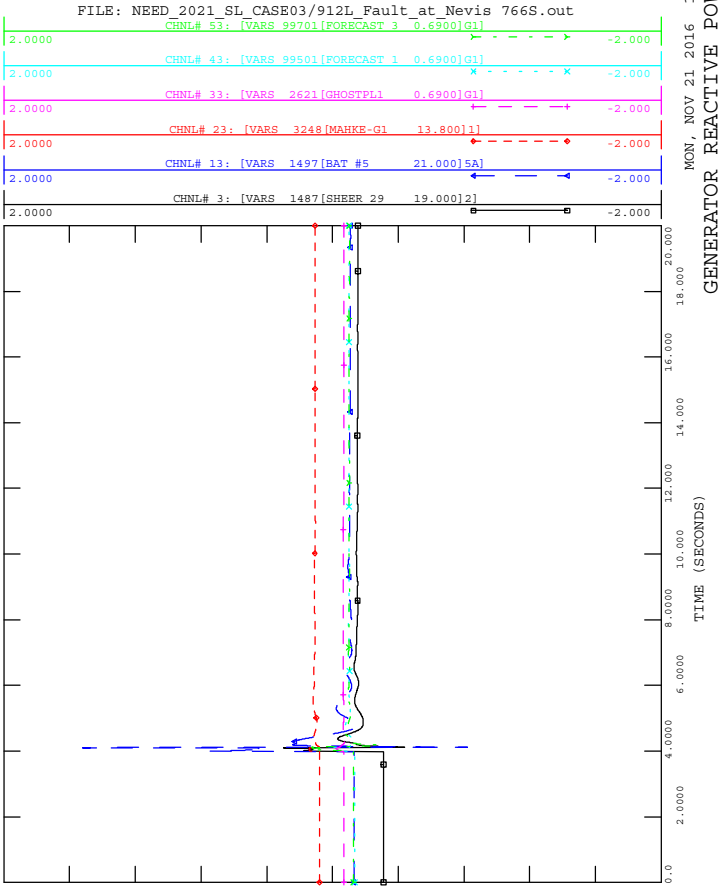
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Nevis 766S.out



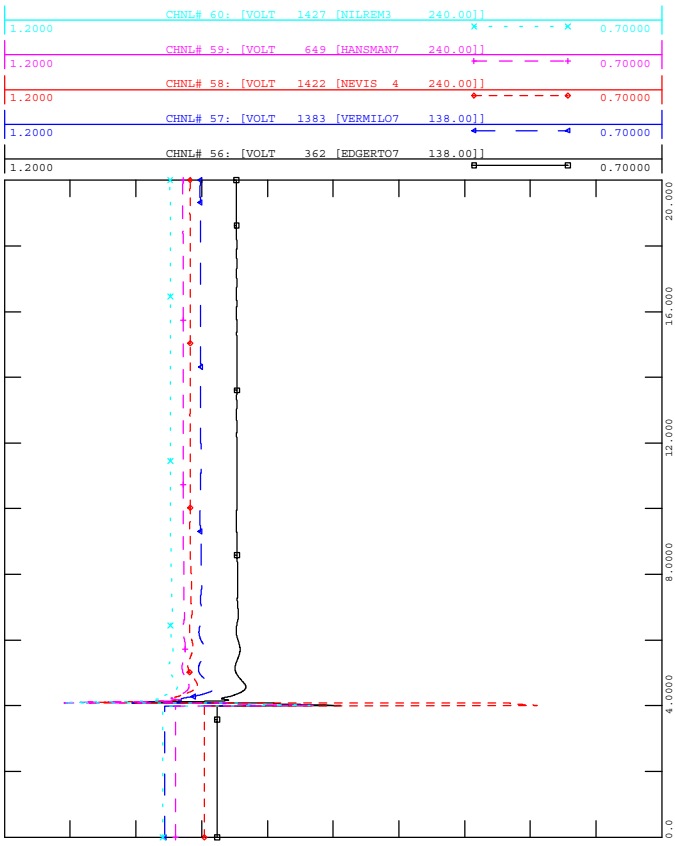
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

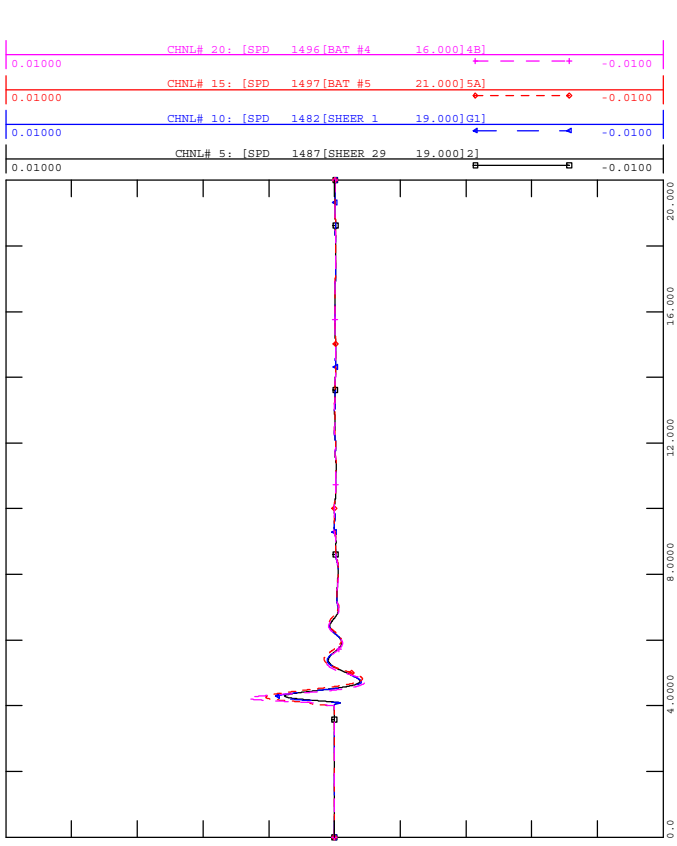


NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

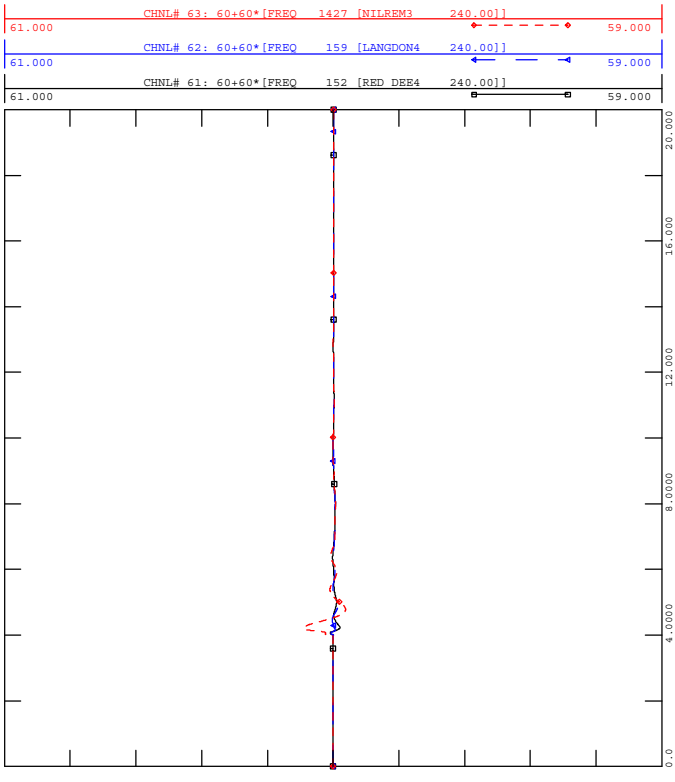


NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out

MON, NOV 21 2016 12:51

FREQUENCY

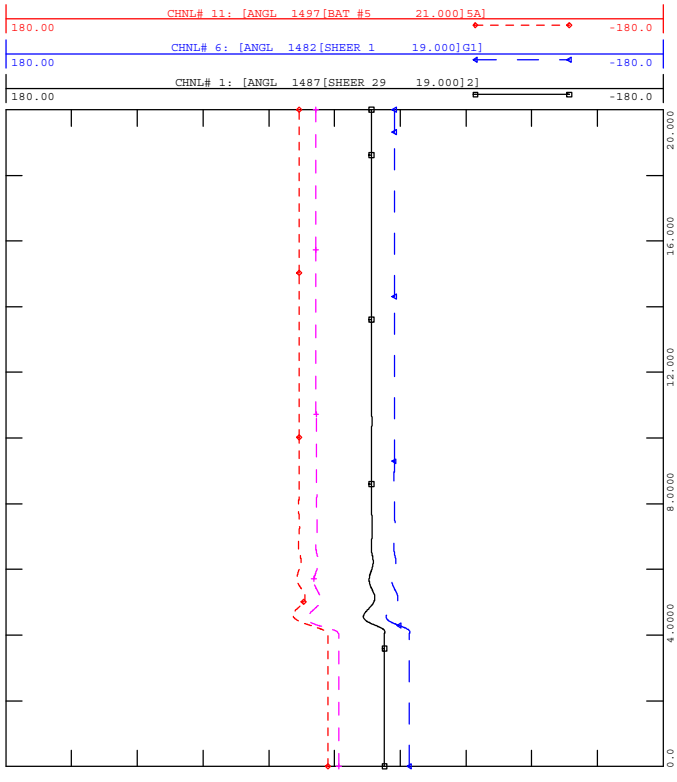


NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out

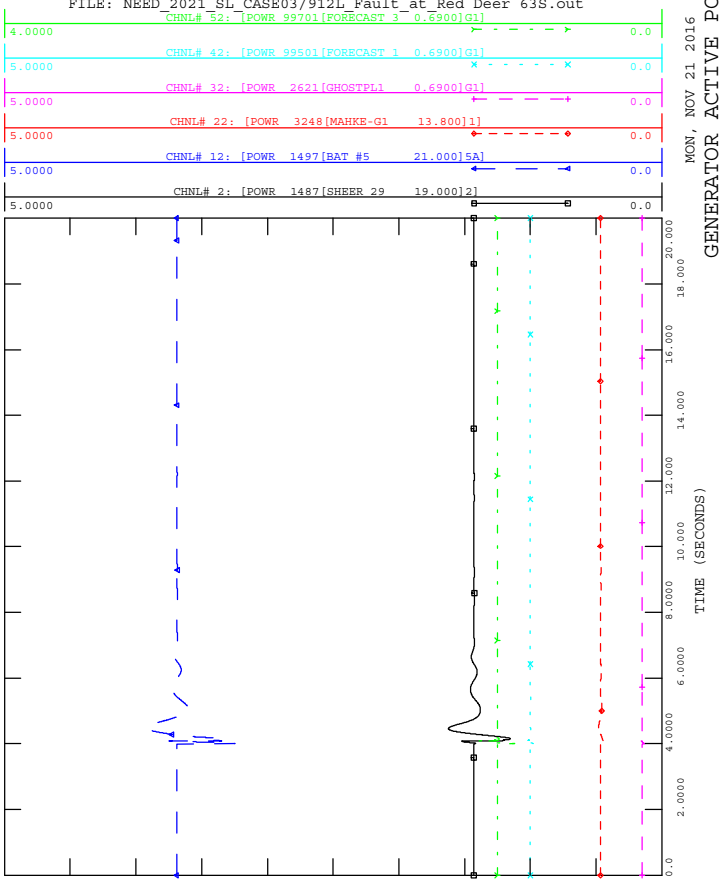
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_RED DEER 63S

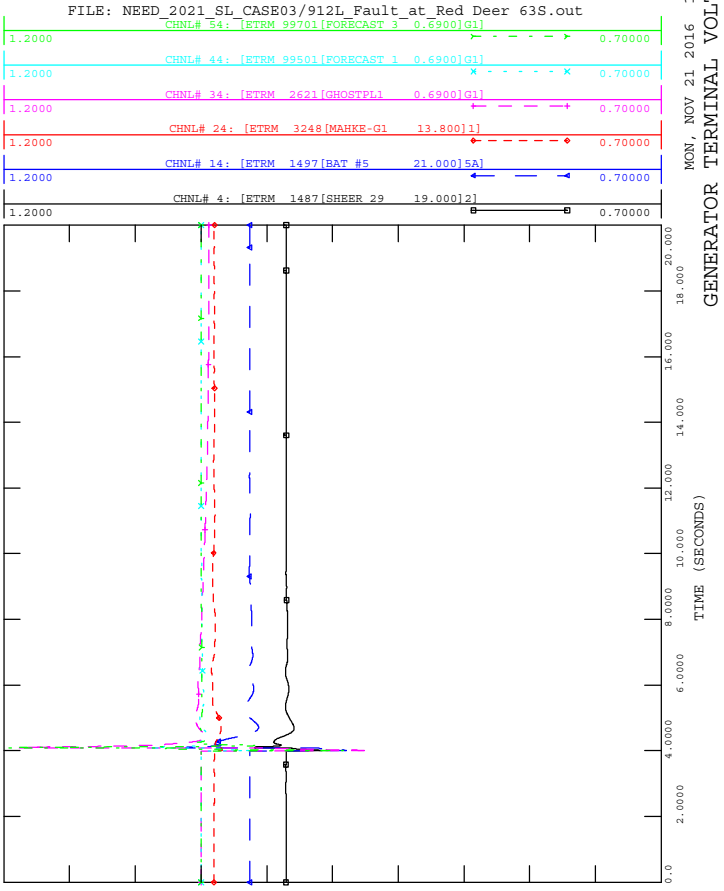
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_RED DEER 63S

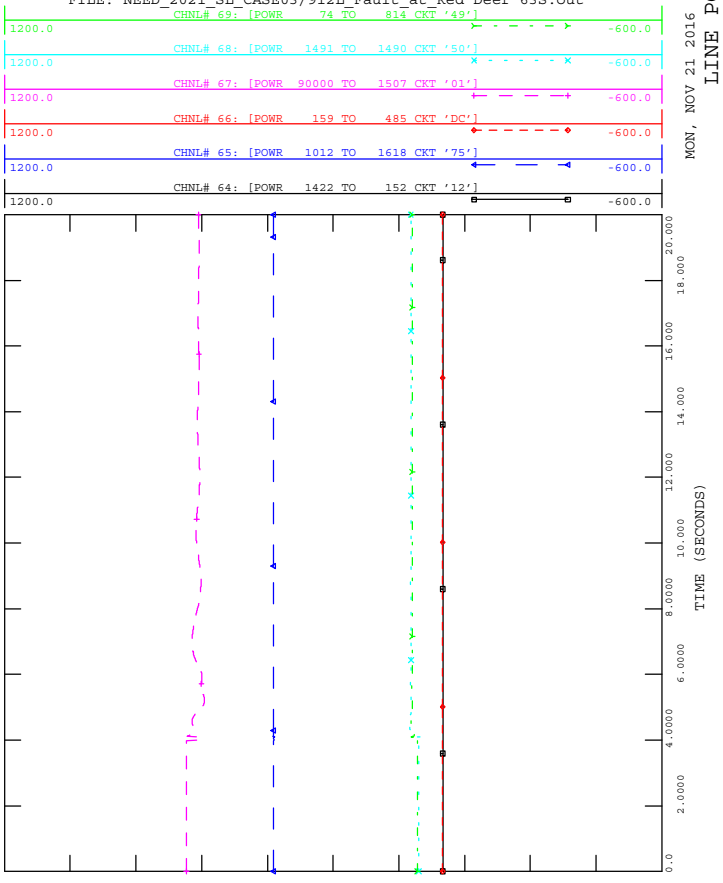
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_RED DEER 63S

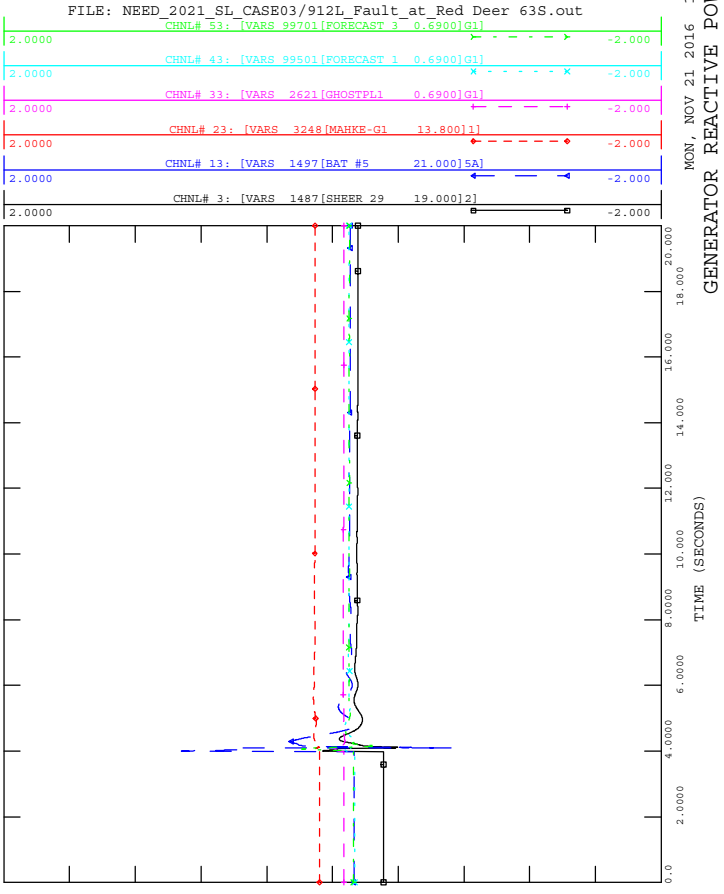
FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_SL_CASE03/912L_Fault_at_Red Deer 63S.out



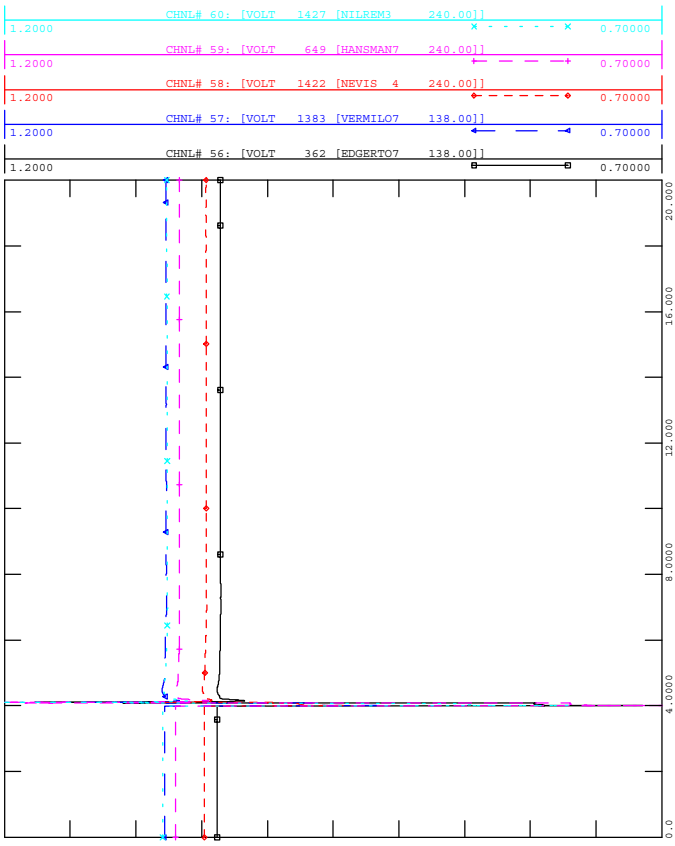
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

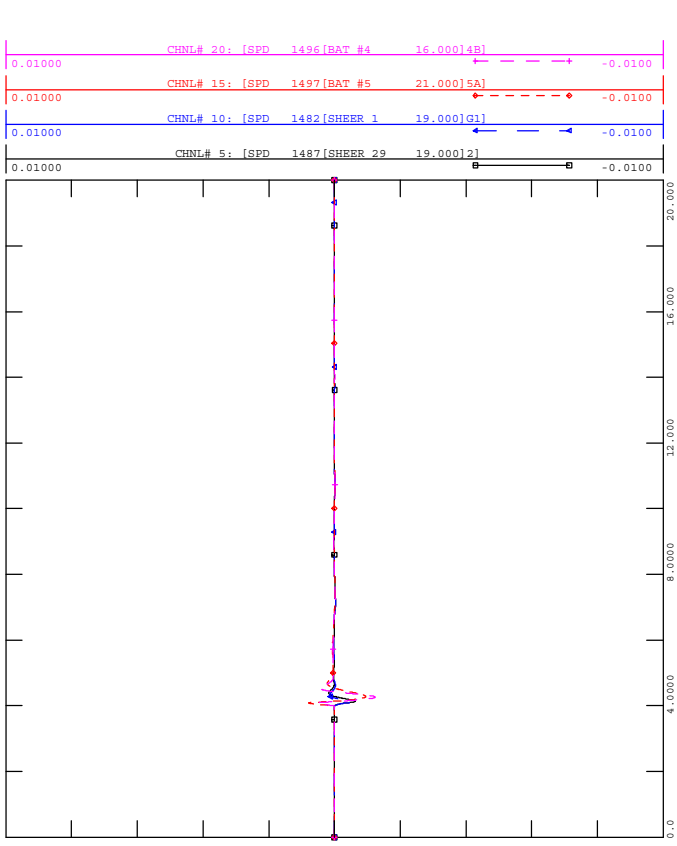


NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

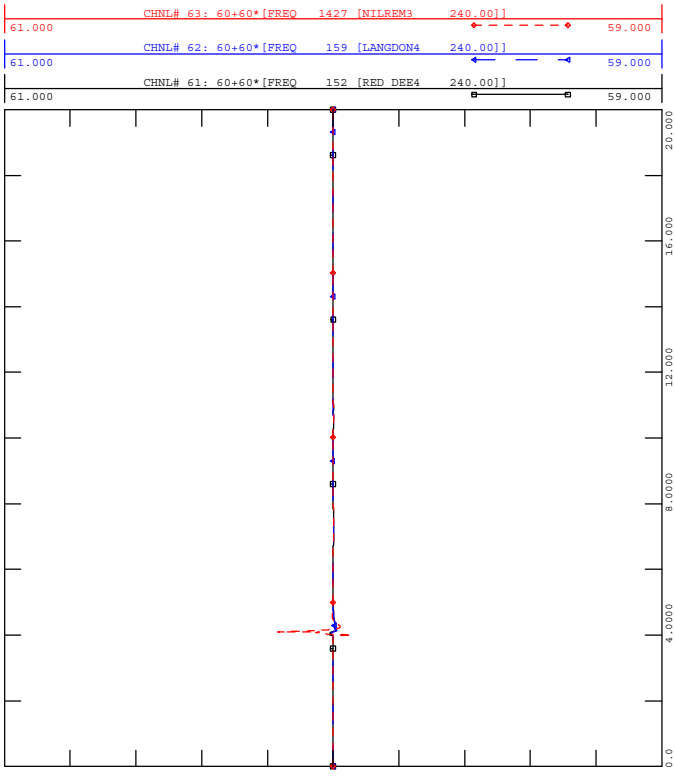


NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:51

FREQUENCY

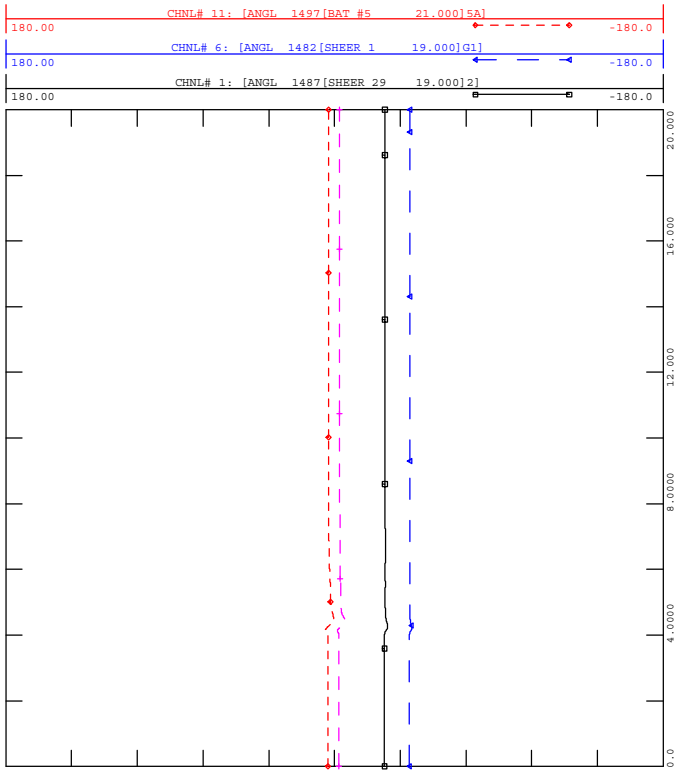


NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out

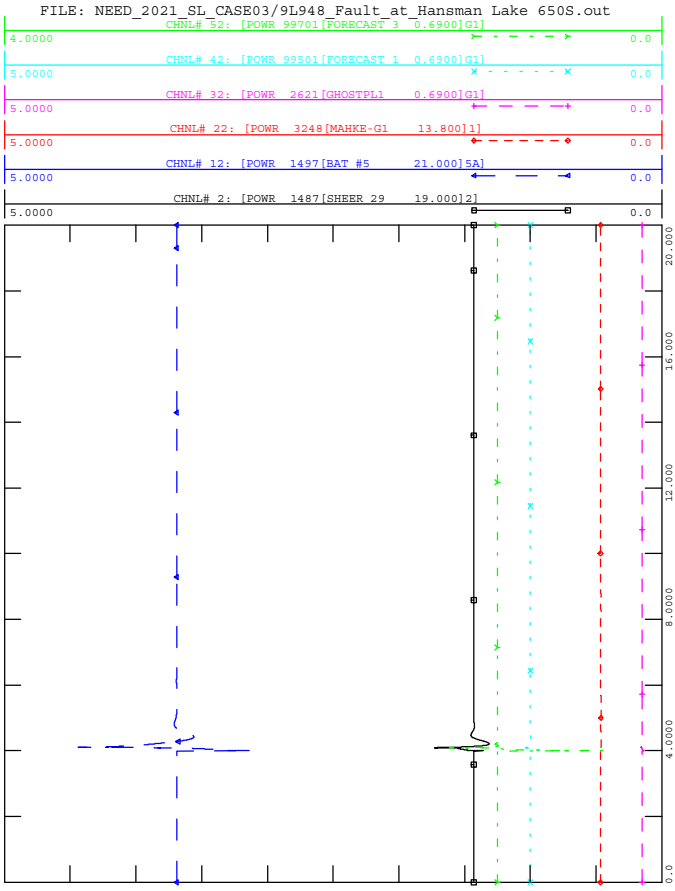
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

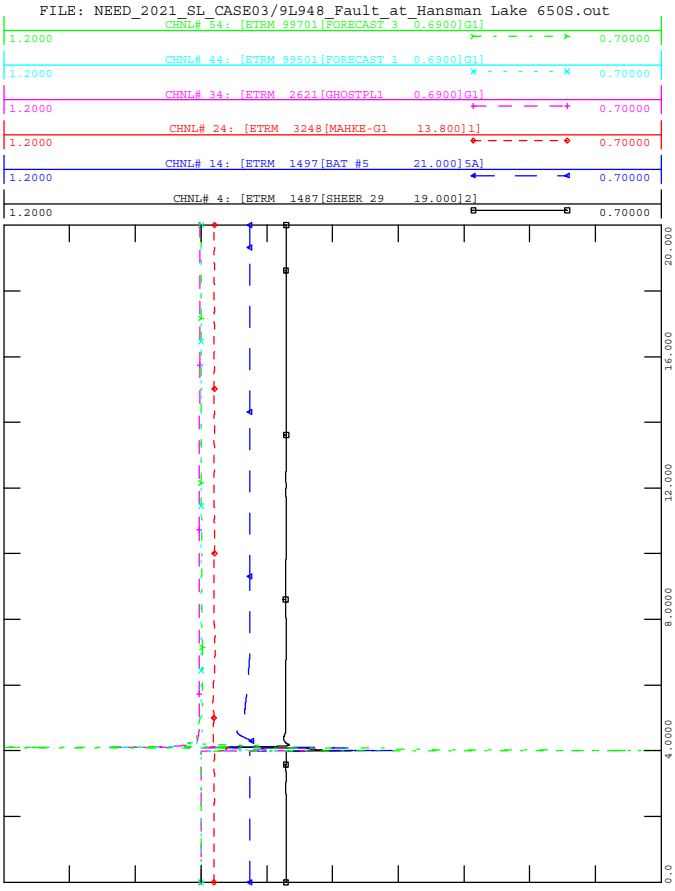
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

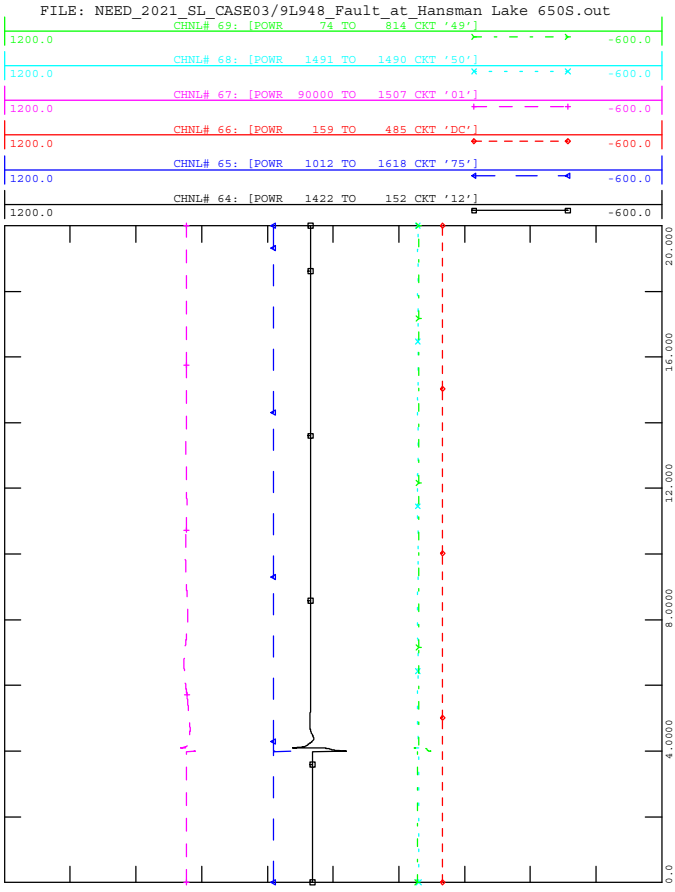
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

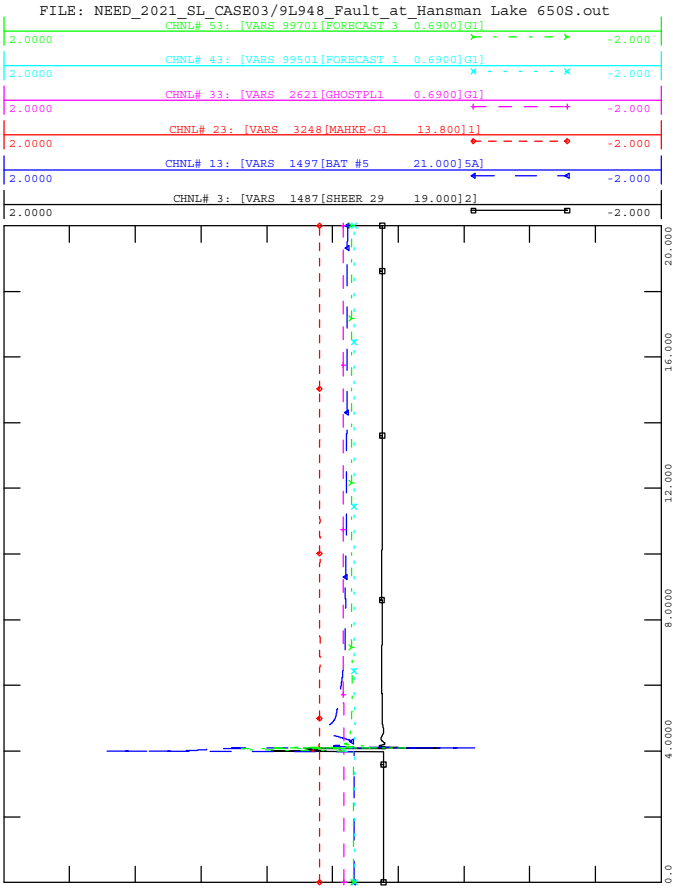
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Hansman Lake 650S.out



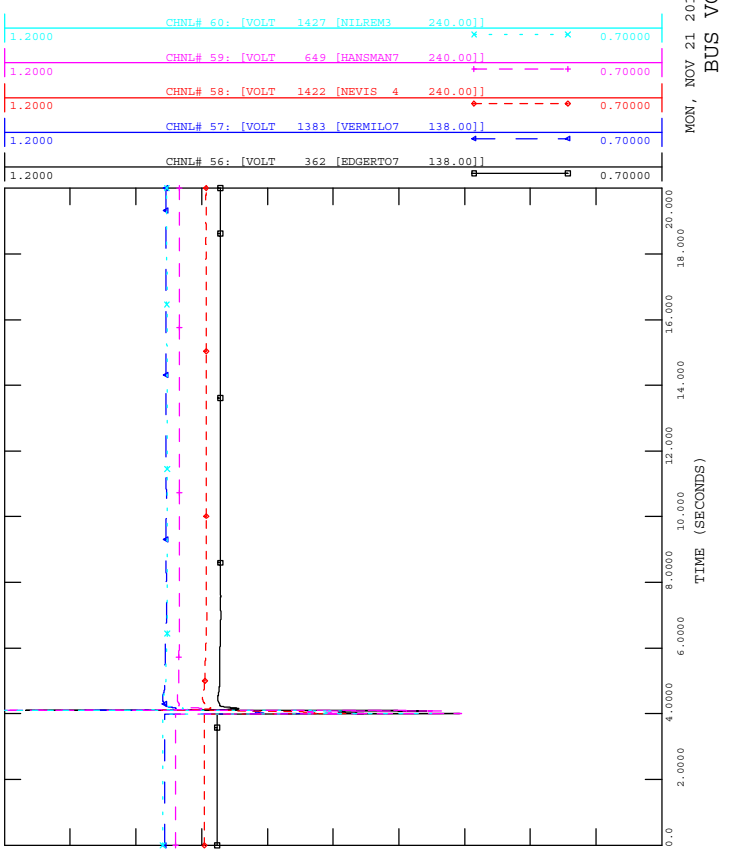
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

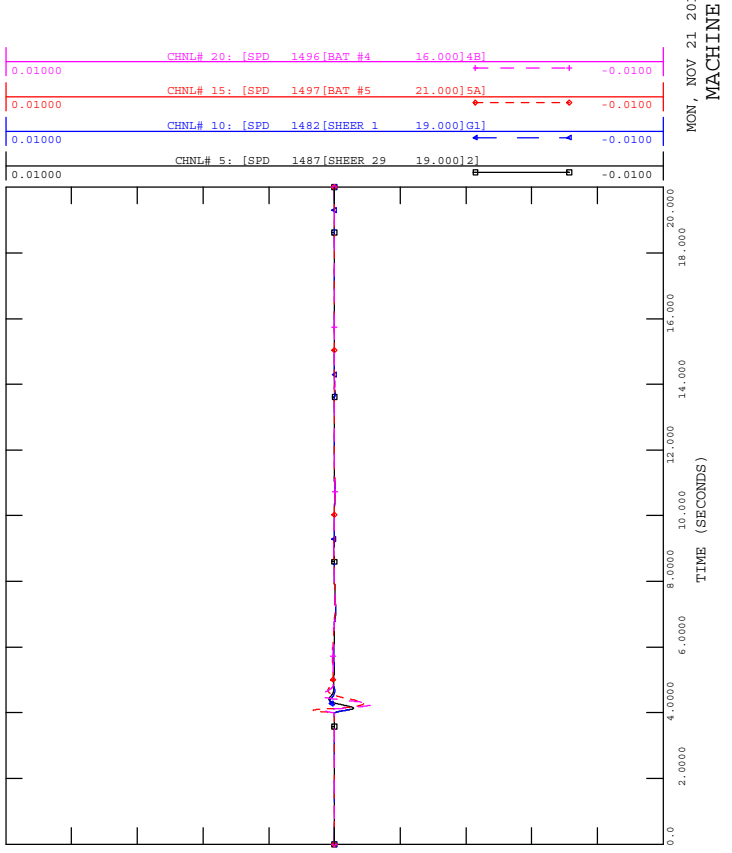


NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

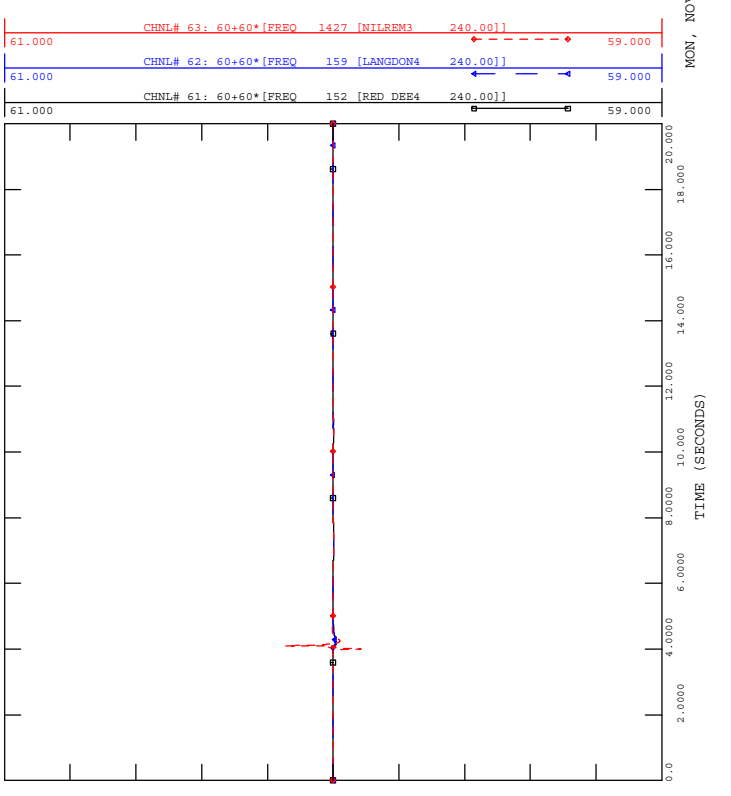


NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:51

FREQUENCY

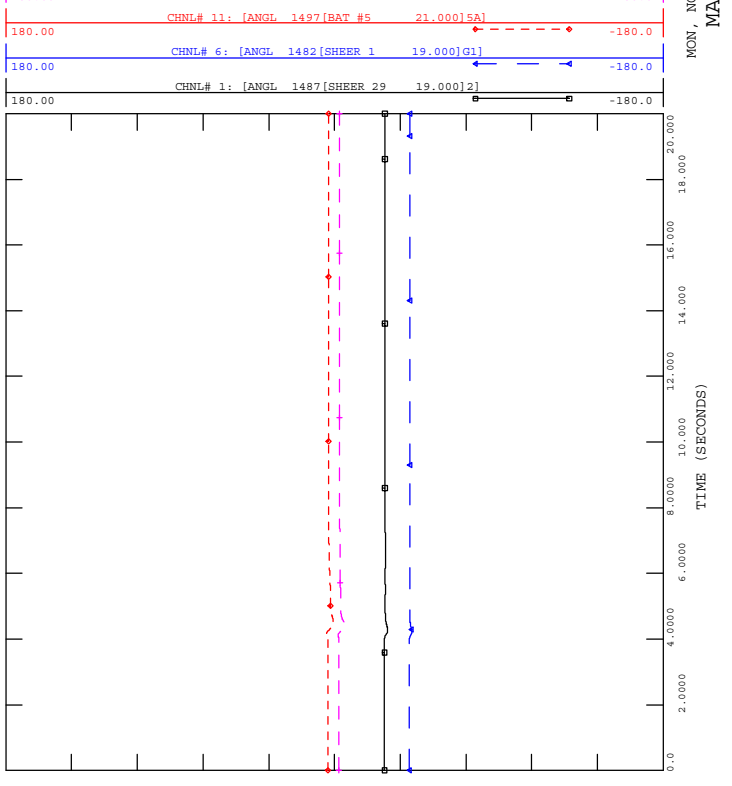


NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out

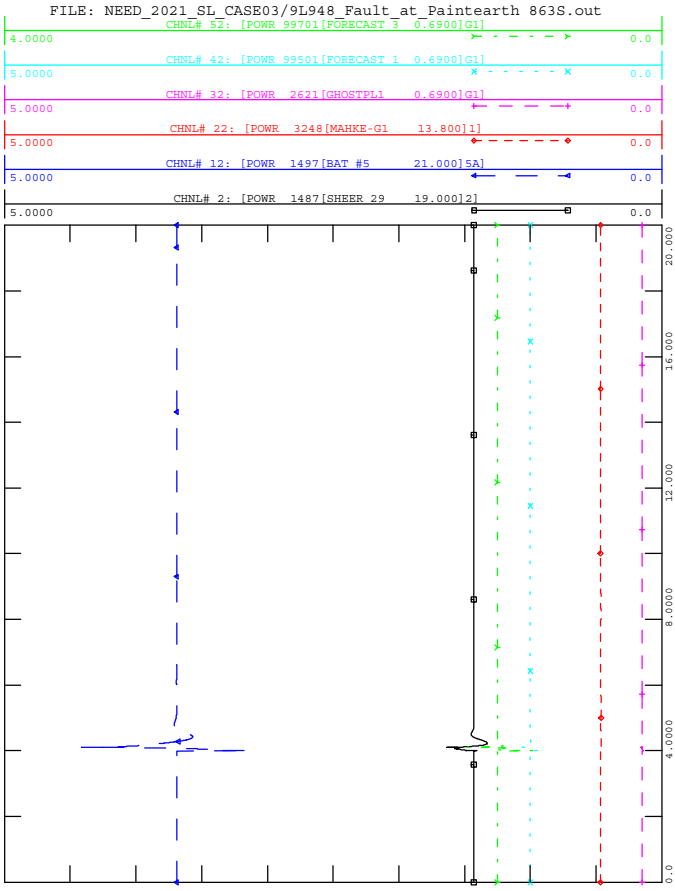
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

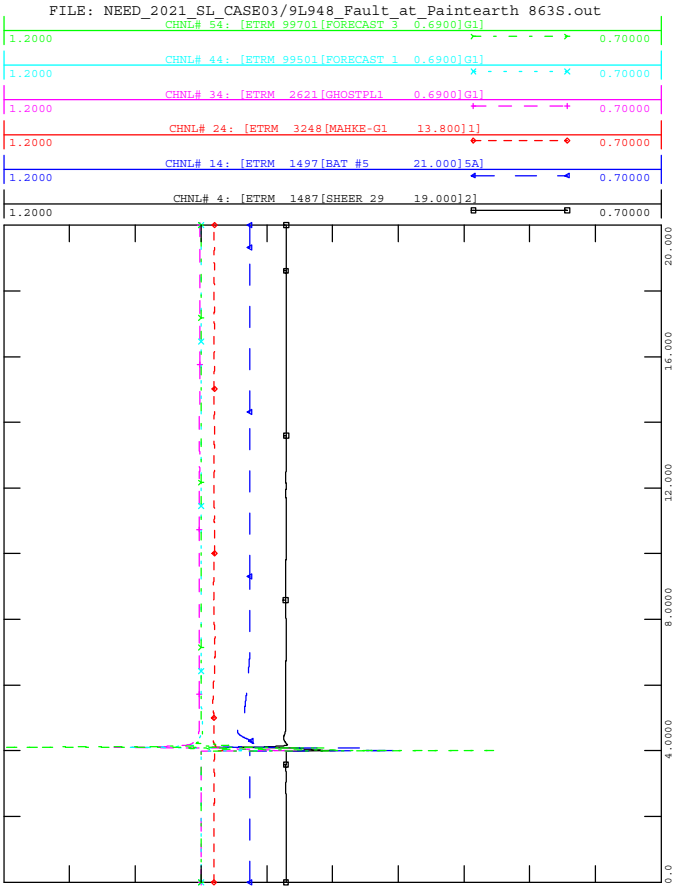
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

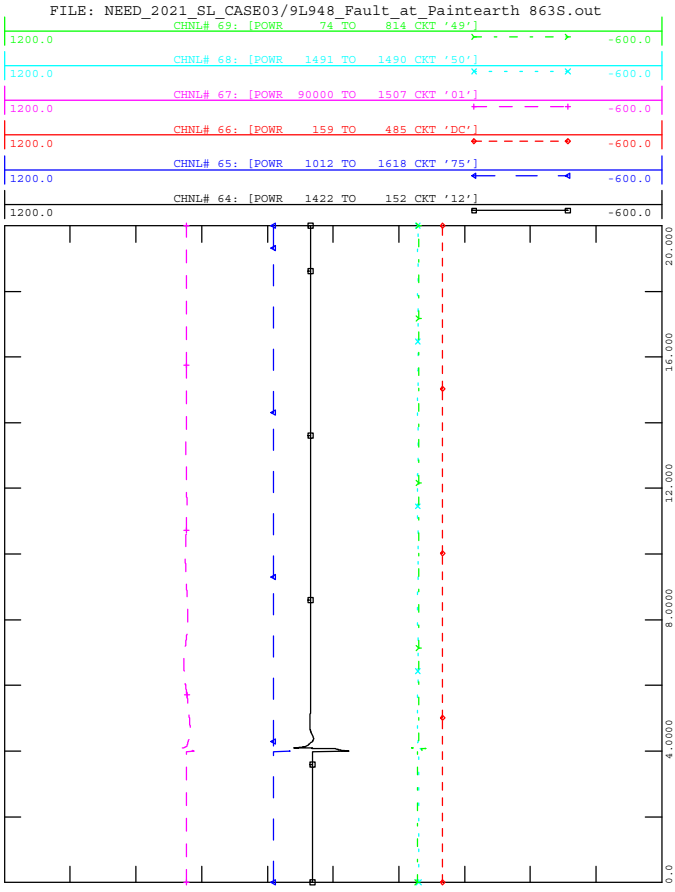
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

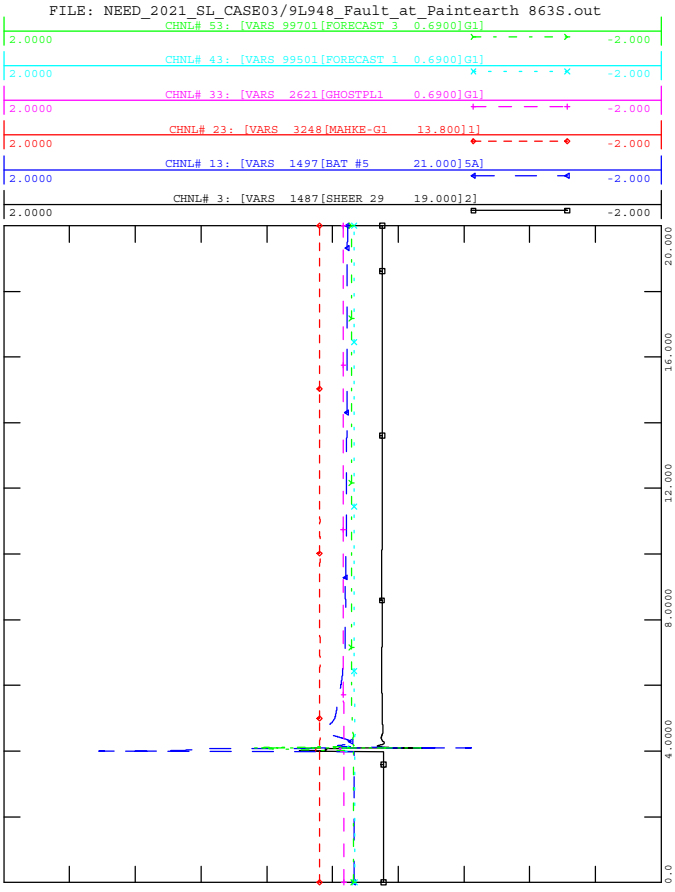
FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L948_Fault_at_Paintearth 863S.out



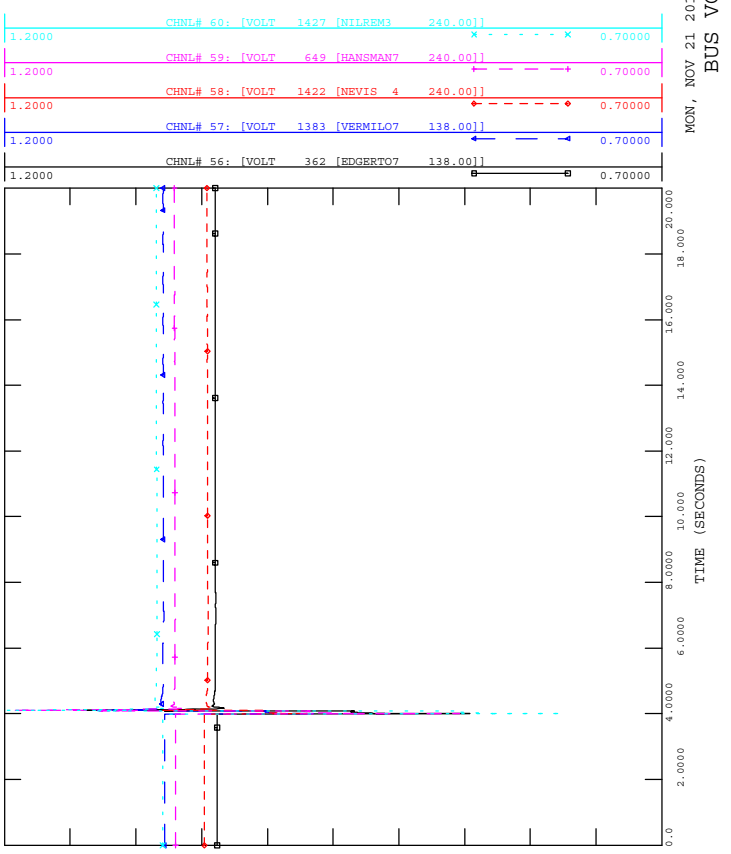
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

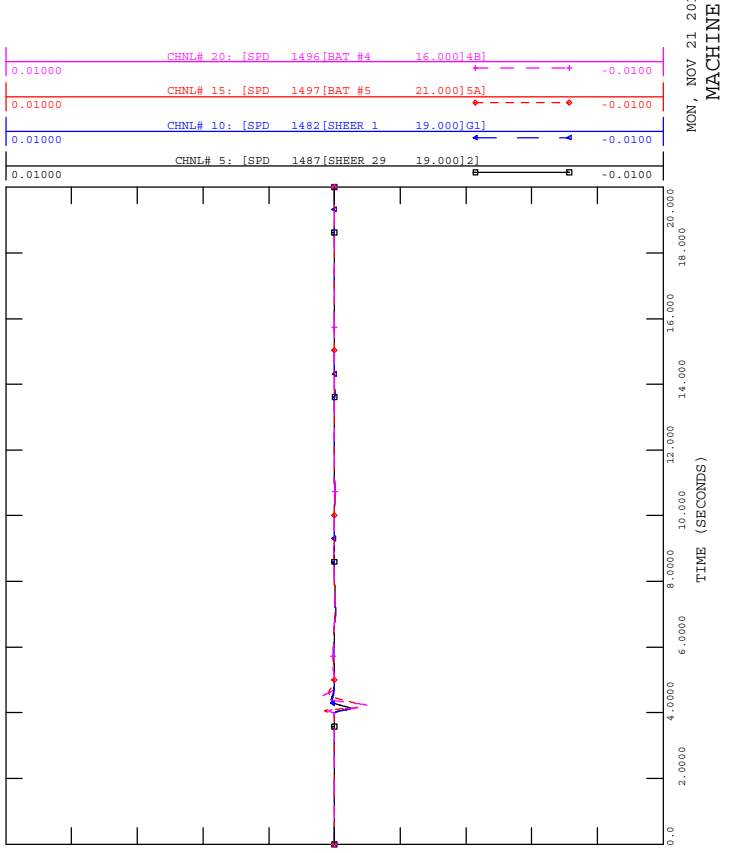


NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

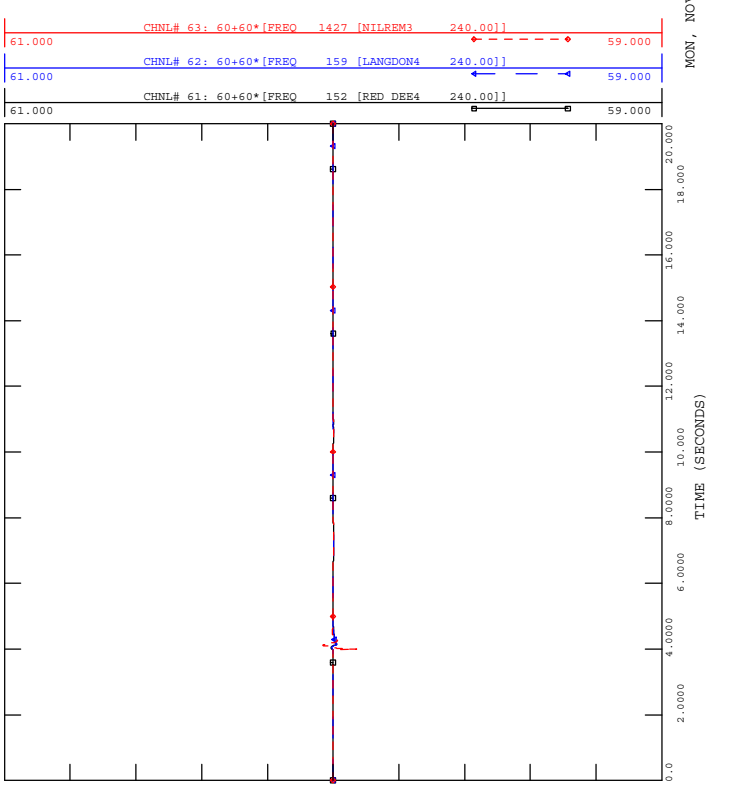


NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out

MON, NOV 21 2016 12:51

FREQUENCY

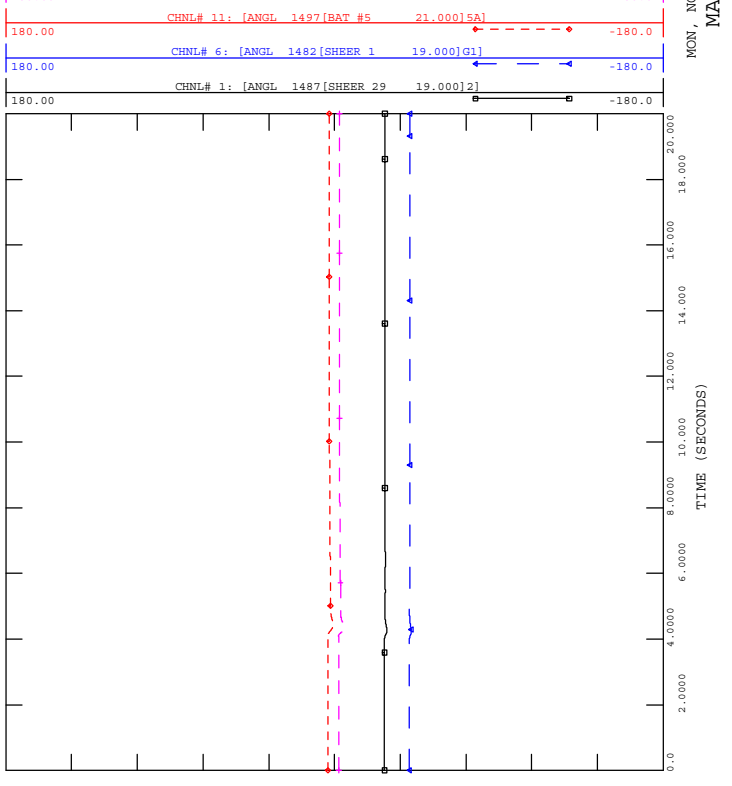


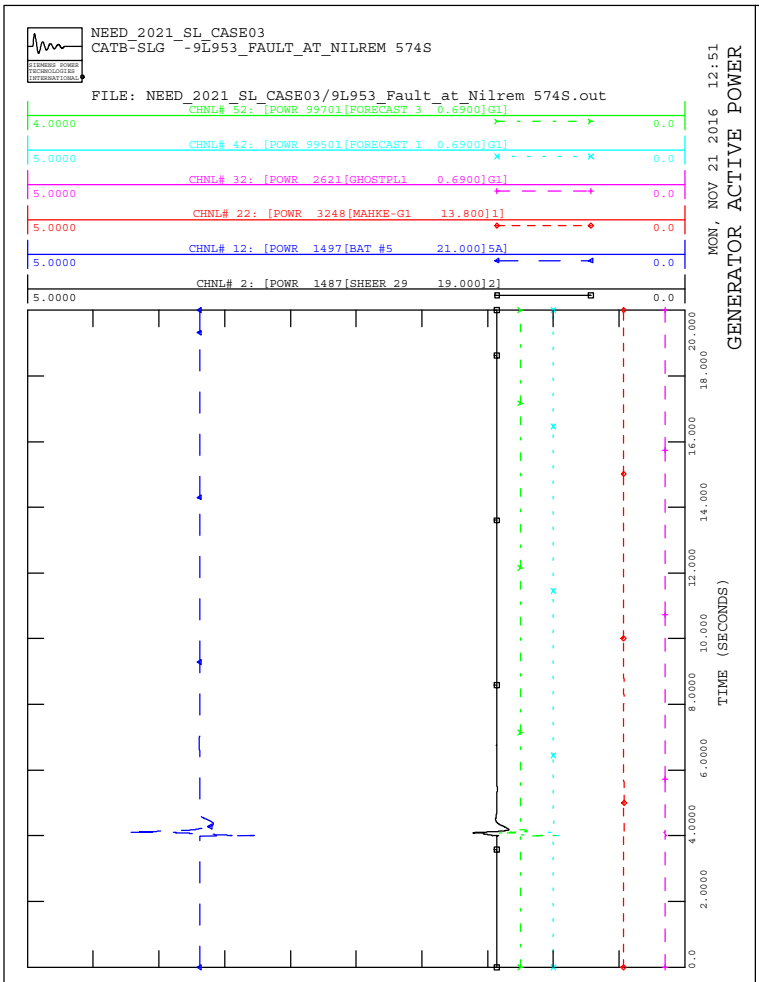
NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_NILREM 574S

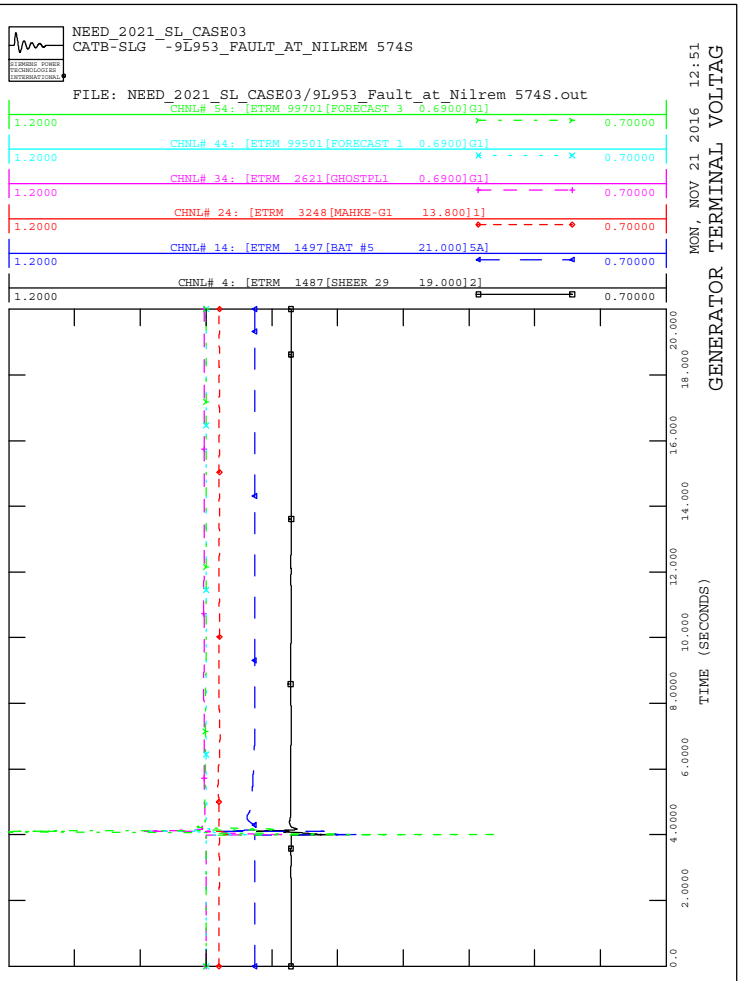
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out

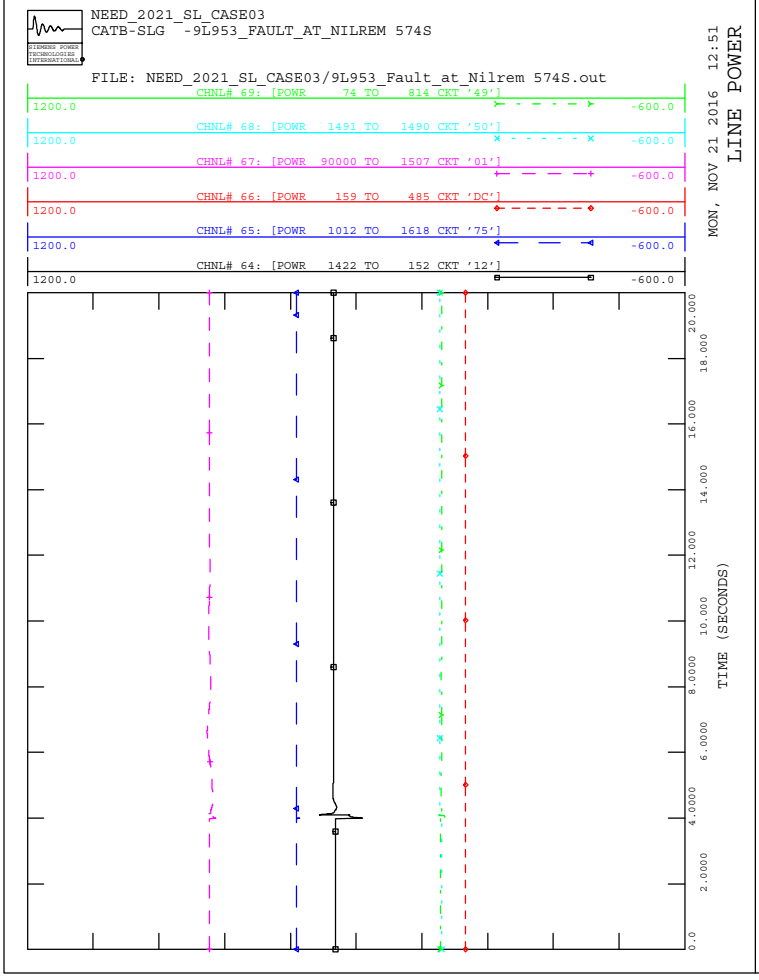
MON, NOV 21 2016 12:51

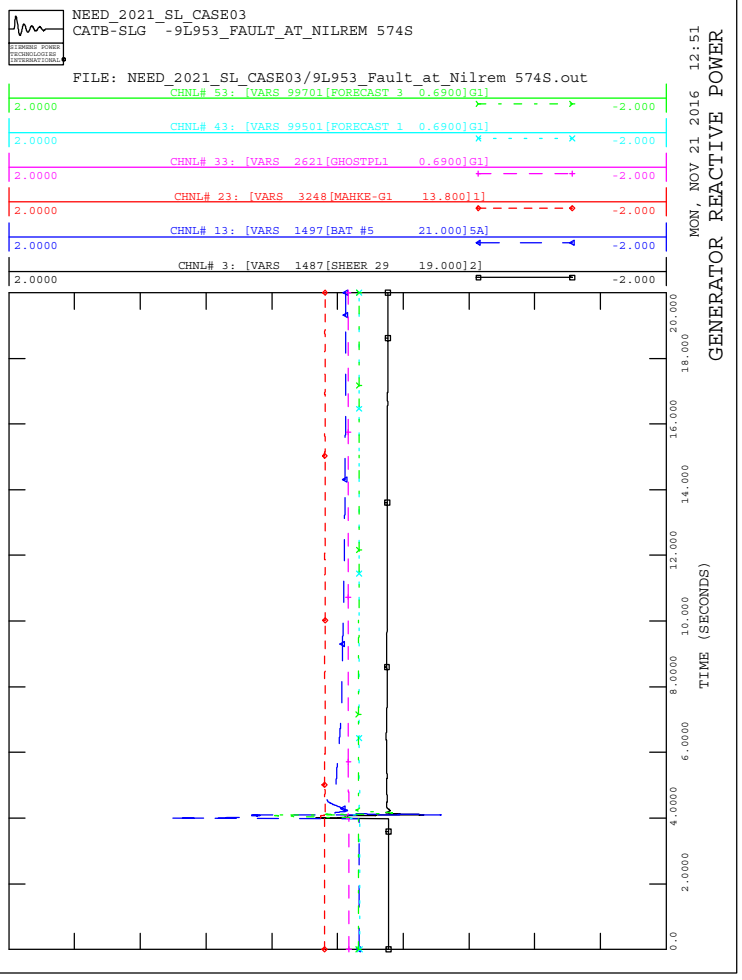
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:51
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:51
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:51
TIME (SECONDS)

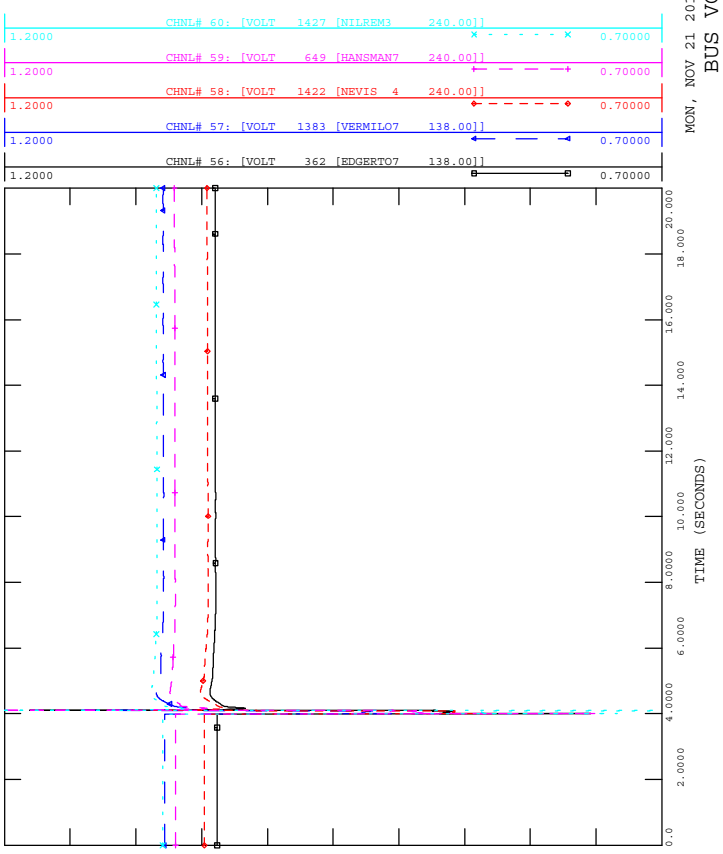

NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Nilrem 574S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:51
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

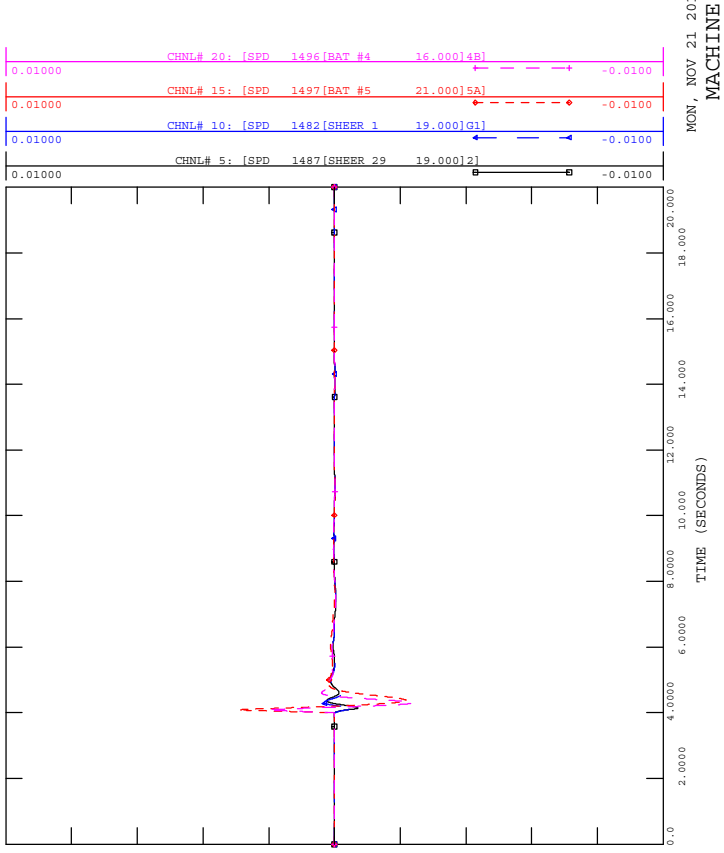


NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

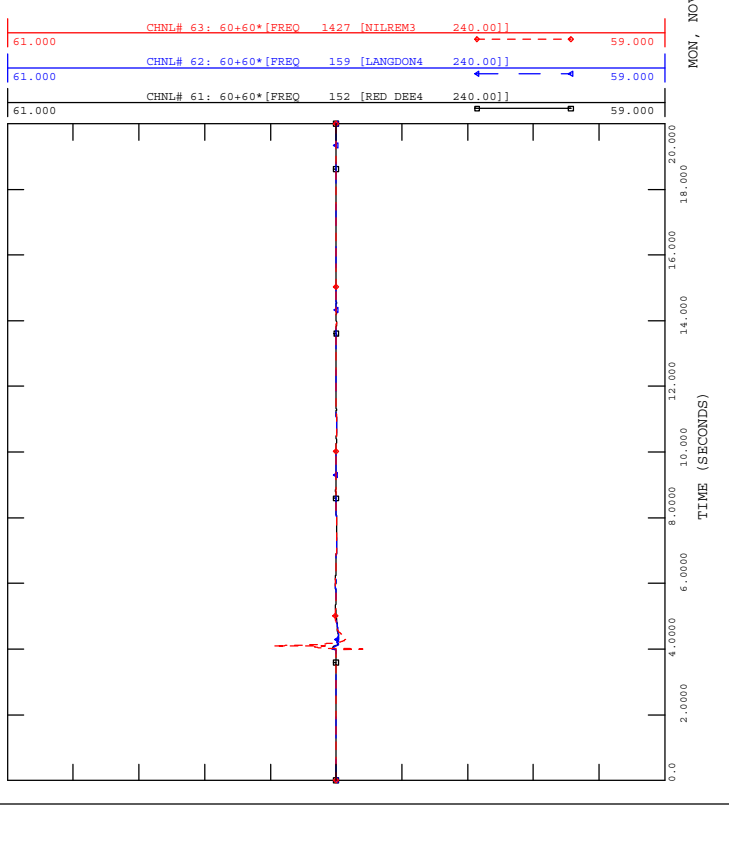


NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:51

FREQUENCY

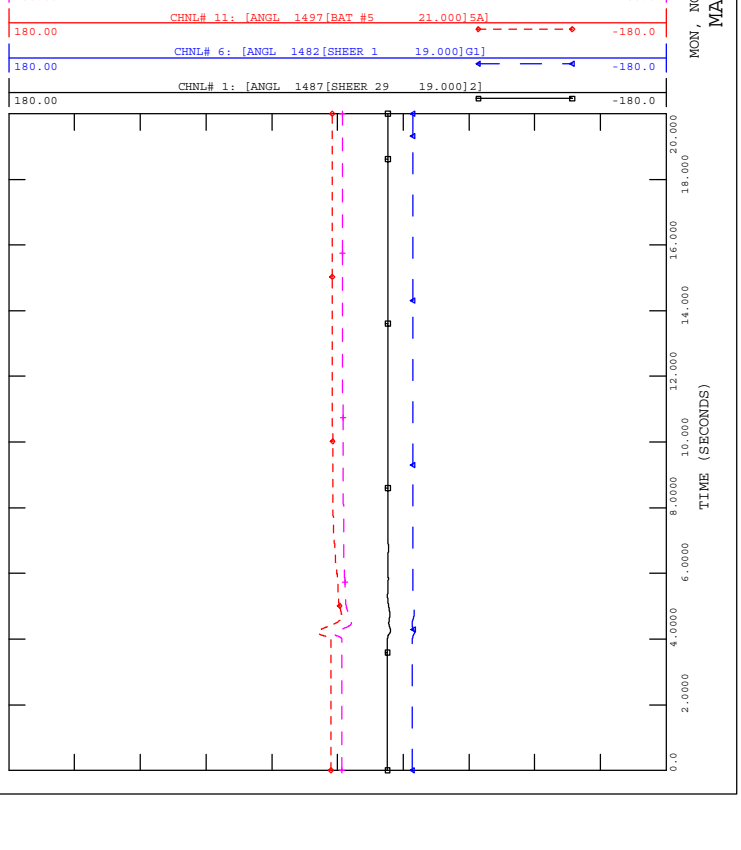


NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out

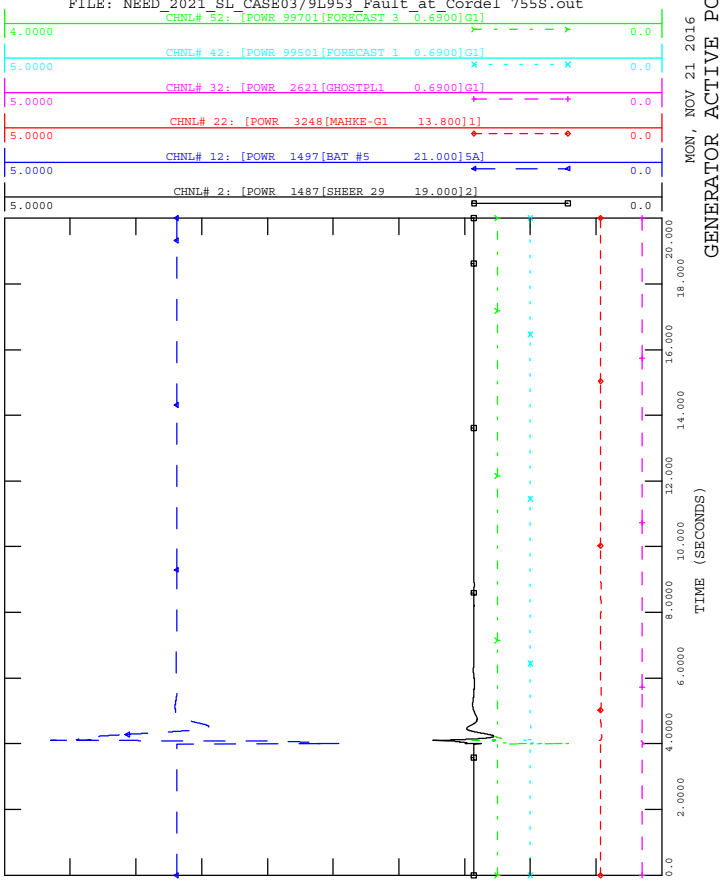
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

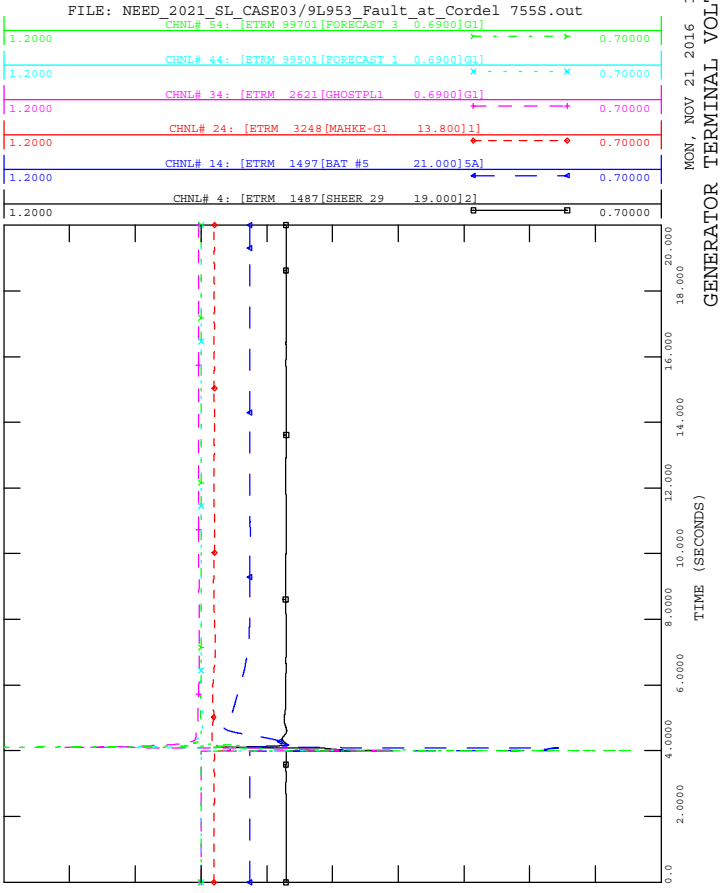
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

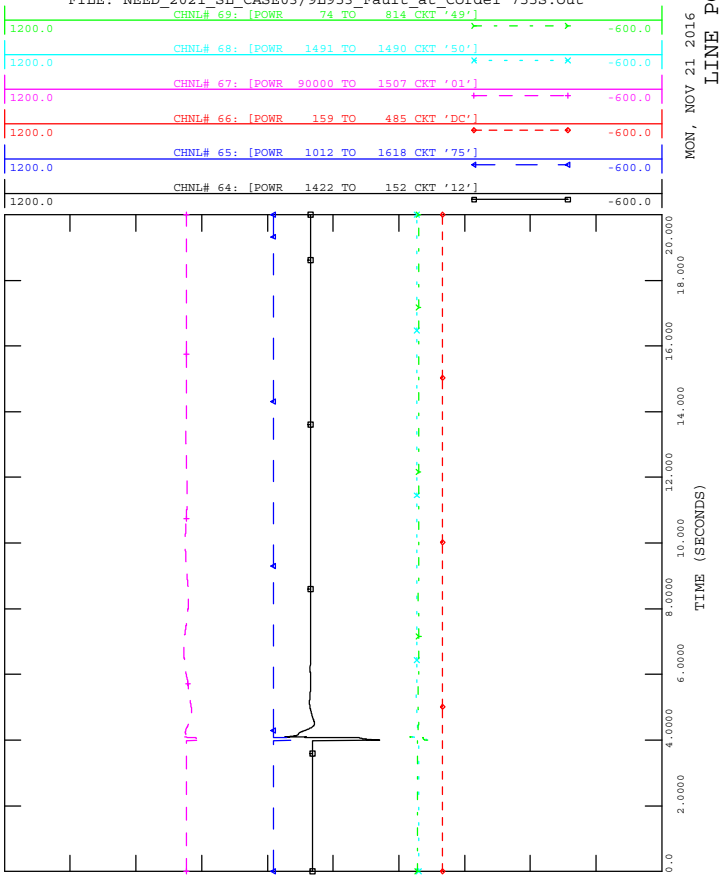
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

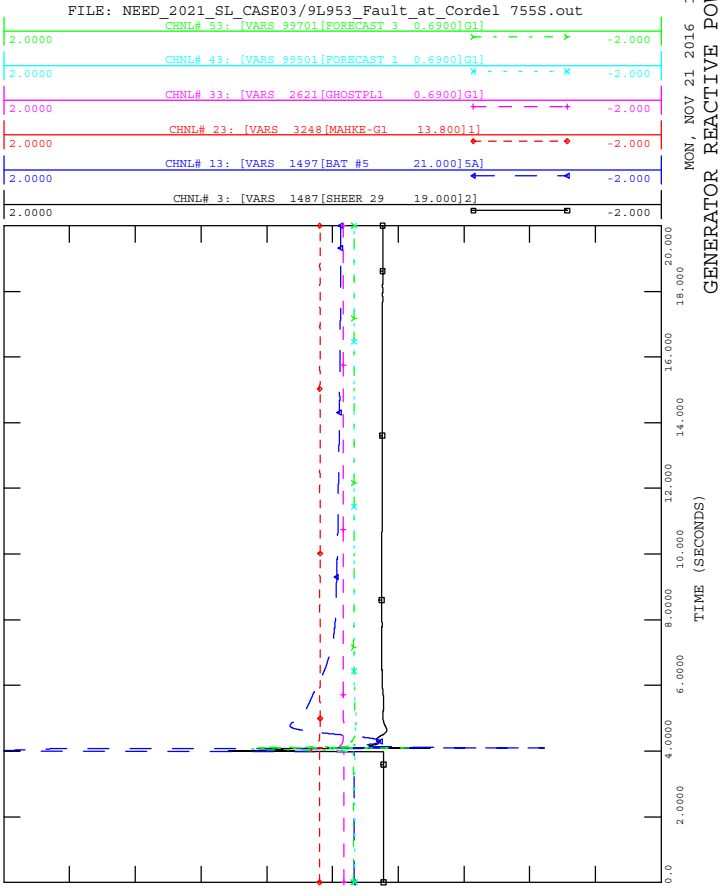
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

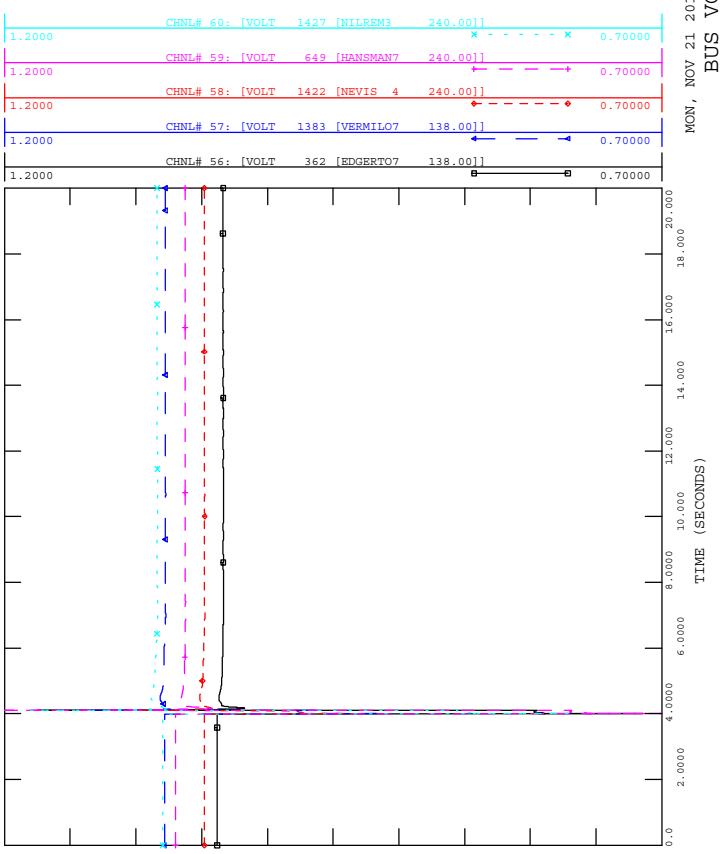
FILE: NEED_2021_SL_CASE03/9L953_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_NILREM 574S

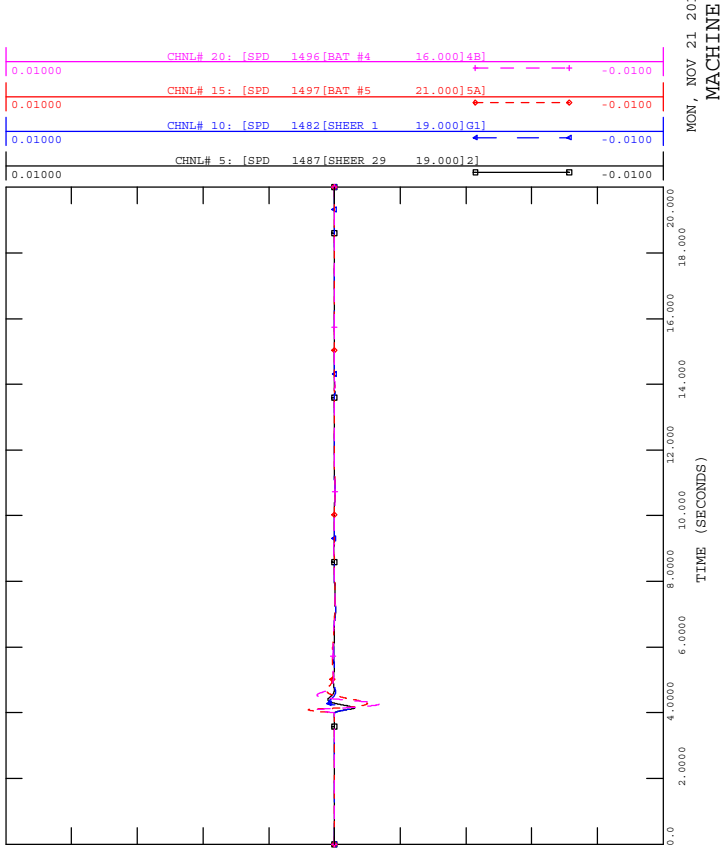
FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out



MON, NOV 21 2016 12:51
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_NILREM 574S

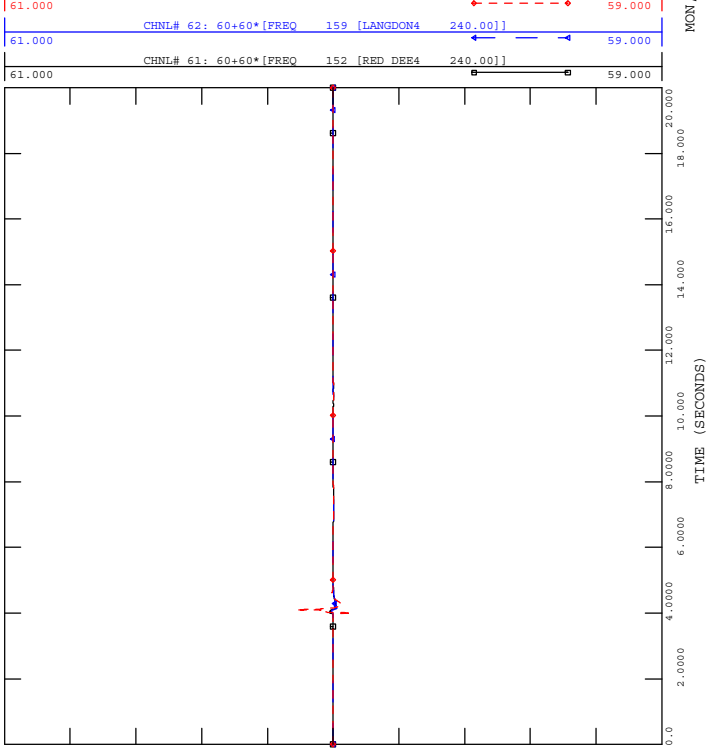
FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out



MON, NOV 21 2016 12:51
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_NILREM 574S

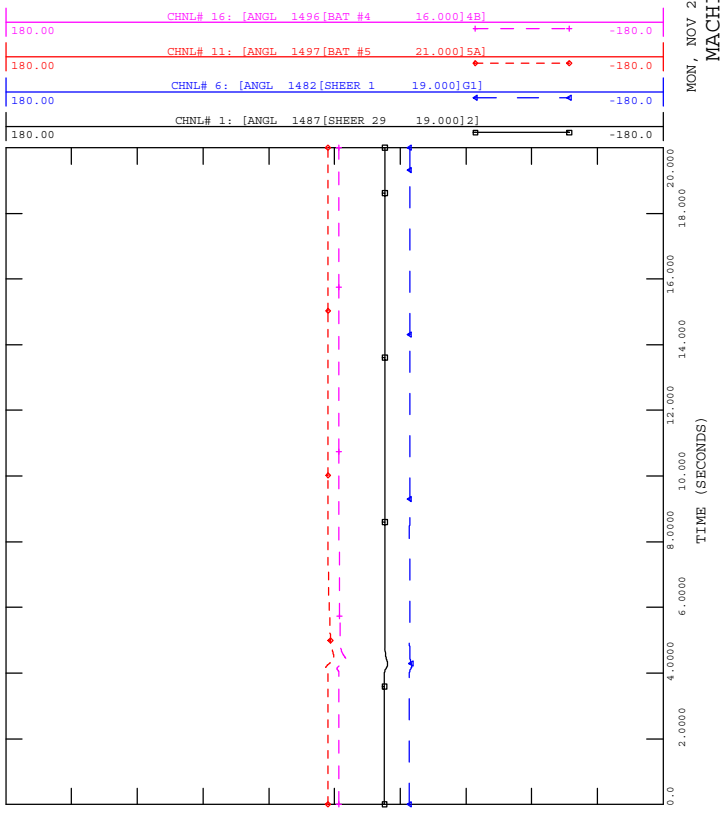
FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out



MON, NOV 21 2016 12:51
FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_NILREM 574S

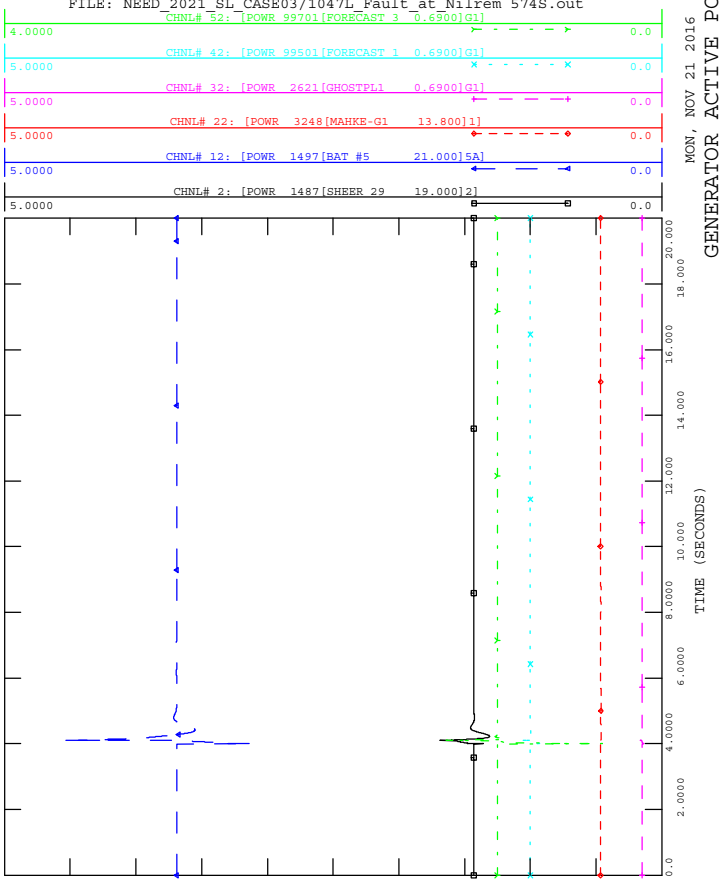
FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out



MON, NOV 21 2016 12:51
MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out

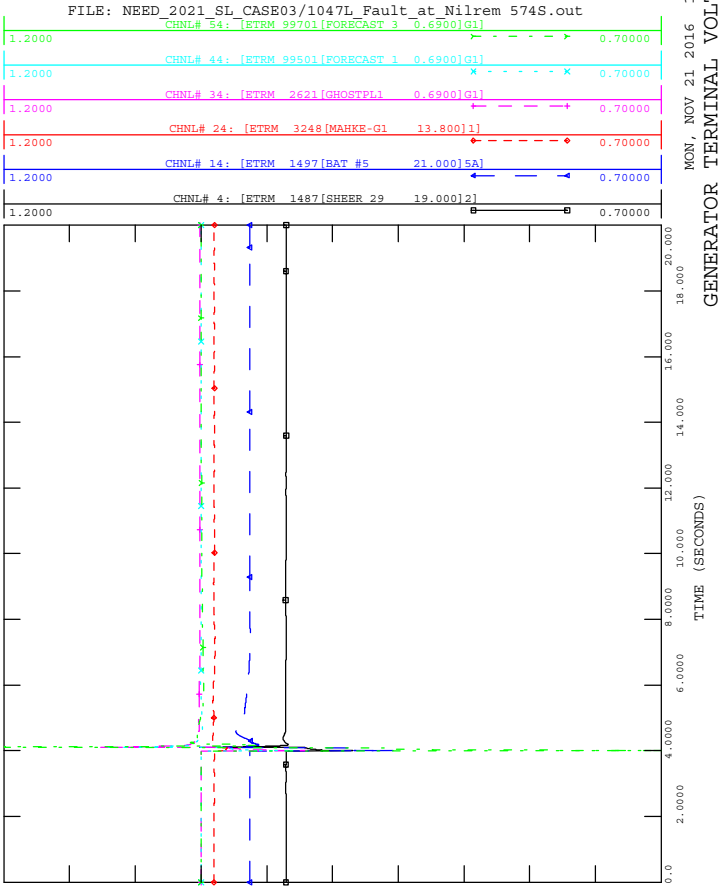


MON, NOV 21 2016 12:51

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out

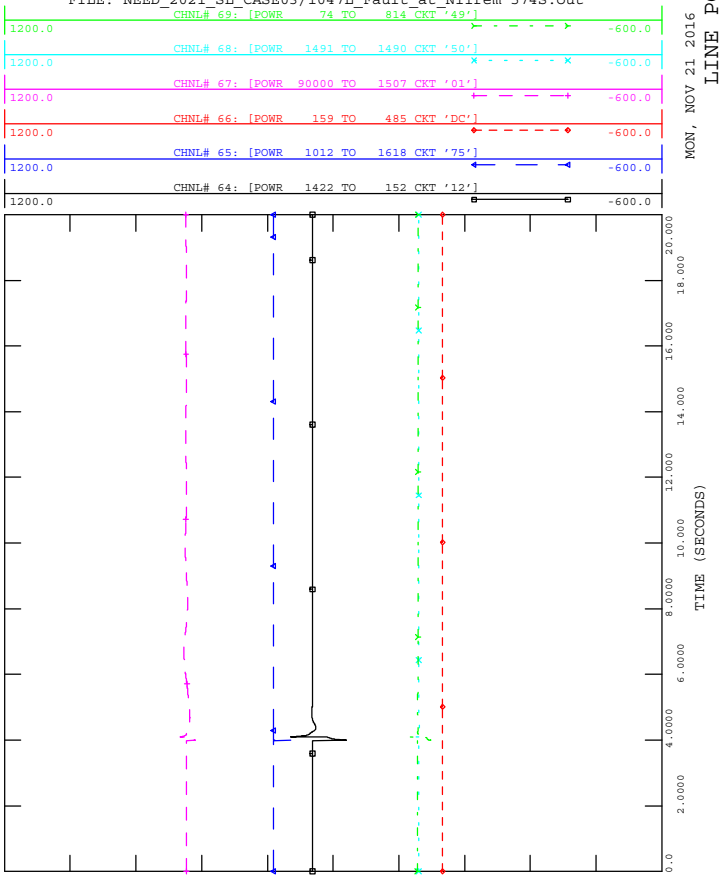


MON, NOV 21 2016 12:51

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out

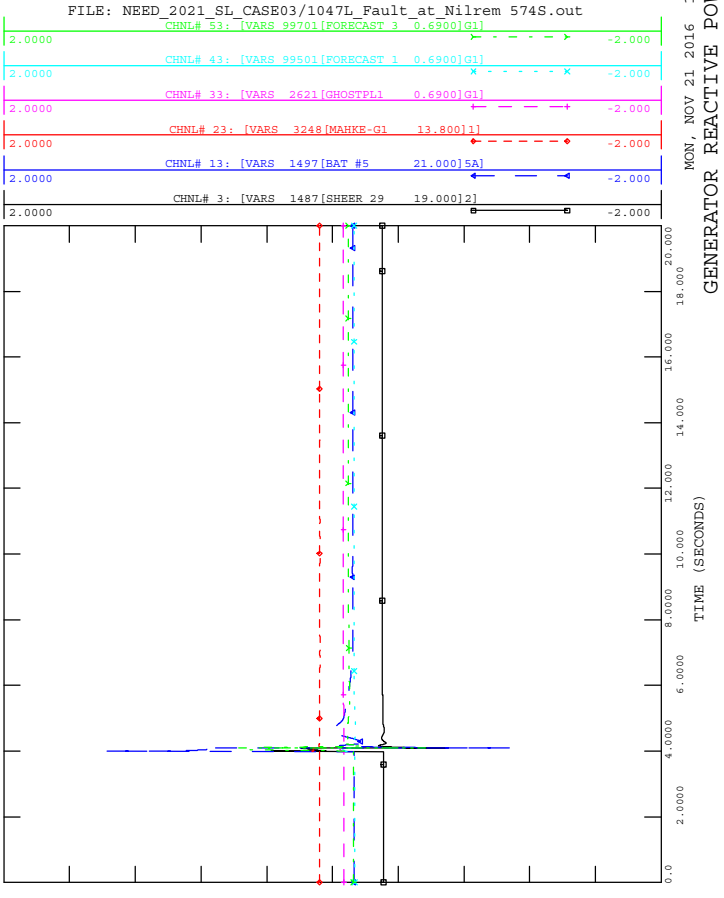


MON, NOV 21 2016 12:51

LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Nilrem 574S.out



MON, NOV 21 2016 12:51

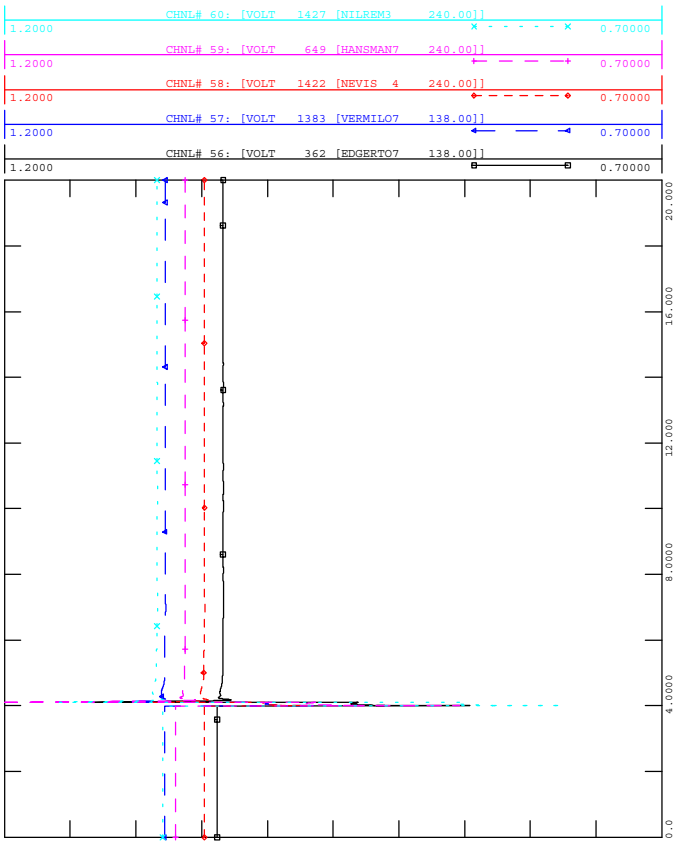
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

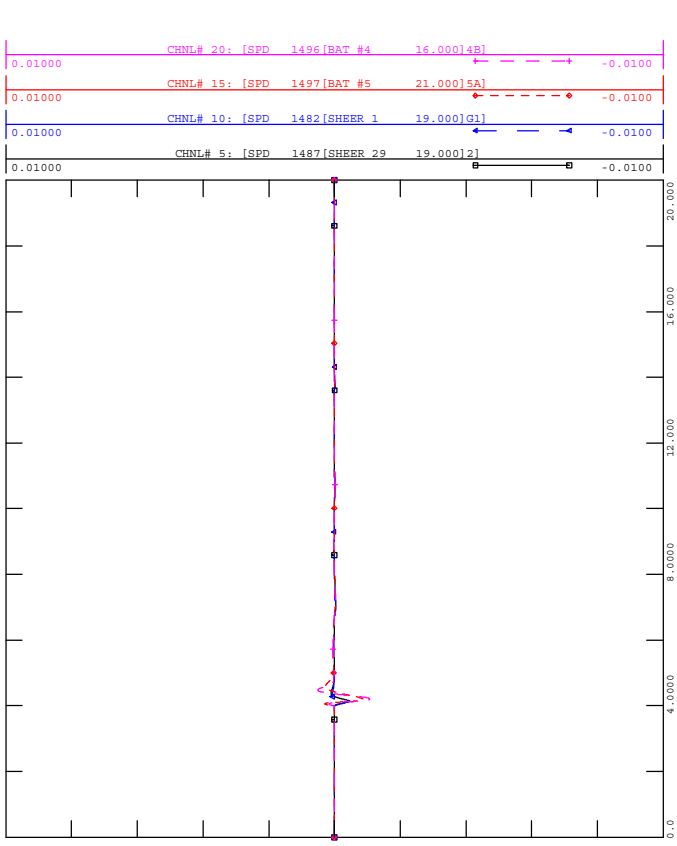


NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

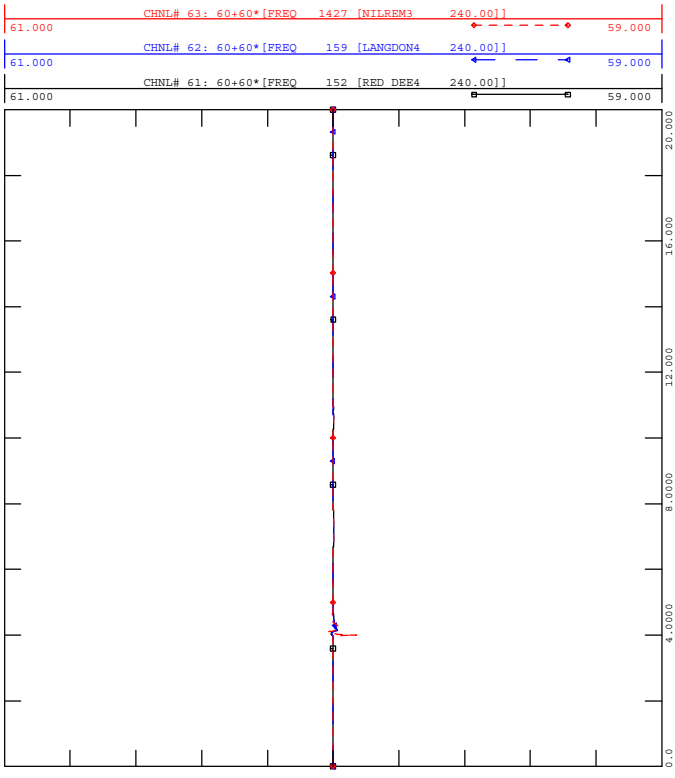


NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:51

FREQUENCY

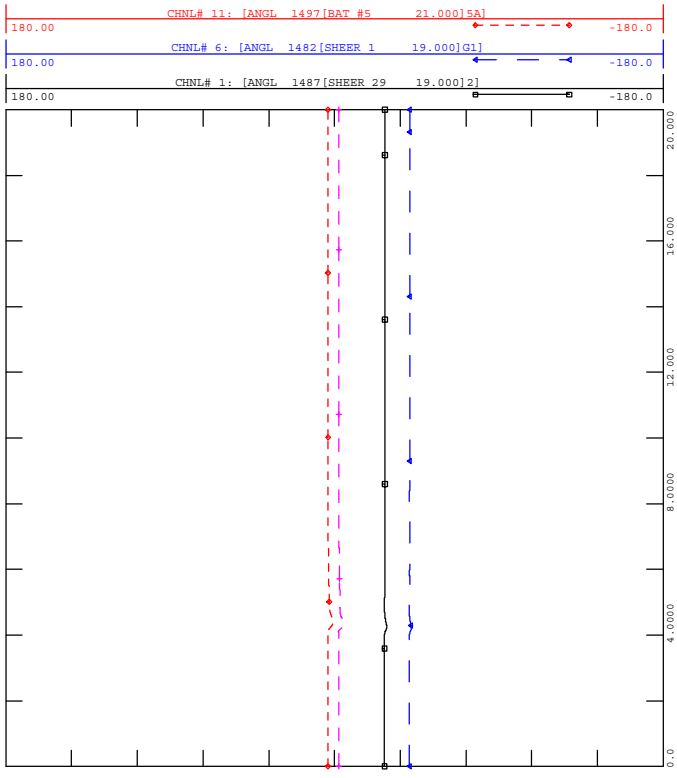


NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out

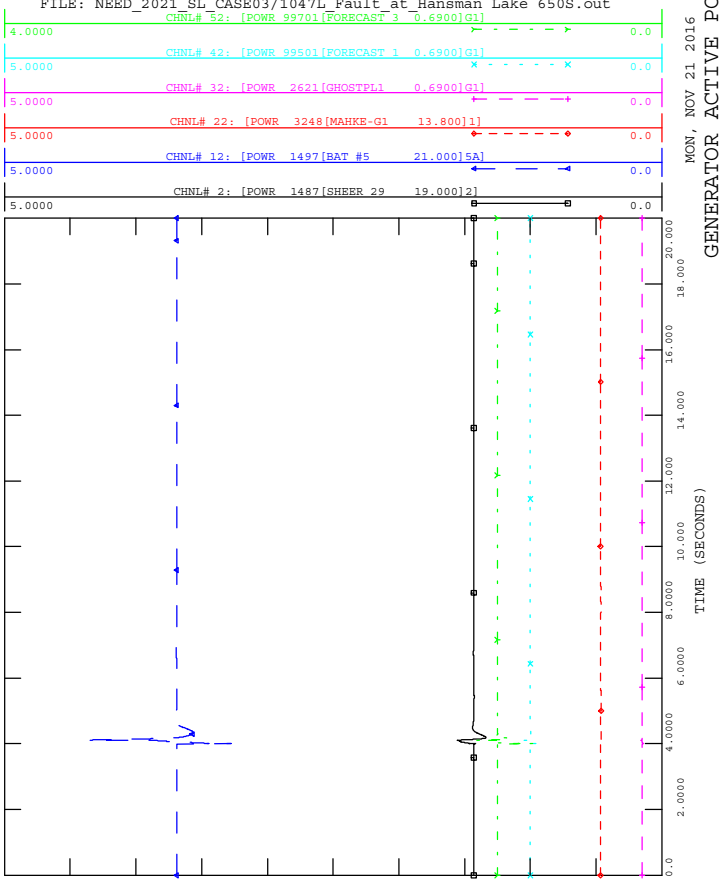
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

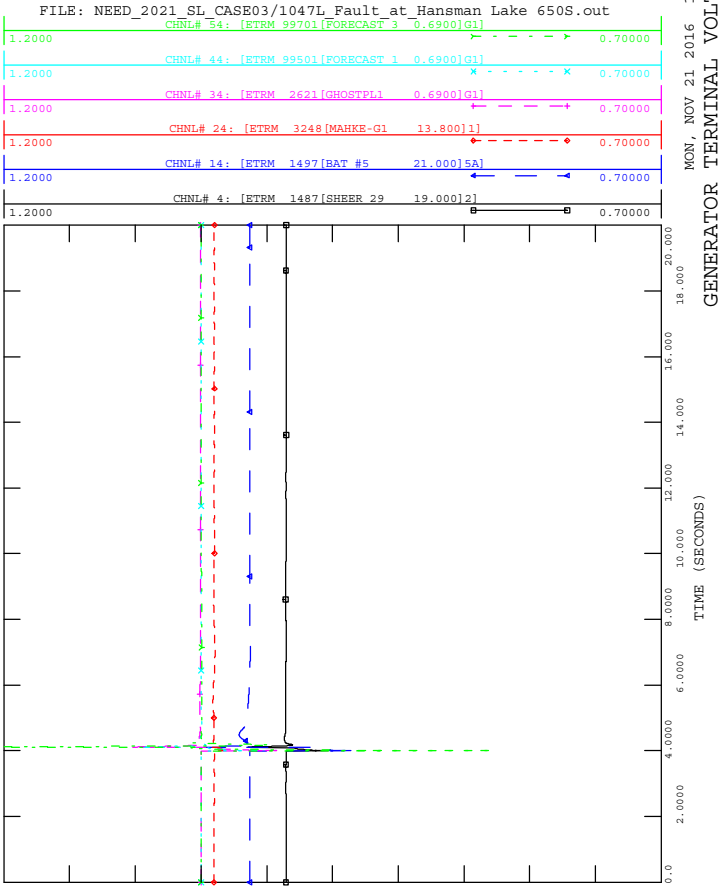
FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

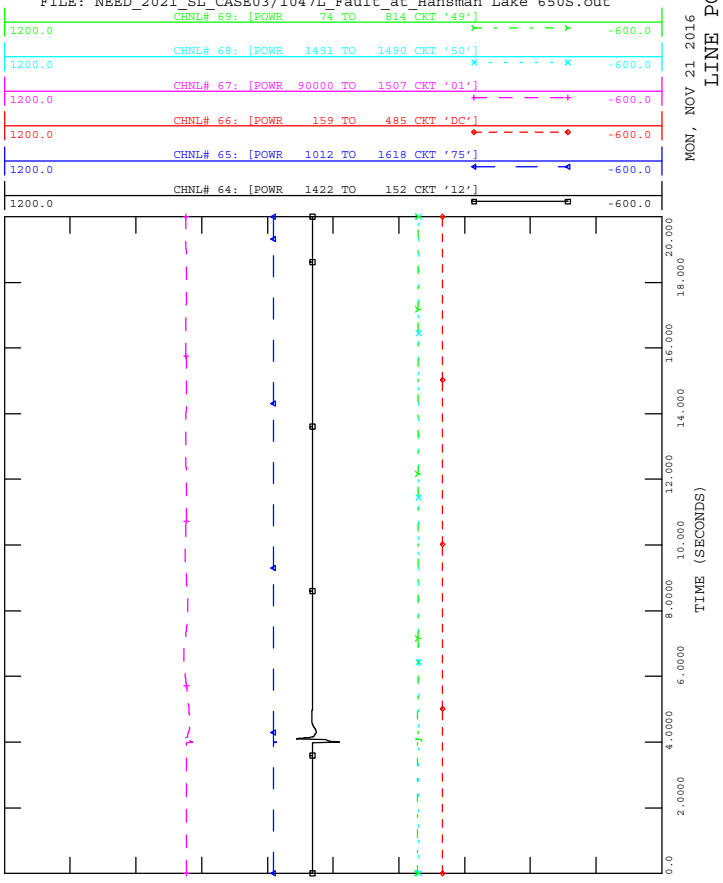
FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

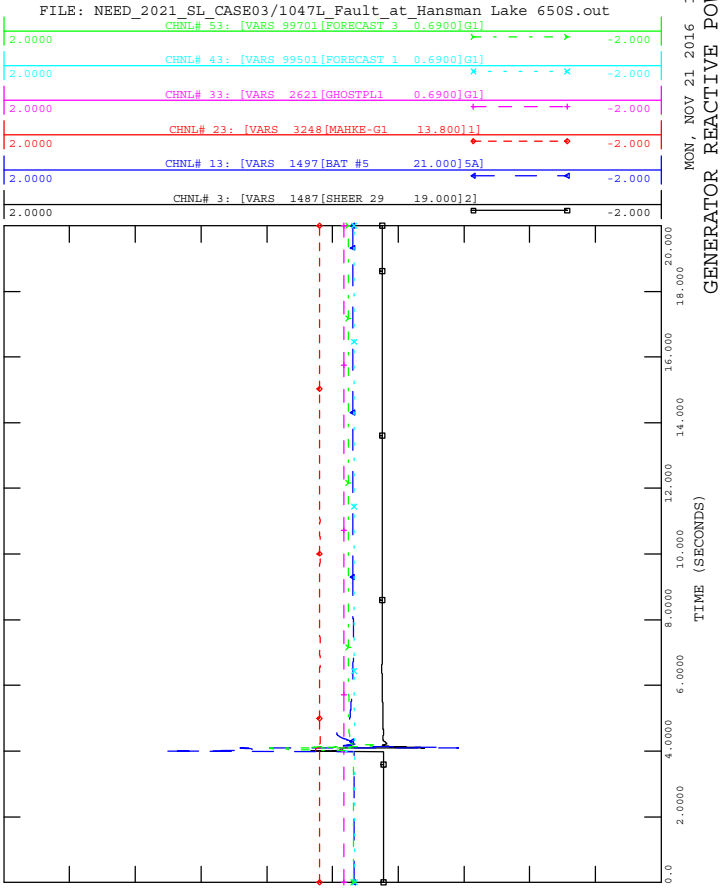
FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out



LINE POWER
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/1047L_Fault_at_Hansman Lake 650S.out



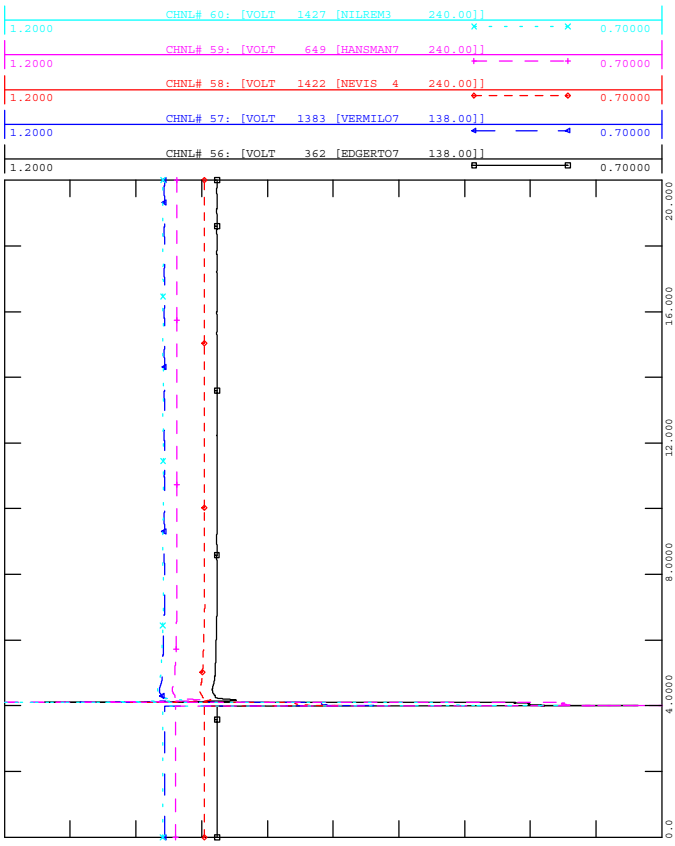
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

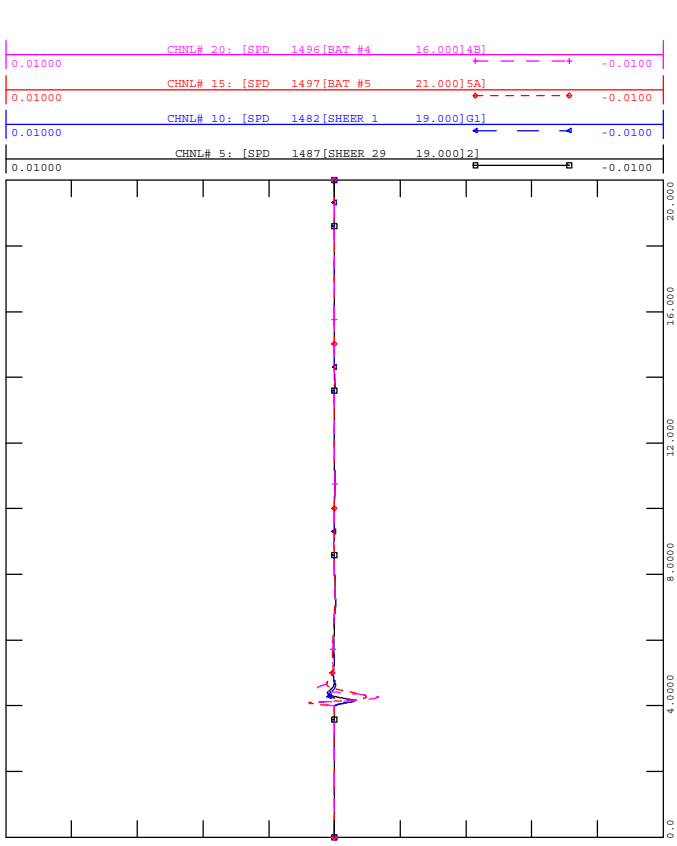


NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

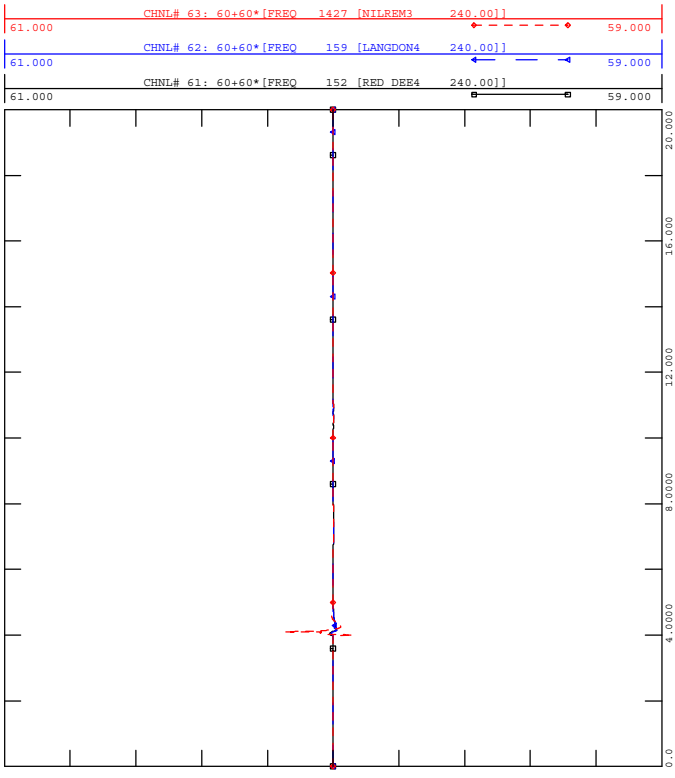


NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:51

FREQUENCY

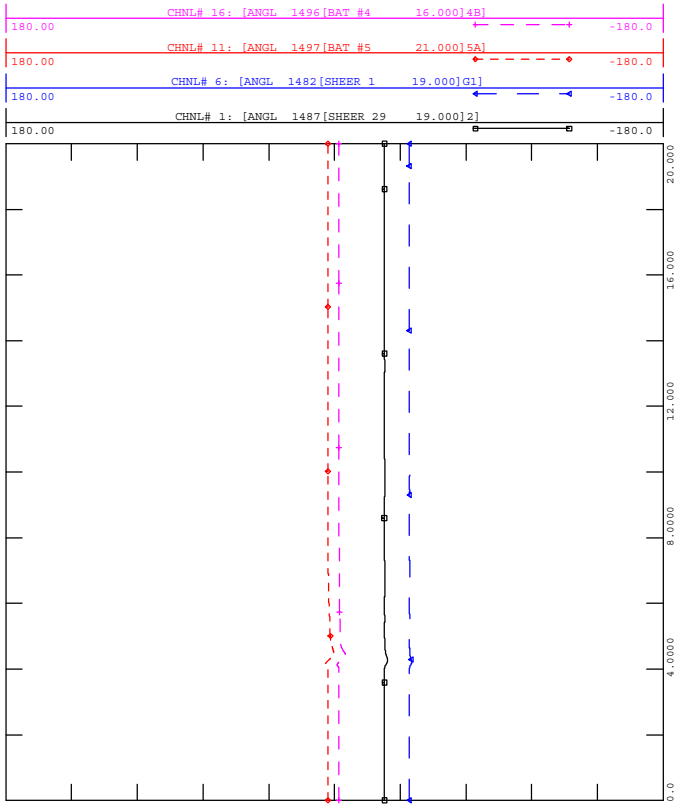


NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out

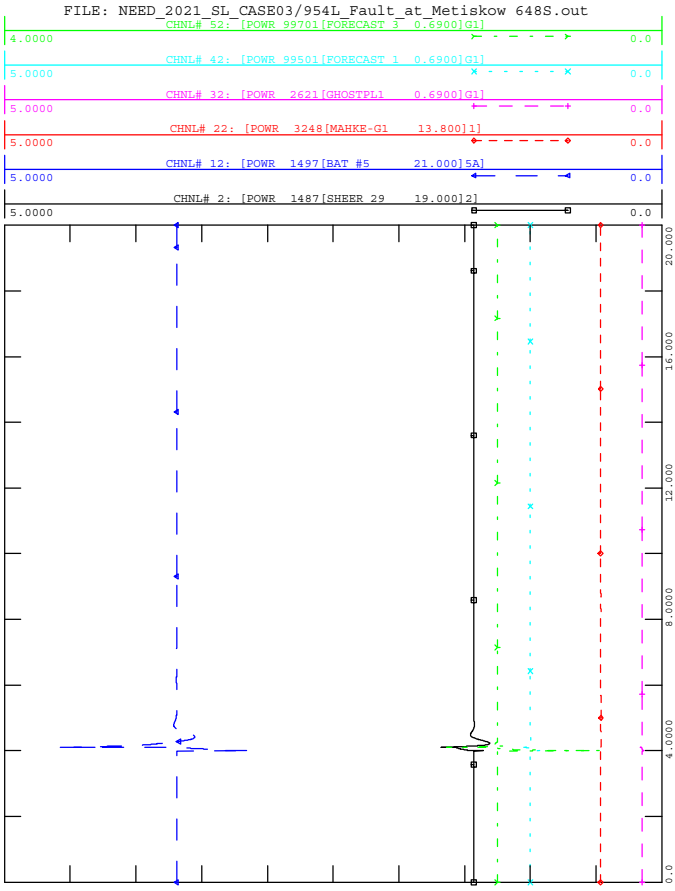
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_METISKOW 648S

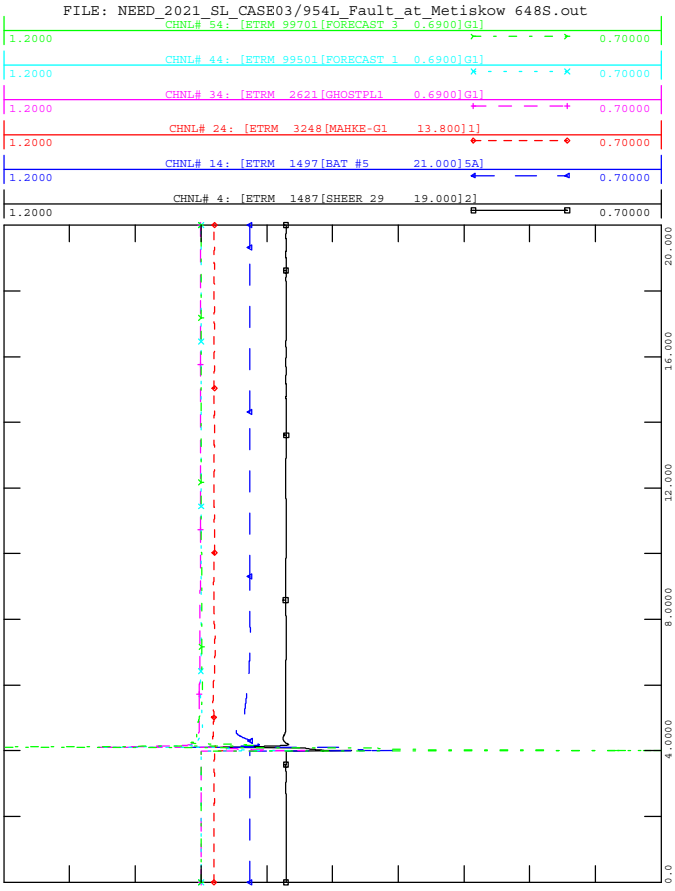
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_METISKOW 648S

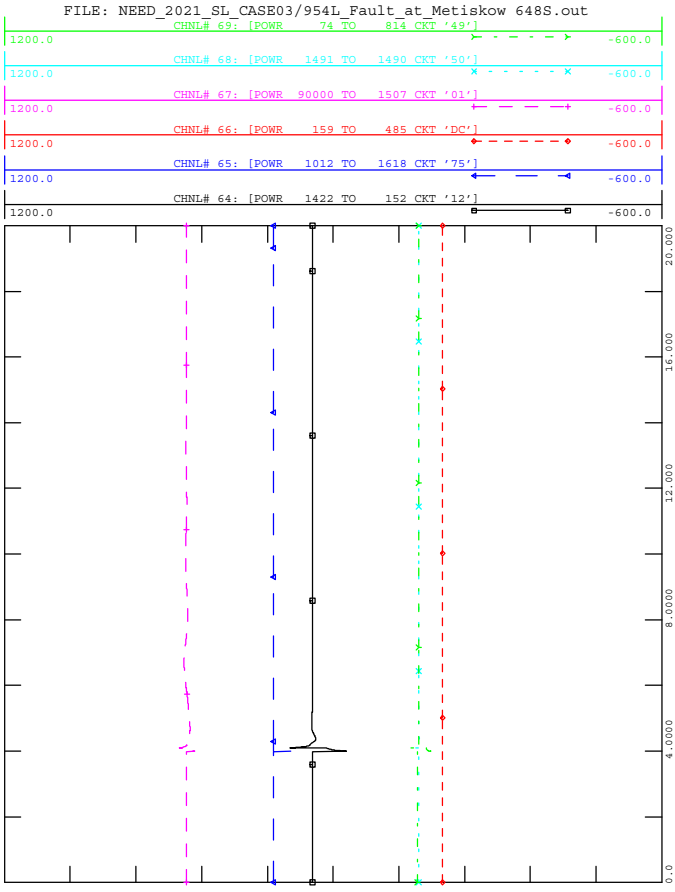
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_METISKOW 648S

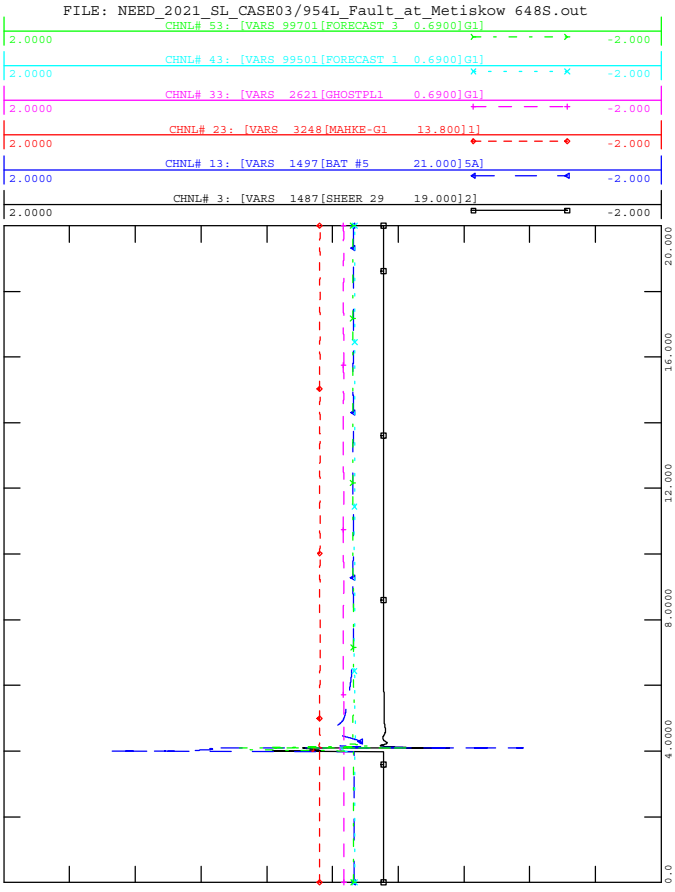
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Metiskow 648S.out



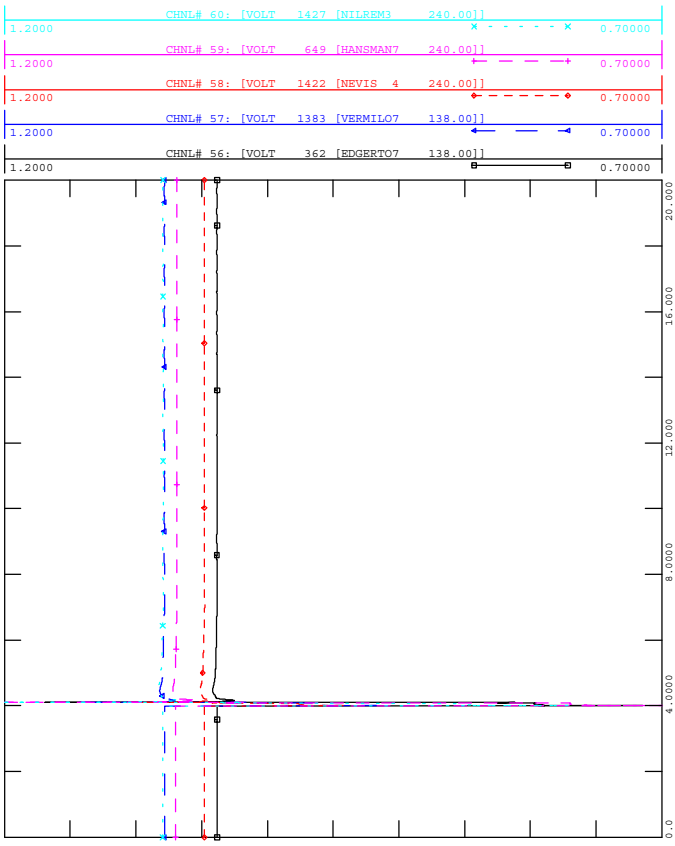
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

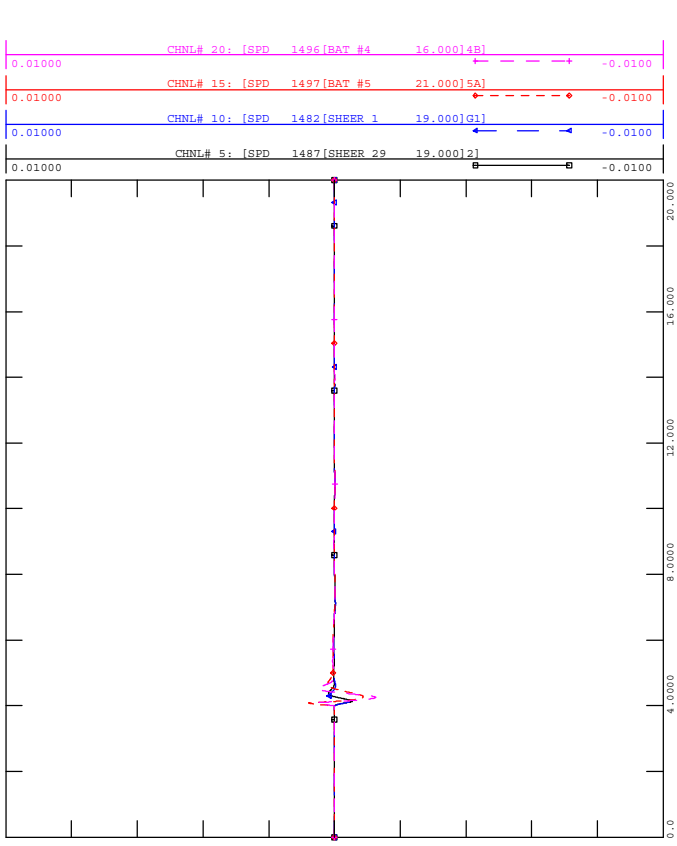


NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

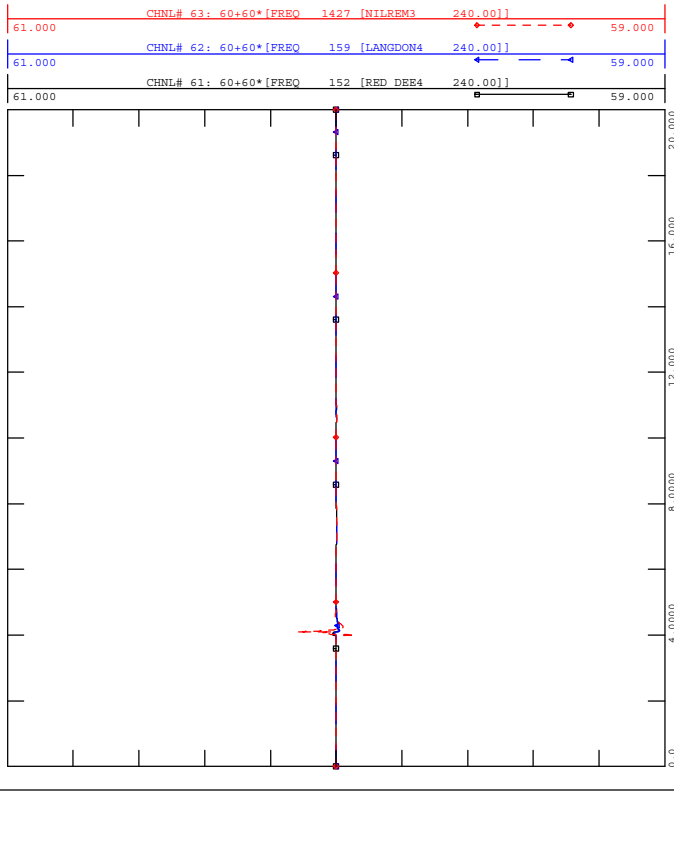


NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:51

FREQUENCY

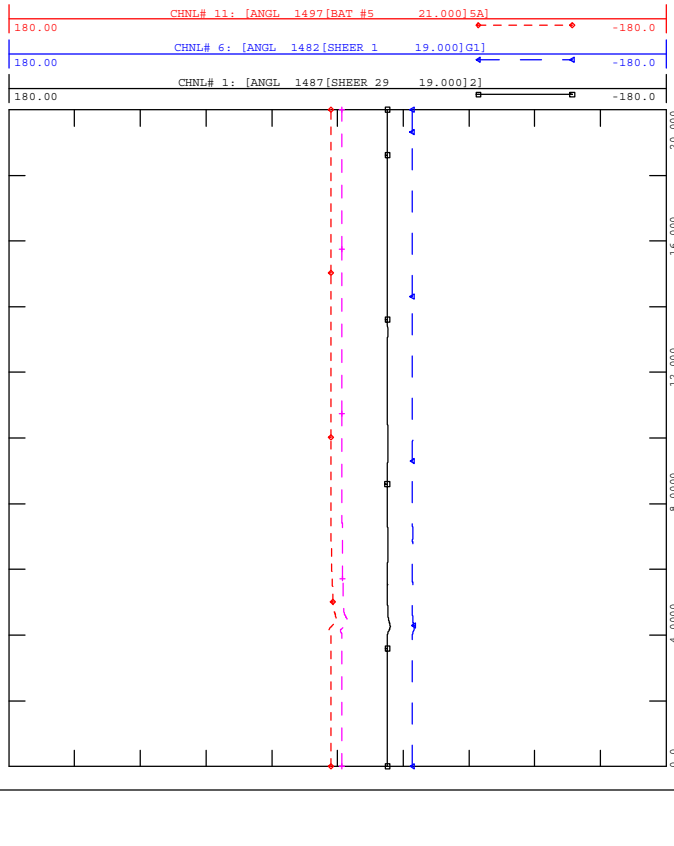


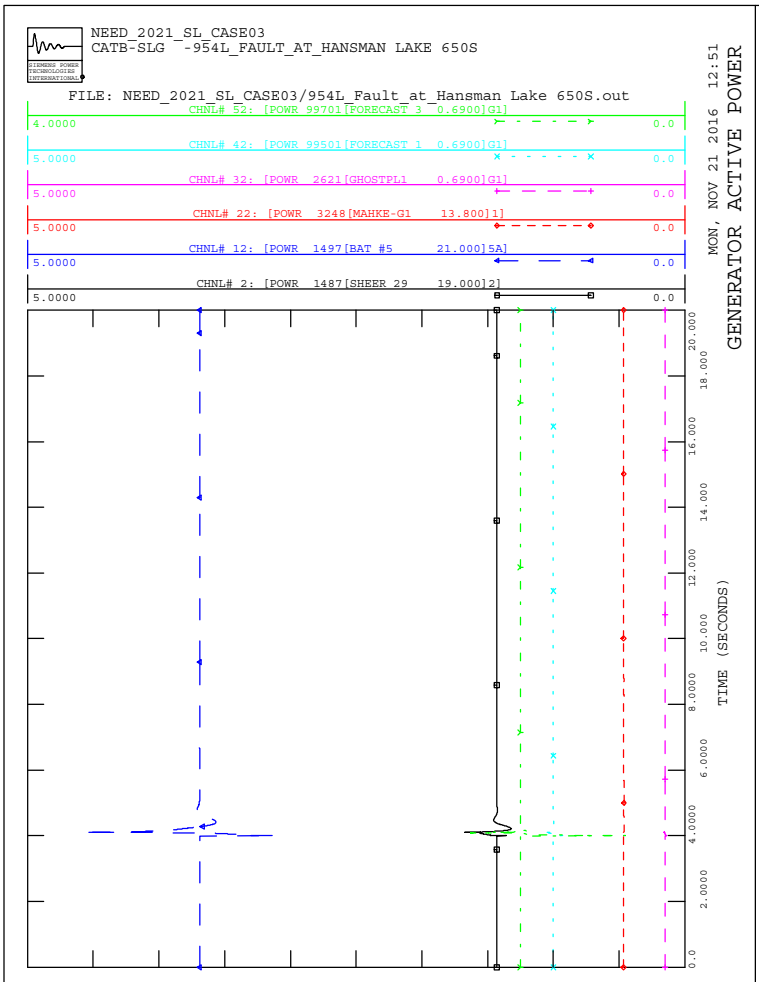
NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S

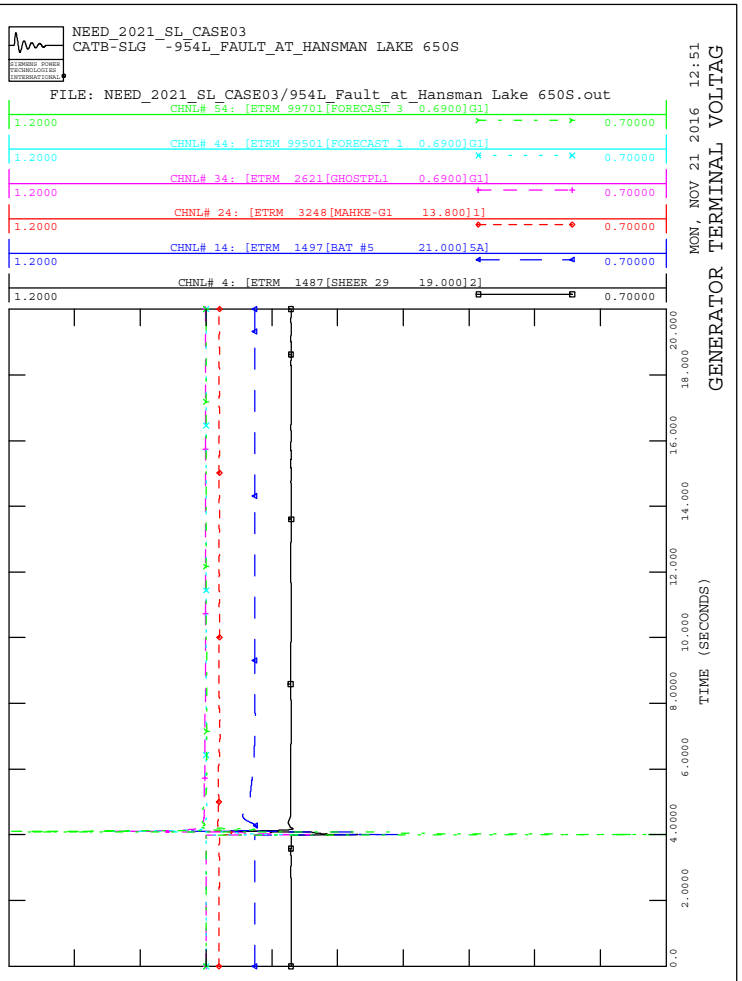
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out

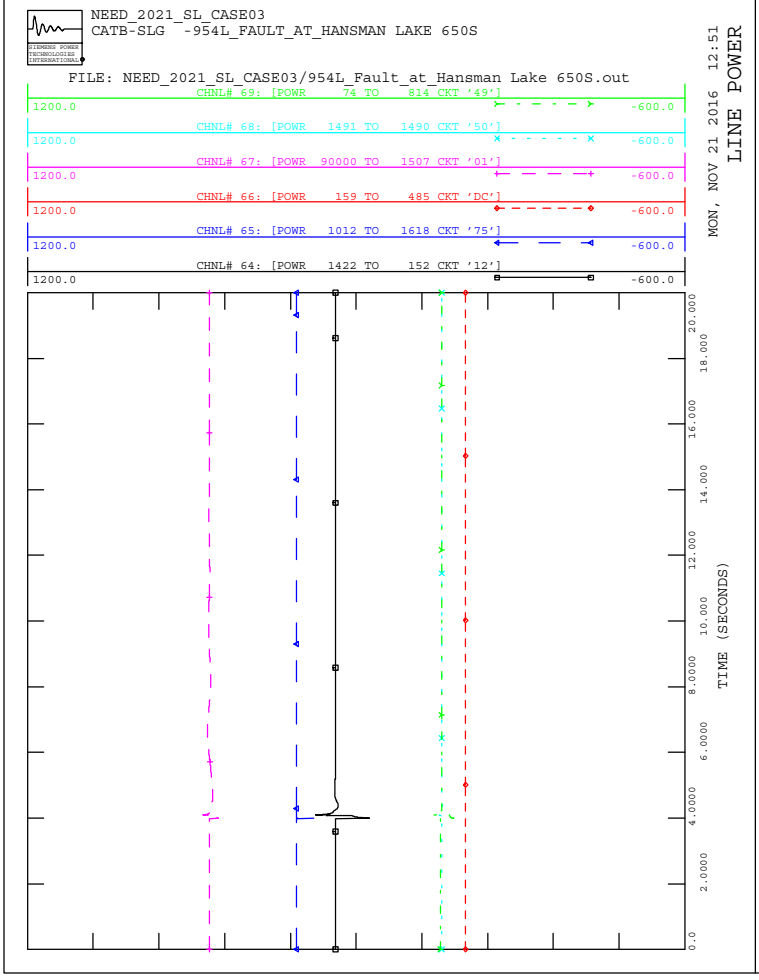
MON, NOV 21 2016 12:51

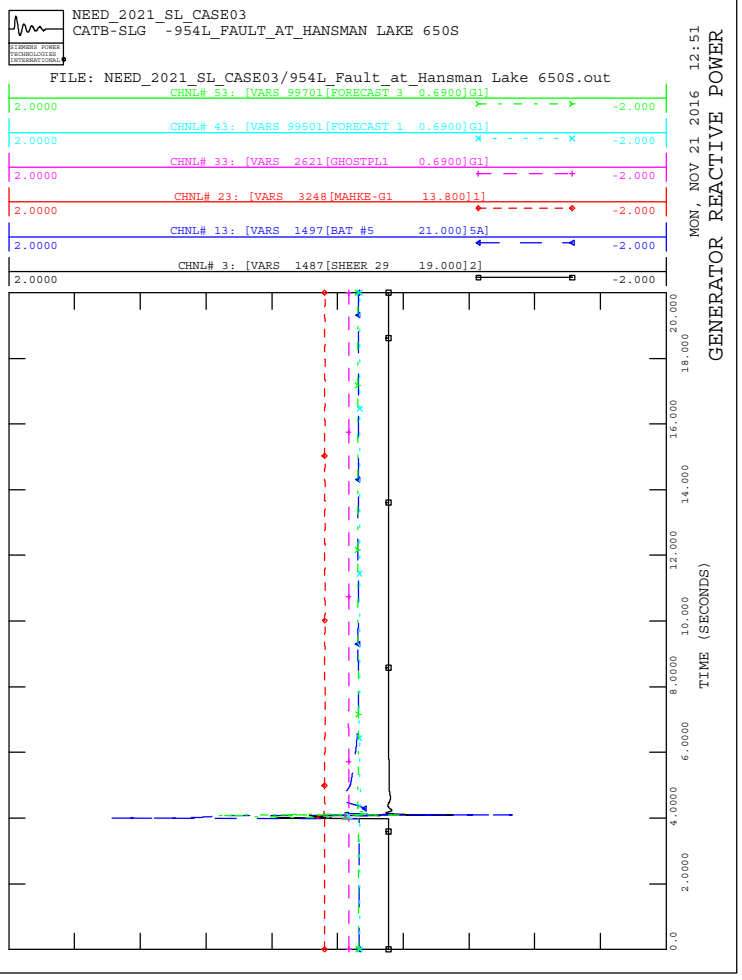
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 21 2016 12:51
LINE POWER

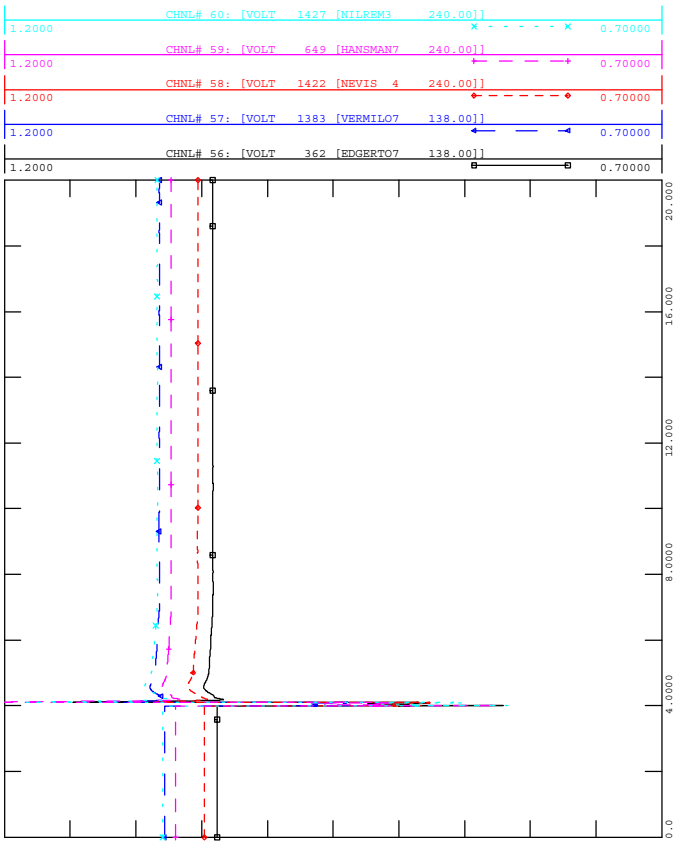

NEED_2021_SL_CASE03
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_SL_CASE03/954L_Fault_at_Hansman Lake 650S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

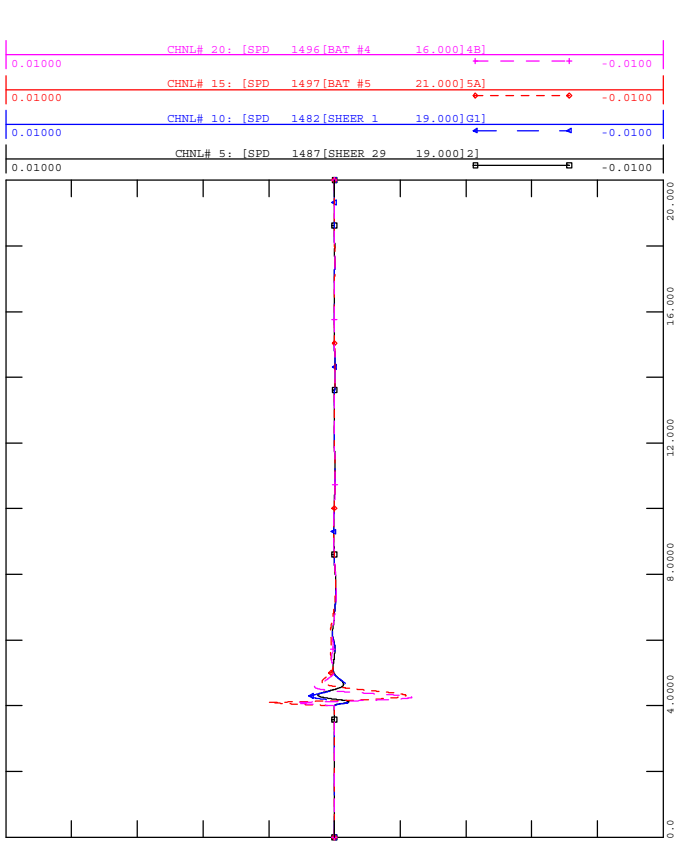


NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

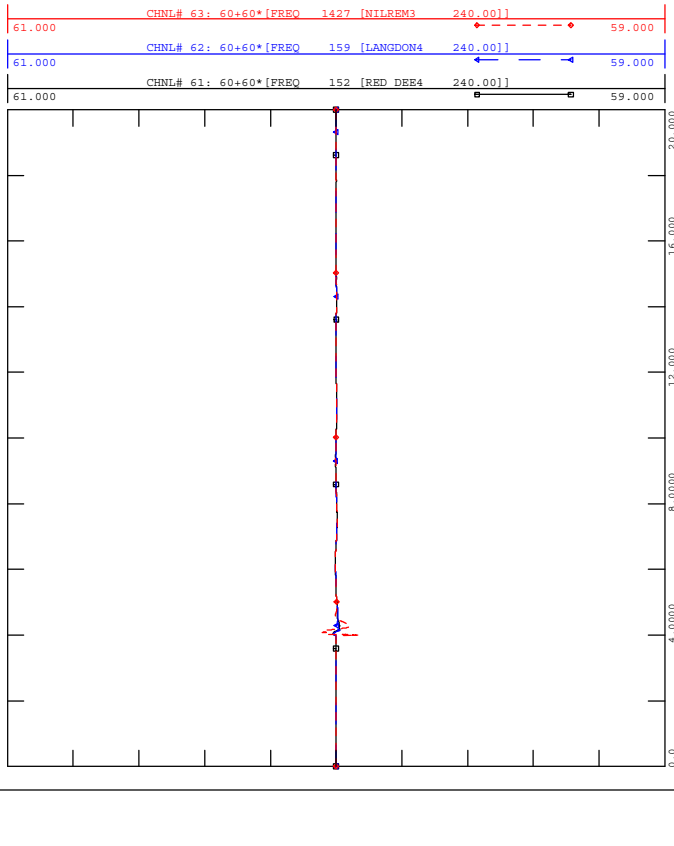


NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 12:51

FREQUENCY

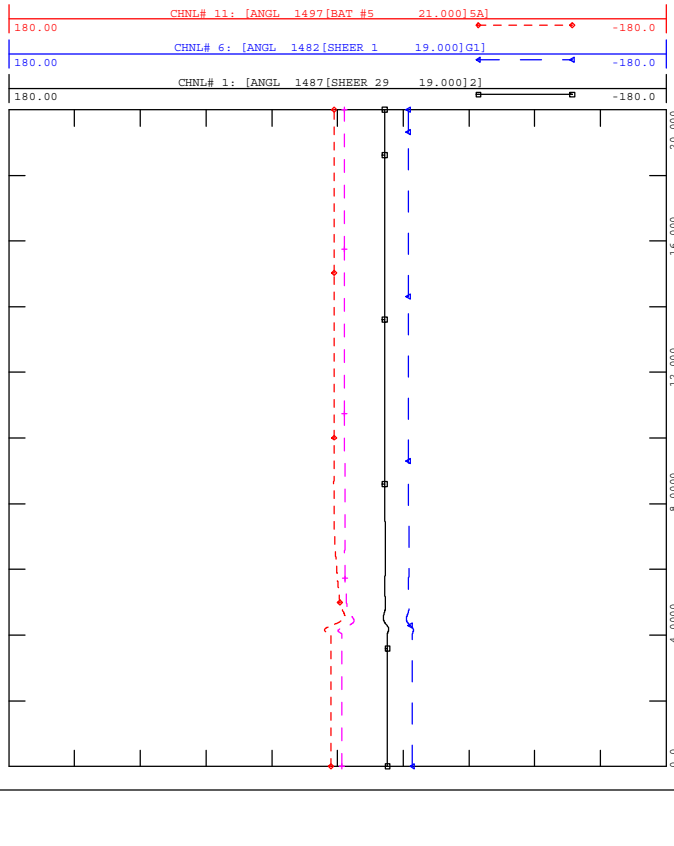


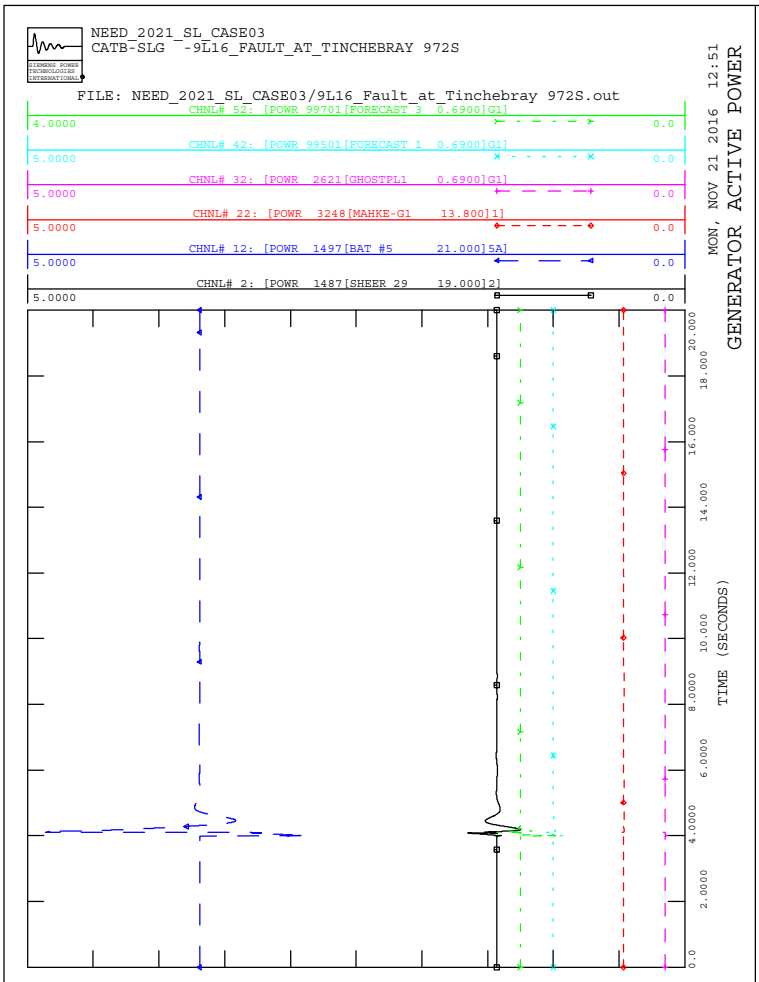
NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

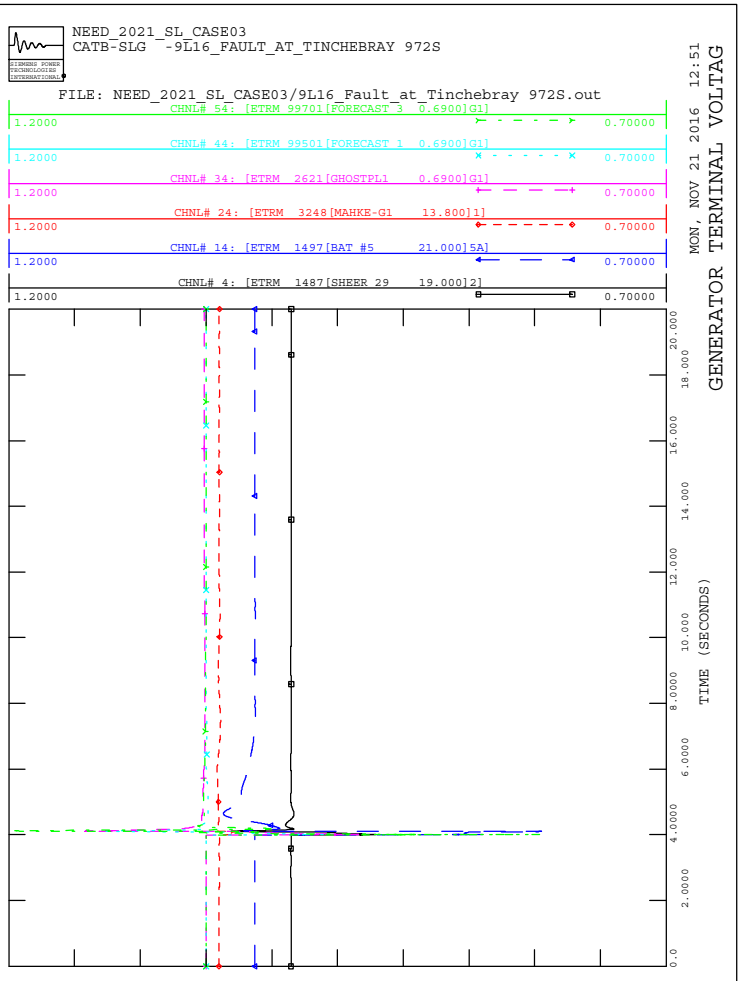
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out

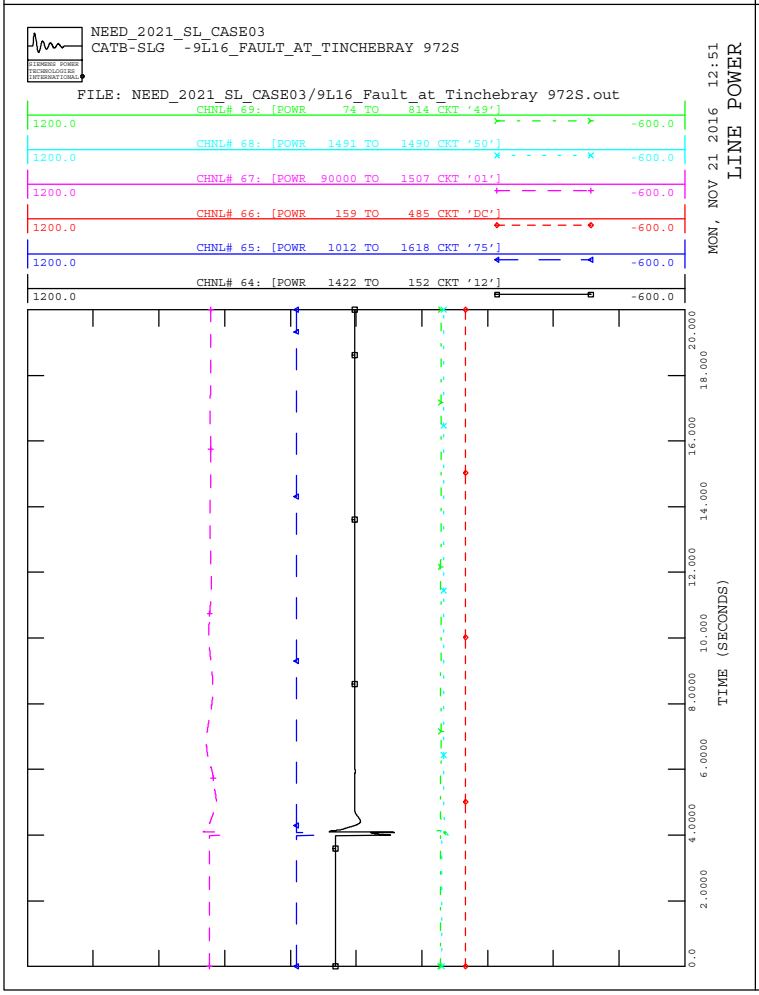
MON, NOV 21 2016 12:51

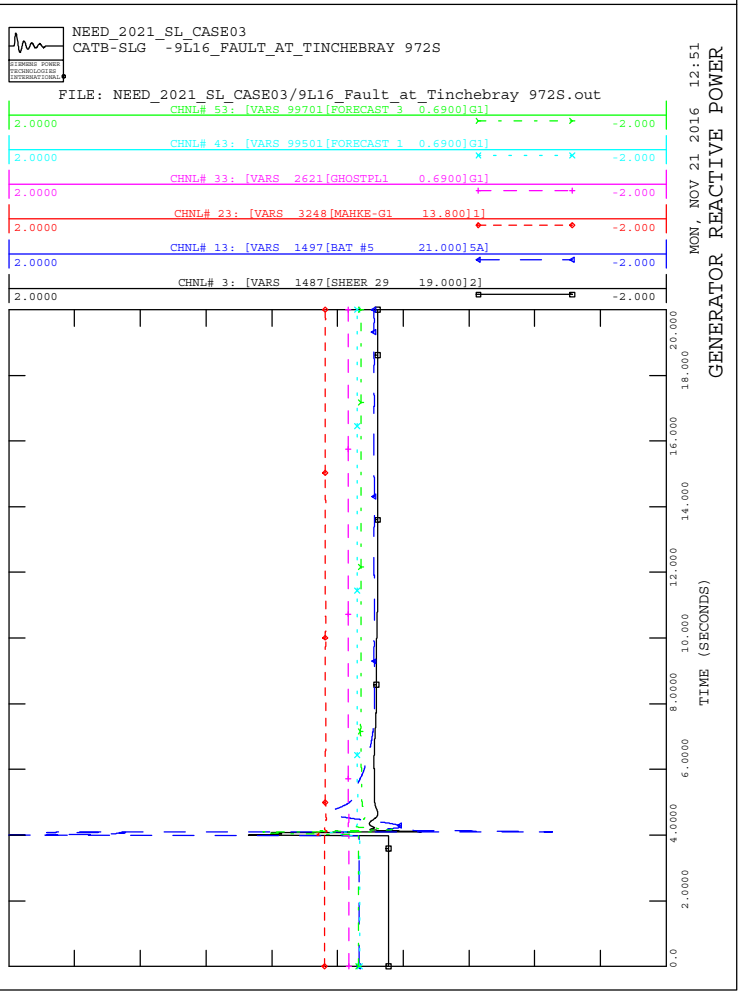
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:51
LINE POWER

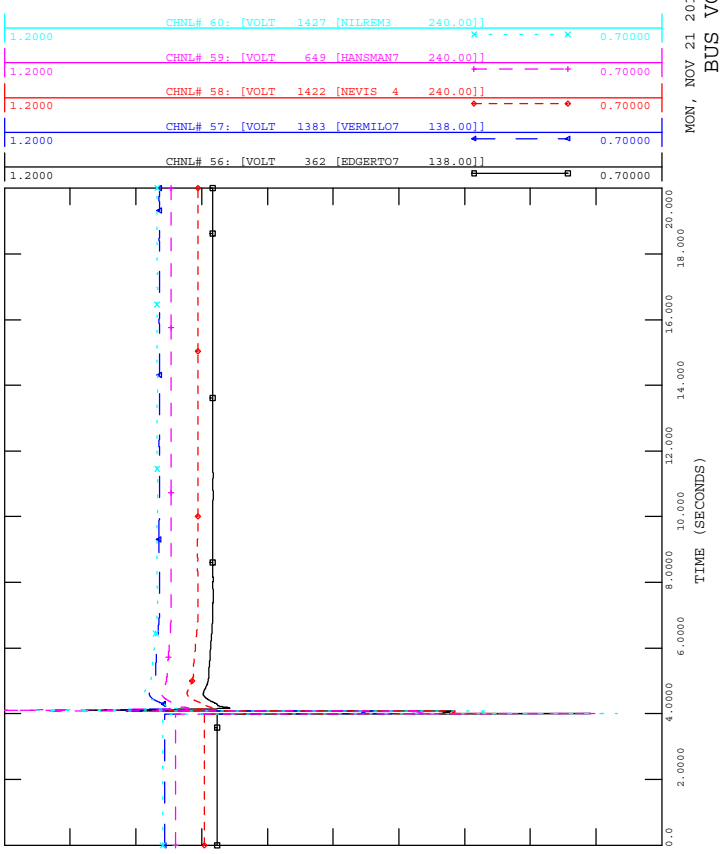

NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Tinchebray 972S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

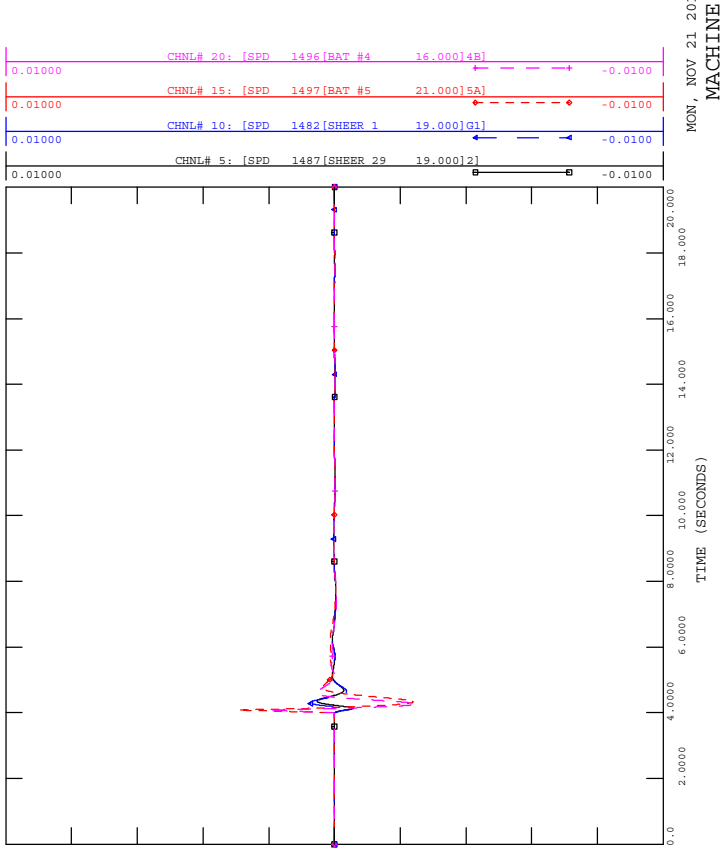


NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

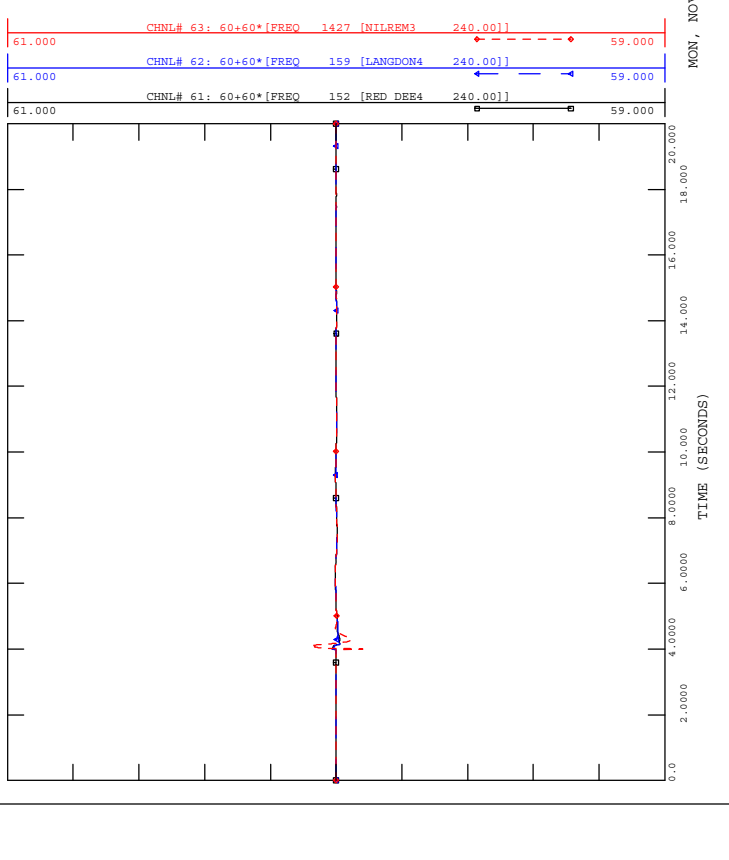


NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:51

FREQUENCY

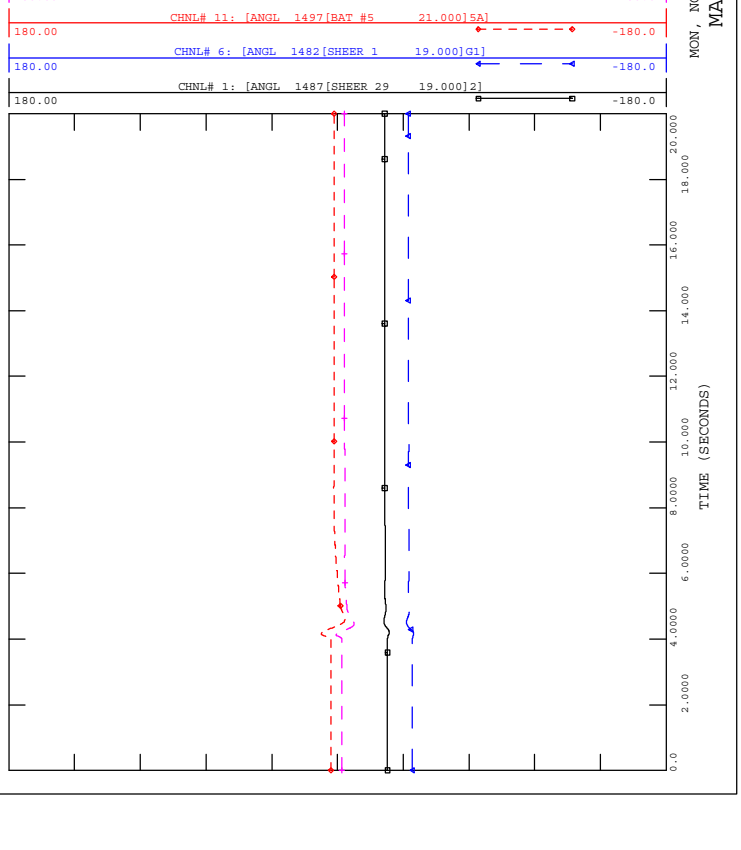


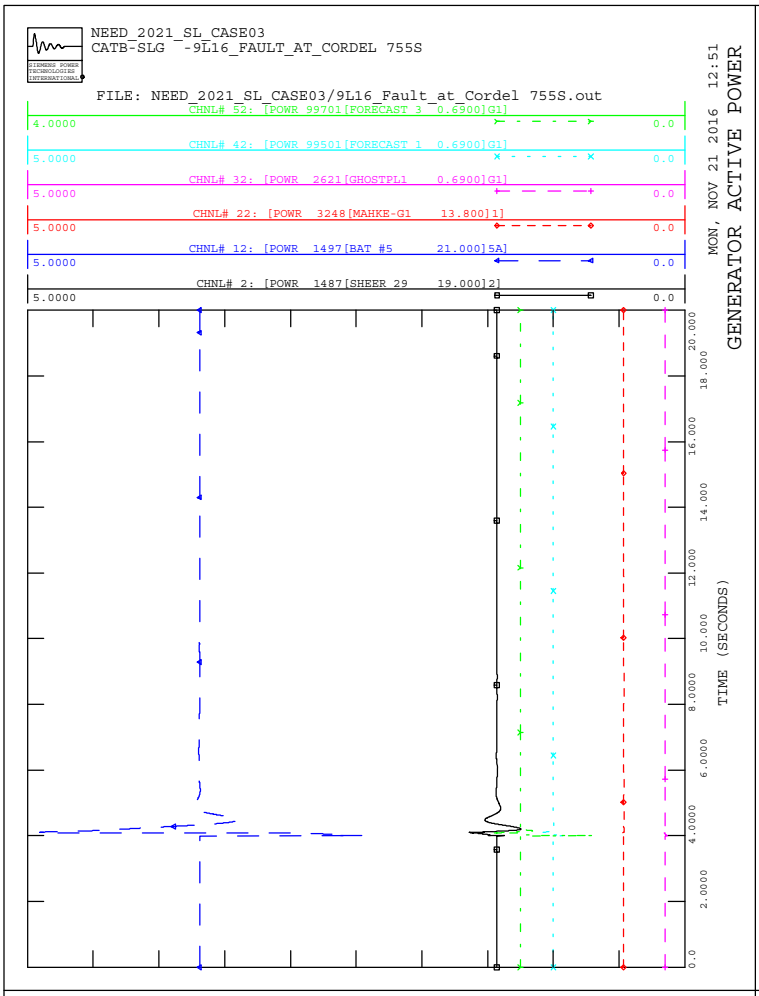
NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

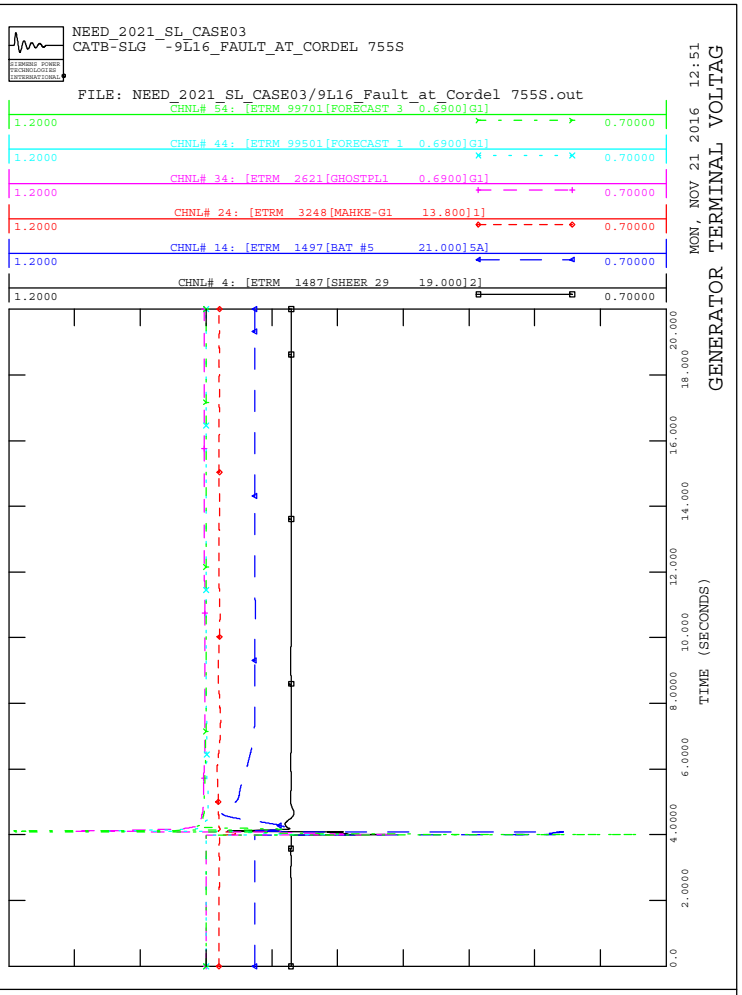
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out

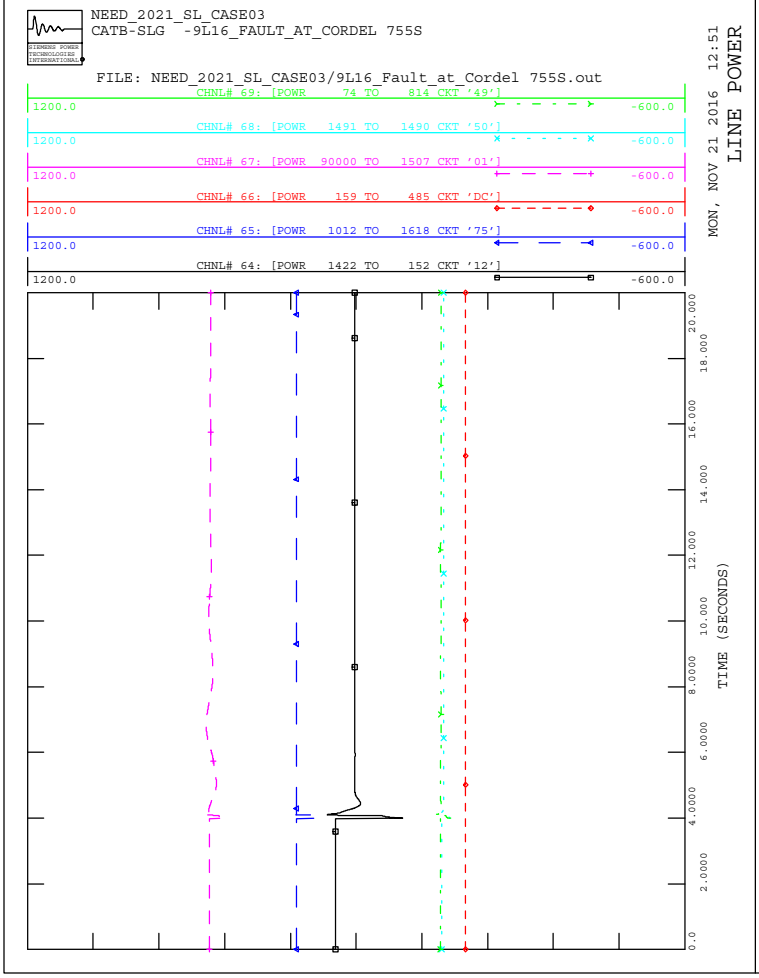
MON, NOV 21 2016 12:51

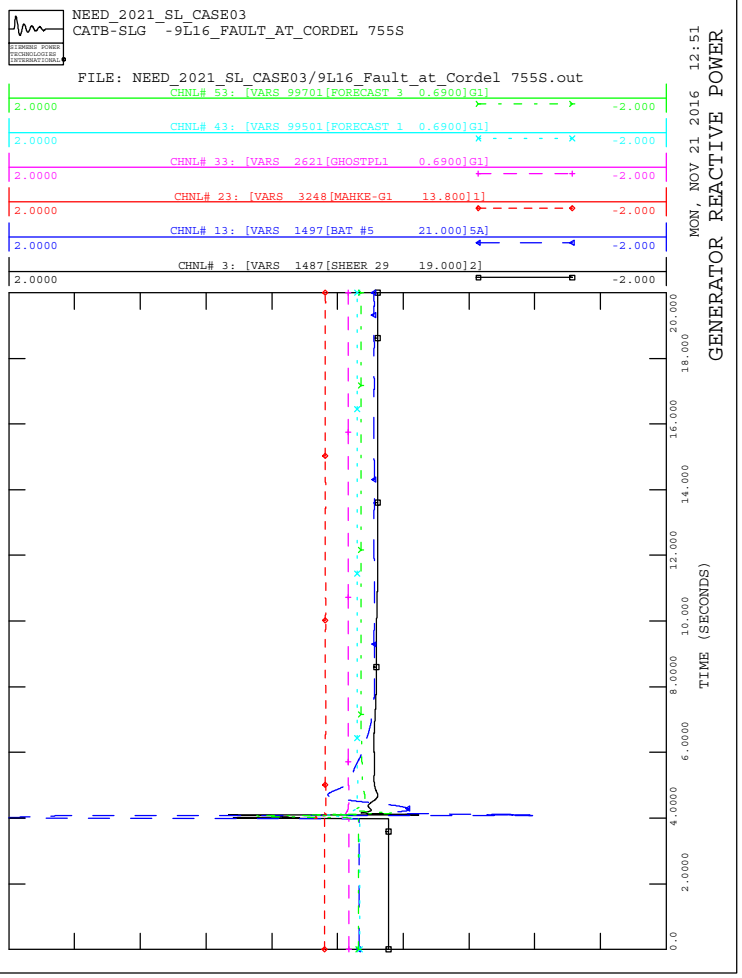
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
5.0000
5.0000
5.0000
5.0000
0.0
0.0
0.0
0.0
0.0
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

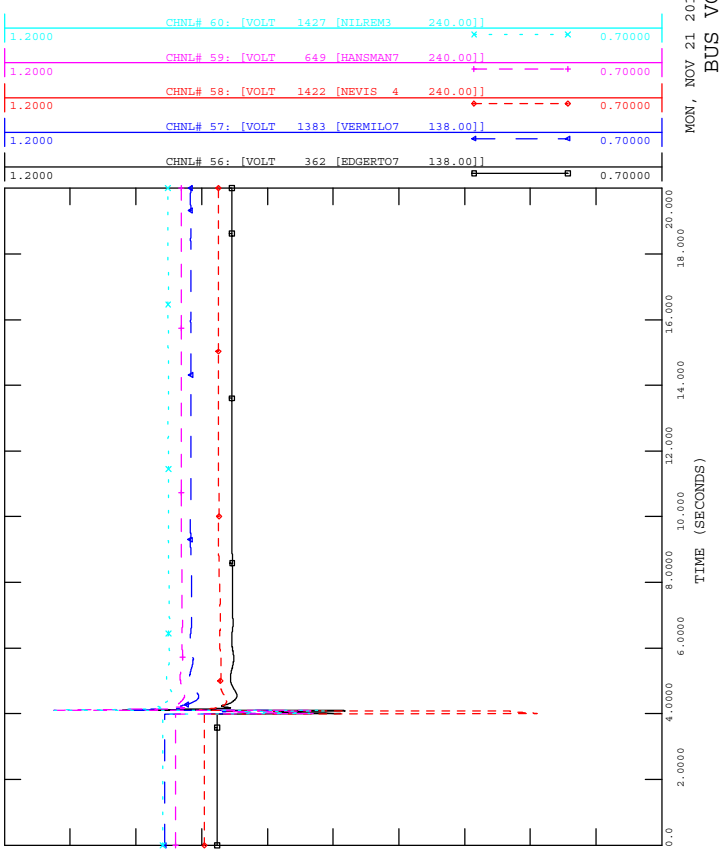

NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
1.2000
1.2000
1.2000
1.2000
1.2000
0.70000
0.70000
0.70000
0.70000
0.70000
0.70000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
1200.0
1200.0
1200.0
1200.0
1200.0
-600.0
-600.0
-600.0
-600.0
-600.0
-600.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 12:51
LINE POWER


NEED_2021_SL_CASE03
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: NEED_2021_SL_CASE03/9L16_Fault_at_Cordel 755S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
2.0000
2.0000
2.0000
2.0000
2.0000
-2.000
-2.000
-2.000
-2.000
-2.000
-2.000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

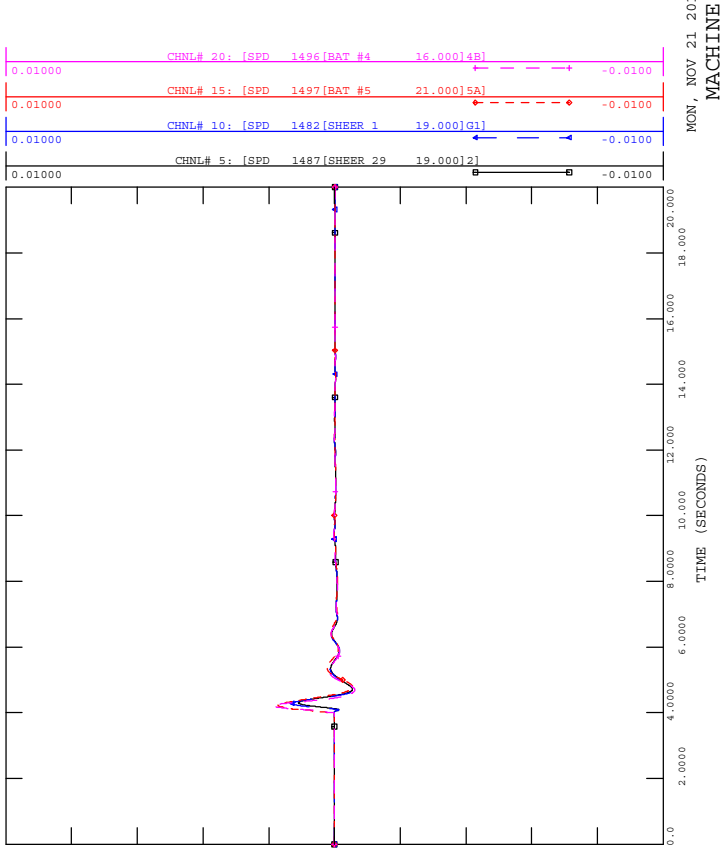
FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out



MON, NOV 21 2016 12:51
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

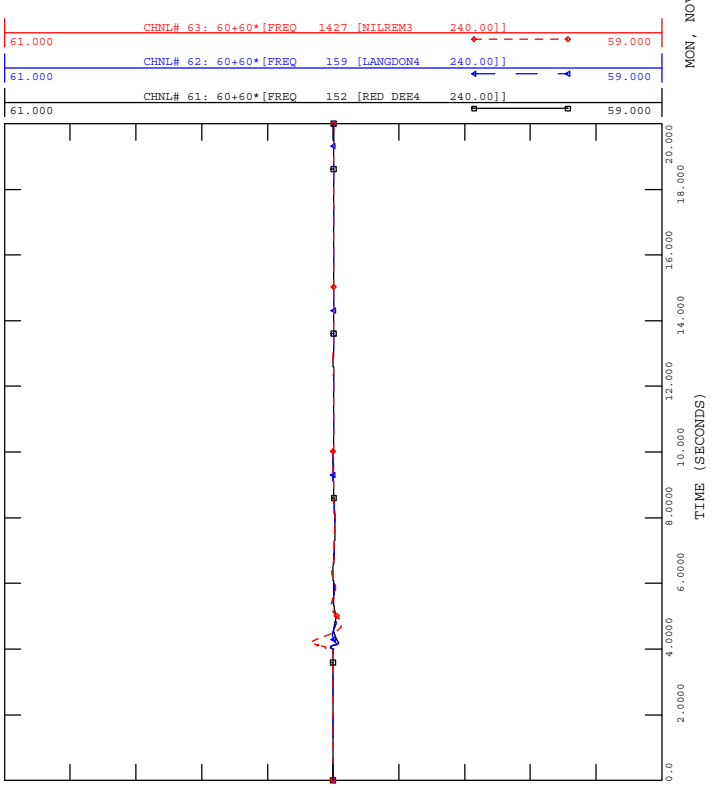
FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out



MON, NOV 21 2016 12:51
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

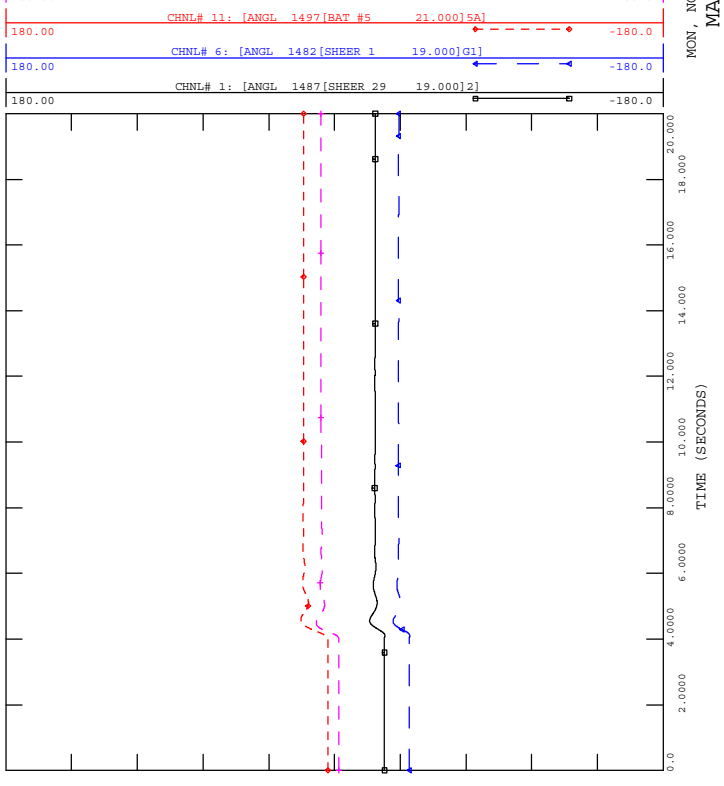
FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out



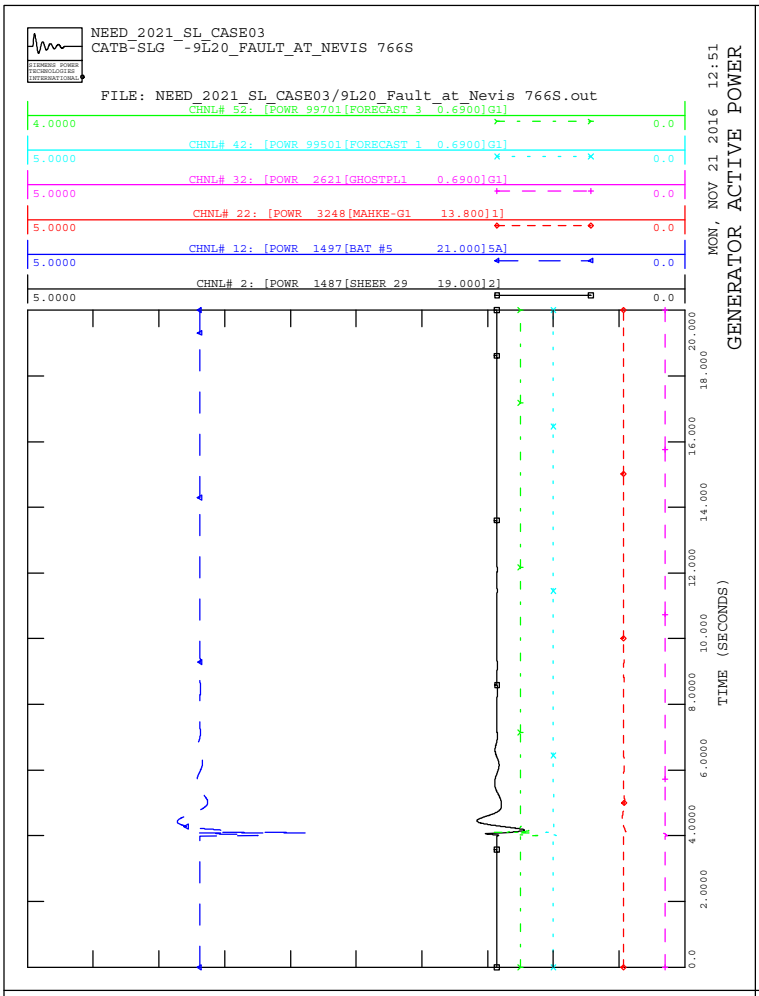
MON, NOV 21 2016 12:51
FREQUENCY

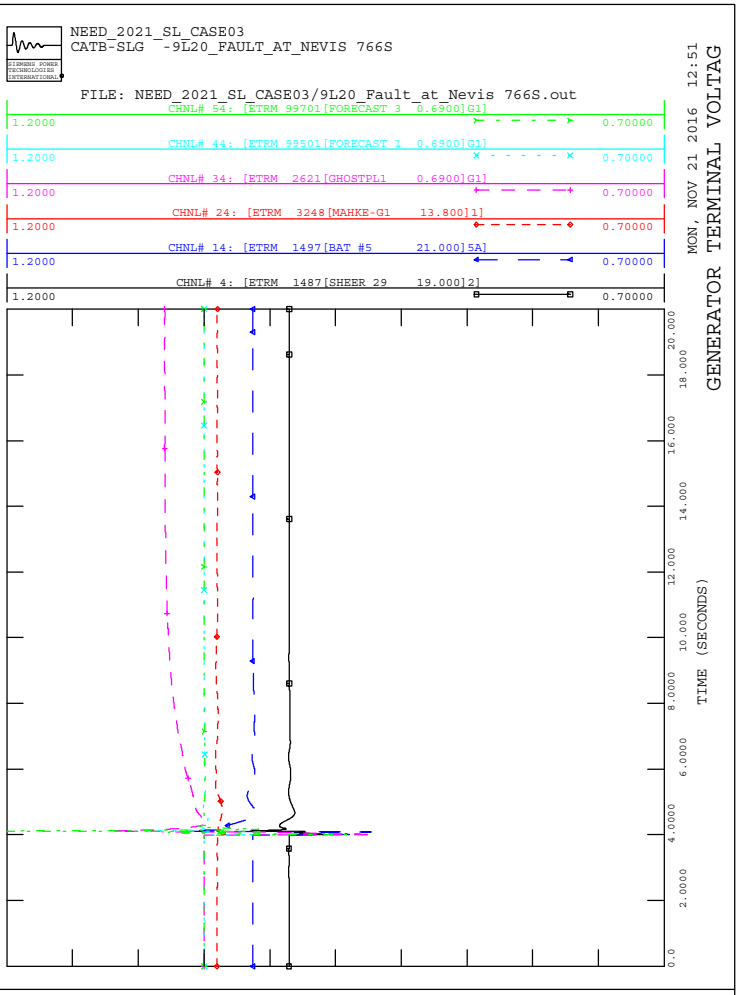
NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

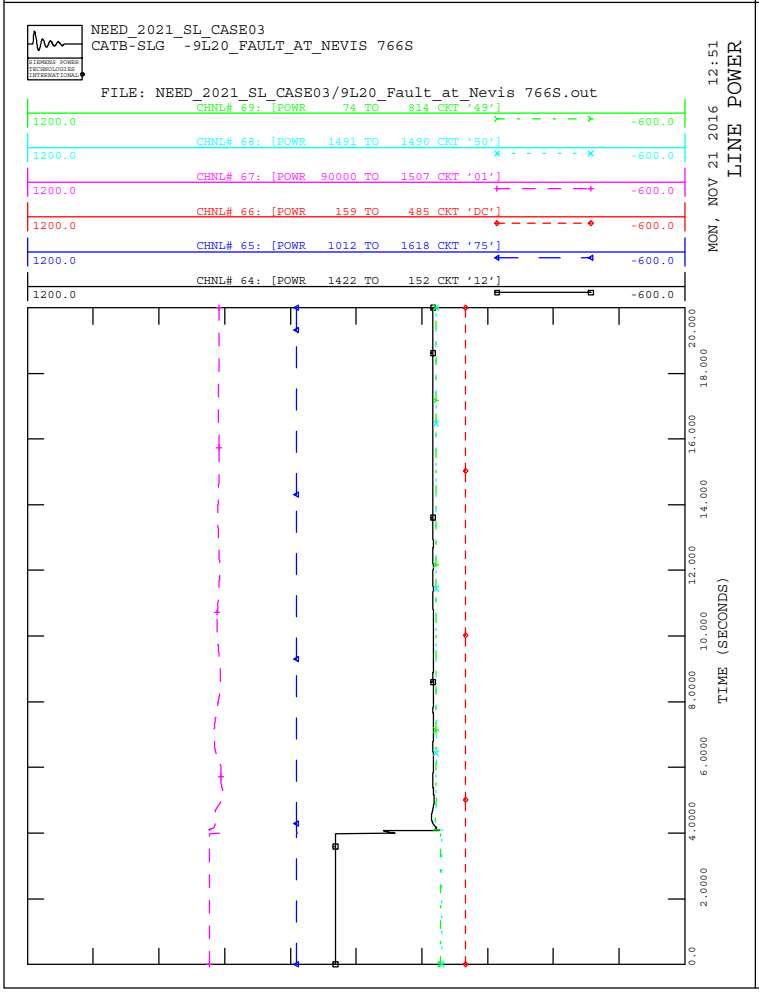
FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out

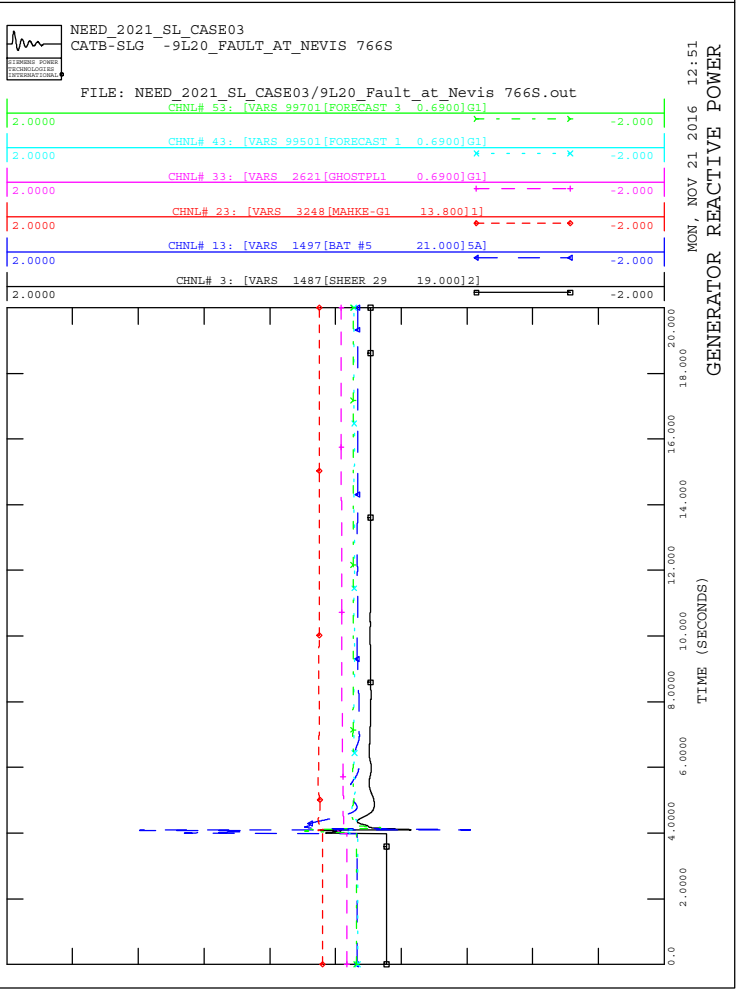


MON, NOV 21 2016 12:51
MACHINE ANGEL


NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_NEVIS 766S
FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_NEVIS 766S
FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_NEVIS 766S
FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:51
LINE POWER
TIME (SECONDS)

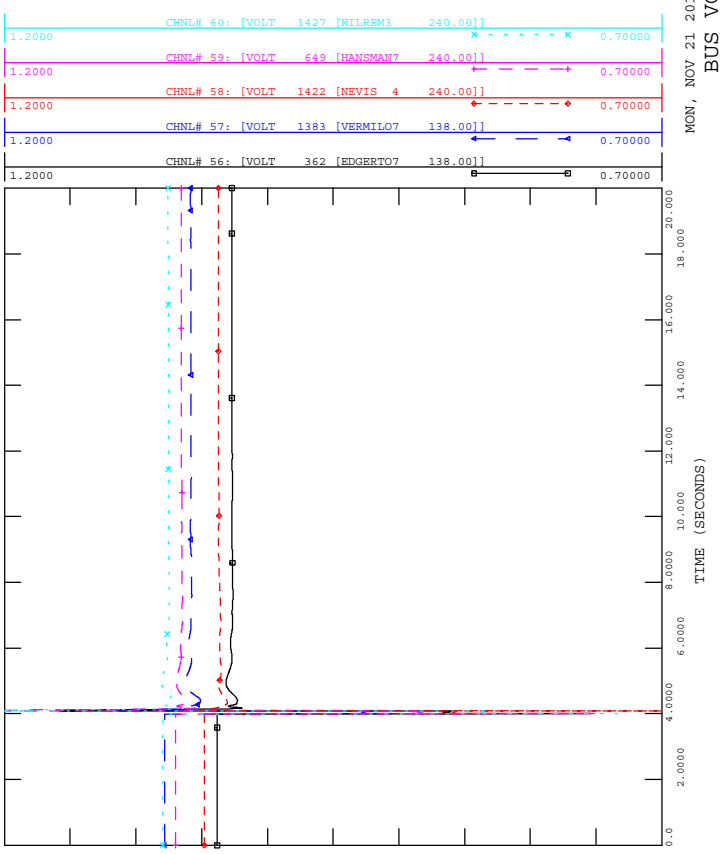

NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_NEVIS 766S
FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

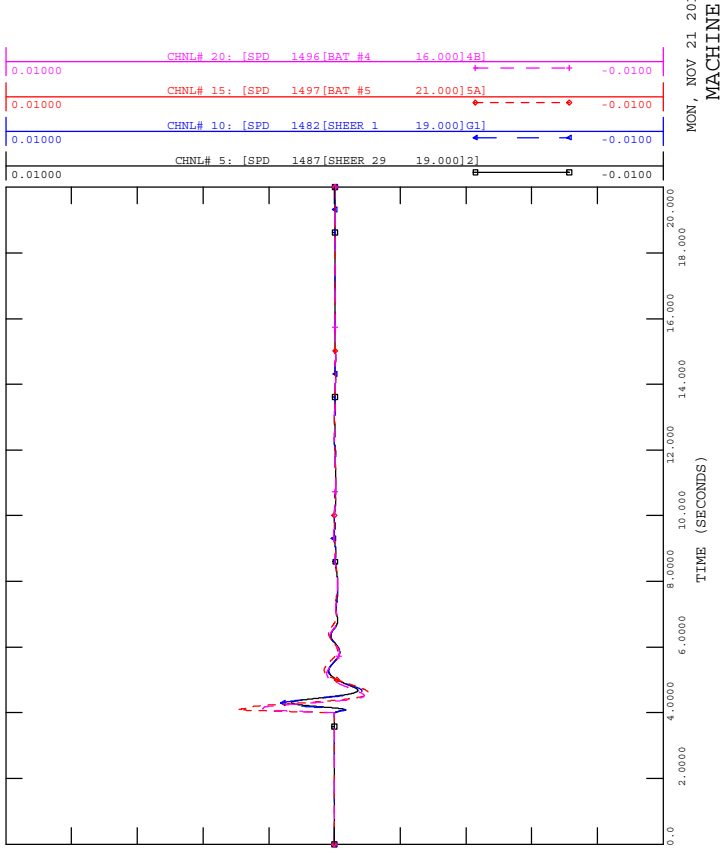


NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

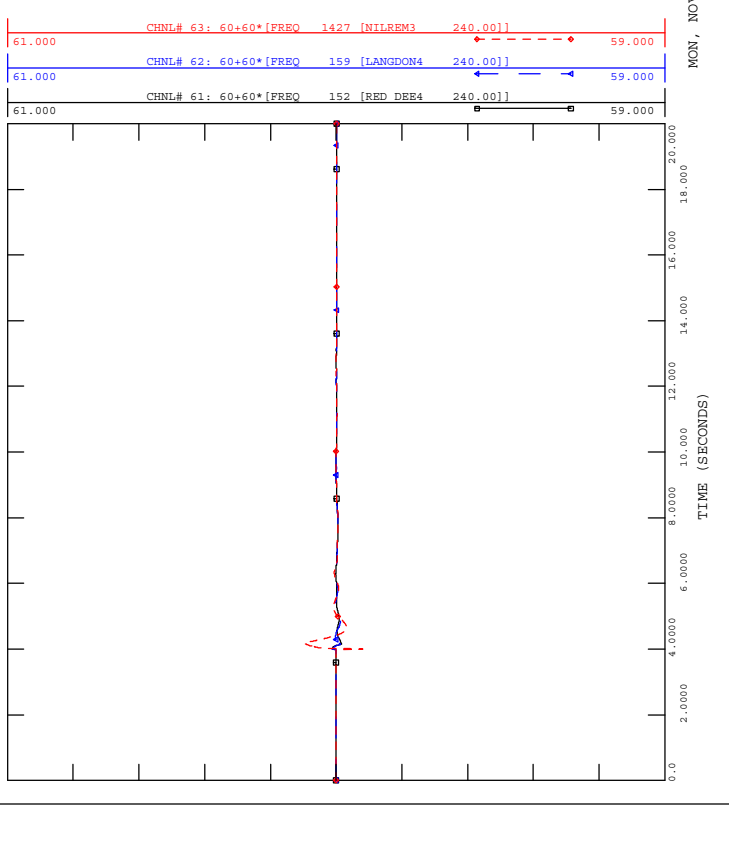


NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:51

FREQUENCY

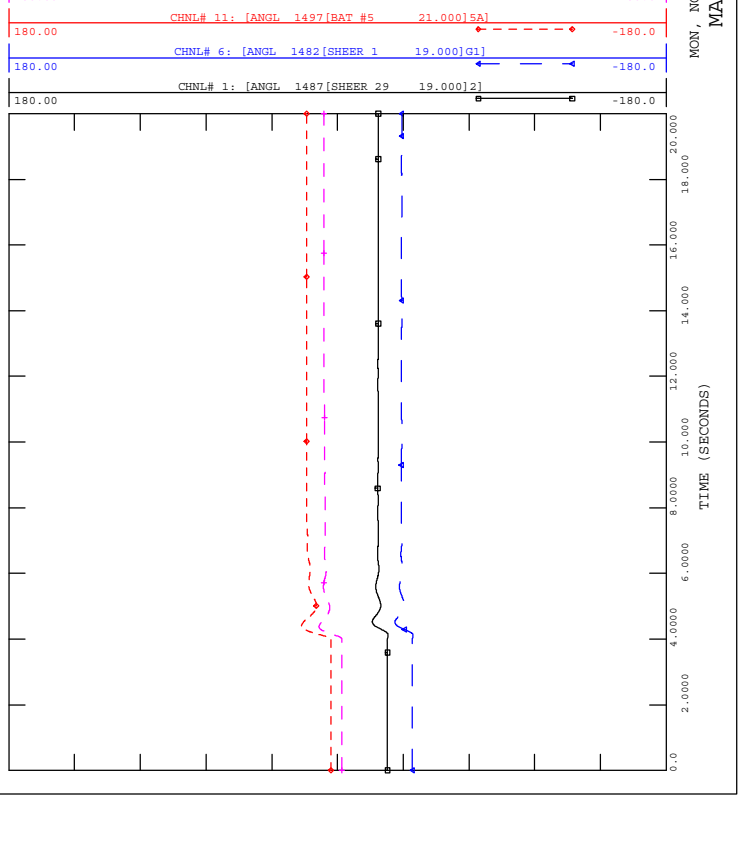


NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out

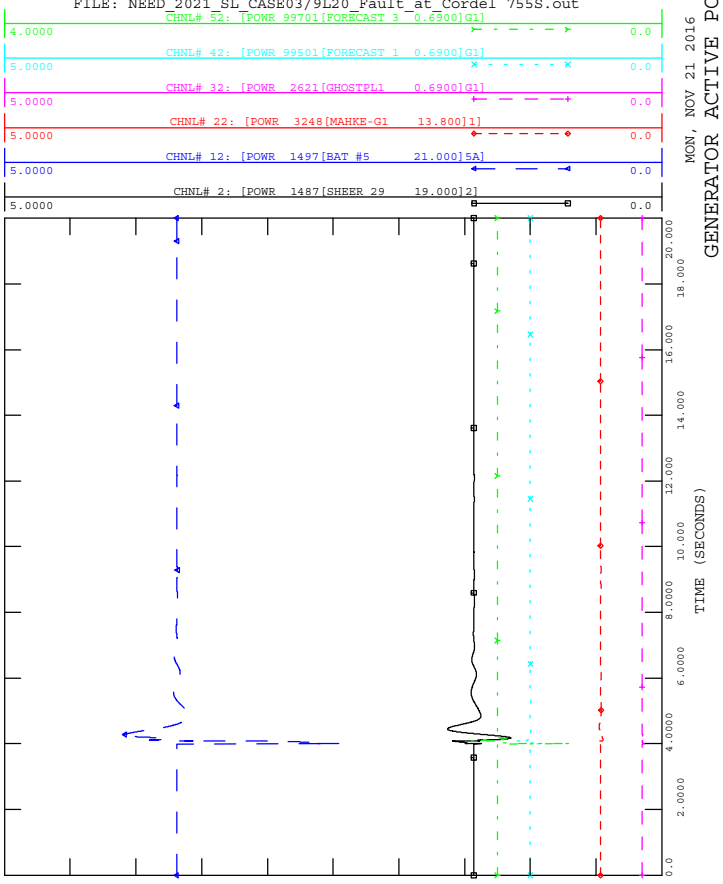
MON, NOV 21 2016 12:51

MACHINE ANGEL



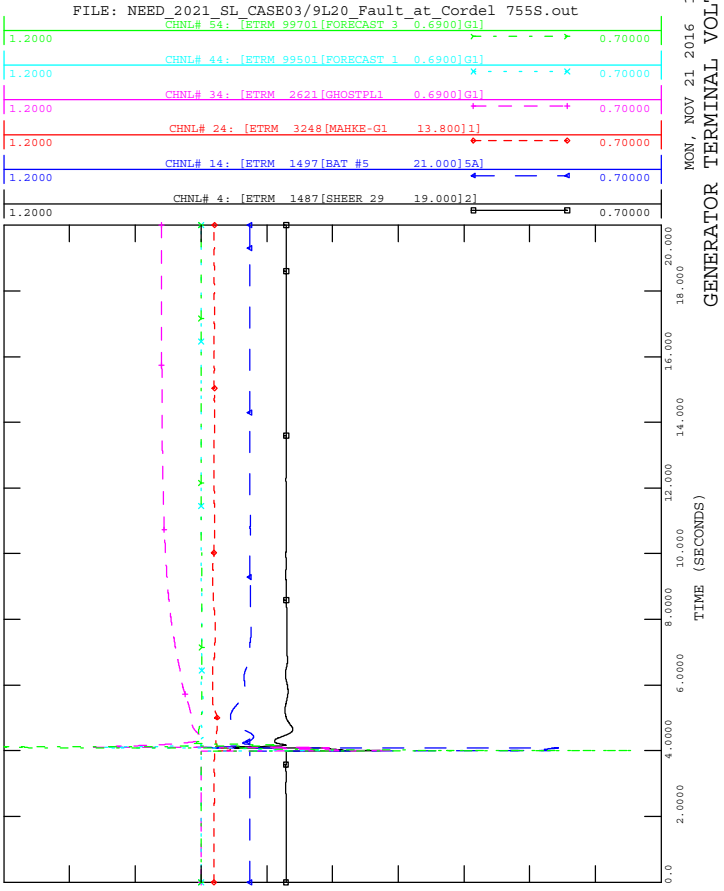
NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out



NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out



NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

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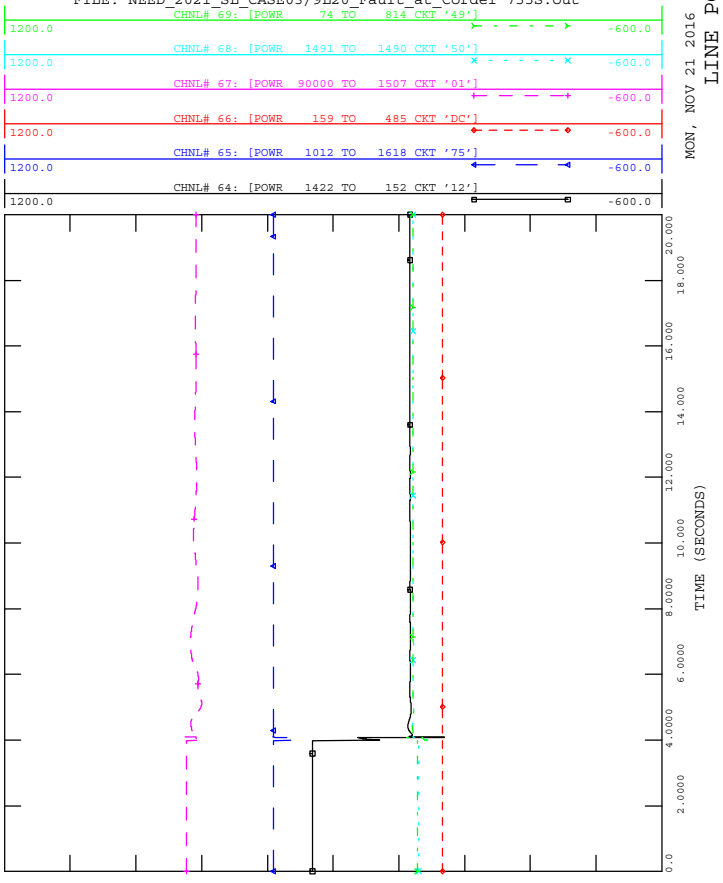
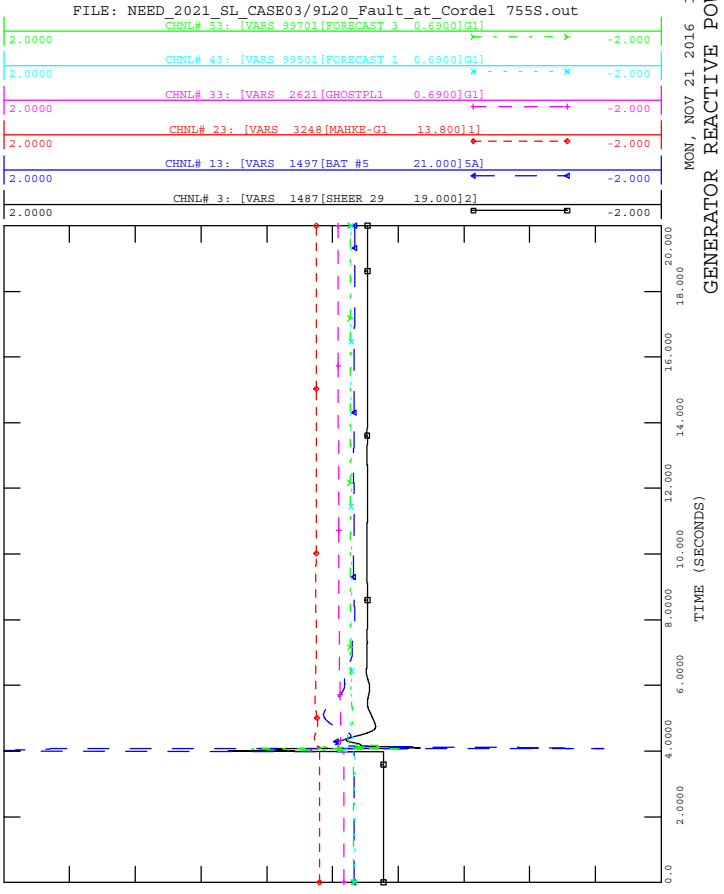


NEED_2021_SL_CASE03
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L20_Fault_at_Cordel 755S.out

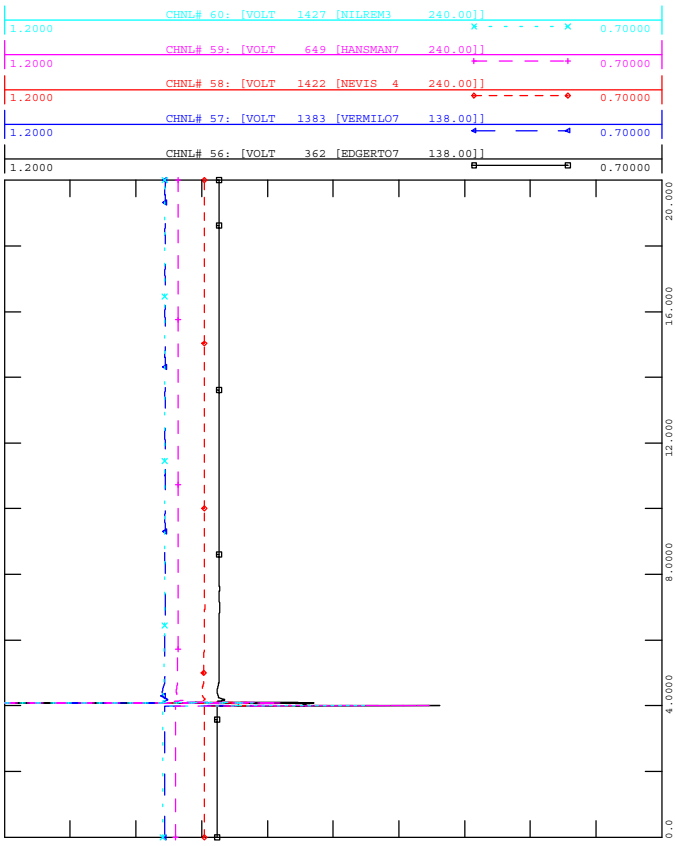


NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

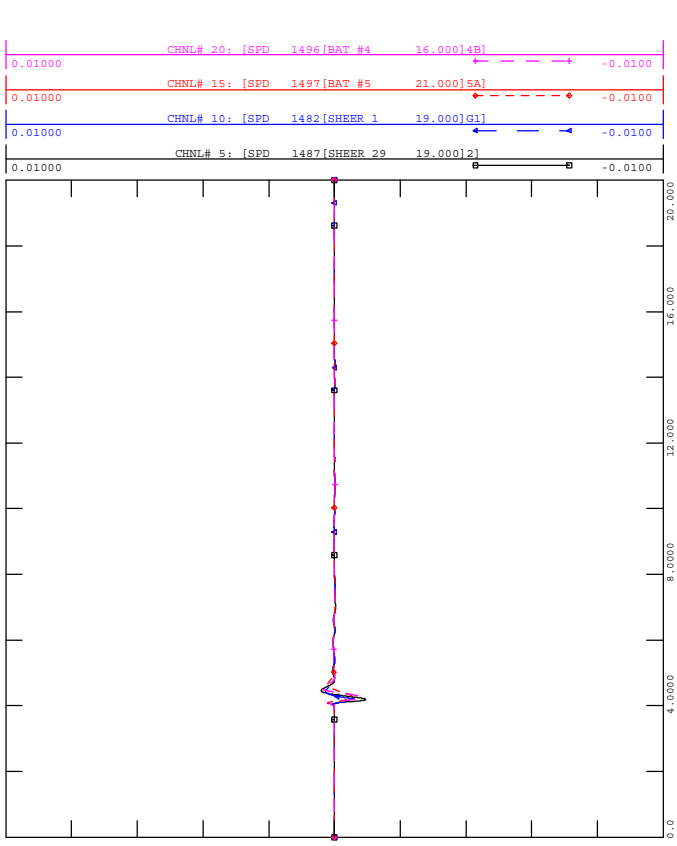


NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

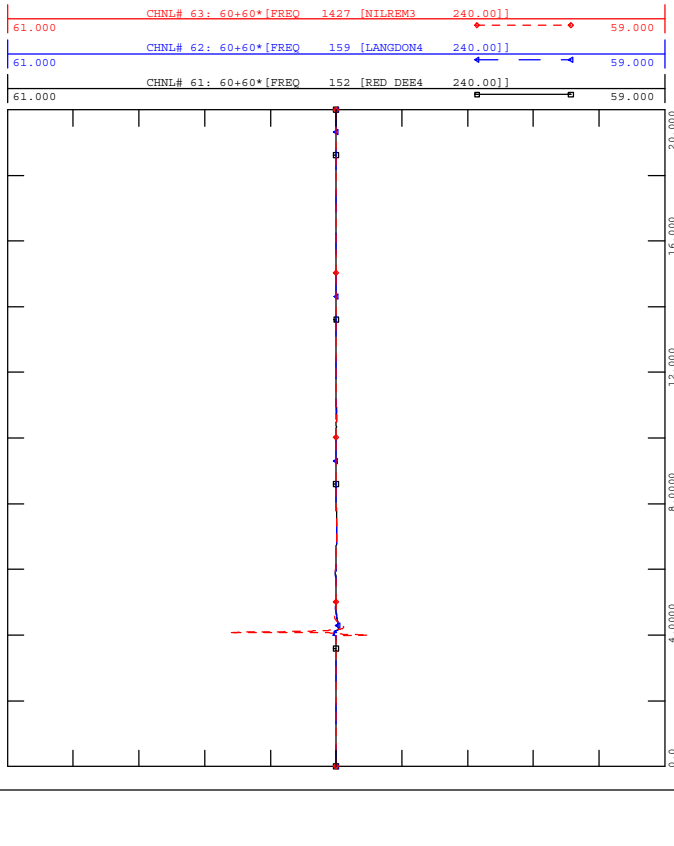


NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 12:51

FREQUENCY

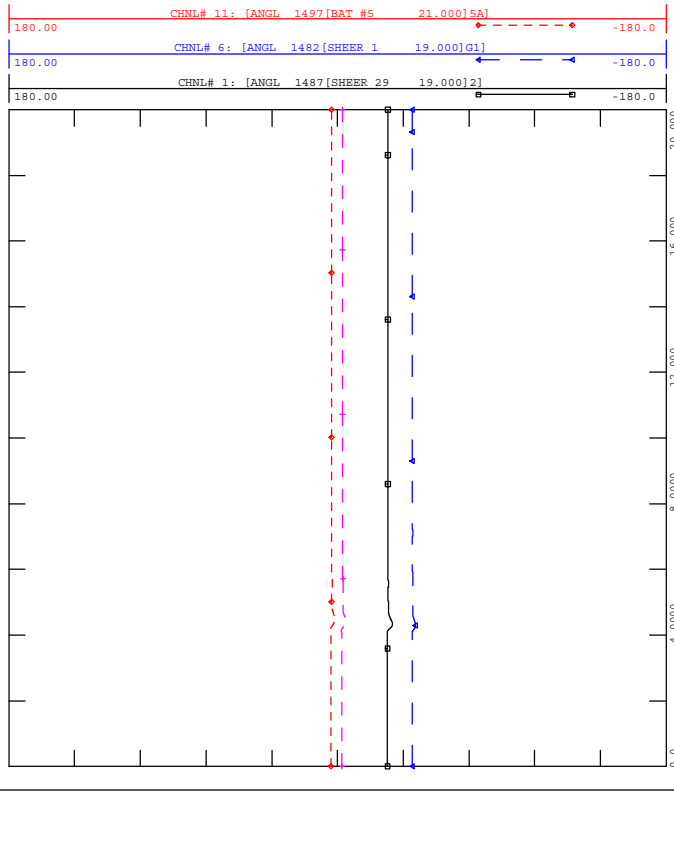


NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out

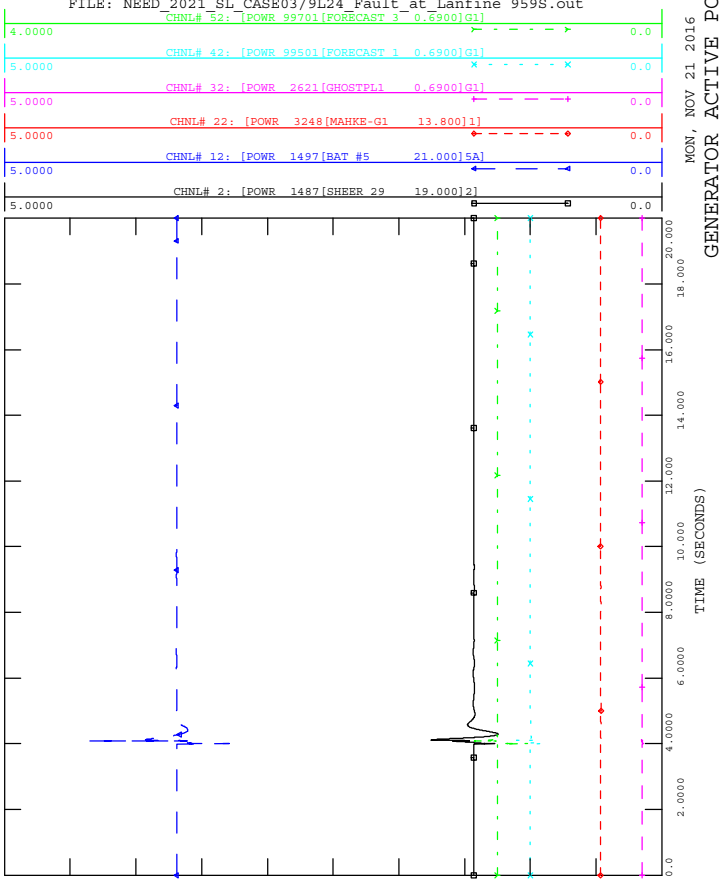
MON, NOV 21 2016 12:51

MACHINE ANGEL



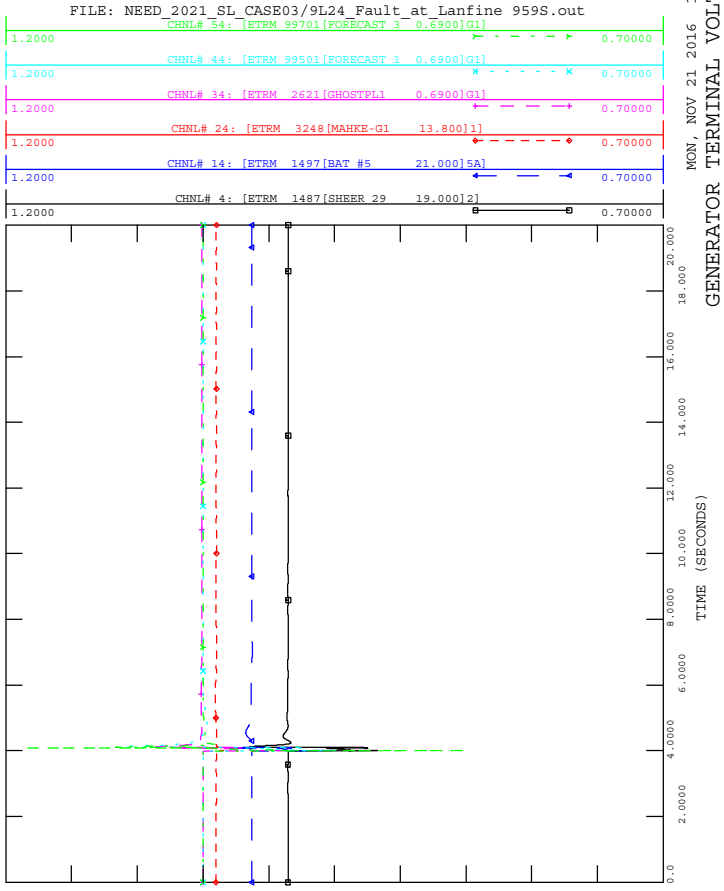
NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out



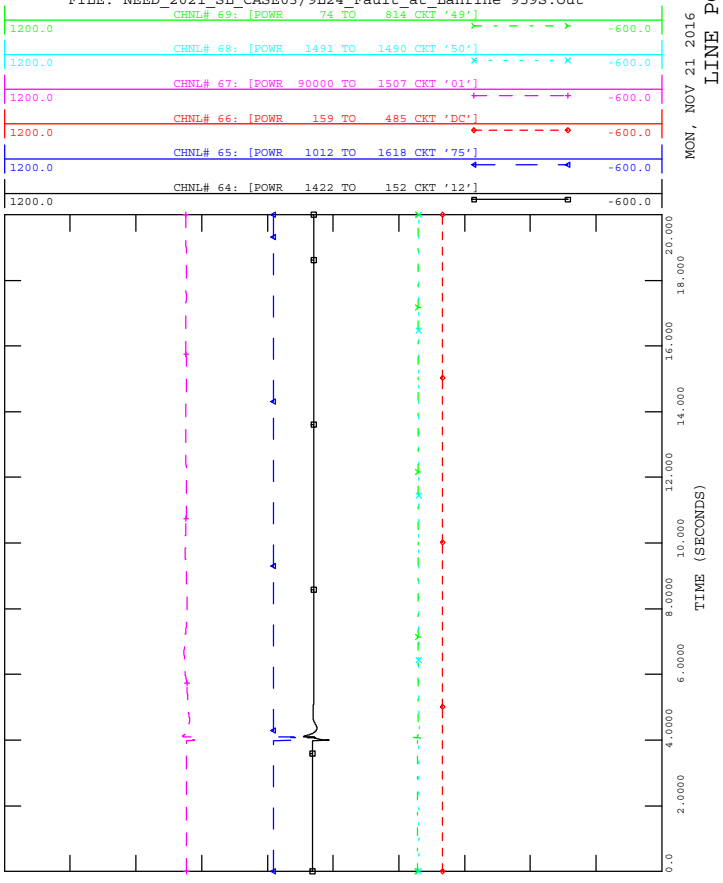
NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out



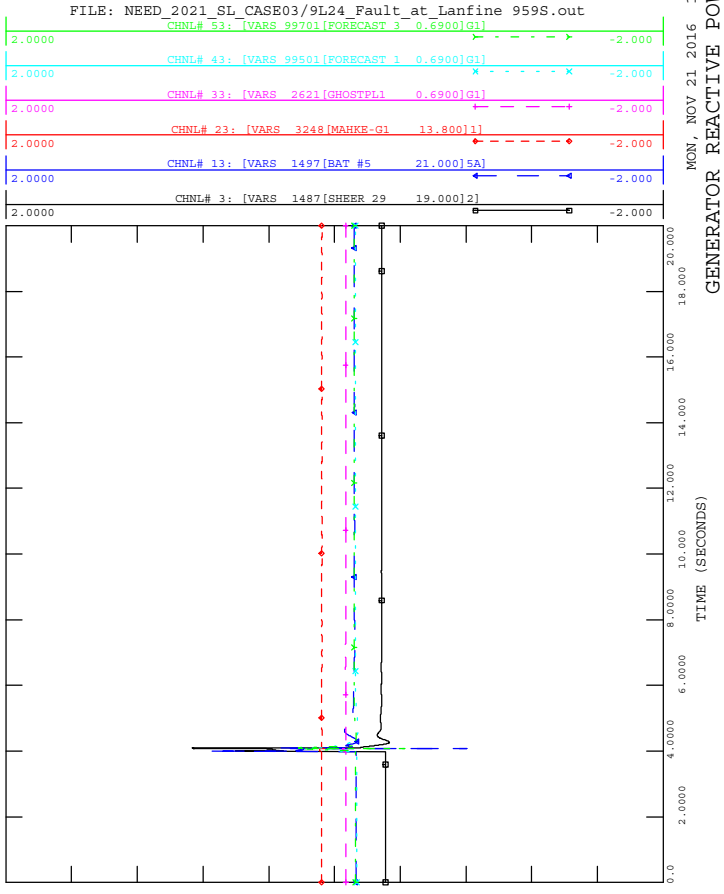
NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out



NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Lanfine 959S.out

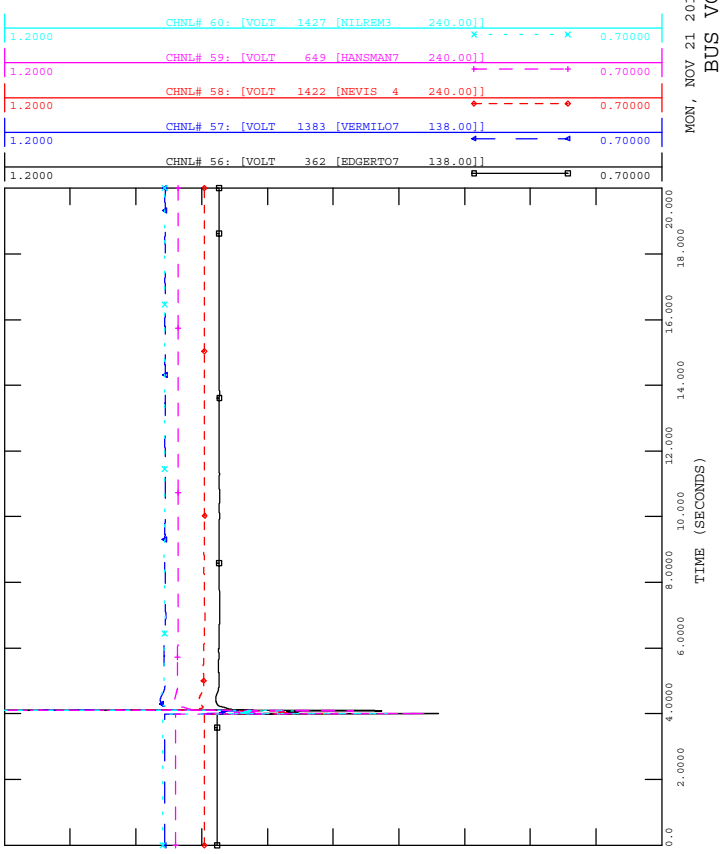


NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

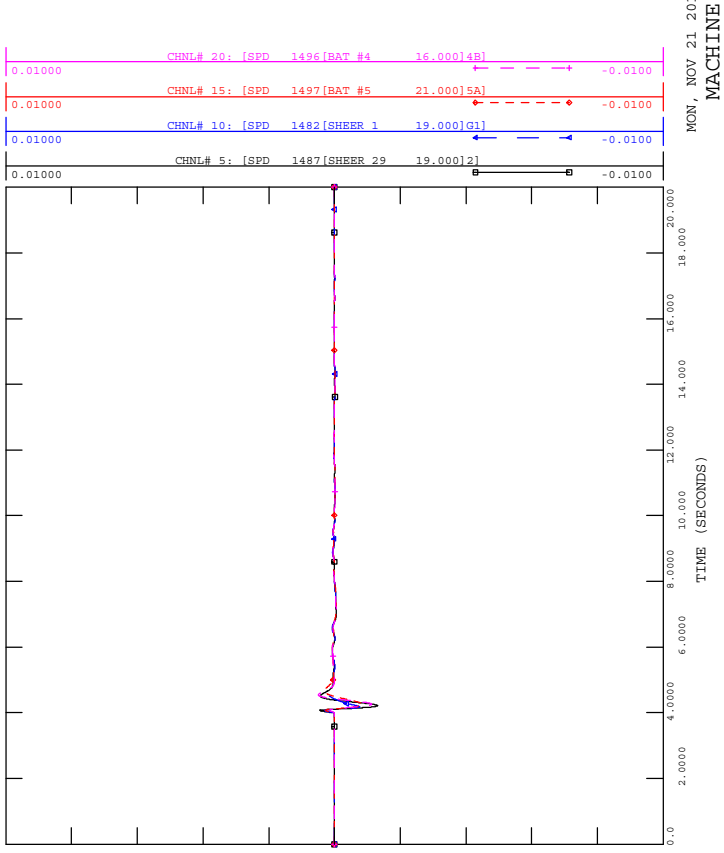


NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

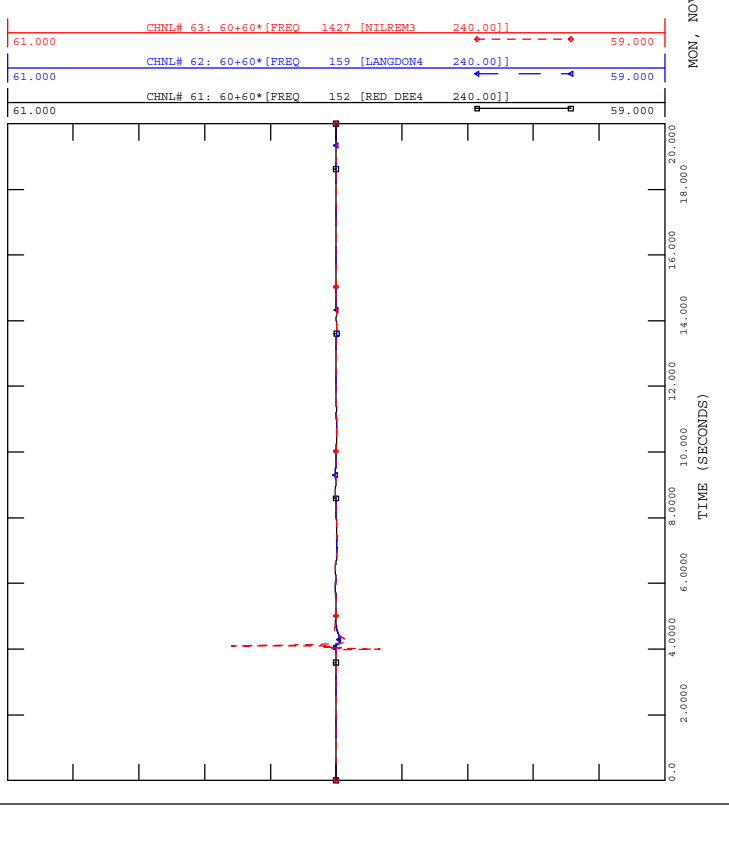


NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:51

FREQUENCY

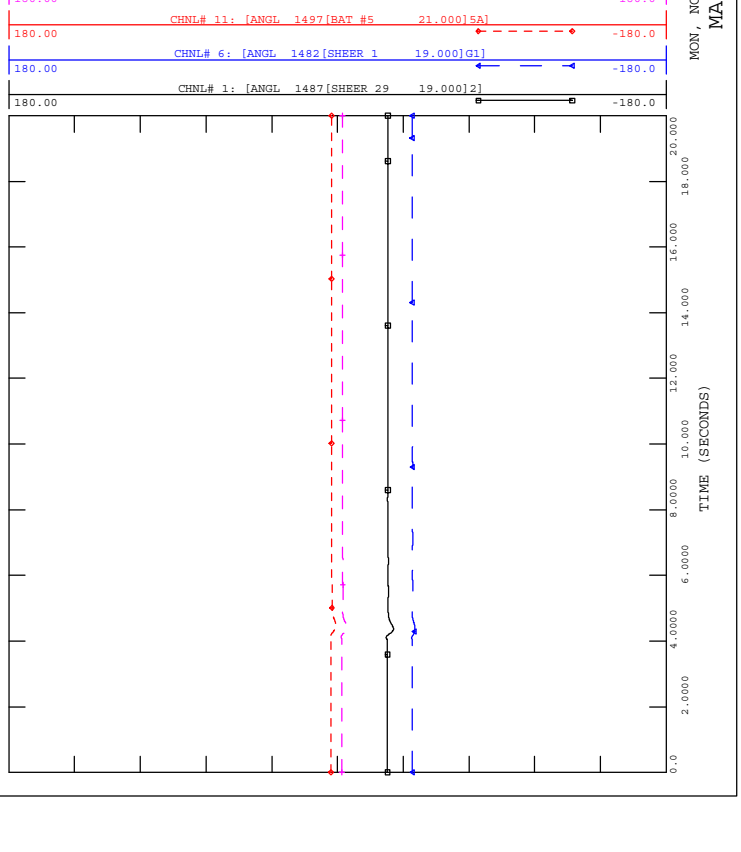


NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out

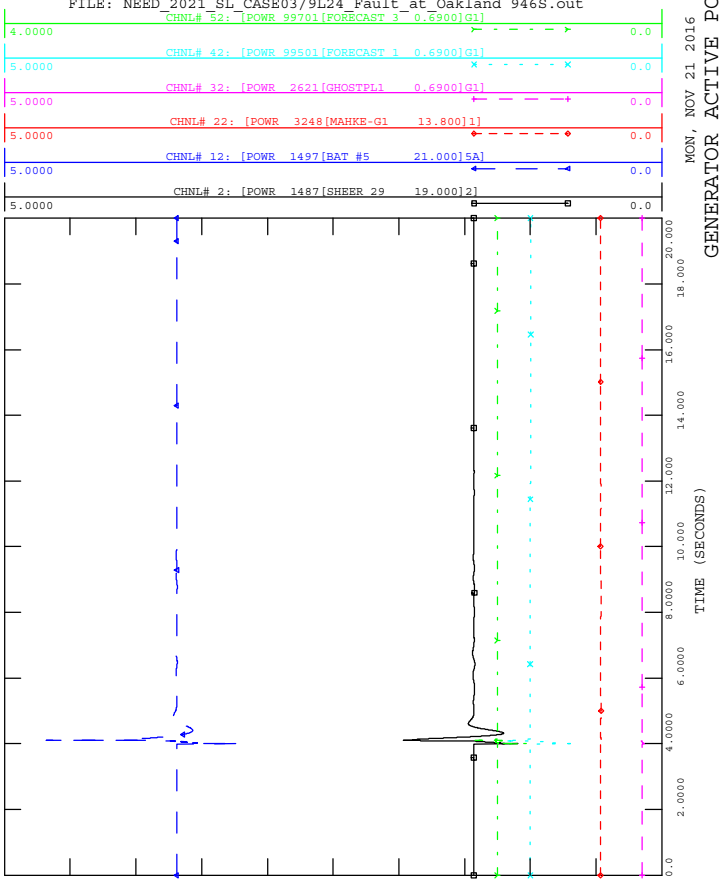
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out

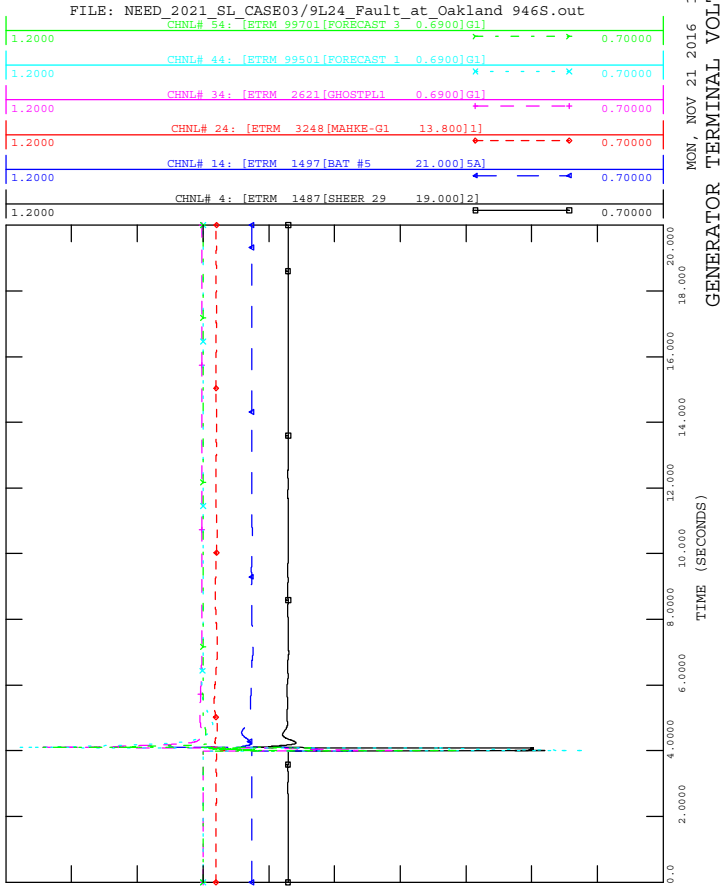


MON, NOV 21 2016 12:51

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out

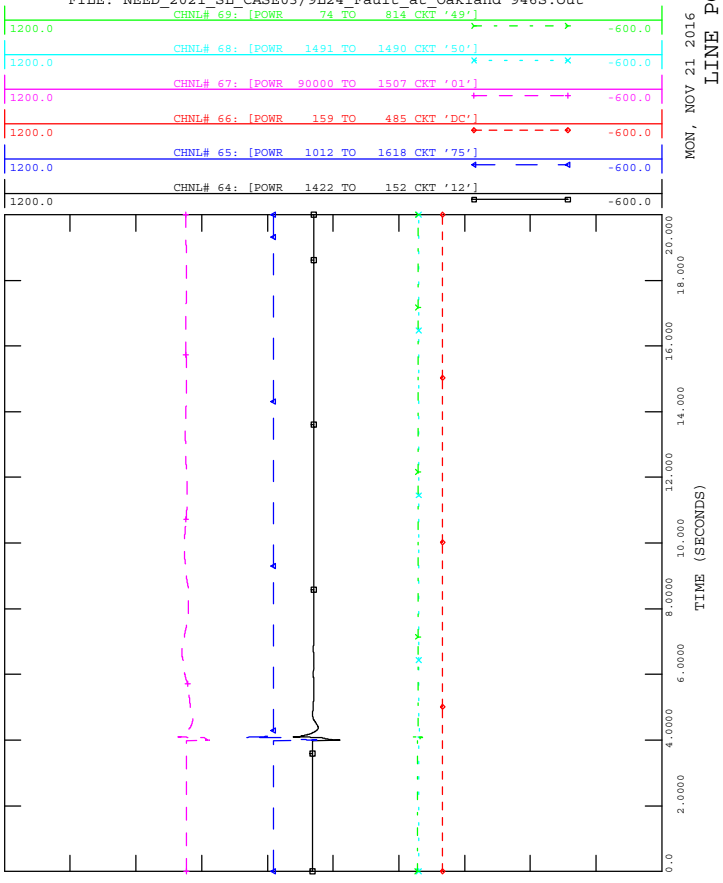


MON, NOV 21 2016 12:51

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out

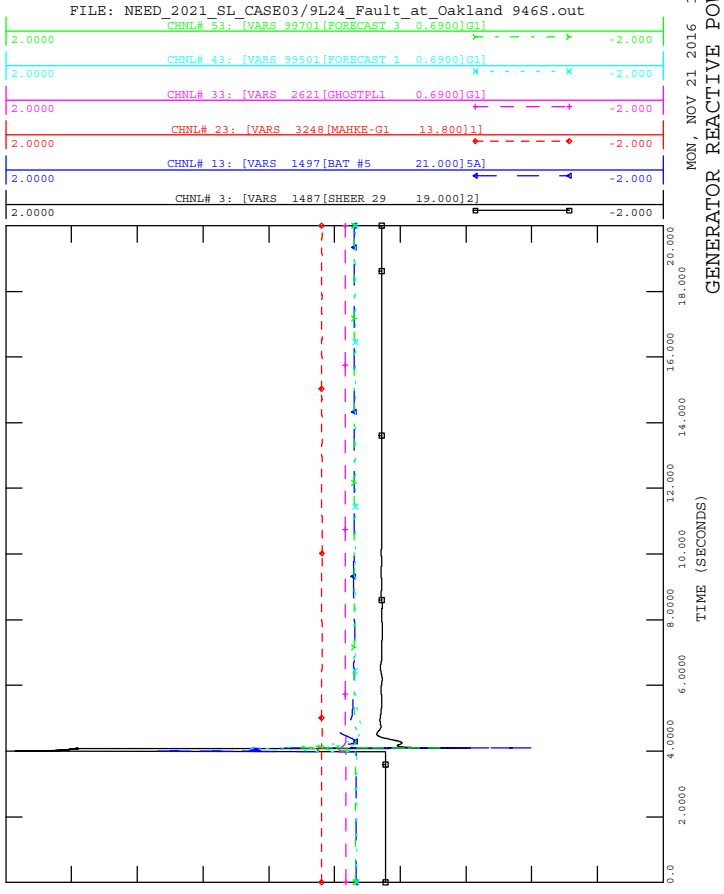


MON, NOV 21 2016 12:51

LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L24_Fault_at_Oakland 946S.out



MON, NOV 21 2016 12:51

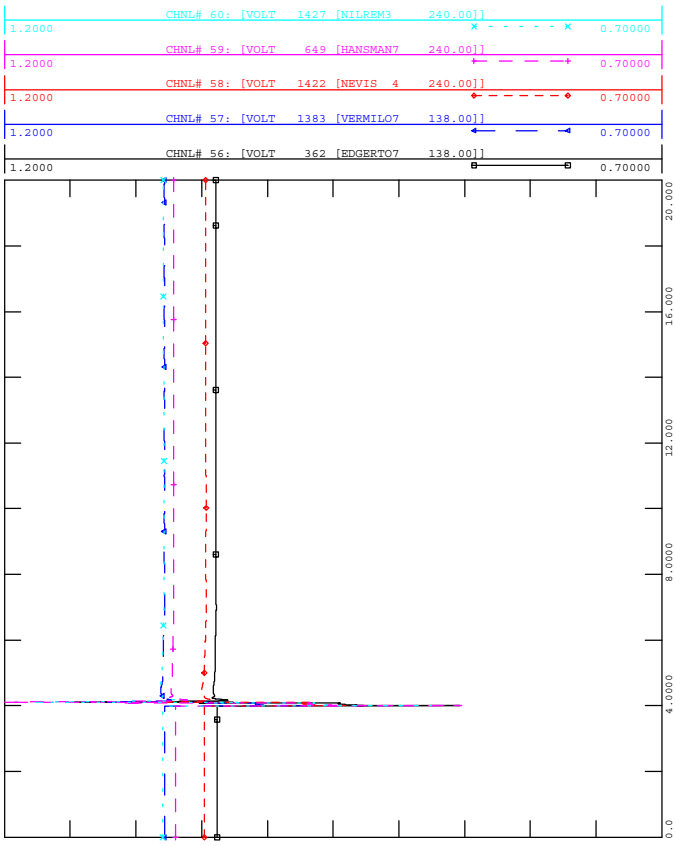
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

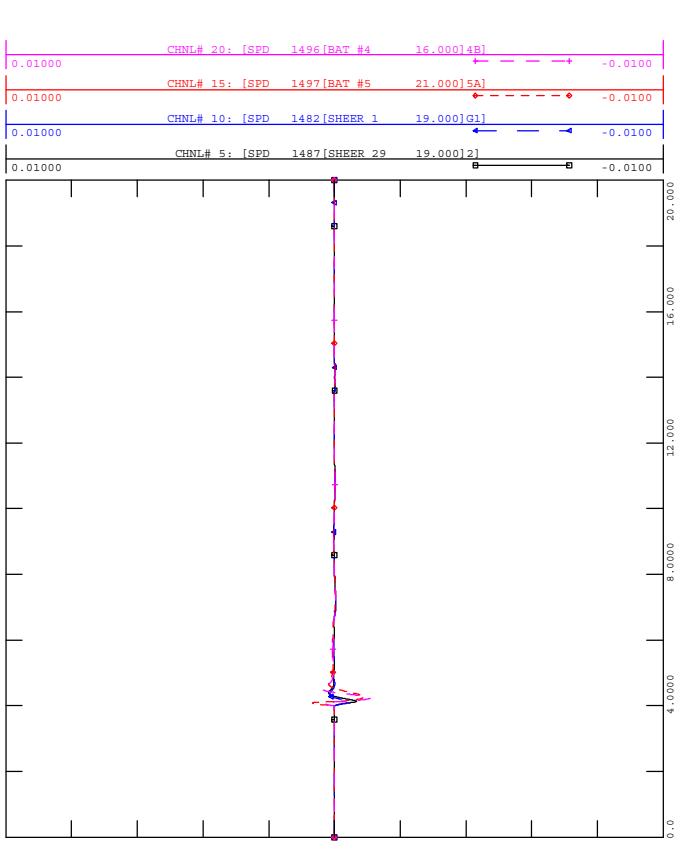


NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

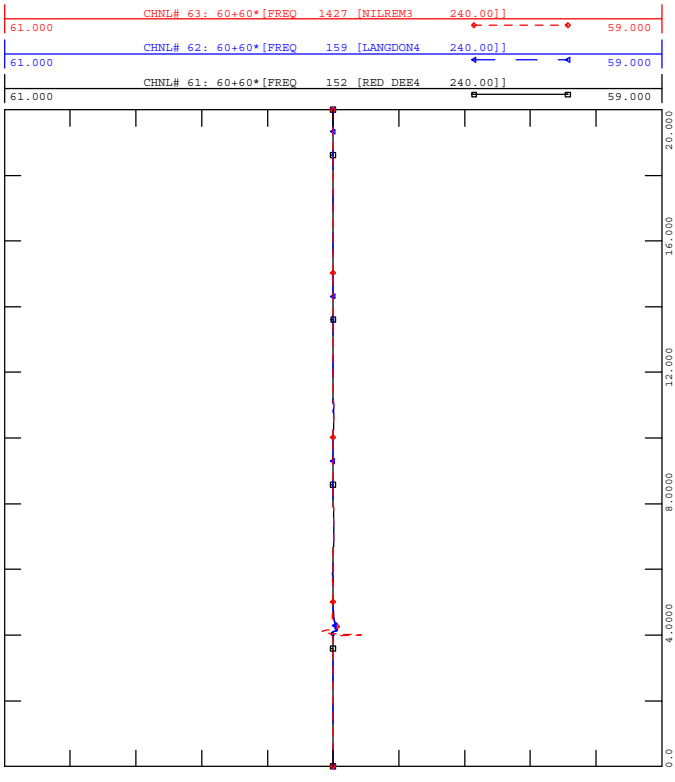


NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:51

FREQUENCY

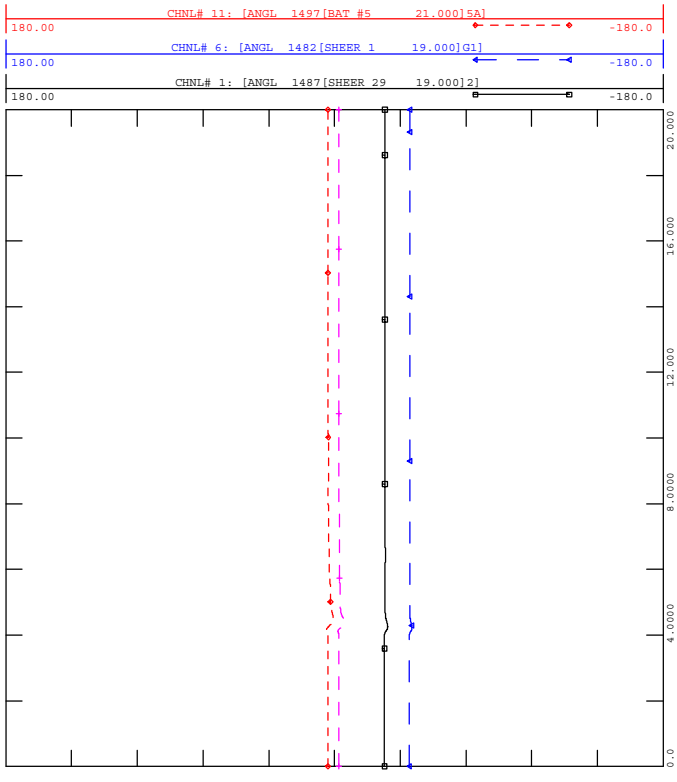


NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out

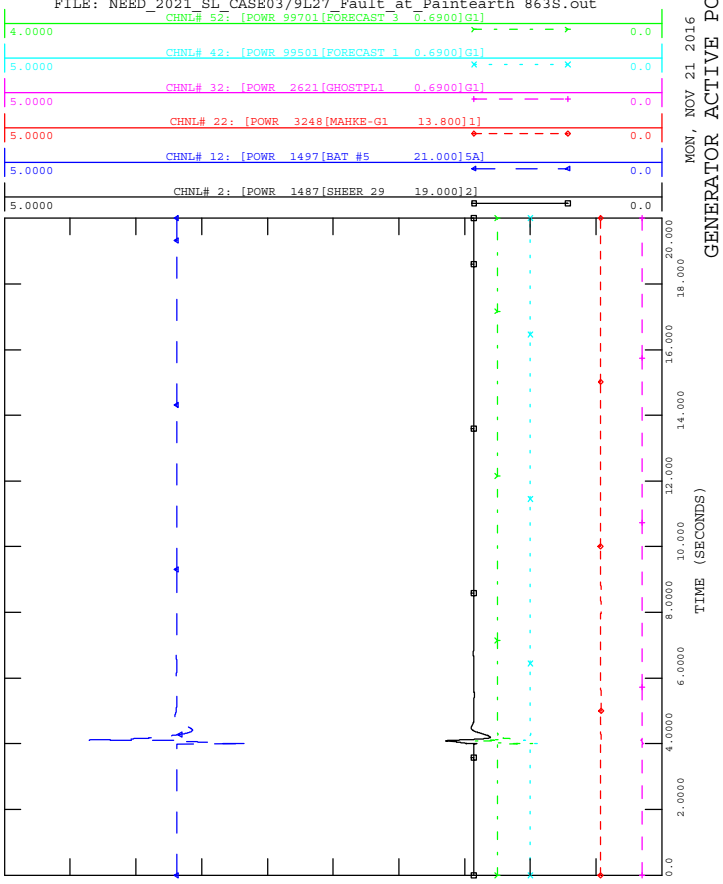
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

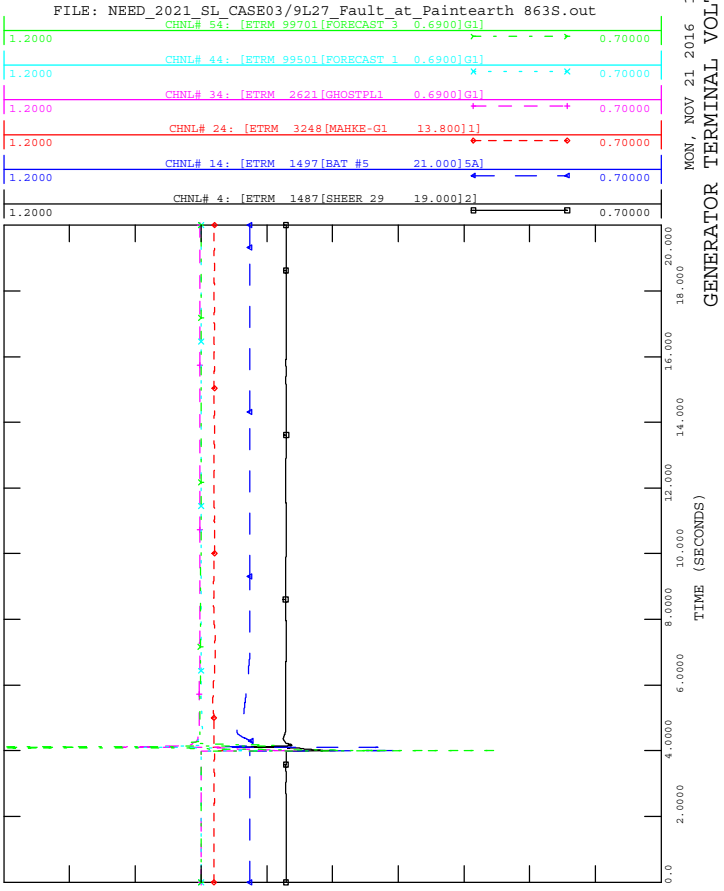
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

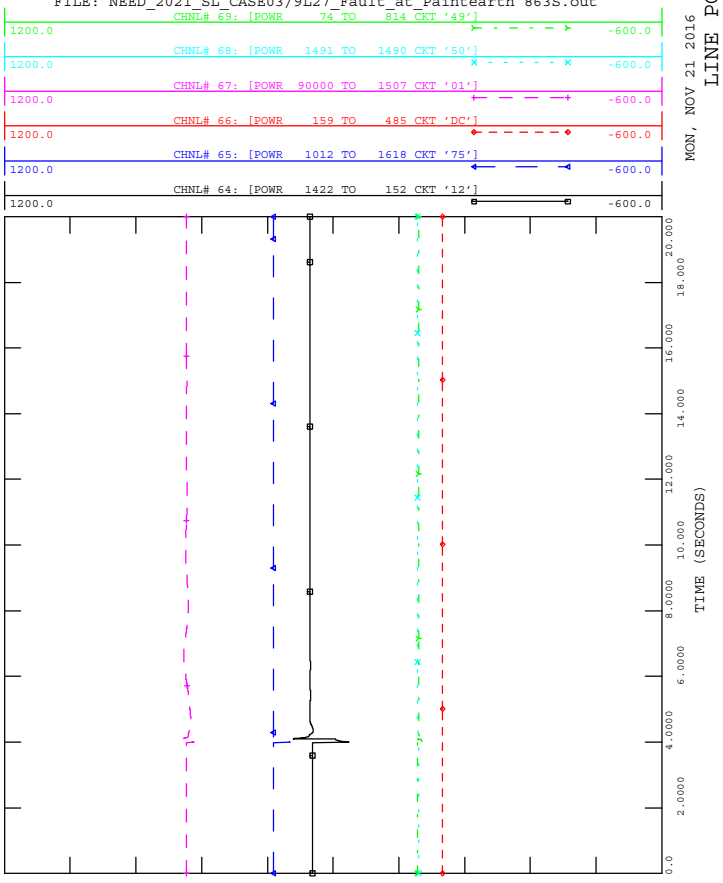
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

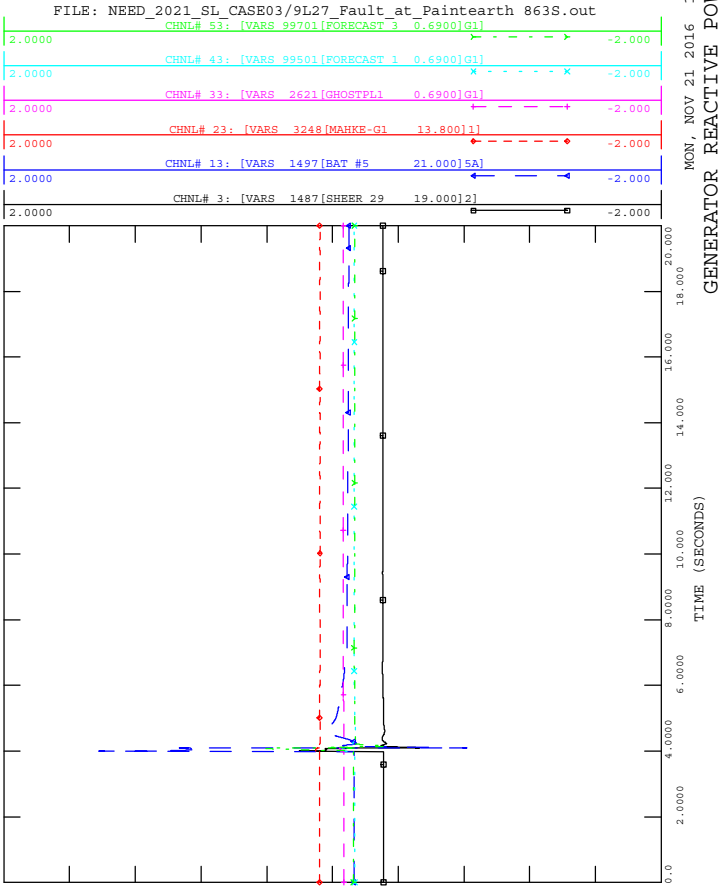
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Paintearth 863S.out



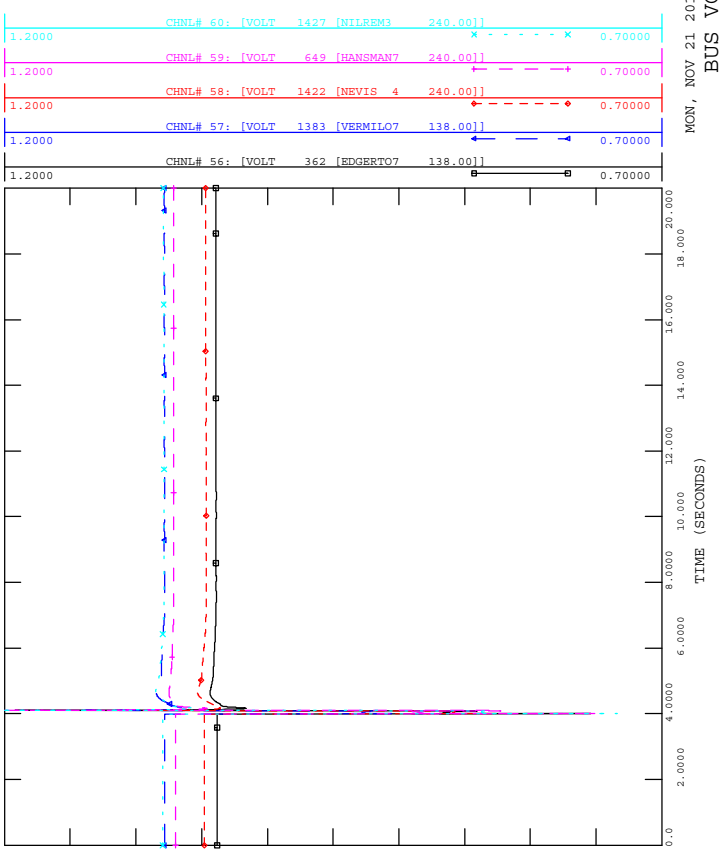
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

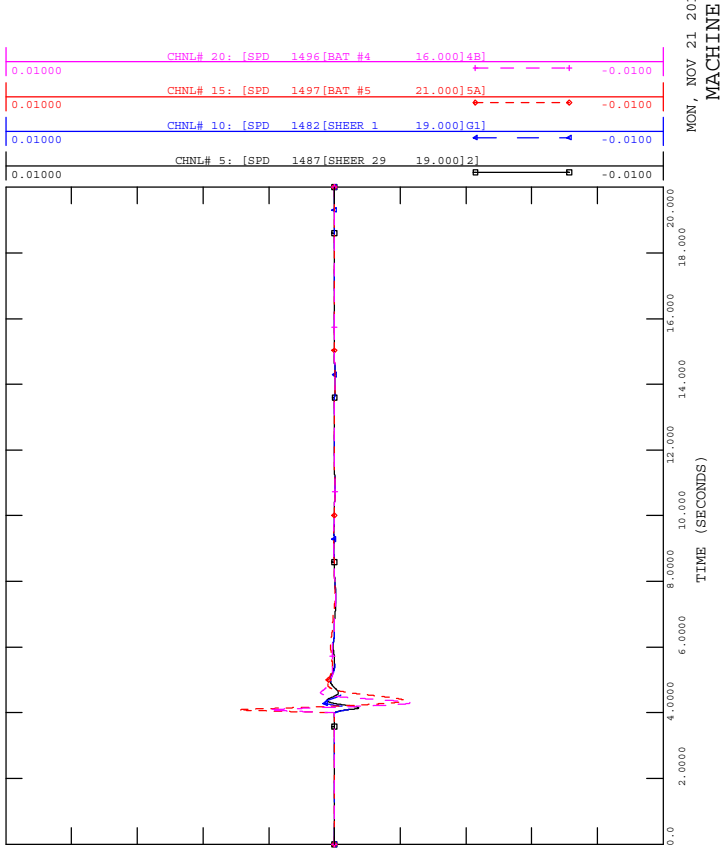


NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:51

MACHINE SPEED



NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out

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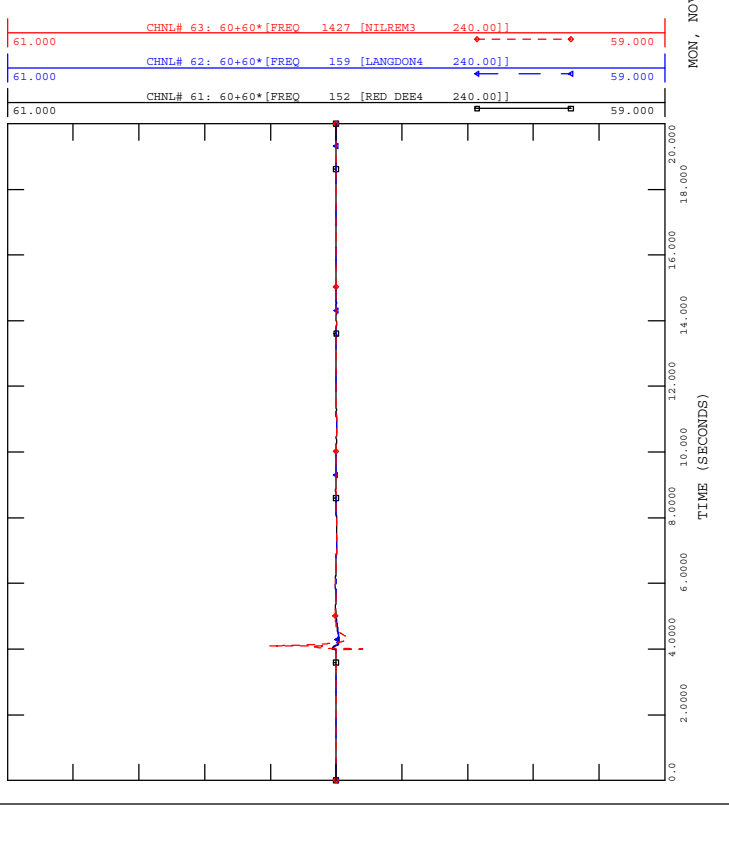
FREQUENCY

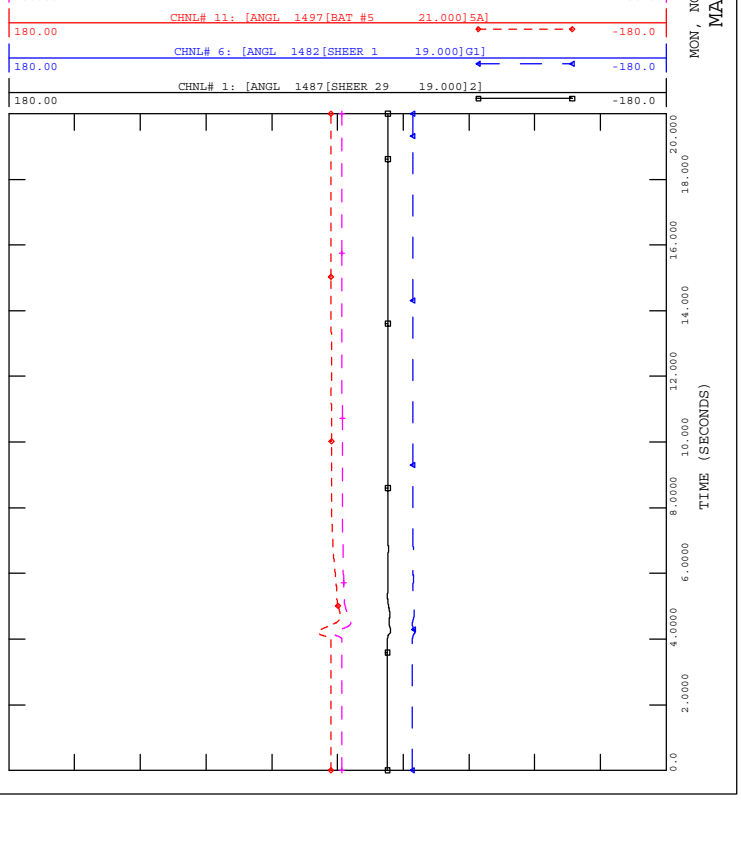


NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out

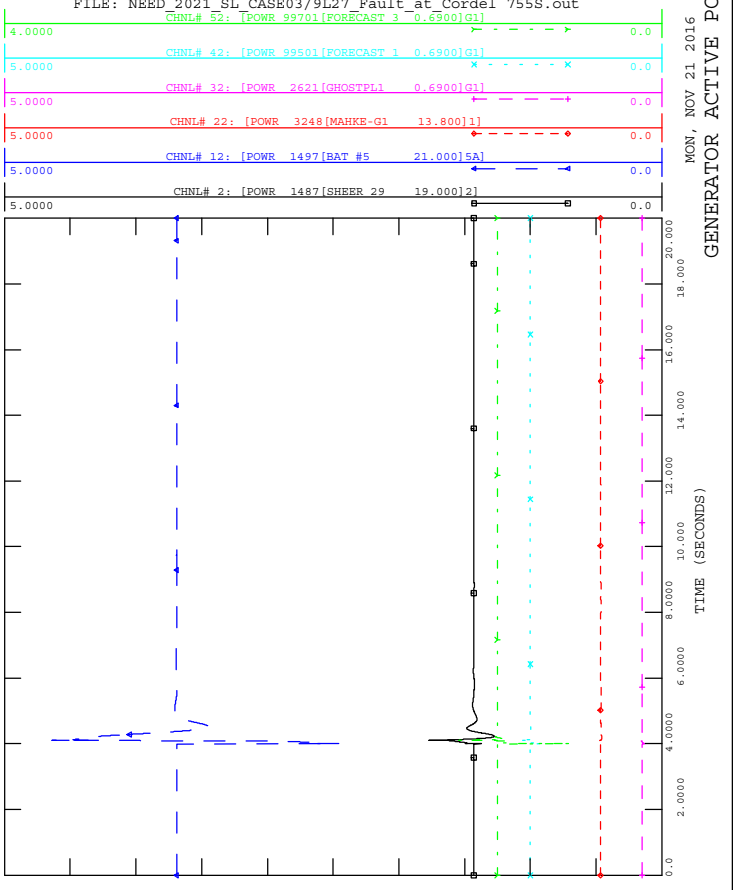
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

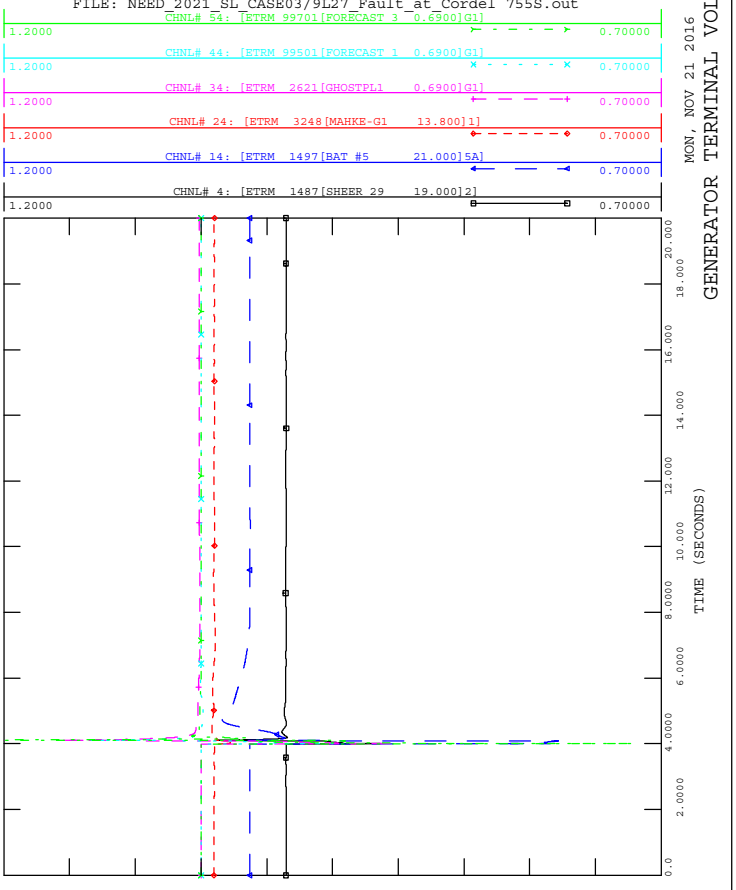
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

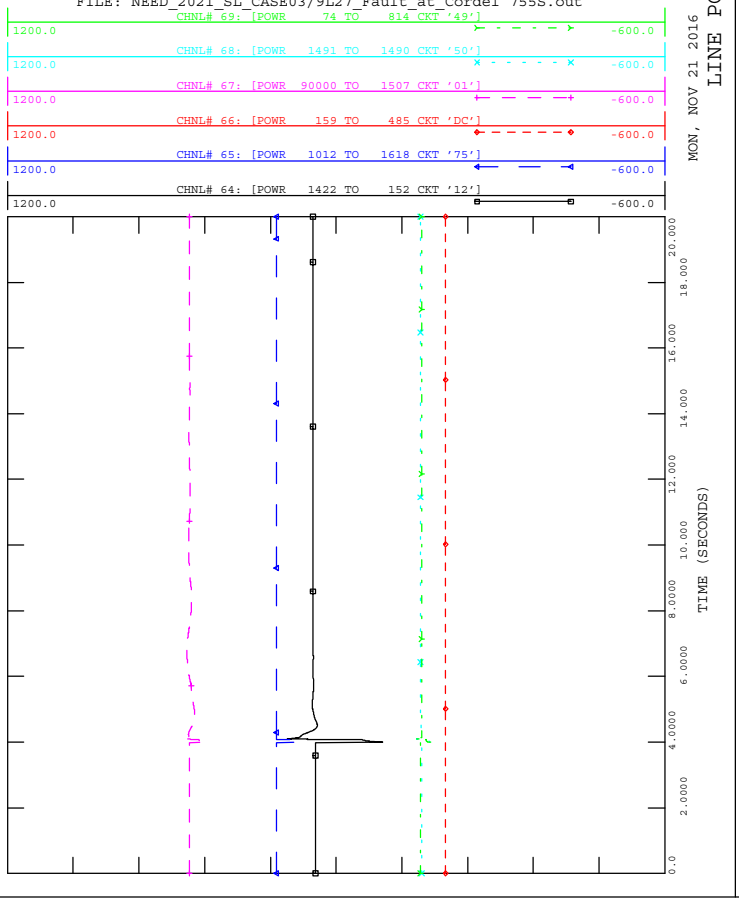
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

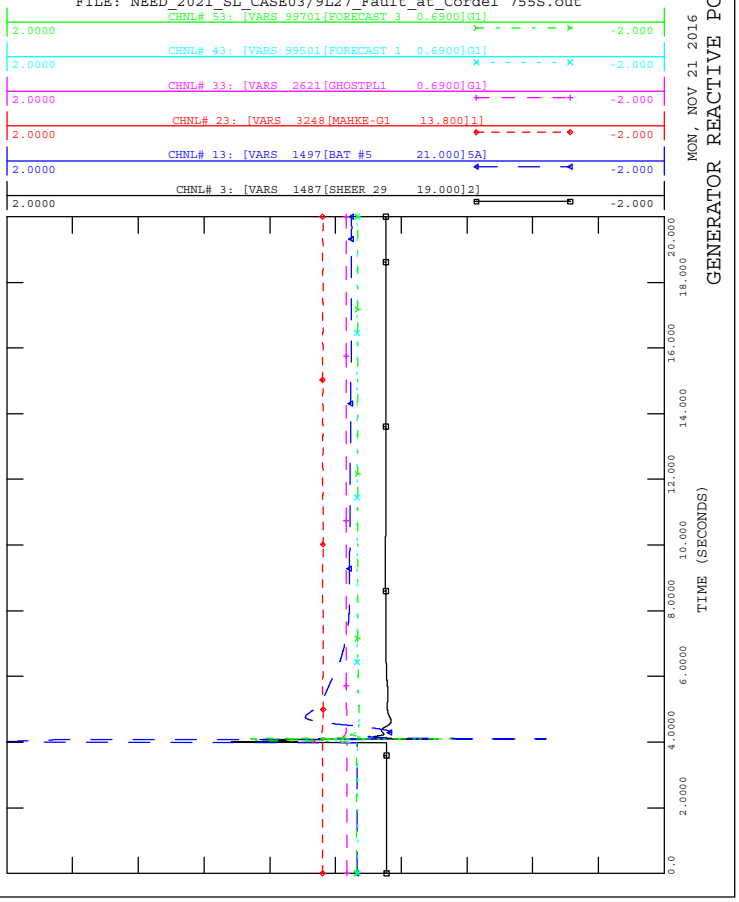
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

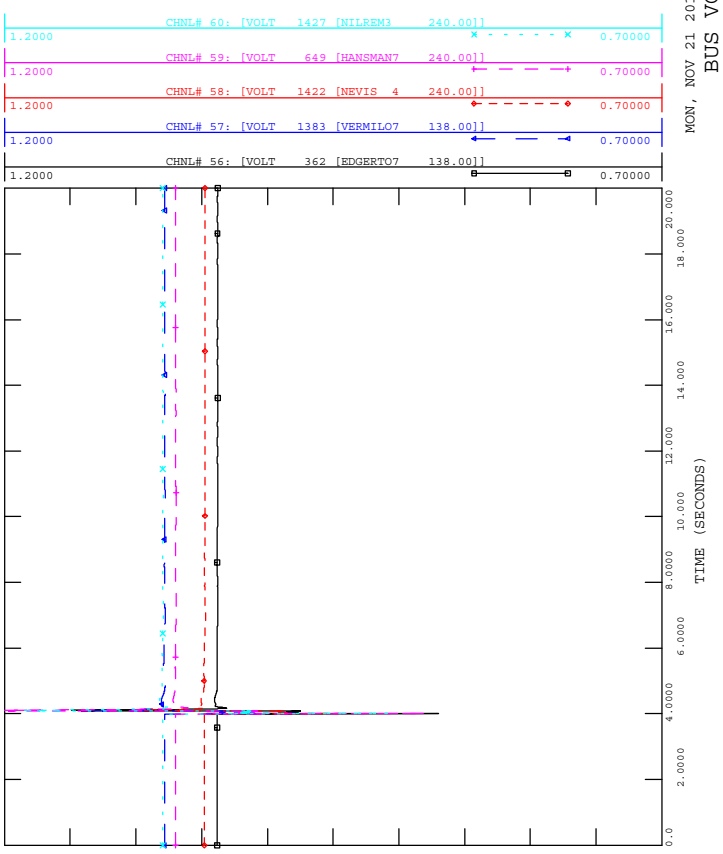
FILE: NEED_2021_SL_CASE03/9L27_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out

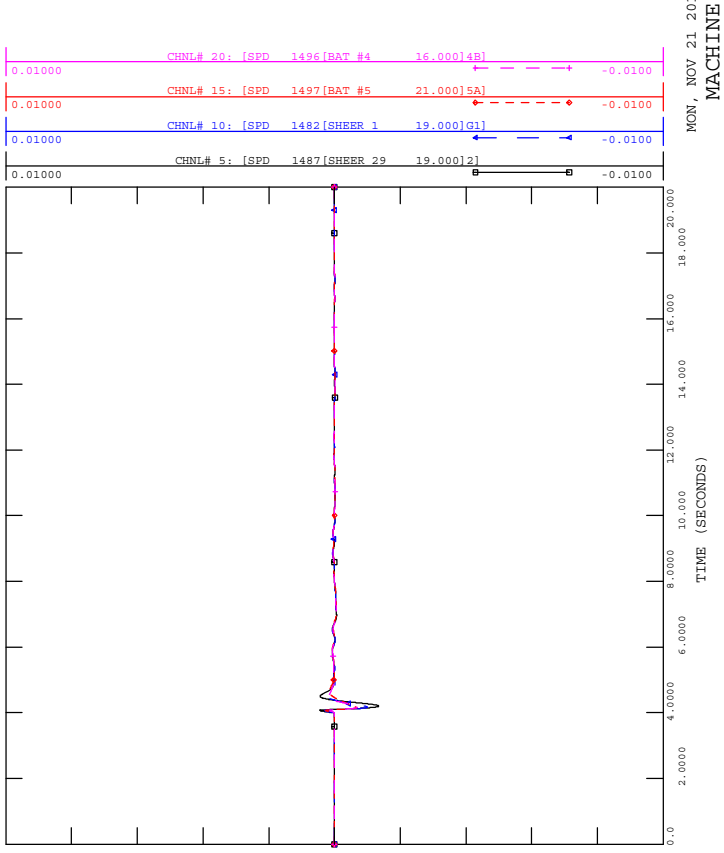


MON, NOV 21 2016 12:51

BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out

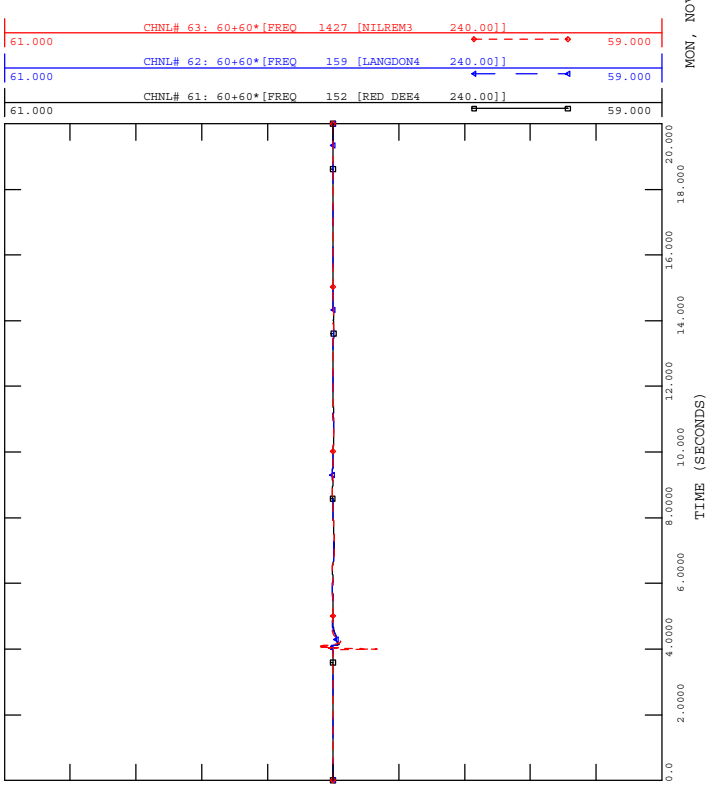


MON, NOV 21 2016 12:51

MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out

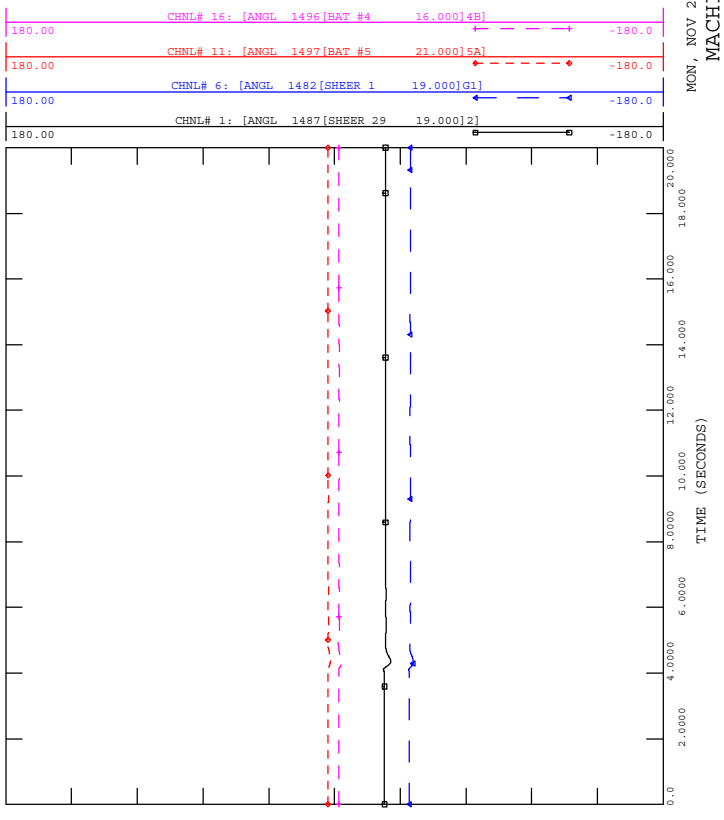


MON, NOV 21 2016 12:51

FREQUENCY

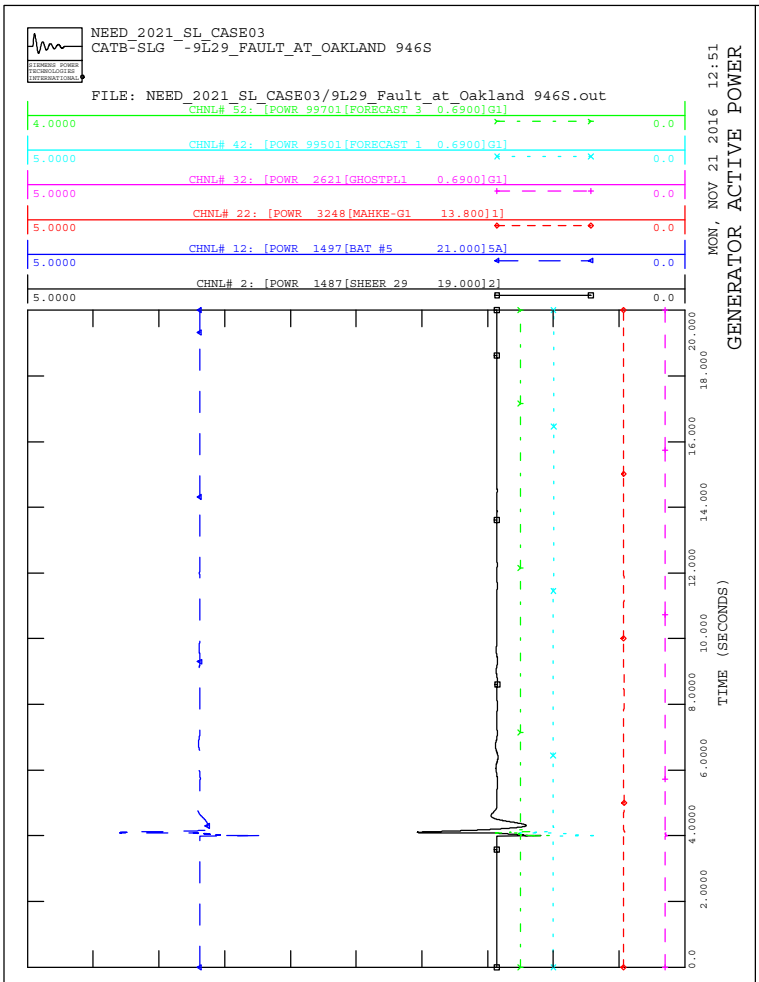
NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

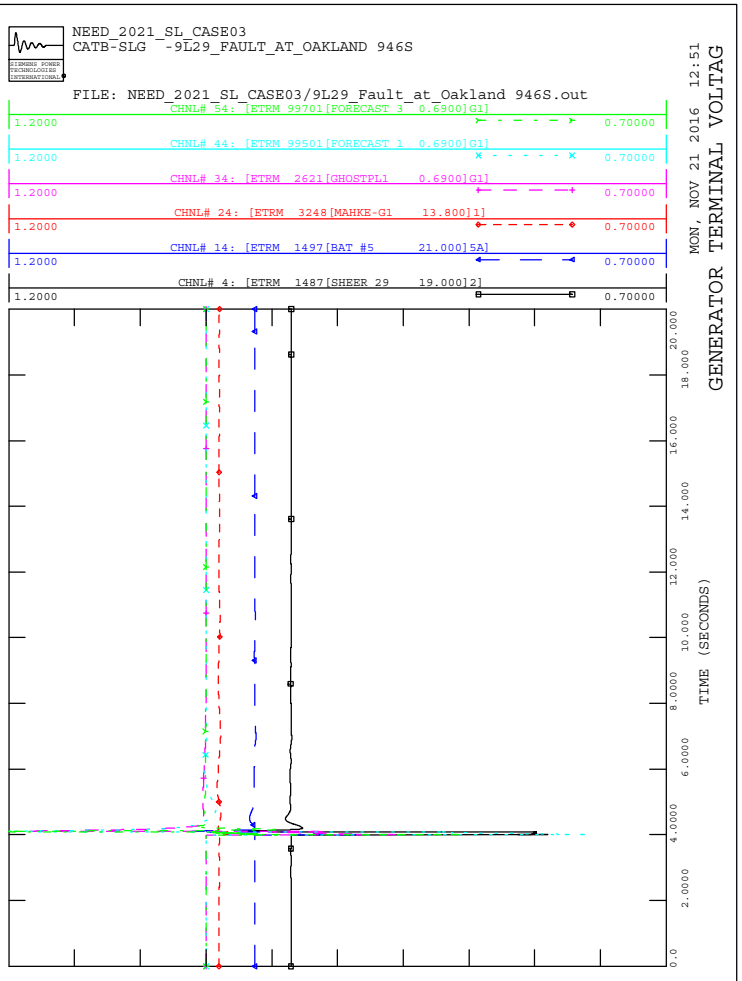
FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out

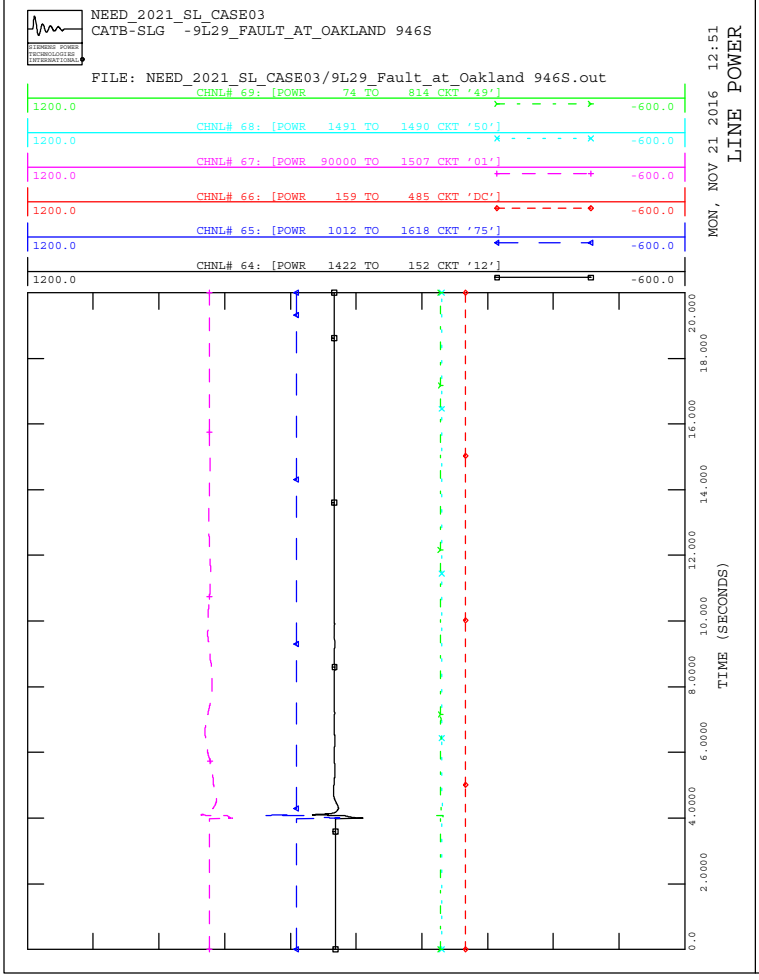


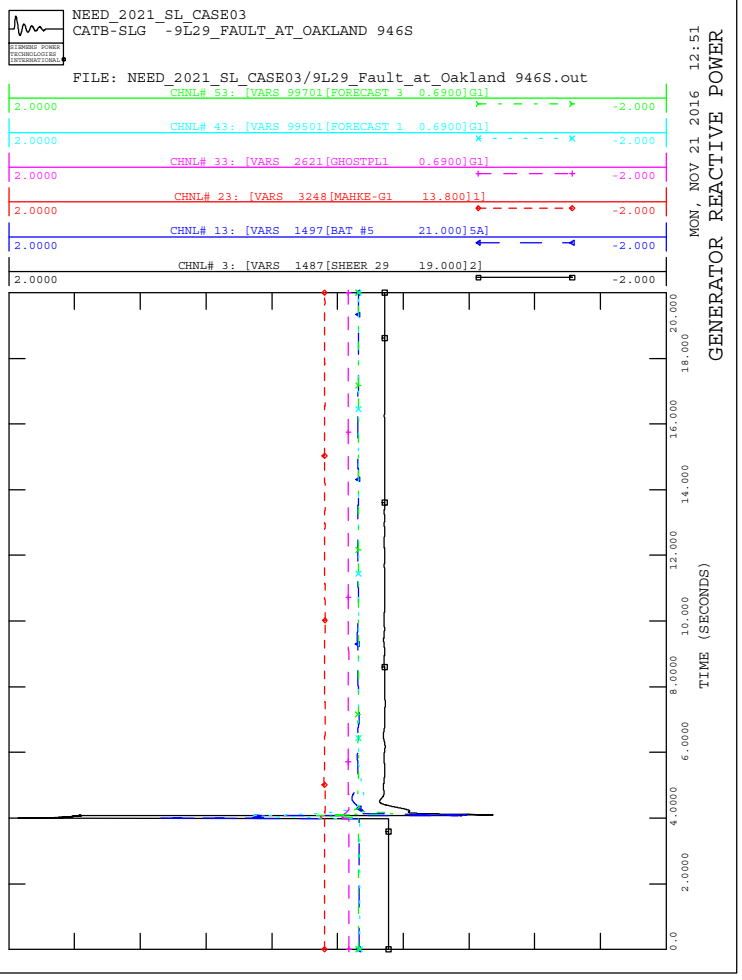
MON, NOV 21 2016 12:51

MACHINE ANGEL


NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:51


NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:51


NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
LINE POWER
MON, NOV 21 2016 12:51

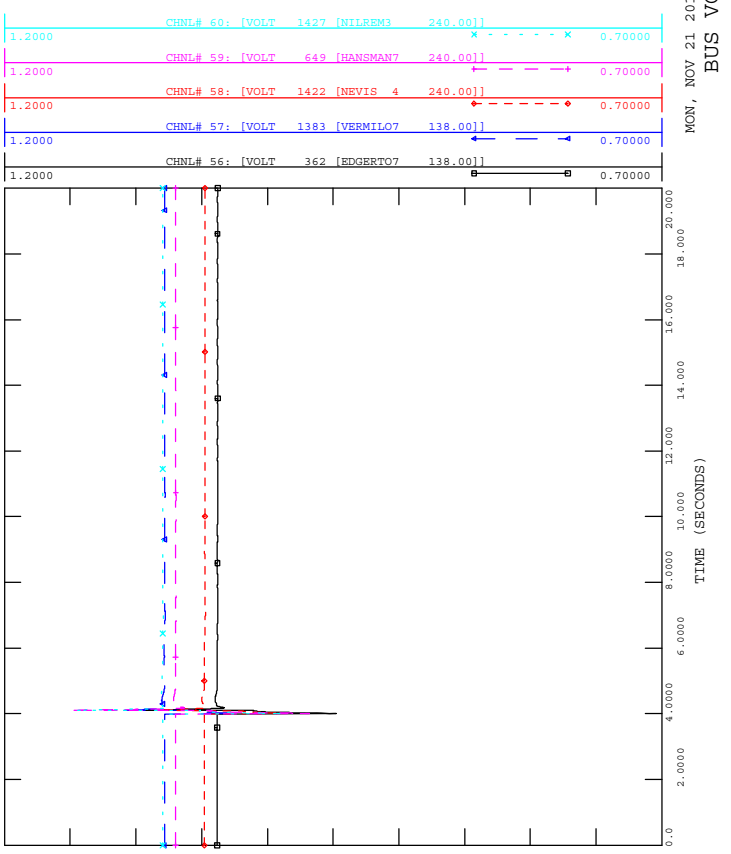

NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Oakland 946S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:51

NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

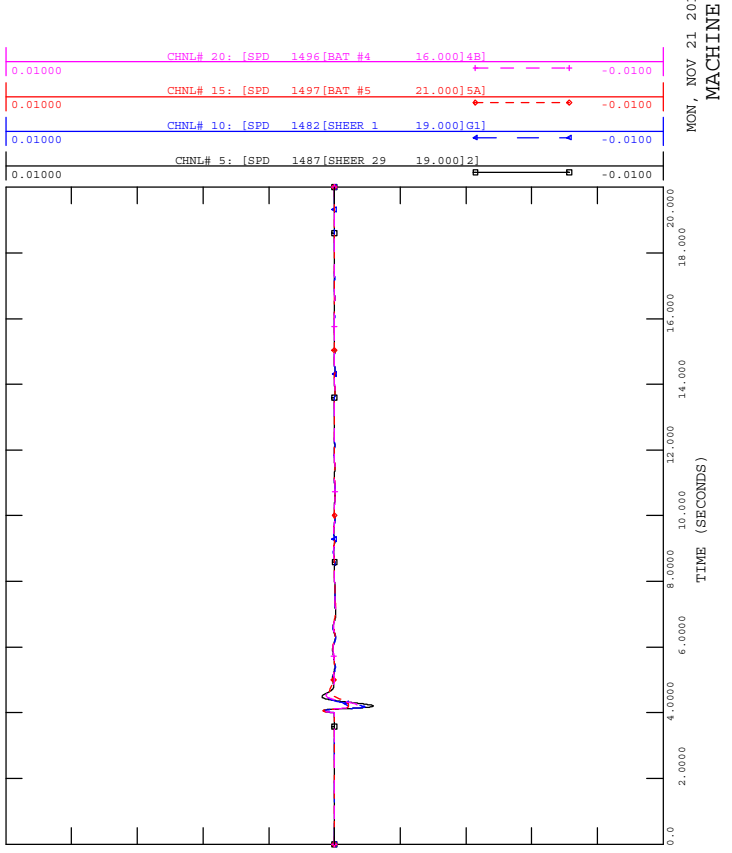


NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

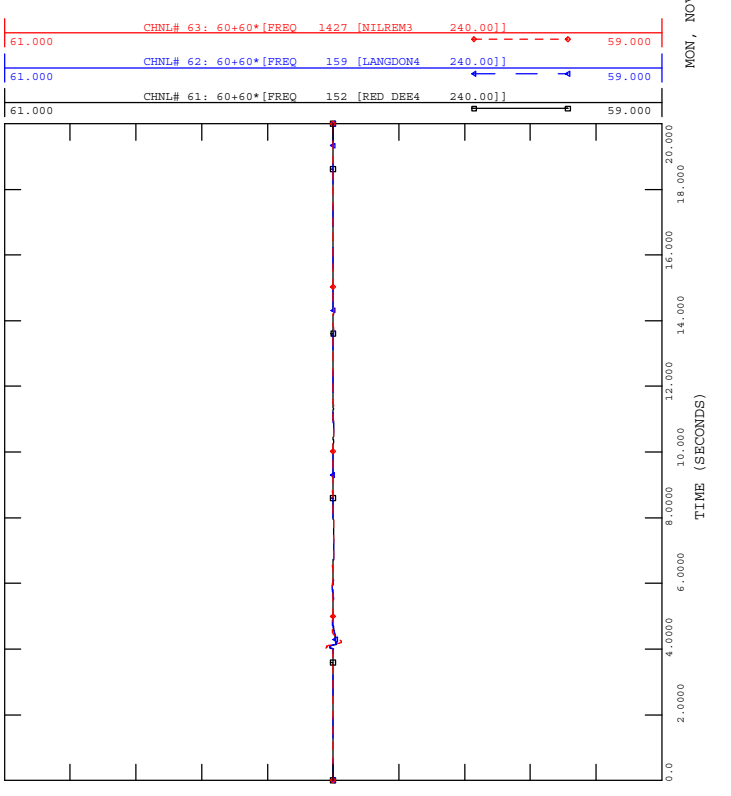


NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out

MON, NOV 21 2016 12:51

FREQUENCY

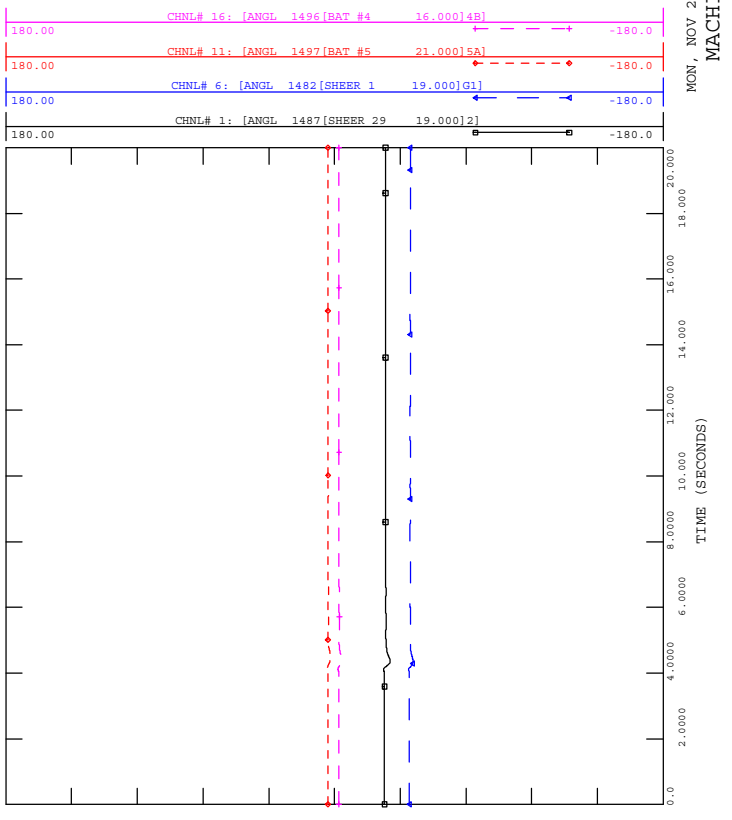


NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out

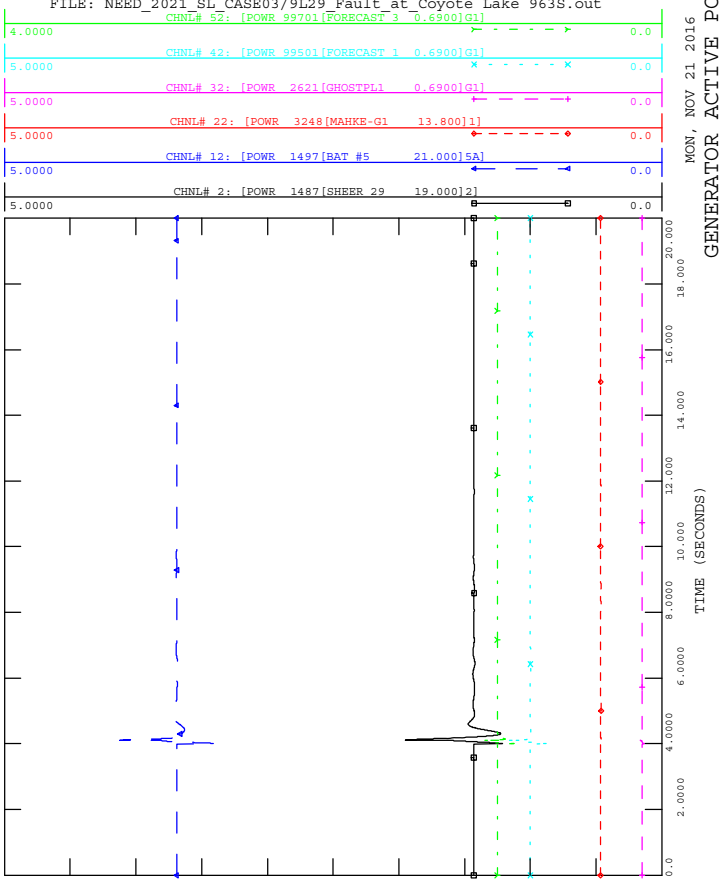
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

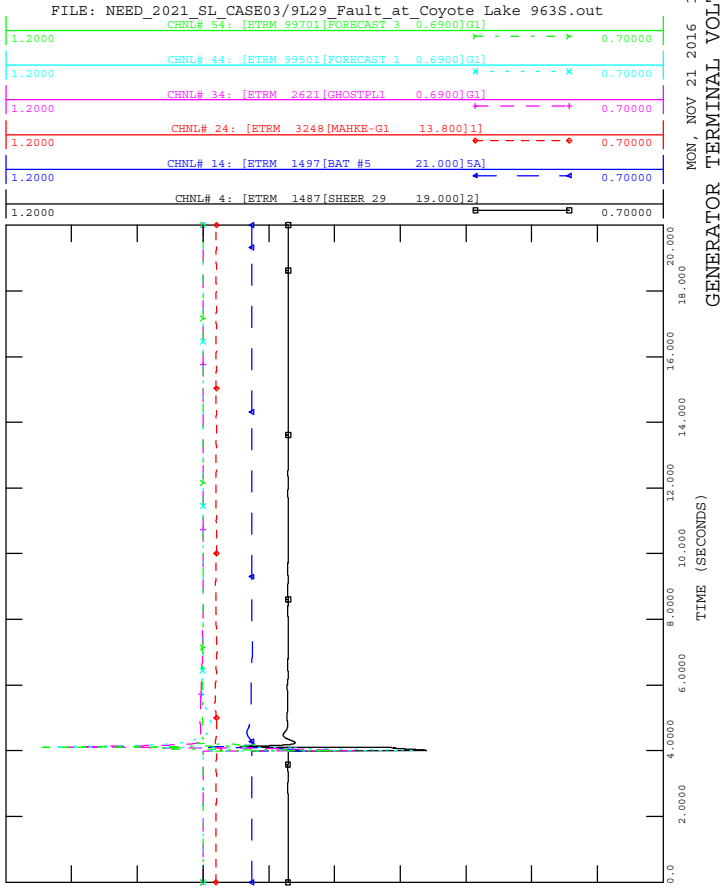
FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

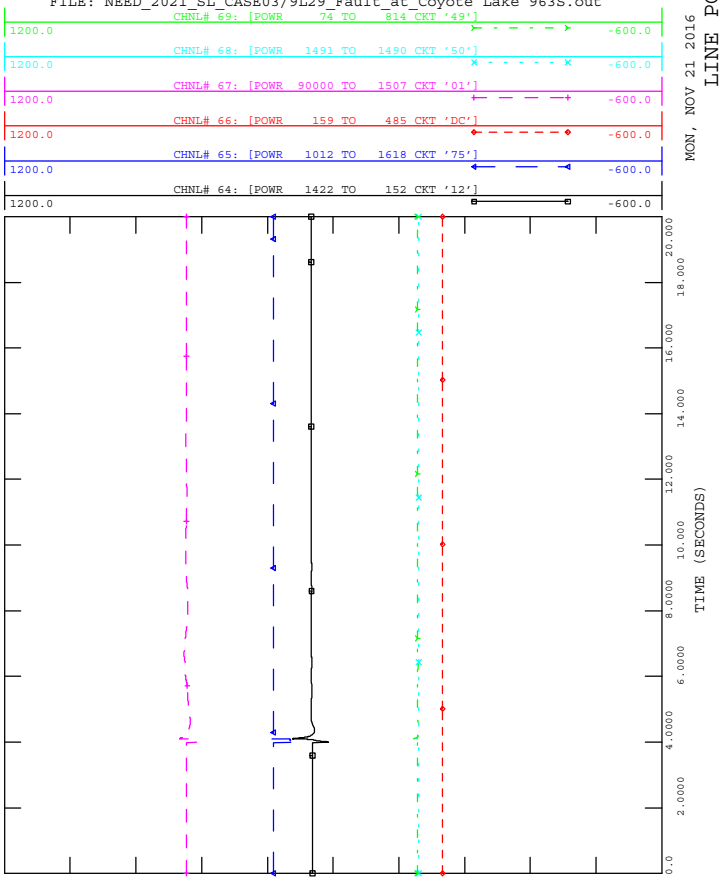
FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

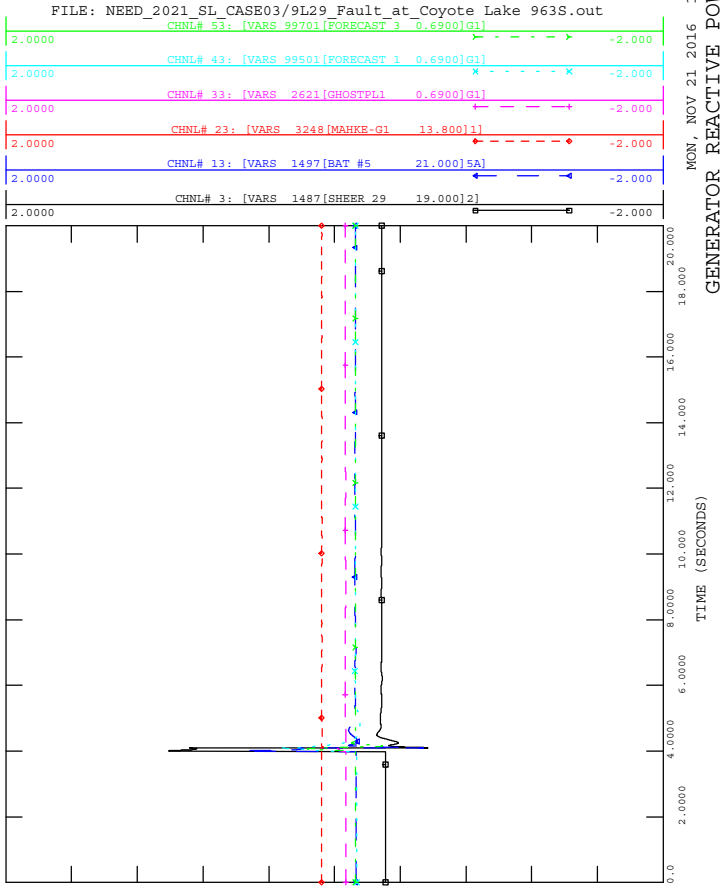
FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

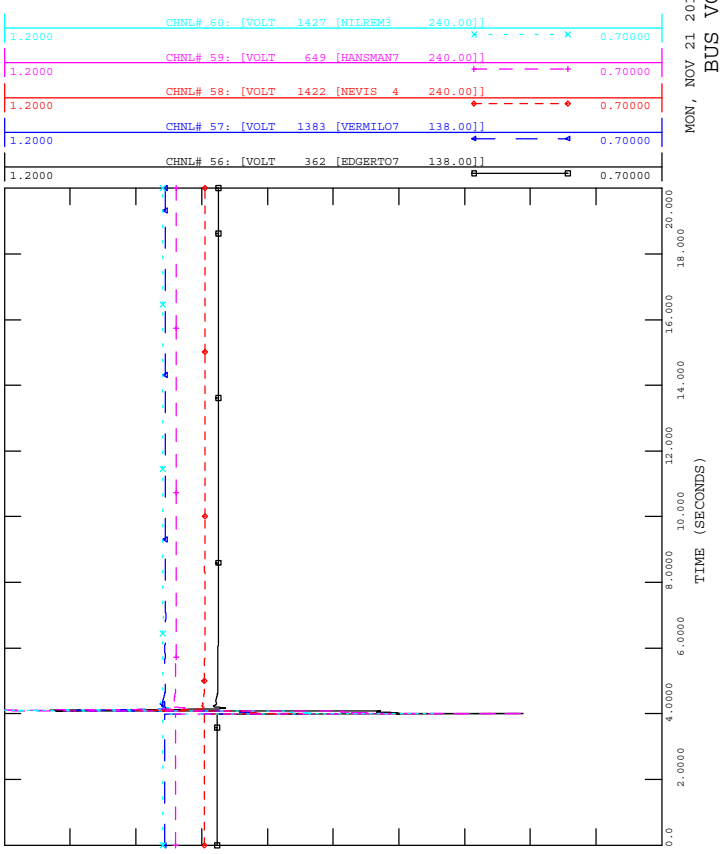
FILE: NEED_2021_SL_CASE03/9L29_Fault_at_Coyote Lake 963S.out



MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

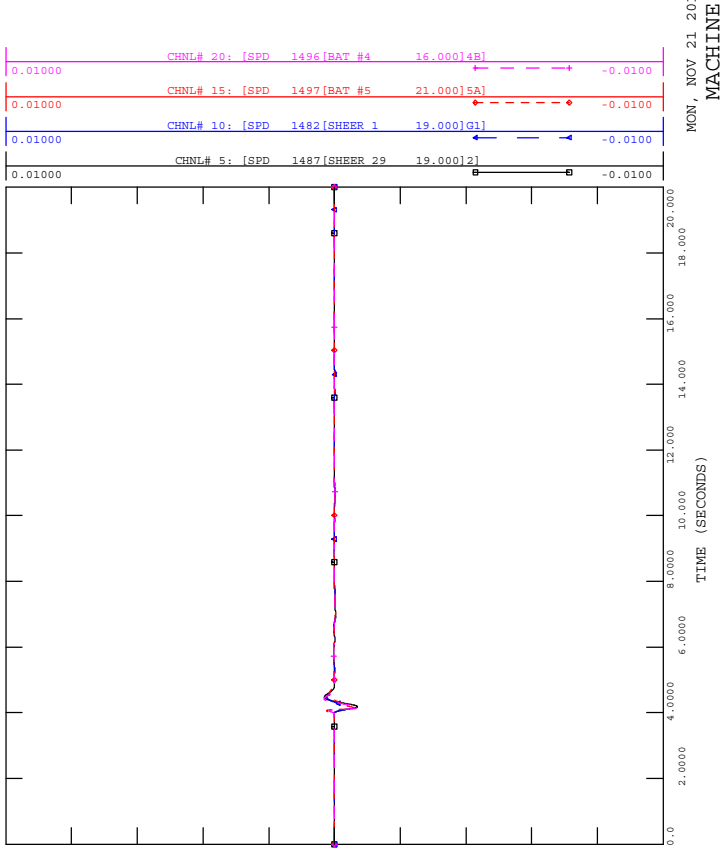
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 12:51
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

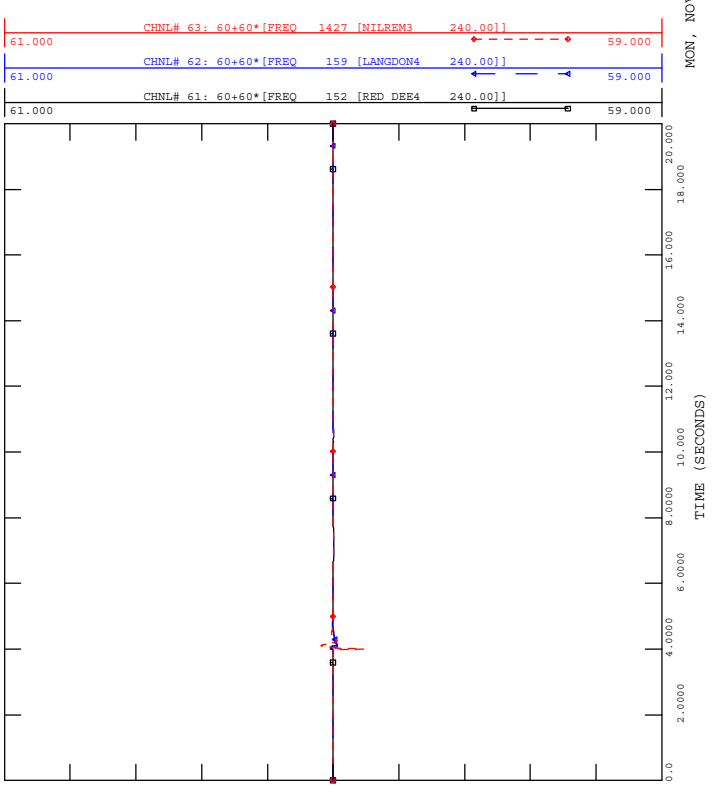
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 12:51
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

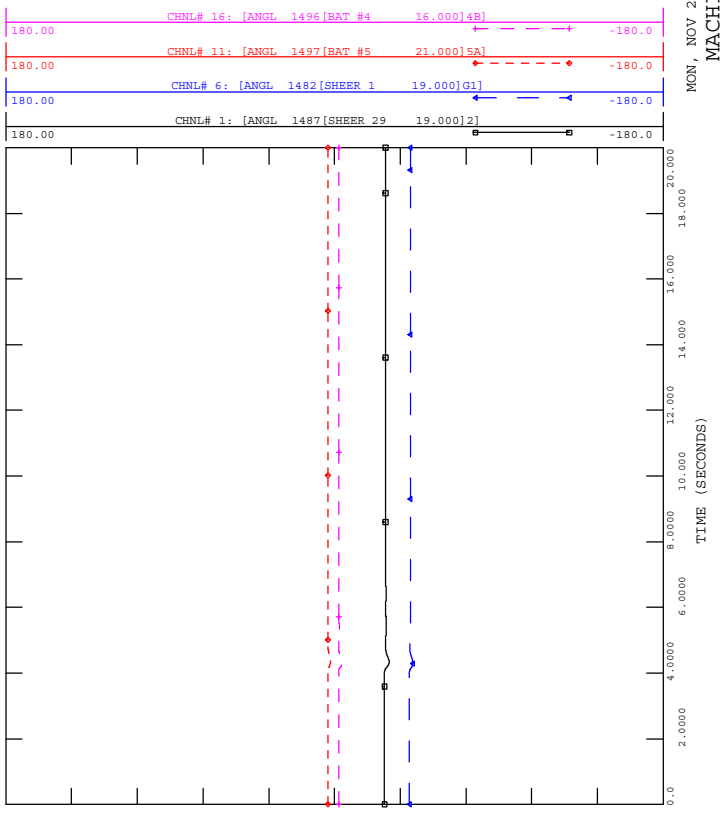
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 12:51
FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

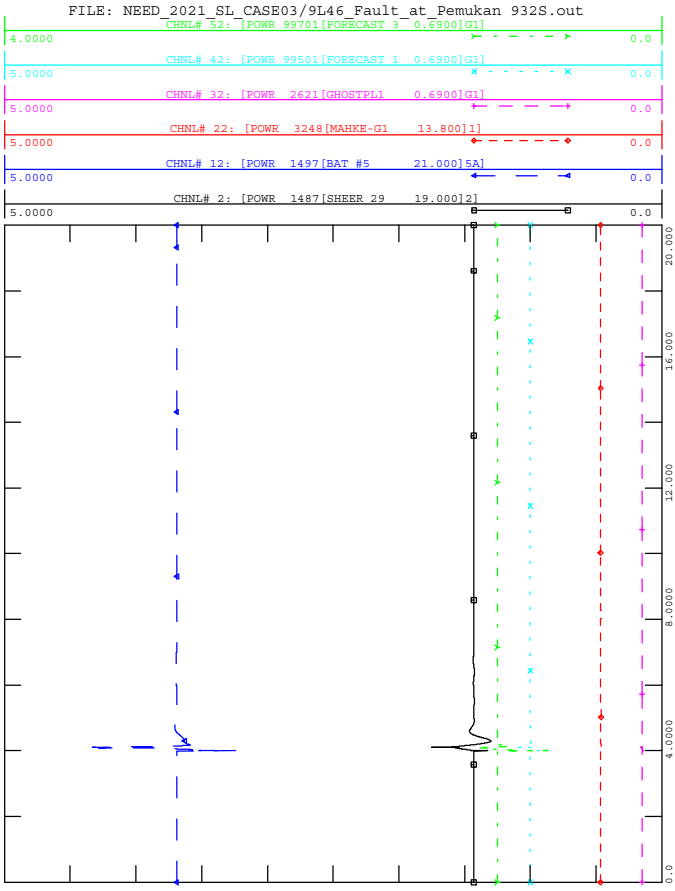
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 12:51
MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out

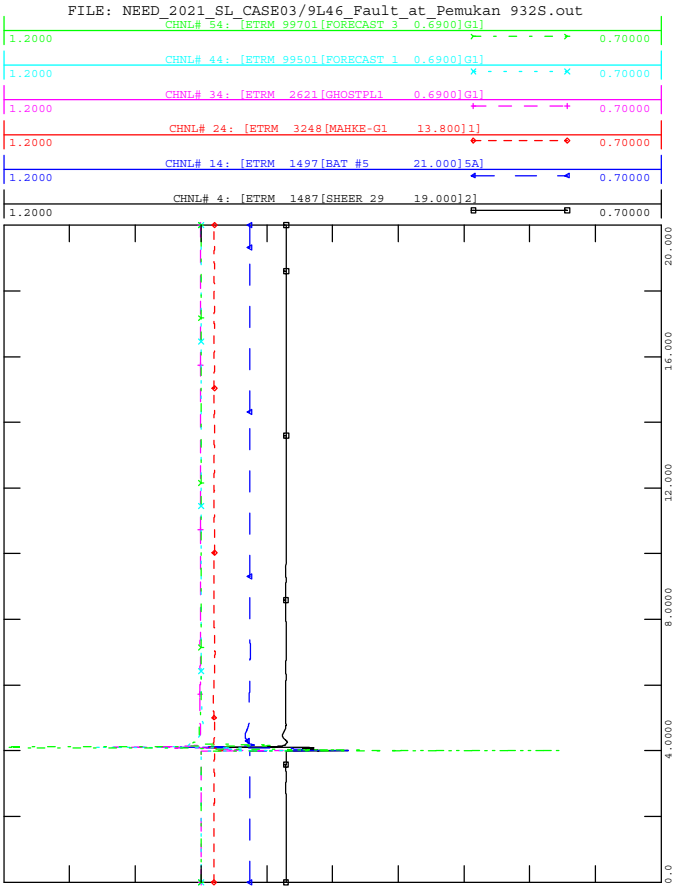


MON, NOV 21 2016 12:51

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out

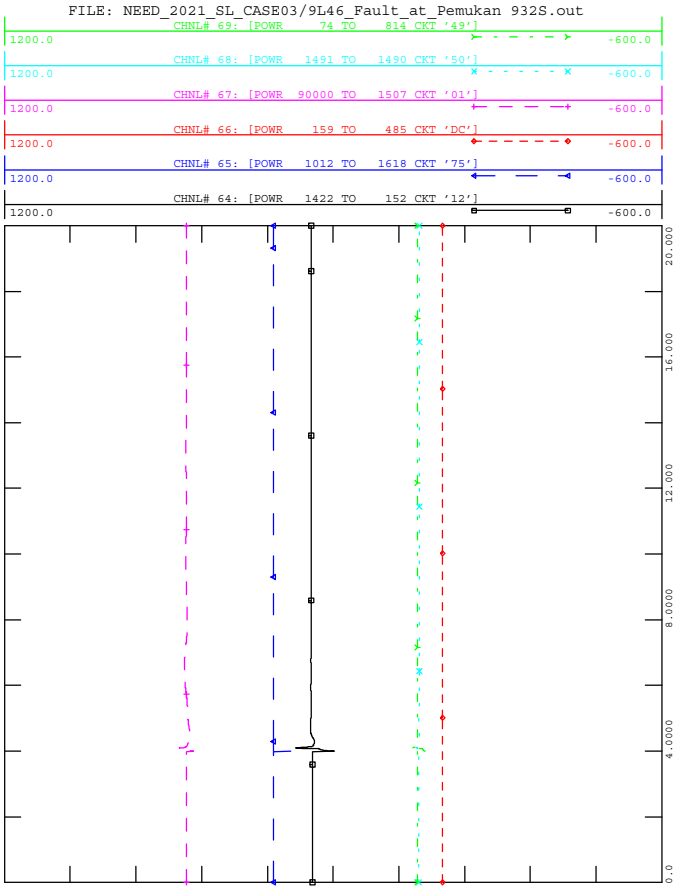


MON, NOV 21 2016 12:51

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out

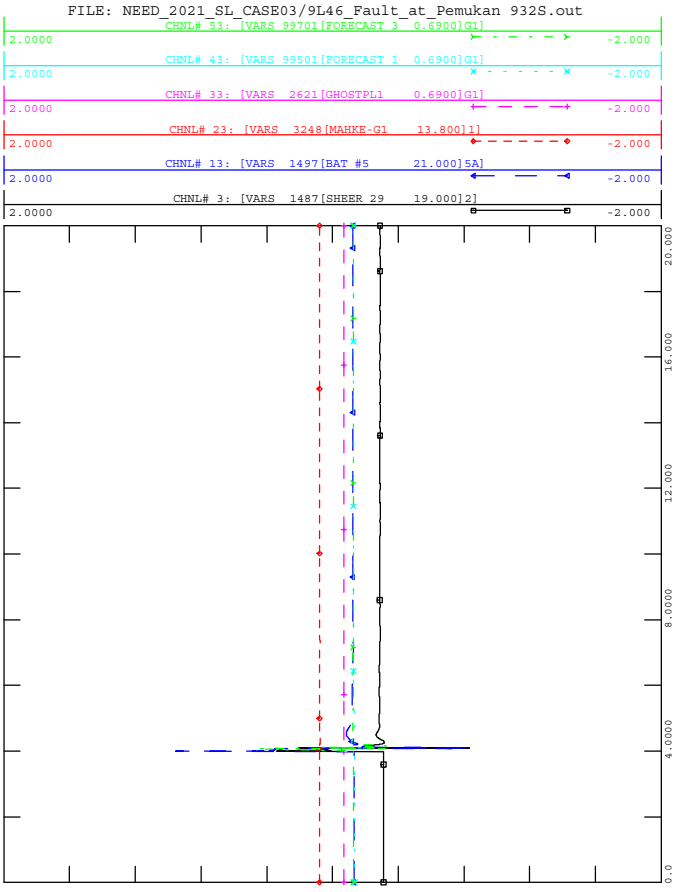


MON, NOV 21 2016 12:51

LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Pemukan 932S.out

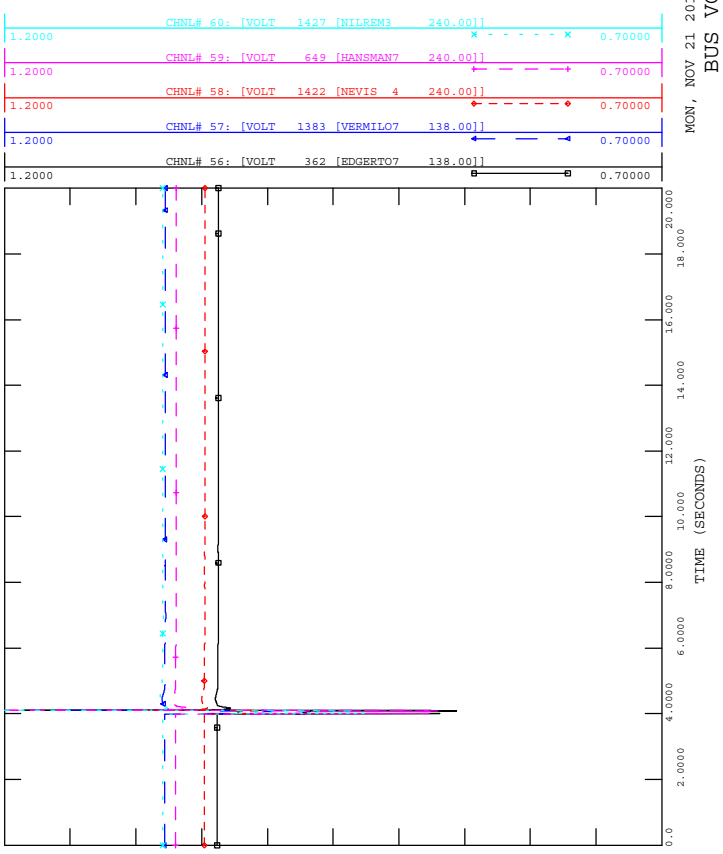


MON, NOV 21 2016 12:51

GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

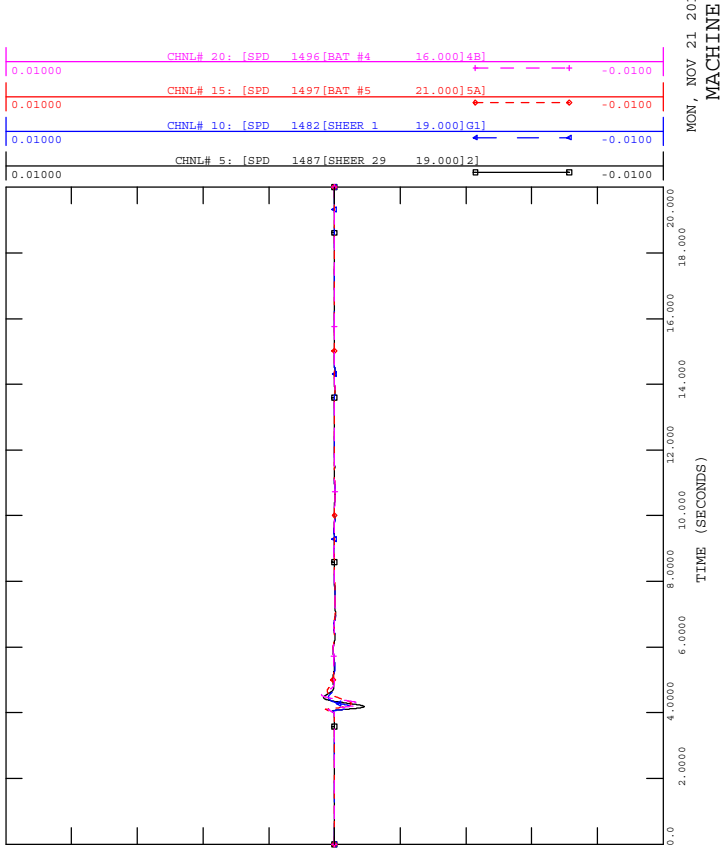
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 12:51
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

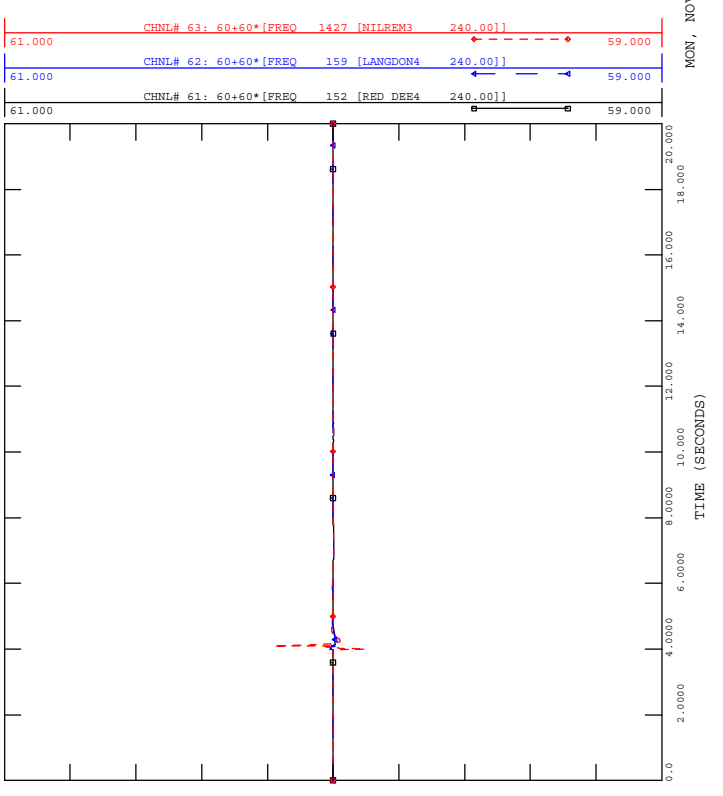
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 12:51
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

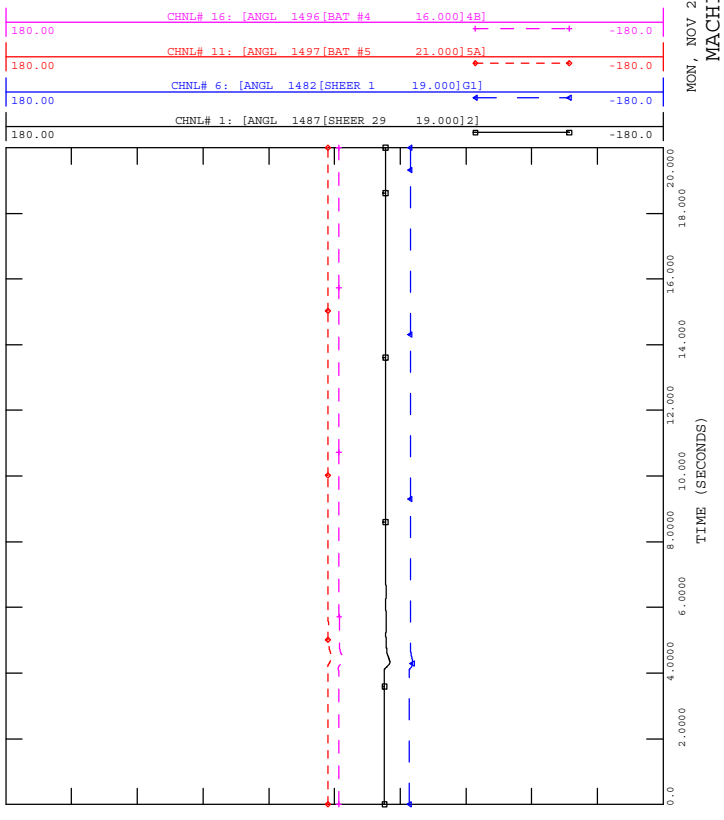
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out



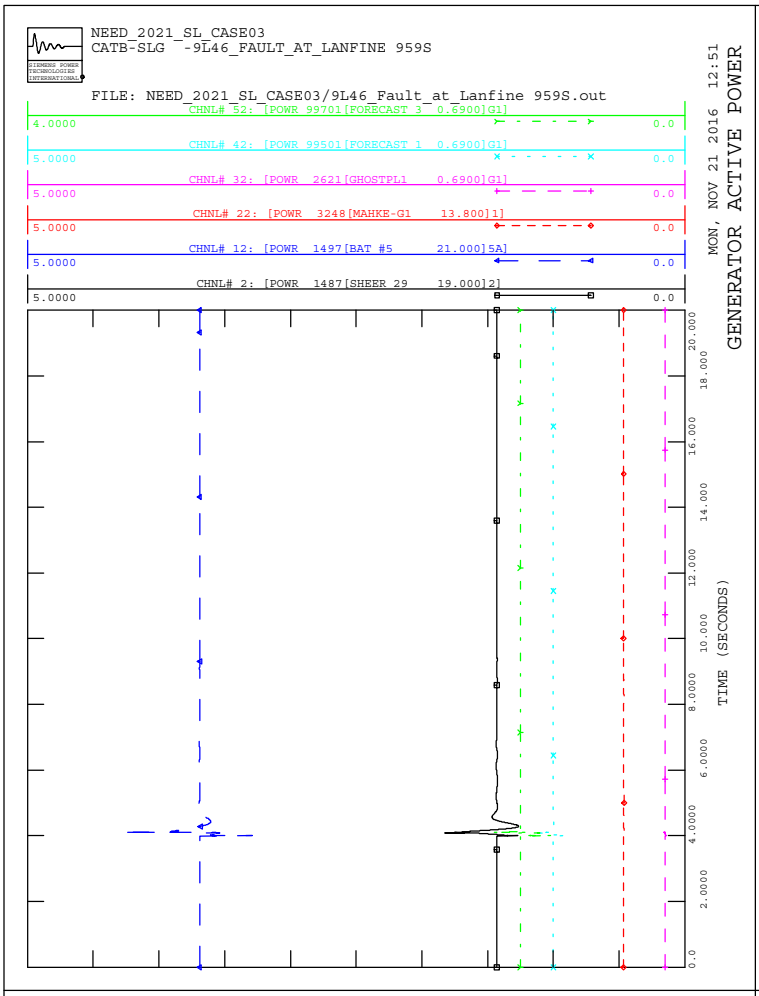
MON, NOV 21 2016 12:51
FREQUENCY

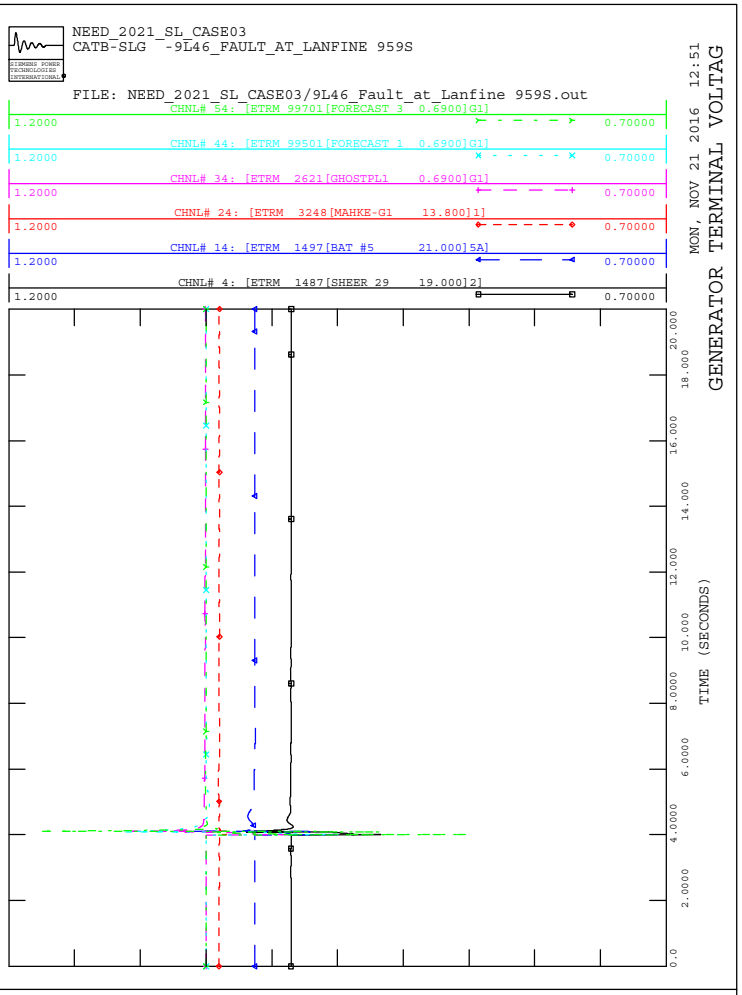
NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 12:51
MACHINE ANGEL


NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
5.0000
5.0000
5.0000
0.0
0.0
0.0
0.0
0.0
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
1.2000
1.2000
1.2000
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1.2000
0.70000
0.70000
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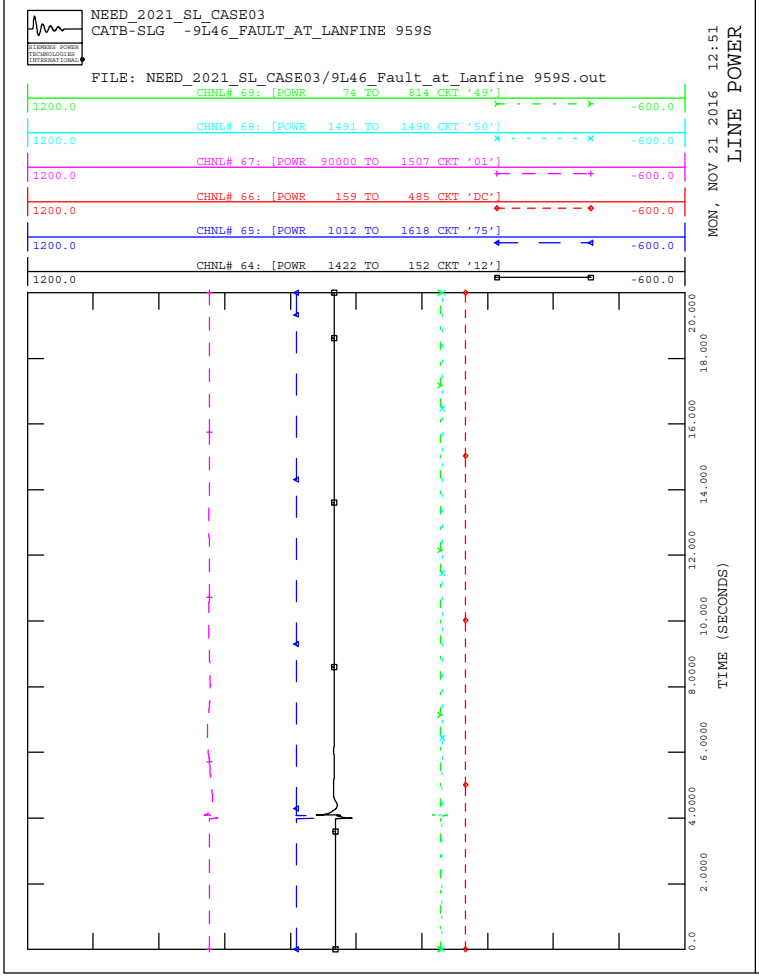
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
1200.0
1200.0
1200.0
1200.0
1200.0
-600.0
-600.0
-600.0
-600.0
-600.0
-600.0
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2.0000
4.0000
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8.0000
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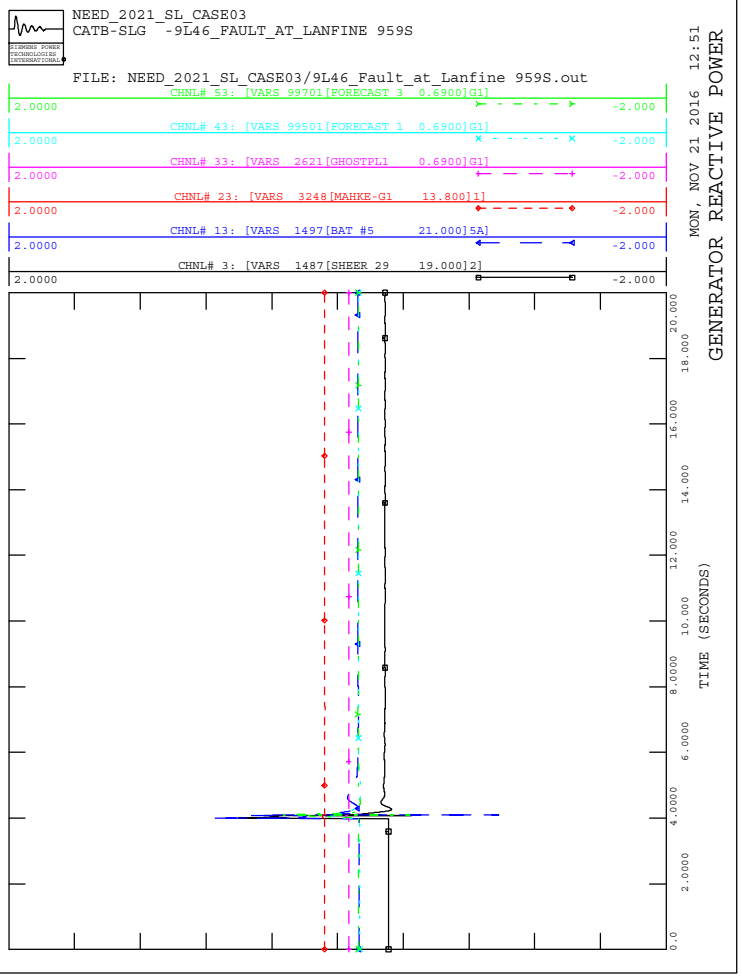
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 12:51
LINE POWER


NEED_2021_SL_CASE03
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: NEED_2021_SL_CASE03/9L46_Fault_at_Lanfine 959S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
2.0000
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2.0000
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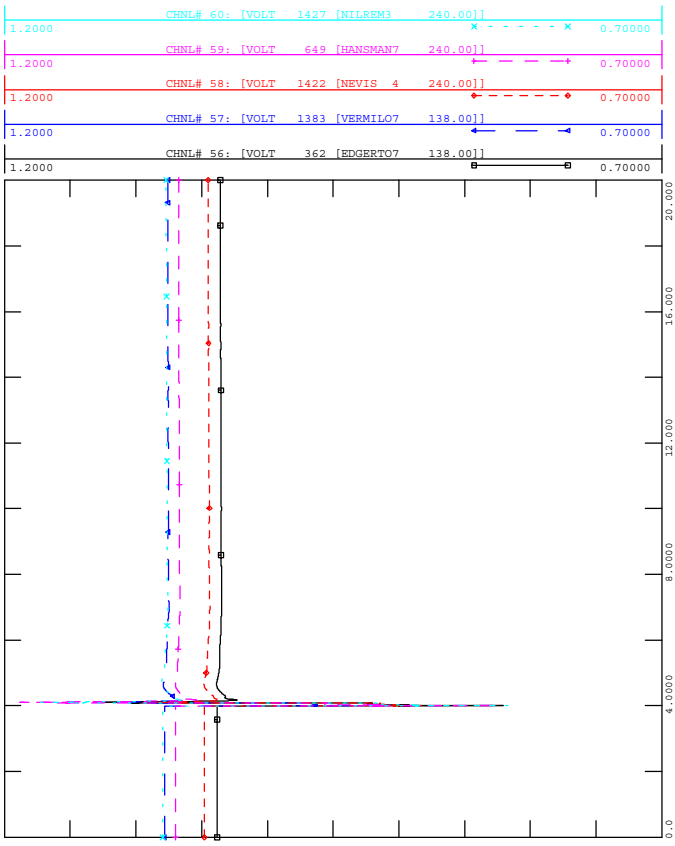
20.000
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

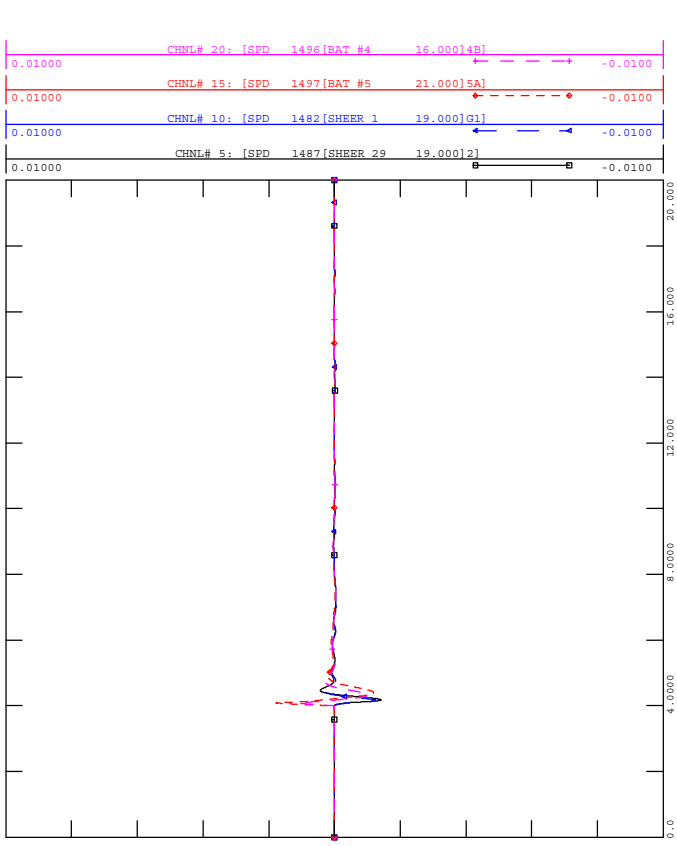


NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

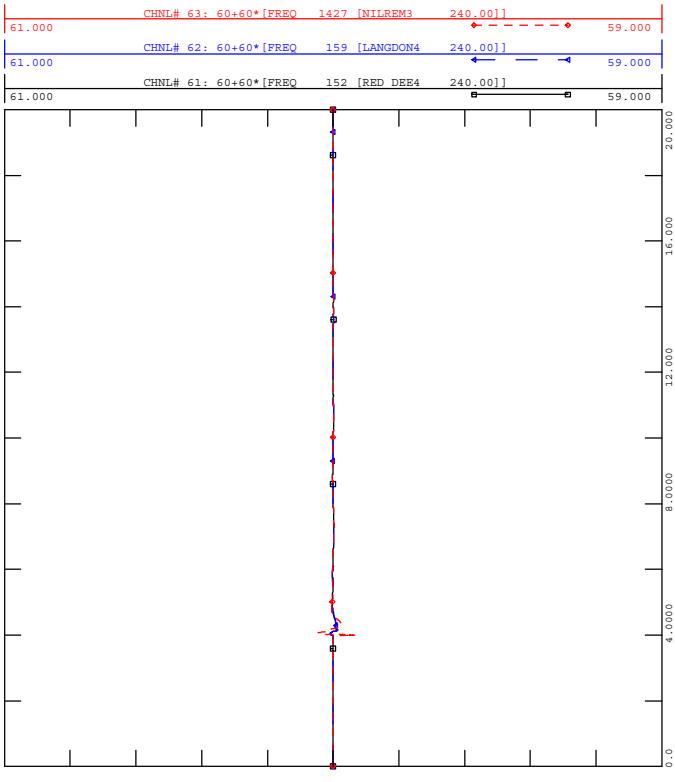


NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 12:51

FREQUENCY

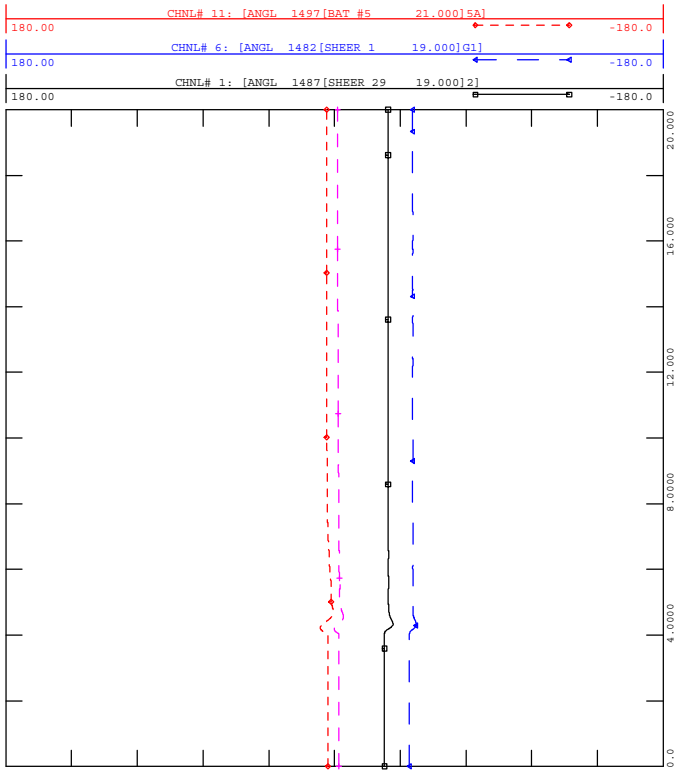


NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out

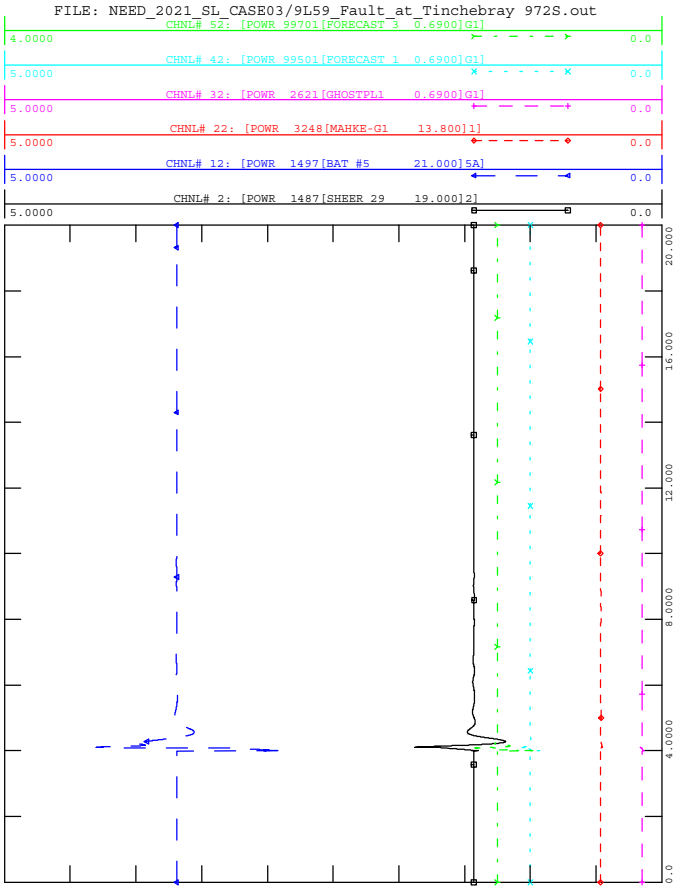
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

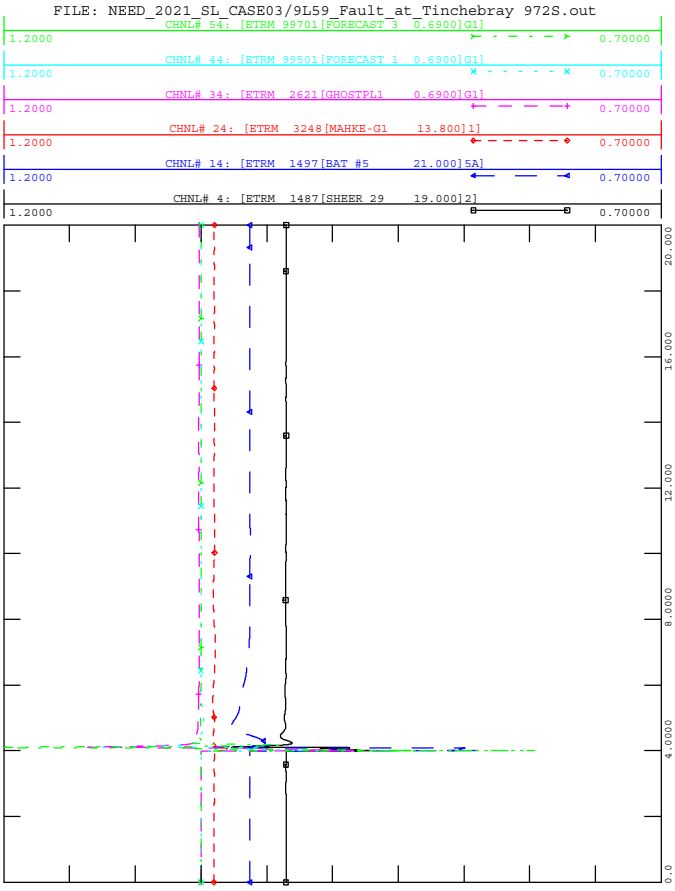
FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

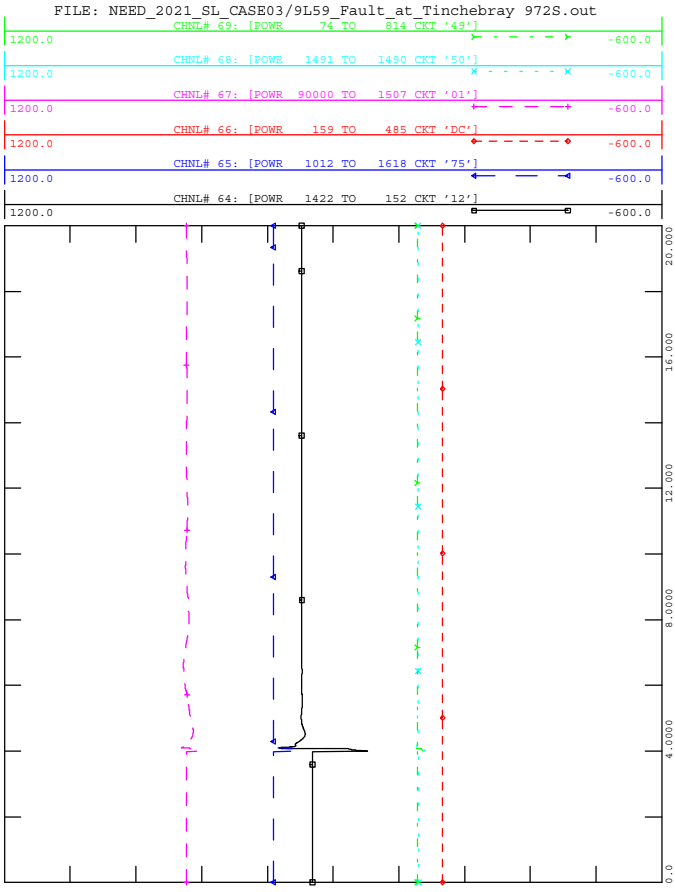
FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

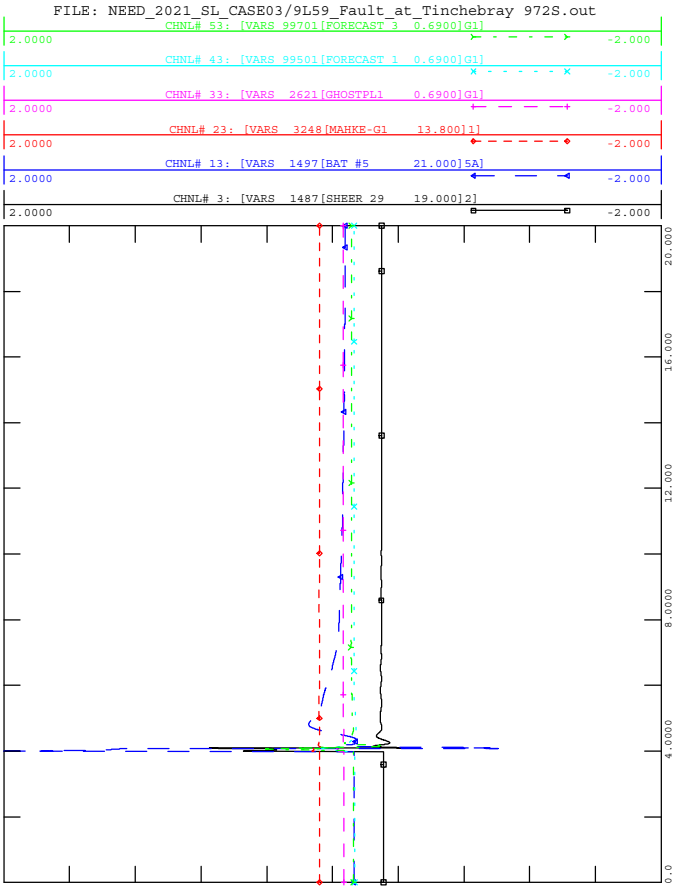
FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Tinchebray 972S.out



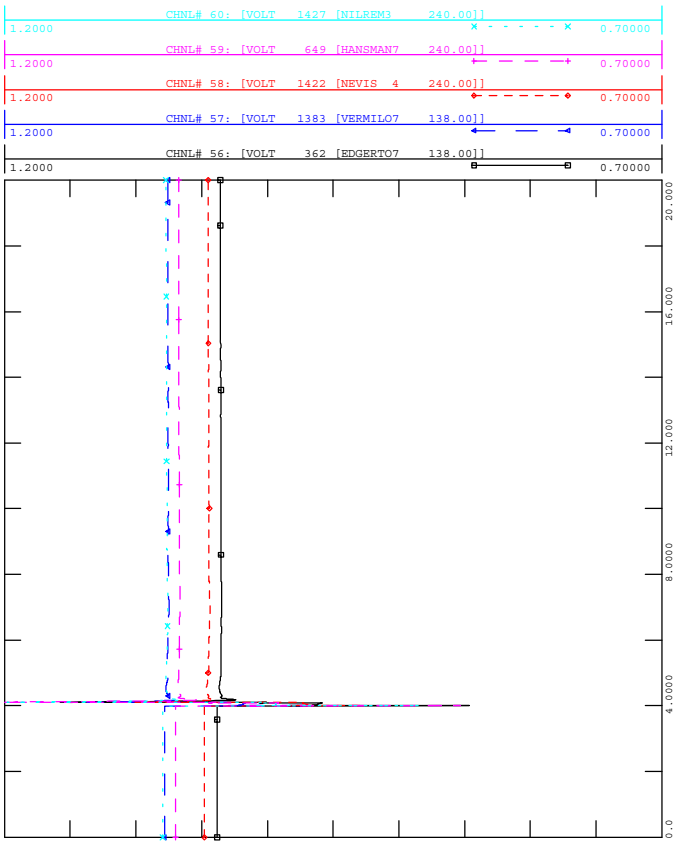
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

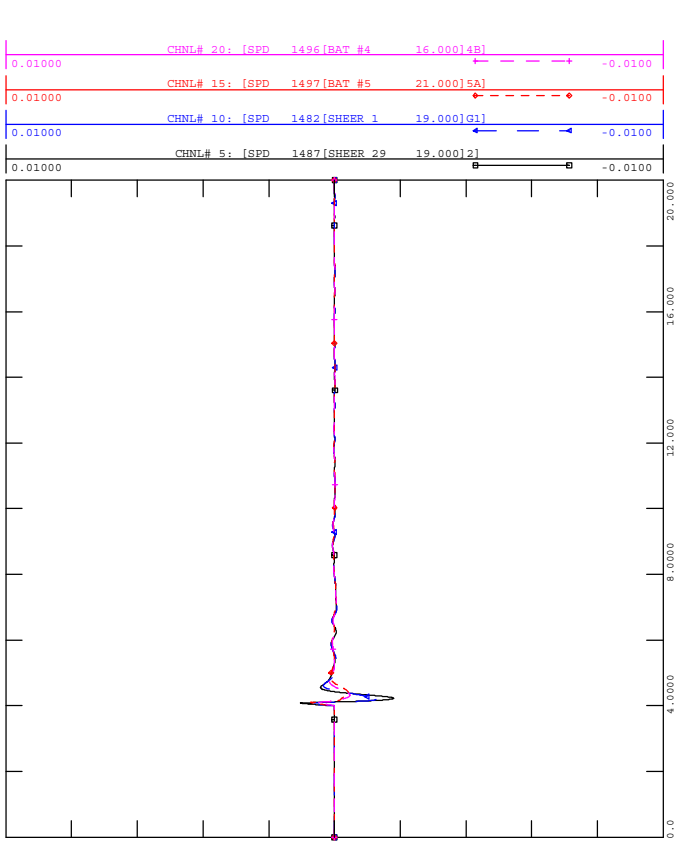


NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

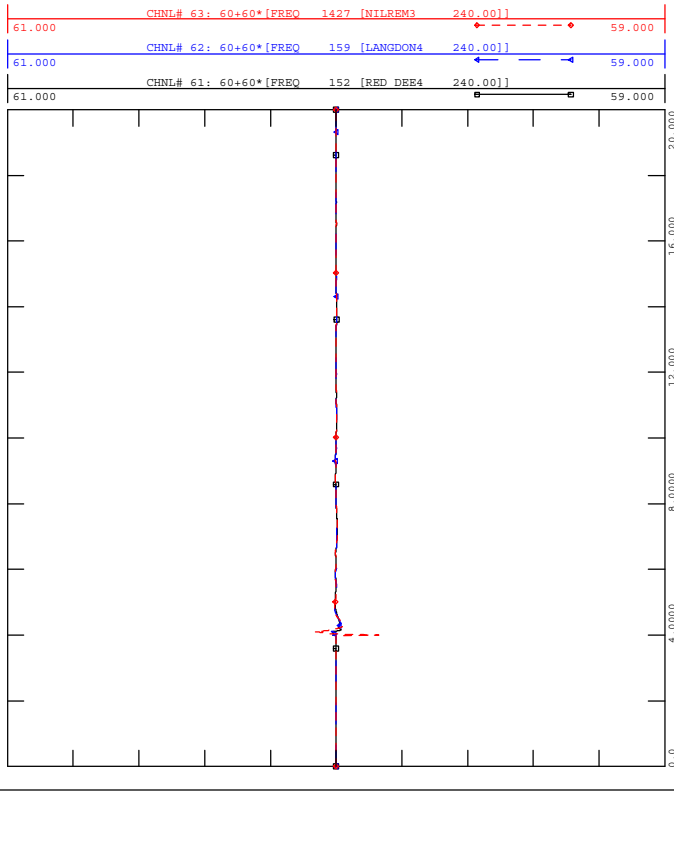


NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out

MON, NOV 21 2016 12:51

FREQUENCY

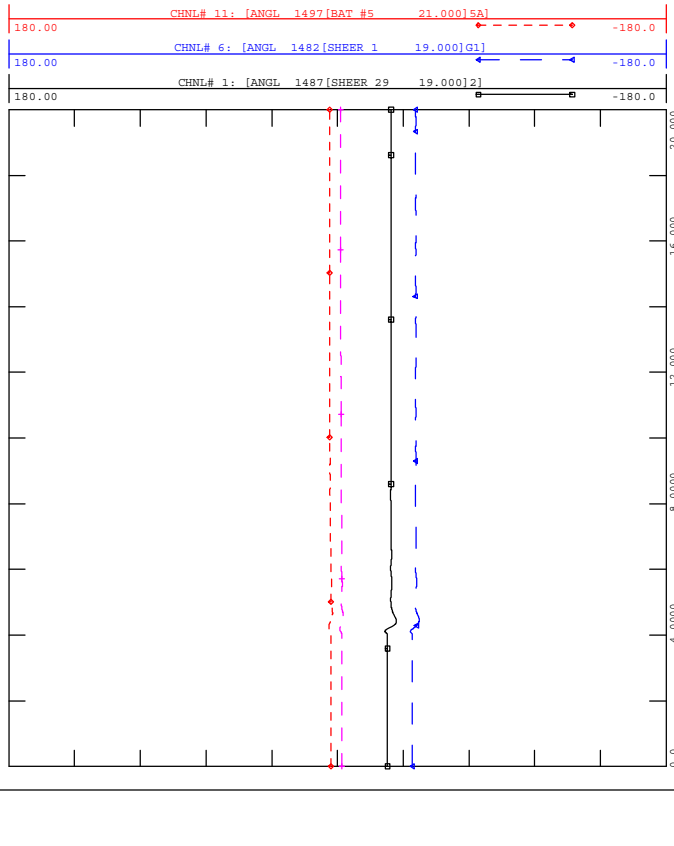


NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out

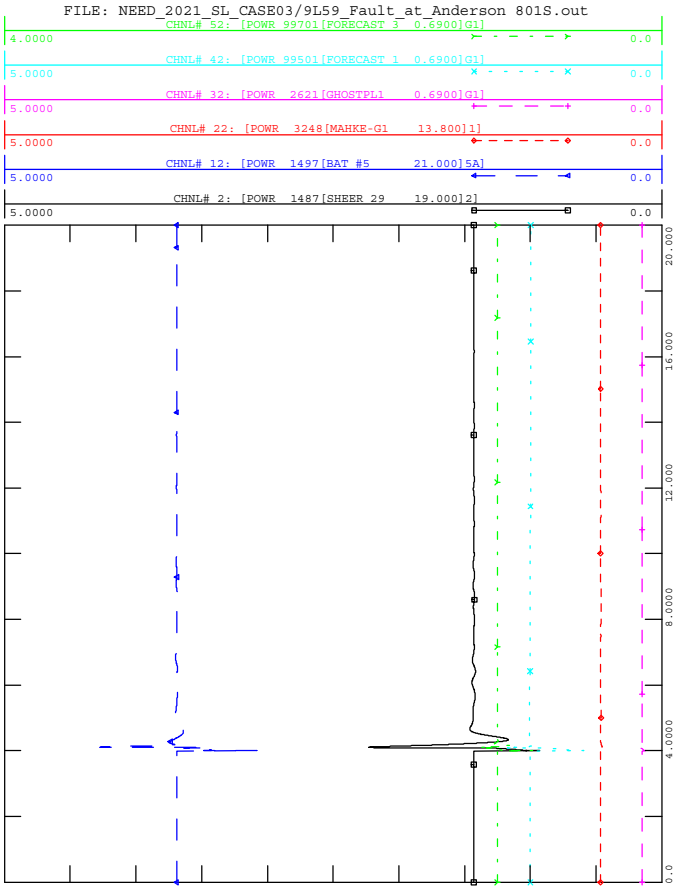
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

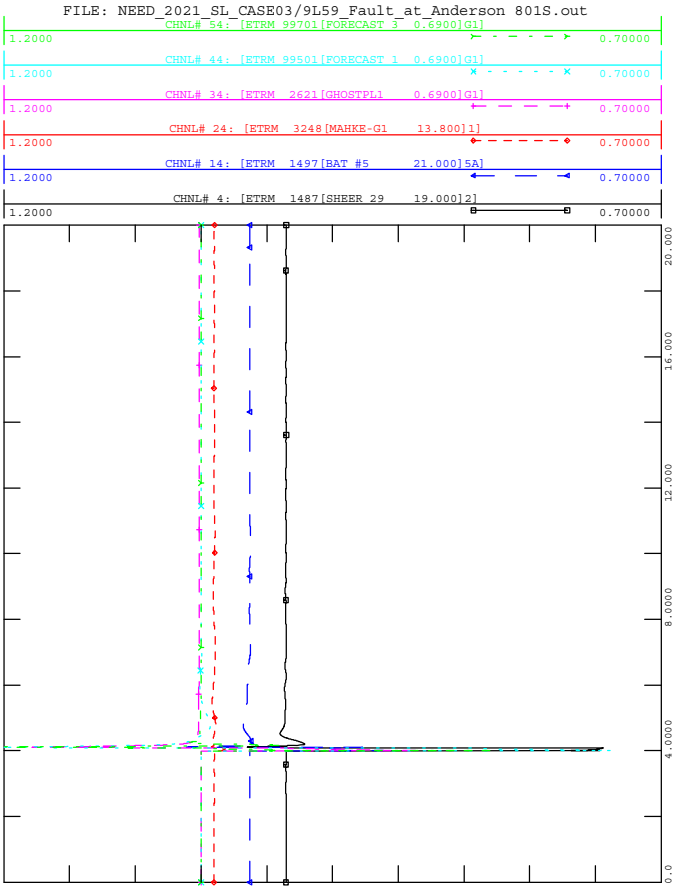
FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

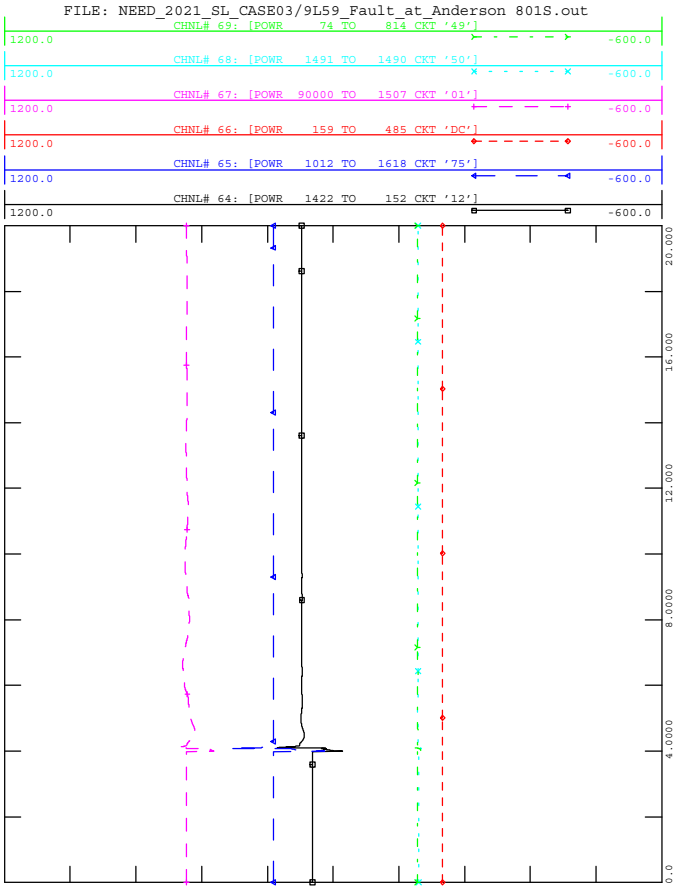
FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

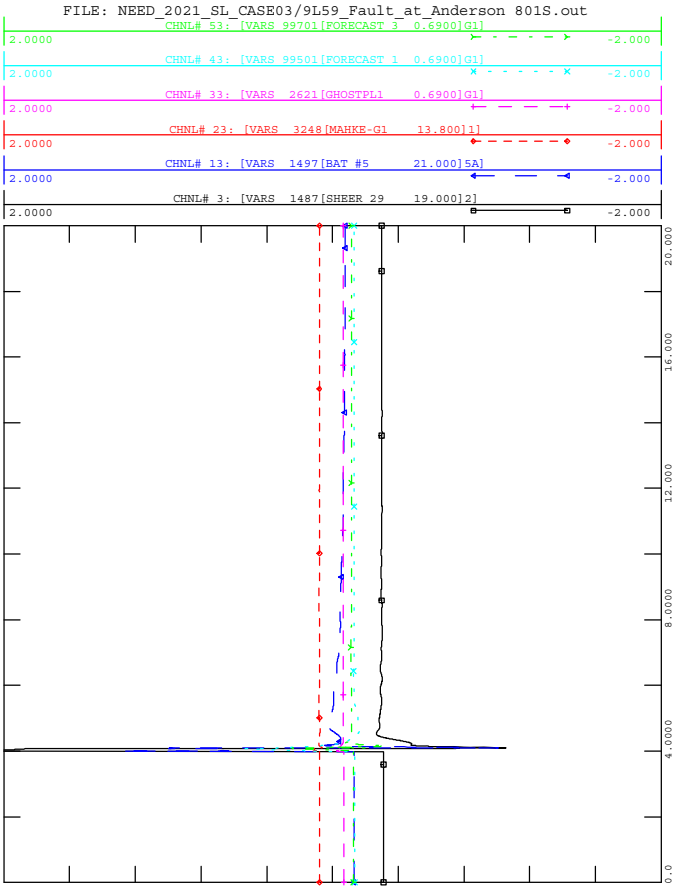
FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

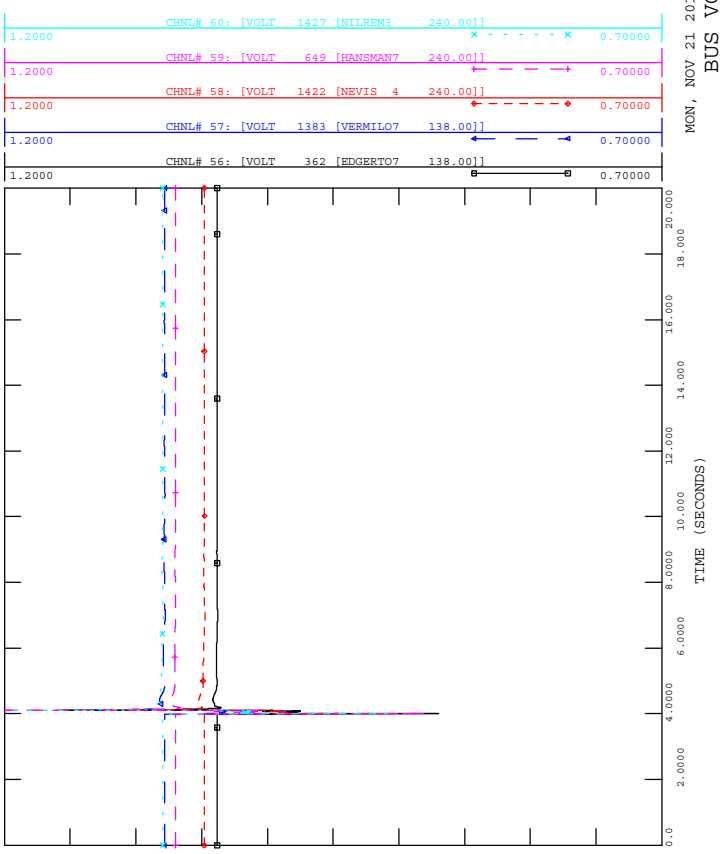
FILE: NEED_2021_SL_CASE03/9L59_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

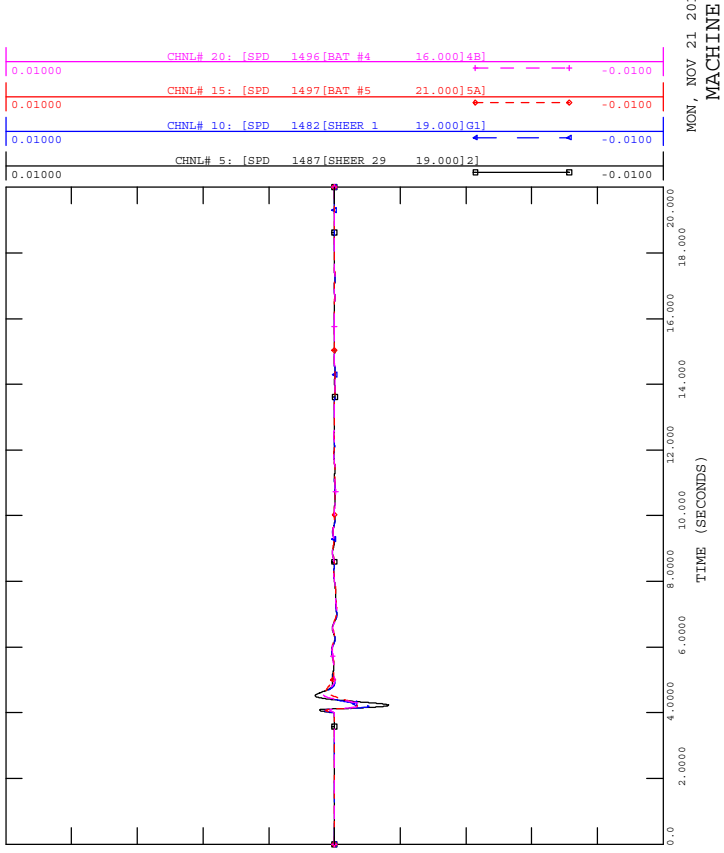
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



MON, NOV 21 2016 12:51
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

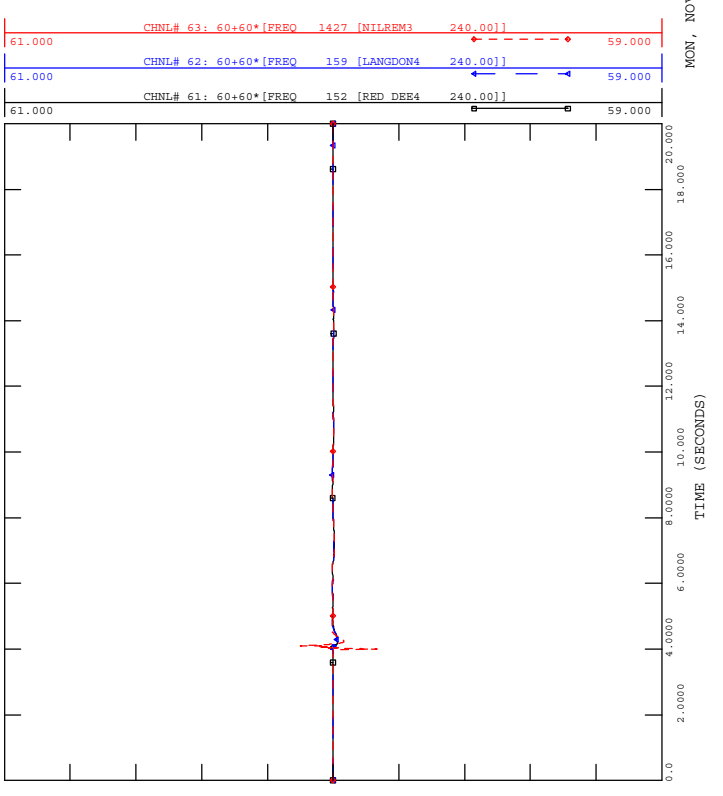
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



MON, NOV 21 2016 12:51
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

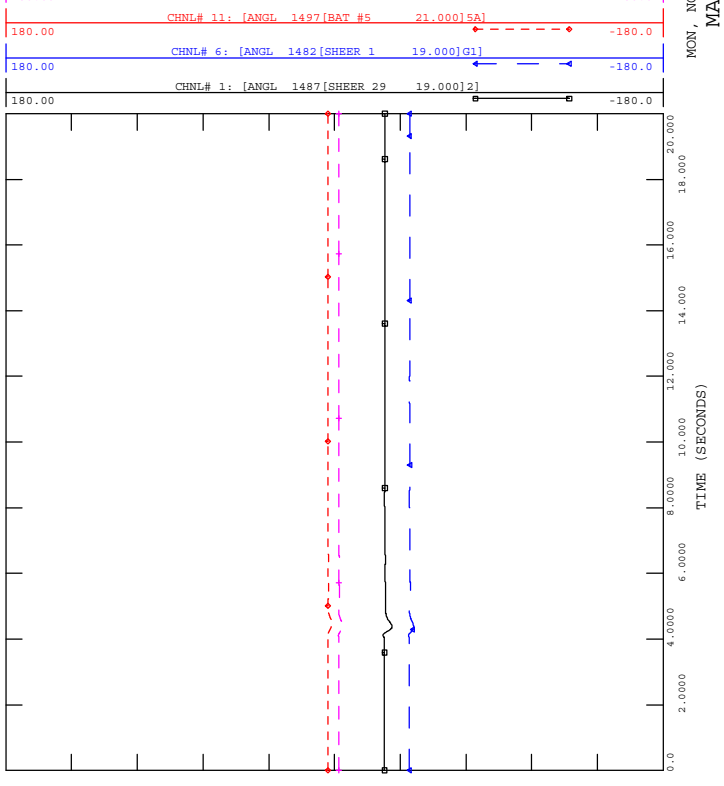
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



MON, NOV 21 2016 12:51
FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

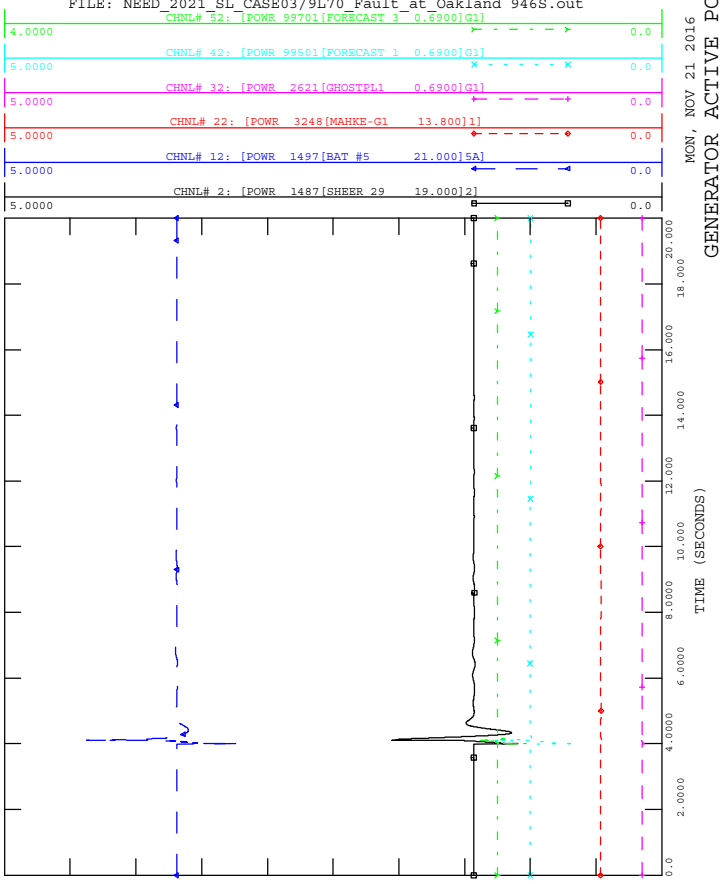
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



MON, NOV 21 2016 12:51
MACHINE ANGEL

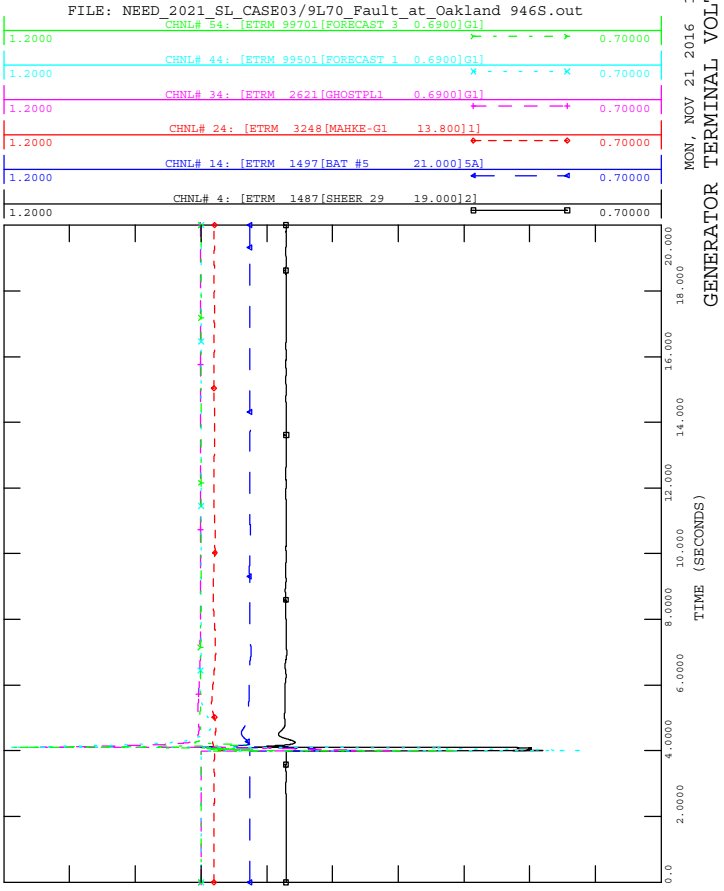
NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Oakland 946S.out



NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

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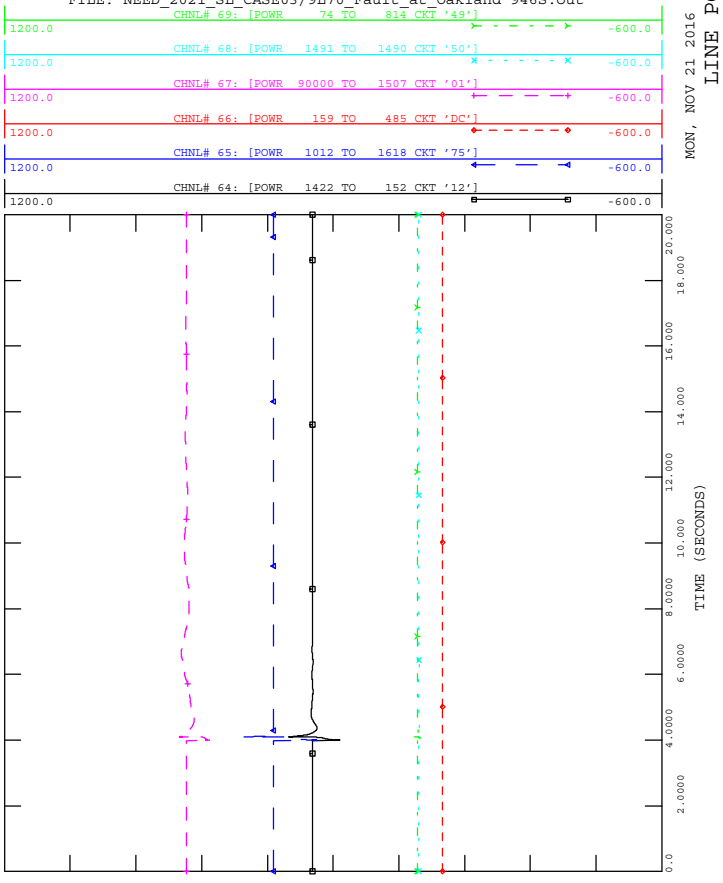

NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

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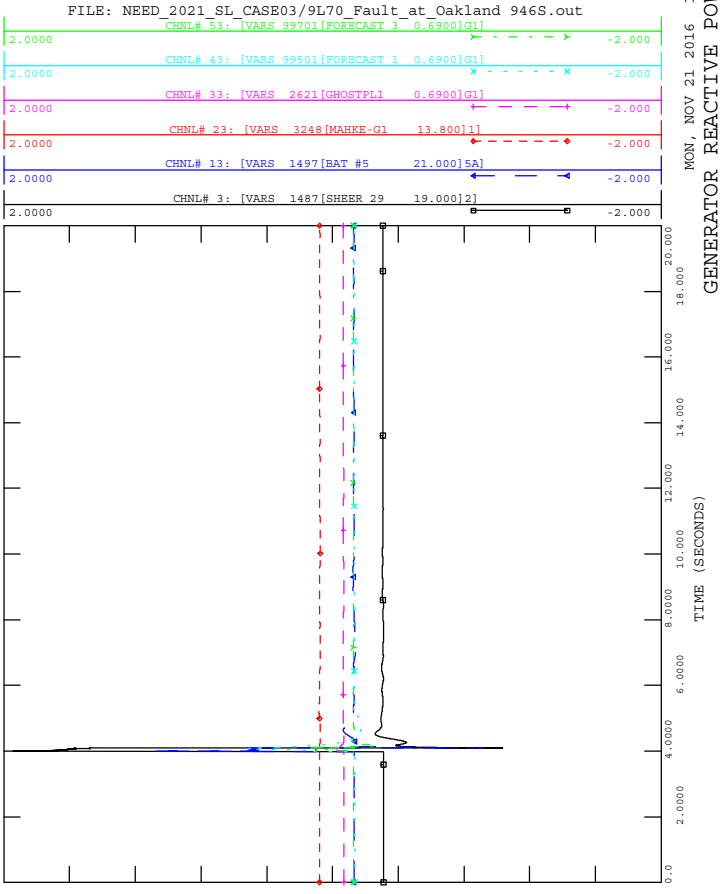
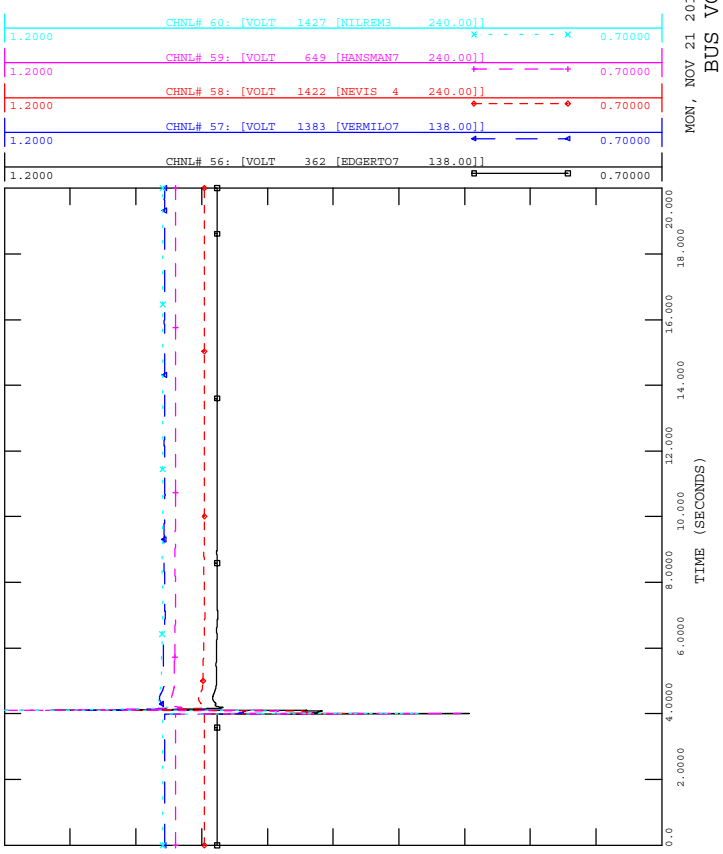


NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

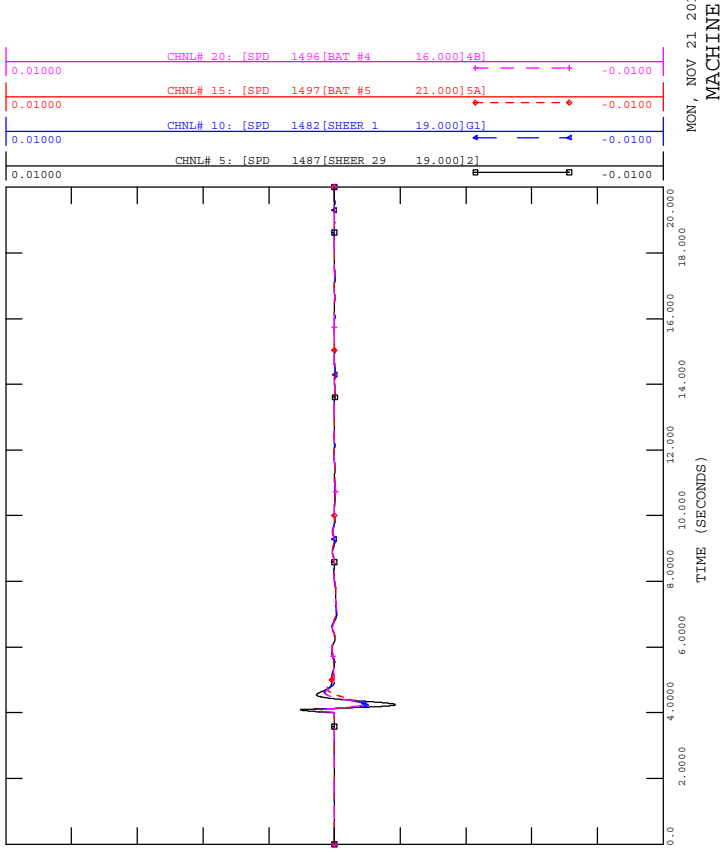
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:51
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

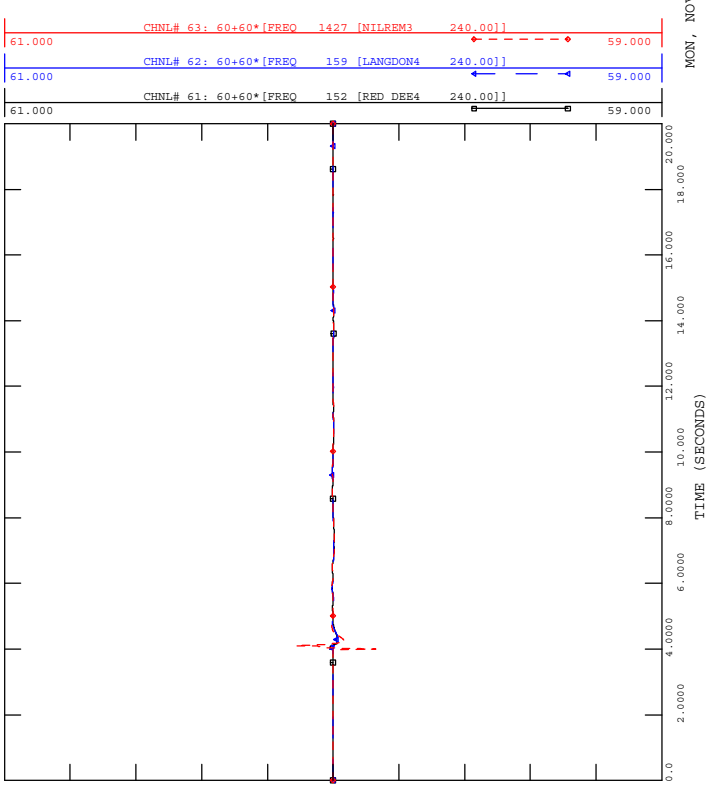
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:51
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

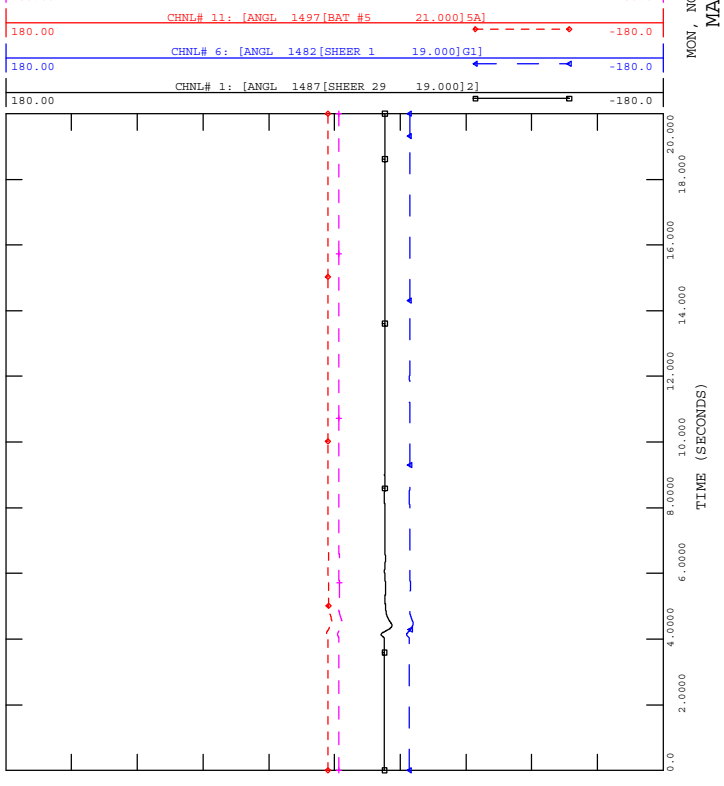
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:51
FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

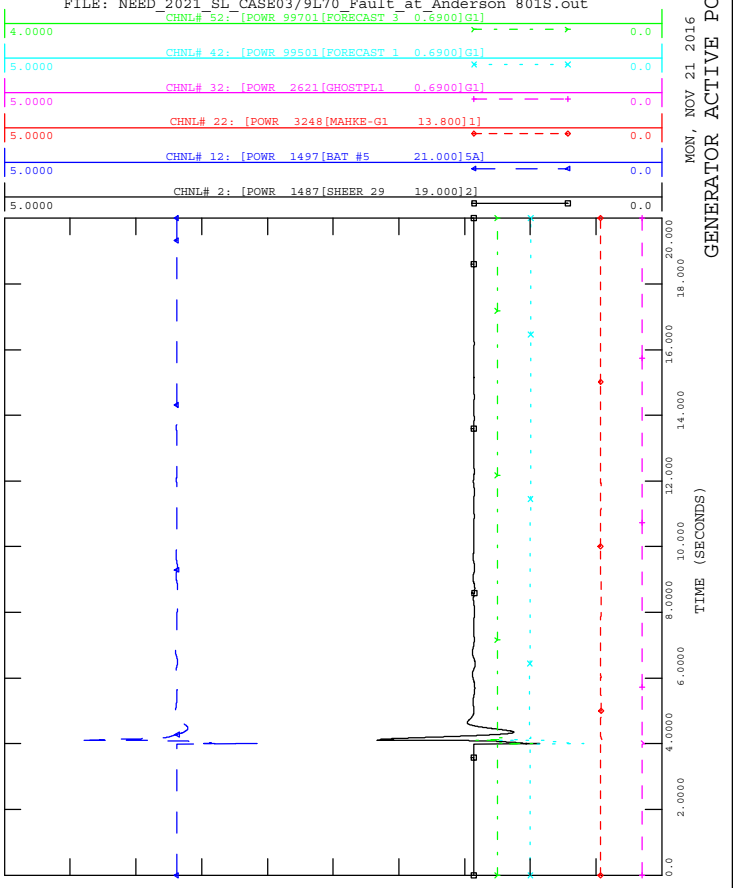
FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:51
MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L70_Fault_at_Anderson 801S.out



NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

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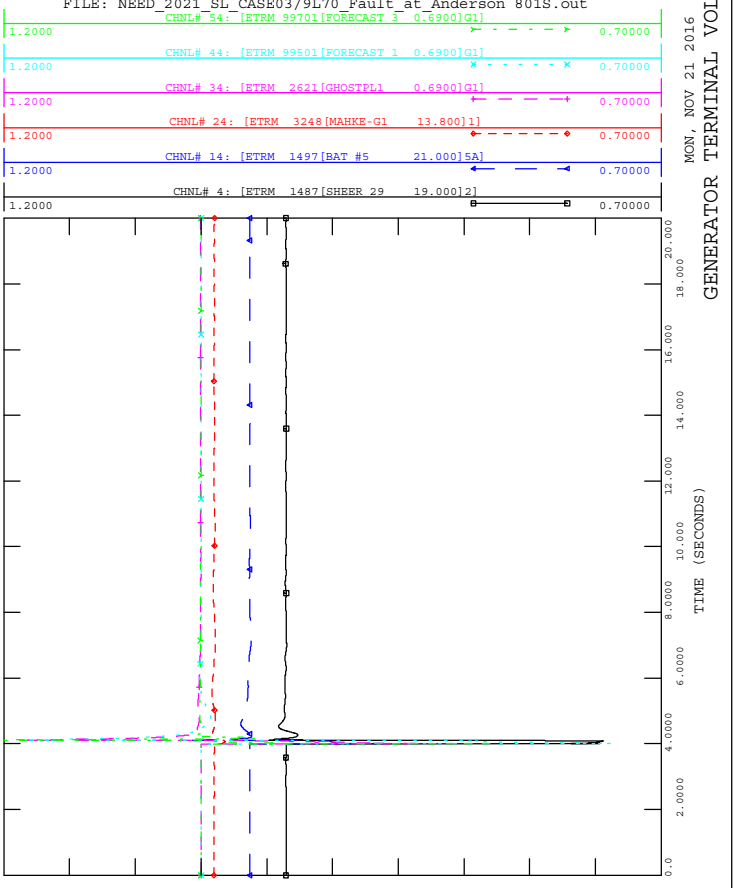

NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

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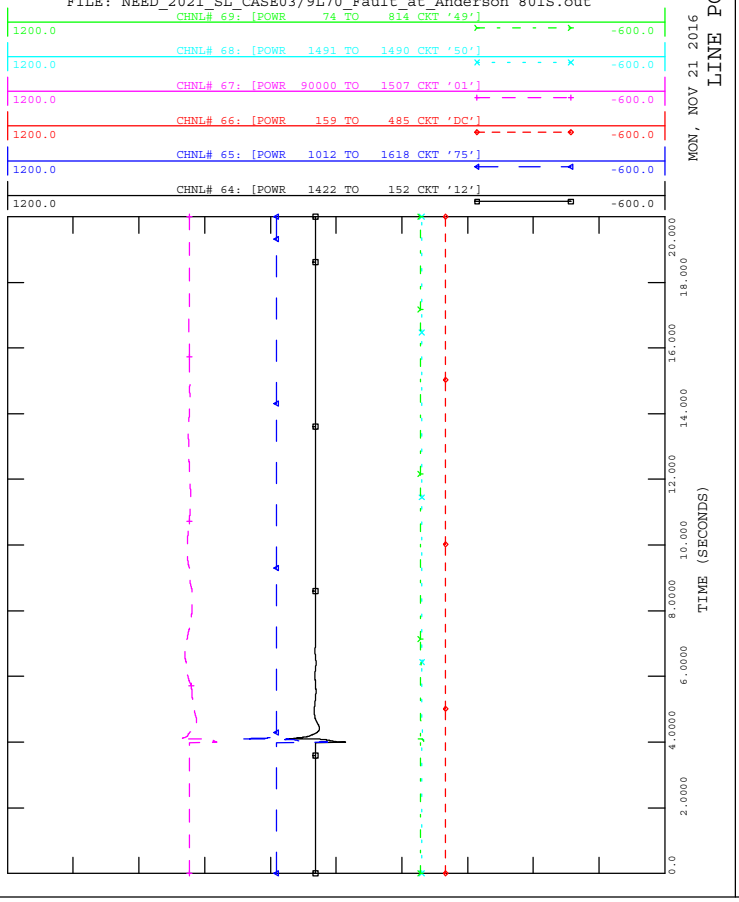

NEED_2021_SL_CASE03
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

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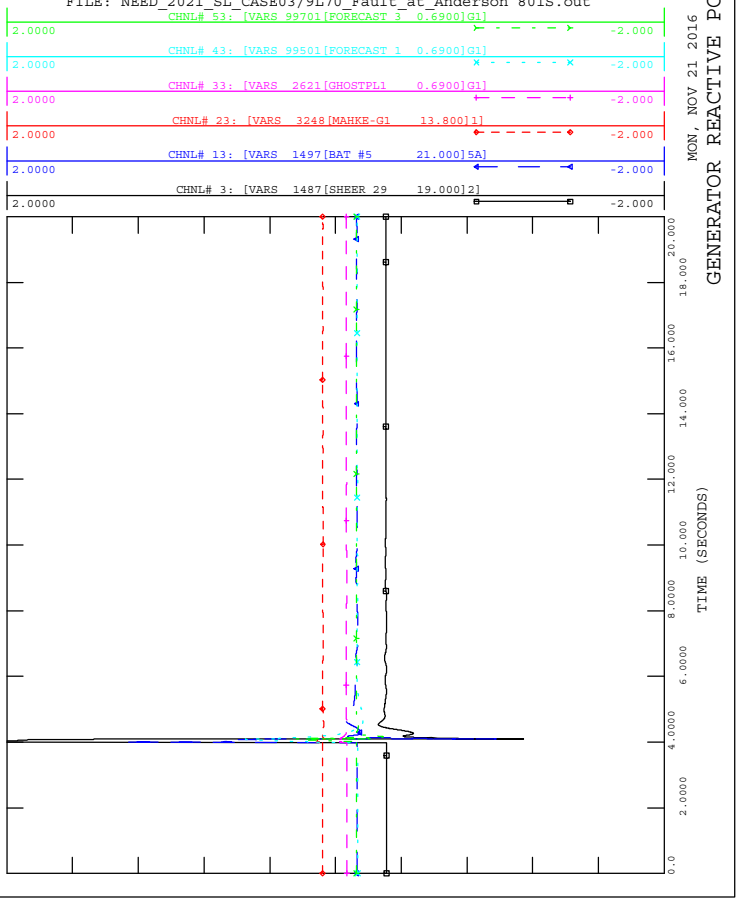

NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out

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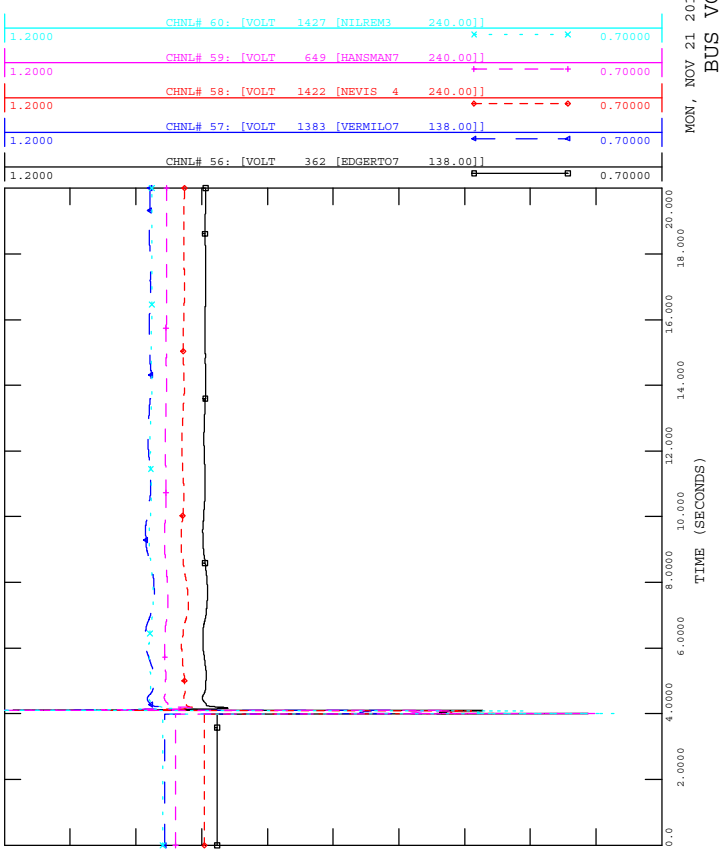
BUS VOLTAGE

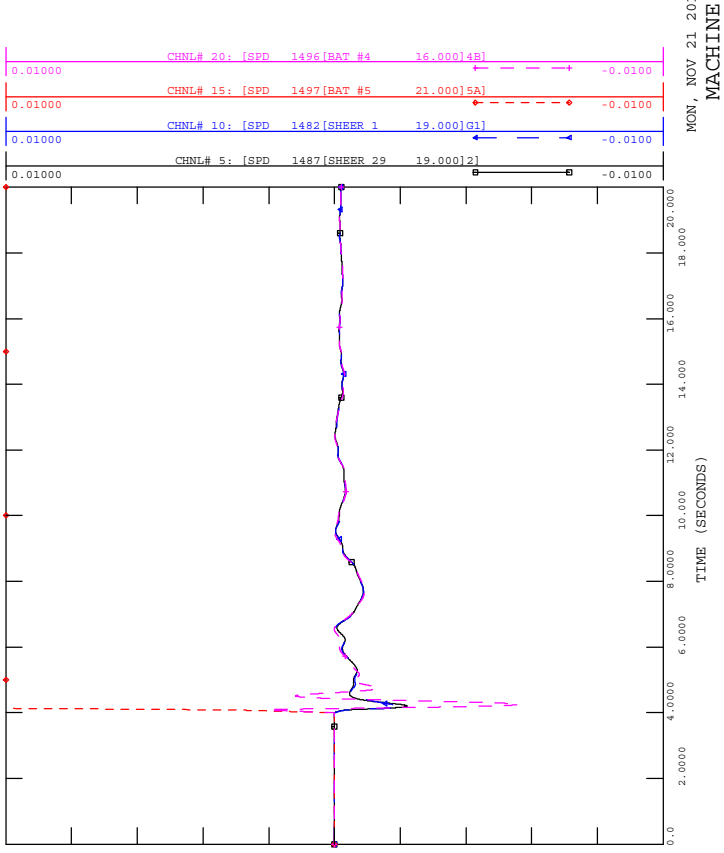


NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

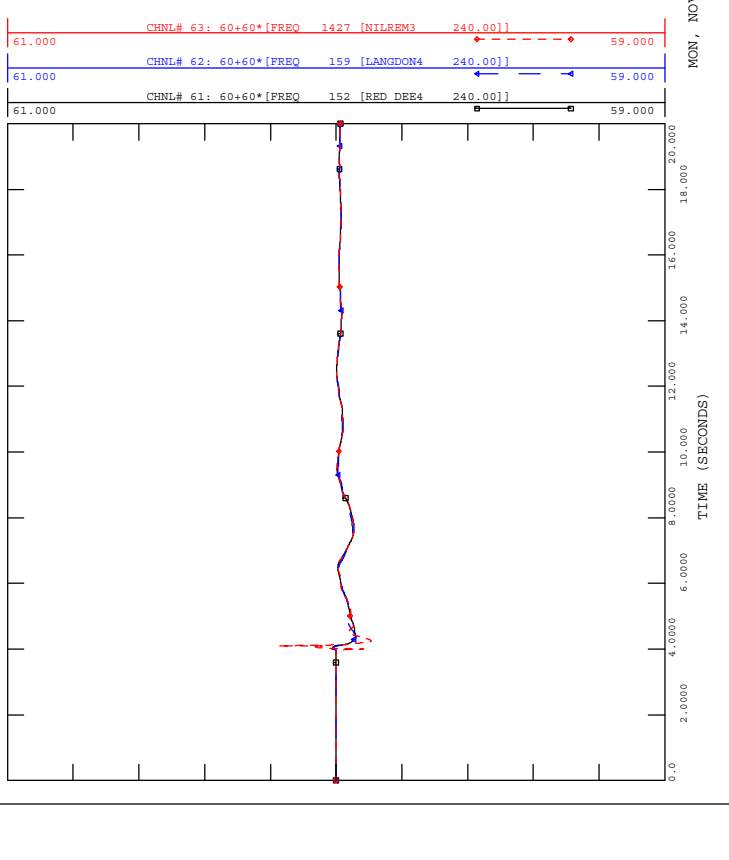


NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:51

FREQUENCY

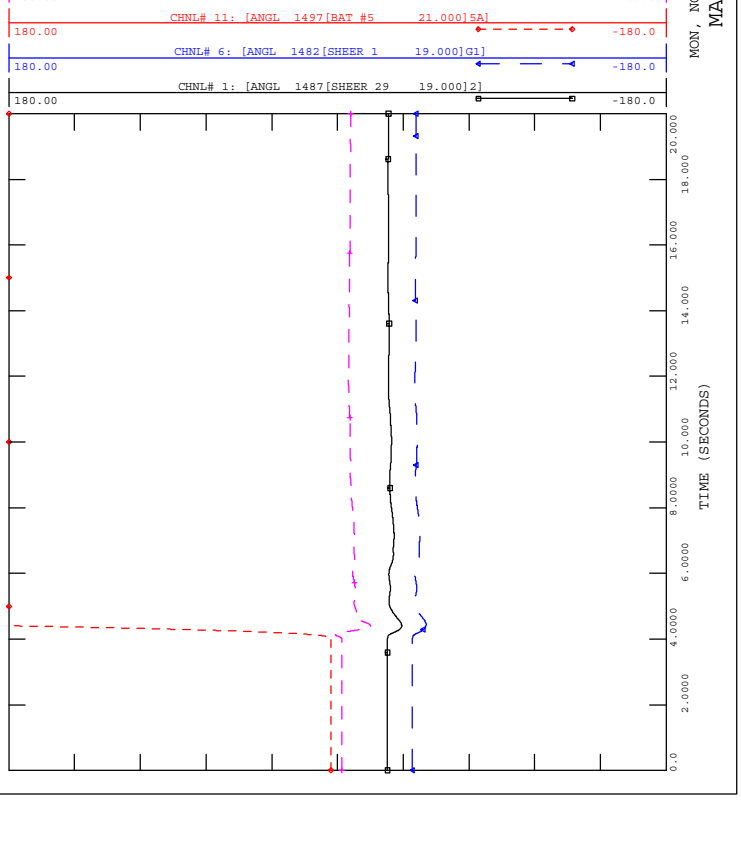


NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out

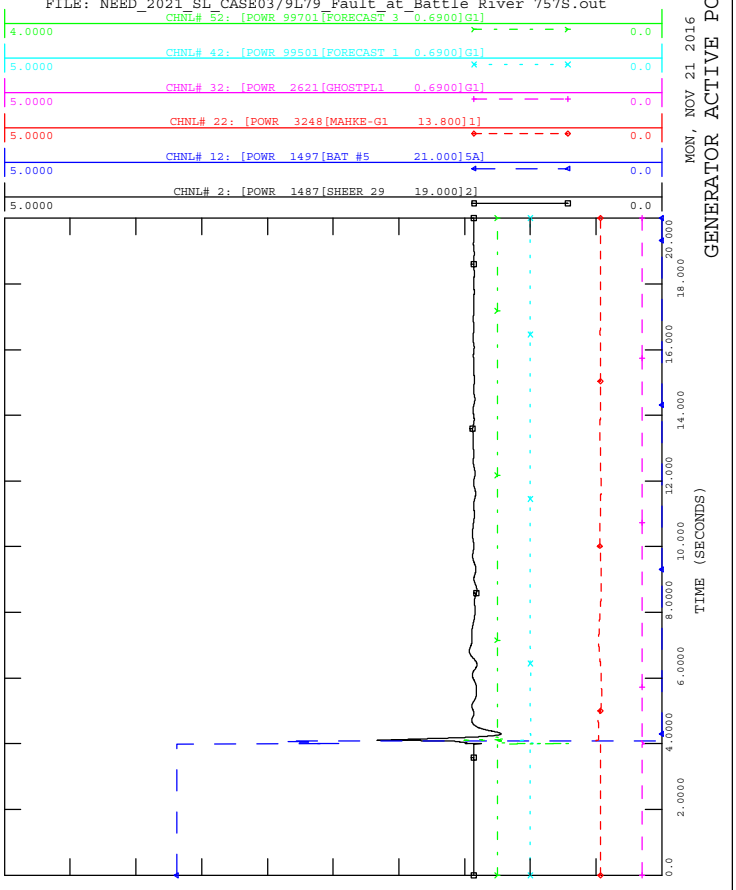
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

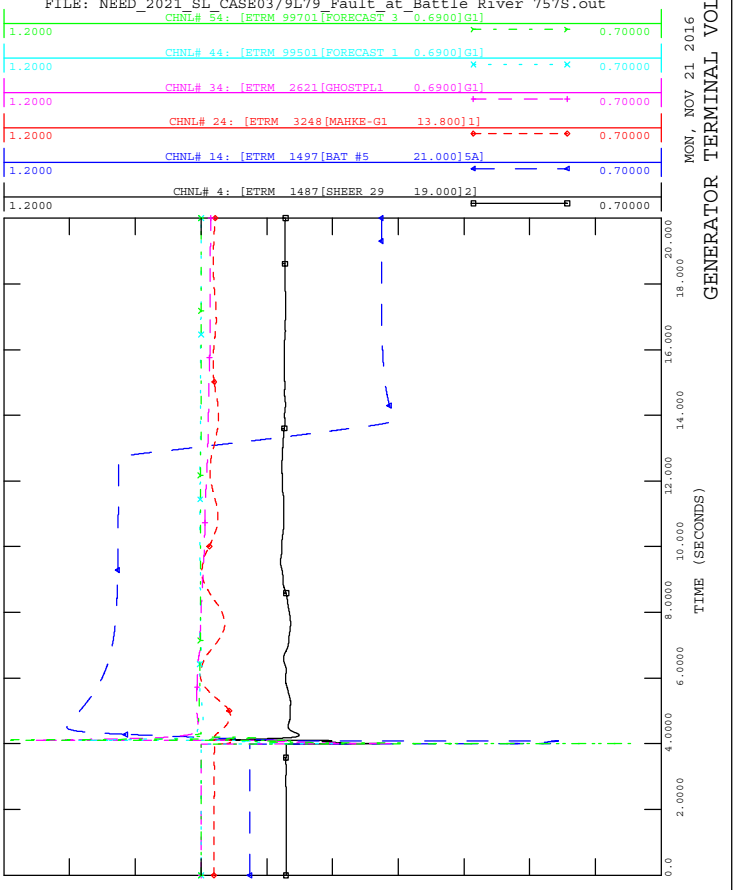
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

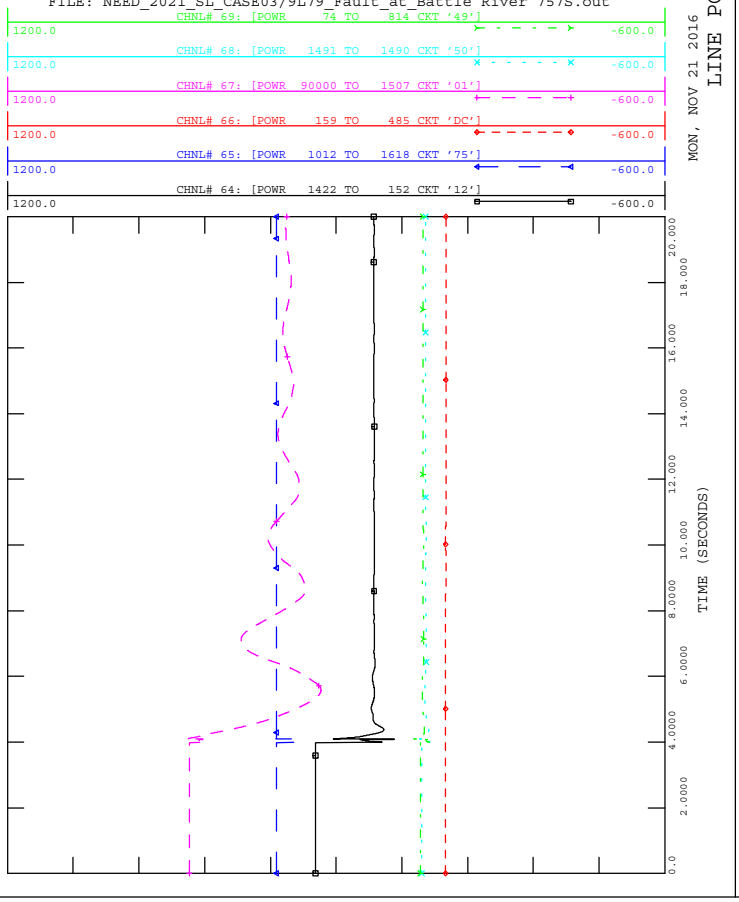
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

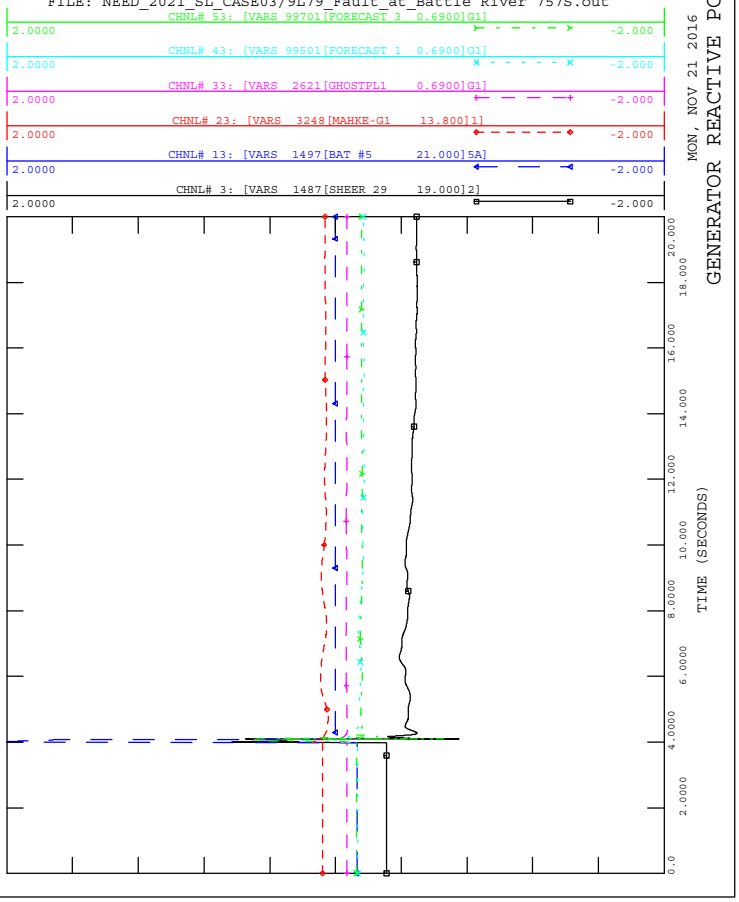
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

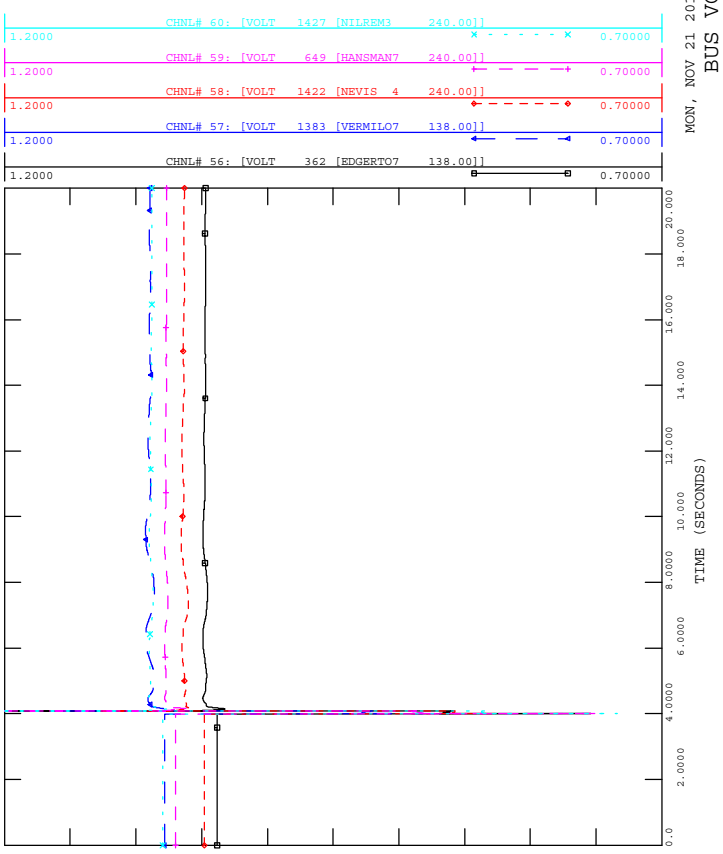
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

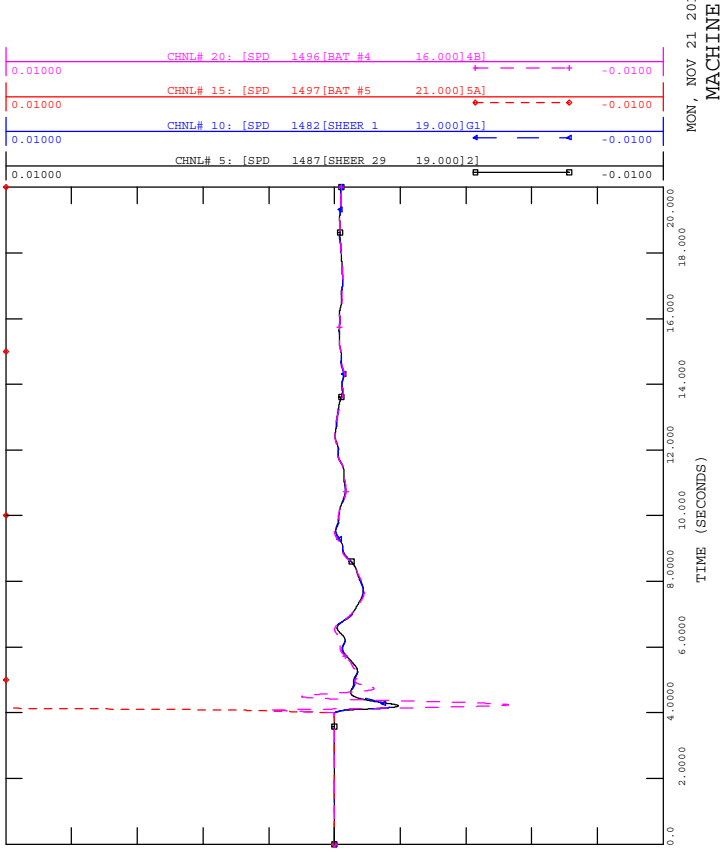
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

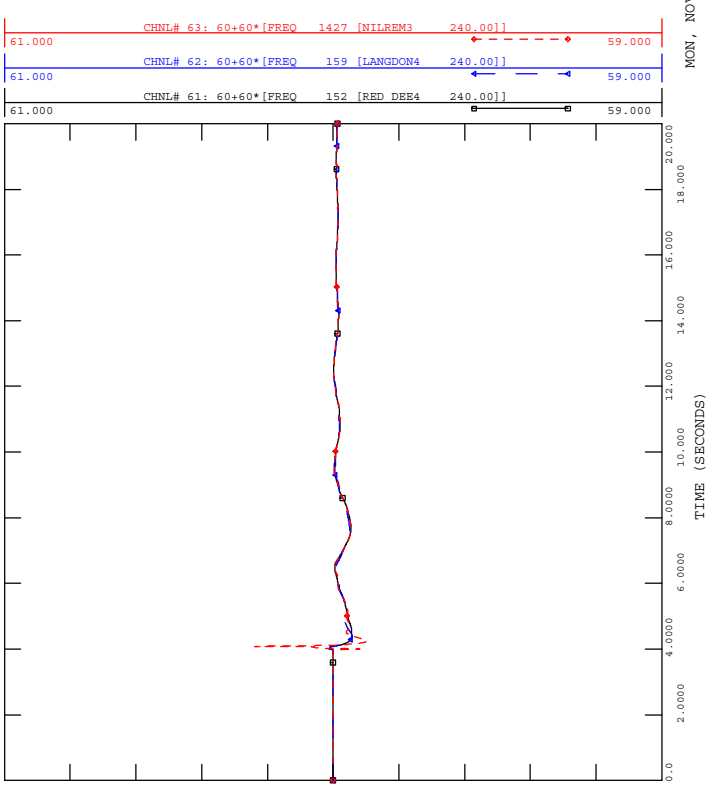
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

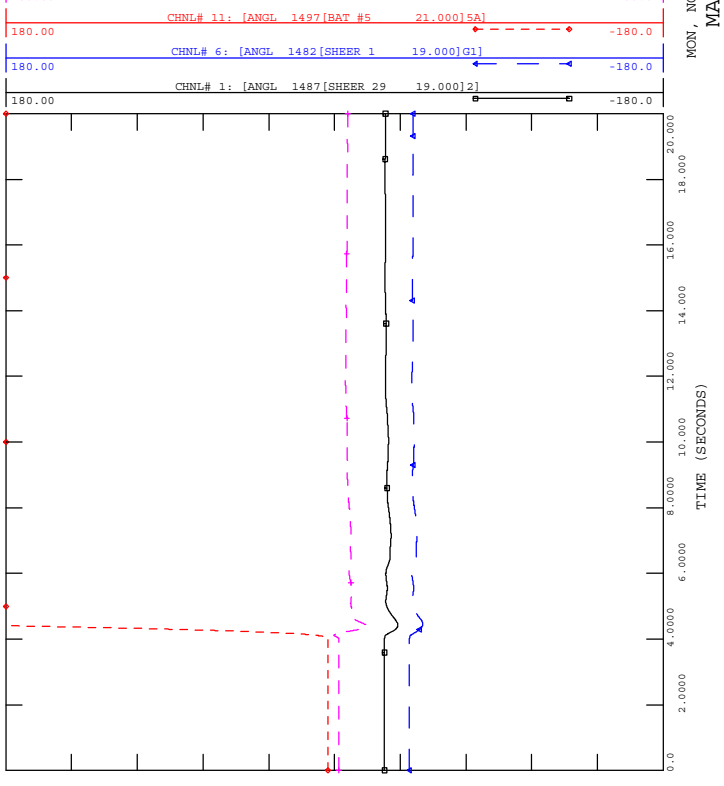
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

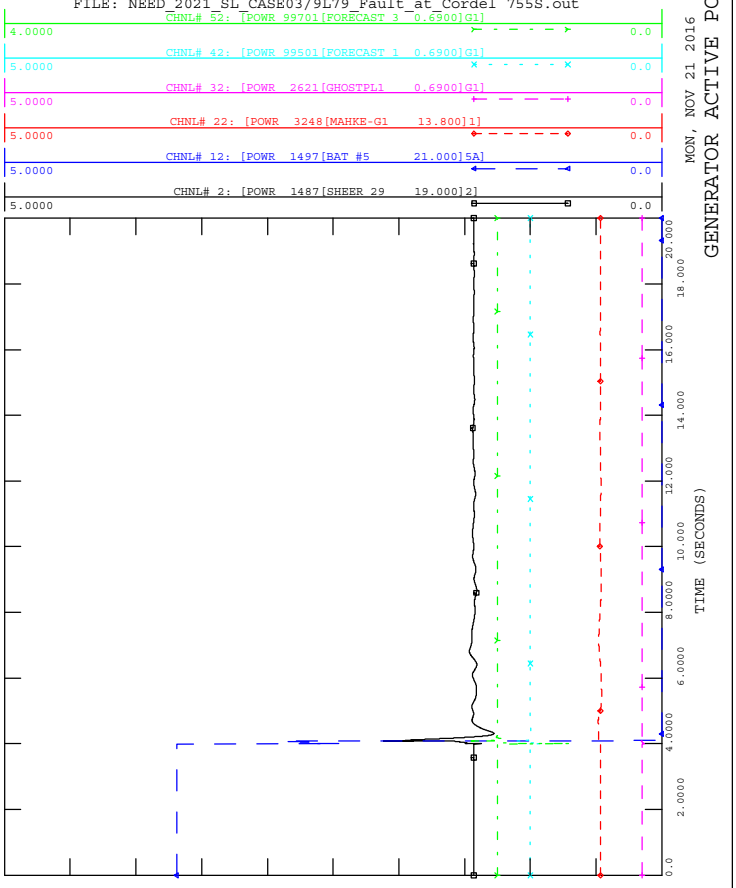
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

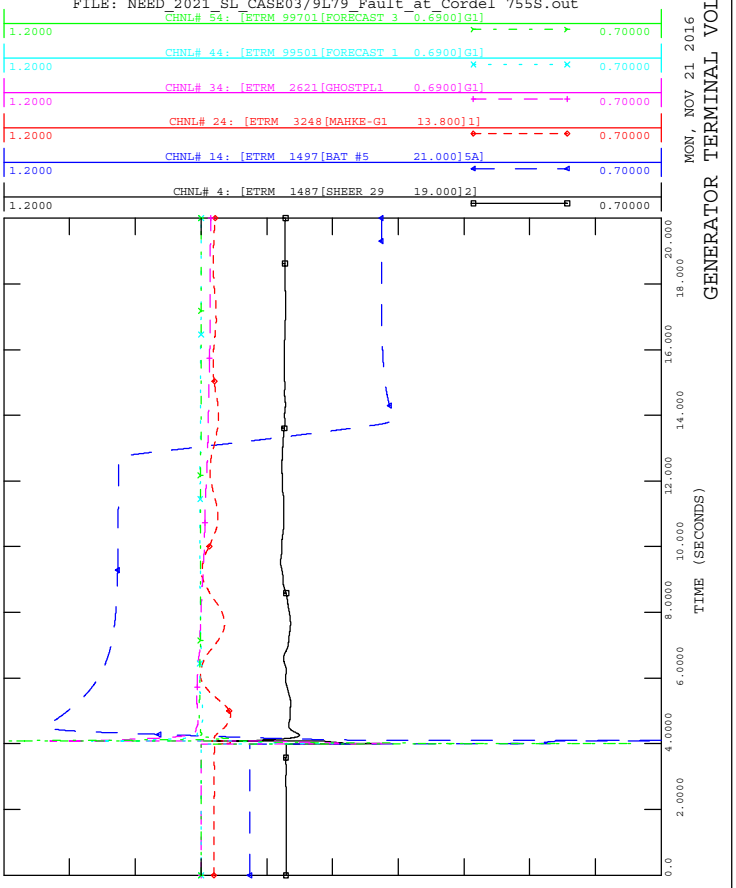
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51 GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

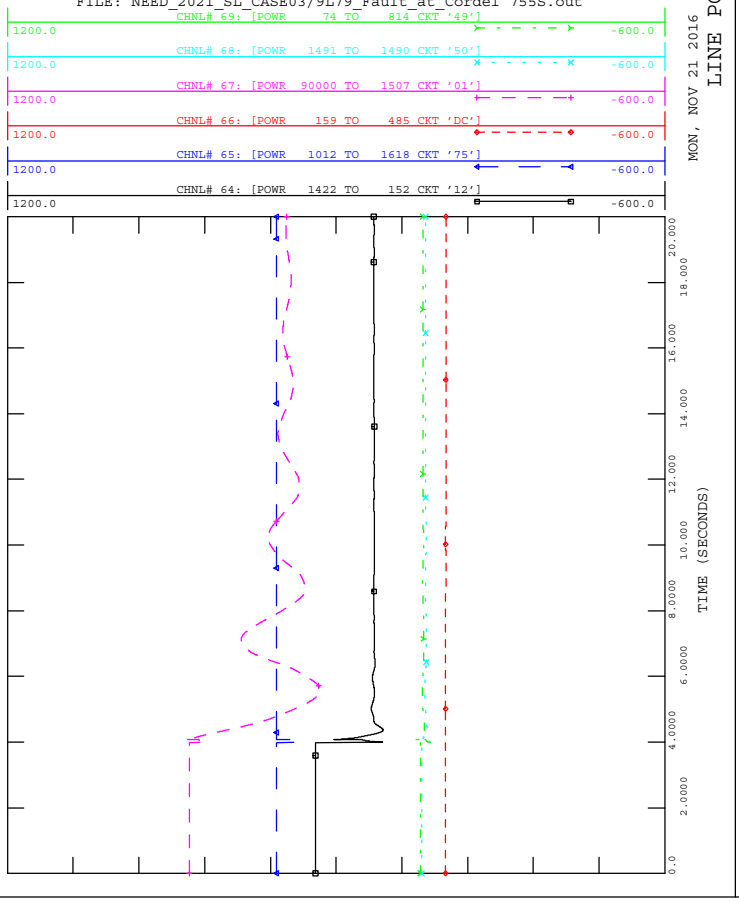
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51 GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

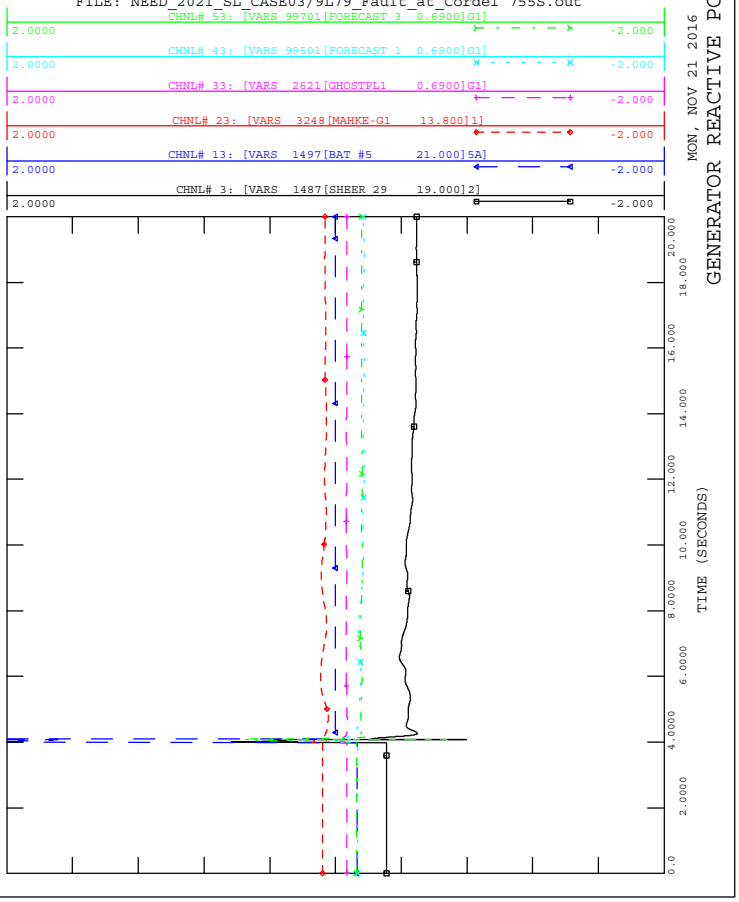
FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51 LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L79_Fault_at_Cordel 755S.out



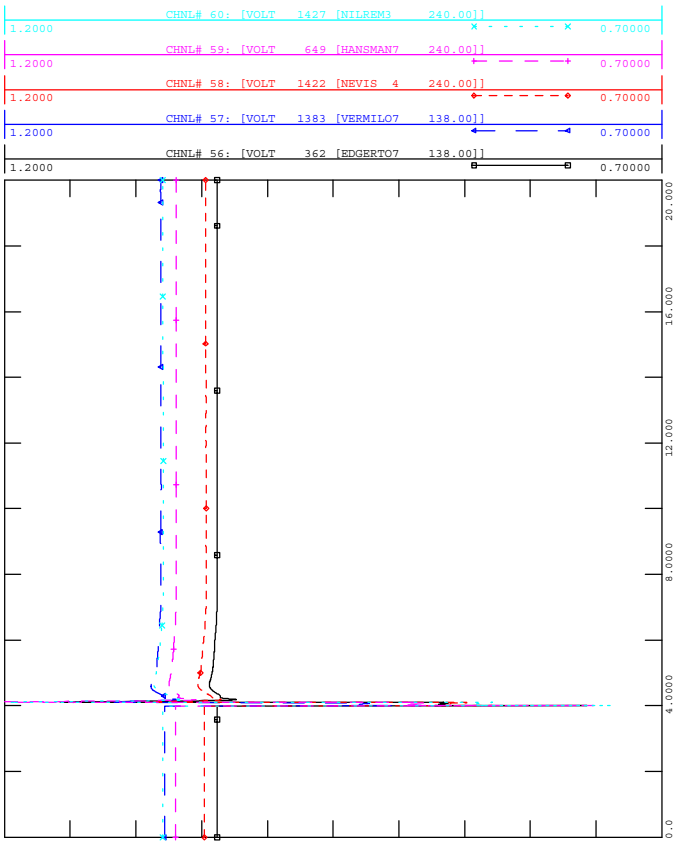
MON, NOV 21 2016 12:51 GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

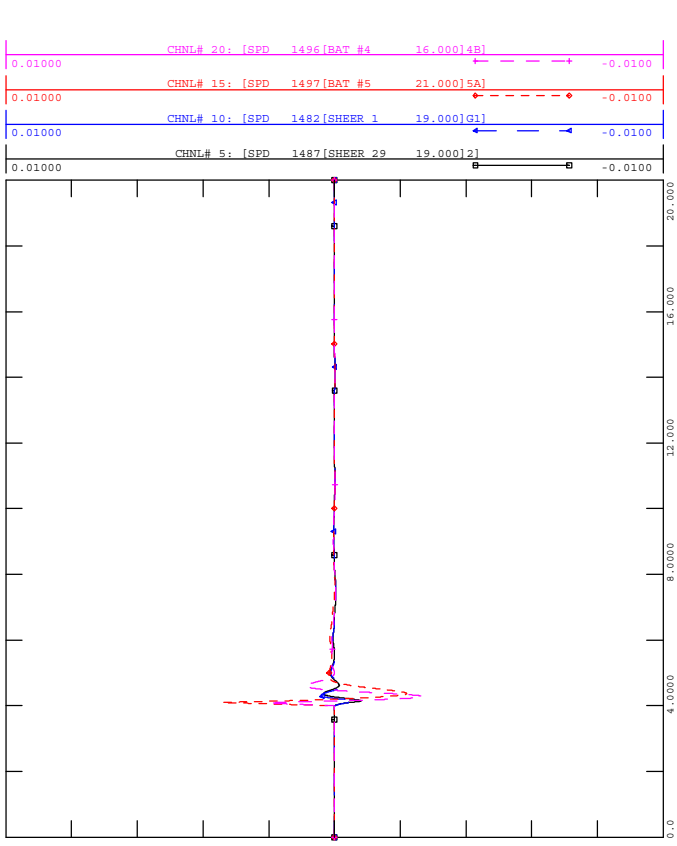


NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

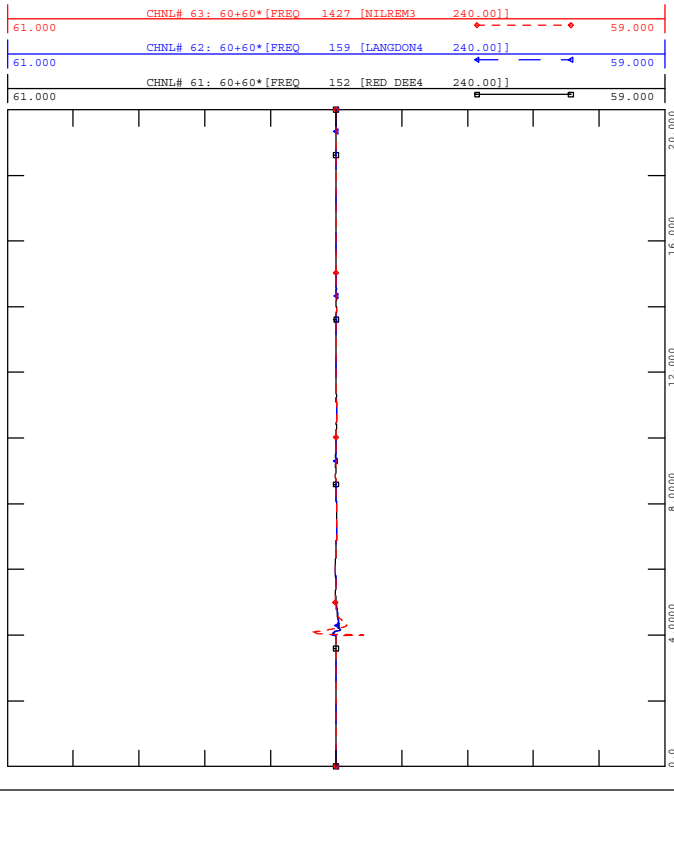


NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:51

FREQUENCY

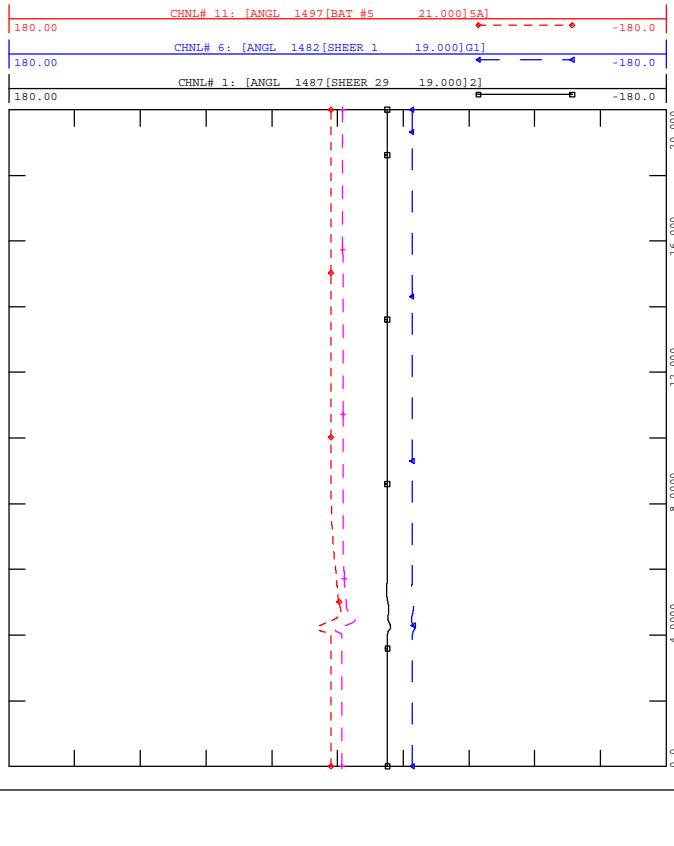


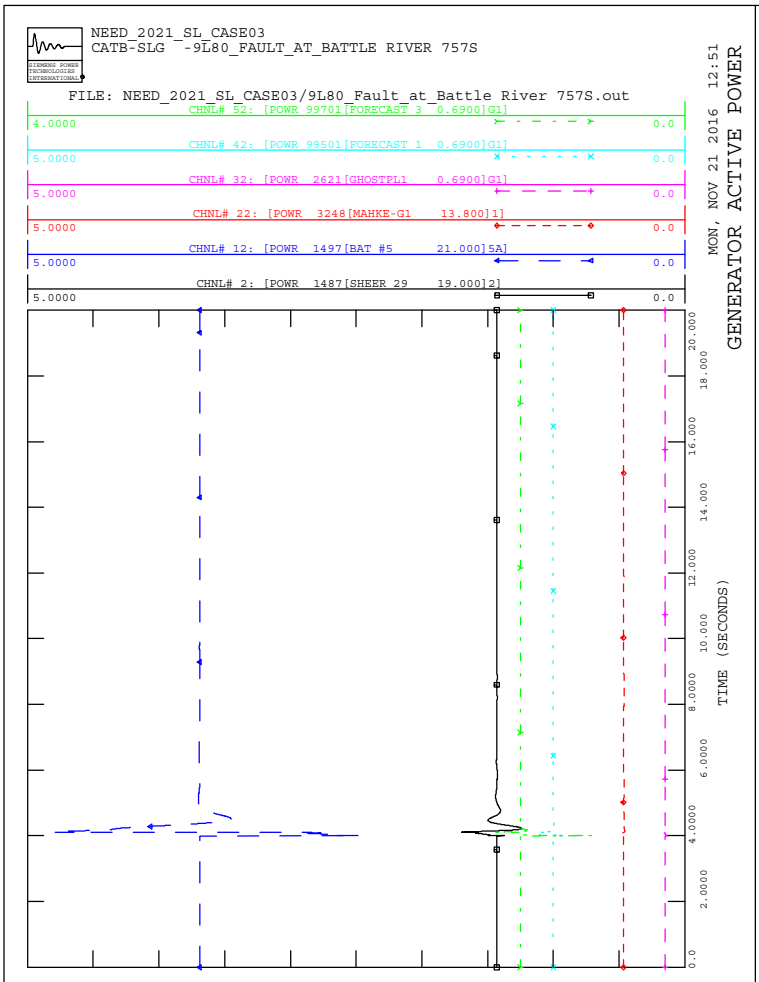
NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

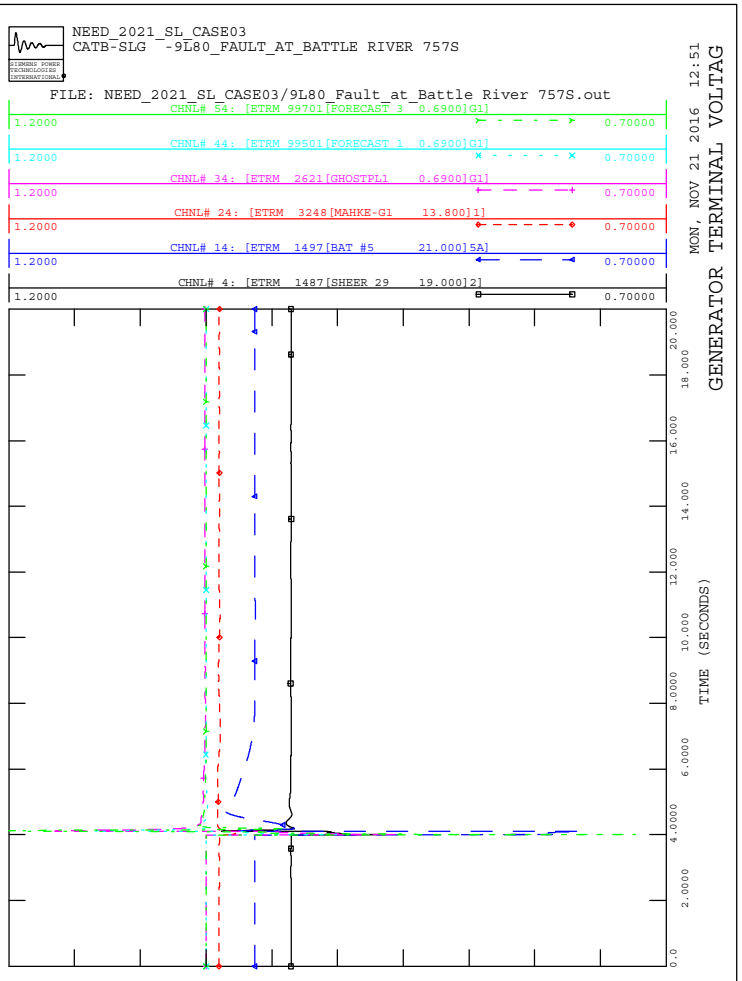
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out

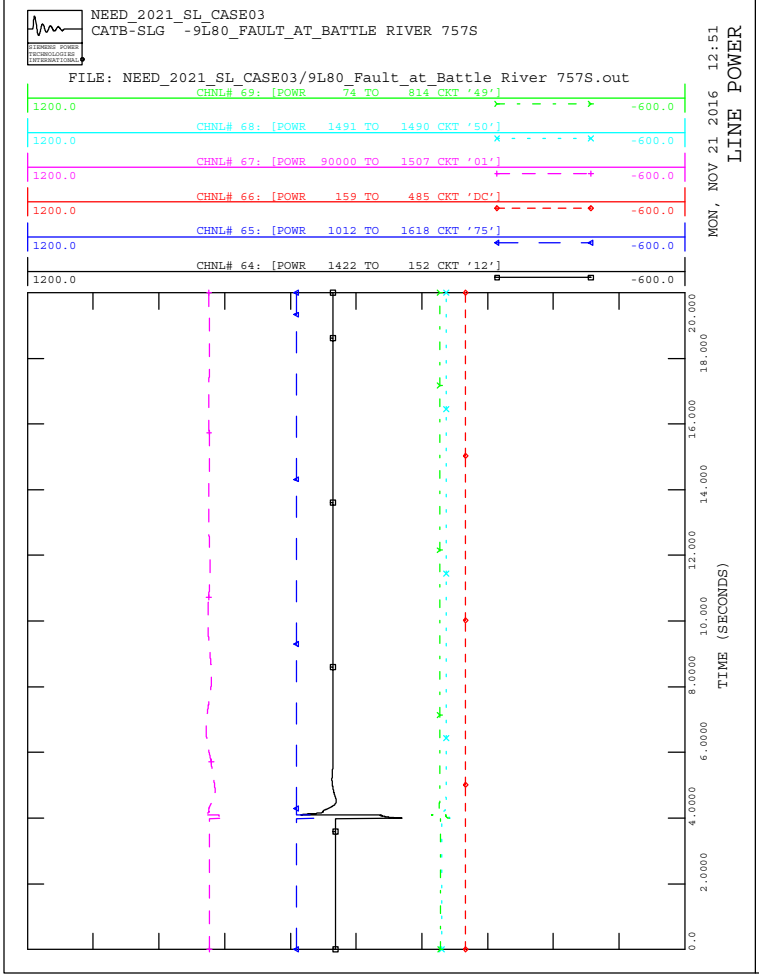
MON, NOV 21 2016 12:51

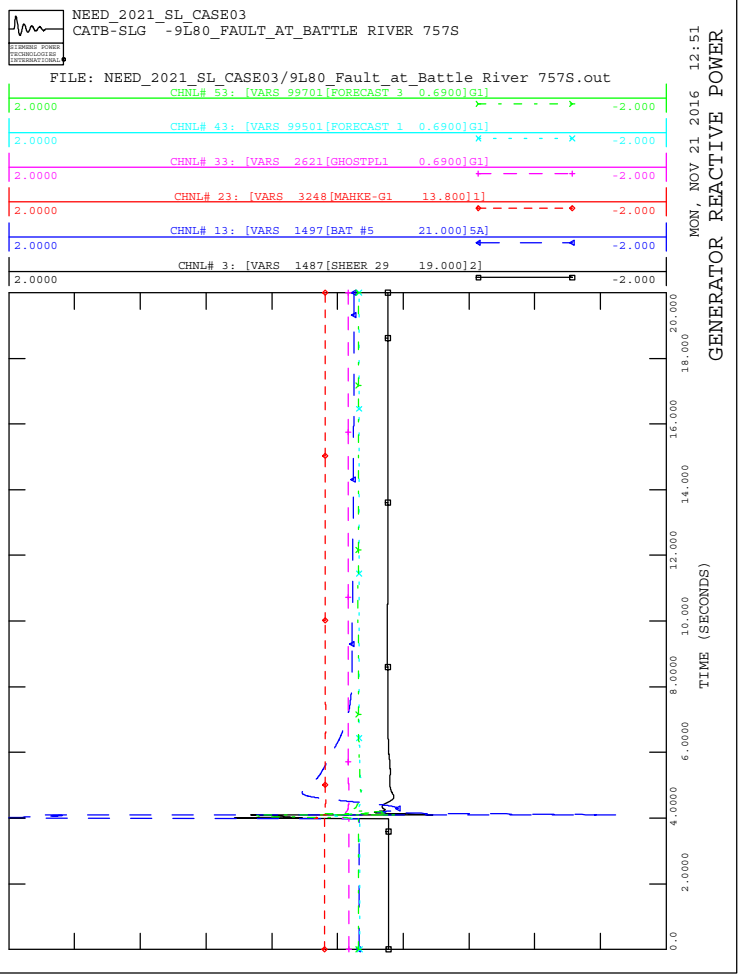
MACHINE ANGEL




NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

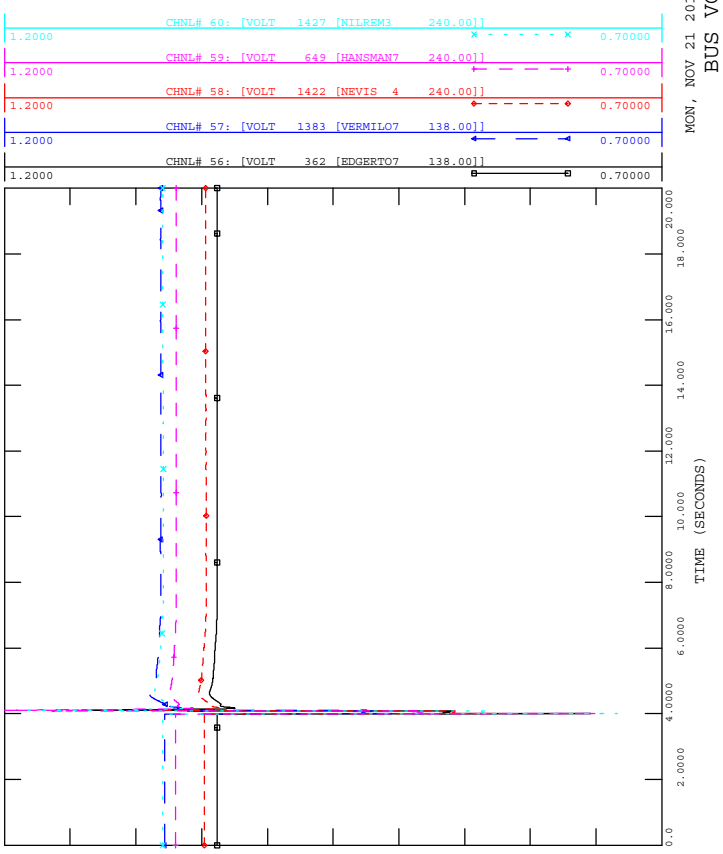

NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 21 2016 12:51
LINE POWER


NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Battle River 757S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

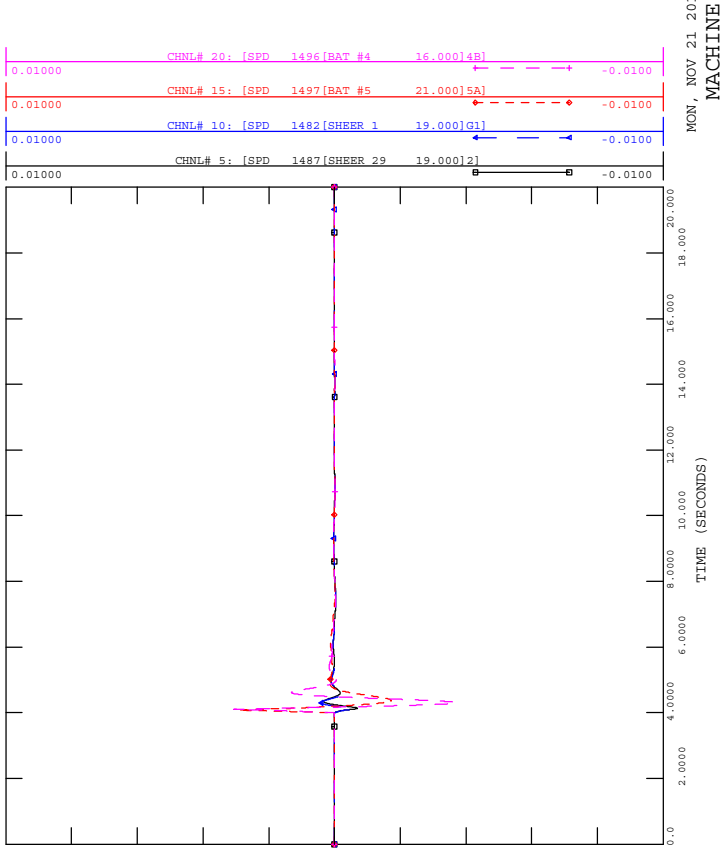
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
BUS VOLTAGE

NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

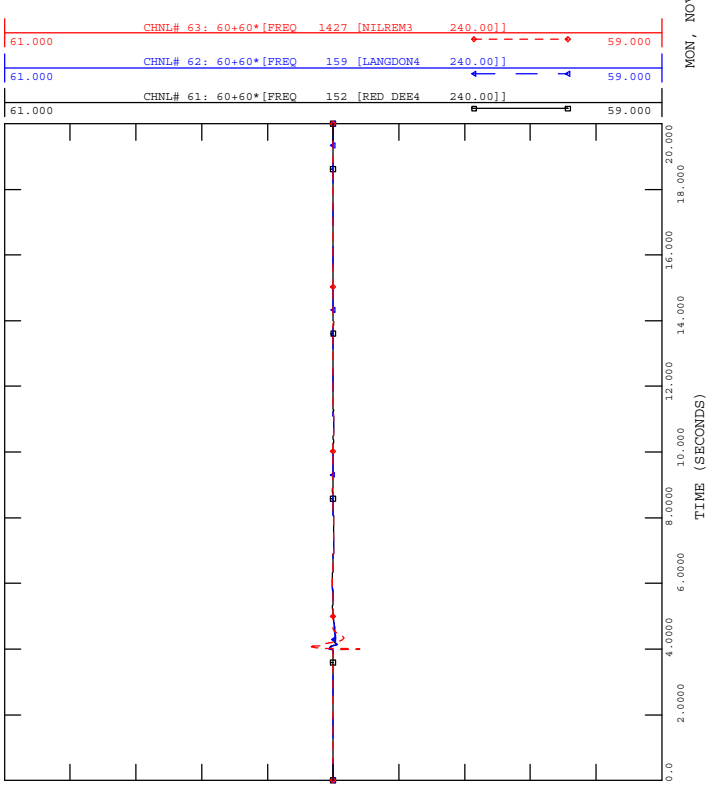
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
MACHINE SPEED

NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

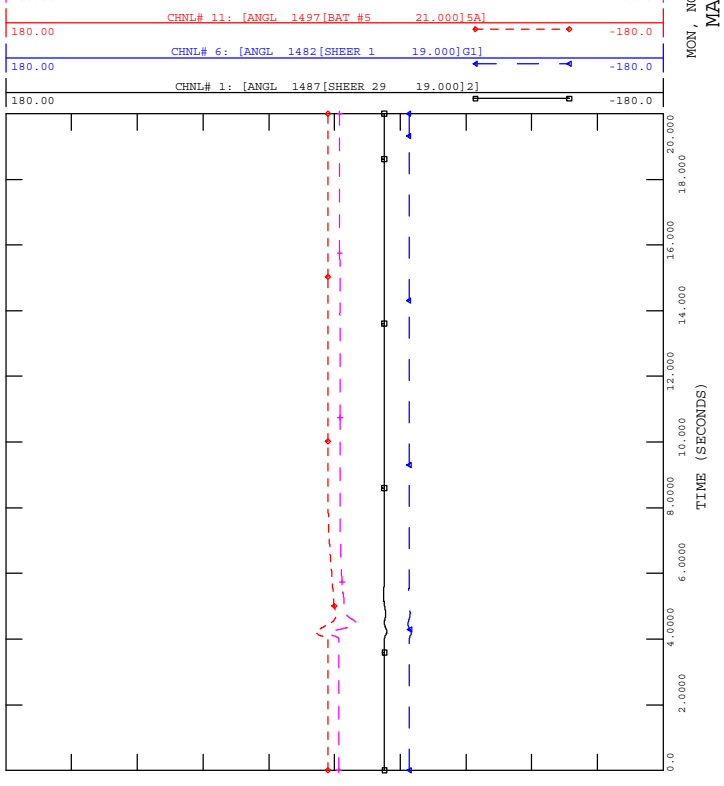
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
FREQUENCY

NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

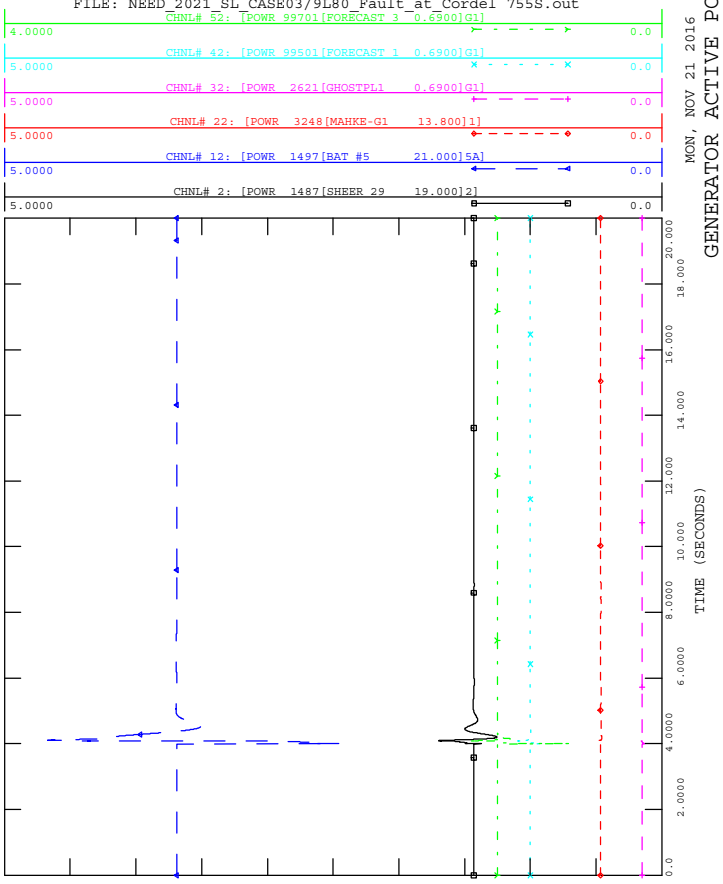
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
MACHINE ANGEL

NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

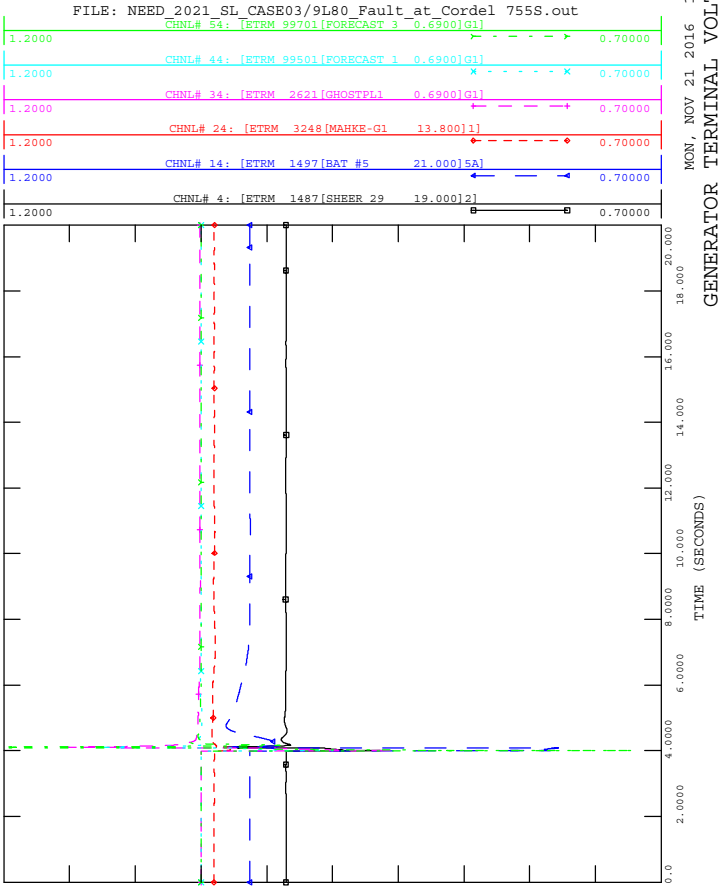
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

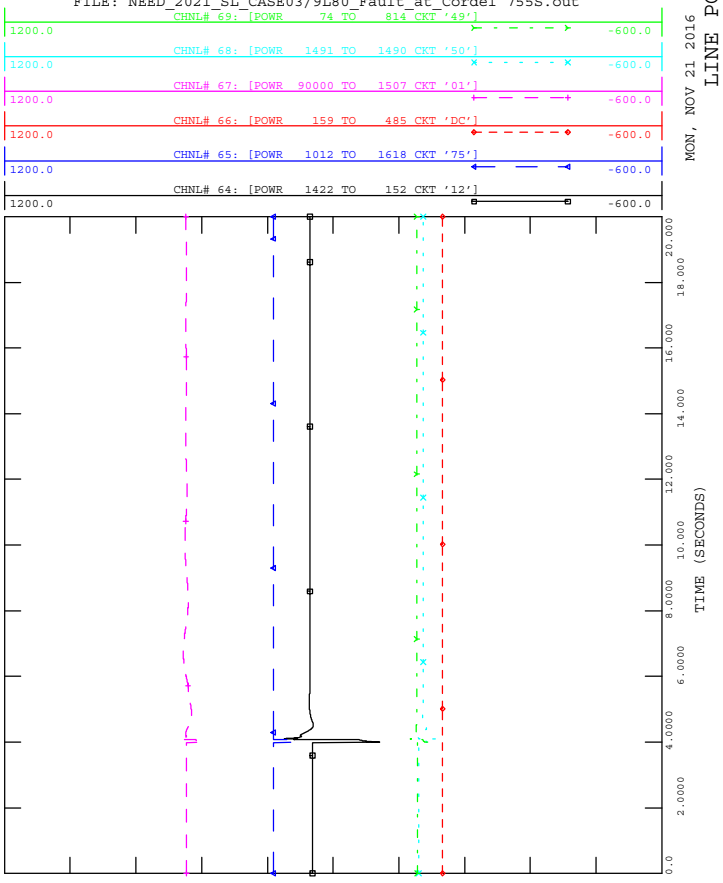
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

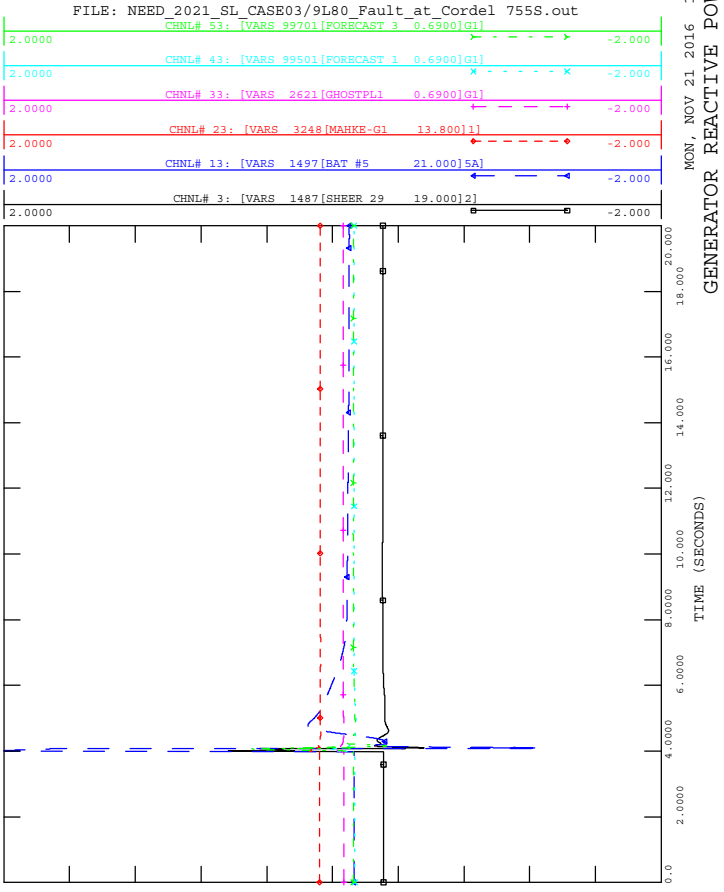
FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: NEED_2021_SL_CASE03/9L80_Fault_at_Cordel 755S.out



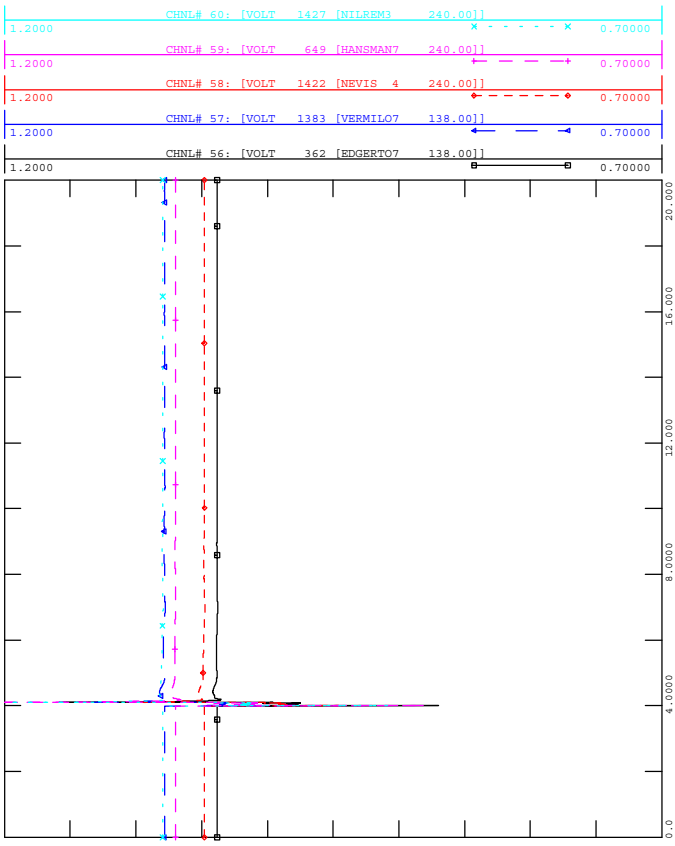
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

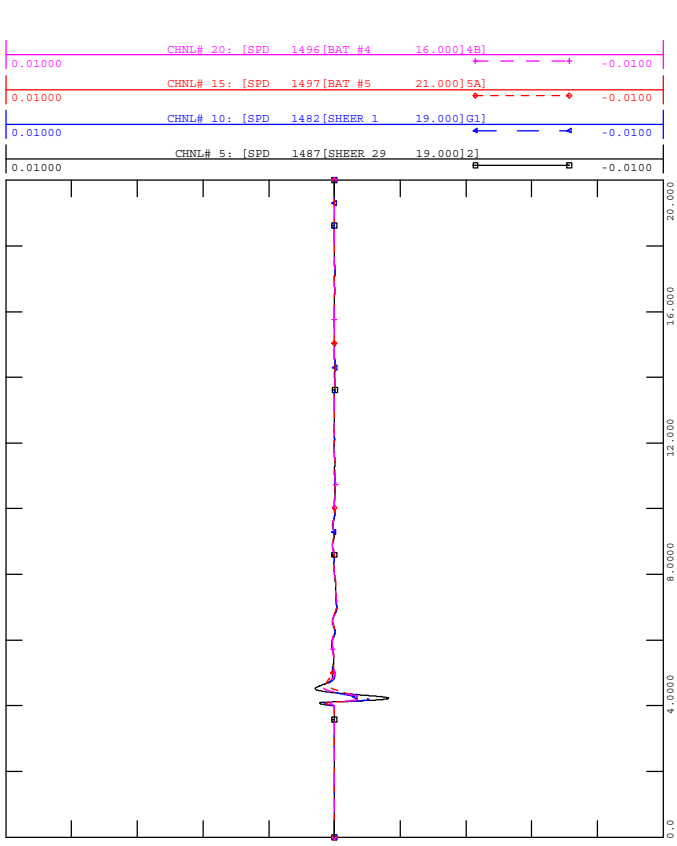


NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

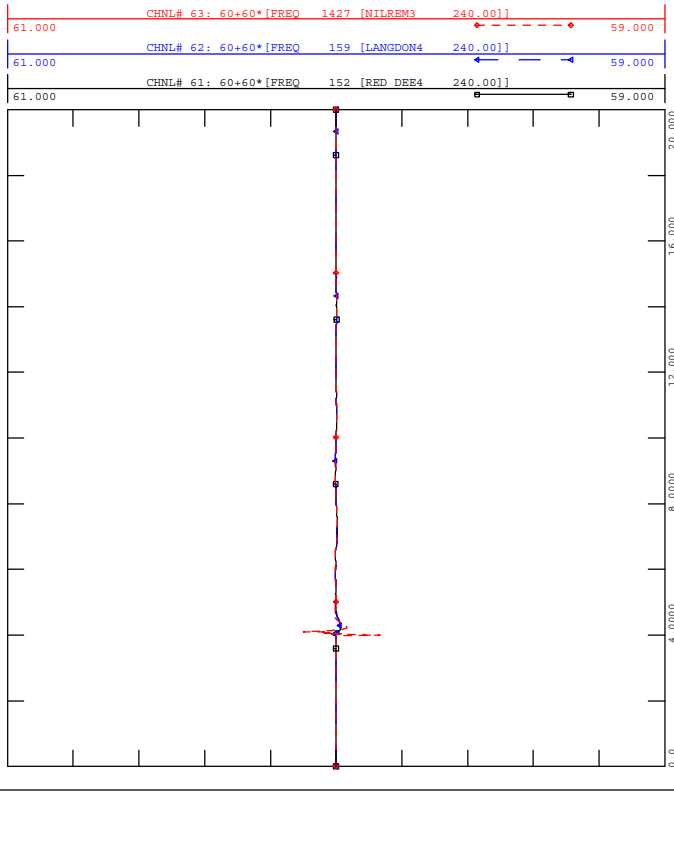


NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:51

FREQUENCY

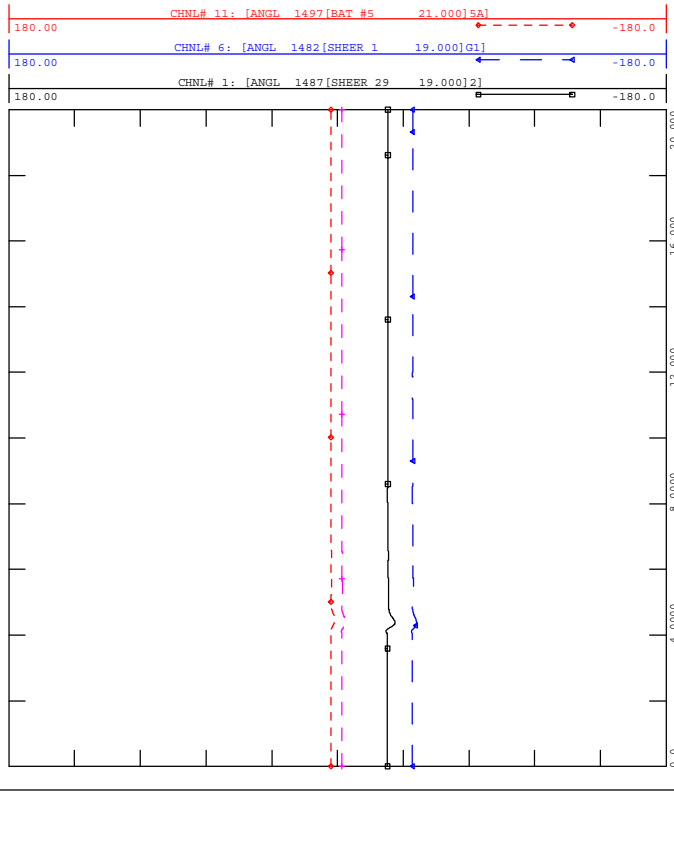


NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out

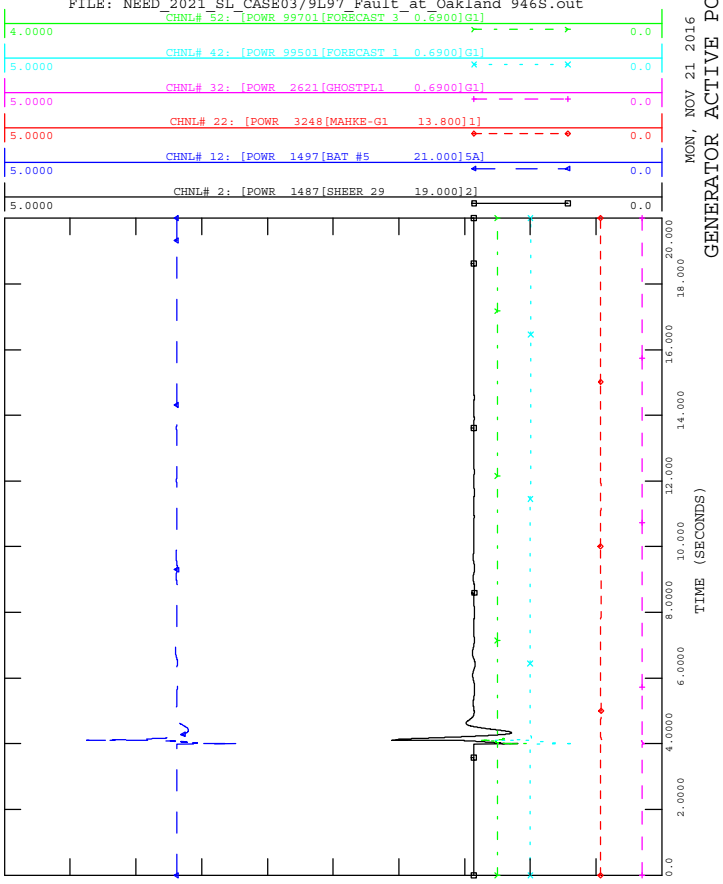
MON, NOV 21 2016 12:51

MACHINE ANGEL



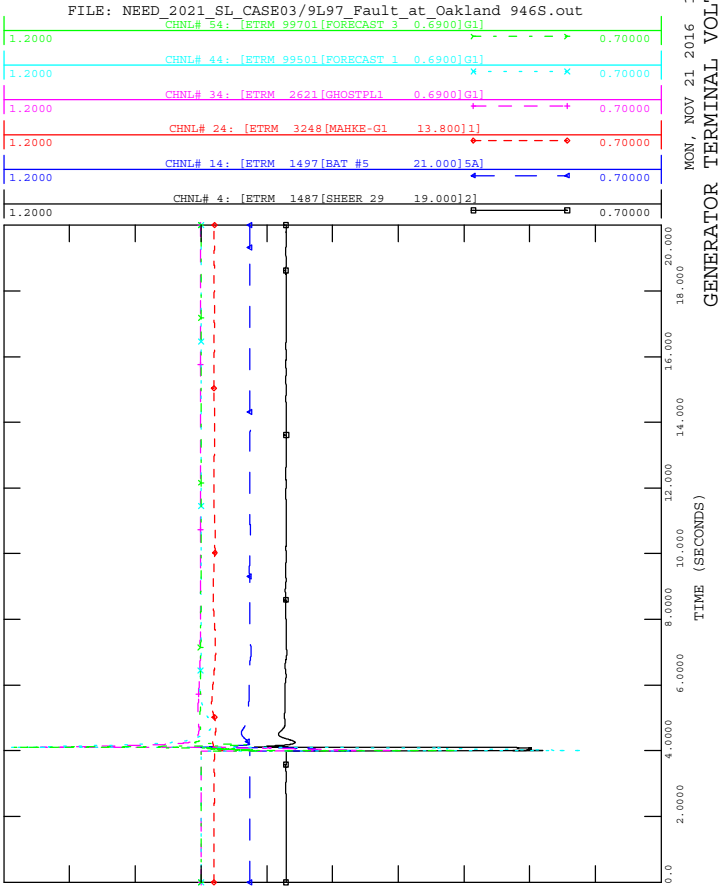
NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out



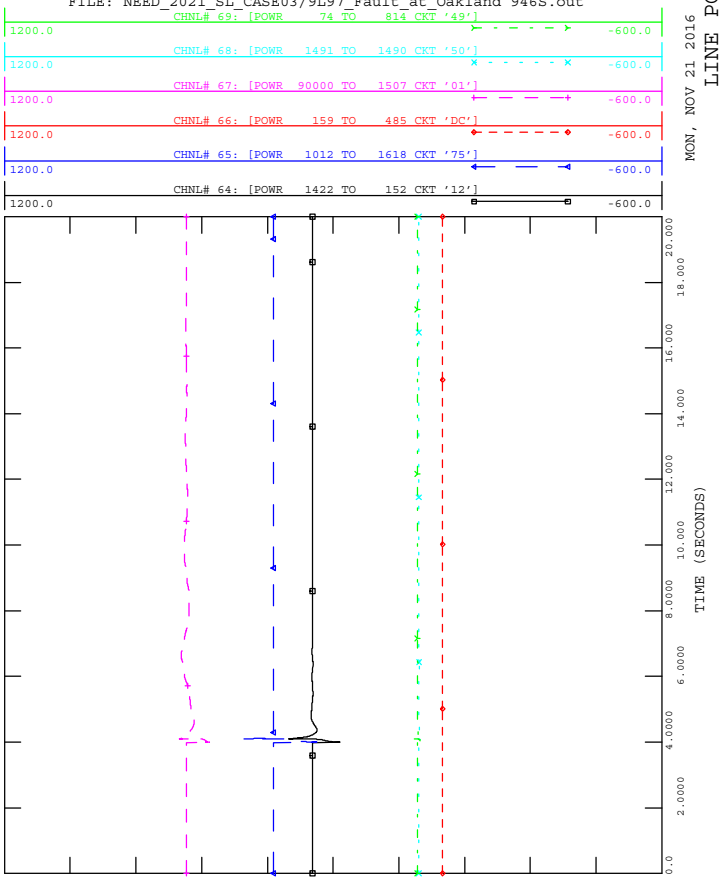
NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out



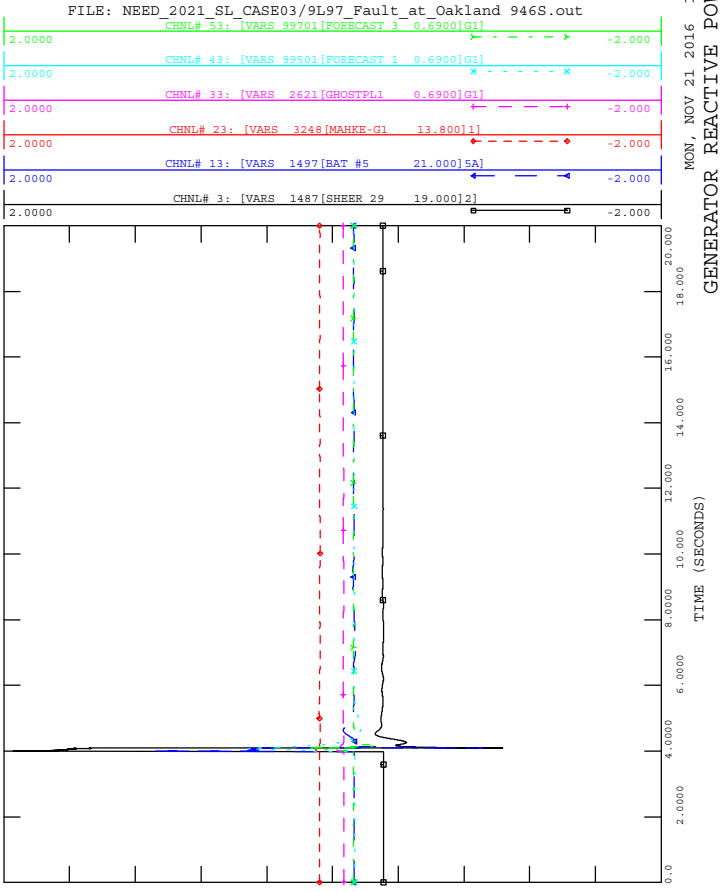
NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out



NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Oakland 946S.out

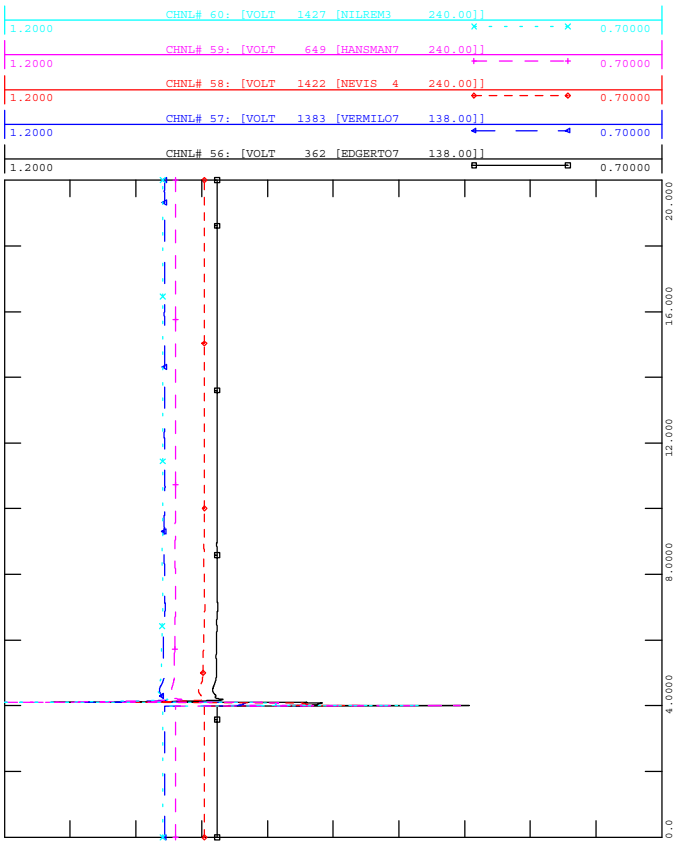


NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out

MON, NOV 21 2016 12:51

BUS VOLTAGE

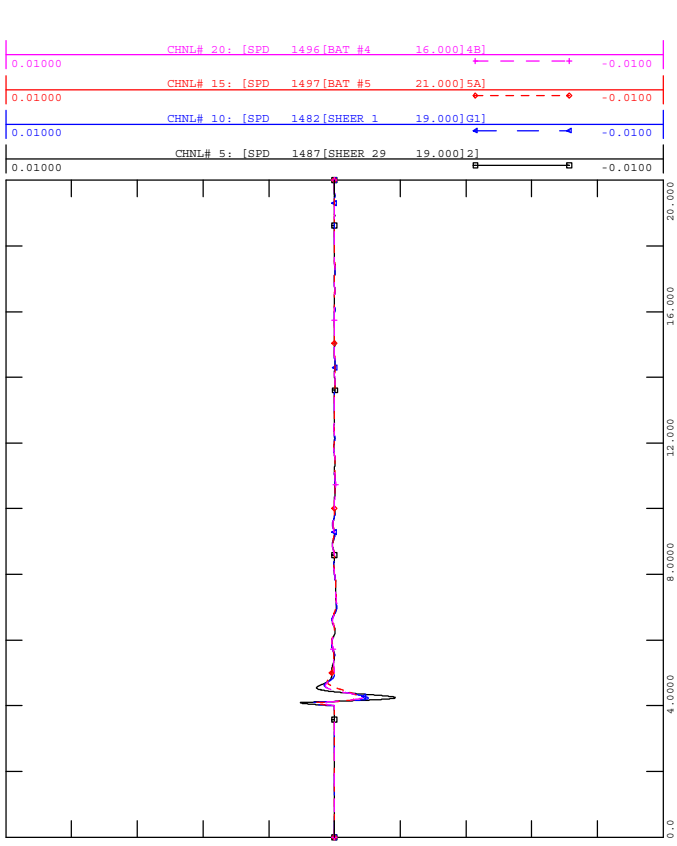


NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out

MON, NOV 21 2016 12:51

MACHINE SPEED

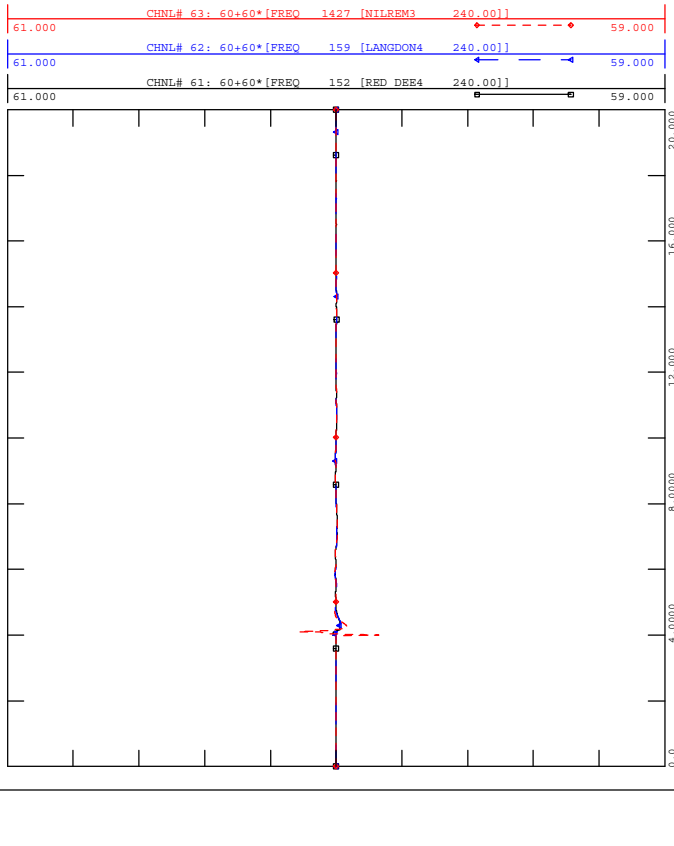


NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out

MON, NOV 21 2016 12:51

FREQUENCY

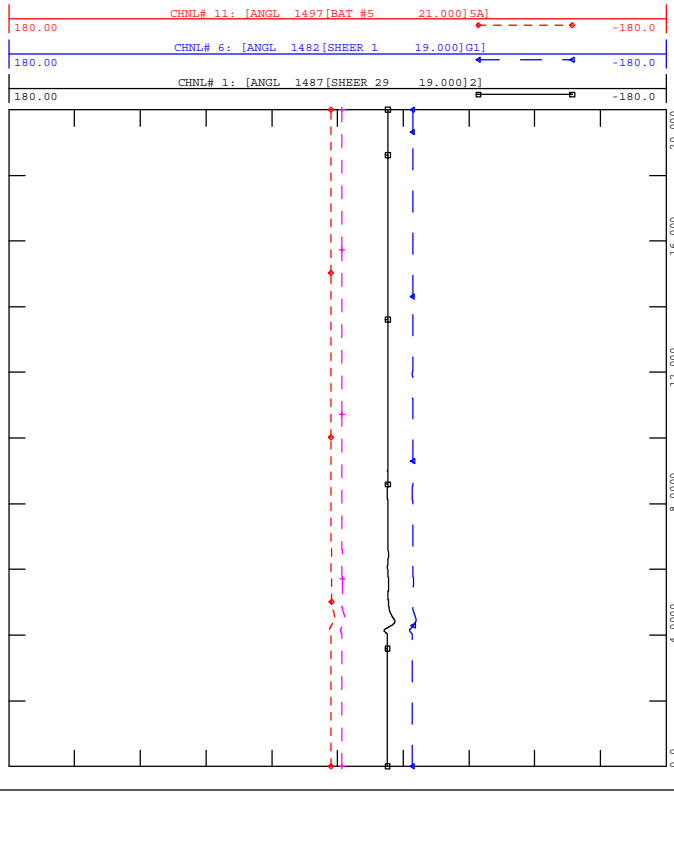


NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out

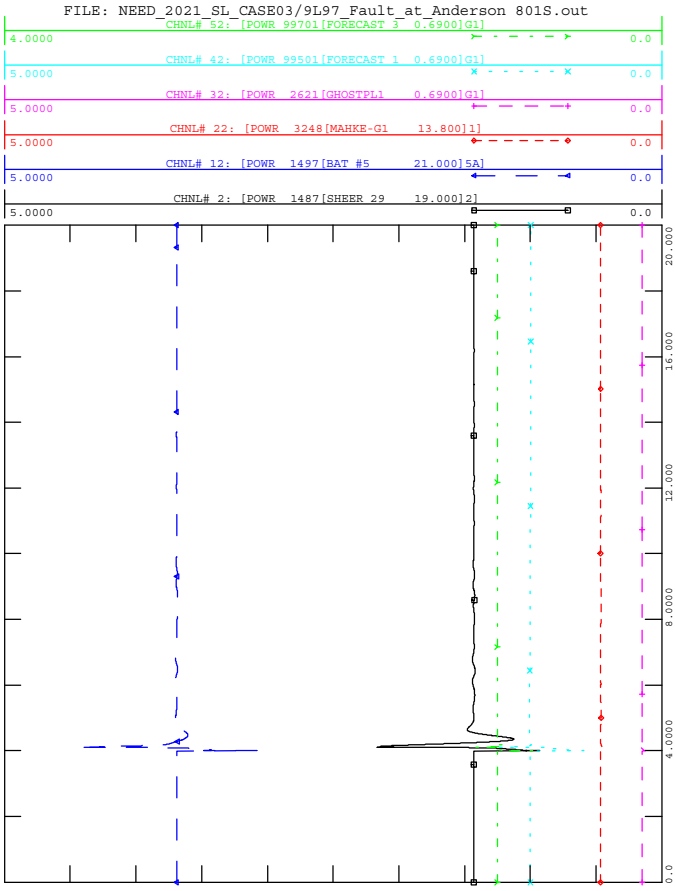
MON, NOV 21 2016 12:51

MACHINE ANGEL



NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

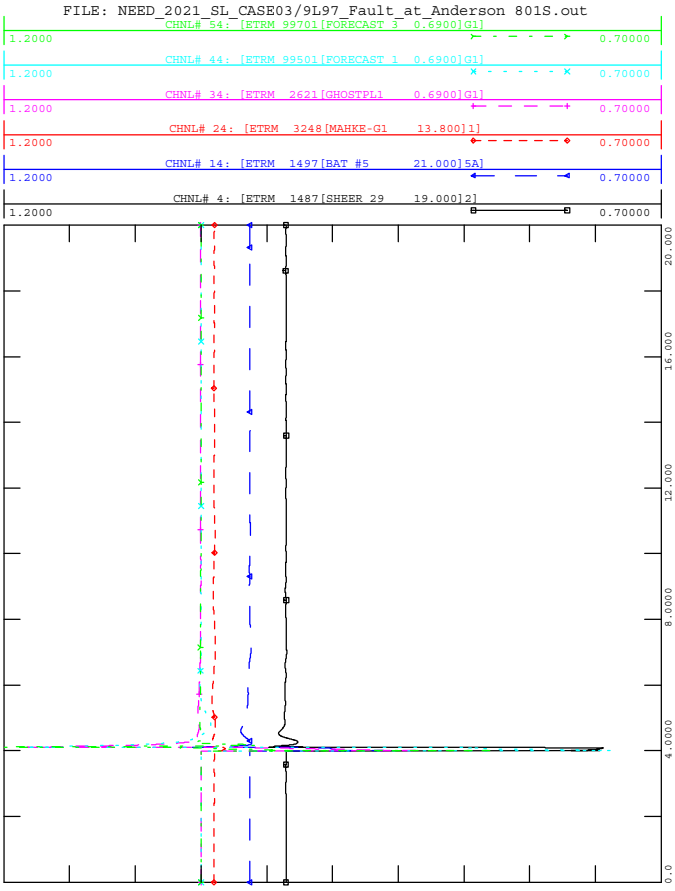
FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:51
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

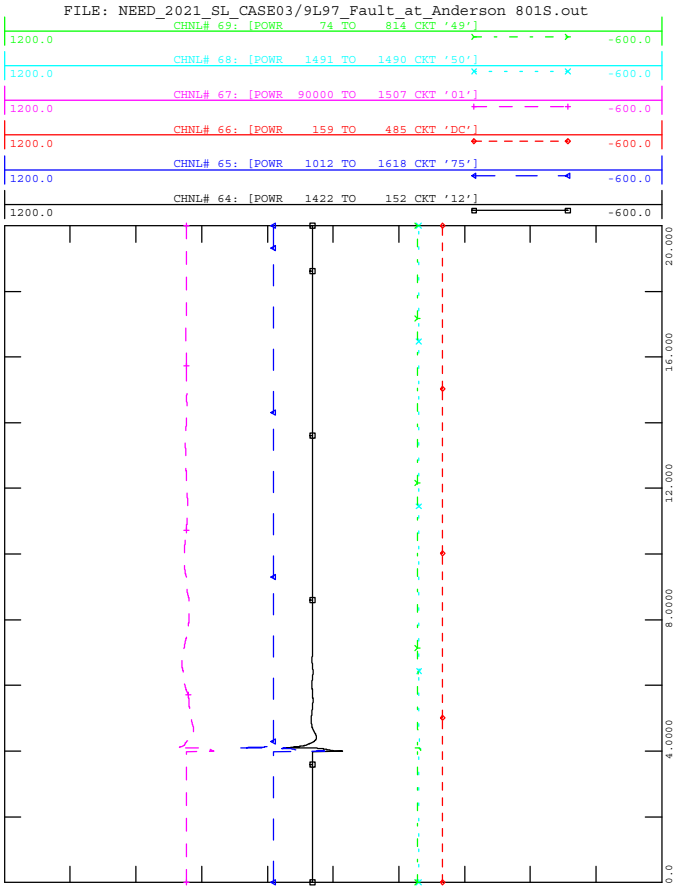
FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:51
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

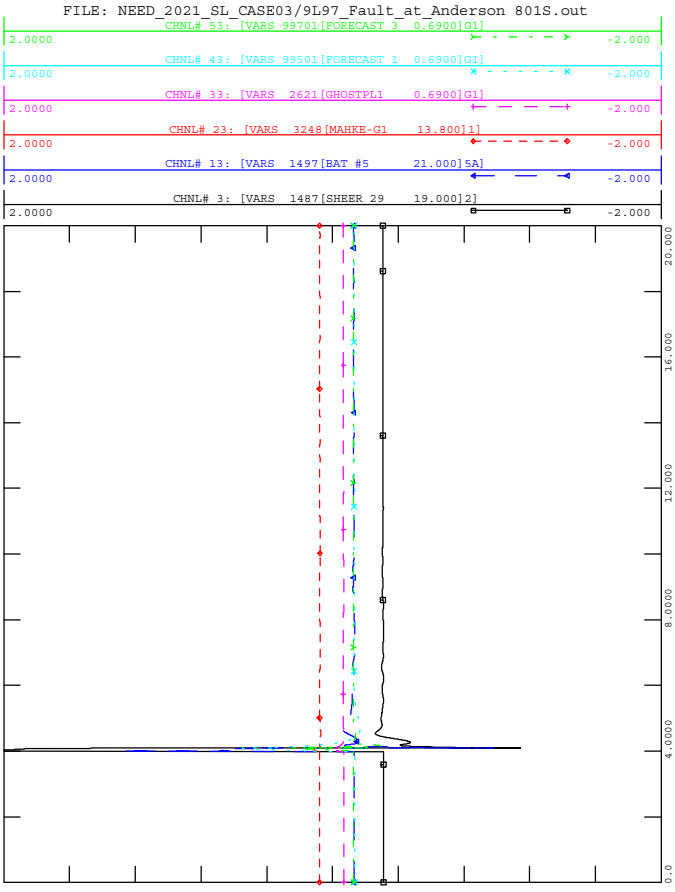
FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:51
LINE POWER

NEED_2021_SL_CASE03
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_SL_CASE03/9L97_Fault_at_Anderson 801S.out



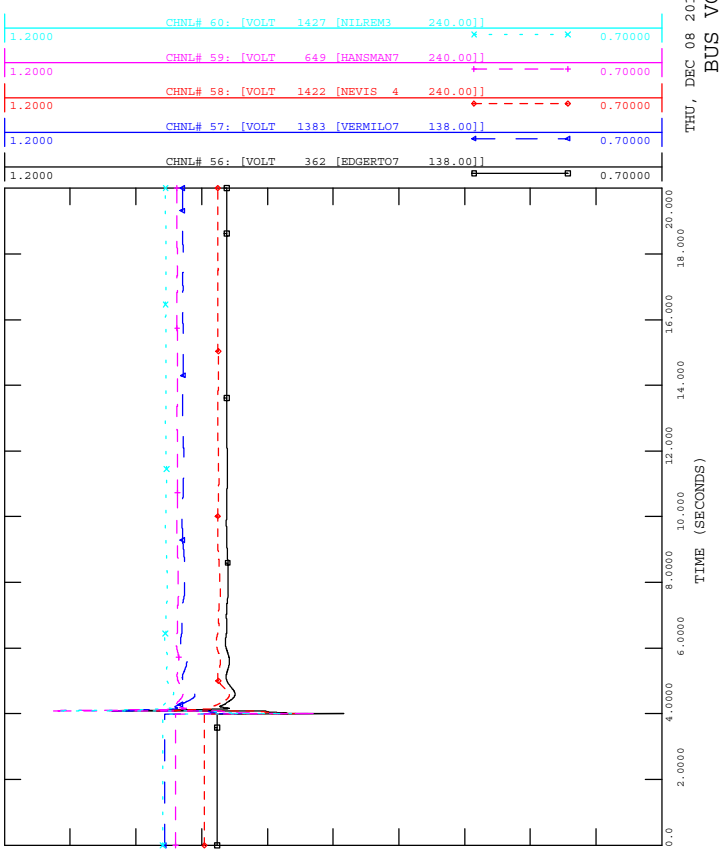
MON, NOV 21 2016 12:51
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out

THU, DEC 08 2016 21:55

BUS VOLTAGE

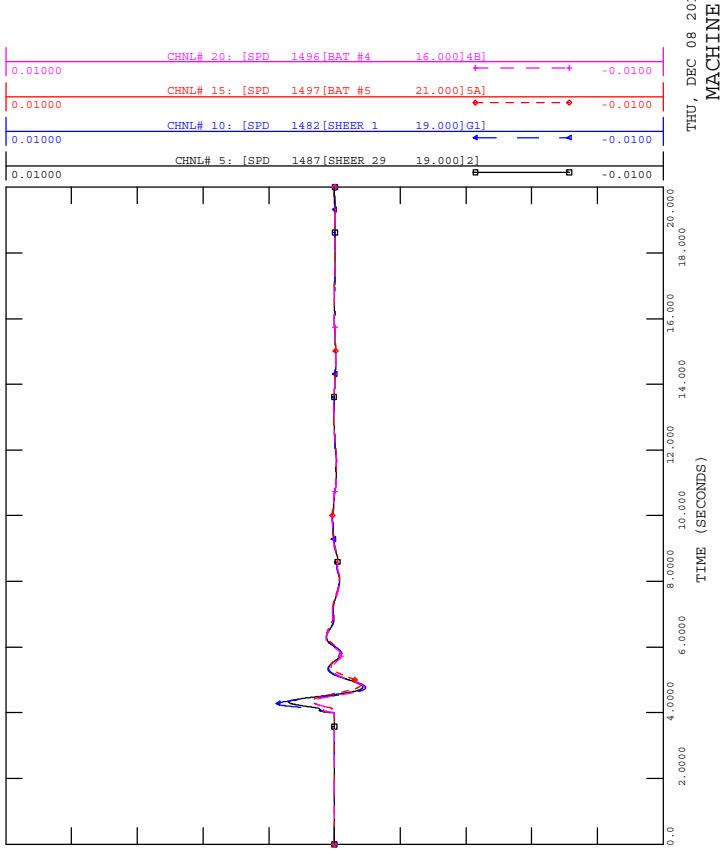


NEED_2021_SL_CASE03
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out

THU, DEC 08 2016 21:55

MACHINE SPEED

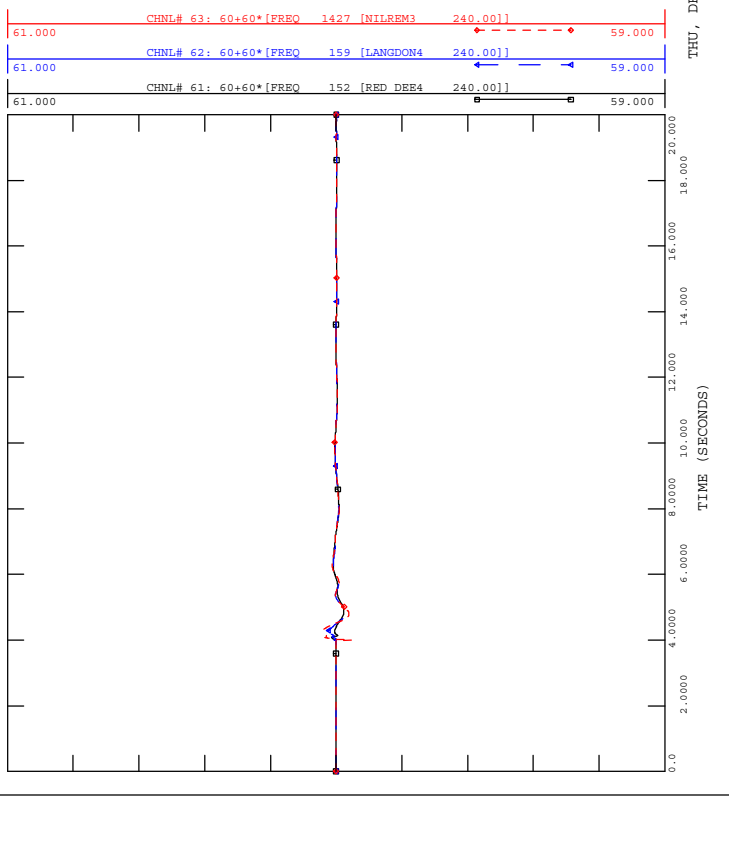


NEED_2021_SL_CASE03
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out

THU, DEC 08 2016 21:55

FREQUENCY

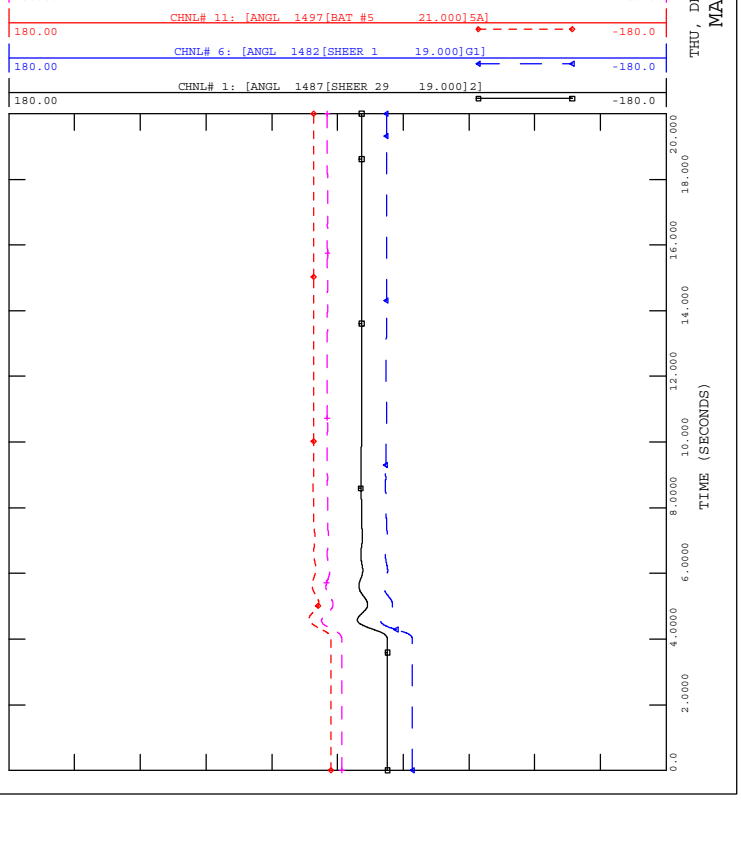


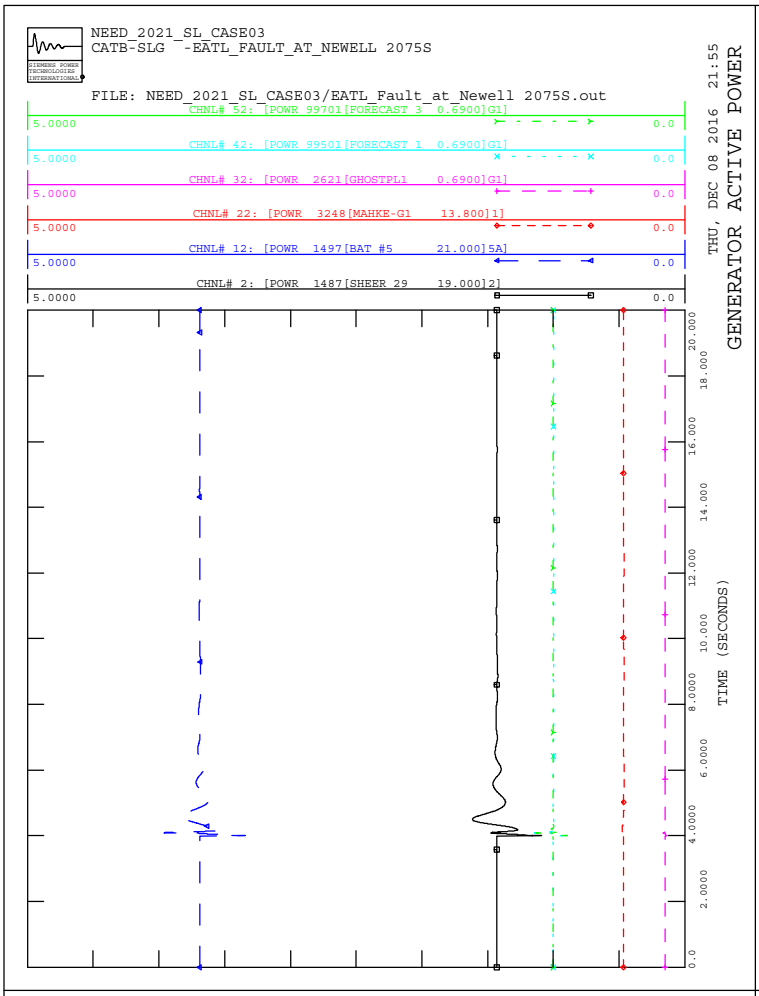
NEED_2021_SL_CASE03
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

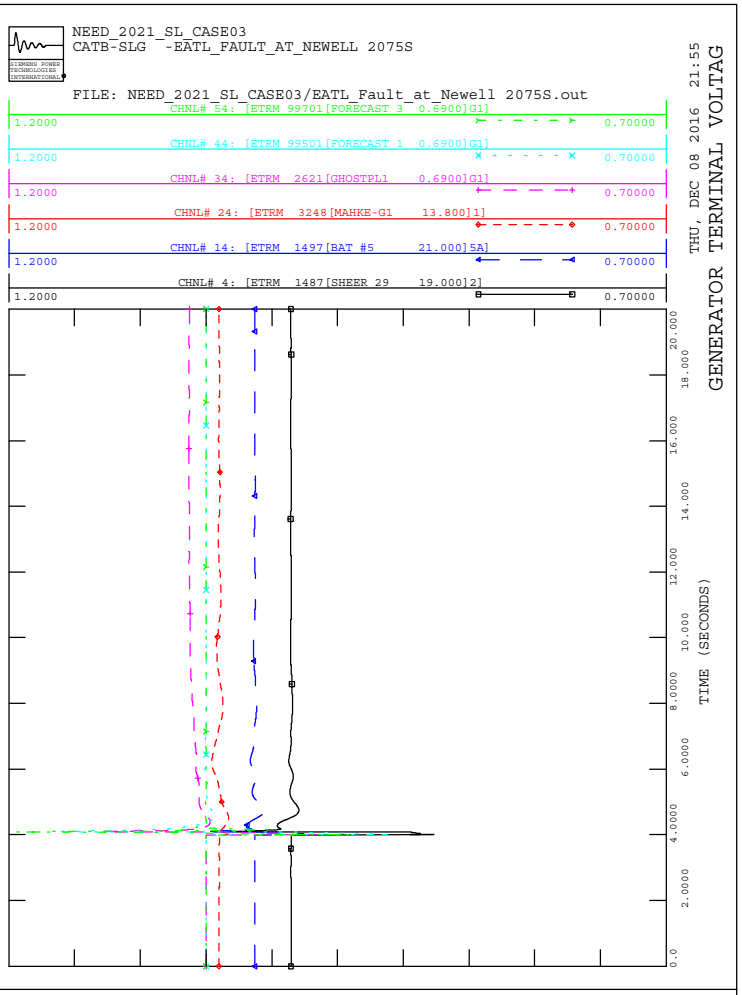
FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out

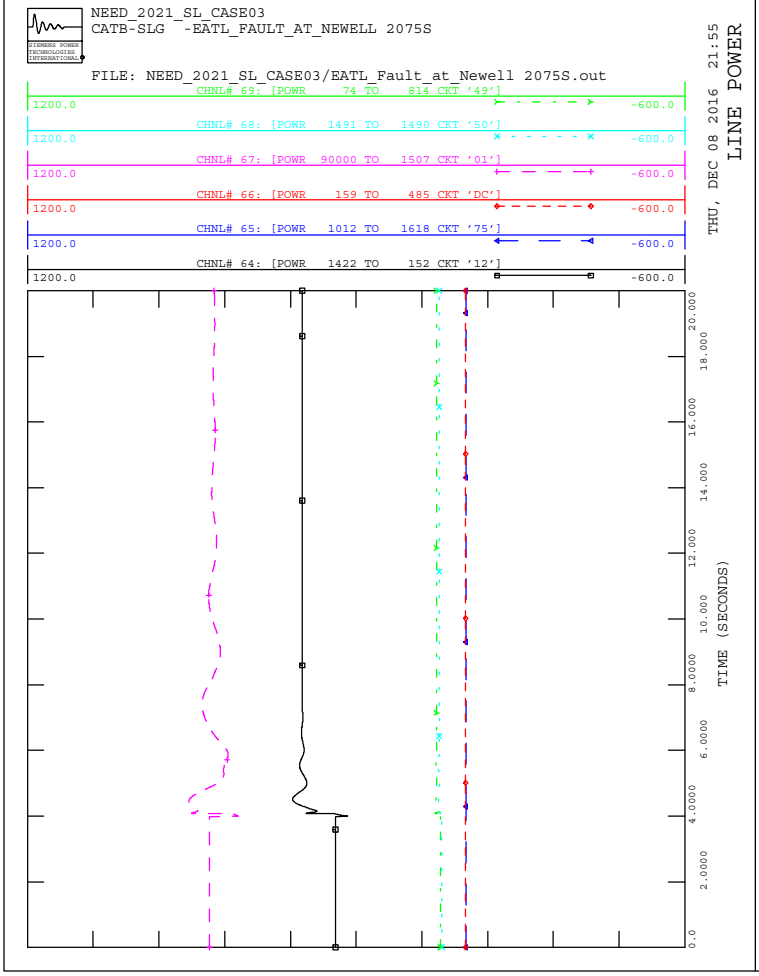
THU, DEC 08 2016 21:55

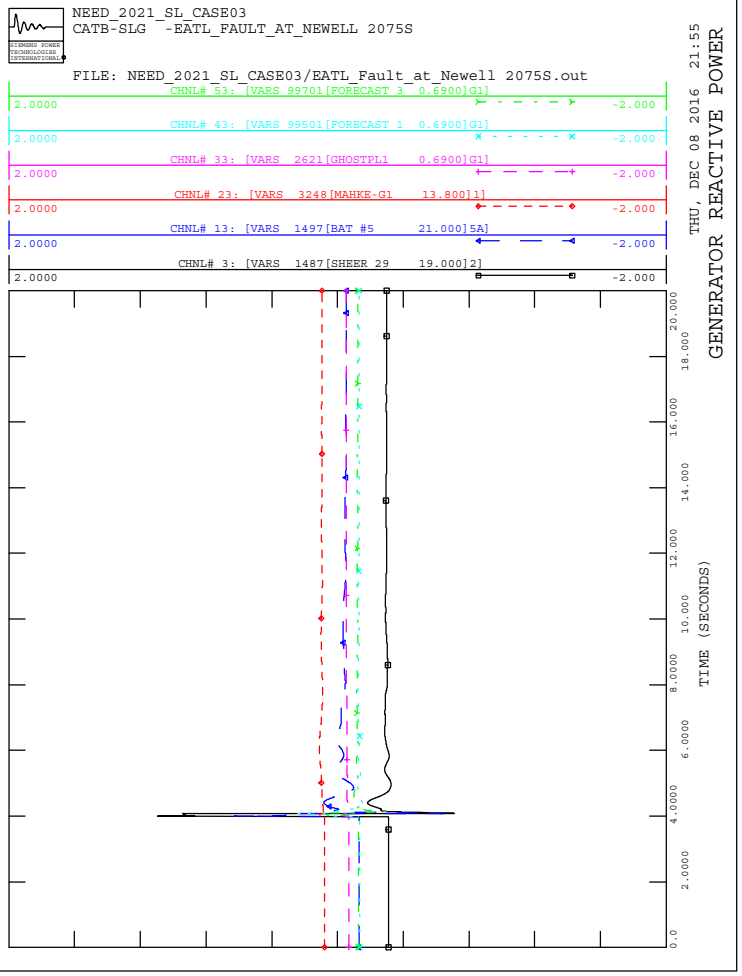
MACHINE ANGLE




NEED_2021_SL_CASE03
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
THU, DEC 08 2016 21:55
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
THU, DEC 08 2016 21:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
THU, DEC 08 2016 21:55
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: NEED_2021_SL_CASE03/EATL_Fault_at_Newell 2075S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
THU, DEC 08 2016 21:55
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

Transient Stability Analysis Plots

Existing System Prior to PENV Development

2021 Winter Peak

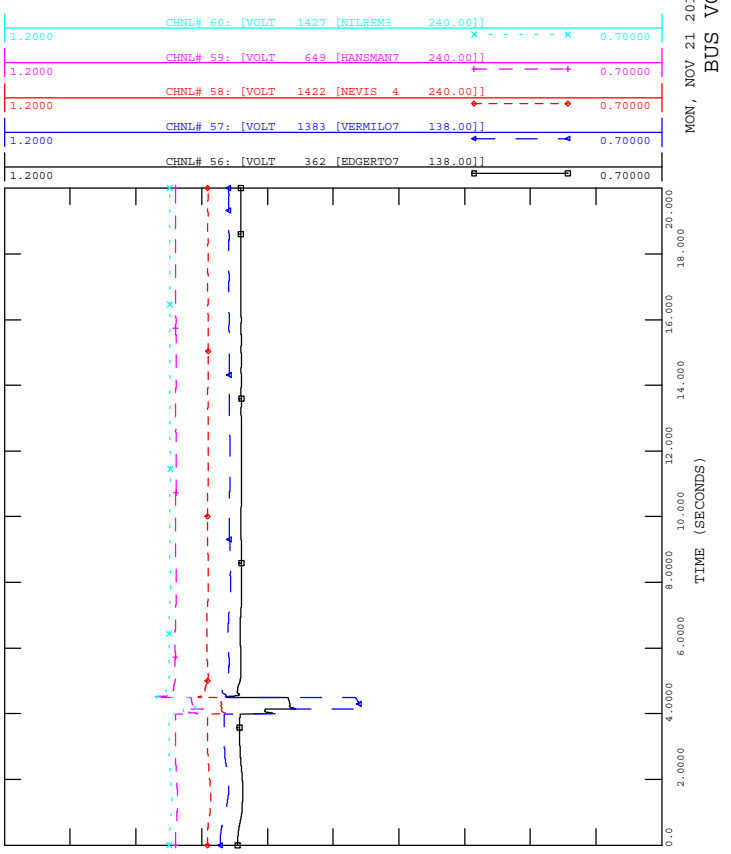
Category B (Single-line-to-ground Fault)

NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out

MON, NOV 21 2016 12:52

BUS VOLTAGE

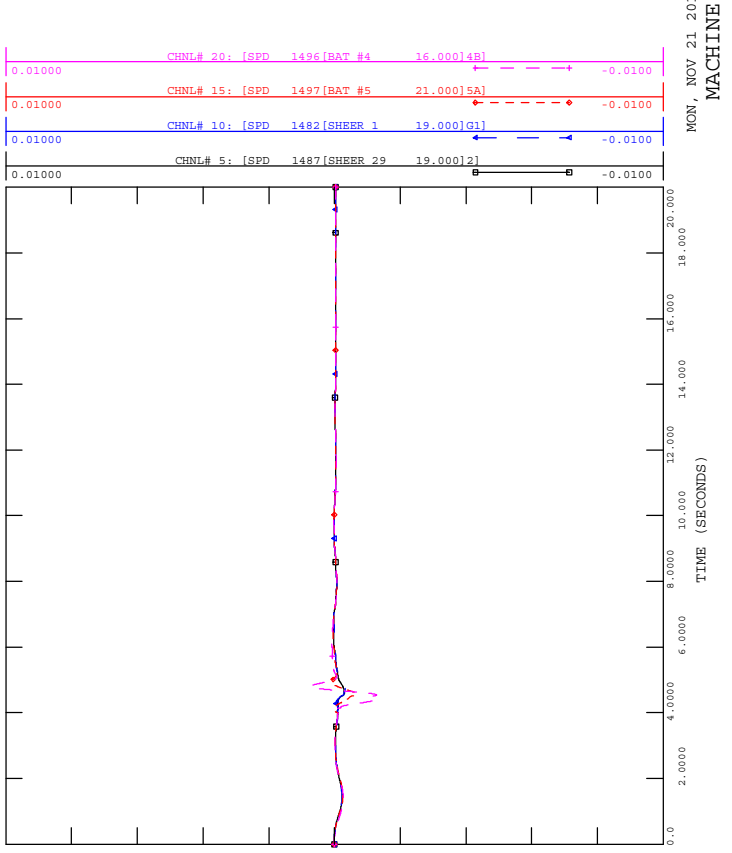


NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out

MON, NOV 21 2016 12:52

MACHINE SPEED

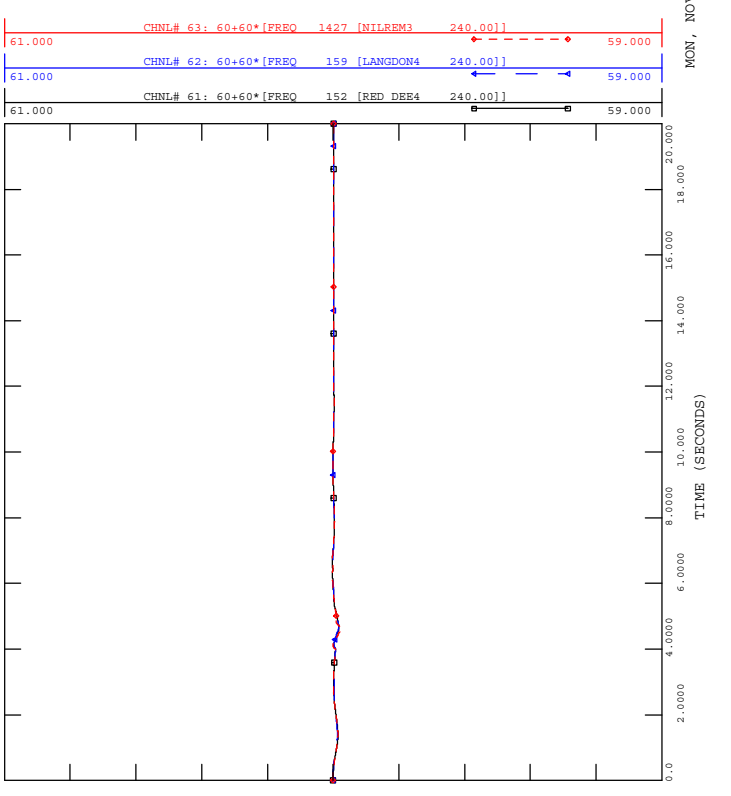


NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out

MON, NOV 21 2016 12:52

FREQUENCY

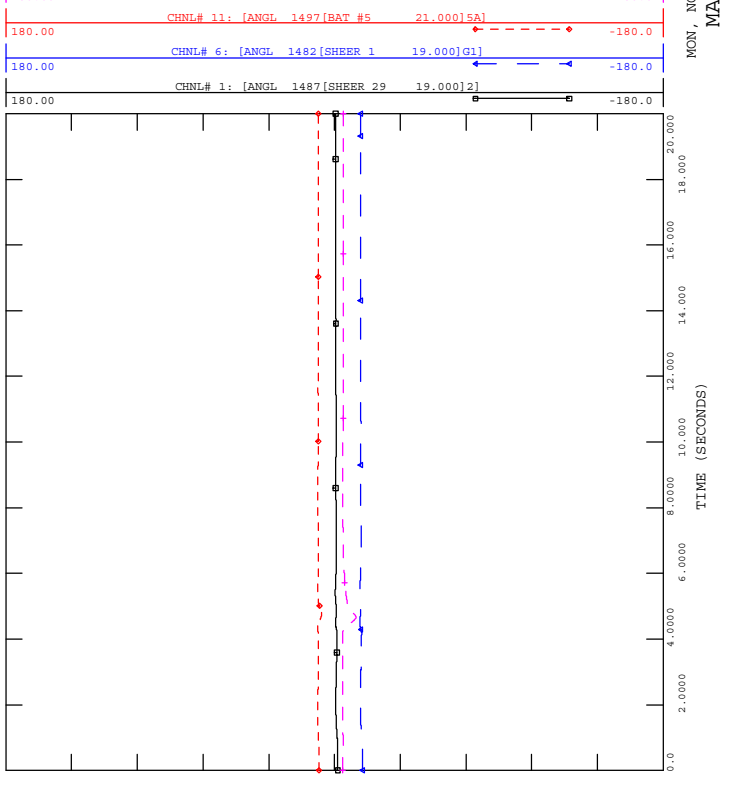


NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out

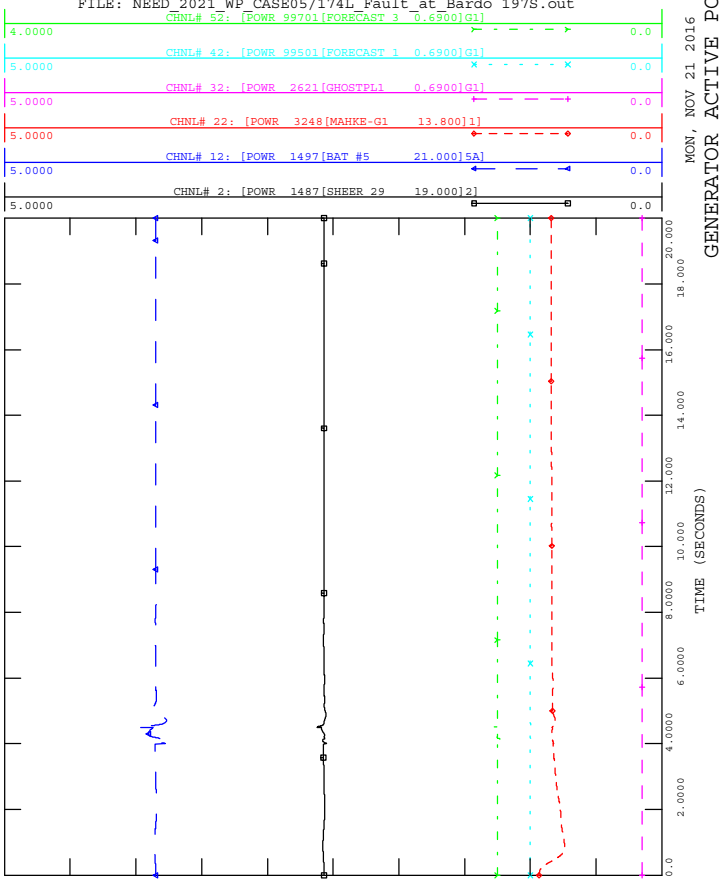
MON, NOV 21 2016 12:52

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_BARDO 197S

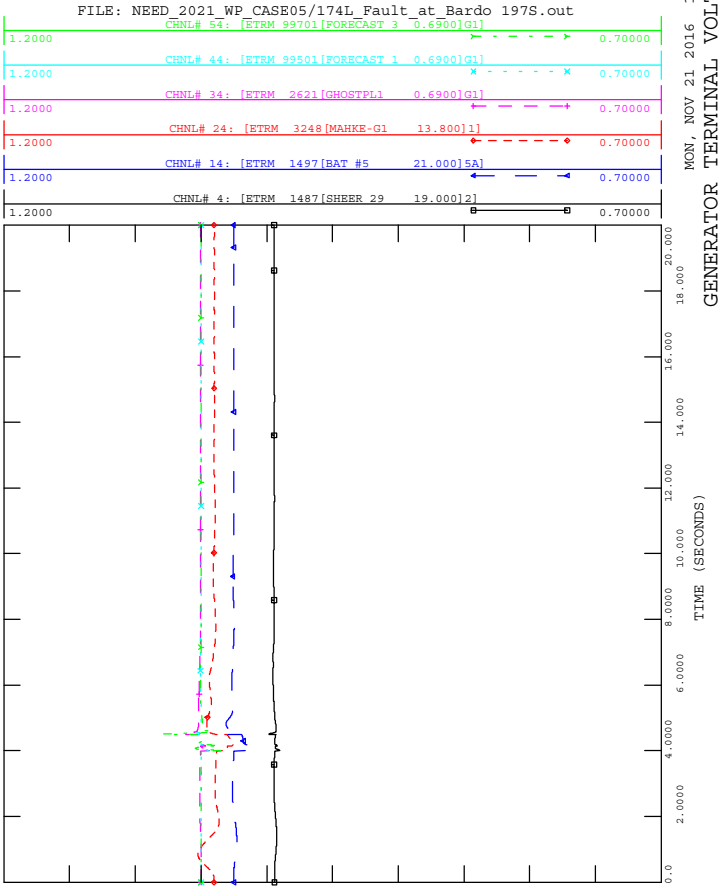
FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out



MON, NOV 21 2016 12:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_BARDO 197S

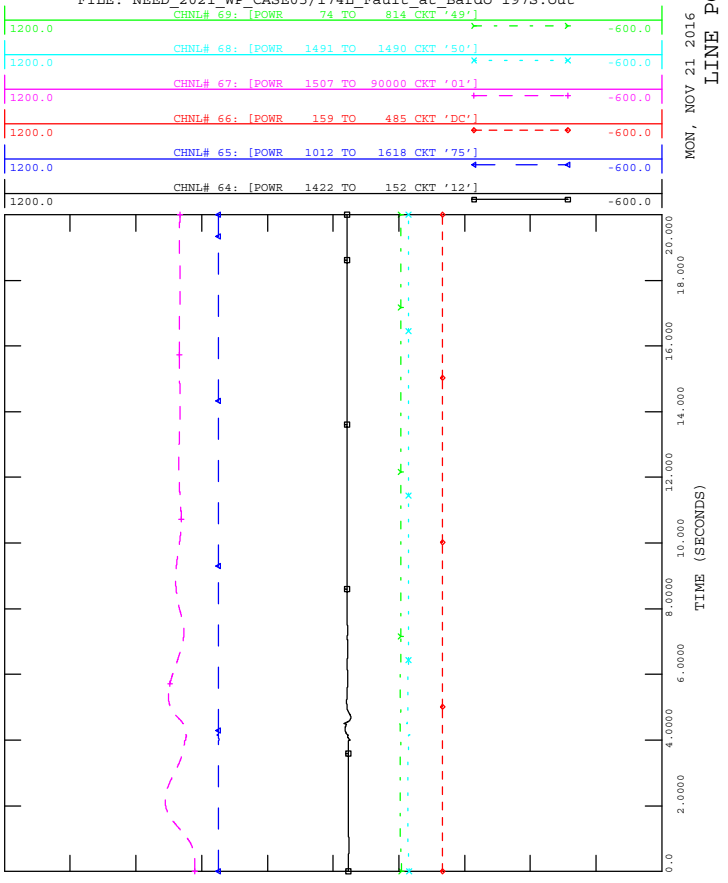
FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out



MON, NOV 21 2016 12:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_BARDO 197S

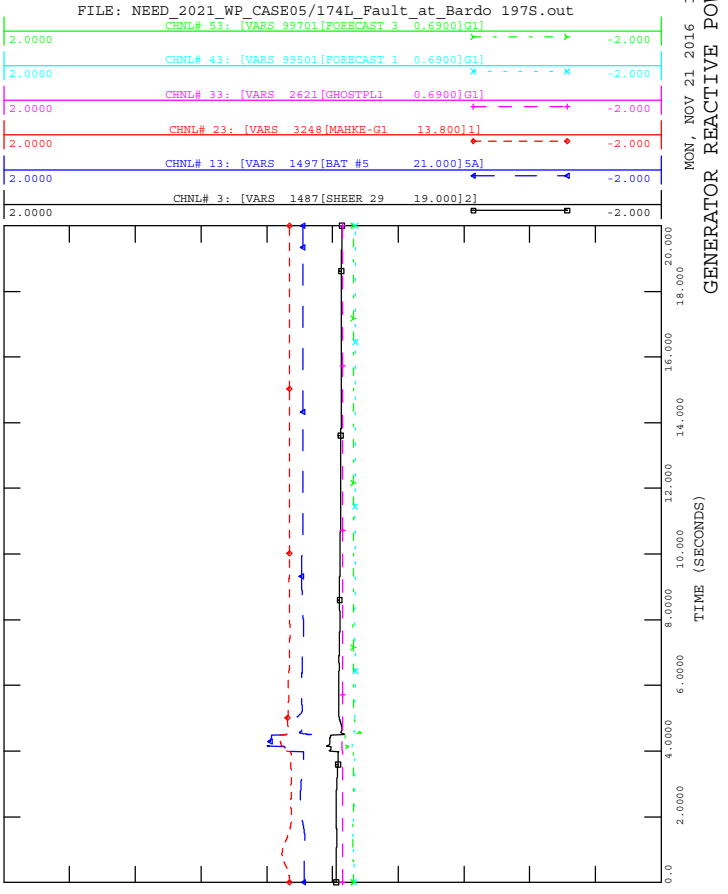
FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out



MON, NOV 21 2016 12:52
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_BARDO 197S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_Bardo 197S.out



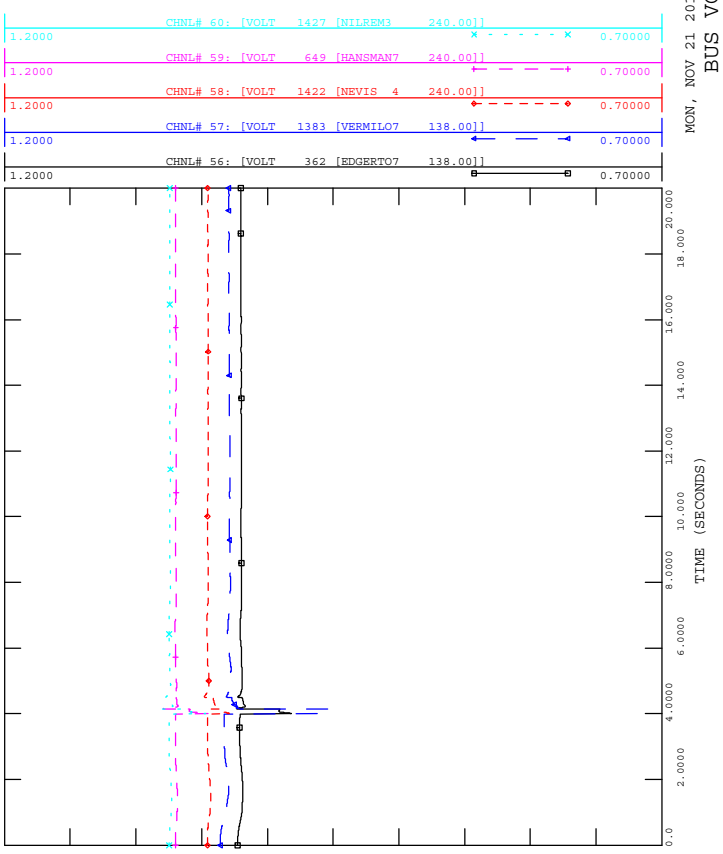
MON, NOV 21 2016 12:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:52

BUS VOLTAGE

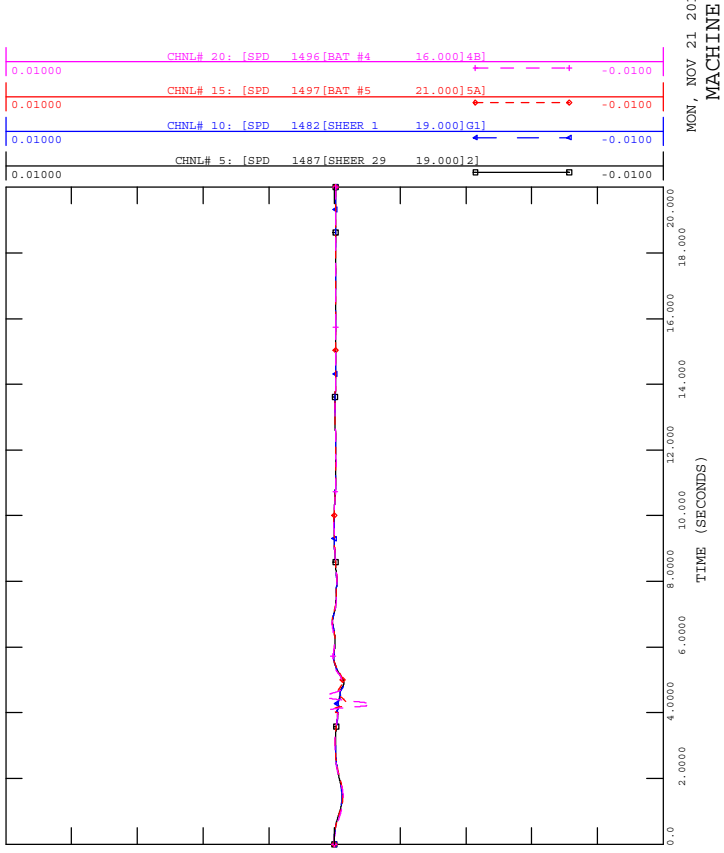


NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:52

MACHINE SPEED

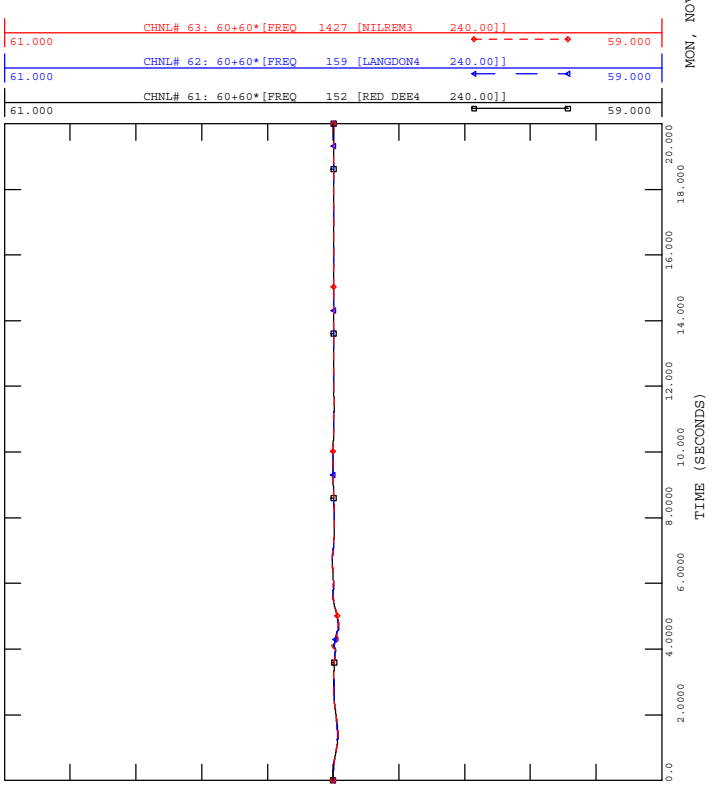


NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:52

FREQUENCY

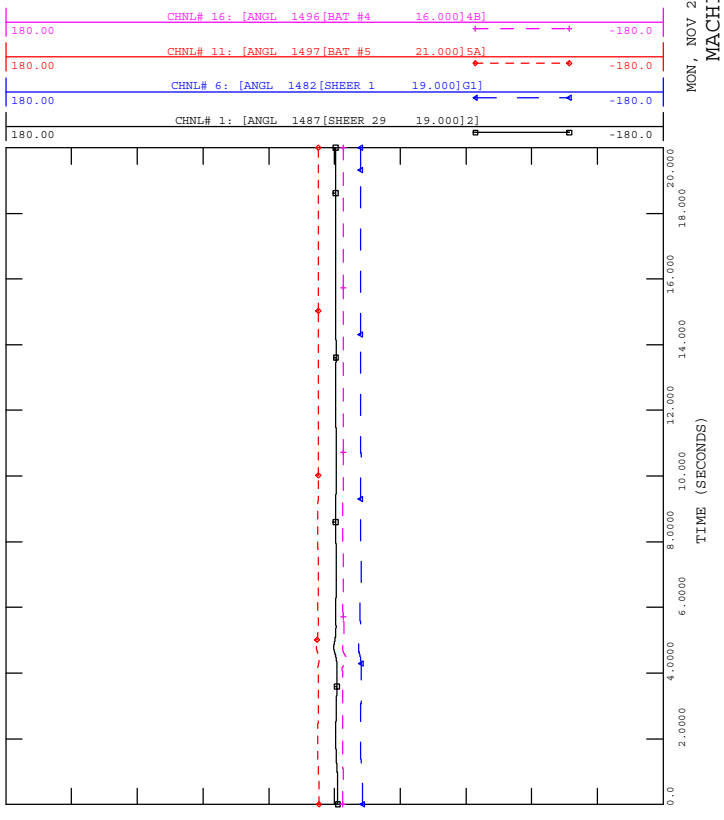


NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

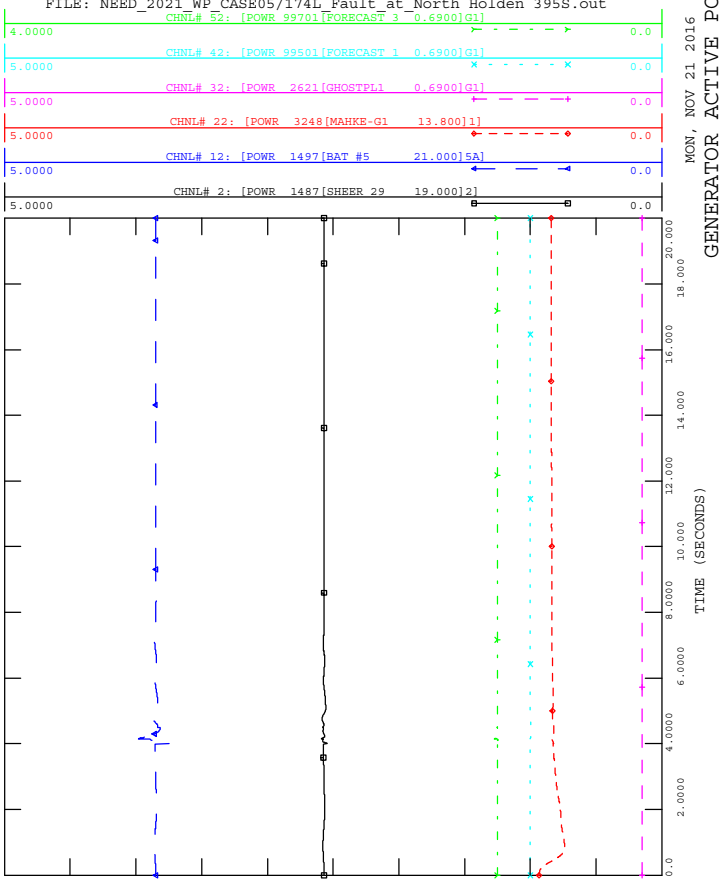
MON, NOV 21 2016 12:52

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

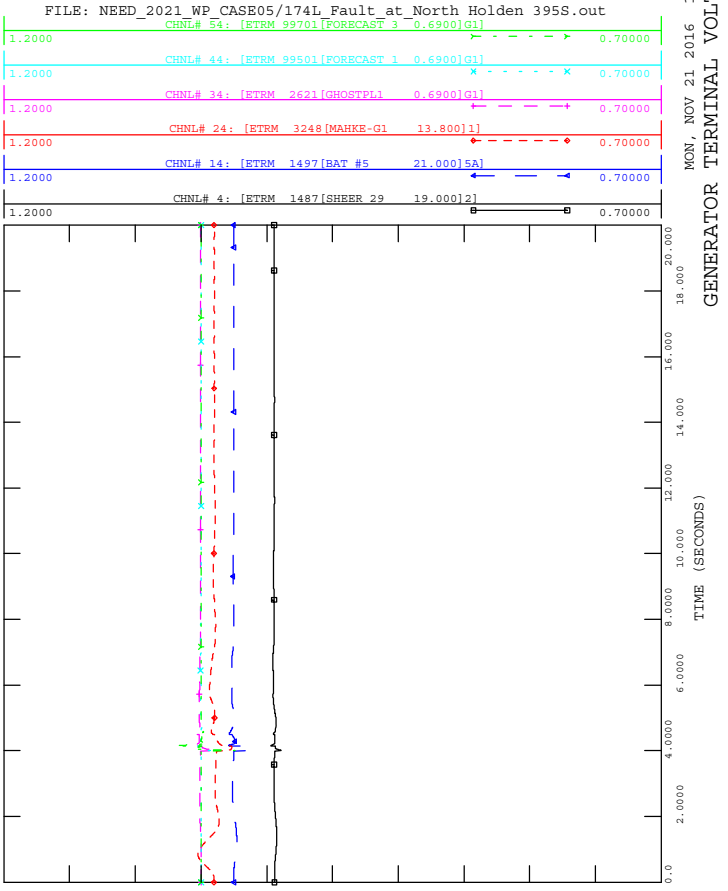


MON, NOV 21 2016 12:52

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

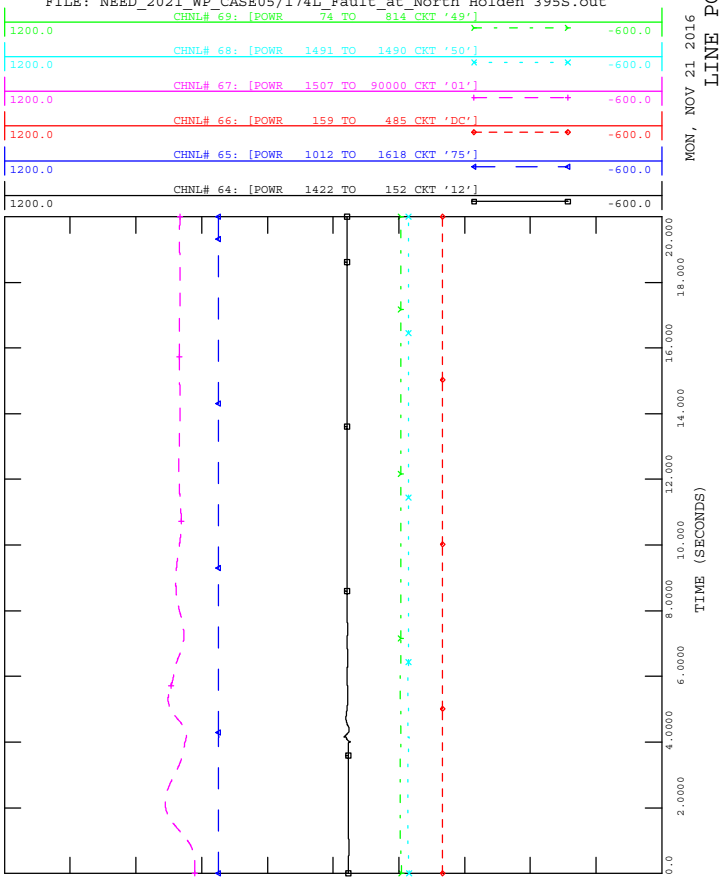


MON, NOV 21 2016 12:52

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out

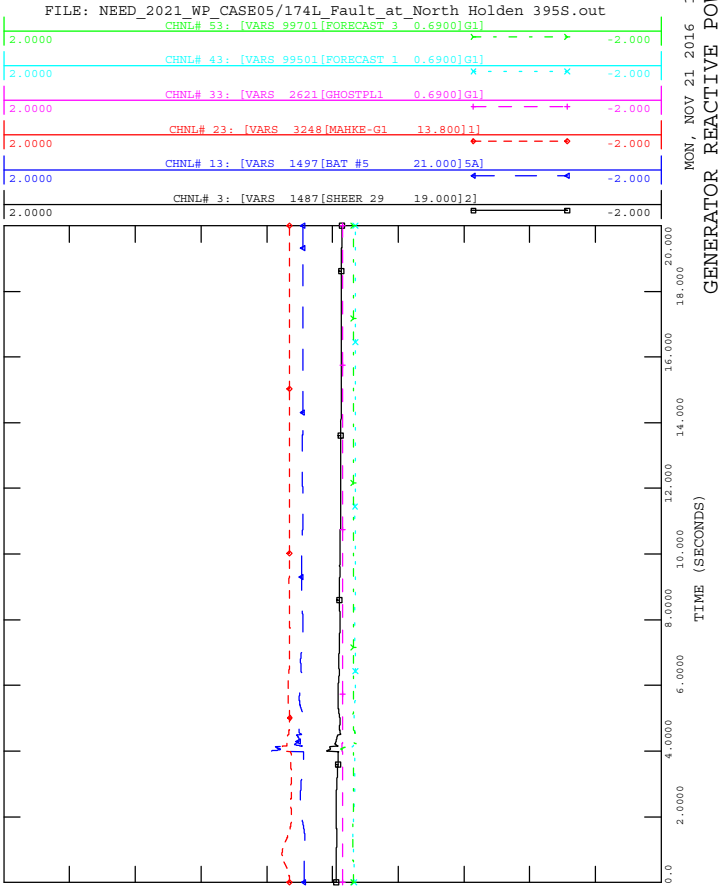


MON, NOV 21 2016 12:52

LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -174L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/174L_Fault_at_North Holden 395S.out



MON, NOV 21 2016 12:52

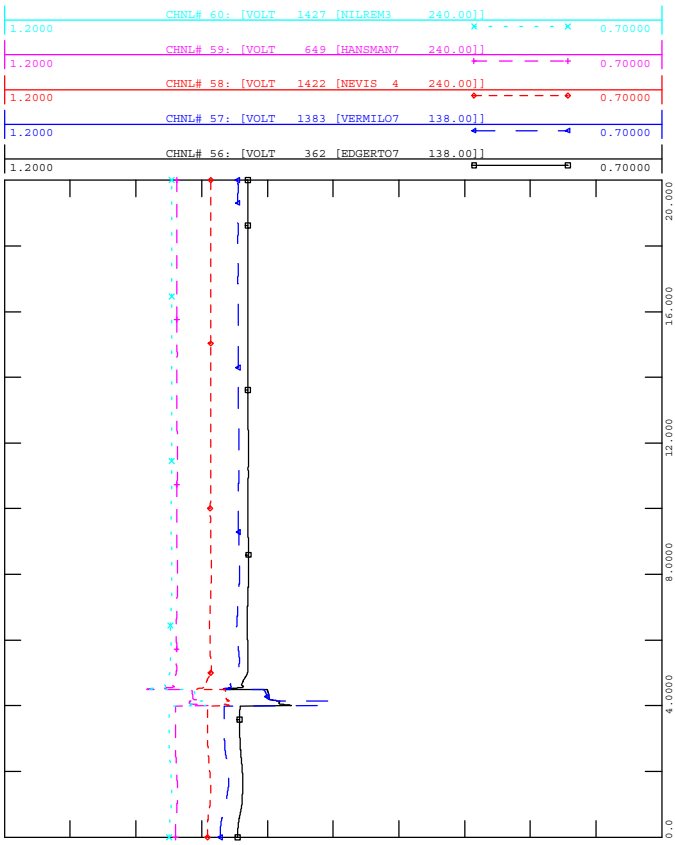
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:52

BUS VOLTAGE

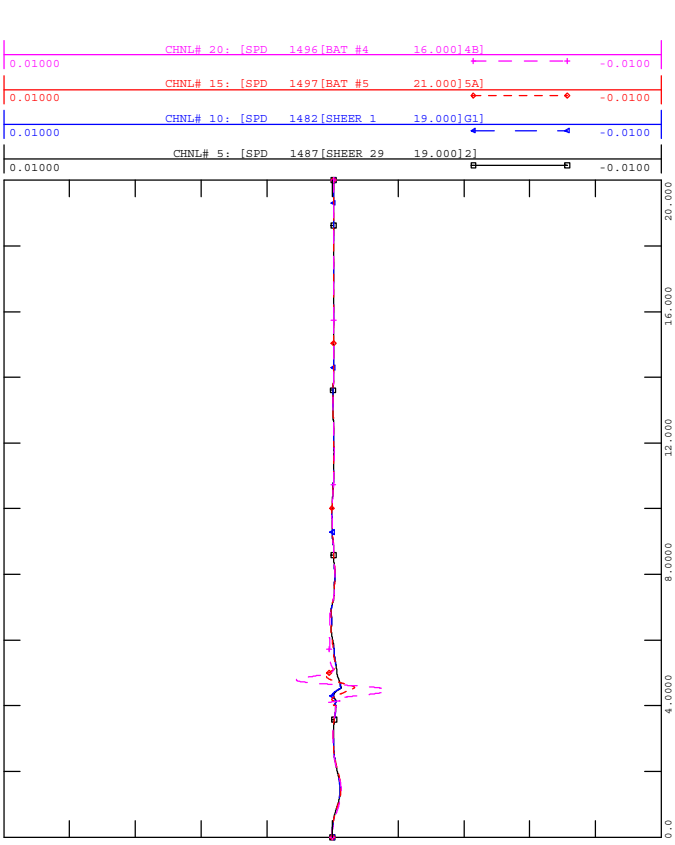


NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:52

MACHINE SPEED

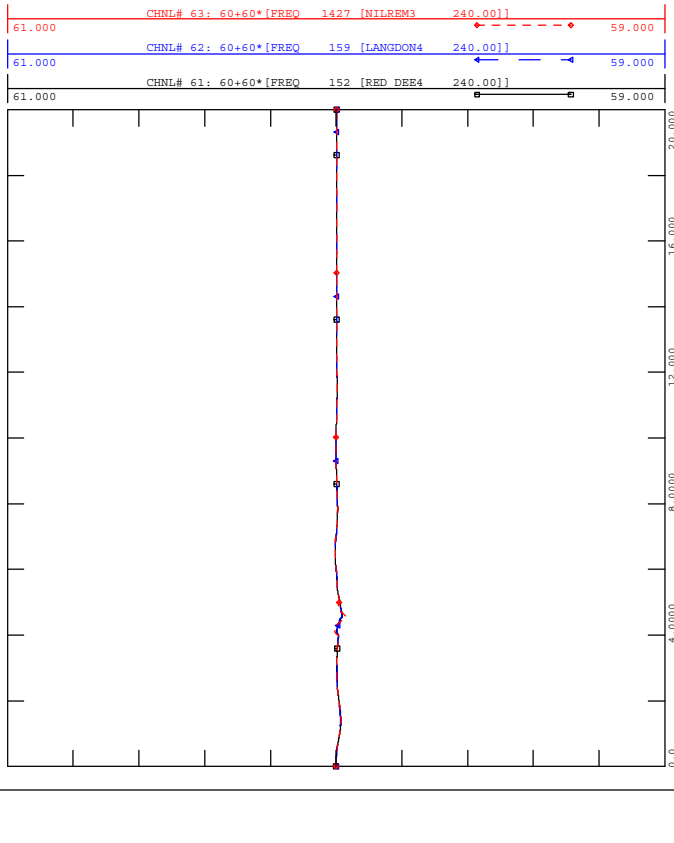


NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out

MON, NOV 21 2016 12:52

FREQUENCY

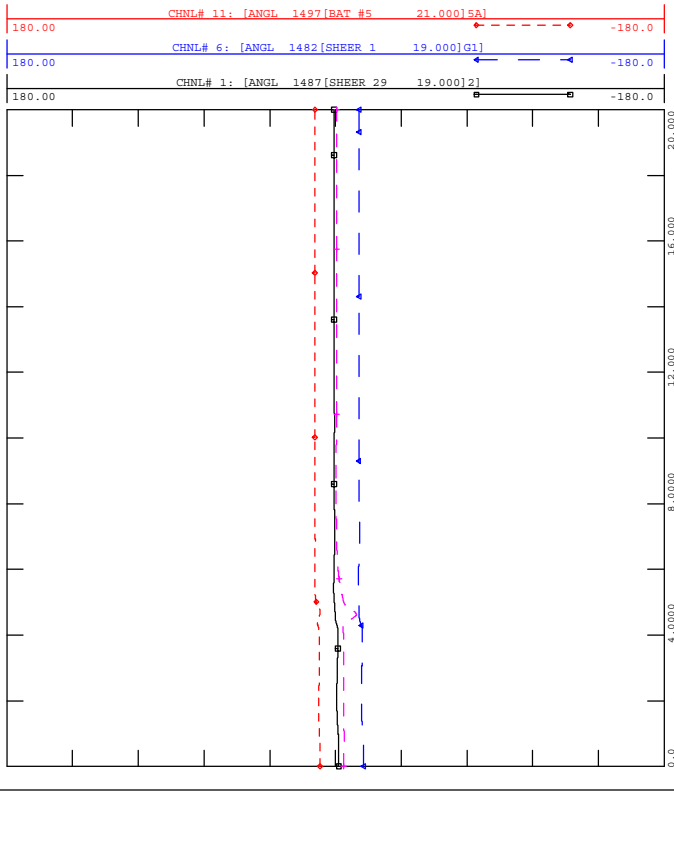


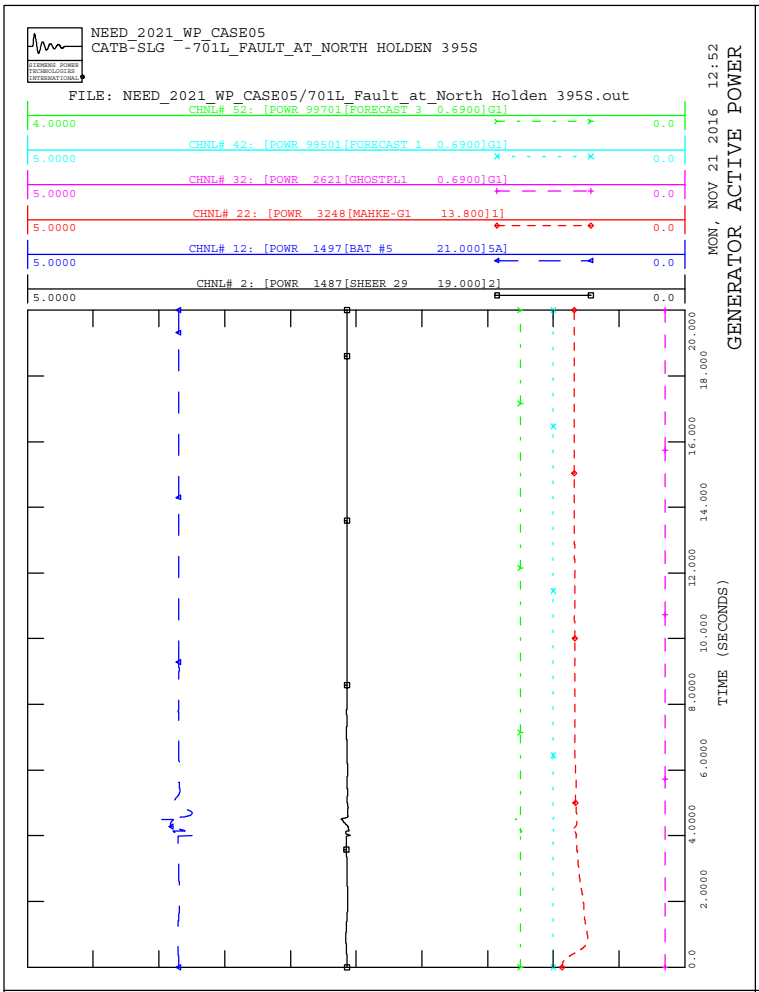
NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

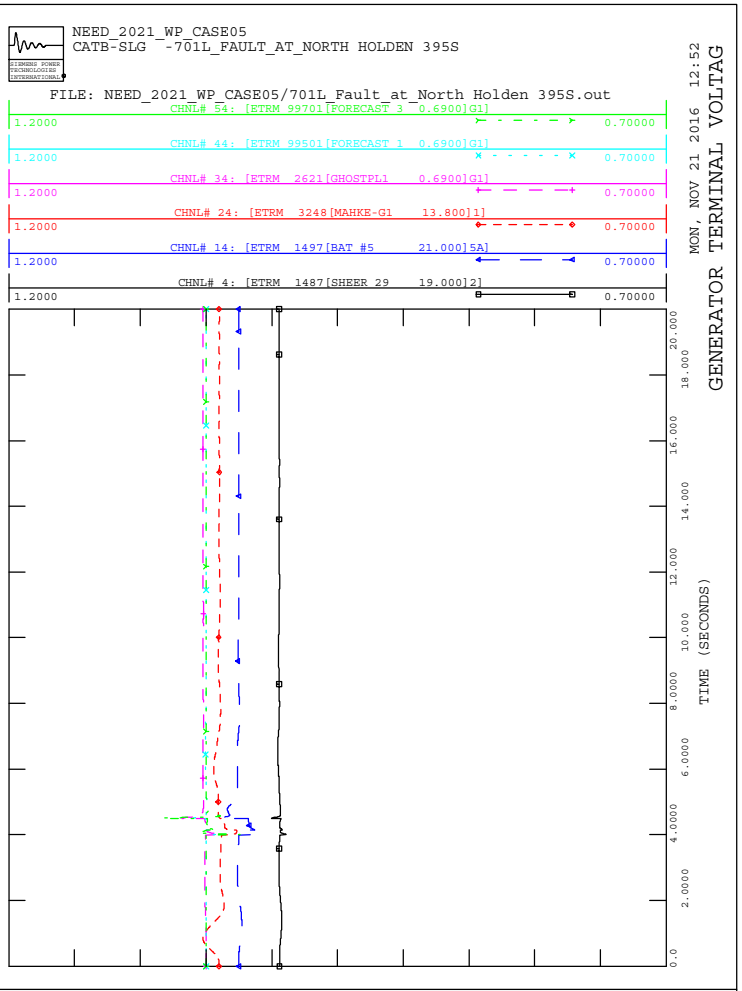
FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out

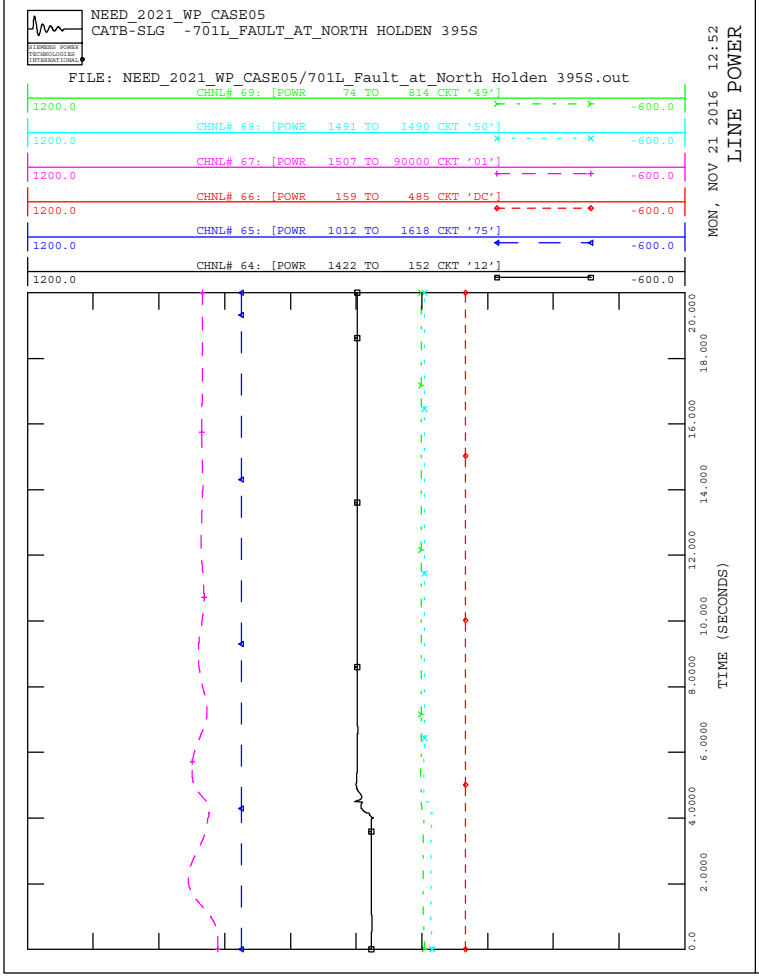
MON, NOV 21 2016 12:52

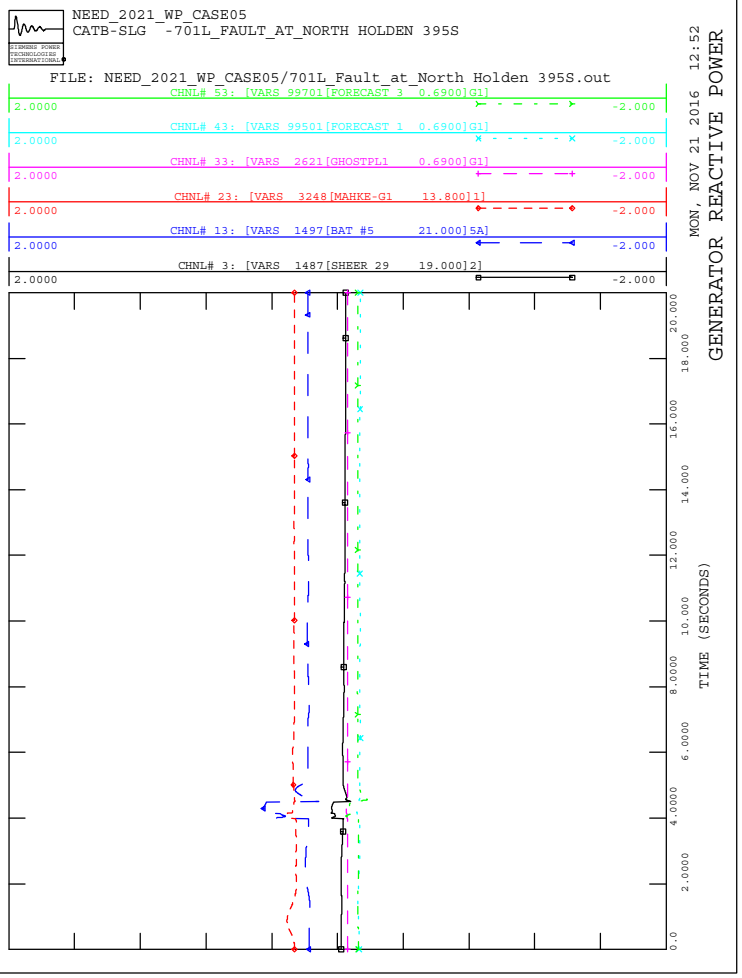
MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 12:52
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 21 2016 12:52
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 21 2016 12:52
LINE POWER

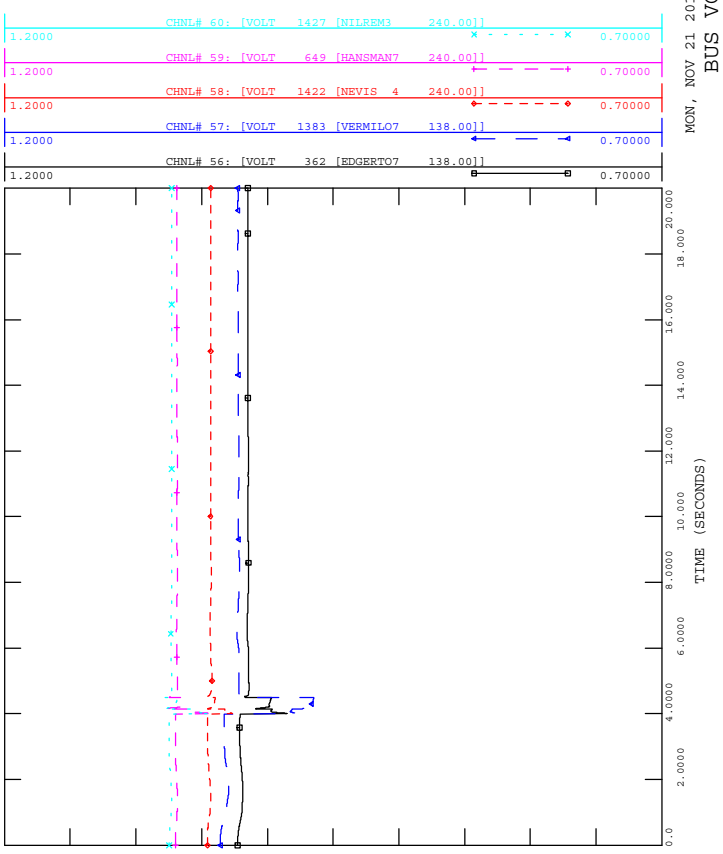

NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: NEED_2021_WP_CASE05/701L_Fault_at_North Holden 395S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 21 2016 12:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:52

BUS VOLTAGE

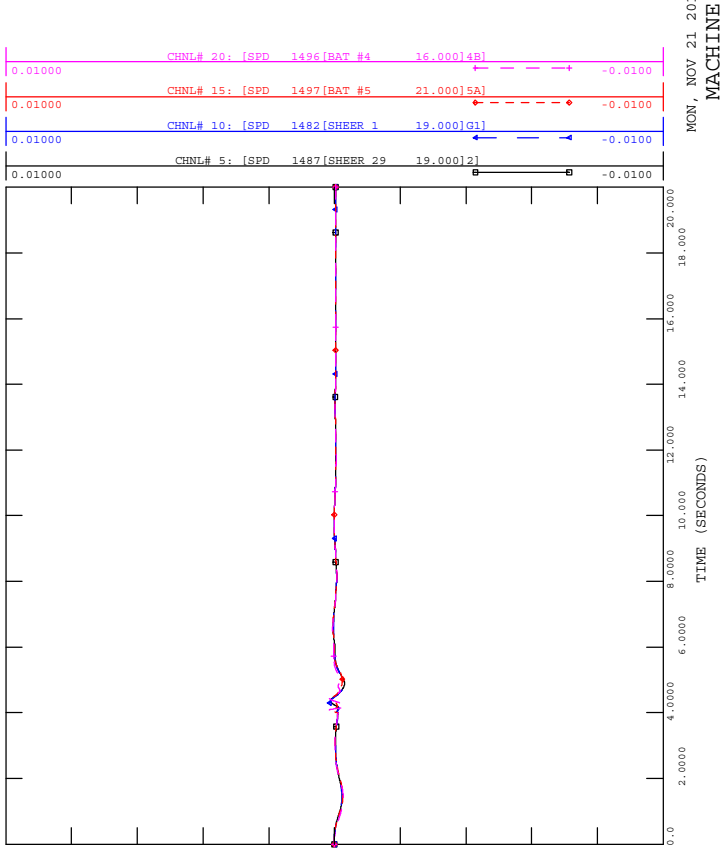


NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:52

MACHINE SPEED

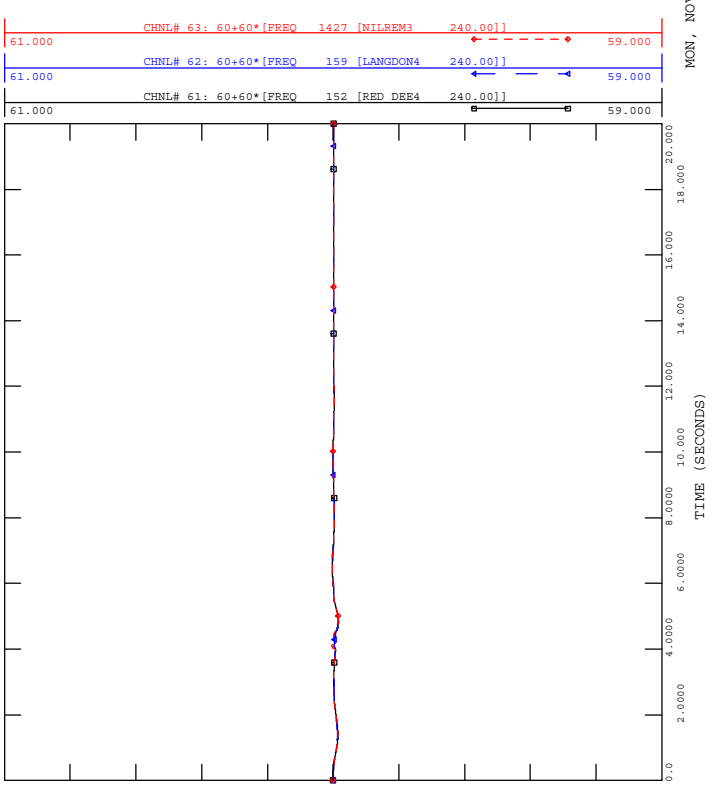


NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:52

FREQUENCY

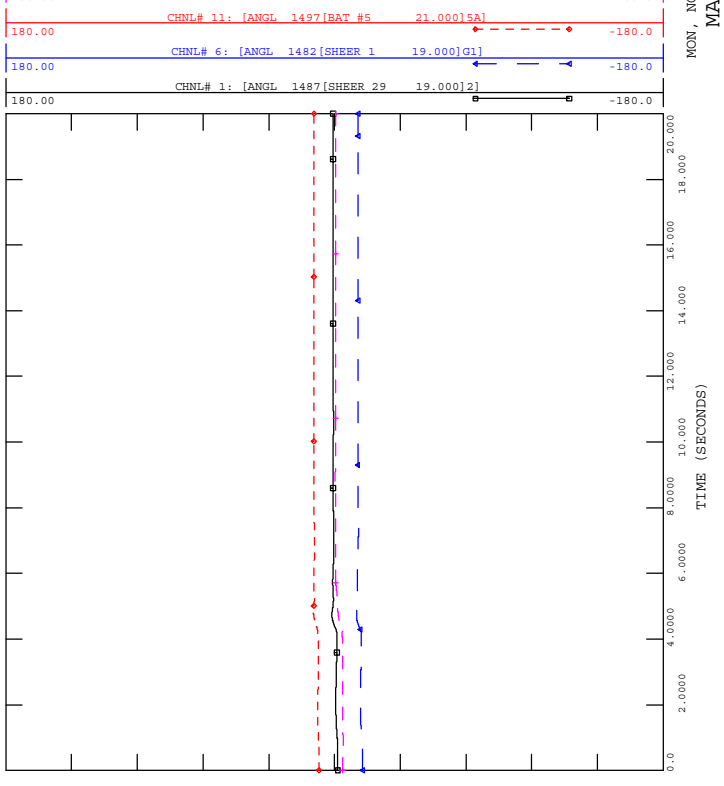


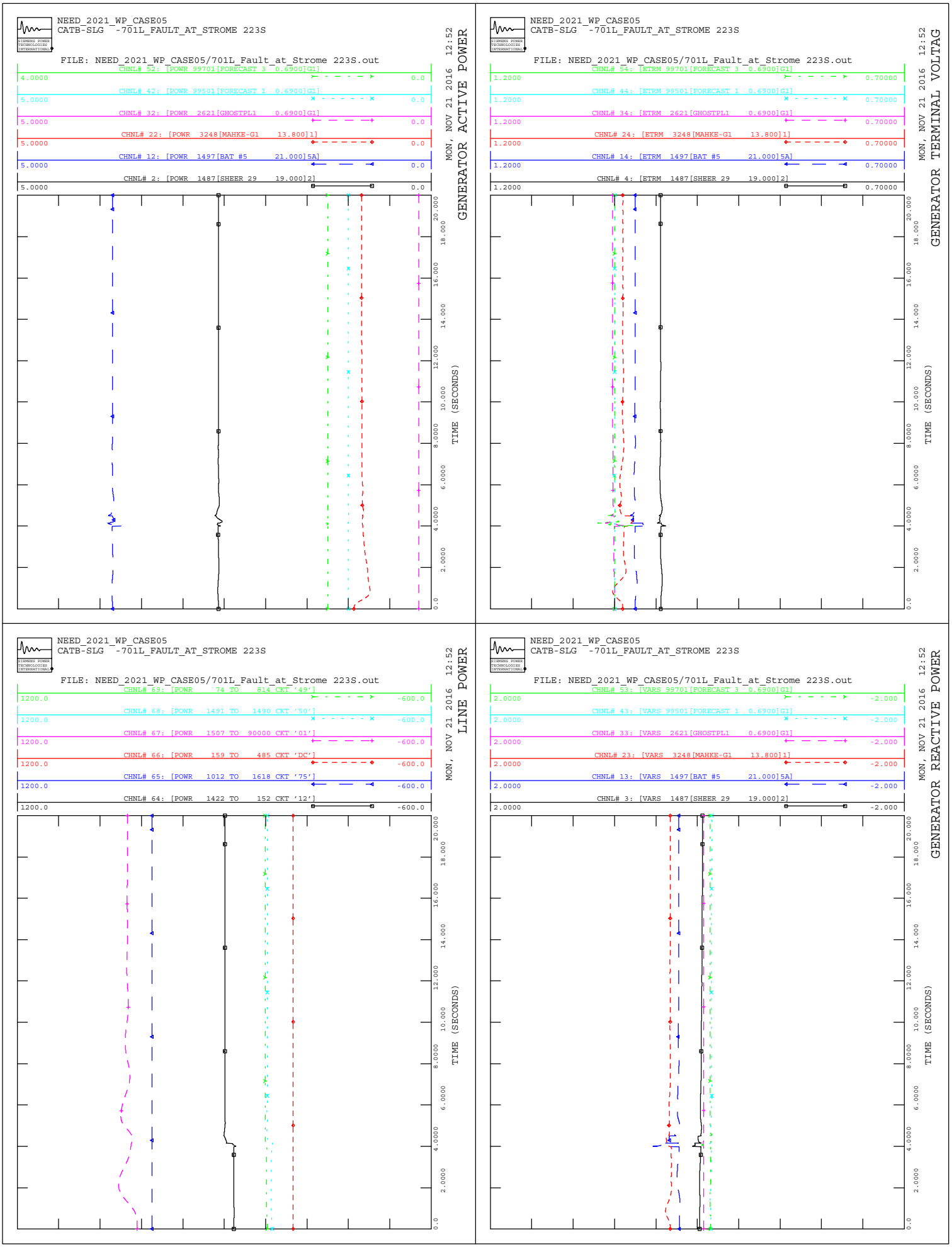
NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:52

MACHINE ANGEL



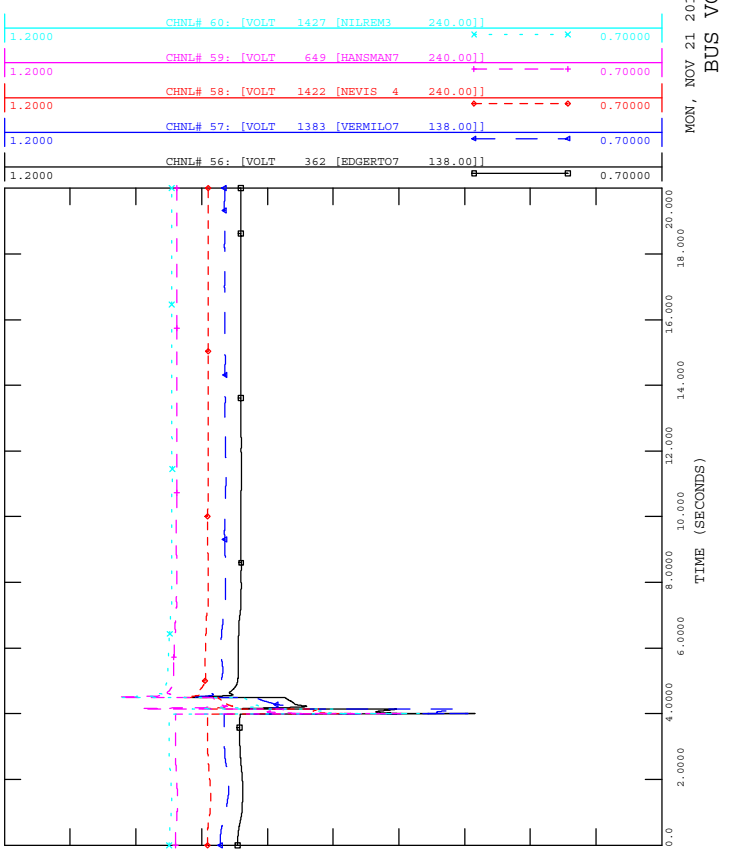

NEED_2021_WP_CASE05
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: NEED_2021_WP_CASE05/701L_Fault_at_Strome 223S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:52
TIME (SECONDS)
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

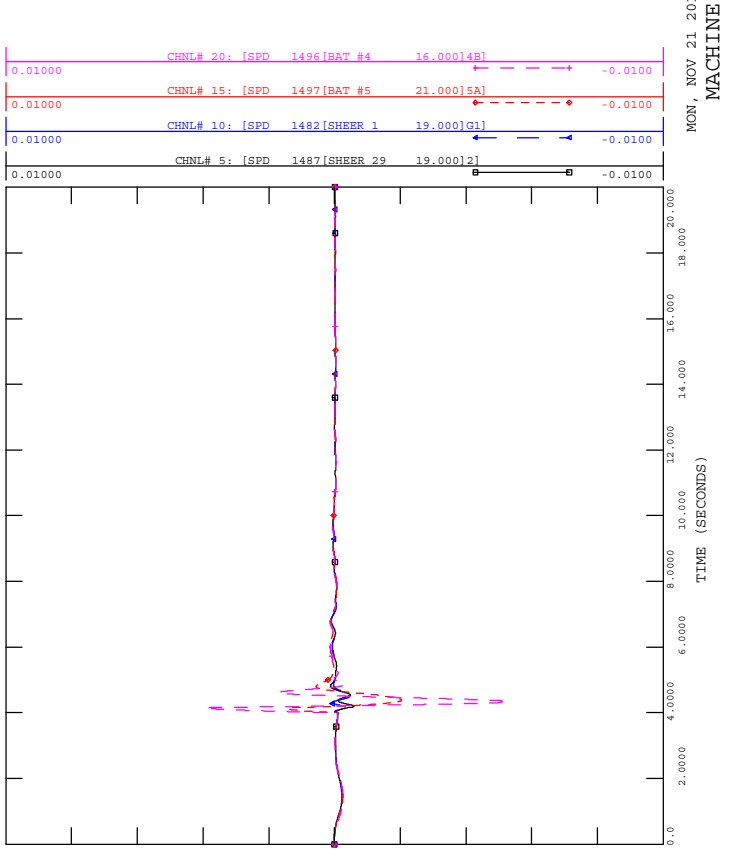


NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

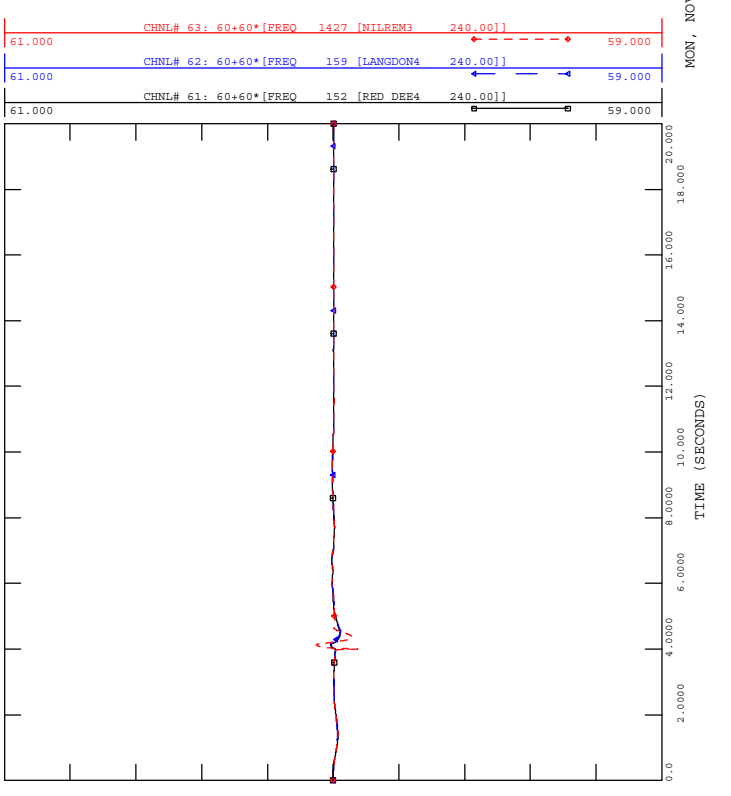


NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:53

FREQUENCY

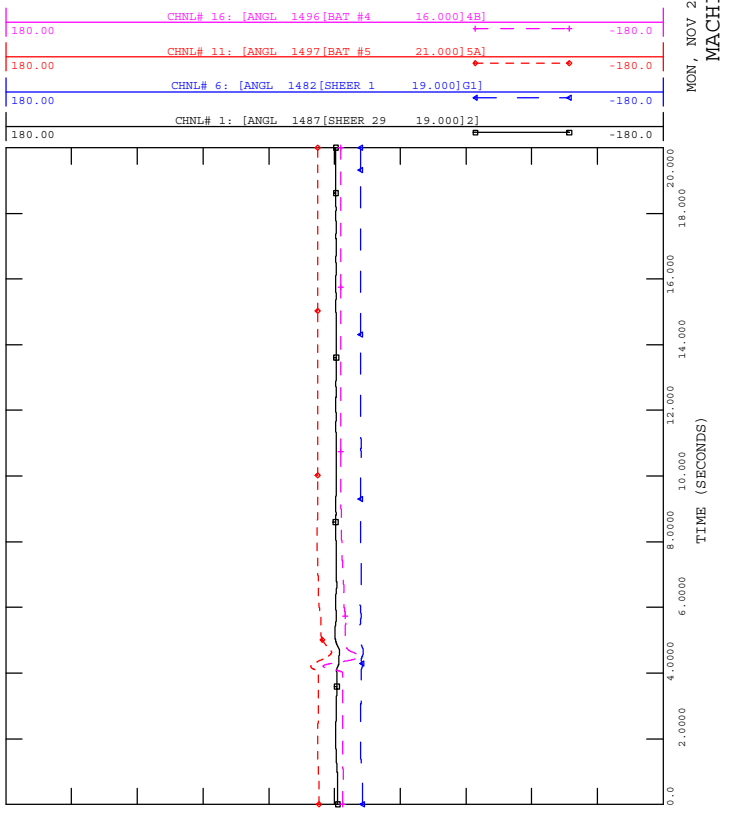


NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out

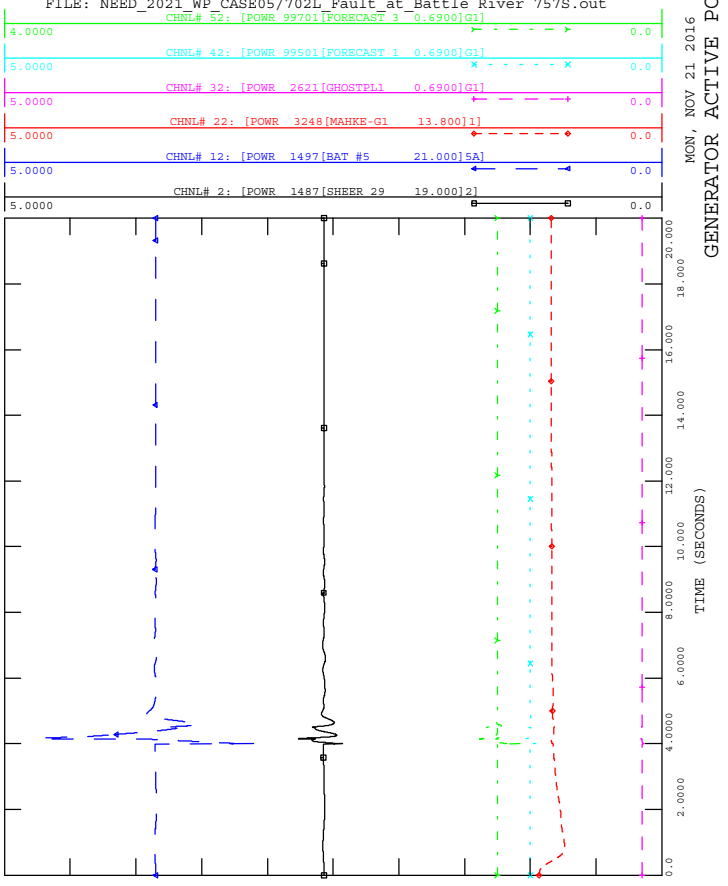
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

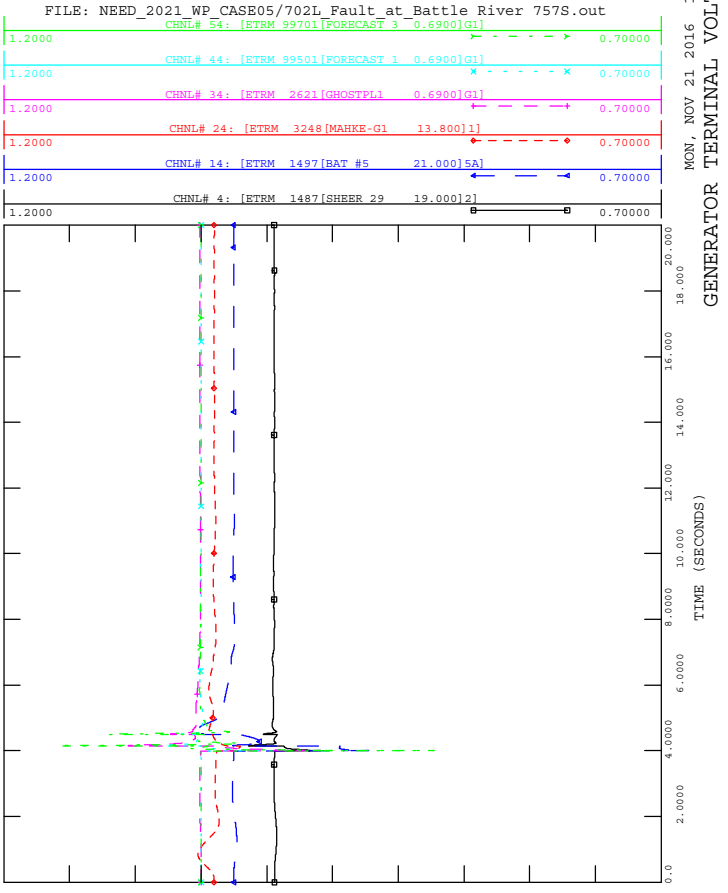
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

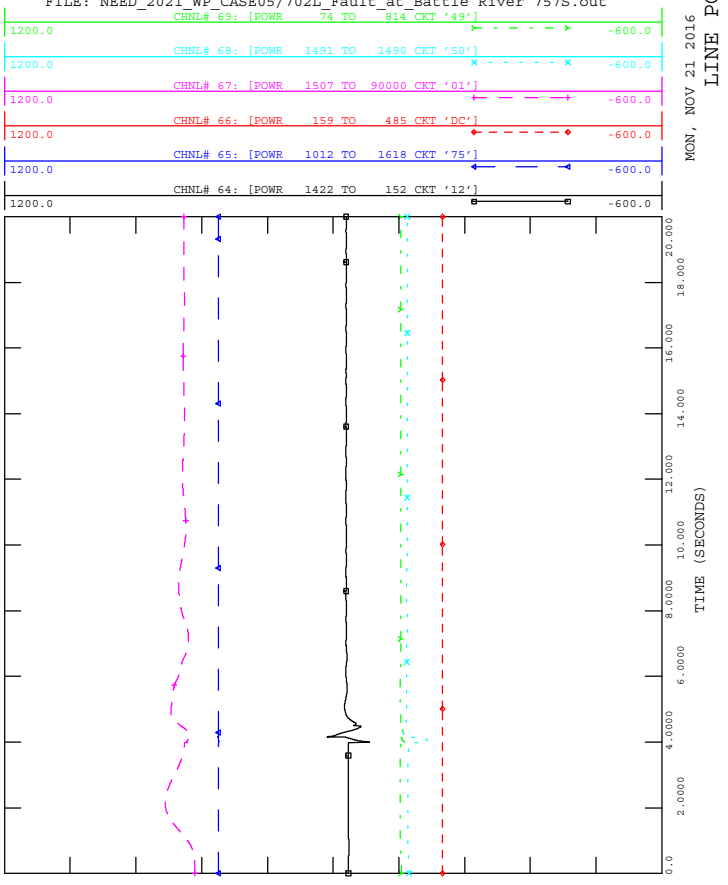
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

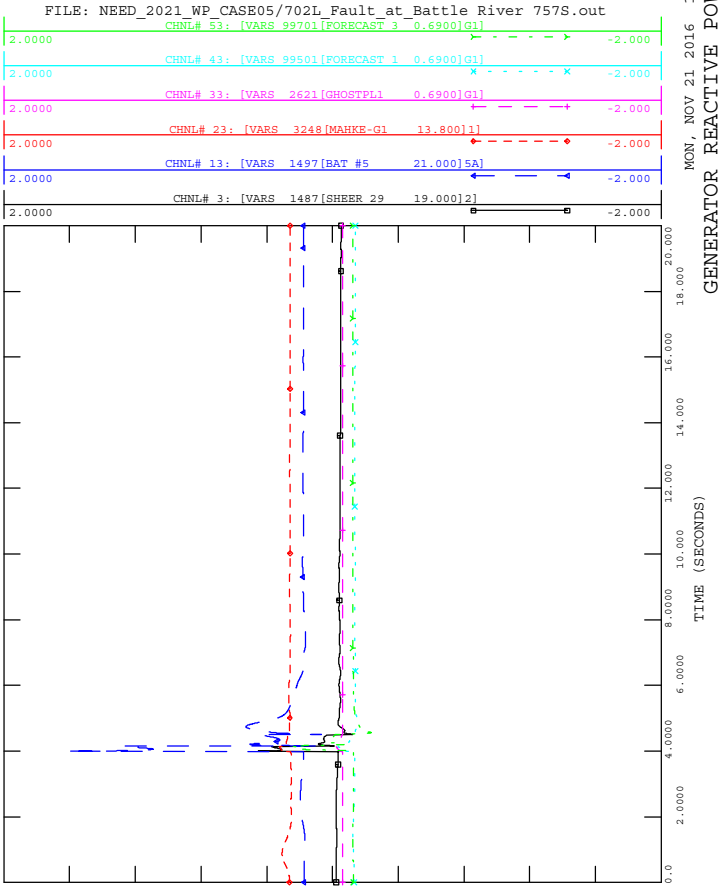
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Battle River 757S.out



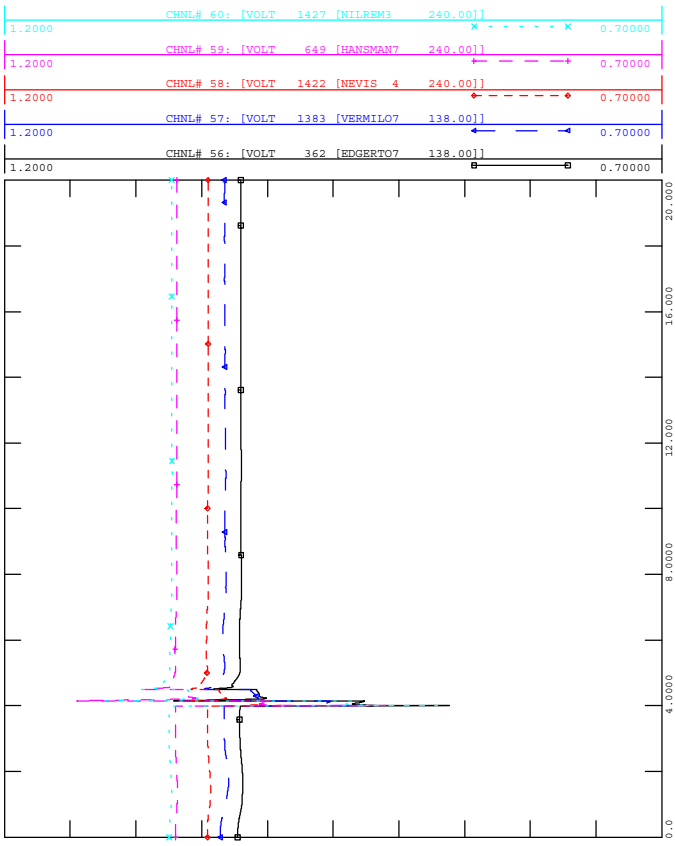
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

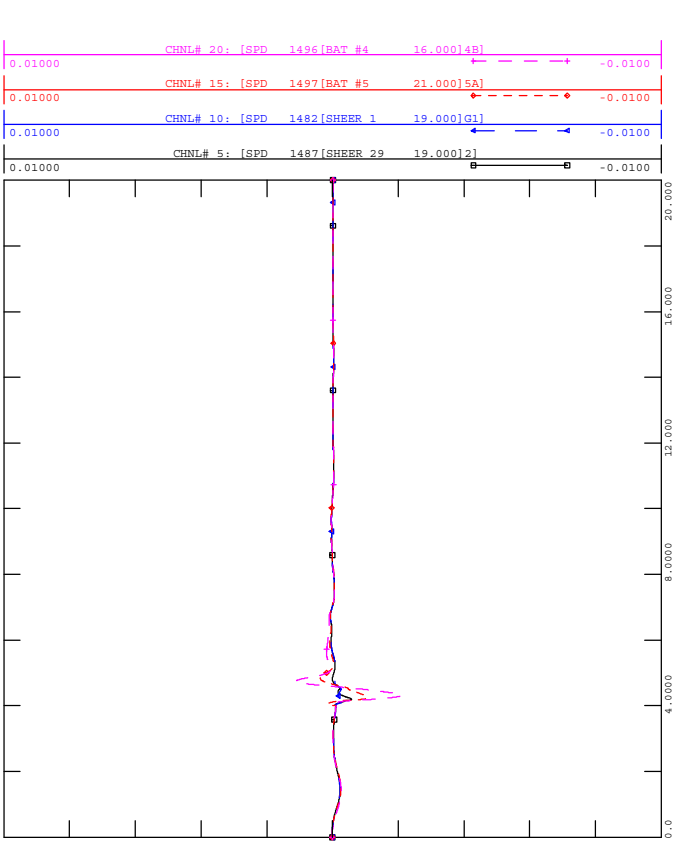


NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

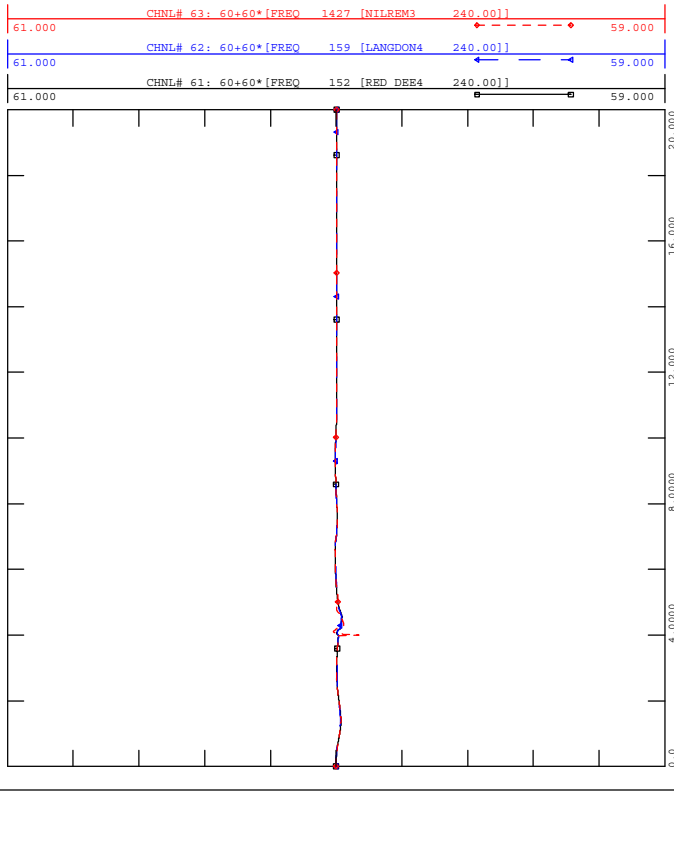


NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 12:53

FREQUENCY

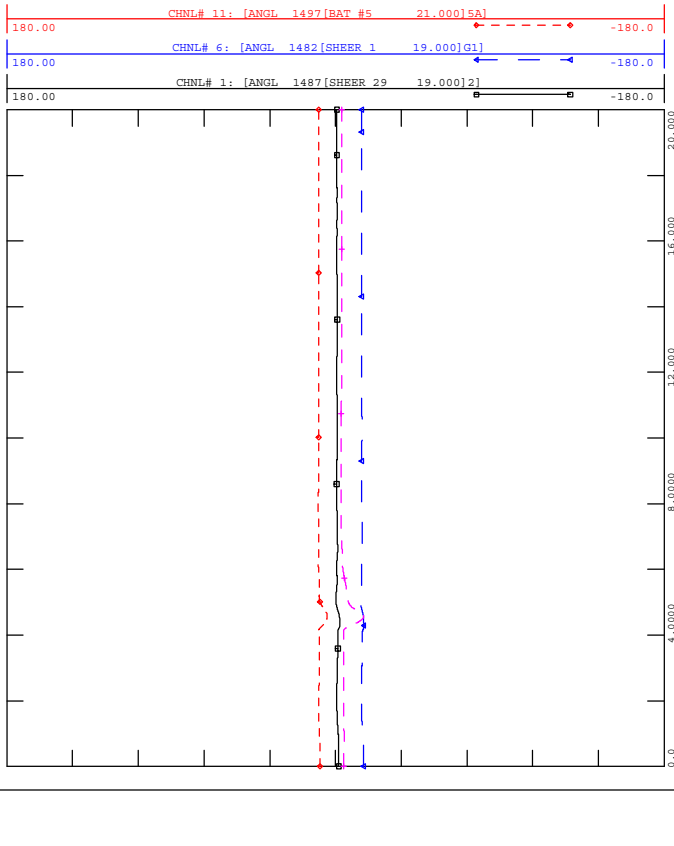


NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out

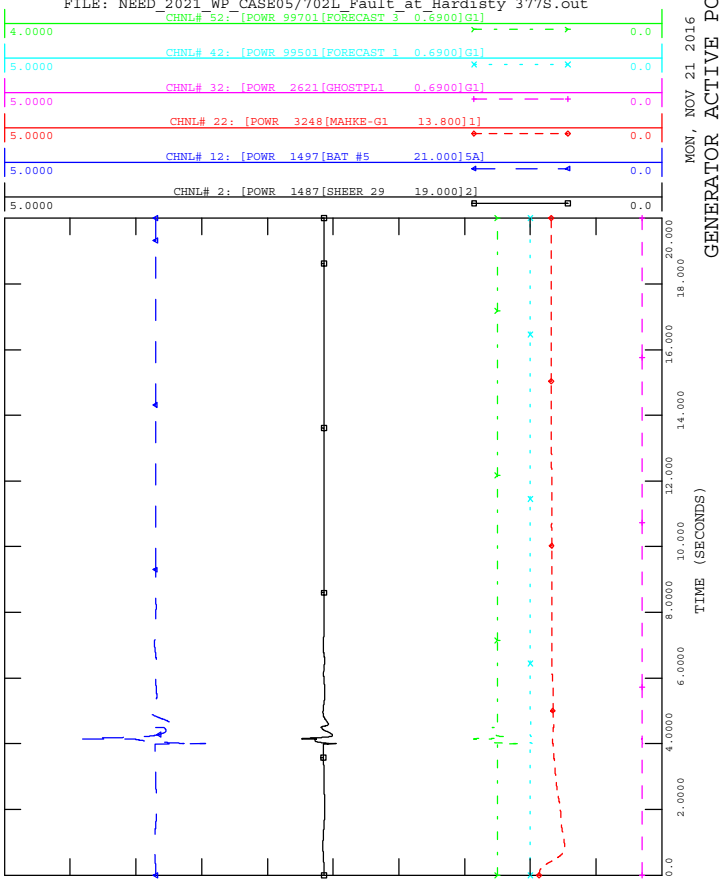
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

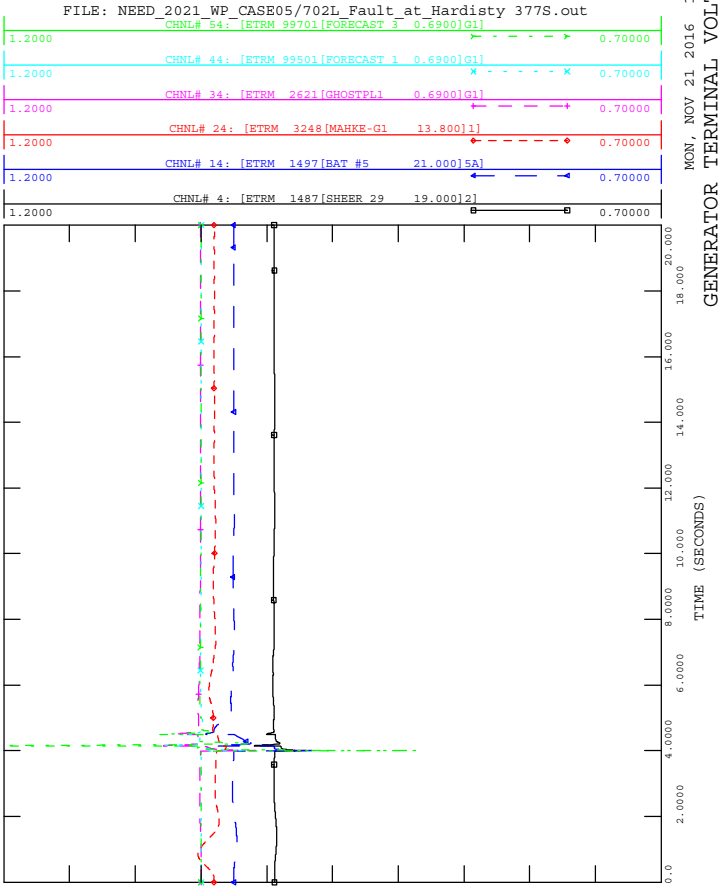
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

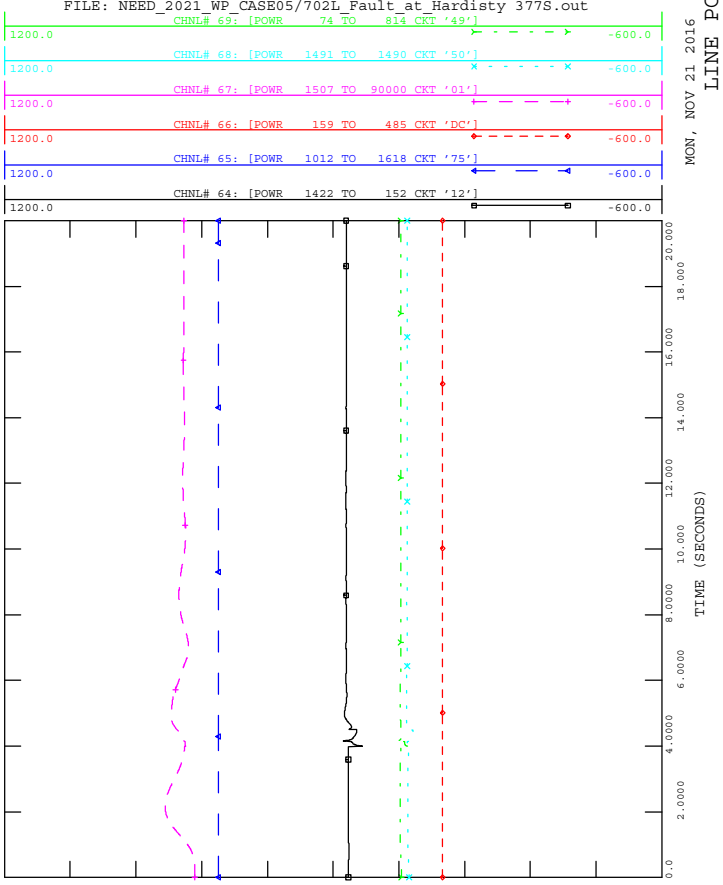
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

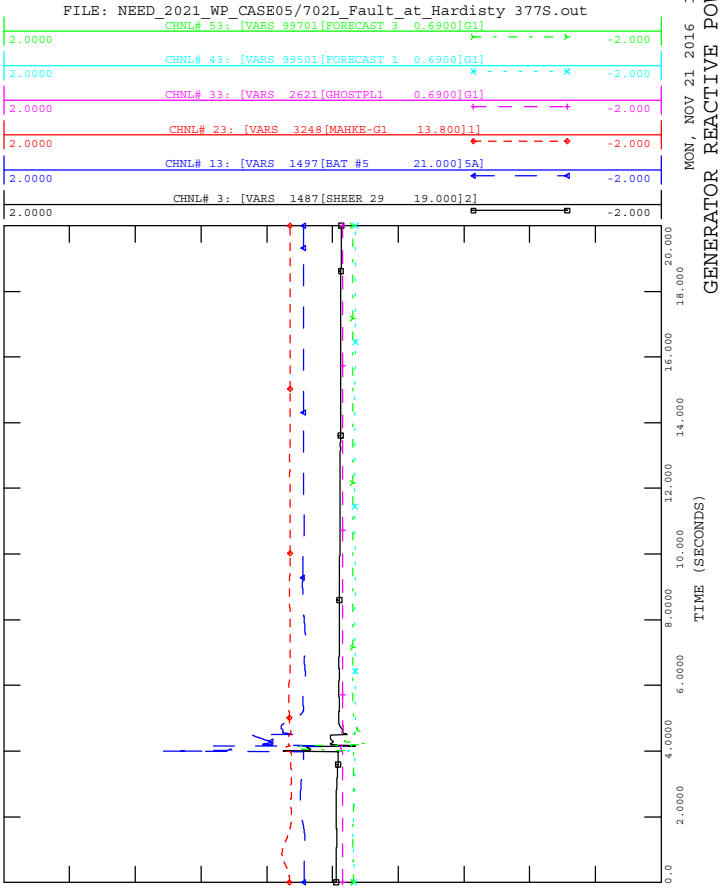
FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/702L_Fault_at_Hardisty 377S.out



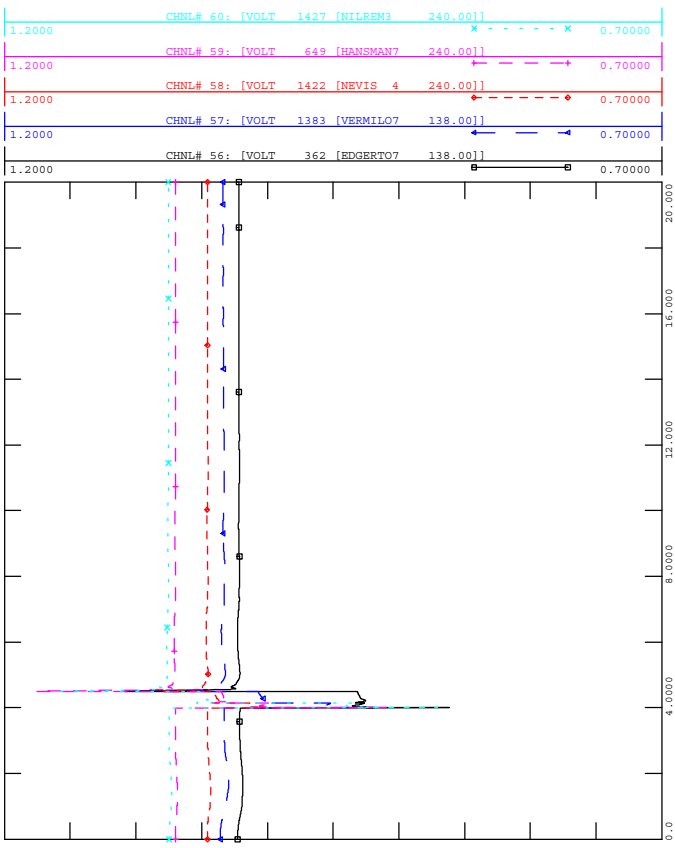
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

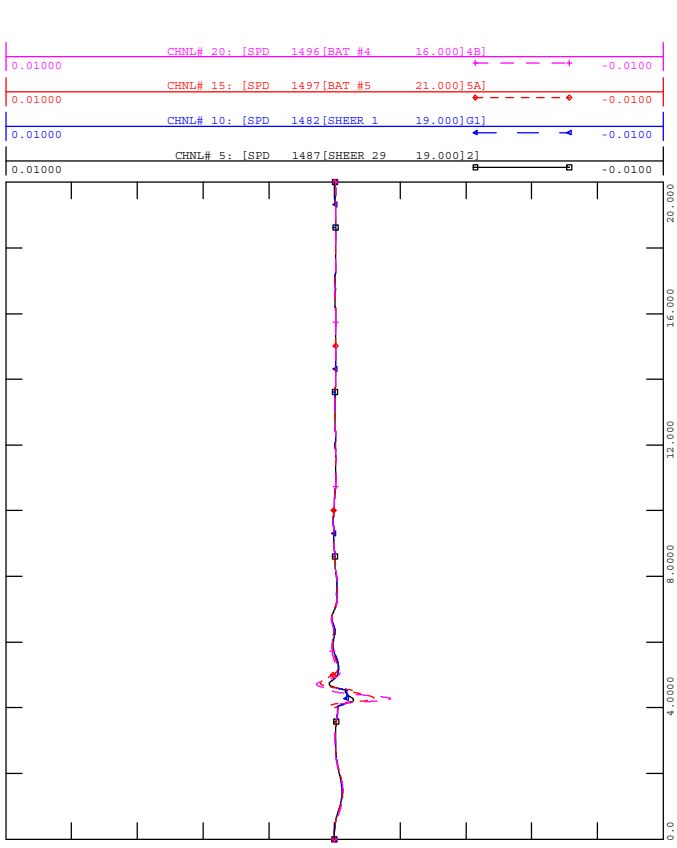


NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

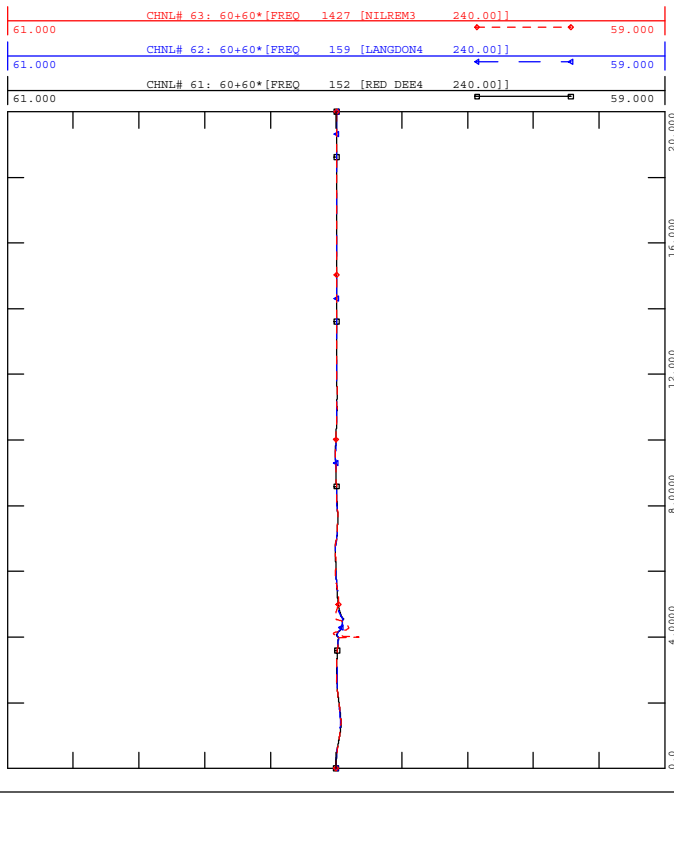


NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out

MON, NOV 21 2016 12:53

FREQUENCY

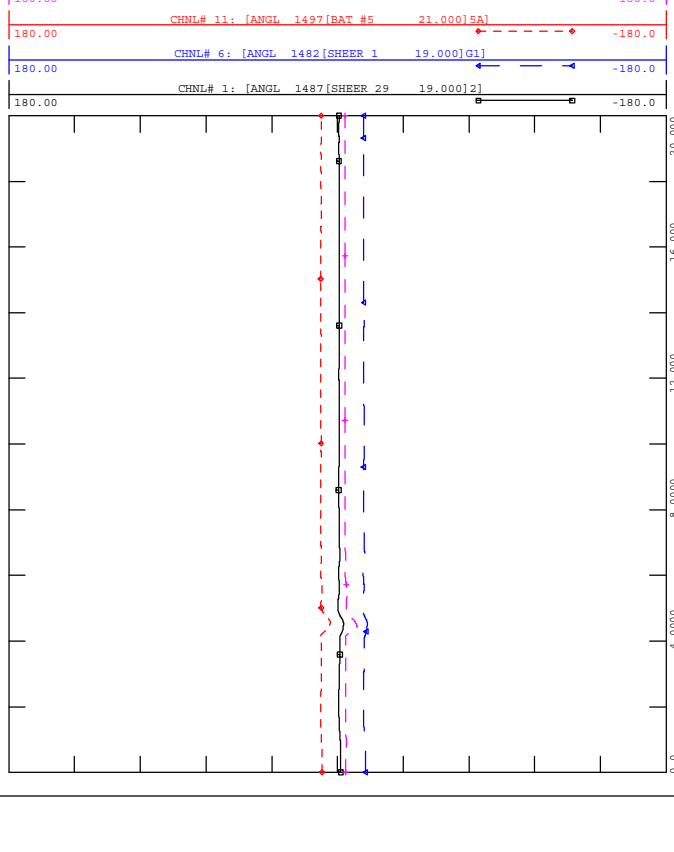


NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out

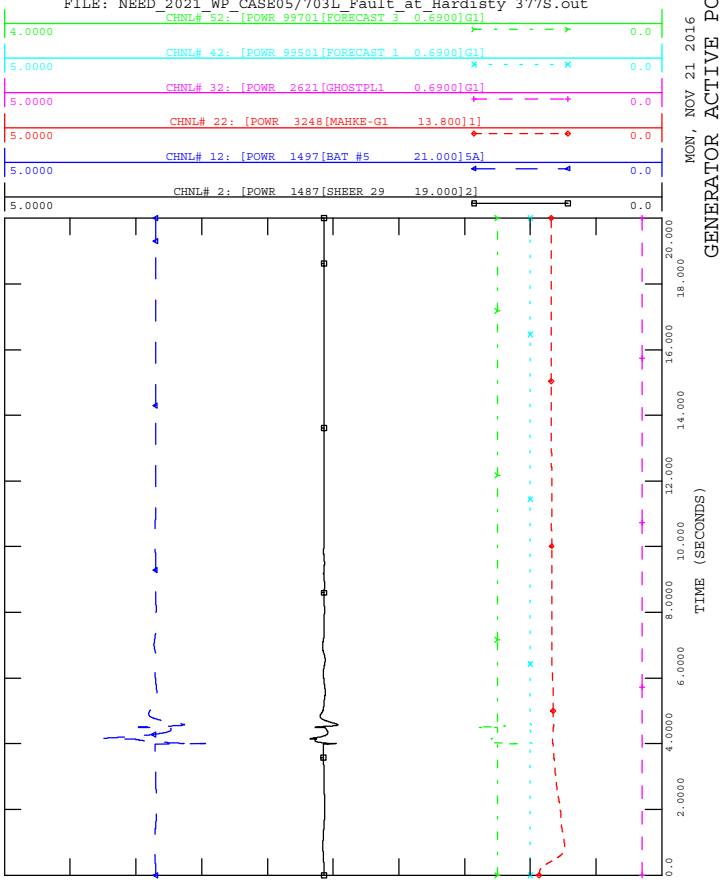
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

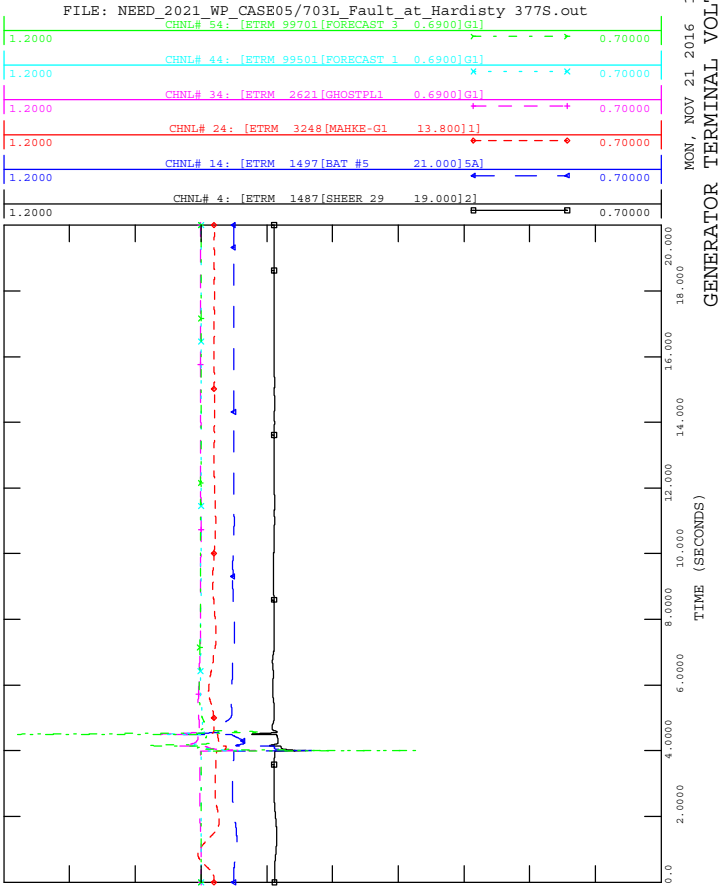
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

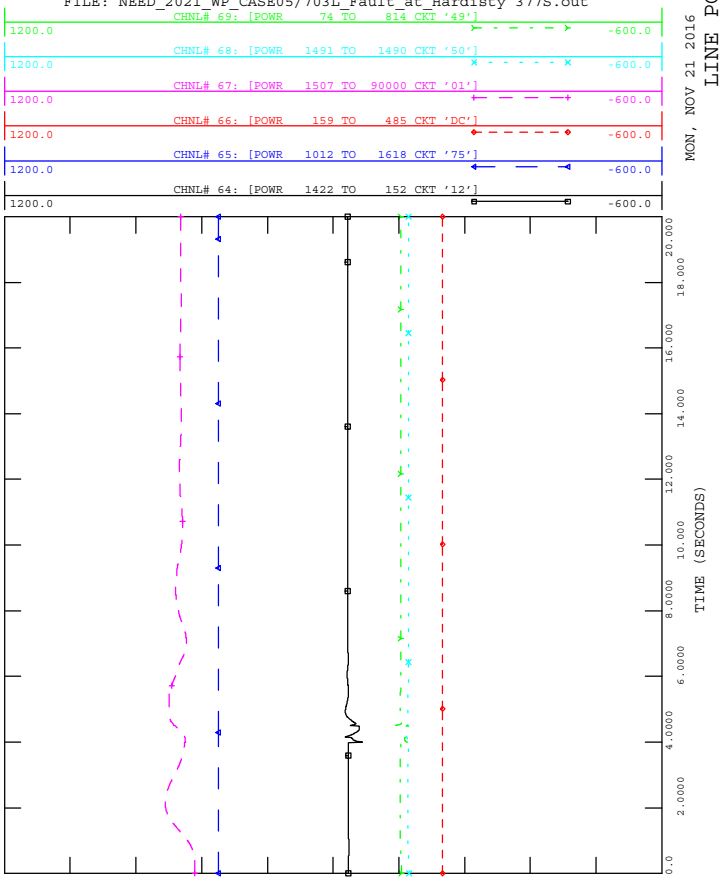
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

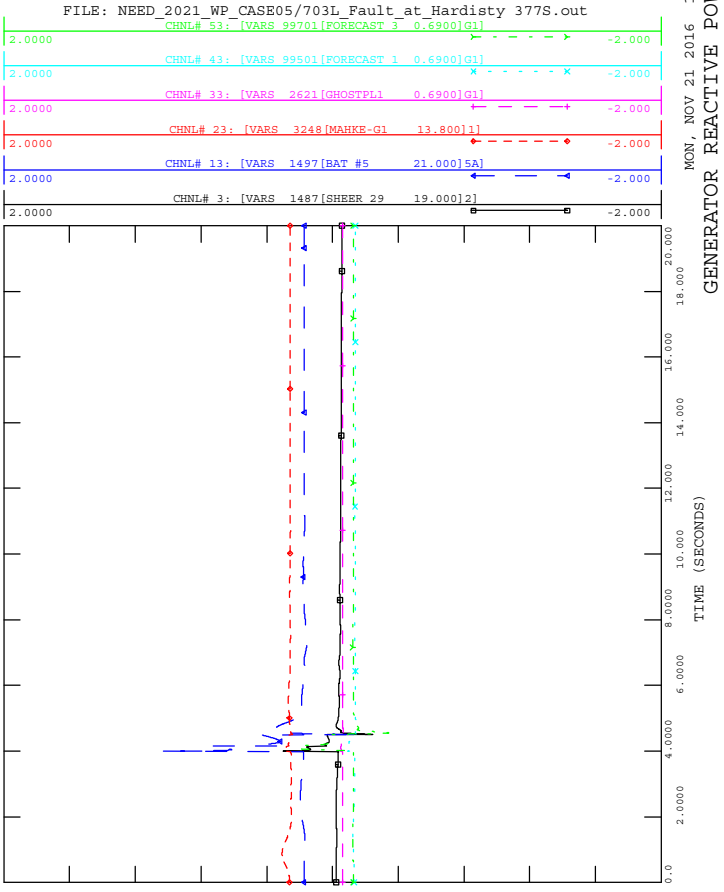
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hardisty 377S.out



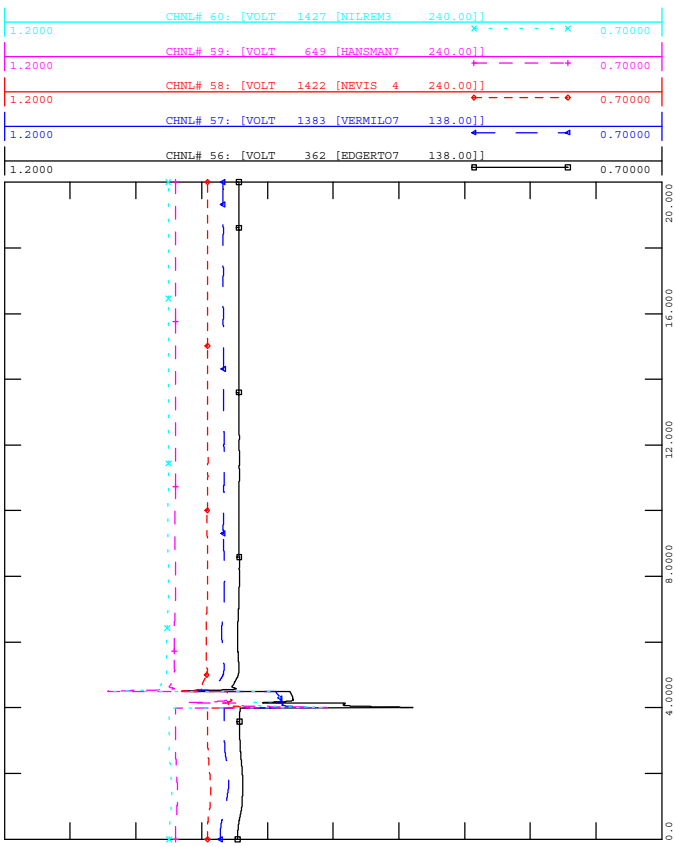
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

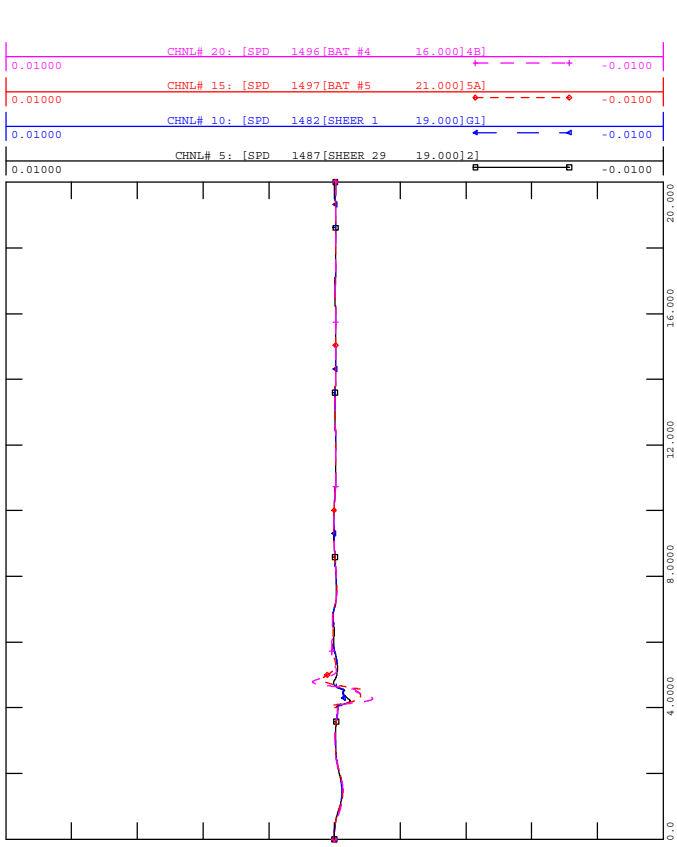


NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

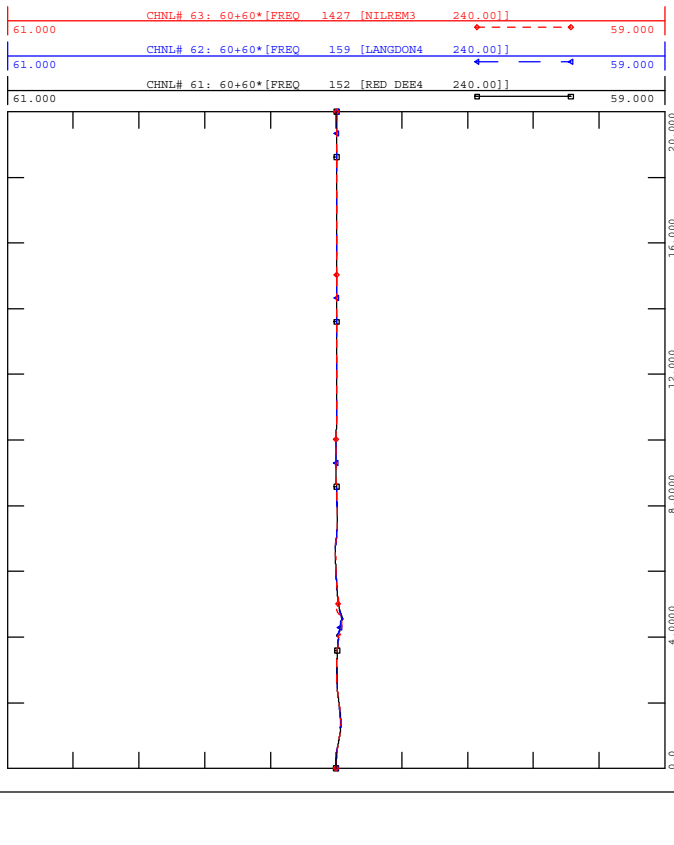


NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 12:53

FREQUENCY

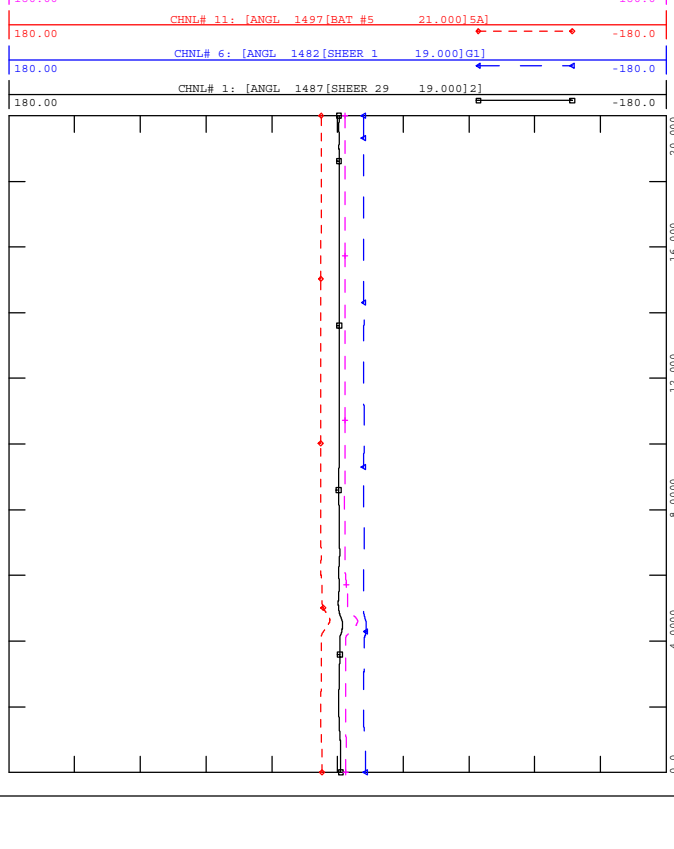


NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out

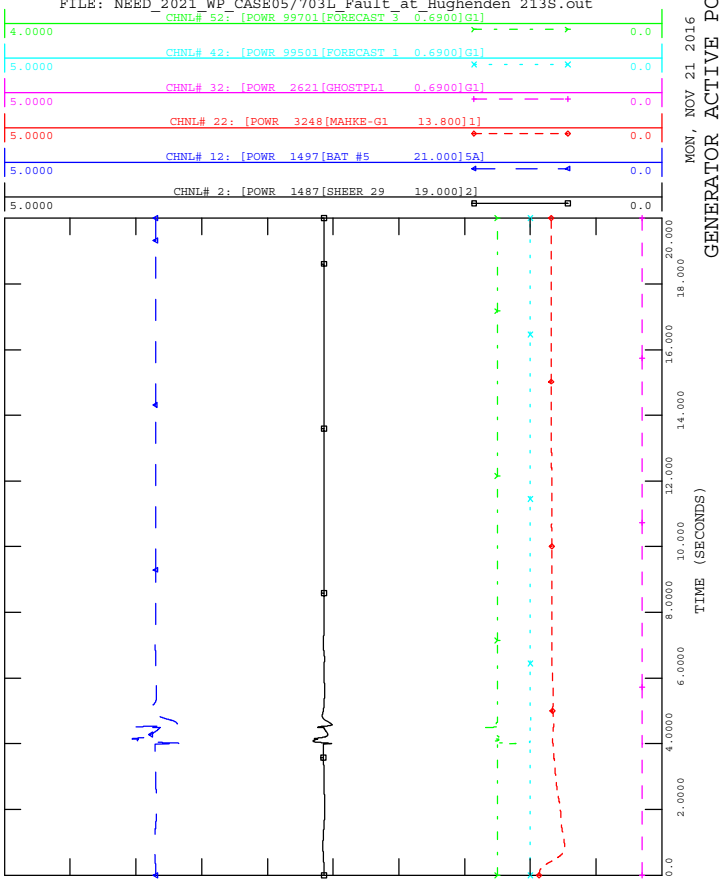
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

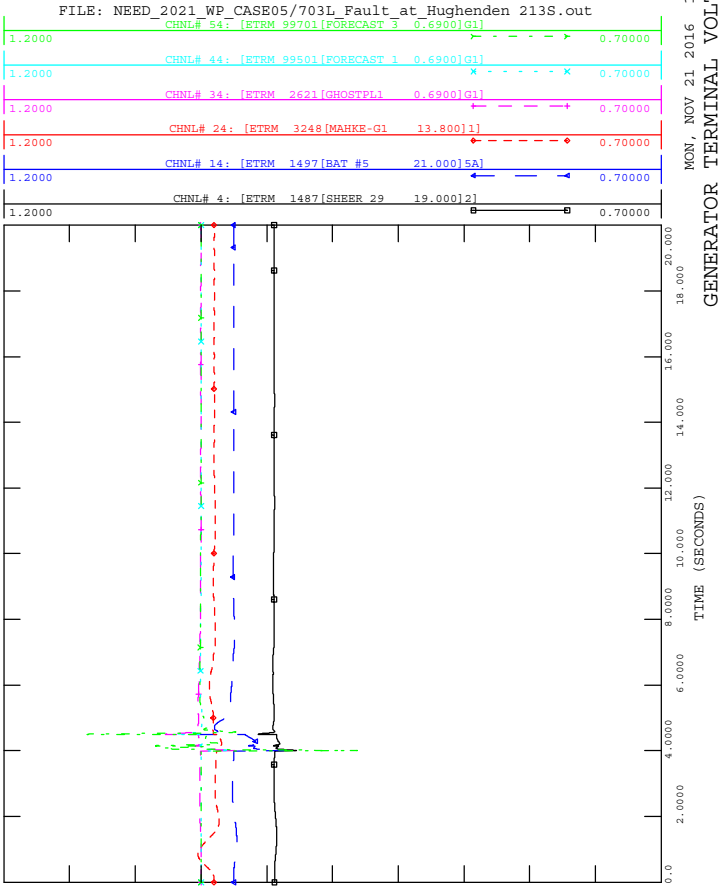
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

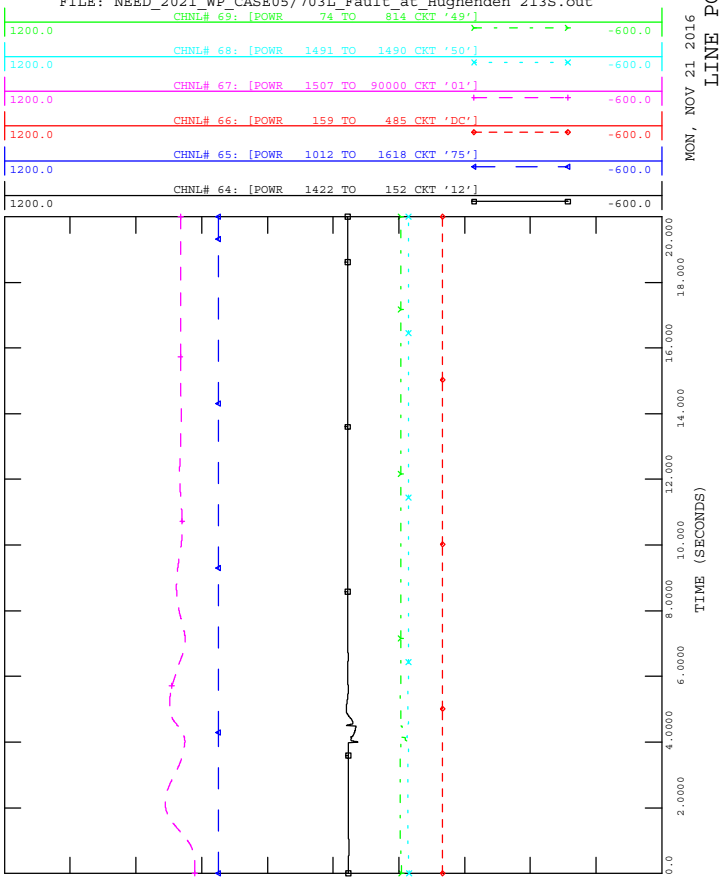
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

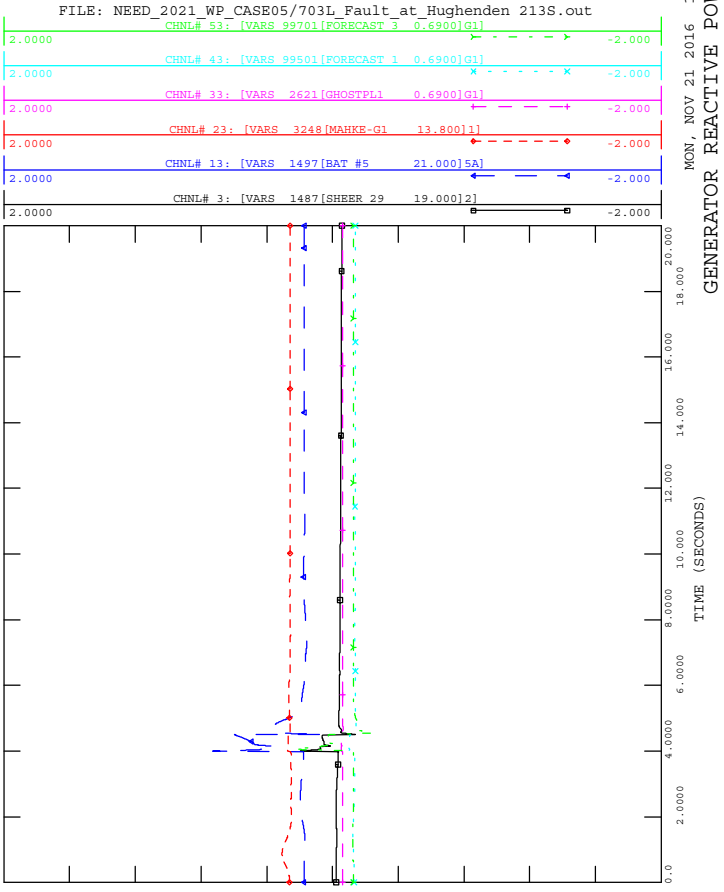
FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/703L_Fault_at_Hughenden 213S.out



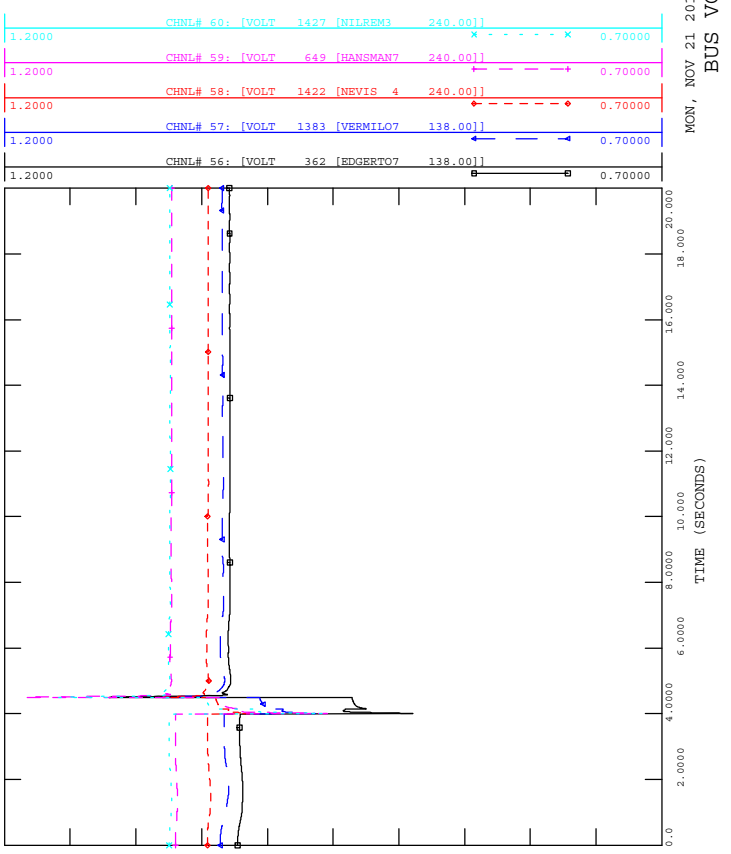
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

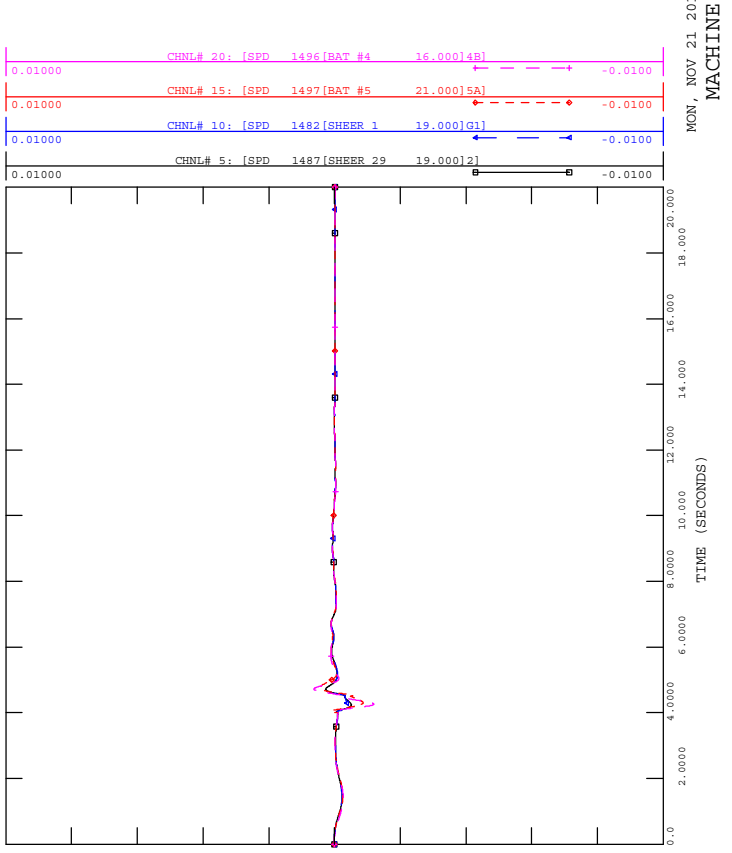


NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

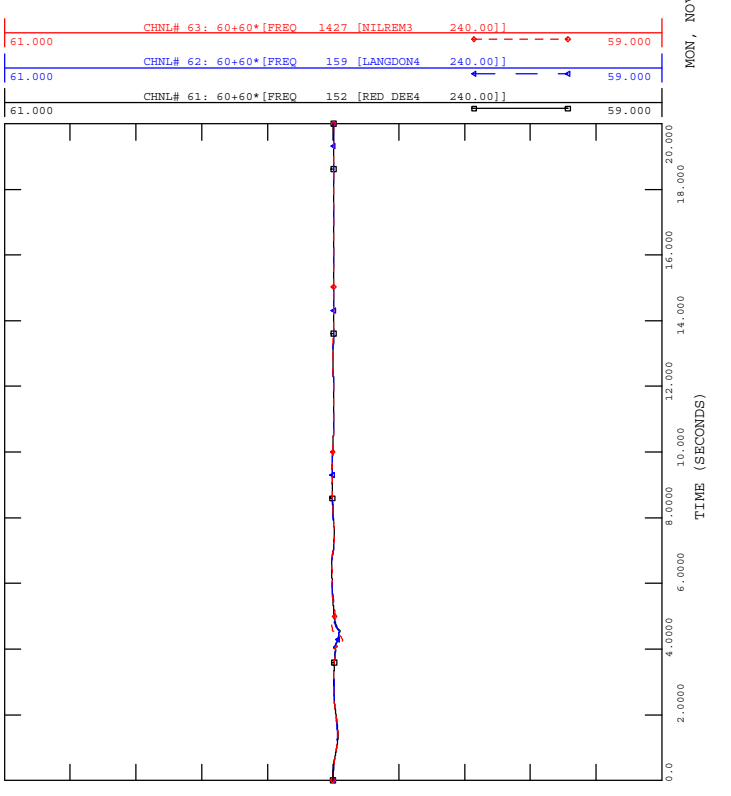


NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out

MON, NOV 21 2016 12:53

FREQUENCY

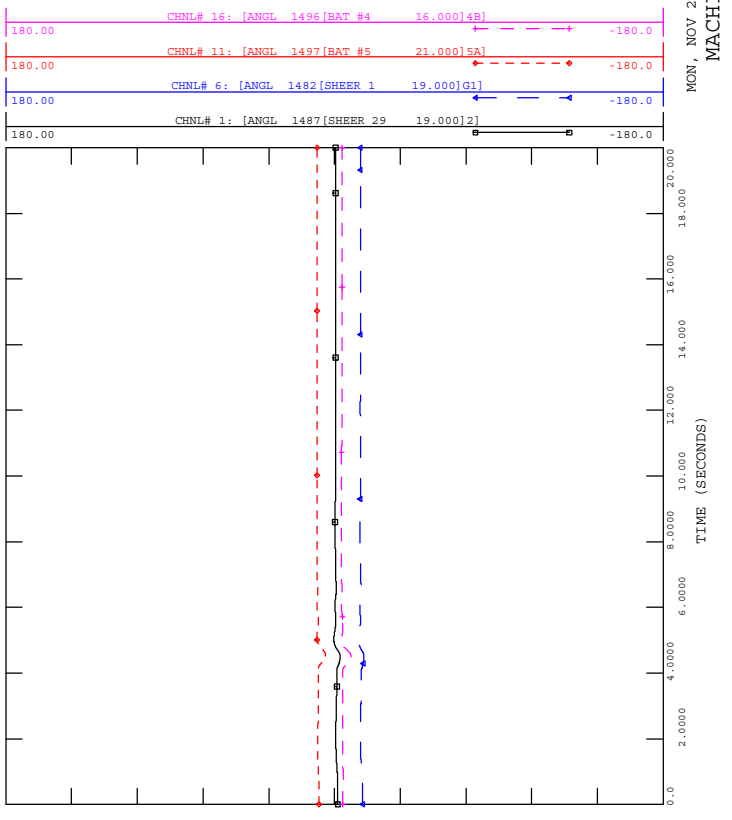


NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out

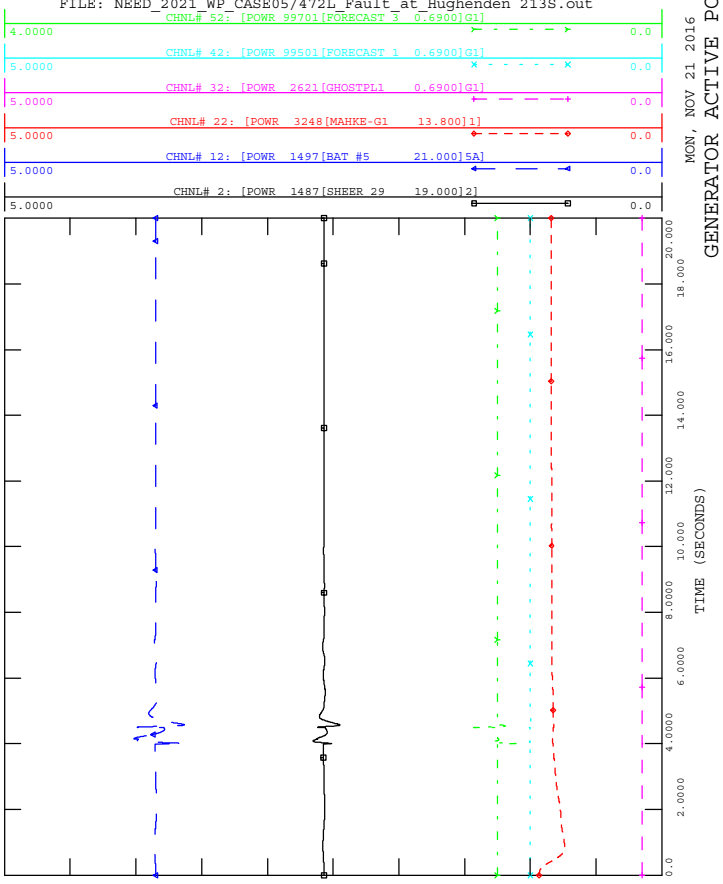
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

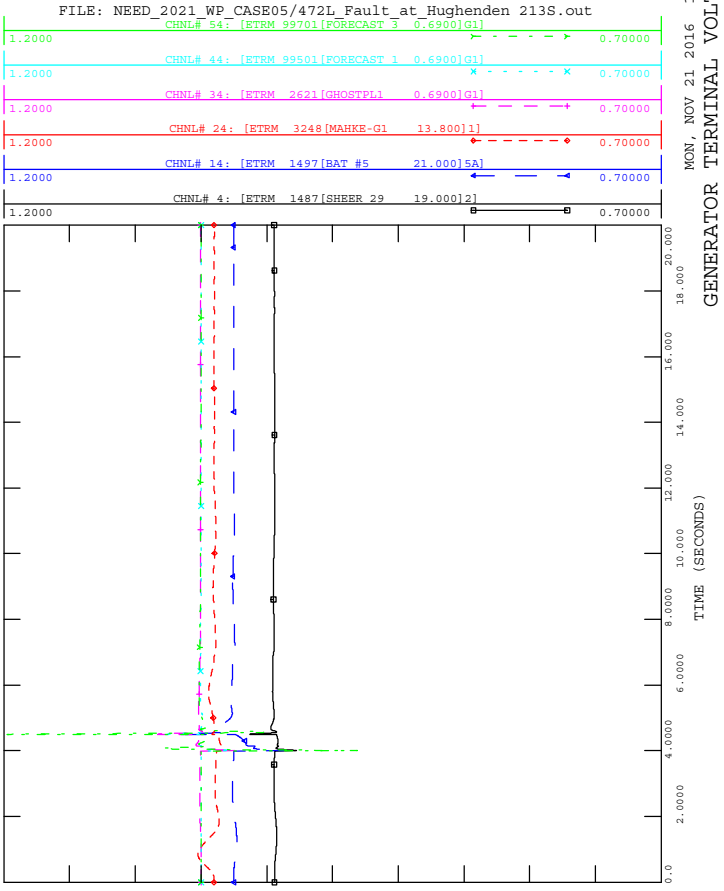
FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

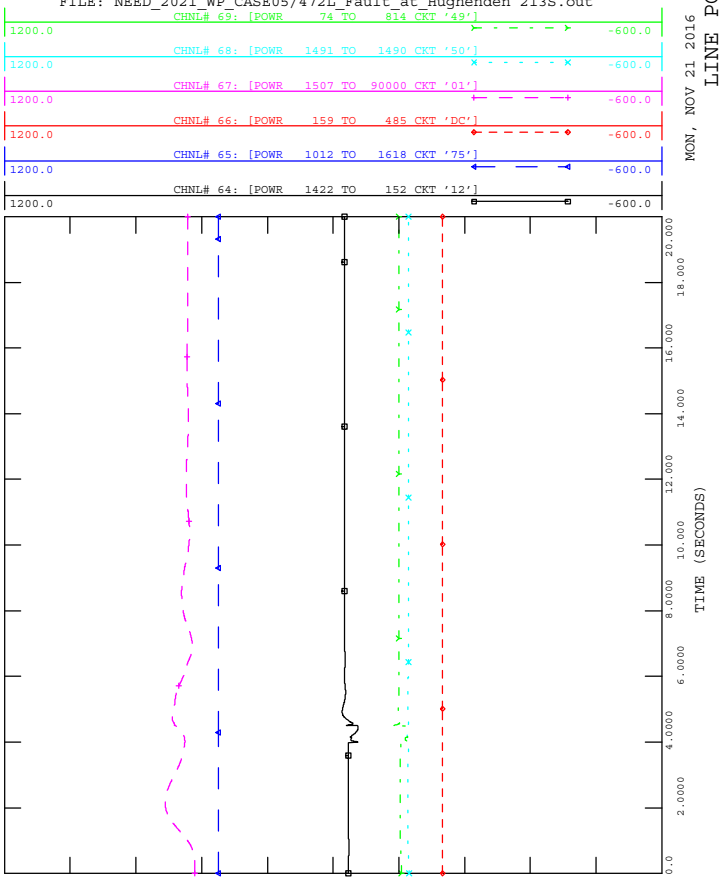
FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

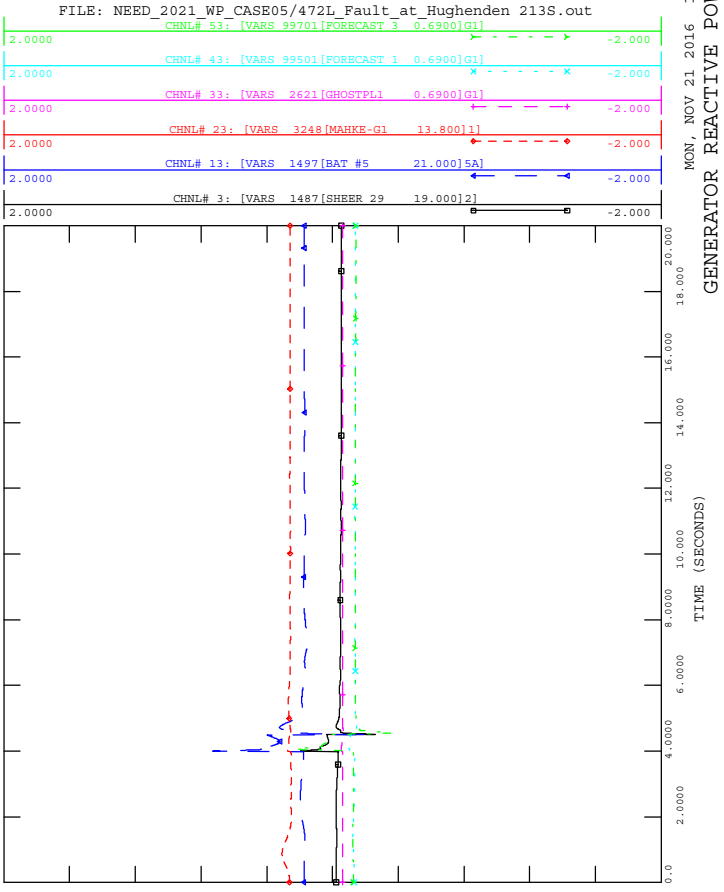
FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Hughenden 213S.out



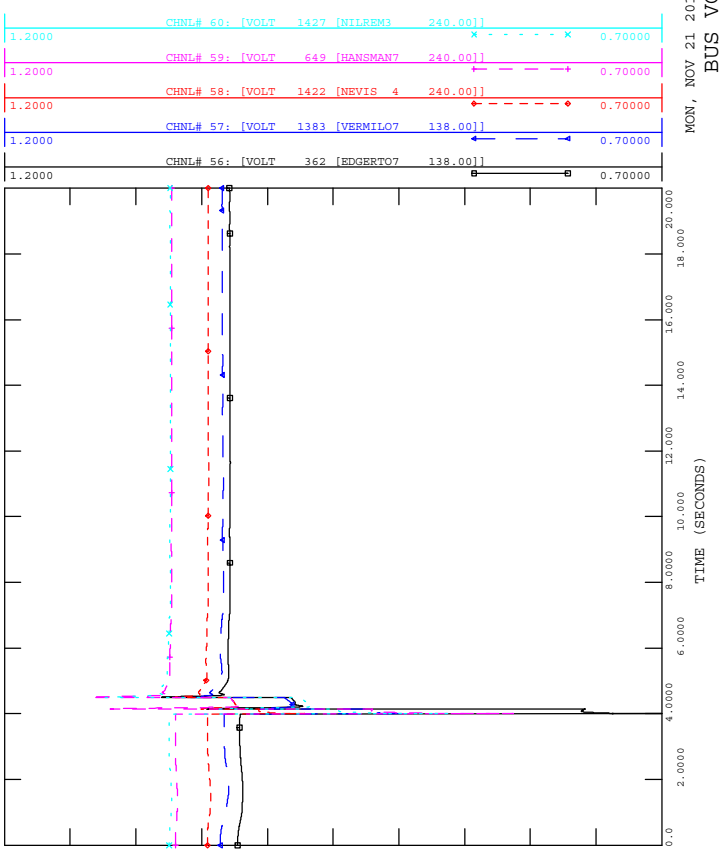
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

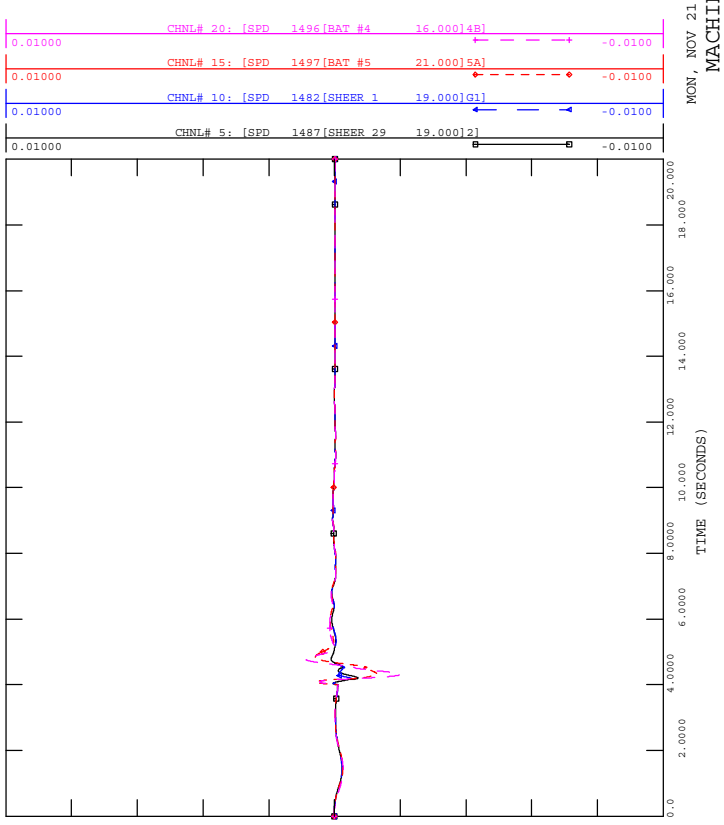


NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

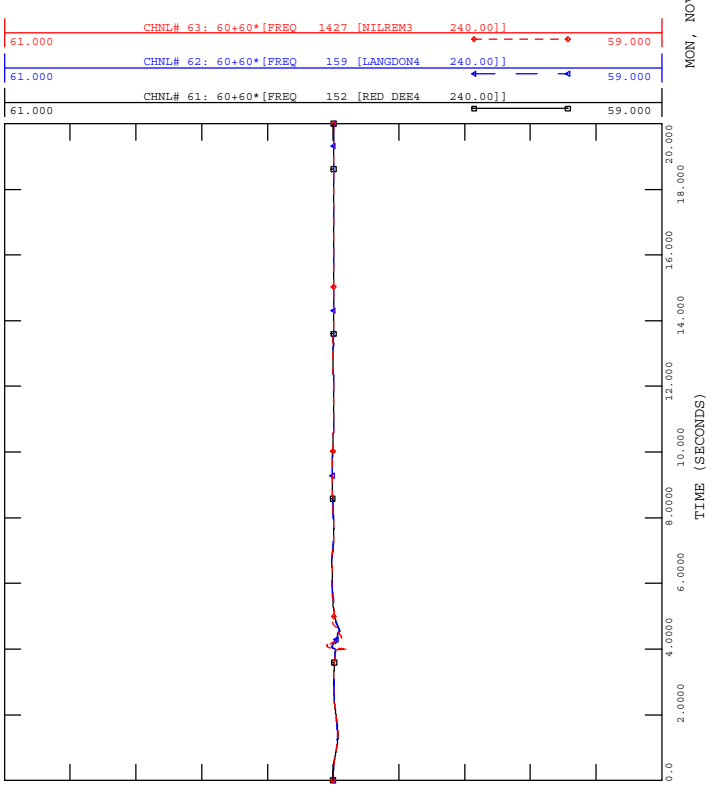


NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:53

FREQUENCY

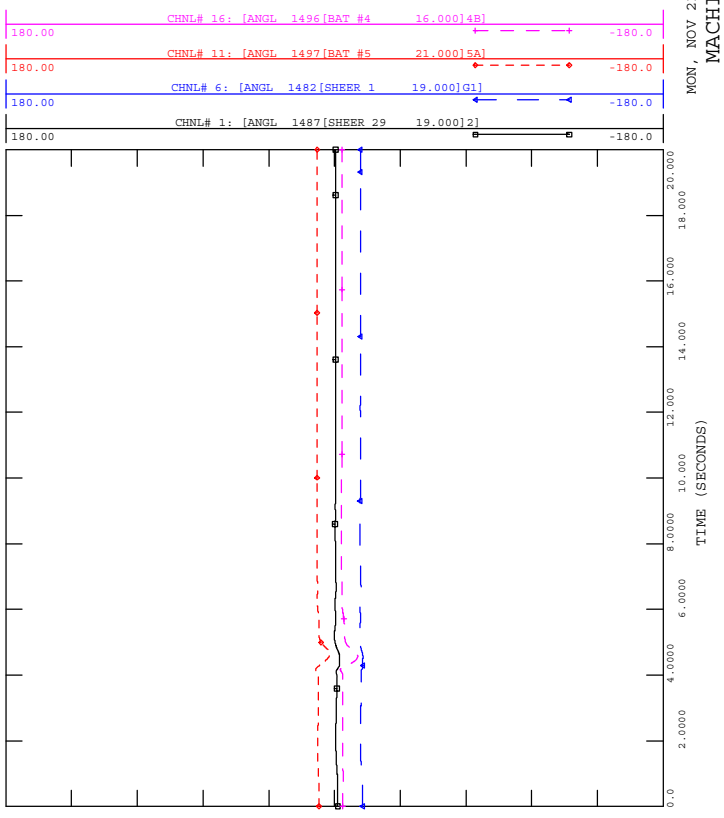


NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out

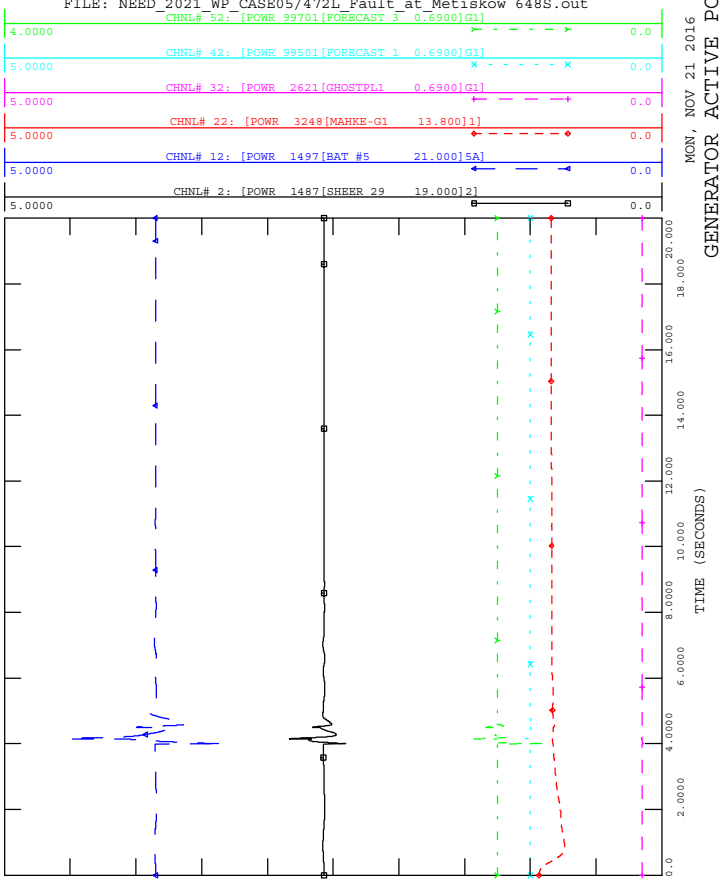
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_METISKOW 648S

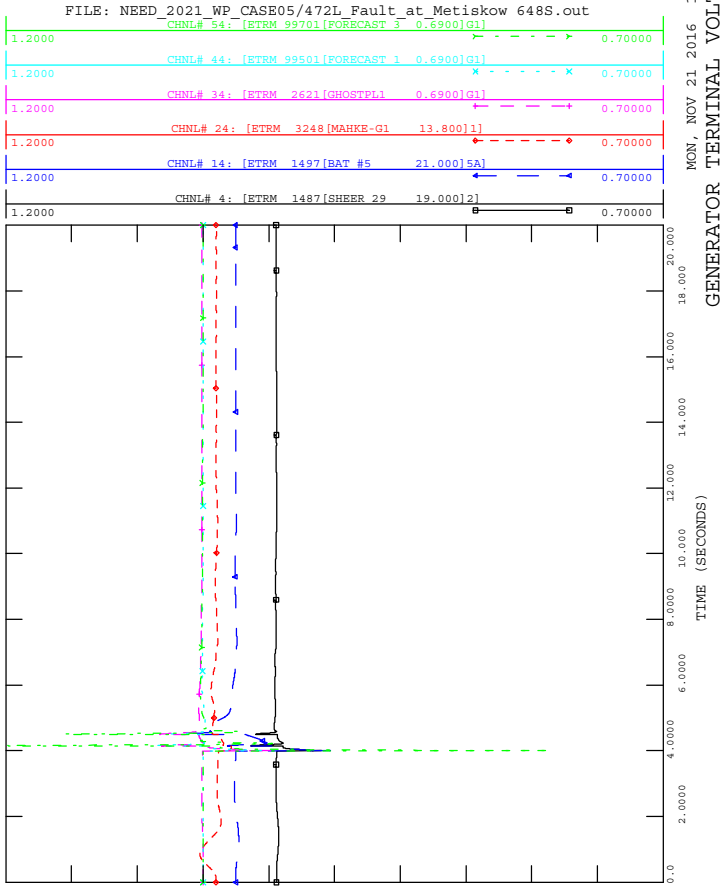
FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_METISKOW 648S

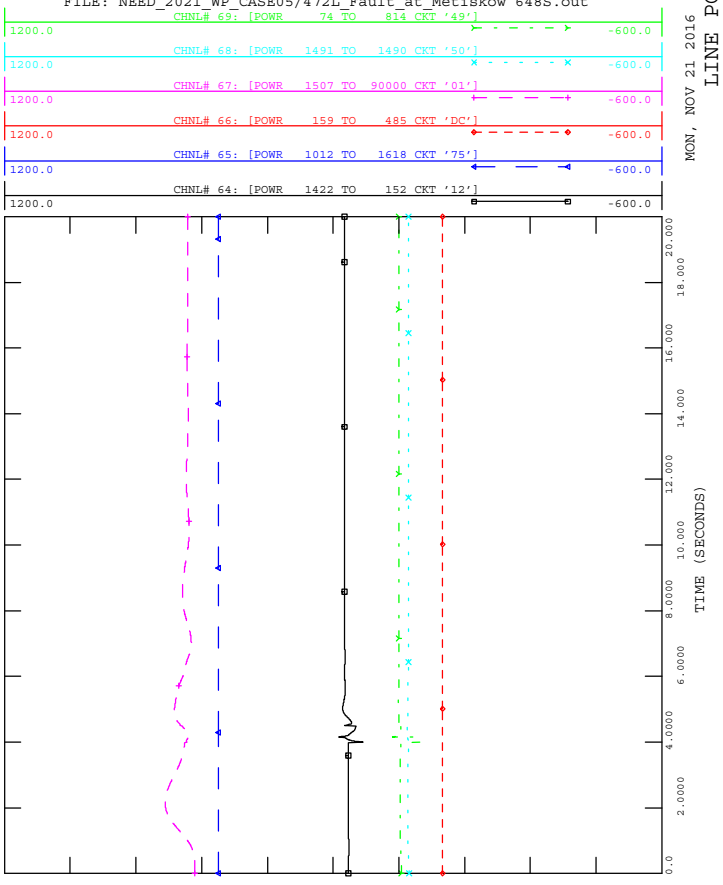
FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_METISKOW 648S

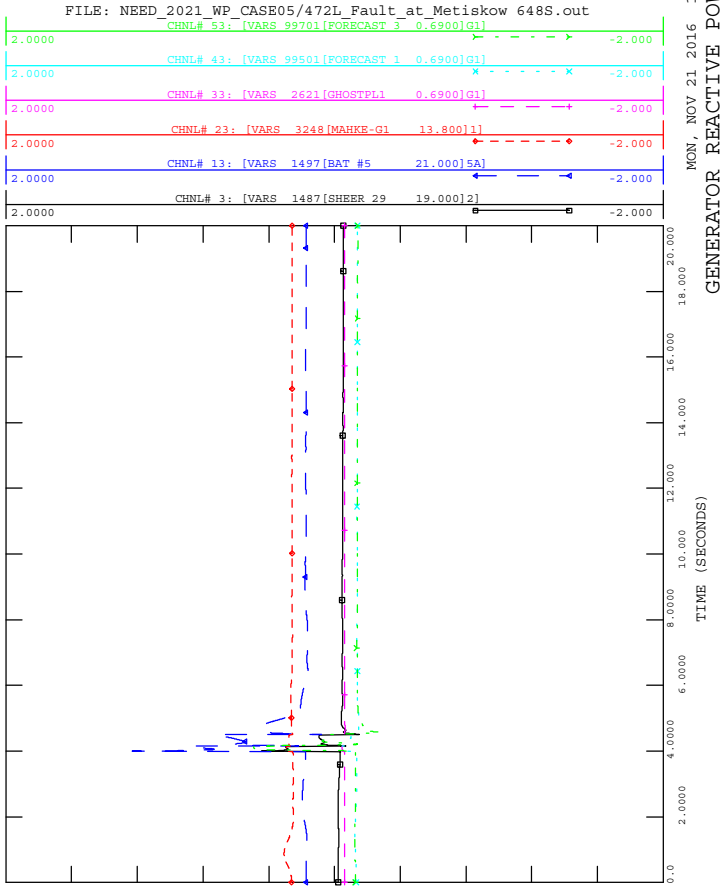
FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/472L_Fault_at_Metiskow 648S.out



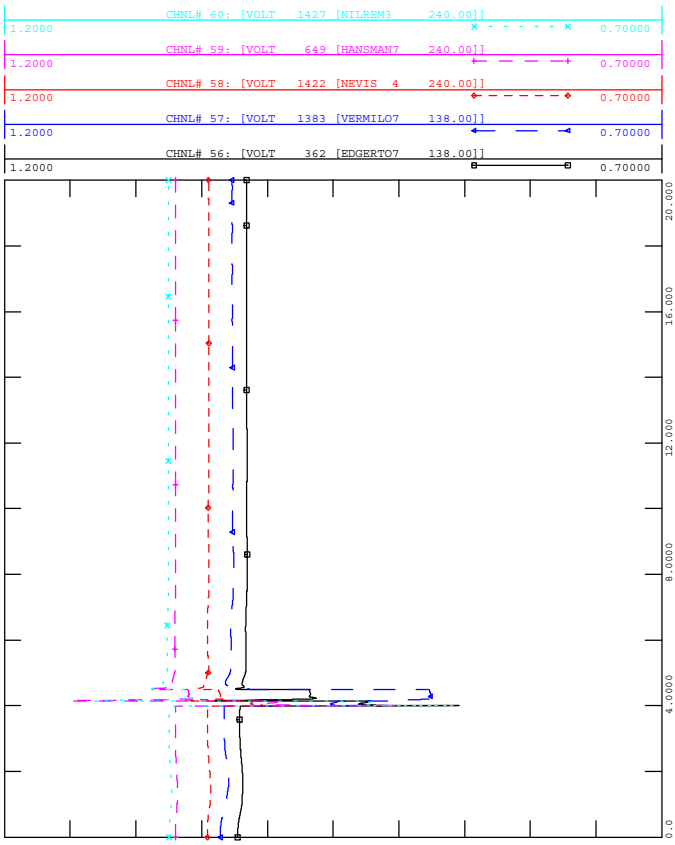
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

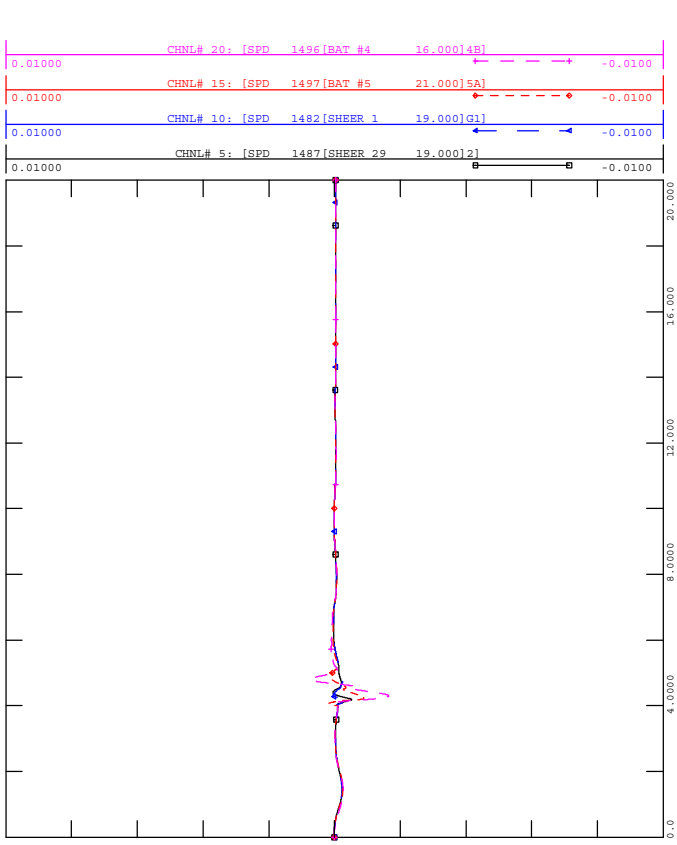


NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

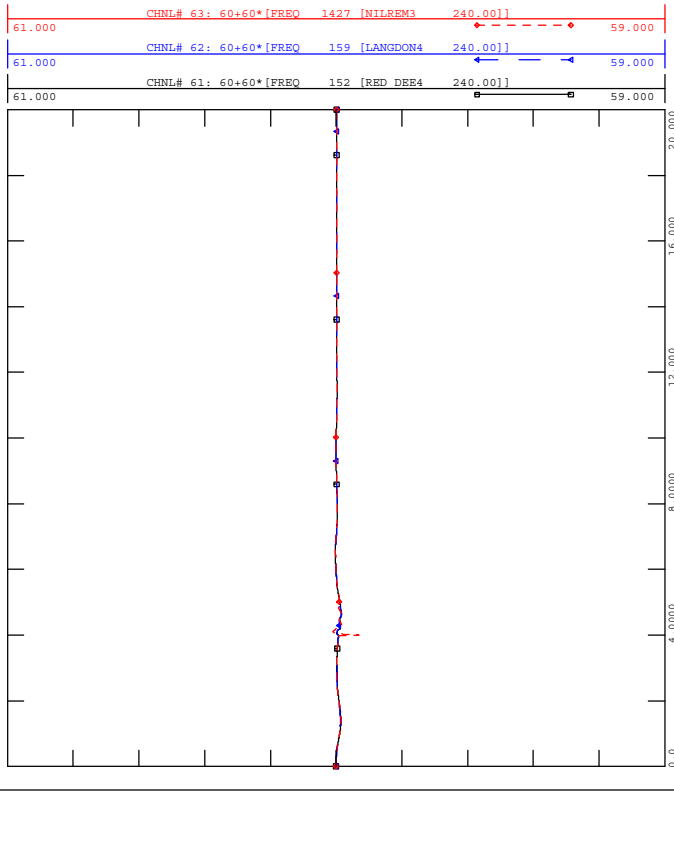


NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out

MON, NOV 21 2016 12:53

FREQUENCY

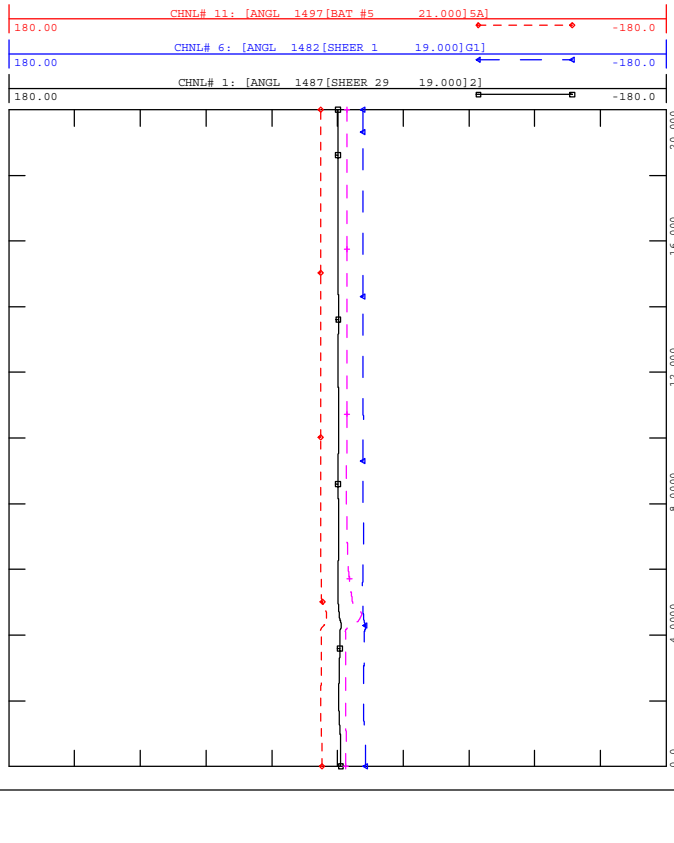


NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out

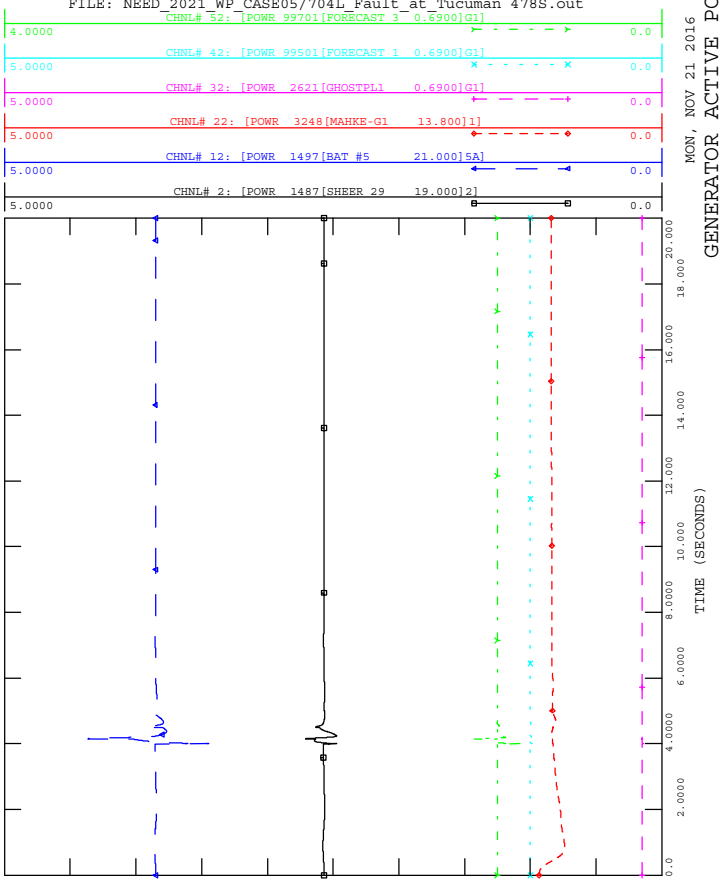
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

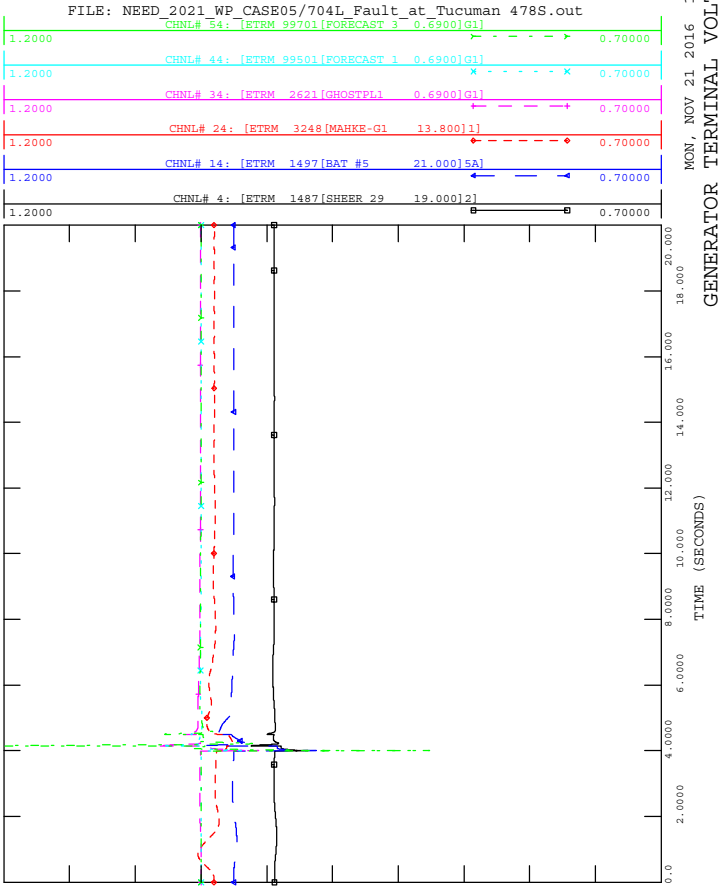
FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

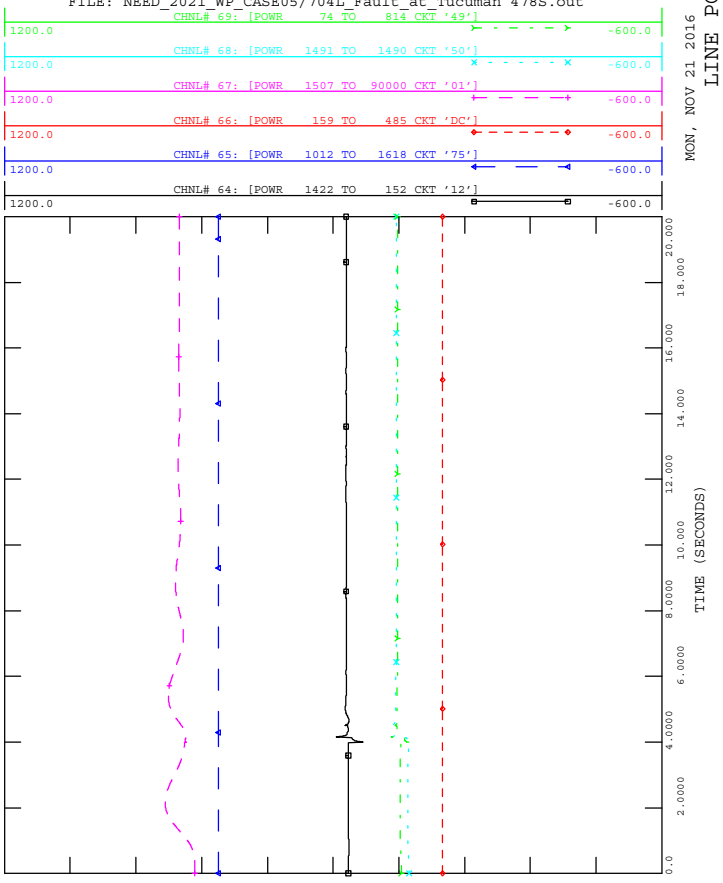
FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

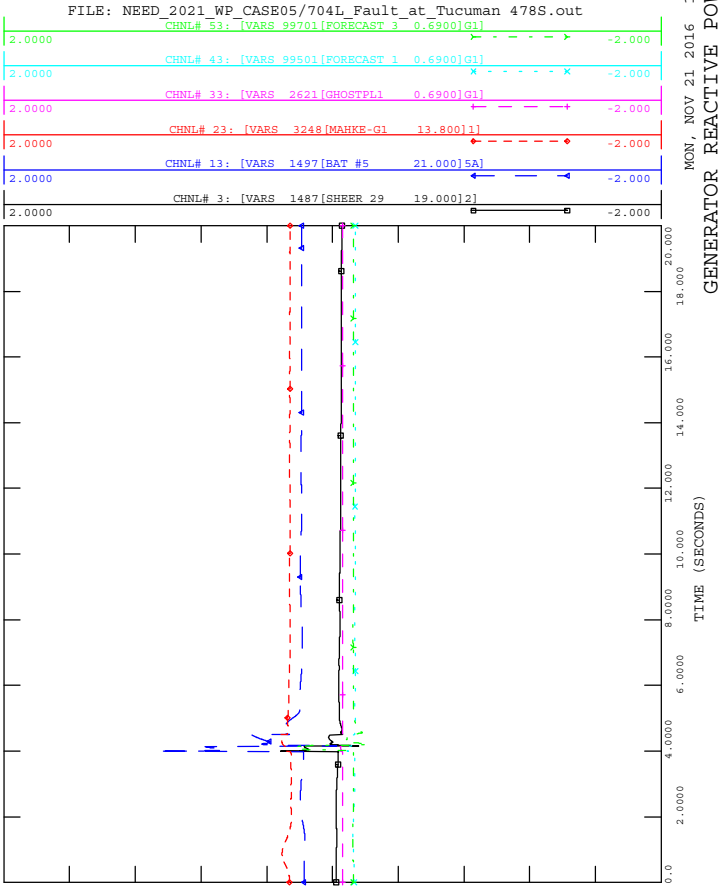
FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Tucuman 478S.out



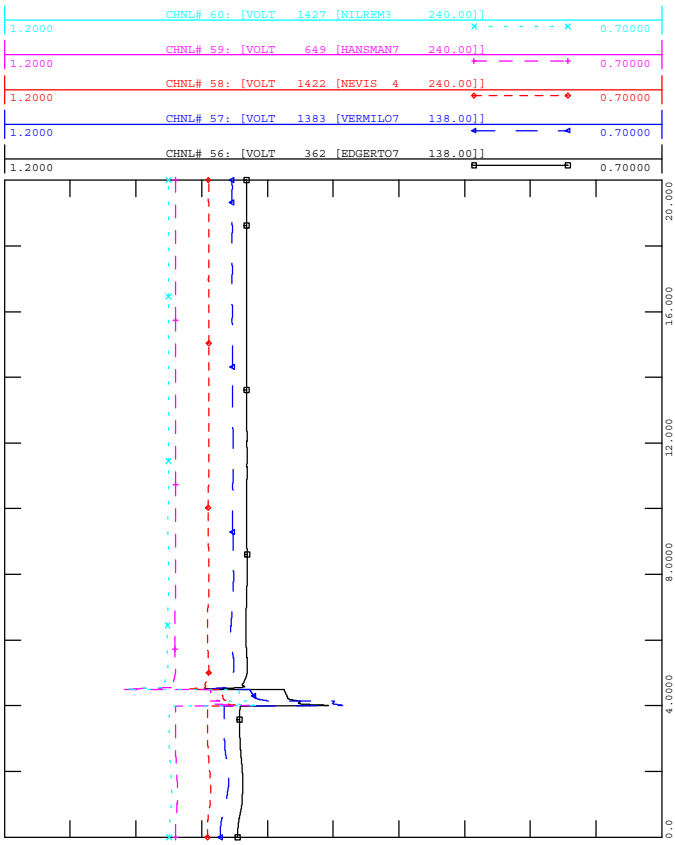
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

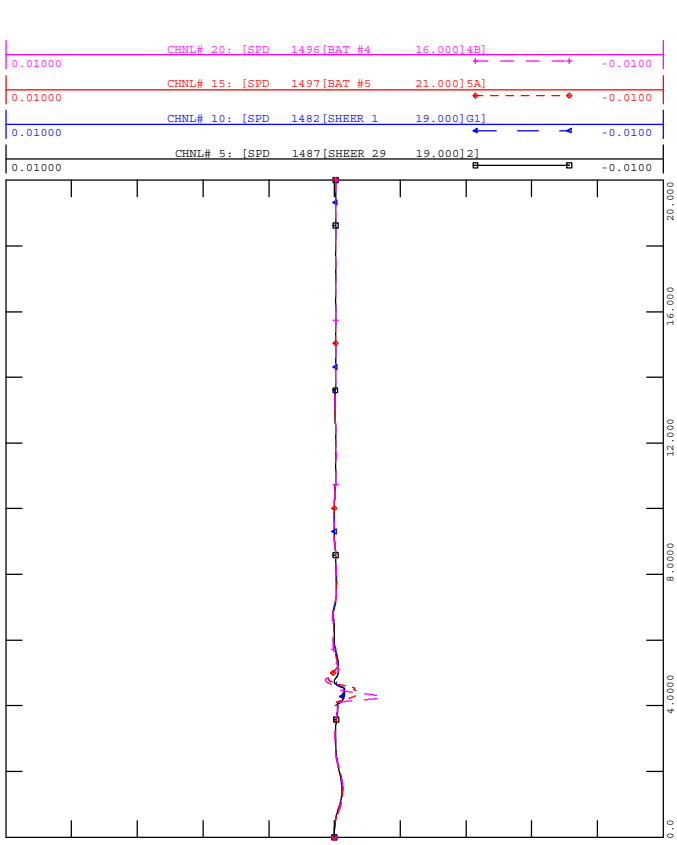


NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

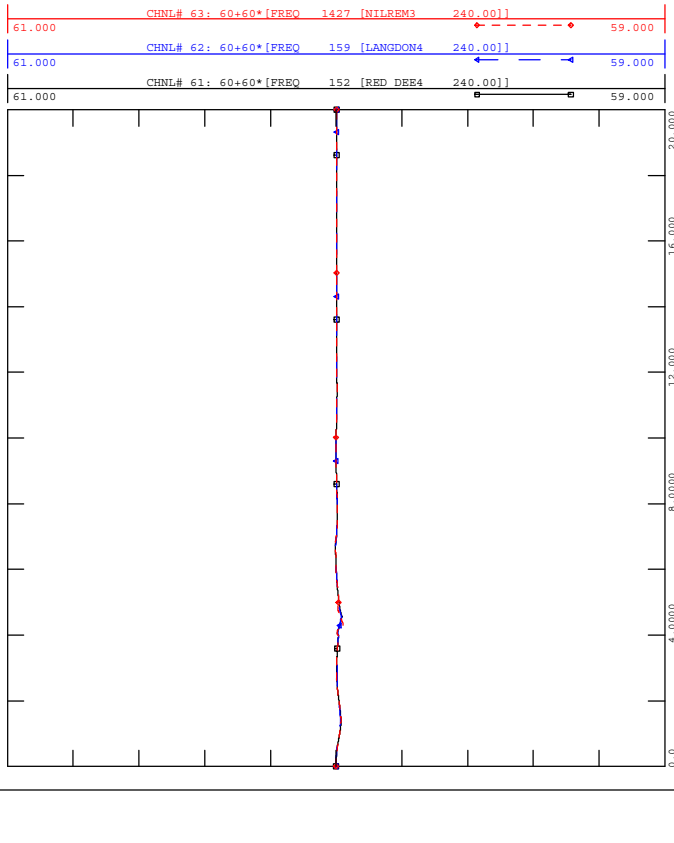


NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out

MON, NOV 21 2016 12:53

FREQUENCY

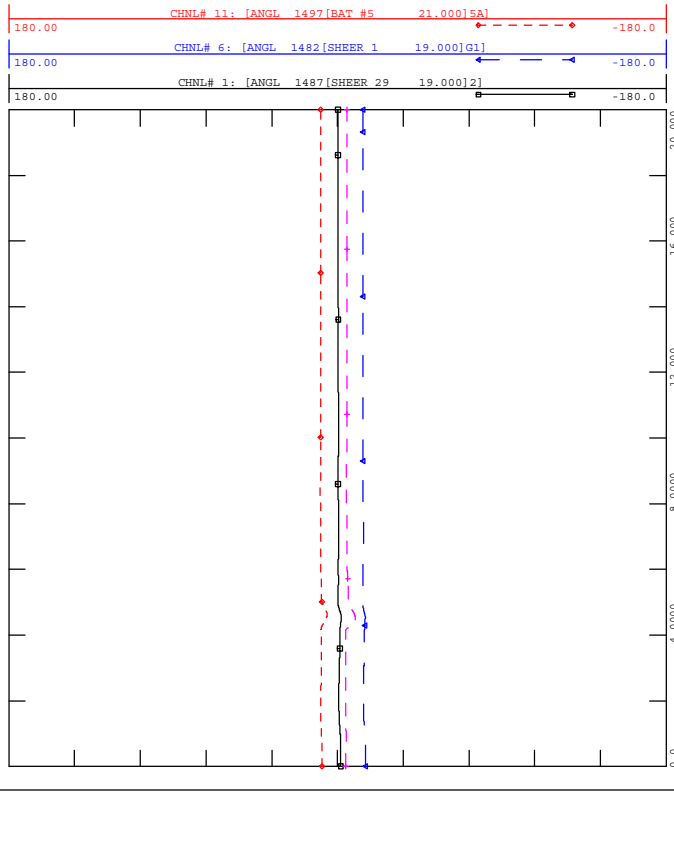


NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out

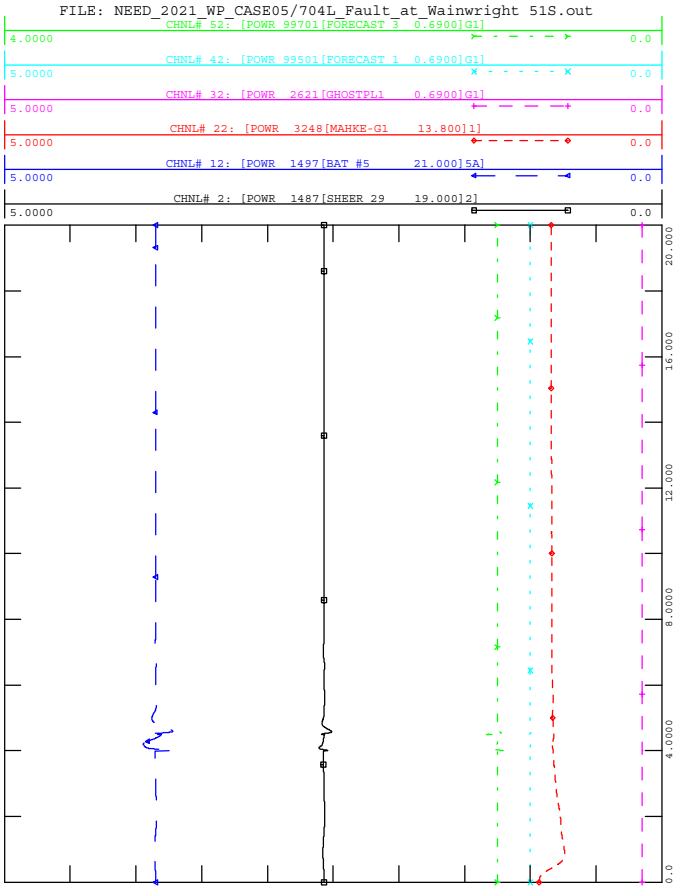
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out



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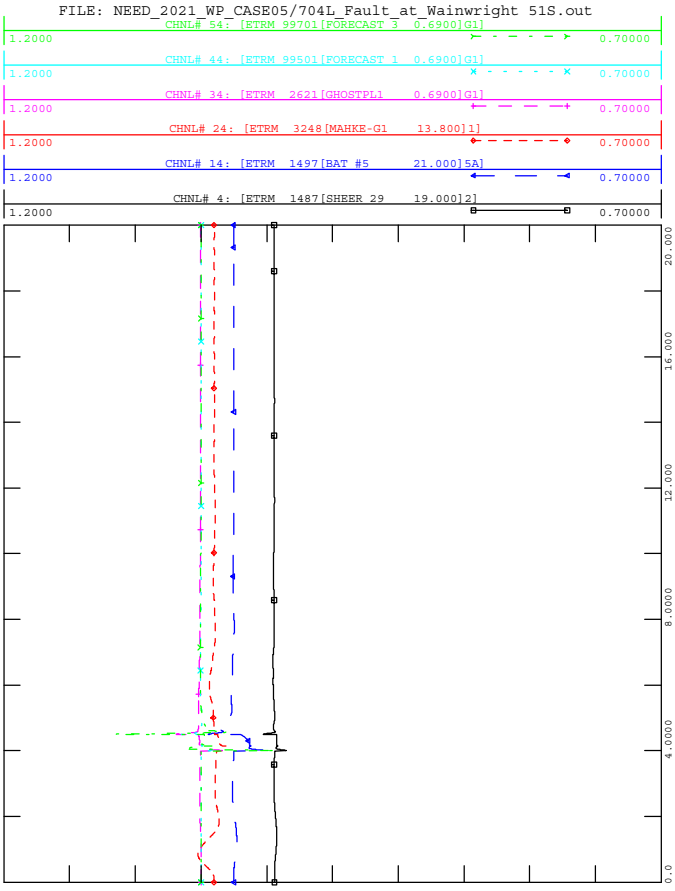
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out



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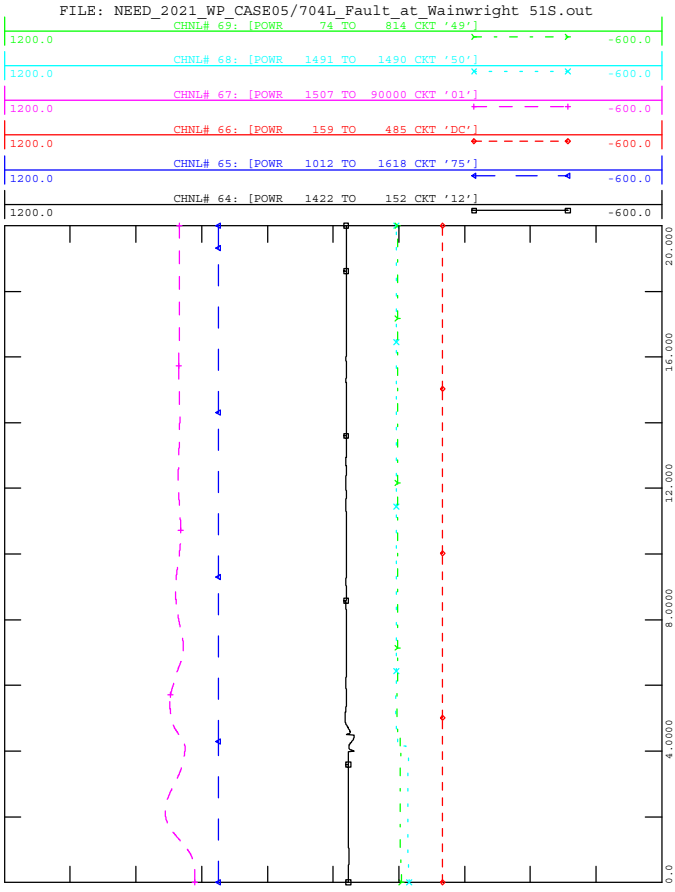
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out



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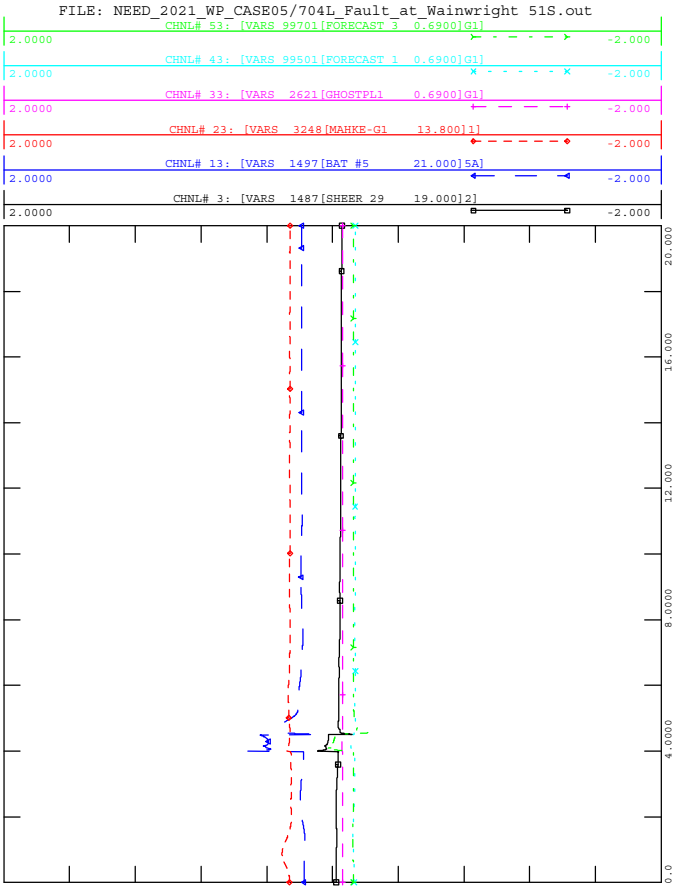
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: NEED_2021_WP_CASE05/704L_Fault_at_Wainwright 51S.out



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GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out

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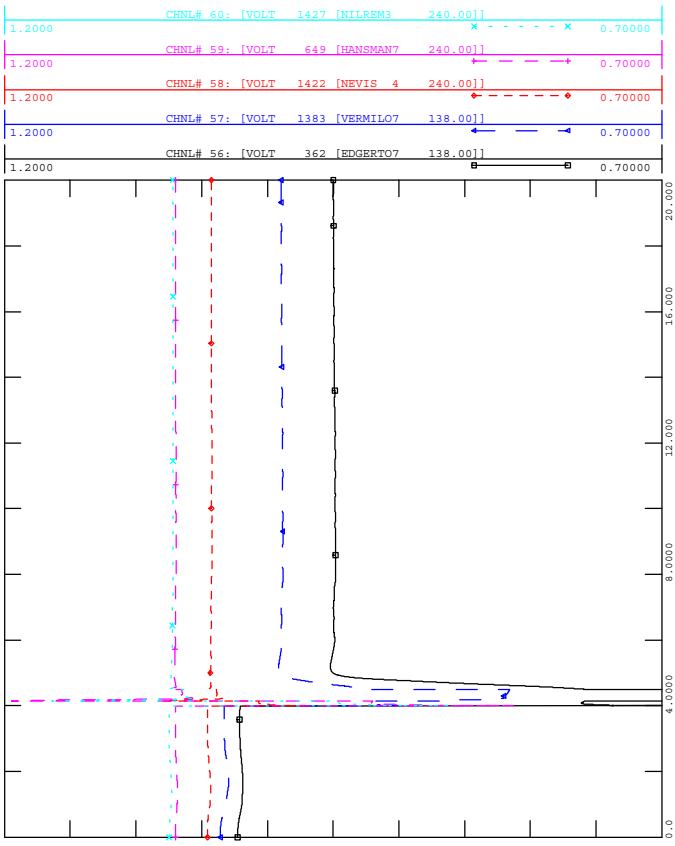
BUS VOLTAGE

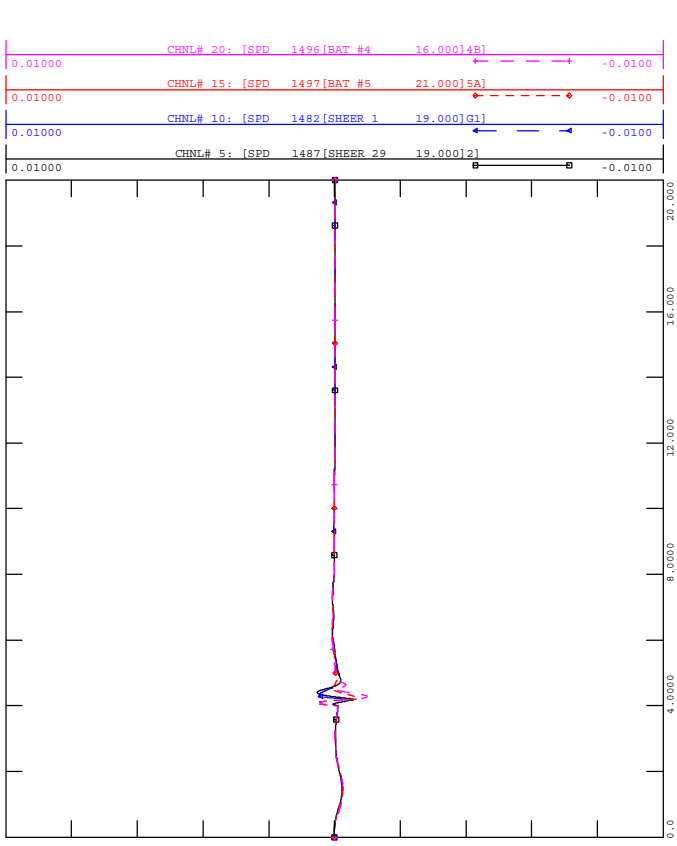


NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

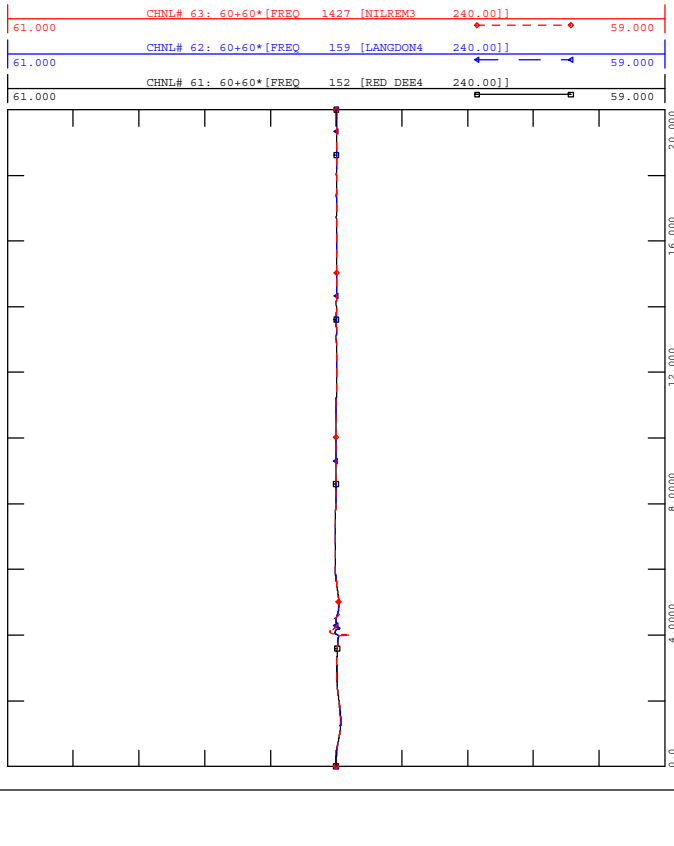


NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out

MON, NOV 21 2016 12:53

FREQUENCY



NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out

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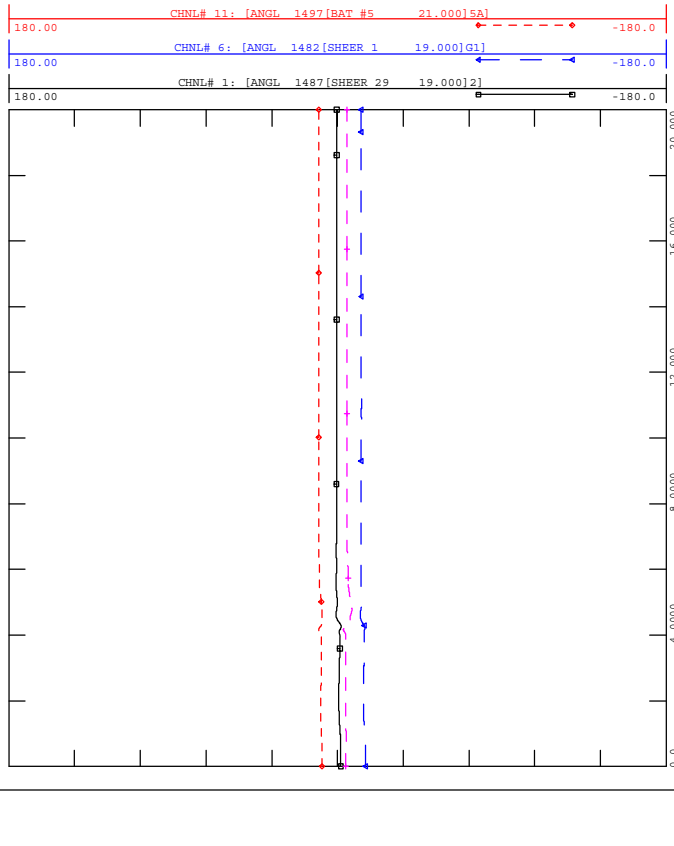
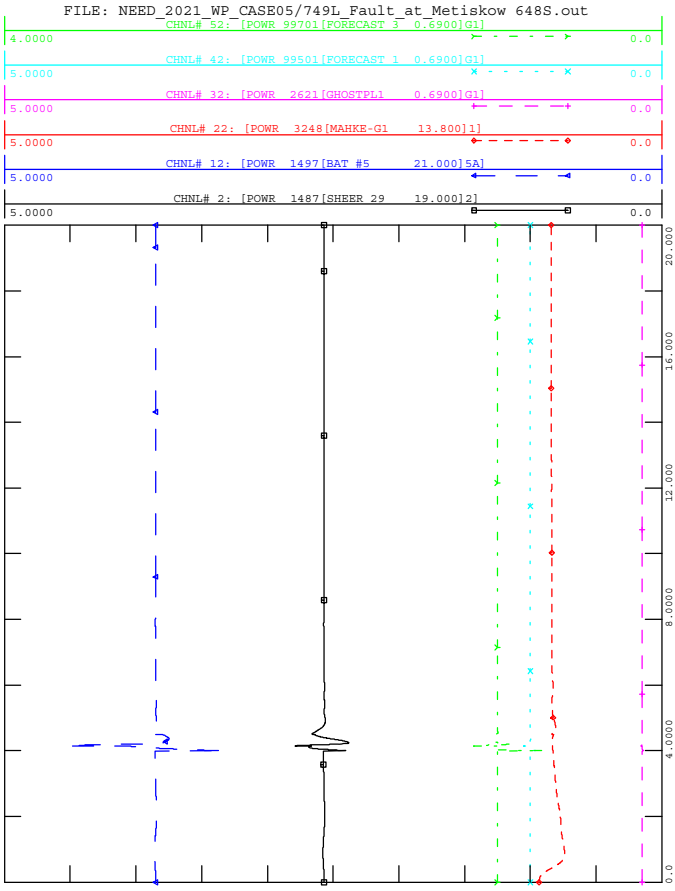
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_METISKOW 648S

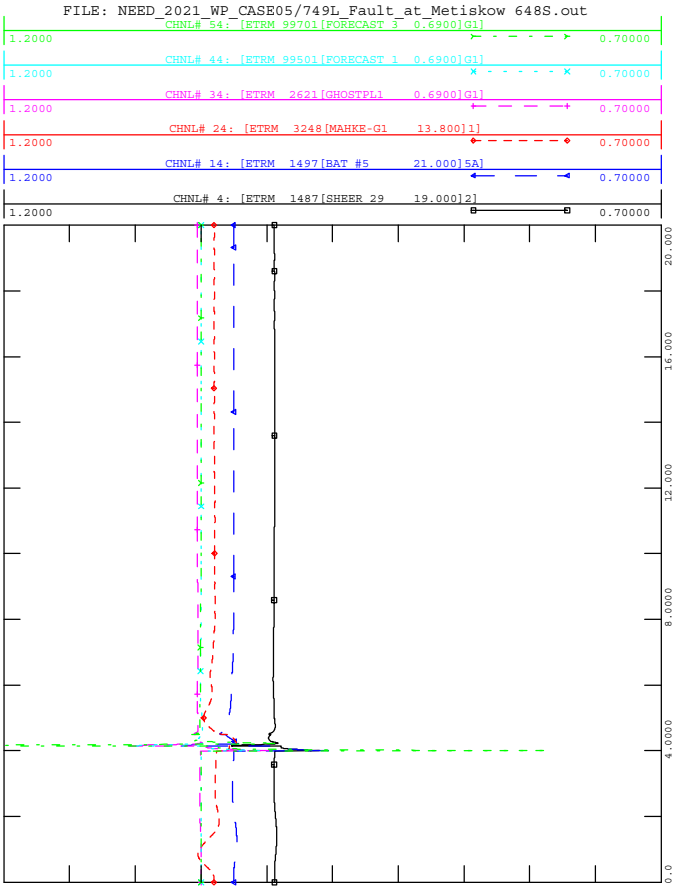
FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_METISKOW 648S

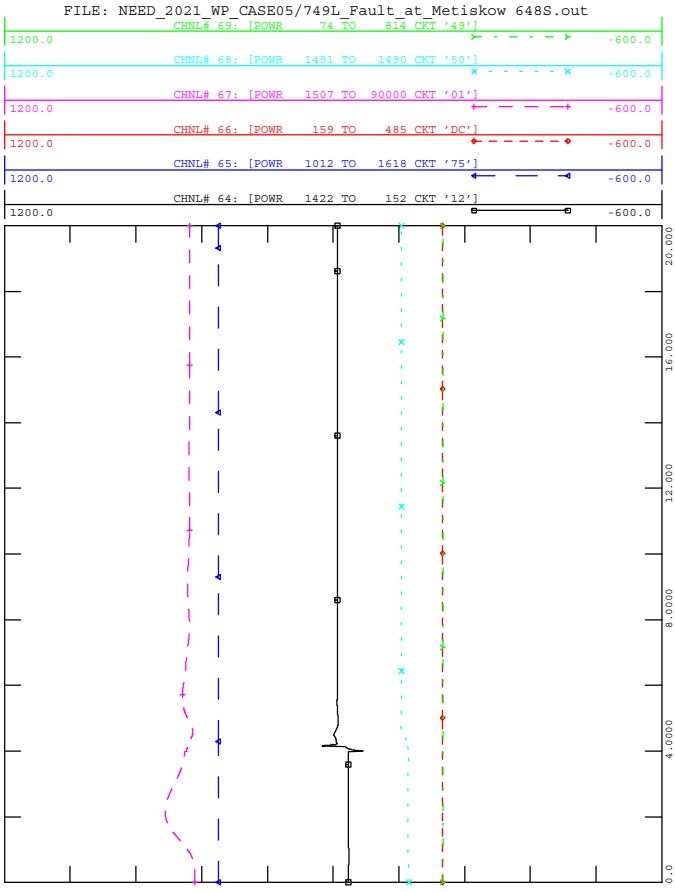
FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_METISKOW 648S

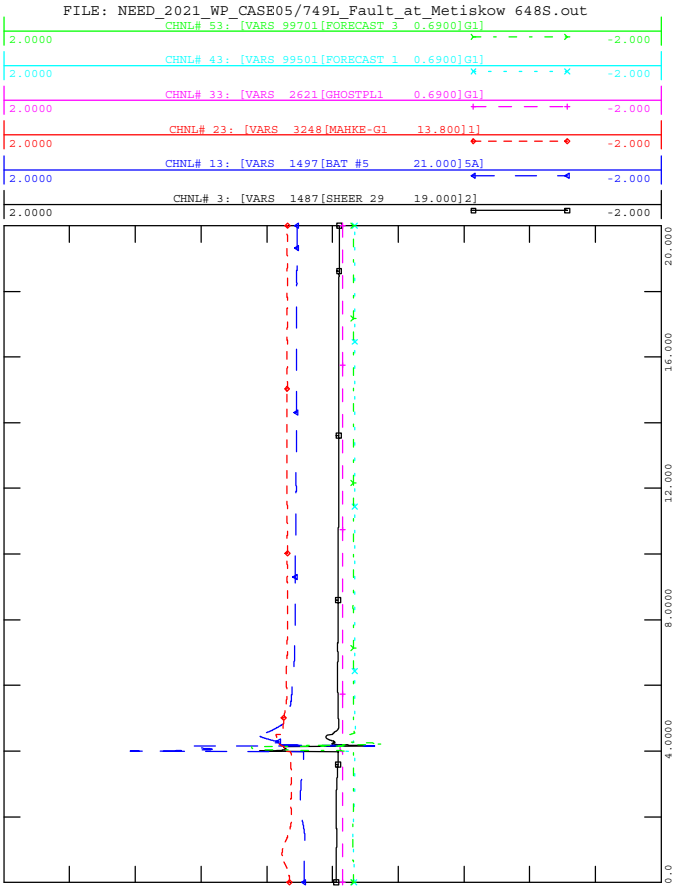
FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Metiskow 648S.out



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GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out

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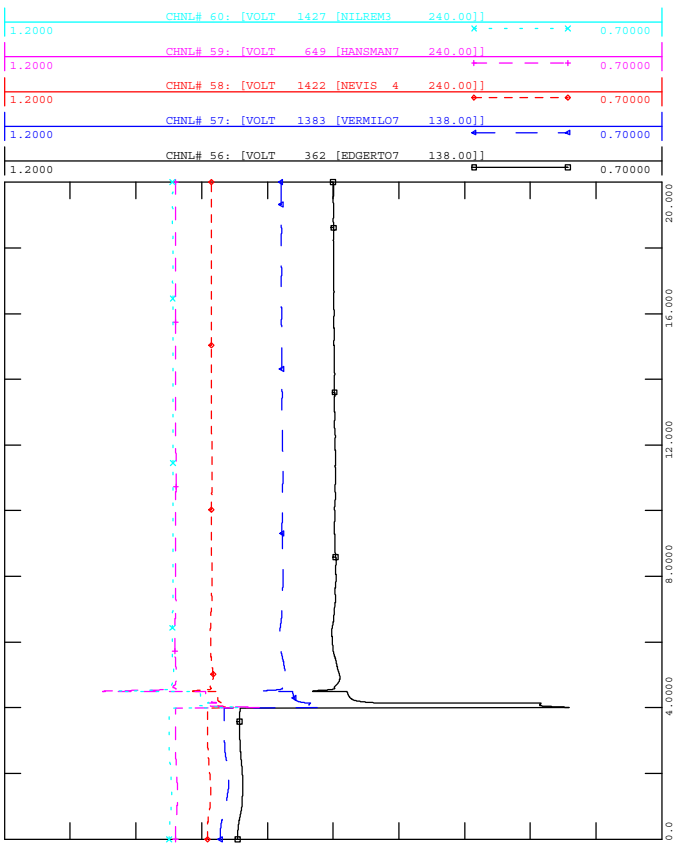
BUS VOLTAGE



NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out

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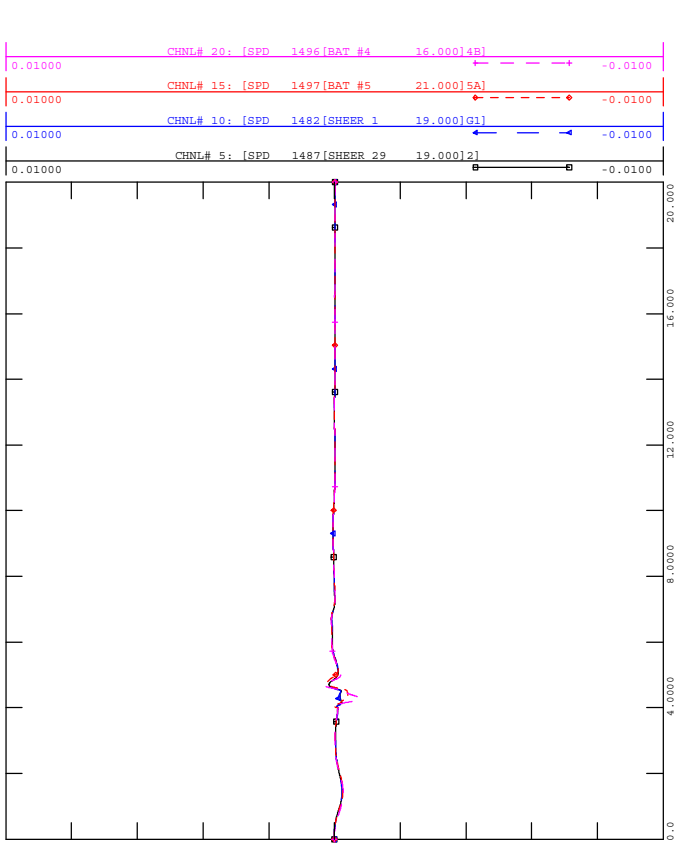
MACHINE SPEED

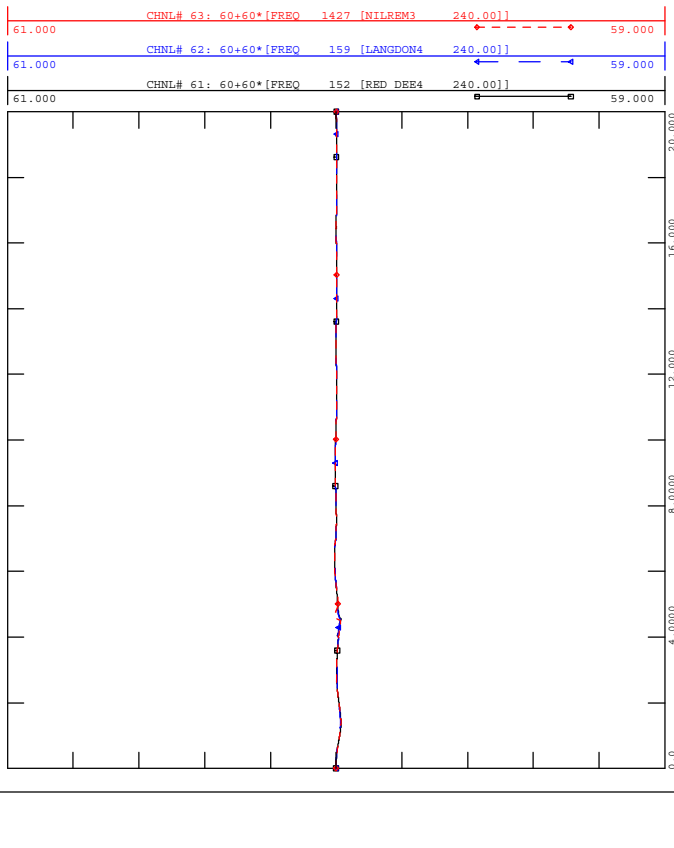


NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out

MON, NOV 21 2016 12:53

FREQUENCY



NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out

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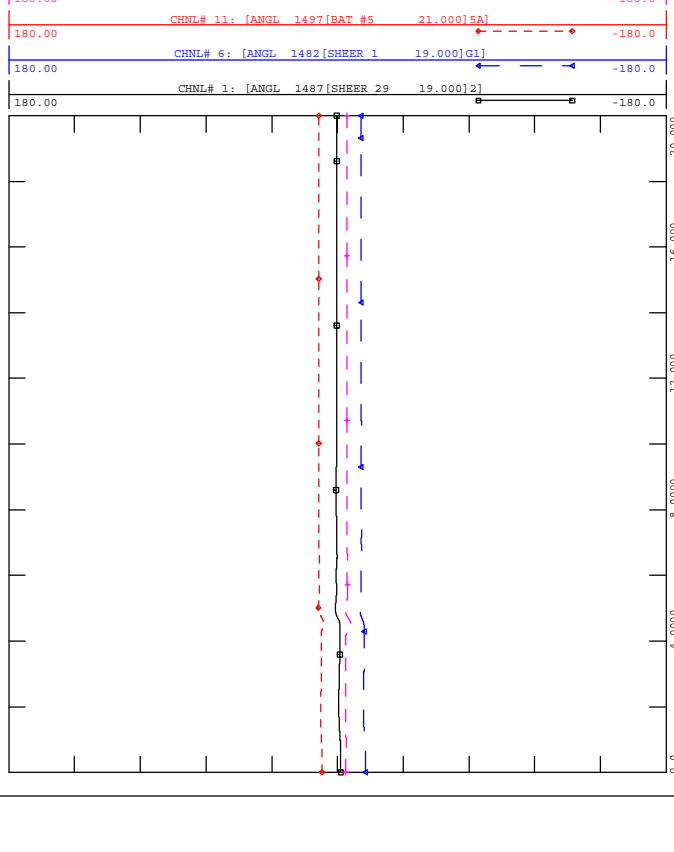
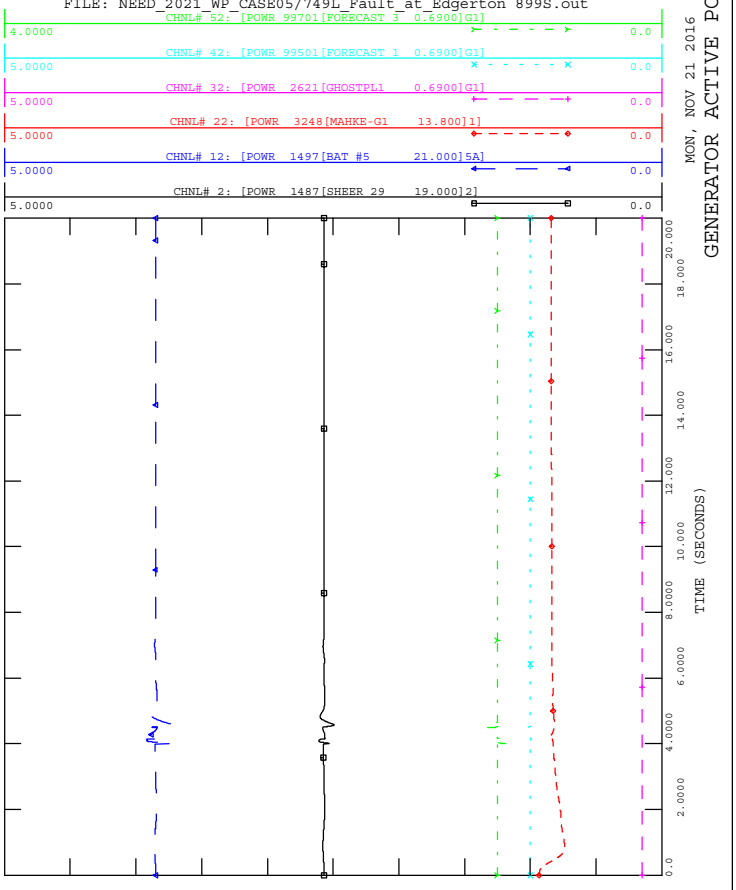
MACHINE ANGEL



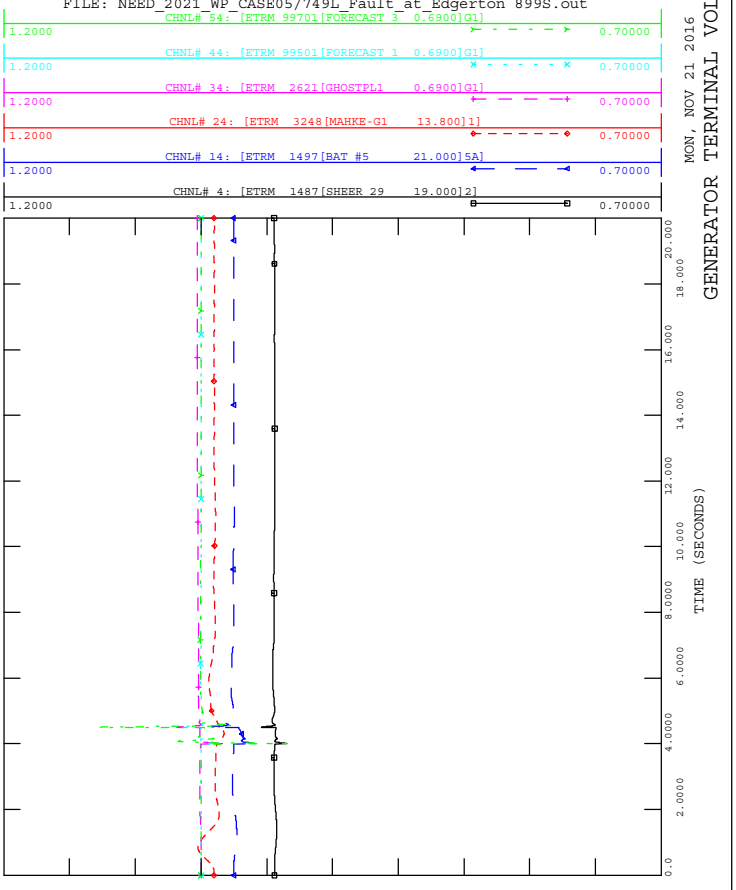
NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out



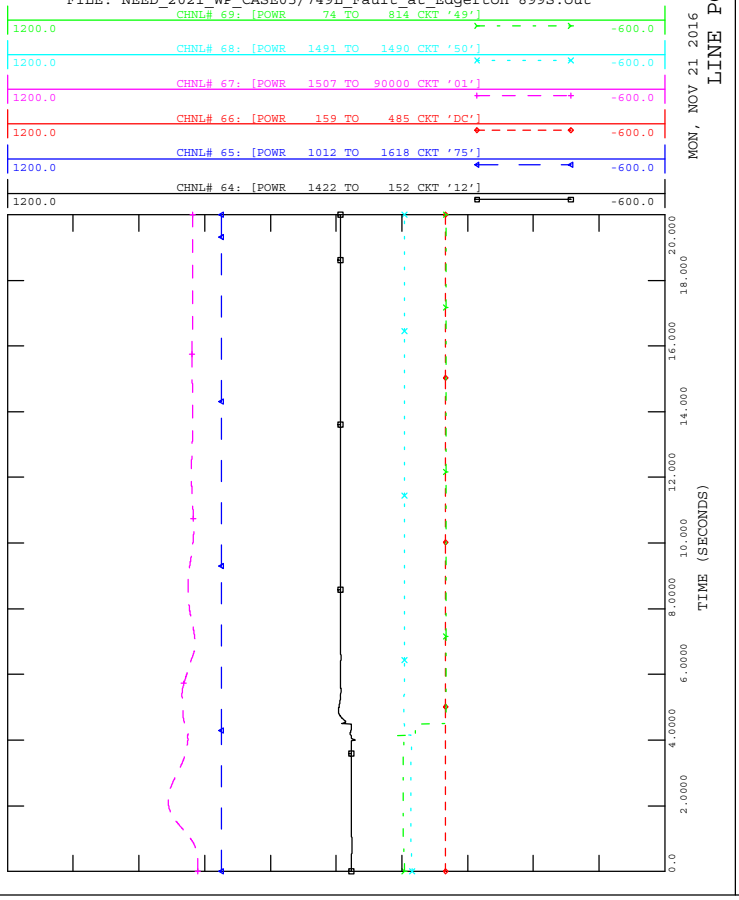
NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out



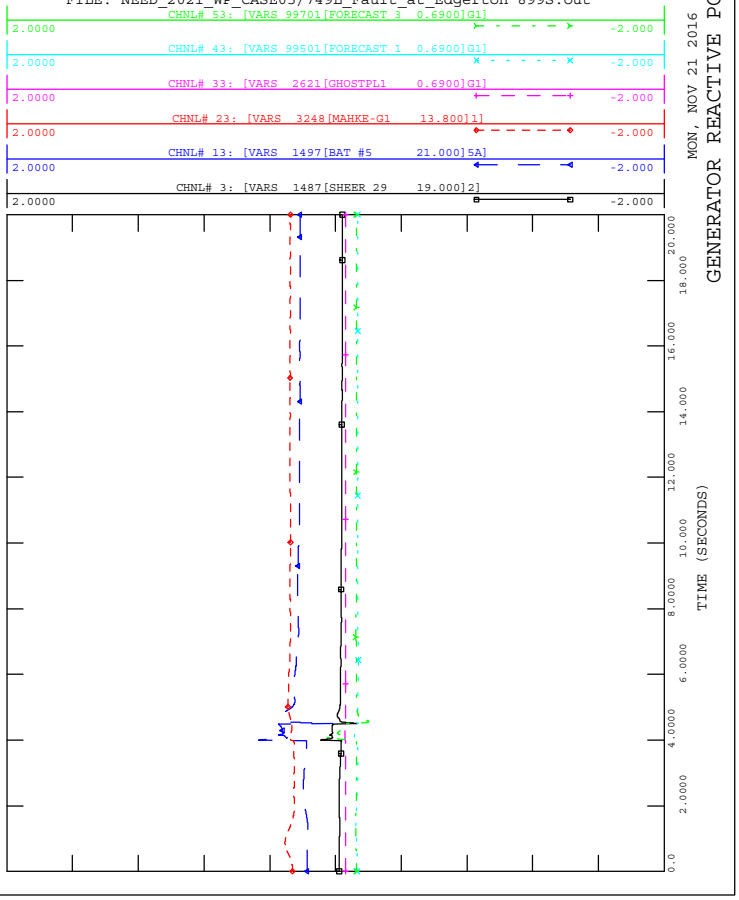
NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out



NEED_2021_WP_CASE05
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/749L_Fault_at_Edgerton 899S.out



NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out

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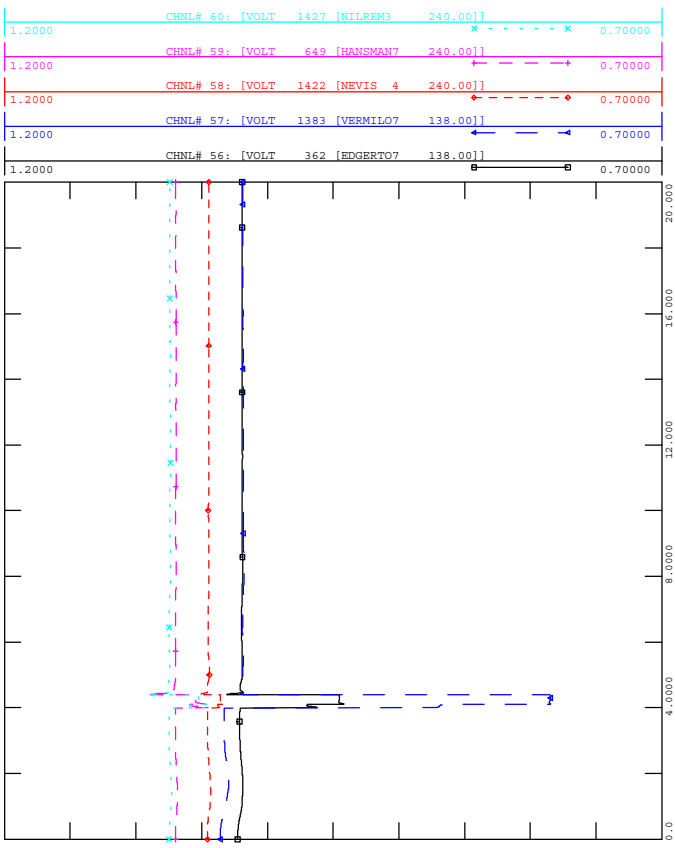
BUS VOLTAGE

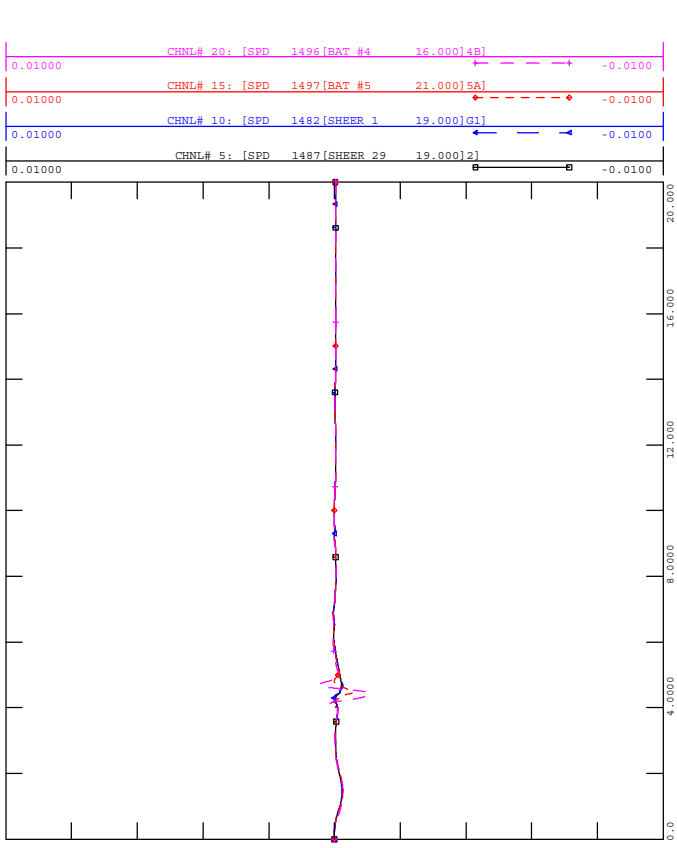


NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out

MON, NOV 21 2016 12:53

MACHINE SPEED



NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out

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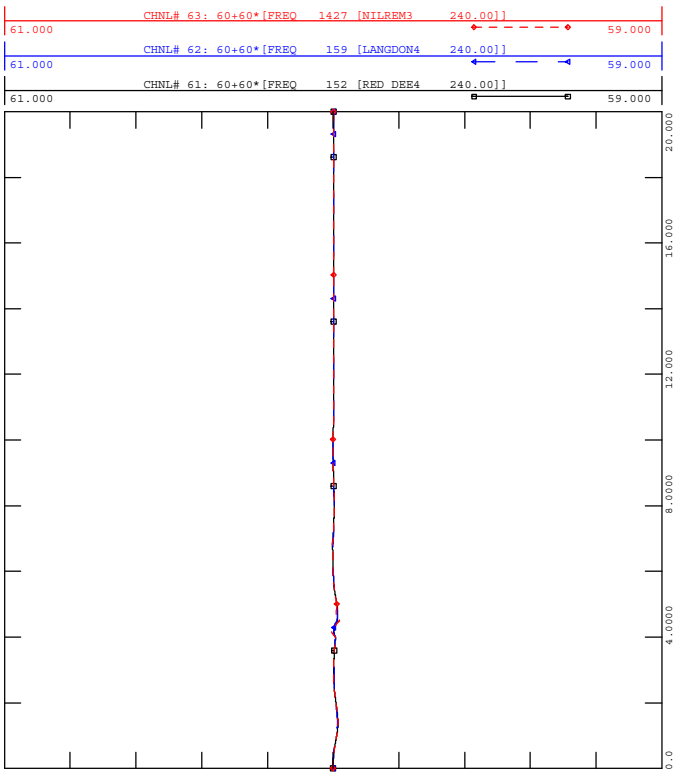
FREQUENCY



NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out

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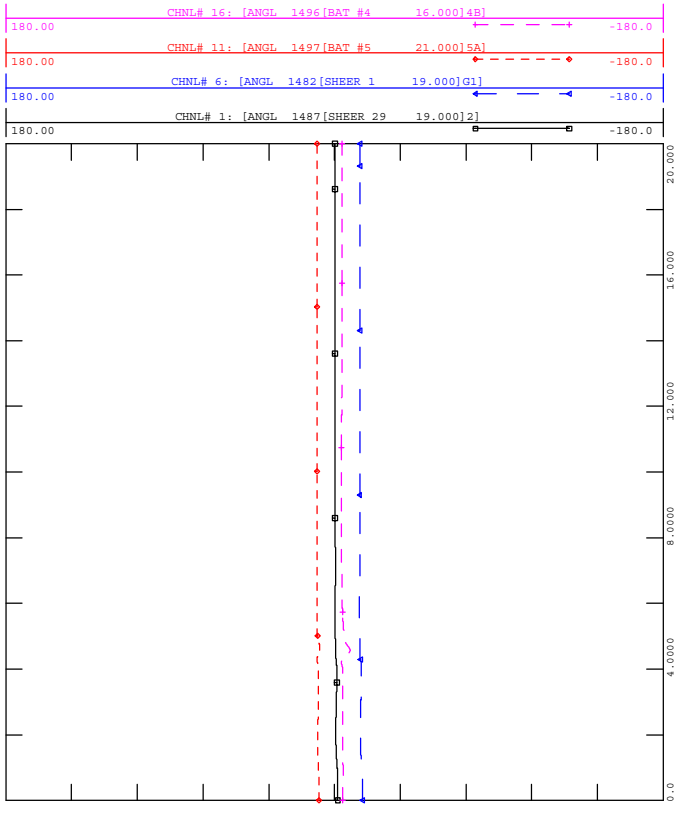
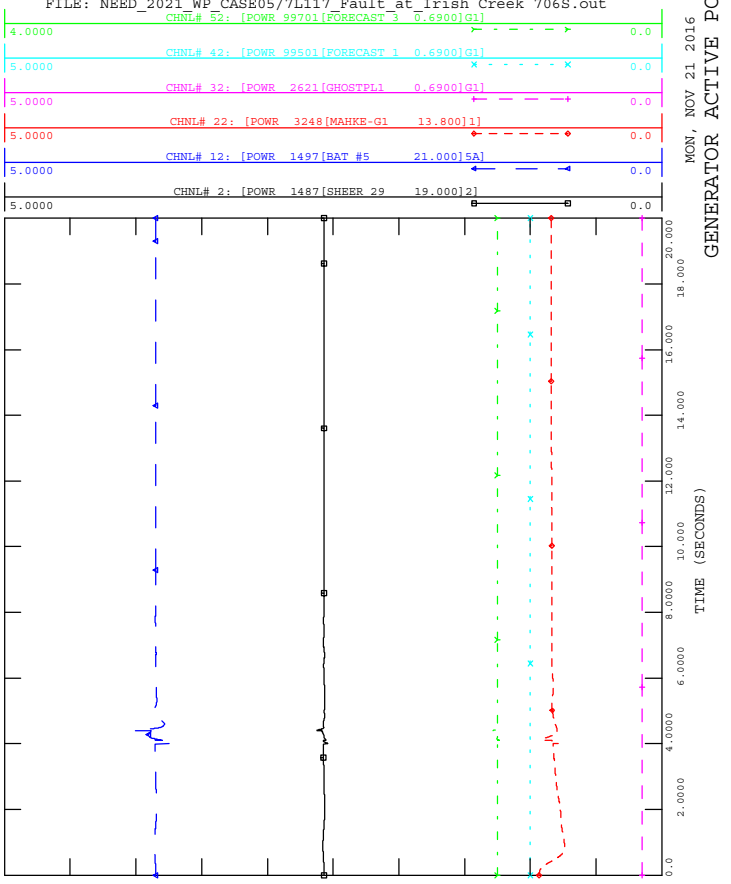
MACHINE ANGEL



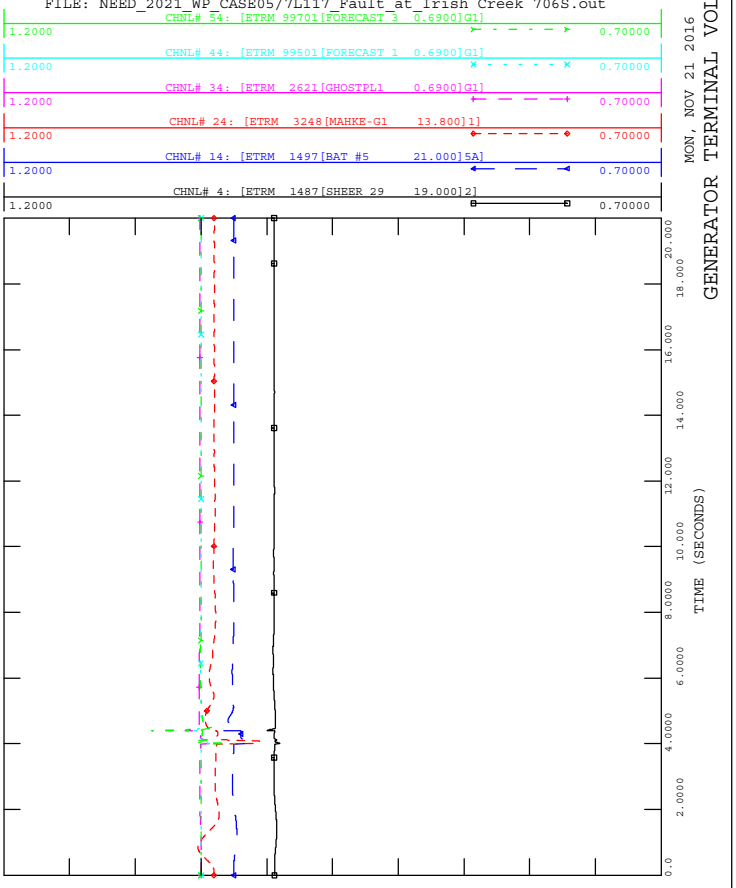
NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out



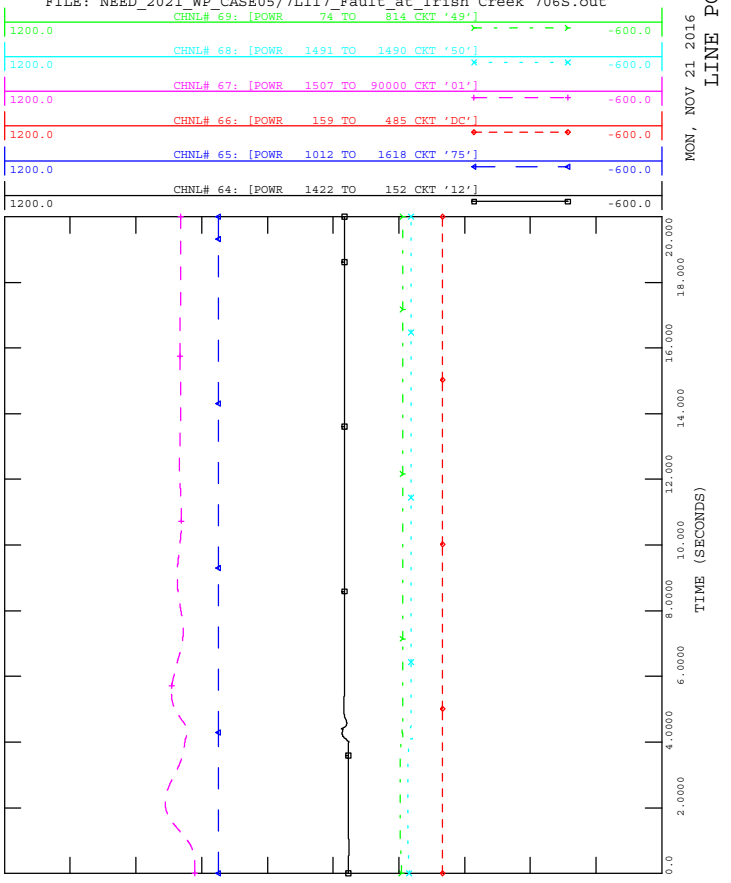
NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out



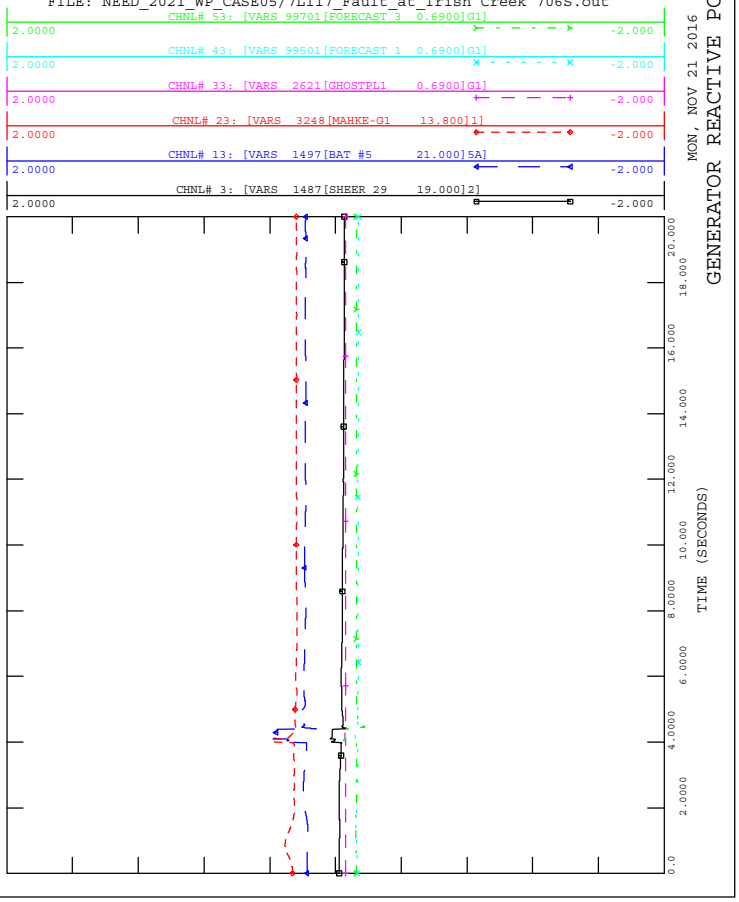
NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out



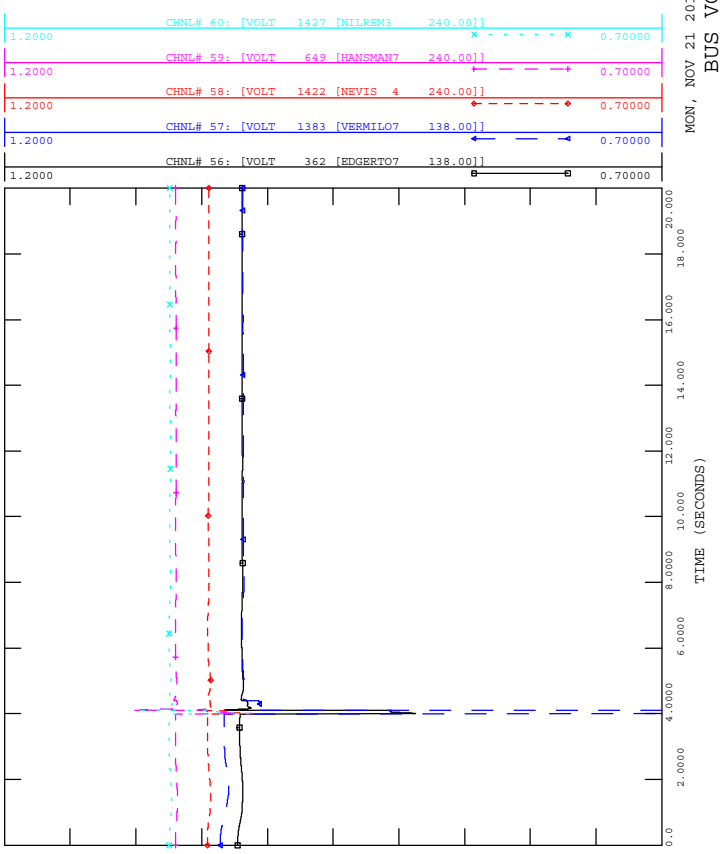
NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Irish Creek 706S.out



NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out



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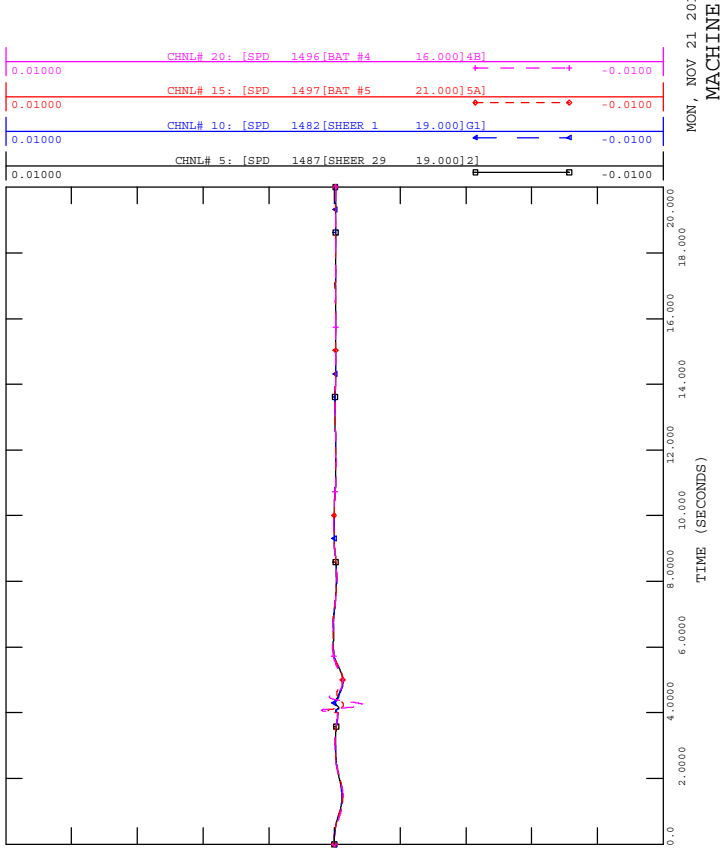
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out

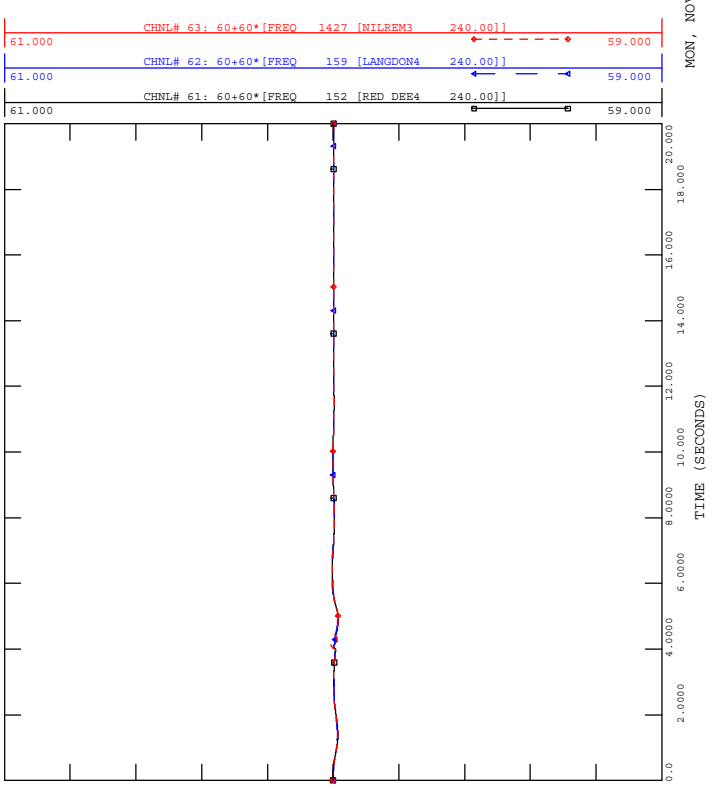


MON, NOV 21 2016 12:53

MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out



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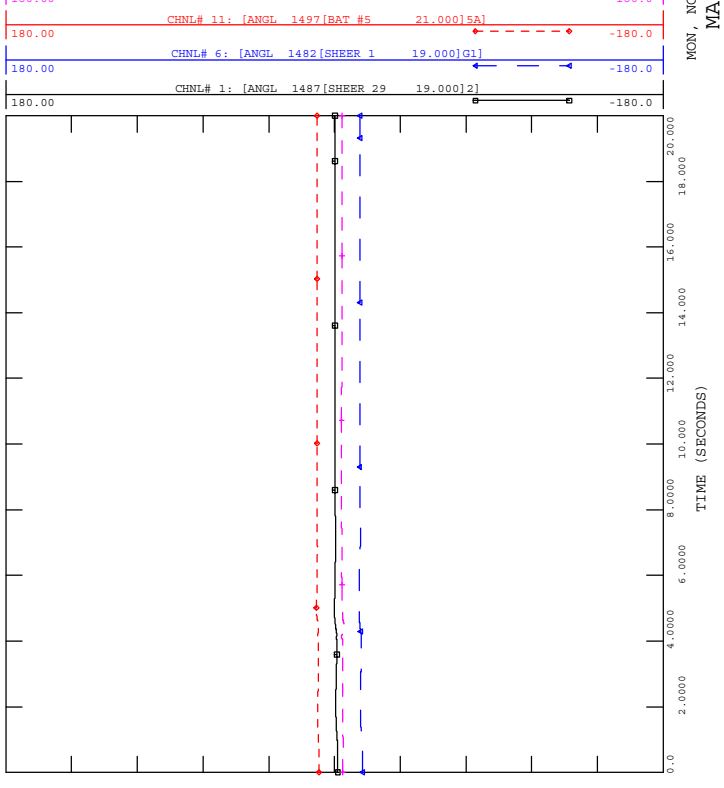
FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out

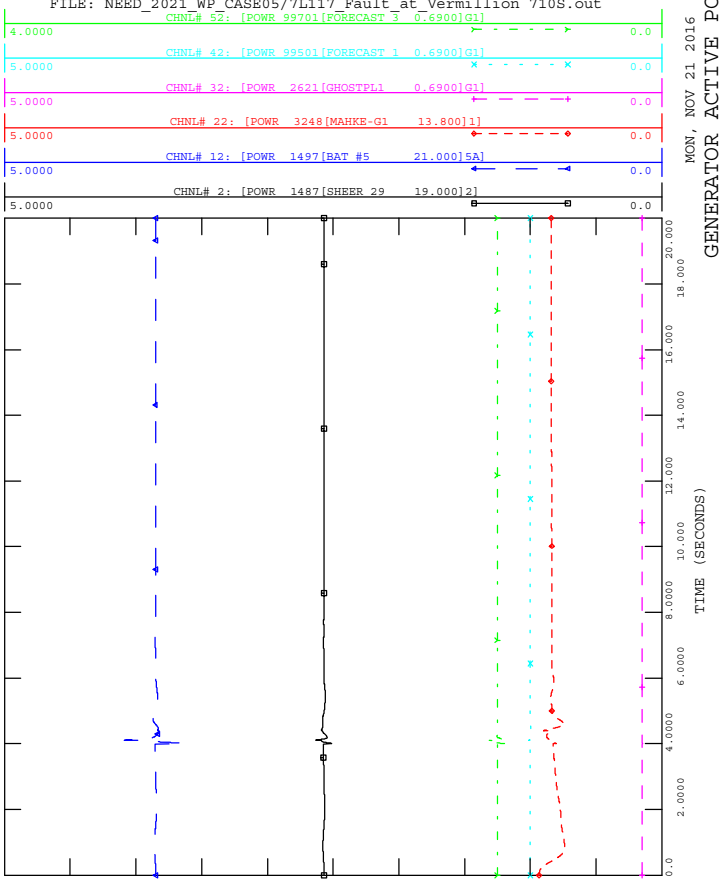


MON, NOV 21 2016 12:53

MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out



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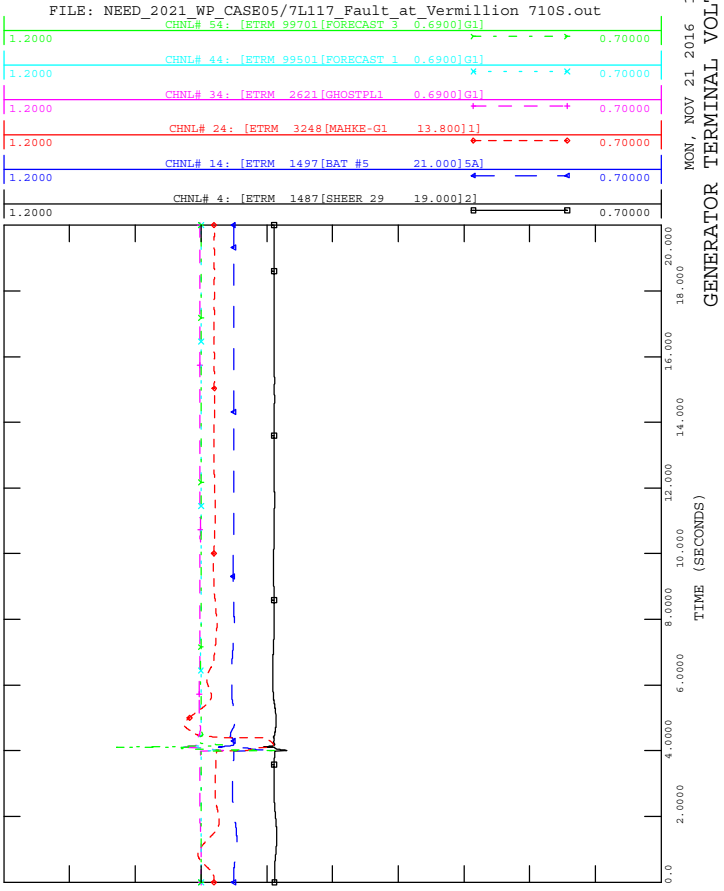
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out



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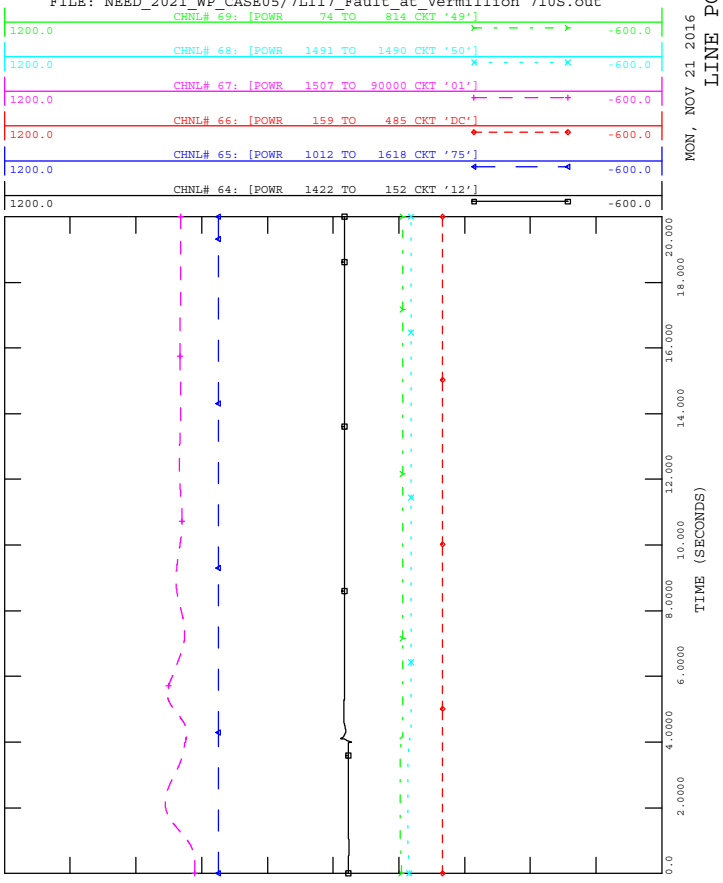
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

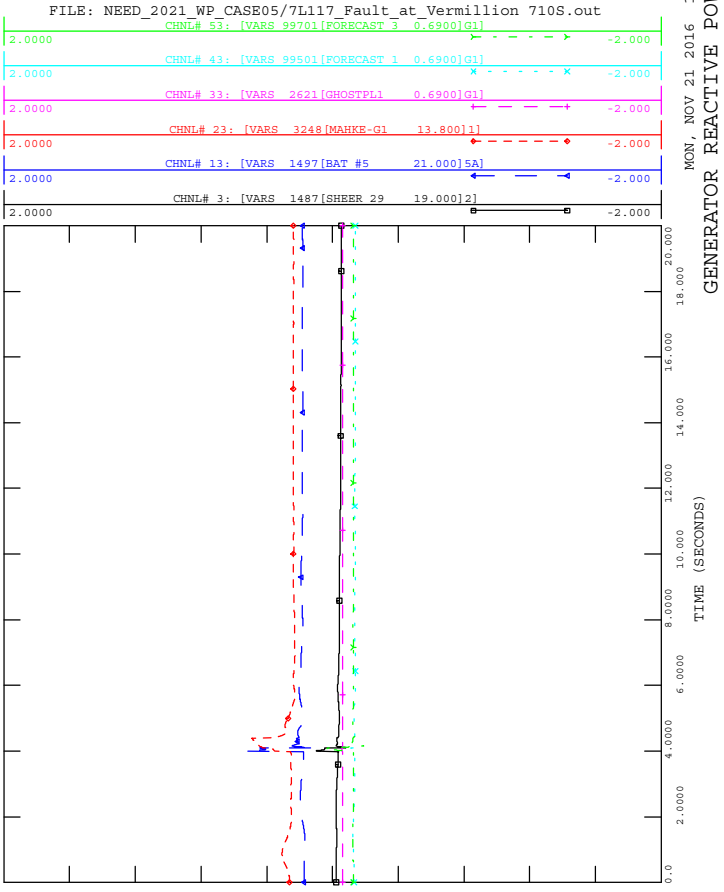
FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

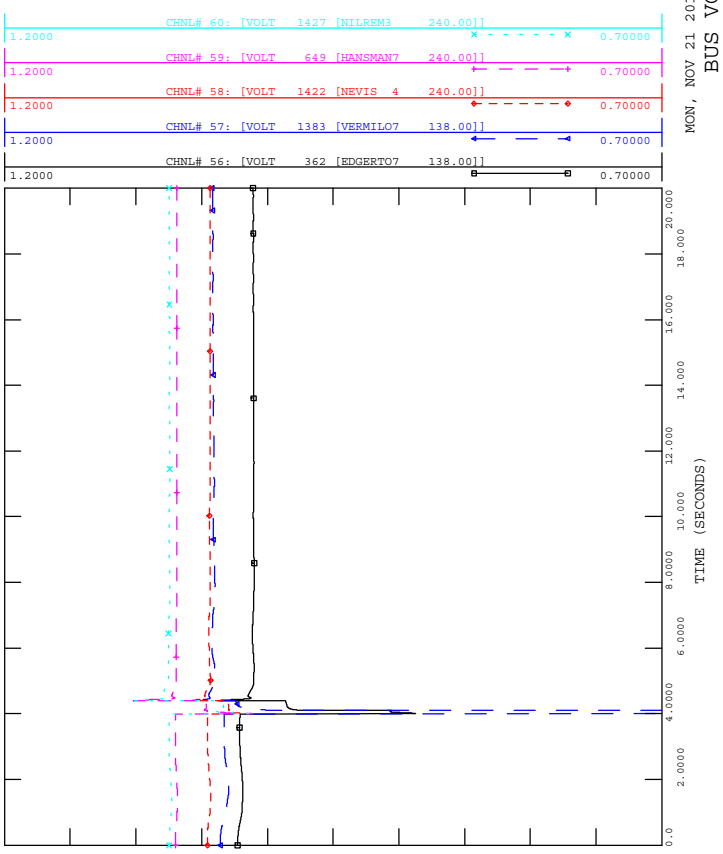
FILE: NEED_2021_WP_CASE05/7L117_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out



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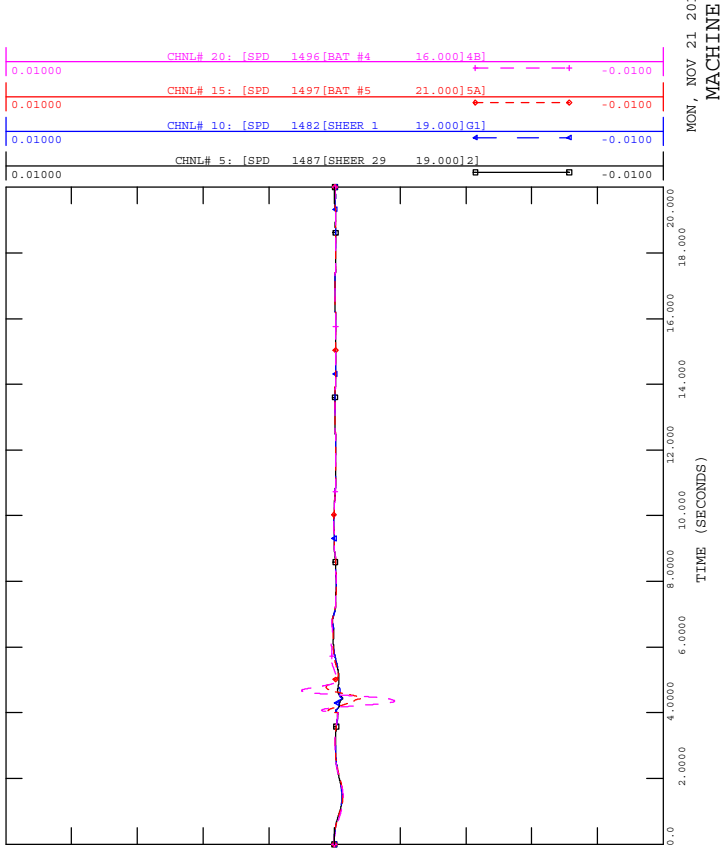
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out

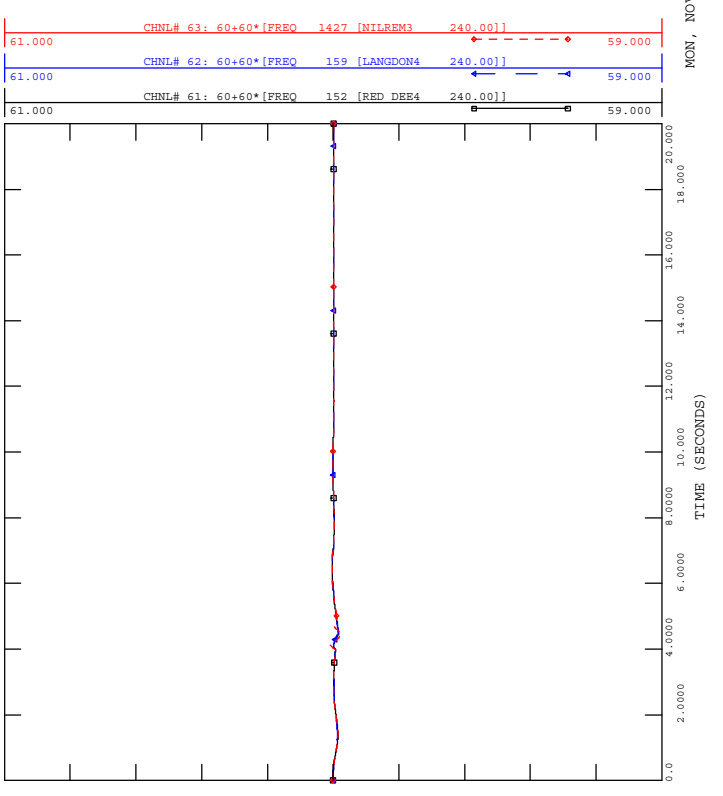


MON, NOV 21 2016 12:53

MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out

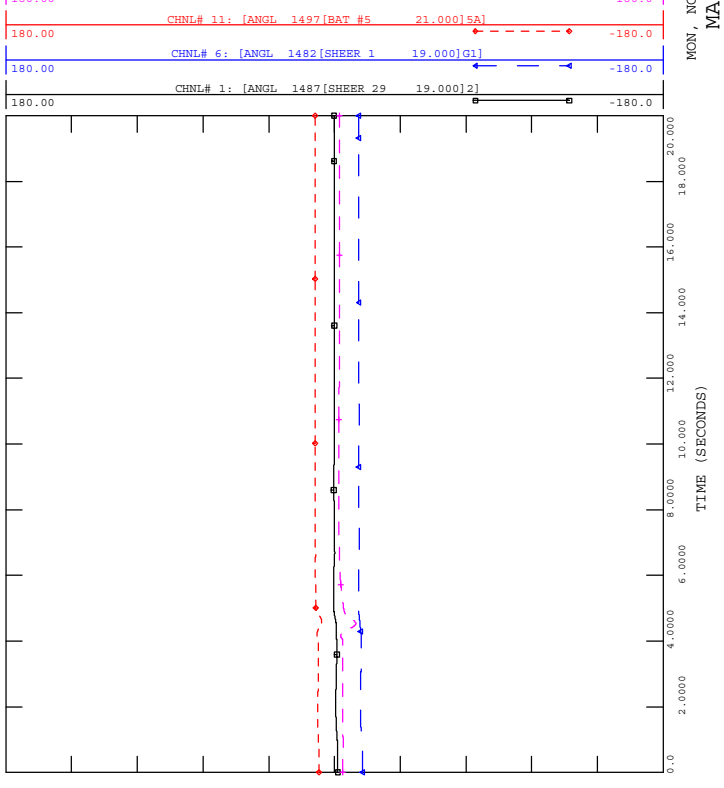


MON, NOV 21 2016 12:53

FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out

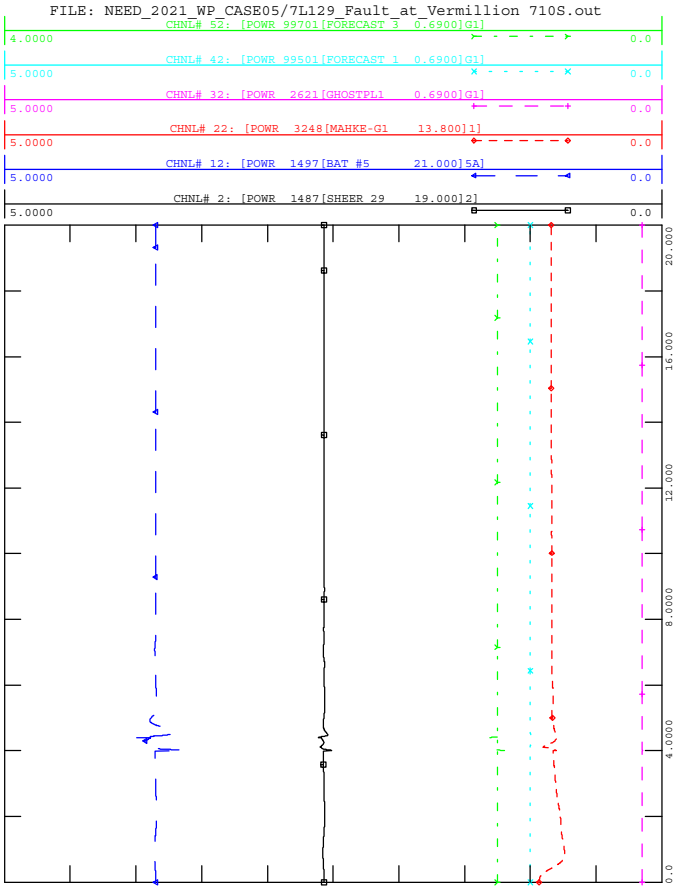


MON, NOV 21 2016 12:53

MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

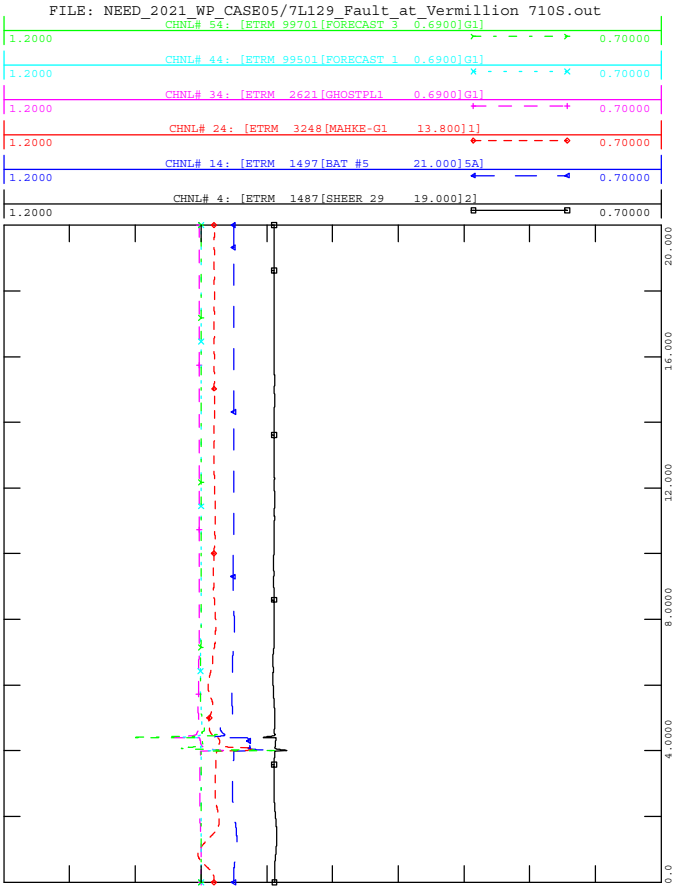
FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

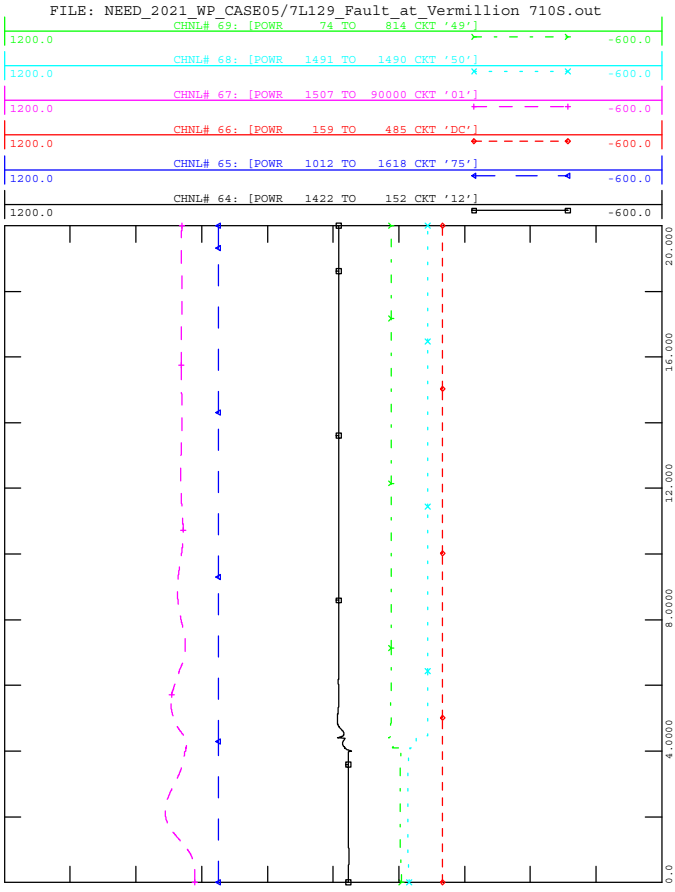
FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

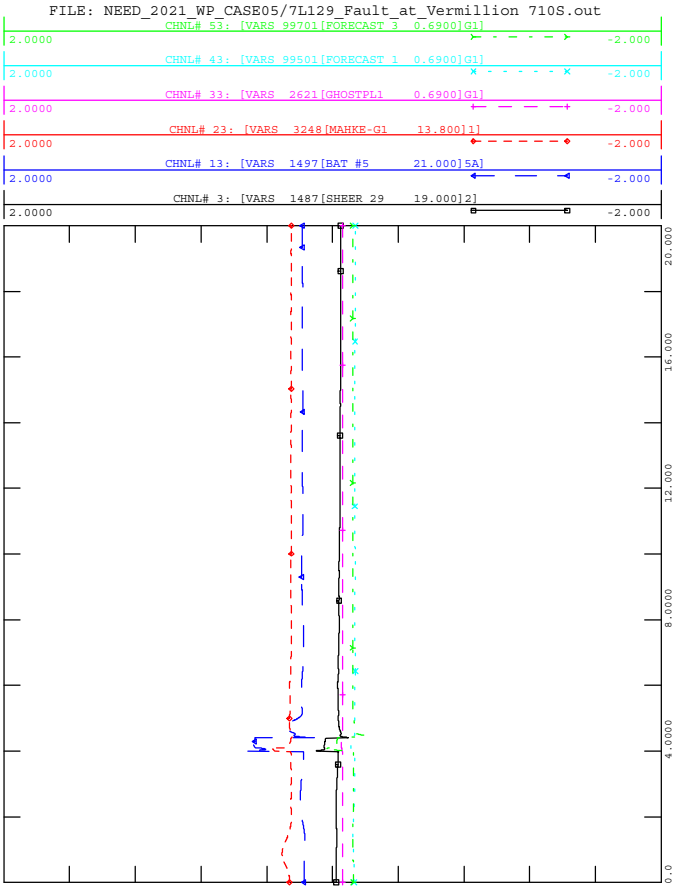
FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out



LINE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Vermillion 710S.out



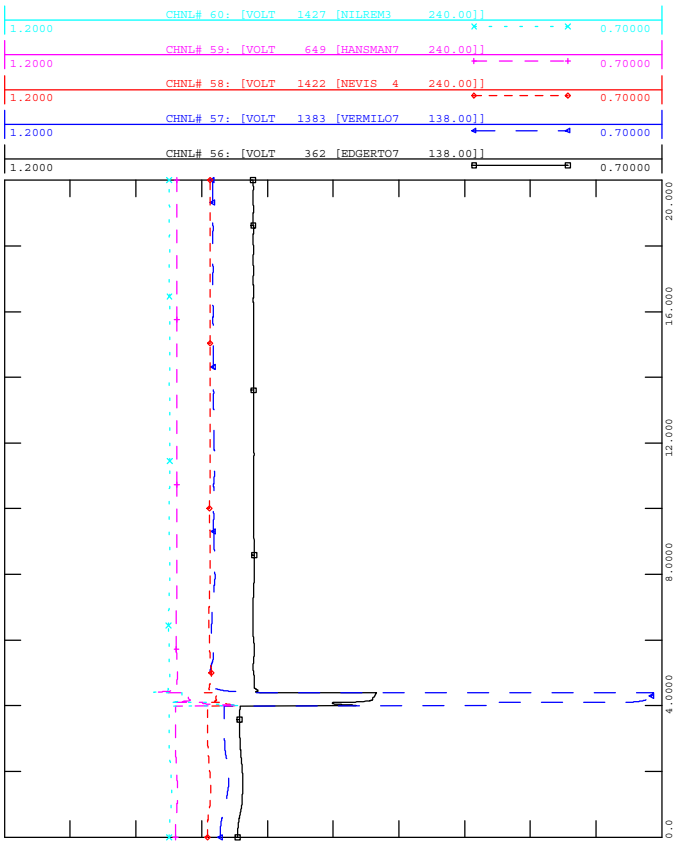
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

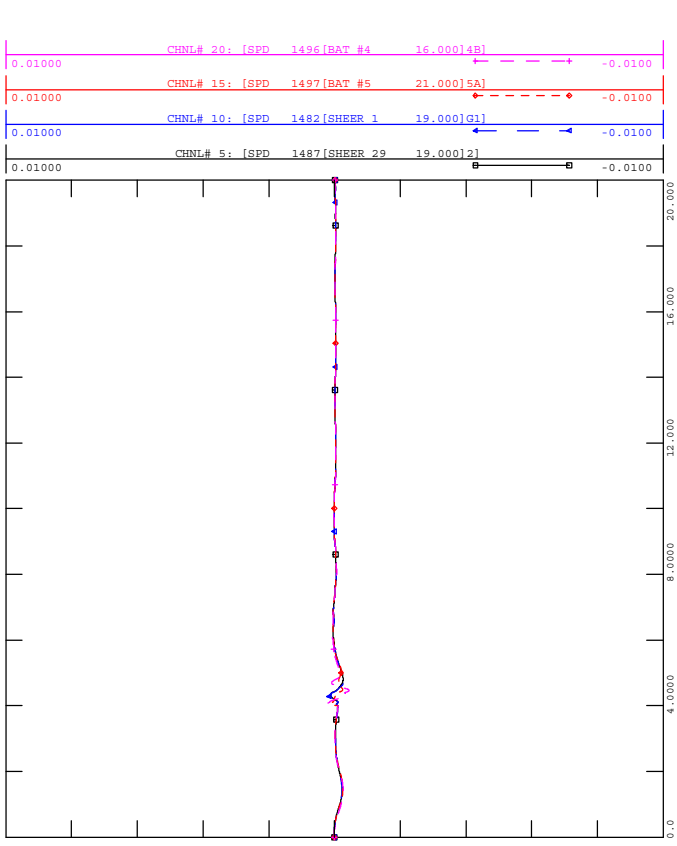


NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

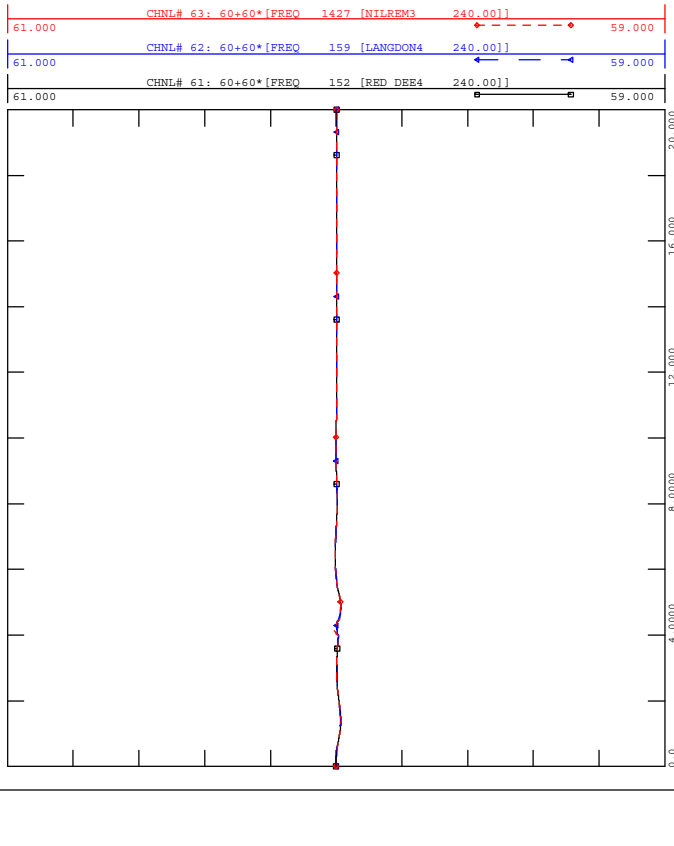


NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 12:53

FREQUENCY

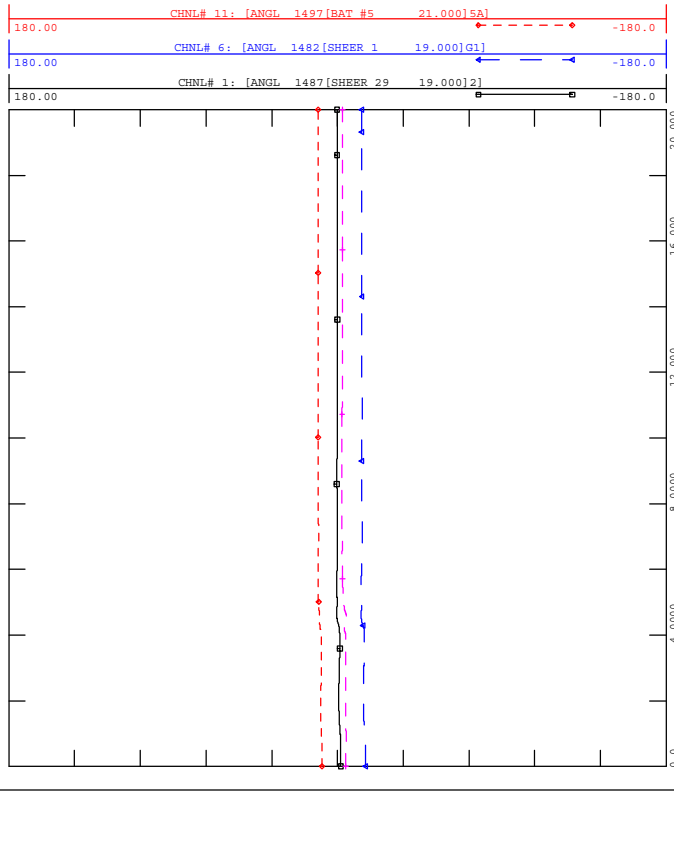


NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out

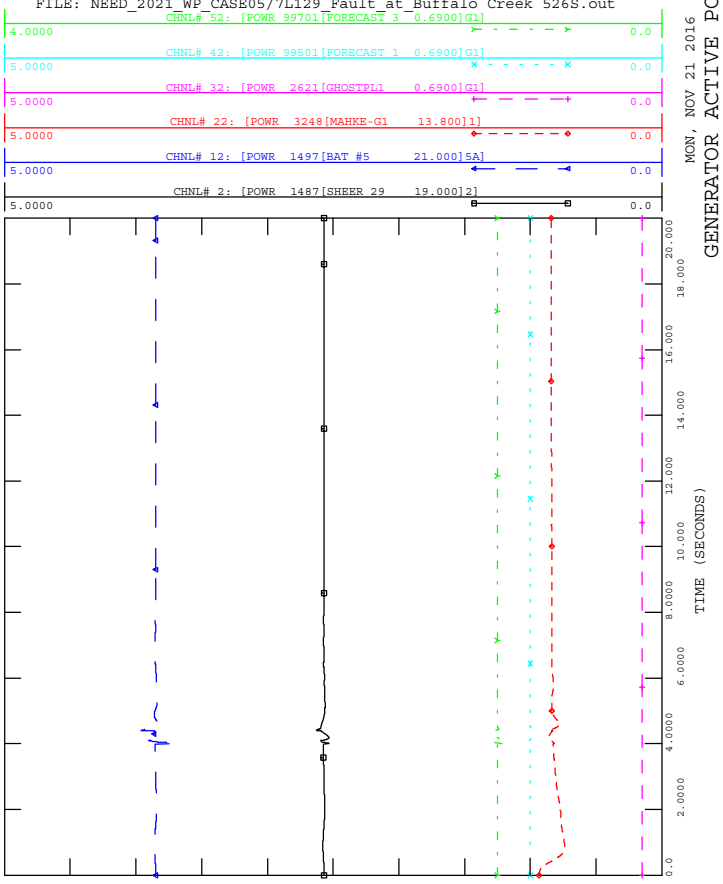
MON, NOV 21 2016 12:53

MACHINE ANGEL



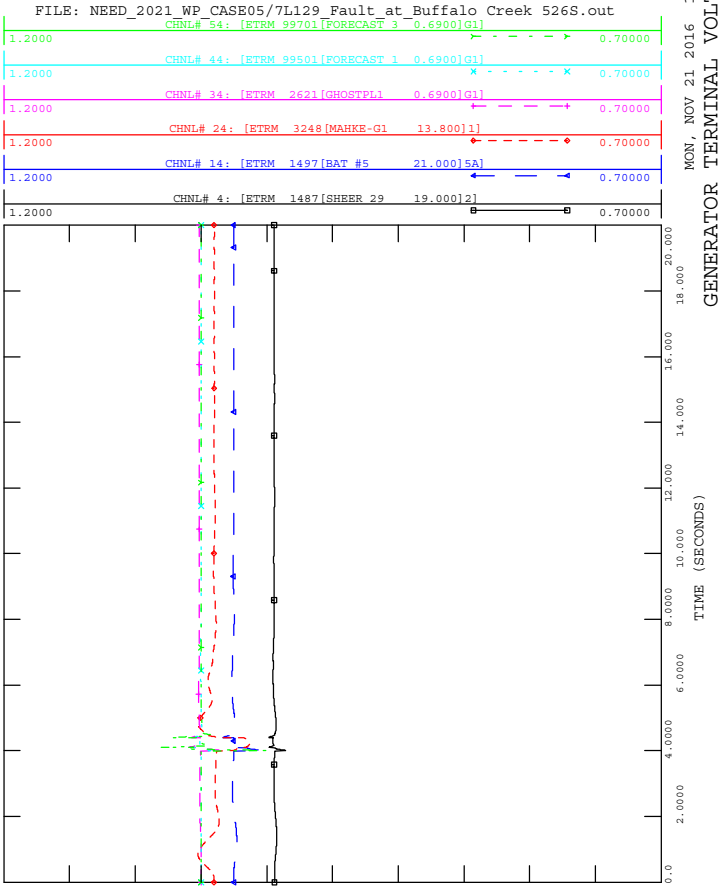
NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out



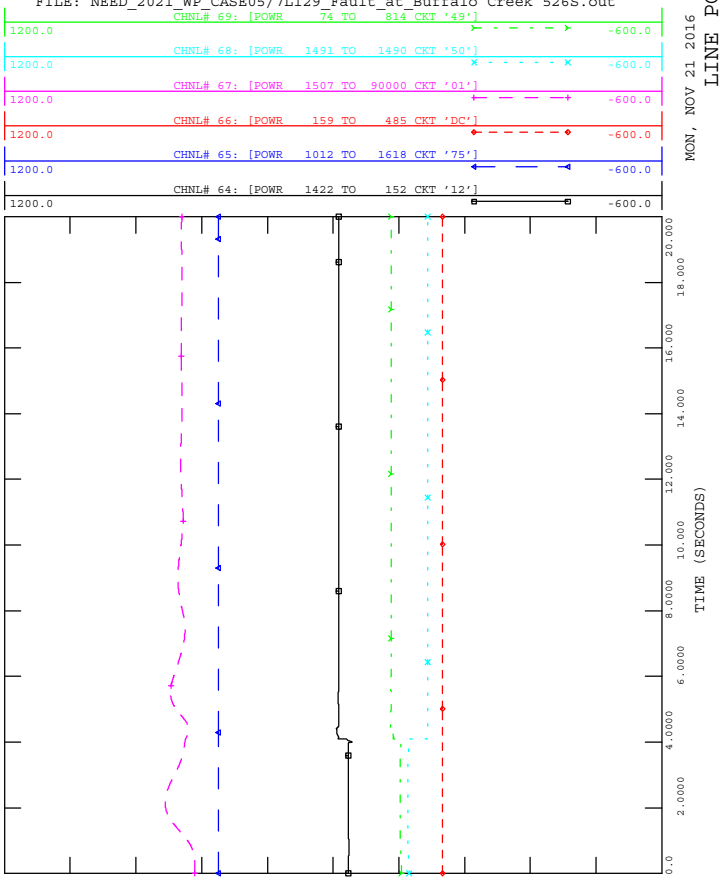
NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out



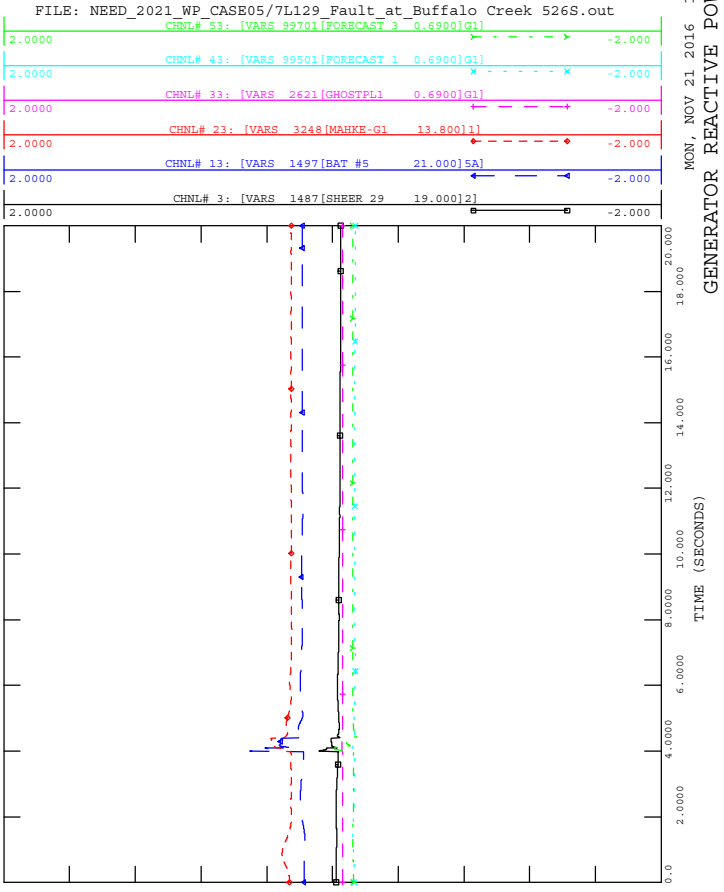
NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out



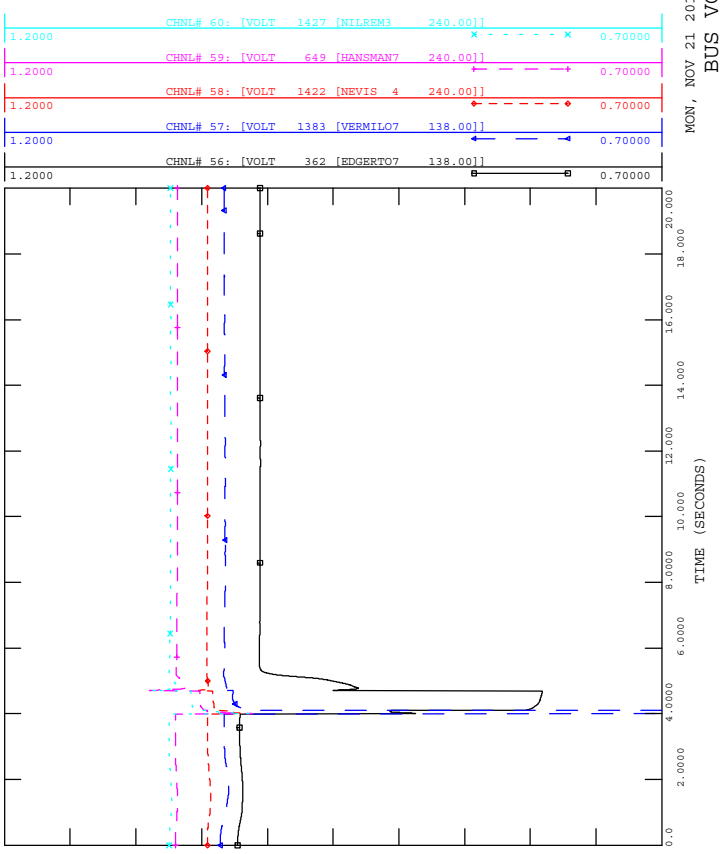
NEED_2021_WP_CASE05
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L129_Fault_at_Buffalo Creek 526S.out



NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out

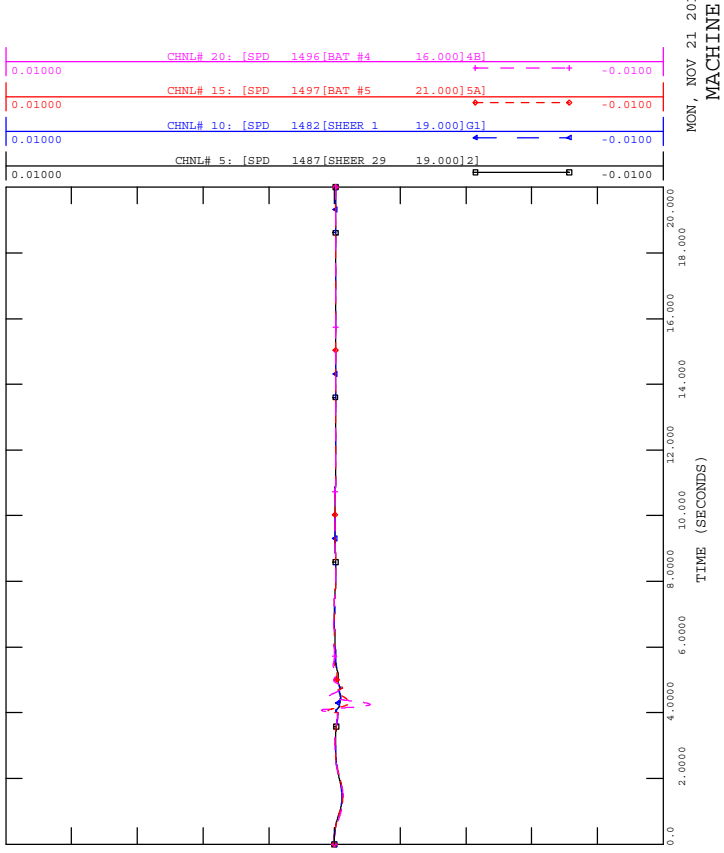


MON, NOV 21 2016 12:53

BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out

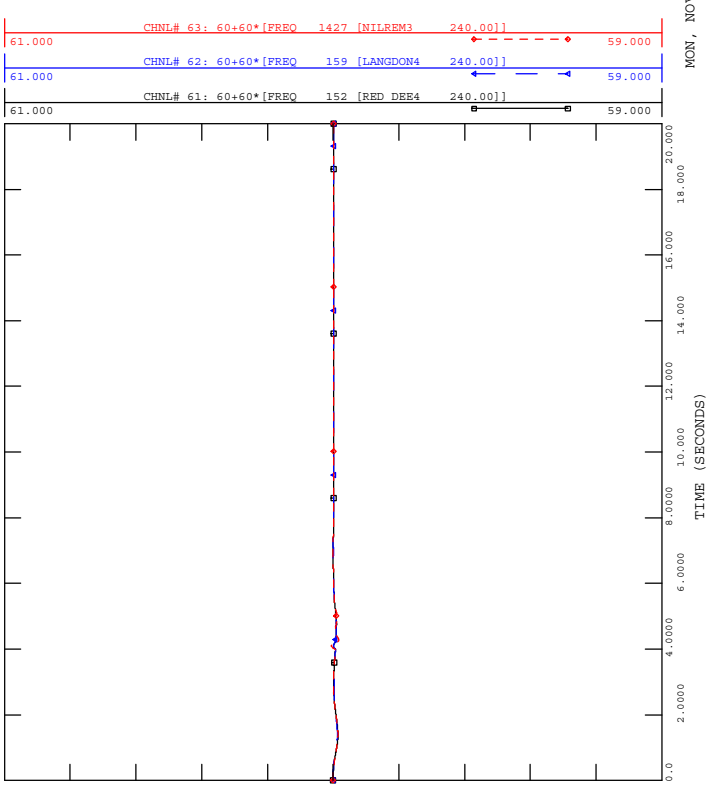


MON, NOV 21 2016 12:53

MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out

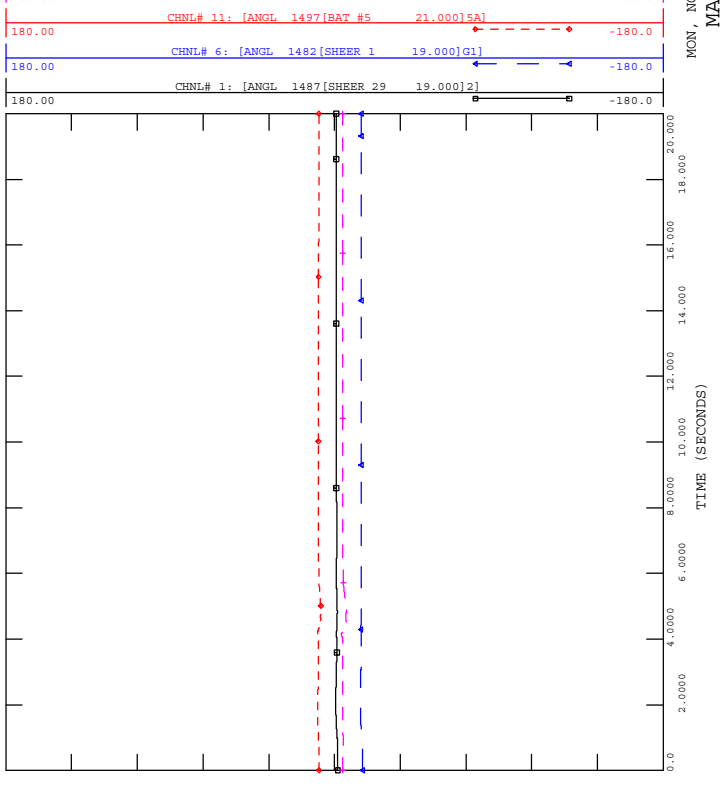


MON, NOV 21 2016 12:53

FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out

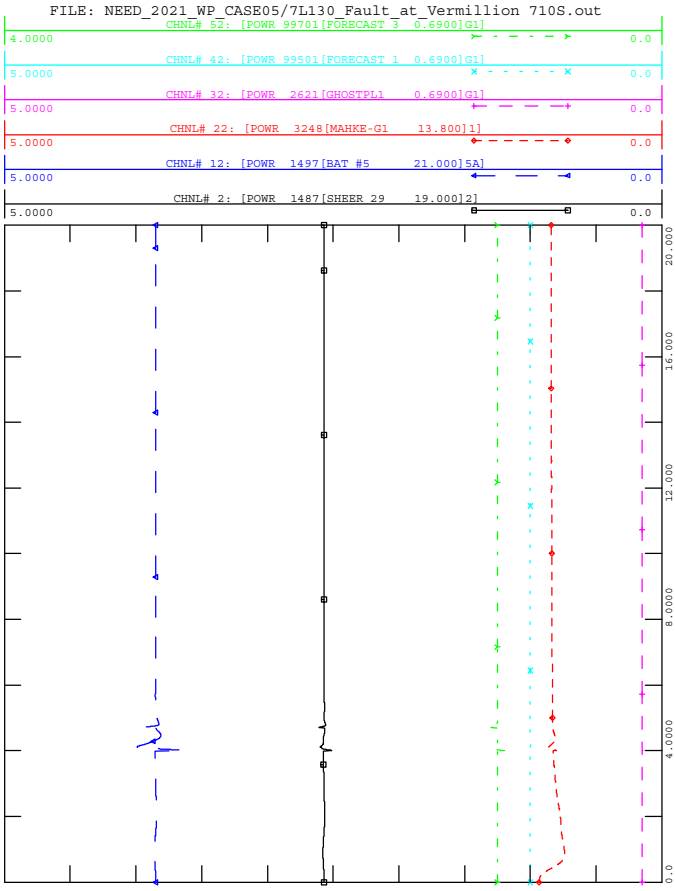


MON, NOV 21 2016 12:53

MACHINE ANGEL

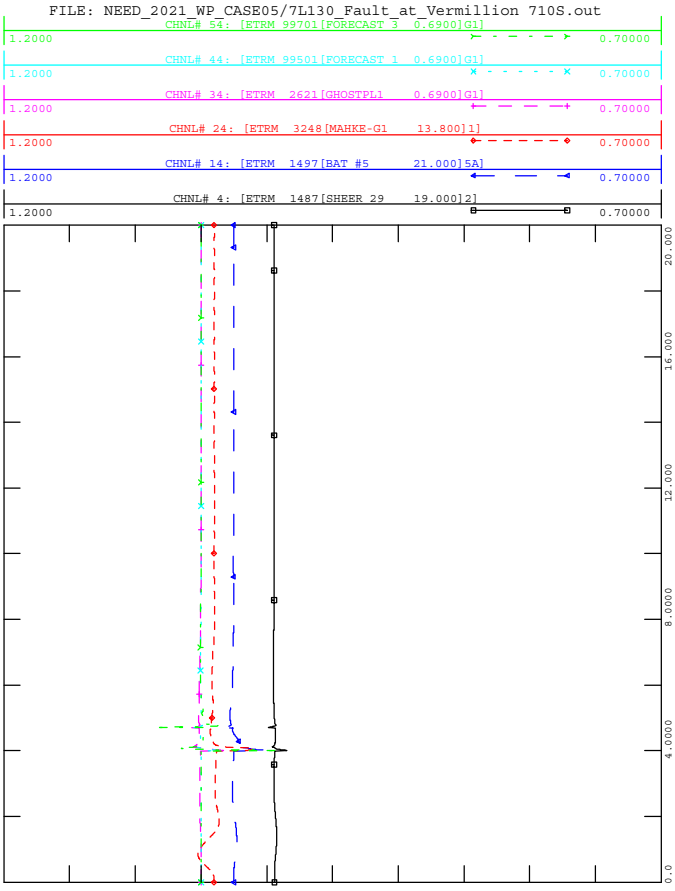
NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out



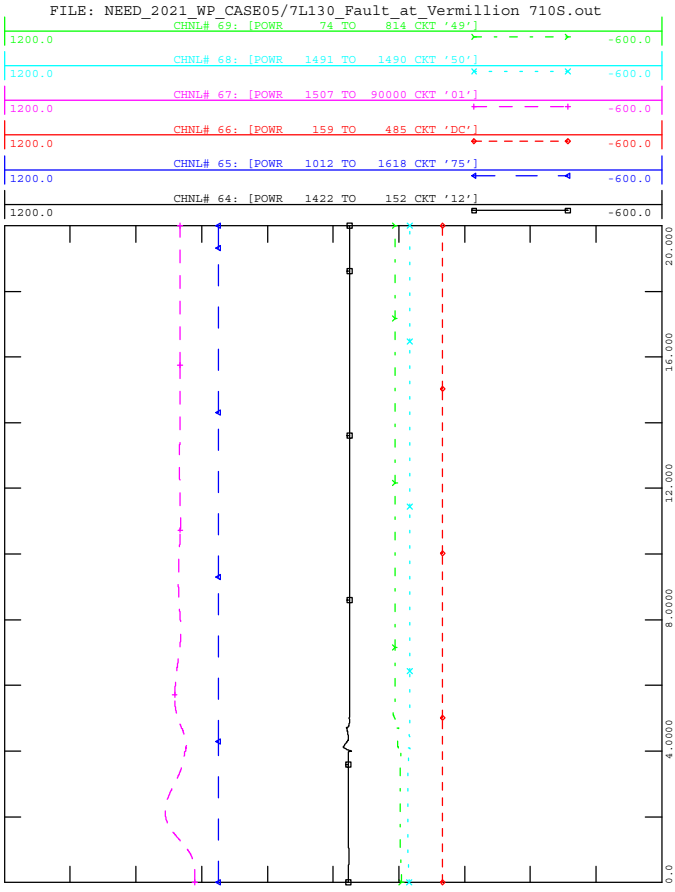
NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out



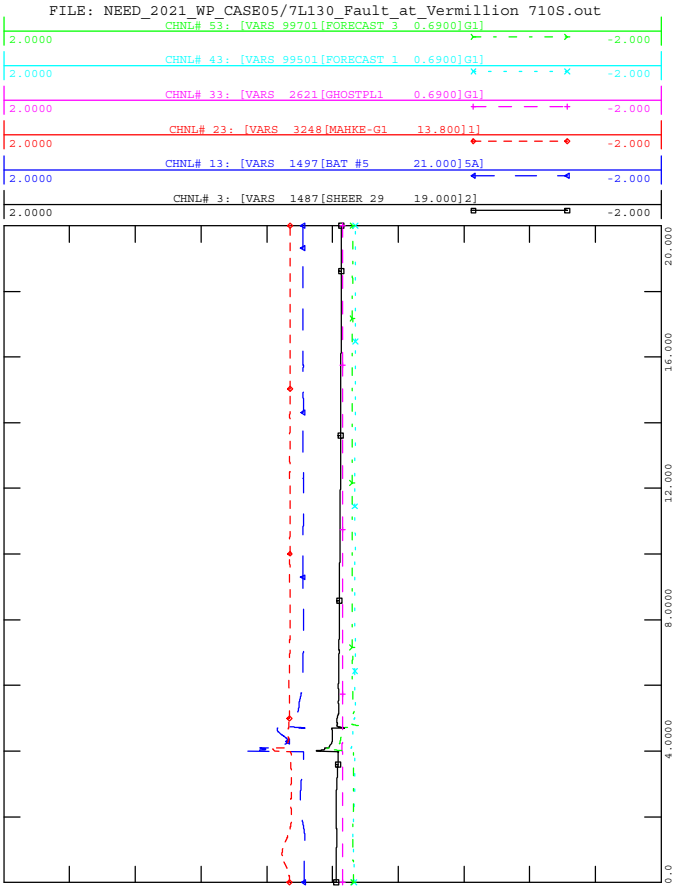
NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out



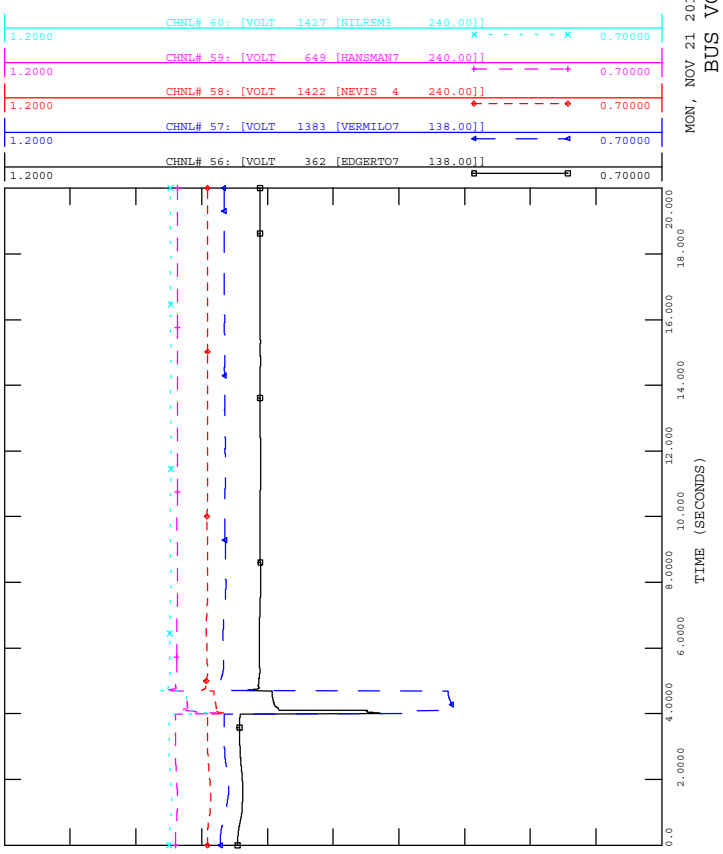
NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Vermillion 710S.out



NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

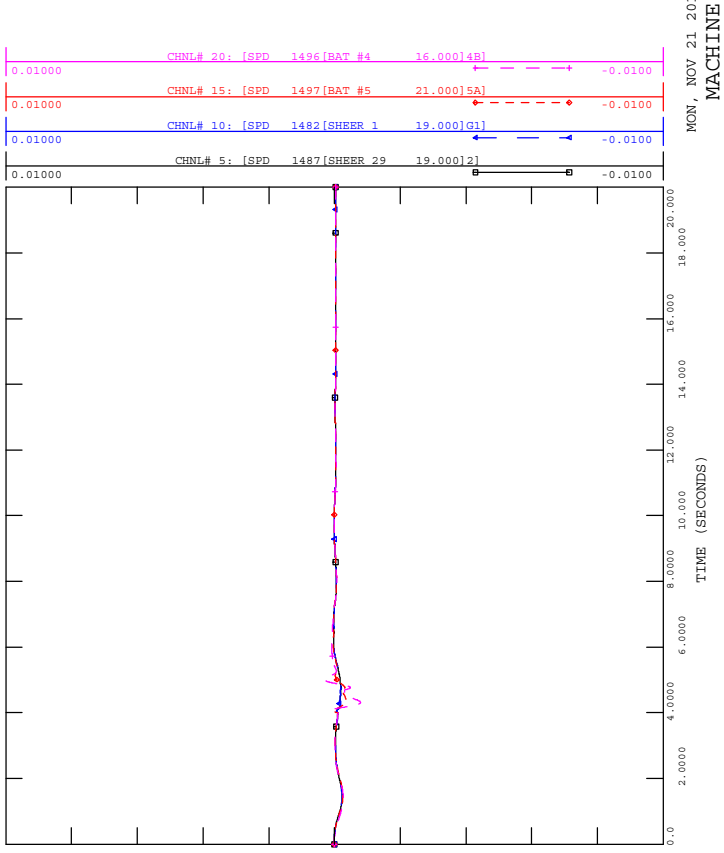
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

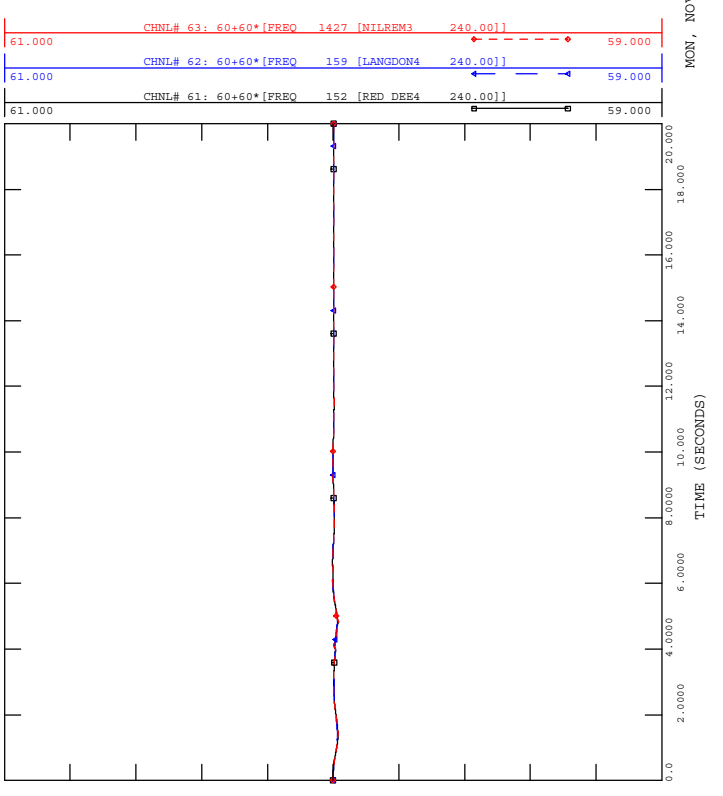
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

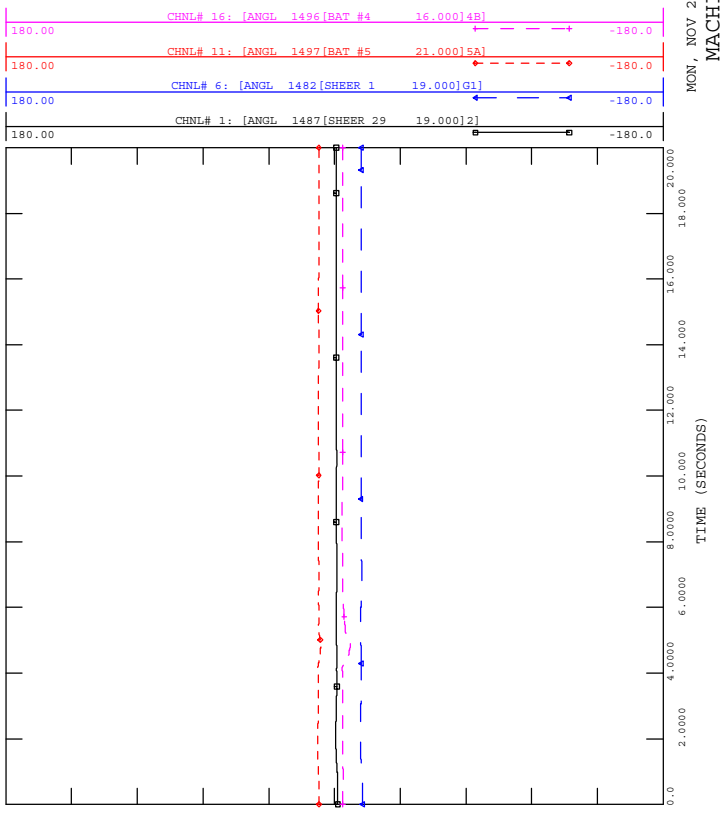
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

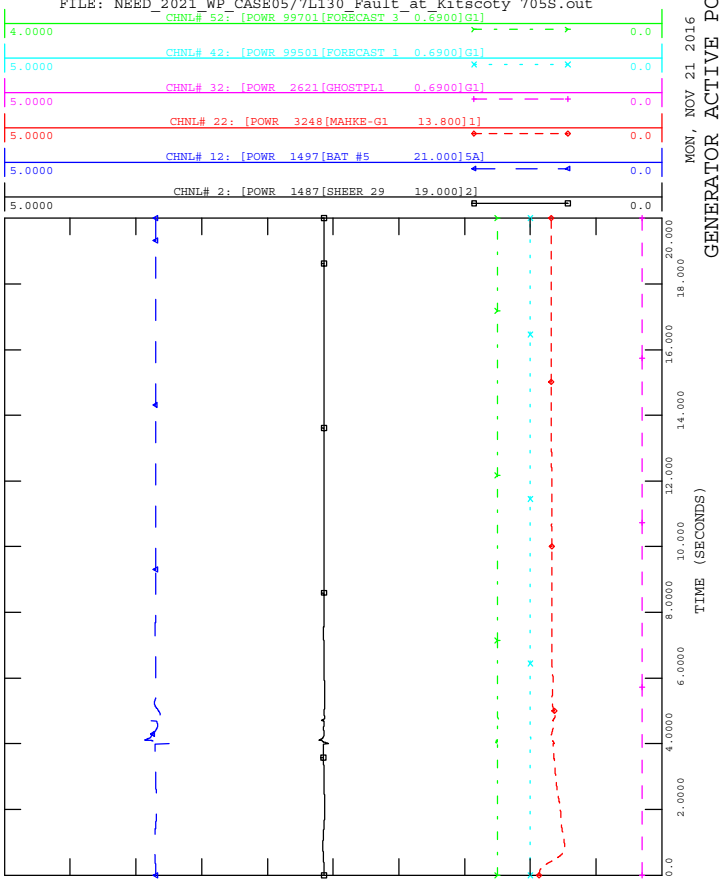
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

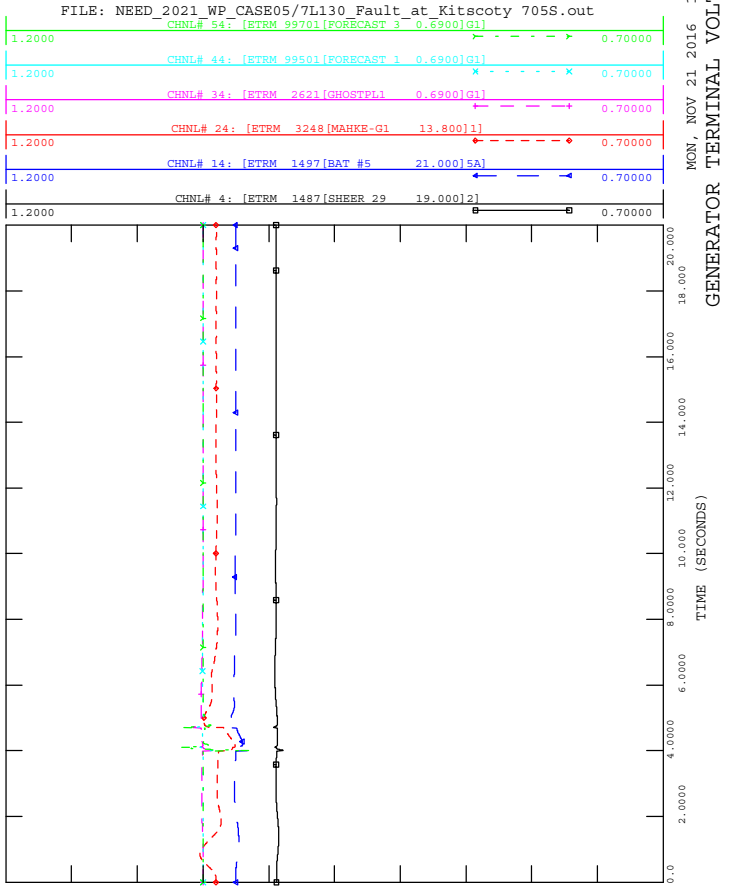
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

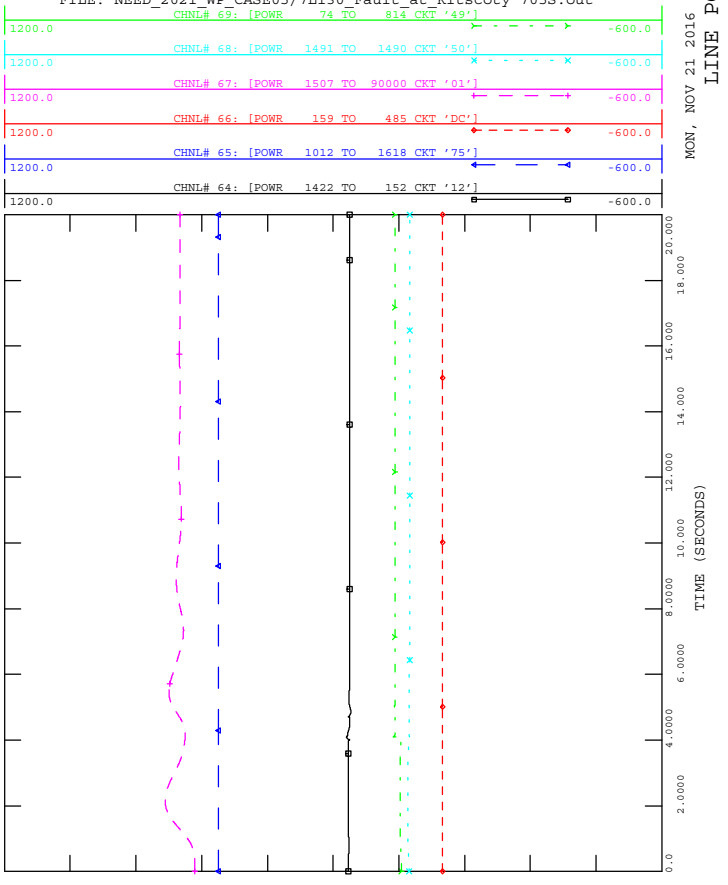
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

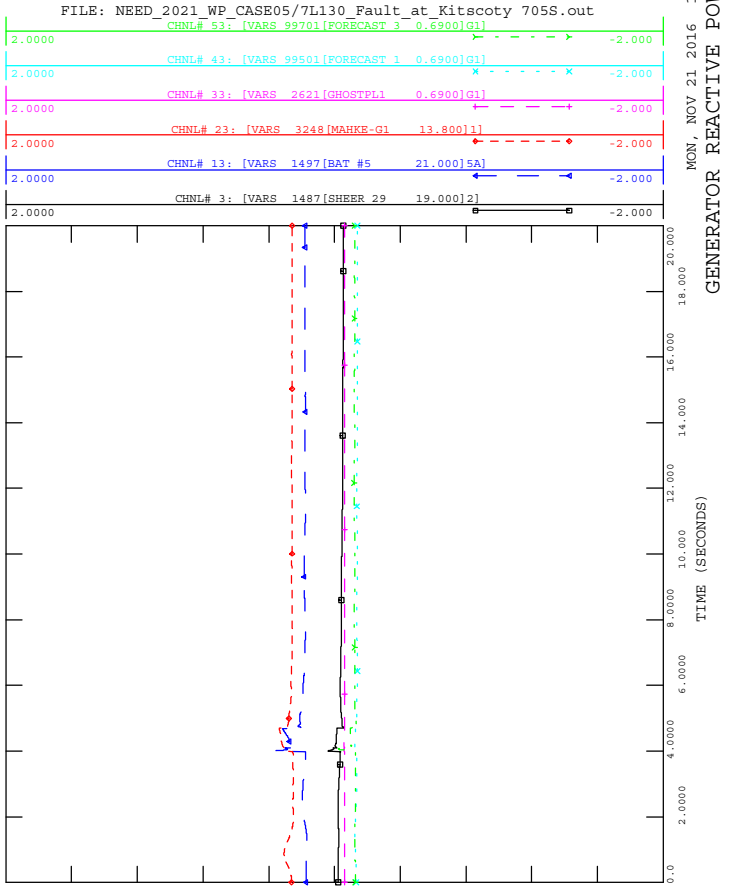
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

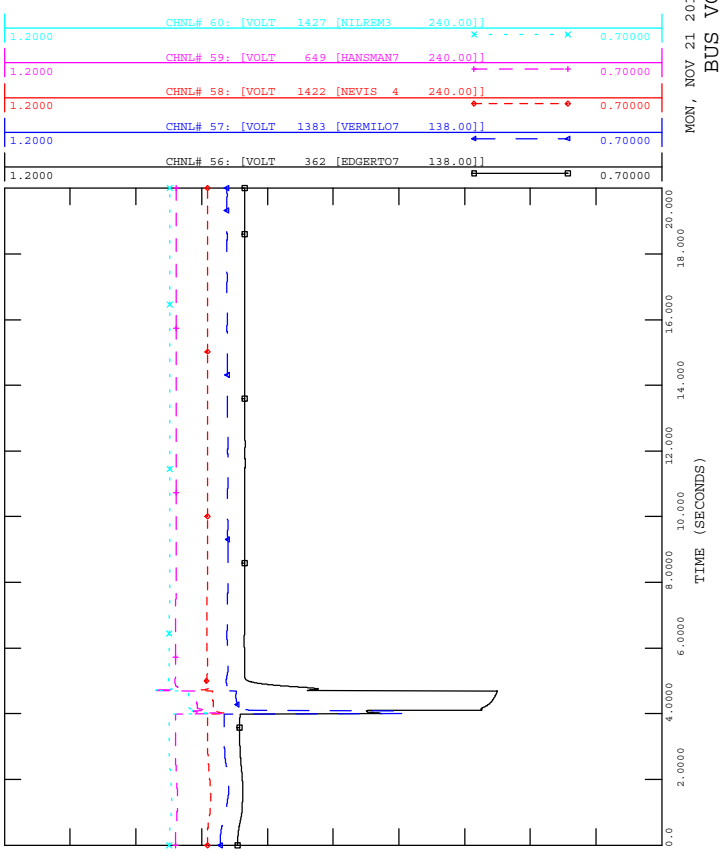
FILE: NEED_2021_WP_CASE05/7L130_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

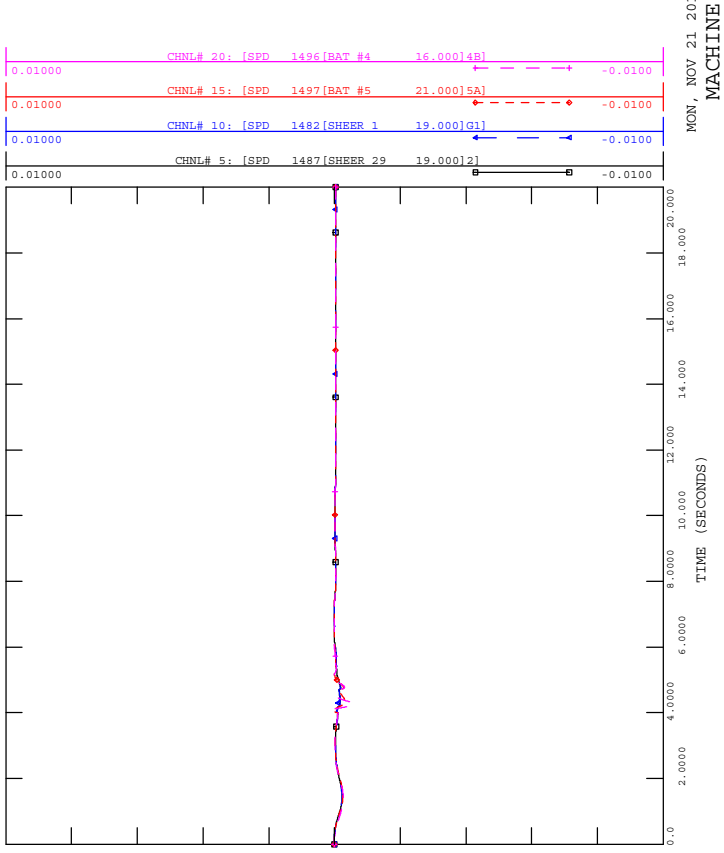
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

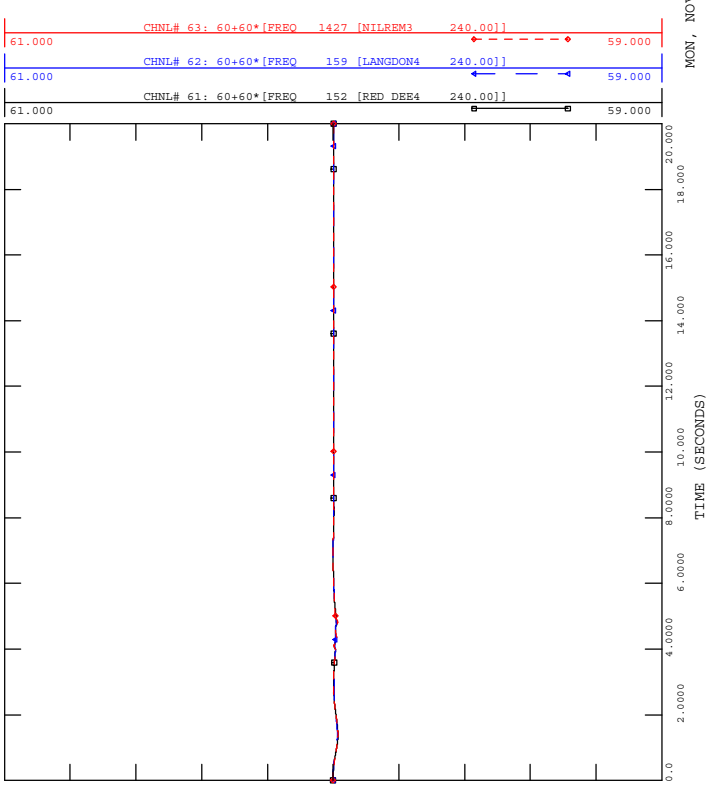
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

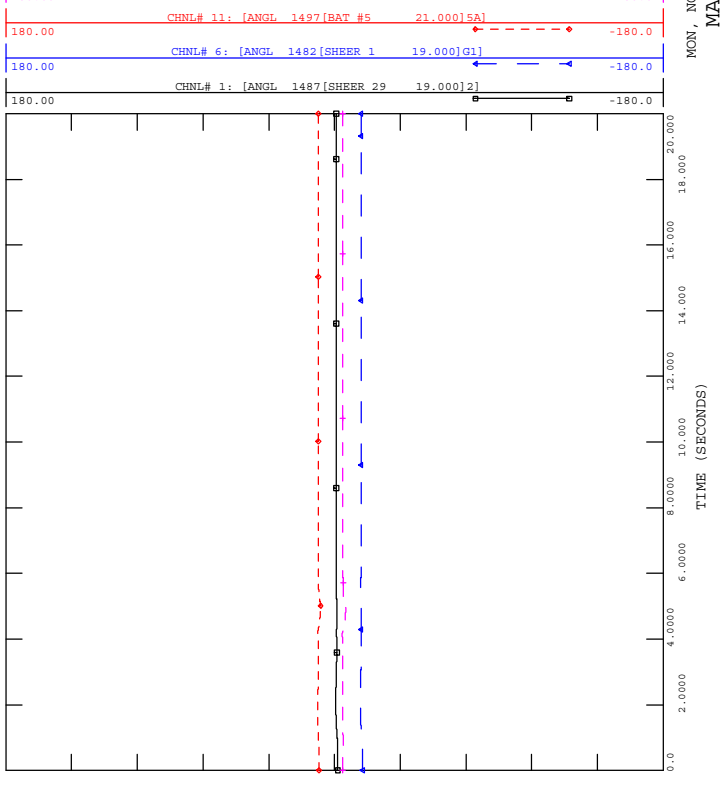
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

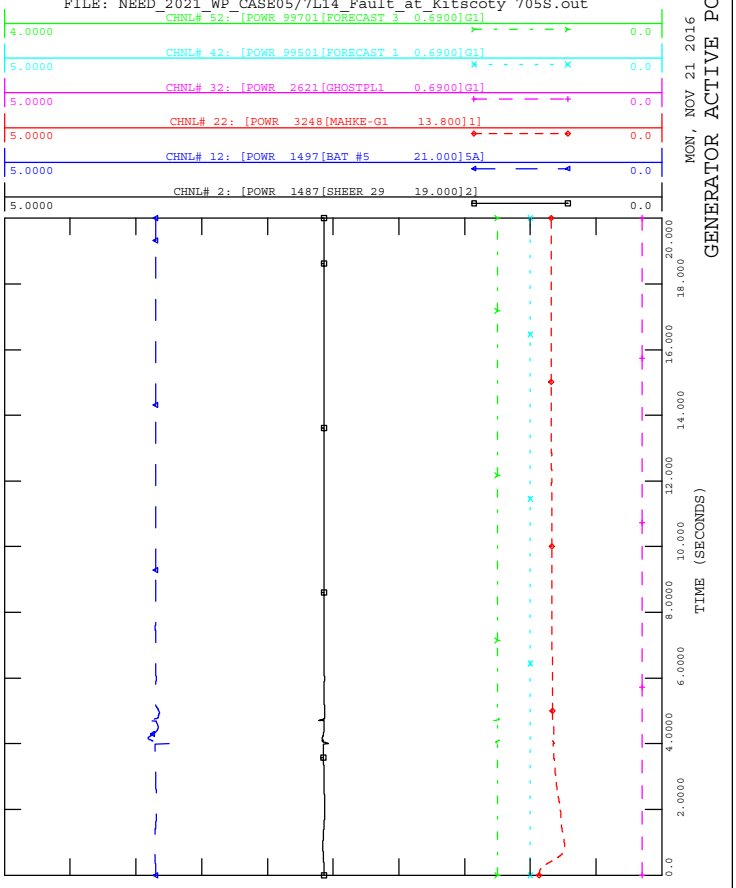
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

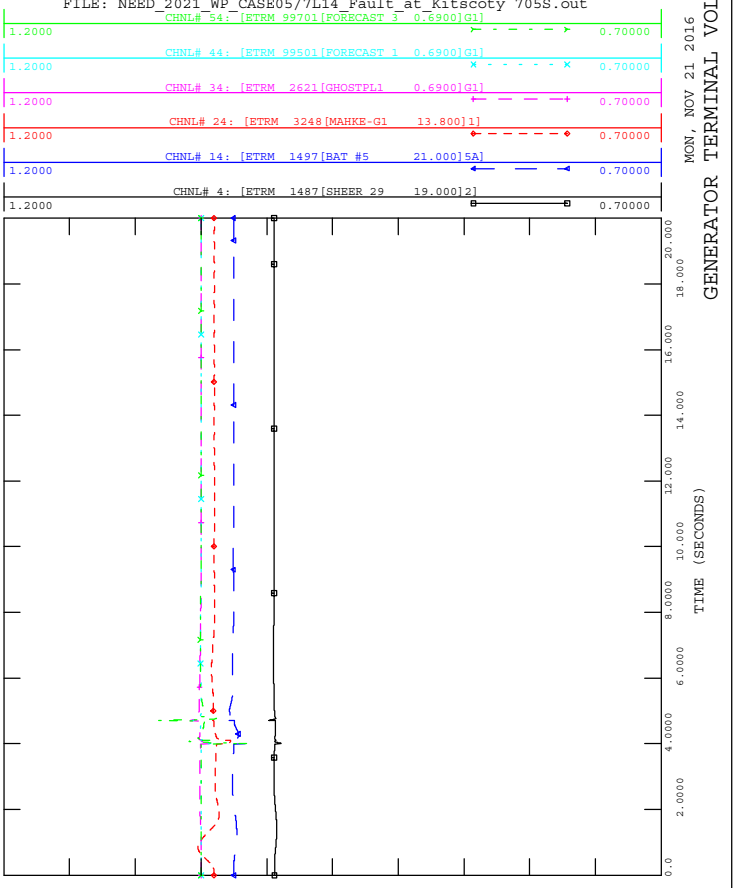
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

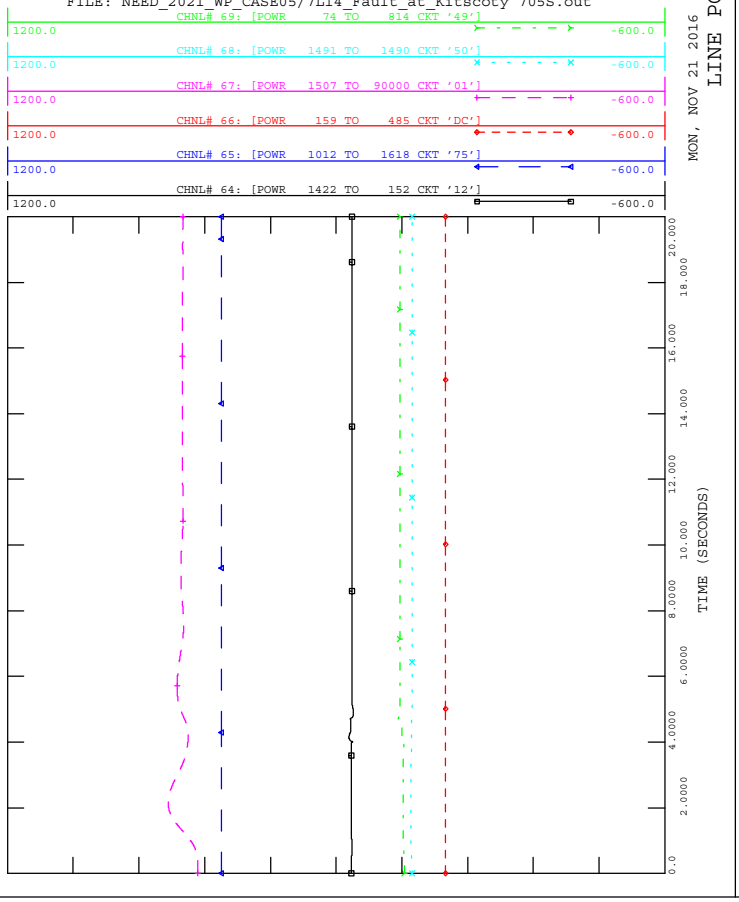
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

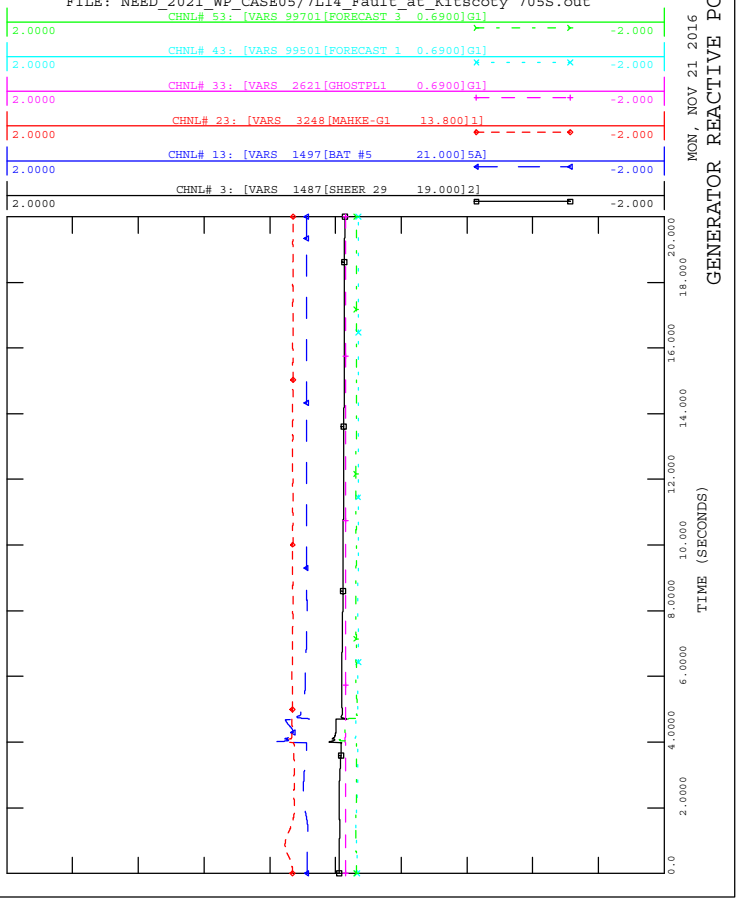
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Kitscoty 705S.out



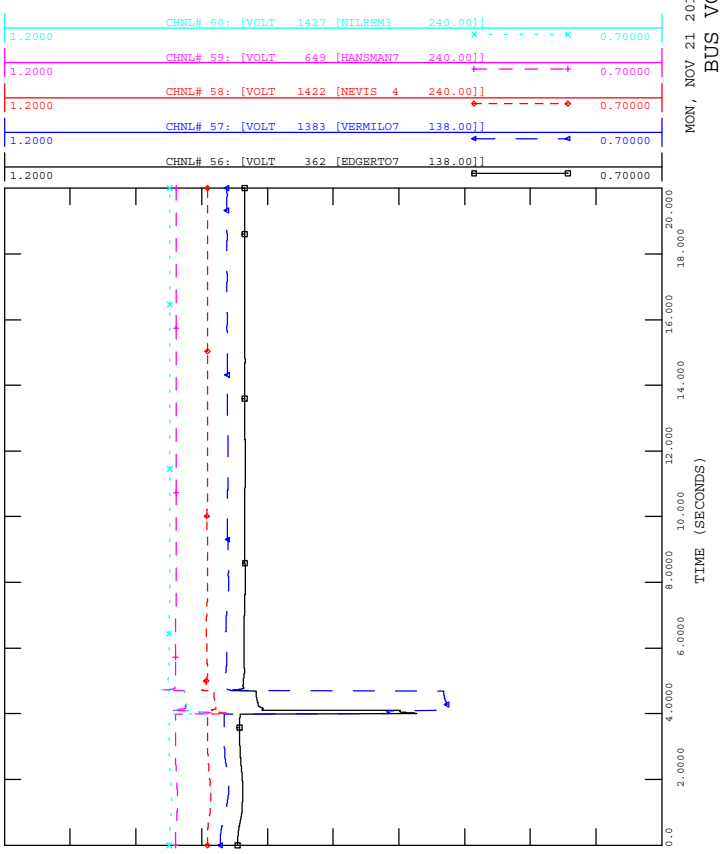
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

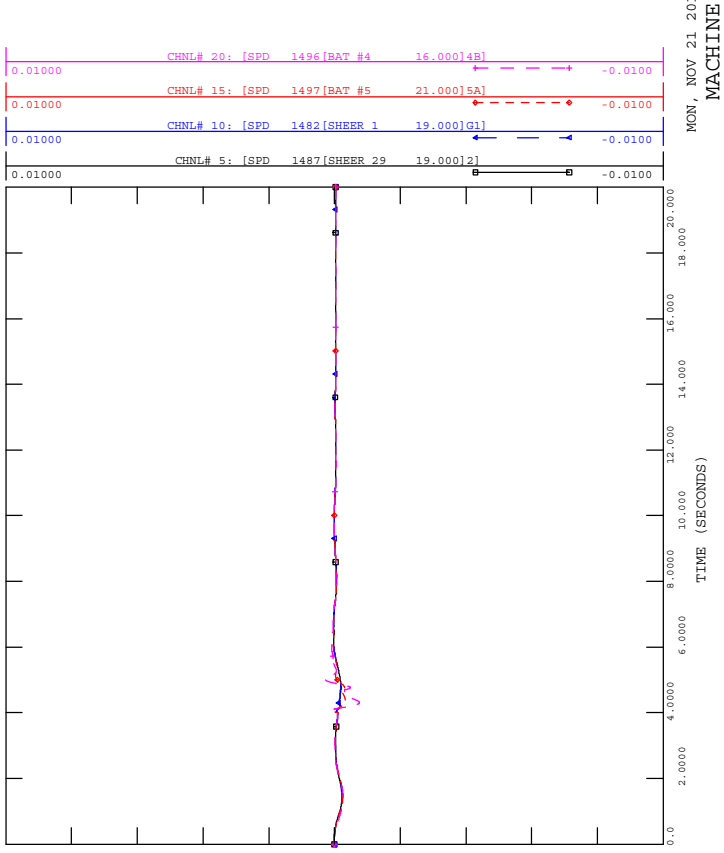


NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

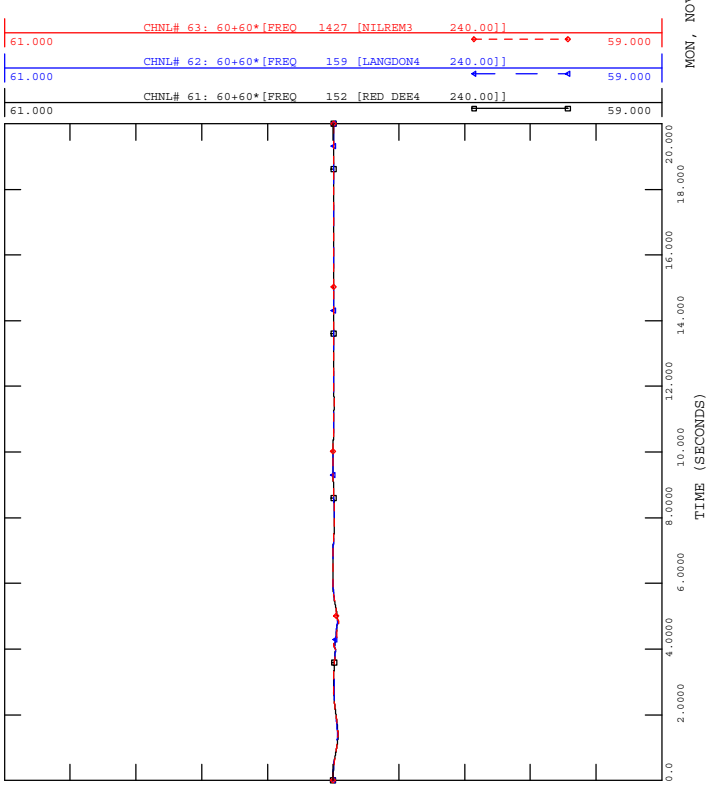


NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:53

FREQUENCY

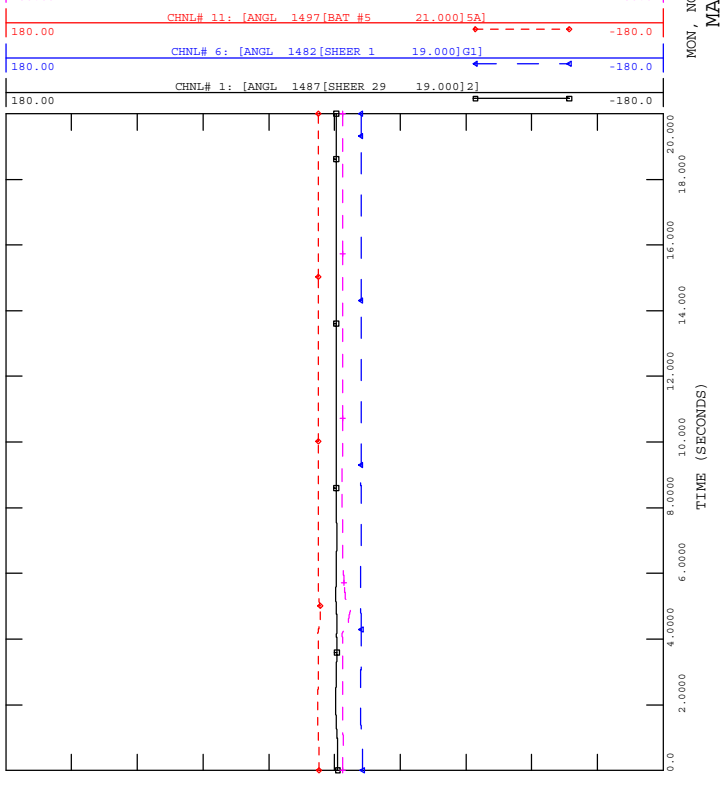


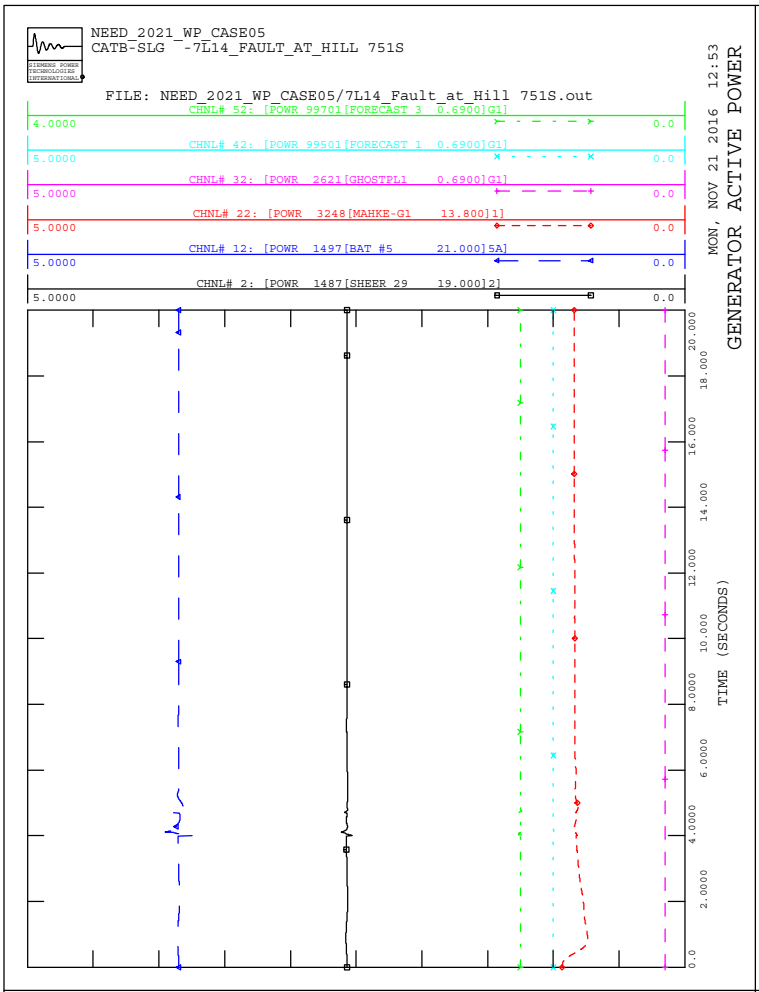
NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:53

MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_HILL 751S
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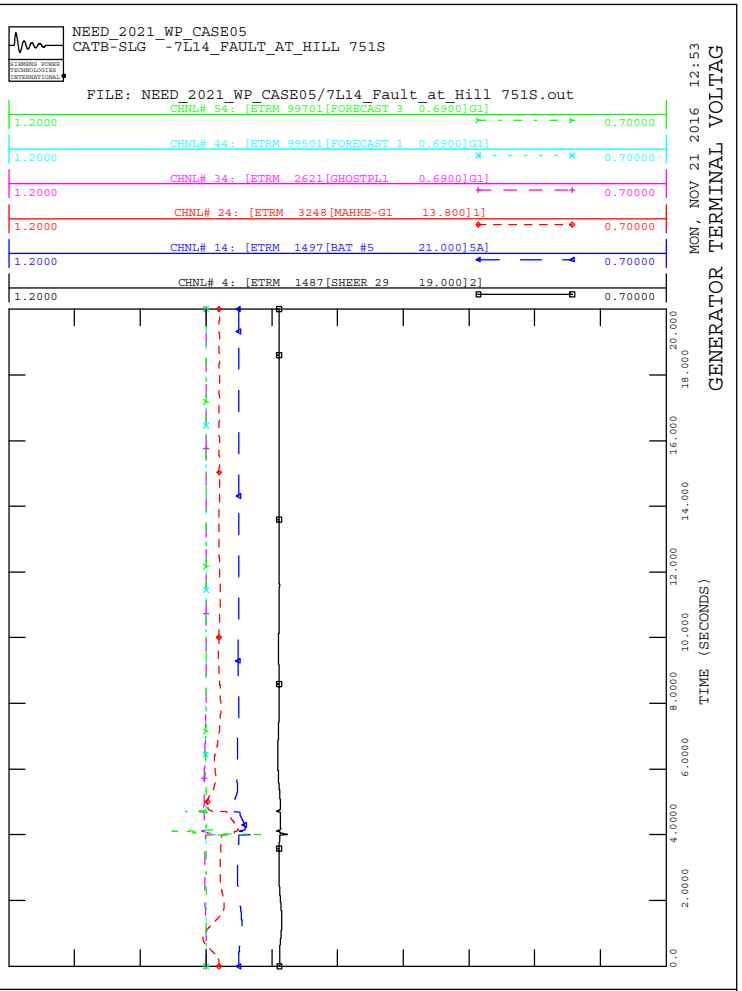
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_HILL 751S
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CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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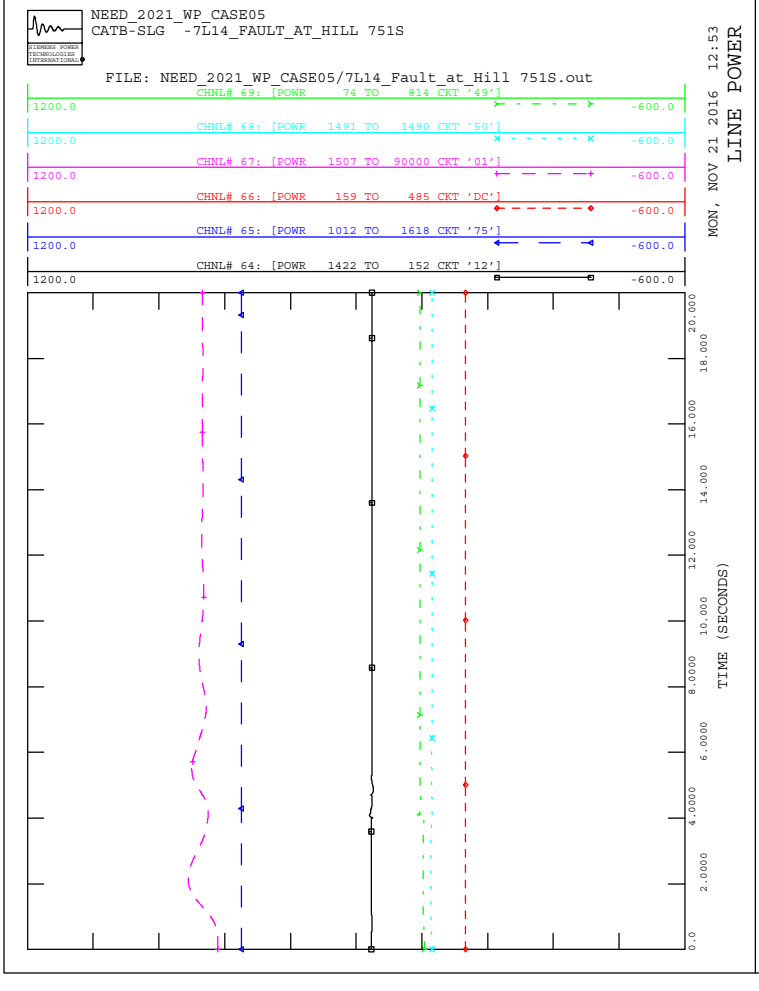
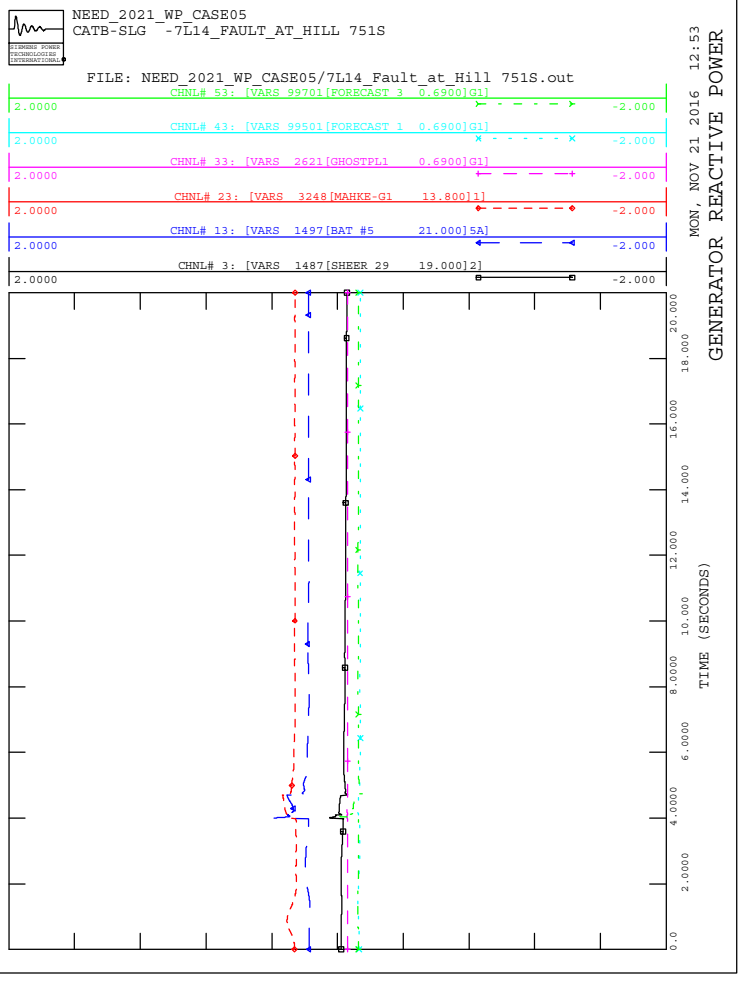
TIME (SECONDS)
MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 21 2016 12:53
LINE POWER

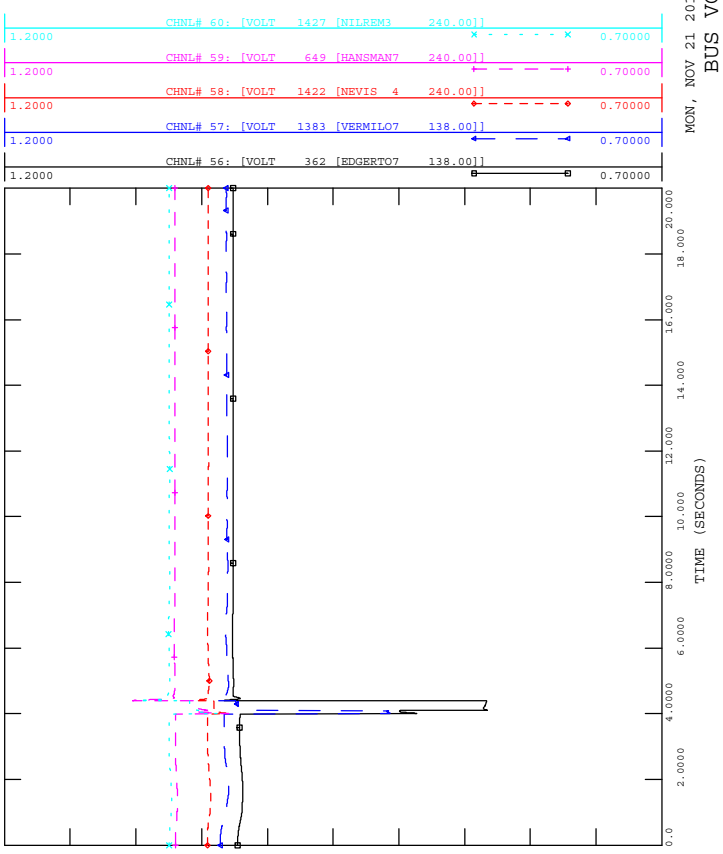

NEED_2021_WP_CASE05
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: NEED_2021_WP_CASE05/7L14_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

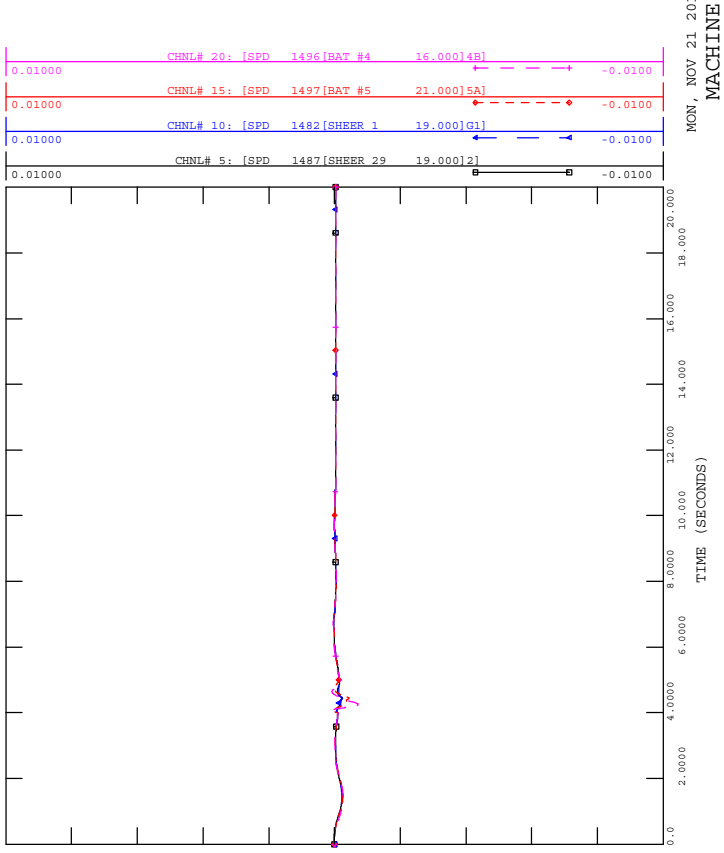


NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

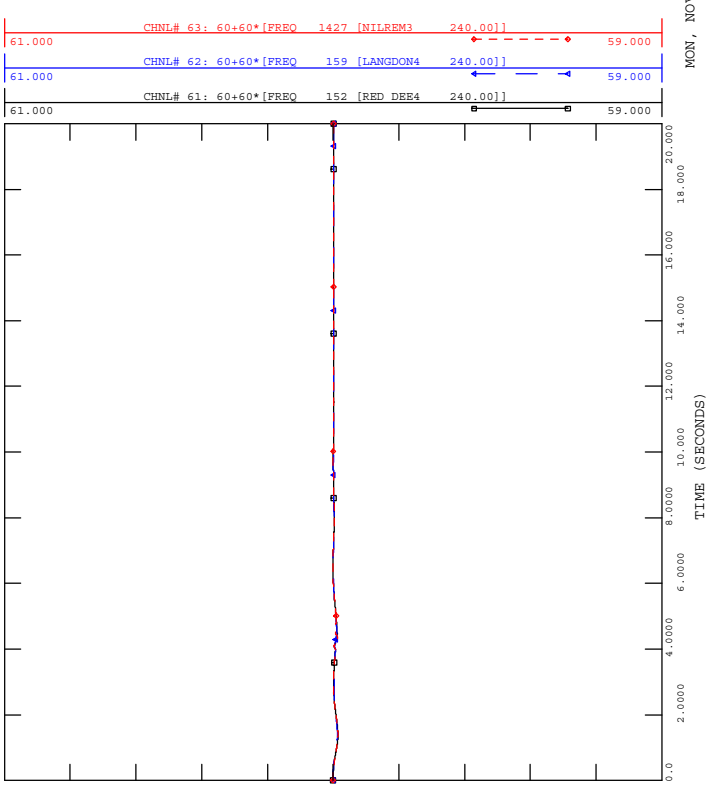


NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:53

FREQUENCY

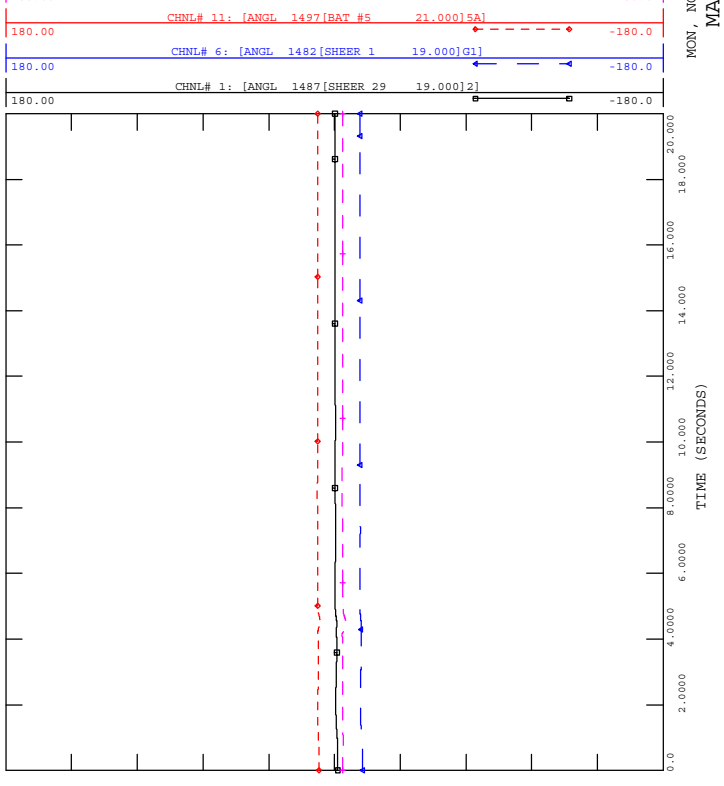


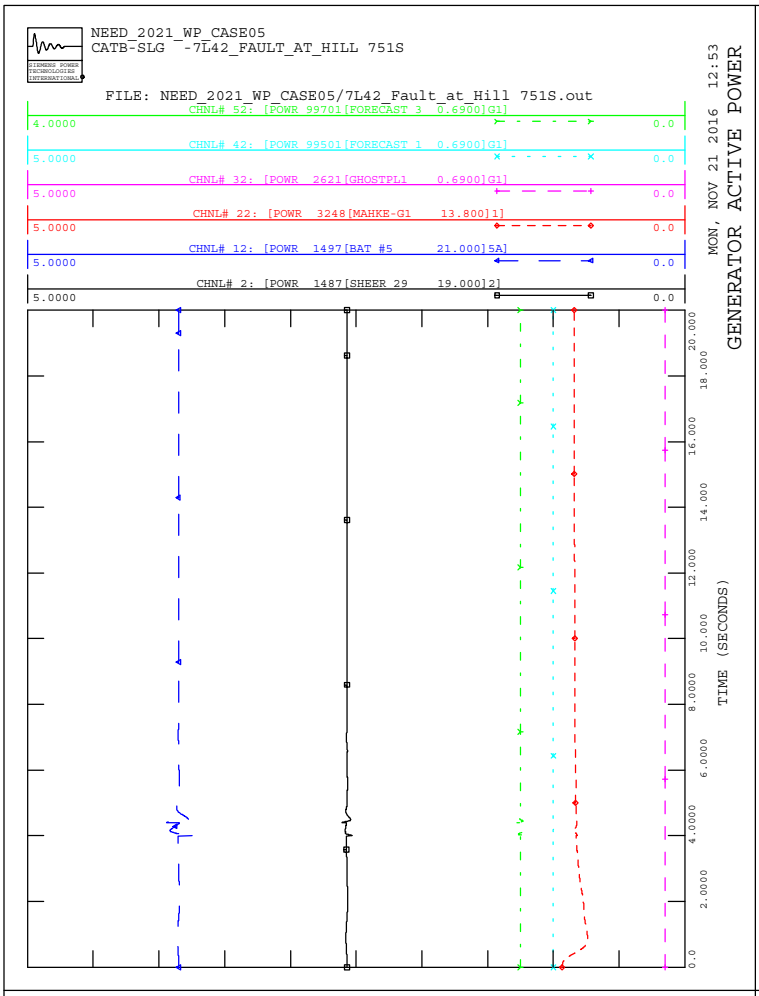
NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_HILL 751S

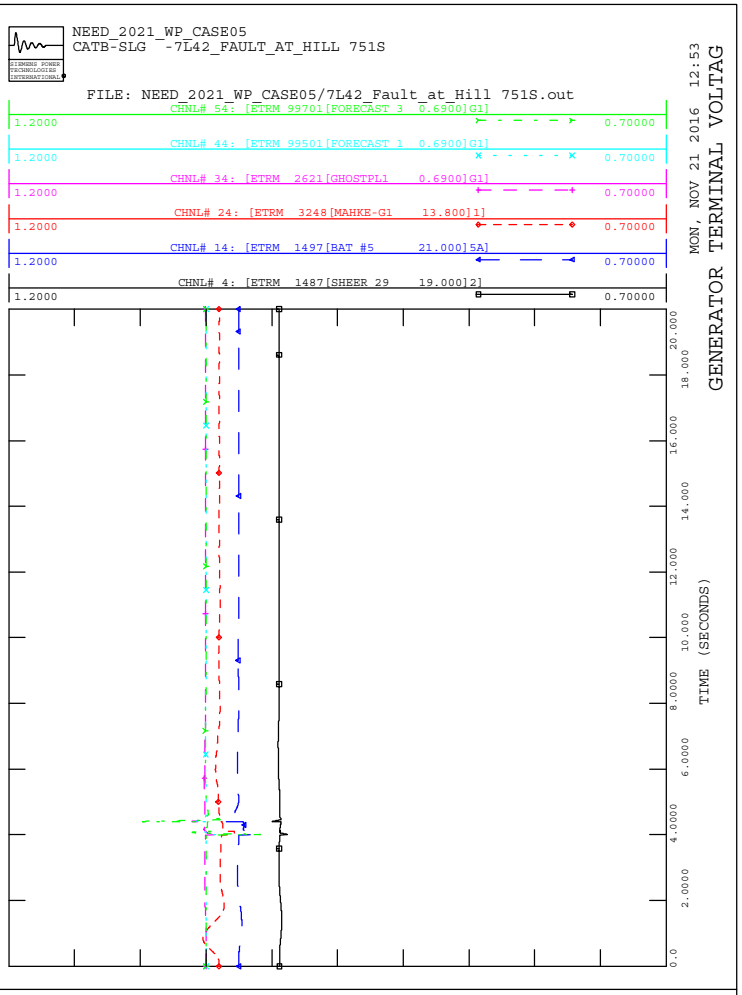
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out

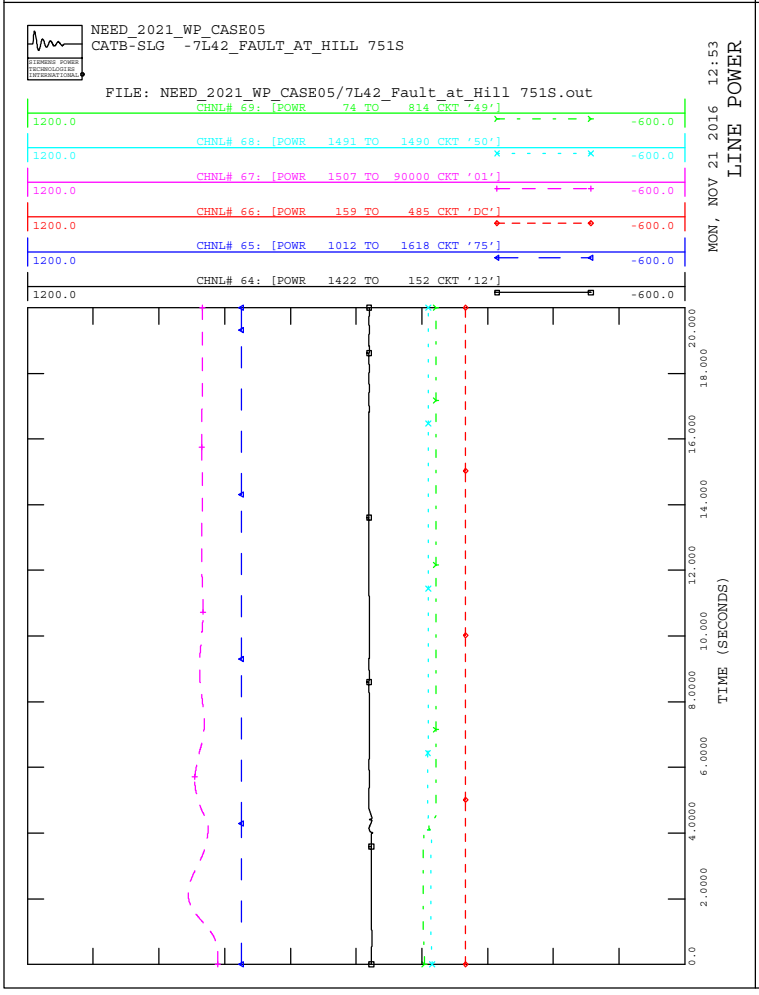
MON, NOV 21 2016 12:53

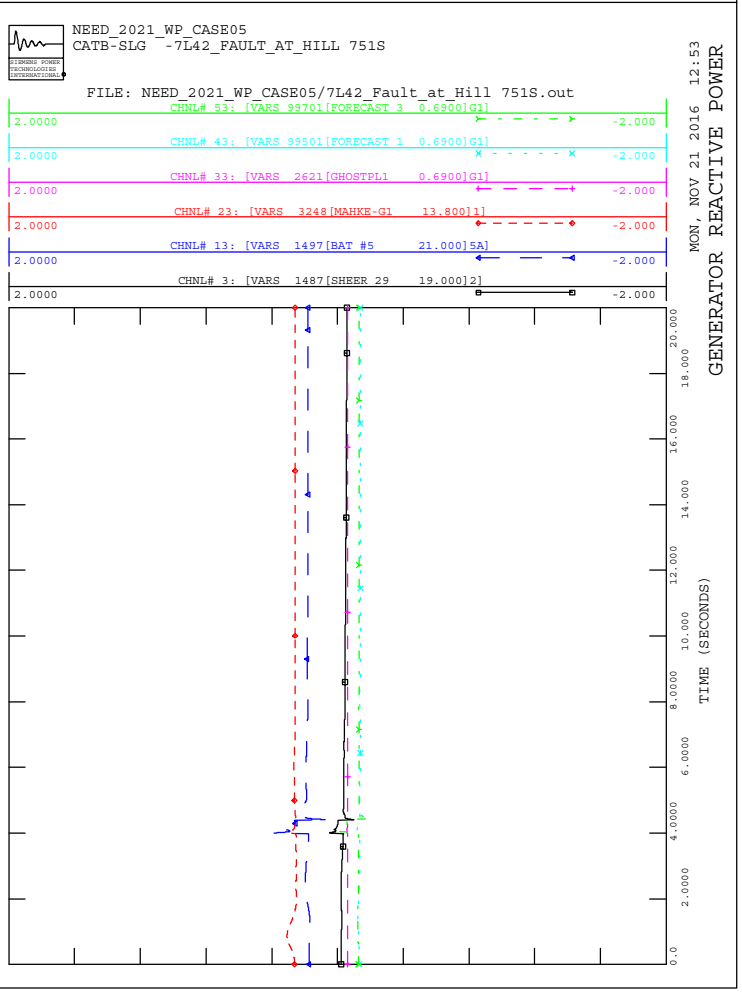
MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER
TIME (SECONDS)

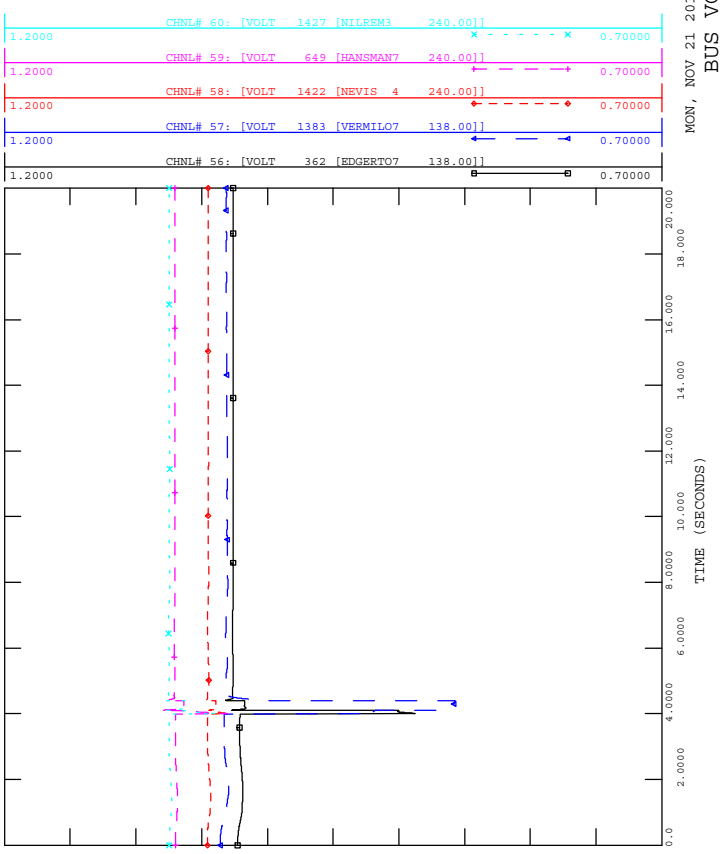

NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:53
LINE POWER
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out

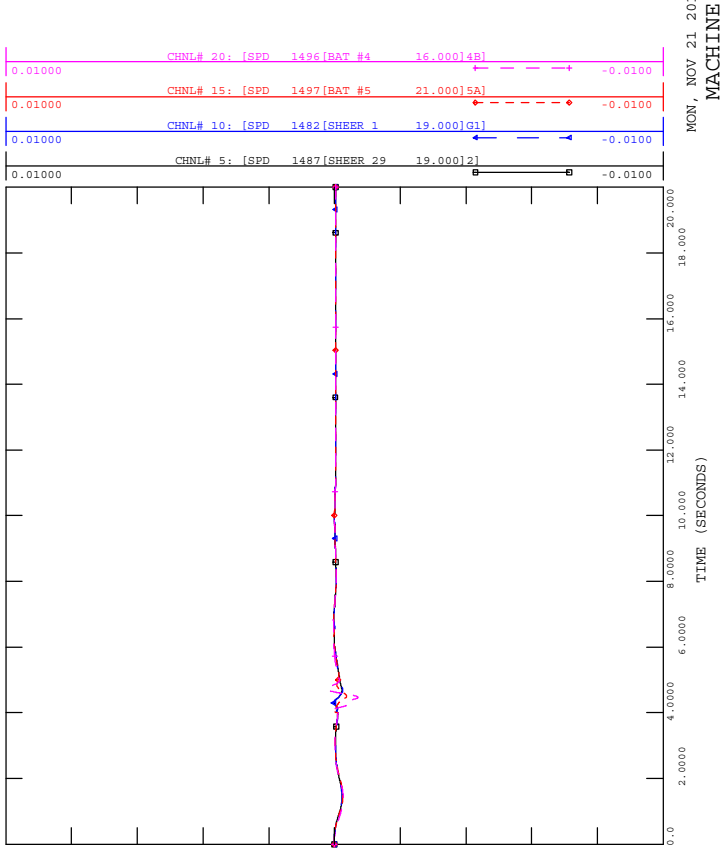


MON, NOV 21 2016 12:53

BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out

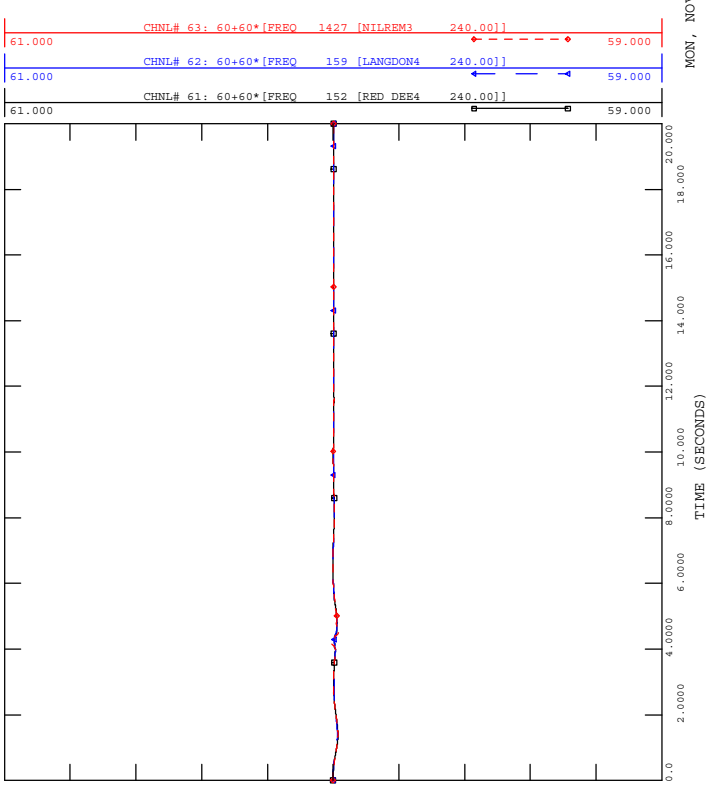


MON, NOV 21 2016 12:53

MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out

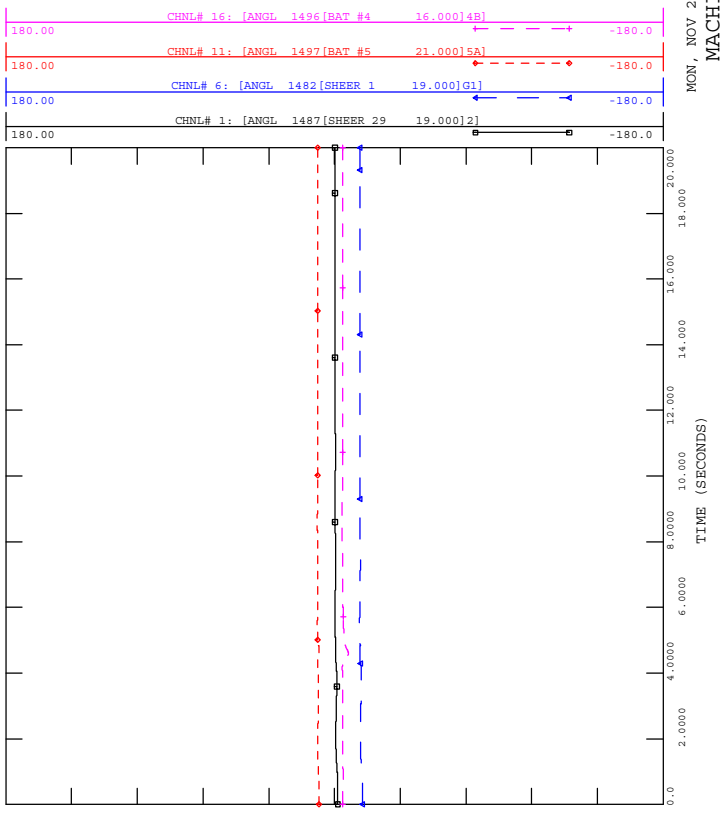


MON, NOV 21 2016 12:53

FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out

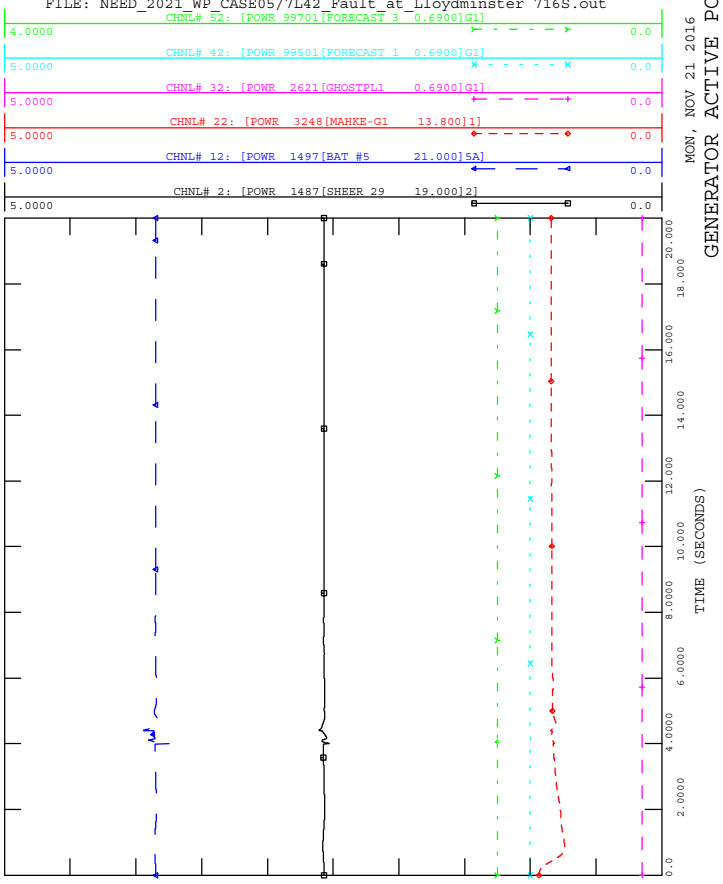


MON, NOV 21 2016 12:53

MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

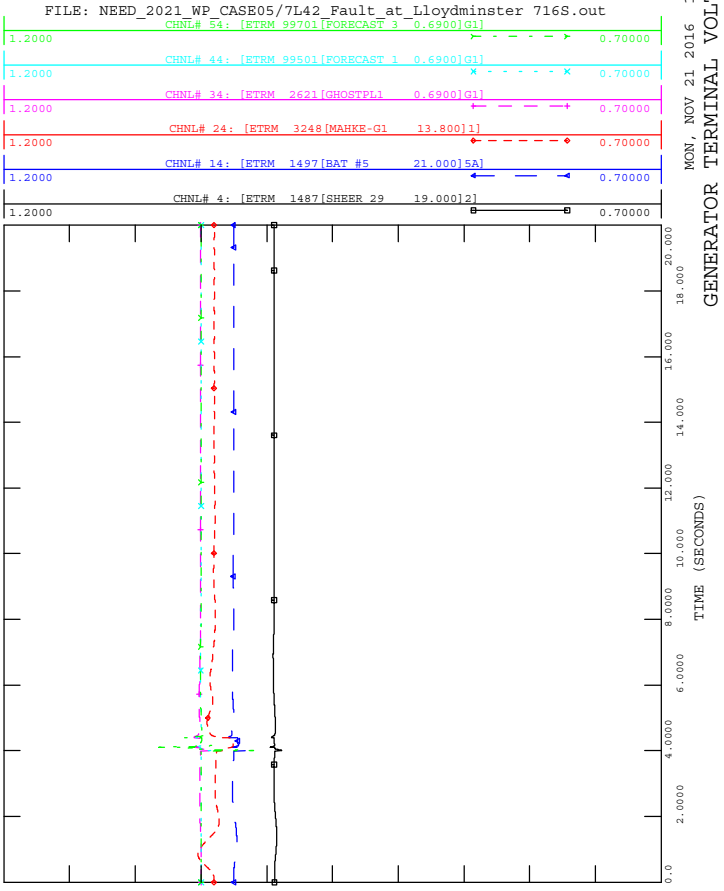
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

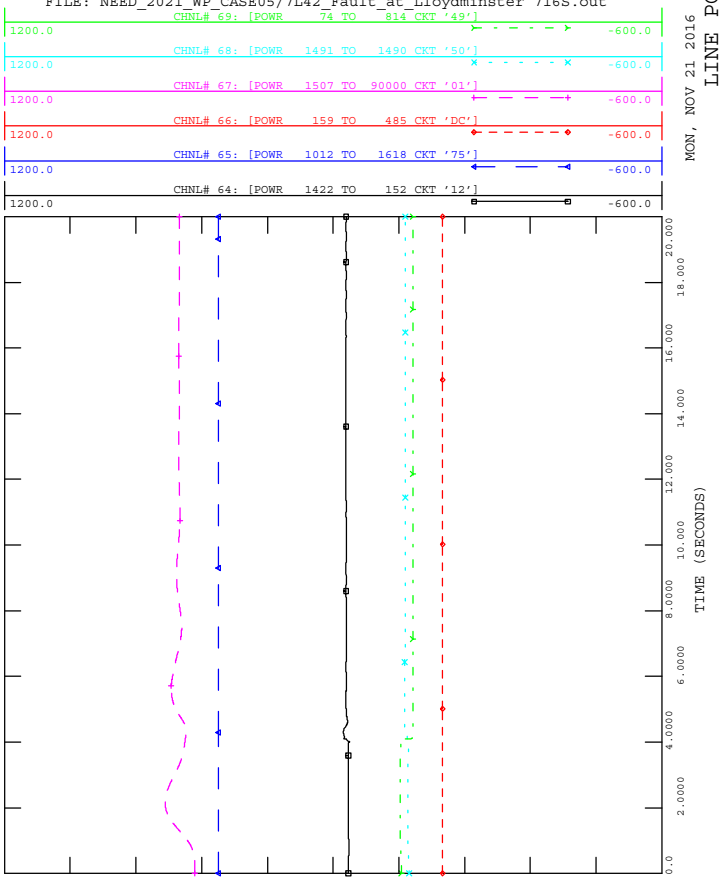
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

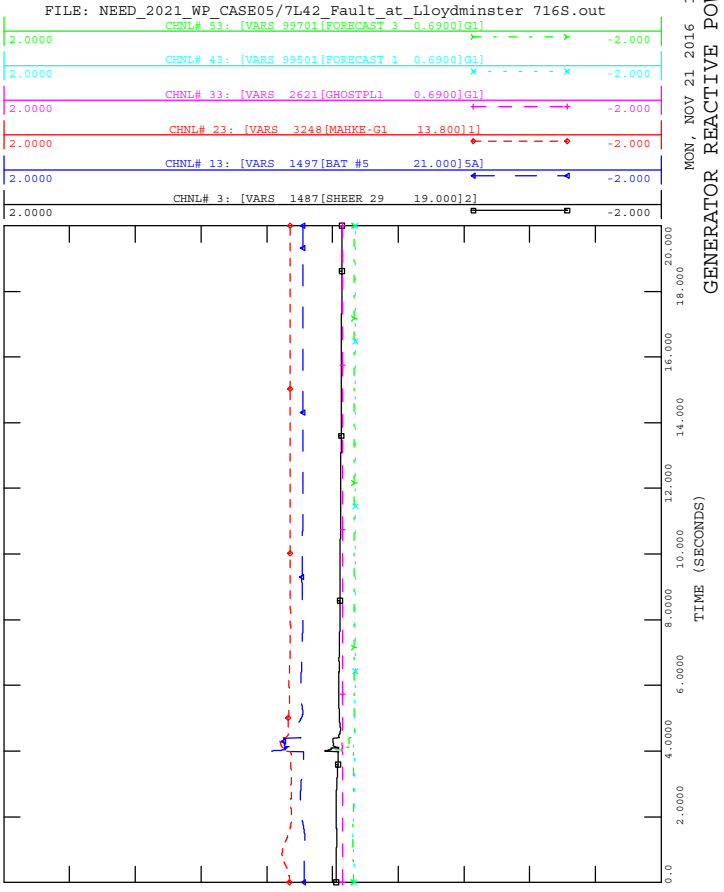
FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L42_Fault_at_Lloydminster 716S.out



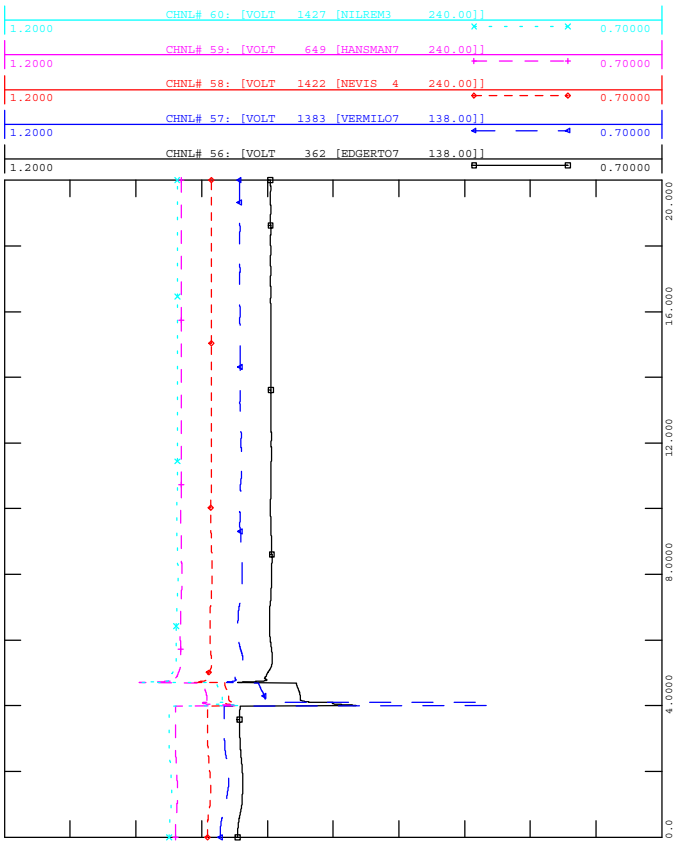
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

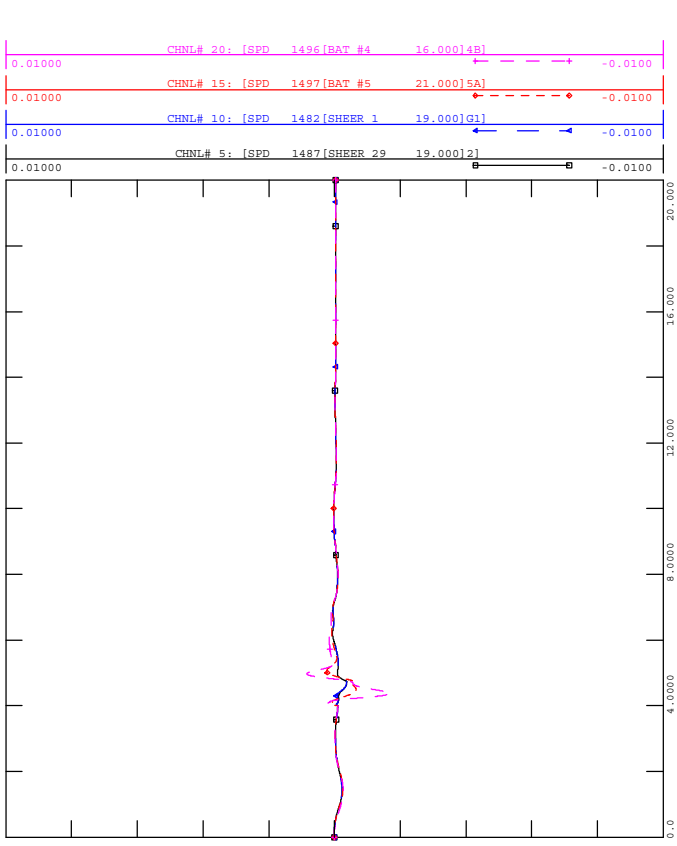


NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

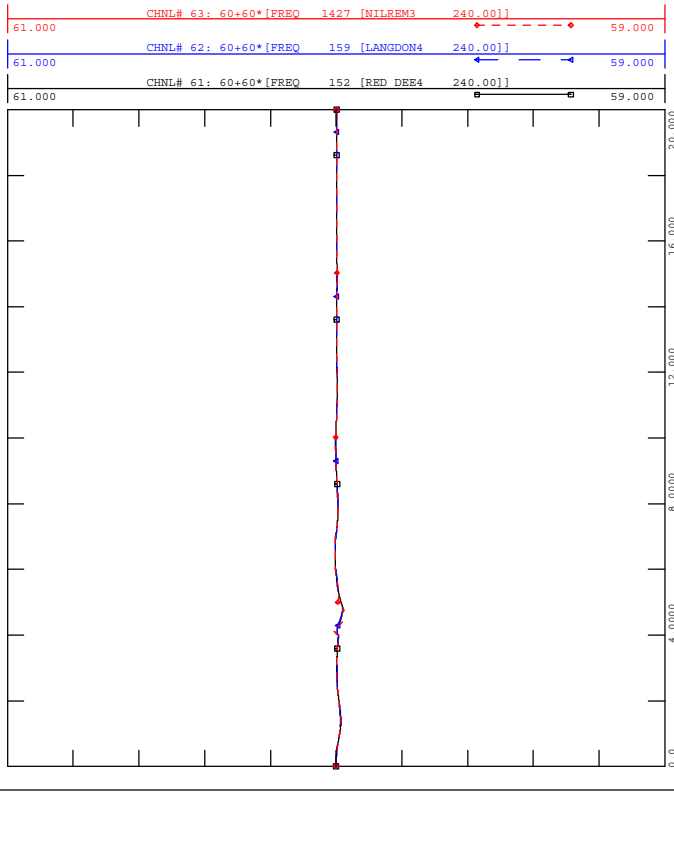


NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out

MON, NOV 21 2016 12:53

FREQUENCY

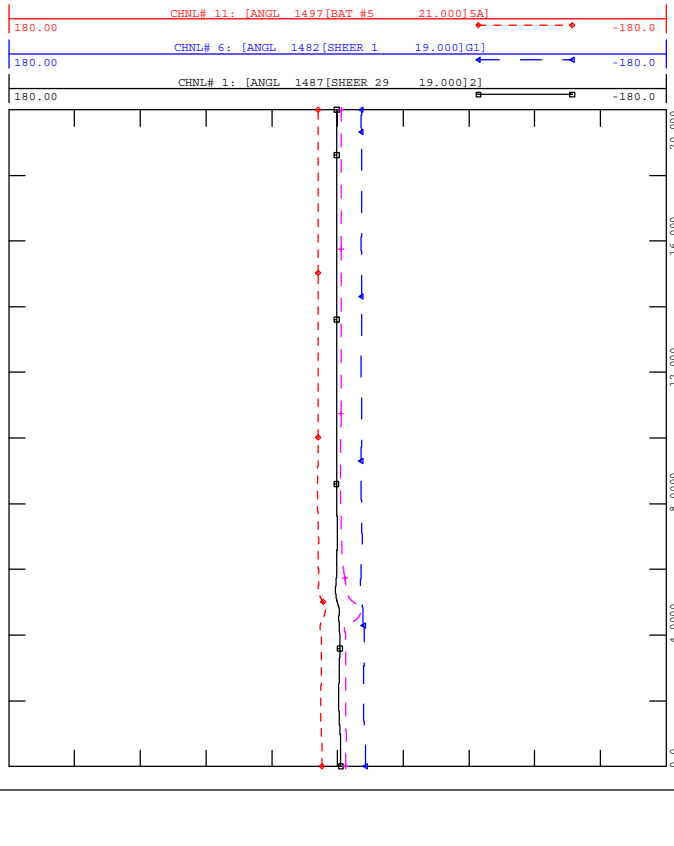


NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out

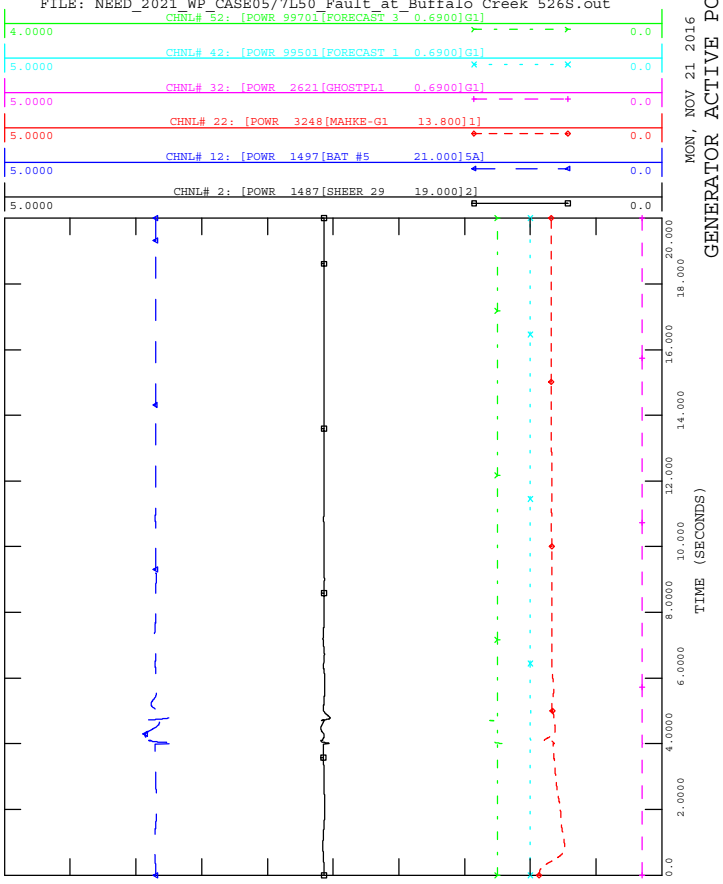
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

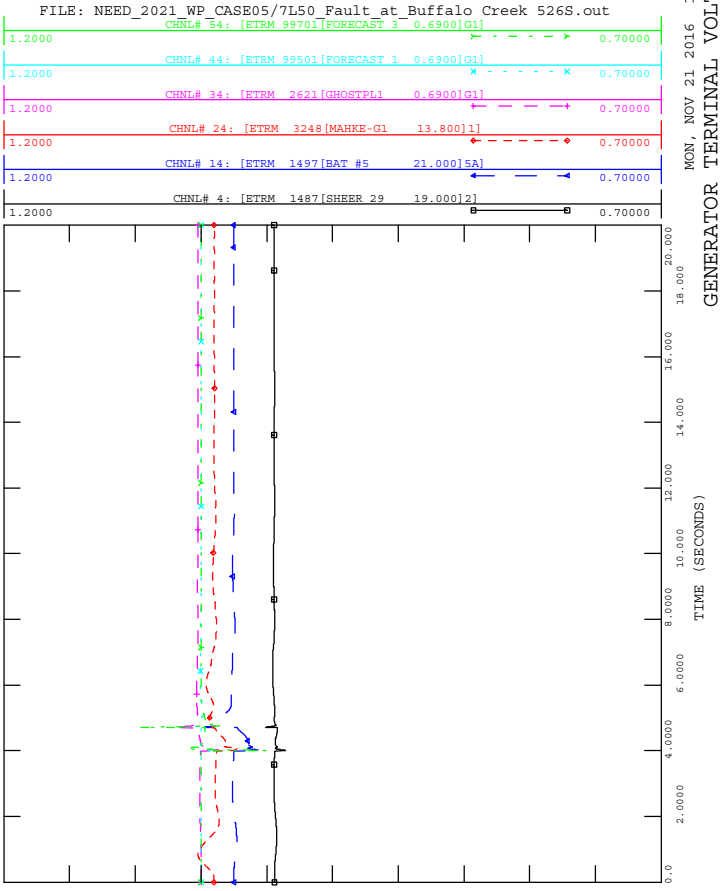
FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

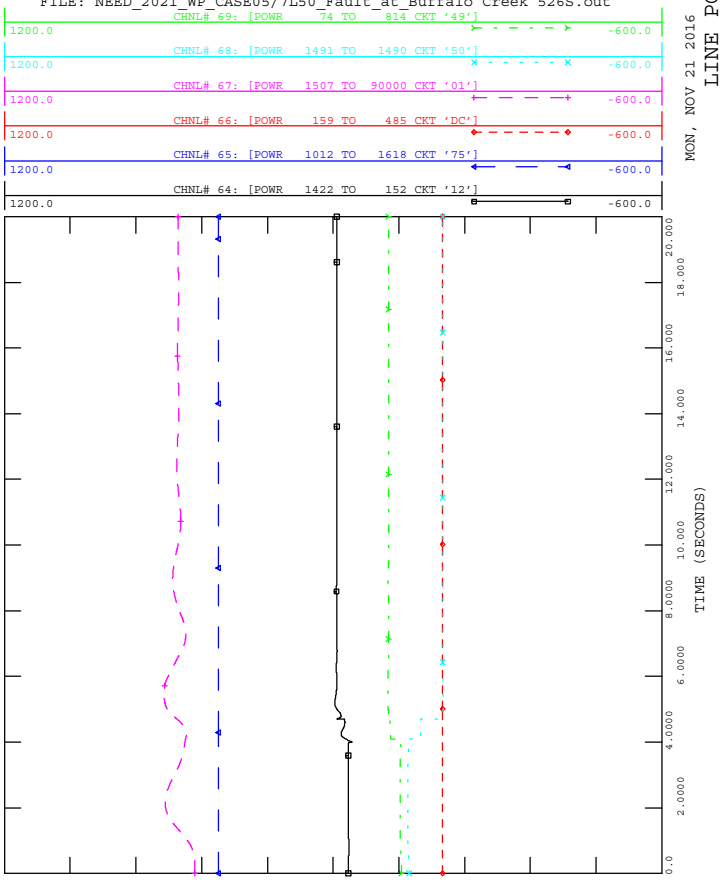
FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

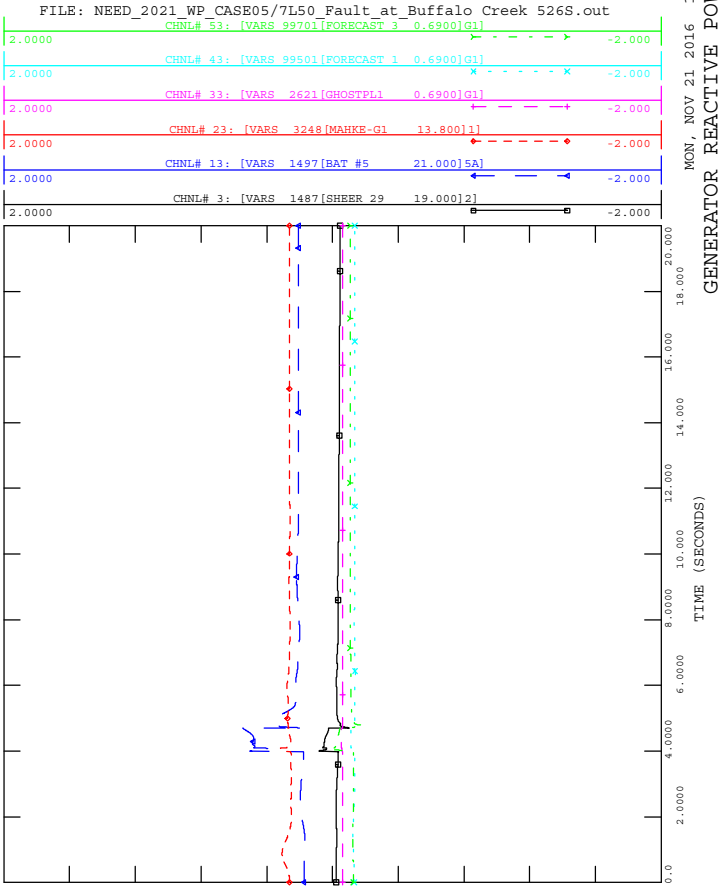
FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Buffalo Creek 526S.out



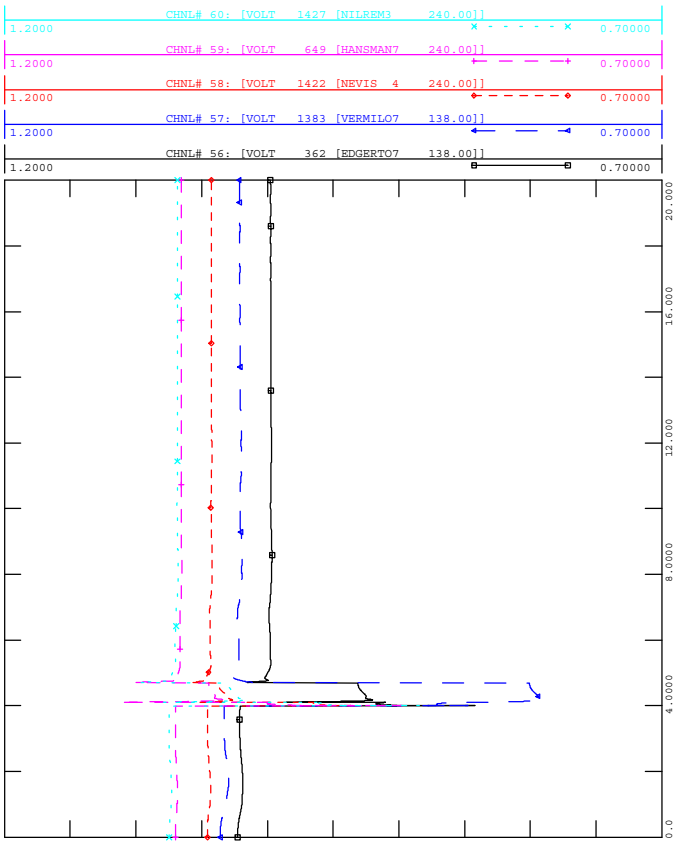
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

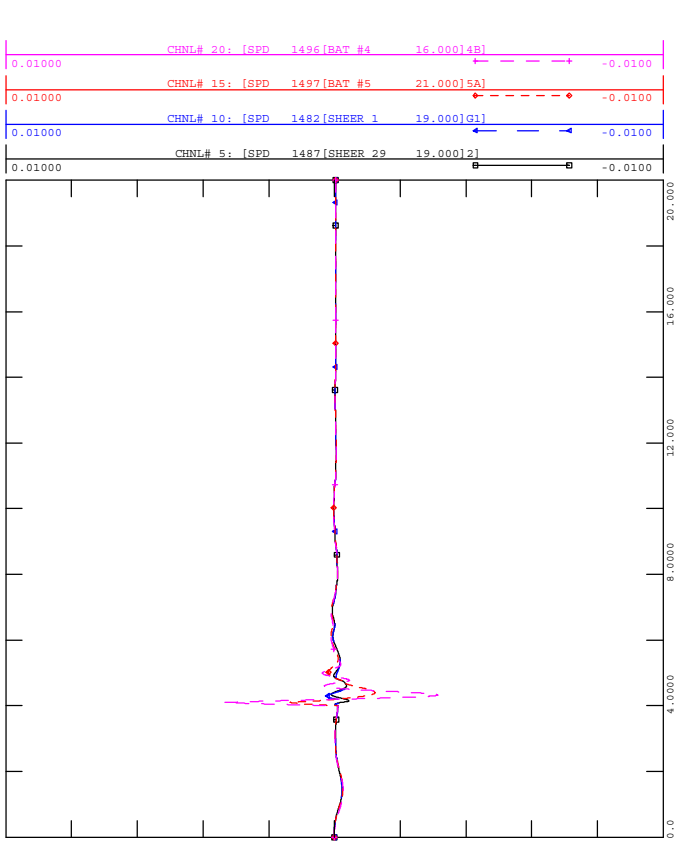


NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

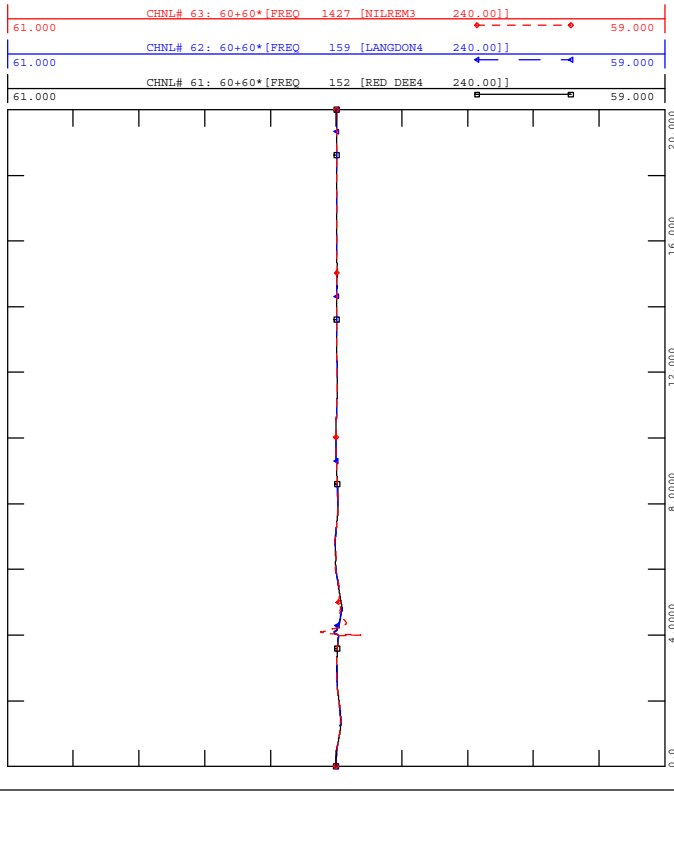


NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:53

FREQUENCY

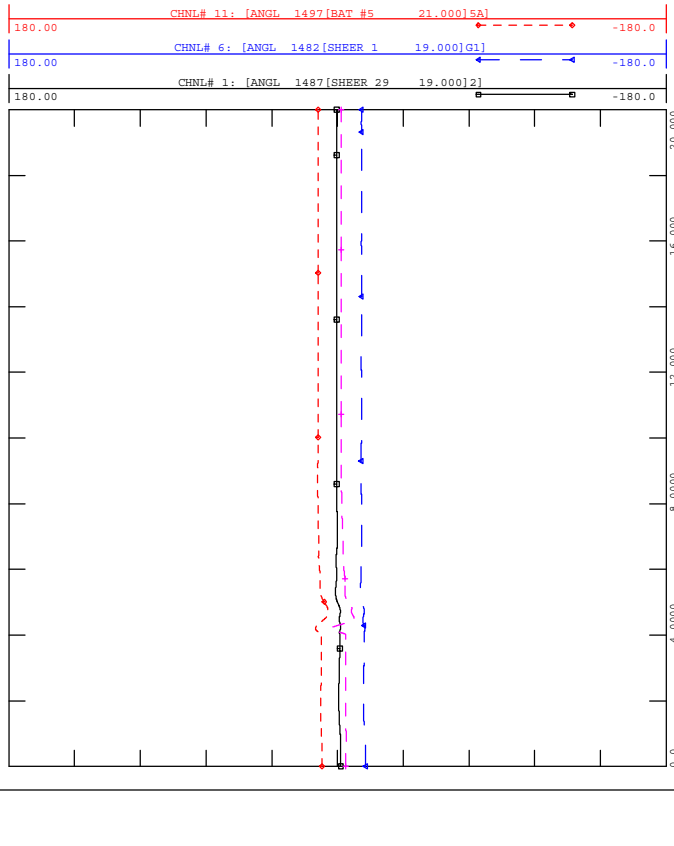


NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out

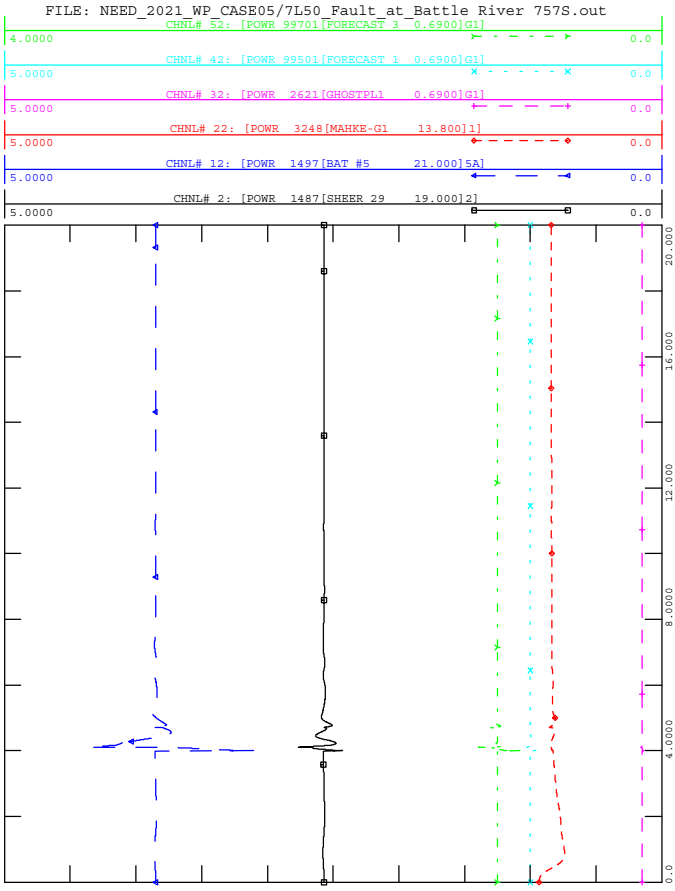
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

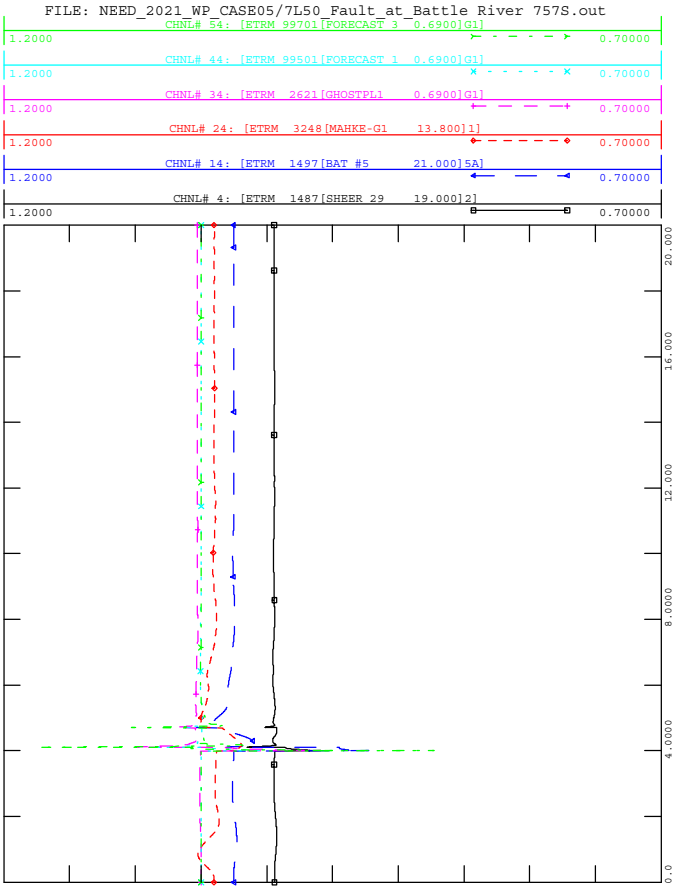
FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

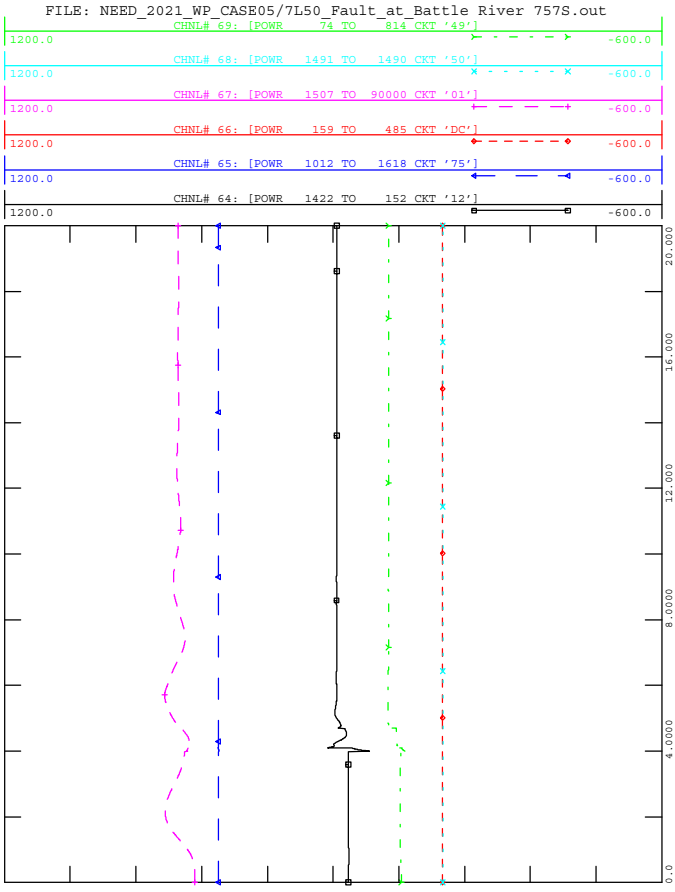
FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

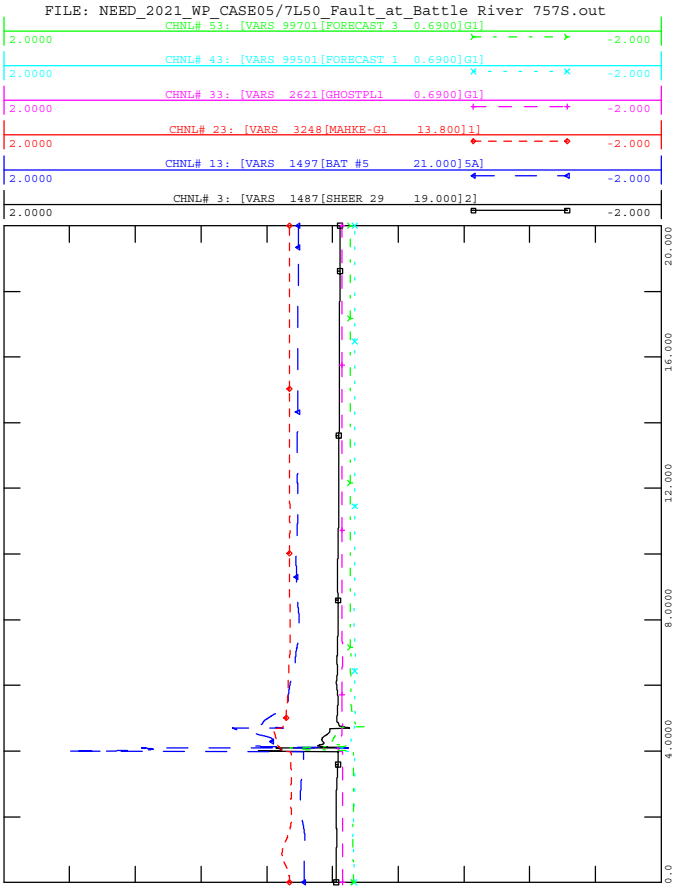
FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L50_Fault_at_Battle River 757S.out



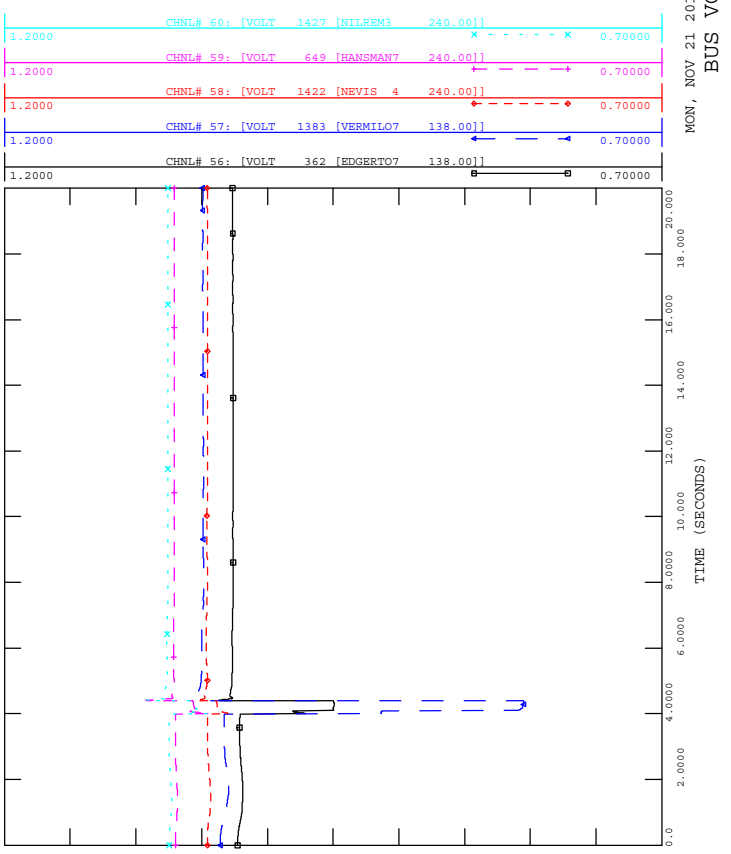
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

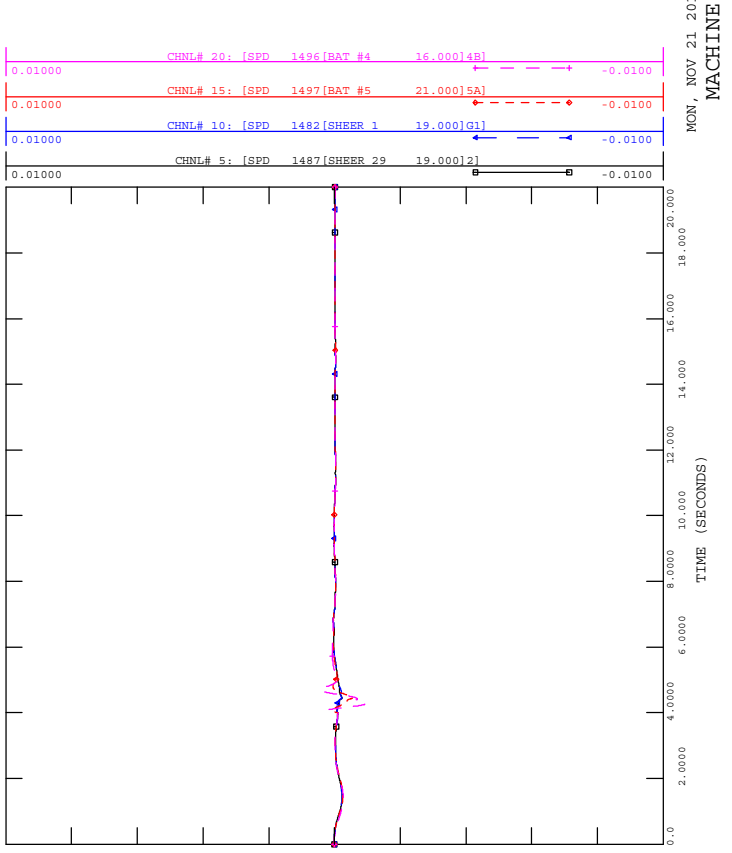


NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

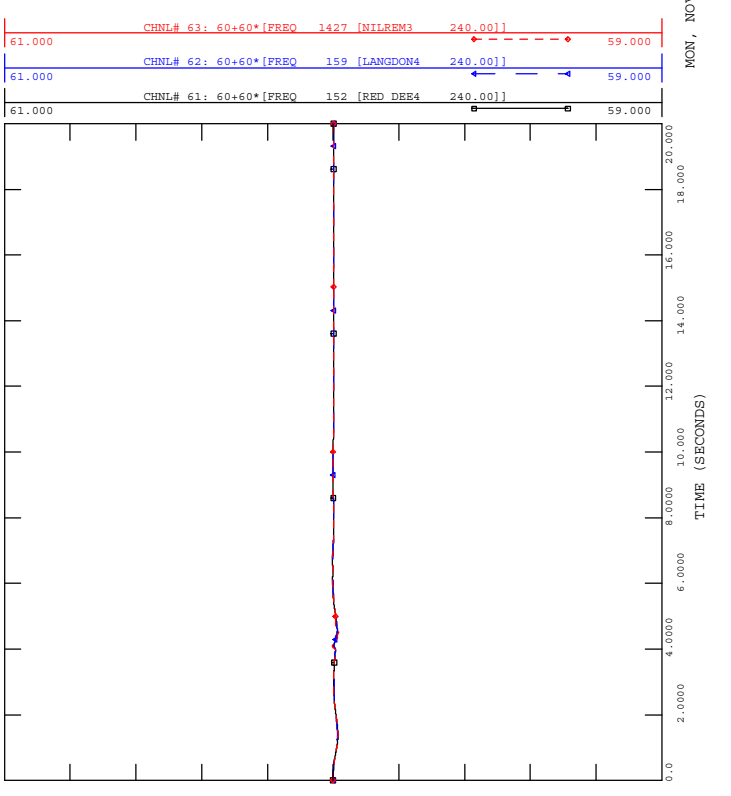


NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:53

FREQUENCY

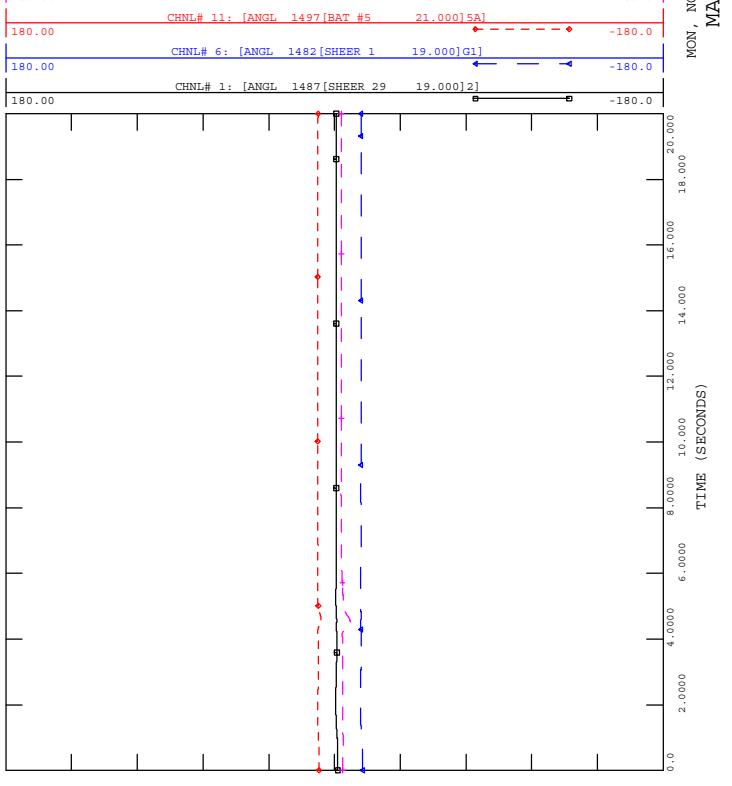


NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out

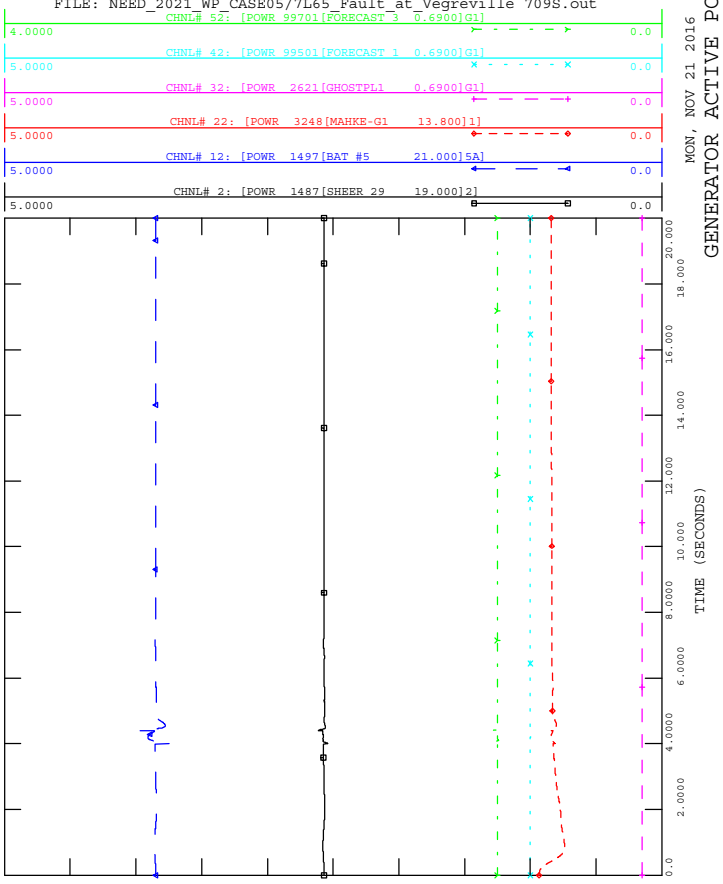
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

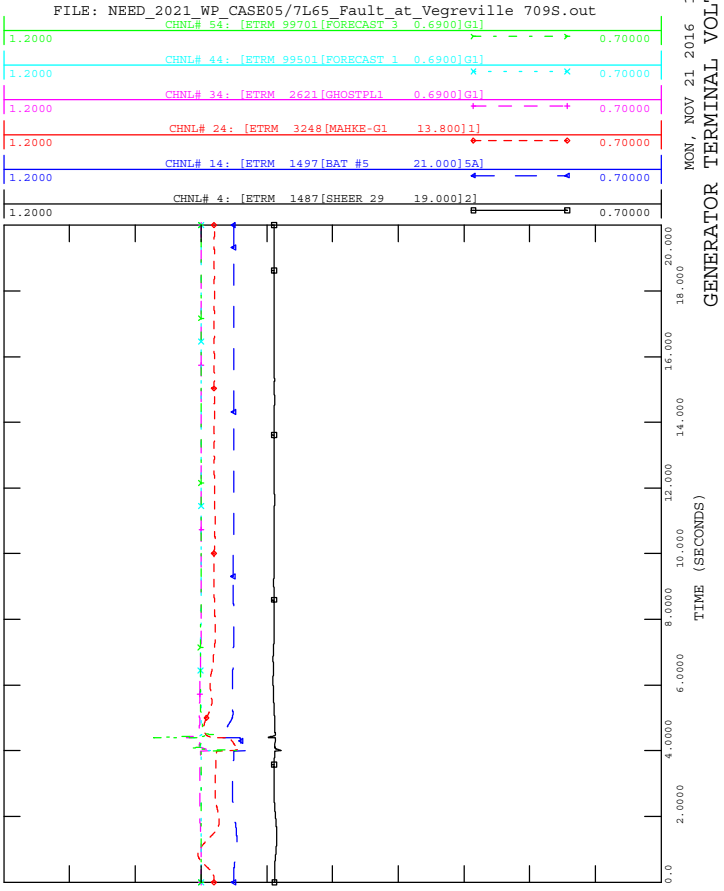
FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

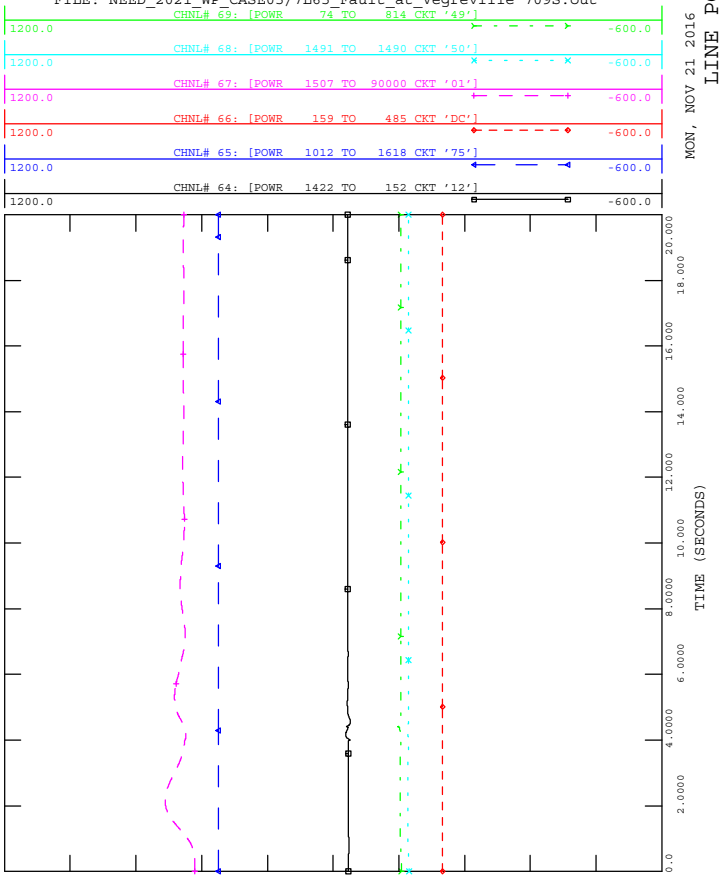
FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

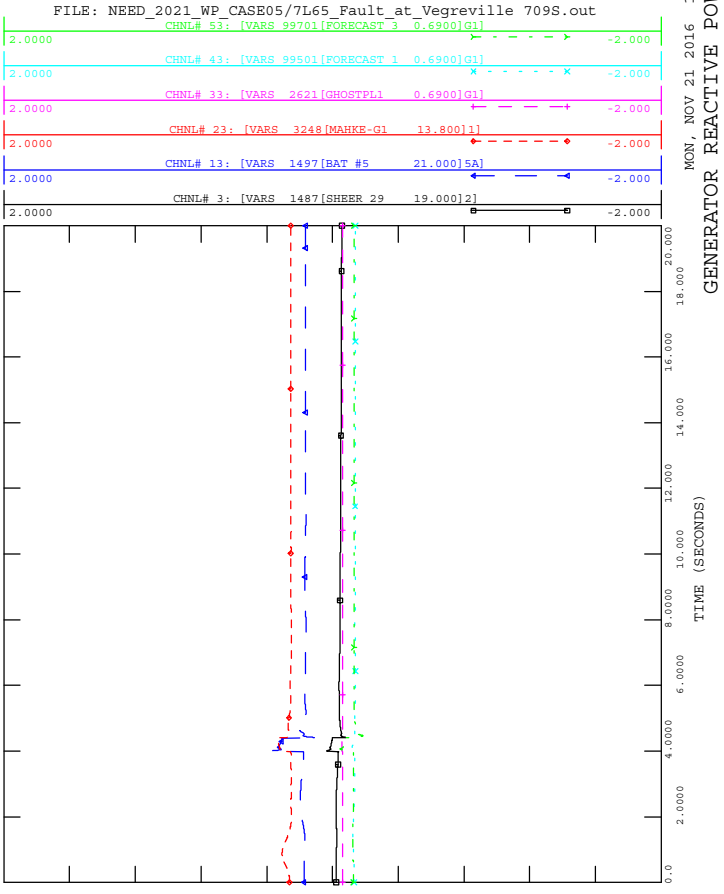
FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

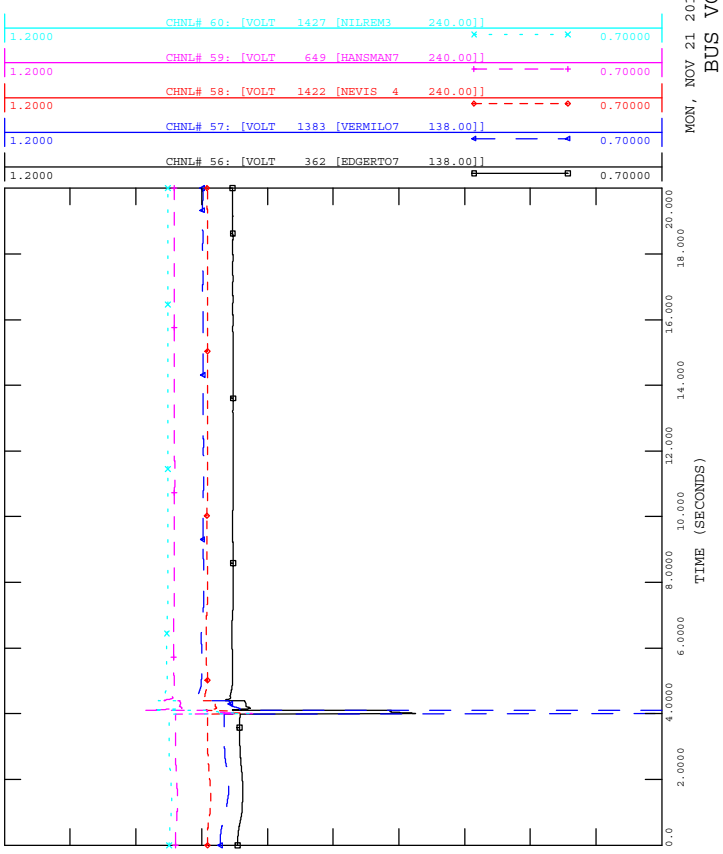
FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out

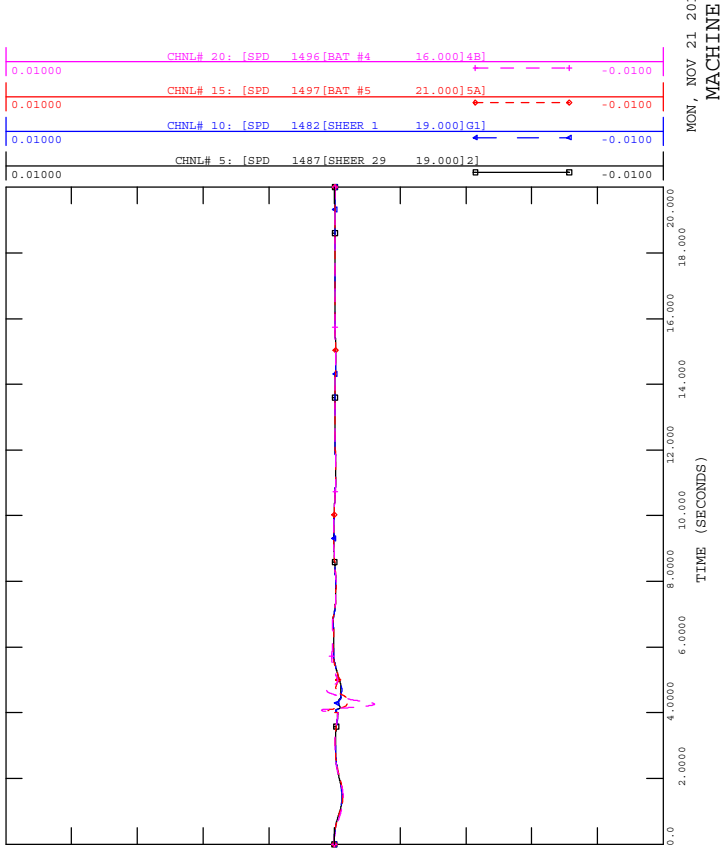


MON, NOV 21 2016 12:53

BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out

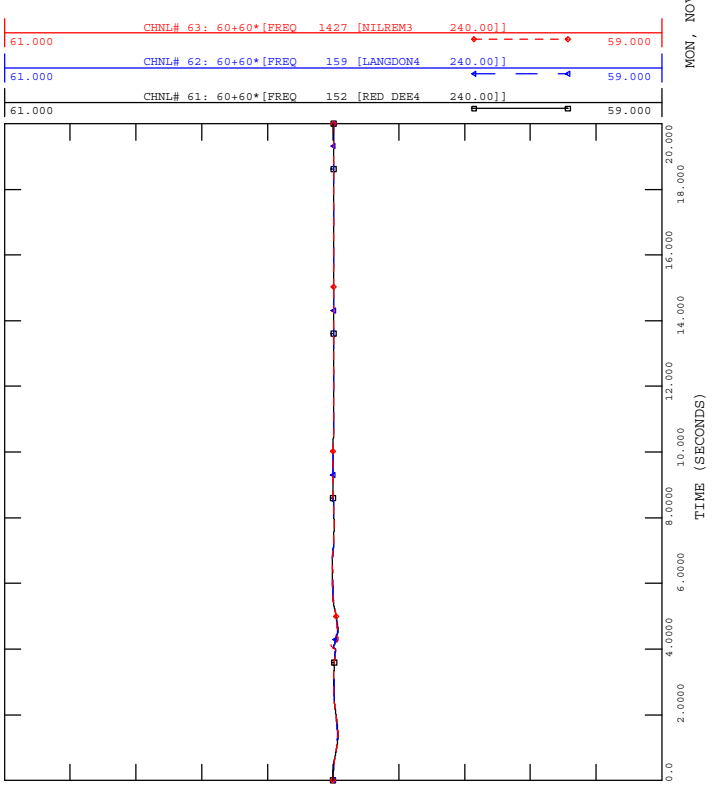


MON, NOV 21 2016 12:53

MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out

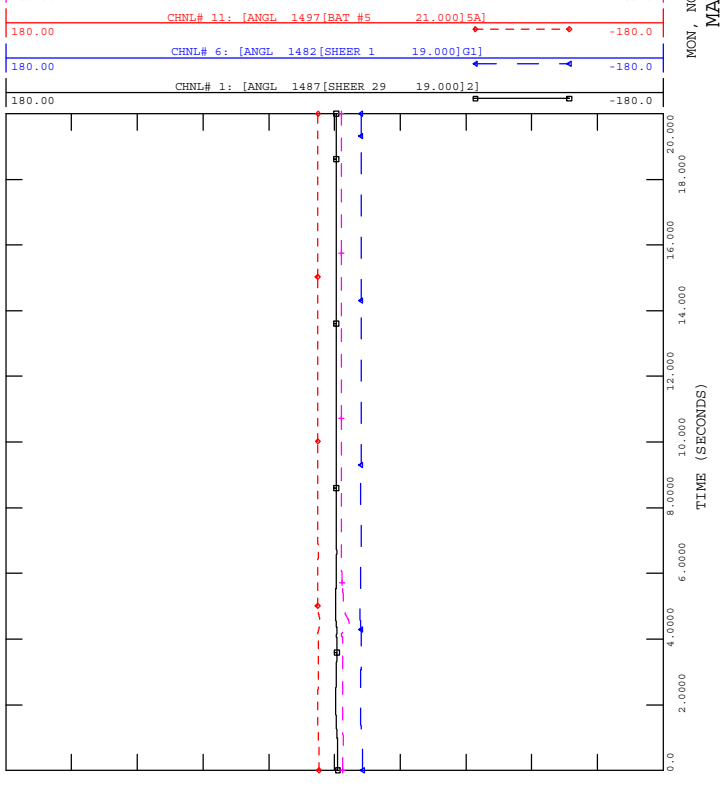


MON, NOV 21 2016 12:53

FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out

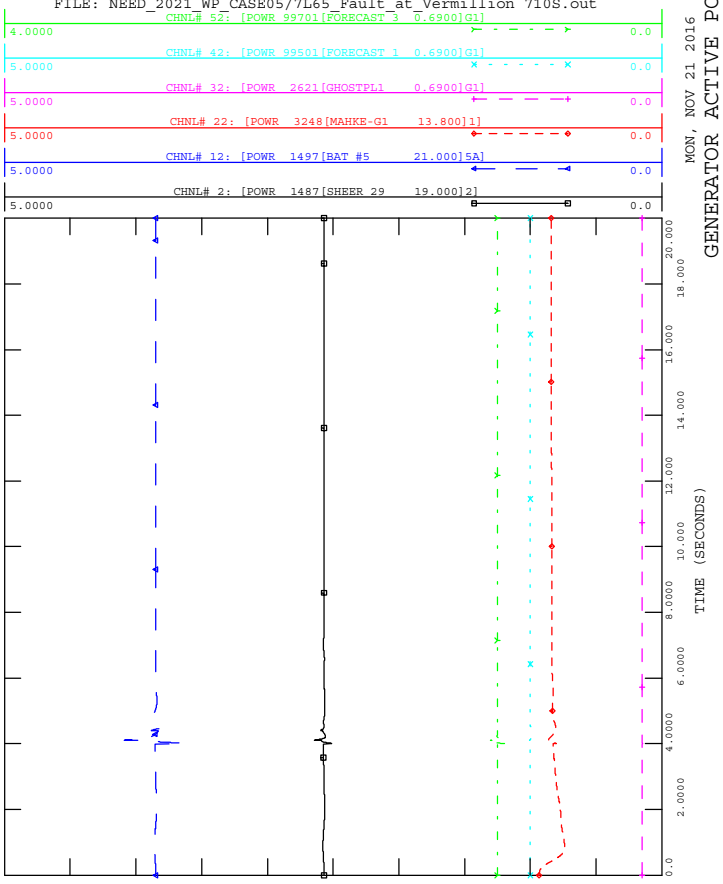


MON, NOV 21 2016 12:53

MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out

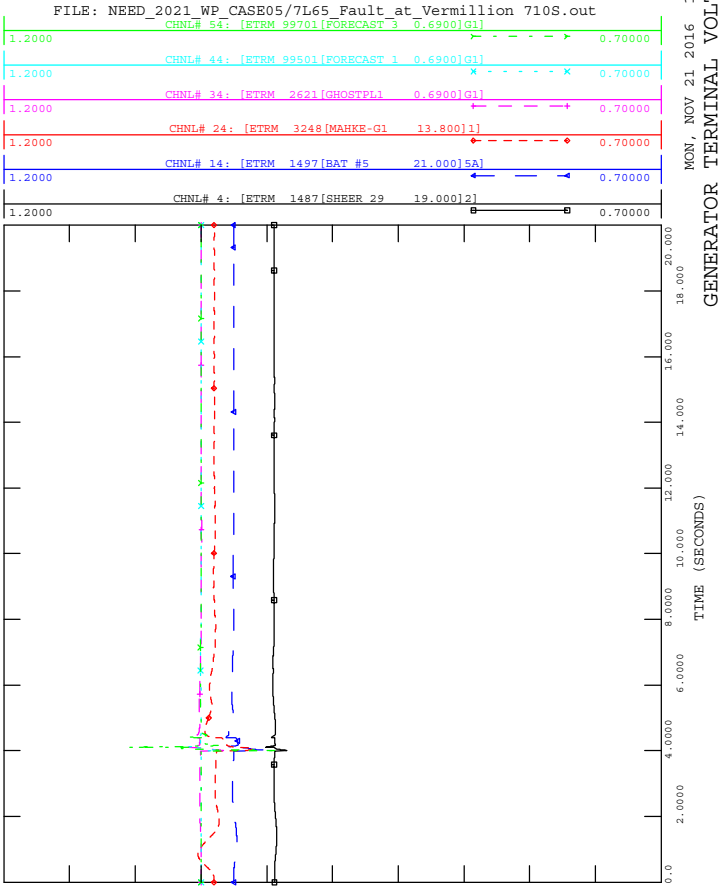


MON, NOV 21 2016 12:53

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out

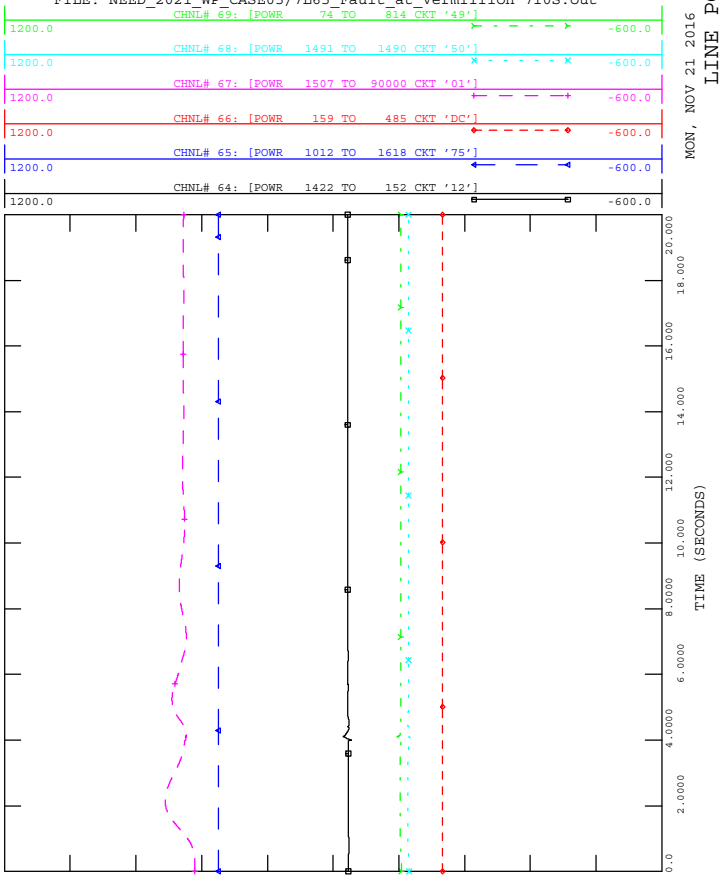


MON, NOV 21 2016 12:53

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out

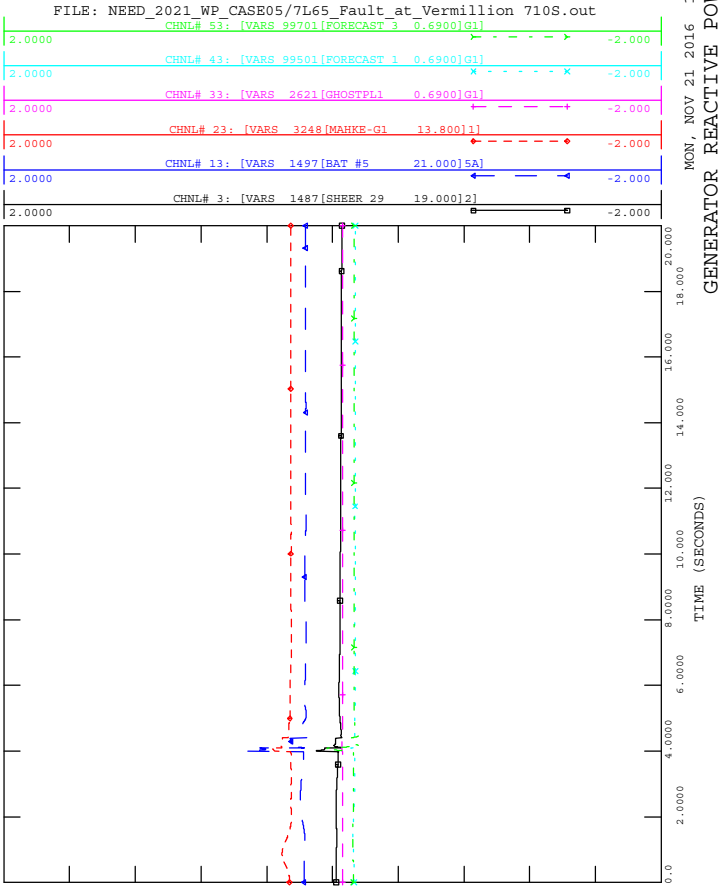


MON, NOV 21 2016 12:53

LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L65_FAULT_AT_VERMILLION 710S

FILE: NEED_2021_WP_CASE05/7L65_Fault_at_Vermillion 710S.out



MON, NOV 21 2016 12:53

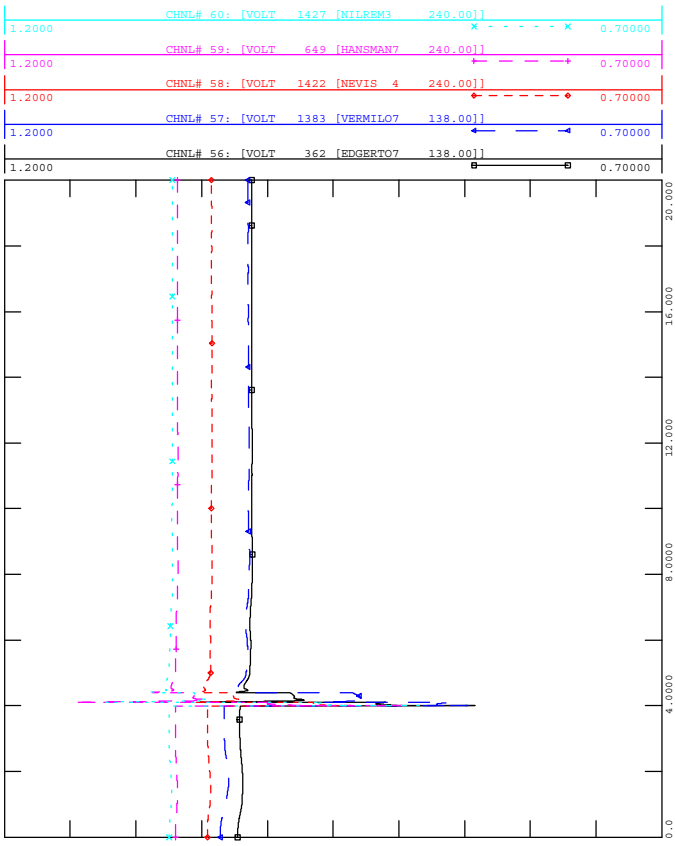
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

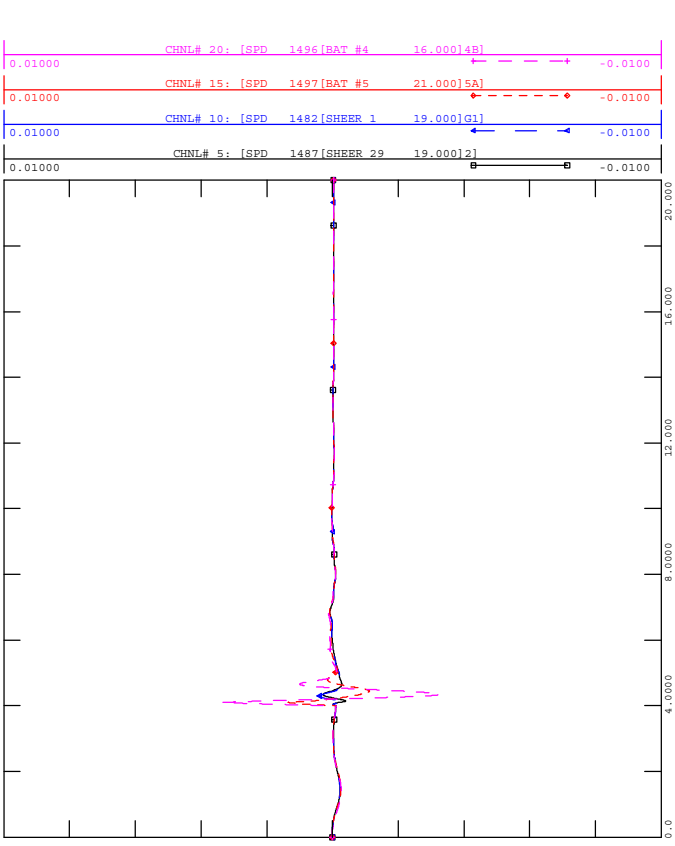


NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

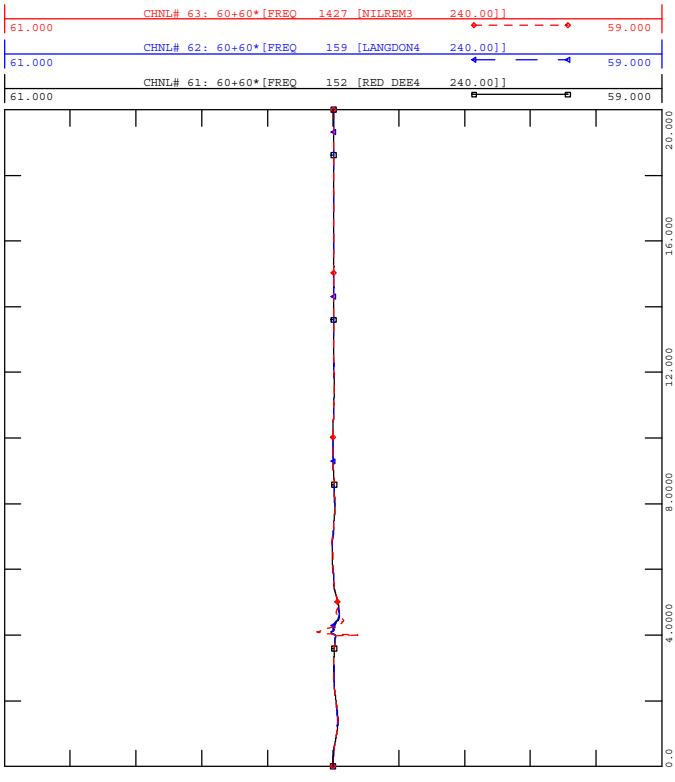


NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:53

FREQUENCY

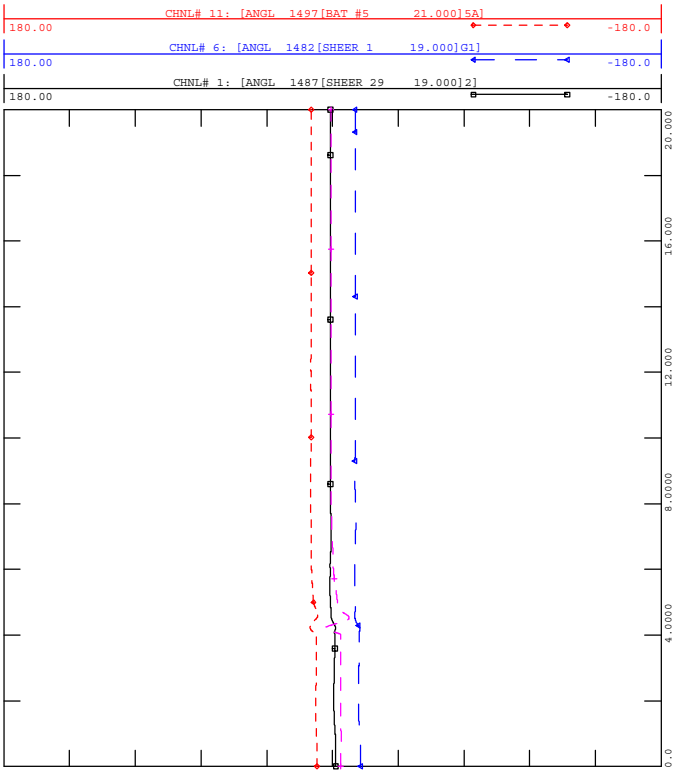


NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out

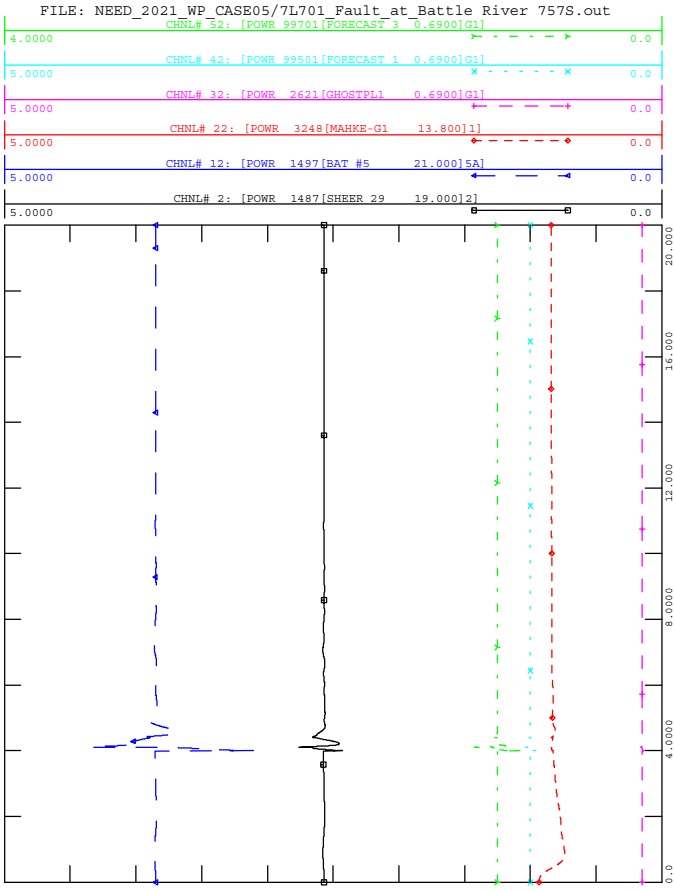
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

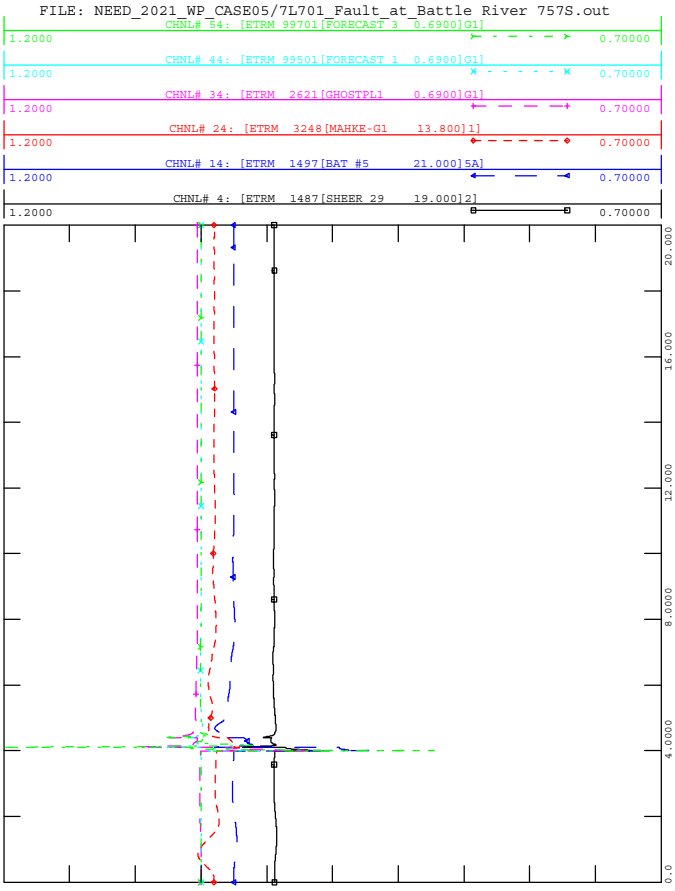
FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

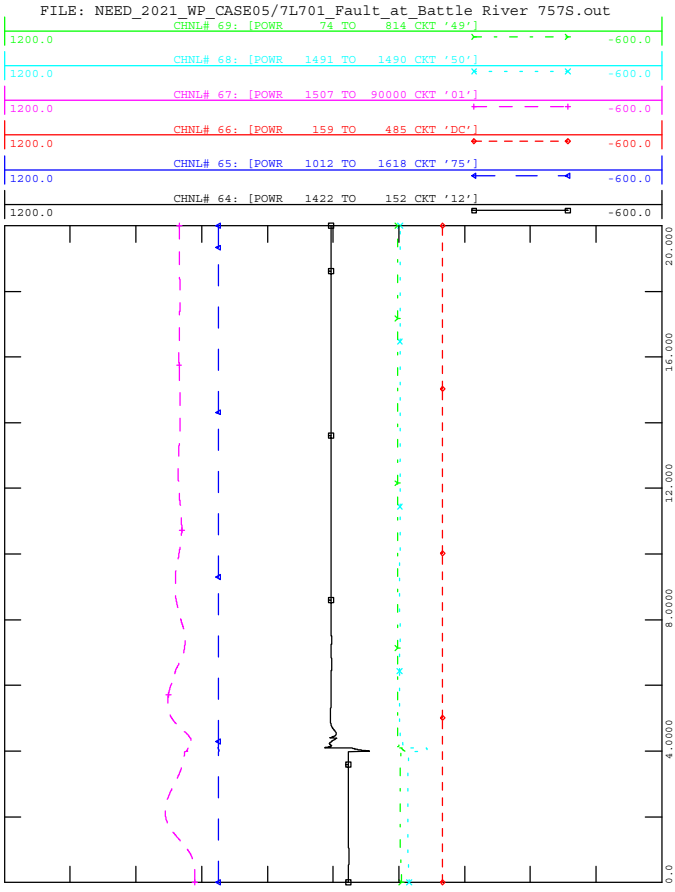
FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

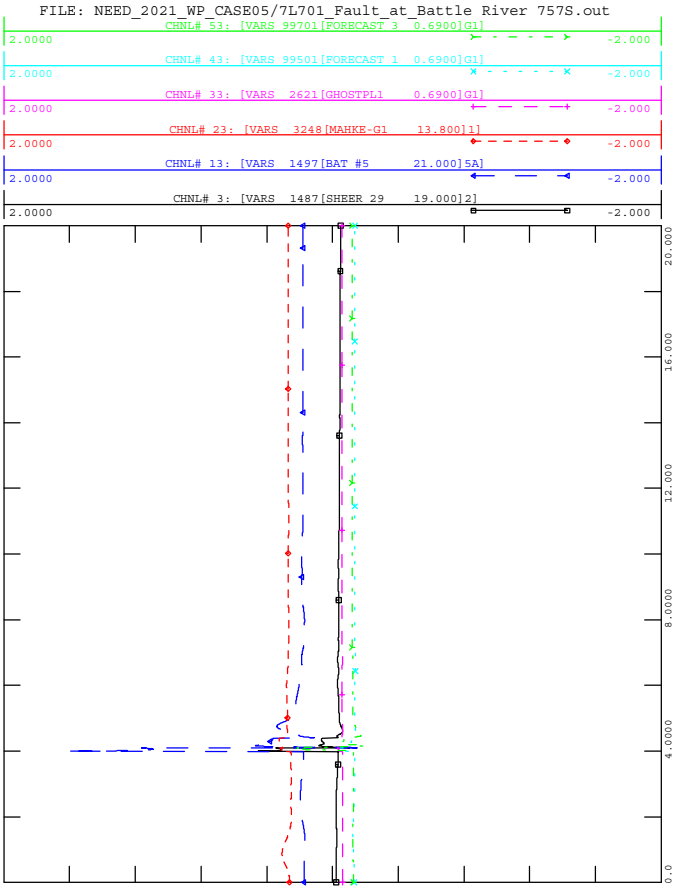
FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Battle River 757S.out



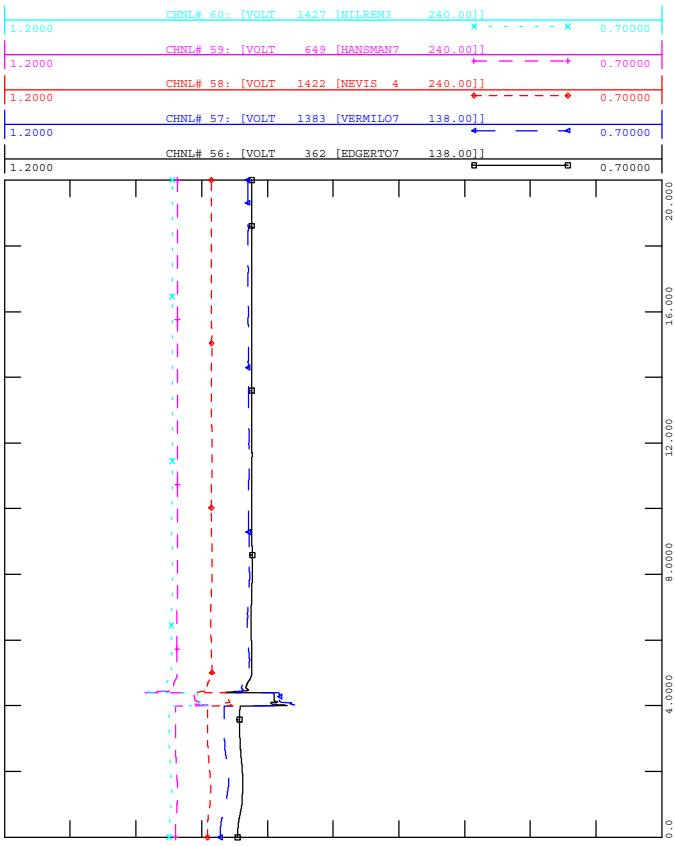
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

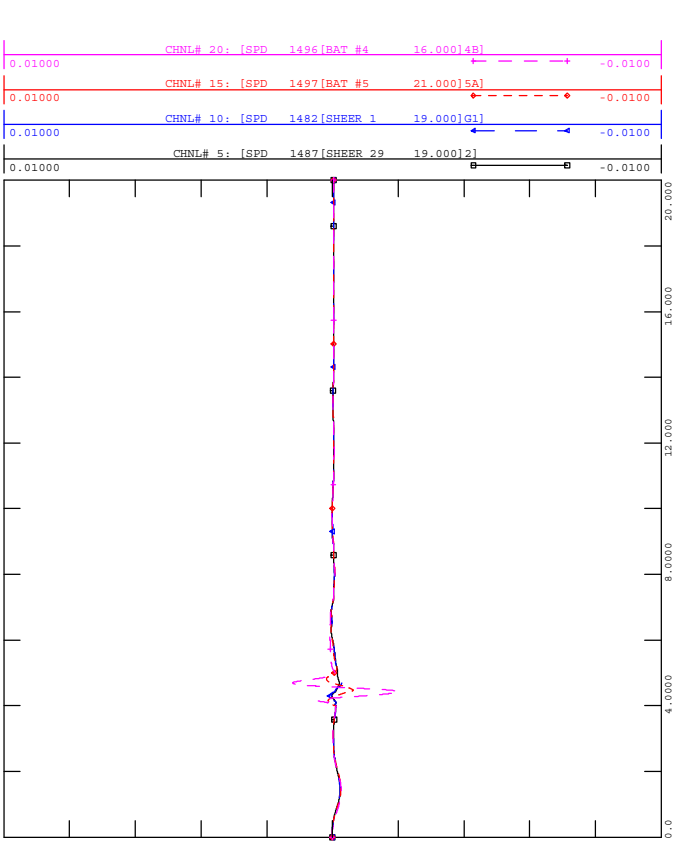


NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

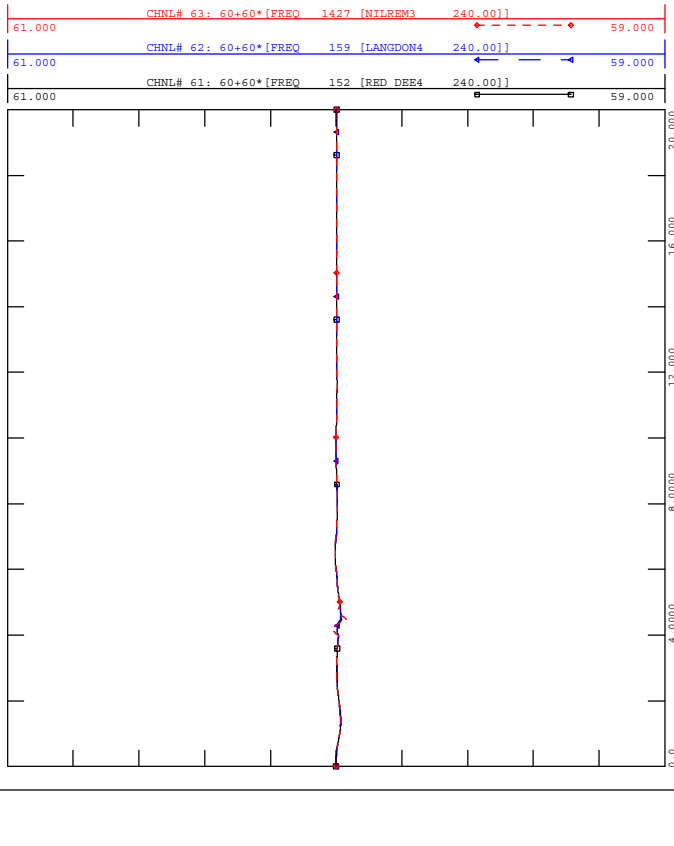


NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out

MON, NOV 21 2016 12:53

FREQUENCY

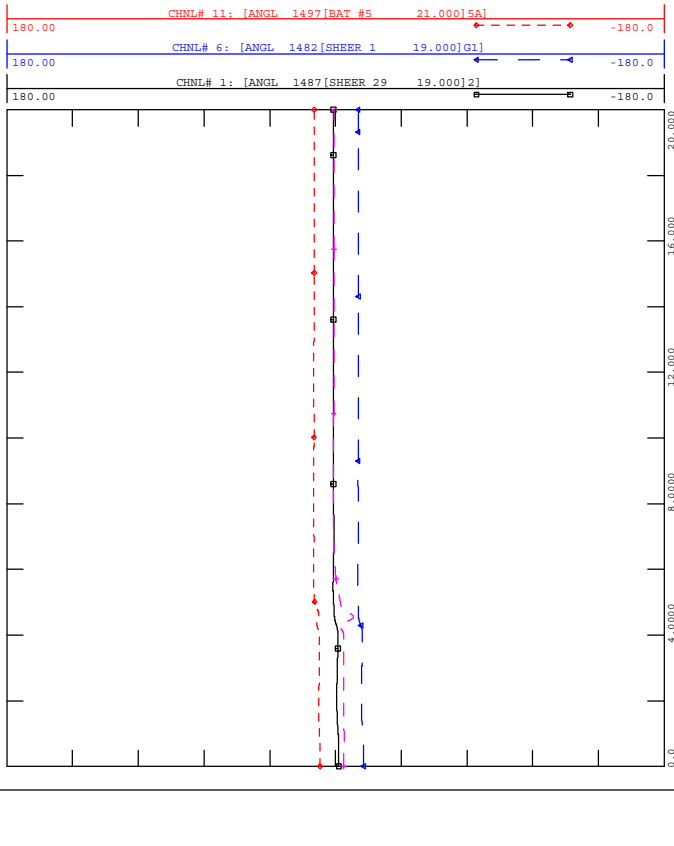


NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out

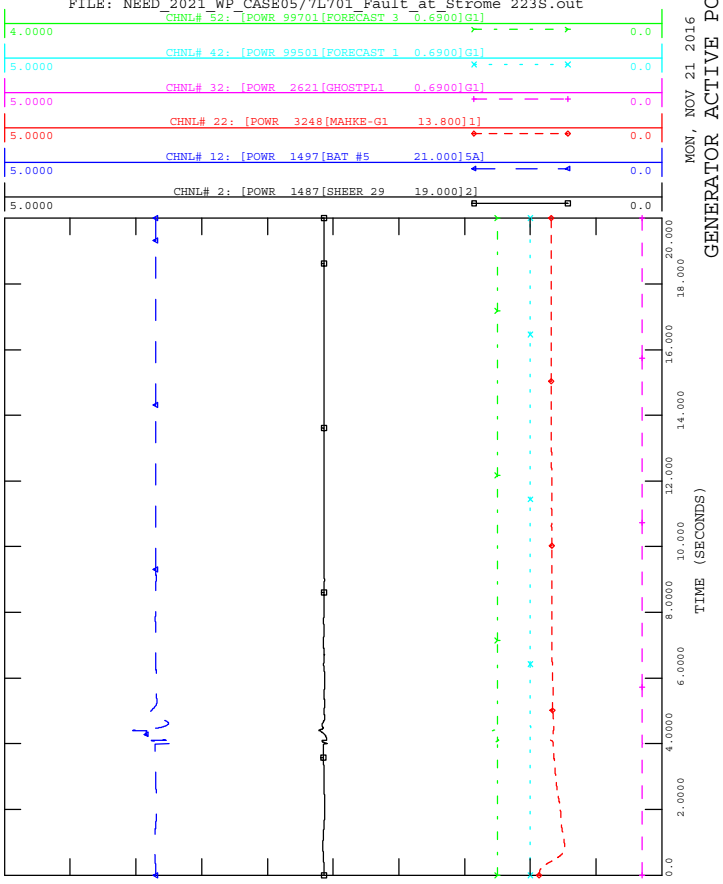
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_STROME 223S

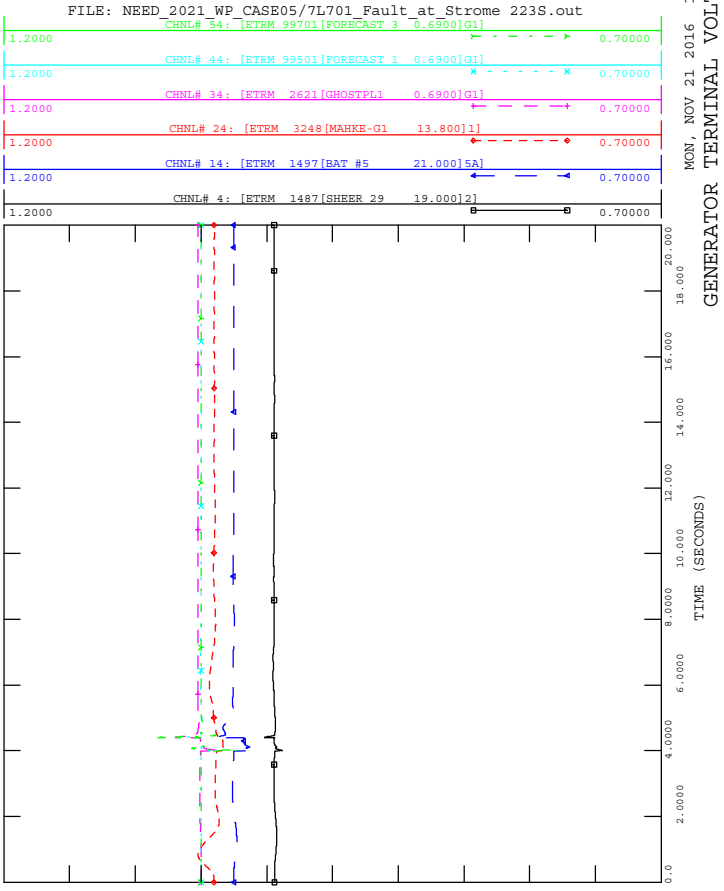
FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_STROME 223S

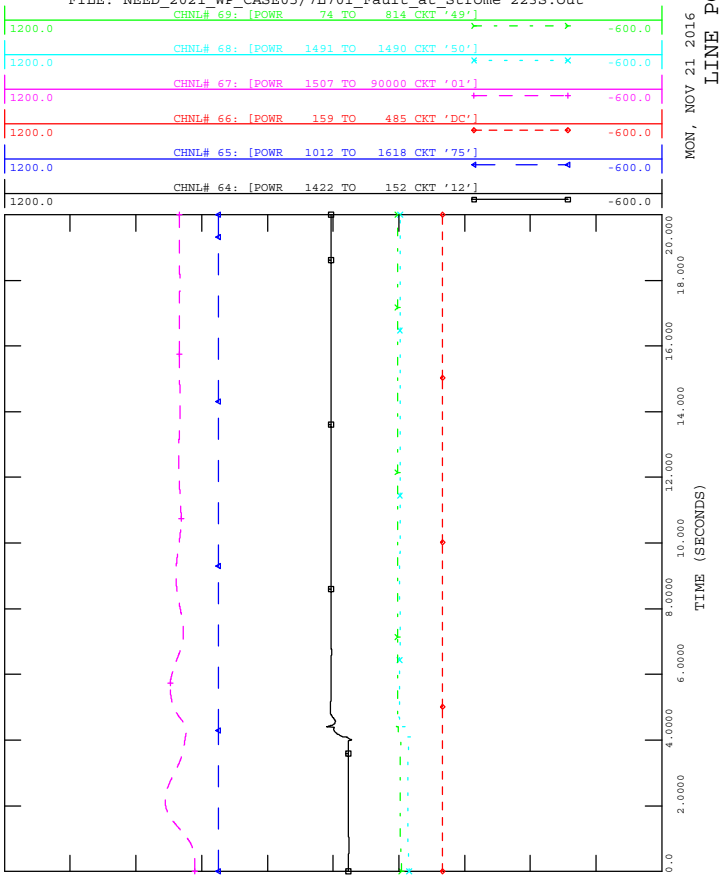
FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_STROME 223S

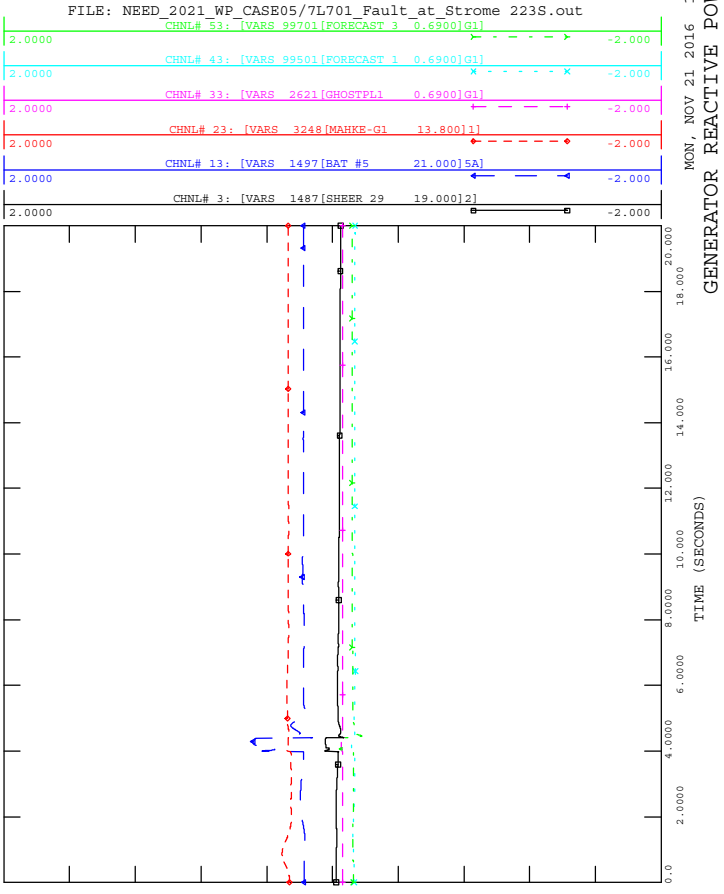
FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: NEED_2021_WP_CASE05/7L701_Fault_at_Strome 223S.out



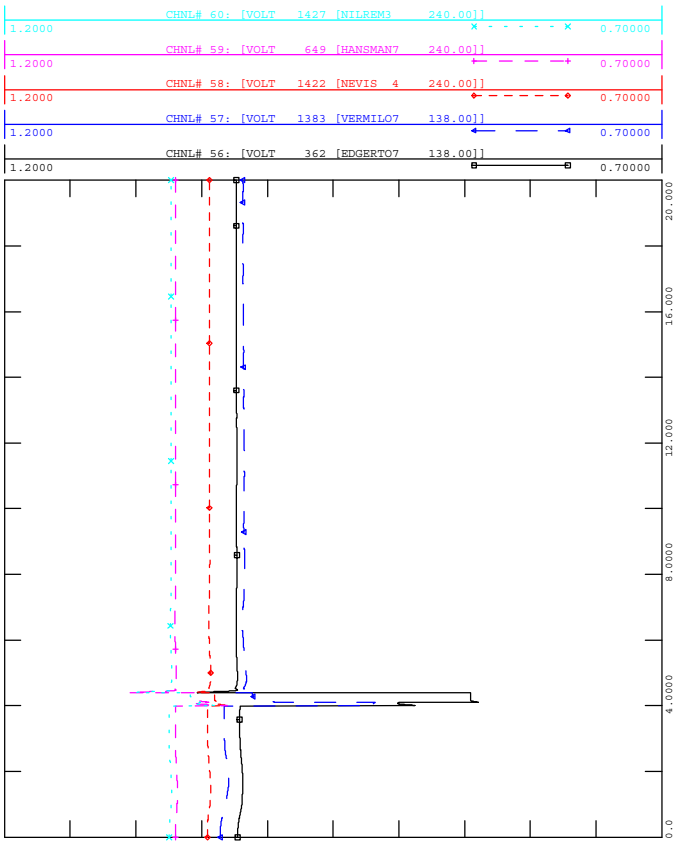
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

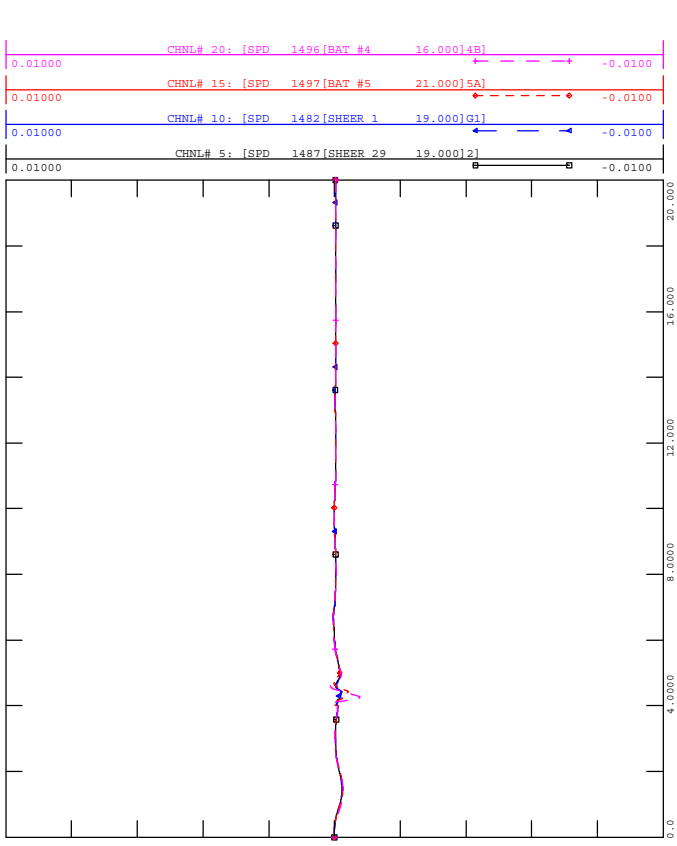


NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

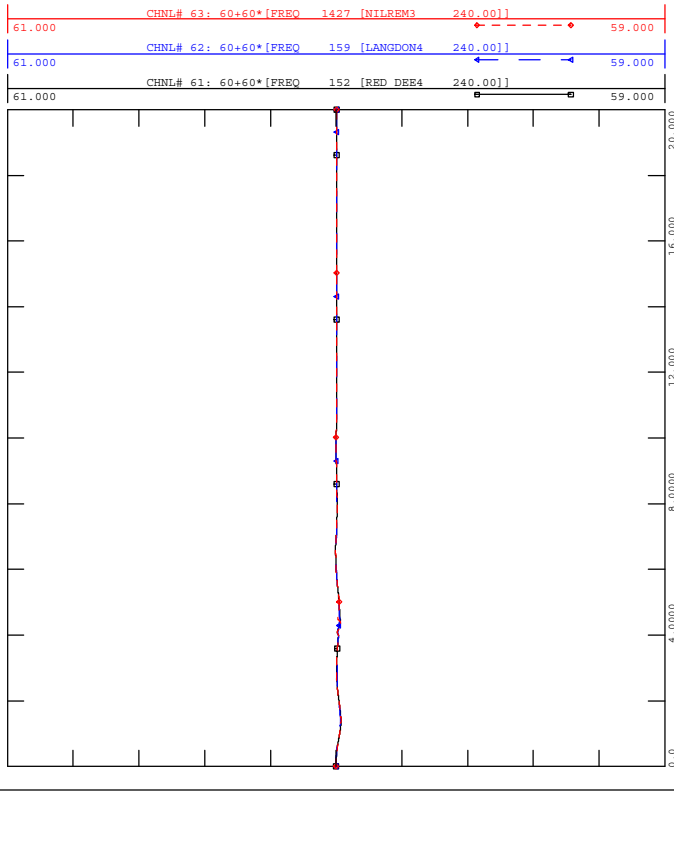


NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out

MON, NOV 21 2016 12:53

FREQUENCY

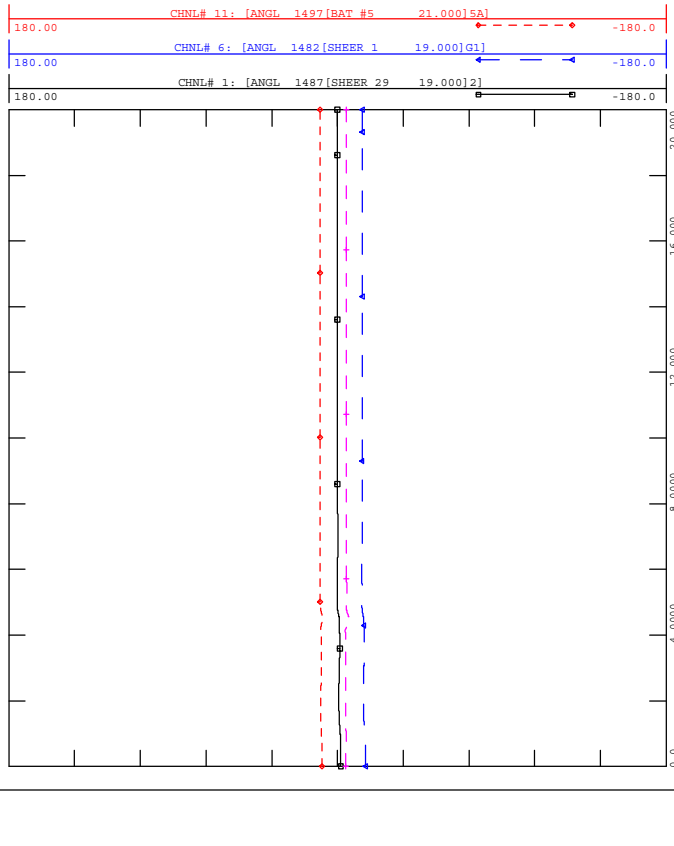


NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out

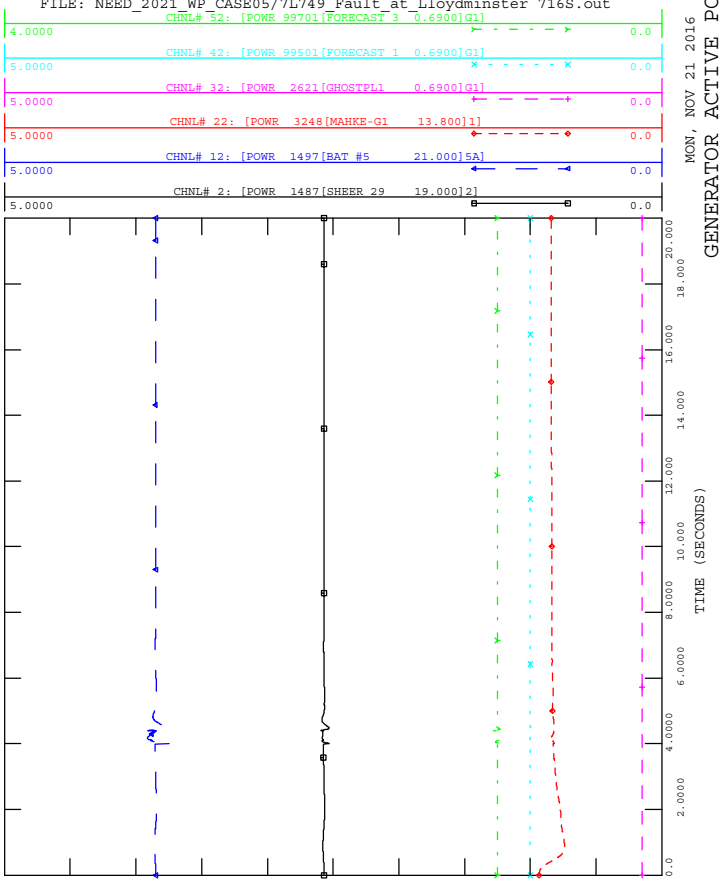
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

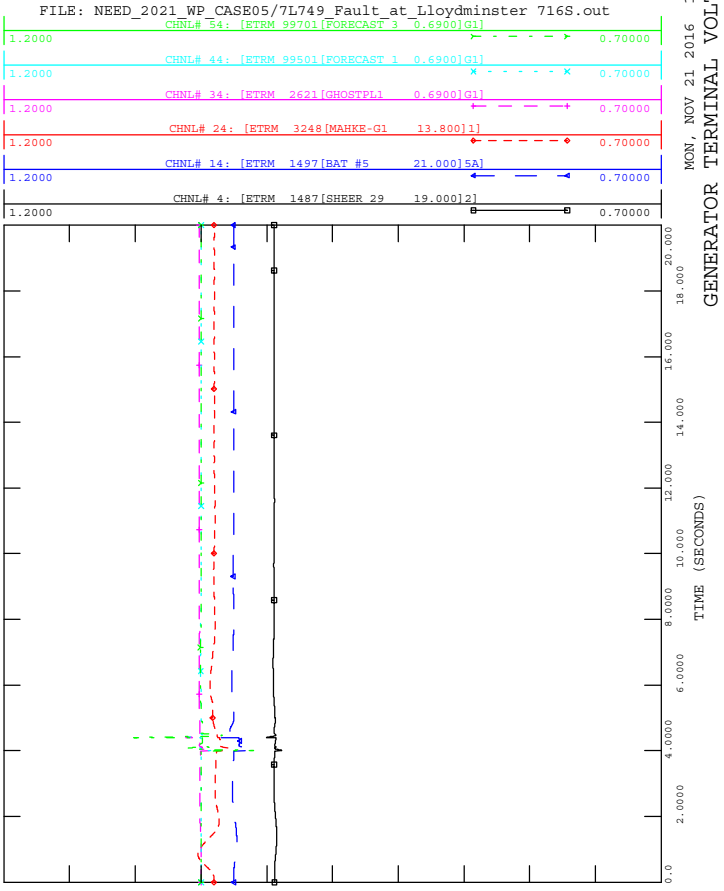
FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

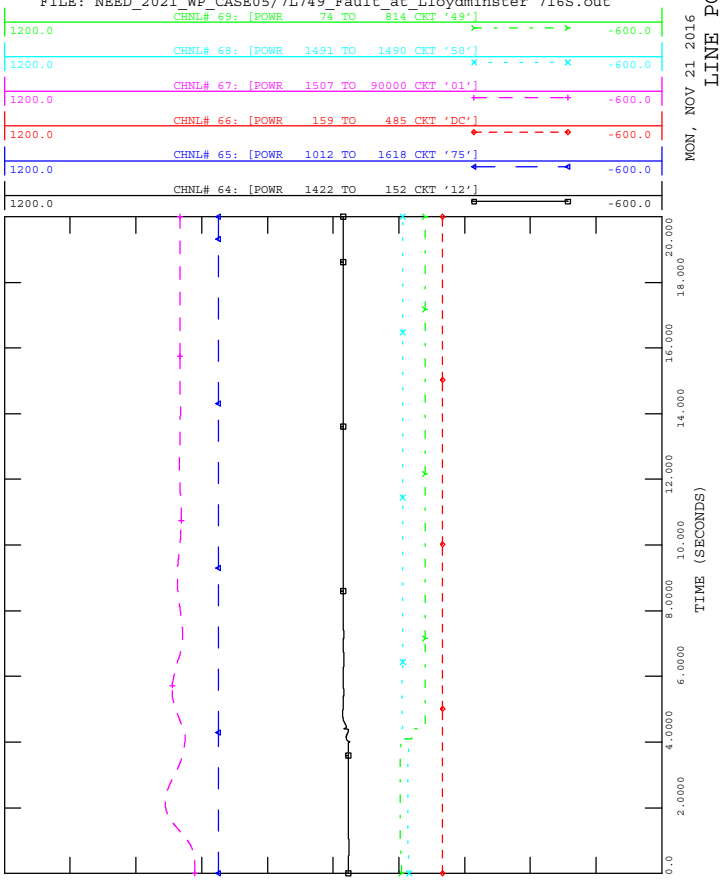
FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

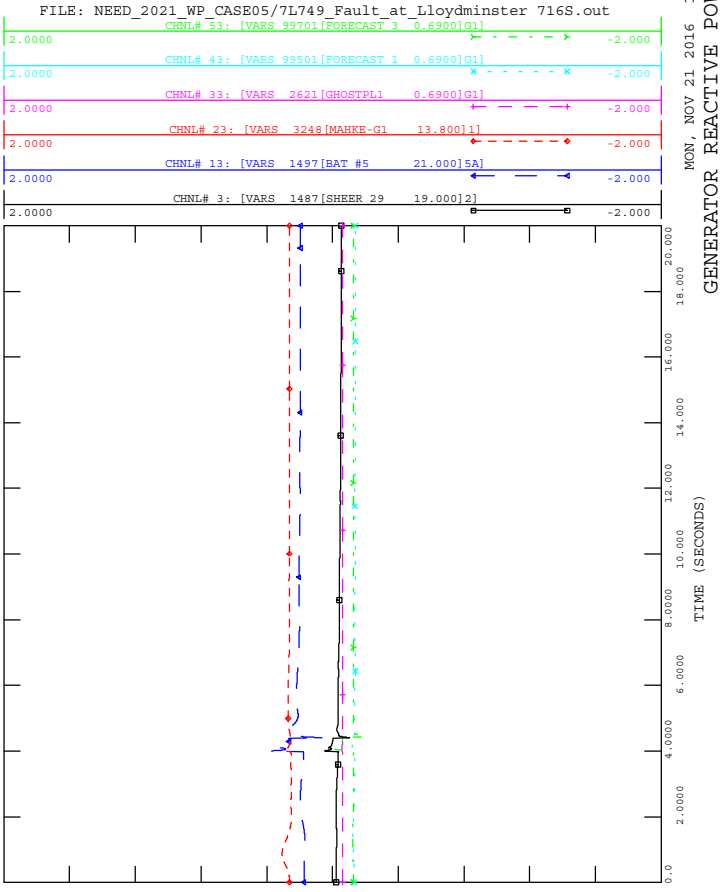
FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

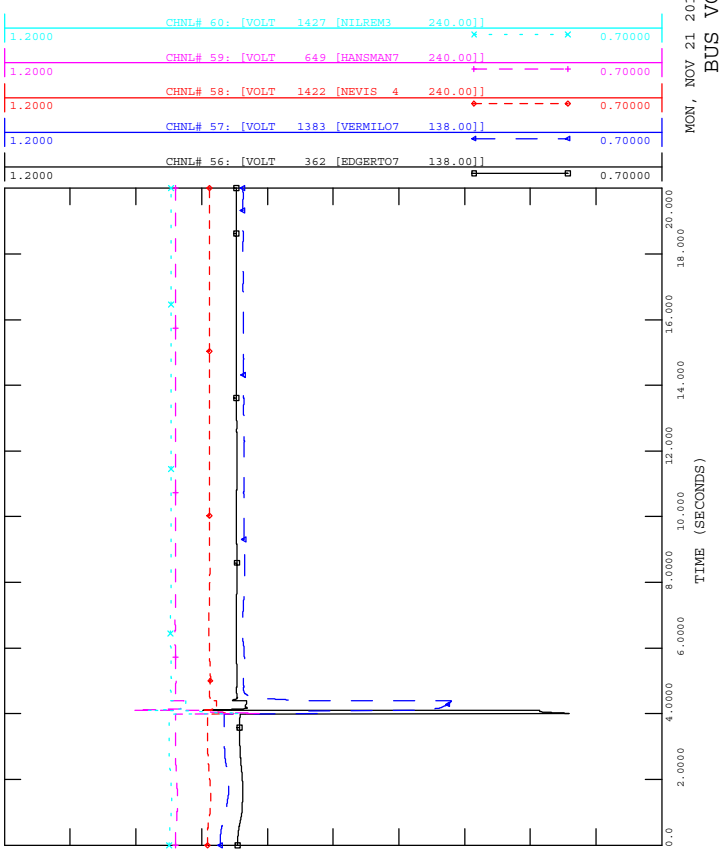
FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Lloydminster 716S.out



MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

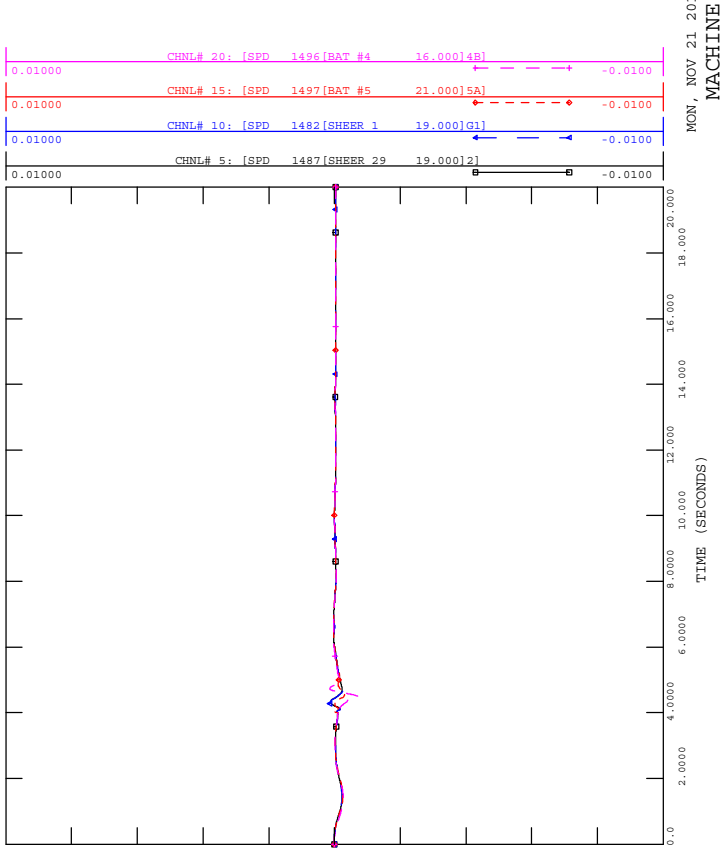
FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 12:53
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

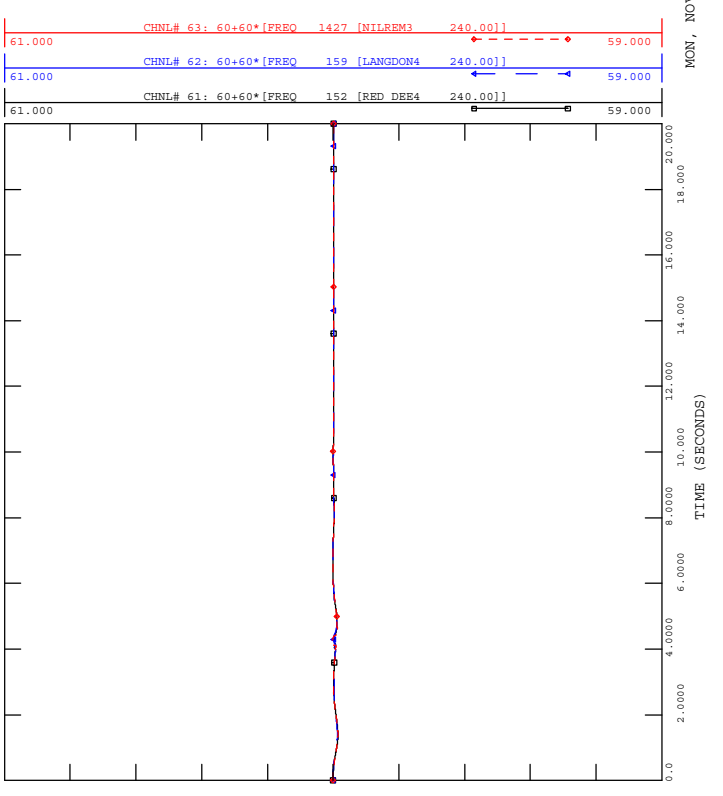
FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 12:53
MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

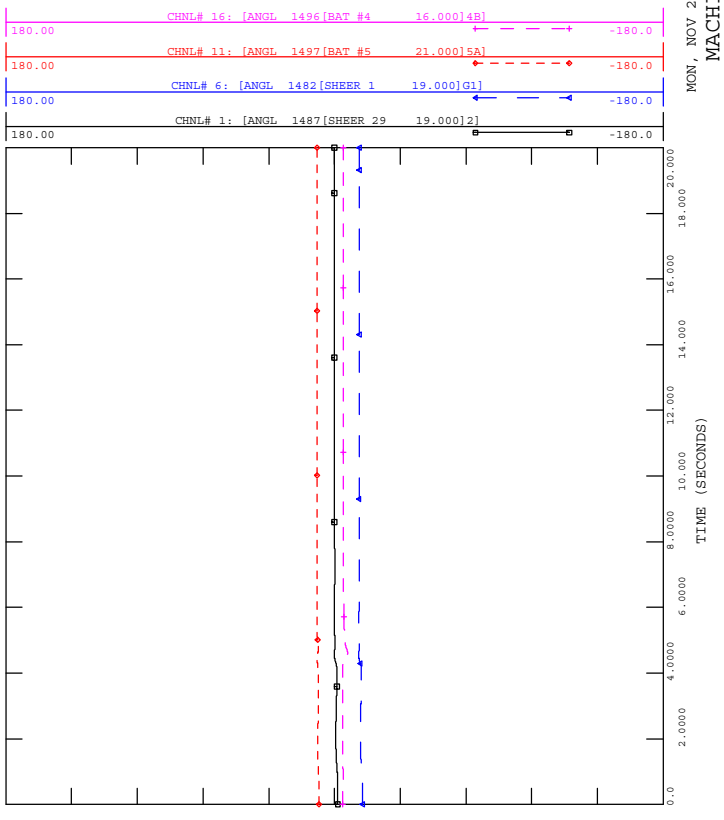
FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 12:53
FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

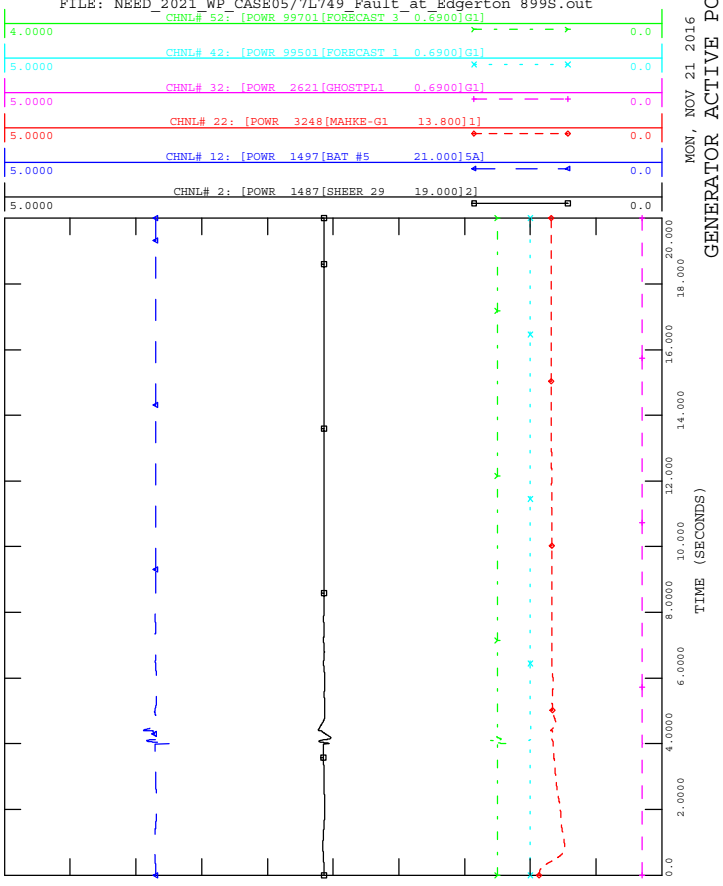
FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out



MON, NOV 21 2016 12:53
MACHINE ANGEL

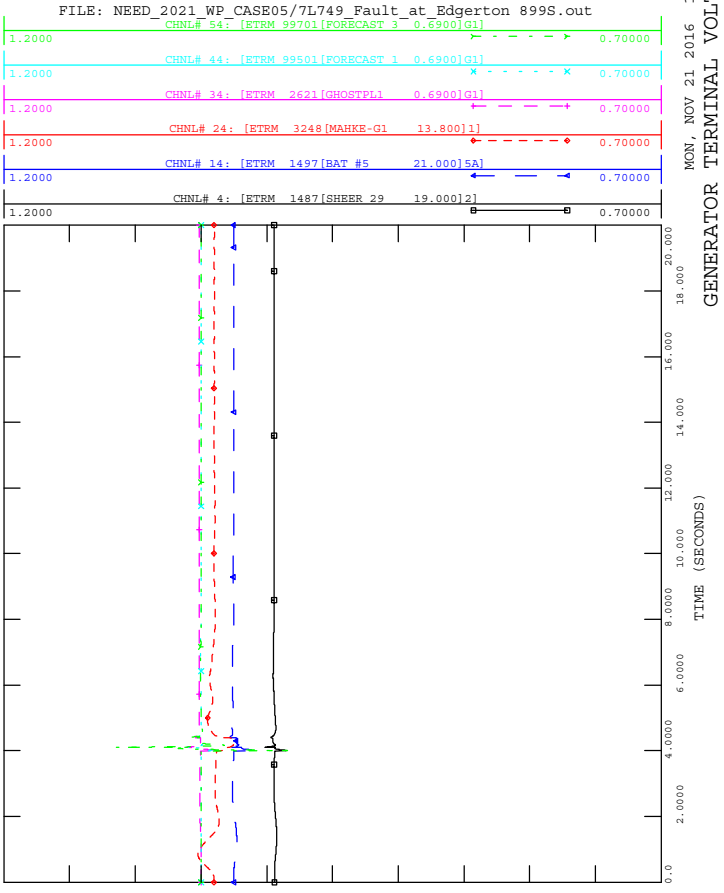
NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out



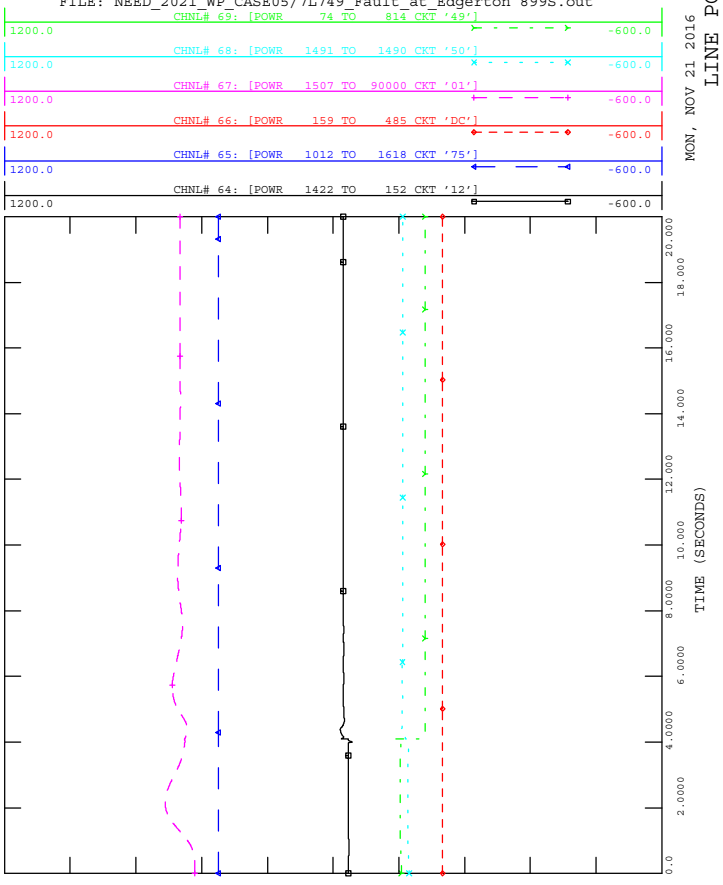
NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out



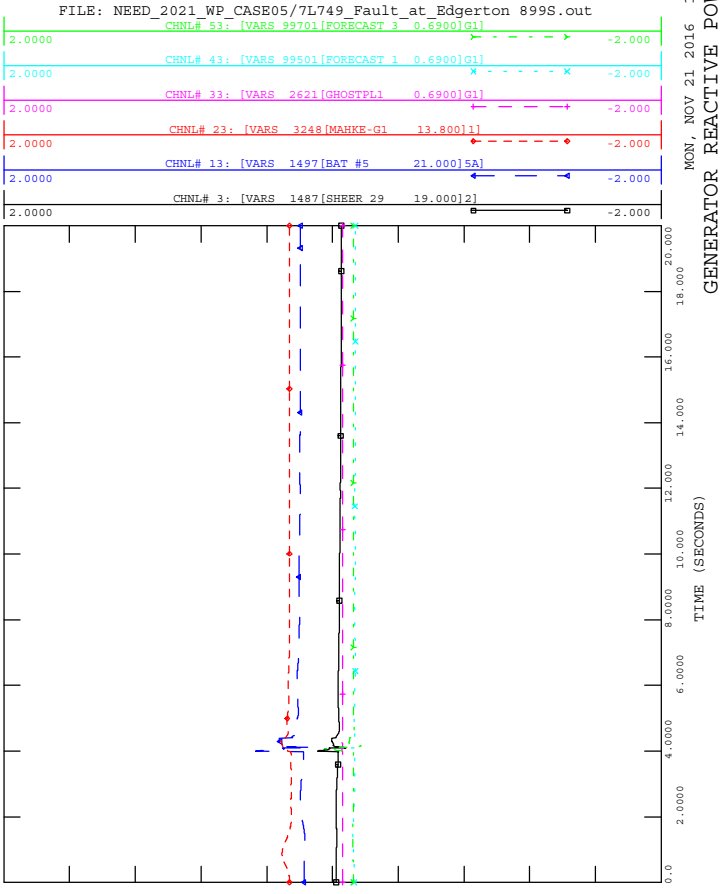
NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out



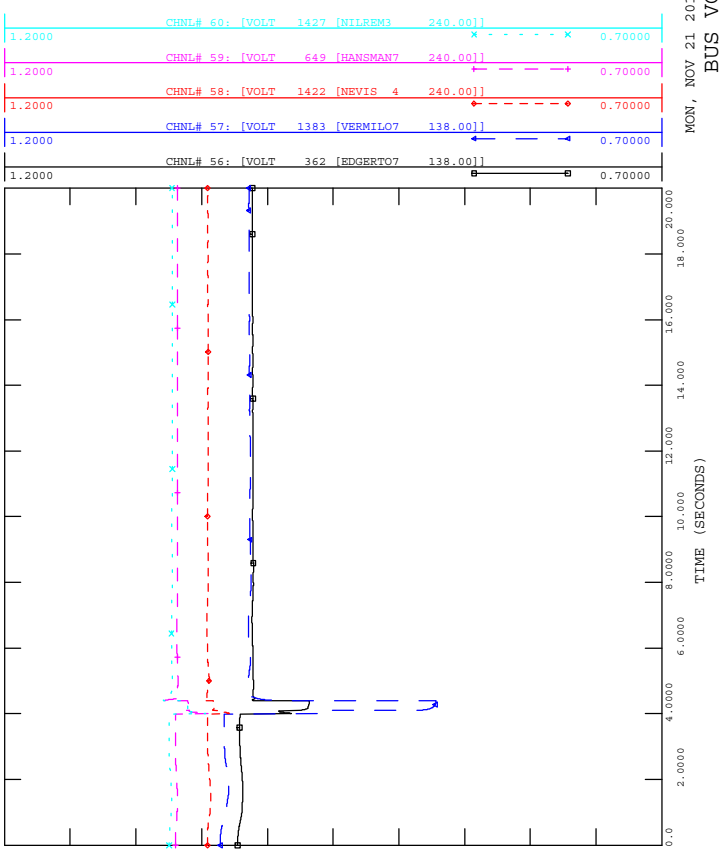
NEED_2021_WP_CASE05
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: NEED_2021_WP_CASE05/7L749_Fault_at_Edgerton 899S.out



NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

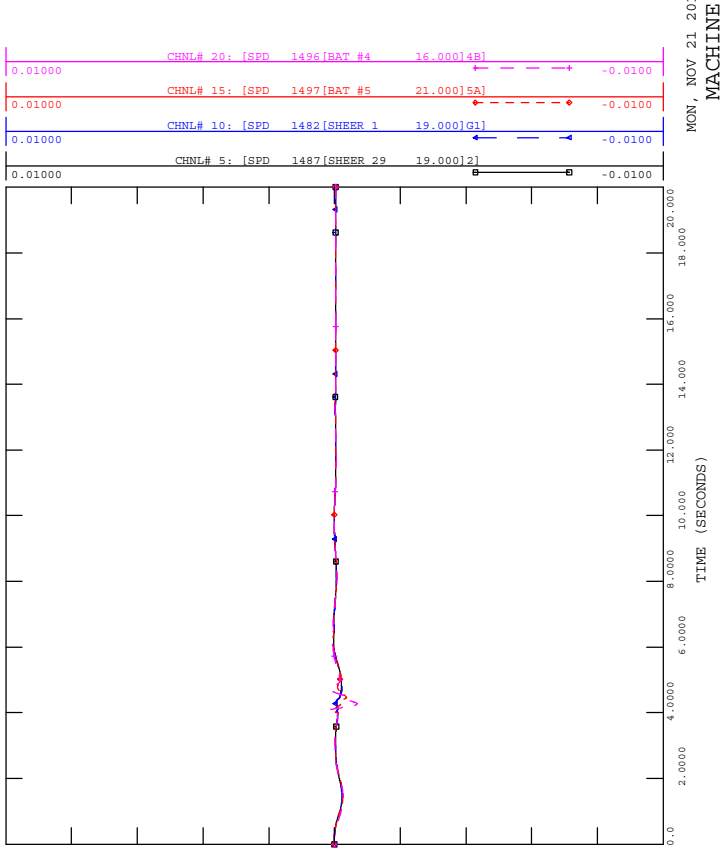
FILE: NEED_2021_WP_CASE05/7L77_Fault_at_North Holden 395S.out



MON, NOV 21 2016 12:53
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

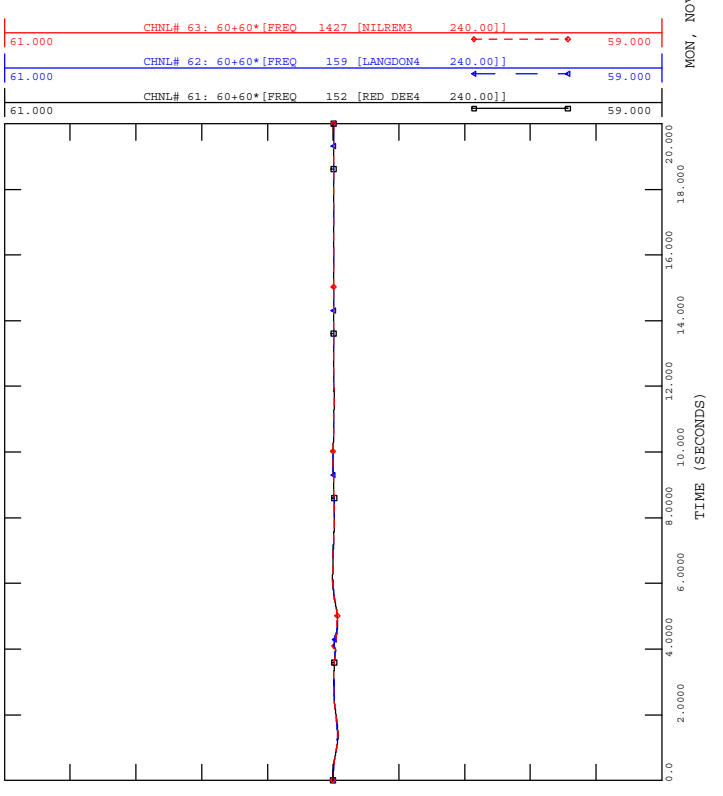
FILE: NEED_2021_WP_CASE05/7L77_Fault_at_North Holden 395S.out



MON, NOV 21 2016 12:53
MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

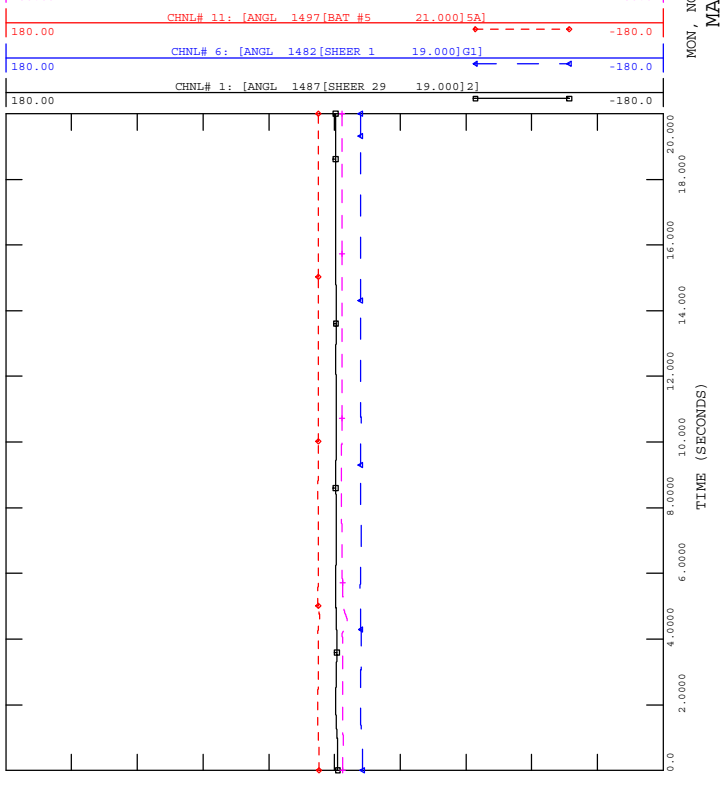
FILE: NEED_2021_WP_CASE05/7L77_Fault_at_North Holden 395S.out



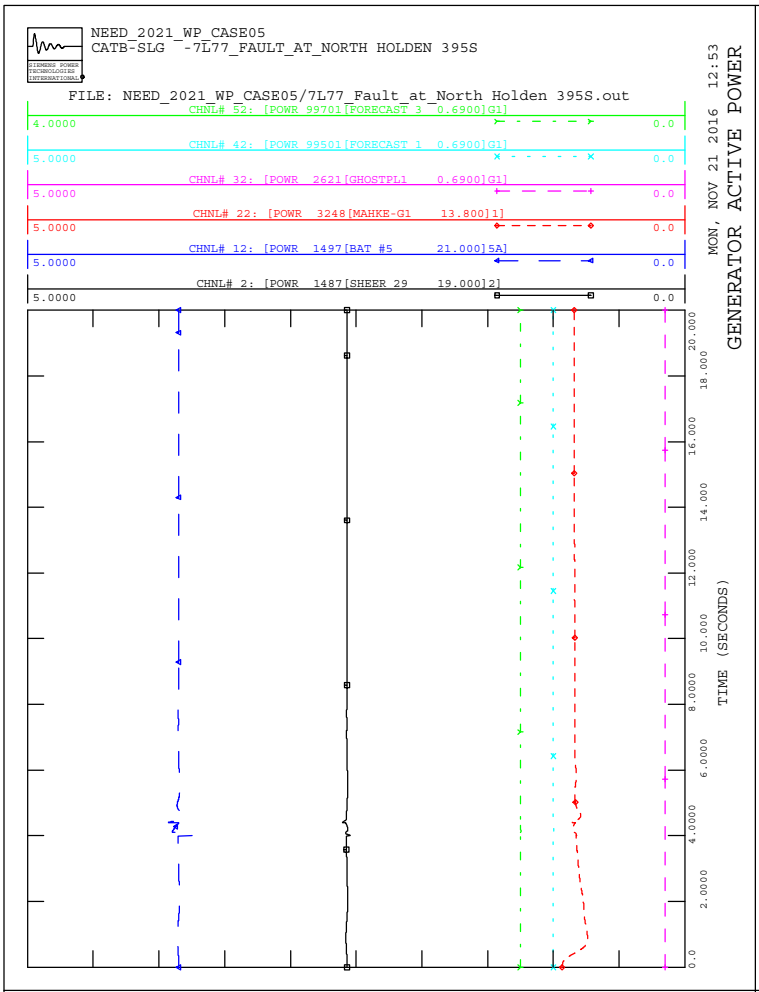
MON, NOV 21 2016 12:53
FREQUENCY

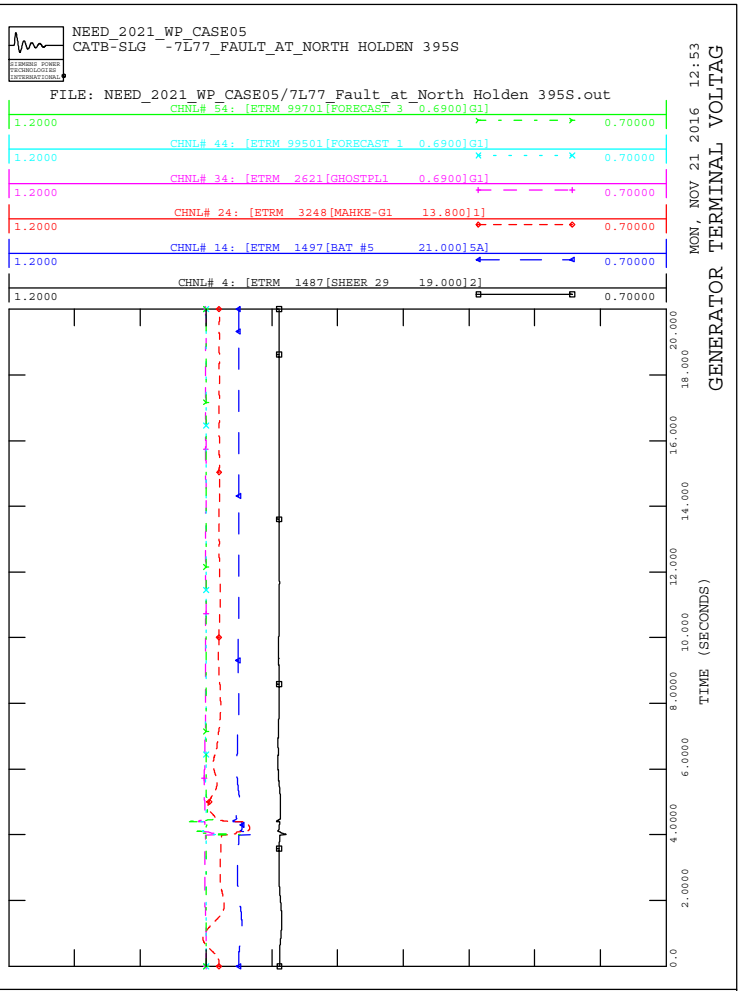
NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

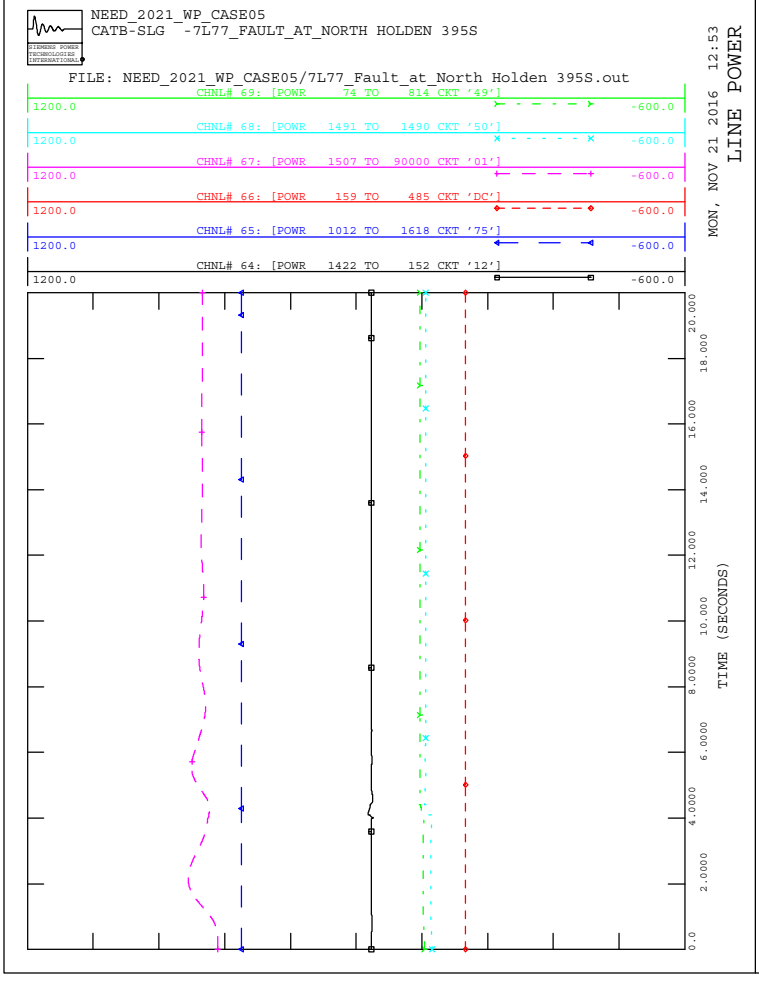
FILE: NEED_2021_WP_CASE05/7L77_Fault_at_North Holden 395S.out

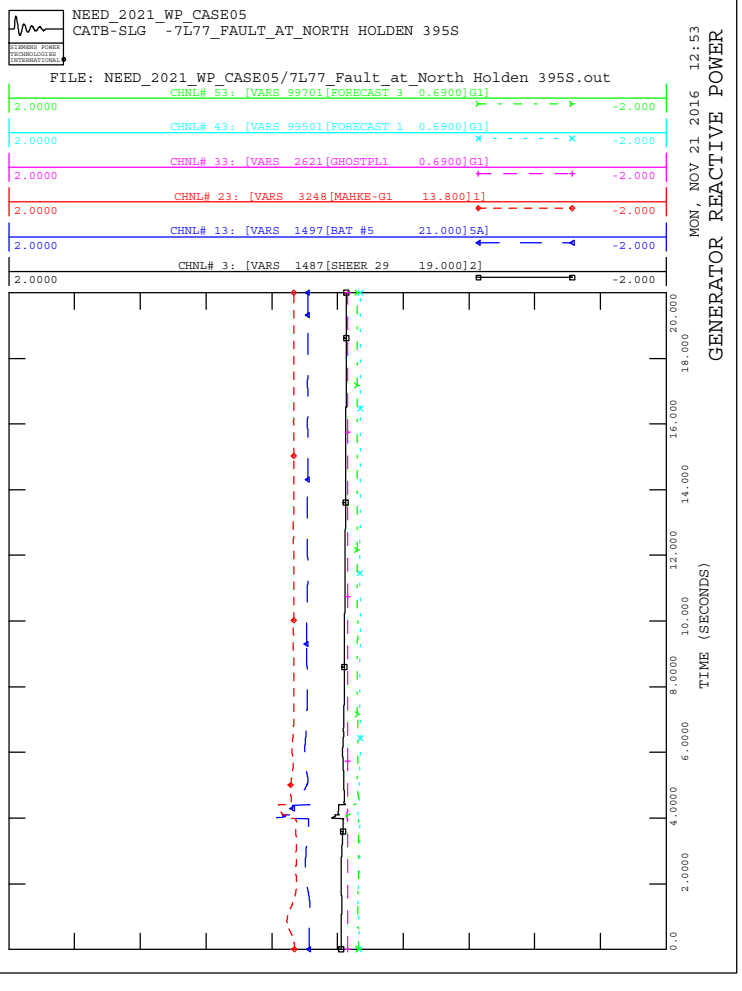


MON, NOV 21 2016 12:53
MACHINE ANGEL


NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: NEED_2021_WP_CASE05/7L77_Fault_at_North Holden 395S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:53
TIME (SECONDS)

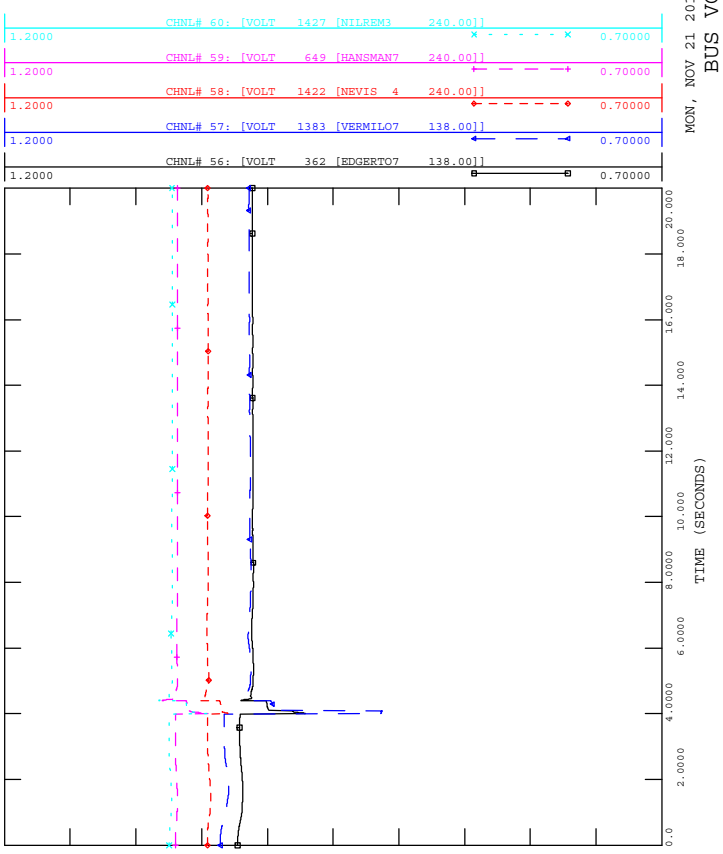

NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: NEED_2021_WP_CASE05/7L77_Fault_at_North Holden 395S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:53
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: NEED_2021_WP_CASE05/7L77_Fault_at_North Holden 395S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:53
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: NEED_2021_WP_CASE05/7L77_Fault_at_North Holden 395S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:53
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

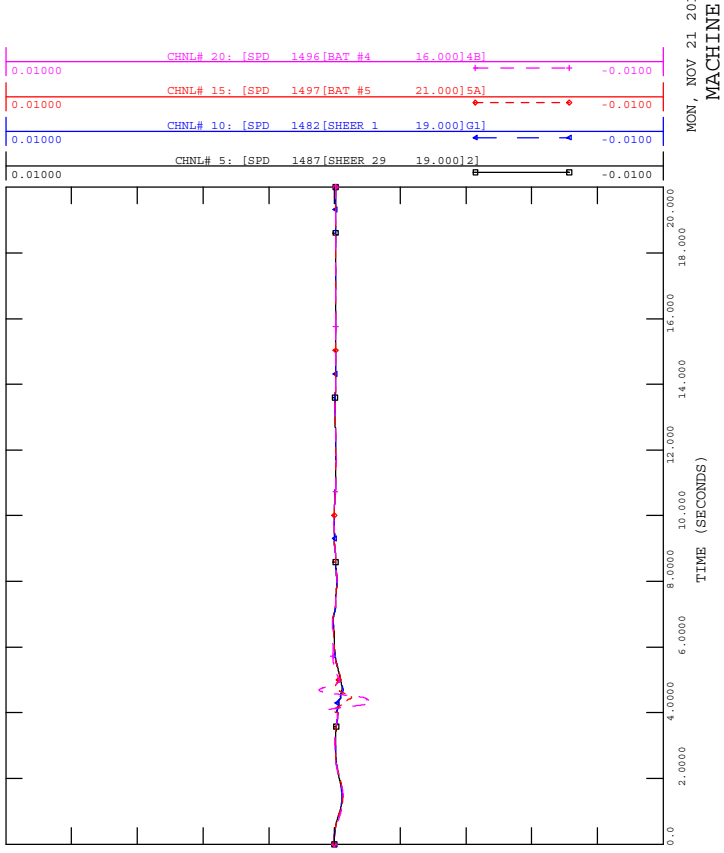
FILE: NEED_2021_WP_CASE05/7L77_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 12:53
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

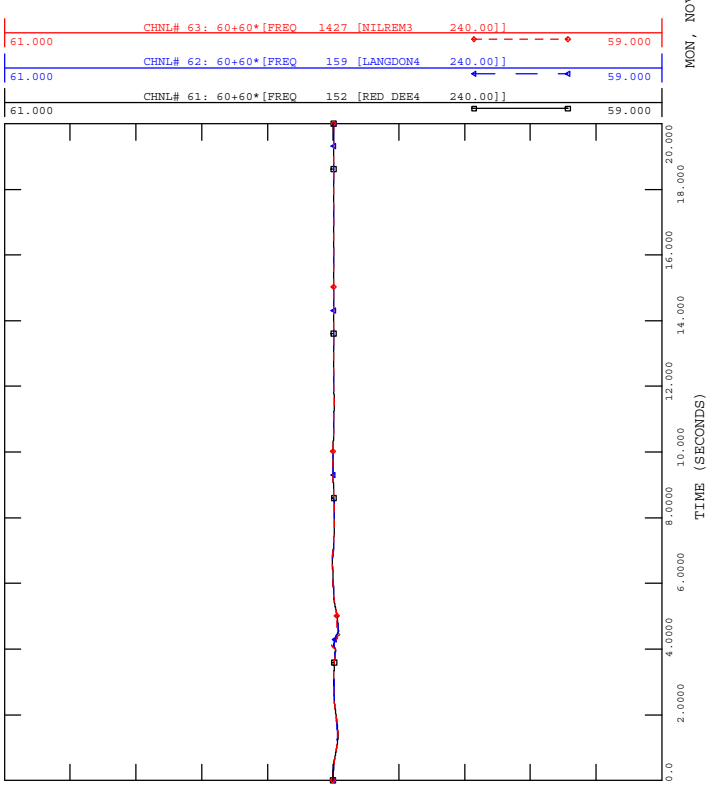
FILE: NEED_2021_WP_CASE05/7L77_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 12:53
MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

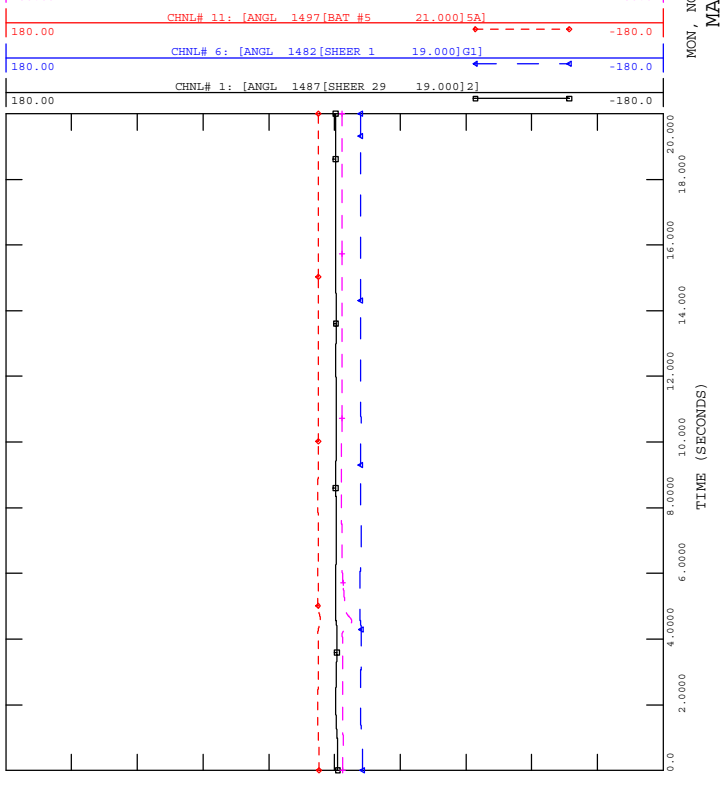
FILE: NEED_2021_WP_CASE05/7L77_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 12:53
FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L77_Fault_at_Vegreville 709S.out



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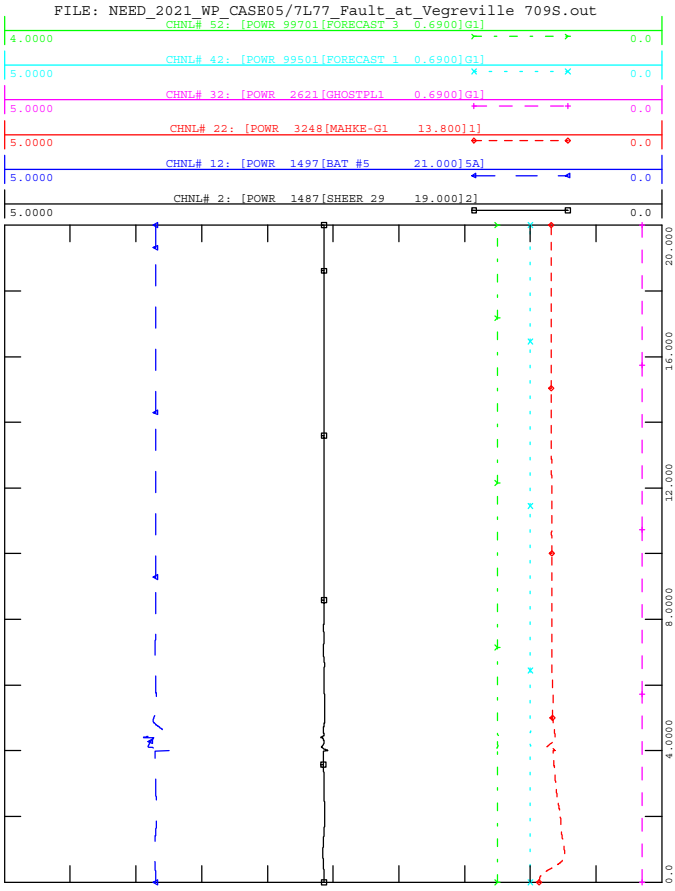
MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L77_Fault_at_Vegreville 709S.out



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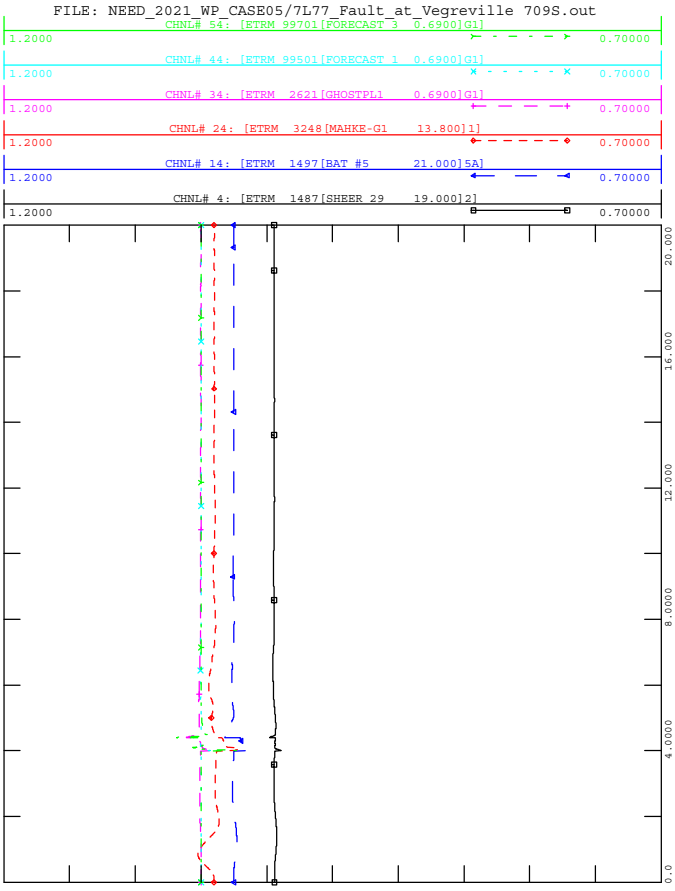
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L77_Fault_at_Vegreville 709S.out



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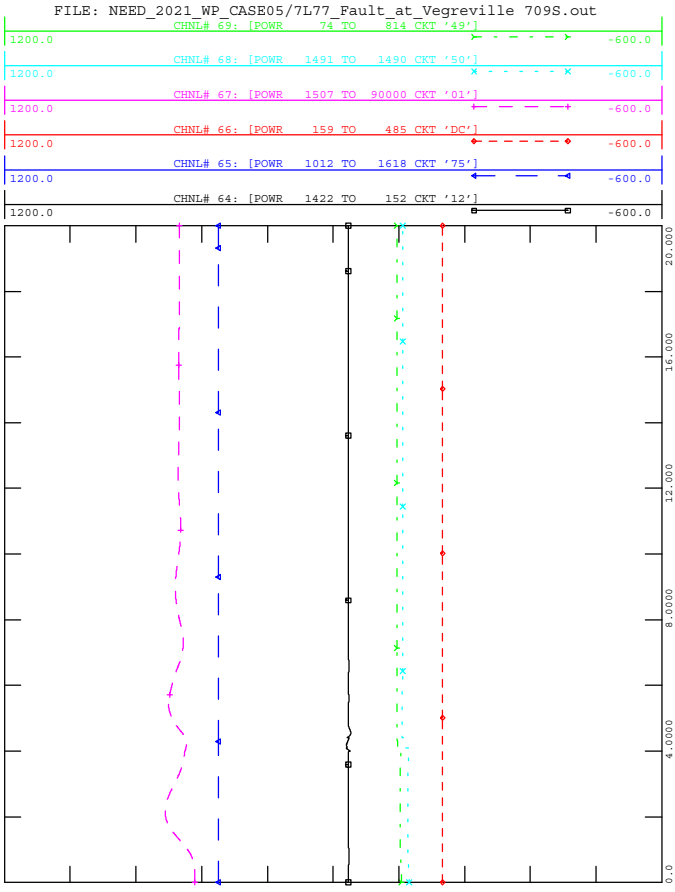
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L77_Fault_at_Vegreville 709S.out



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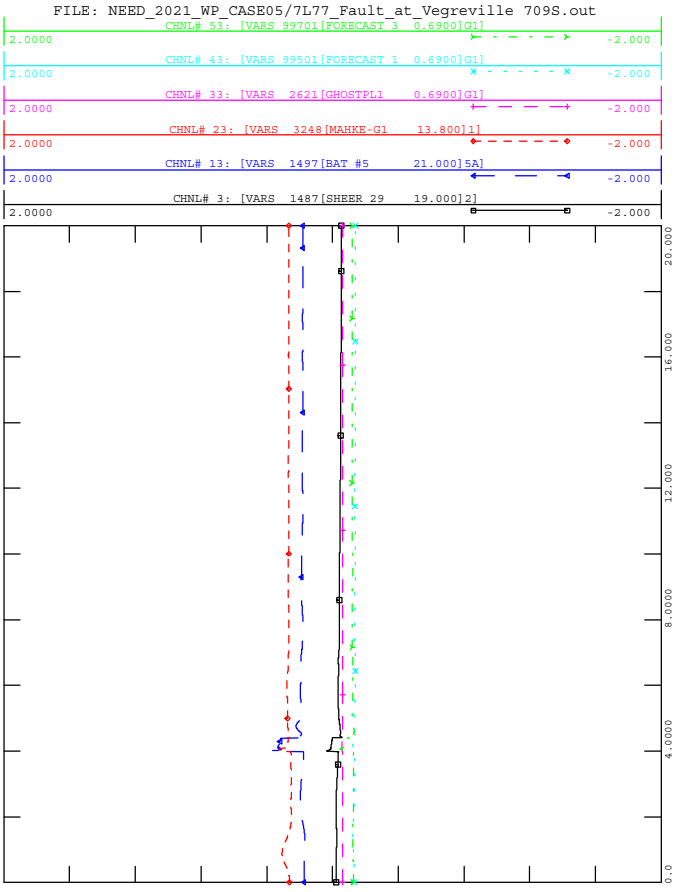
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L77_Fault_at_Vegreville 709S.out



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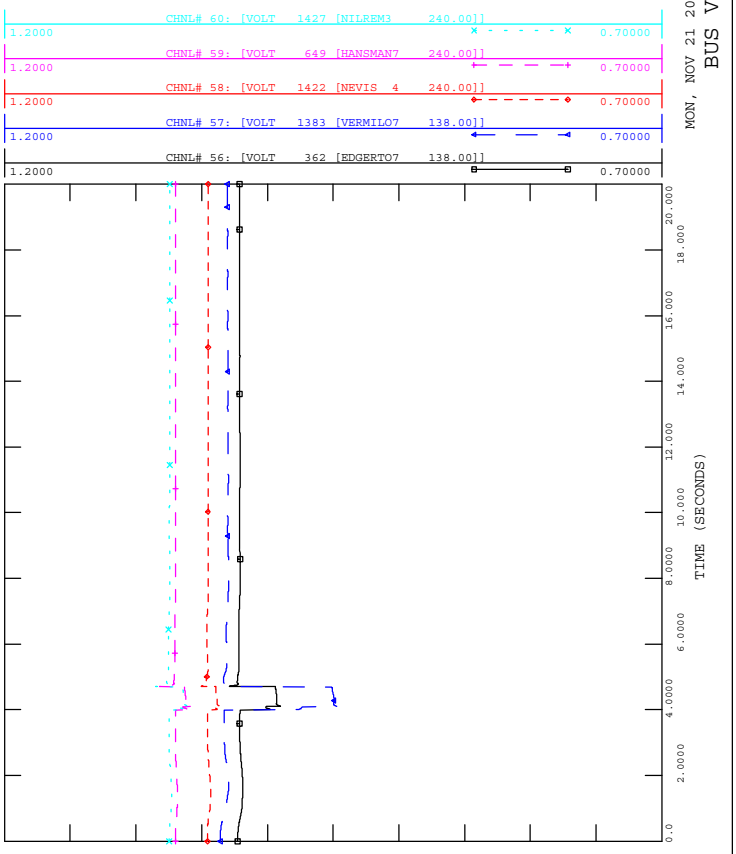
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Whitby Lake 819S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

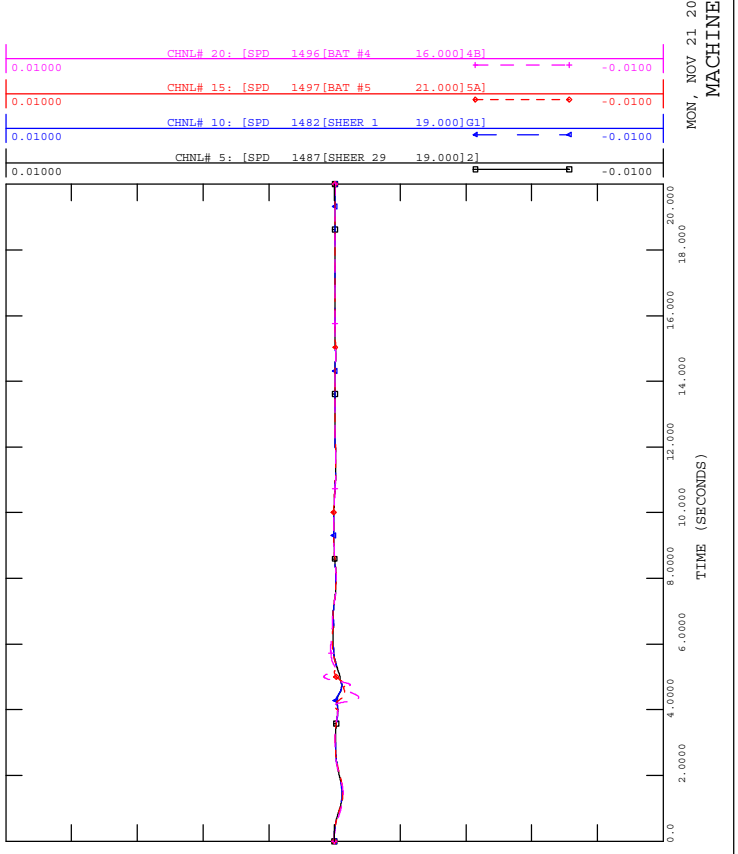


NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Whitby Lake 819S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

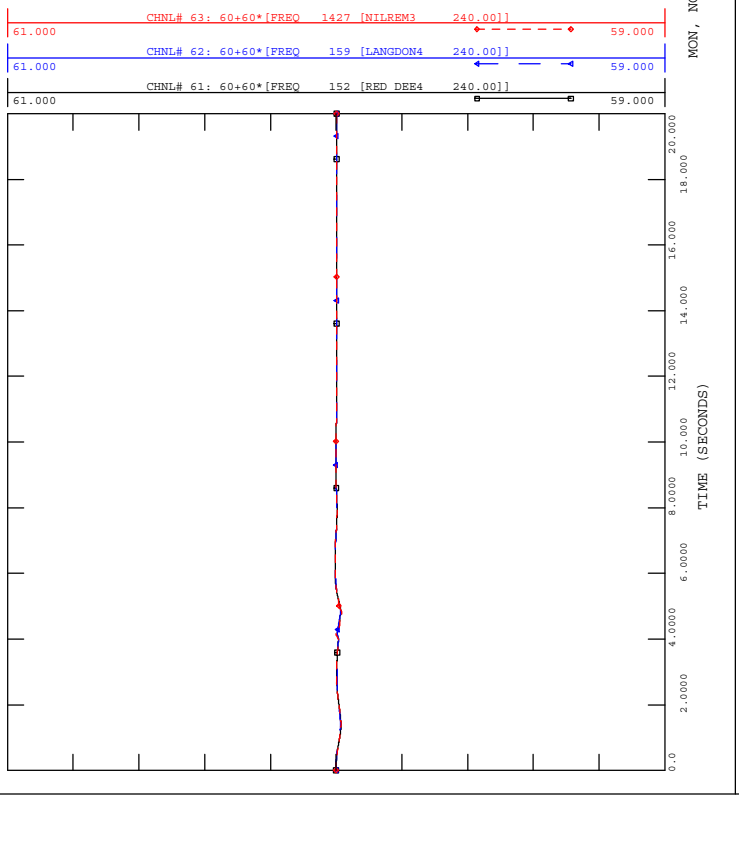


NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Whitby Lake 819S.out

MON, NOV 21 2016 12:53

FREQUENCY

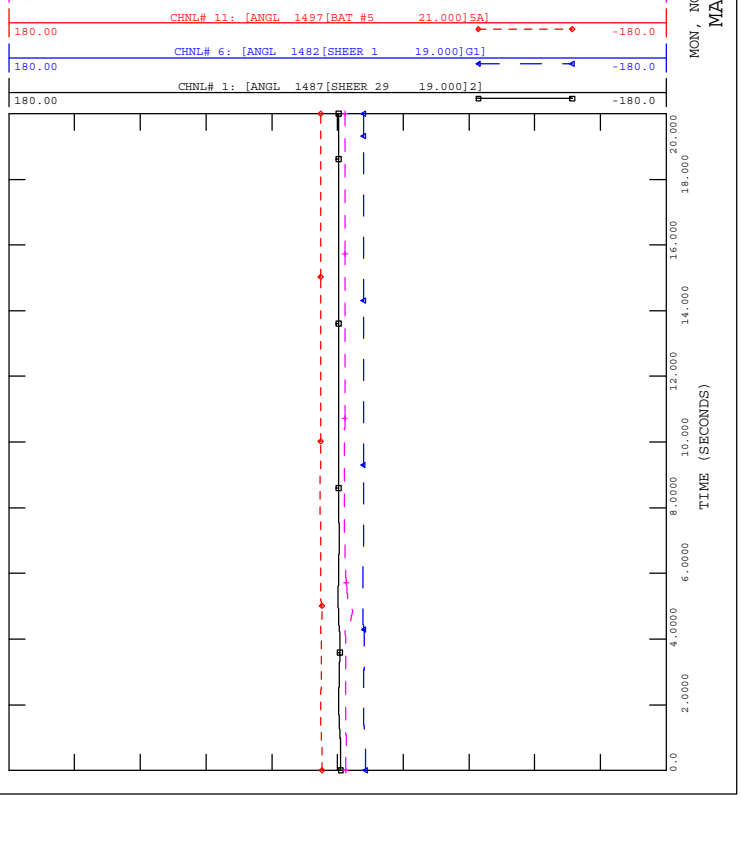


NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Whitby Lake 819S.out

MON, NOV 21 2016 12:53

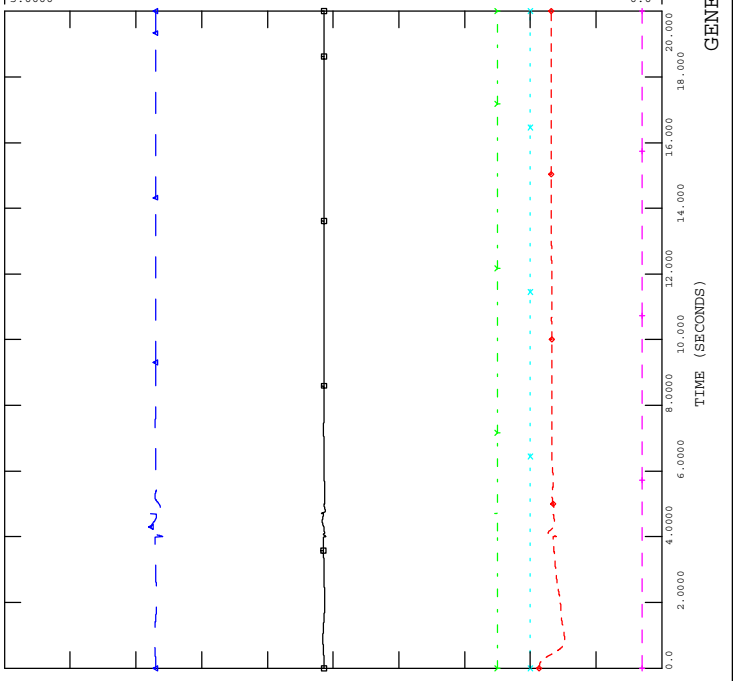
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Whitby Lake 819S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]



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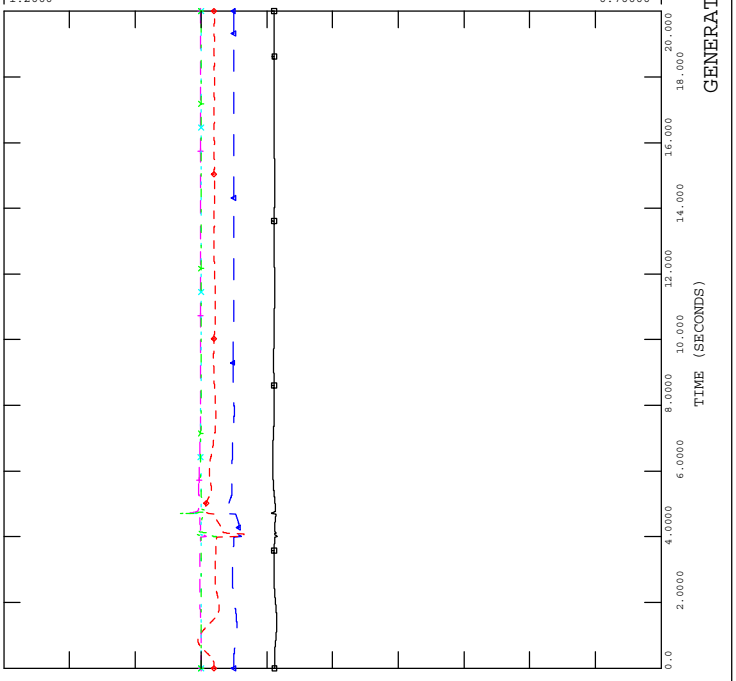
GENERATOR ACTIVE POWER

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Whitby Lake 819S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]



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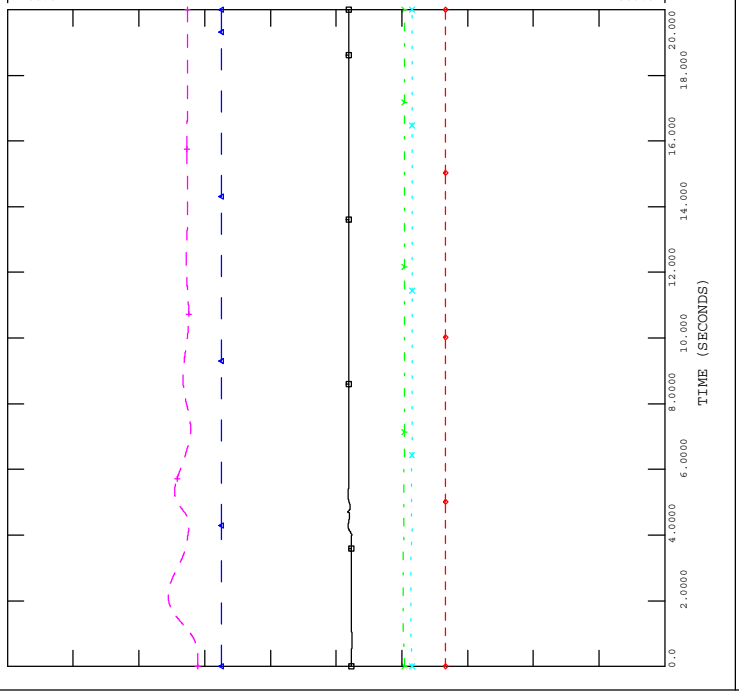
GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Whitby Lake 819S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']



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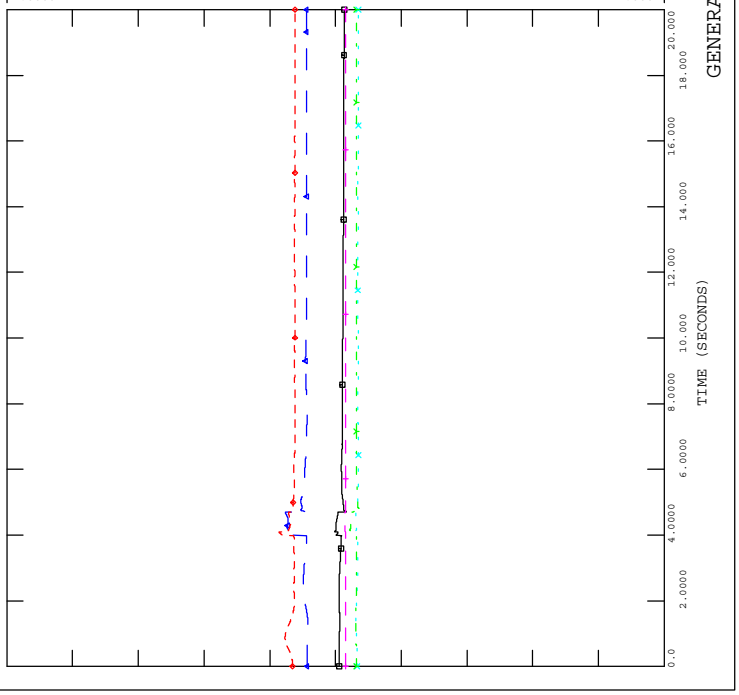
LINE POWER

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Whitby Lake 819S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



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GENERATOR REACTIVE POWER

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Vegreville 709S.out

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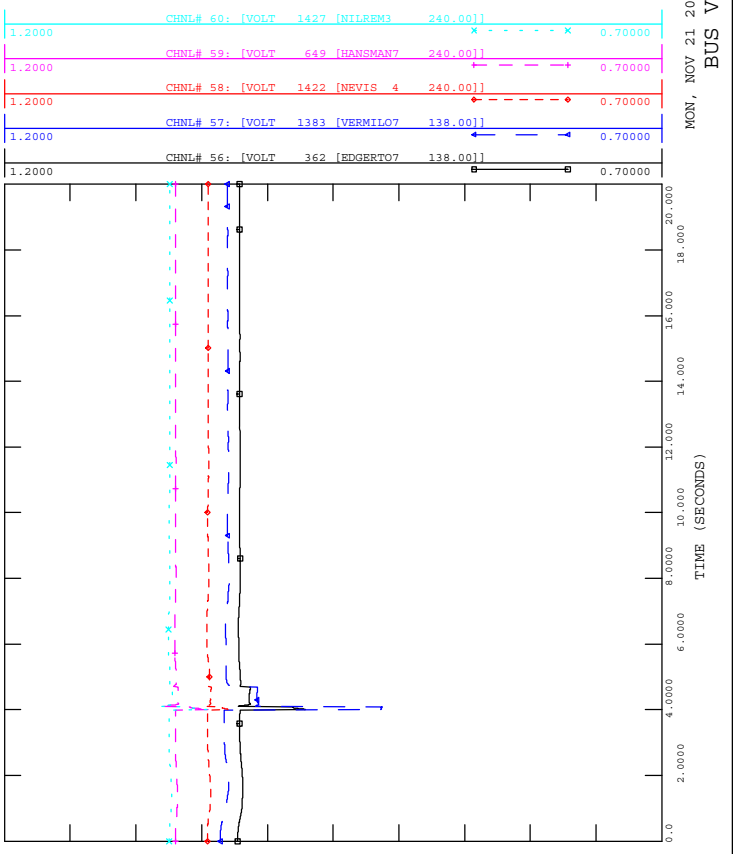
BUS VOLTAGE

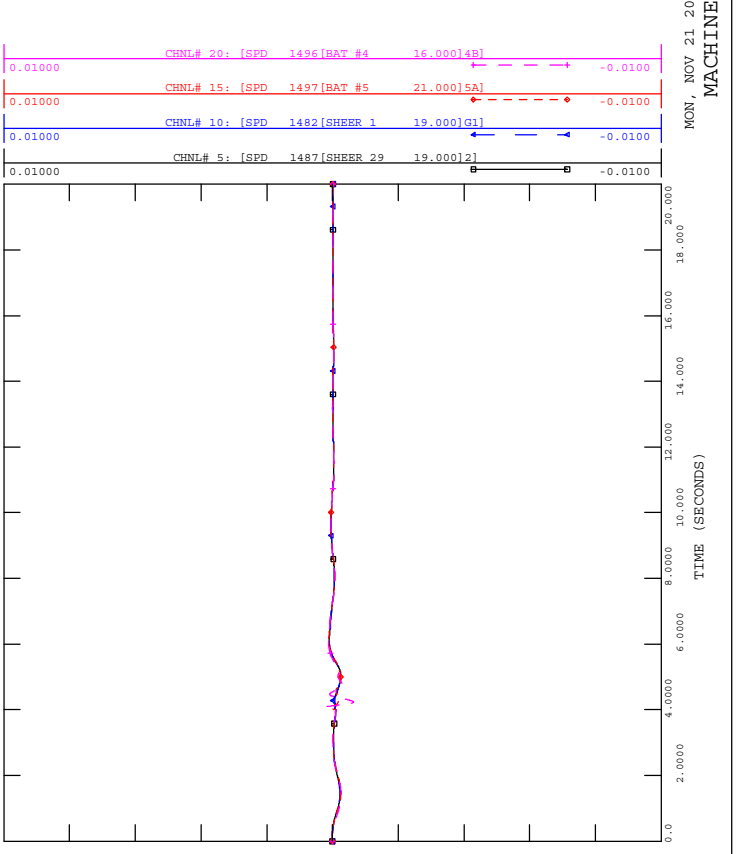


NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Vegreville 709S.out

MON, NOV 21 2016 12:53

MACHINE SPEED



NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Vegreville 709S.out

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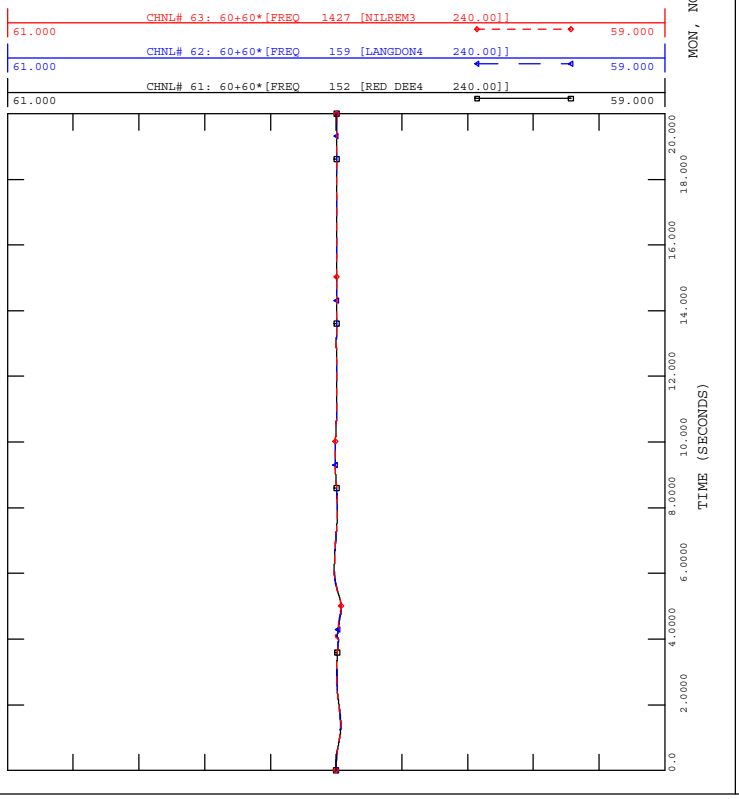
FREQUENCY

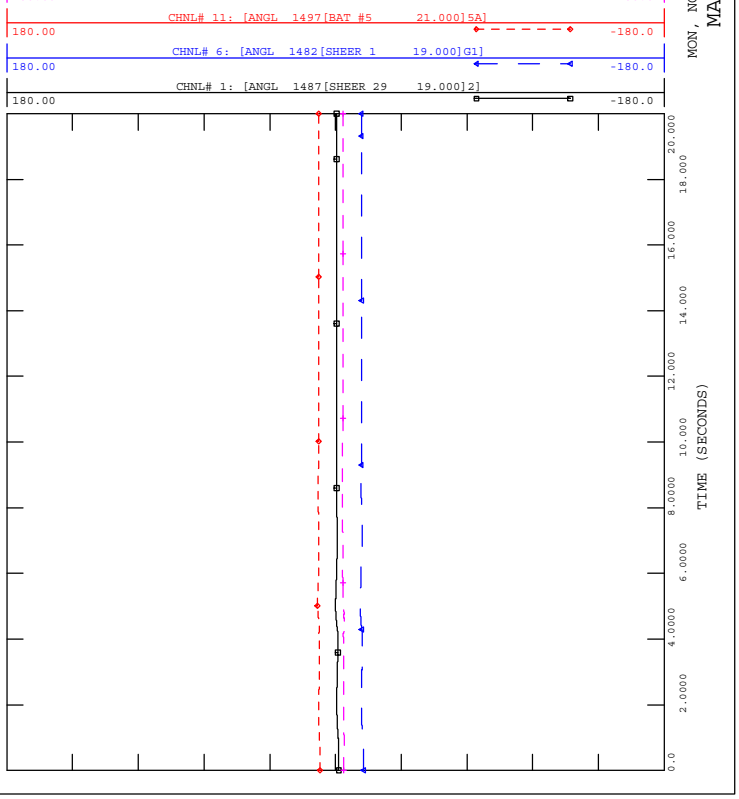


NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Vegreville 709S.out

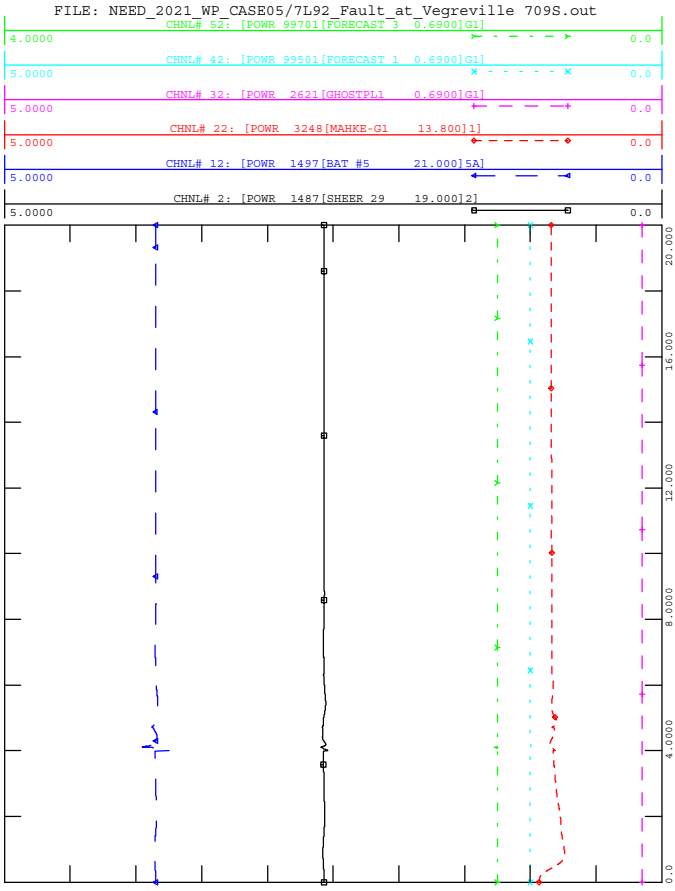
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

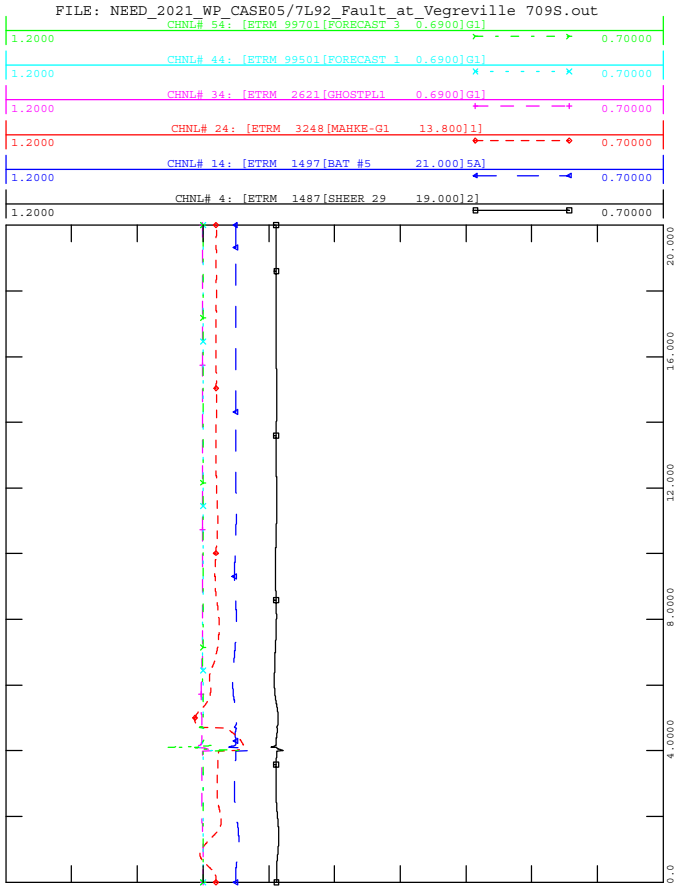
FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

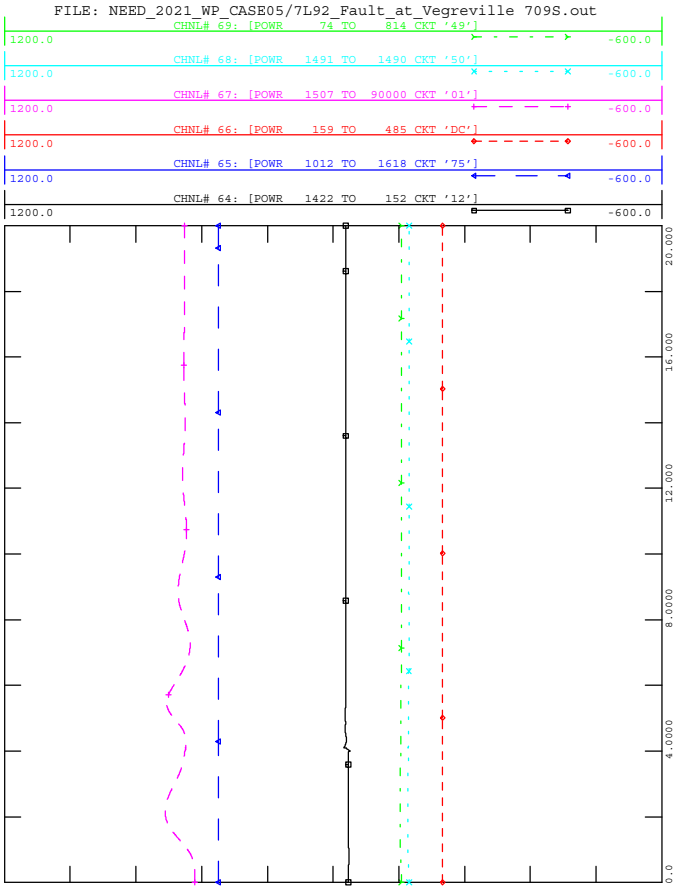
FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Vegreville 709S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Vegreville 709S.out



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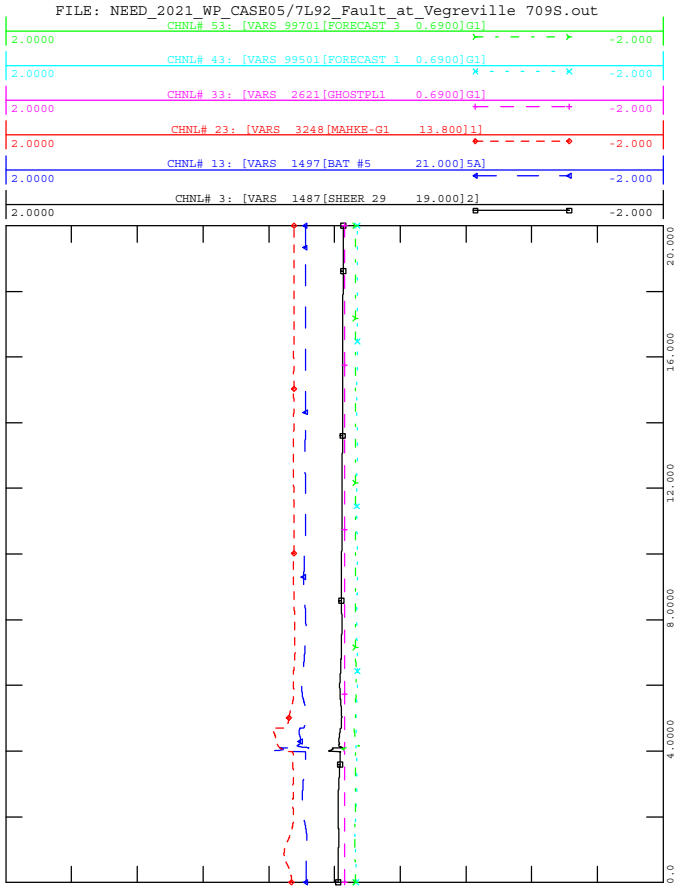
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: NEED_2021_WP_CASE05/7L92_Fault_at_Vegreville 709S.out



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GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out

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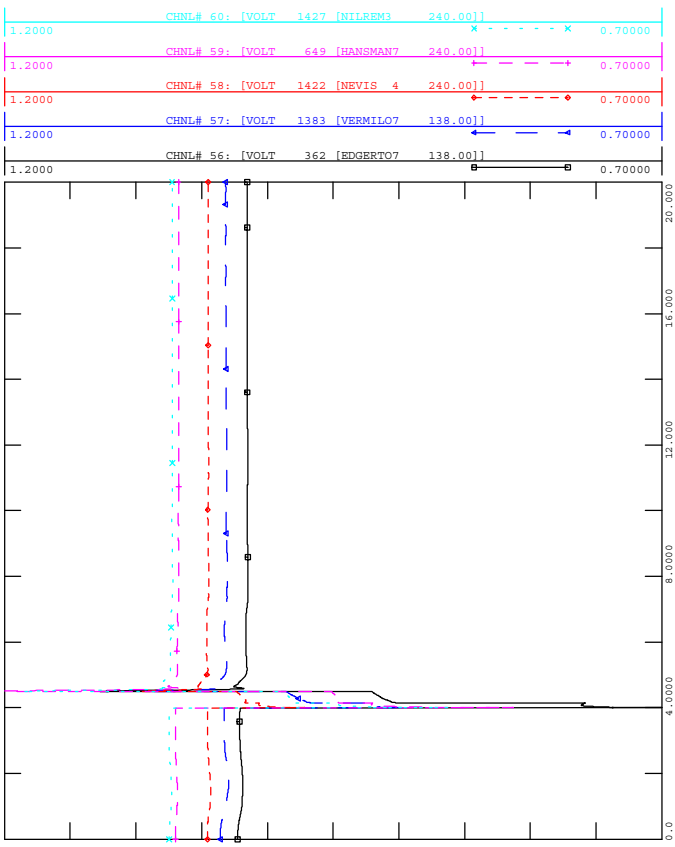
BUS VOLTAGE



NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out

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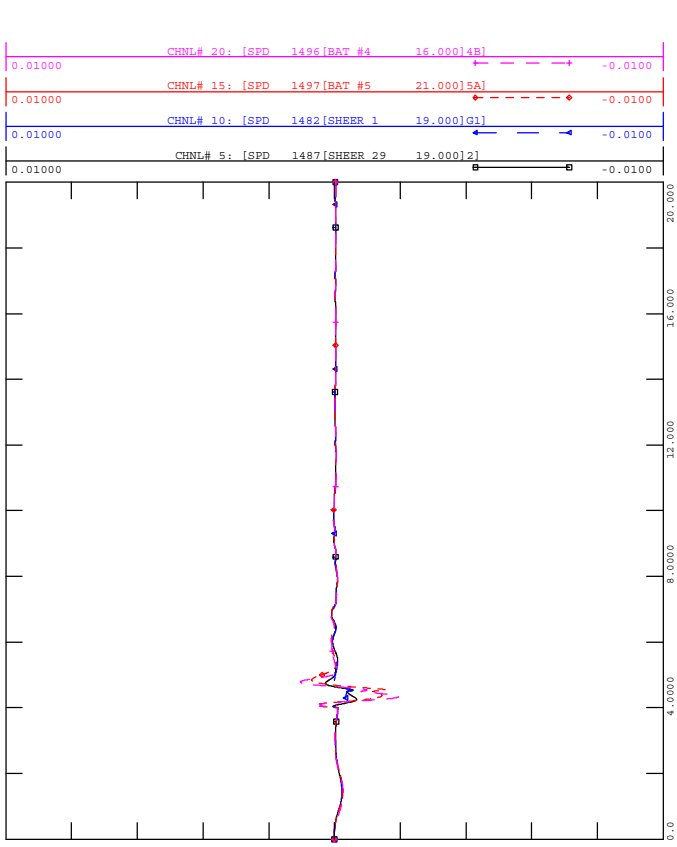
MACHINE SPEED



NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out

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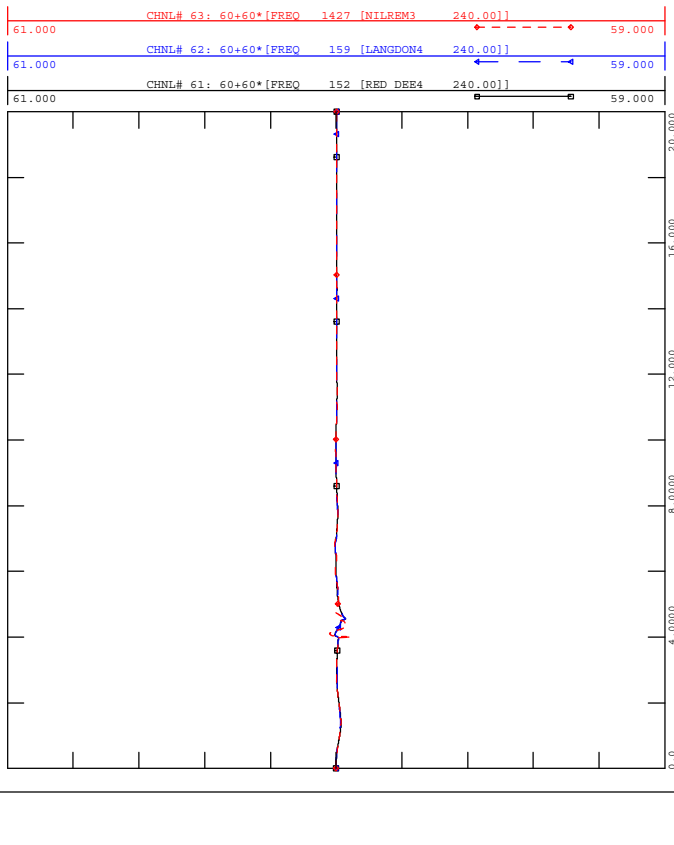
FREQUENCY

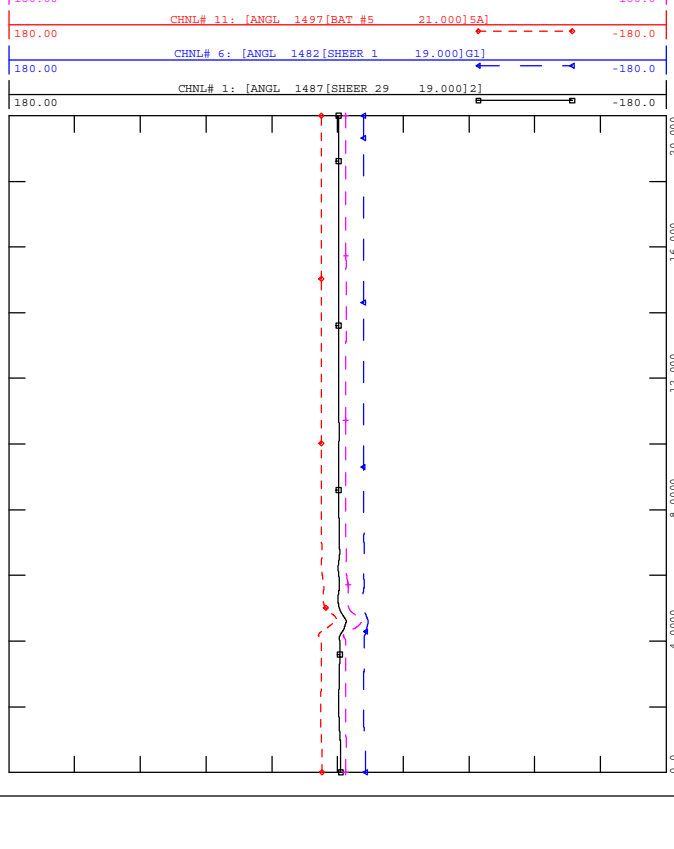


NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out

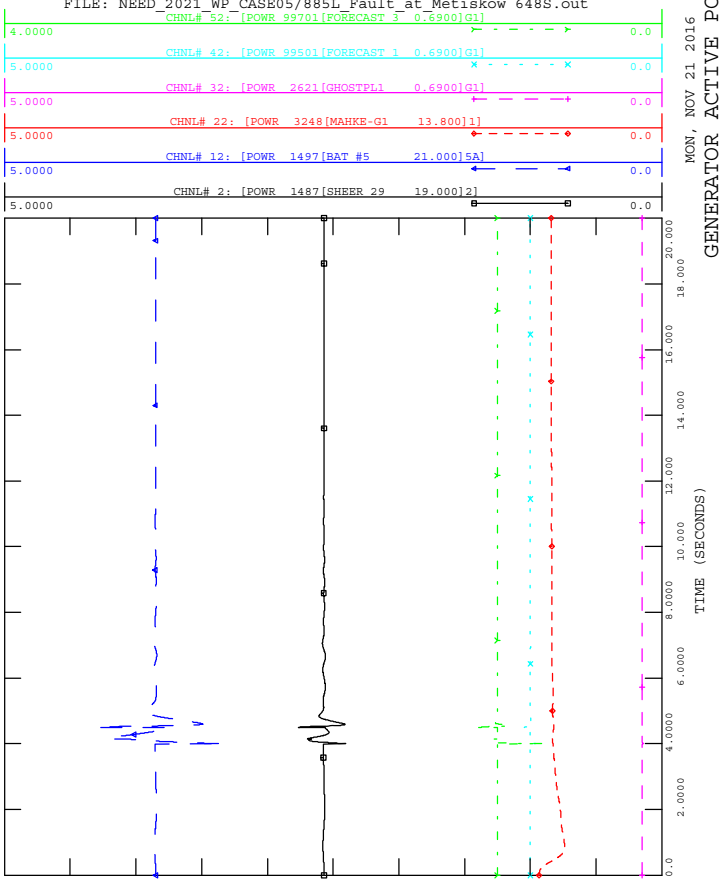
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_METISKOW 648S

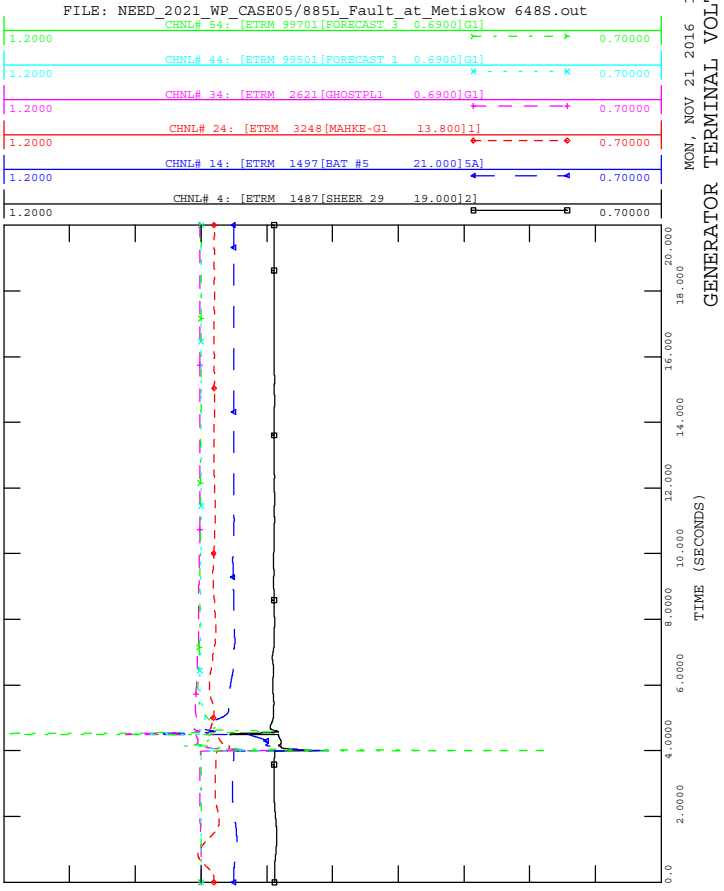
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_METISKOW 648S

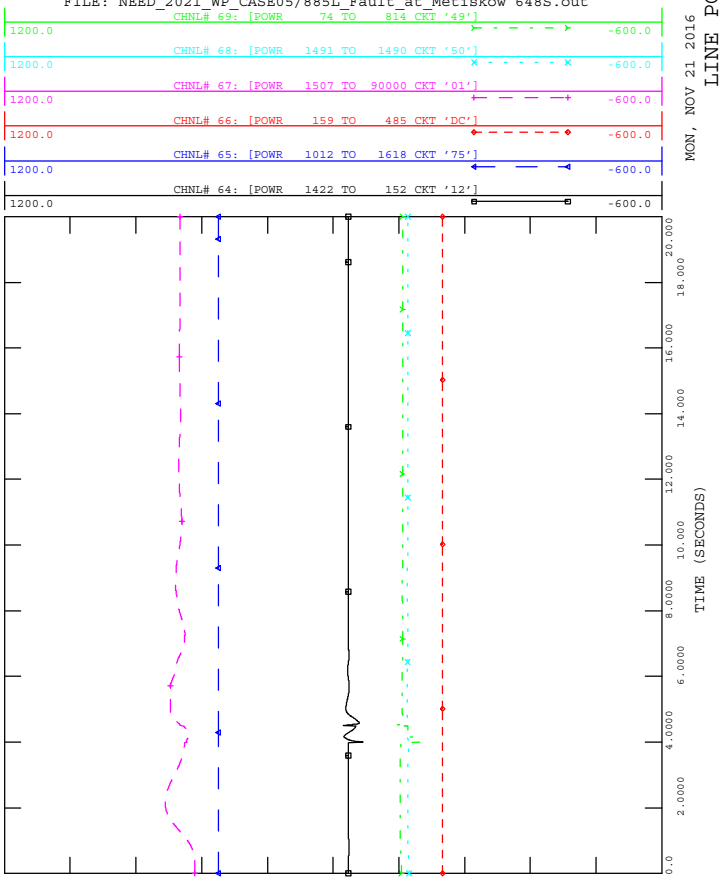
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_METISKOW 648S

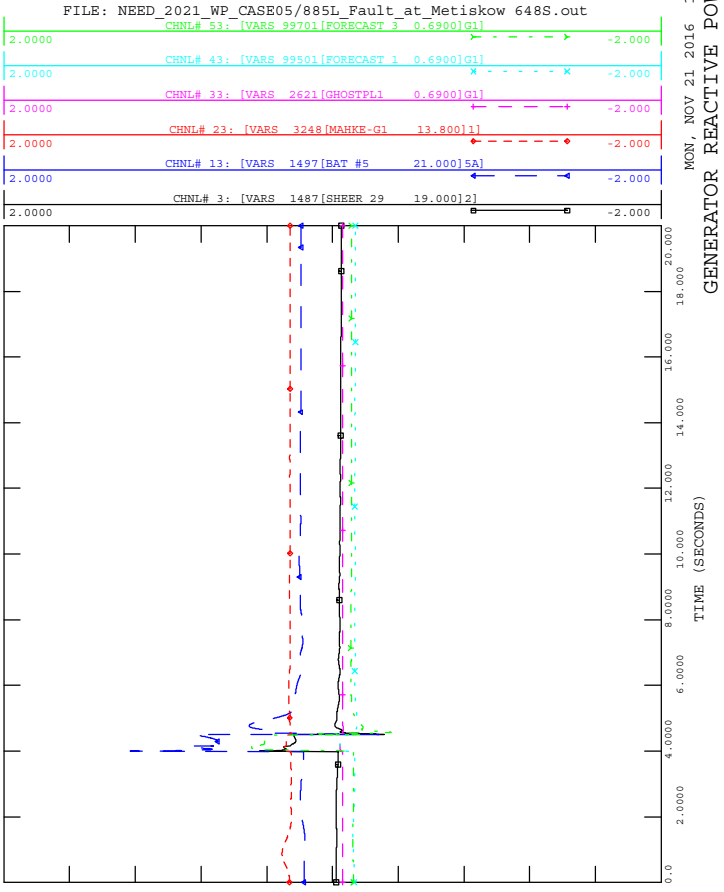
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Metiskow 648S.out



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GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out

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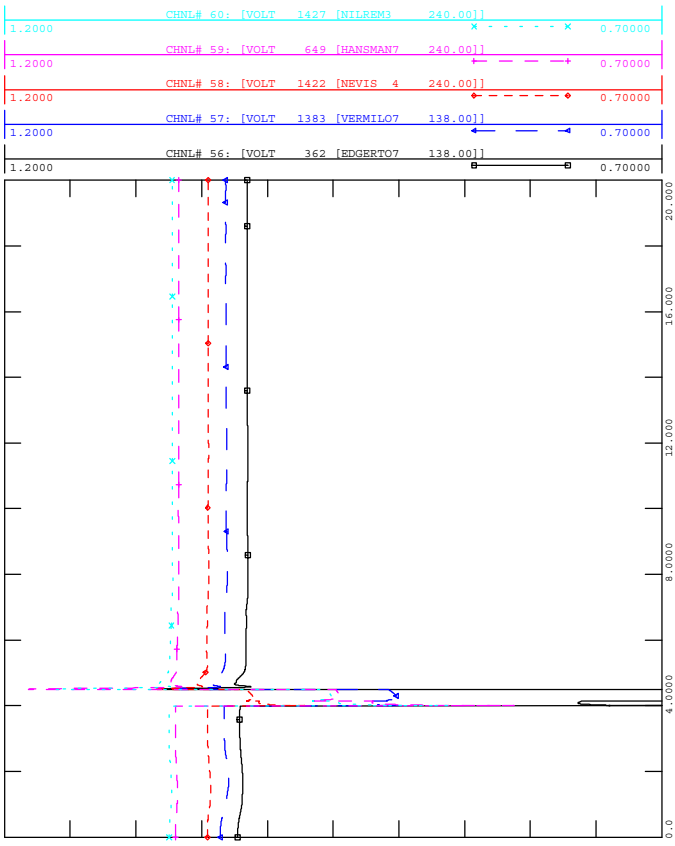
BUS VOLTAGE



NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out

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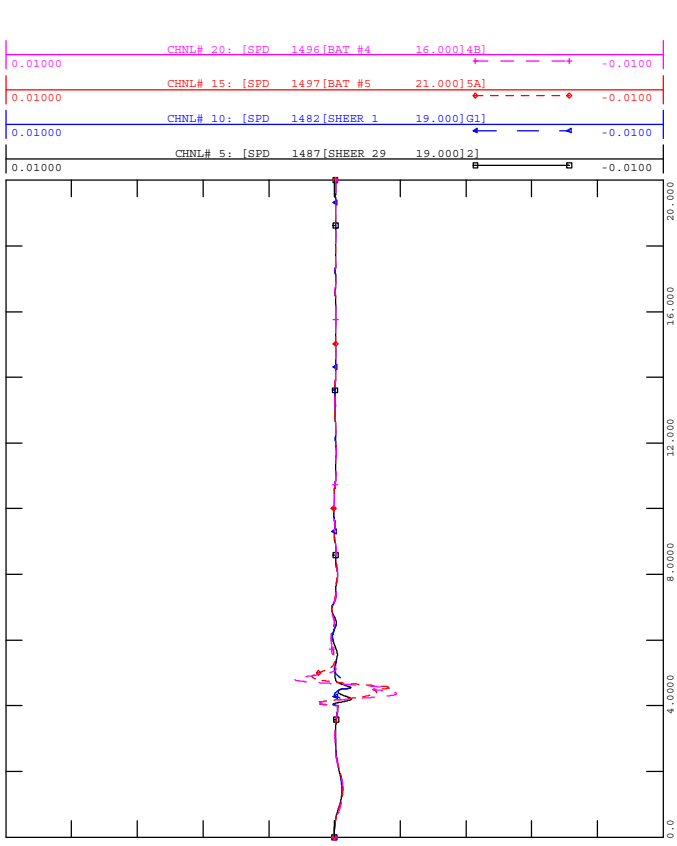
MACHINE SPEED



NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out

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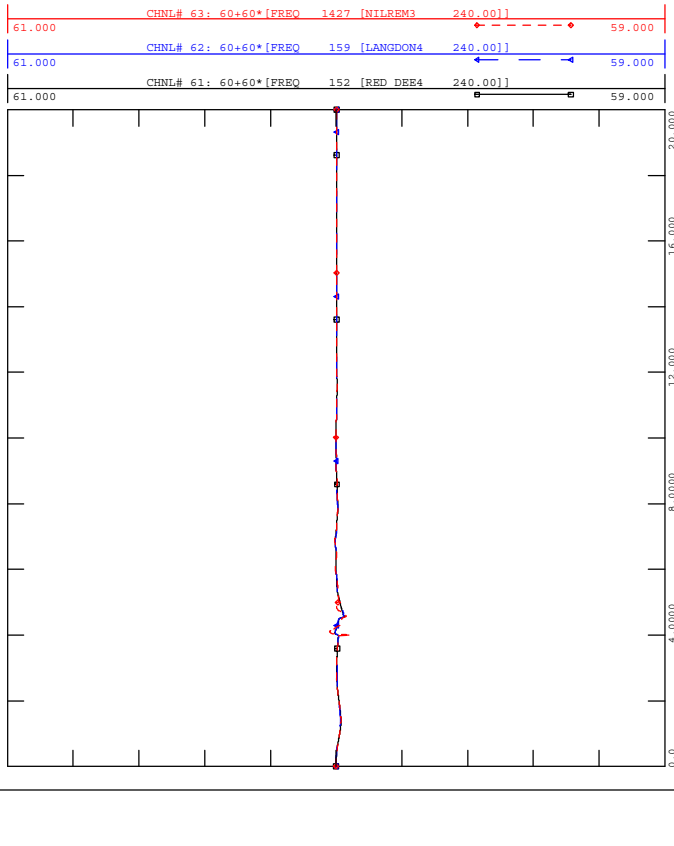
FREQUENCY

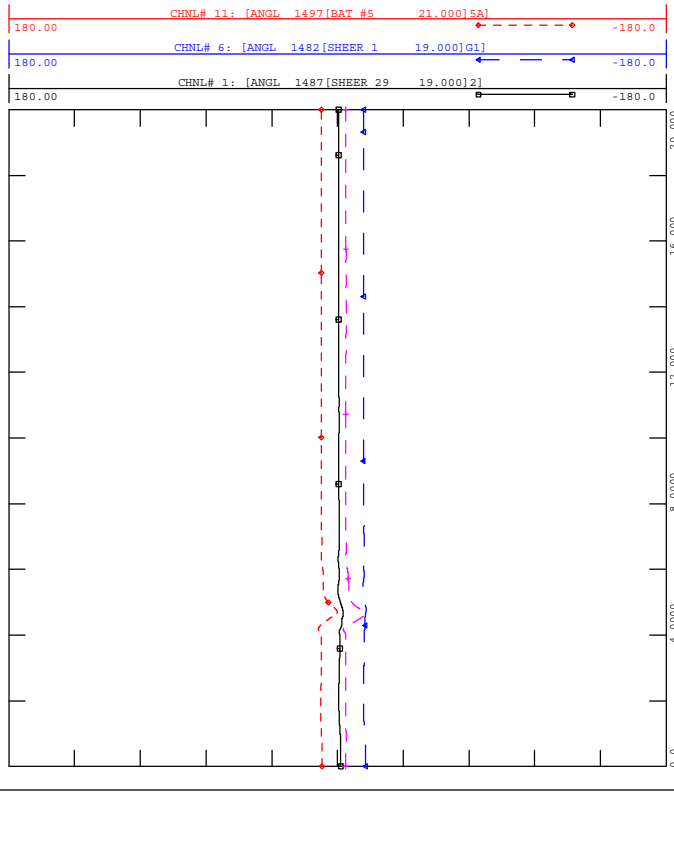


NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out

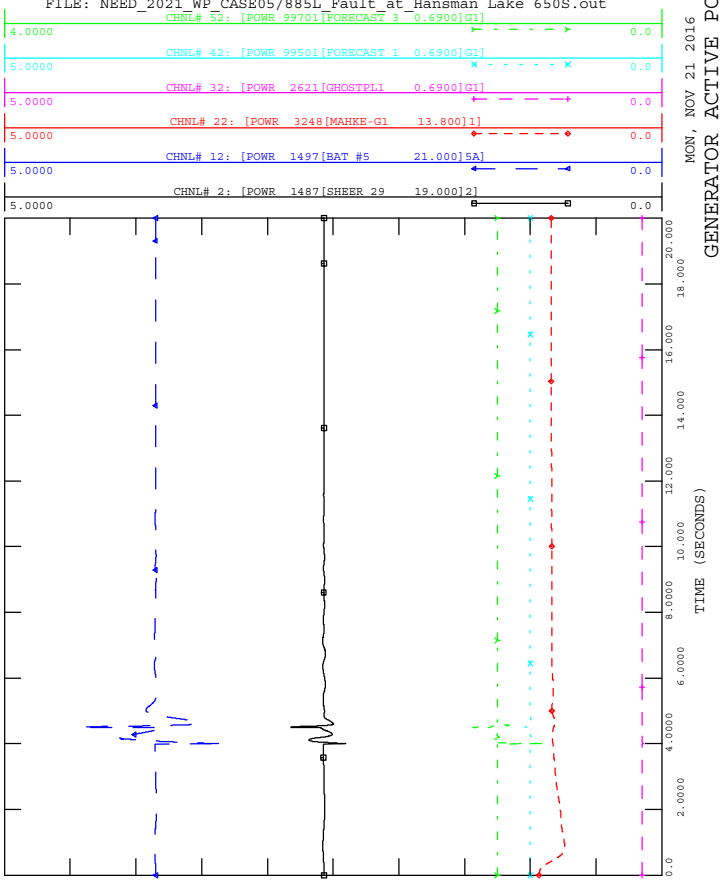
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

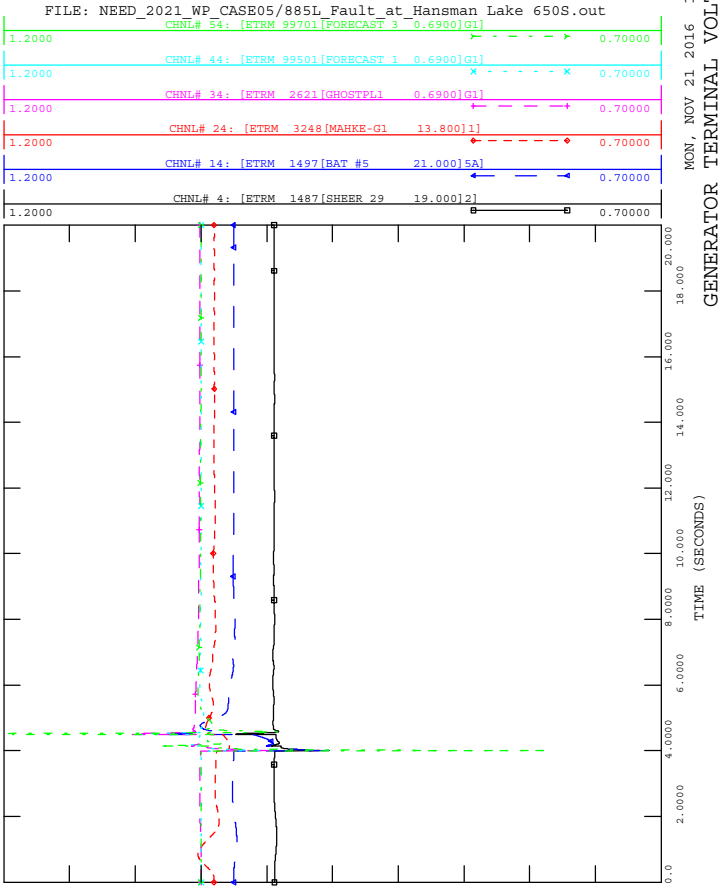
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

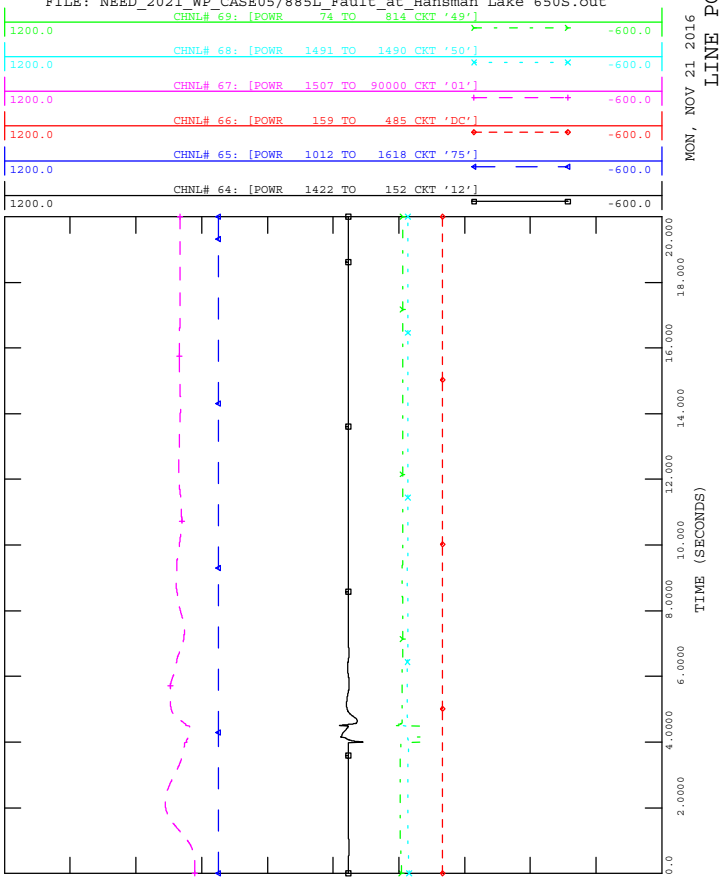
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

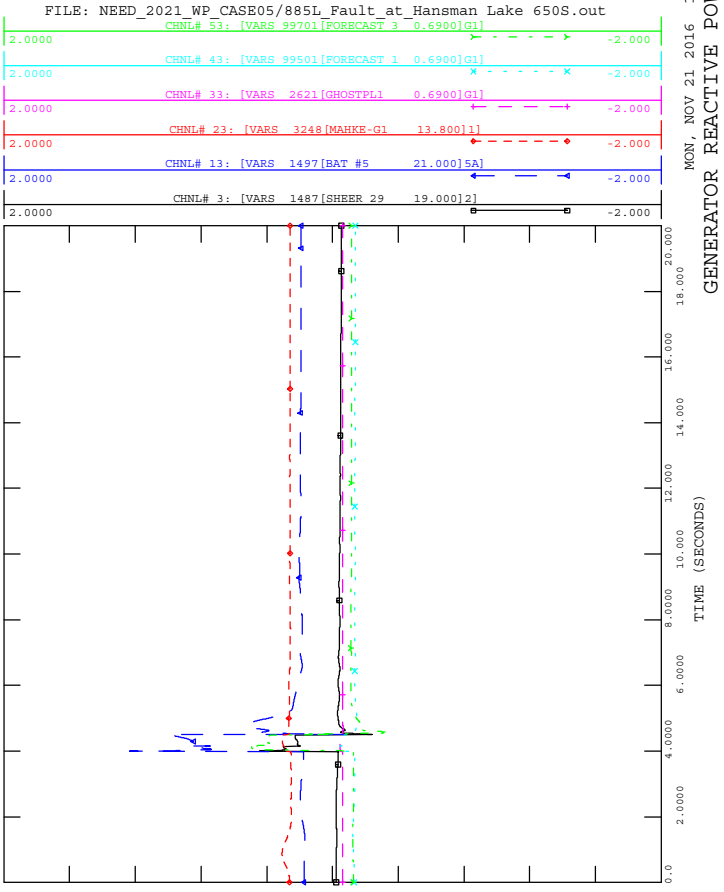
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out



LINE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -885L_FAULT_AT_HANSMAN LAKE 650S

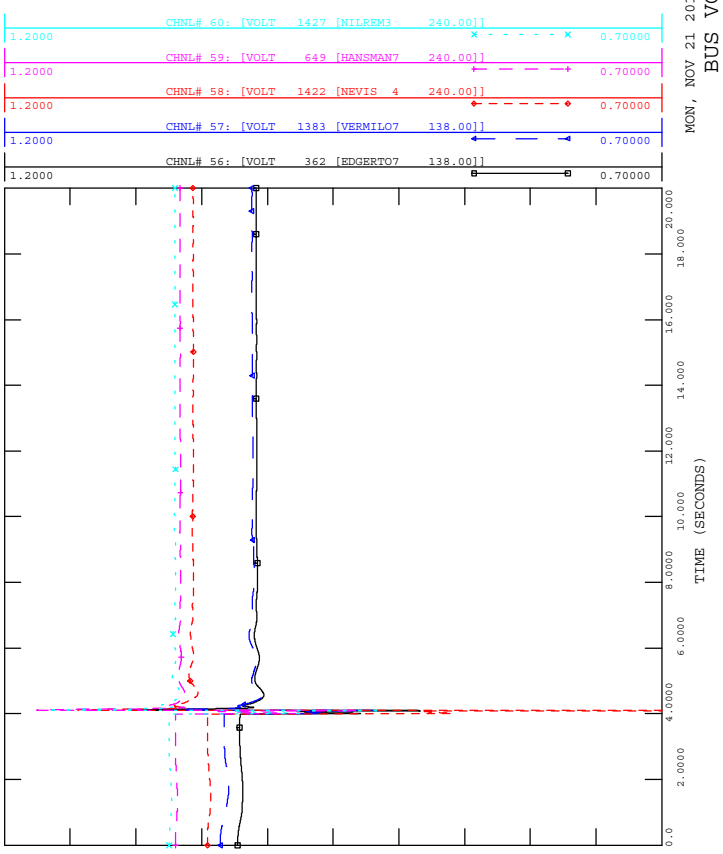
FILE: NEED_2021_WP_CASE05/885L_Fault_at_Hansman Lake 650S.out



GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_NEVIS 766S

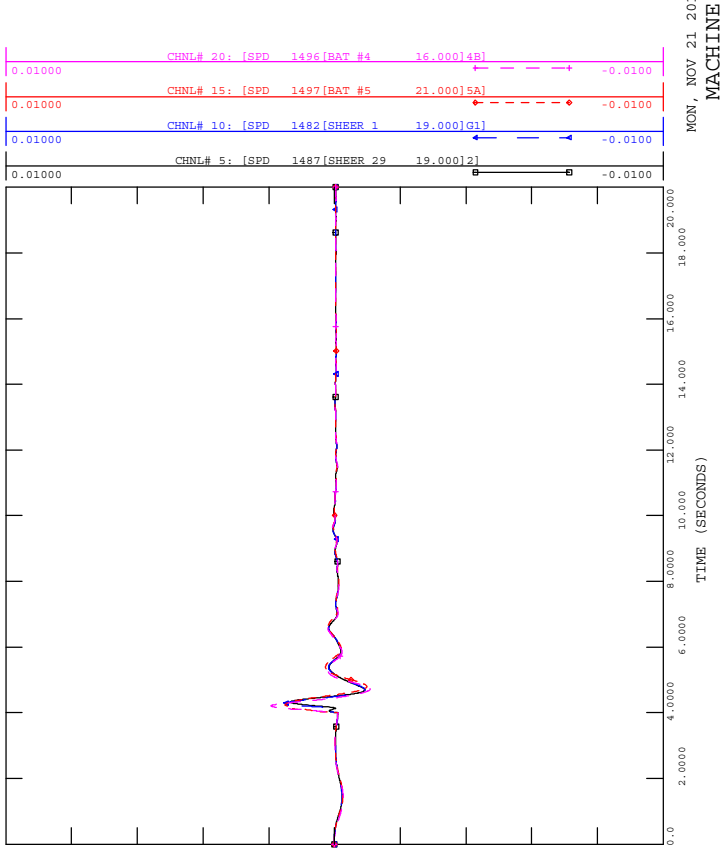
FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out



MON, NOV 21 2016 12:53
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_NEVIS 766S

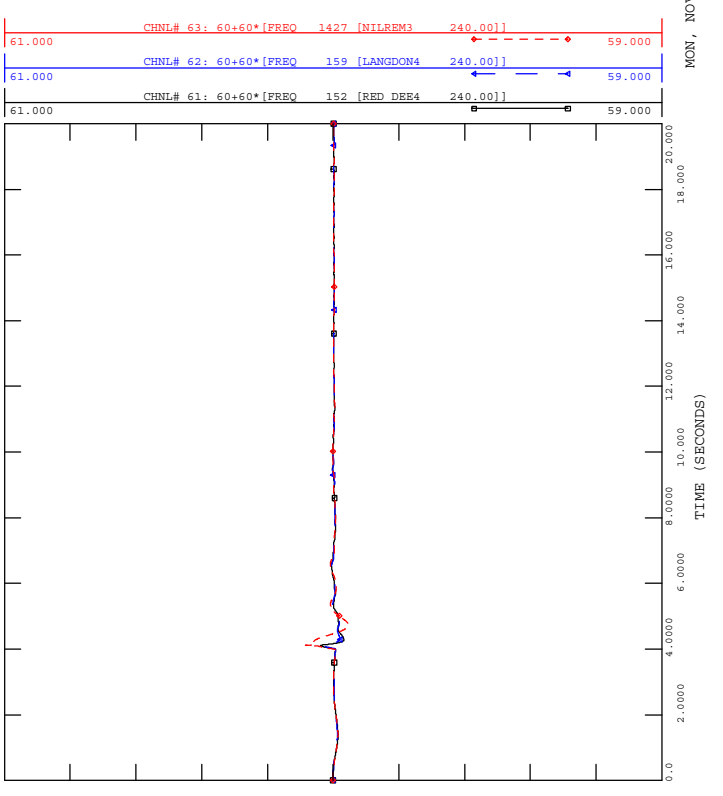
FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out



MON, NOV 21 2016 12:53
MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_NEVIS 766S

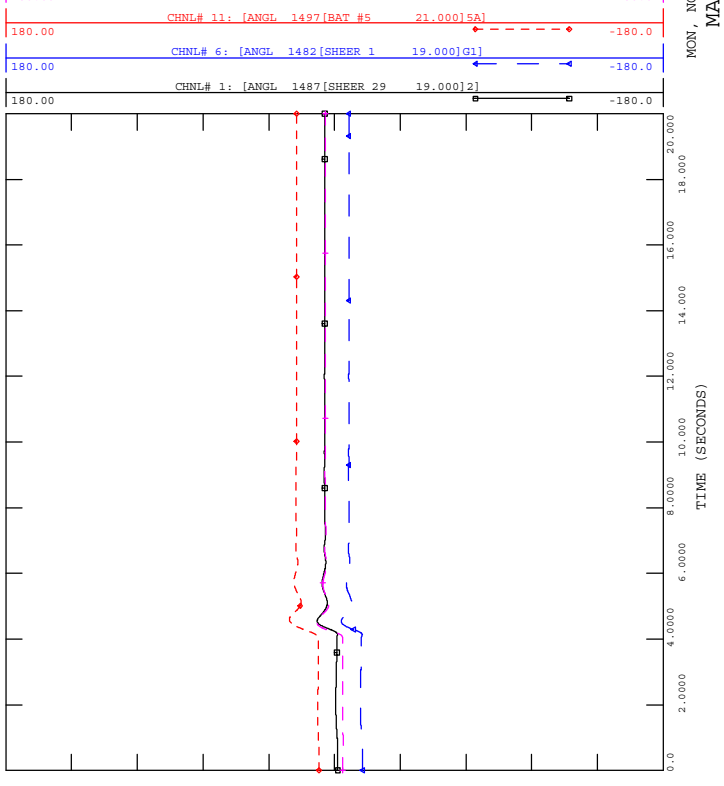
FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out



MON, NOV 21 2016 12:53
FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_NEVIS 766S

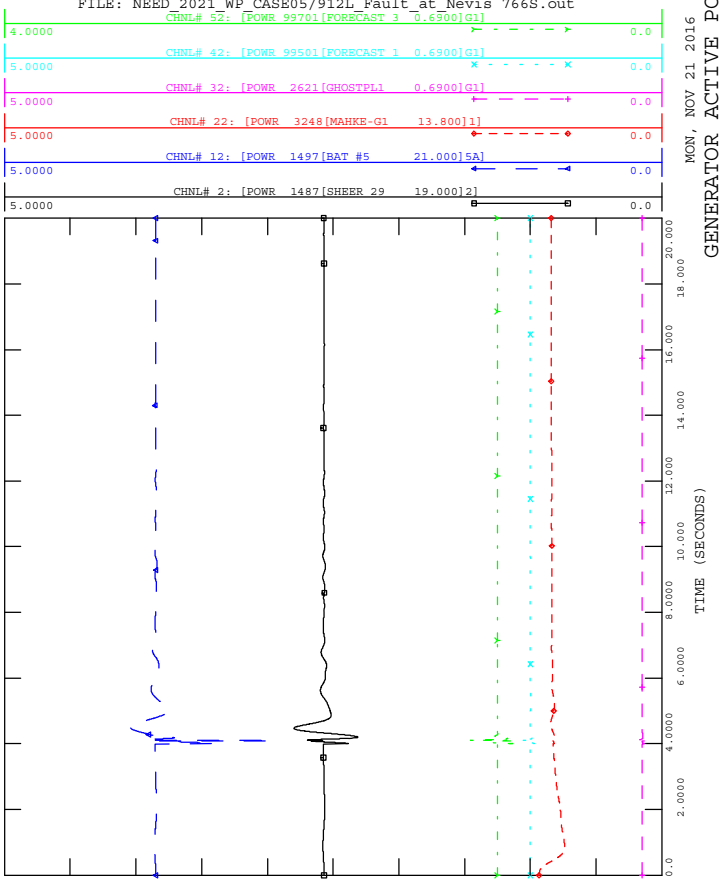
FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out



MON, NOV 21 2016 12:53
MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_NEVIS 766S

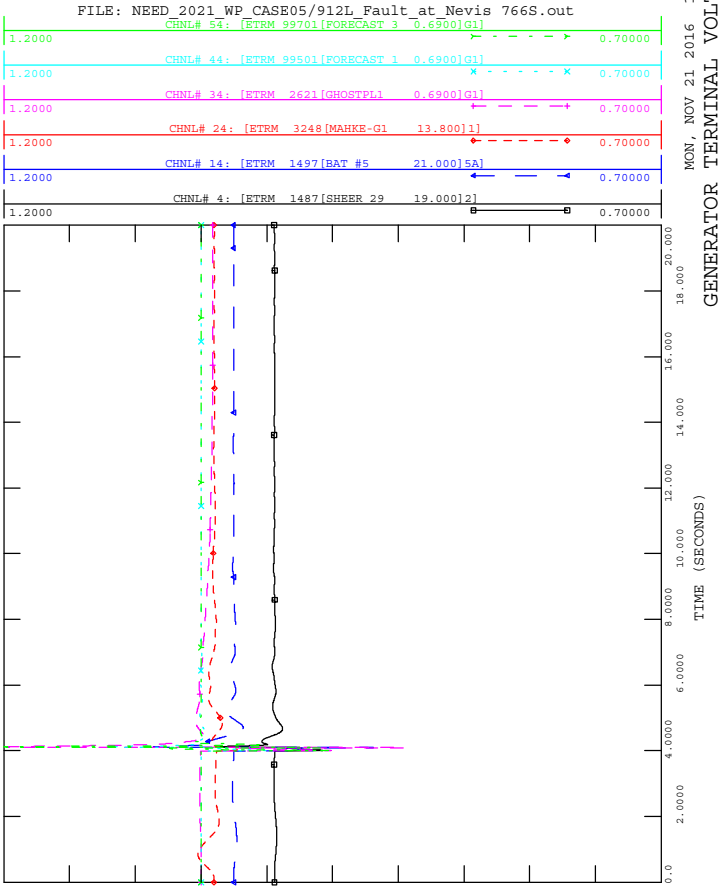
FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_NEVIS 766S

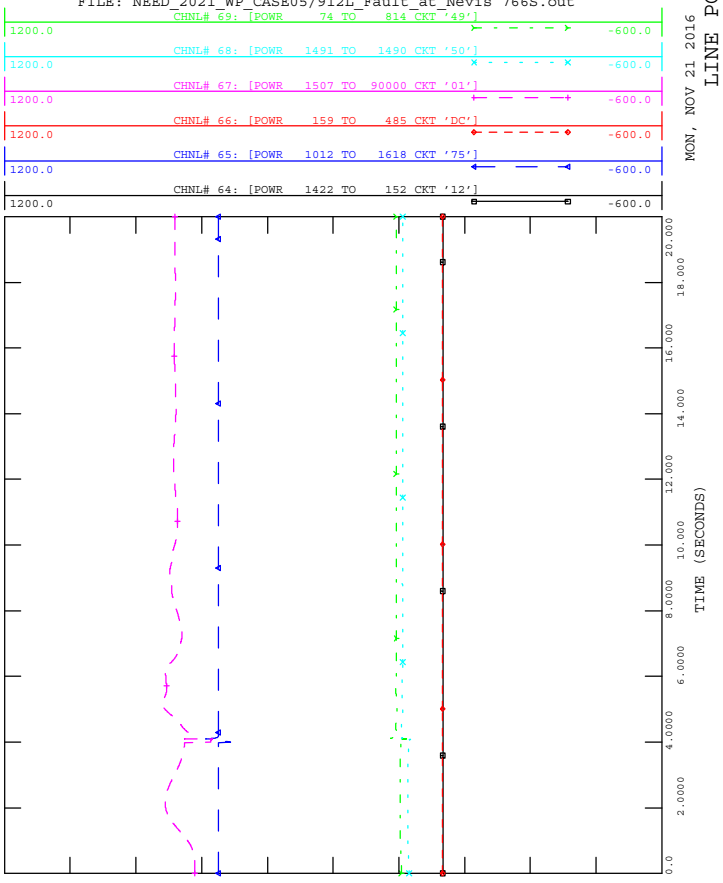
FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_NEVIS 766S

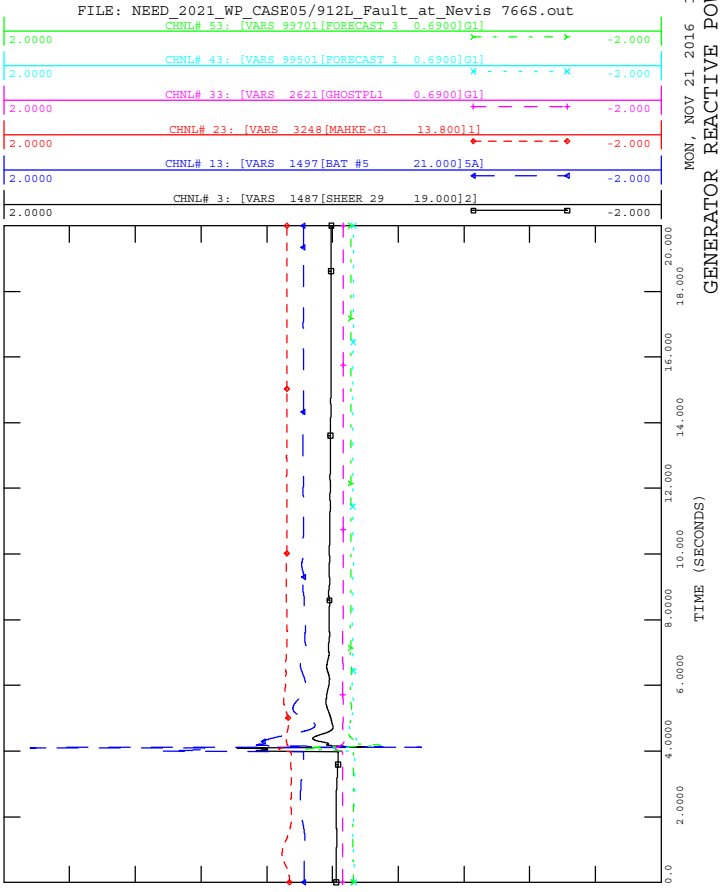
FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Nevis 766S.out



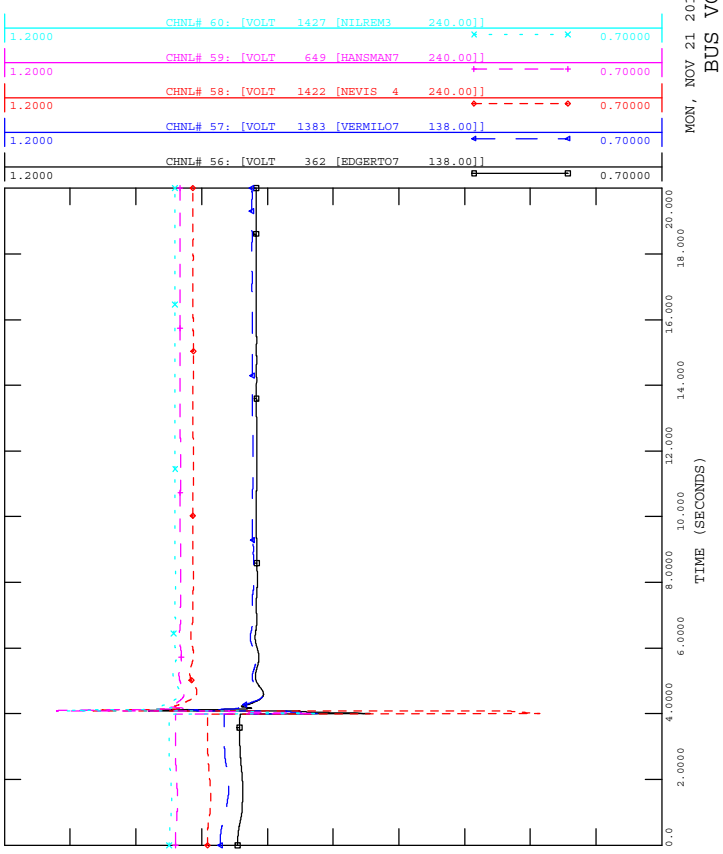
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

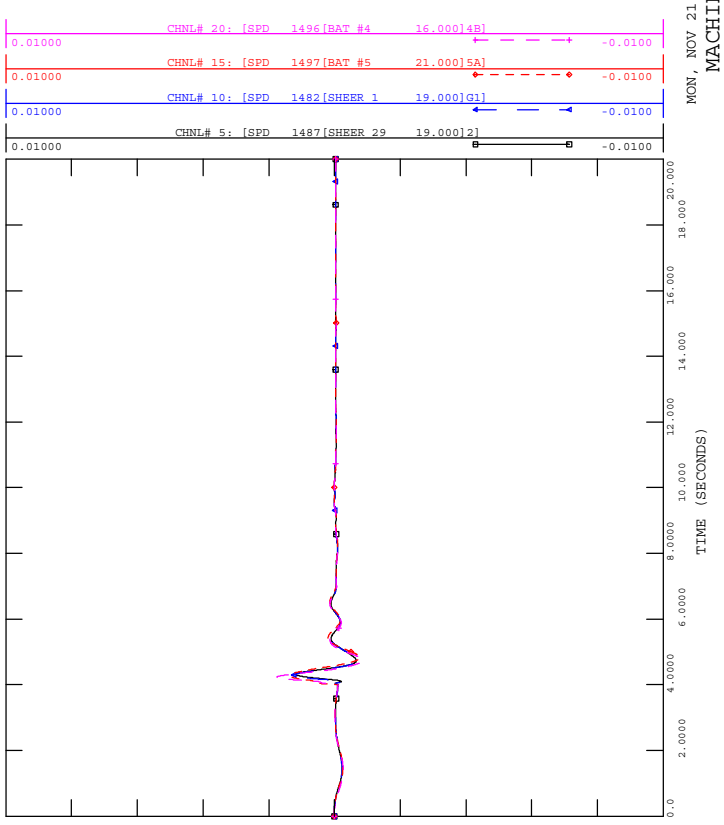


NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out

MON, NOV 21 2016 12:53

MACHINE SPEED



NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_RED DEER 63S

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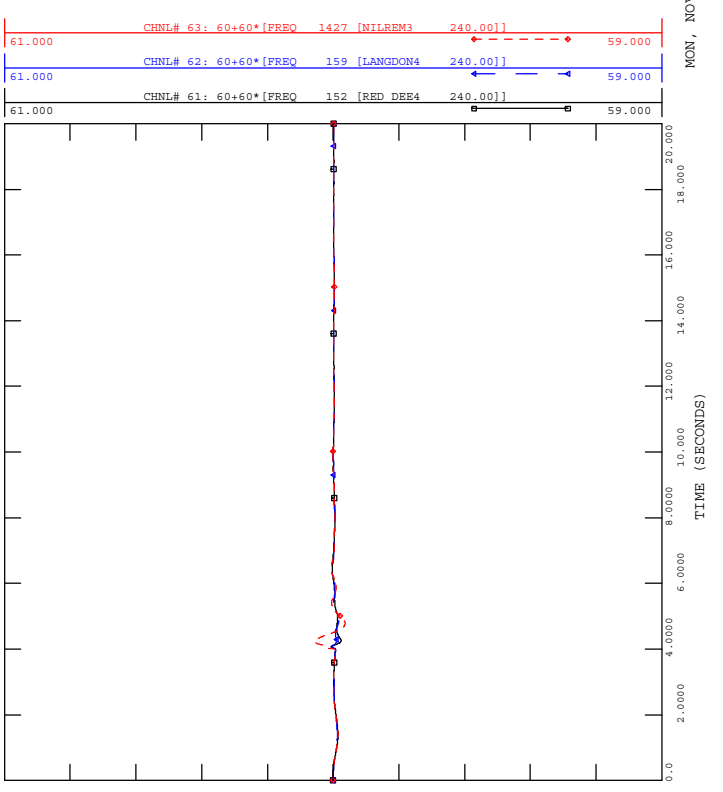
MON, NOV 21 2016 12:53

FREQUENCY

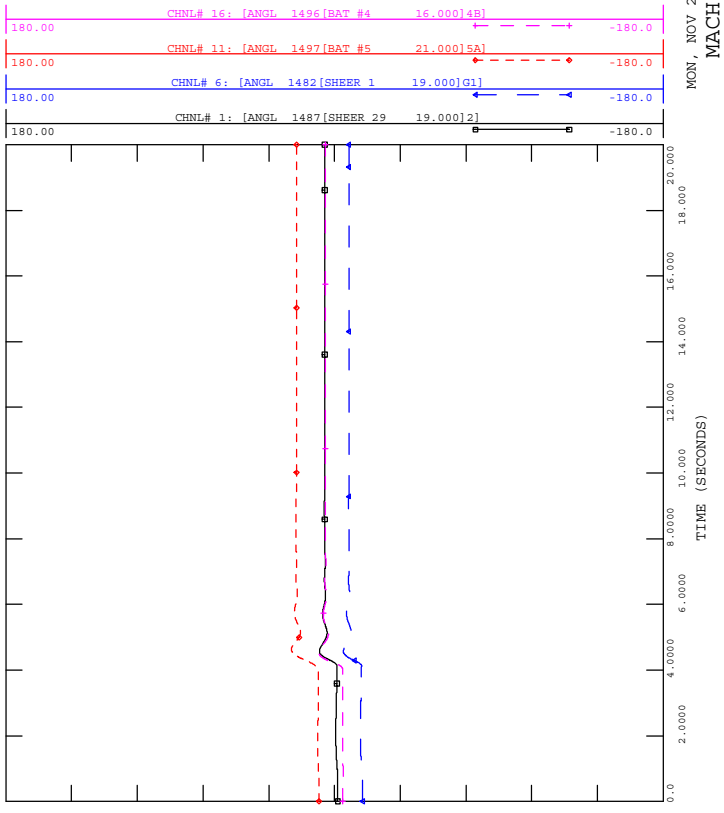


NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out

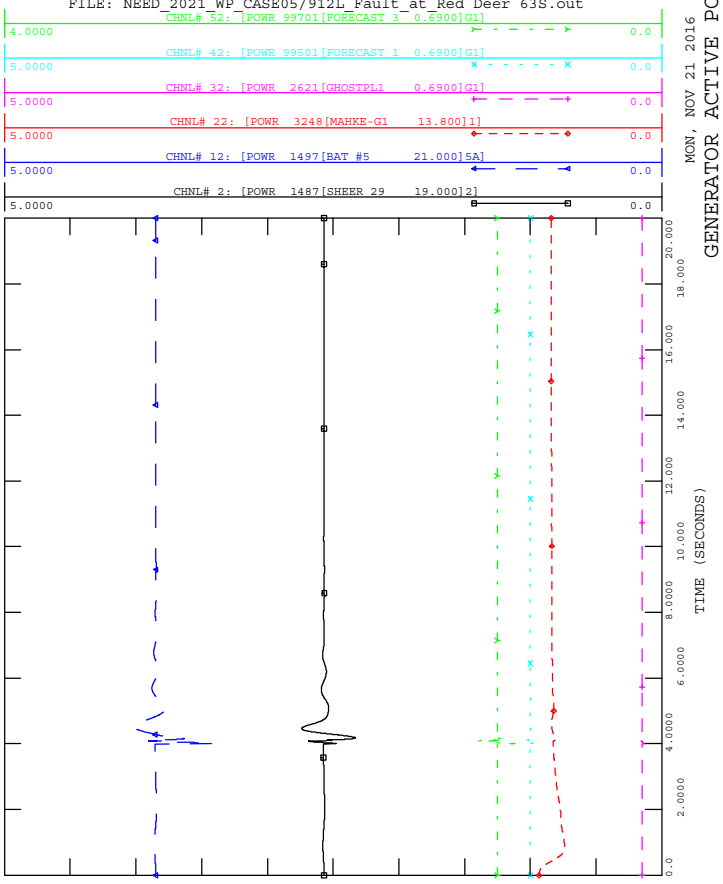
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_RED DEER 63S

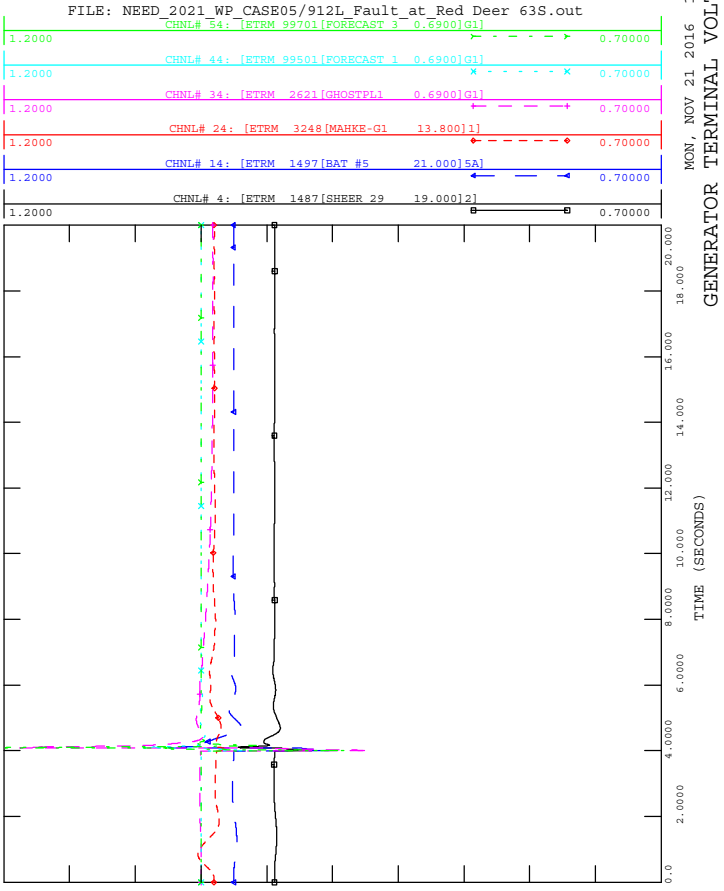
FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_RED DEER 63S

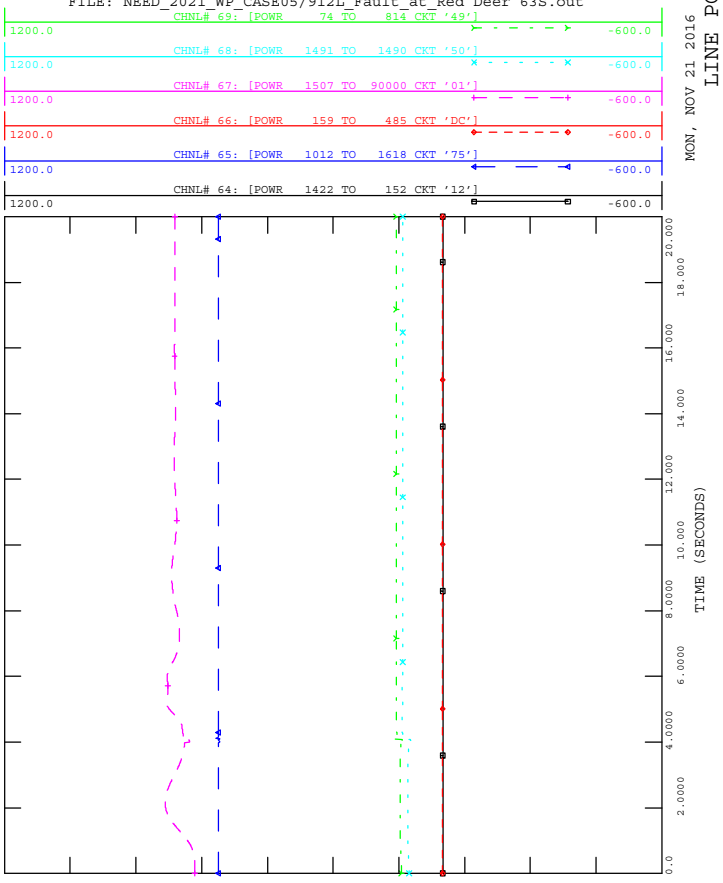
FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_RED DEER 63S

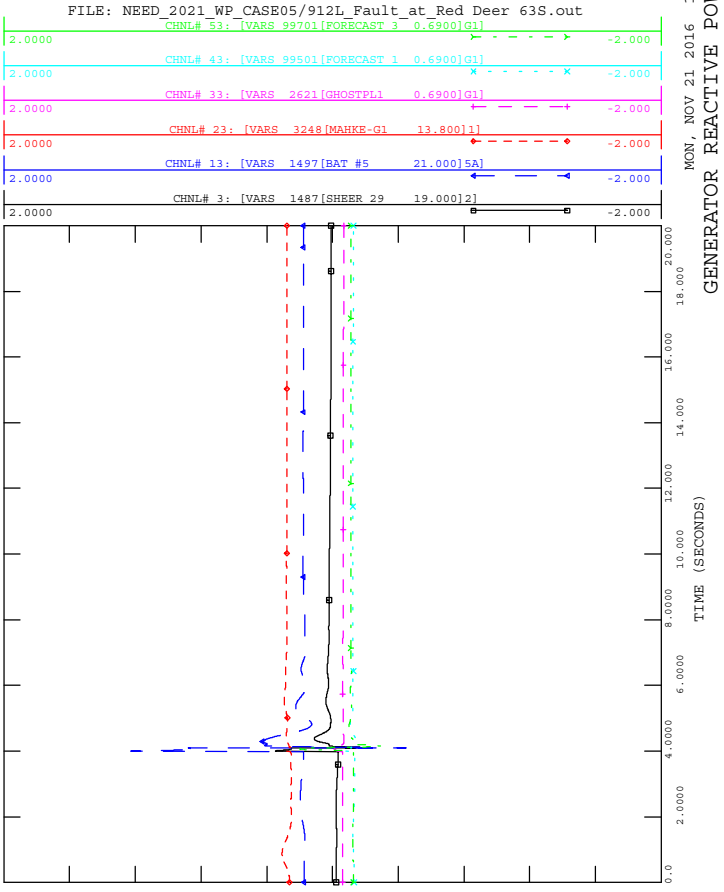
FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out



LINE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: NEED_2021_WP_CASE05/912L_Fault_at_Red Deer 63S.out



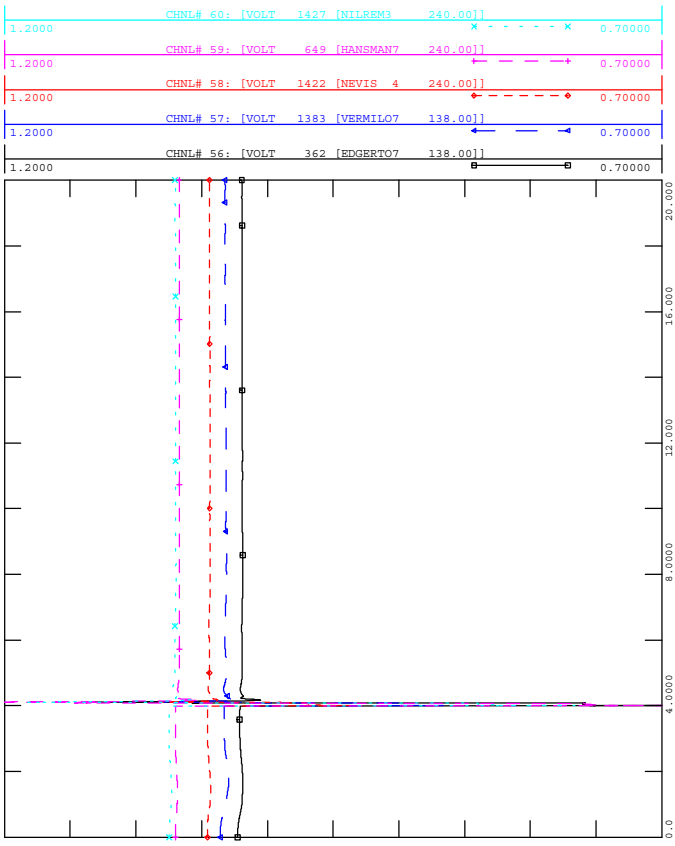
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

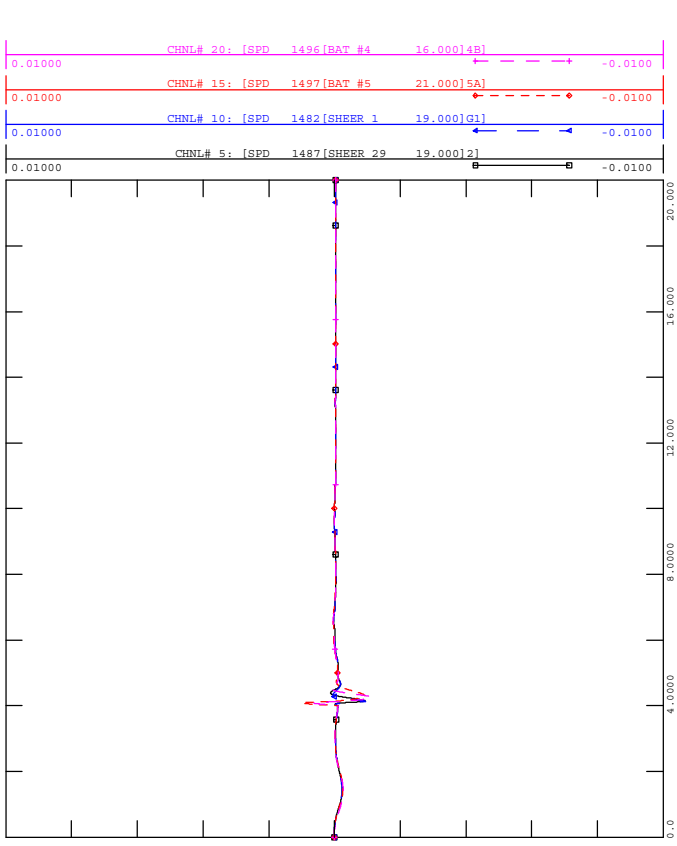


NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

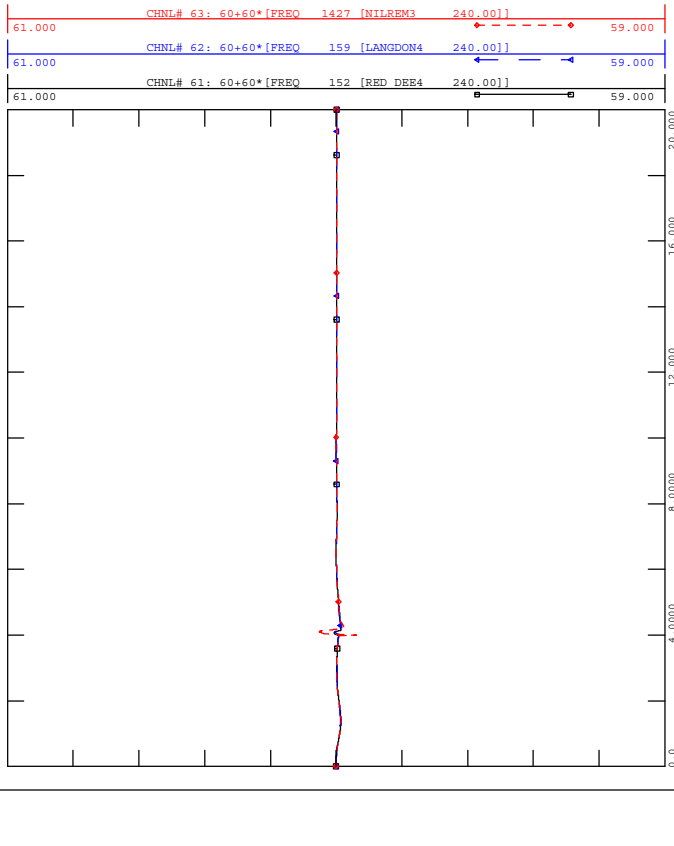


NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:53

FREQUENCY

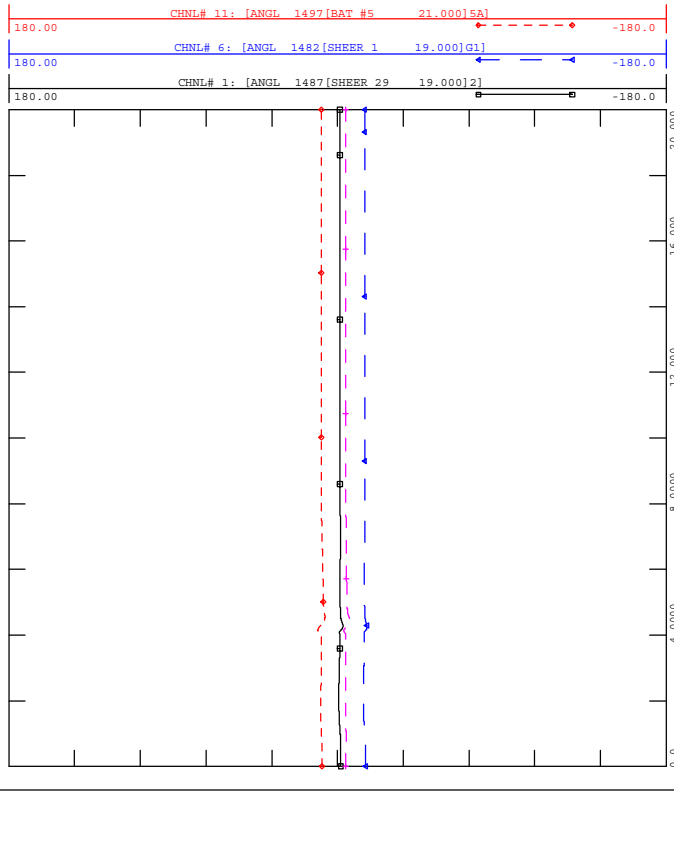


NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out

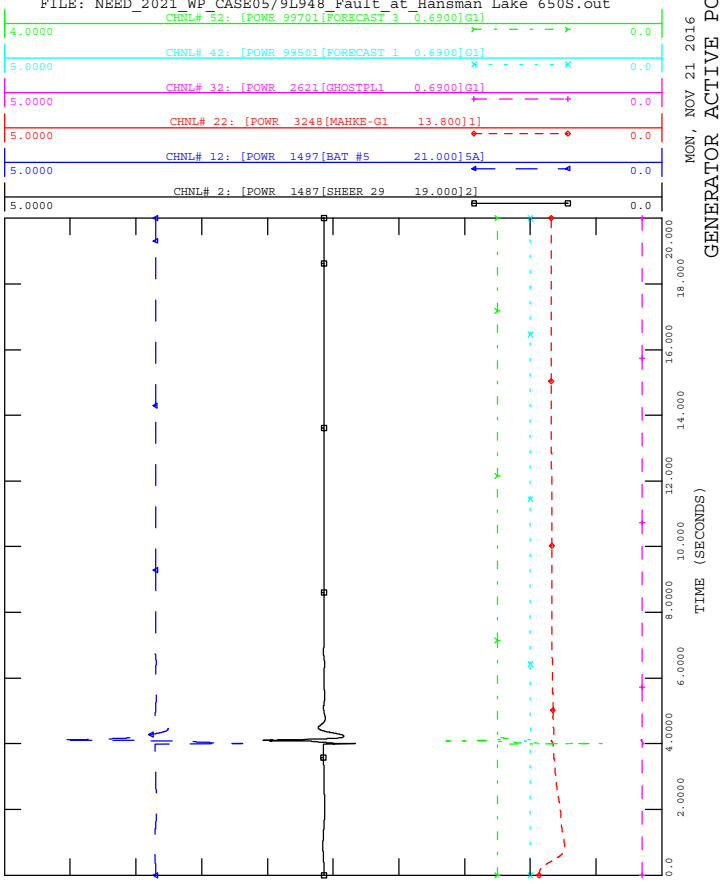
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

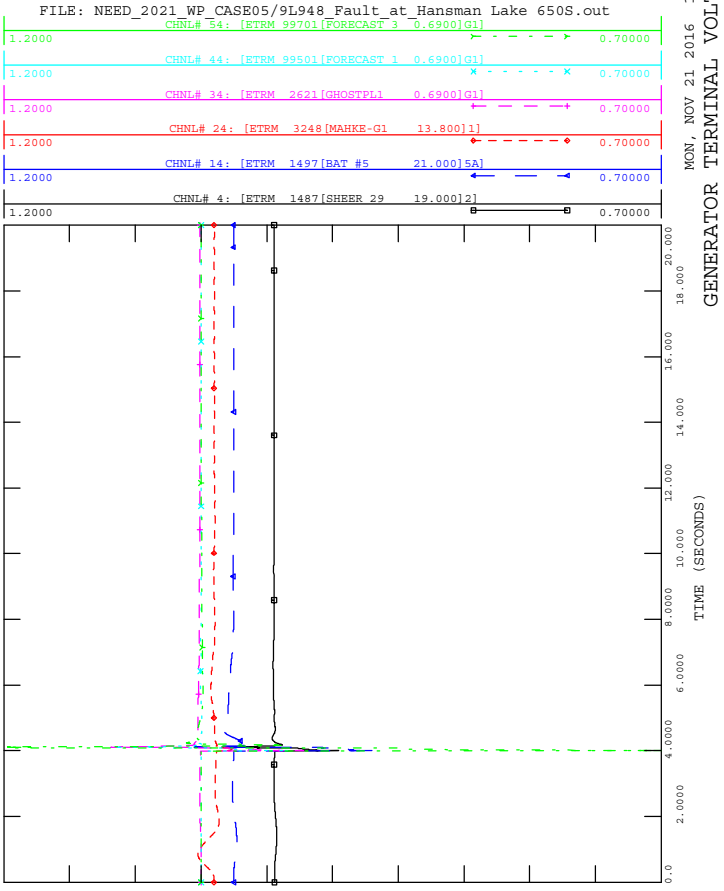
FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

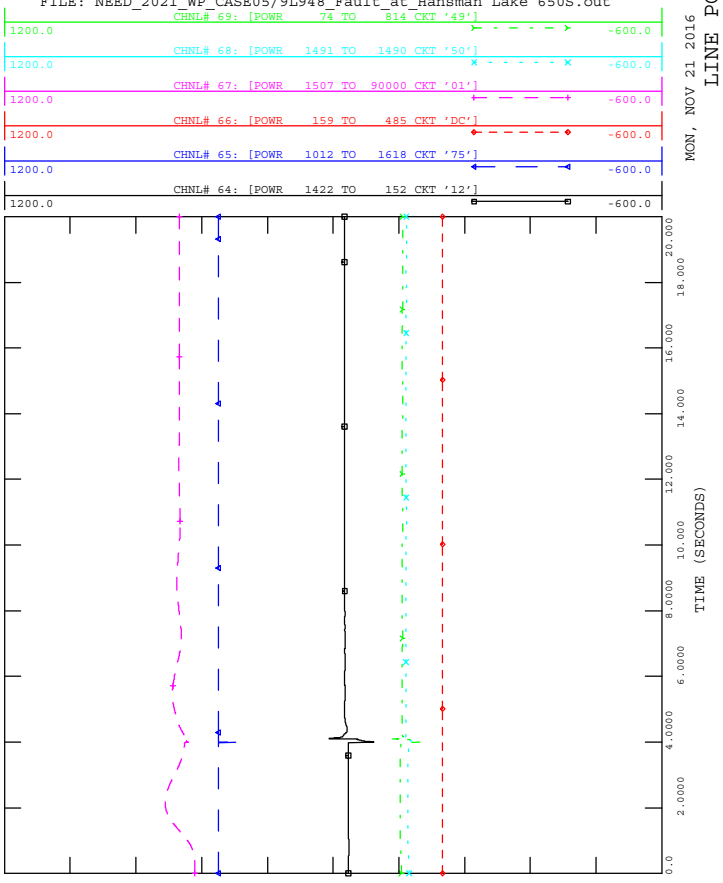
FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

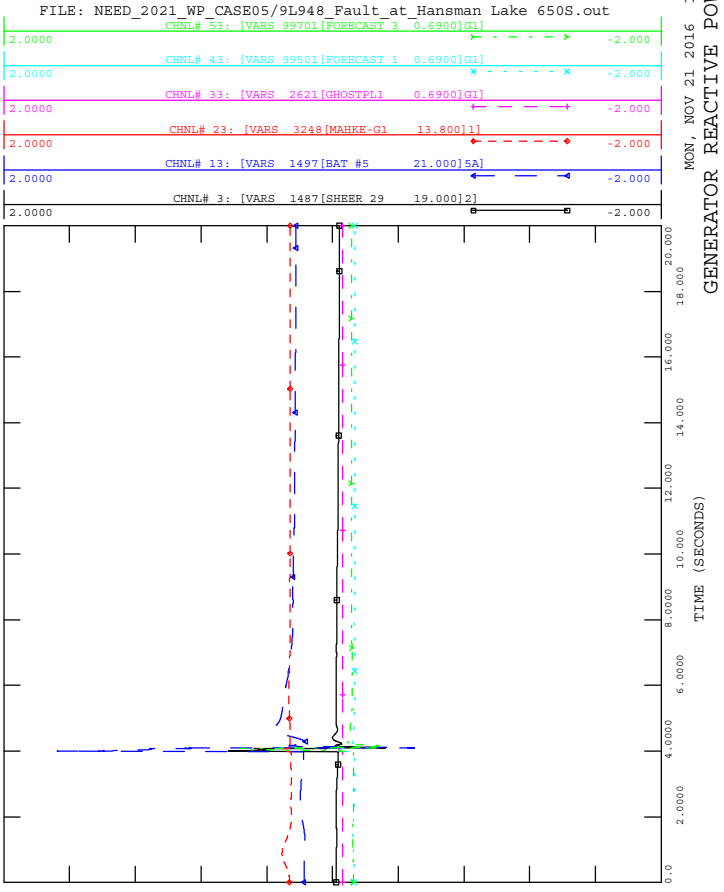
FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Hansman Lake 650S.out



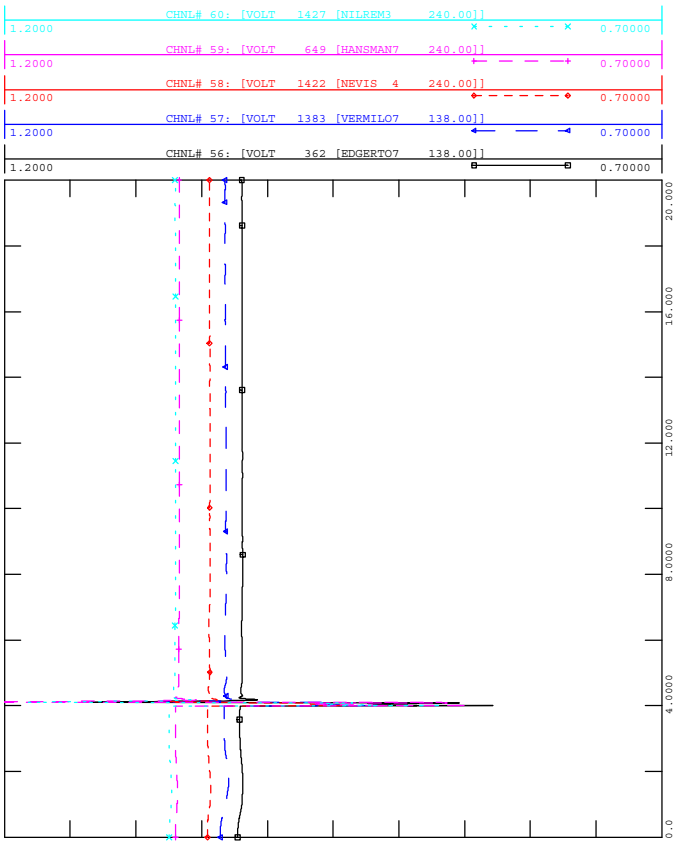
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

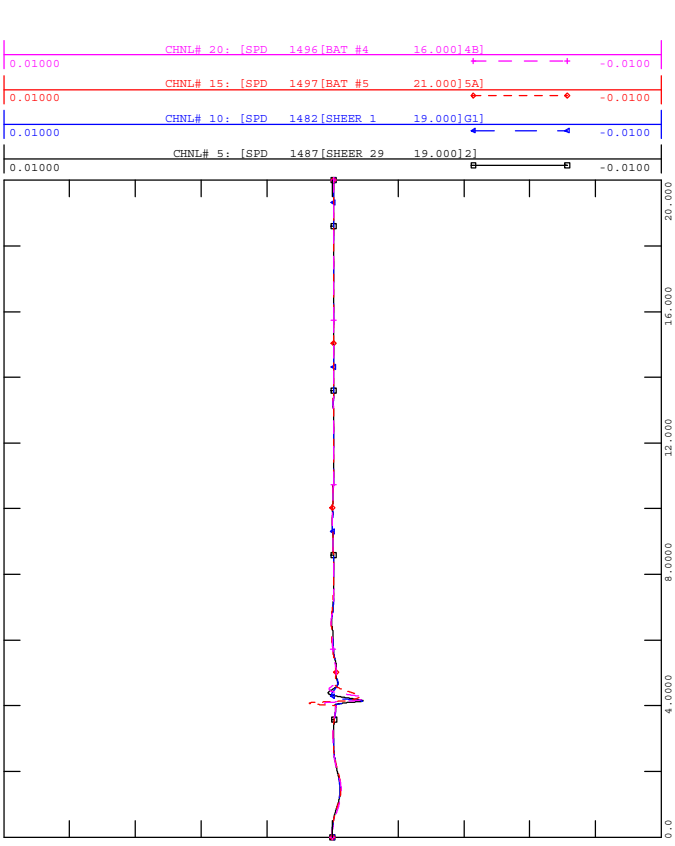


NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

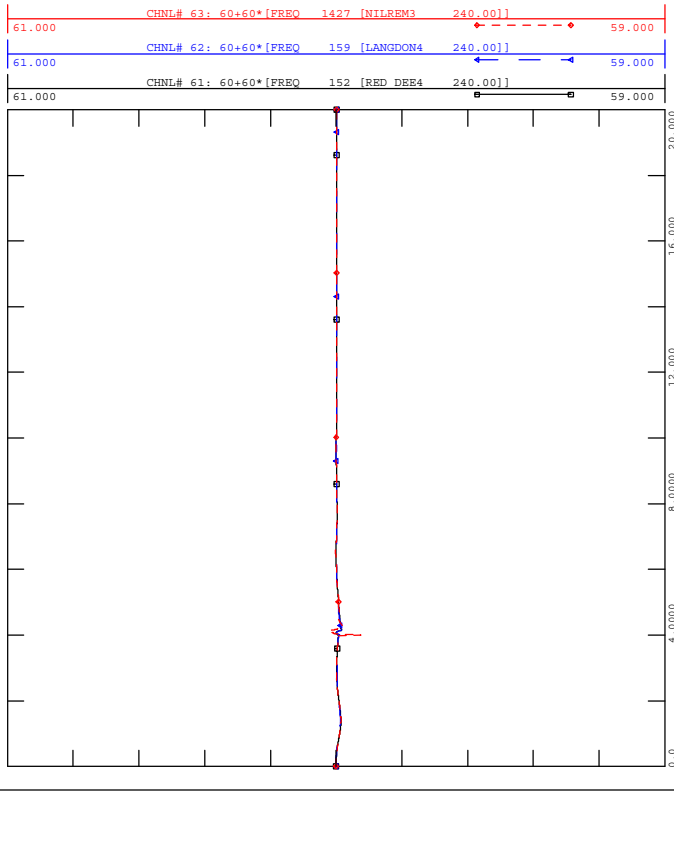


NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:53

FREQUENCY

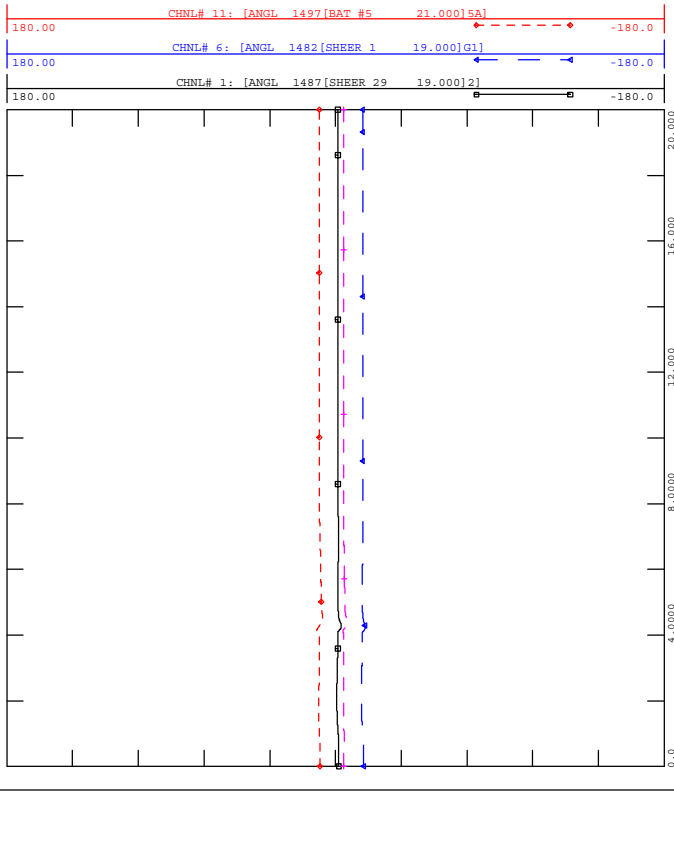


NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out

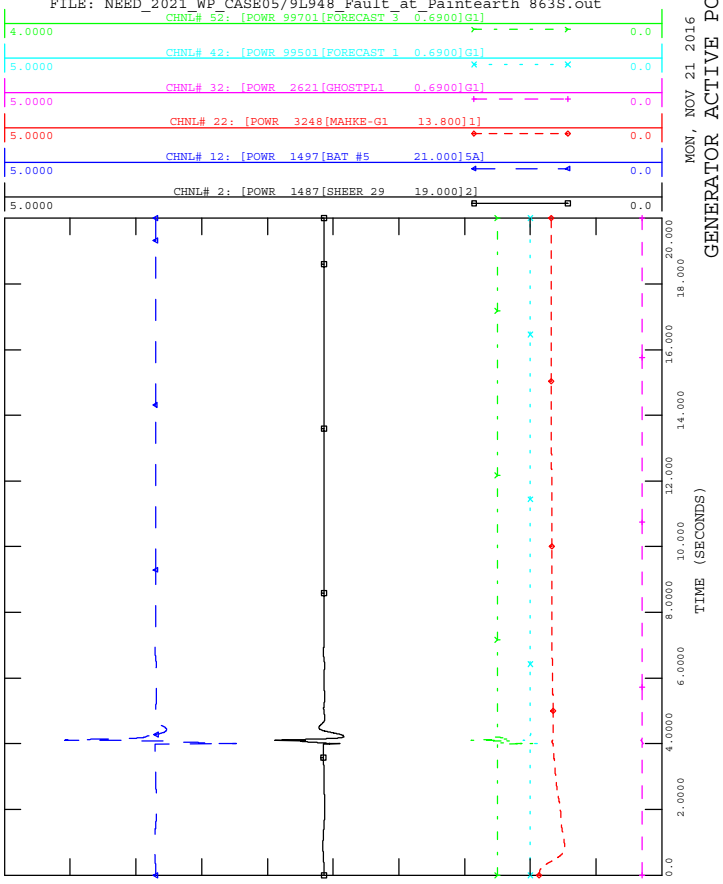
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

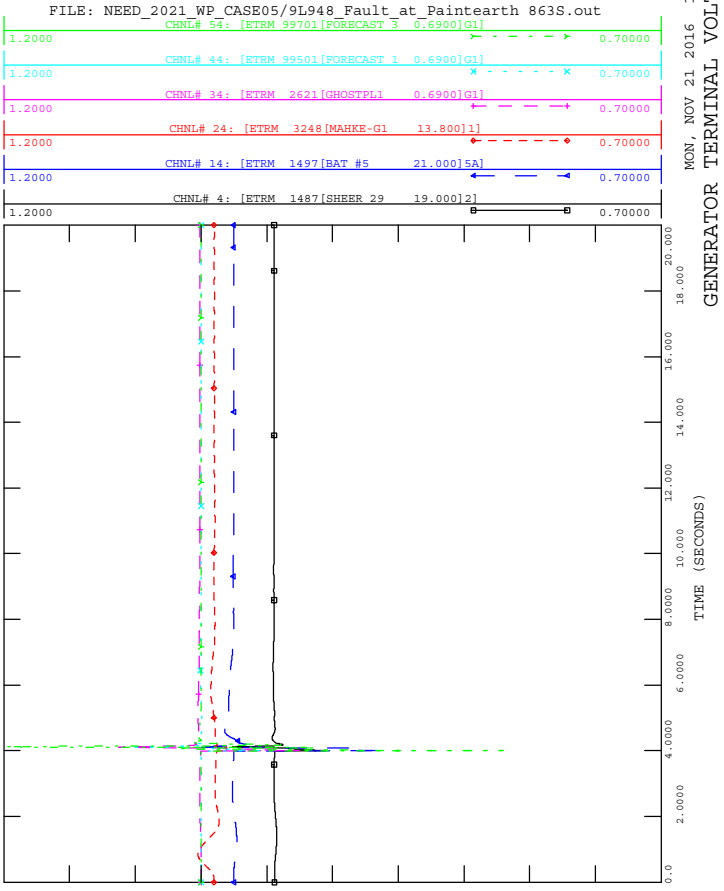
FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

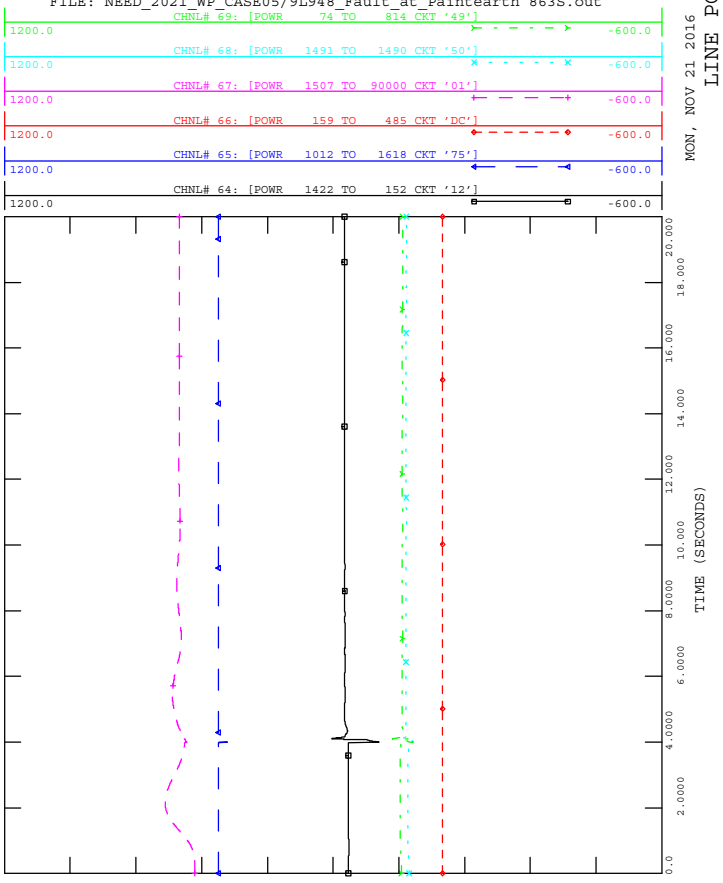
FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

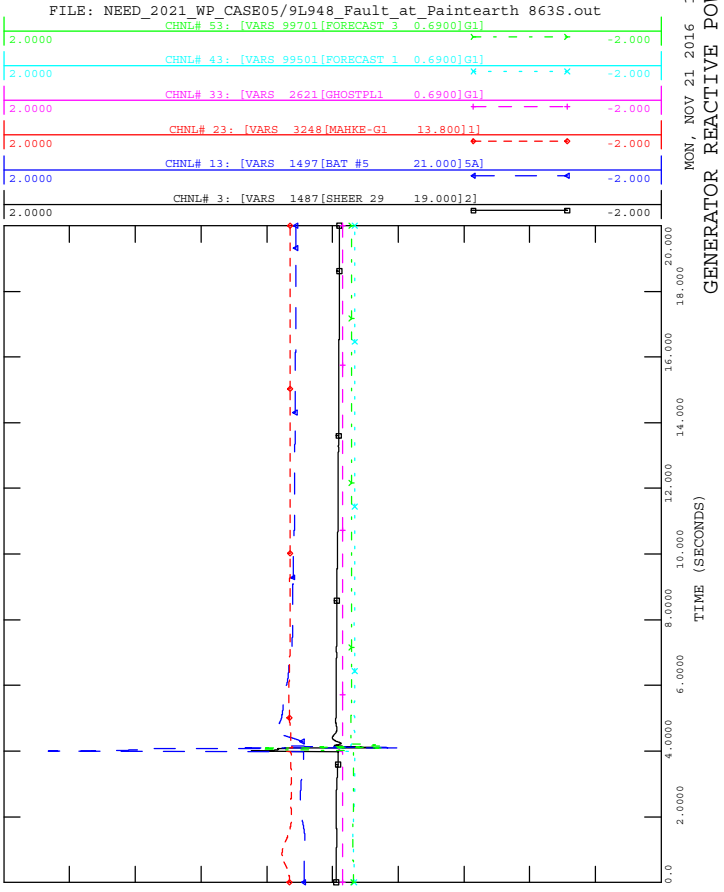
FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

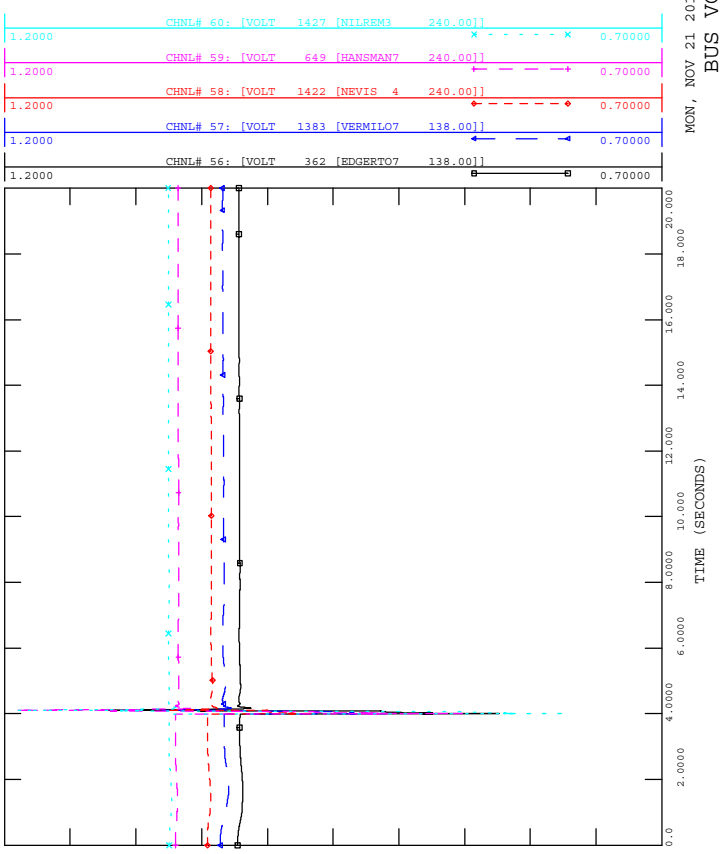
FILE: NEED_2021_WP_CASE05/9L948_Fault_at_Paintearth 863S.out



MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out



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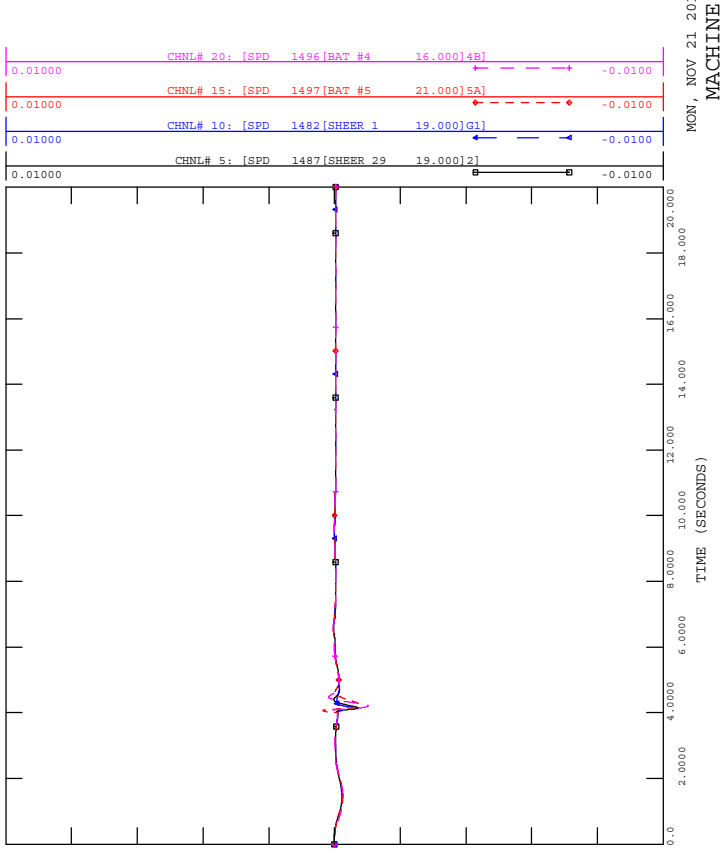
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out



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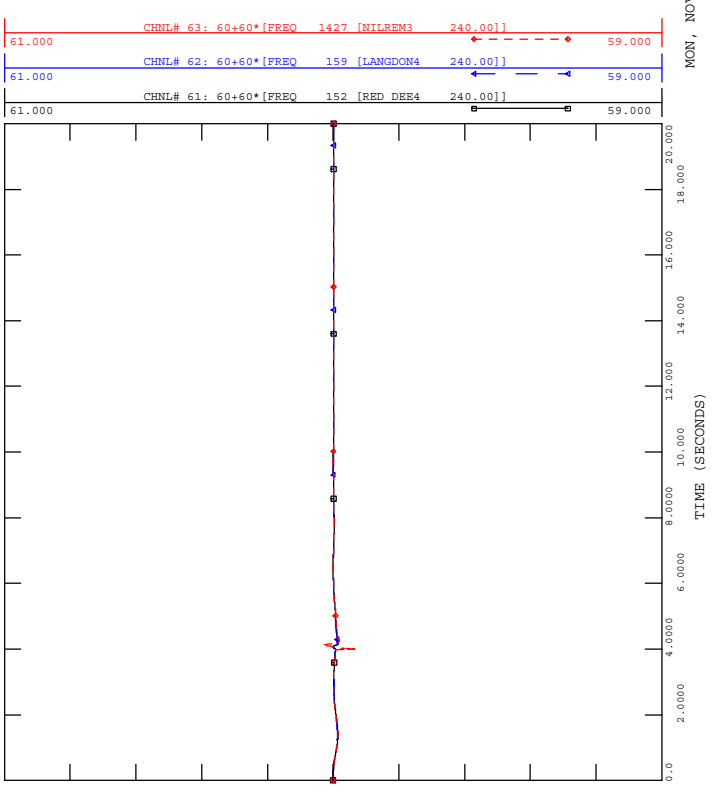
MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out



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FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_NILREM 574S

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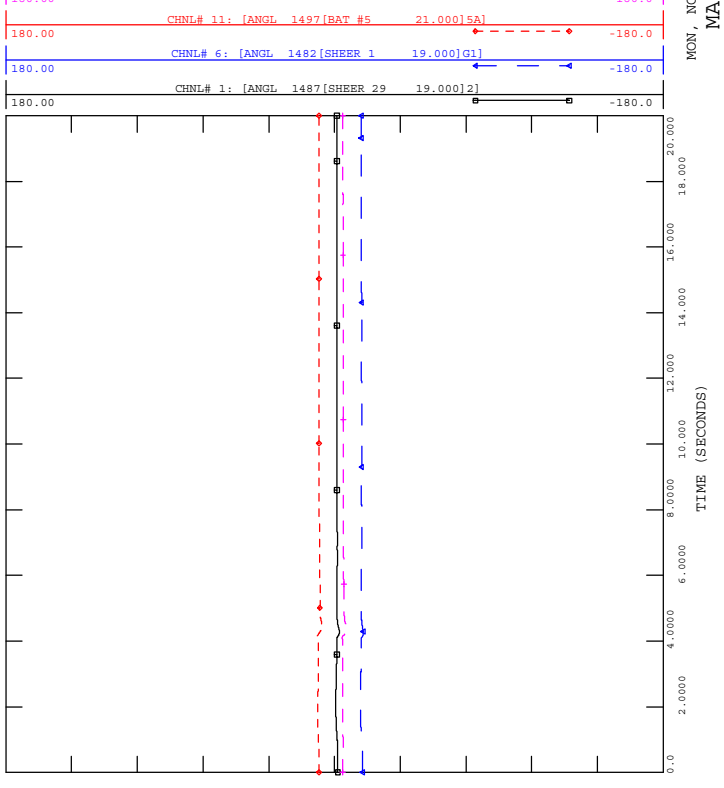

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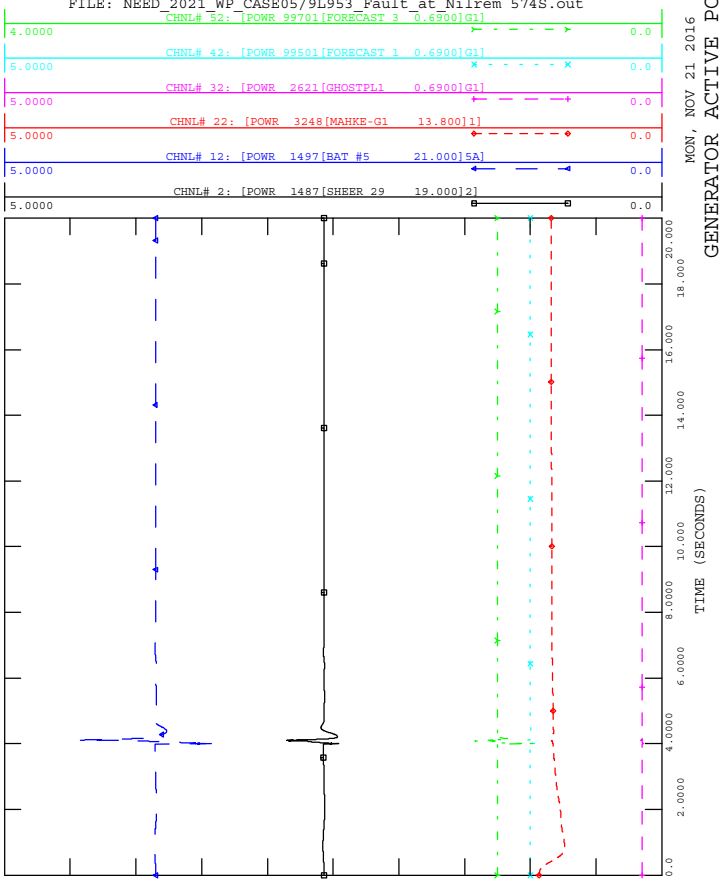
MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out



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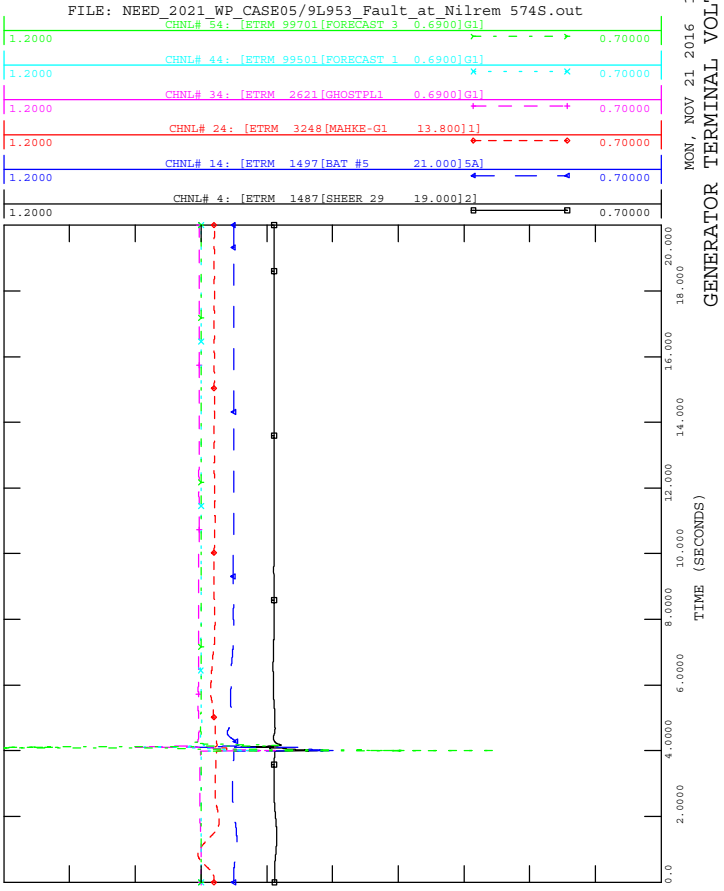
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out



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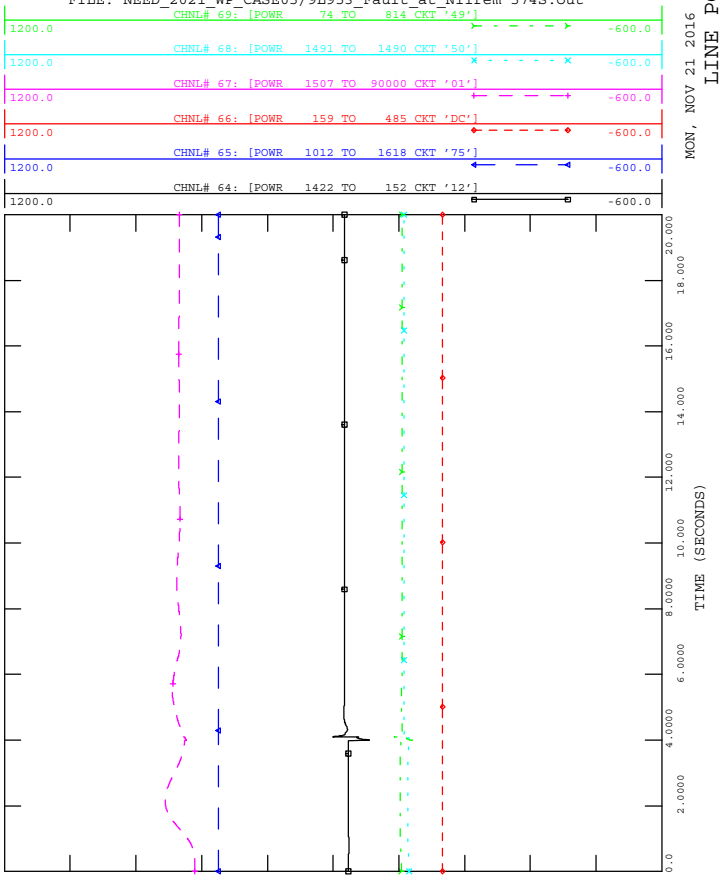
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Nilrem 574S.out



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LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_NILREM 574S

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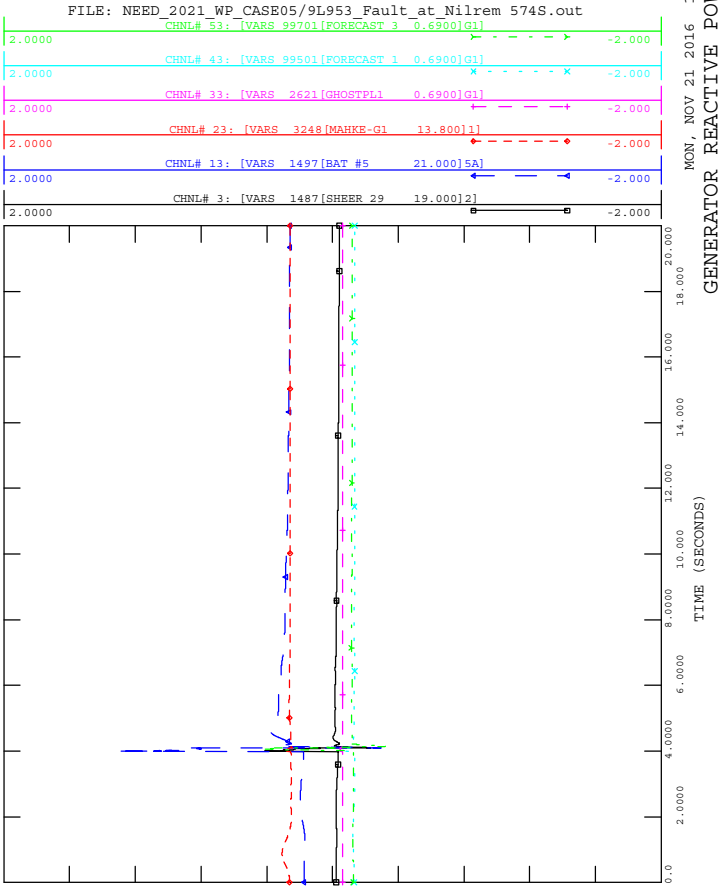

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GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Cordel 755S.out

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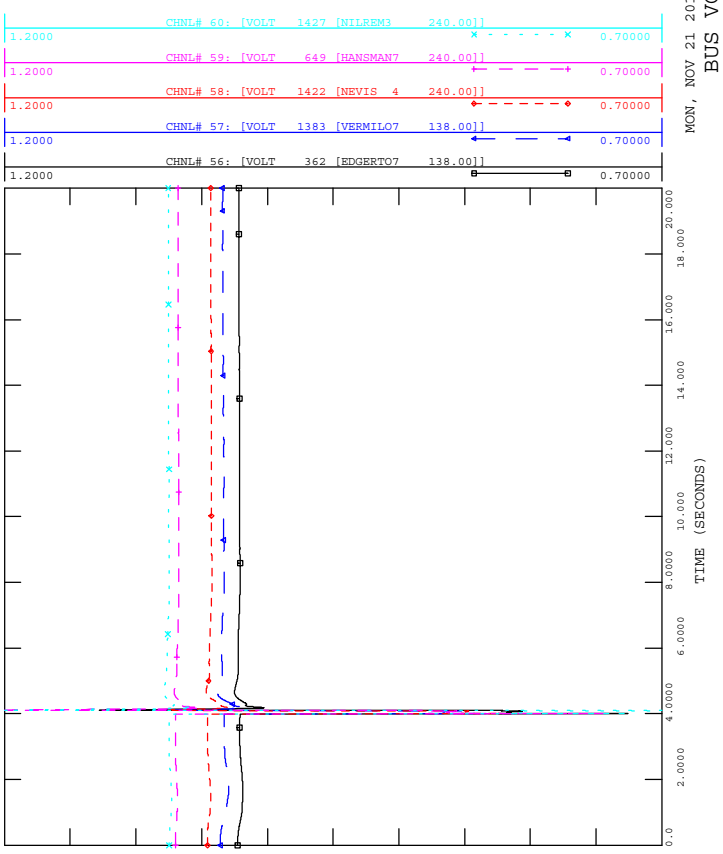
BUS VOLTAGE



NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

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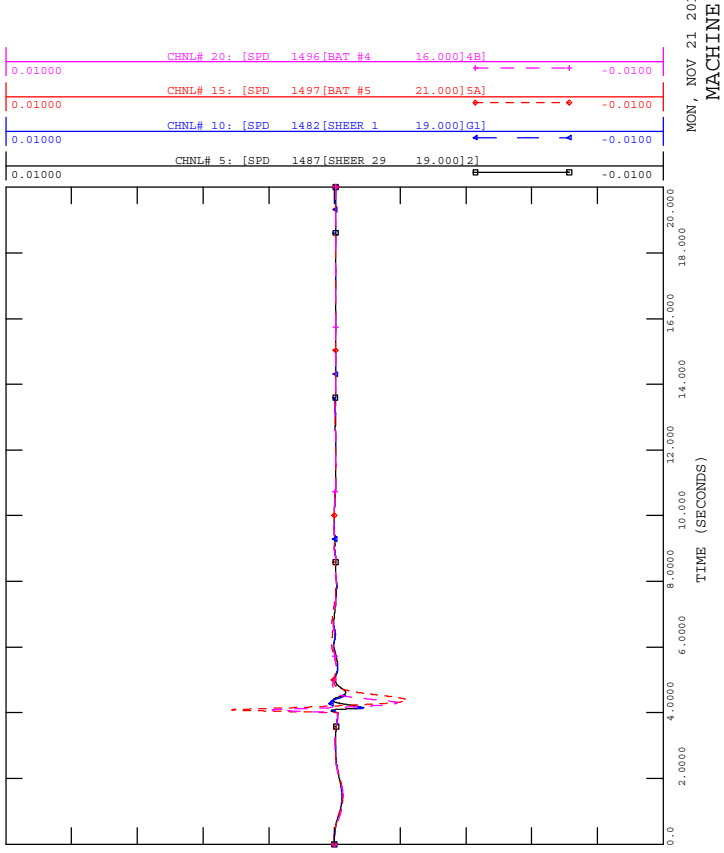
MACHINE SPEED



NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

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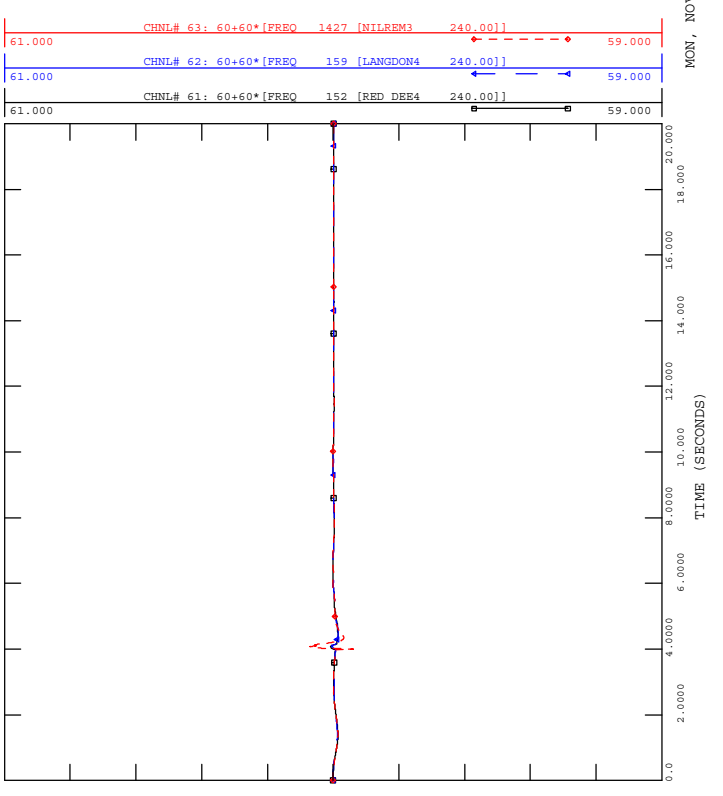
FREQUENCY



NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

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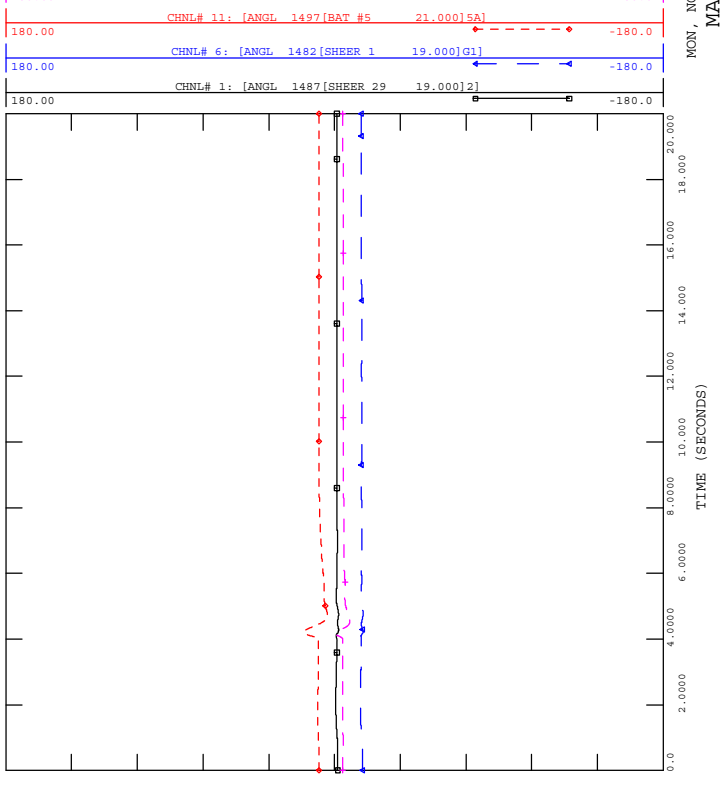
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

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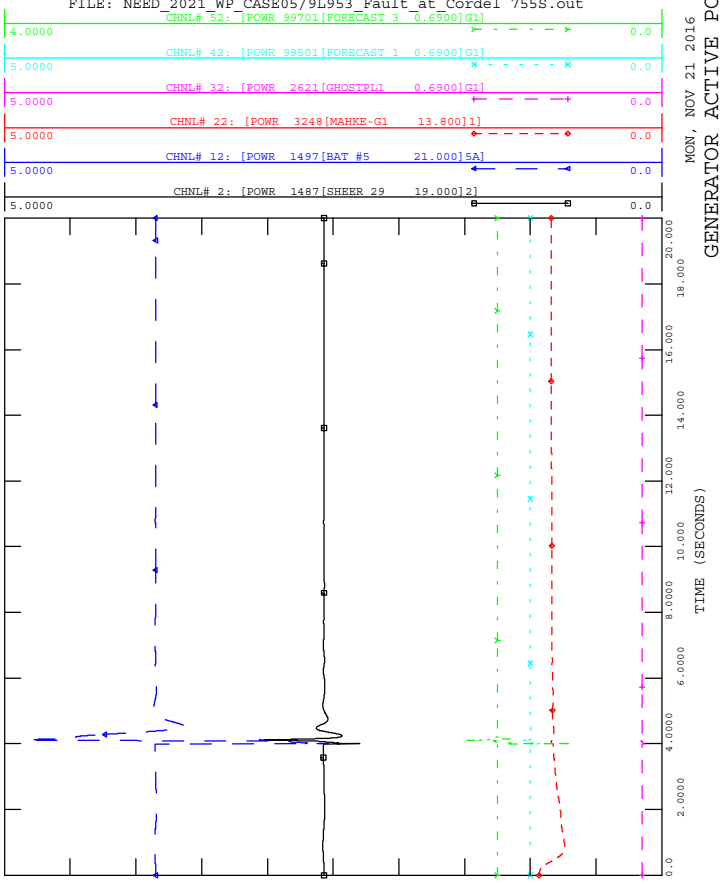

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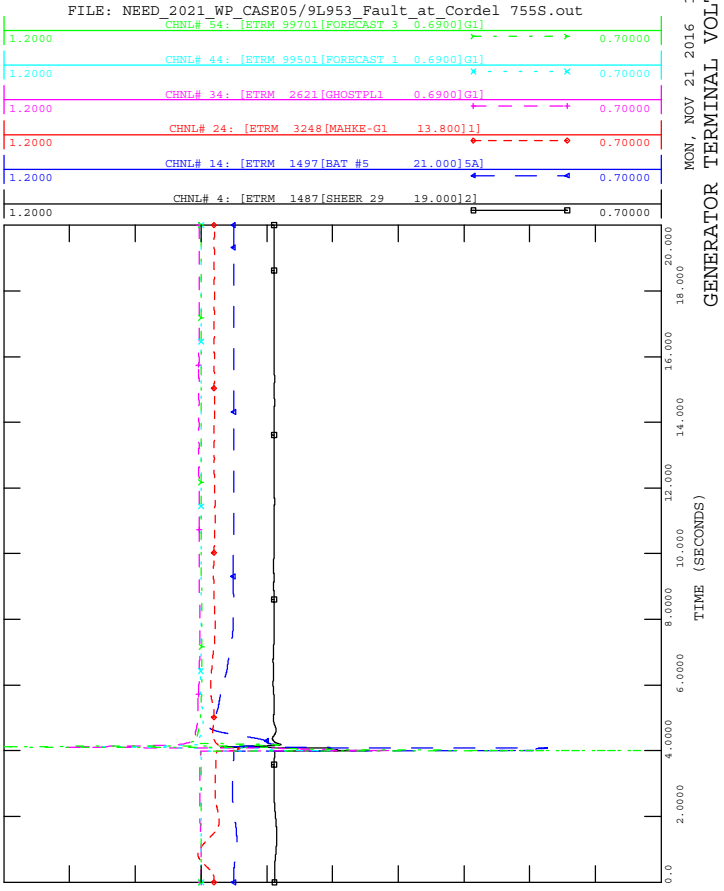
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

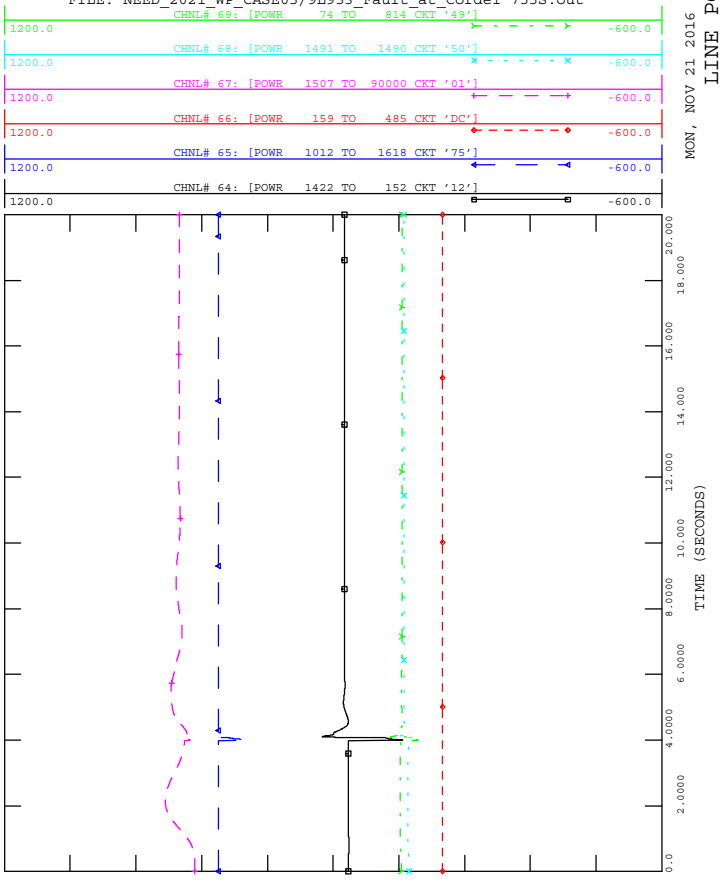
FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

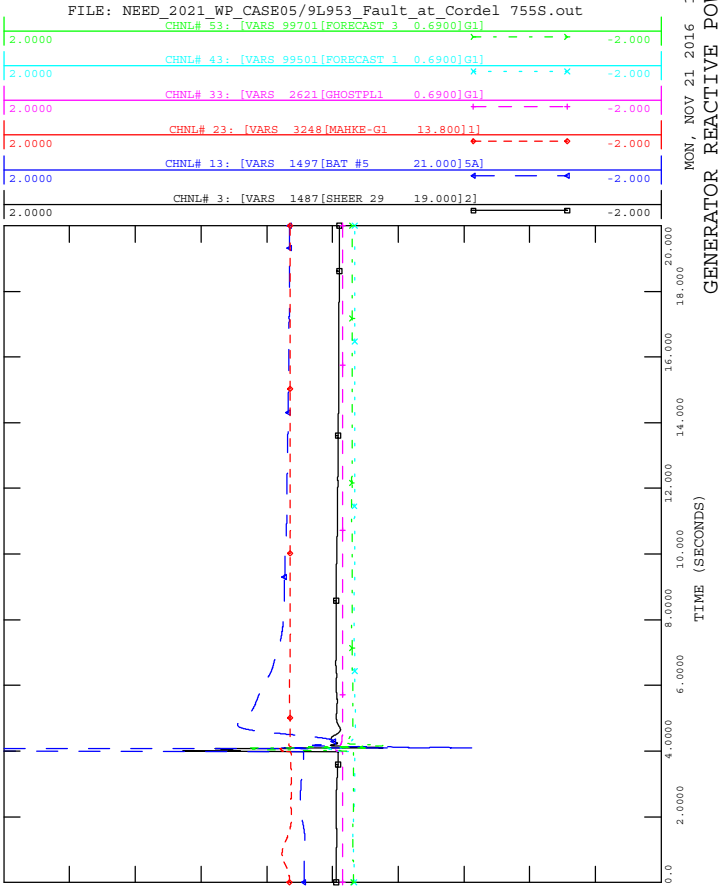
FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L953_Fault_at_Cordel 755S.out



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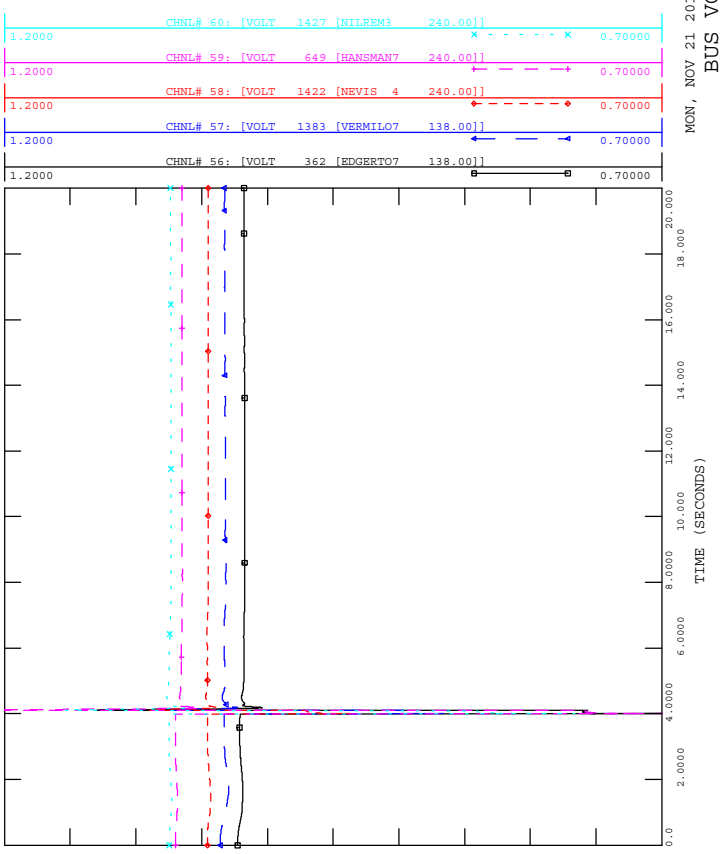
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out



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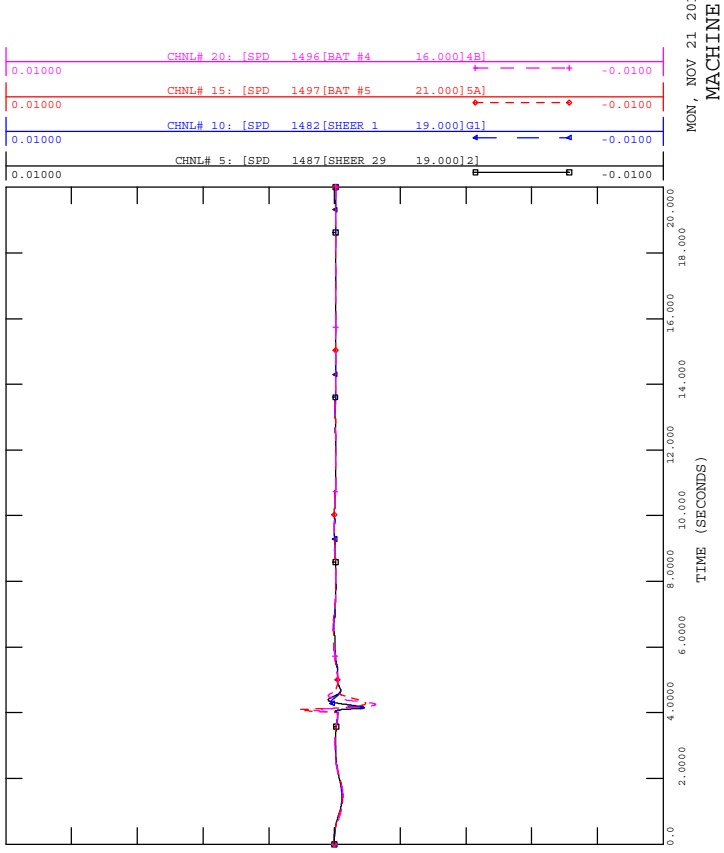
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out



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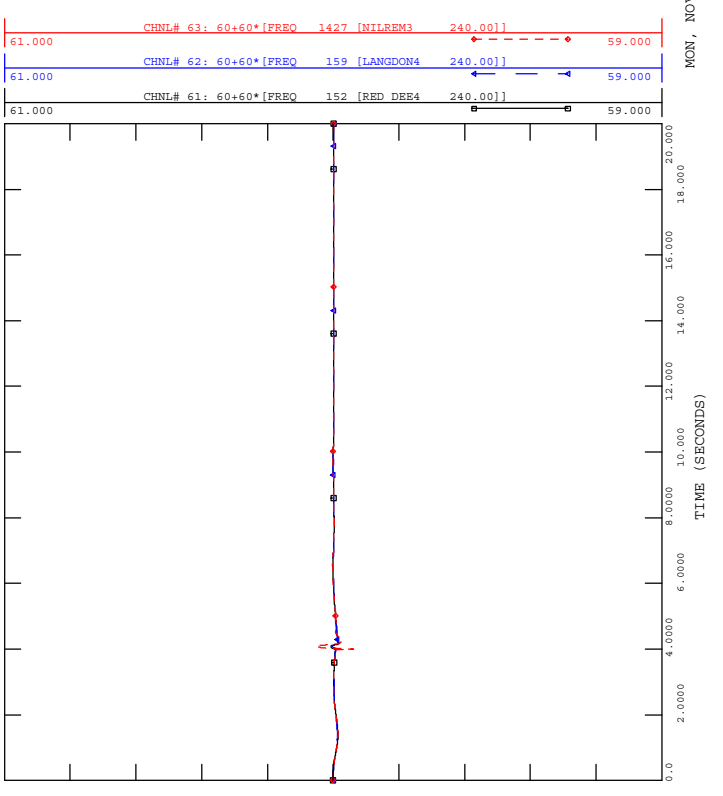
MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out



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FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_NILREM 574S

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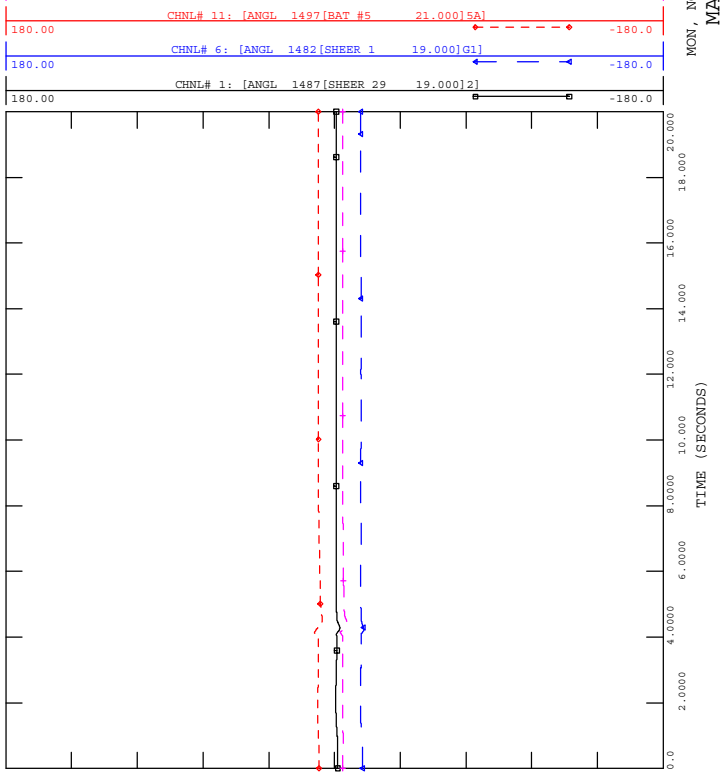

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MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_NILREM 574S

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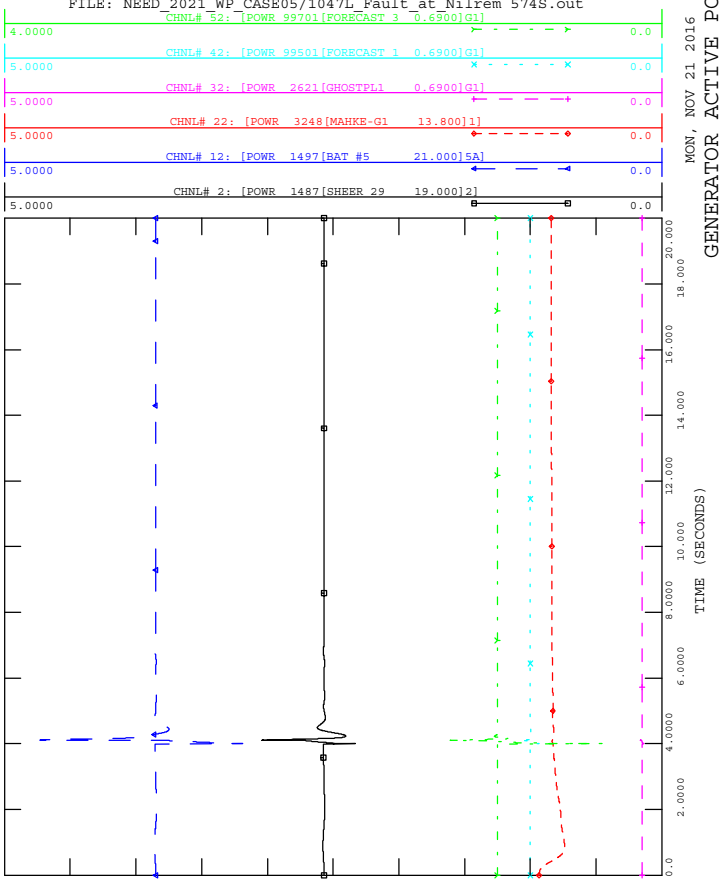

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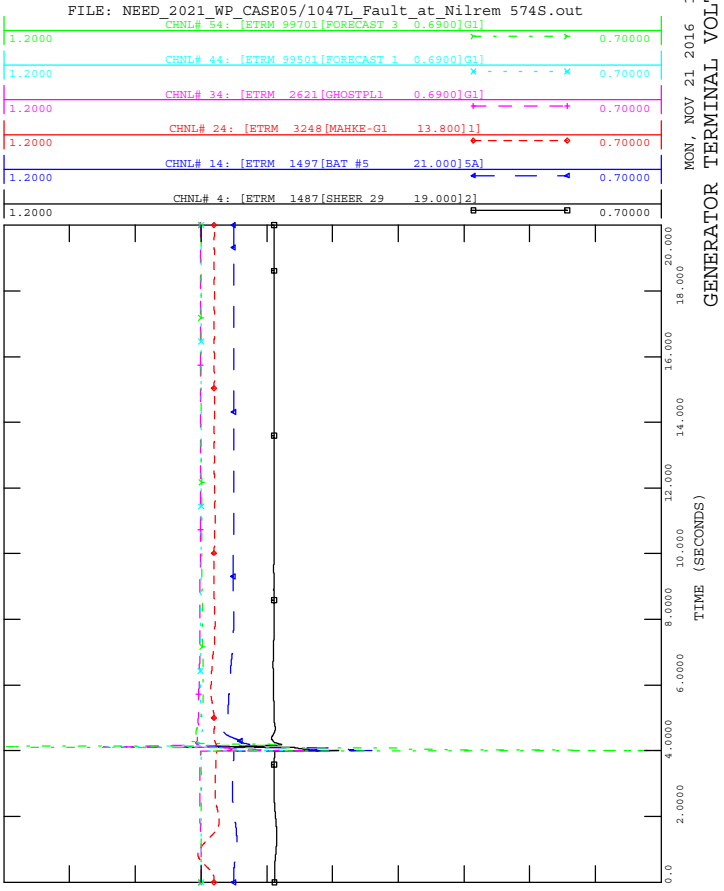
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out



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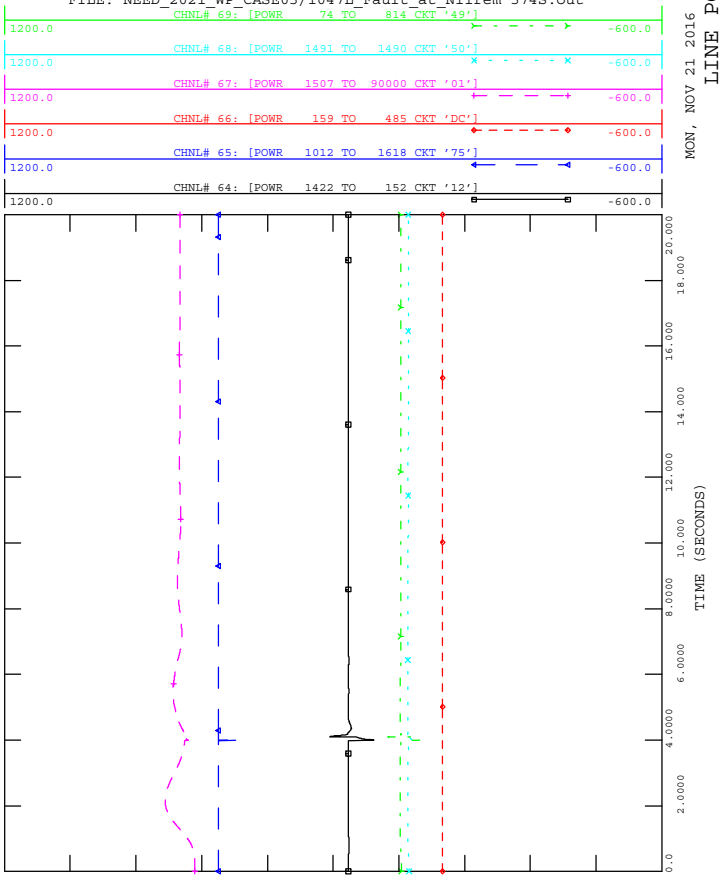
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out



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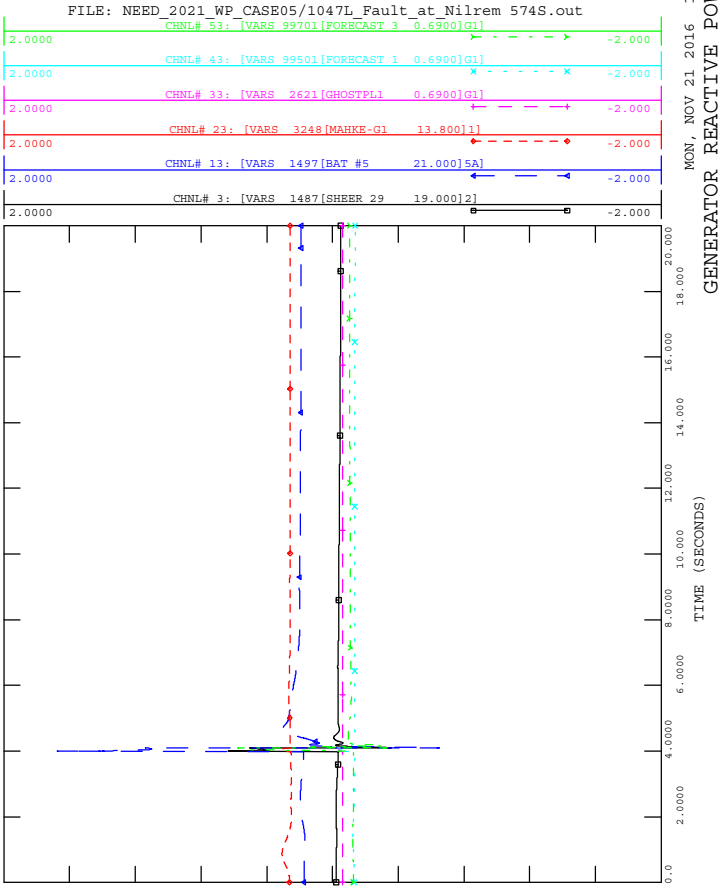
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Nilrem 574S.out



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GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out

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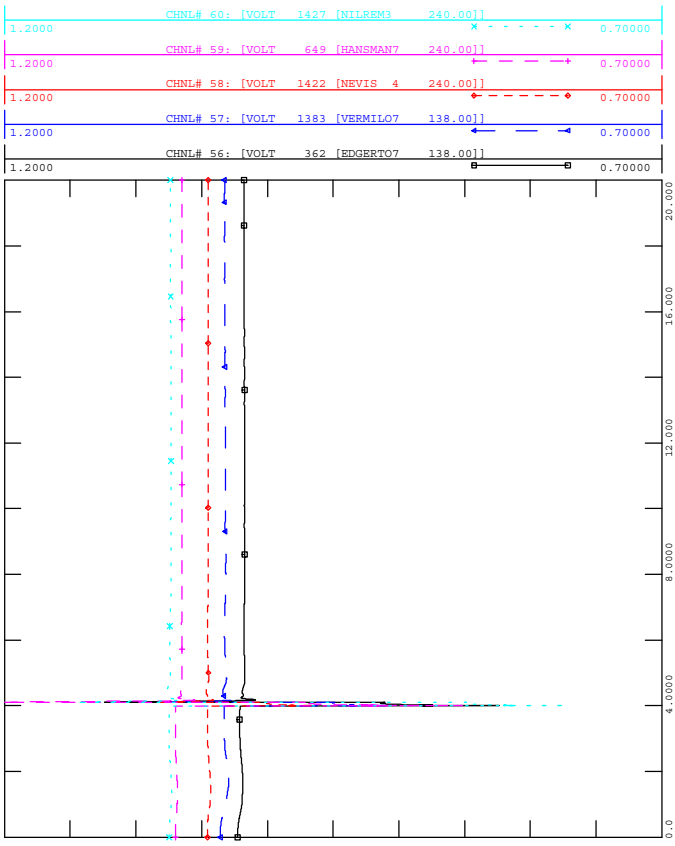
BUS VOLTAGE



NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out

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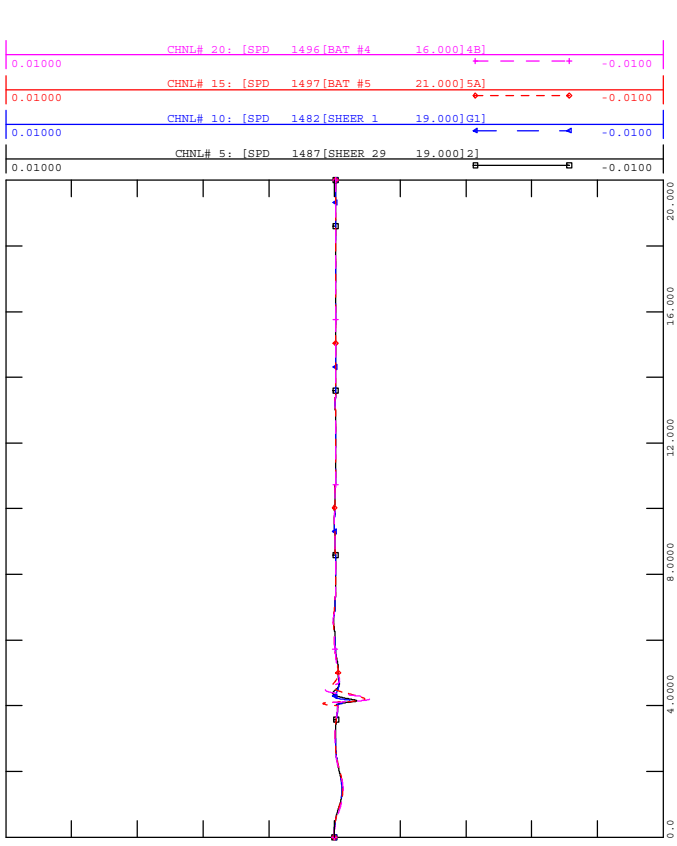
MACHINE SPEED



NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out

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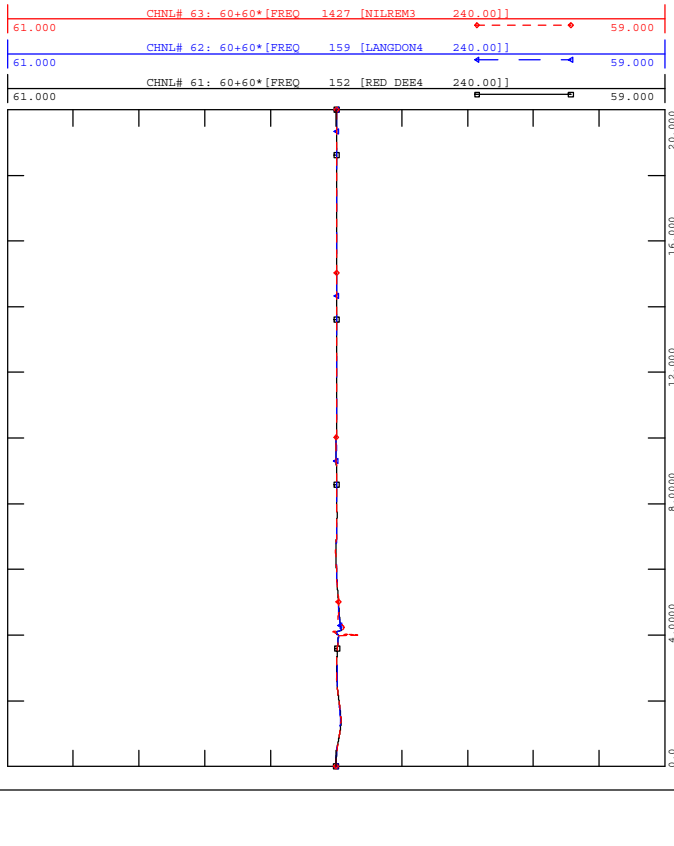
FREQUENCY



NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out

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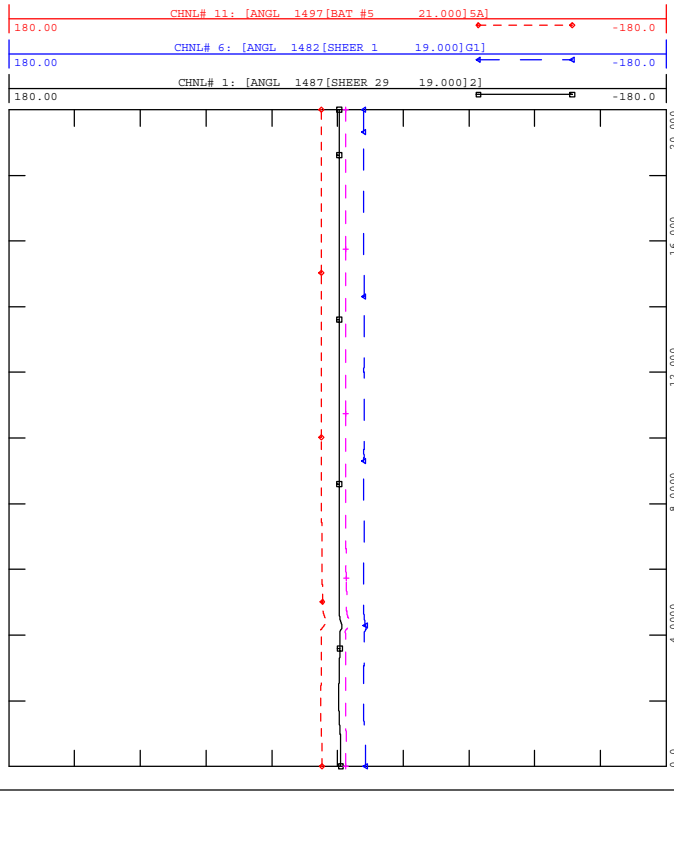
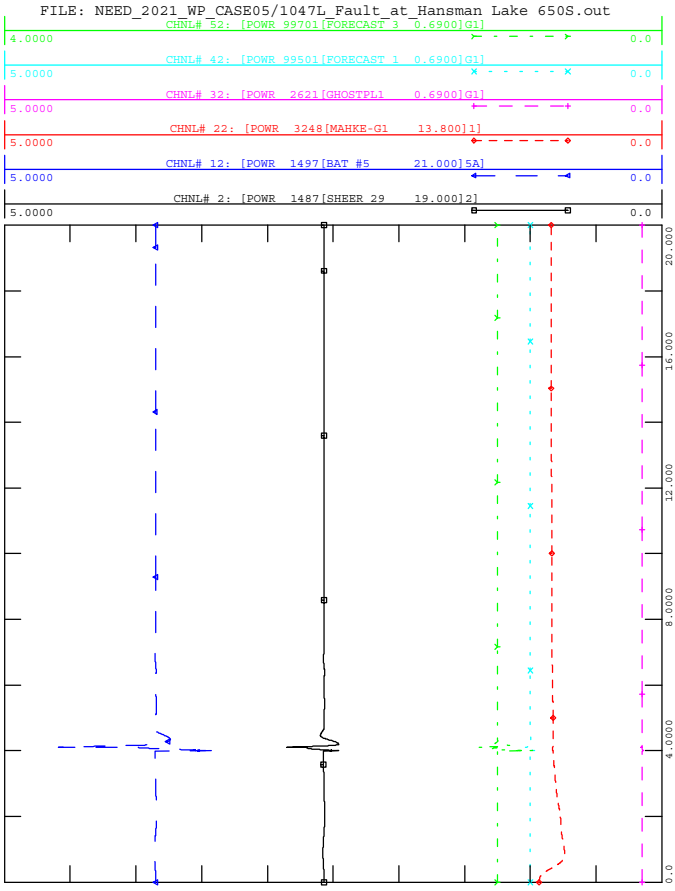
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out



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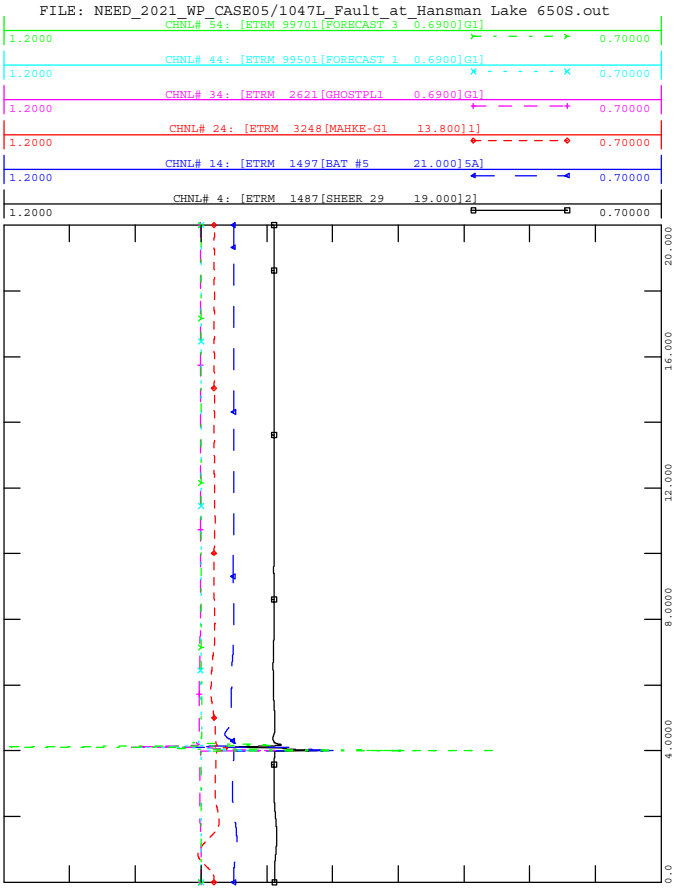
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out



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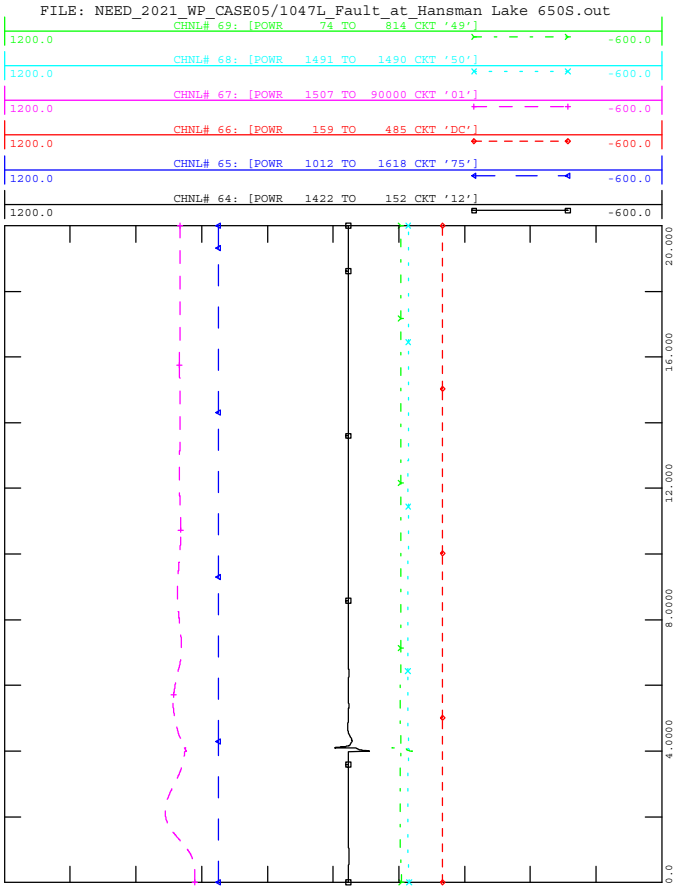
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out



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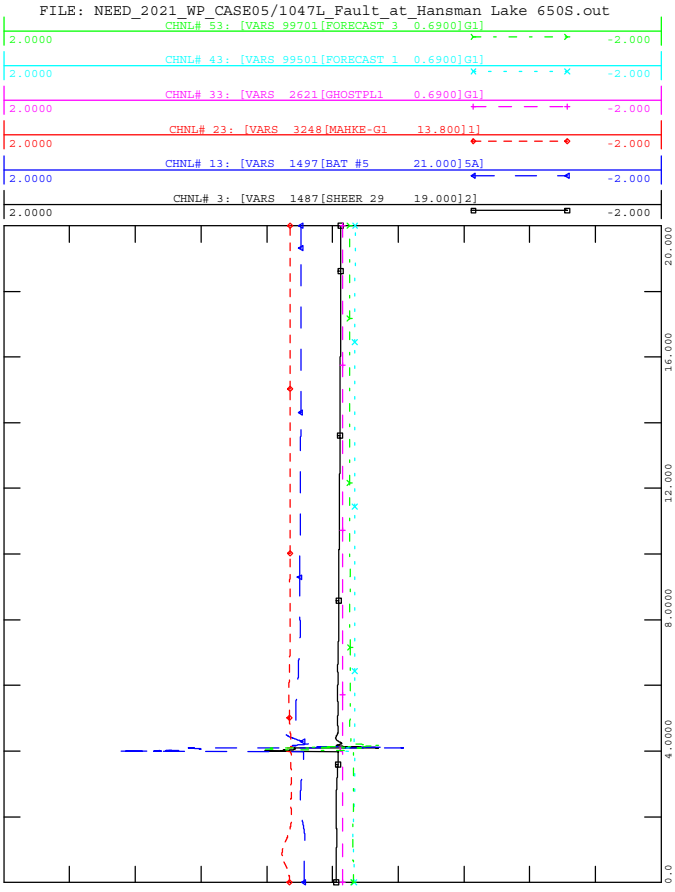
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/1047L_Fault_at_Hansman Lake 650S.out



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GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out

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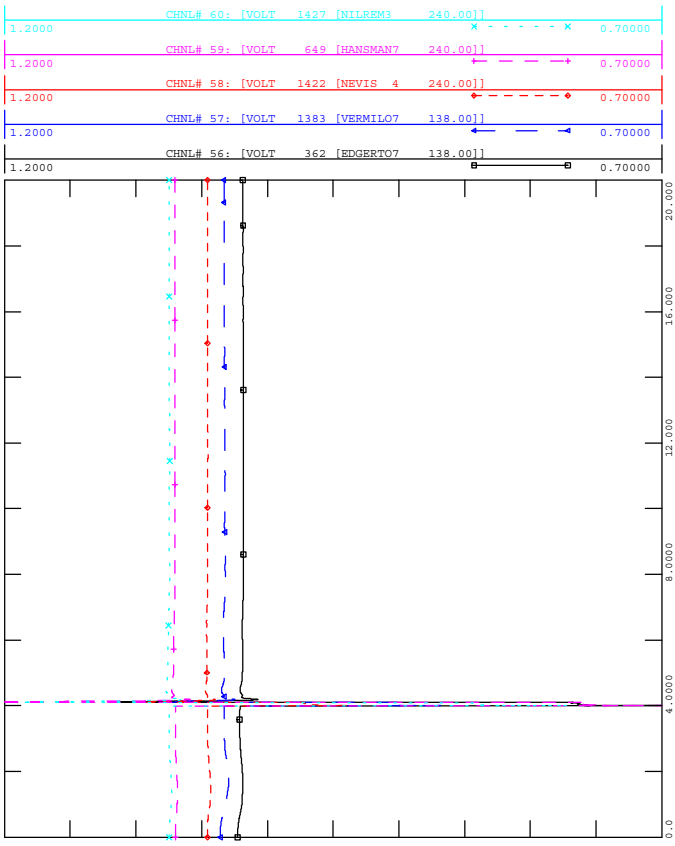
BUS VOLTAGE



NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out

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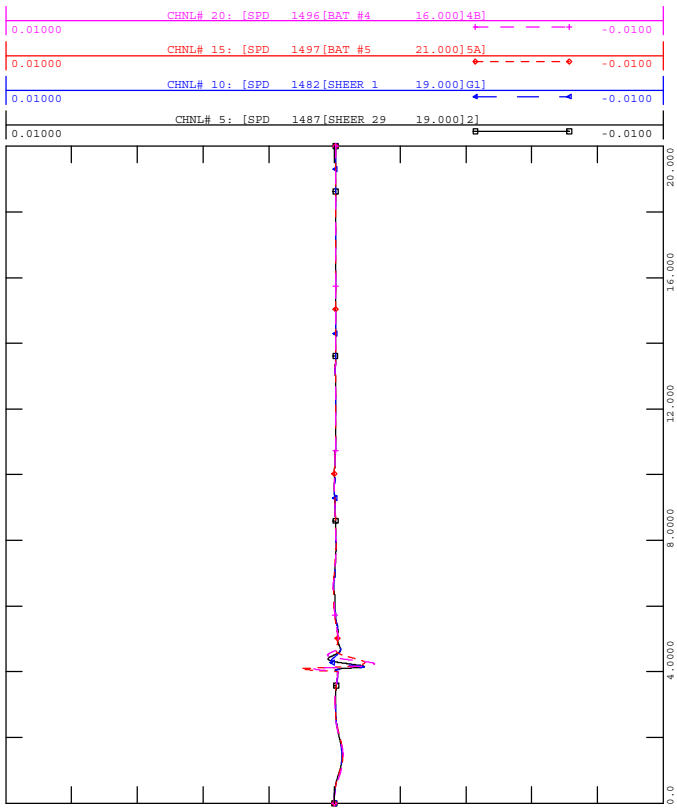
MACHINE SPEED



NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out

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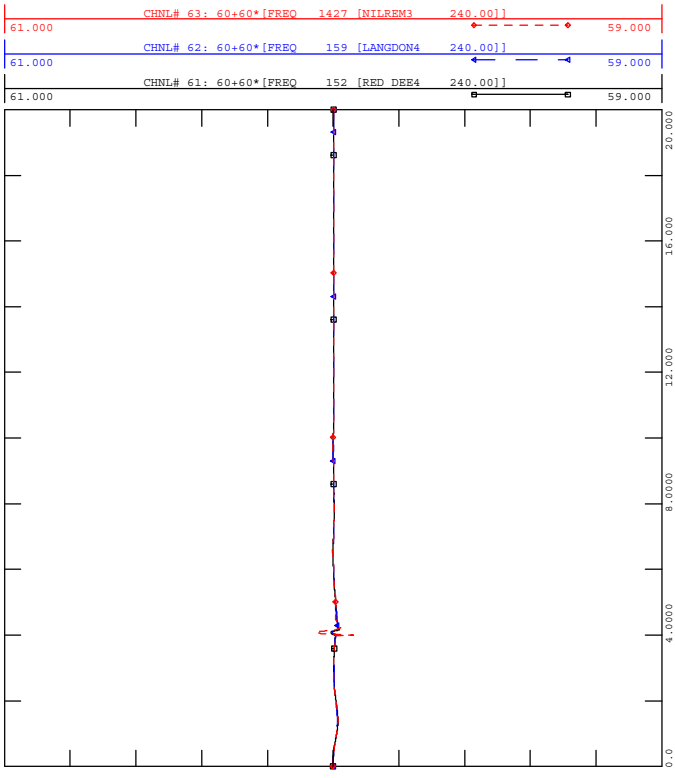
FREQUENCY



NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out

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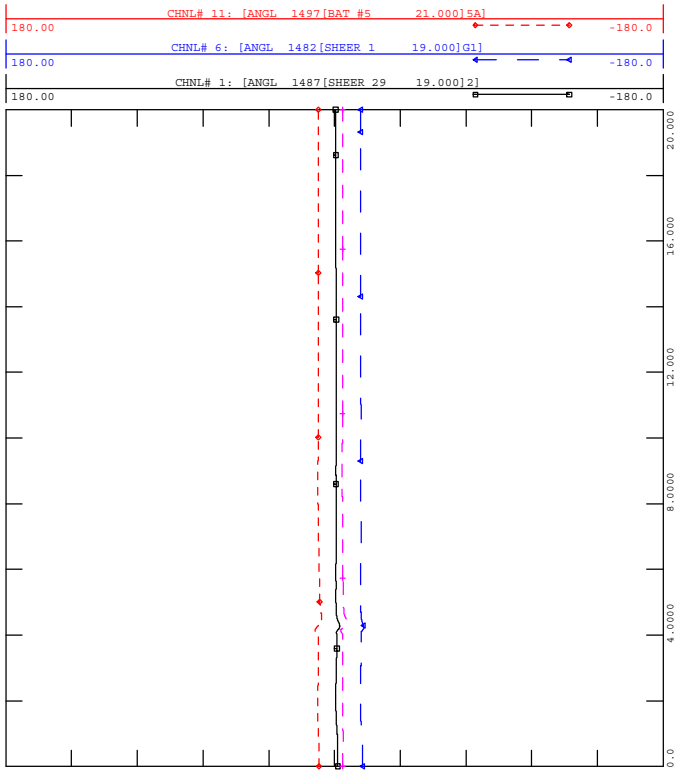
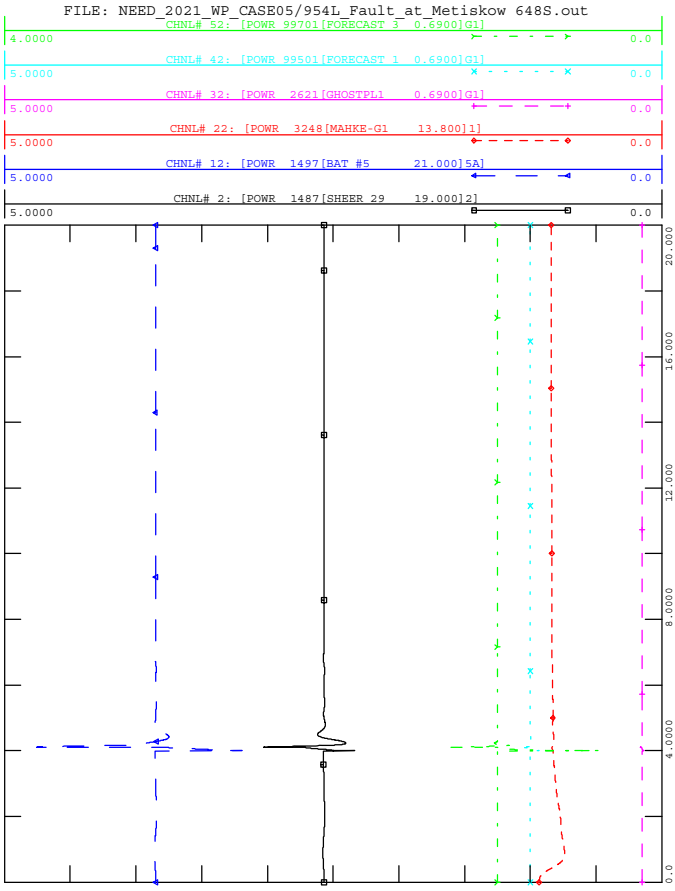
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_METISKOW 648S

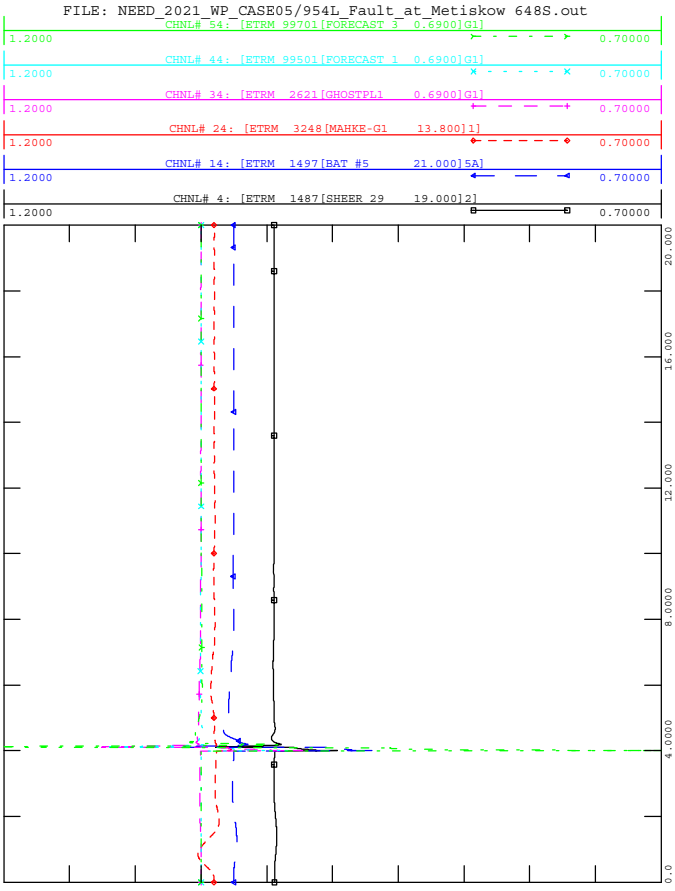
FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_METISKOW 648S

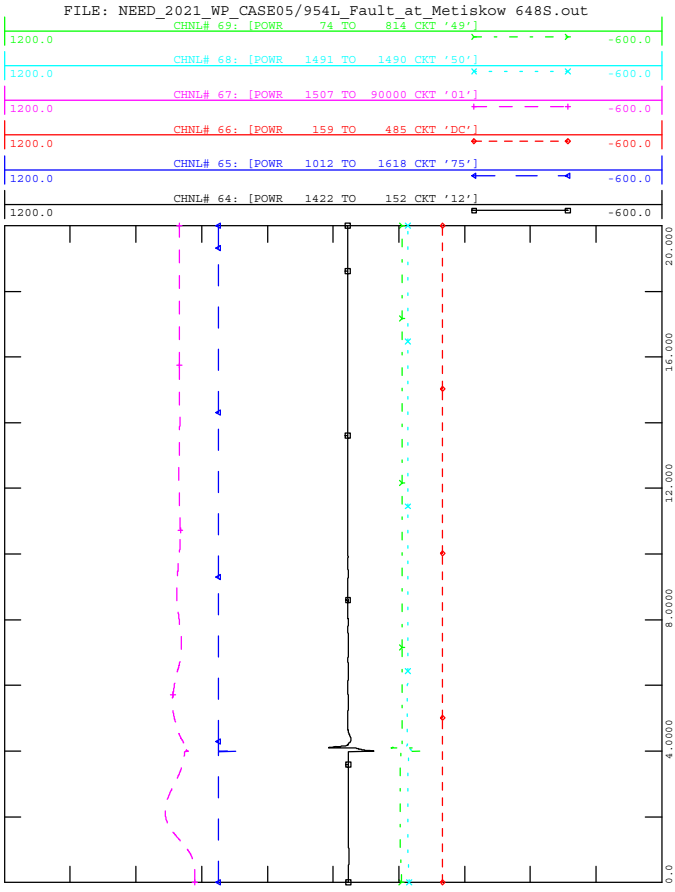
FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_METISKOW 648S

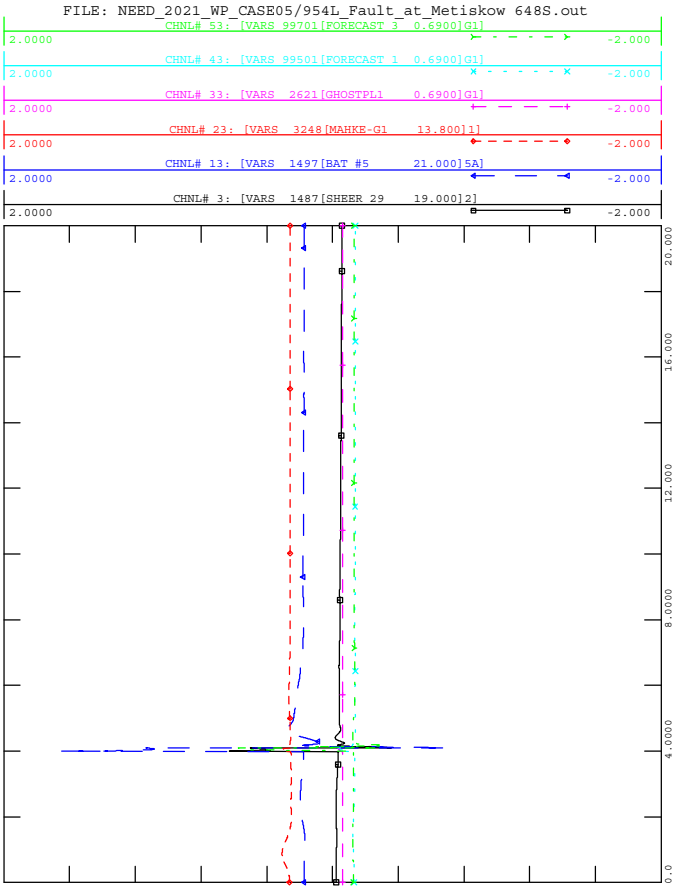
FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Metiskow 648S.out



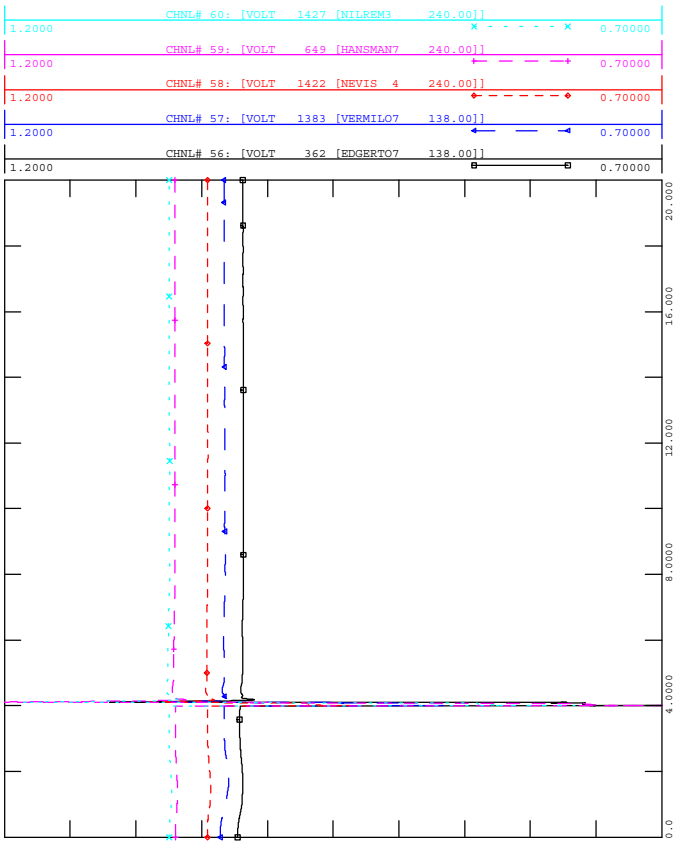
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

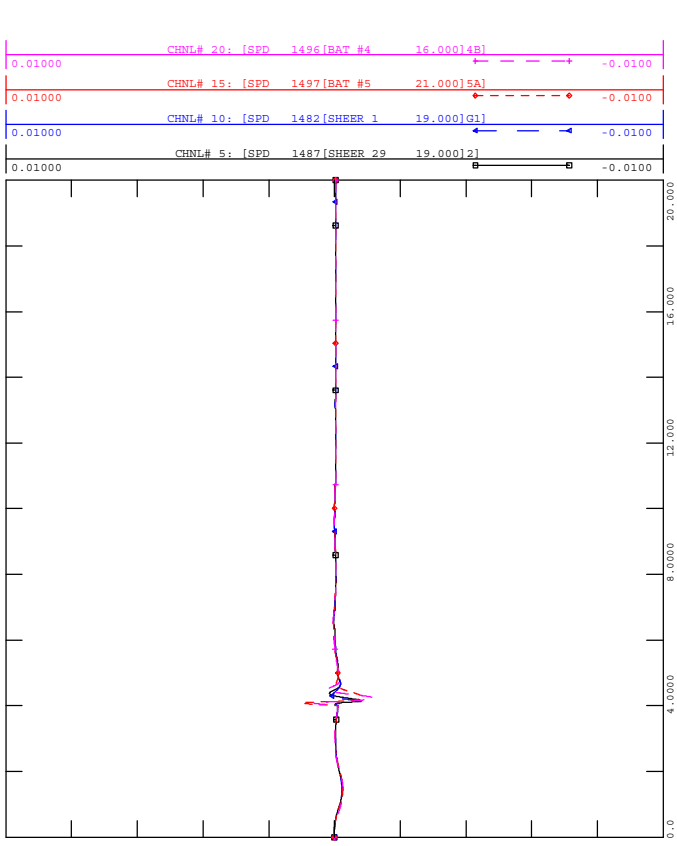


NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

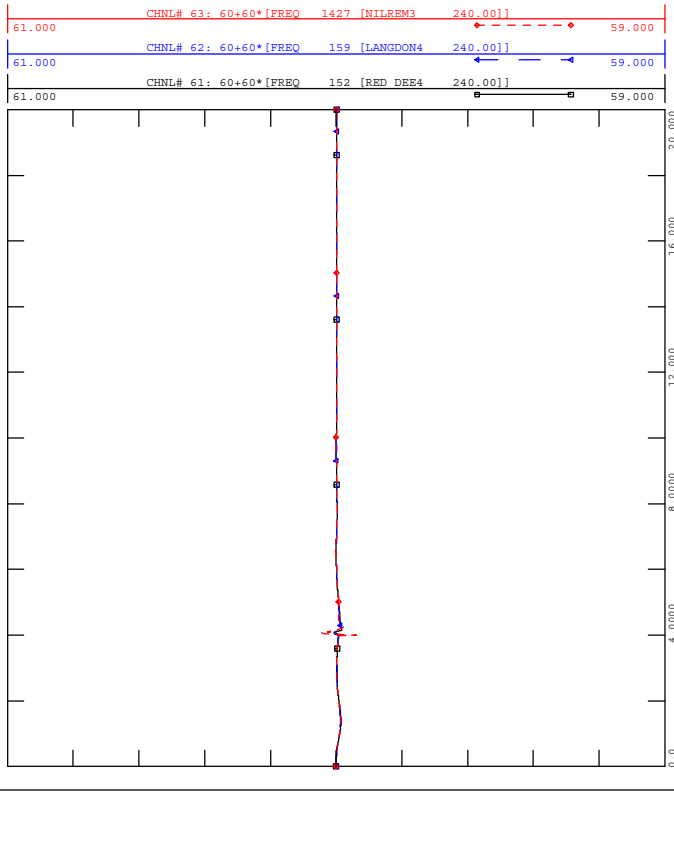


NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S

FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out

MON, NOV 21 2016 12:53

FREQUENCY

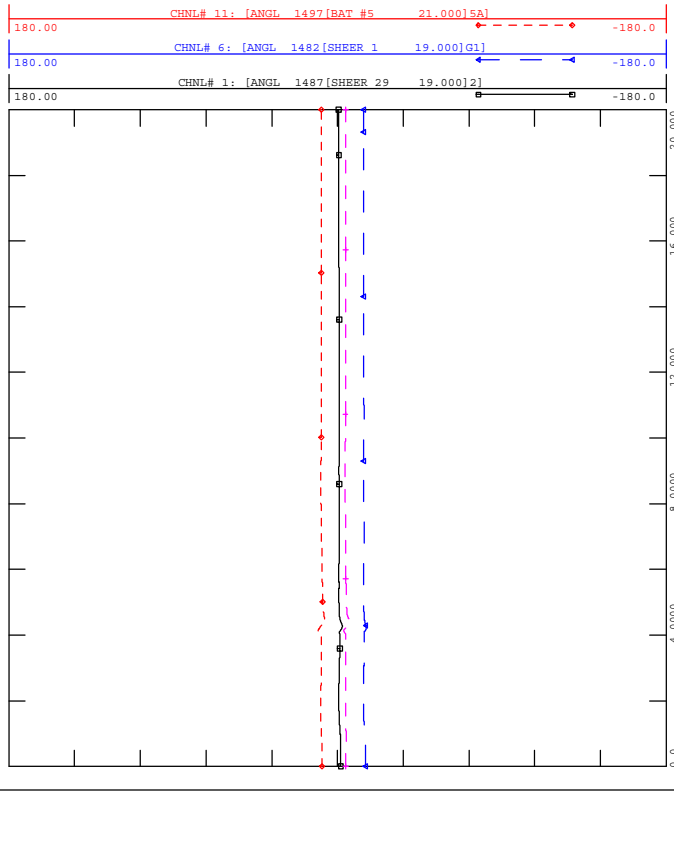


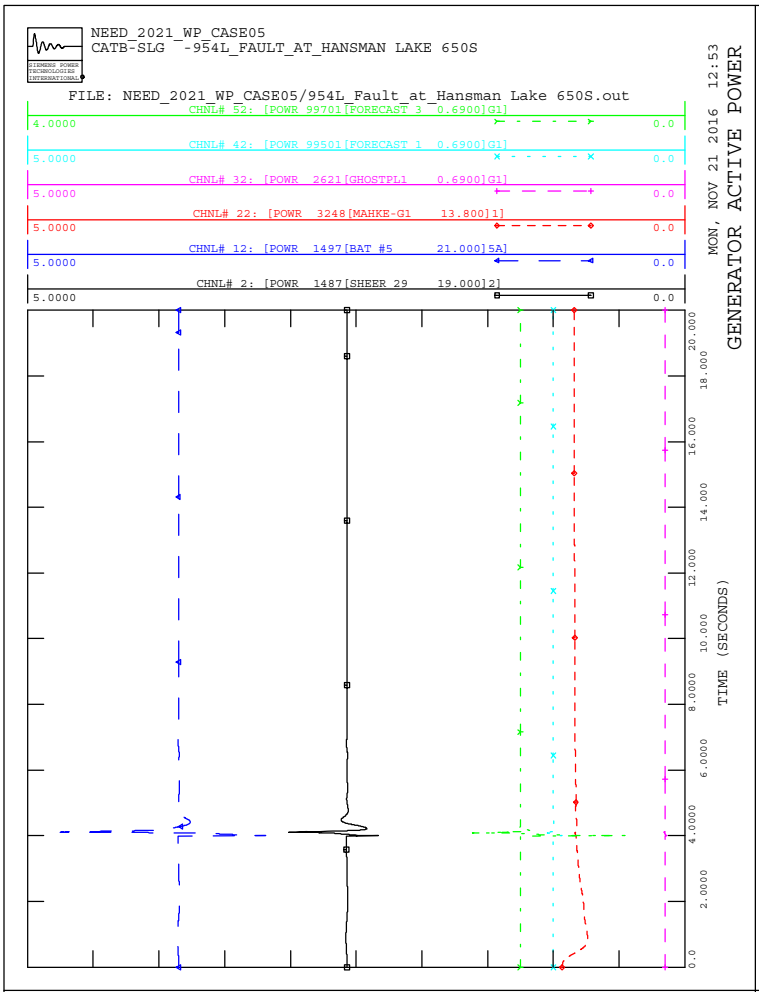
NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S

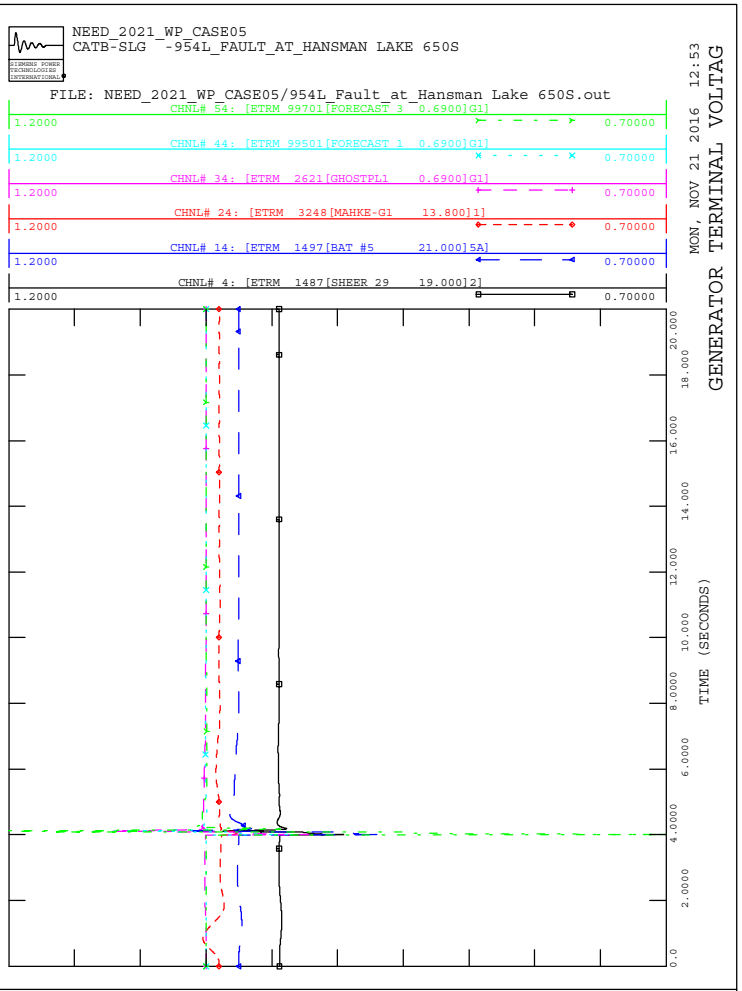
FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out

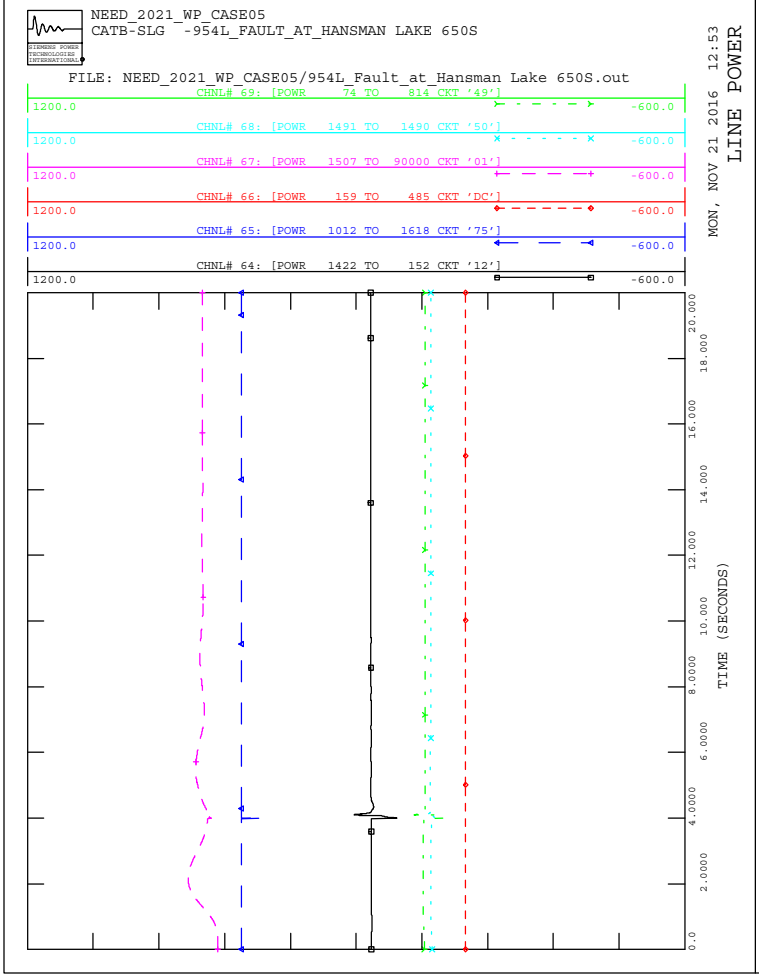
MON, NOV 21 2016 12:53

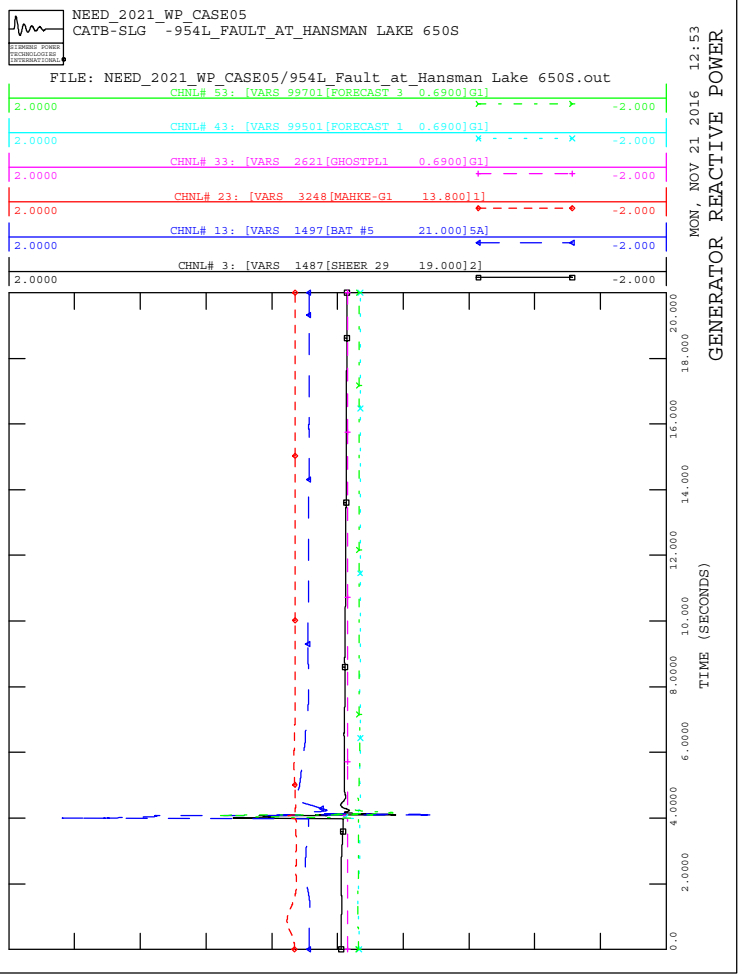
MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:53
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:53
TIME (SECONDS)


NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:53
TIME (SECONDS)

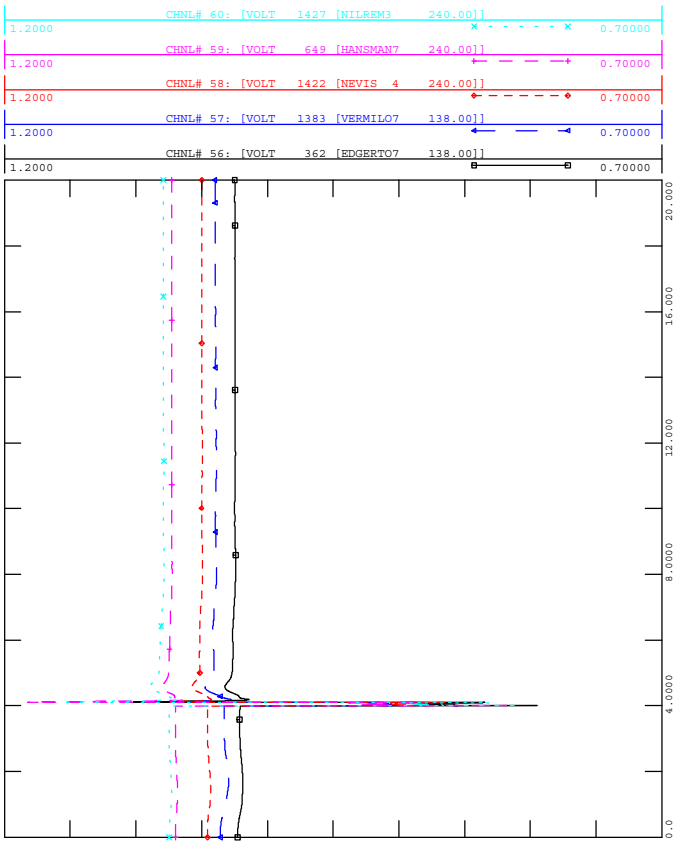

NEED_2021_WP_CASE05
CATB-SLG -954L_FAULT_AT_HANSMAN LAKE 650S
FILE: NEED_2021_WP_CASE05/954L_Fault_at_Hansman Lake 650S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:53
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

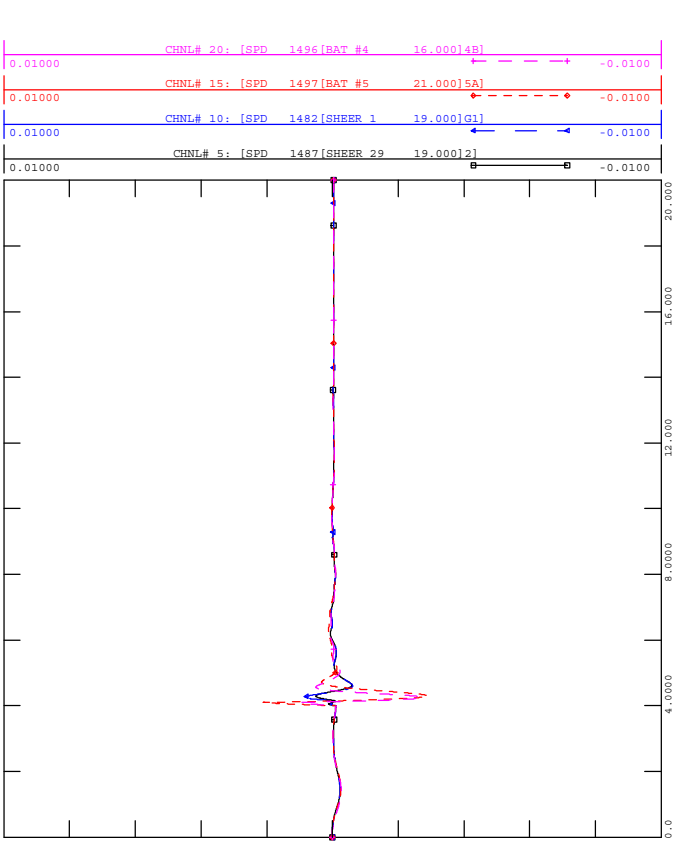


NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

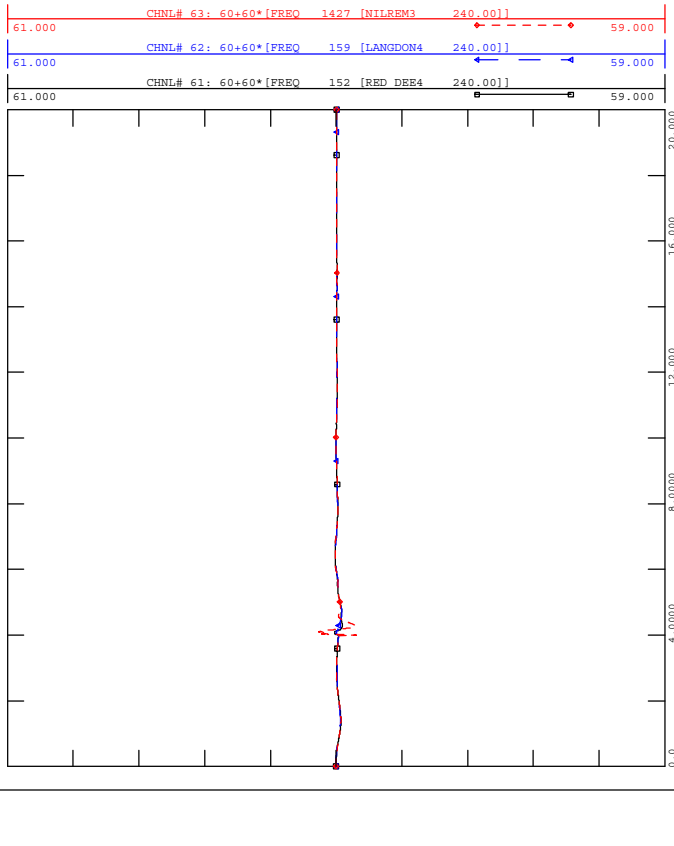


NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 12:53

FREQUENCY

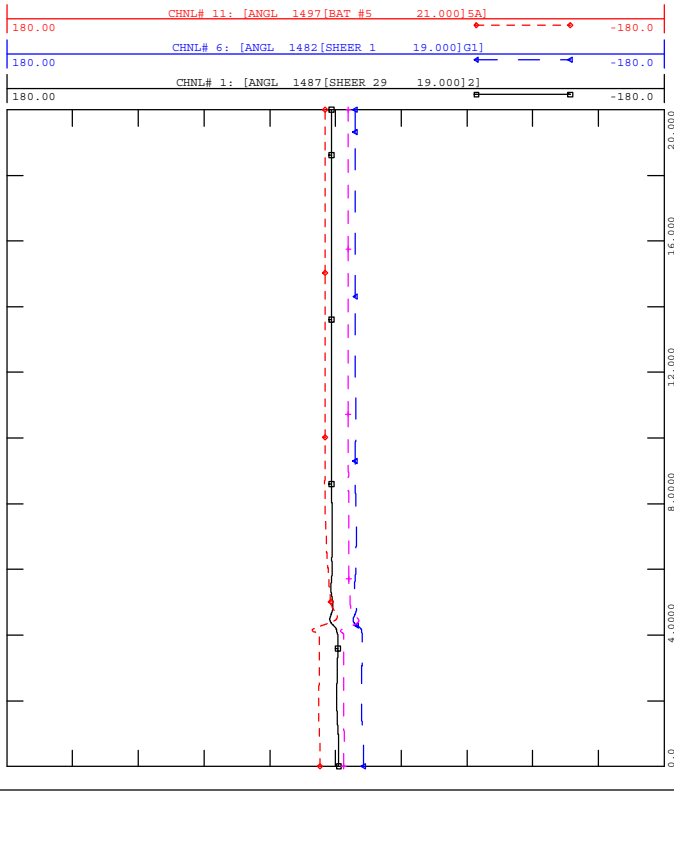


NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out

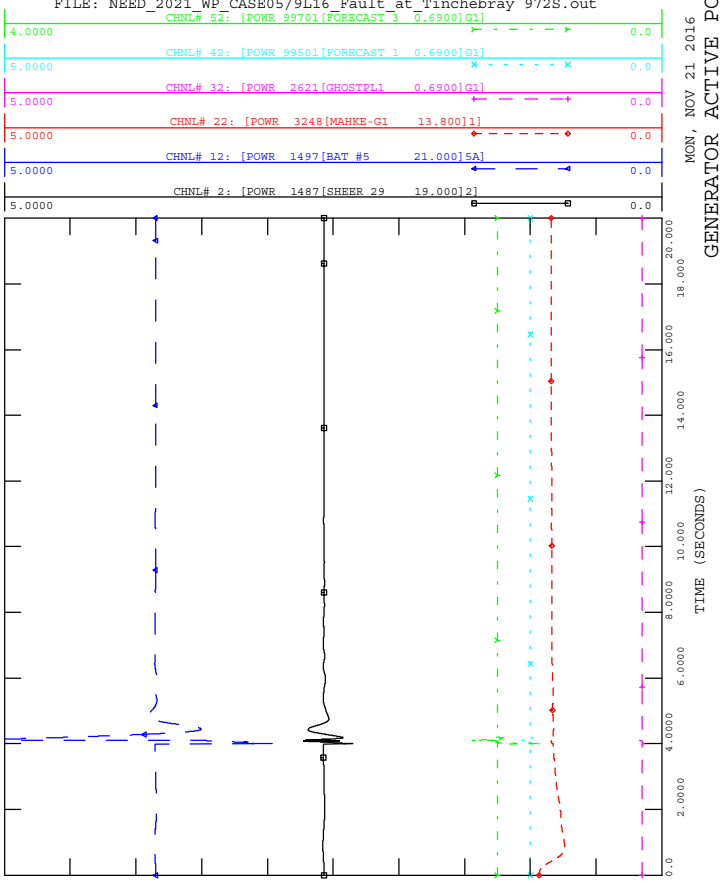
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

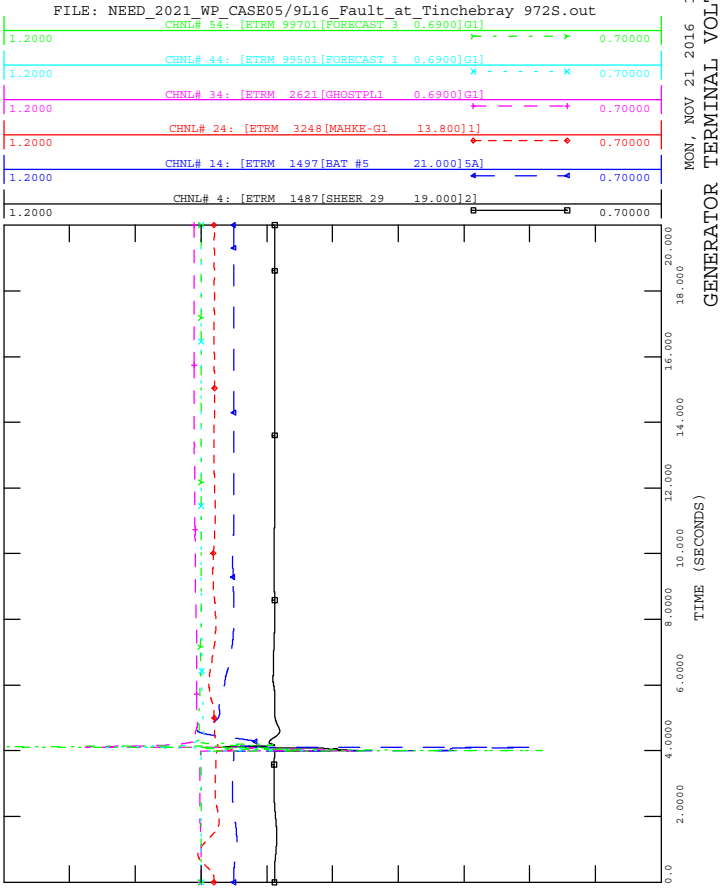
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

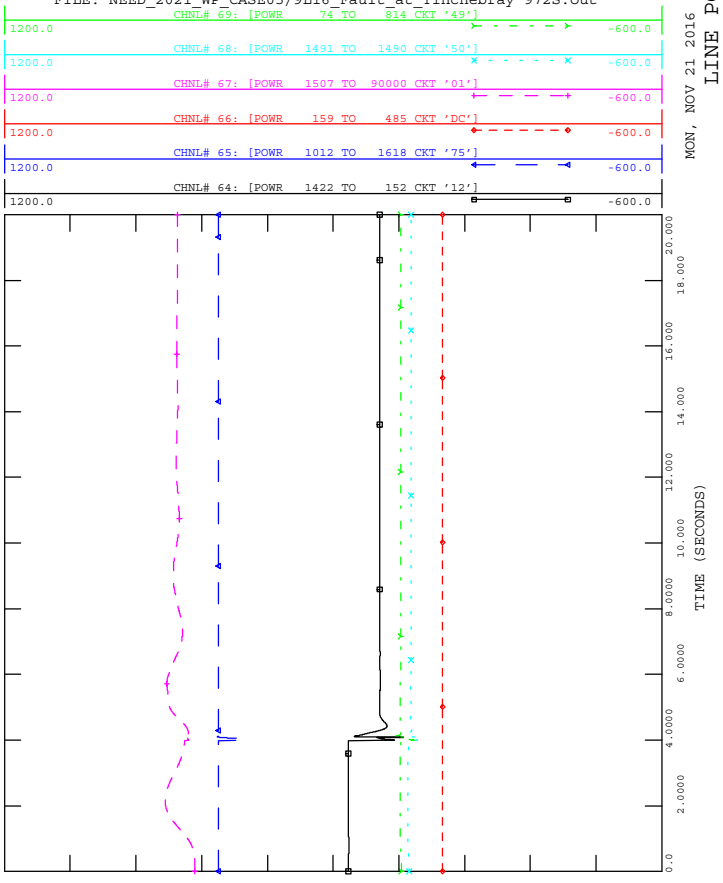
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

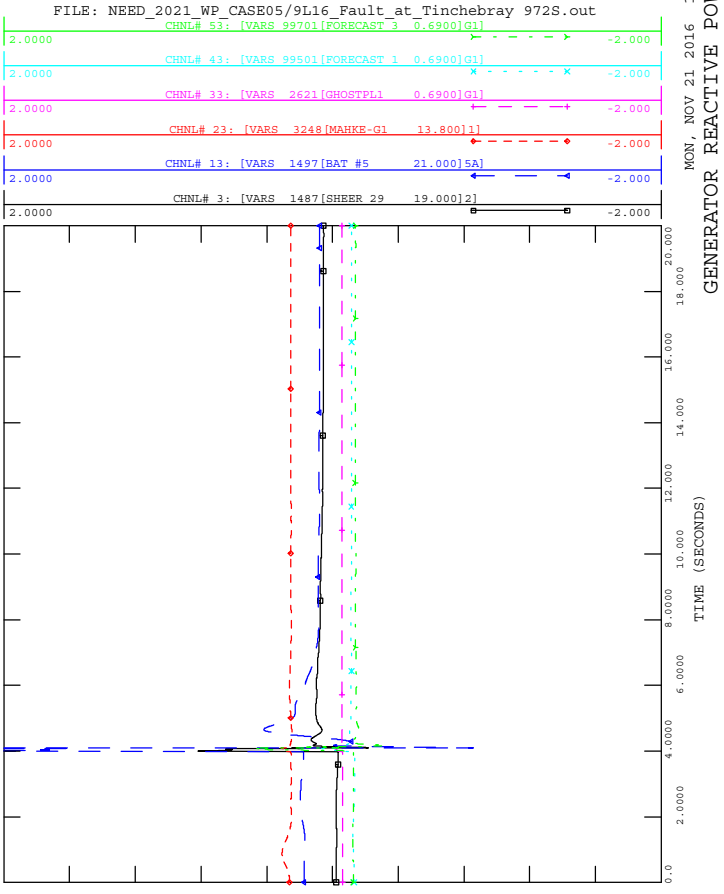
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Tinchebray 972S.out



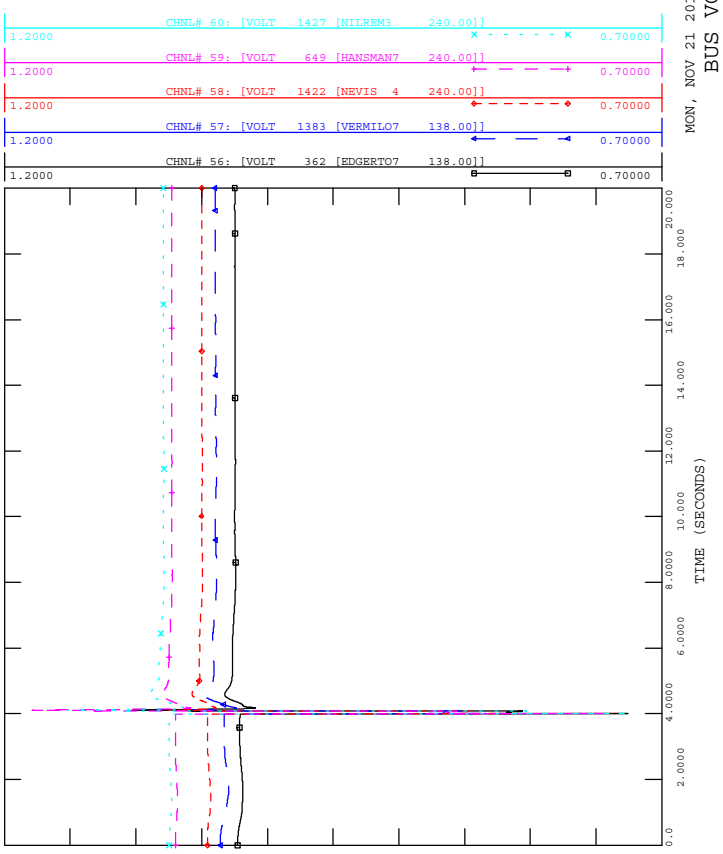
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

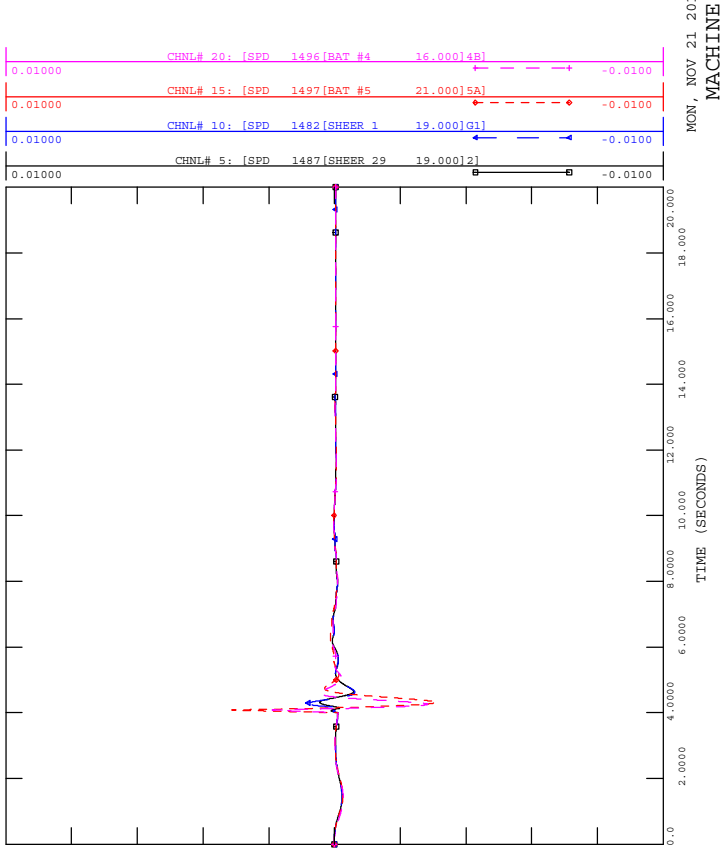


NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

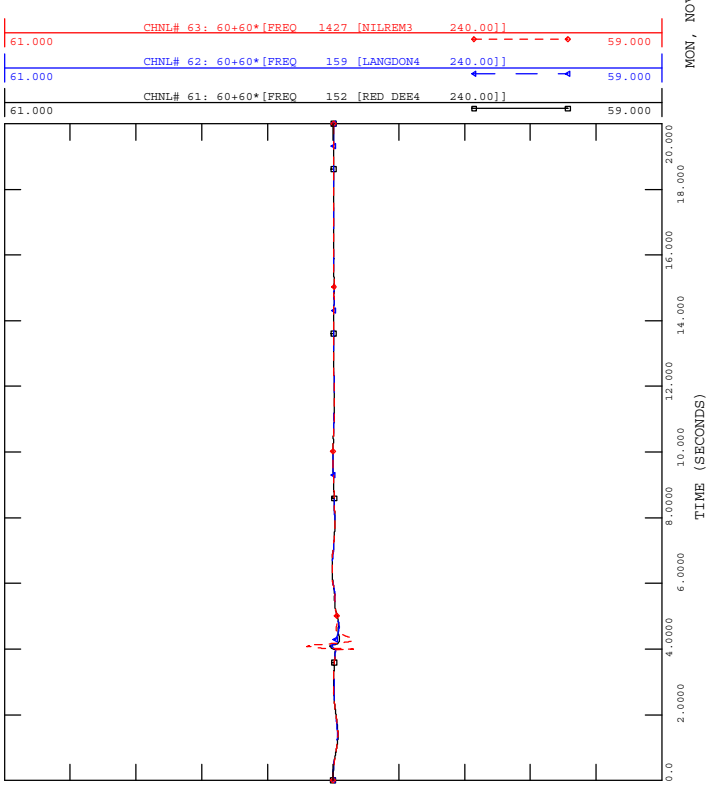


NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:53

FREQUENCY

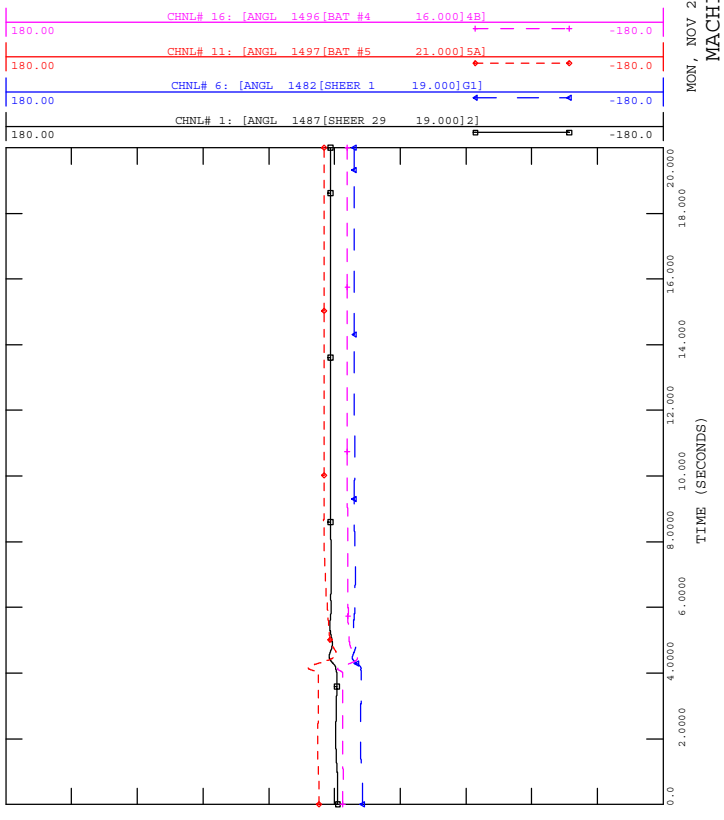


NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out

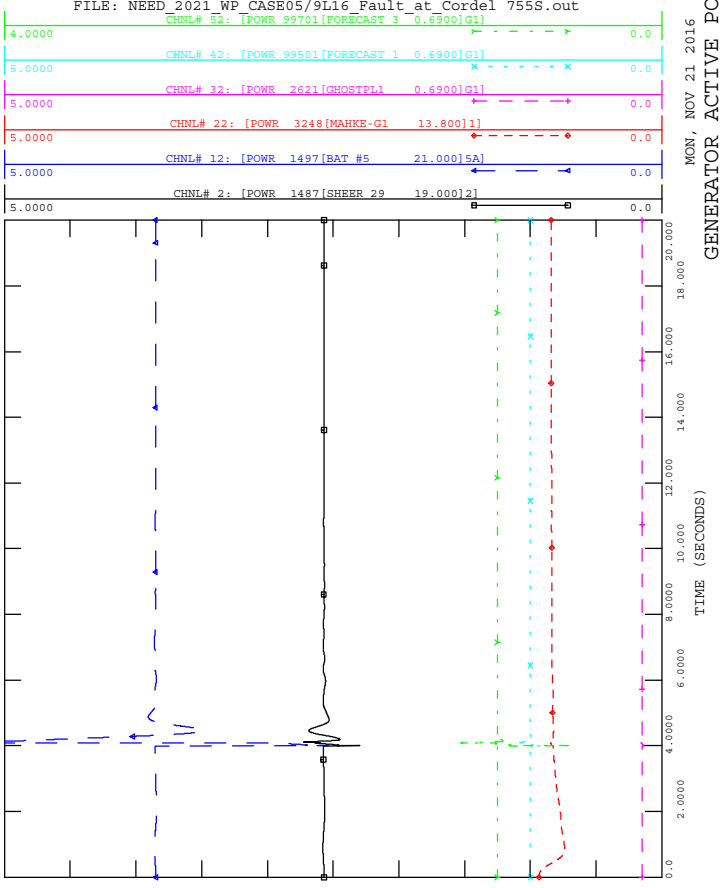
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

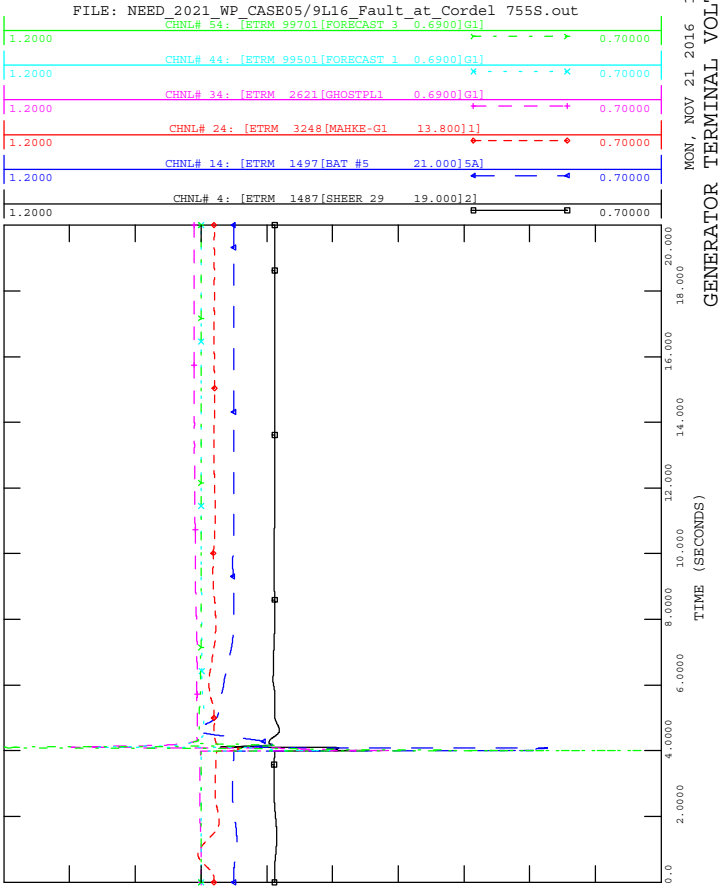
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

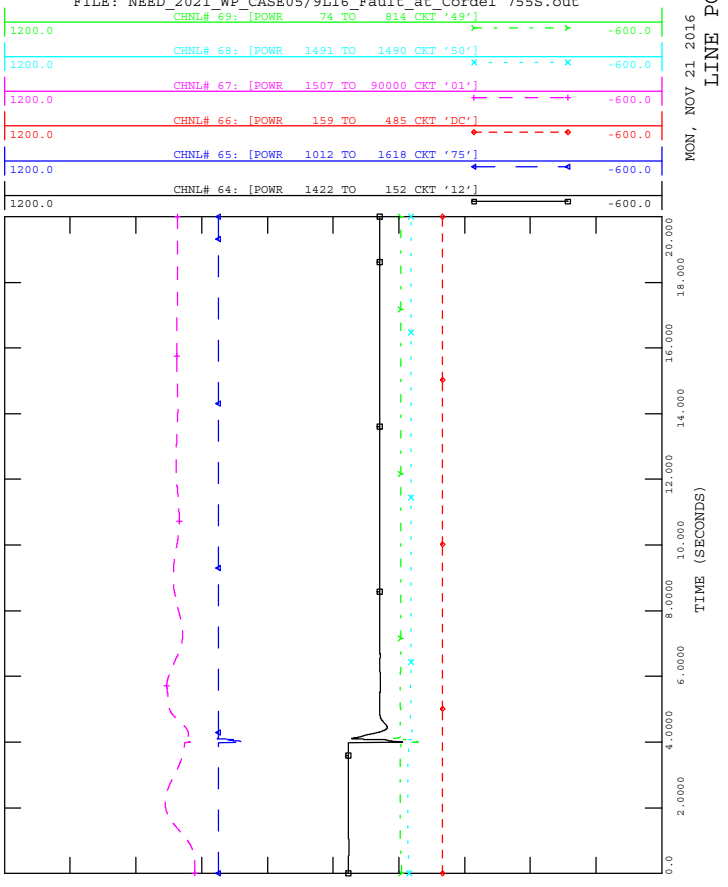
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

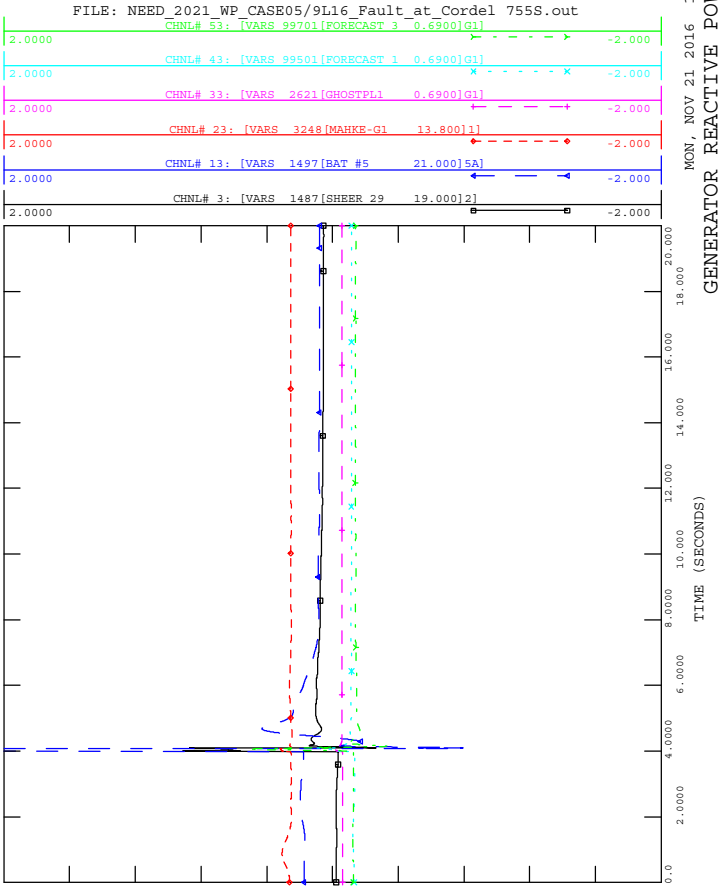
FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L16_Fault_at_Cordel 755S.out



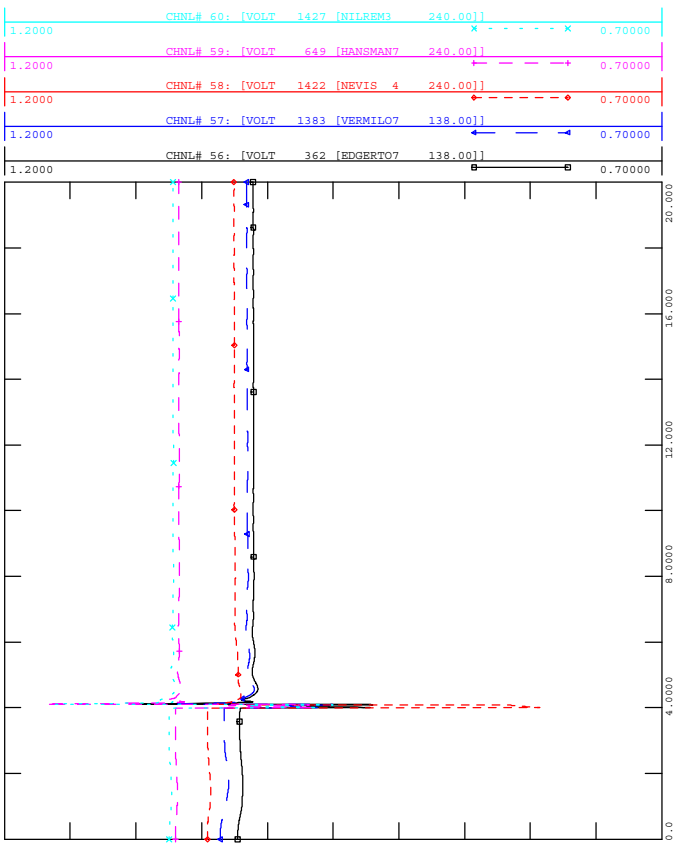
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

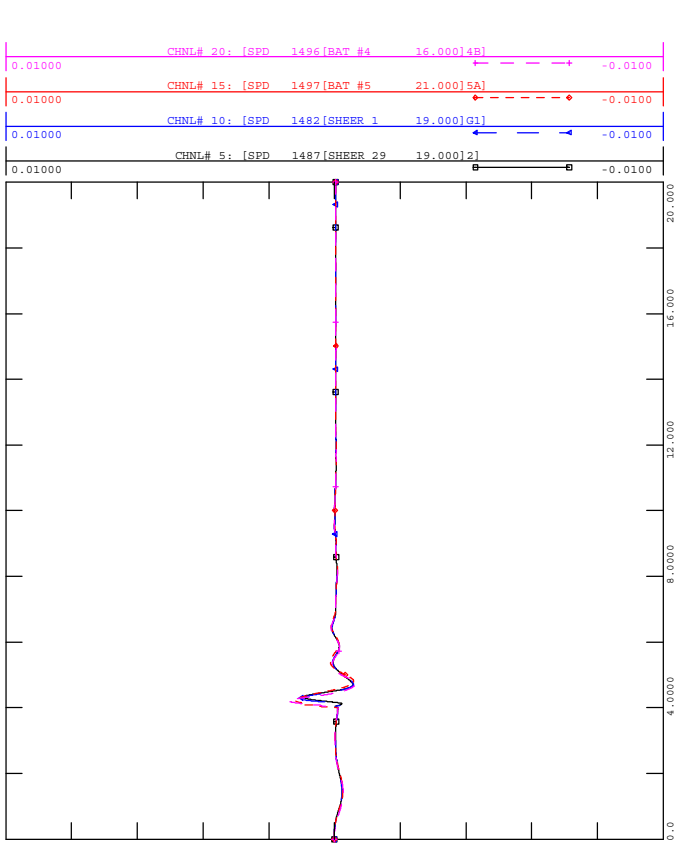


NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

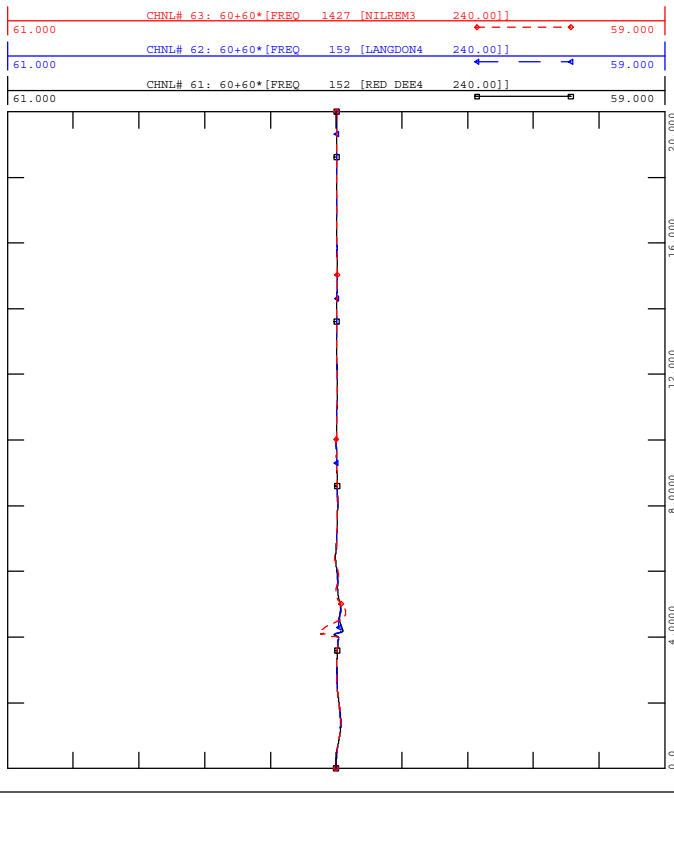


NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:53

FREQUENCY

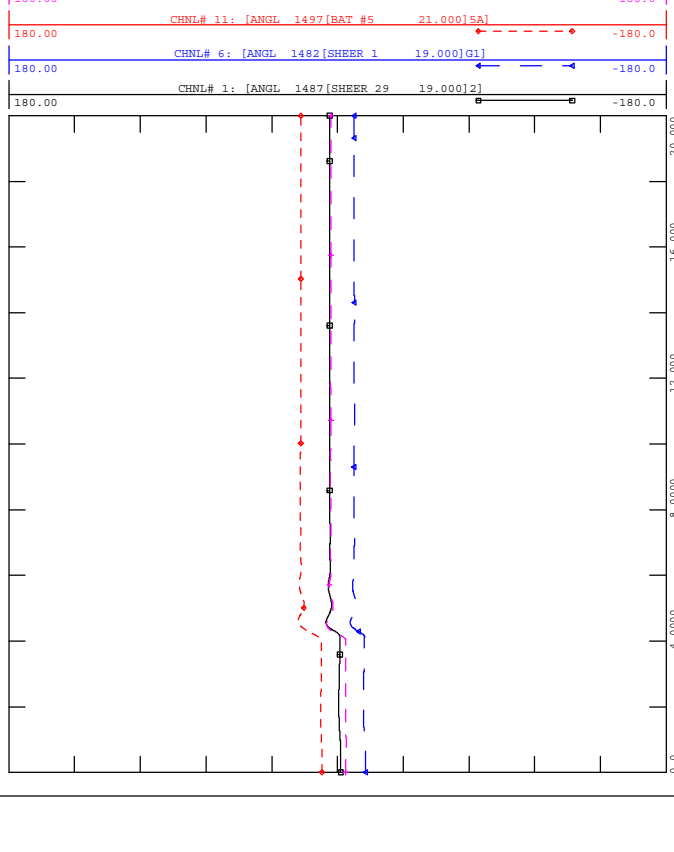


NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:53

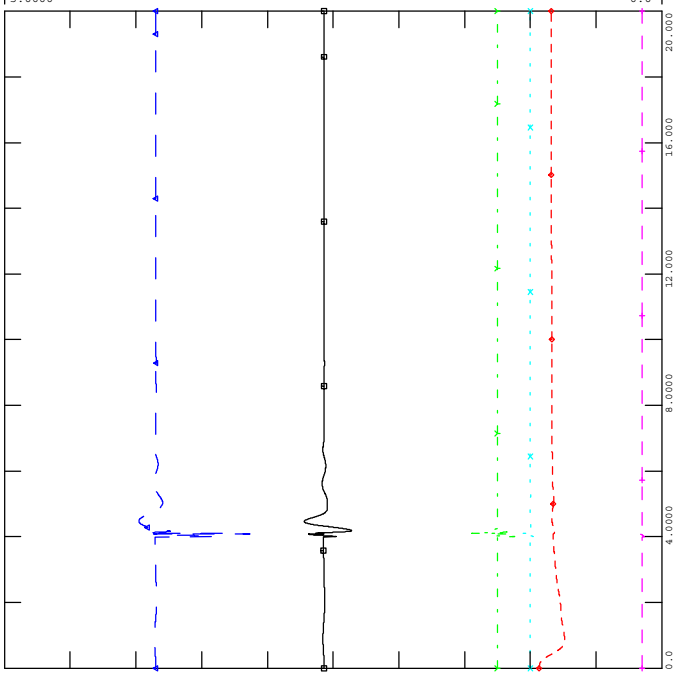
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

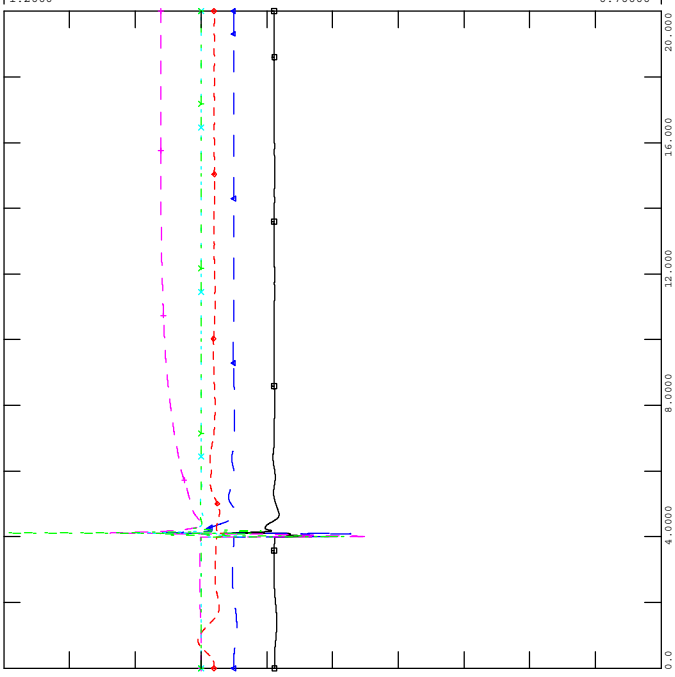


MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

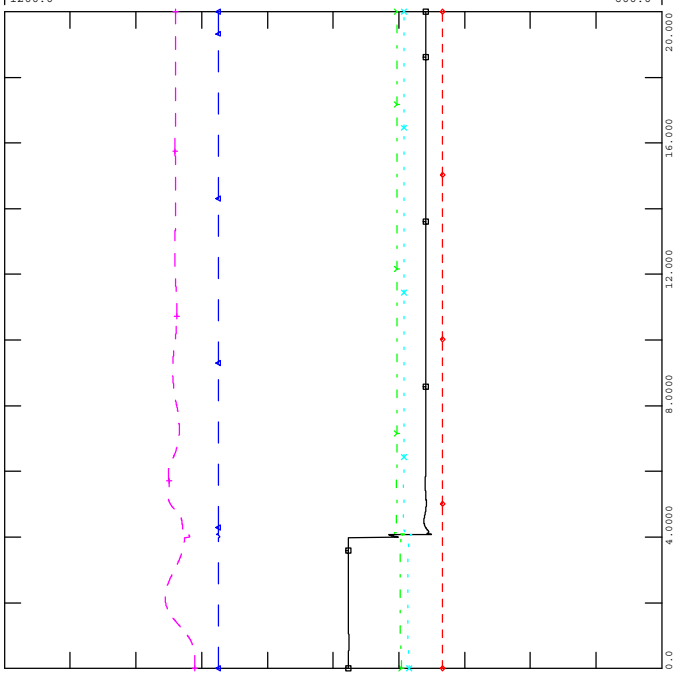


MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

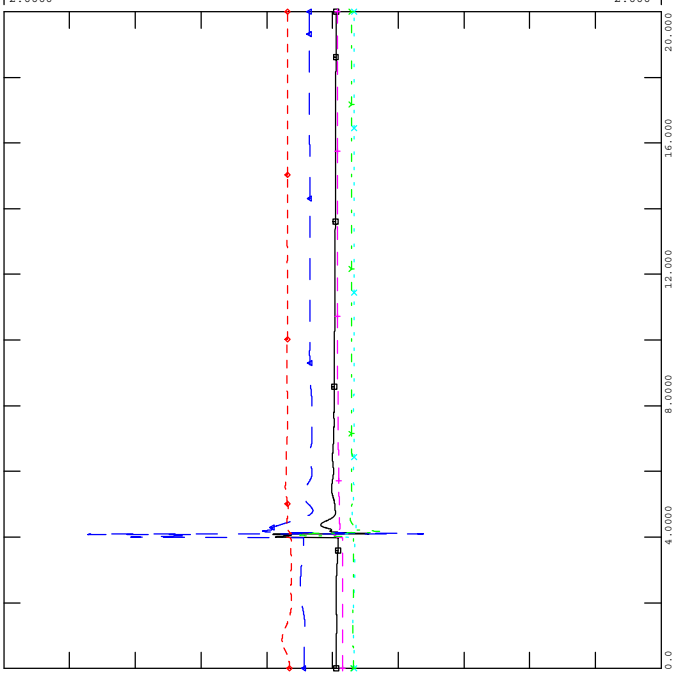


MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Nevis 766S.out

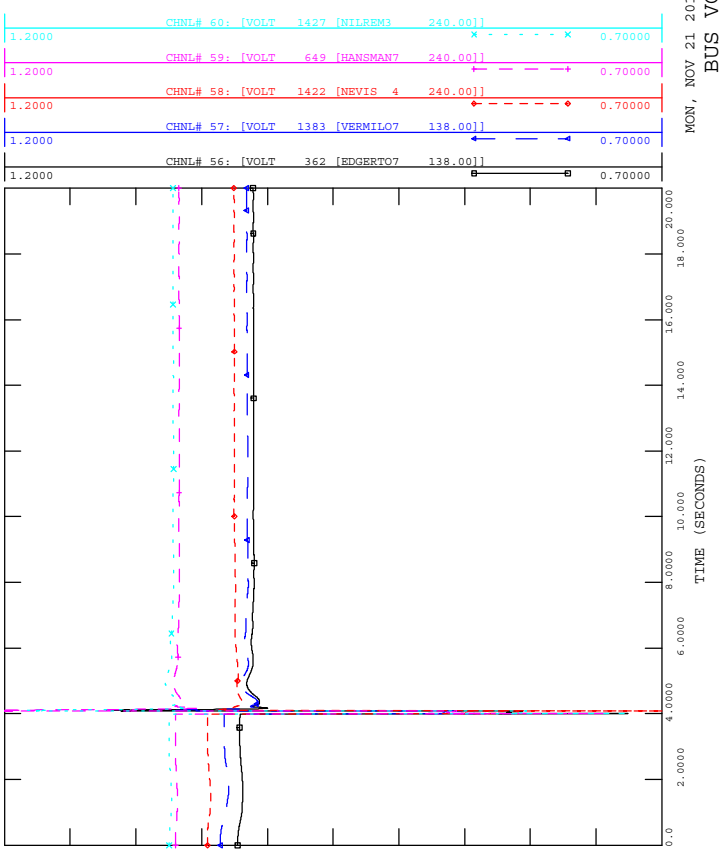
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

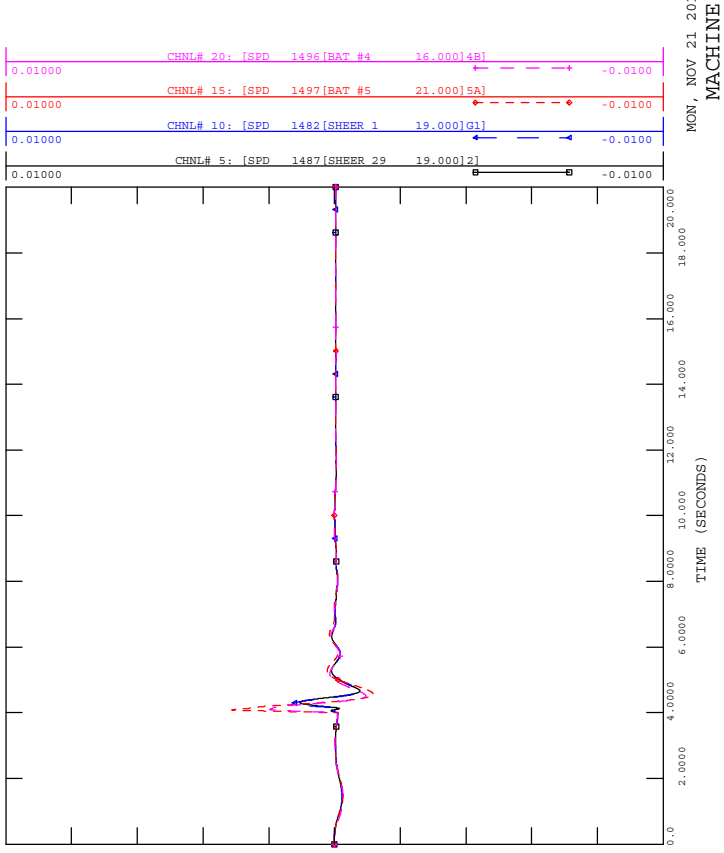
FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

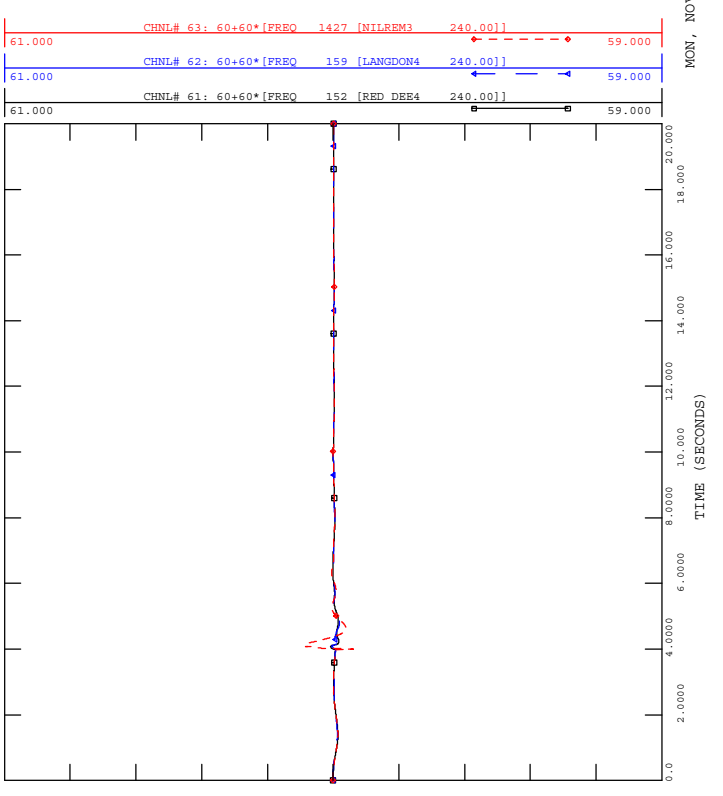
FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

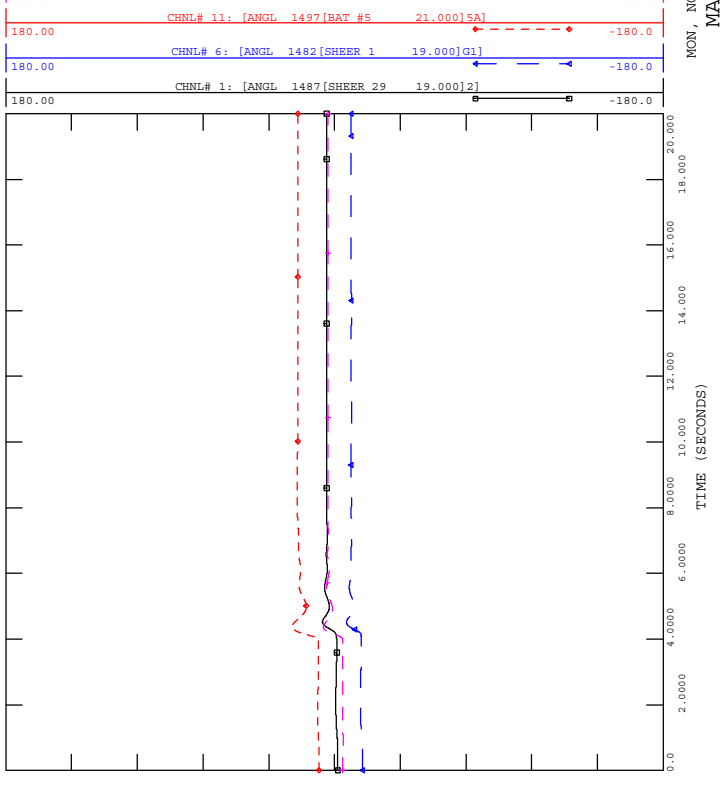
FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

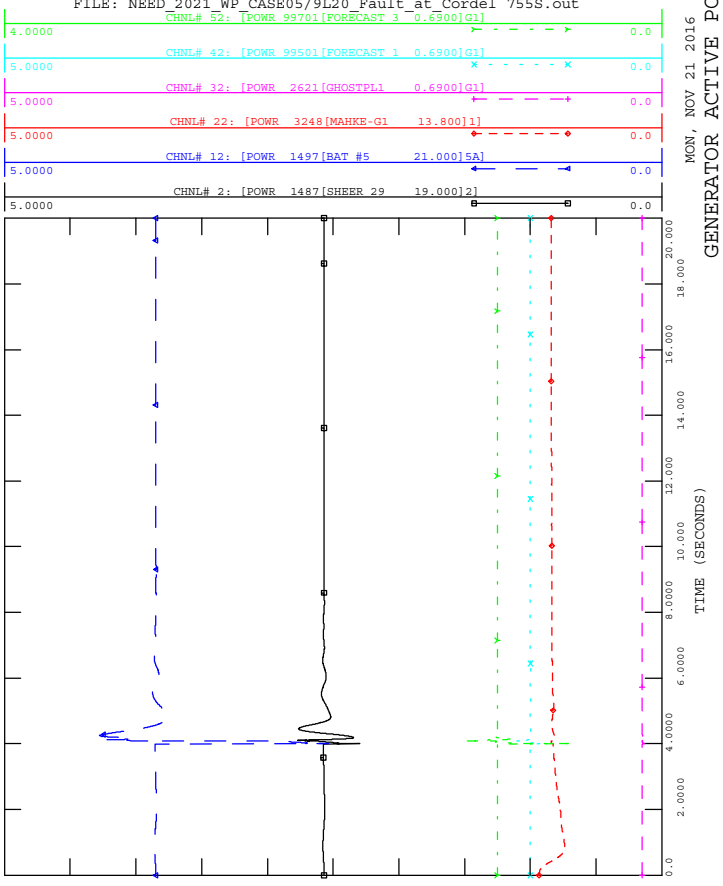
FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

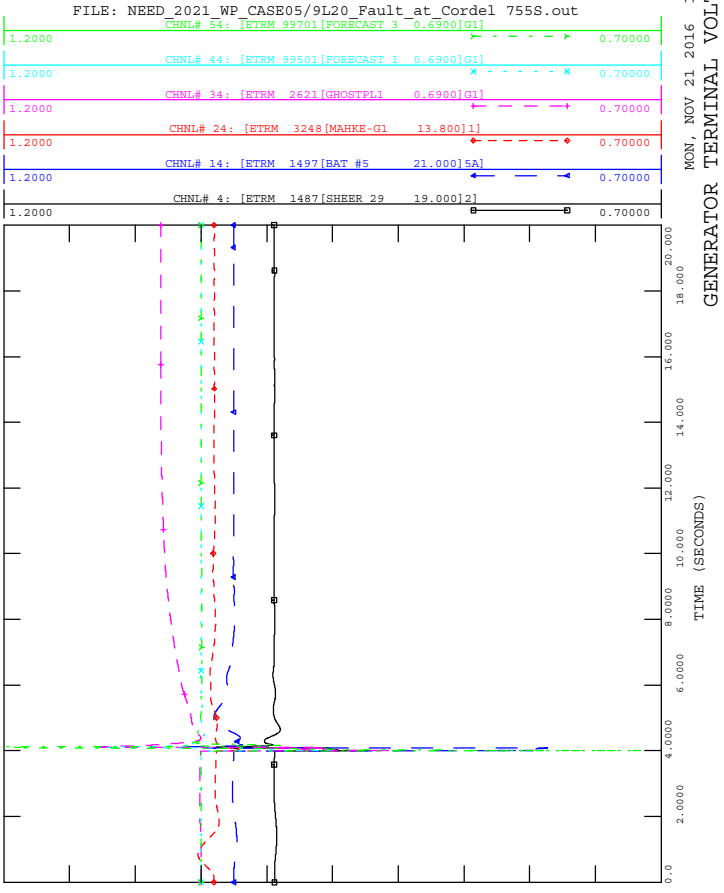
FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

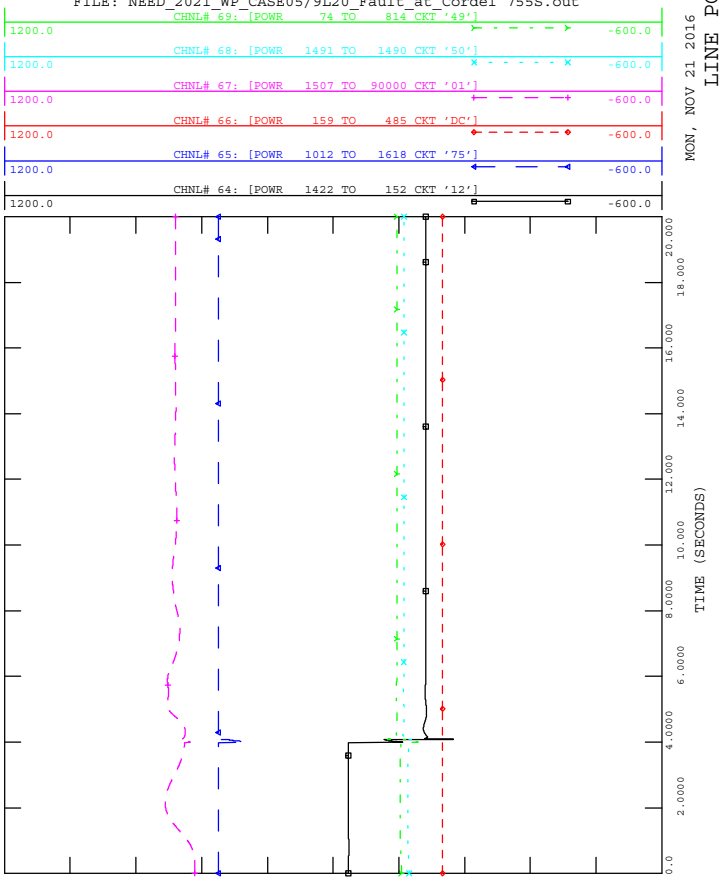
FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

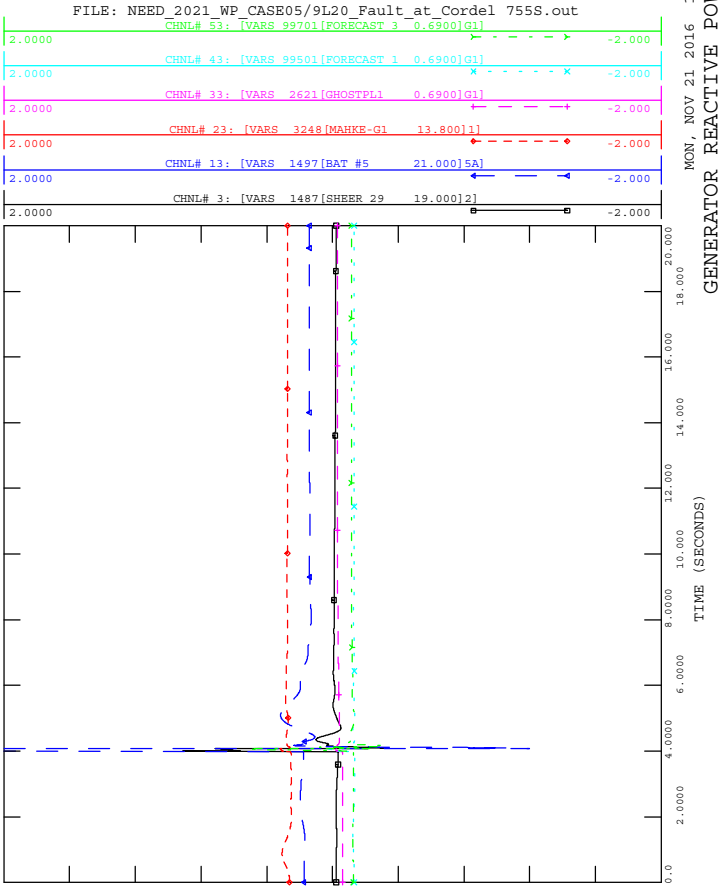
FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

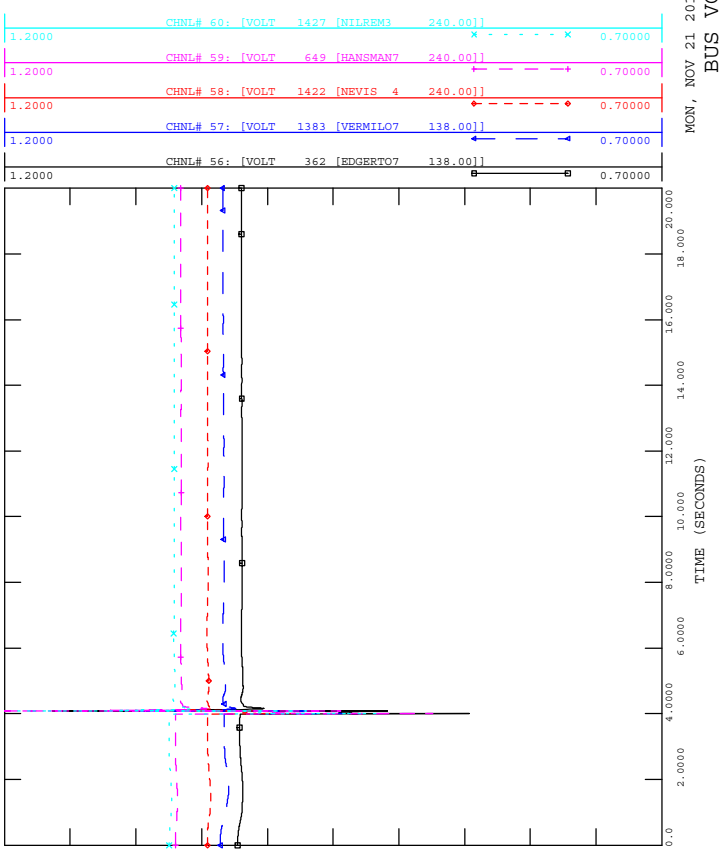
FILE: NEED_2021_WP_CASE05/9L20_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

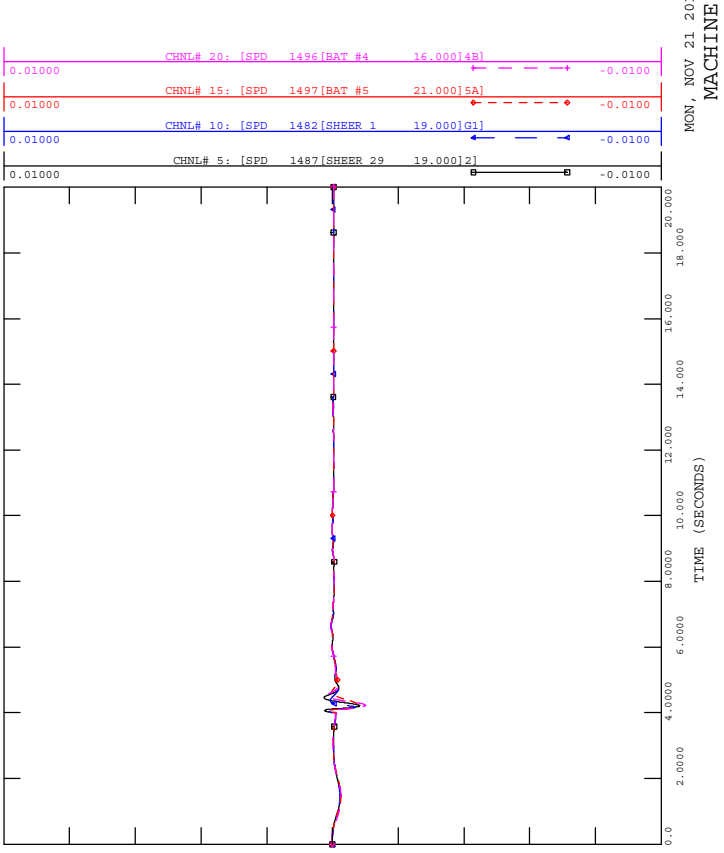
FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 12:53
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

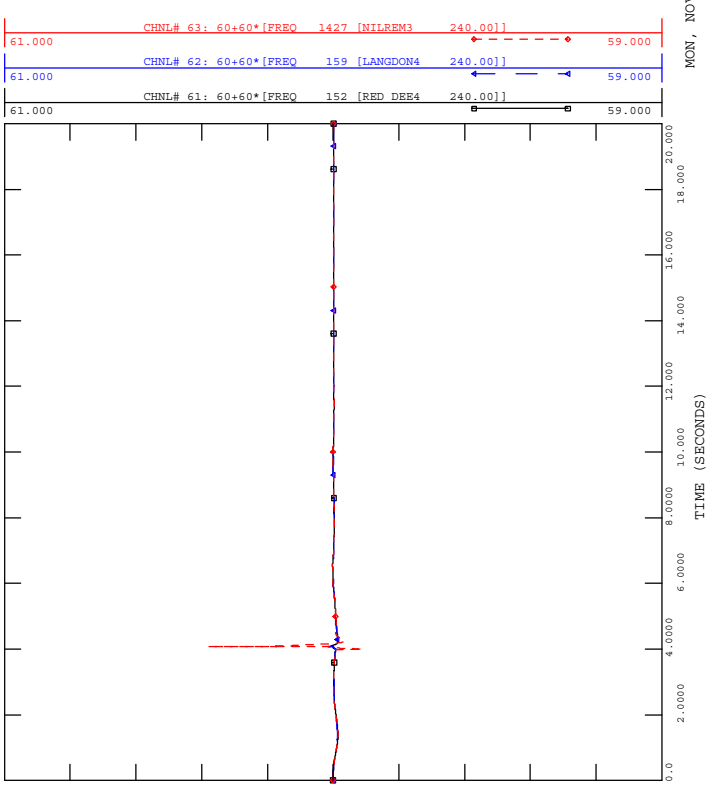
FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 12:53
MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

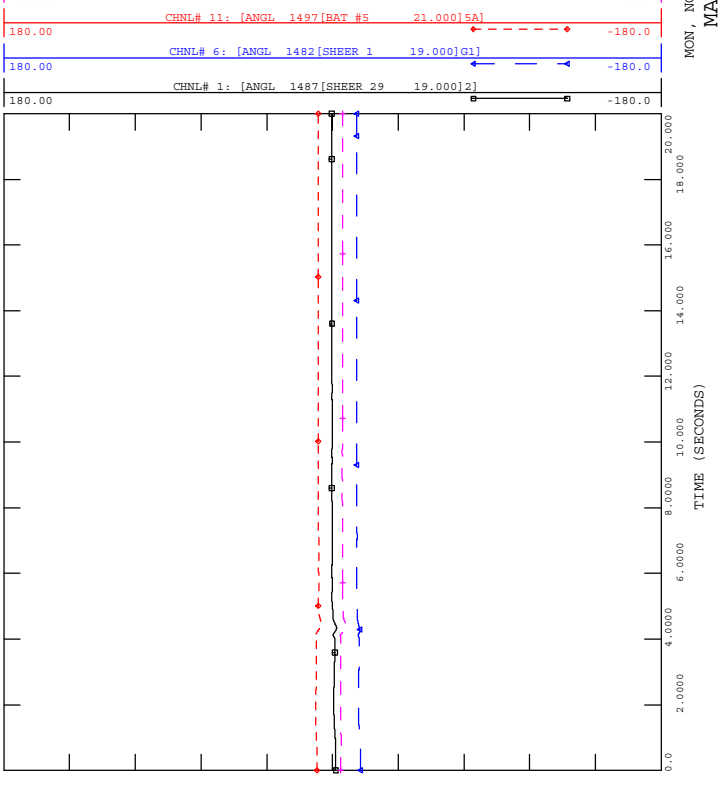
FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 12:53
FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

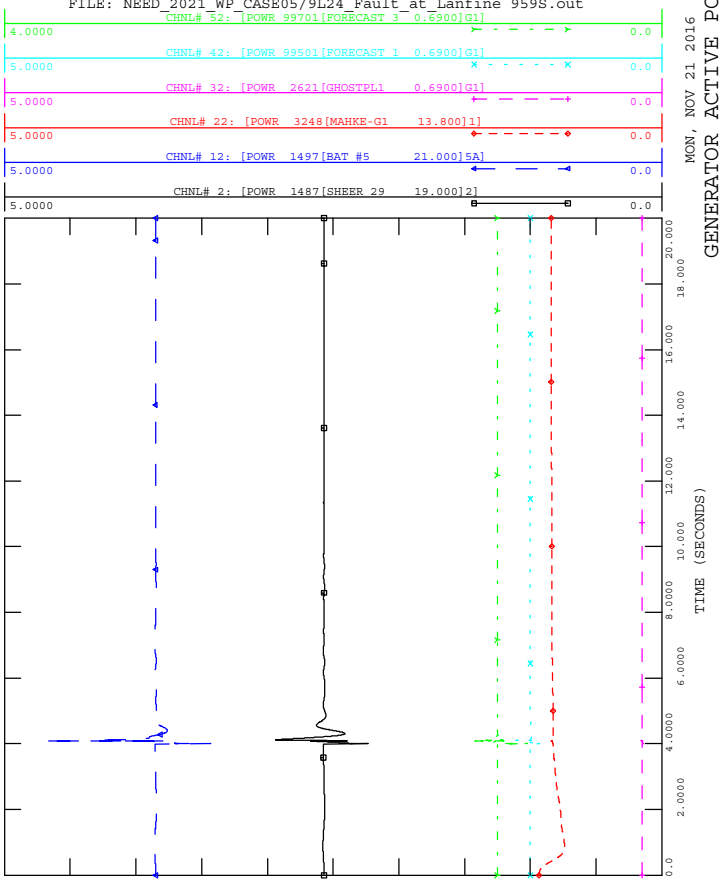
FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 12:53
MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out

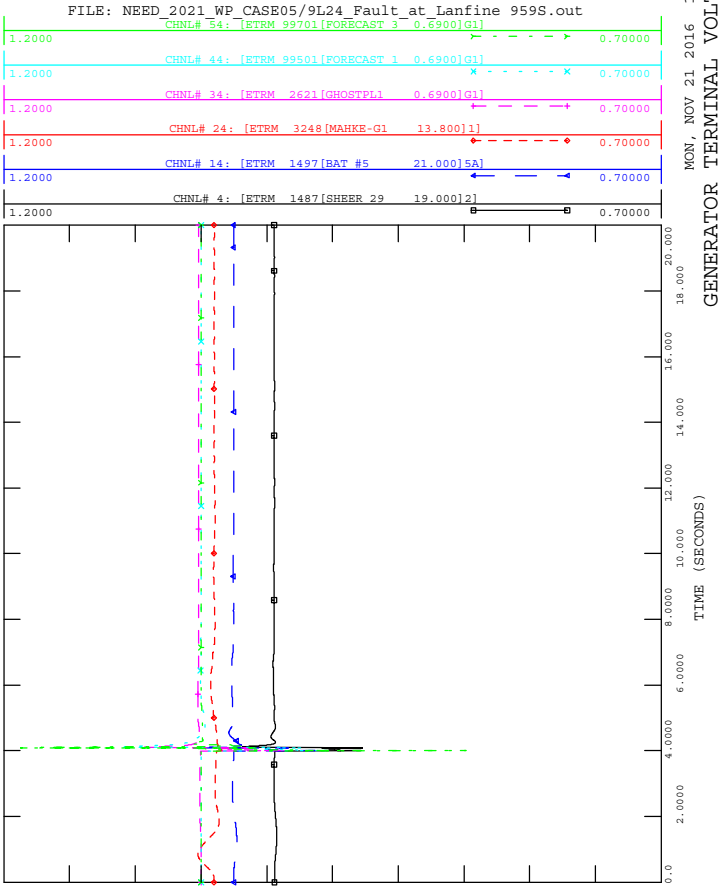


MON, NOV 21 2016 12:53

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out

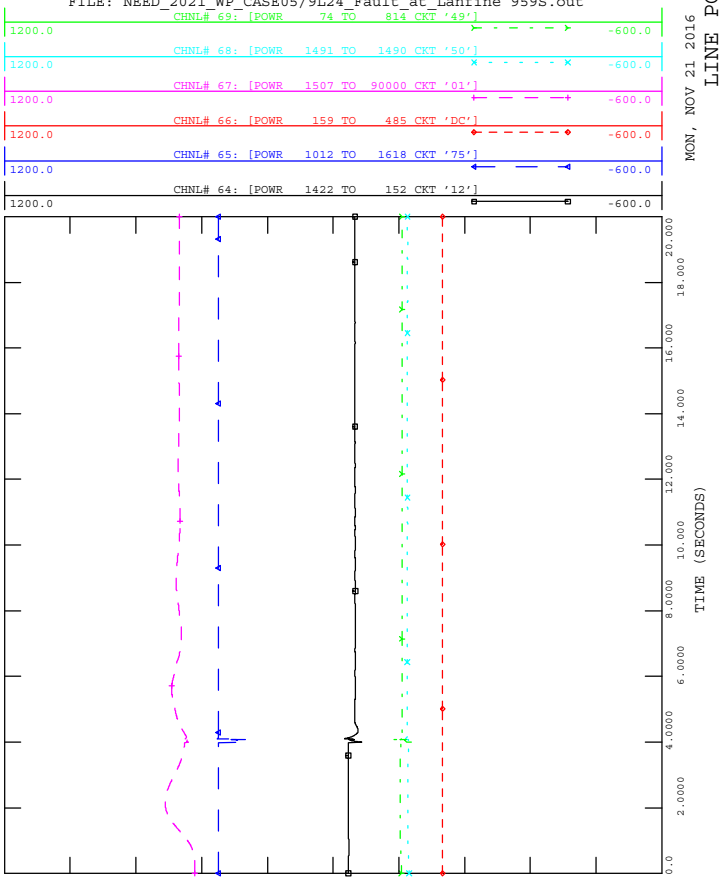


MON, NOV 21 2016 12:53

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out

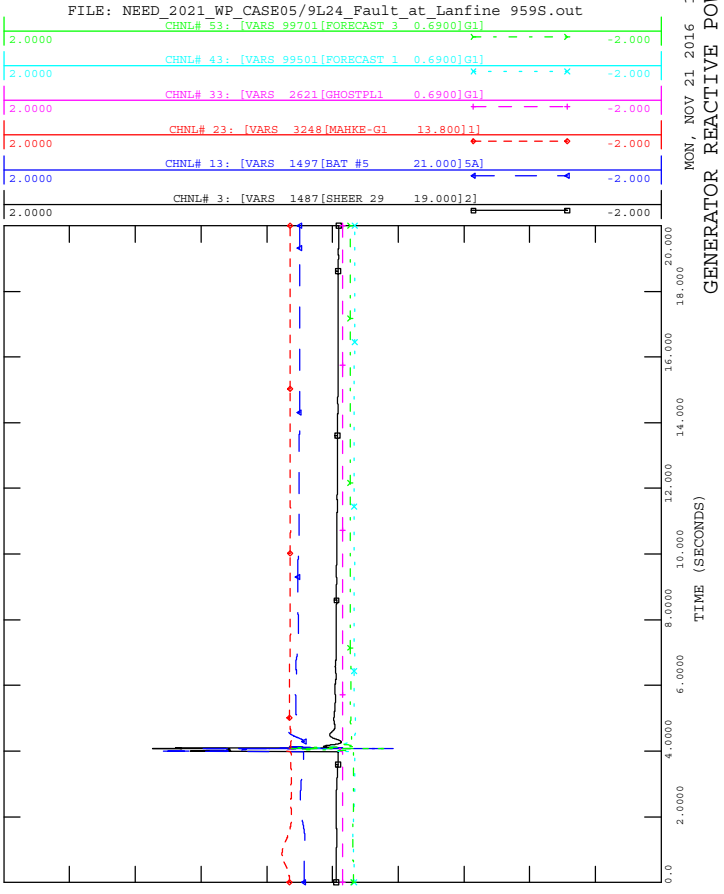


MON, NOV 21 2016 12:53

LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 12:53

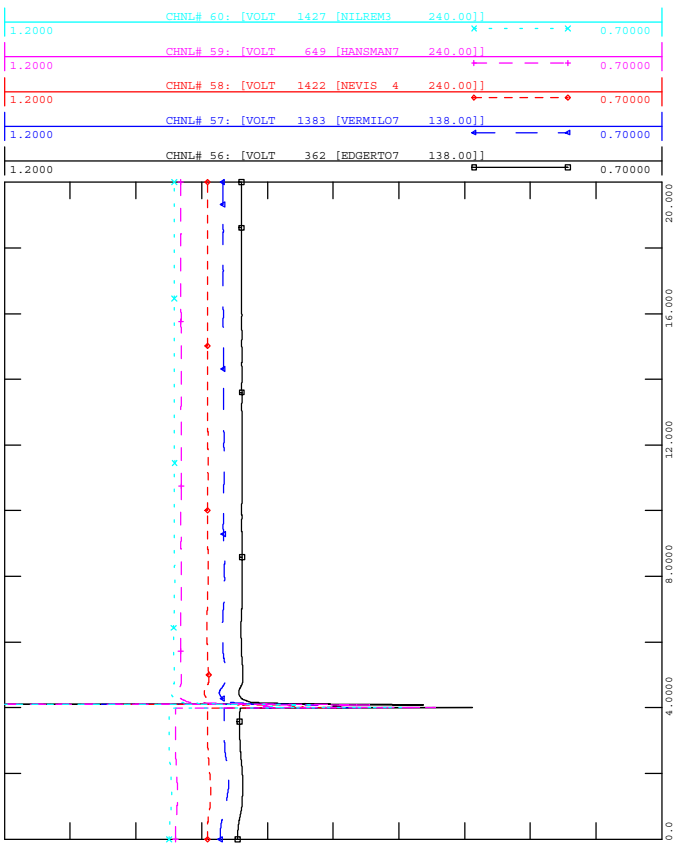
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

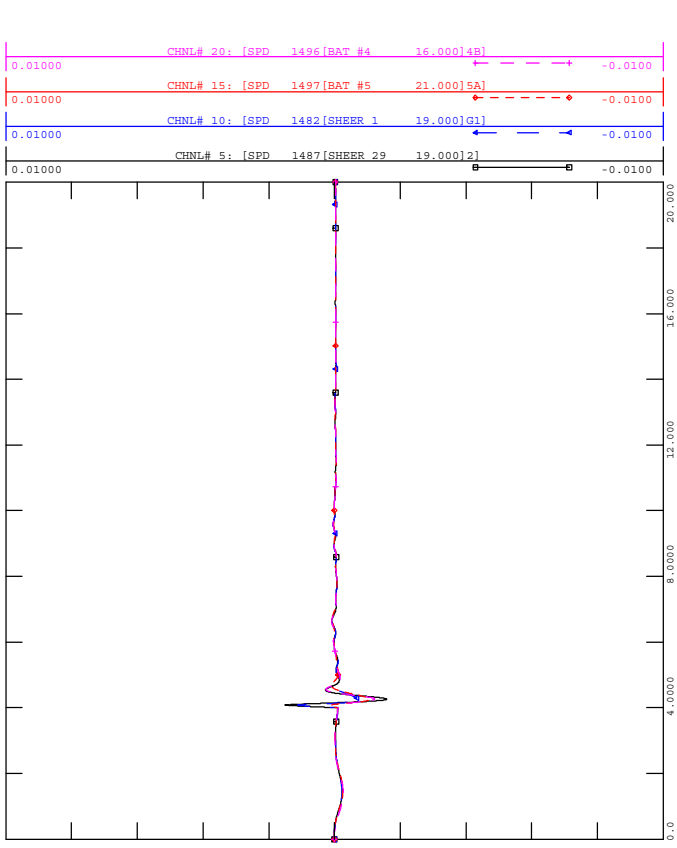


NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

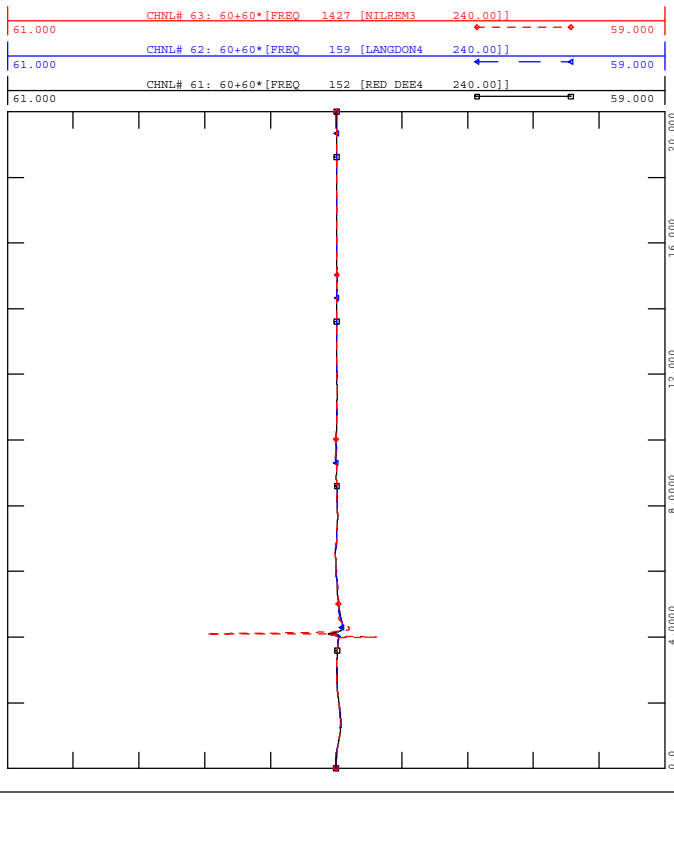


NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:53

FREQUENCY

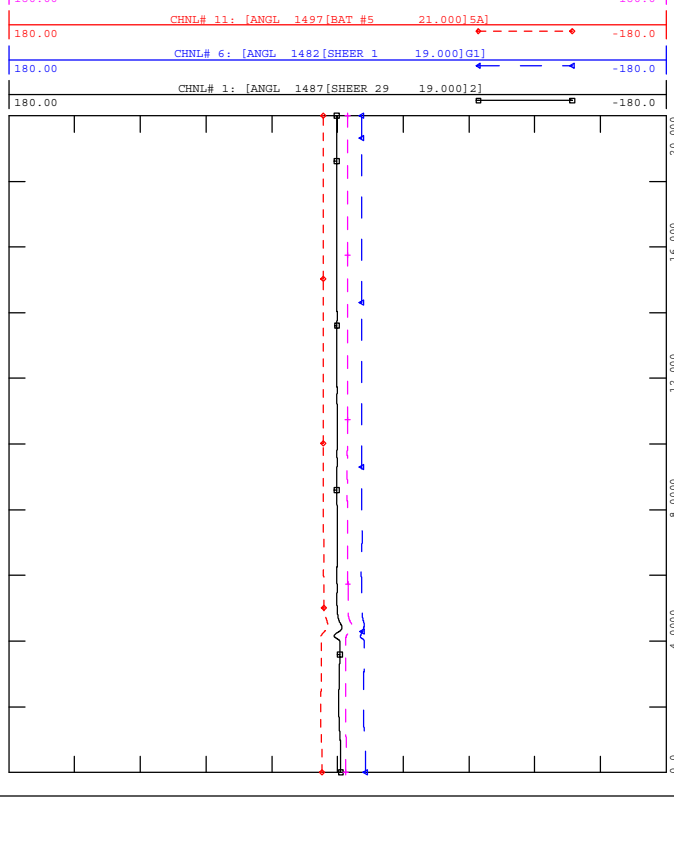


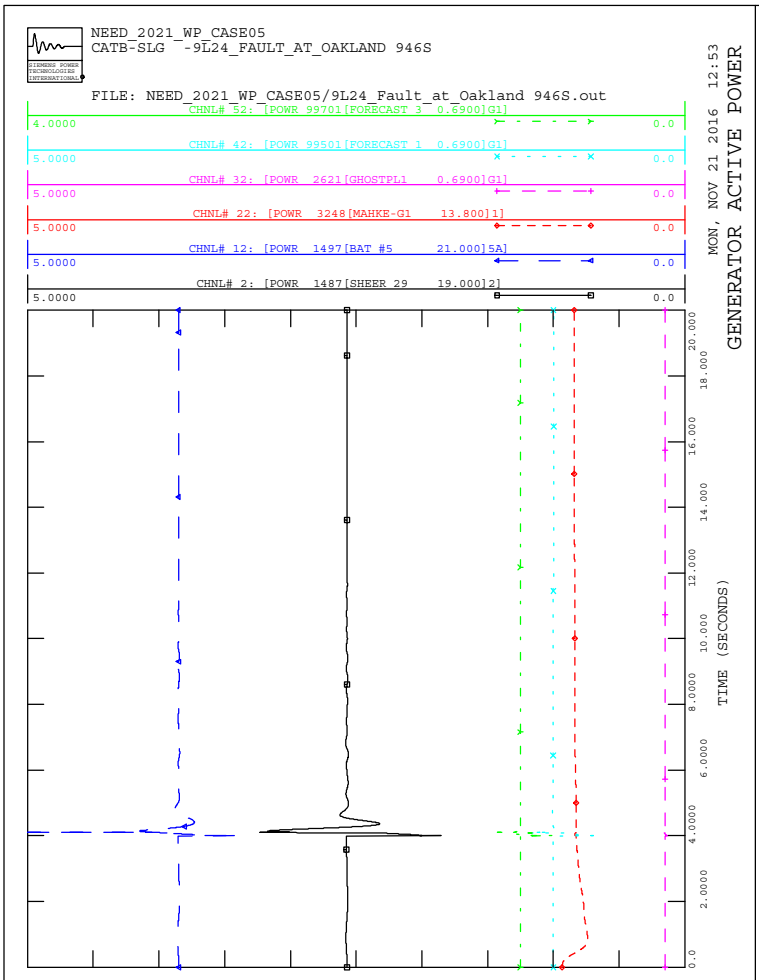
NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

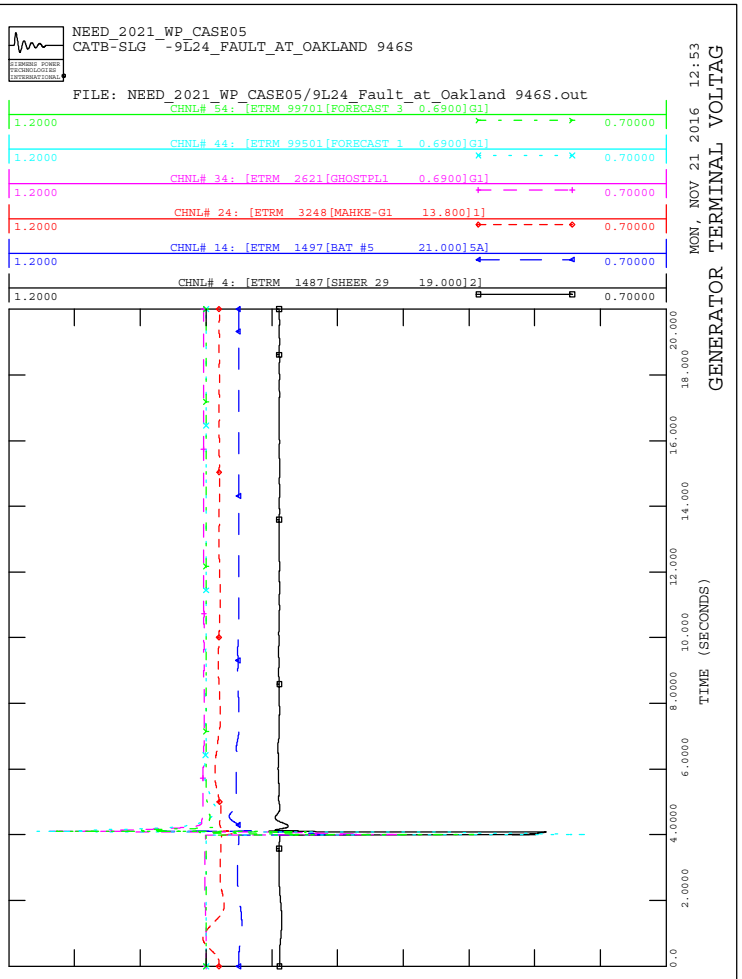
FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out

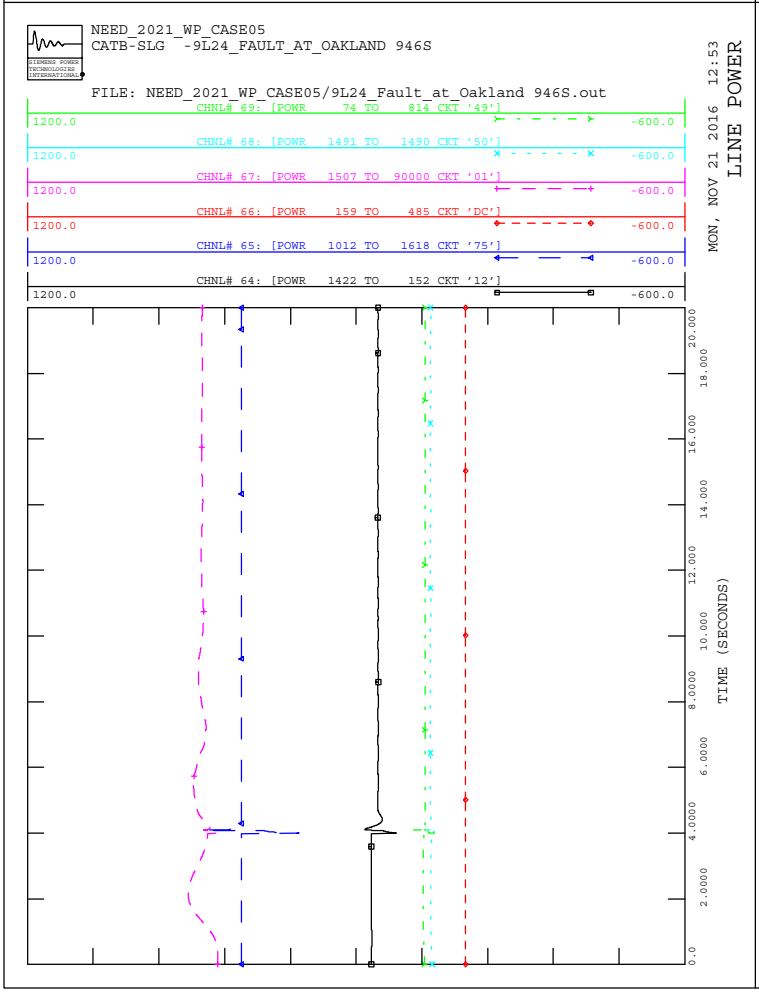
MON, NOV 21 2016 12:53

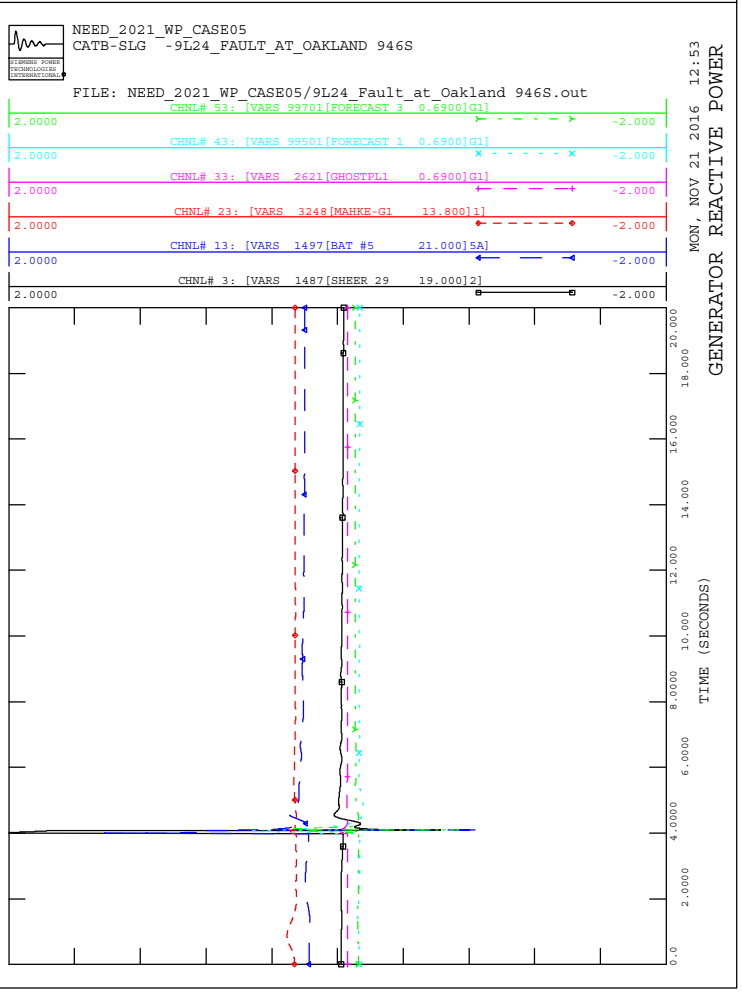
MACHINE ANGEL




NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:53


NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:53


NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
LINE POWER
MON, NOV 21 2016 12:53

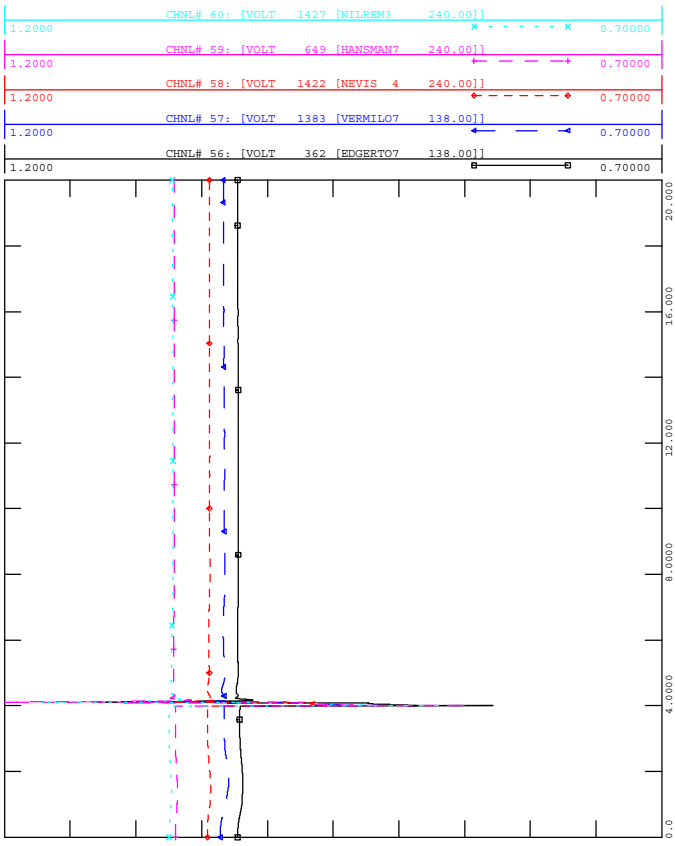

NEED_2021_WP_CASE05
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: NEED_2021_WP_CASE05/9L24_Fault_at_Oakland 946S.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

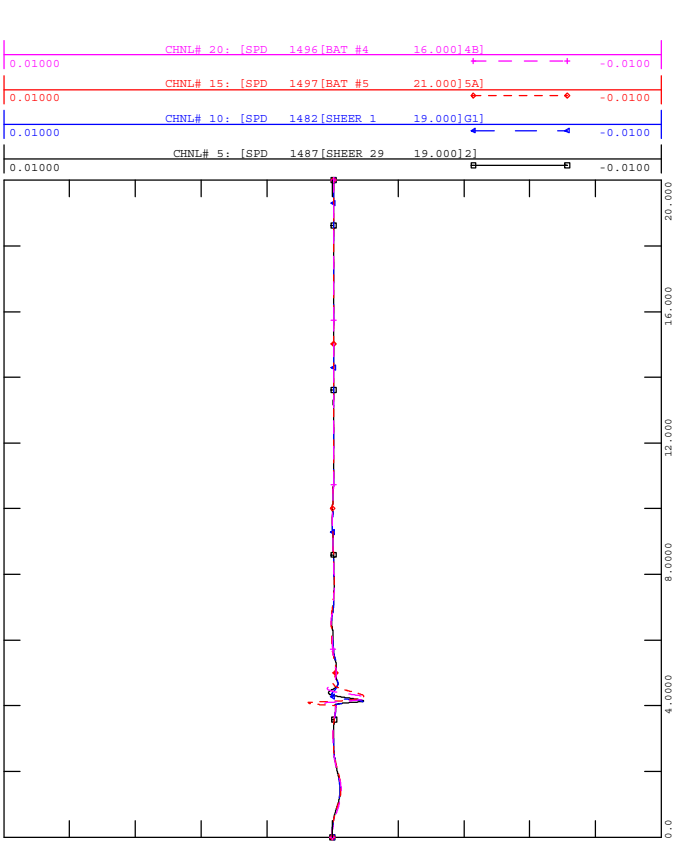


NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

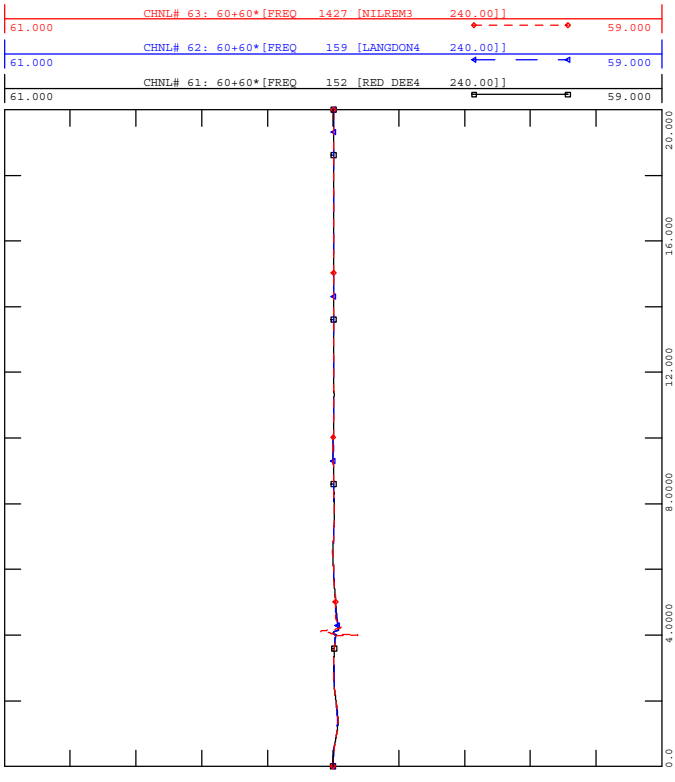


NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:53

FREQUENCY

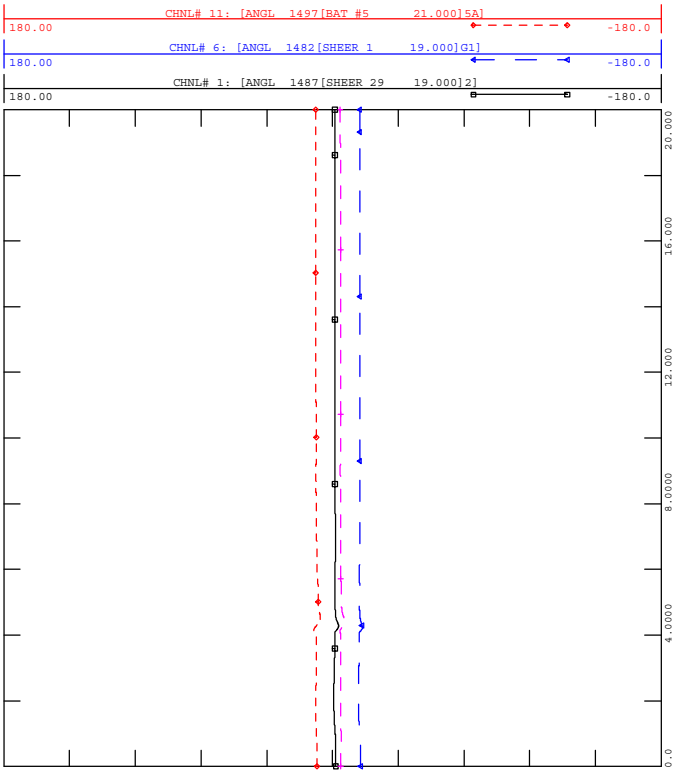


NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out

MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
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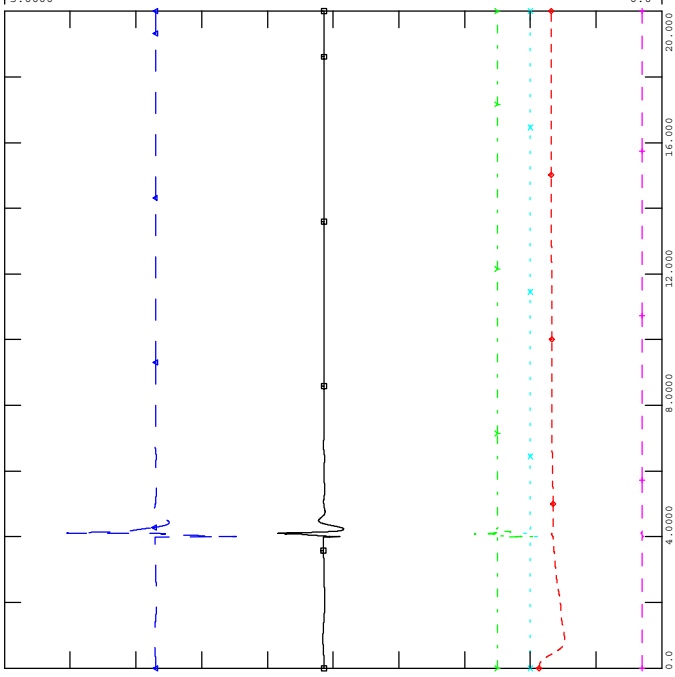
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

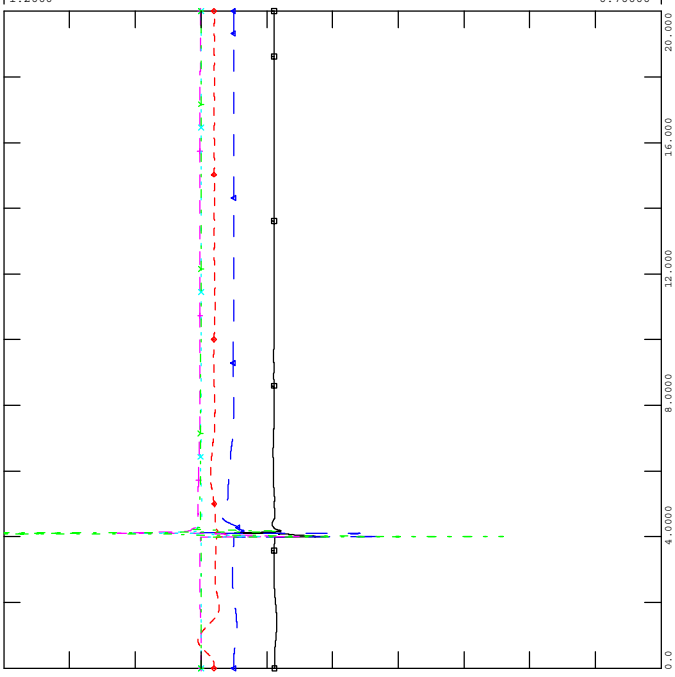


MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

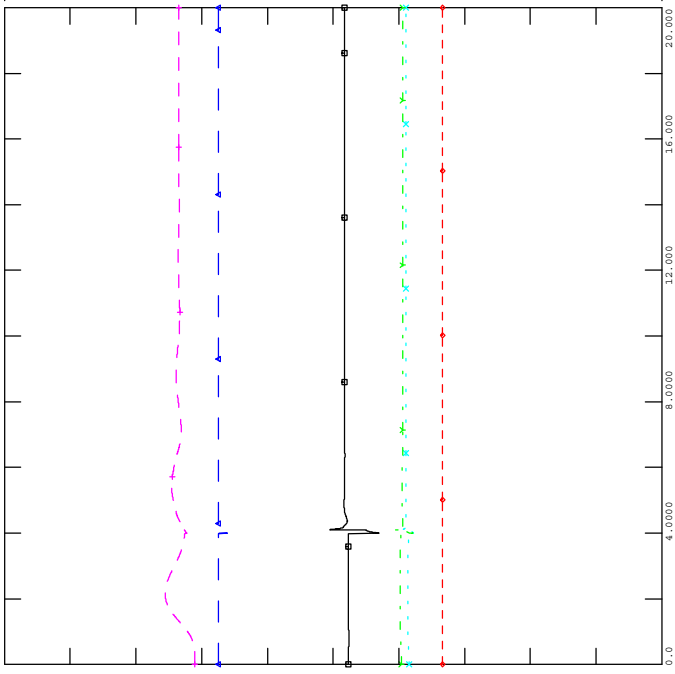


MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

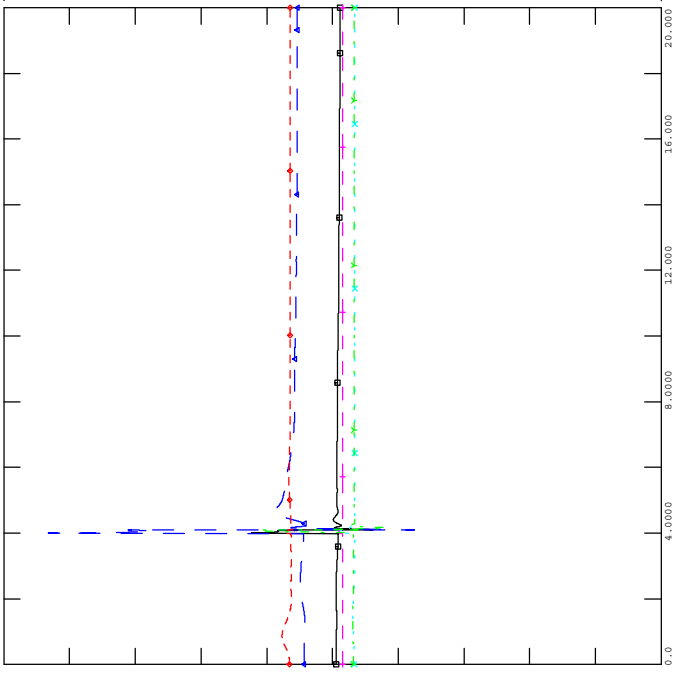


MON, NOV 21 2016 12:53
LINE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Paintearth 863S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



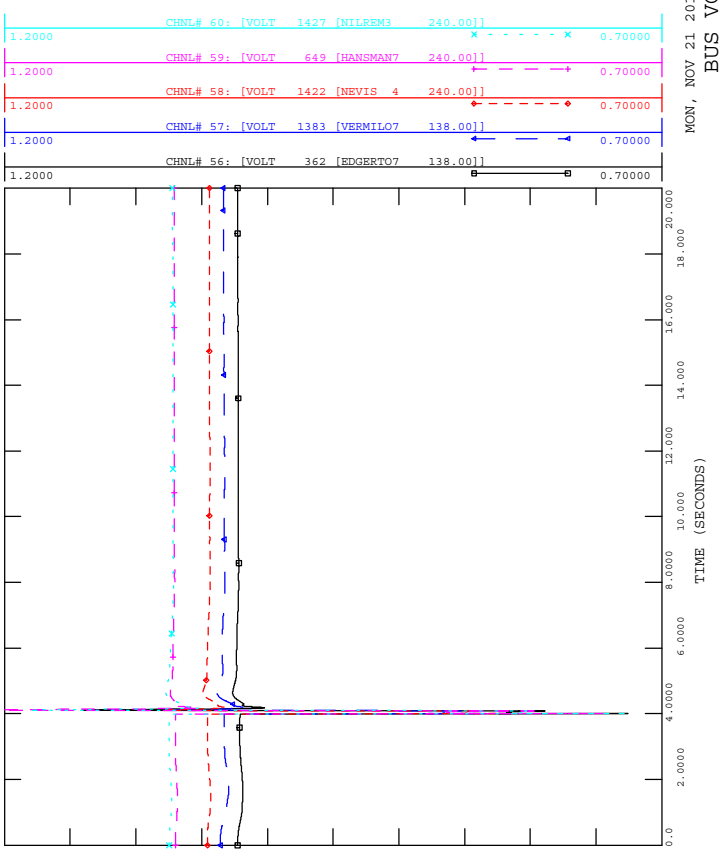
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

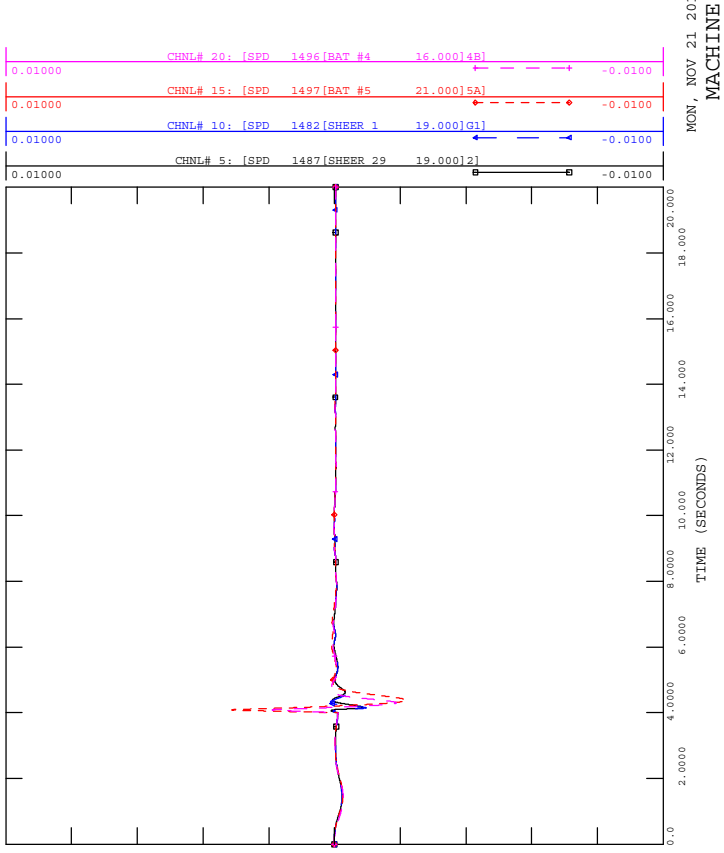


NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

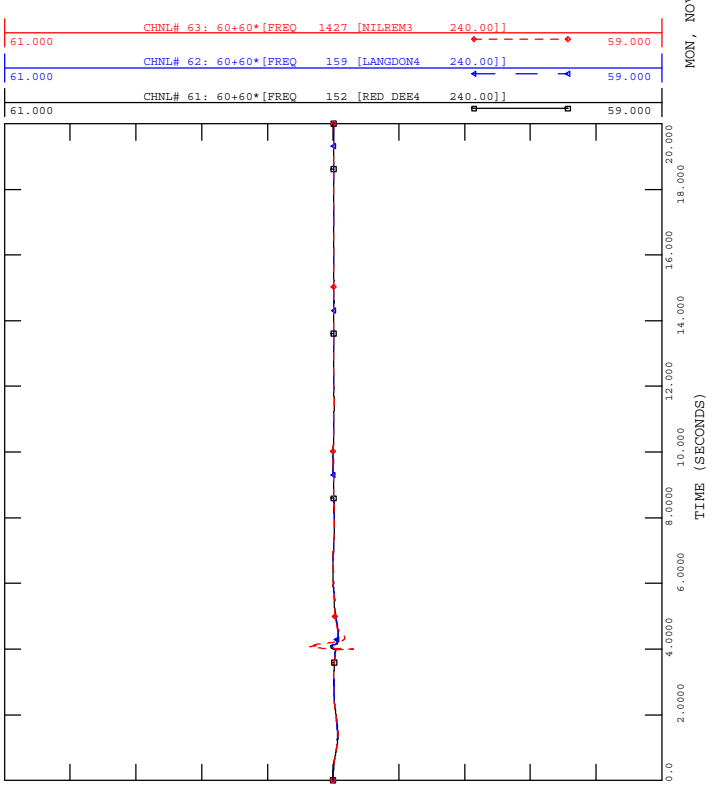


NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:53

FREQUENCY

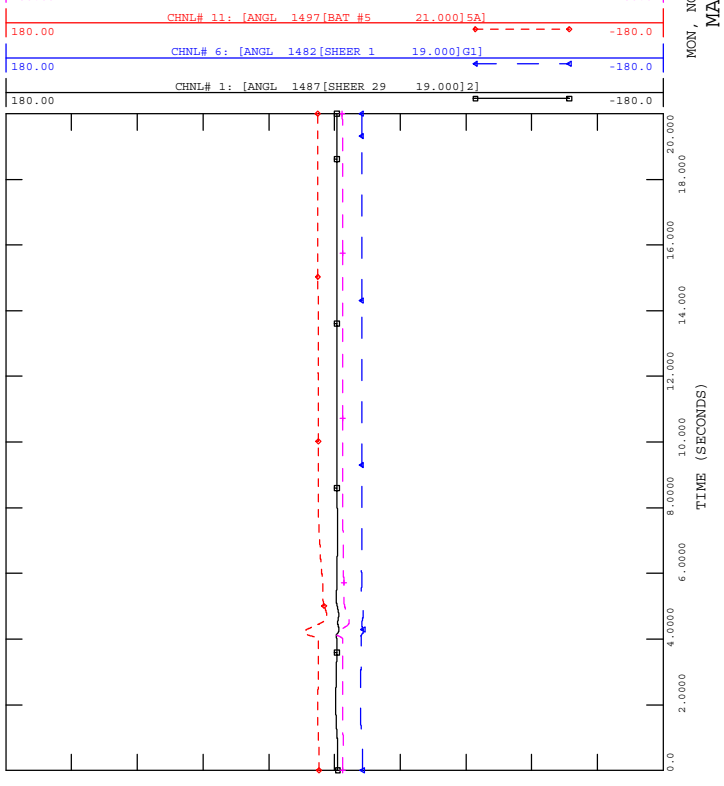


NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out

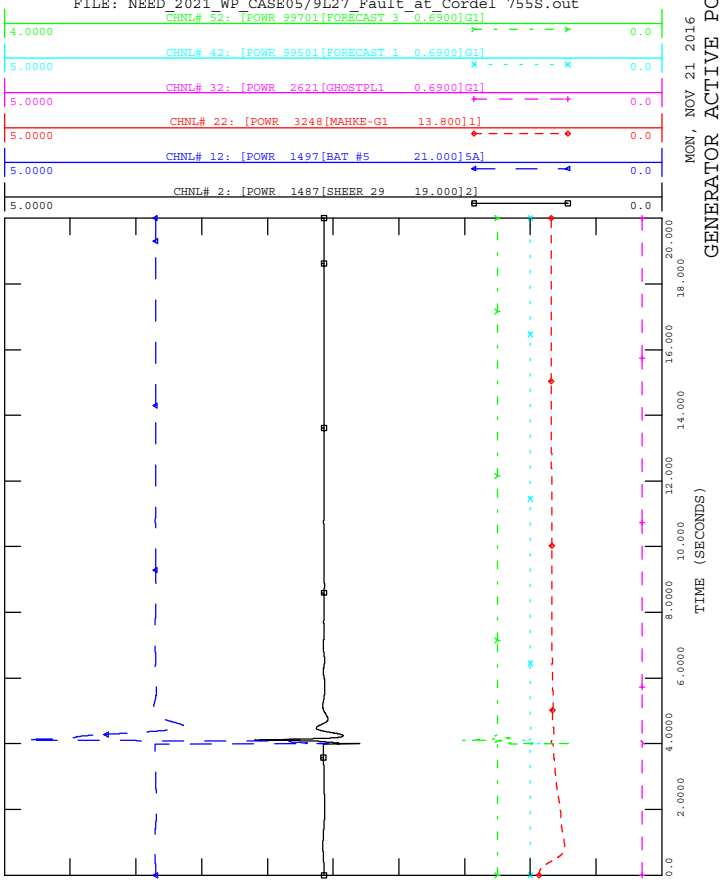
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out

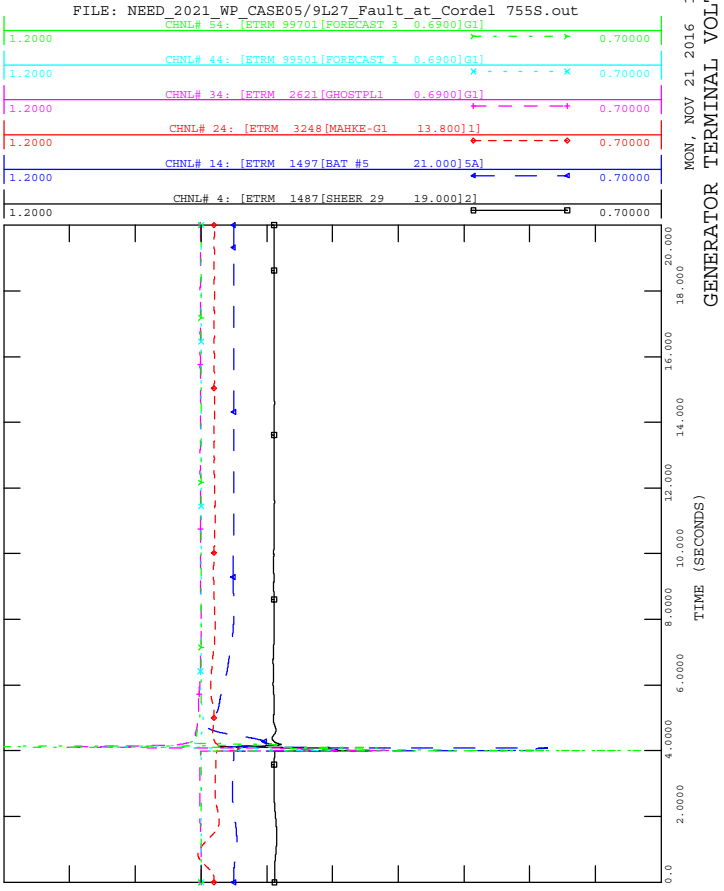


MON, NOV 21 2016 12:53

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out

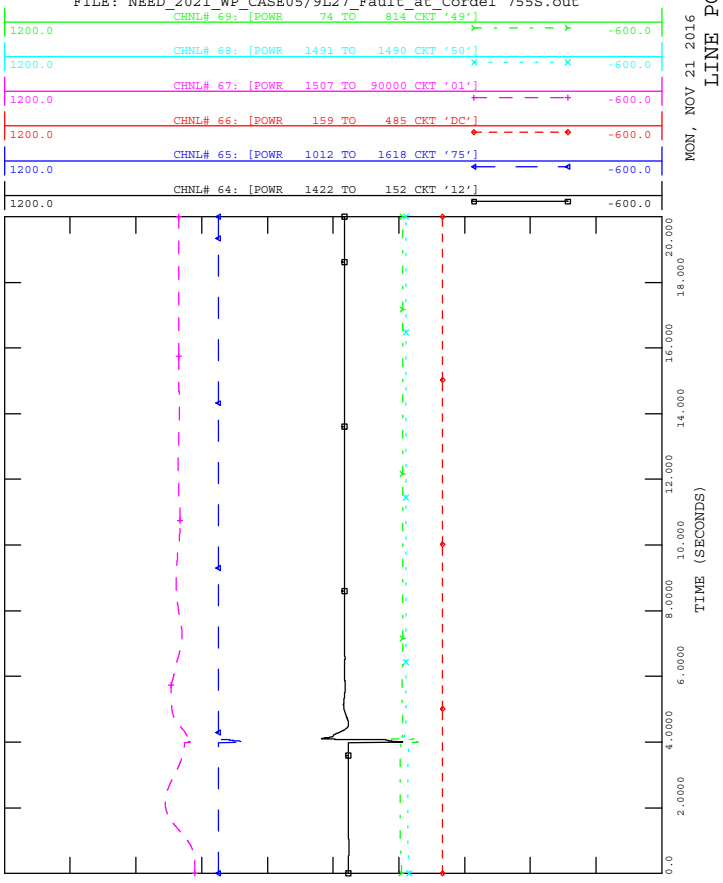


MON, NOV 21 2016 12:53

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out

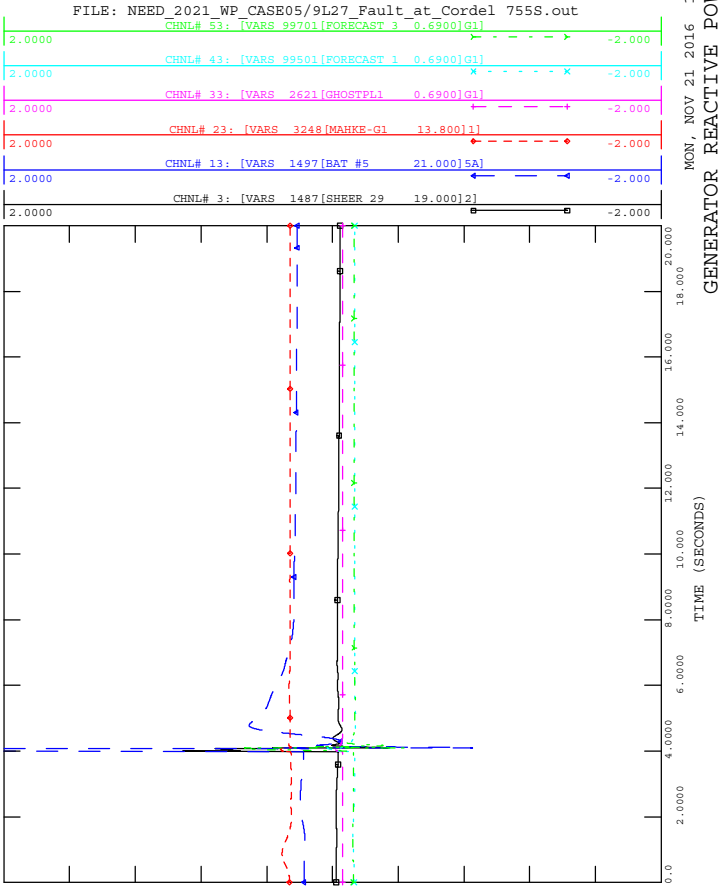


MON, NOV 21 2016 12:53

LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L27_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53

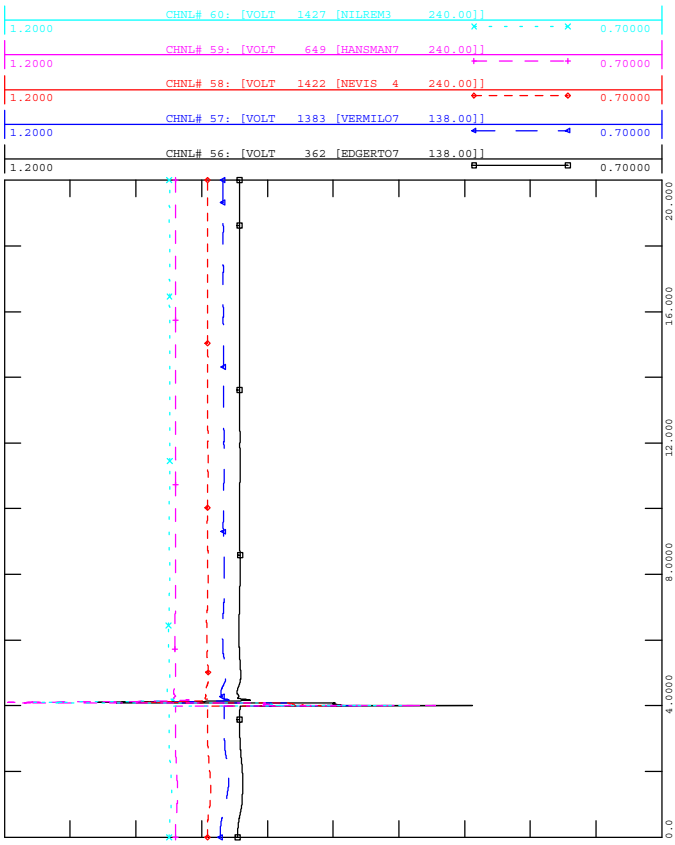
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

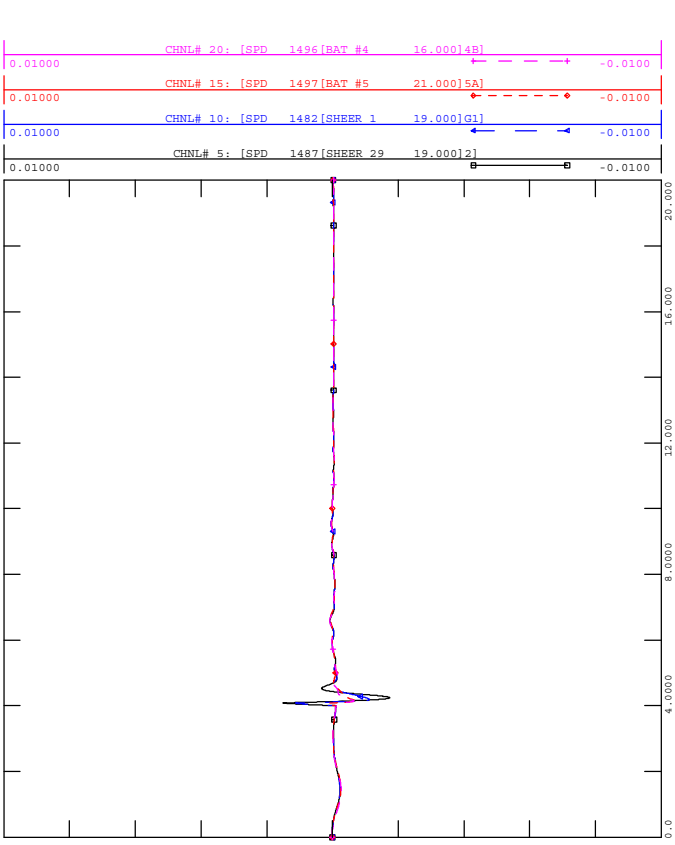


NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

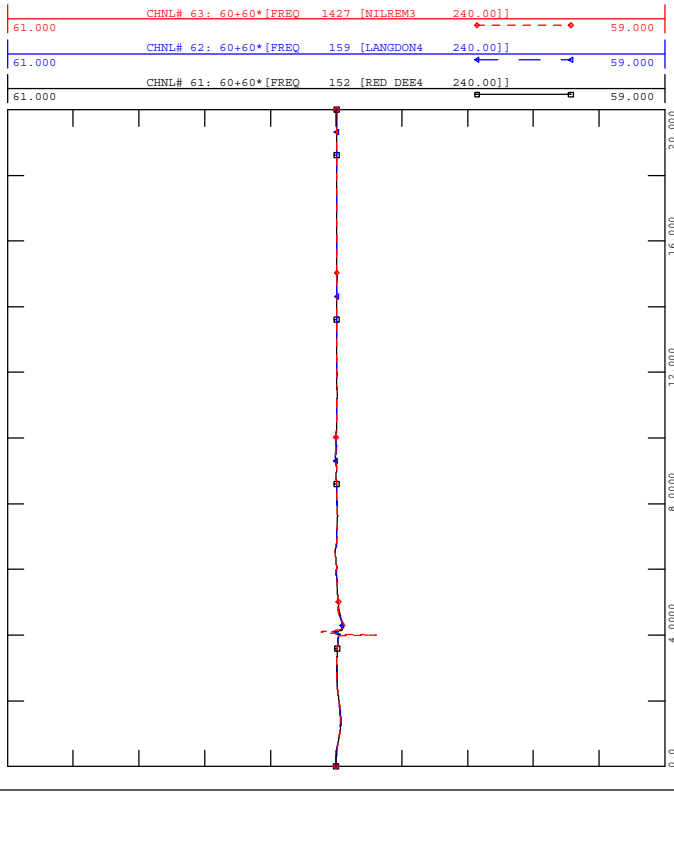


NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:53

FREQUENCY

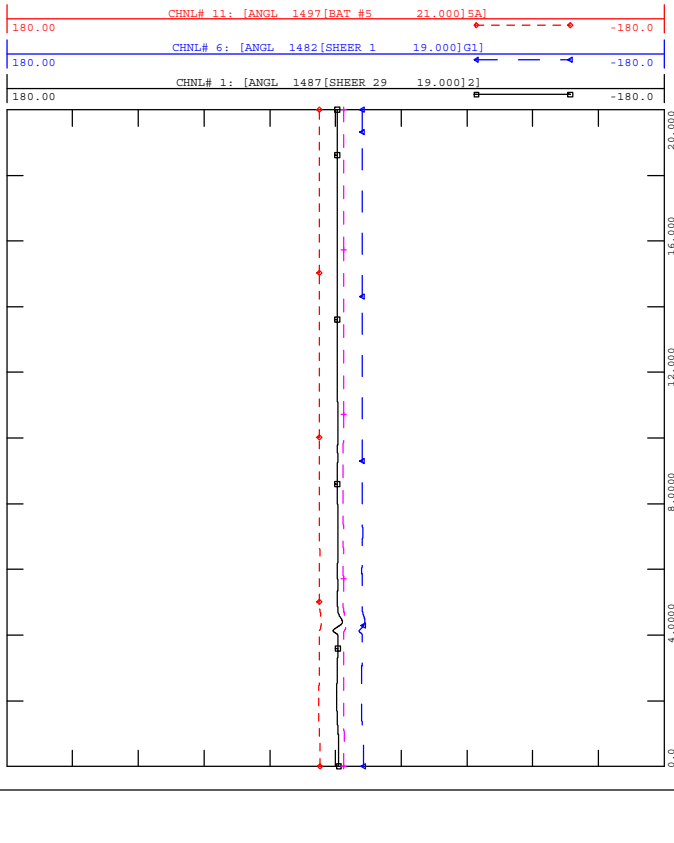


NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

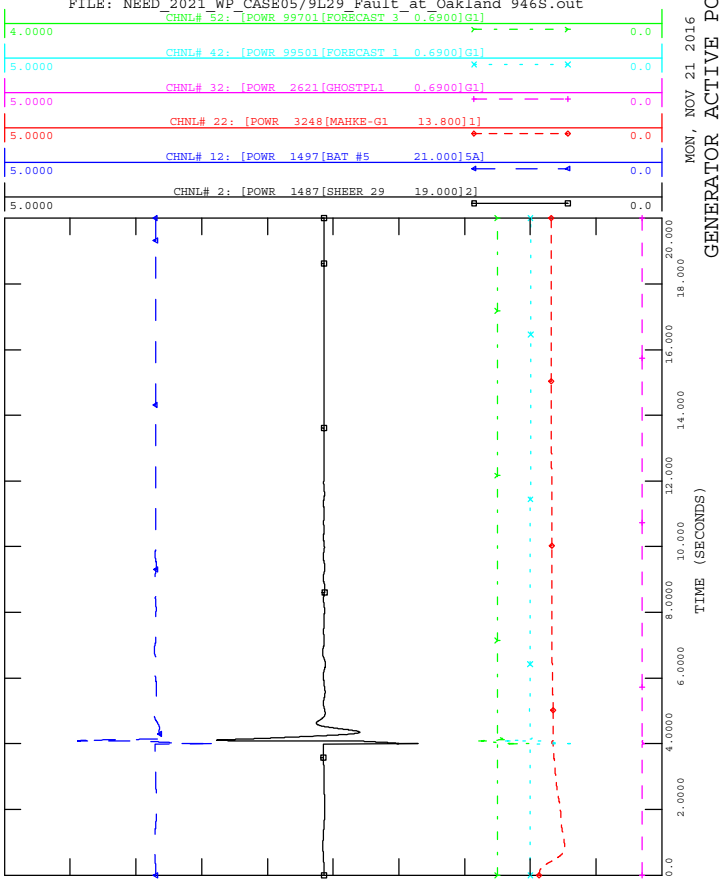
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

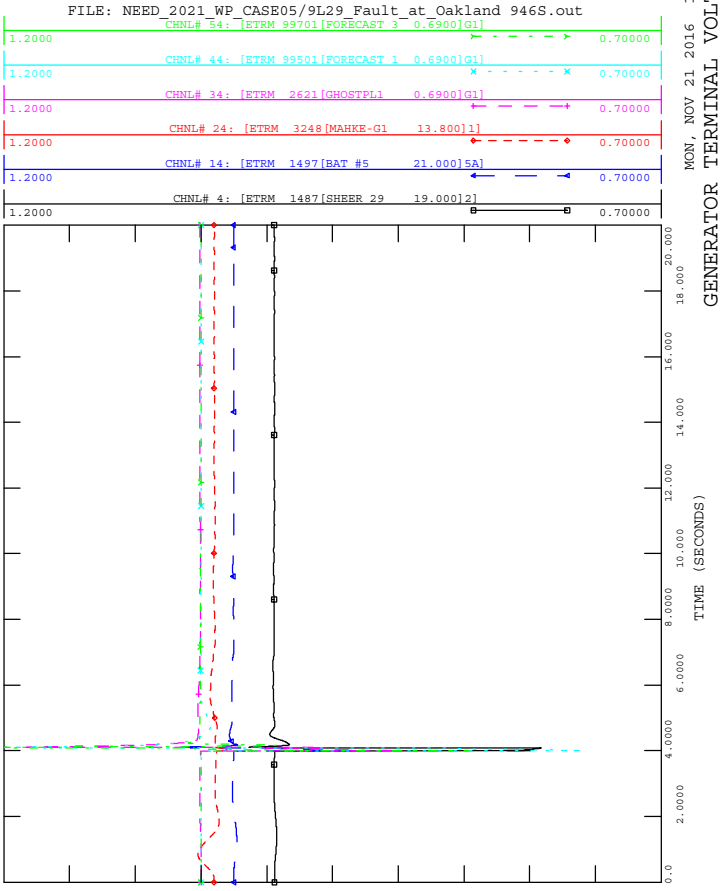


MON, NOV 21 2016 12:53

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

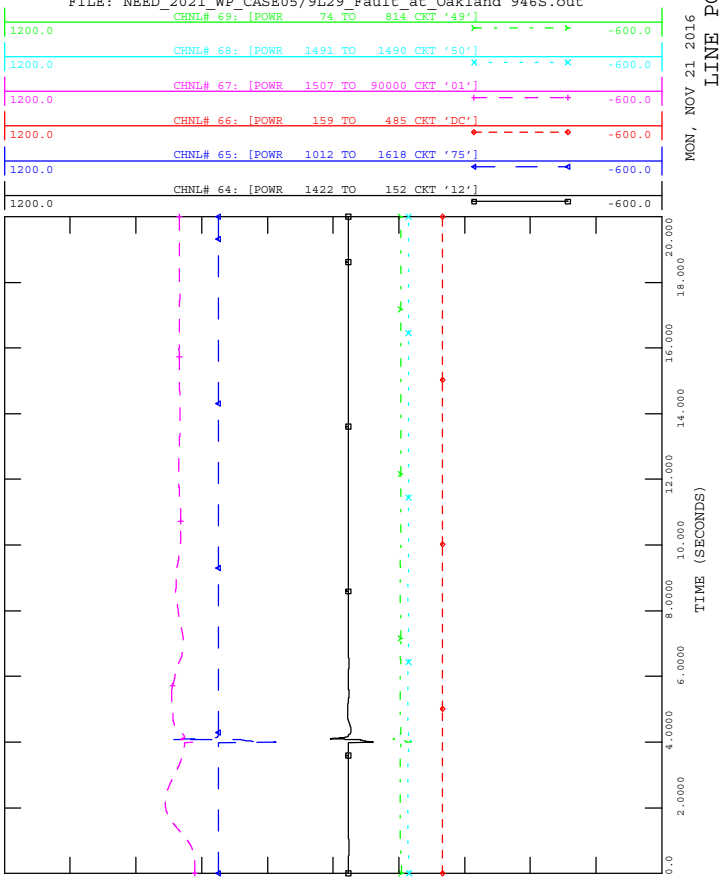


MON, NOV 21 2016 12:53

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out

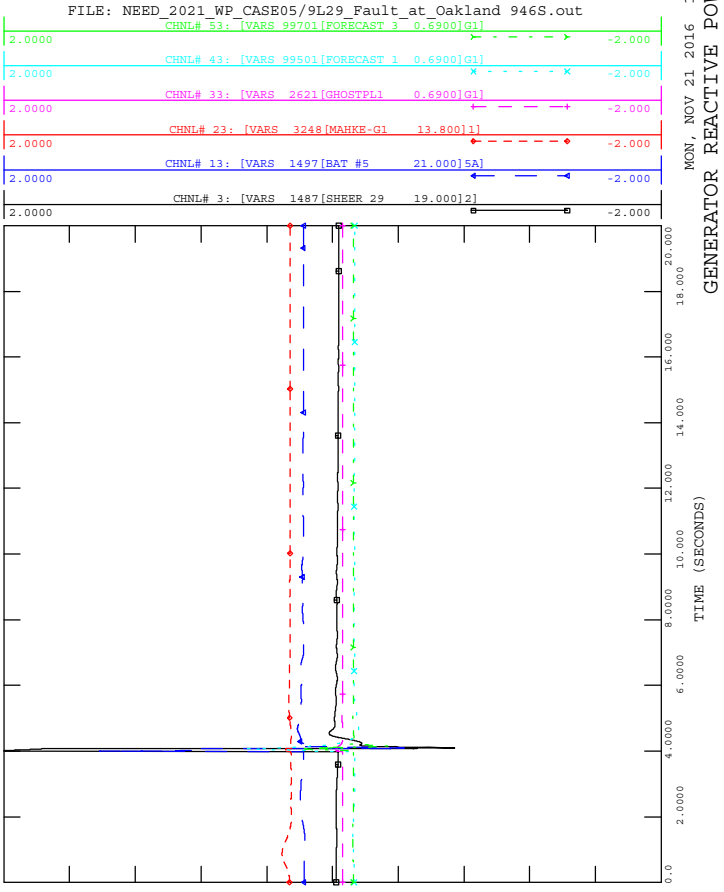


MON, NOV 21 2016 12:53

LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Oakland 946S.out



MON, NOV 21 2016 12:53

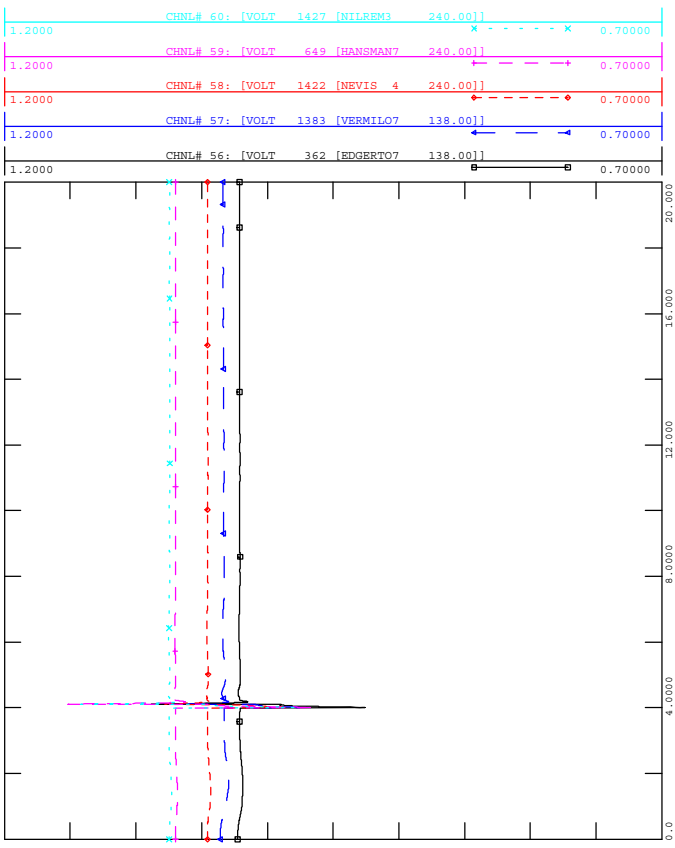
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

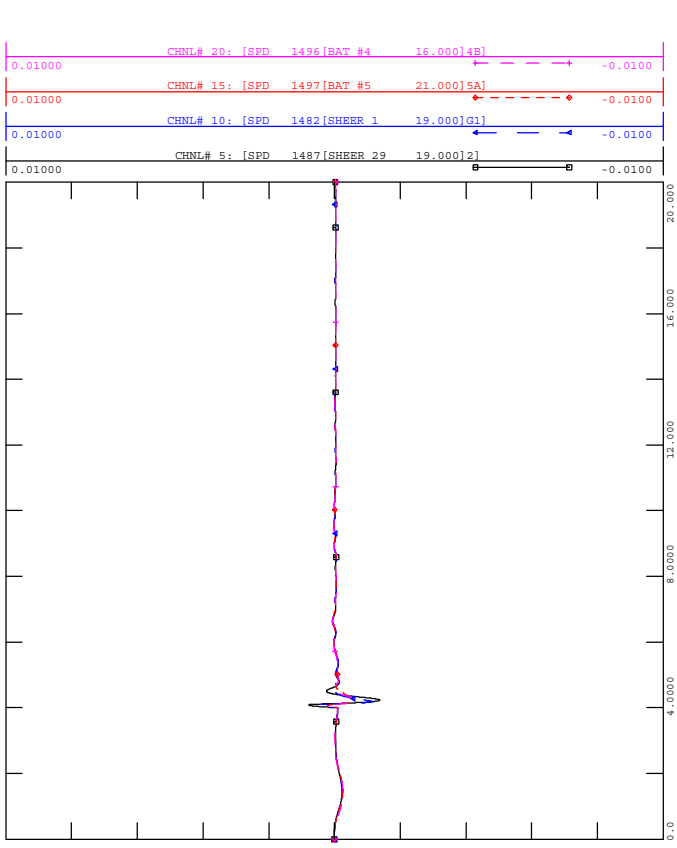


NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

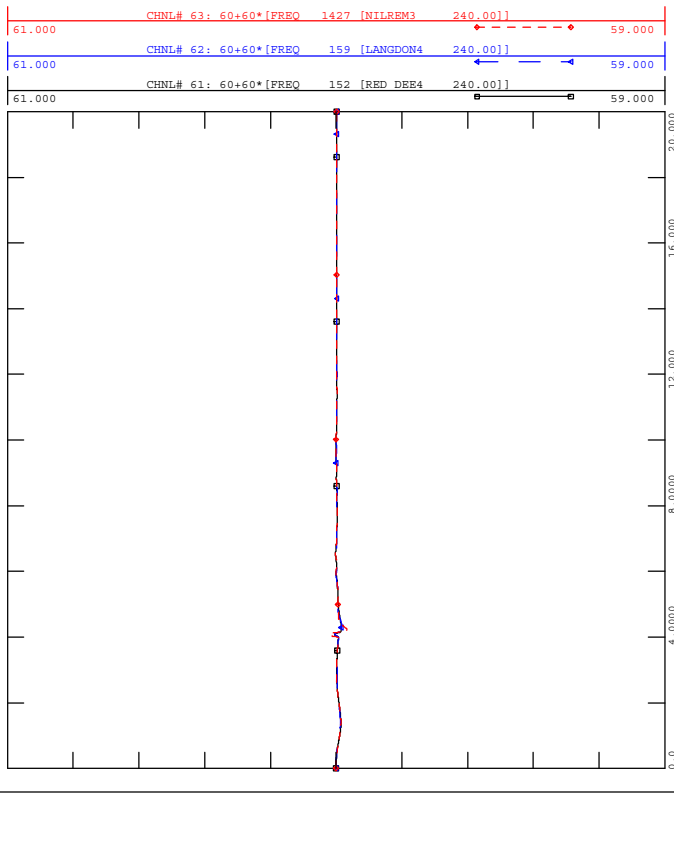


NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out

MON, NOV 21 2016 12:53

FREQUENCY

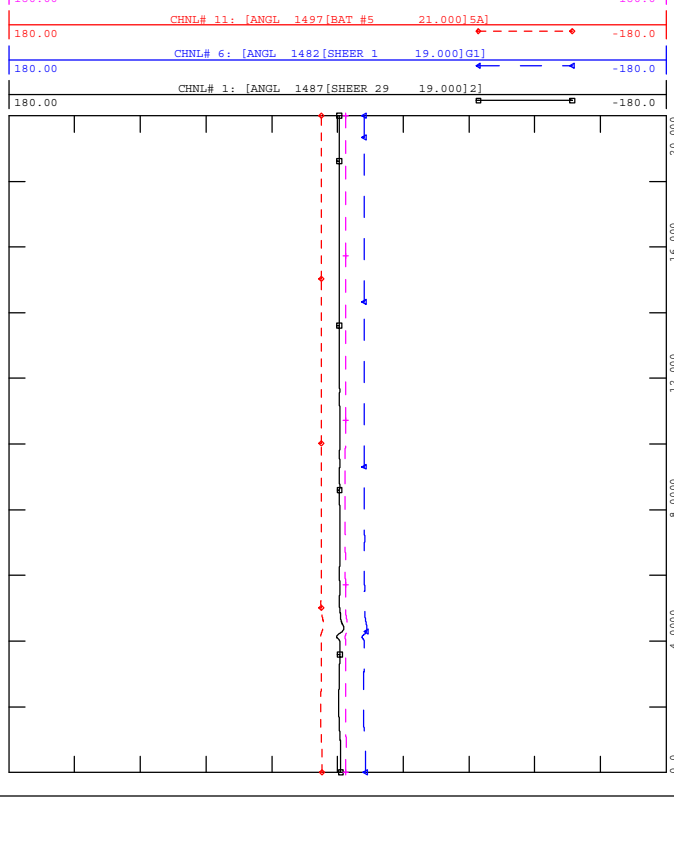


NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out

MON, NOV 21 2016 12:53

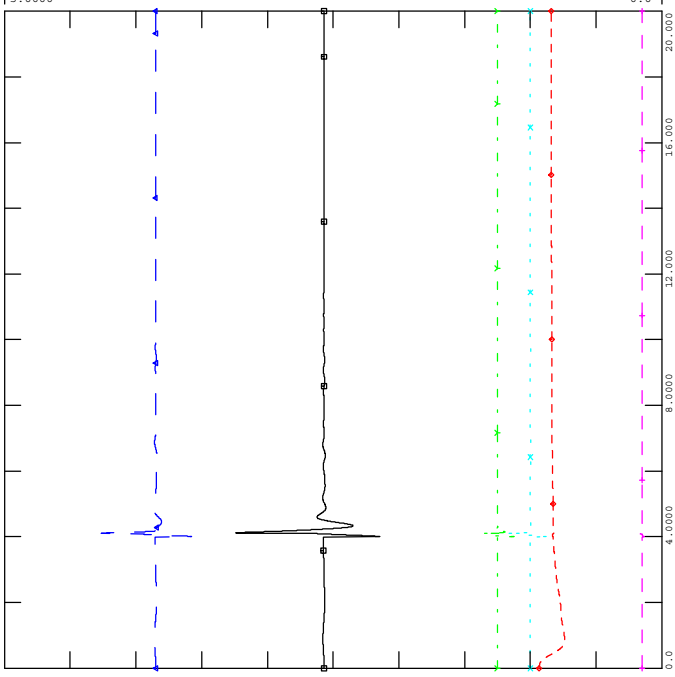
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]



MON, NOV 21 2016 12:53

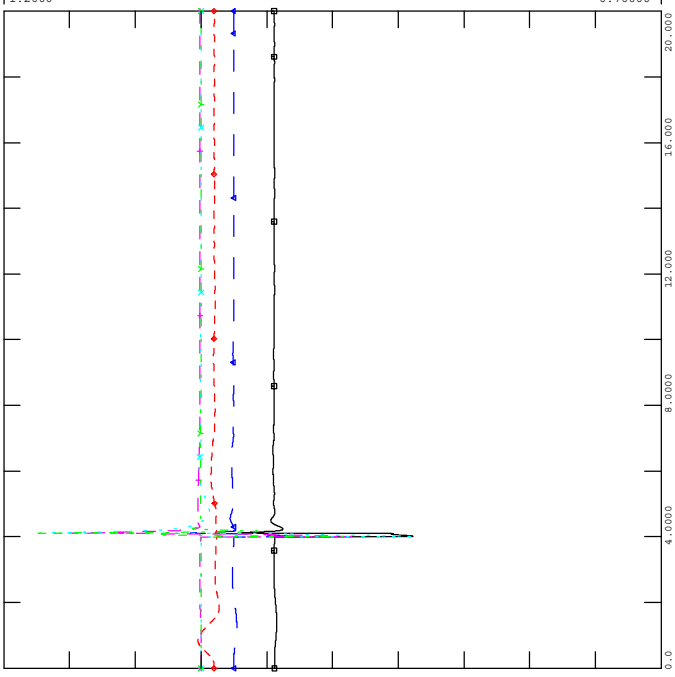
GENERATOR ACTIVE POWER

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]



MON, NOV 21 2016 12:53

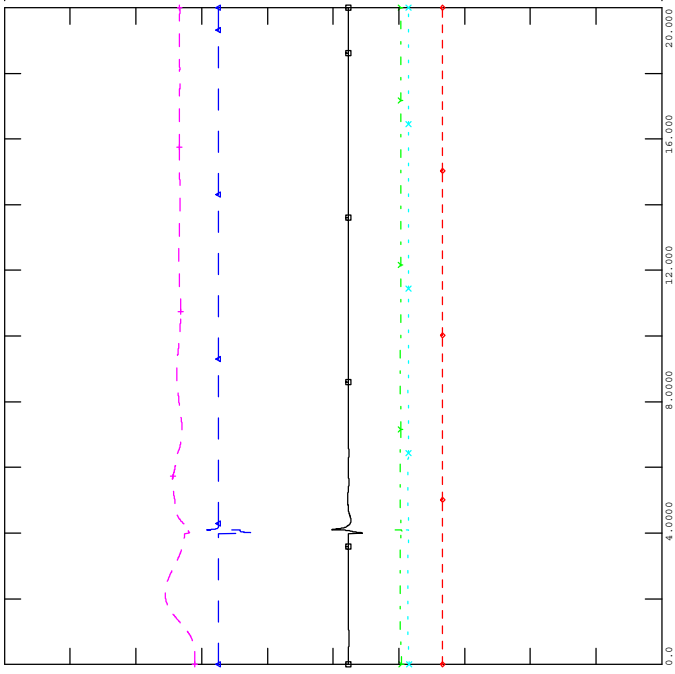
GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']



MON, NOV 21 2016 12:53

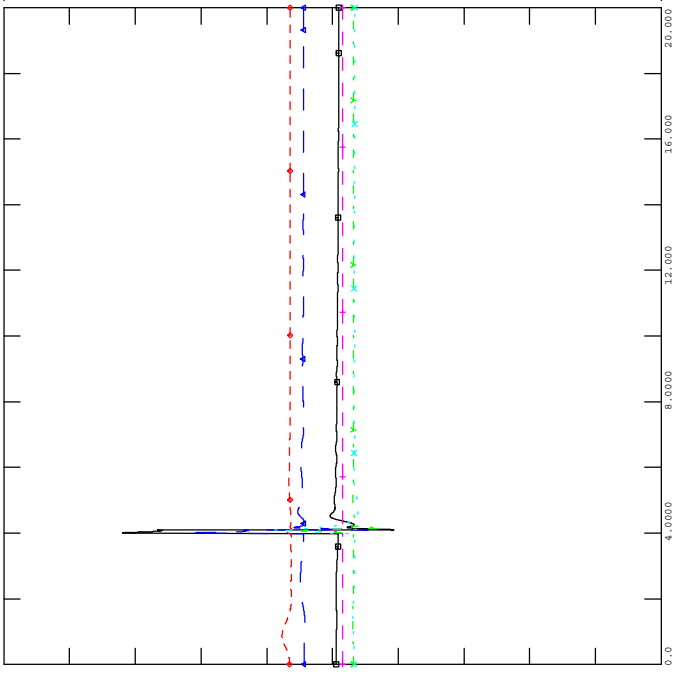
LINE POWER

TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: NEED_2021_WP_CASE05/9L29_Fault_at_Coyote Lake 963S.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



MON, NOV 21 2016 12:53

GENERATOR REACTIVE POWER

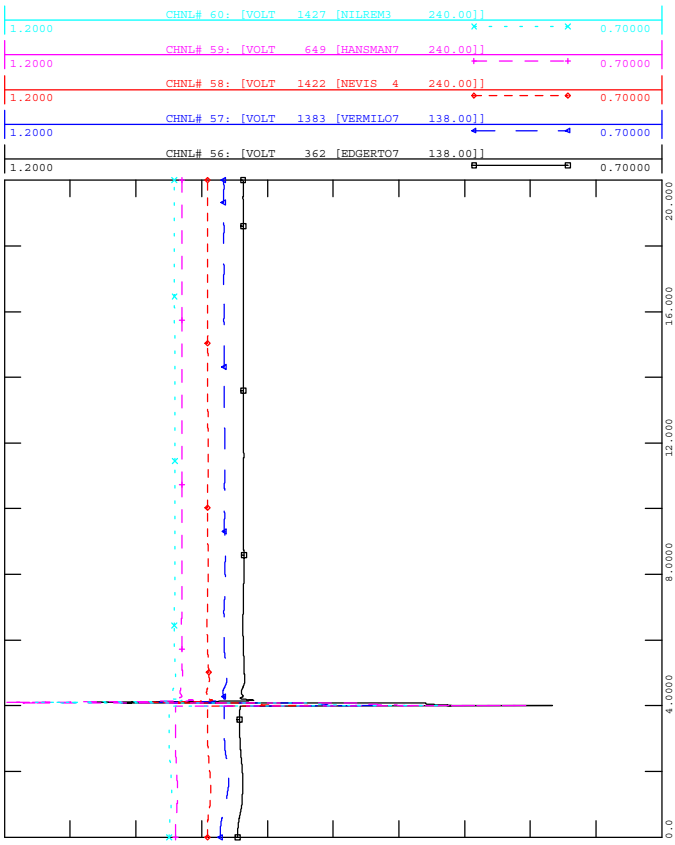
TIME (SECONDS)

NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

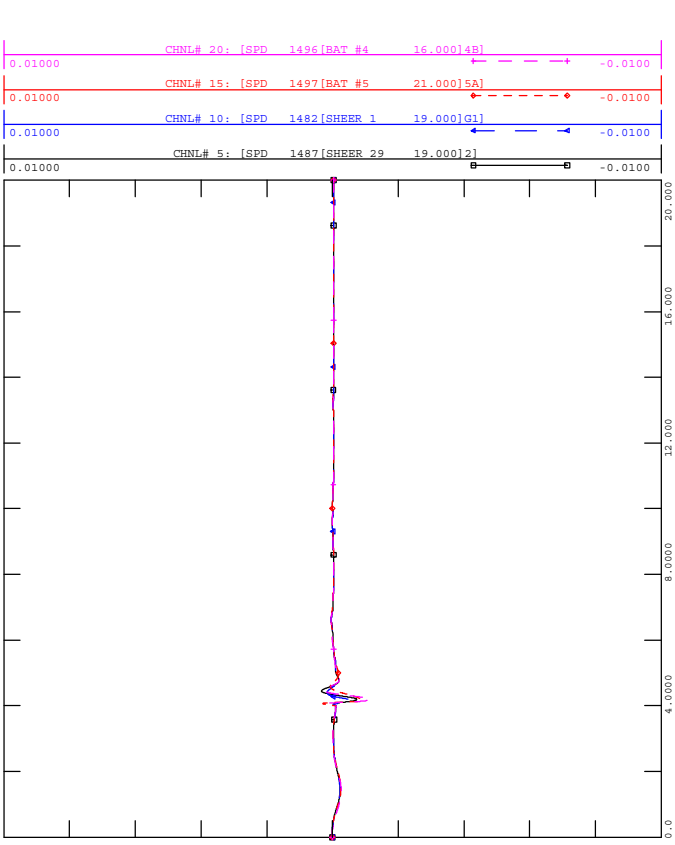


NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

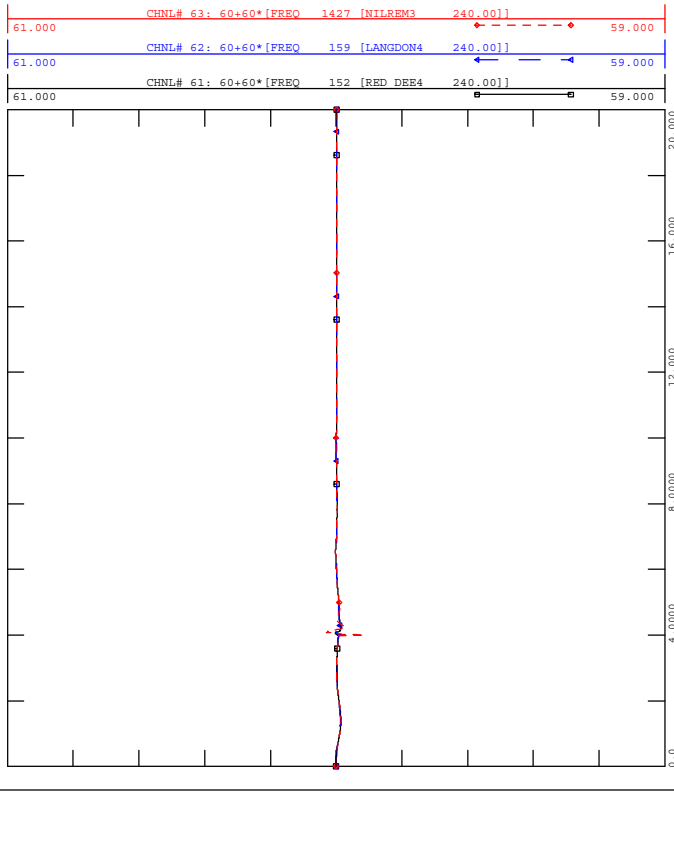


NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out

MON, NOV 21 2016 12:53

FREQUENCY

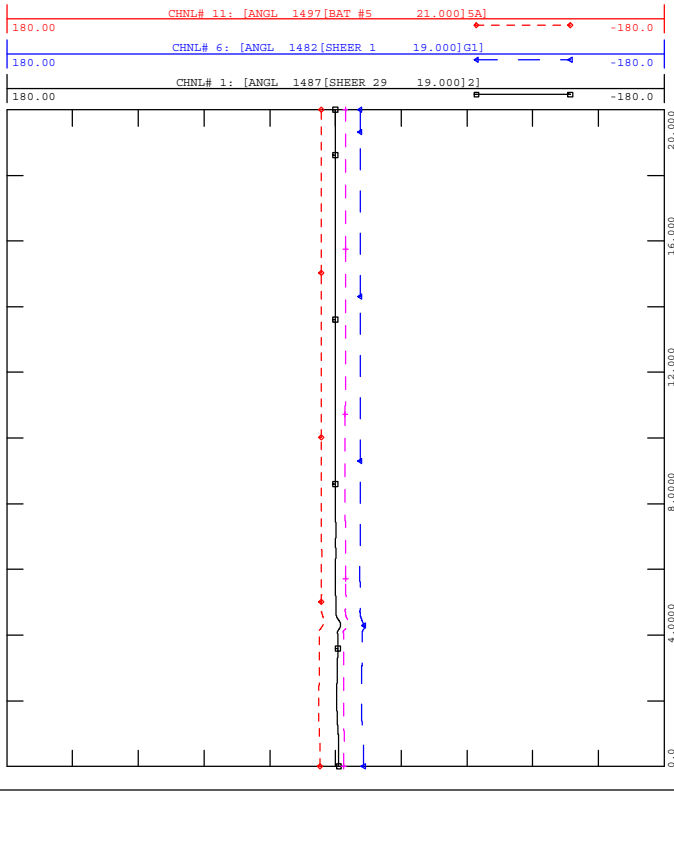


NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out

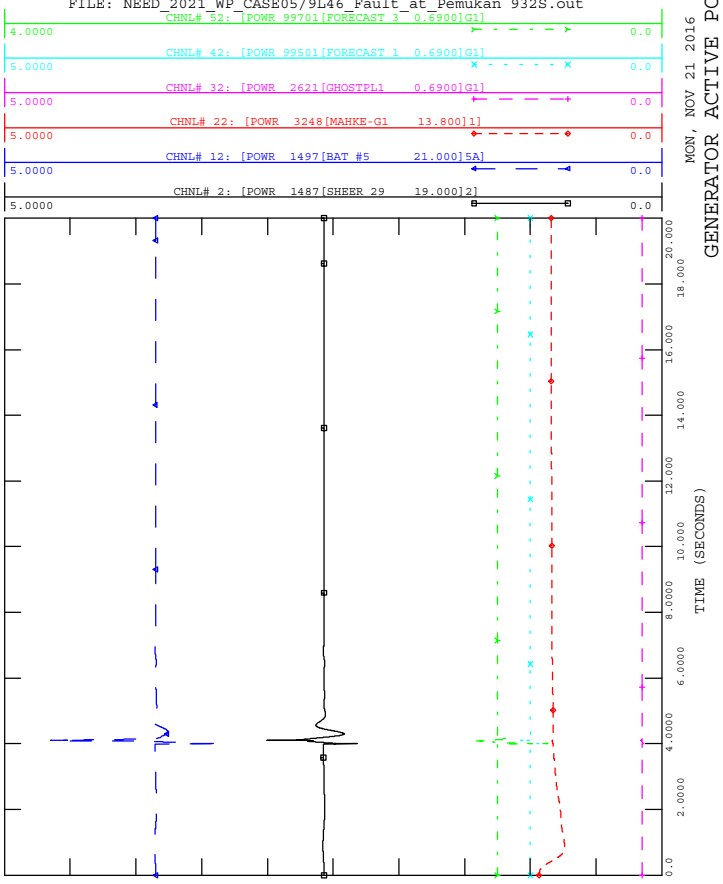
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

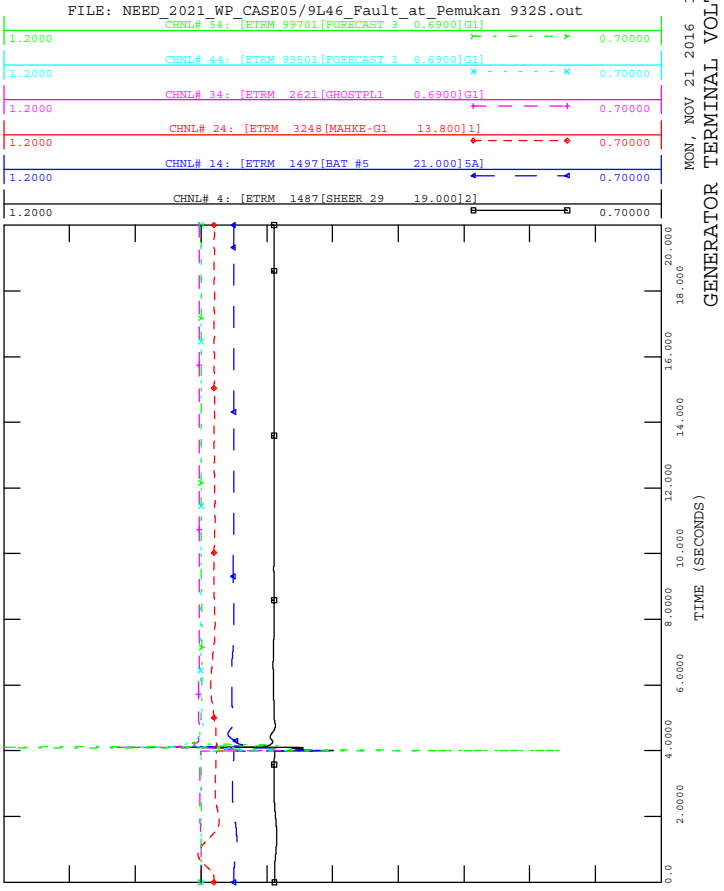
FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

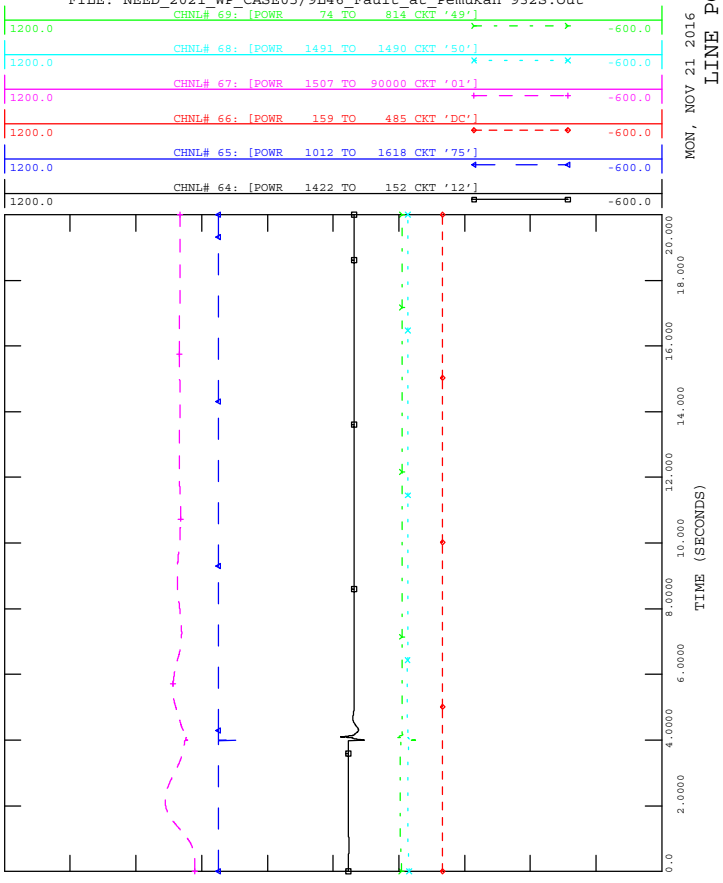
FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

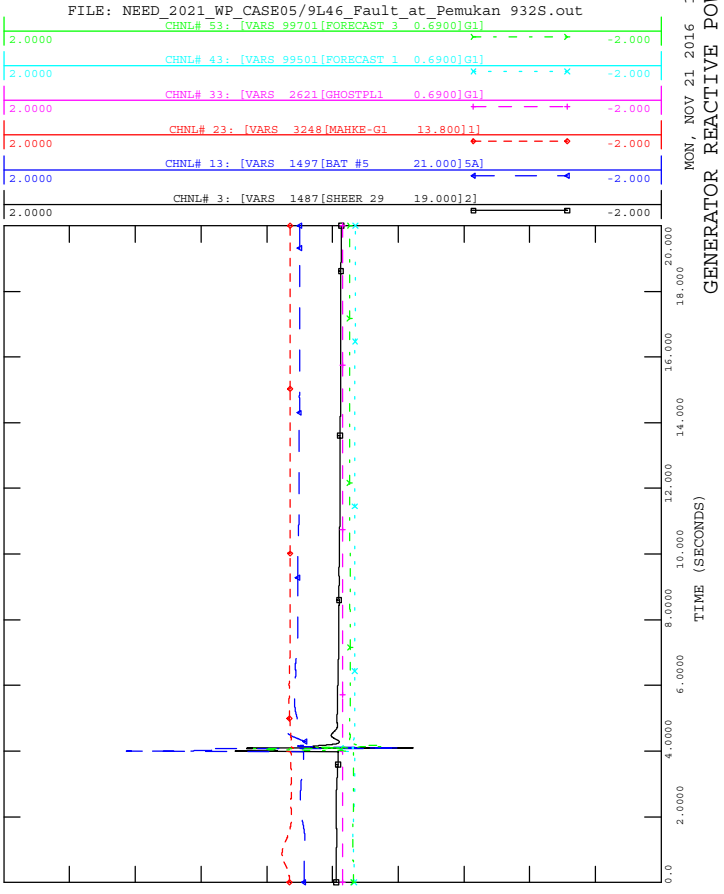
FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Pemukan 932S.out



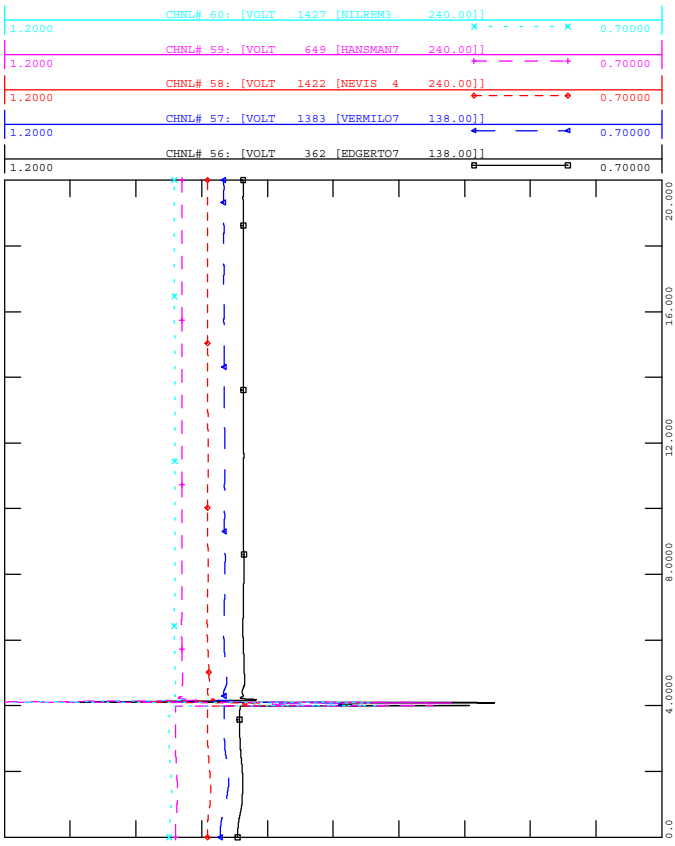
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

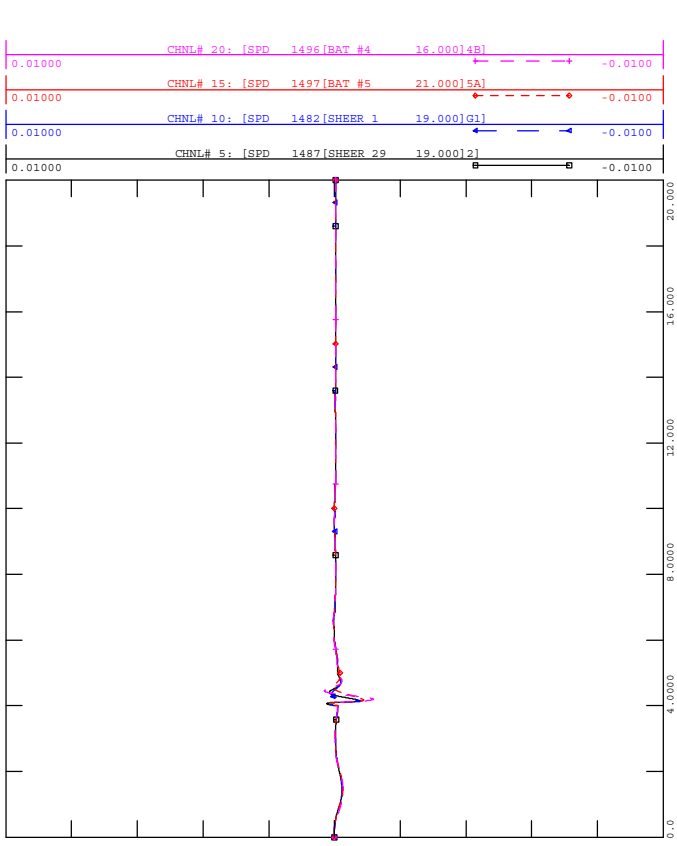


NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

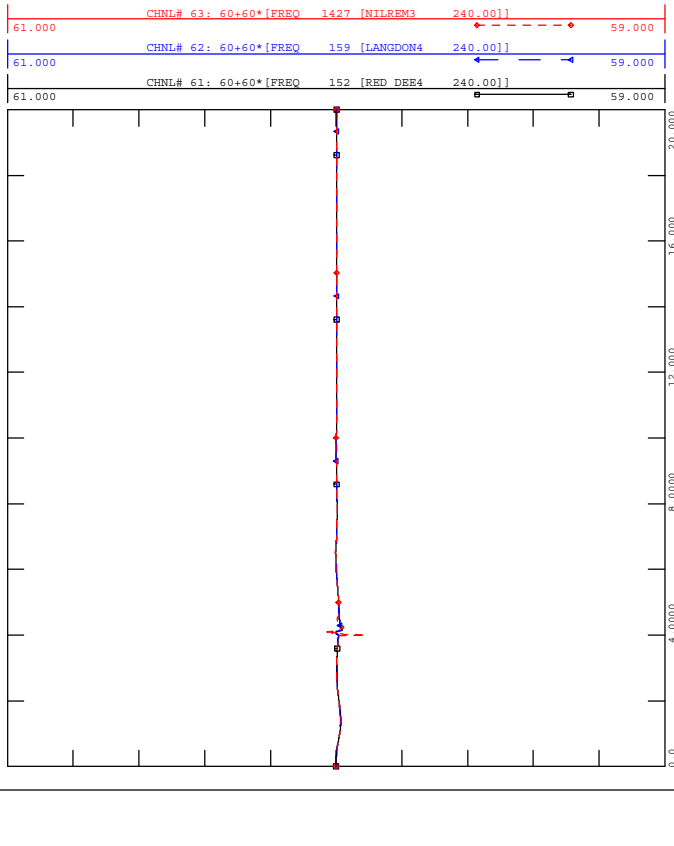


NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out

MON, NOV 21 2016 12:53

FREQUENCY

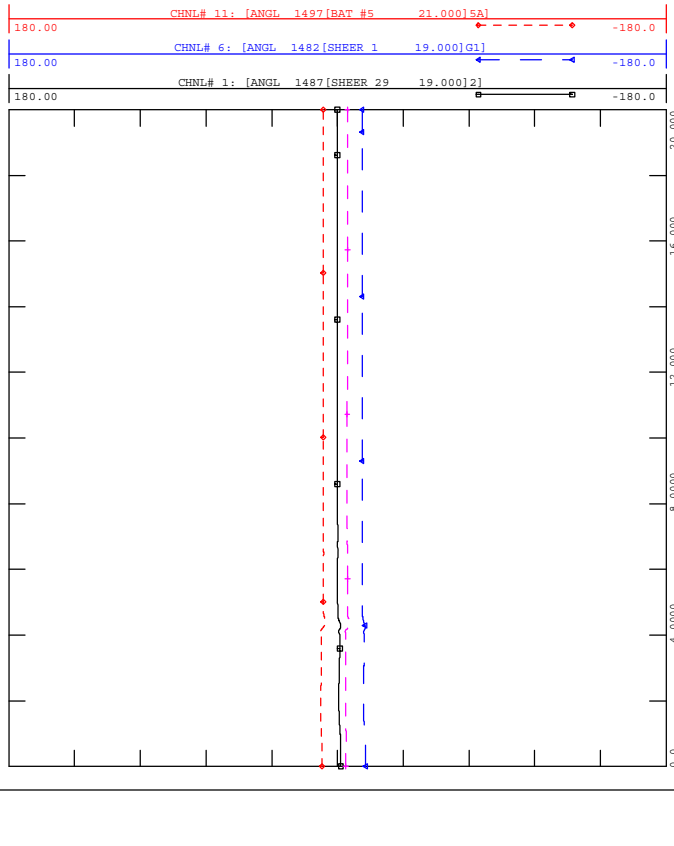


NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out

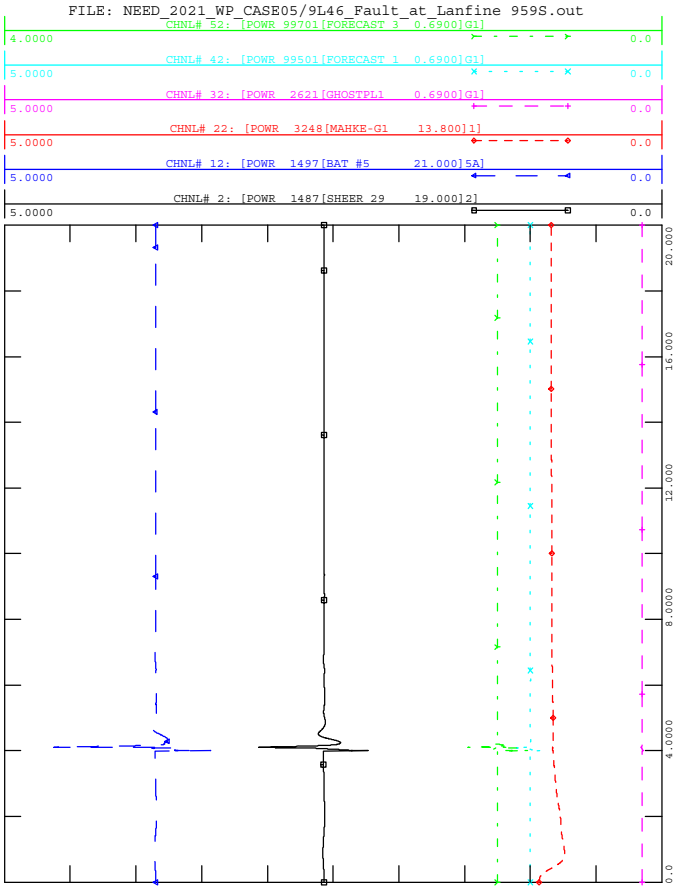
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

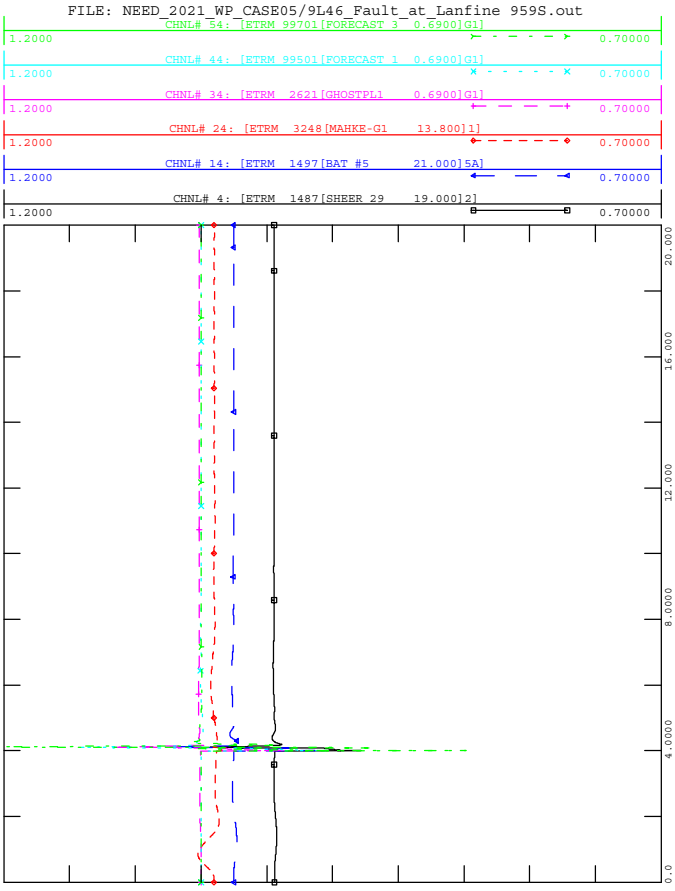
FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

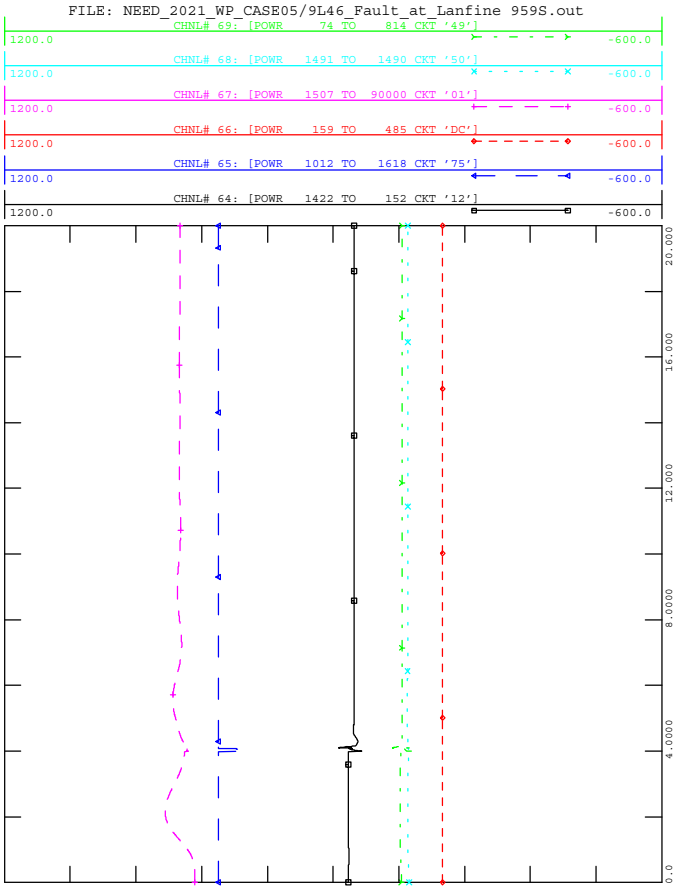
FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

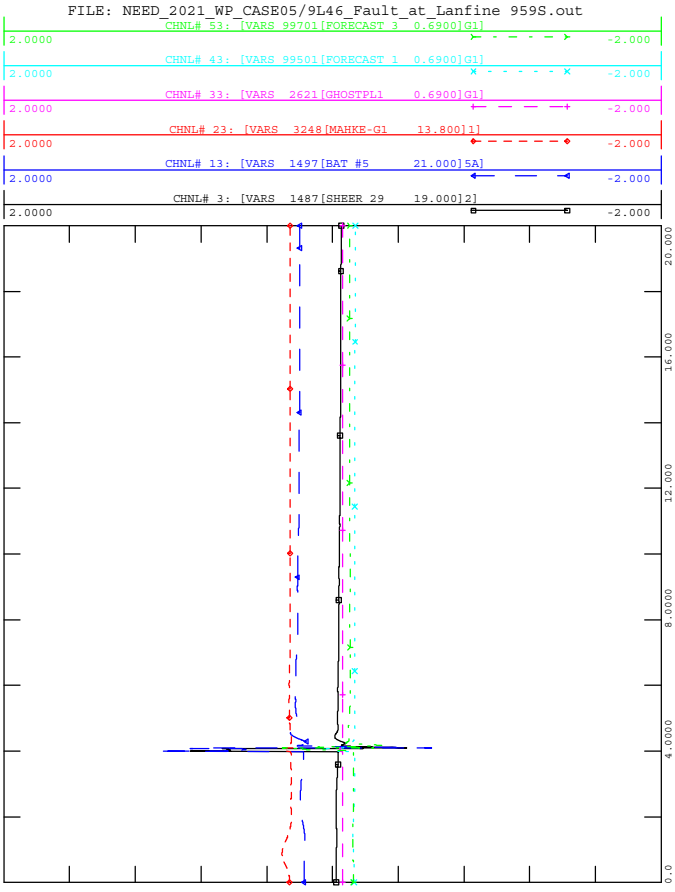
FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: NEED_2021_WP_CASE05/9L46_Fault_at_Lanfine 959S.out



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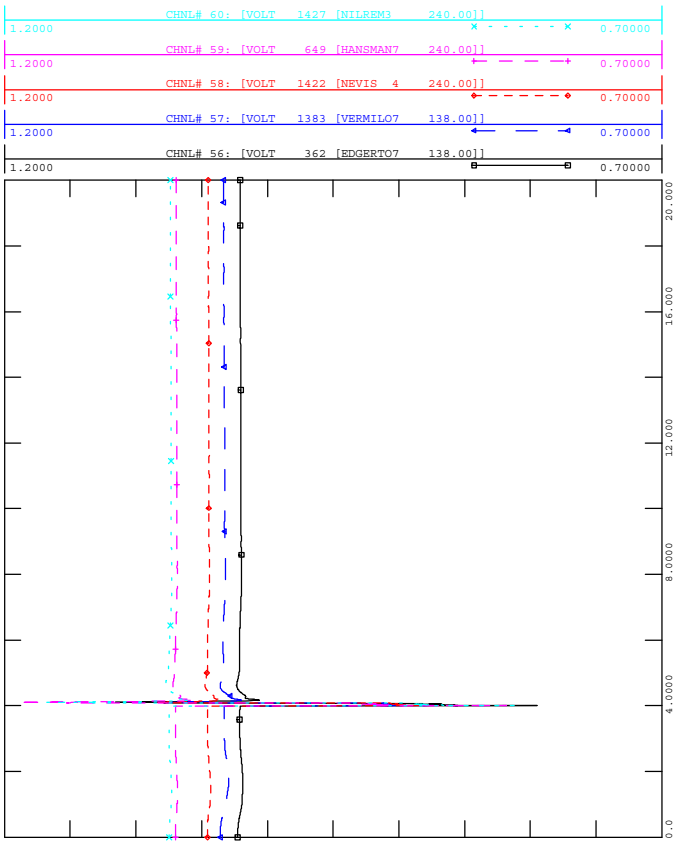
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

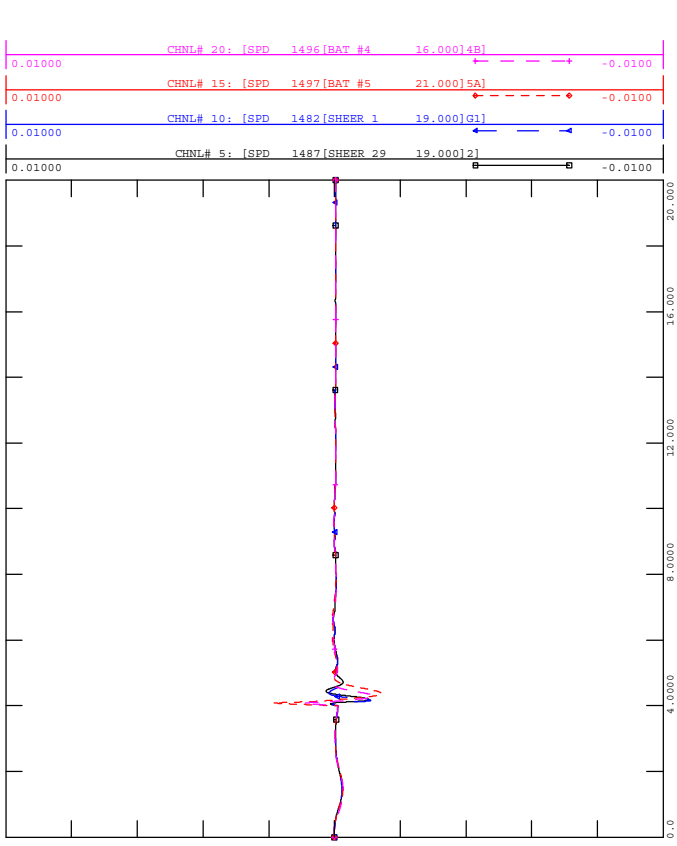


NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 12:53

MACHINE SPEED



NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out

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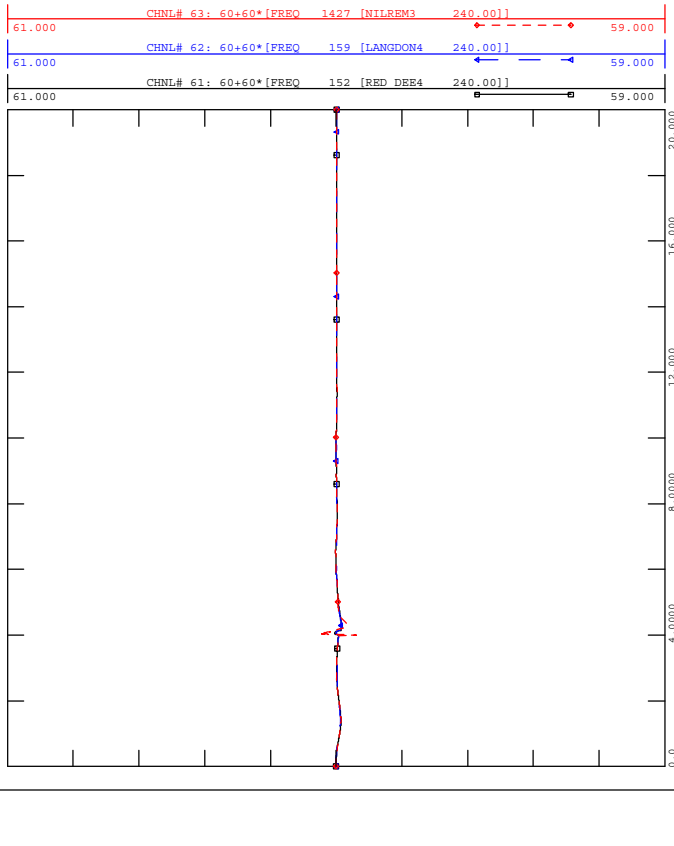
FREQUENCY

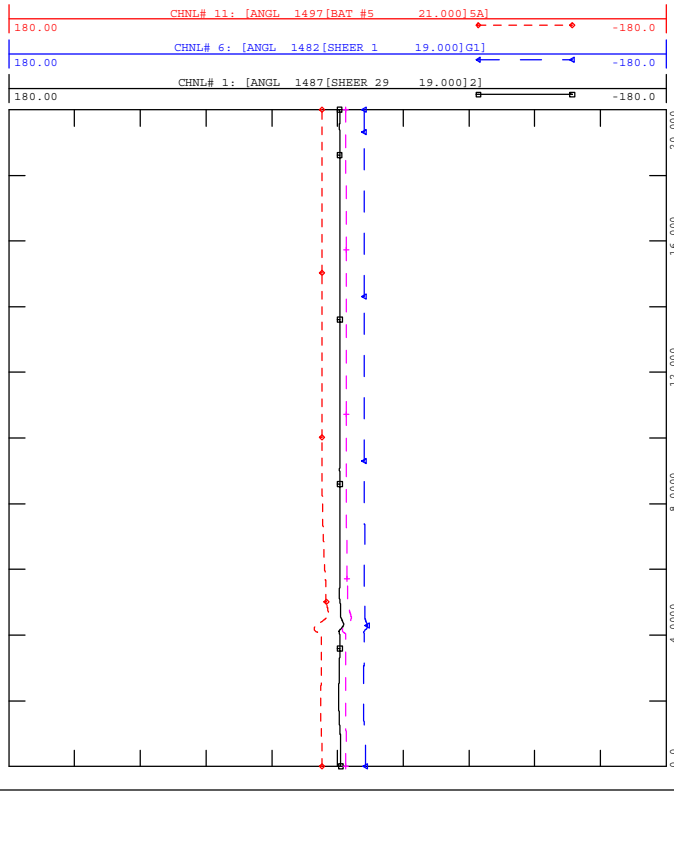


NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out

MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

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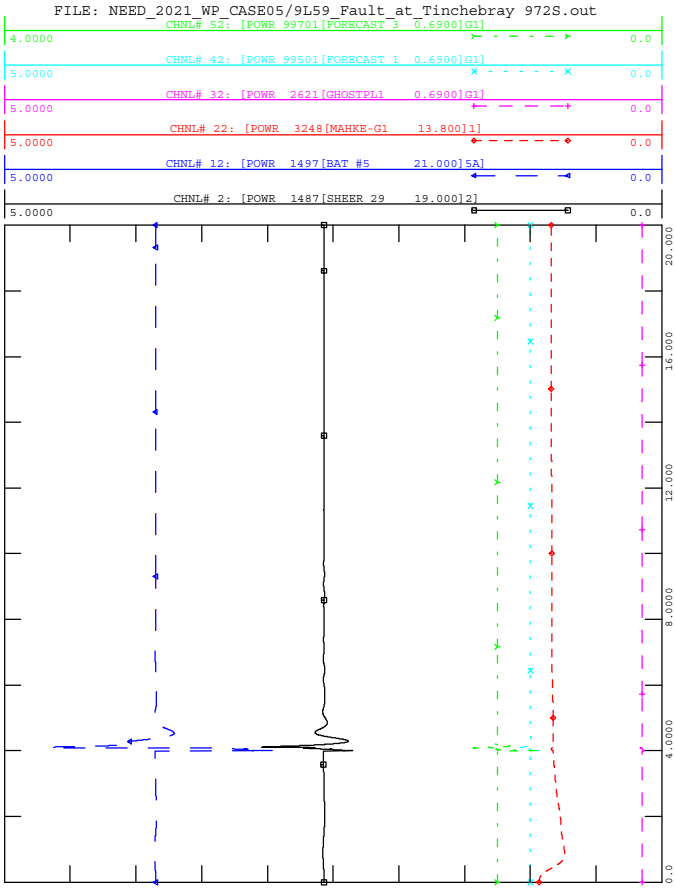

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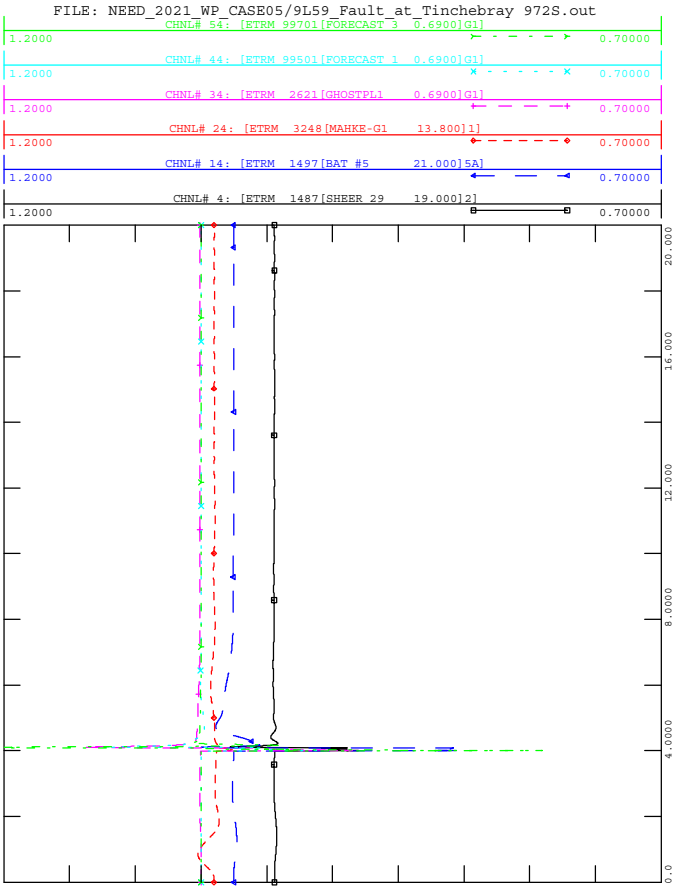
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

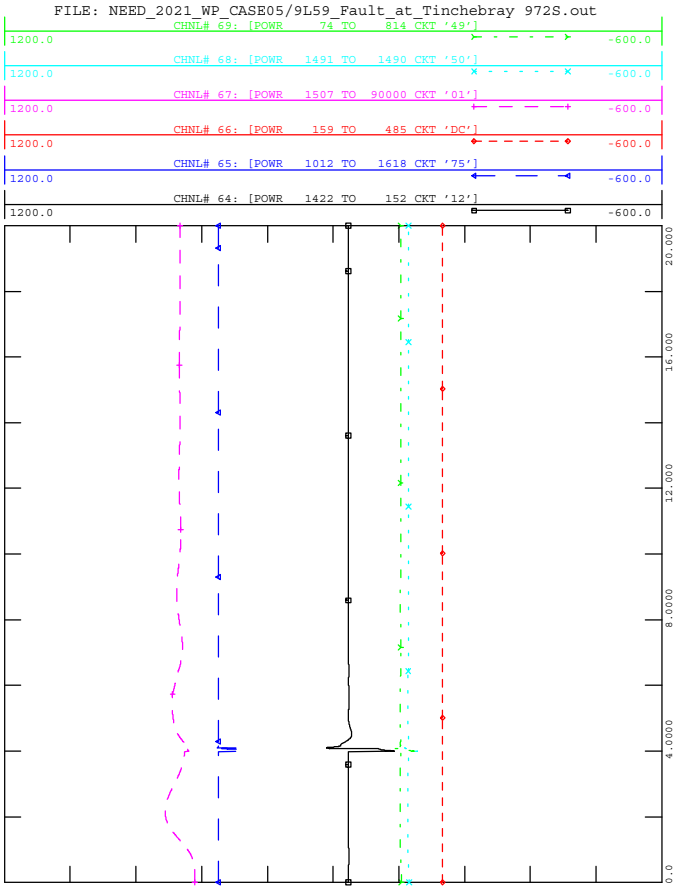
FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

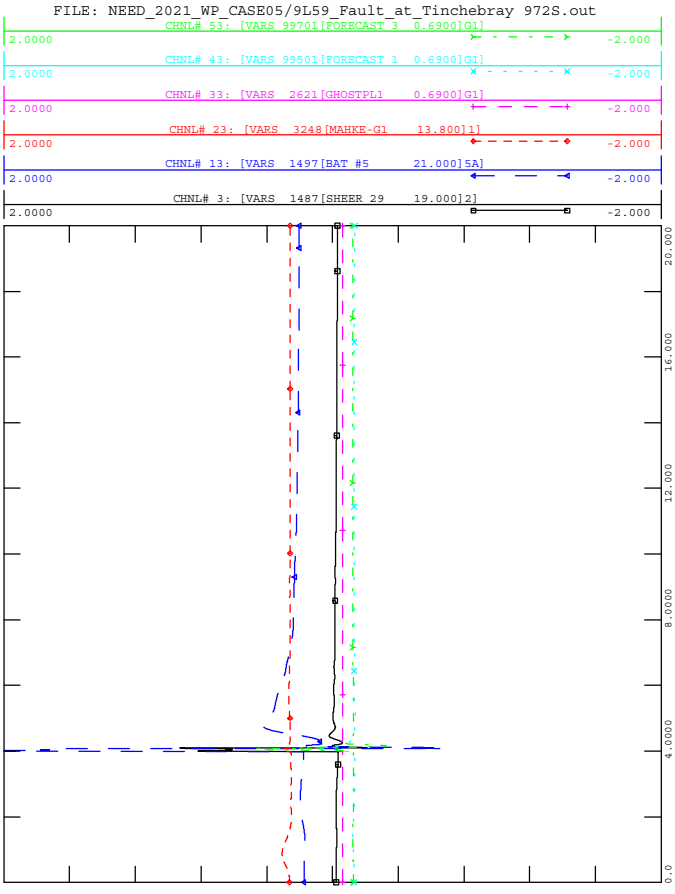
FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

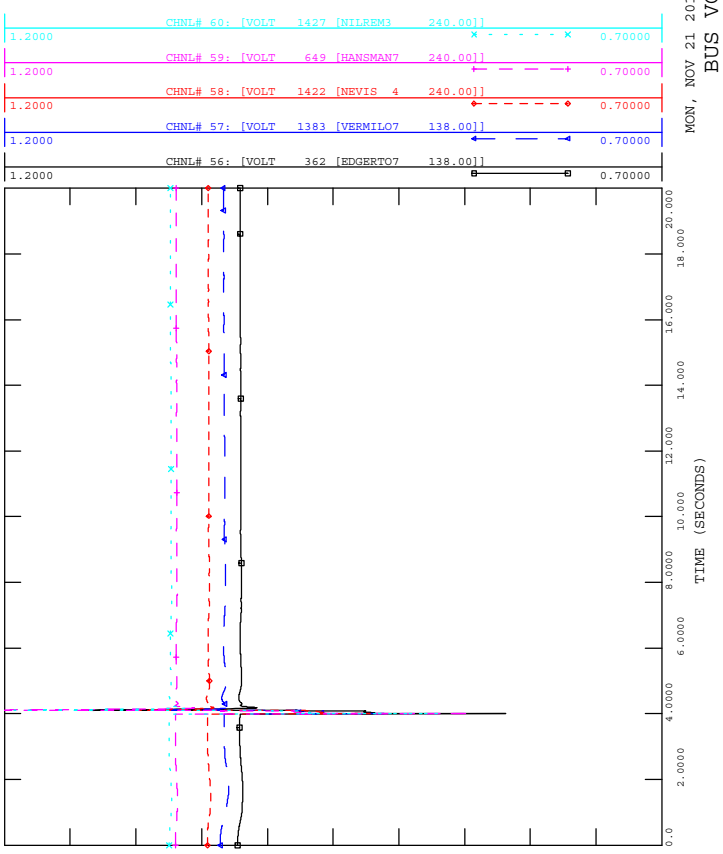
FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Tinchebray 972S.out



MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out

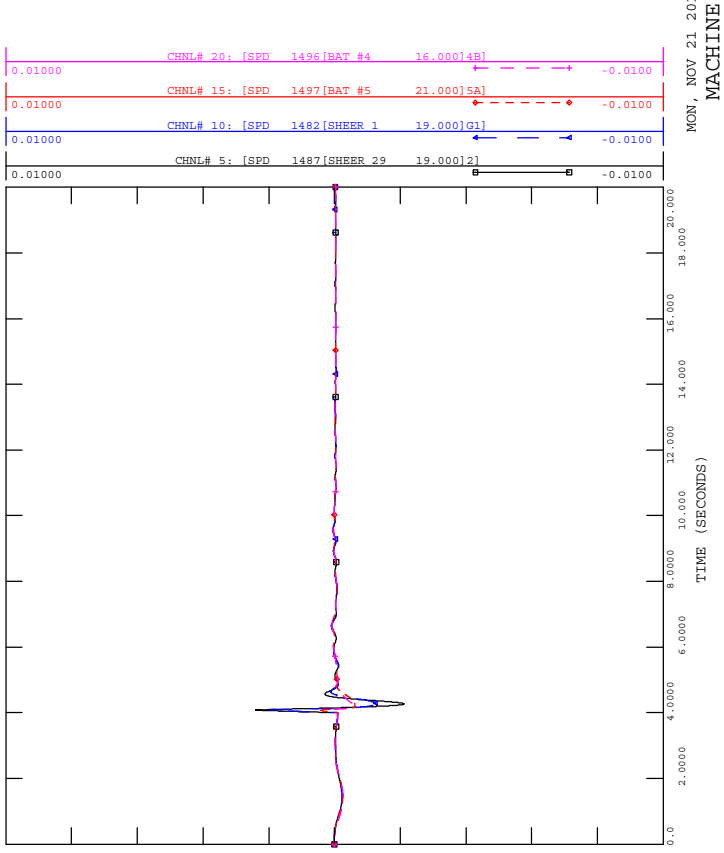


MON, NOV 21 2016 12:53

BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out

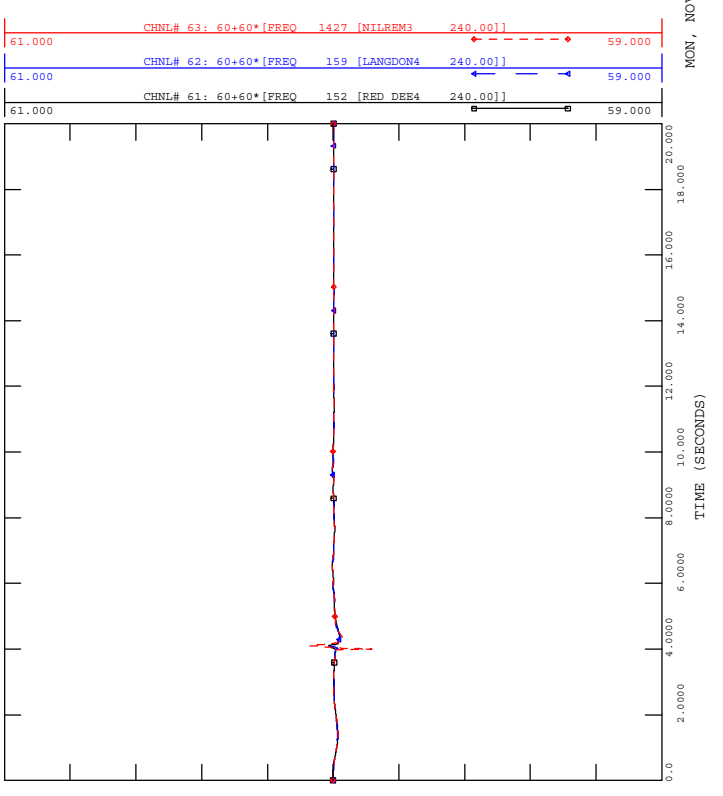


MON, NOV 21 2016 12:53

MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:53

FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

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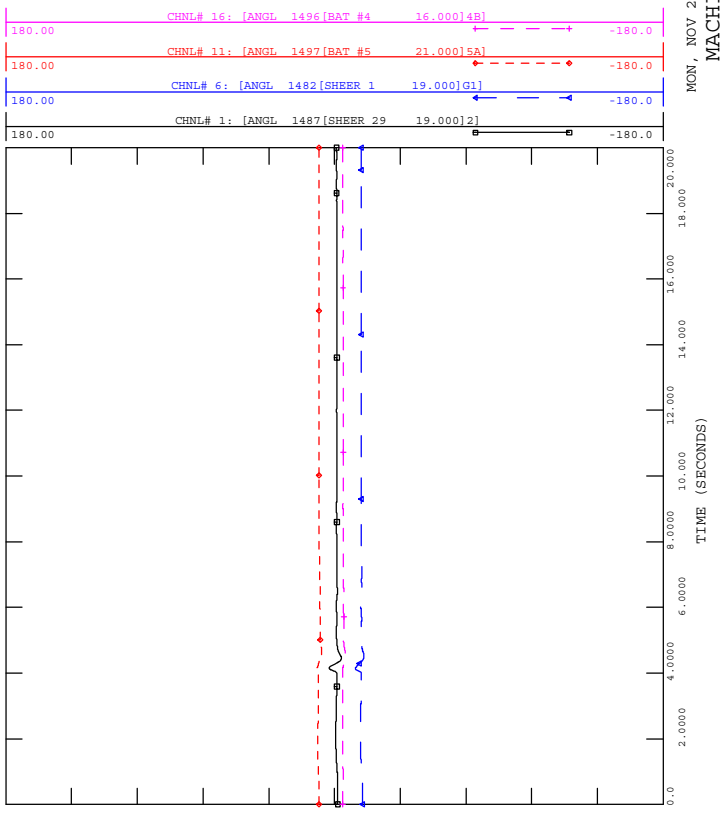
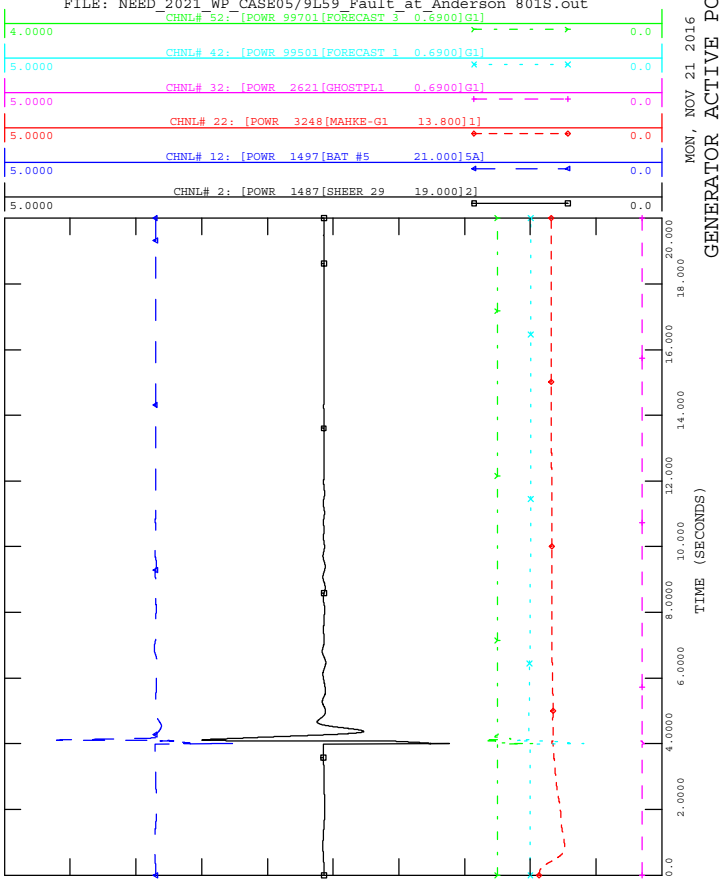


MON, NOV 21 2016 12:53

MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out

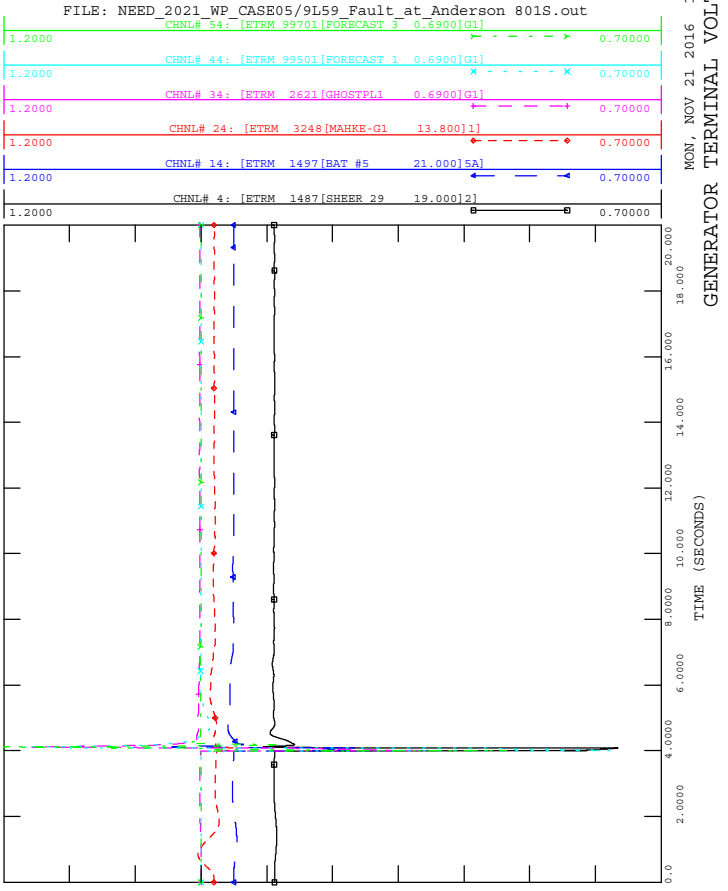


MON, NOV 21 2016 12:53

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out



MON, NOV 21 2016 12:53

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

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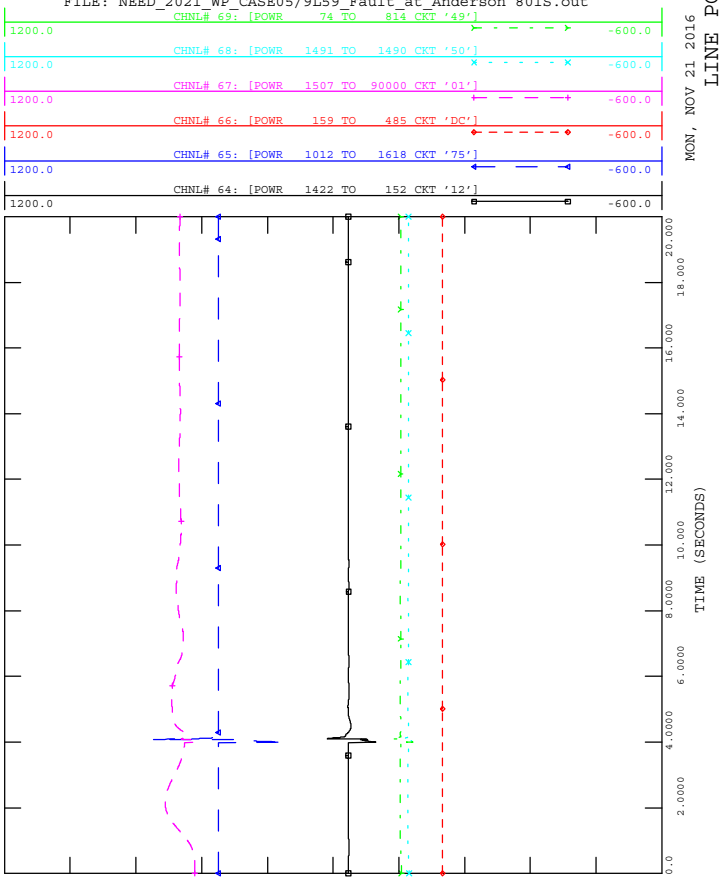
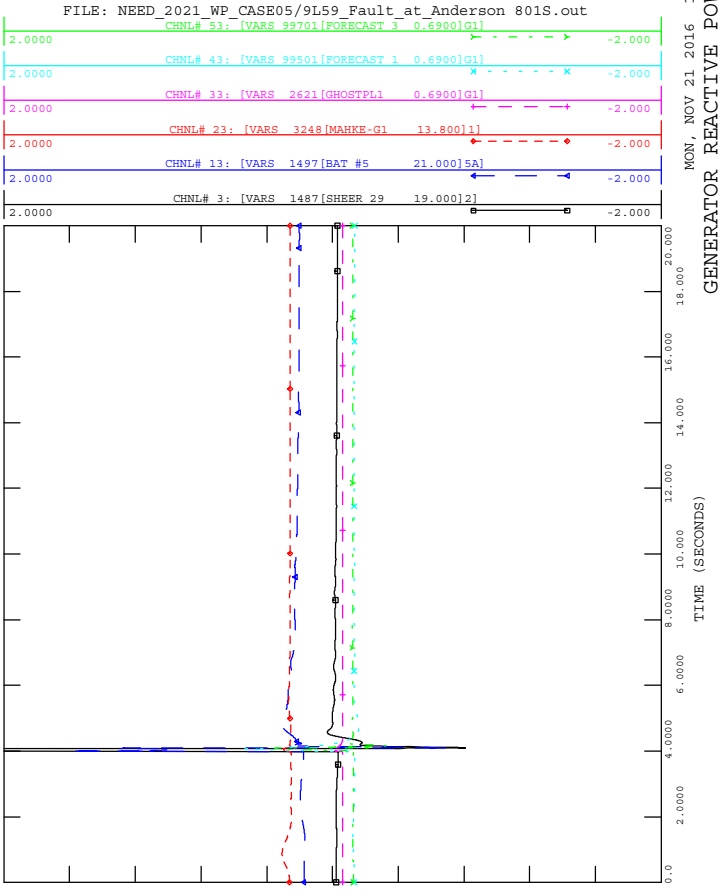


MON, NOV 21 2016 12:53

LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L59_Fault_at_Anderson 801S.out



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GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out

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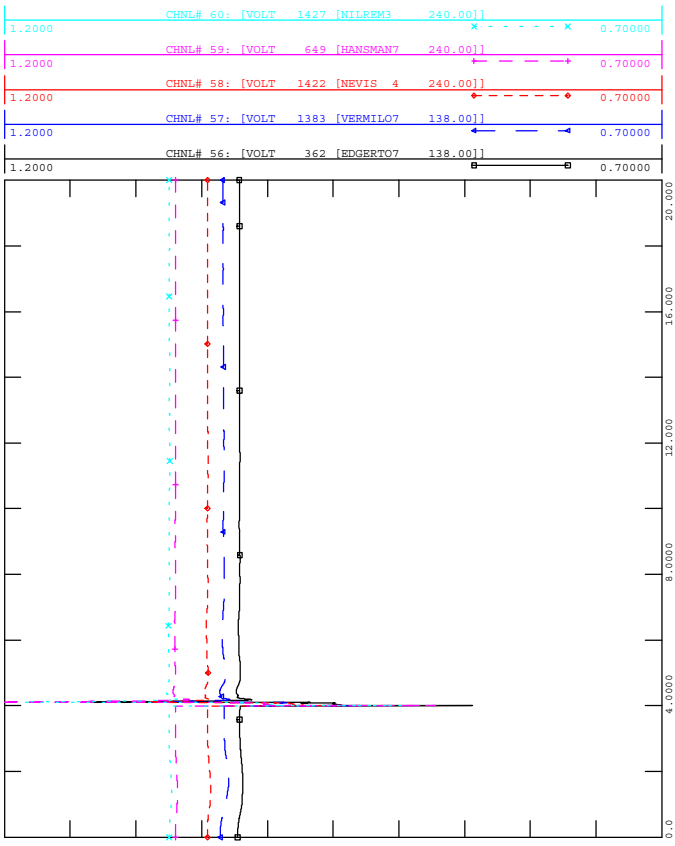
BUS VOLTAGE

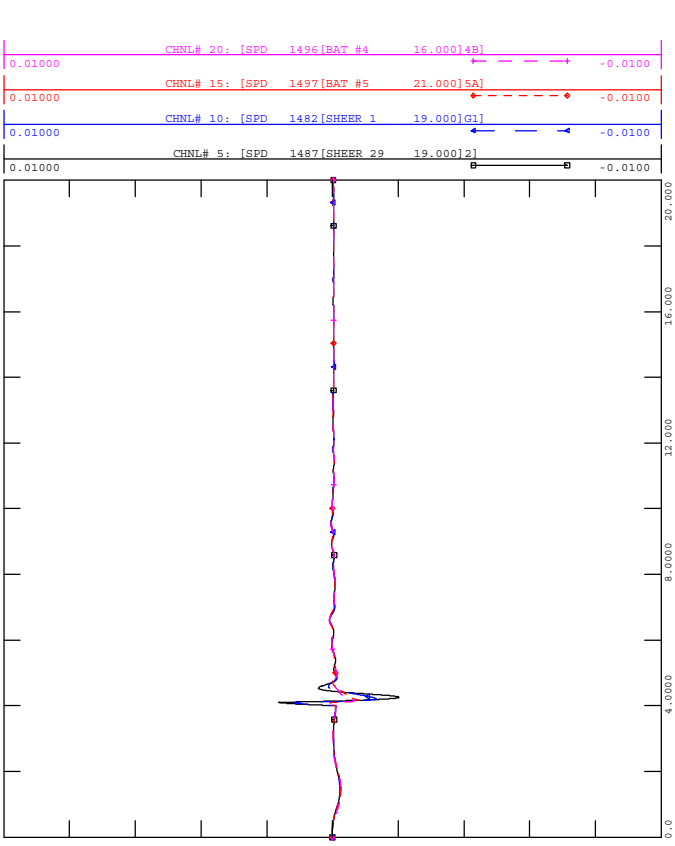


NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:53

MACHINE SPEED



NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out

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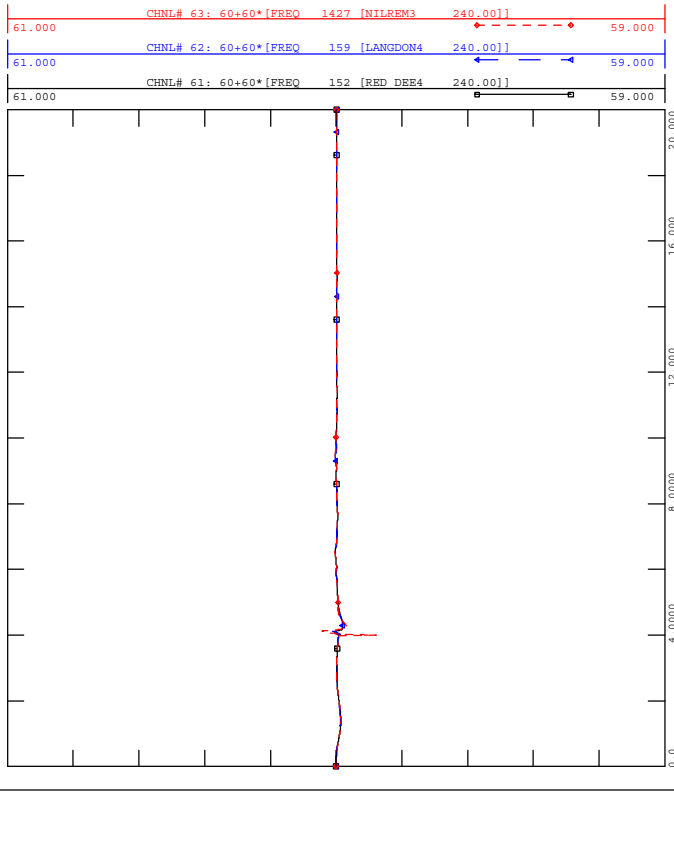
FREQUENCY



NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out

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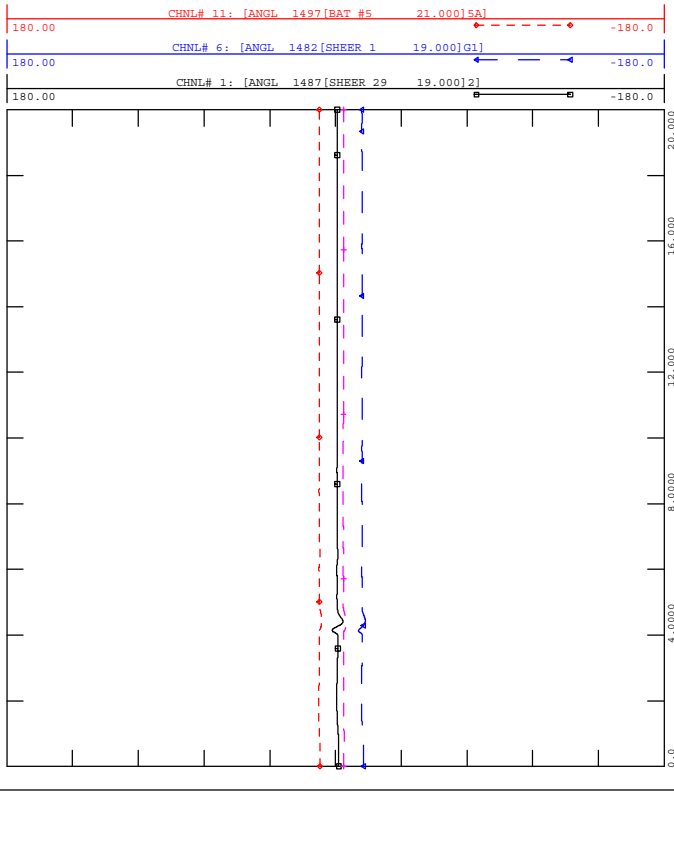
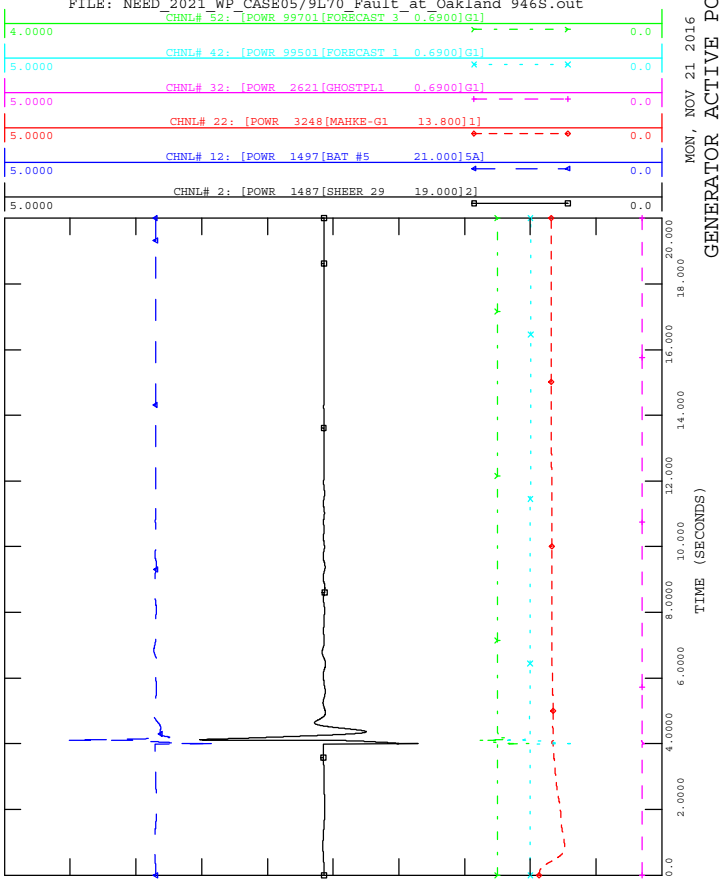
MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out

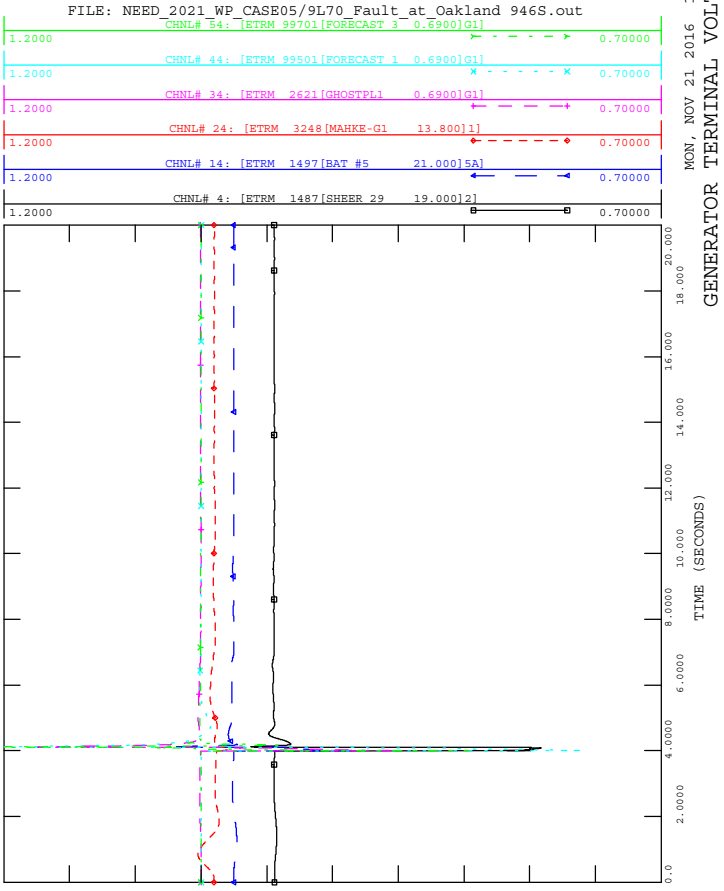


GENERATOR ACTIVE POWER

MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out

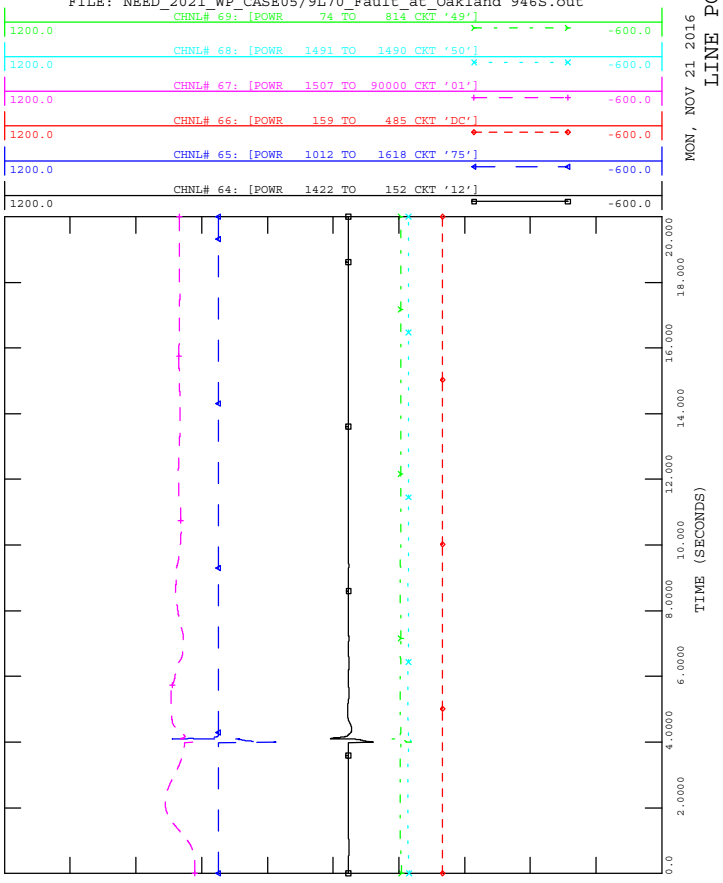


GENERATOR TERMINAL VOLTAG

MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out

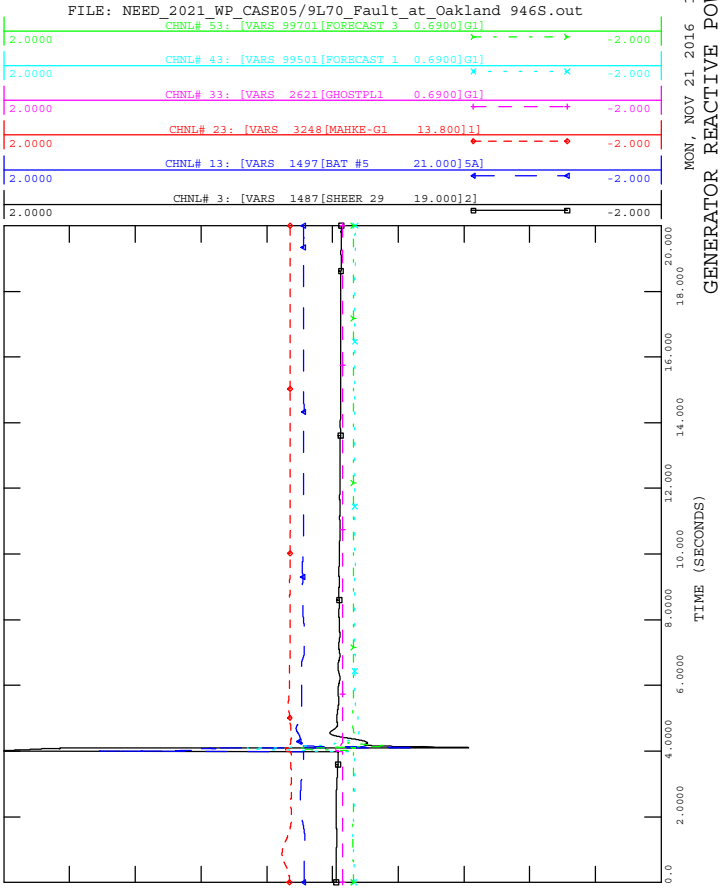


LINE POWER

MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Oakland 946S.out



GENERATOR REACTIVE POWER

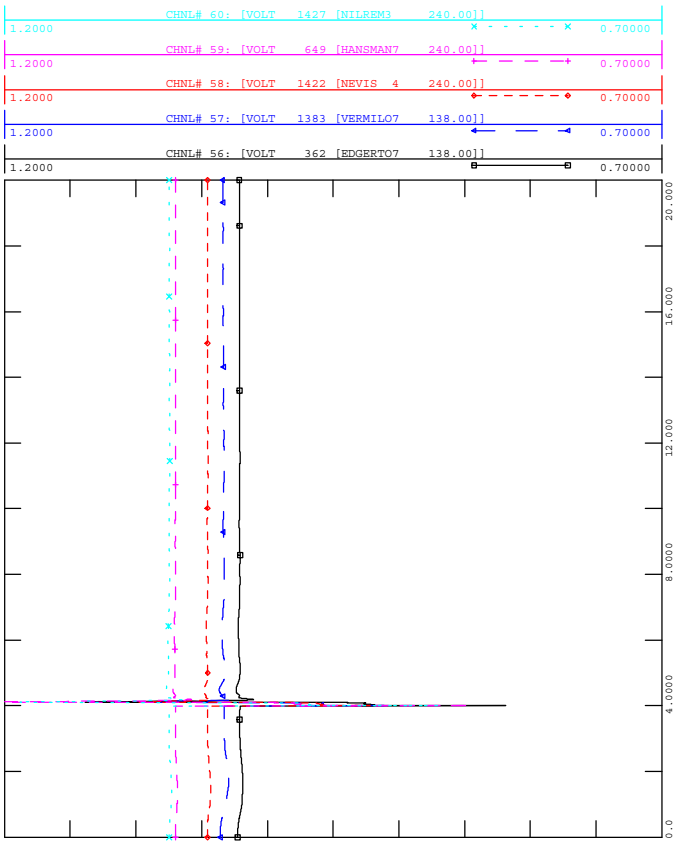
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Anderson 801S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

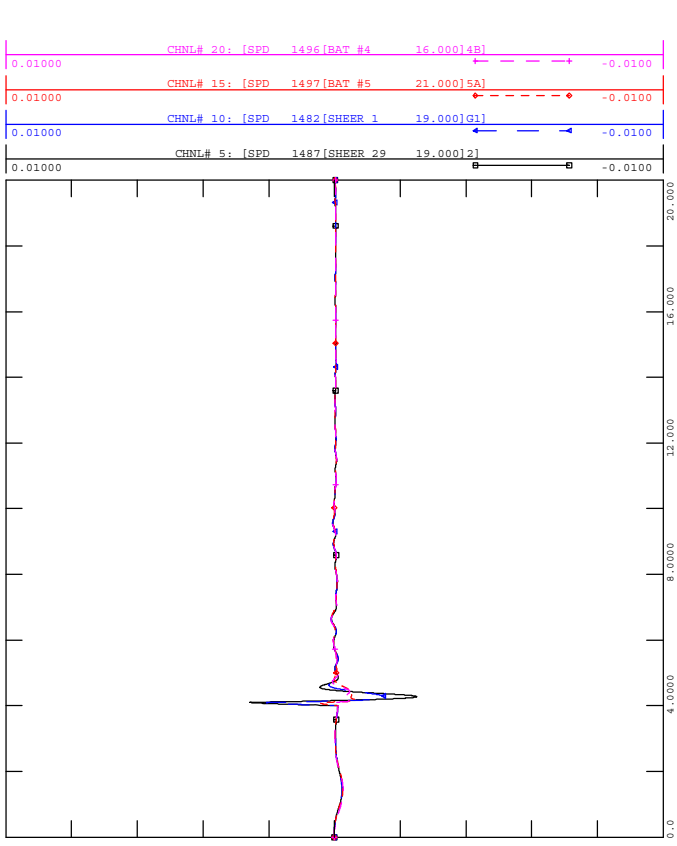


NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Anderson 801S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

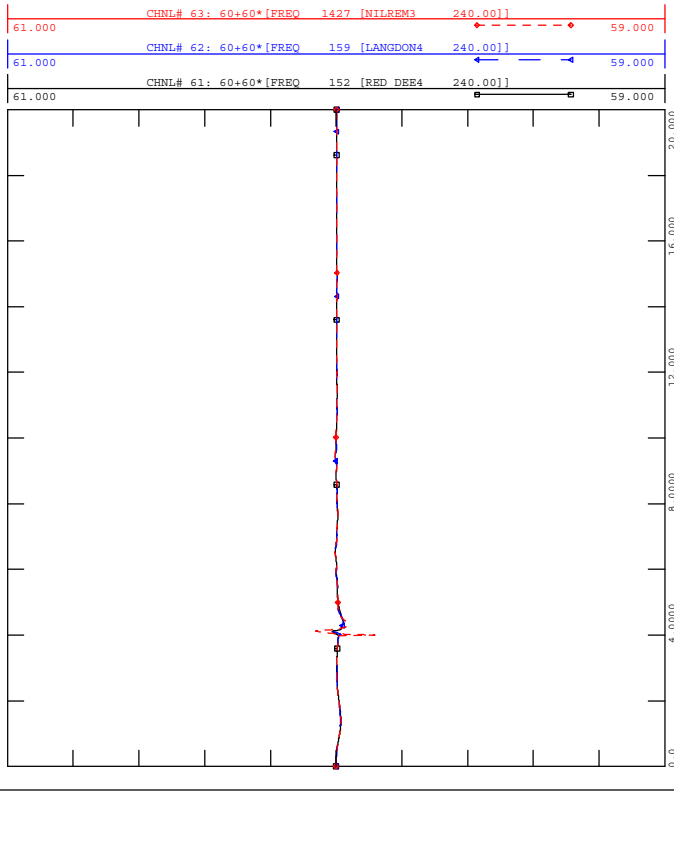


NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Anderson 801S.out

MON, NOV 21 2016 12:53

FREQUENCY

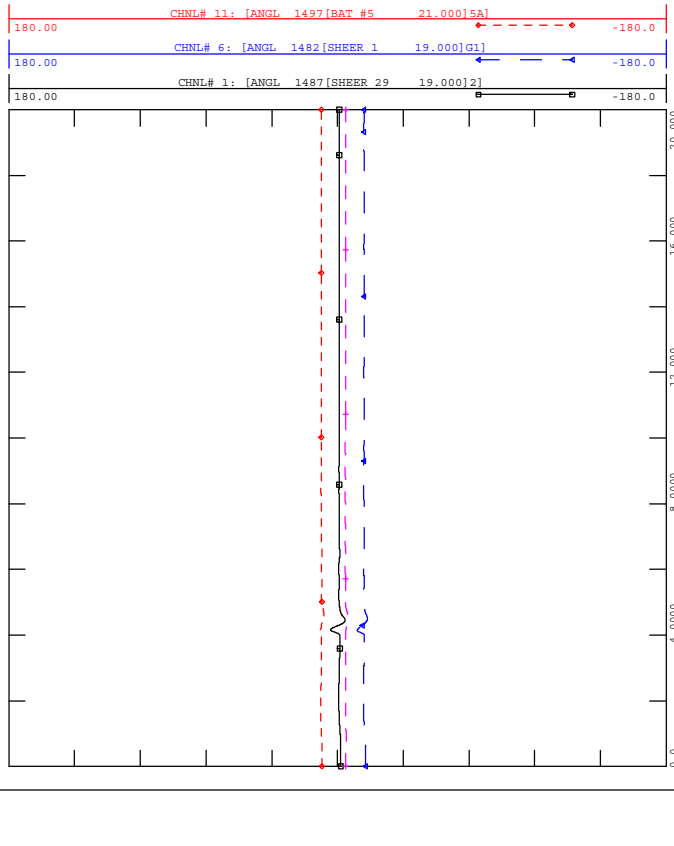


NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Anderson 801S.out

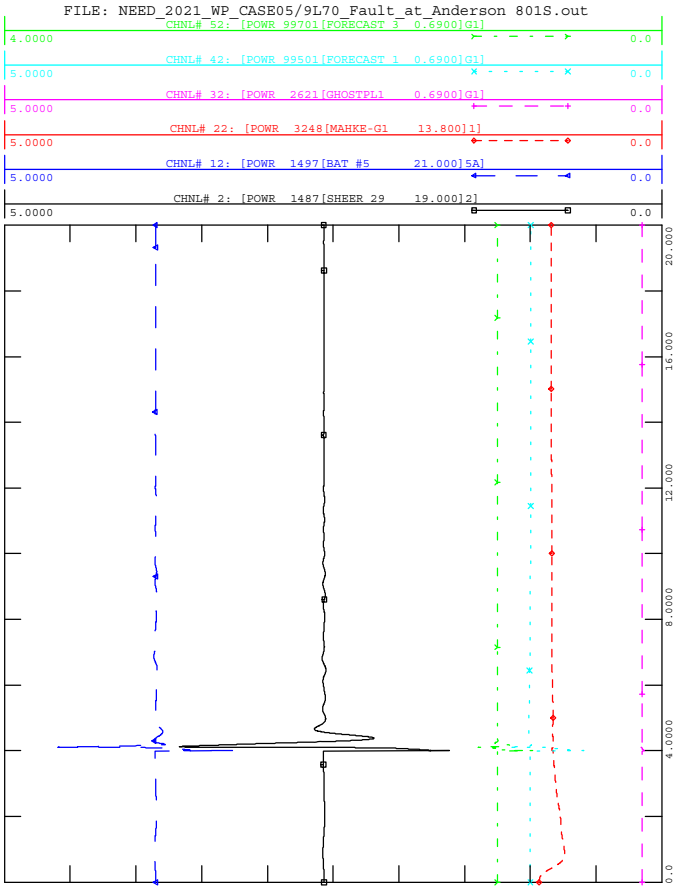
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L70_Fault_at_Anderson 801S.out



NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

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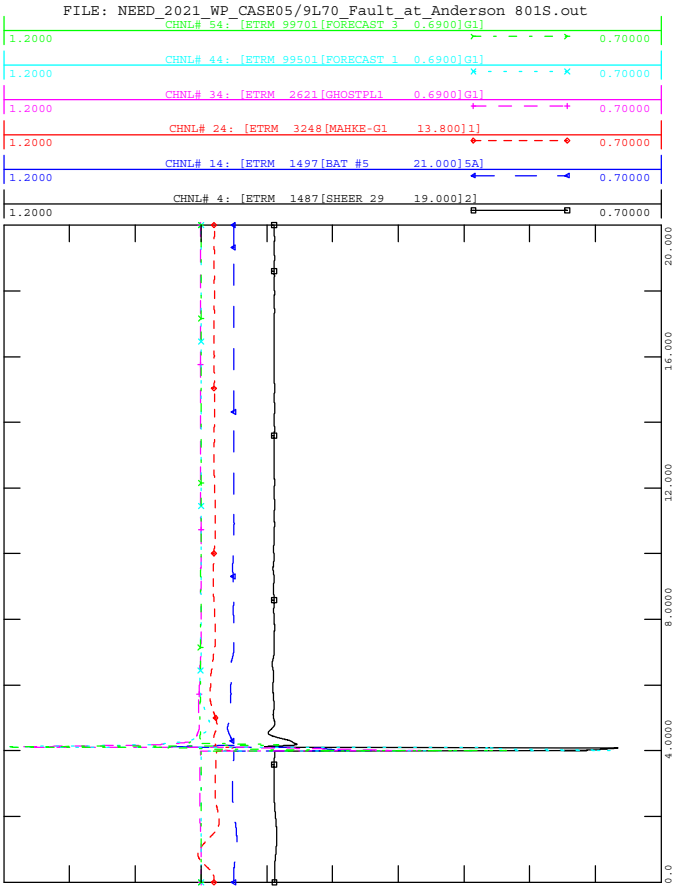

NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

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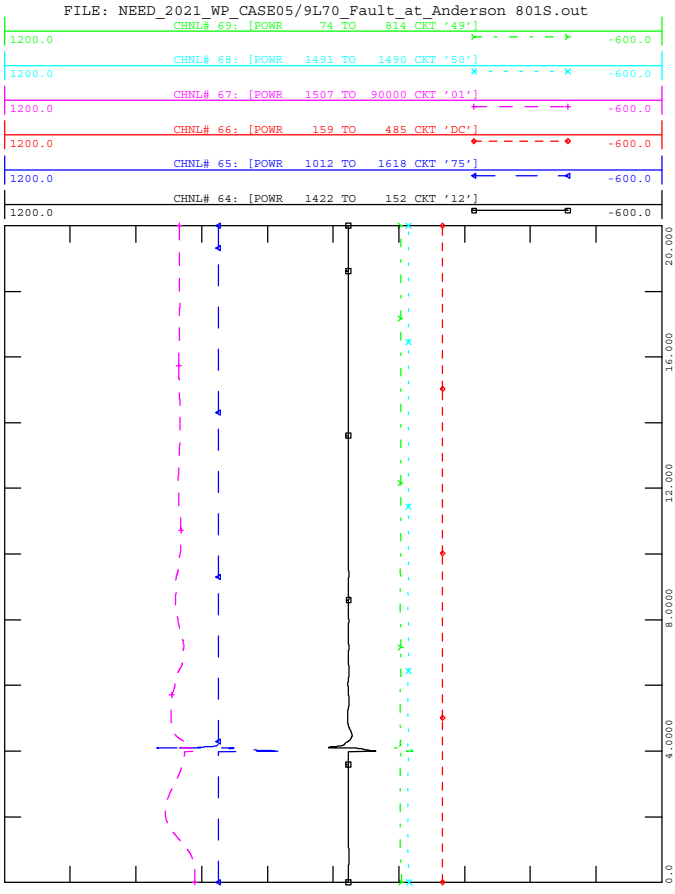

NEED_2021_WP_CASE05
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

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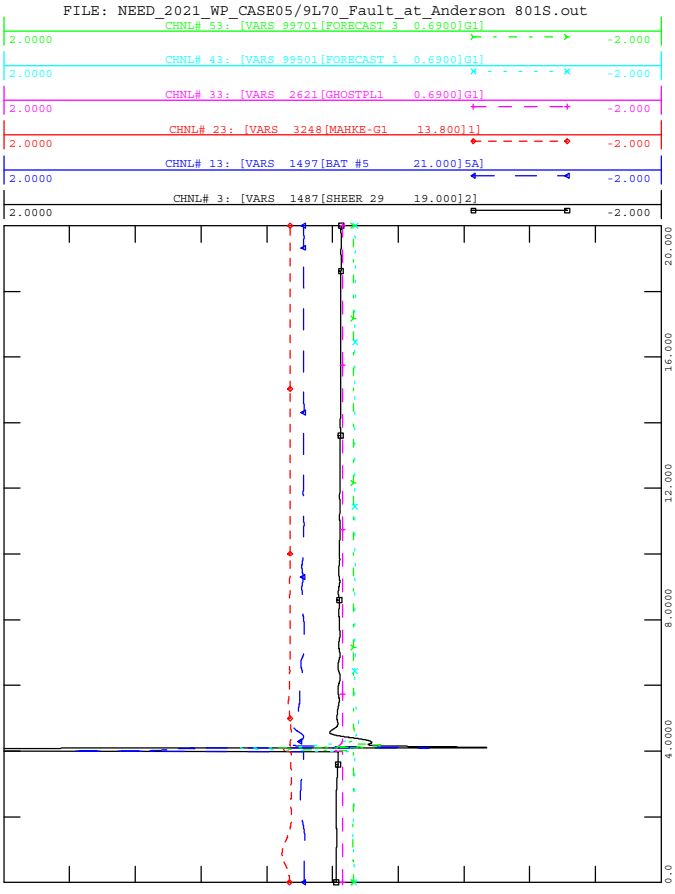
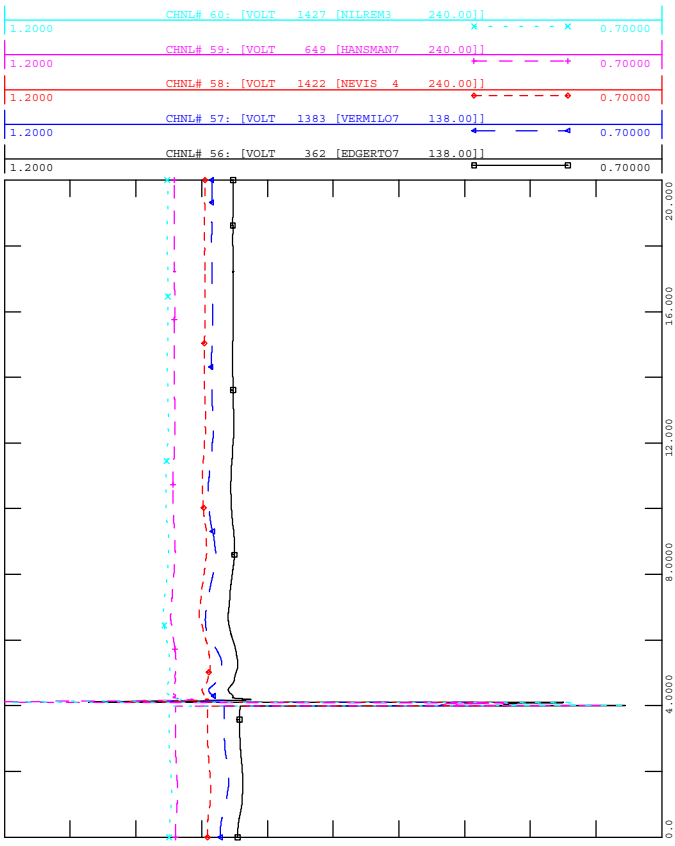


NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

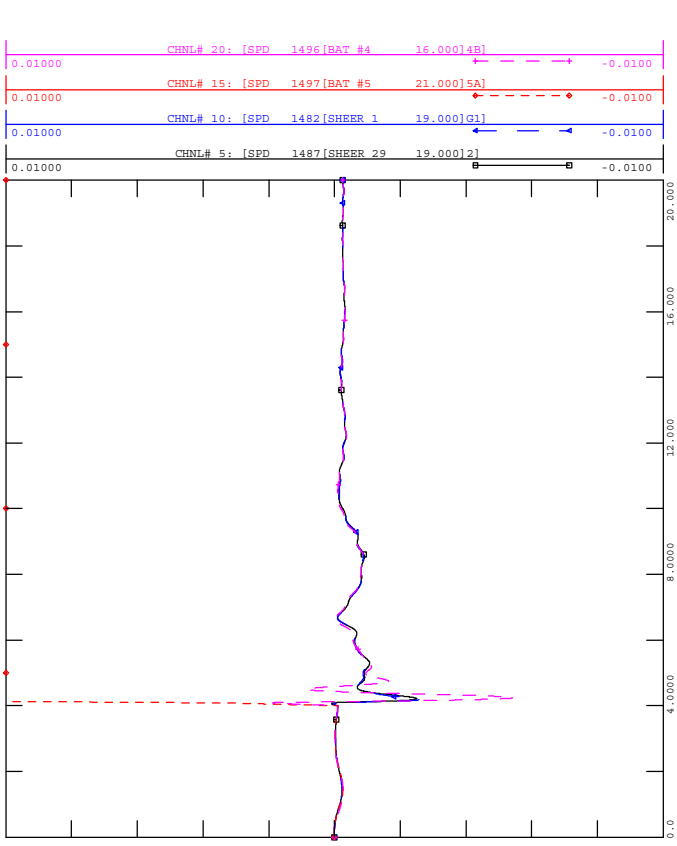


NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

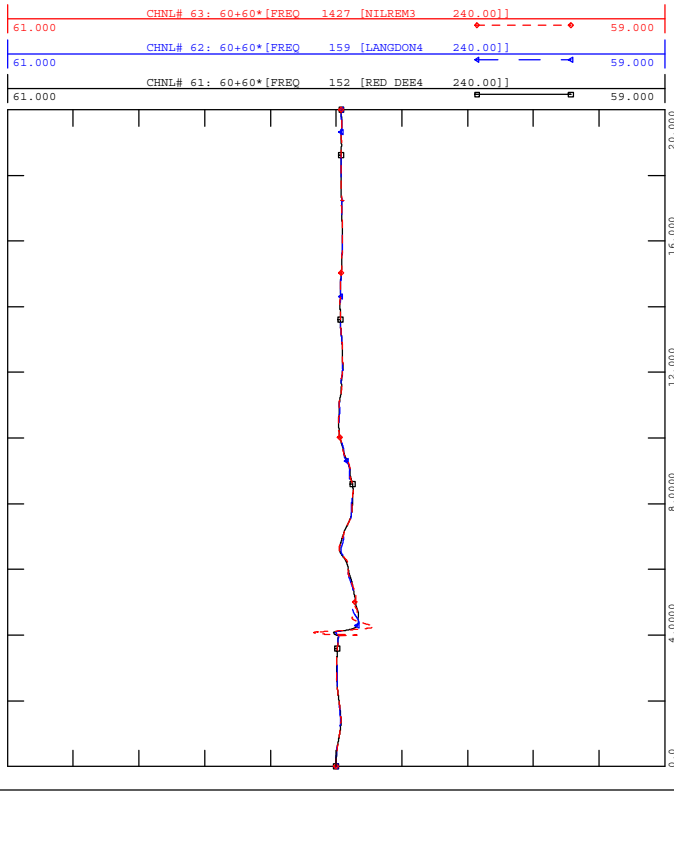


NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Battle River 757S.out

MON, NOV 21 2016 12:53

FREQUENCY

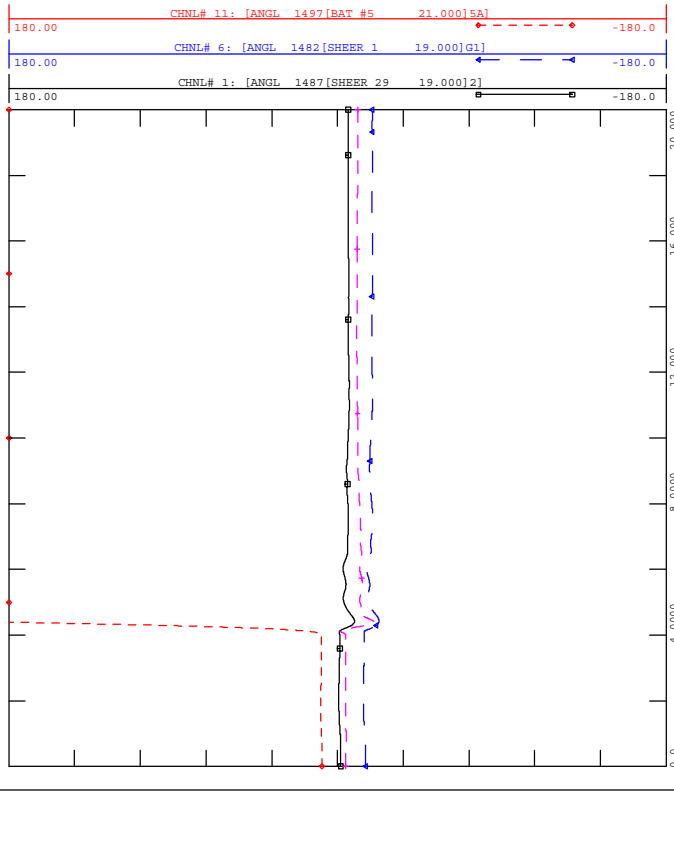


NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Battle River 757S.out

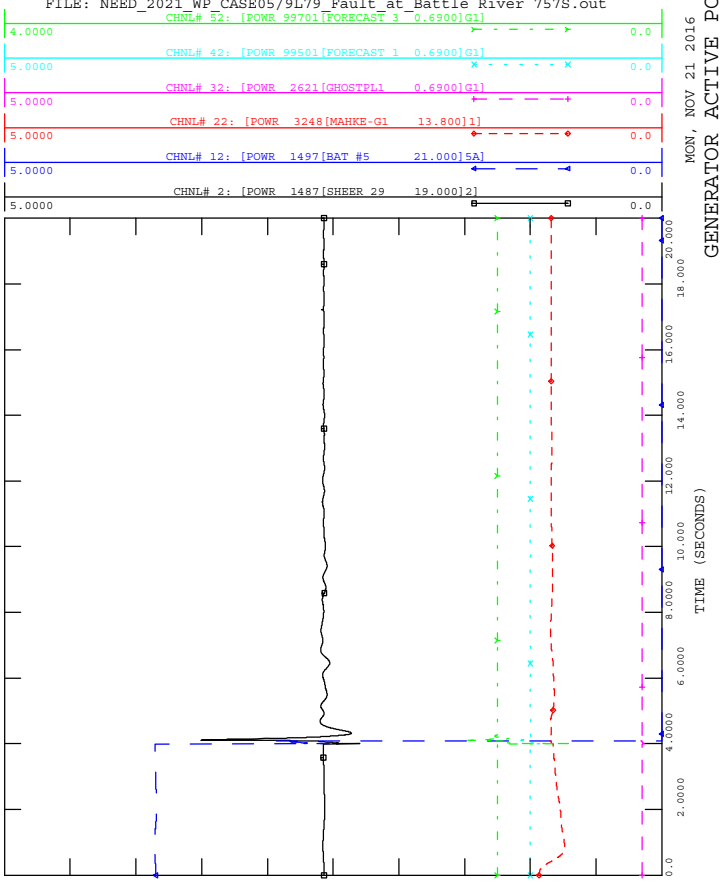
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

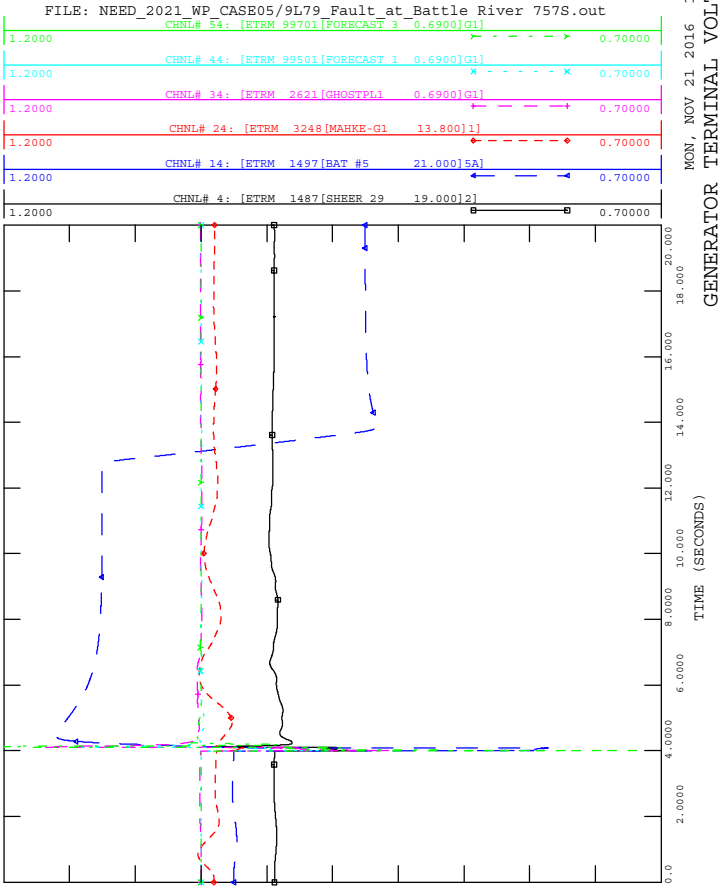
FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Battle River 757S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

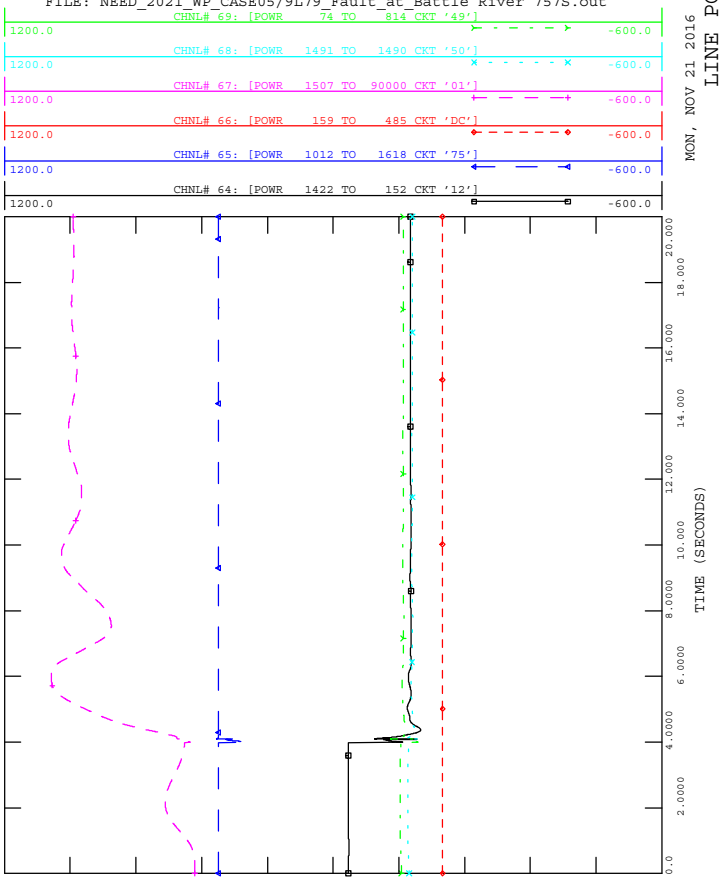
FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Battle River 757S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

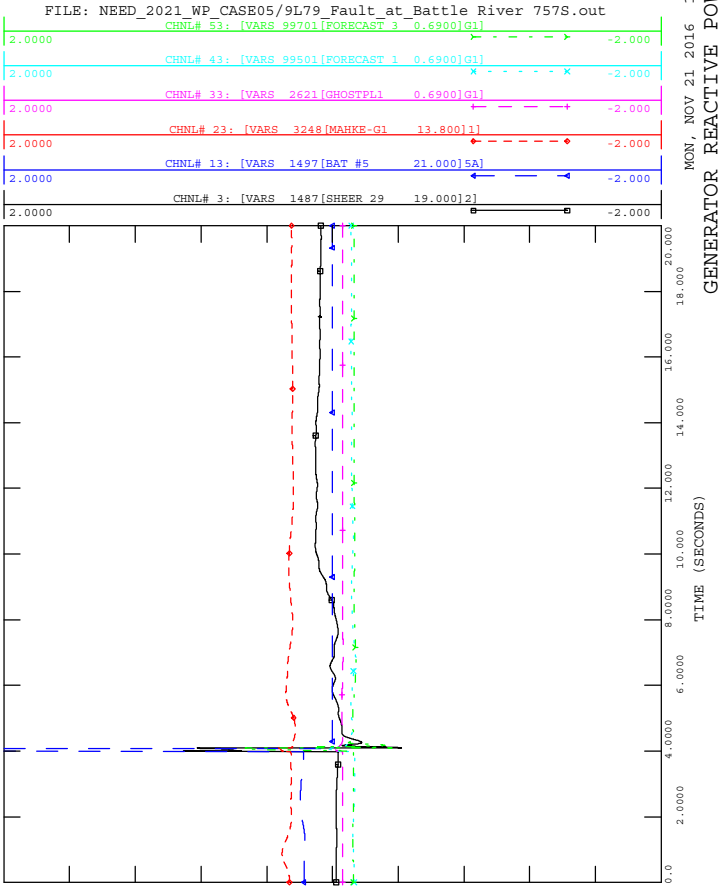
FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Battle River 757S.out



LINE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Battle River 757S.out



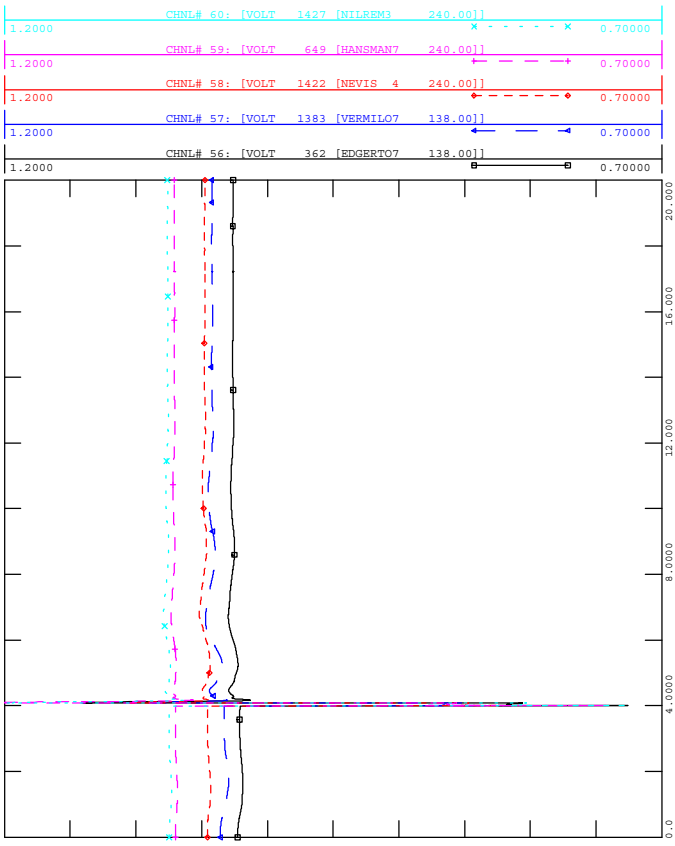
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:53

NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

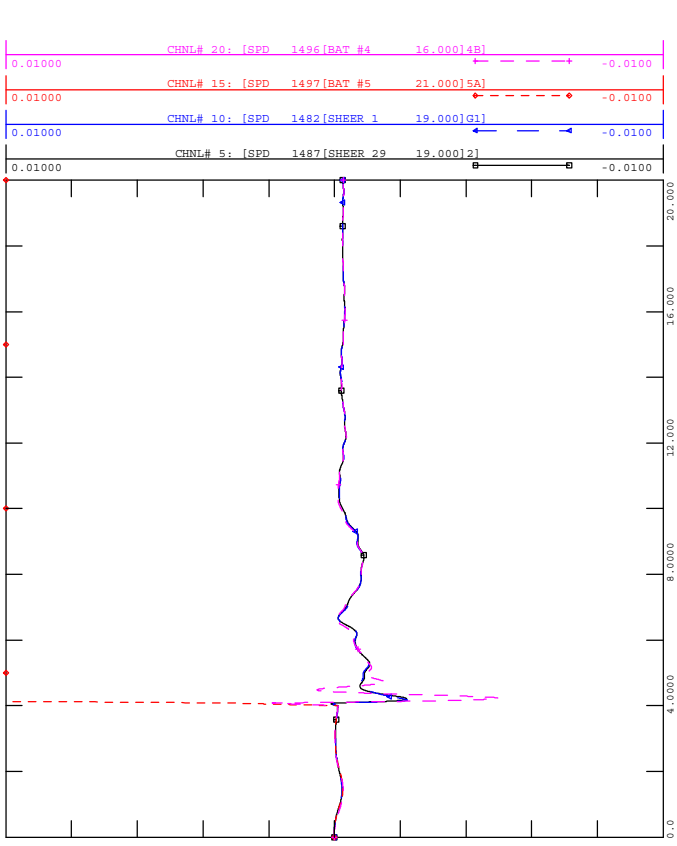


NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

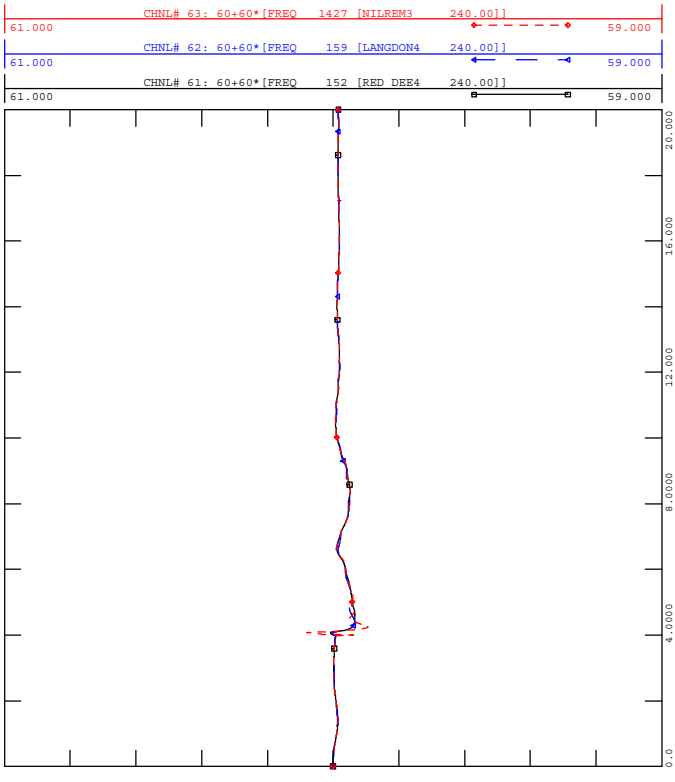


NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:53

FREQUENCY



NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

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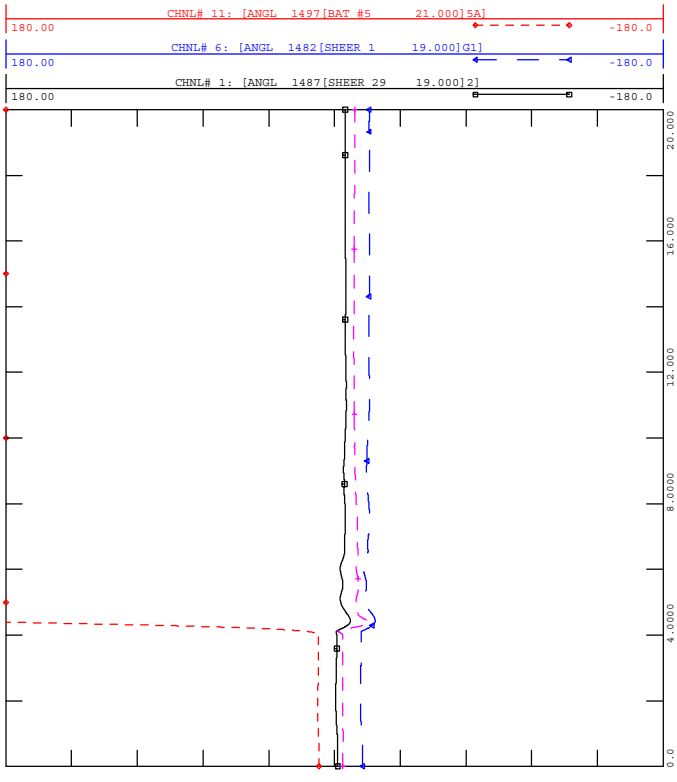
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

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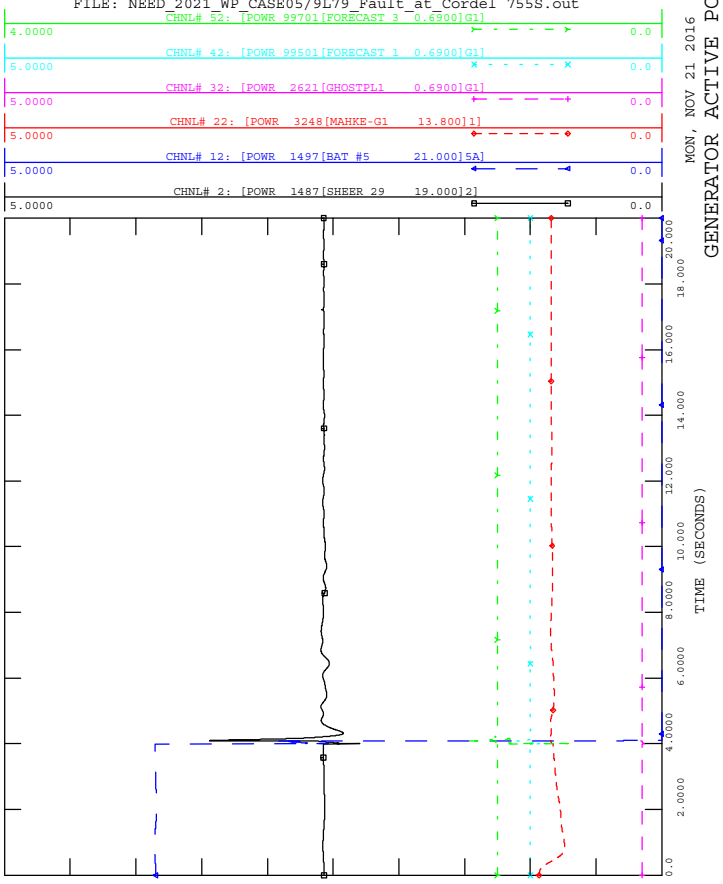
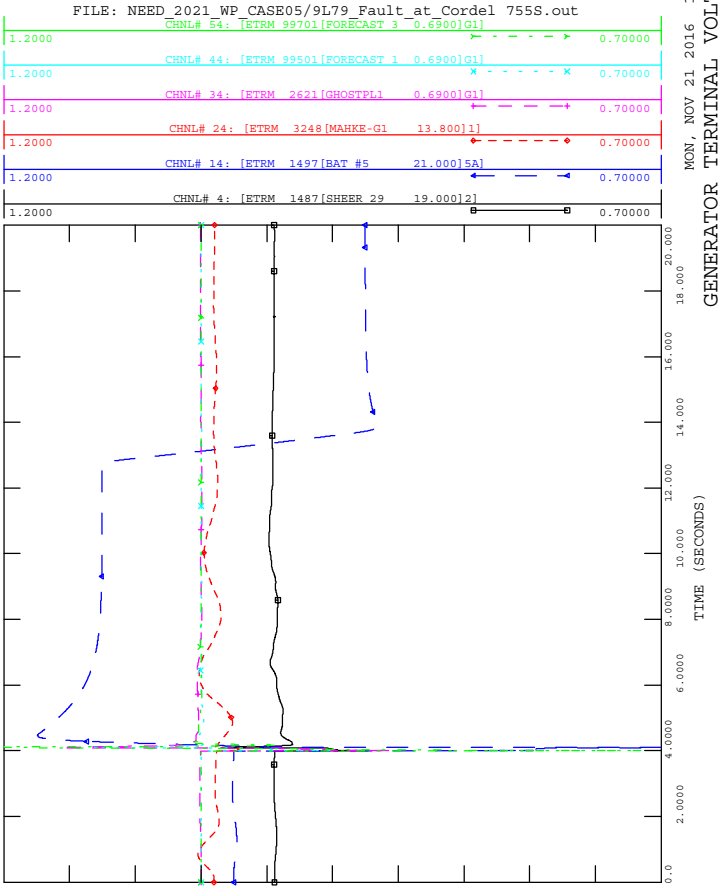


MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

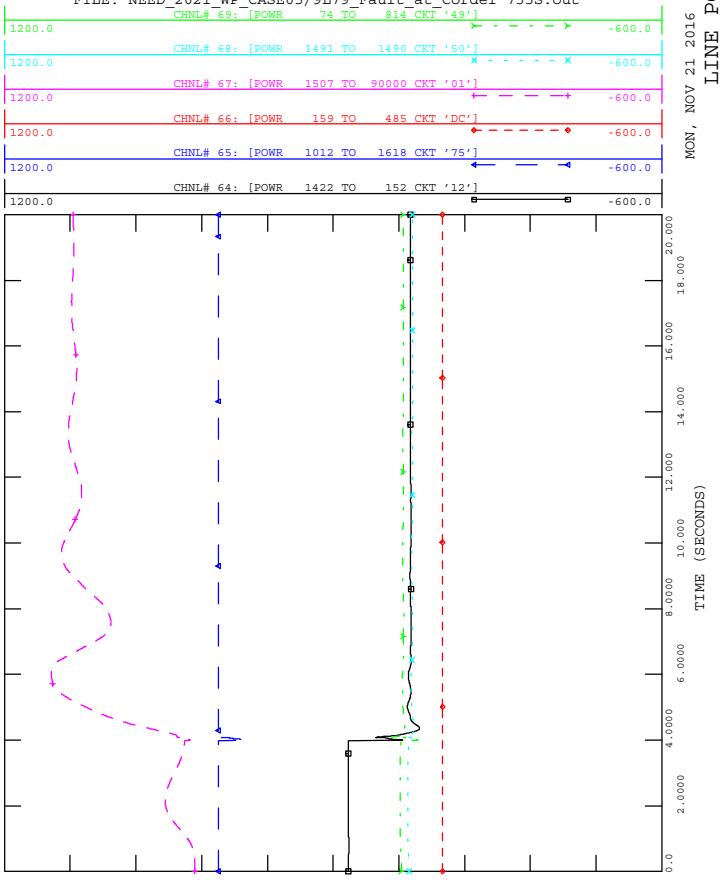
FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

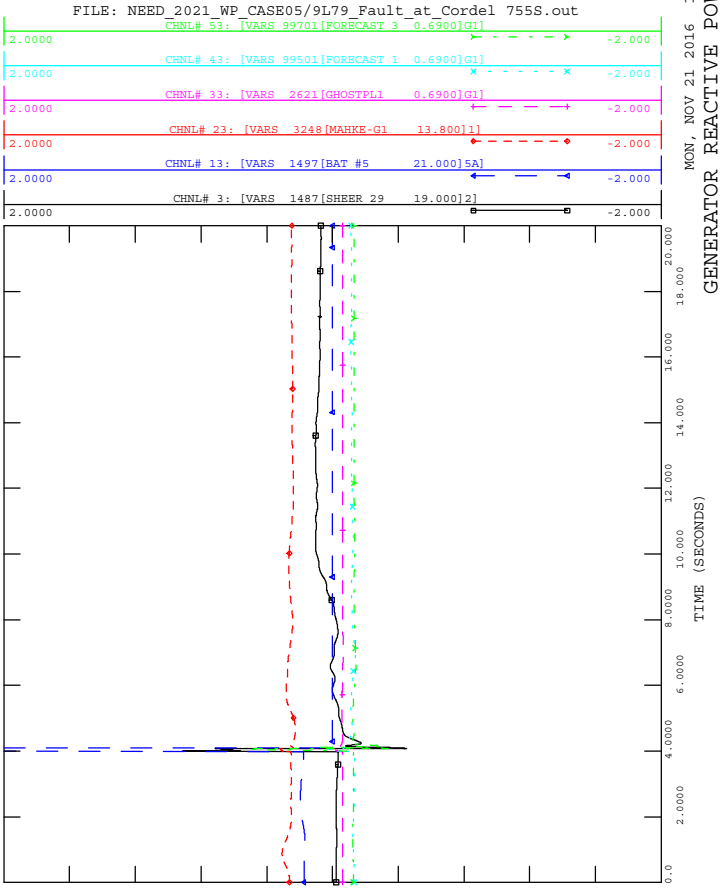
FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

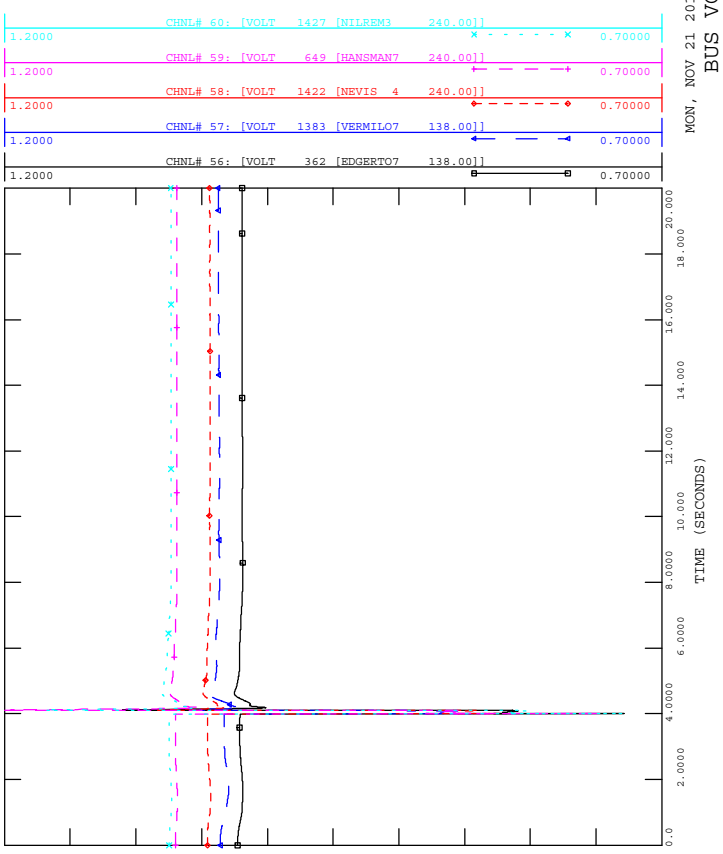
FILE: NEED_2021_WP_CASE05/9L79_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

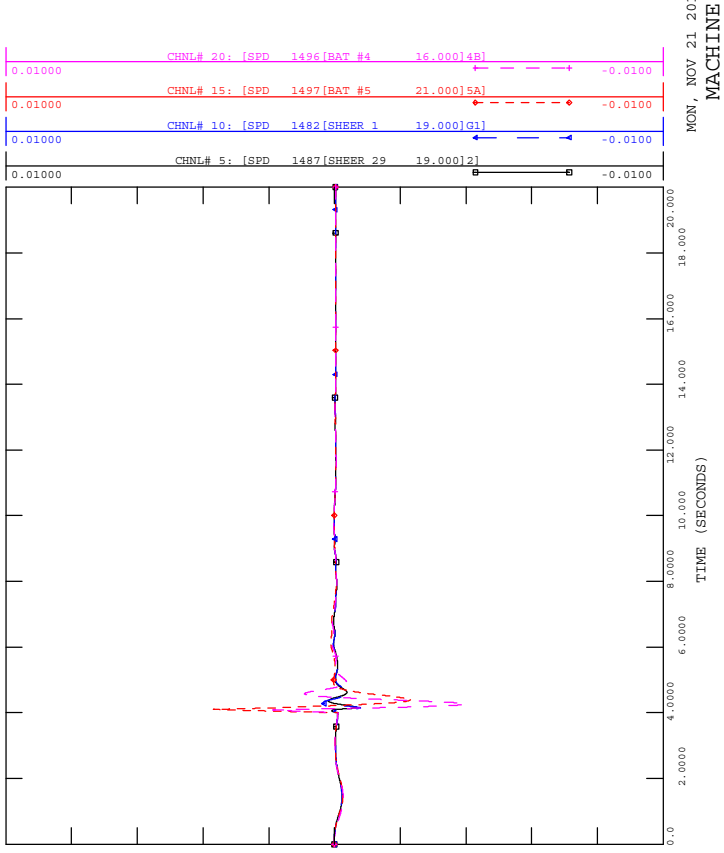
FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
BUS VOLTAGE

NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

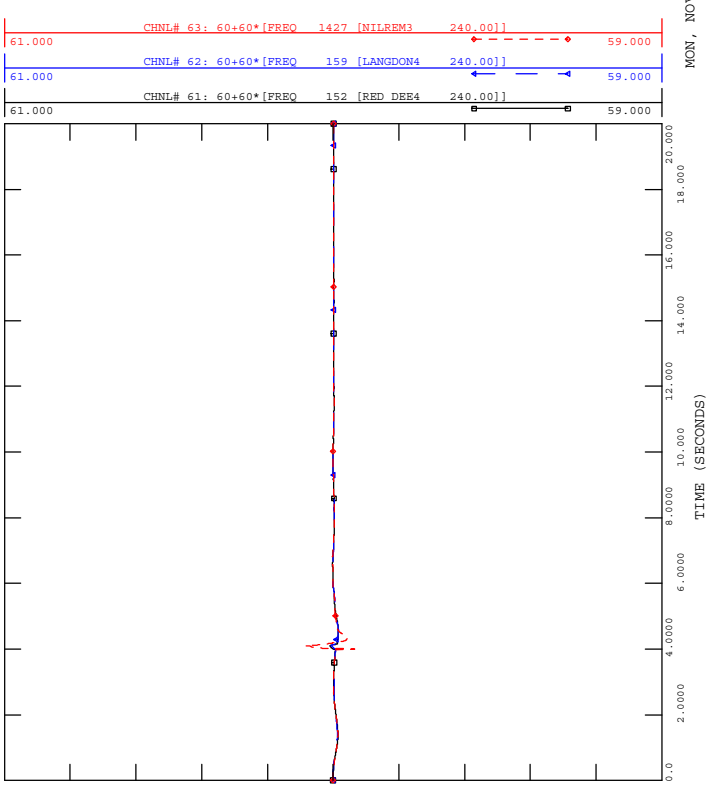
FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
MACHINE SPEED

NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

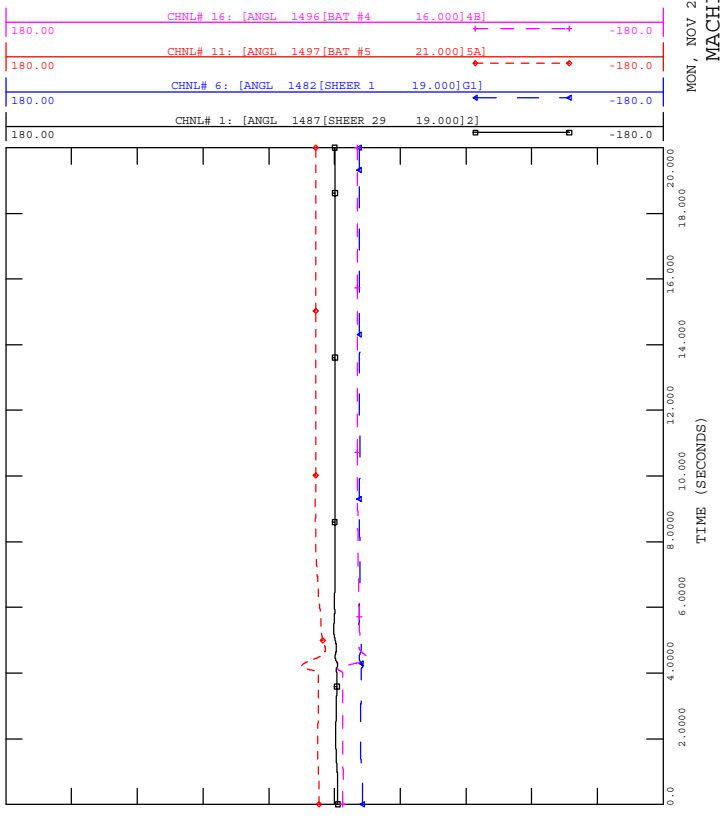
FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
FREQUENCY

NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

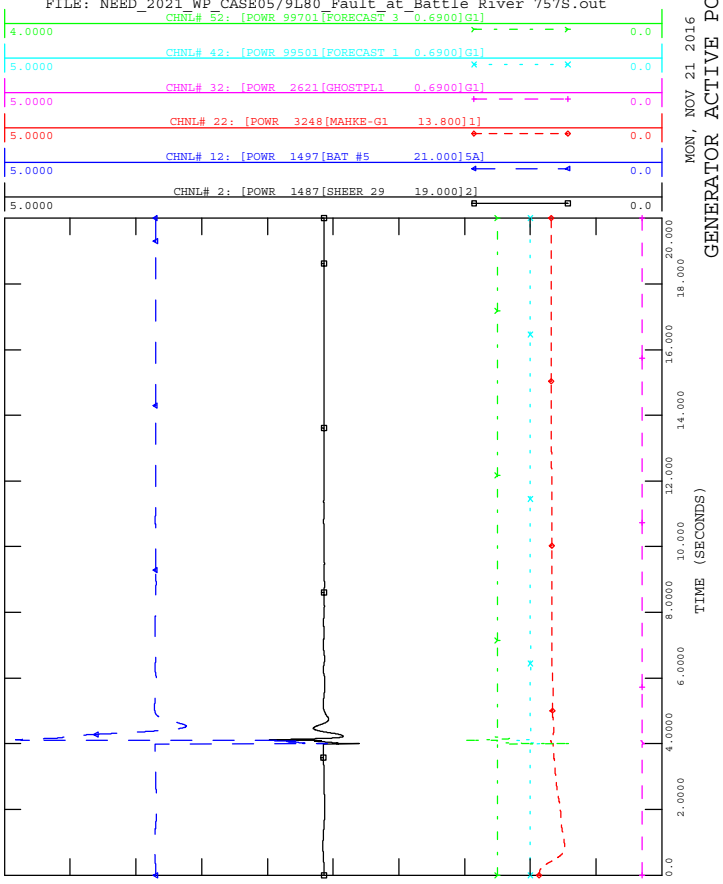
FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53
MACHINE ANGEL

NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Battle River 757S.out

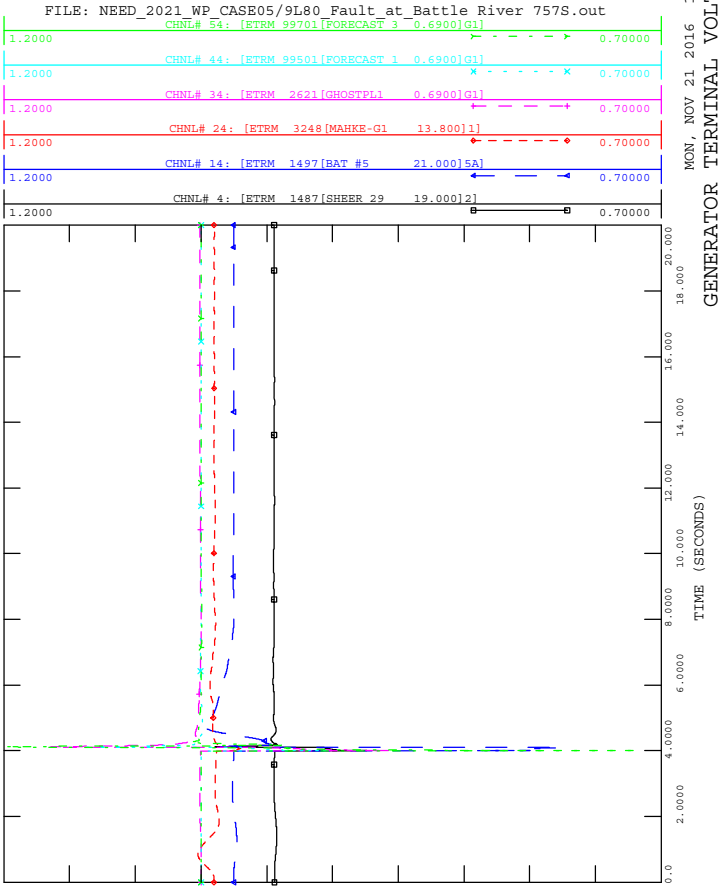


MON, NOV 21 2016 12:53

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Battle River 757S.out

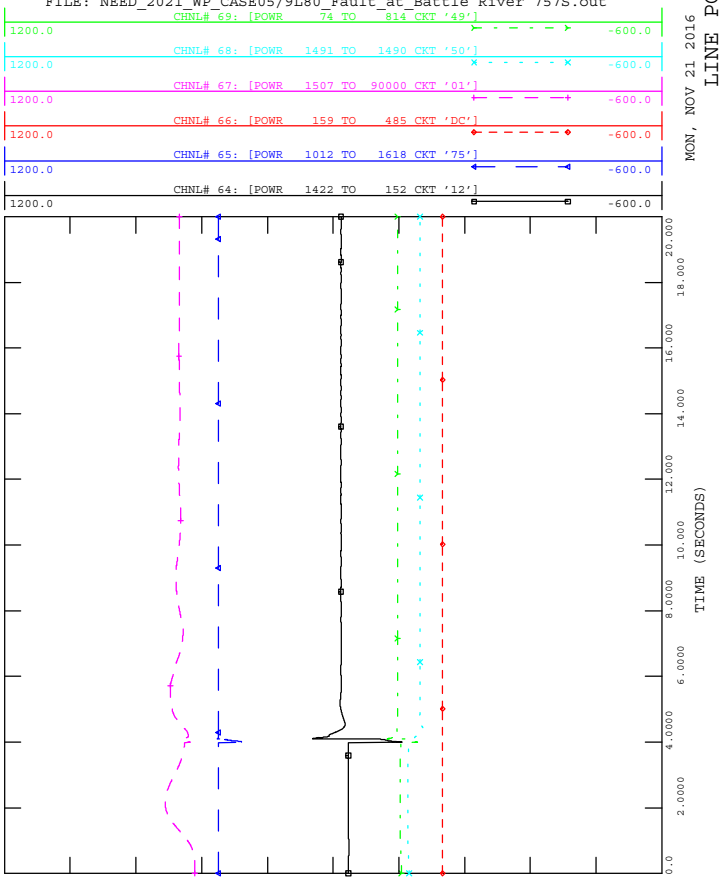


MON, NOV 21 2016 12:53

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Battle River 757S.out

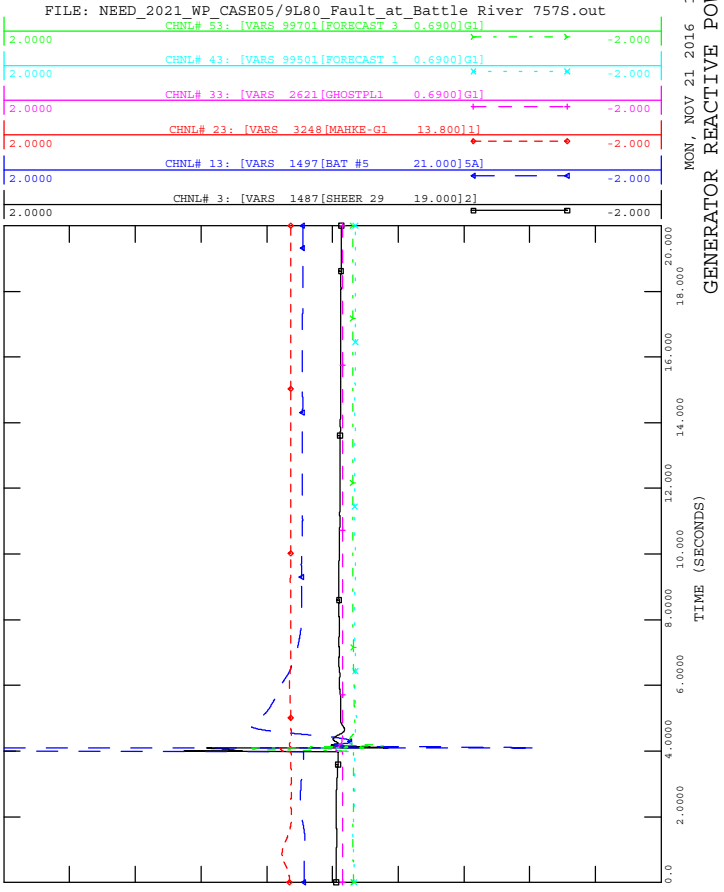


MON, NOV 21 2016 12:53

LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Battle River 757S.out



MON, NOV 21 2016 12:53

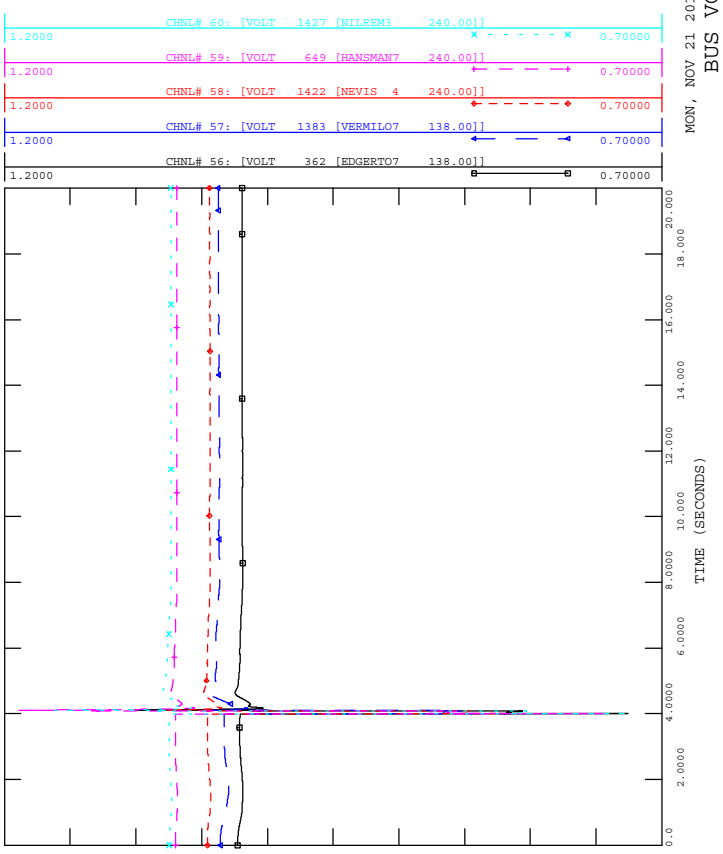
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

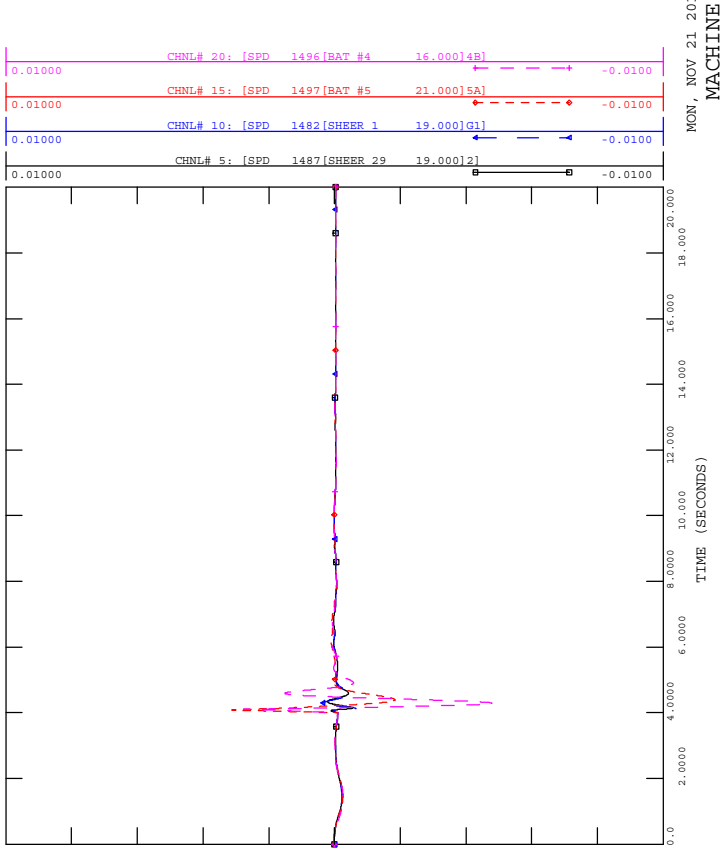


NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

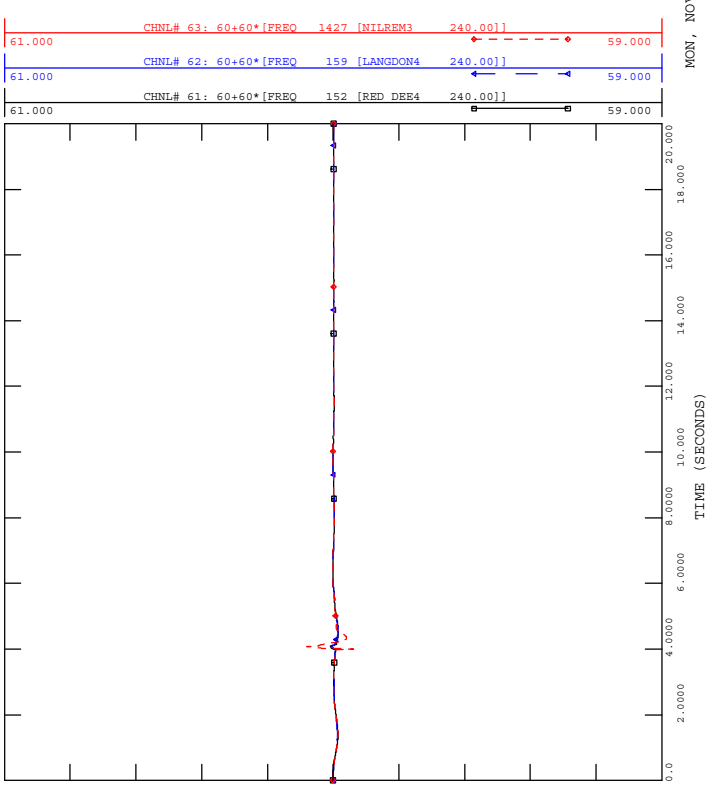


NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Cordel 755S.out

MON, NOV 21 2016 12:53

FREQUENCY

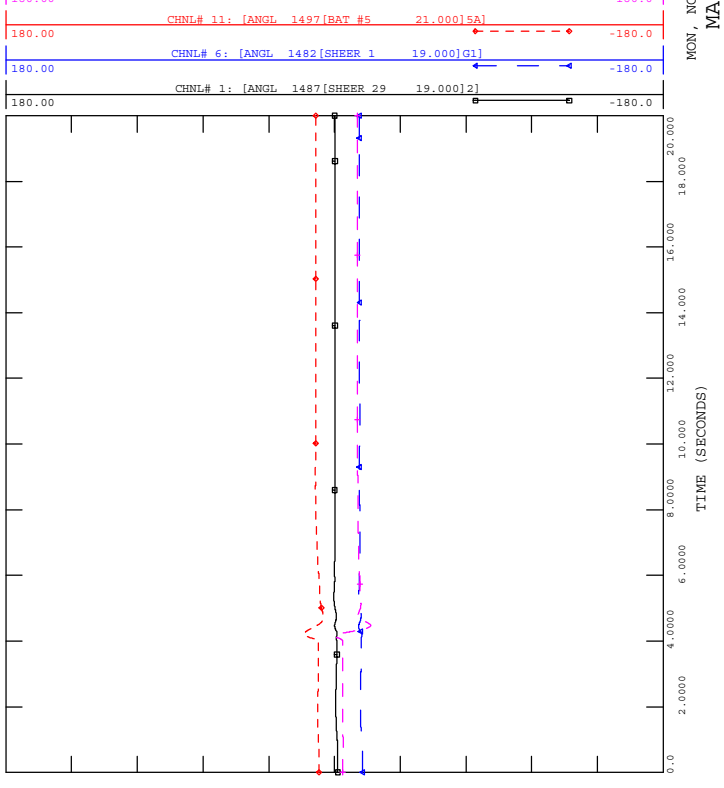


NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Cordel 755S.out

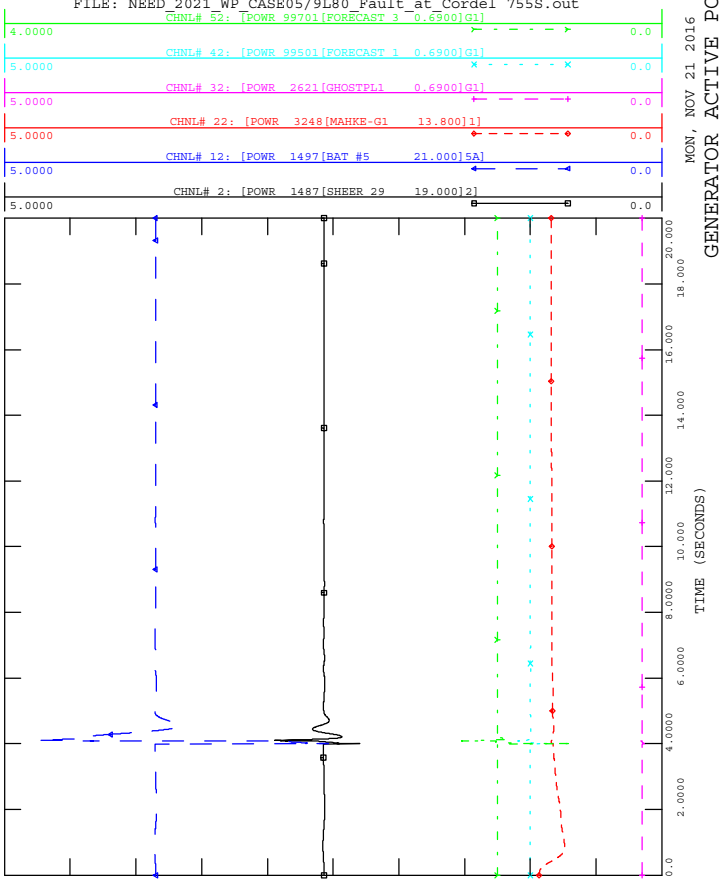
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

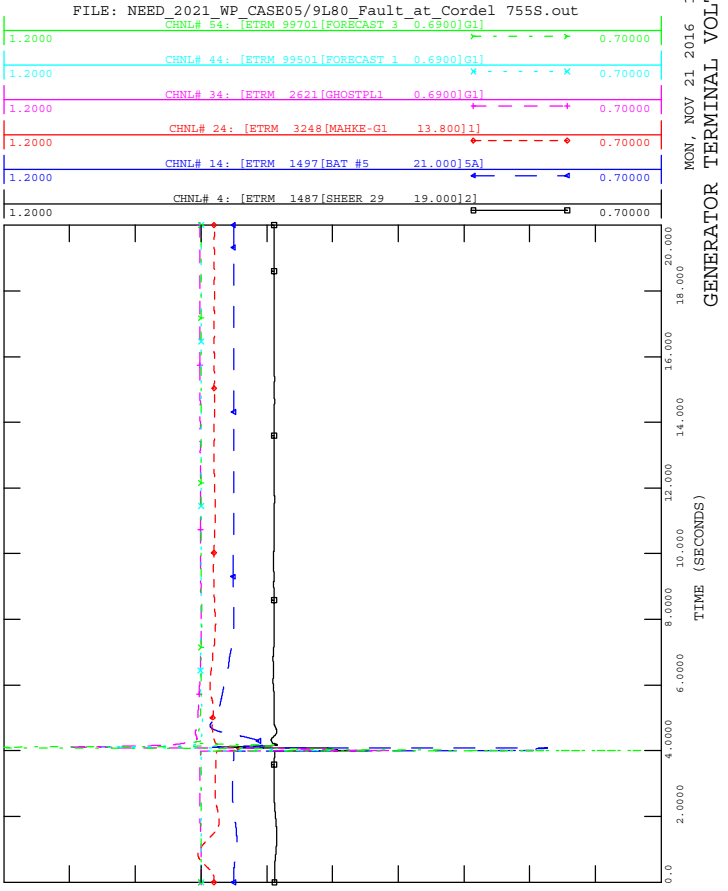
FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

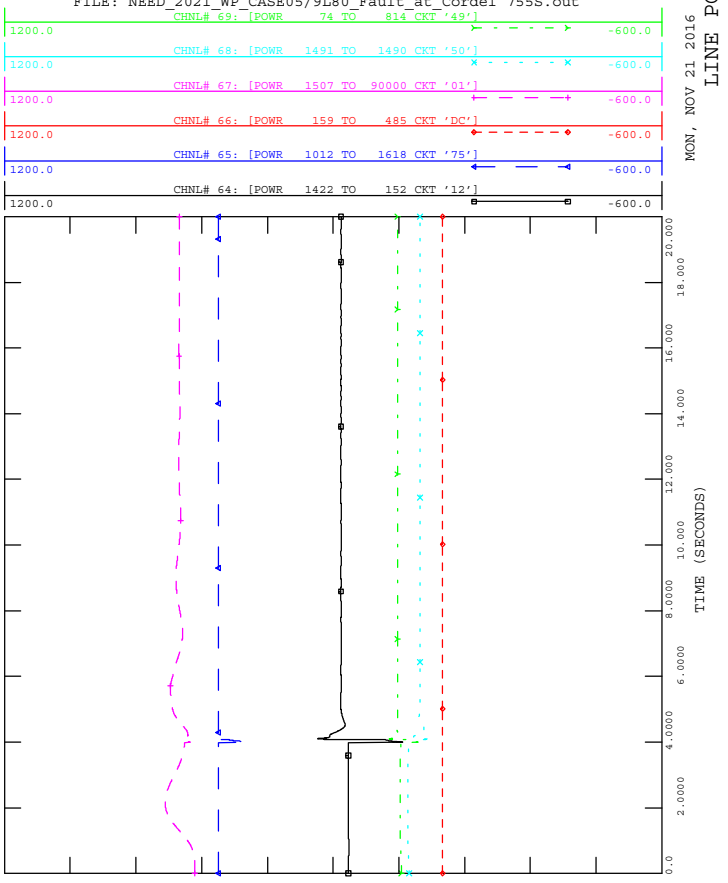
FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

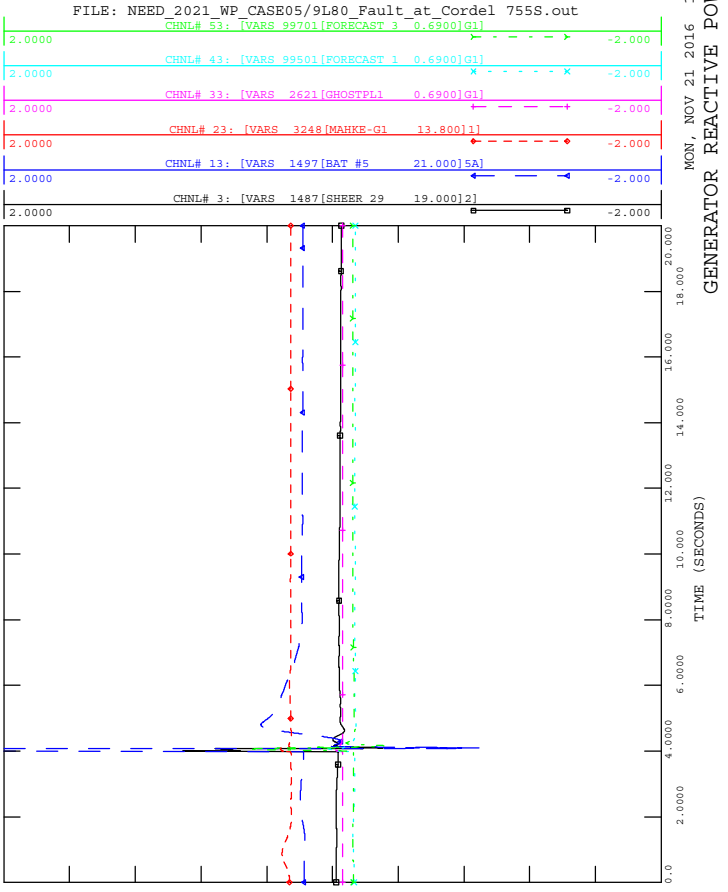
FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Cordel 755S.out



MON, NOV 21 2016 12:53
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: NEED_2021_WP_CASE05/9L80_Fault_at_Cordel 755S.out



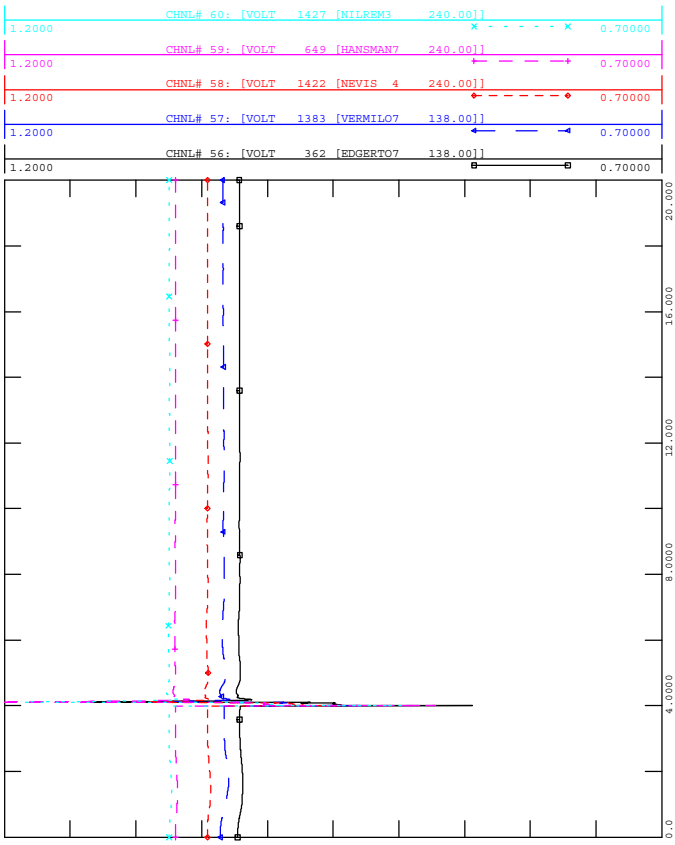
MON, NOV 21 2016 12:53
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

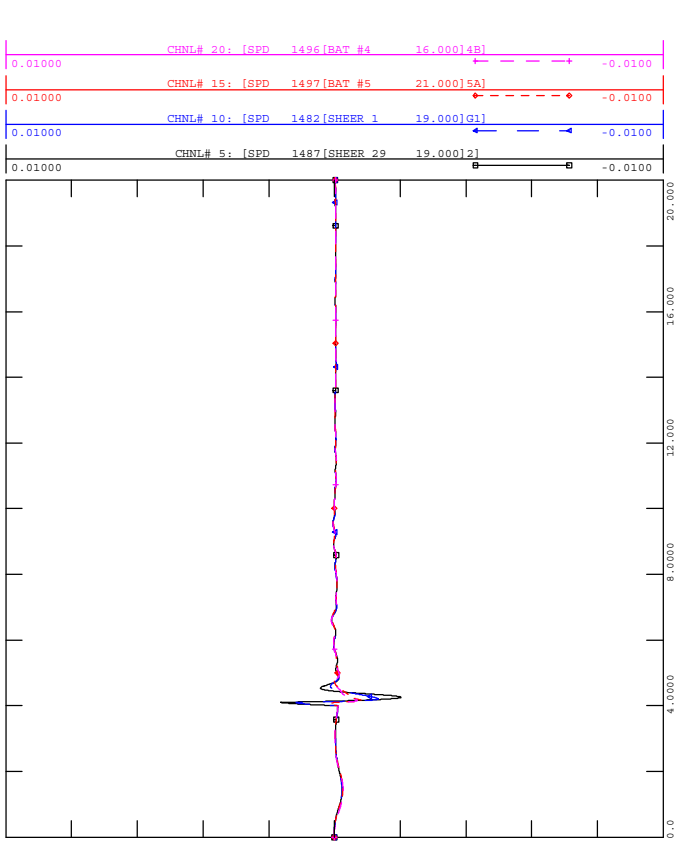


NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

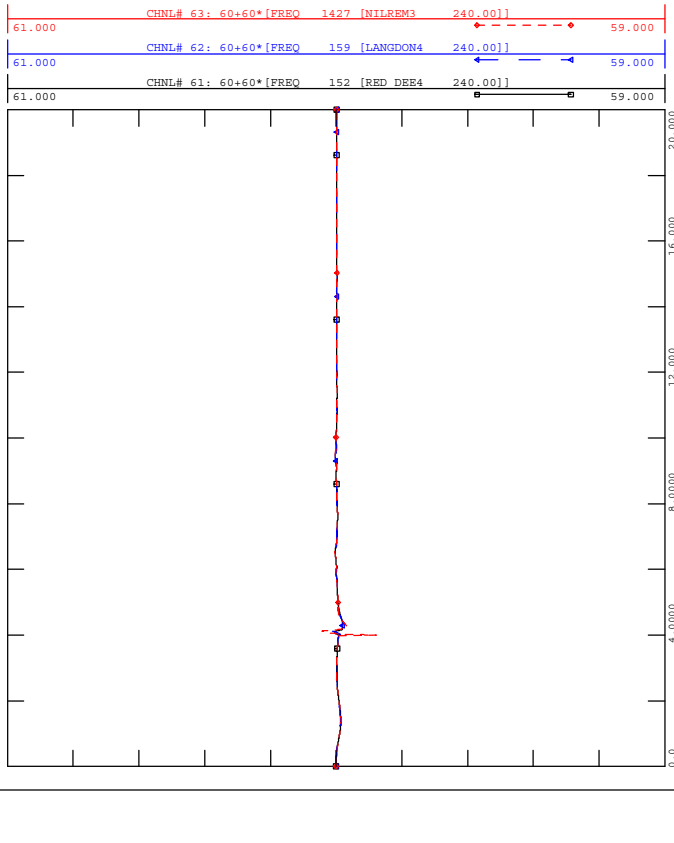


NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out

MON, NOV 21 2016 12:53

FREQUENCY

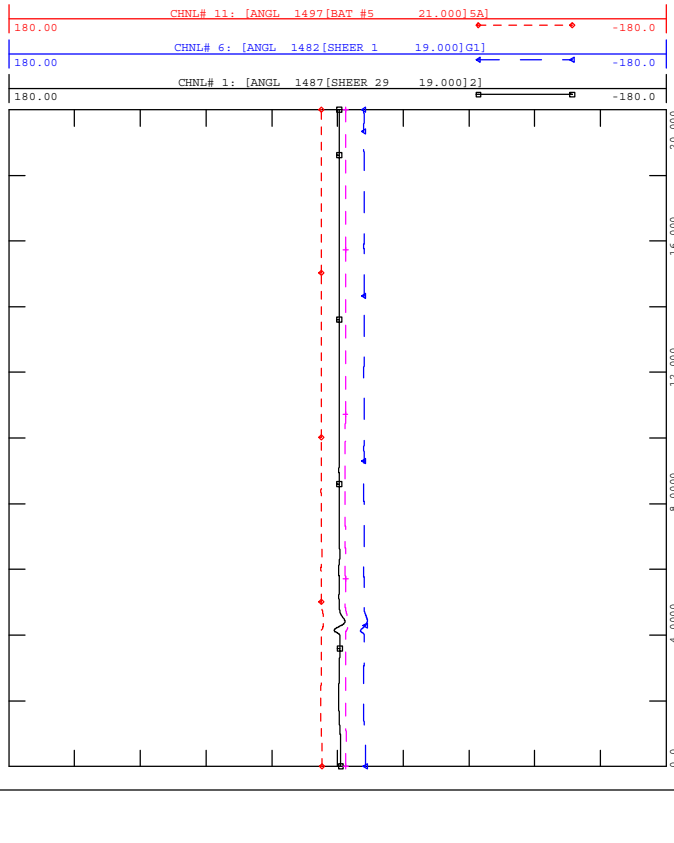


NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out

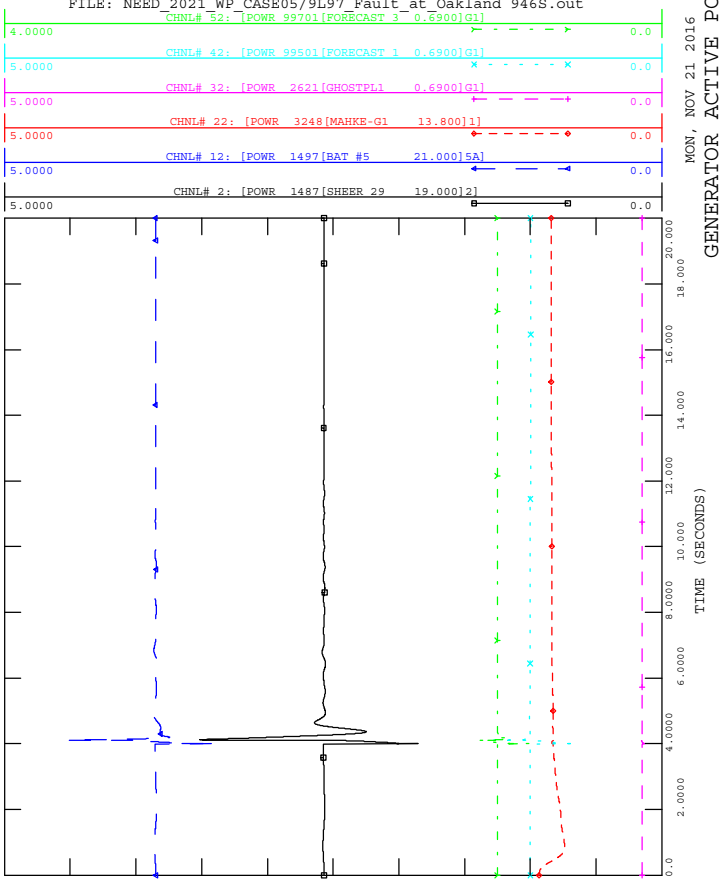
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out

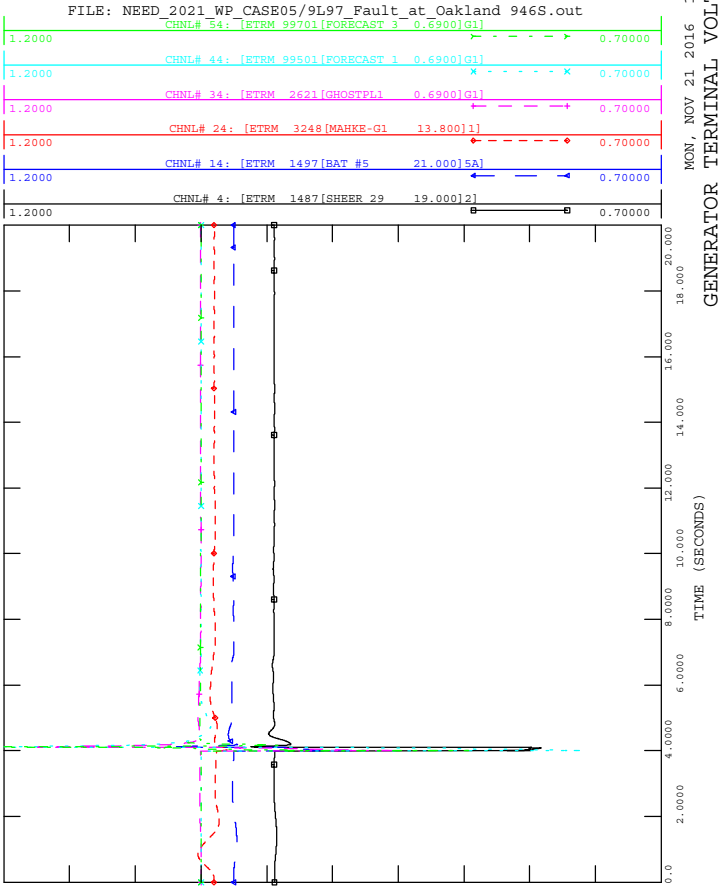


MON, NOV 21 2016 12:53

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out

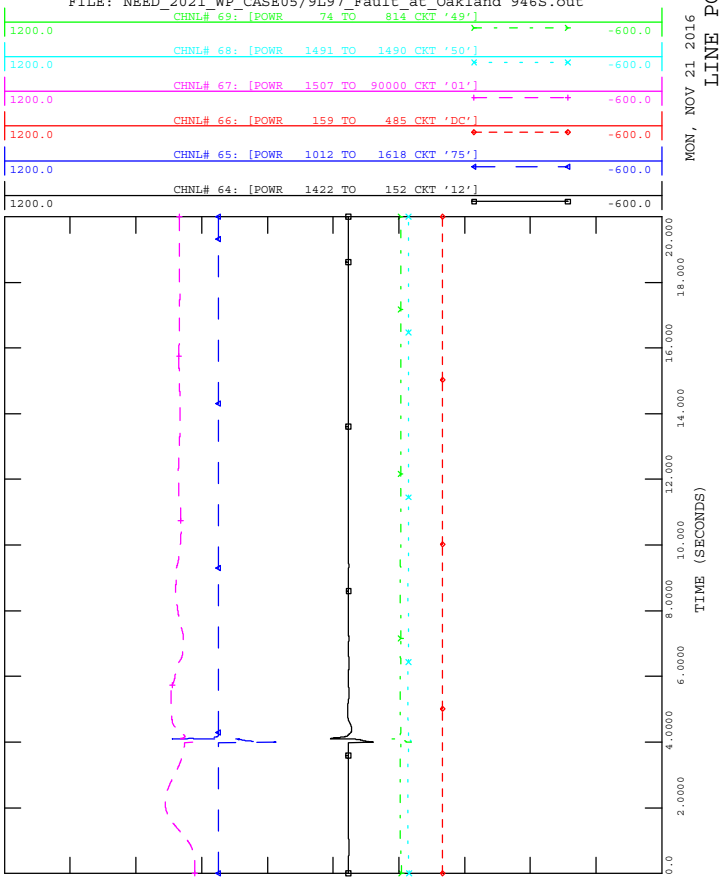


MON, NOV 21 2016 12:53

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out

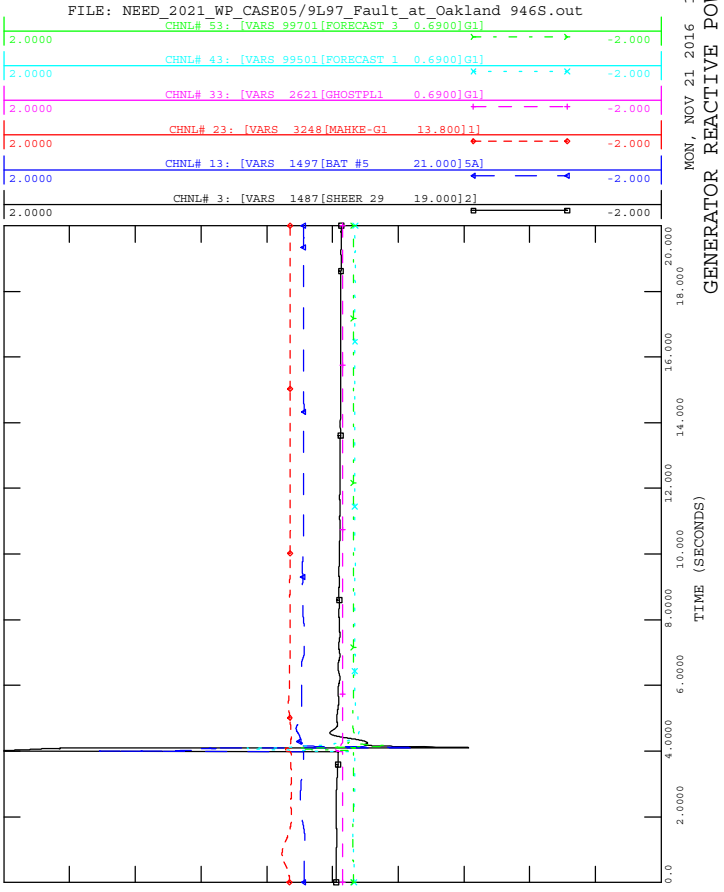


MON, NOV 21 2016 12:53

LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Oakland 946S.out



MON, NOV 21 2016 12:53

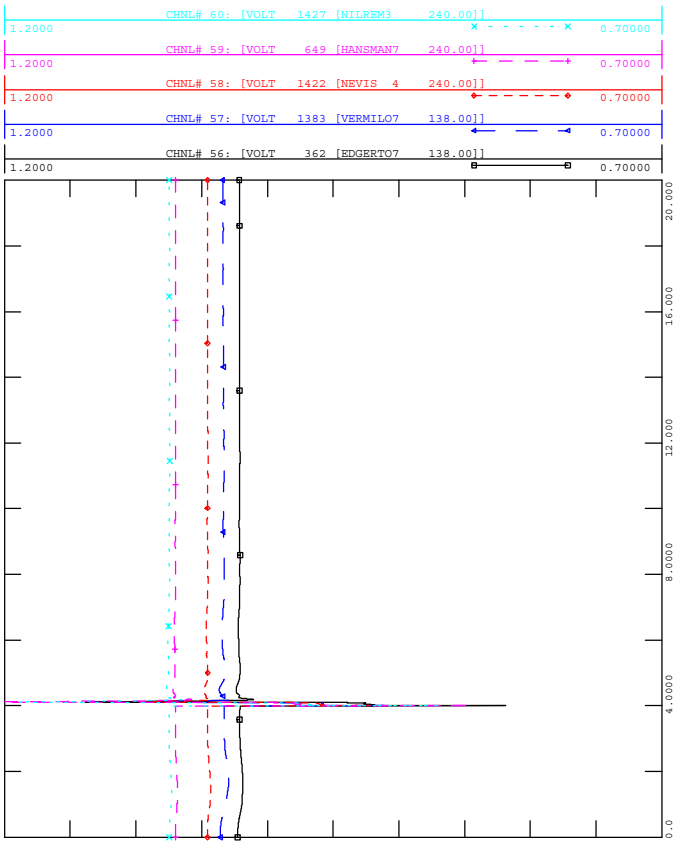
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out

MON, NOV 21 2016 12:53

BUS VOLTAGE

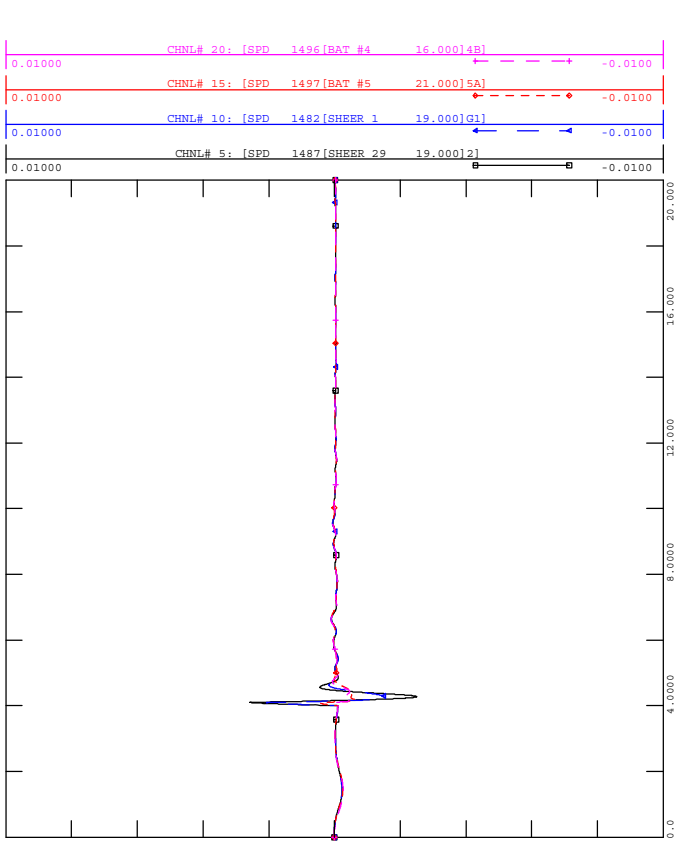


NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out

MON, NOV 21 2016 12:53

MACHINE SPEED

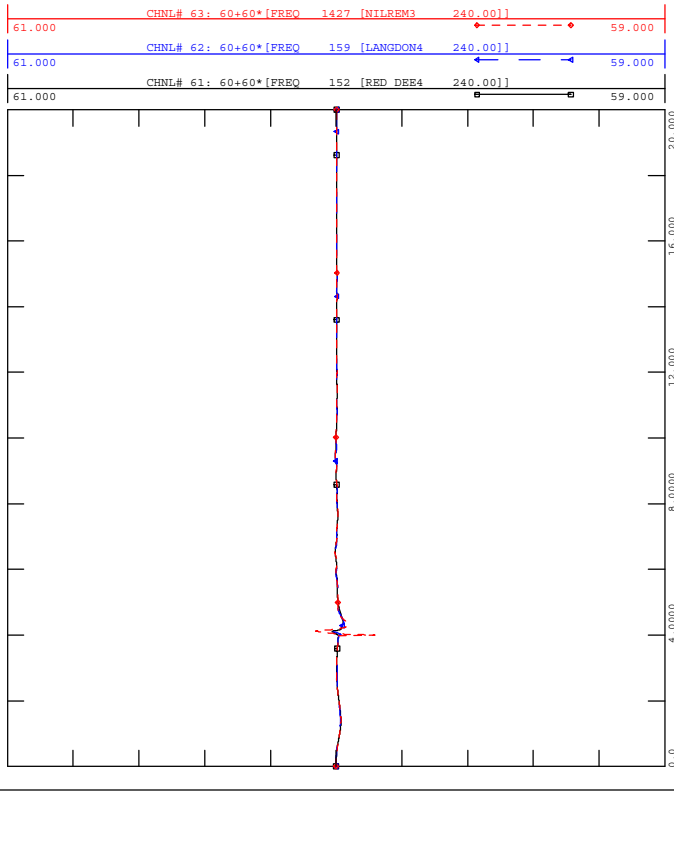


NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out

MON, NOV 21 2016 12:53

FREQUENCY

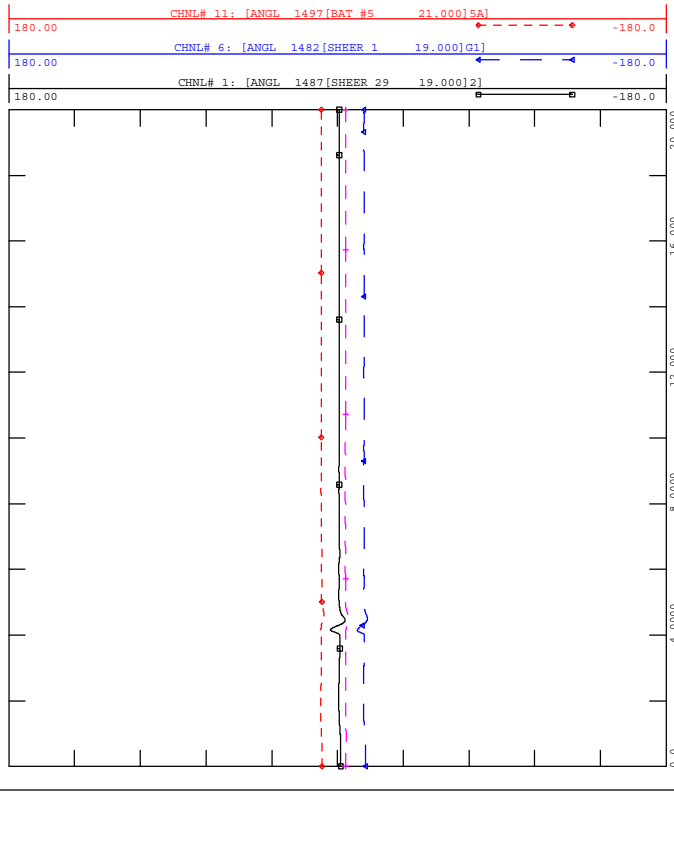


NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out

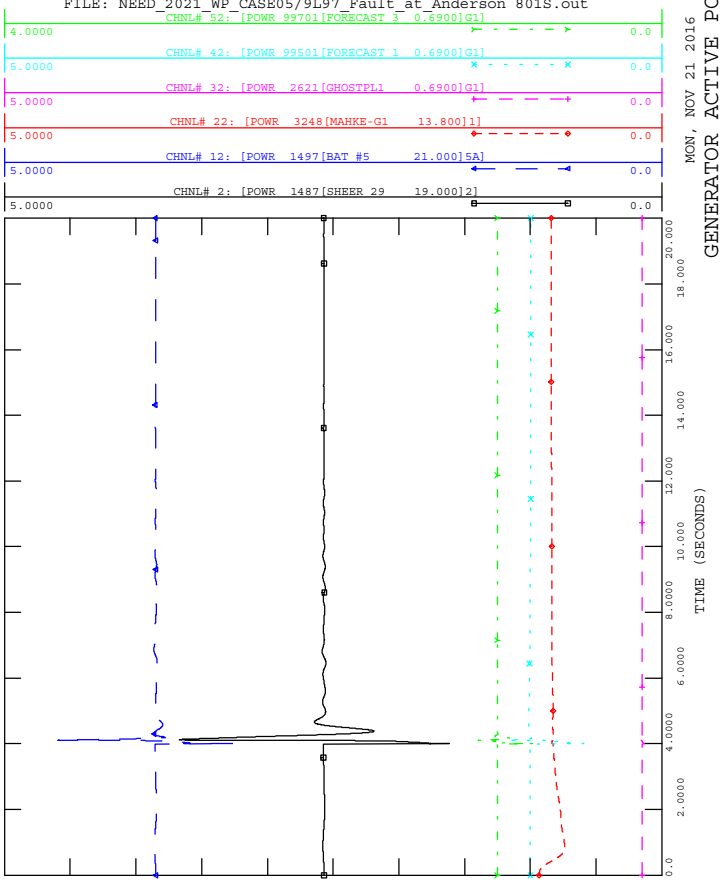
MON, NOV 21 2016 12:53

MACHINE ANGEL



NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out



NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

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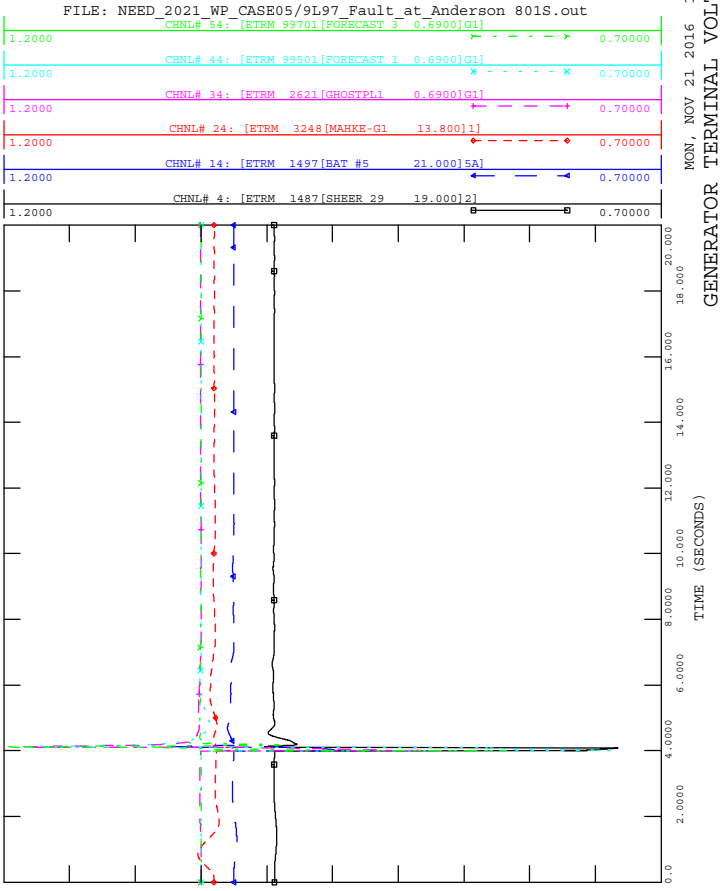
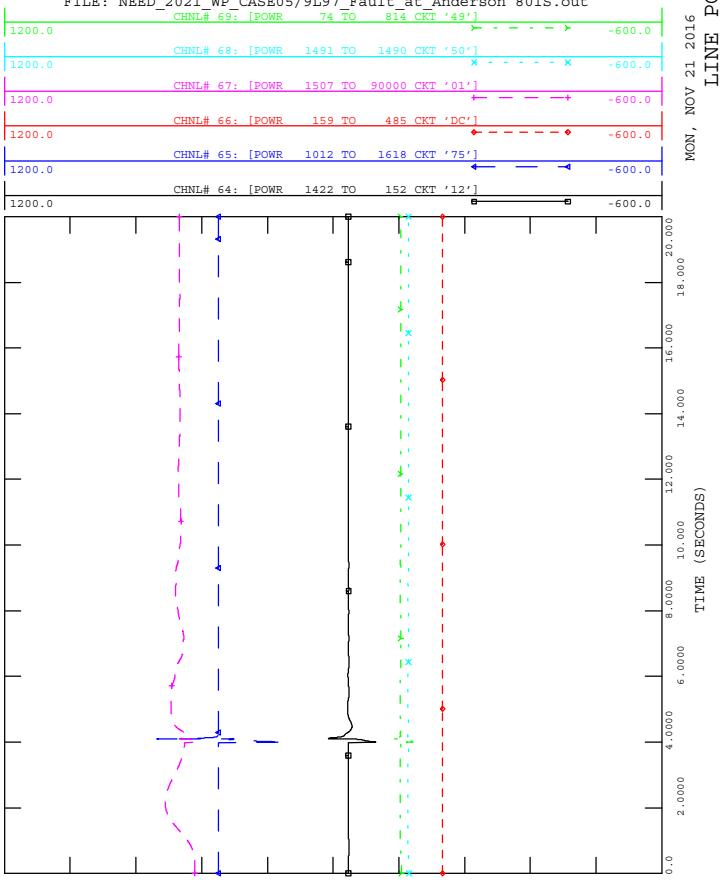


NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: NEED_2021_WP_CASE05/9L97_Fault_at_Anderson 801S.out



NEED_2021_WP_CASE05
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

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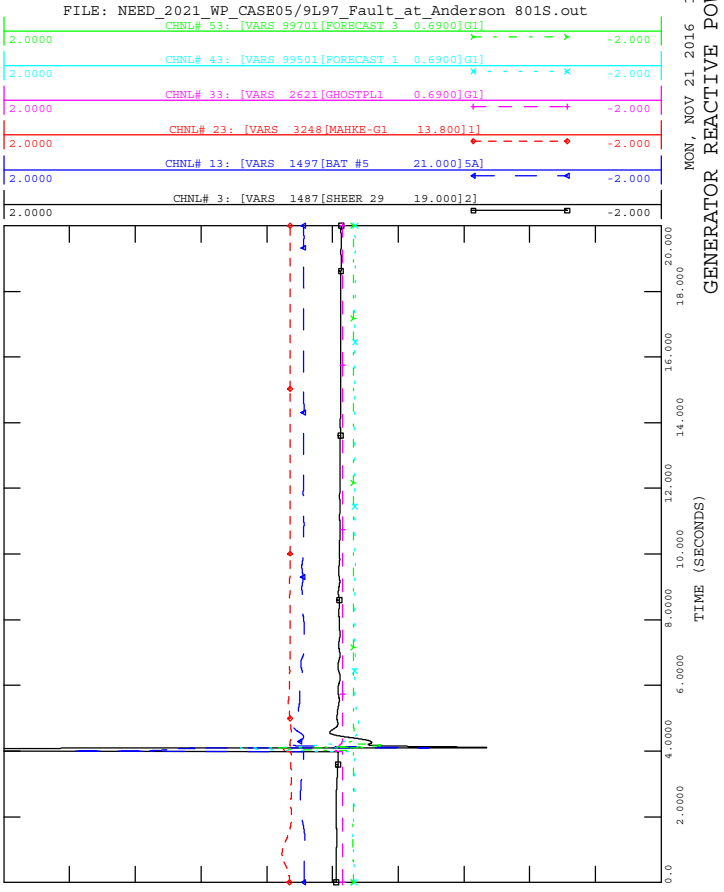
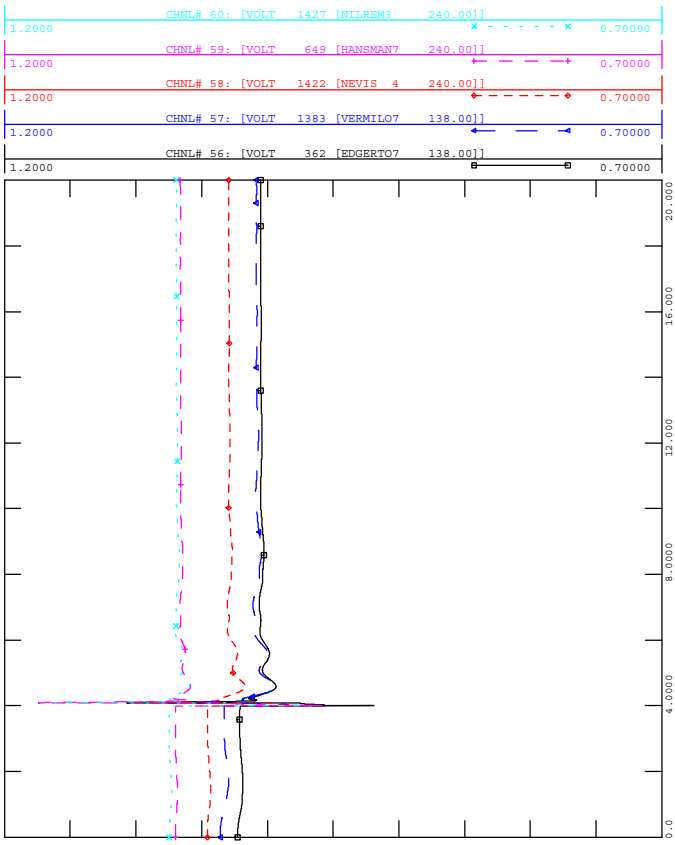


NEED_2021_WP_CASE05
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out

THU, DEC 08 2016 21:56

BUS VOLTAGE

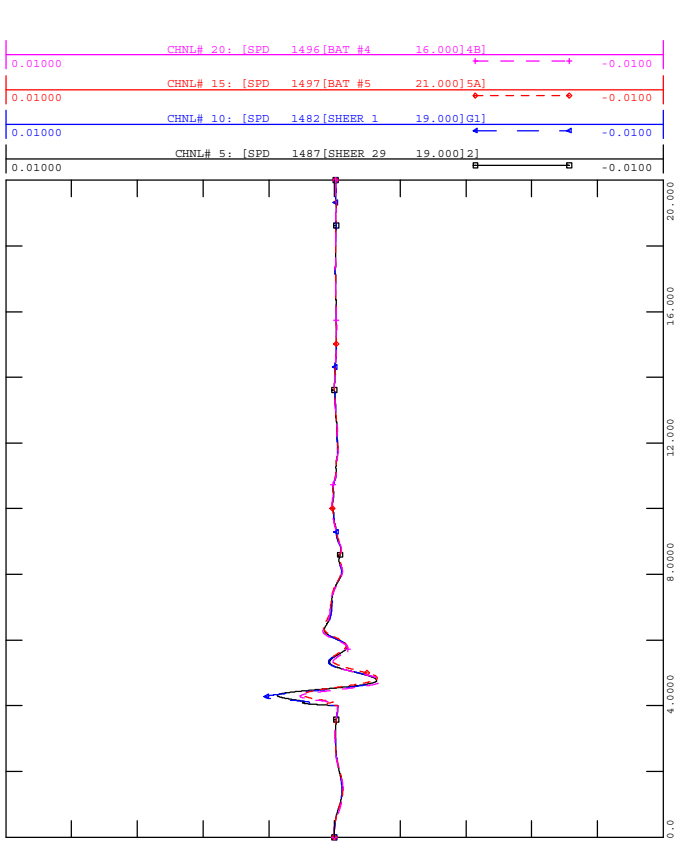


NEED_2021_WP_CASE05
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out

THU, DEC 08 2016 21:56

MACHINE SPEED

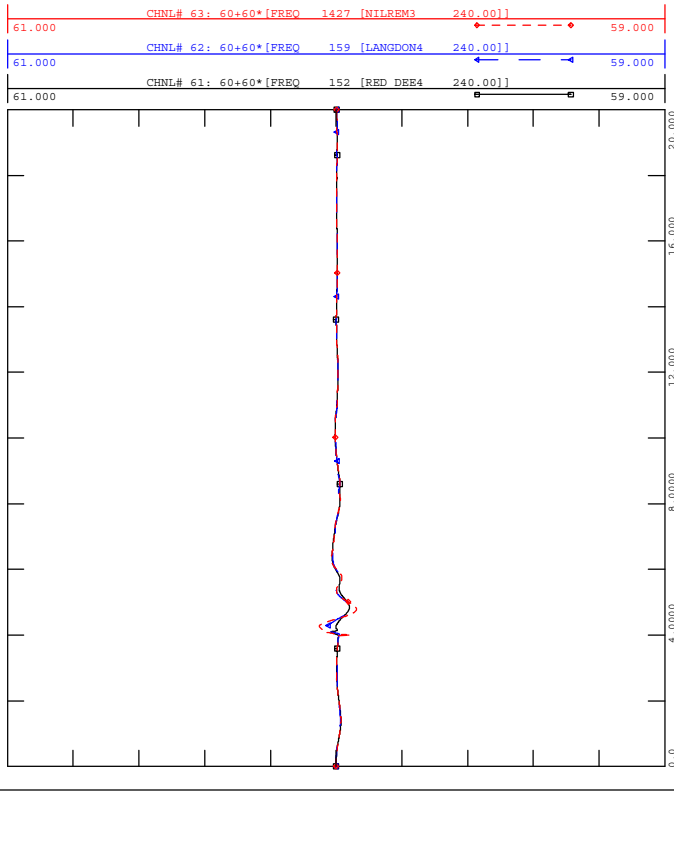


NEED_2021_WP_CASE05
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out

THU, DEC 08 2016 21:56

FREQUENCY

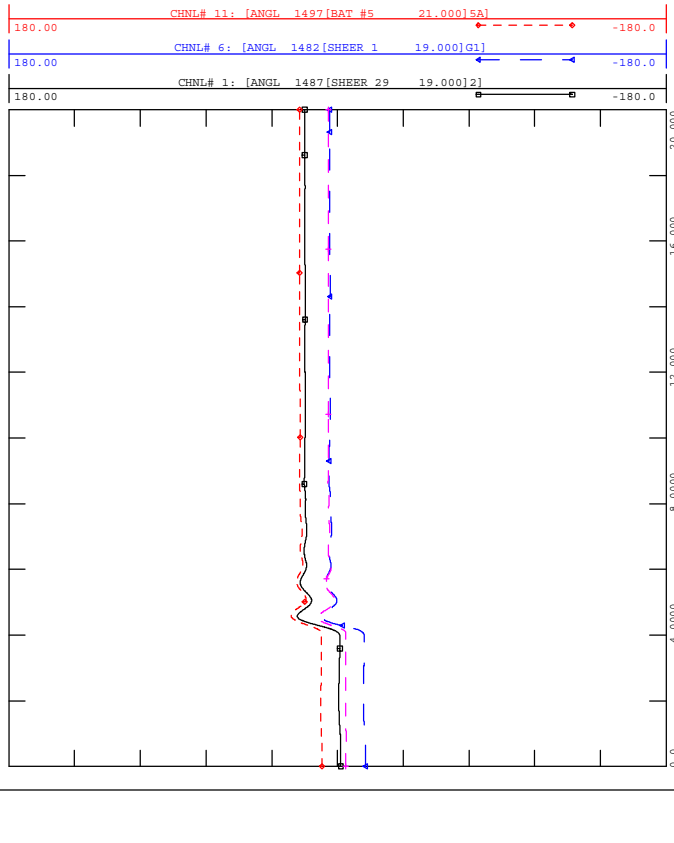


NEED_2021_WP_CASE05
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out

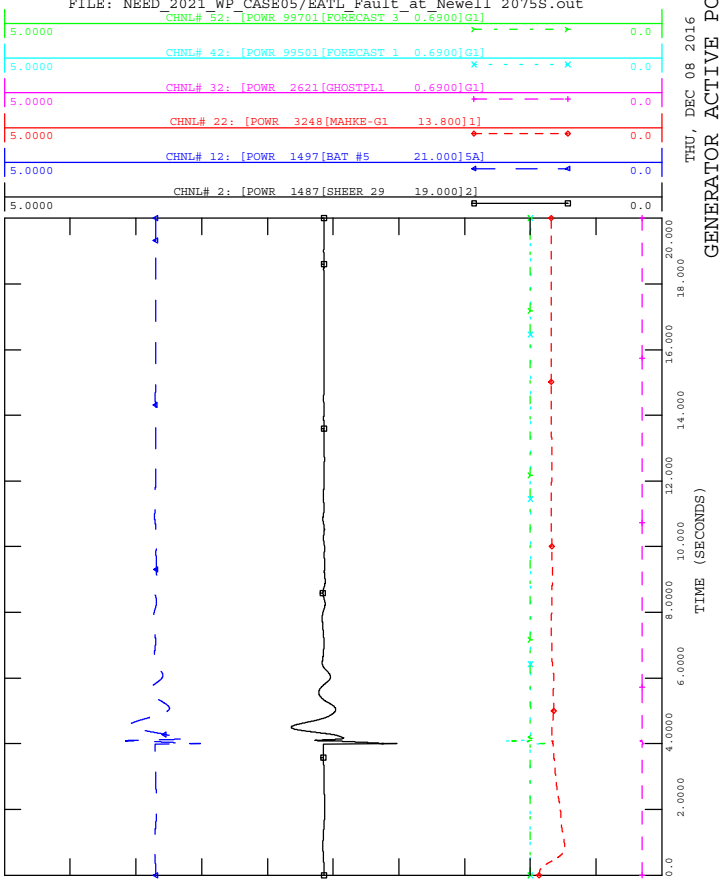
THU, DEC 08 2016 21:56

MACHINE ANGLE



NEED_2021_WP_CASE05
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

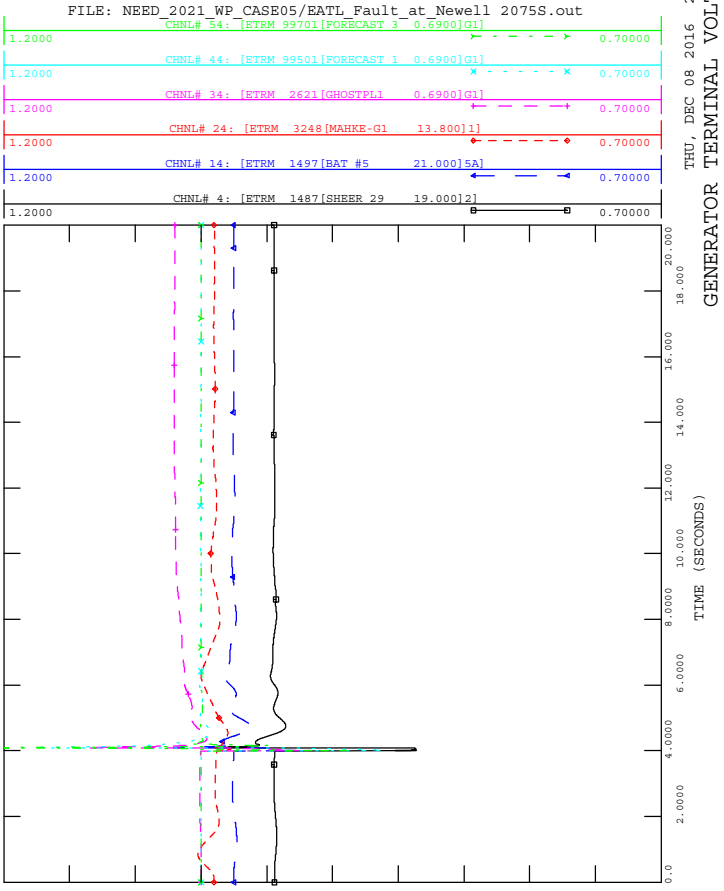
FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out



THU, DEC 08 2016 21:56
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

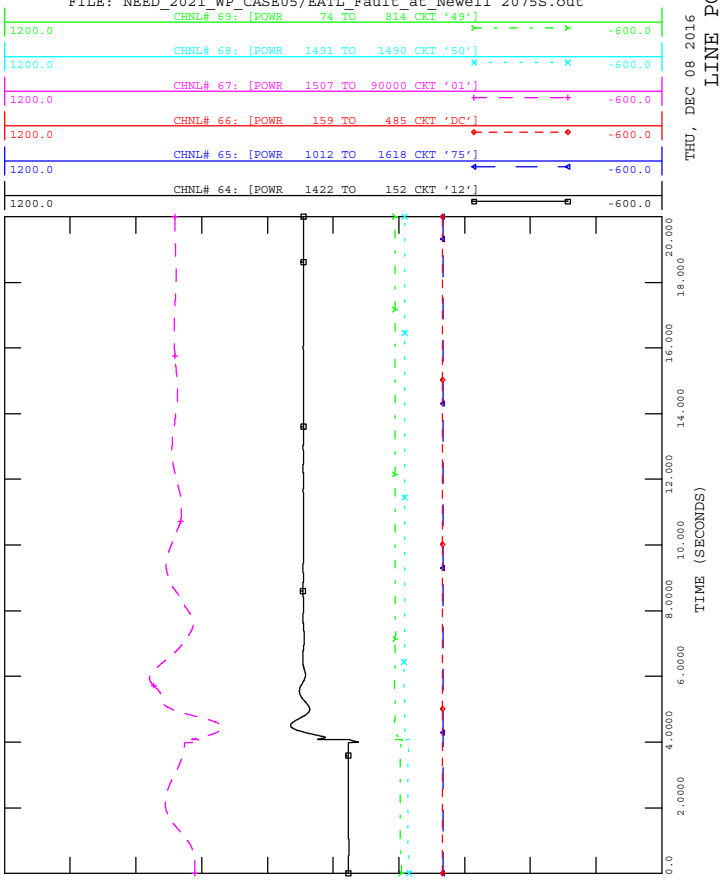
FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out



THU, DEC 08 2016 21:56
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

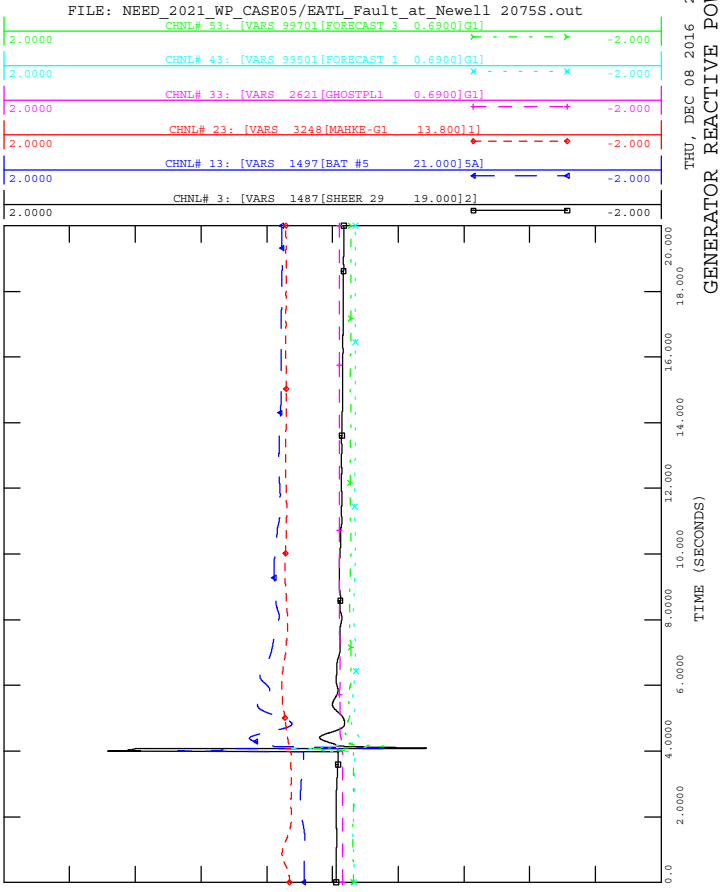
FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out



THU, DEC 08 2016 21:56
LINE POWER

NEED_2021_WP_CASE05
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: NEED_2021_WP_CASE05/EATL_Fault_at_Newell 2075S.out



THU, DEC 08 2016 21:56
GENERATOR REACTIVE POWER

Transient Stability Analysis Plots

Existing System Prior to PENV Development

2021 Summer Light

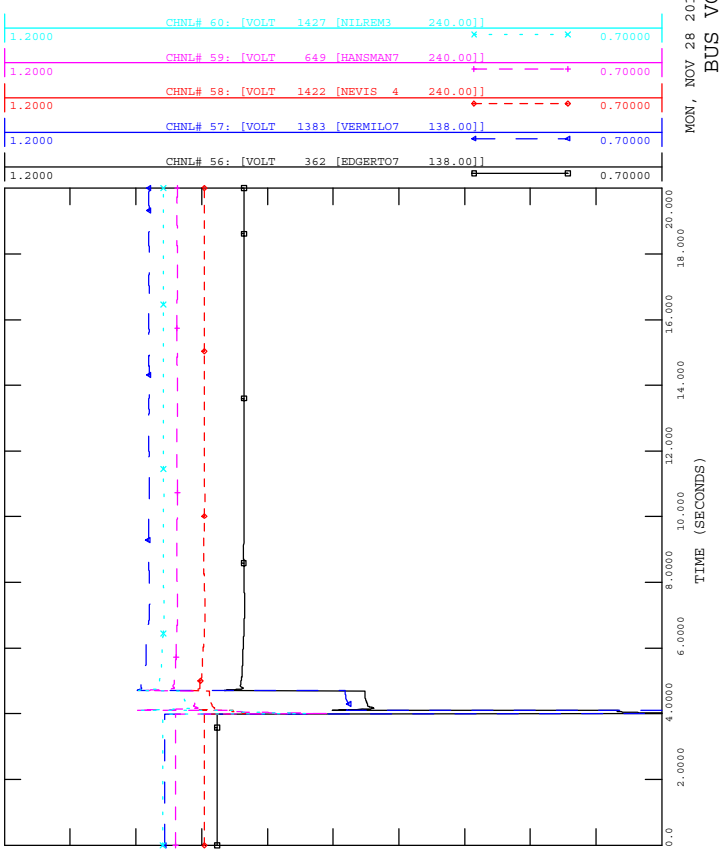
Category C5 (Line-to-line-to-ground Fault)

NEED_2021_SL_CASE03
C5-LLG -7L14+7L130

FILE: NEED_2021_SL_CASE03/7L14+7L130.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

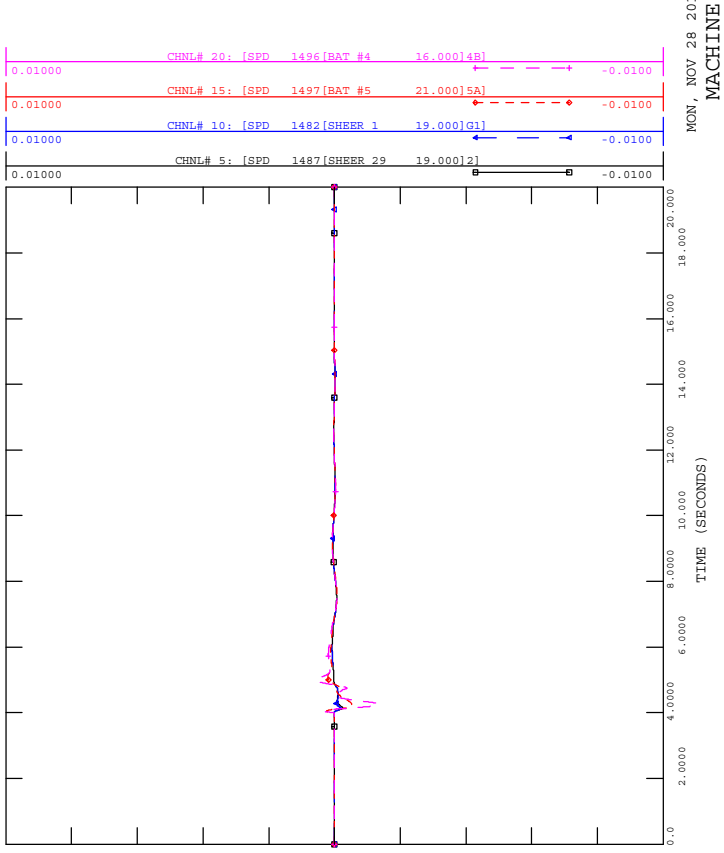


NEED_2021_SL_CASE03
C5-LLG -7L14+7L130

FILE: NEED_2021_SL_CASE03/7L14+7L130.out

MON, NOV 28 2016 22:38

MACHINE SPEED

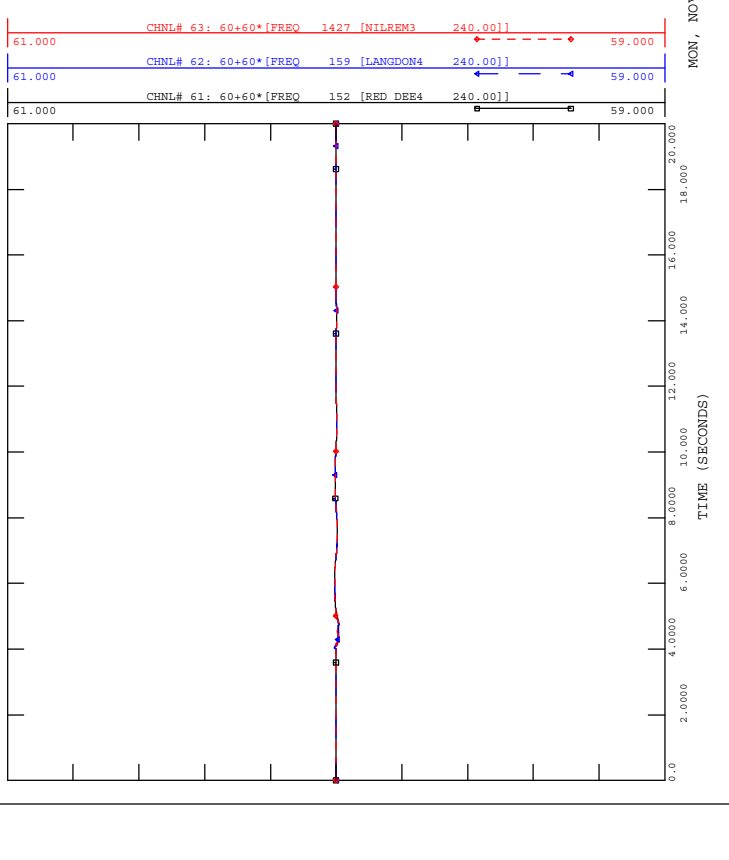


NEED_2021_SL_CASE03
C5-LLG -7L14+7L130

FILE: NEED_2021_SL_CASE03/7L14+7L130.out

MON, NOV 28 2016 22:38

FREQUENCY

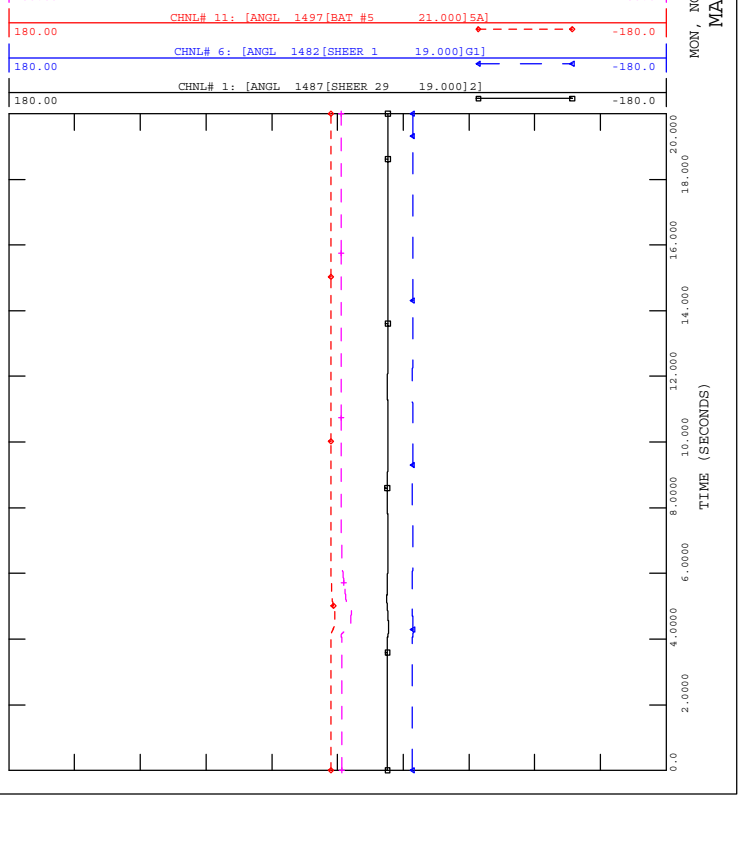


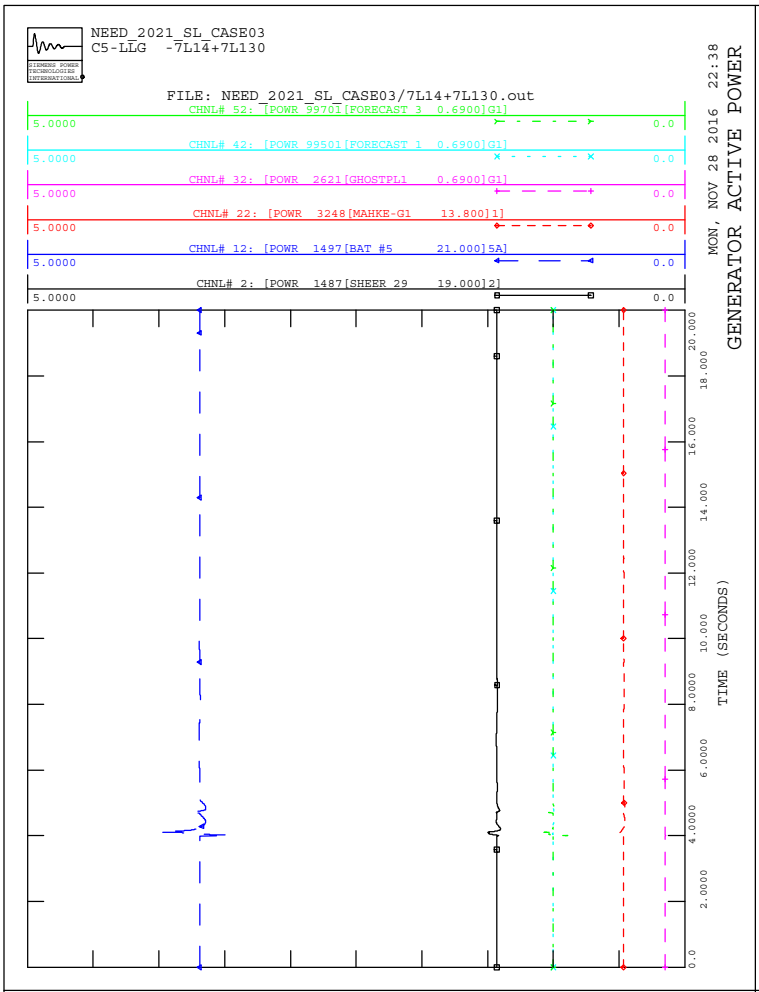
NEED_2021_SL_CASE03
C5-LLG -7L14+7L130

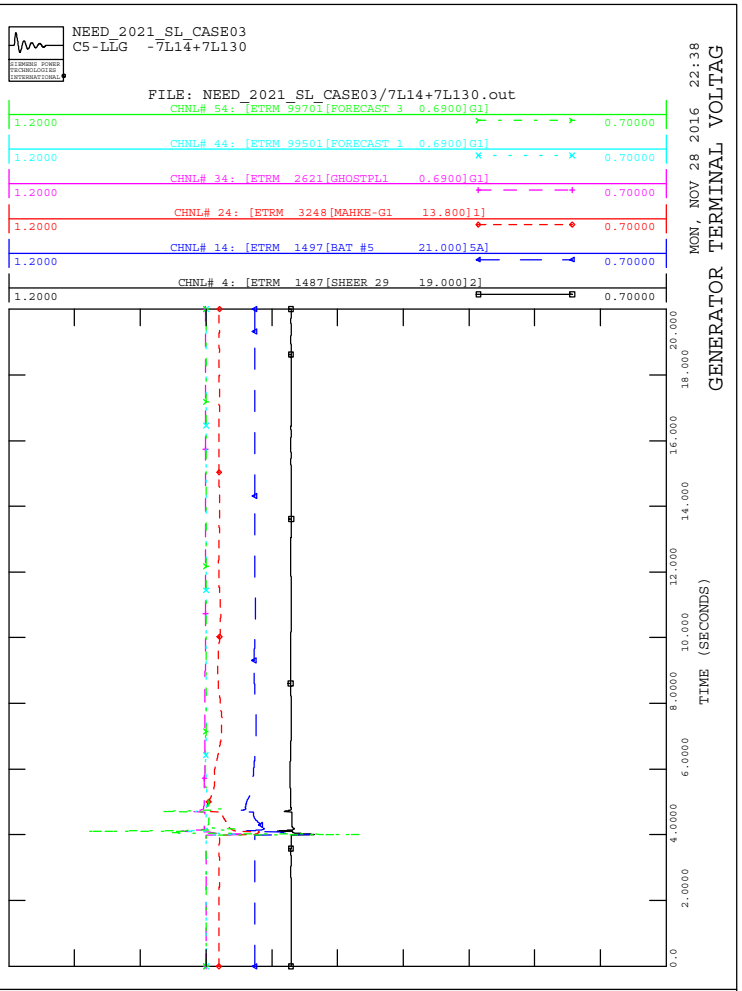
FILE: NEED_2021_SL_CASE03/7L14+7L130.out

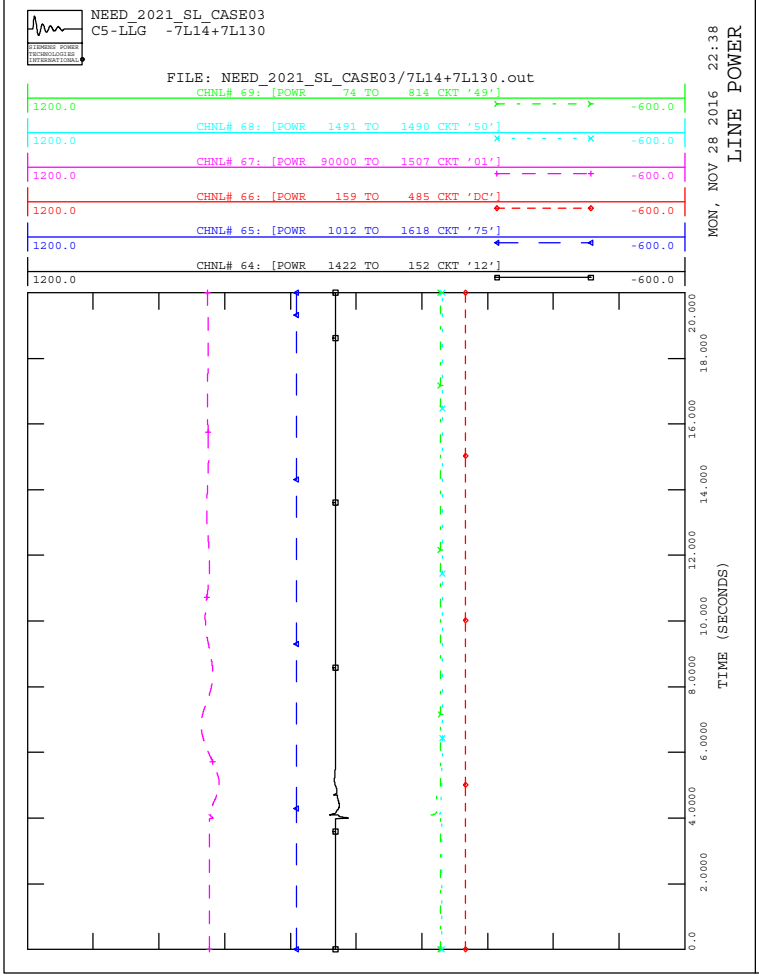
MON, NOV 28 2016 22:38

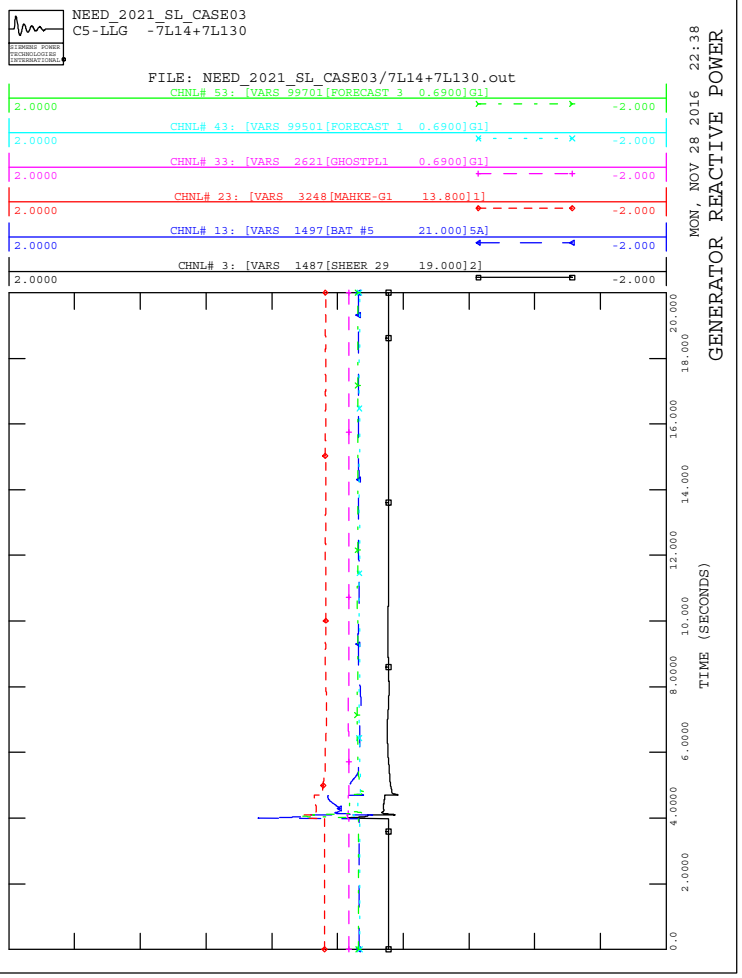
MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -7L14+7L130
FILE: NEED_2021_SL_CASE03/7L14+7L130.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0000
2.0000
4.0000
6.0000
8.000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -7L14+7L130
FILE: NEED_2021_SL_CASE03/7L14+7L130.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0000
2.0000
4.0000
6.0000
8.000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -7L14+7L130
FILE: NEED_2021_SL_CASE03/7L14+7L130.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
0.0000
2.0000
4.0000
6.0000
8.000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -7L14+7L130
FILE: NEED_2021_SL_CASE03/7L14+7L130.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
0.0000
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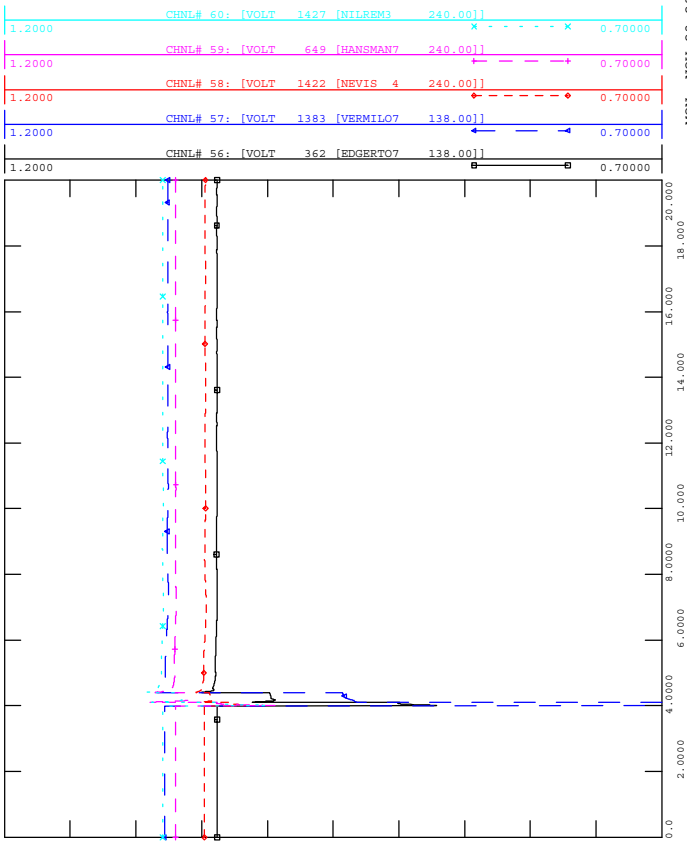
4.0000
6.0000
8.000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -7L117+7L53

FILE: NEED_2021_SL_CASE03/7L117+7L53.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

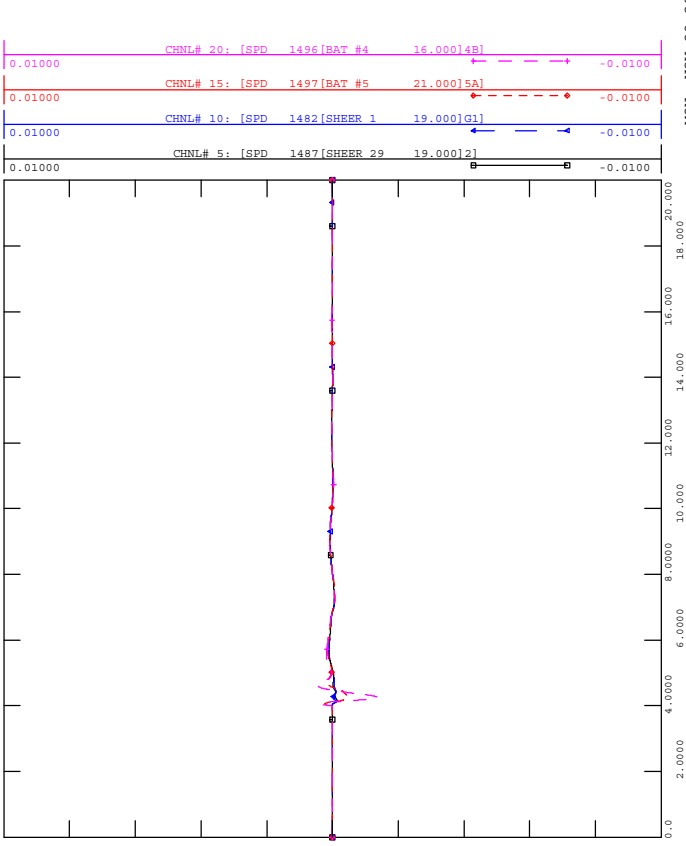


NEED_2021_SL_CASE03
C5-LLG -7L117+7L53

FILE: NEED_2021_SL_CASE03/7L117+7L53.out

MON, NOV 28 2016 22:38

MACHINE SPEED

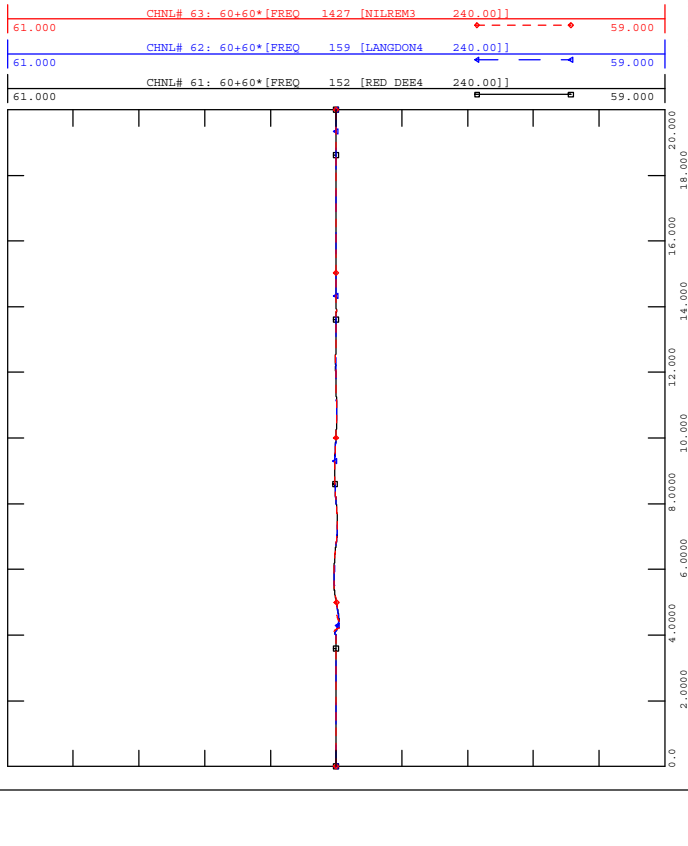


NEED_2021_SL_CASE03
C5-LLG -7L117+7L53

FILE: NEED_2021_SL_CASE03/7L117+7L53.out

MON, NOV 28 2016 22:38

FREQUENCY

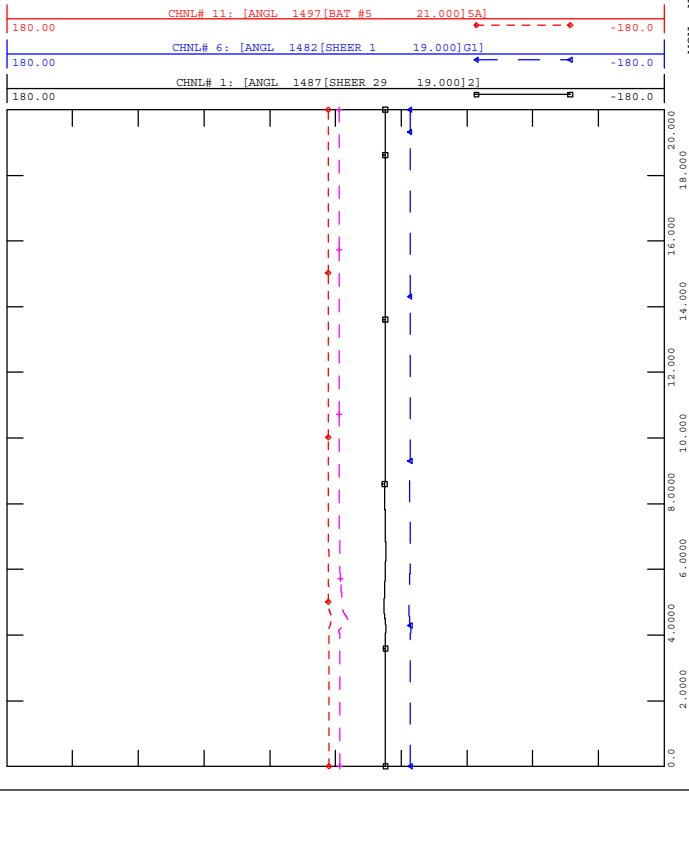


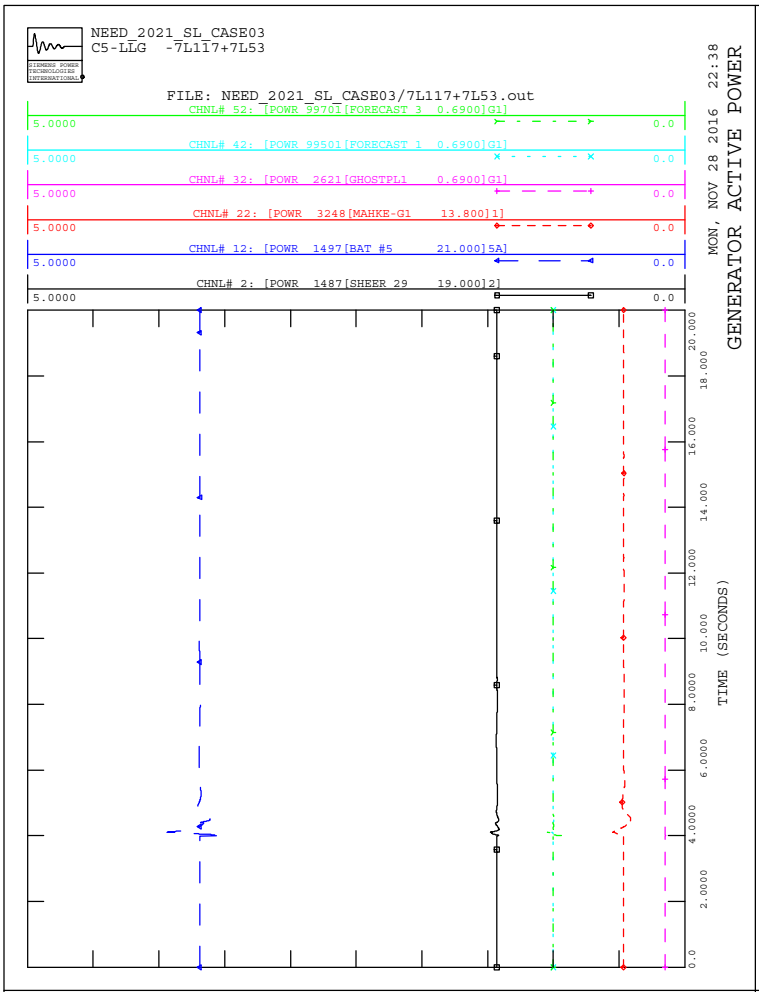
NEED_2021_SL_CASE03
C5-LLG -7L117+7L53

FILE: NEED_2021_SL_CASE03/7L117+7L53.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -7L117+7L53
FILE: NEED_2021_SL_CASE03/7L117+7L53.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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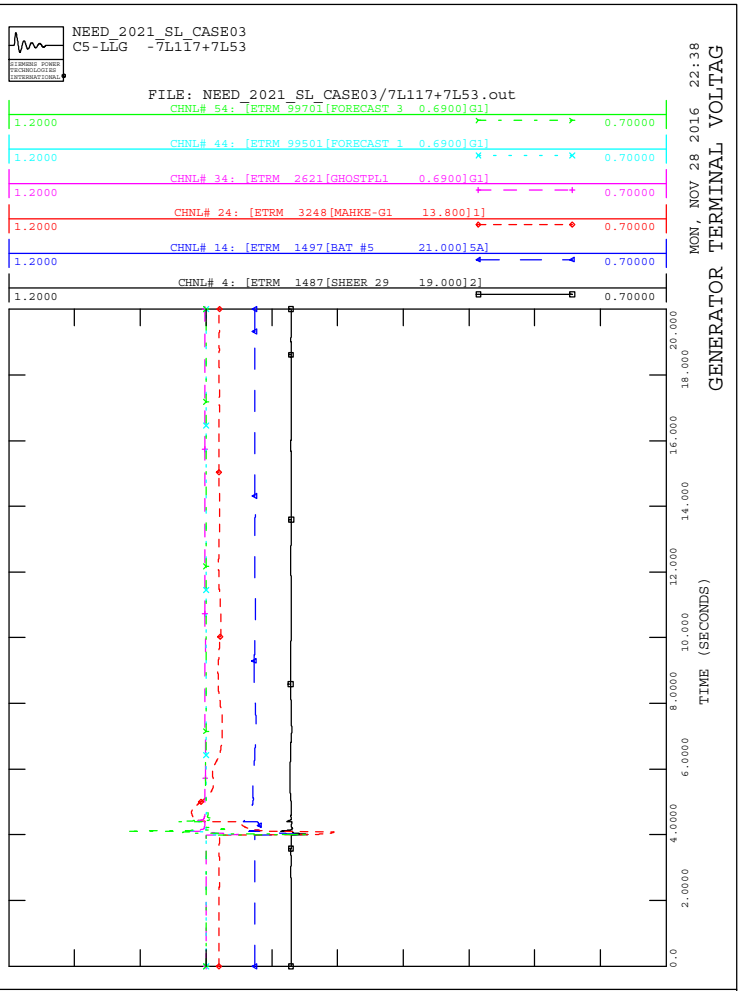
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -7L117+7L53
FILE: NEED_2021_SL_CASE03/7L117+7L53.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
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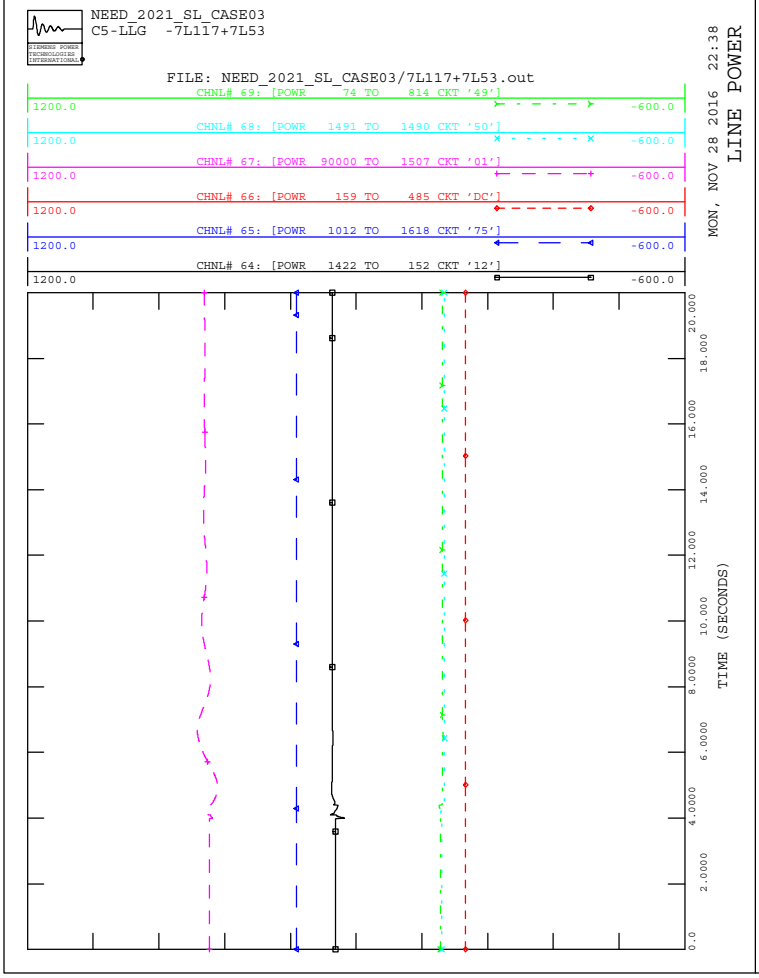
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -7L117+7L53
FILE: NEED_2021_SL_CASE03/7L117+7L53.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
-600.0
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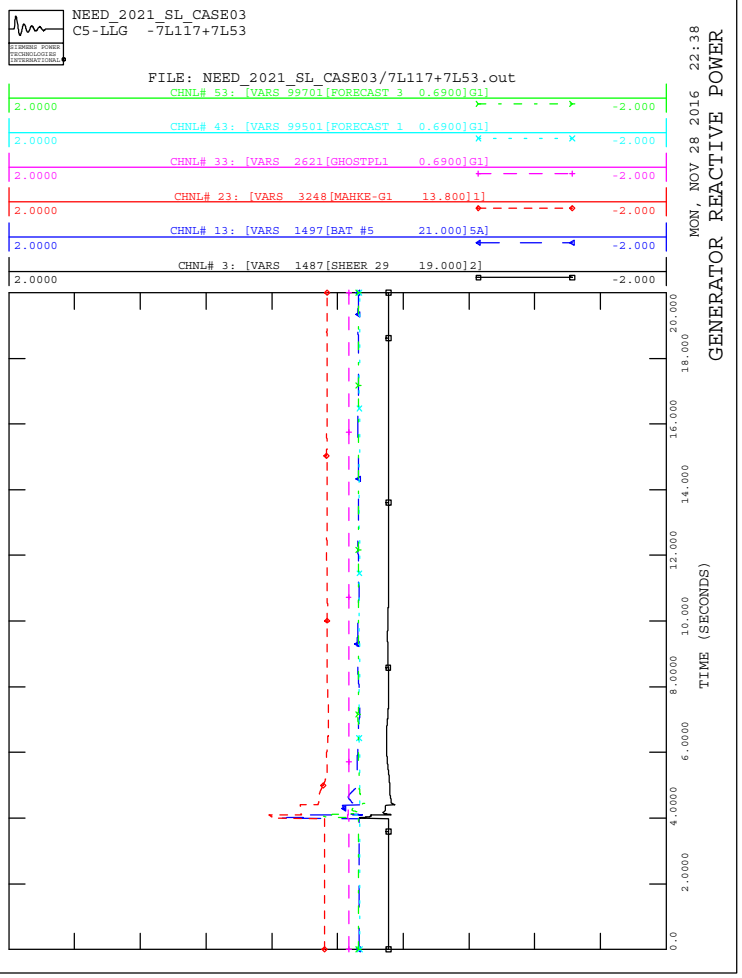
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -7L117+7L53
FILE: NEED_2021_SL_CASE03/7L117+7L53.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
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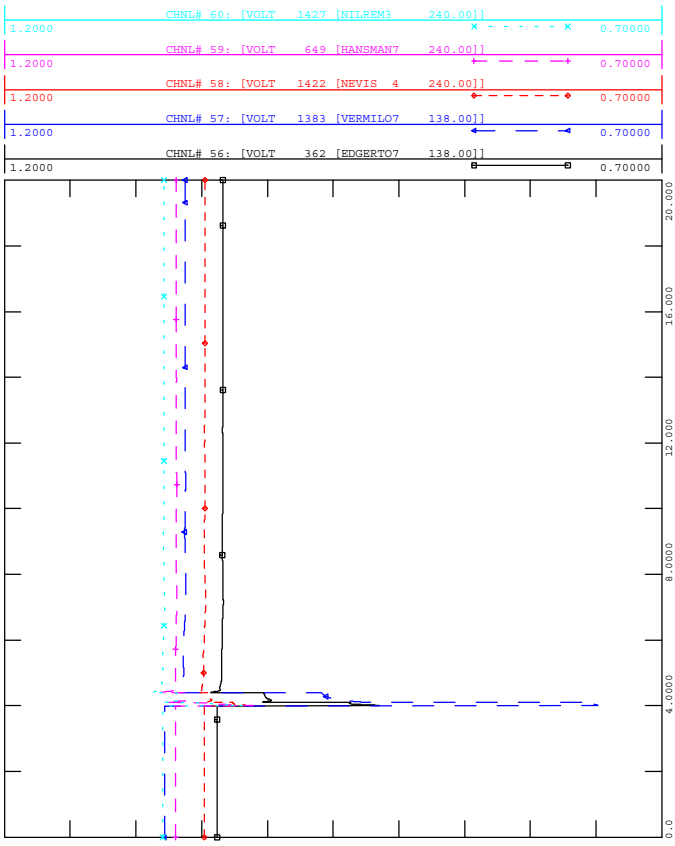
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -7L53+7L70

FILE: NEED_2021_SL_CASE03/7L53+7L70.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

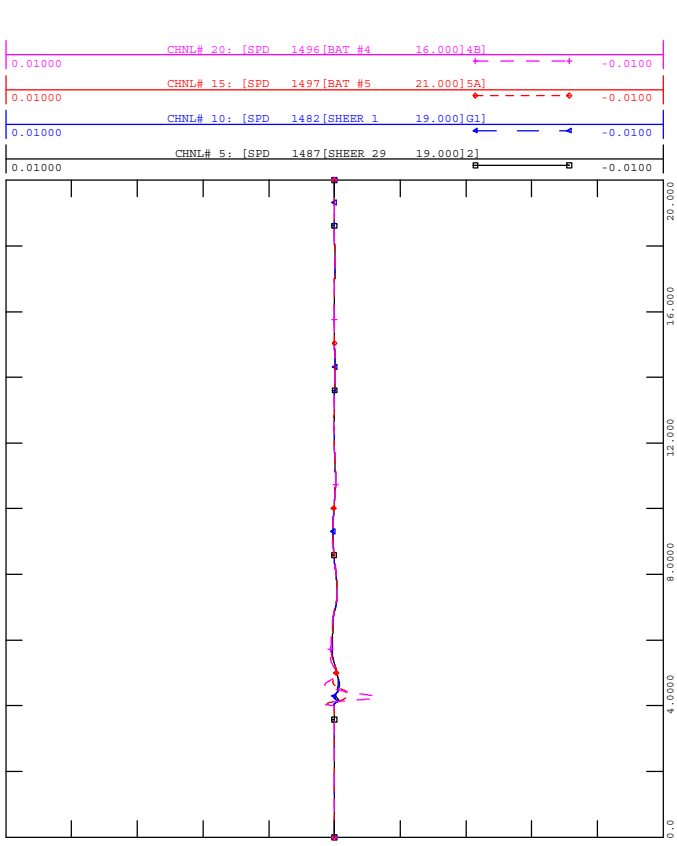


NEED_2021_SL_CASE03
C5-LLG -7L53+7L70

FILE: NEED_2021_SL_CASE03/7L53+7L70.out

MON, NOV 28 2016 22:38

MACHINE SPEED

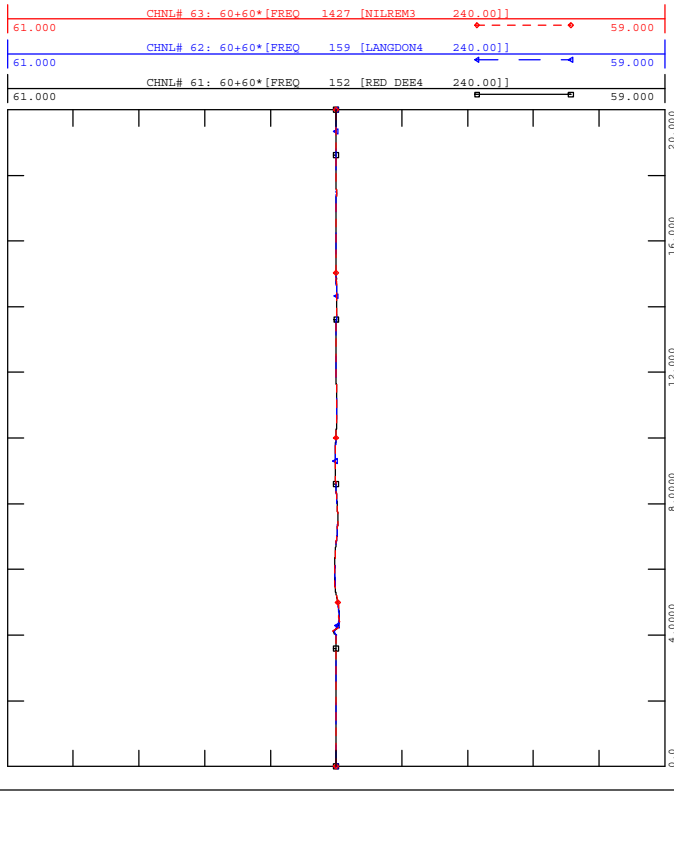


NEED_2021_SL_CASE03
C5-LLG -7L53+7L70

FILE: NEED_2021_SL_CASE03/7L53+7L70.out

MON, NOV 28 2016 22:38

FREQUENCY

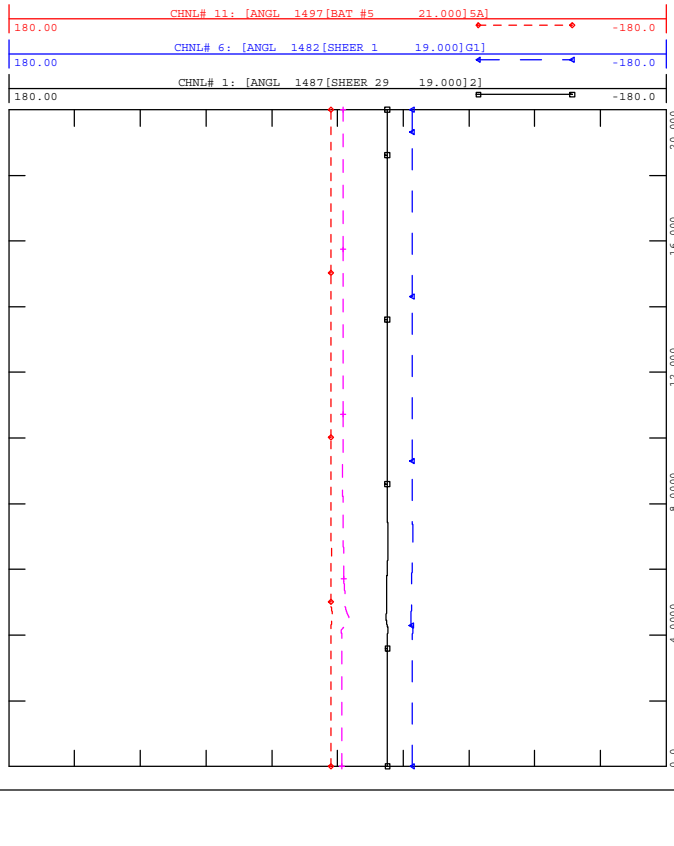


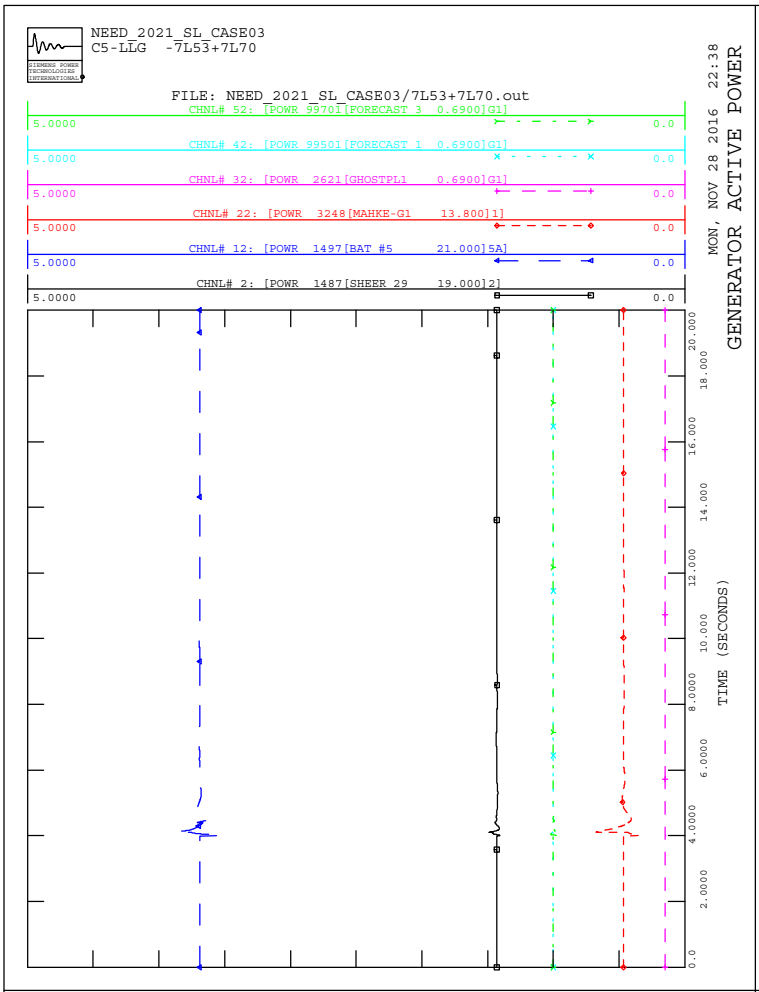
NEED_2021_SL_CASE03
C5-LLG -7L53+7L70

FILE: NEED_2021_SL_CASE03/7L53+7L70.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -7L53+7L70
FILE: NEED_2021_SL_CASE03/7L53+7L70.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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10.000
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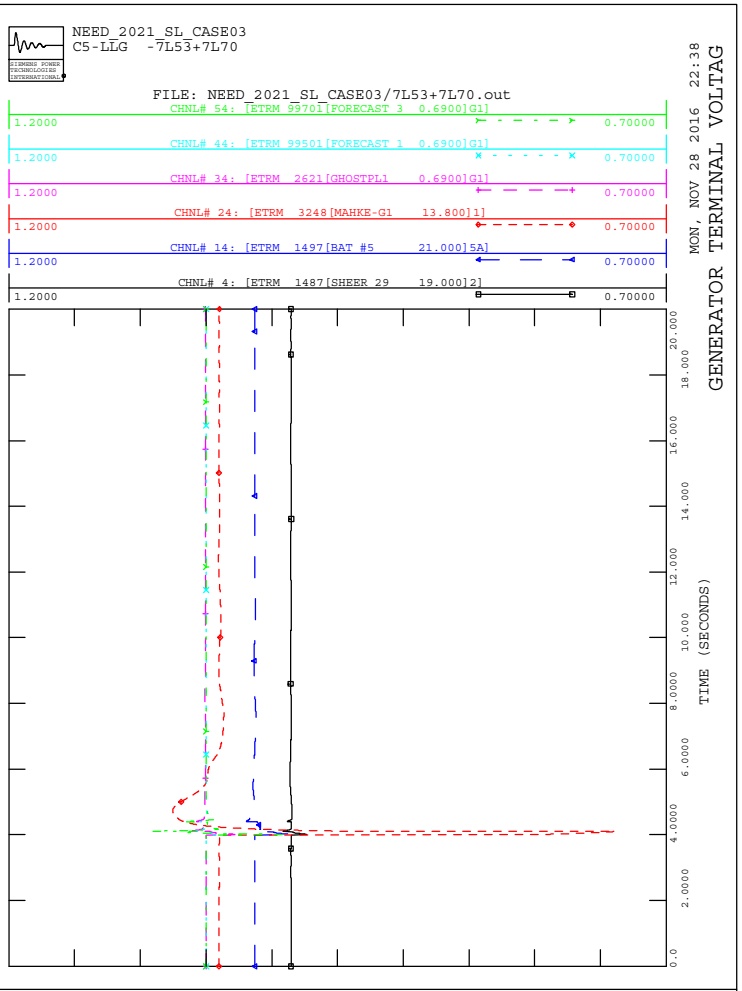
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -7L53+7L70
FILE: NEED_2021_SL_CASE03/7L53+7L70.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
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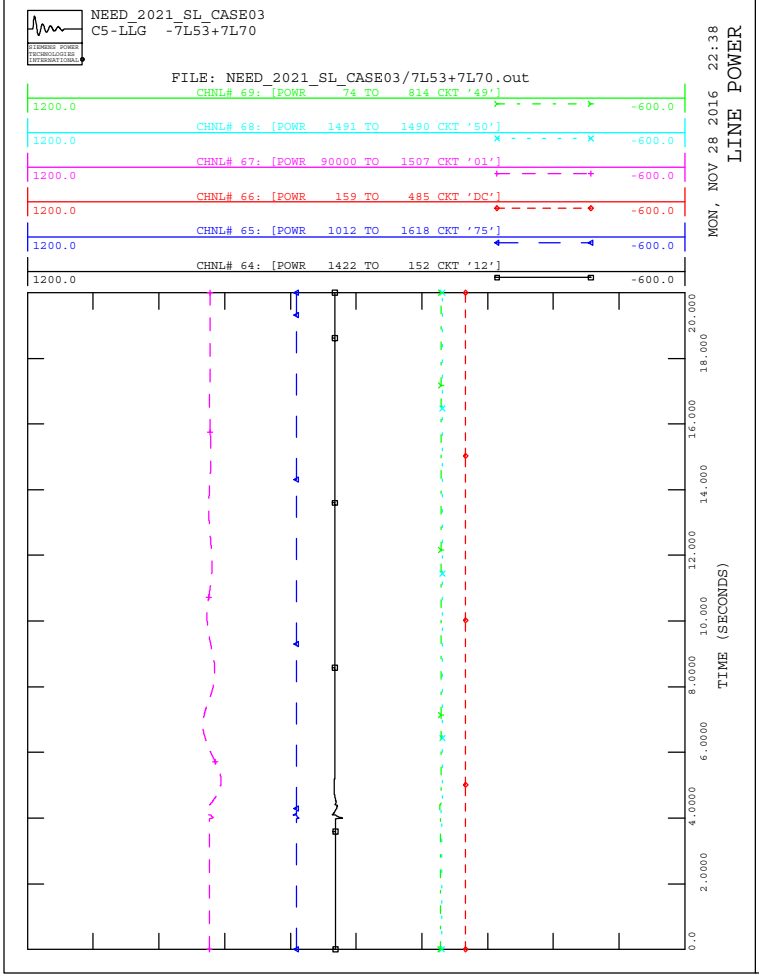
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -7L53+7L70
FILE: NEED_2021_SL_CASE03/7L53+7L70.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
0.0
2.0000
4.0000
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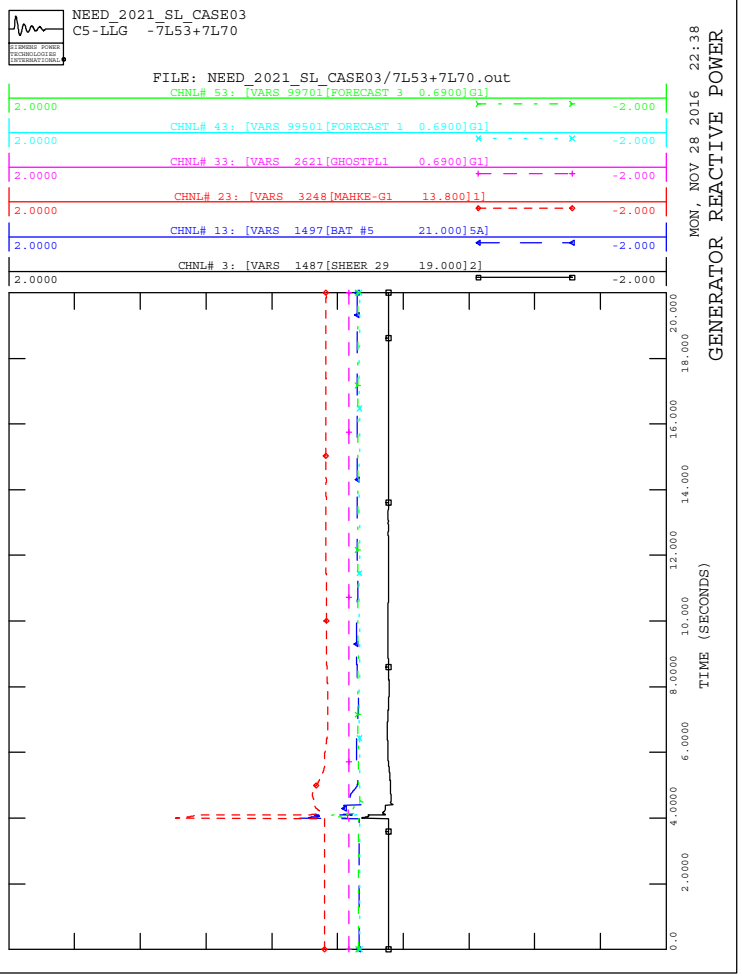
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -7L53+7L70
FILE: NEED_2021_SL_CASE03/7L53+7L70.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
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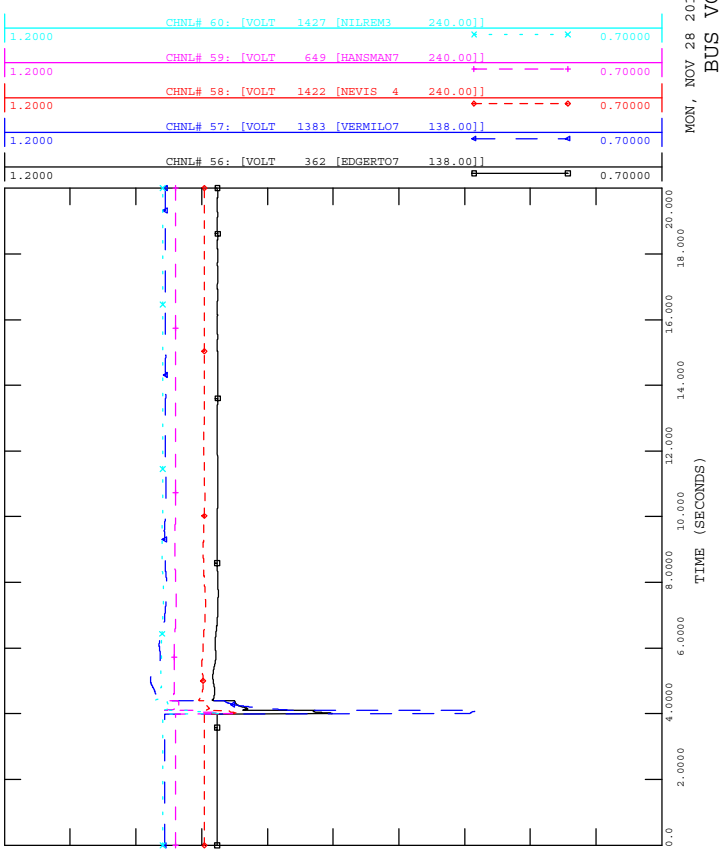
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -7L91+7L66

FILE: NEED_2021_SL_CASE03/7L91+7L66.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

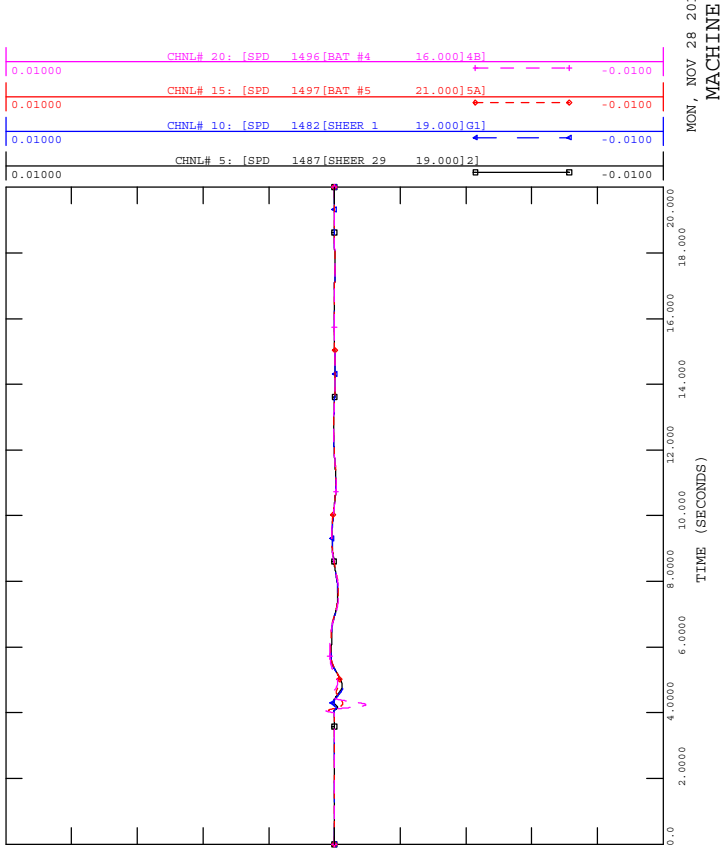


NEED_2021_SL_CASE03
C5-LLG -7L91+7L66

FILE: NEED_2021_SL_CASE03/7L91+7L66.out

MON, NOV 28 2016 22:38

MACHINE SPEED

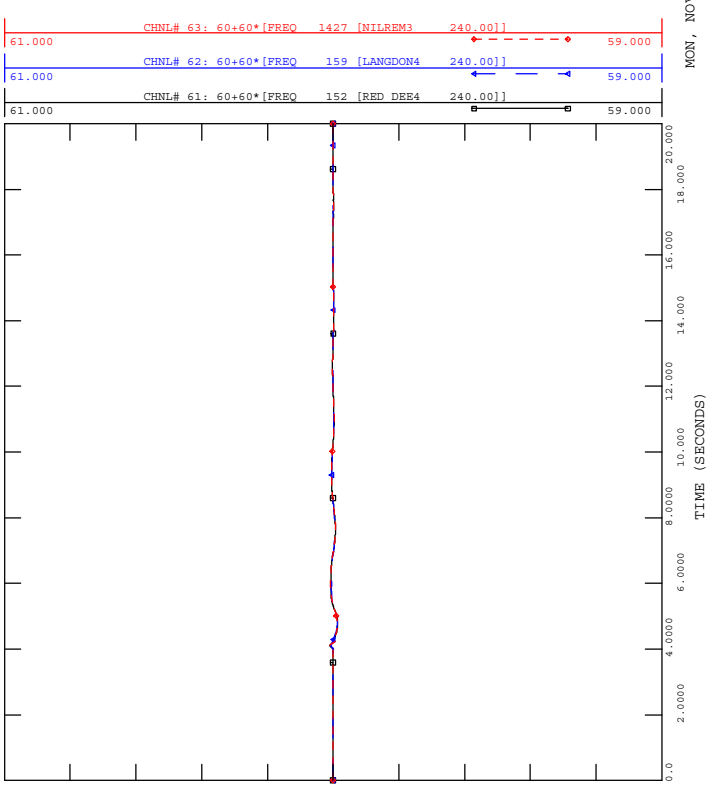


NEED_2021_SL_CASE03
C5-LLG -7L91+7L66

FILE: NEED_2021_SL_CASE03/7L91+7L66.out

MON, NOV 28 2016 22:38

FREQUENCY

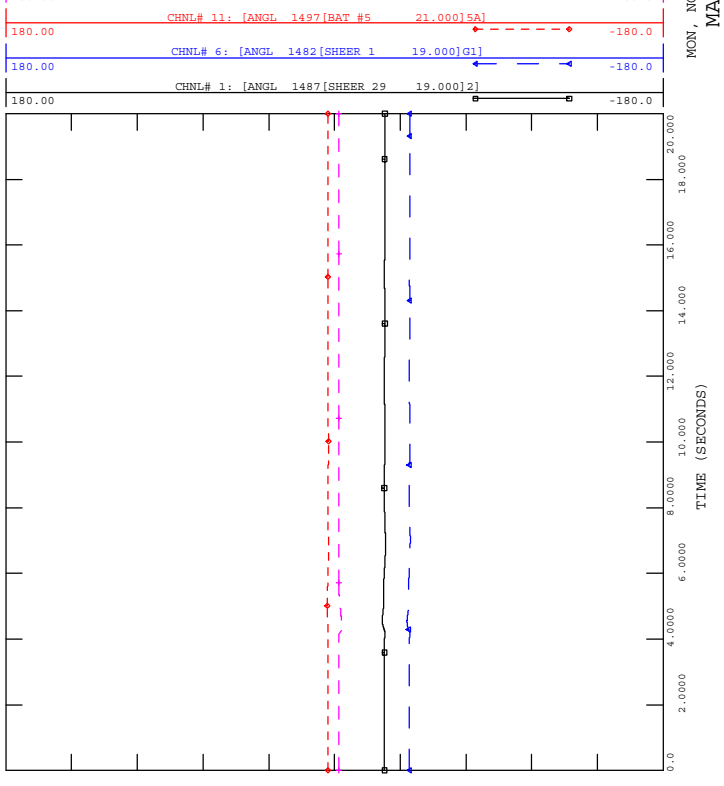


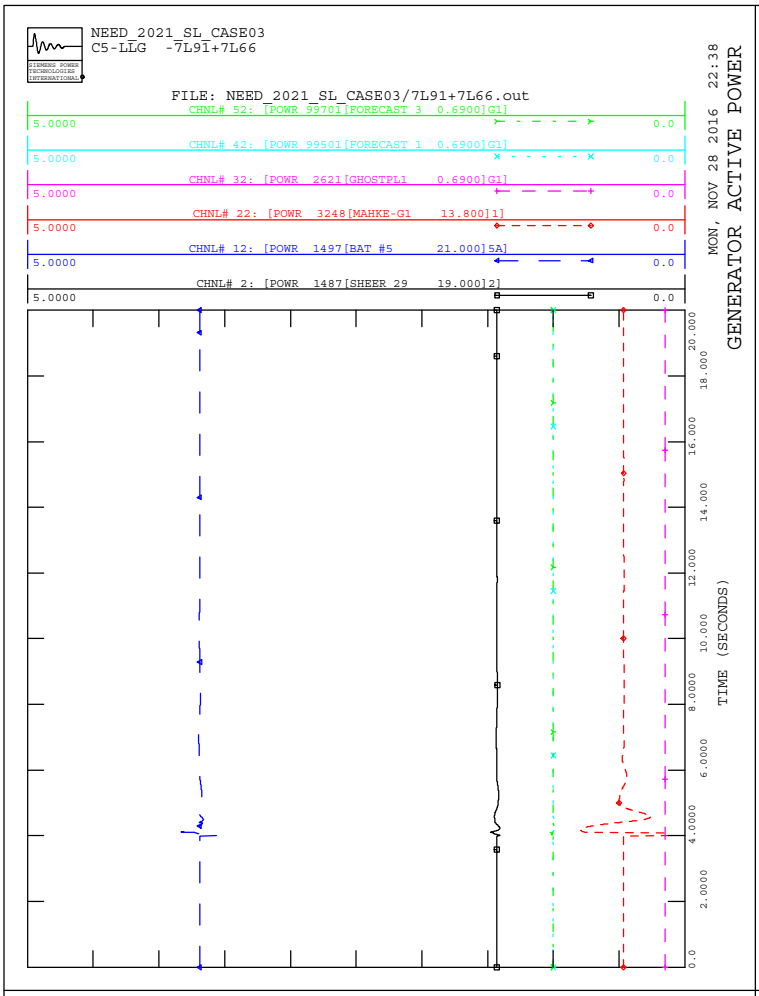
NEED_2021_SL_CASE03
C5-LLG -7L91+7L66

FILE: NEED_2021_SL_CASE03/7L91+7L66.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -7L91+7L66
FILE: NEED_2021_SL_CASE03/7L91+7L66.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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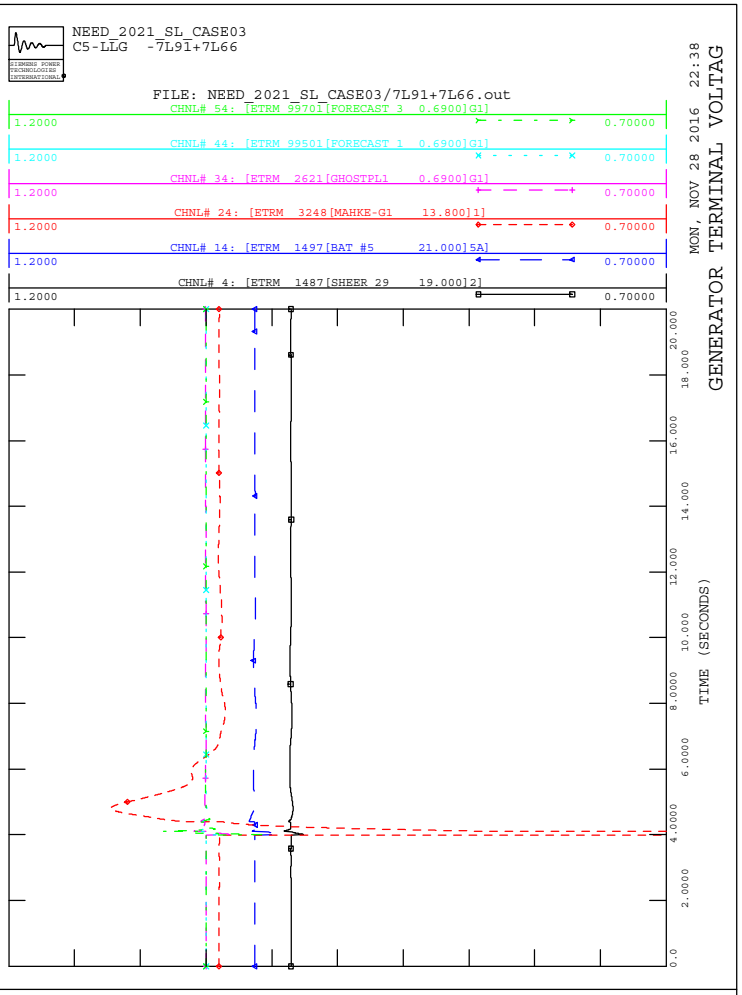
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -7L91+7L66
FILE: NEED_2021_SL_CASE03/7L91+7L66.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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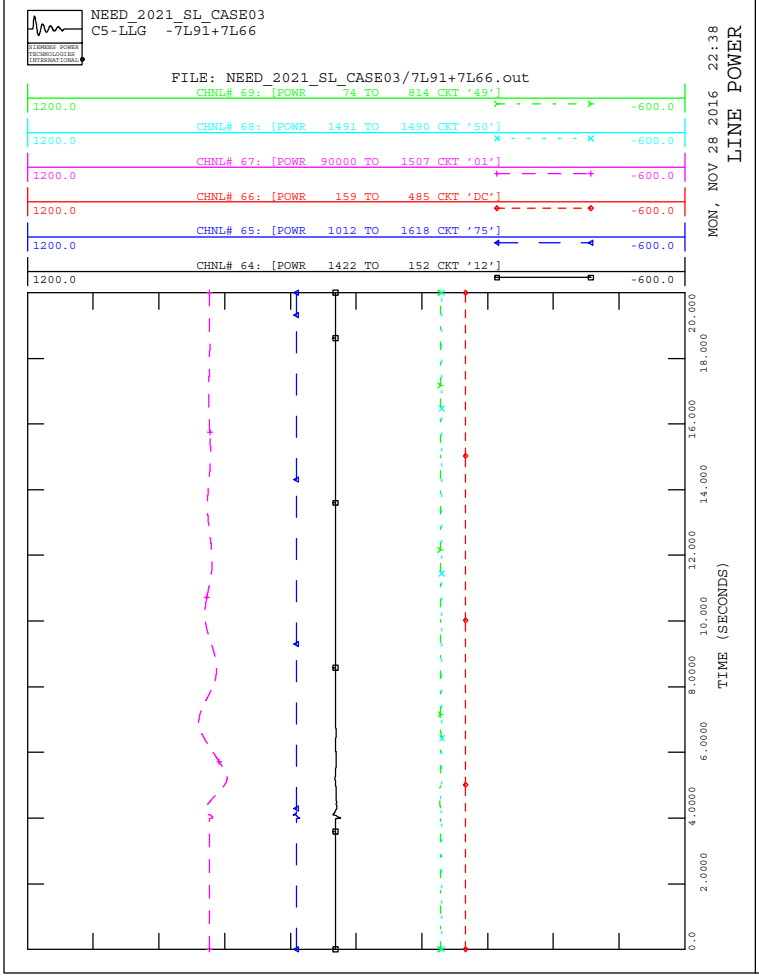
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -7L91+7L66
FILE: NEED_2021_SL_CASE03/7L91+7L66.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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-600.0
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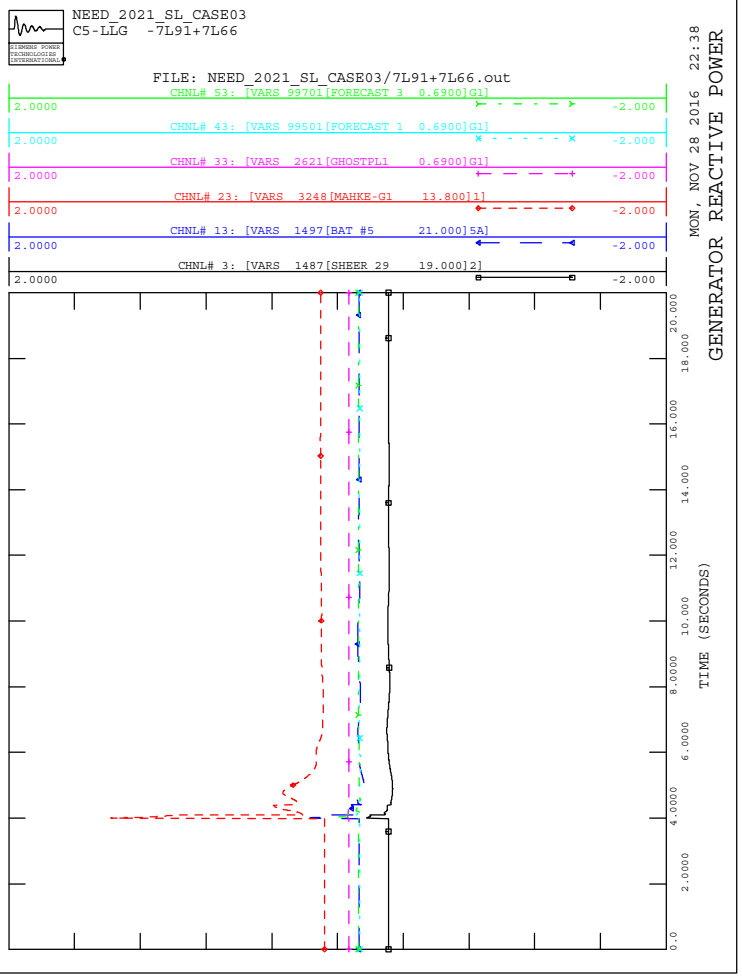
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -7L91+7L66
FILE: NEED_2021_SL_CASE03/7L91+7L66.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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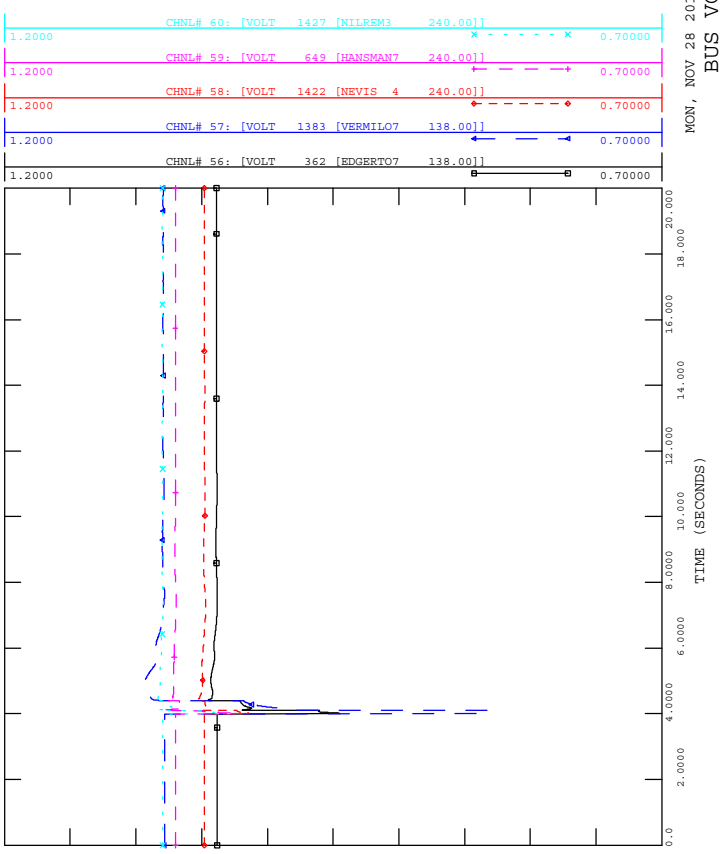
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -7L91+7L89

FILE: NEED_2021_SL_CASE03/7L91+7L89.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

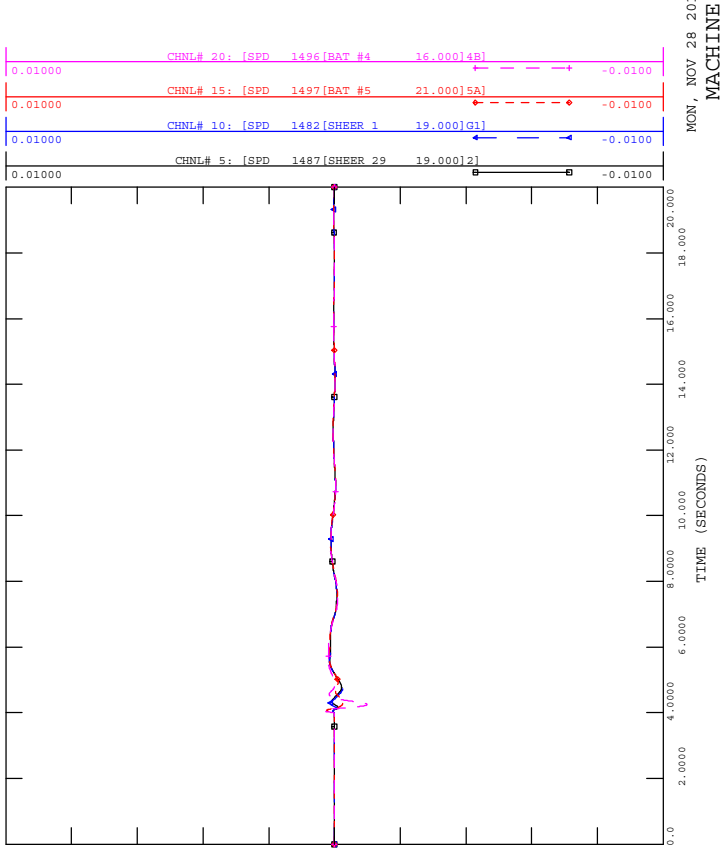


NEED_2021_SL_CASE03
C5-LLG -7L91+7L89

FILE: NEED_2021_SL_CASE03/7L91+7L89.out

MON, NOV 28 2016 22:38

MACHINE SPEED

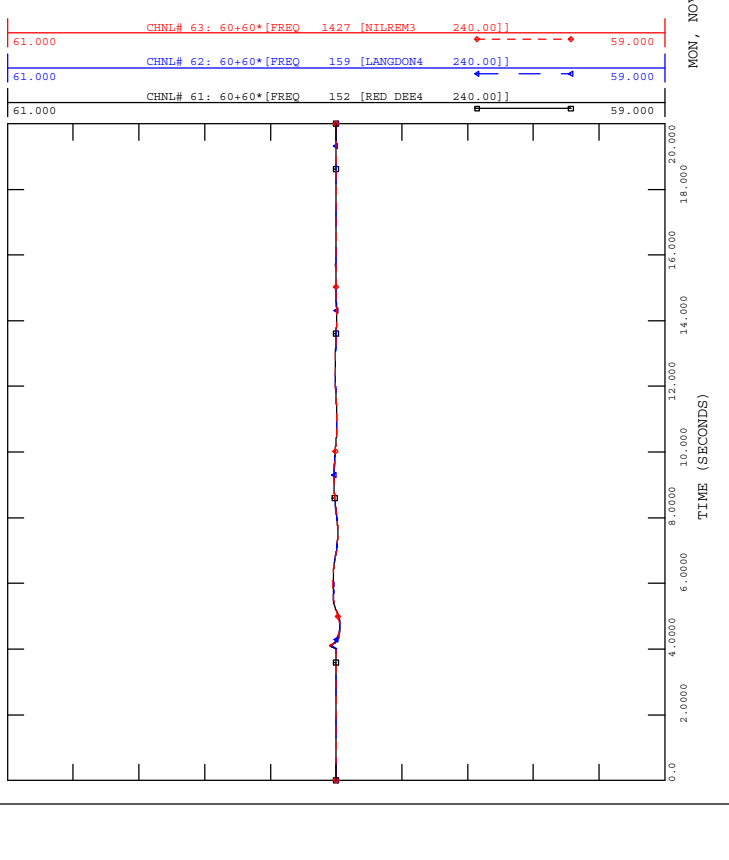


NEED_2021_SL_CASE03
C5-LLG -7L91+7L89

FILE: NEED_2021_SL_CASE03/7L91+7L89.out

MON, NOV 28 2016 22:38

FREQUENCY

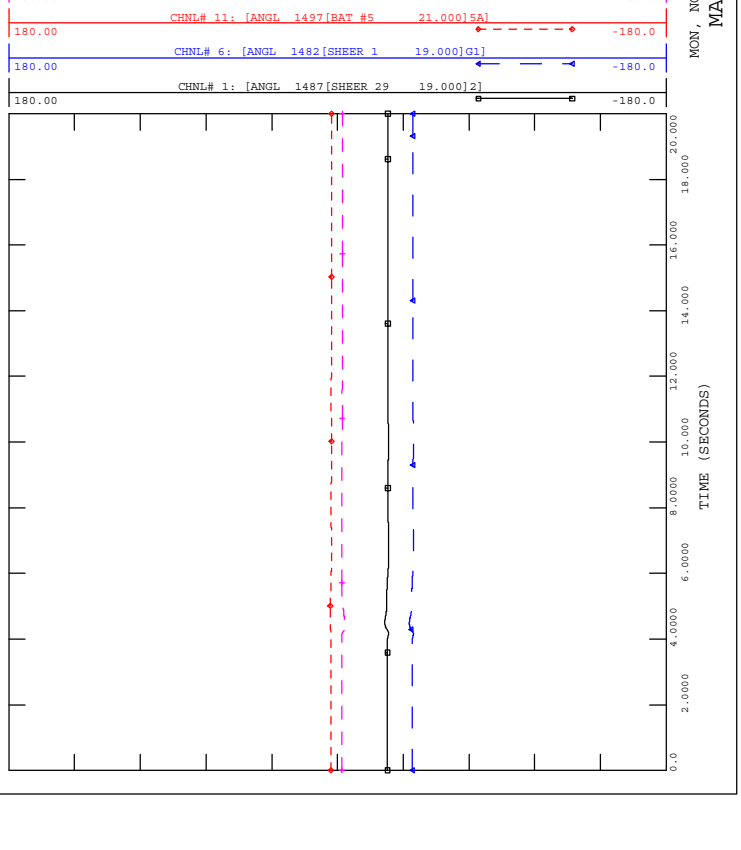


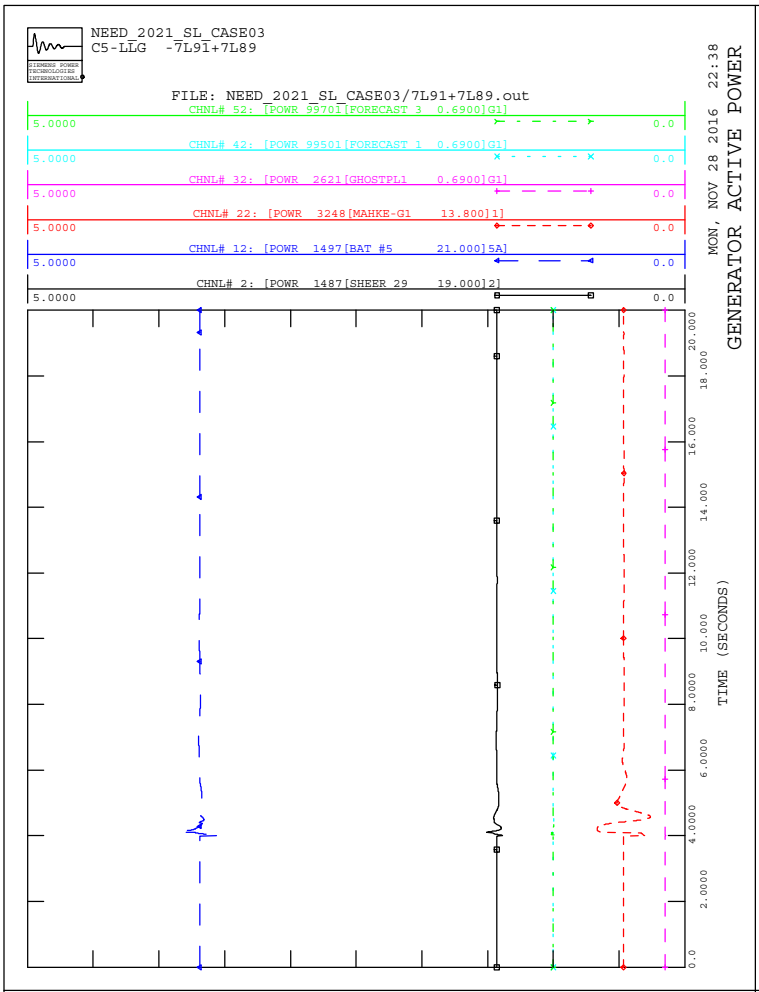
NEED_2021_SL_CASE03
C5-LLG -7L91+7L89

FILE: NEED_2021_SL_CASE03/7L91+7L89.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -7L91+7L89
FILE: NEED_2021_SL_CASE03/7L91+7L89.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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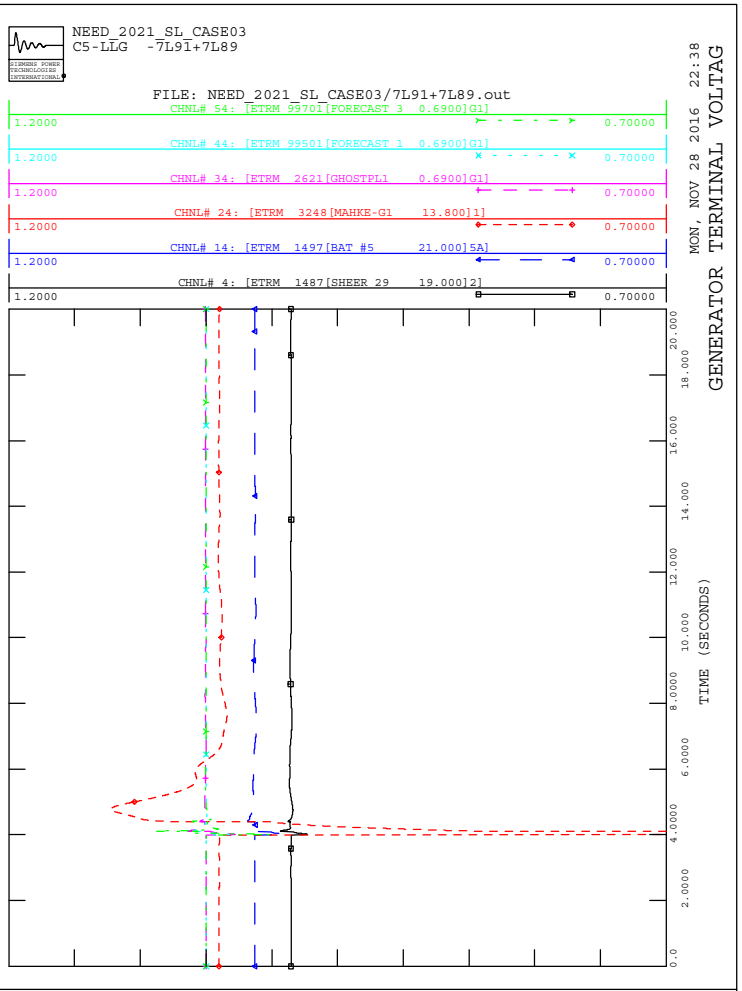
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -7L91+7L89
FILE: NEED_2021_SL_CASE03/7L91+7L89.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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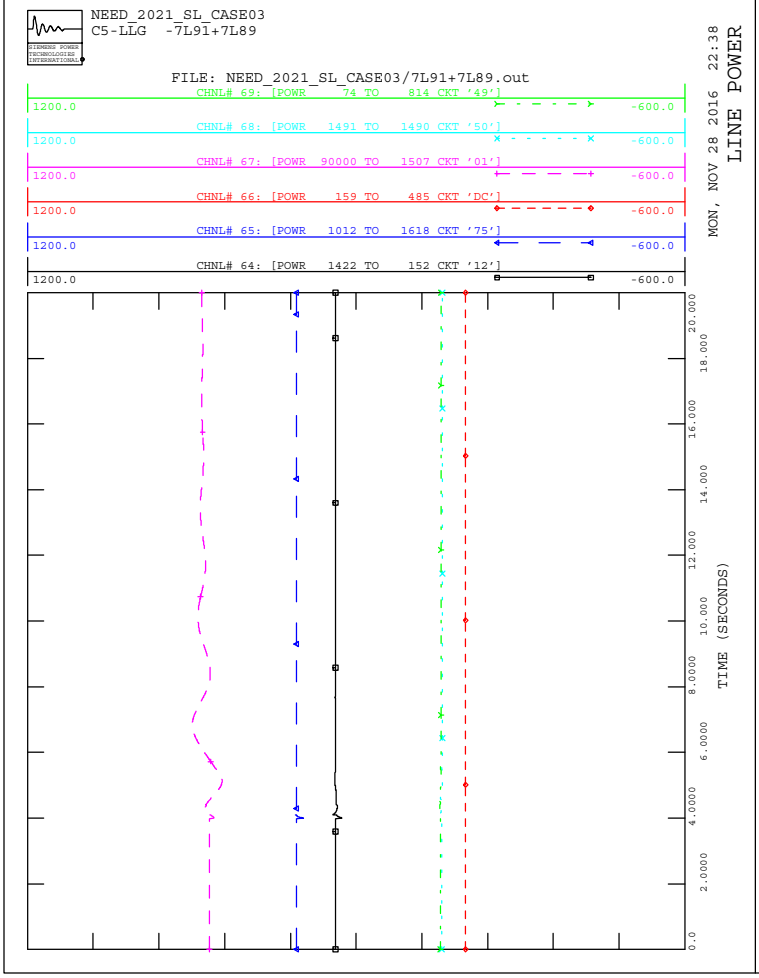
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -7L91+7L89
FILE: NEED_2021_SL_CASE03/7L91+7L89.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
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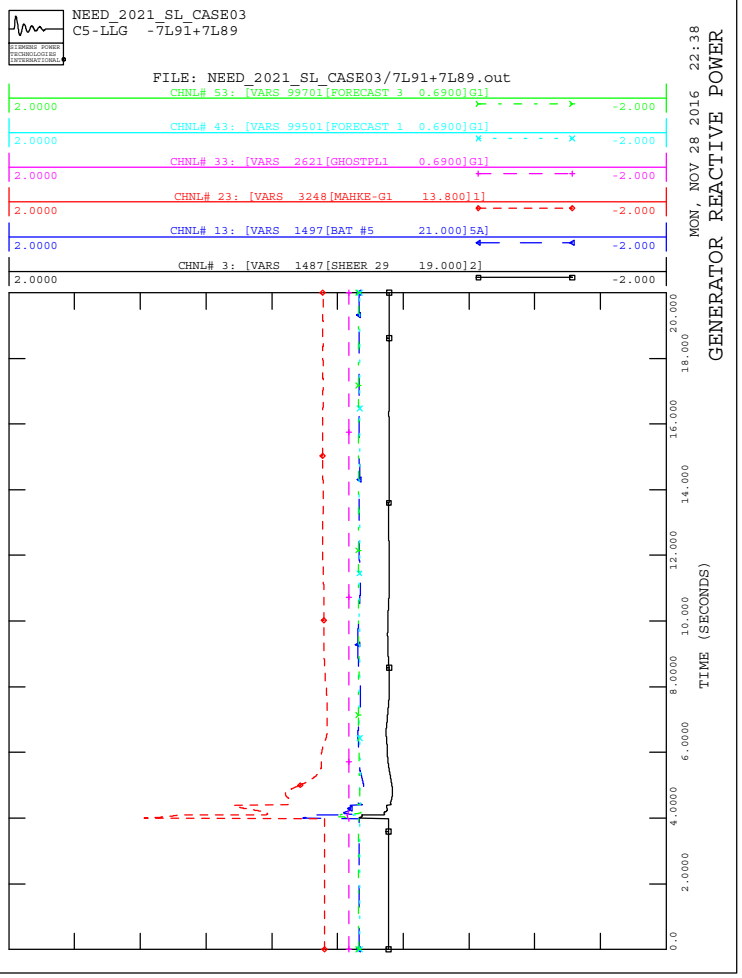
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -7L91+7L89
FILE: NEED_2021_SL_CASE03/7L91+7L89.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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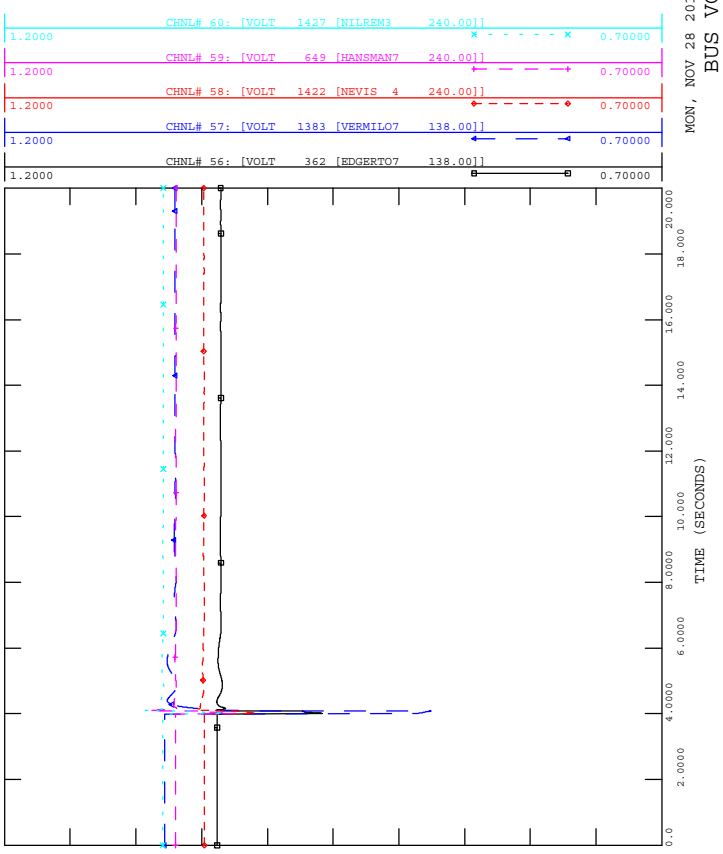
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -9L36+9L37

FILE: NEED_2021_SL_CASE03/9L36+9L37.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

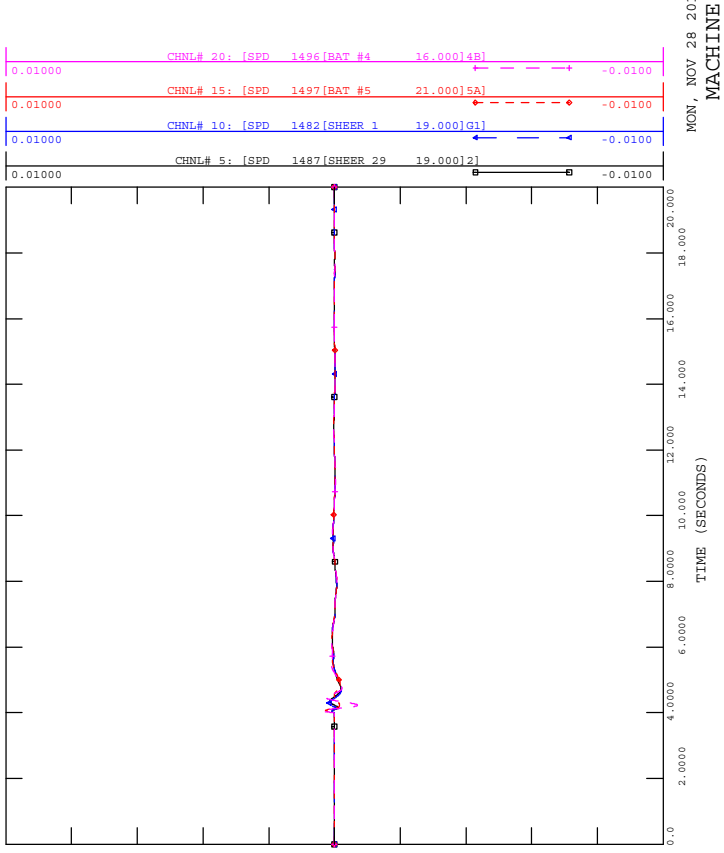


NEED_2021_SL_CASE03
C5-LLG -9L36+9L37

FILE: NEED_2021_SL_CASE03/9L36+9L37.out

MON, NOV 28 2016 22:38

MACHINE SPEED

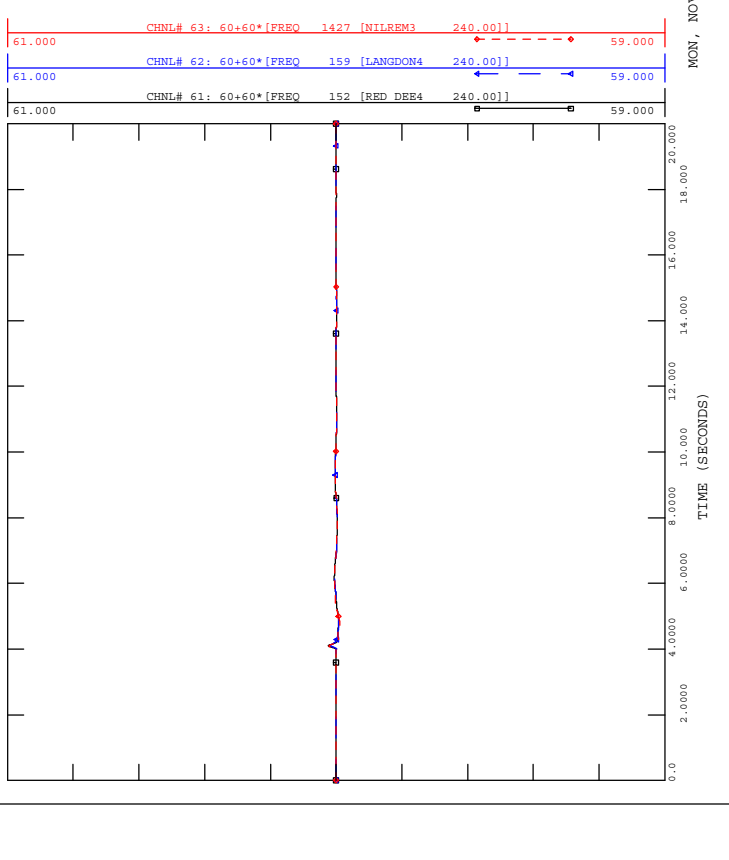


NEED_2021_SL_CASE03
C5-LLG -9L36+9L37

FILE: NEED_2021_SL_CASE03/9L36+9L37.out

MON, NOV 28 2016 22:38

FREQUENCY

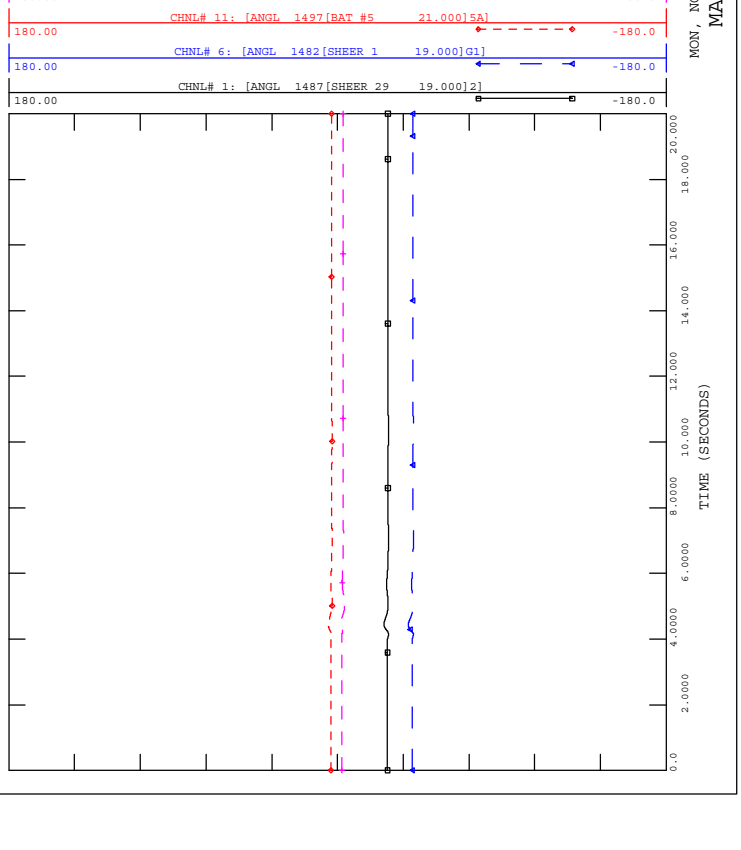


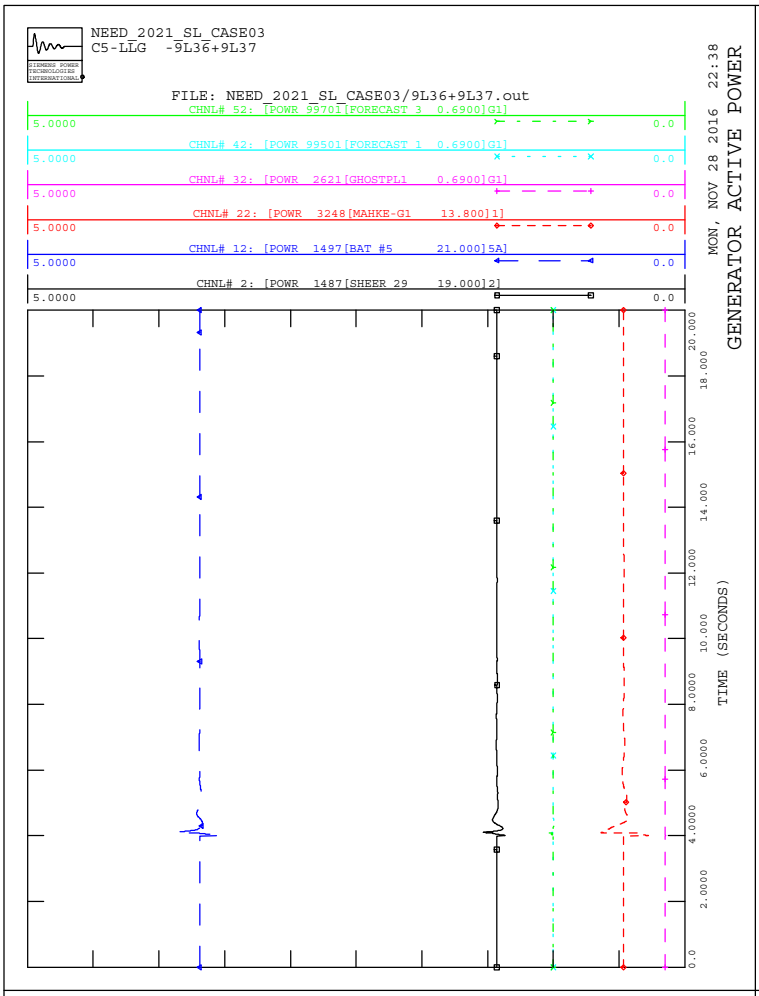
NEED_2021_SL_CASE03
C5-LLG -9L36+9L37

FILE: NEED_2021_SL_CASE03/9L36+9L37.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -9L36+9L37
FILE: NEED_2021_SL_CASE03/9L36+9L37.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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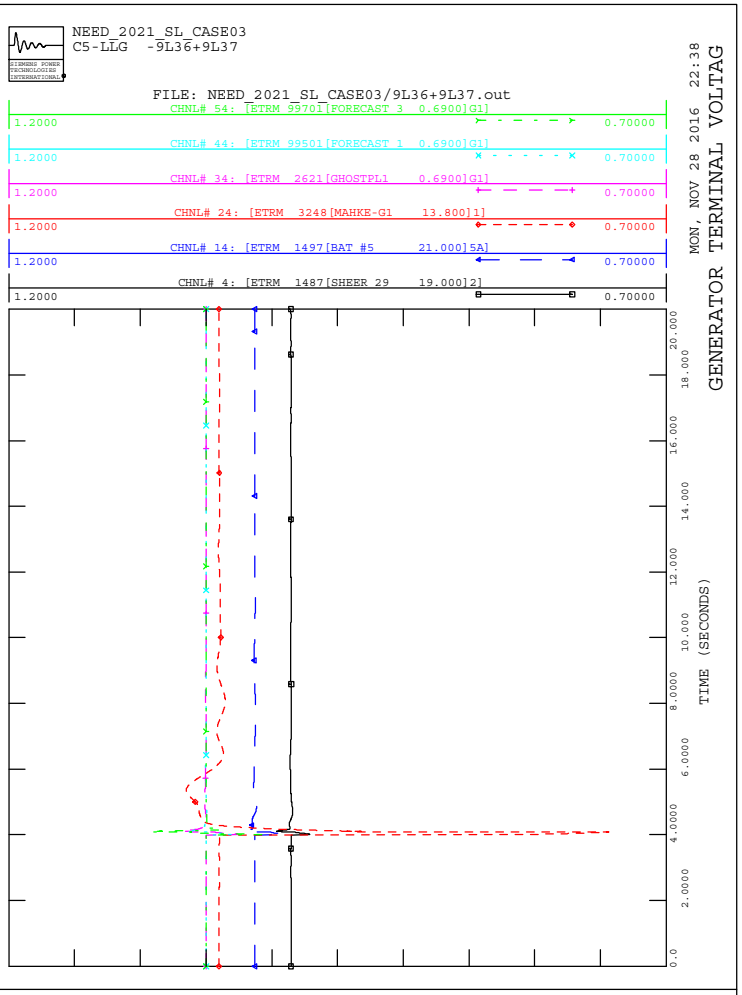
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER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C5-LLG -9L36+9L37
FILE: NEED_2021_SL_CASE03/9L36+9L37.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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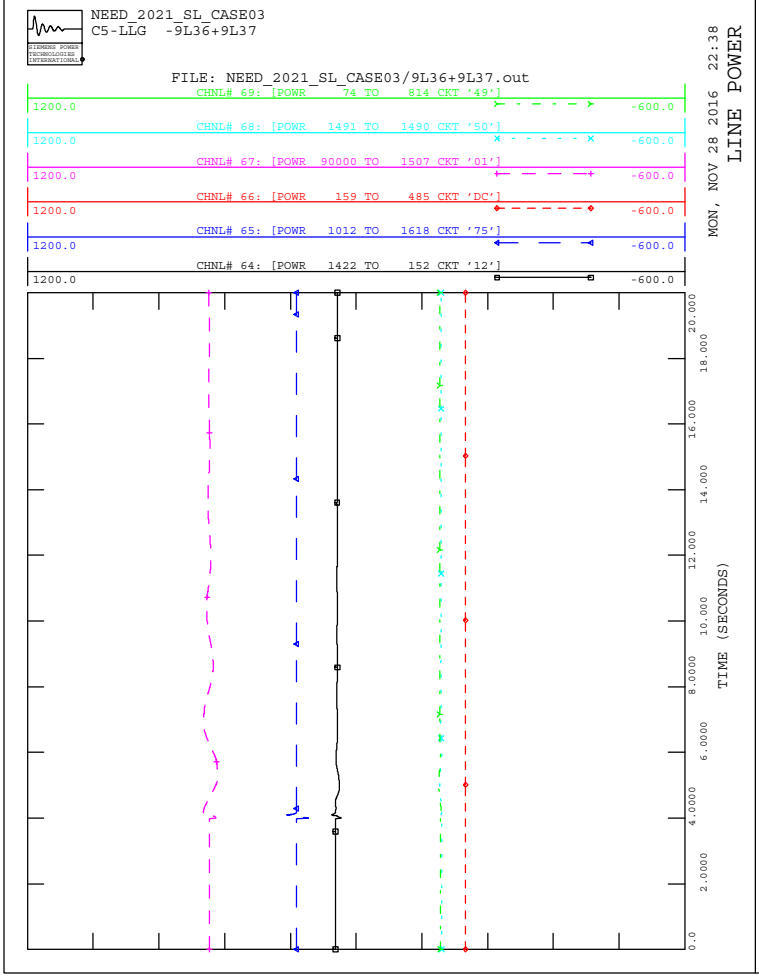
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -9L36+9L37
FILE: NEED_2021_SL_CASE03/9L36+9L37.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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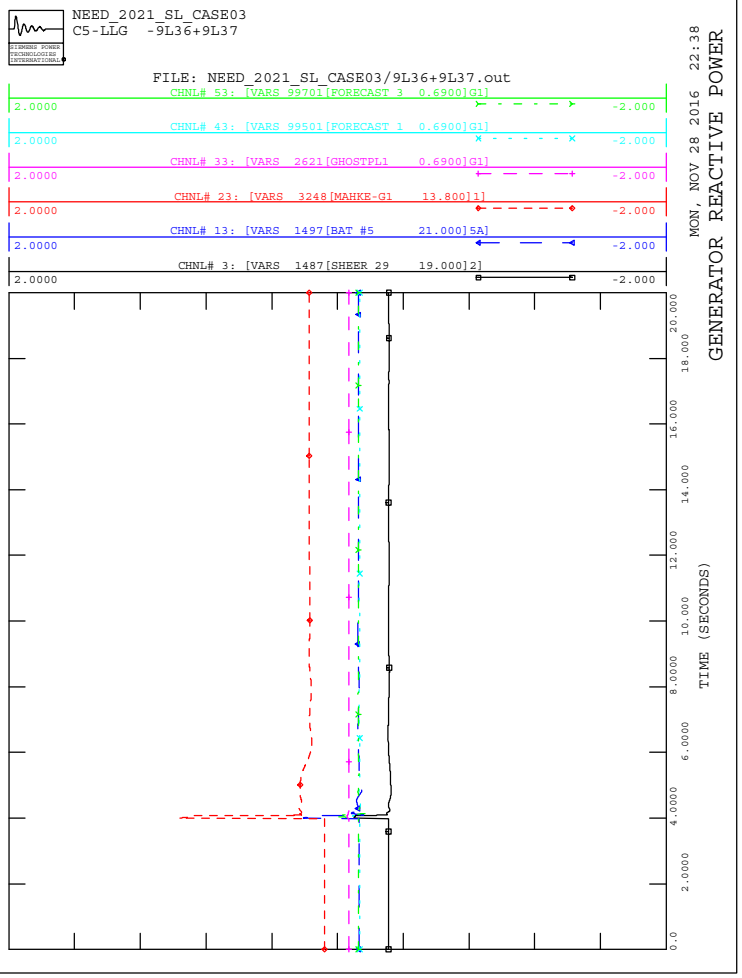
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -9L36+9L37
FILE: NEED_2021_SL_CASE03/9L36+9L37.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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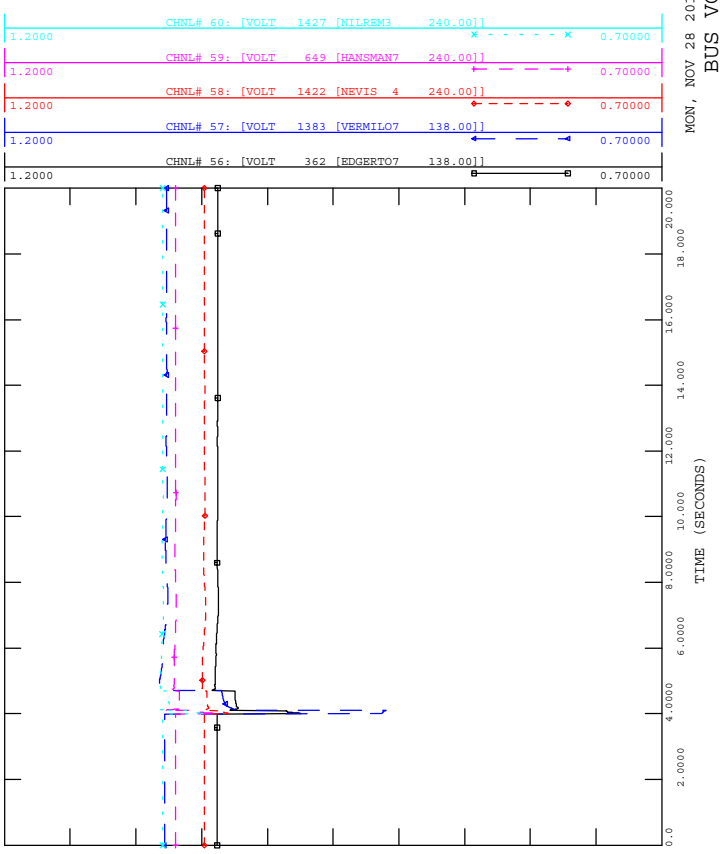
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -7L139+7L70

FILE: NEED_2021_SL_CASE03/7L139+7L70.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

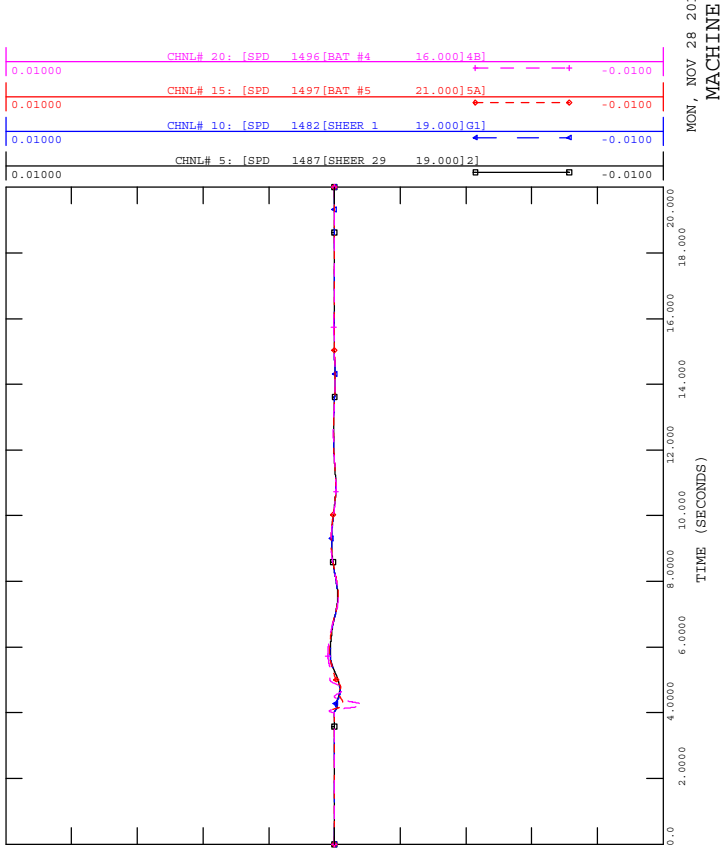


NEED_2021_SL_CASE03
C5-LLG -7L139+7L70

FILE: NEED_2021_SL_CASE03/7L139+7L70.out

MON, NOV 28 2016 22:38

MACHINE SPEED

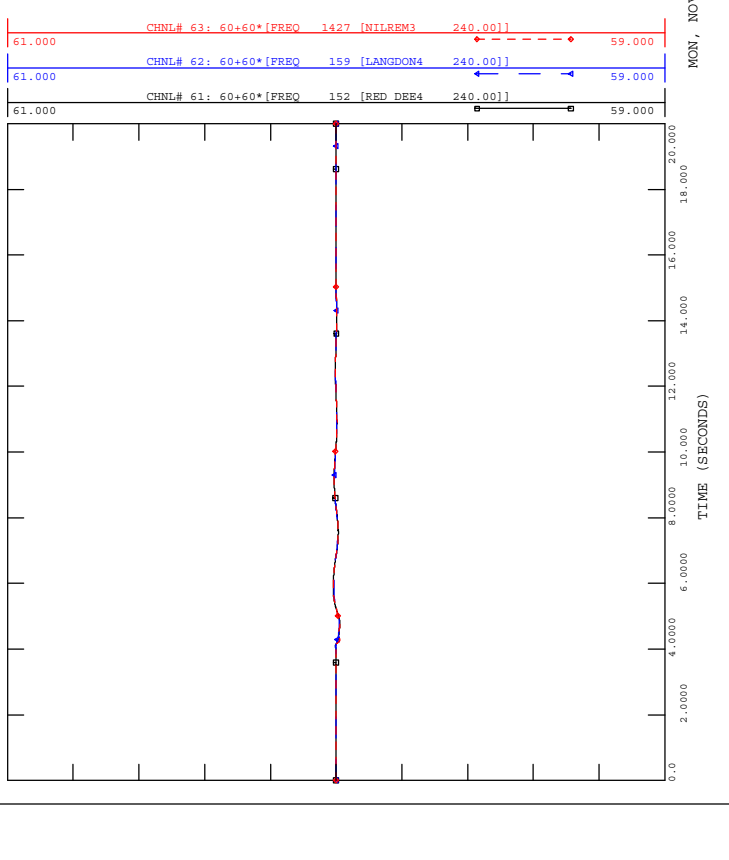


NEED_2021_SL_CASE03
C5-LLG -7L139+7L70

FILE: NEED_2021_SL_CASE03/7L139+7L70.out

MON, NOV 28 2016 22:38

FREQUENCY

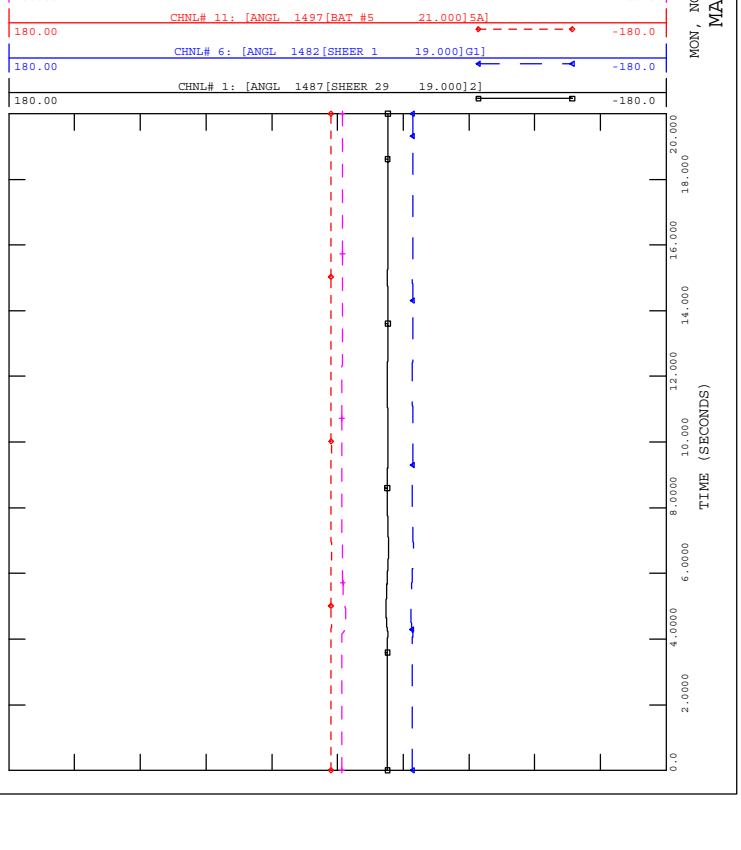


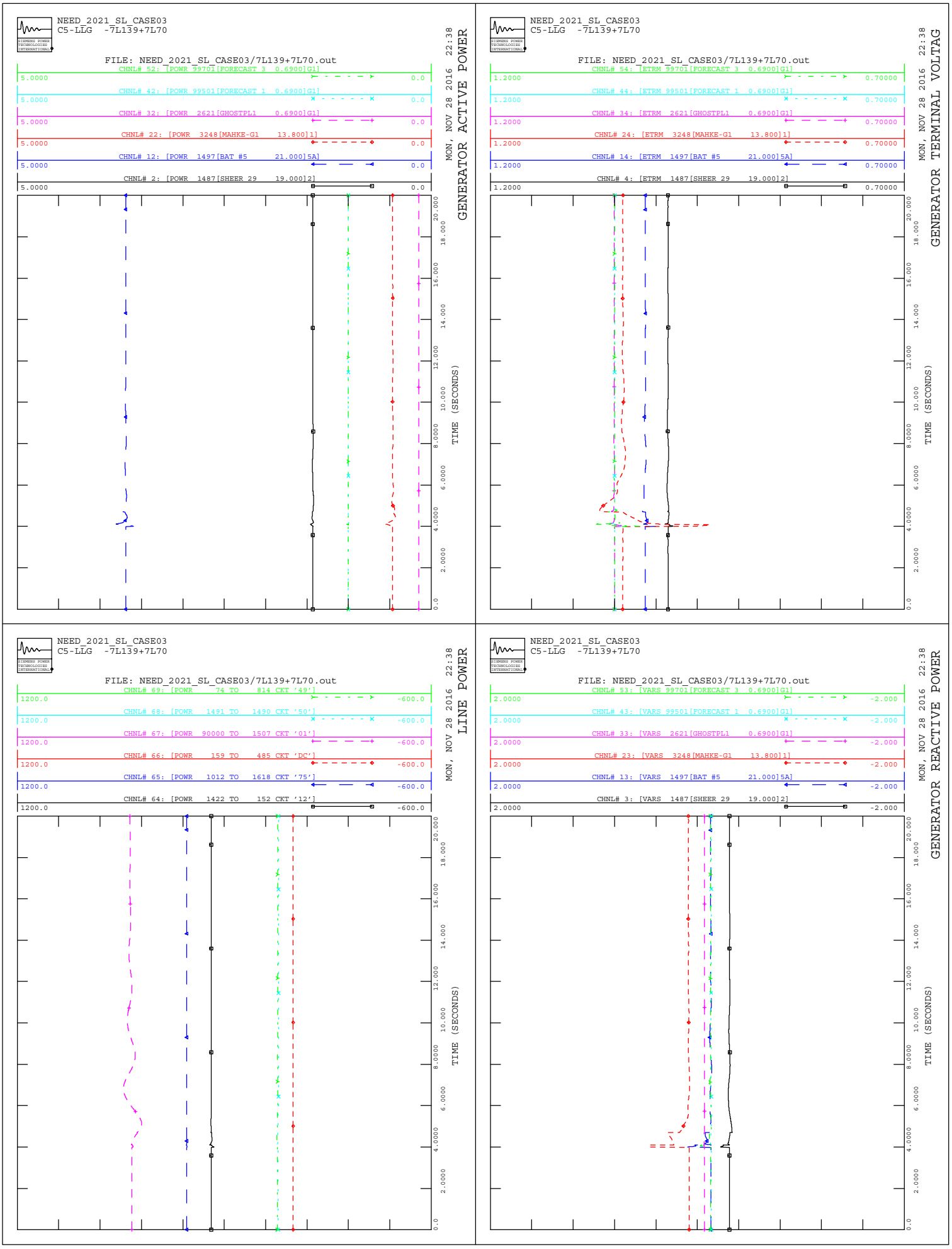
NEED_2021_SL_CASE03
C5-LLG -7L139+7L70

FILE: NEED_2021_SL_CASE03/7L139+7L70.out

MON, NOV 28 2016 22:38

MACHINE ANGEL



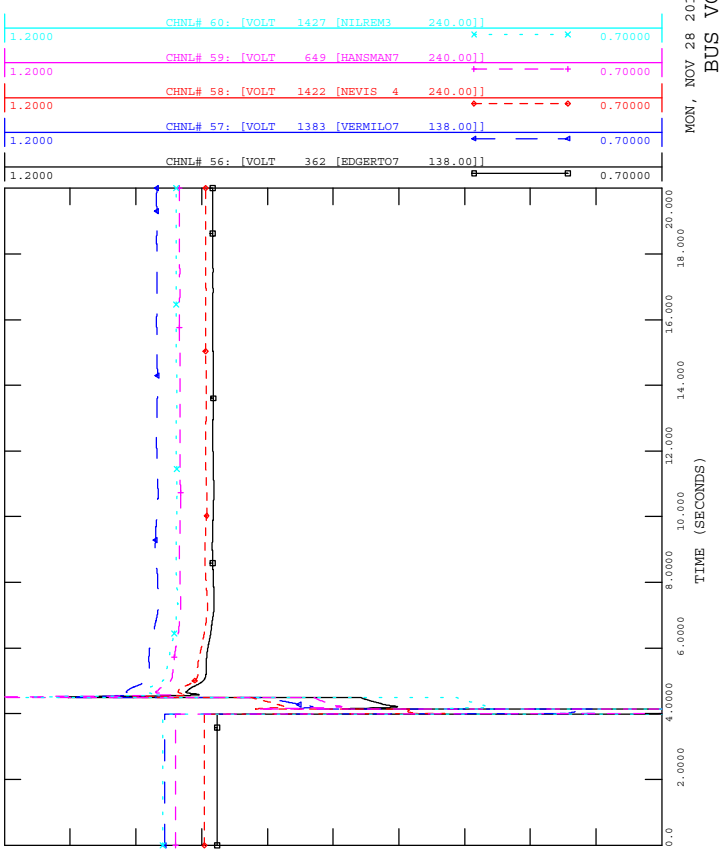

NEED_2021_SL_CASE03
C5-LLG -7L139+7L70
FILE: NEED_2021_SL_CASE03/7L139+7L70.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 28 2016 22:38
TIME (SECONDS)
NEED_2021_SL_CASE03
C5-LLG -7L139+7L70
FILE: NEED_2021_SL_CASE03/7L139+7L70.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 28 2016 22:38
TIME (SECONDS)
NEED_2021_SL_CASE03
C5-LLG -7L139+7L70
FILE: NEED_2021_SL_CASE03/7L139+7L70.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 28 2016 22:38
TIME (SECONDS)
NEED_2021_SL_CASE03
C5-LLG -7L139+7L70
FILE: NEED_2021_SL_CASE03/7L139+7L70.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 28 2016 22:38
TIME (SECONDS)

NEED_2021_SL_CASE03
C5-LLG -679L+680L

FILE: NEED_2021_SL_CASE03/679L+680L.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

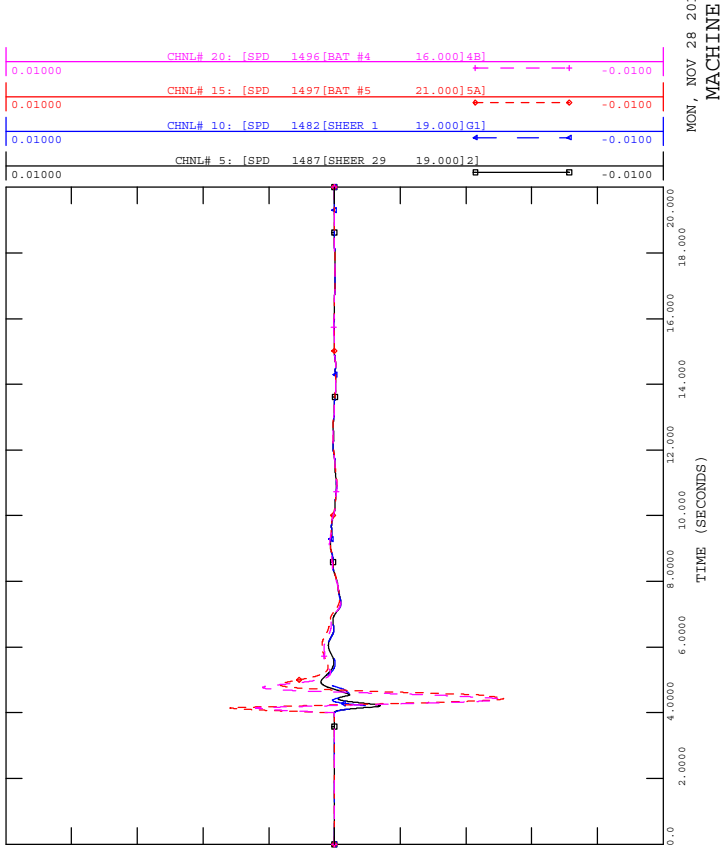


NEED_2021_SL_CASE03
C5-LLG -679L+680L

FILE: NEED_2021_SL_CASE03/679L+680L.out

MON, NOV 28 2016 22:38

MACHINE SPEED

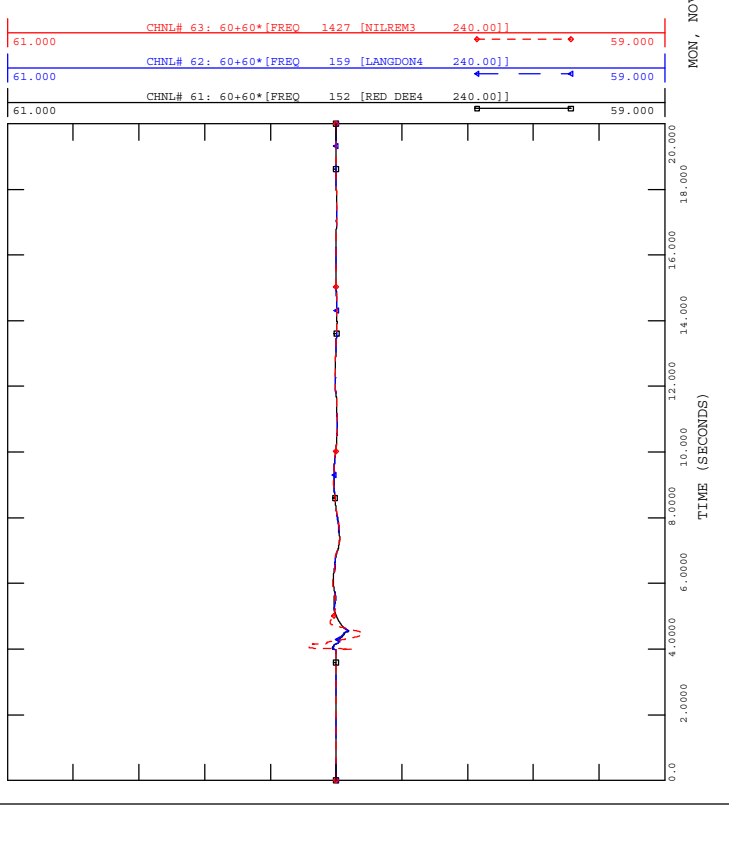


NEED_2021_SL_CASE03
C5-LLG -679L+680L

FILE: NEED_2021_SL_CASE03/679L+680L.out

MON, NOV 28 2016 22:38

FREQUENCY

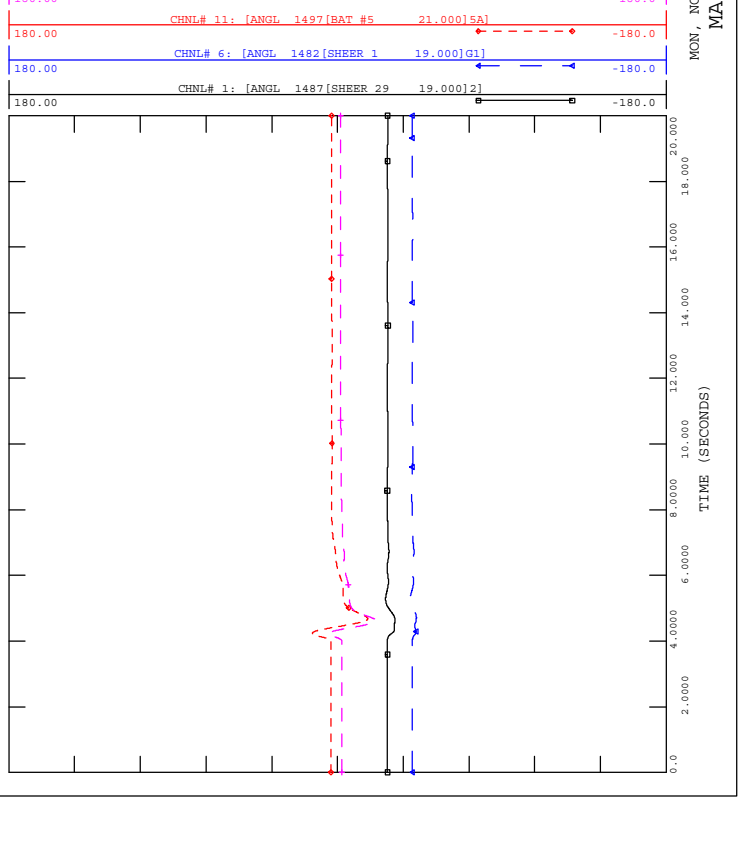


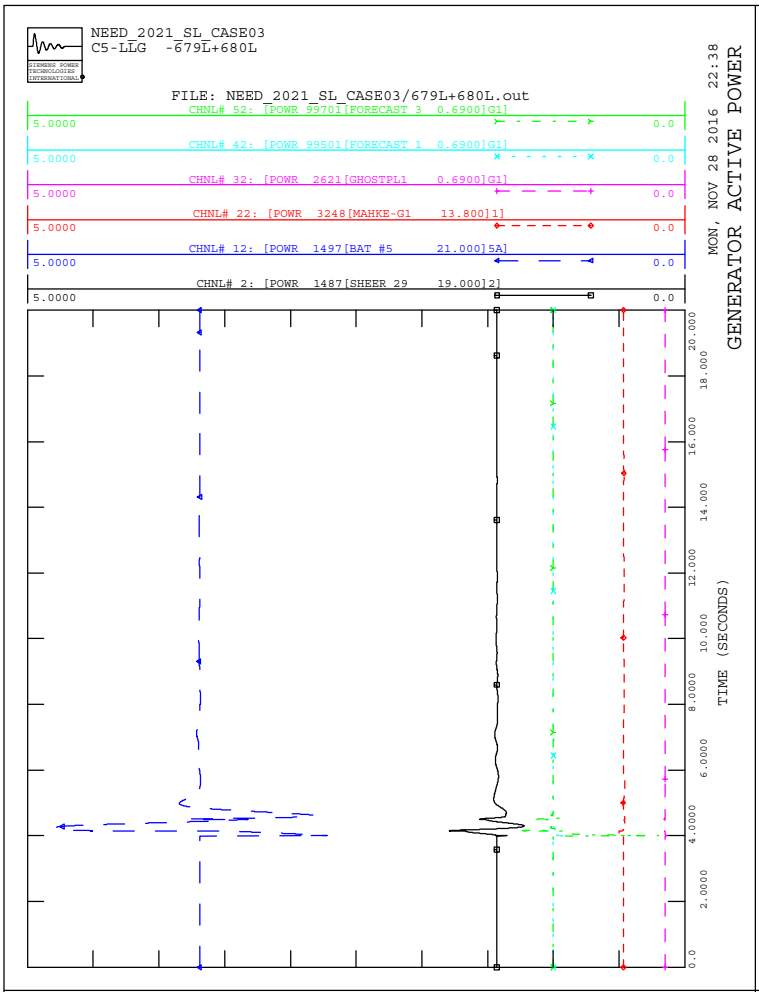
NEED_2021_SL_CASE03
C5-LLG -679L+680L

FILE: NEED_2021_SL_CASE03/679L+680L.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -679L+680L
FILE: NEED_2021_SL_CASE03/679L+680L.out
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CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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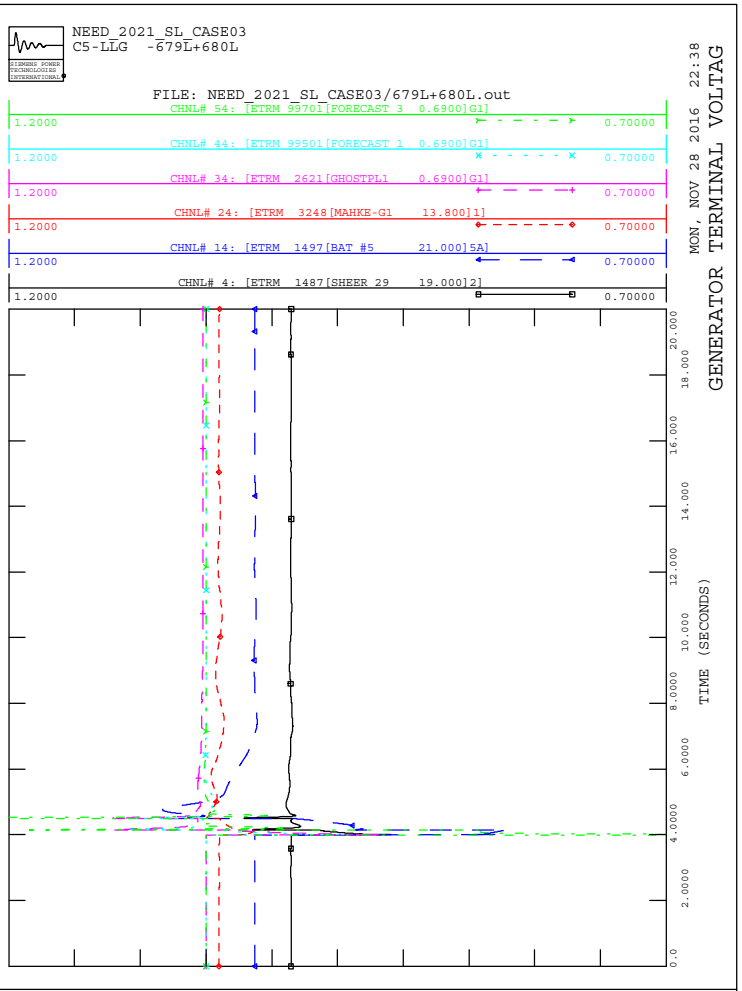
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -679L+680L
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CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0
2.0000
4.0000
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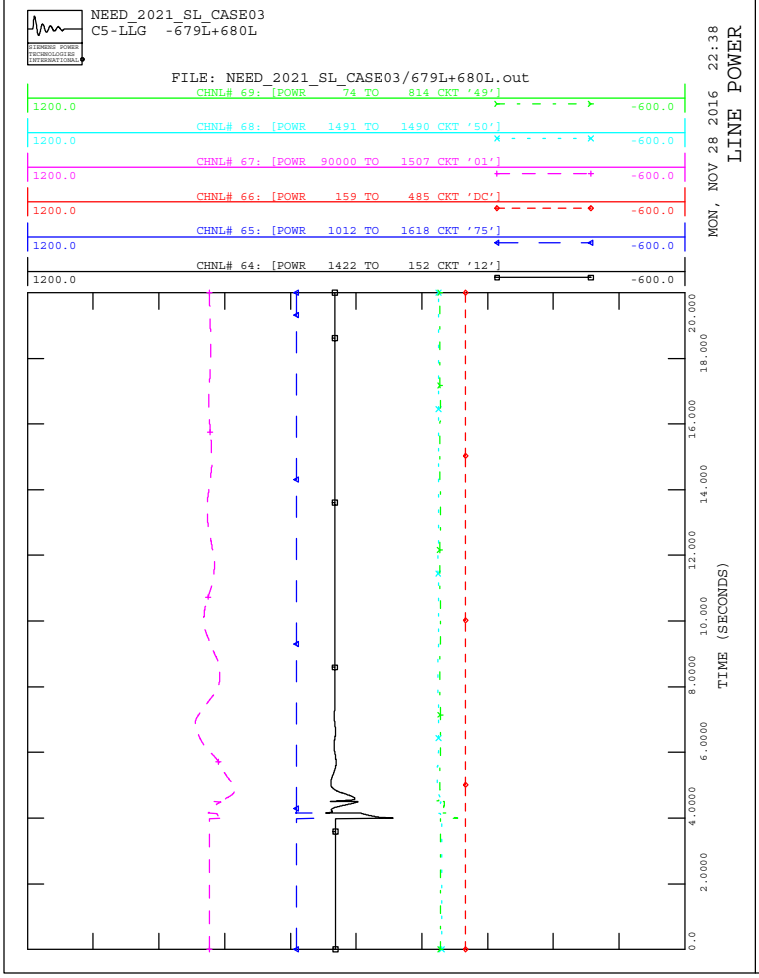
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -679L+680L
FILE: NEED_2021_SL_CASE03/679L+680L.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
2.0000
4.0000
6.0000
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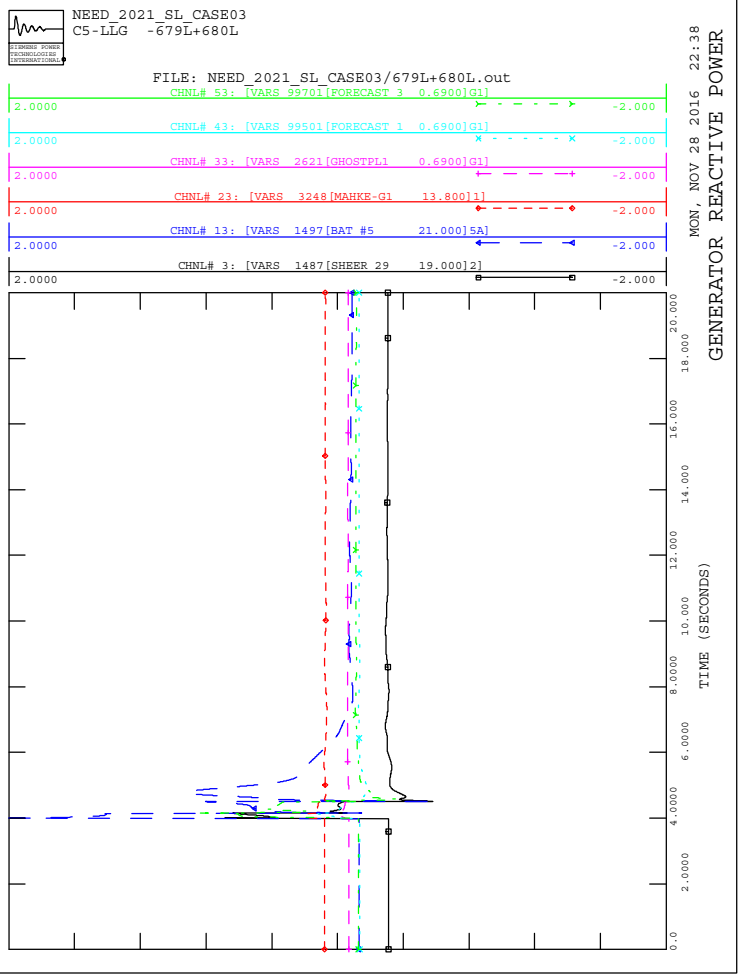
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -679L+680L
FILE: NEED_2021_SL_CASE03/679L+680L.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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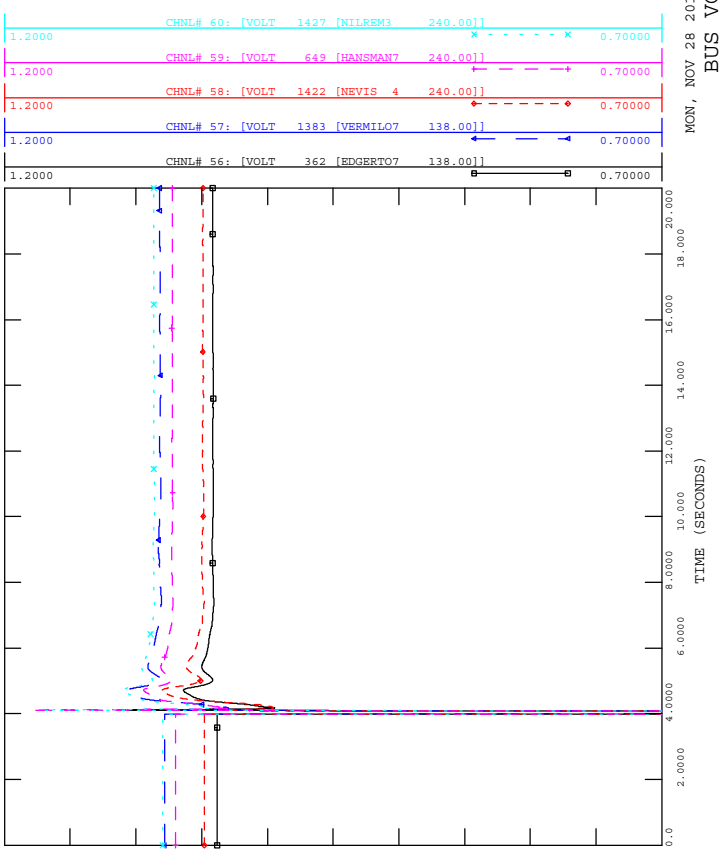
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -9L16+9L953

FILE: NEED_2021_SL_CASE03/9L16+9L953.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

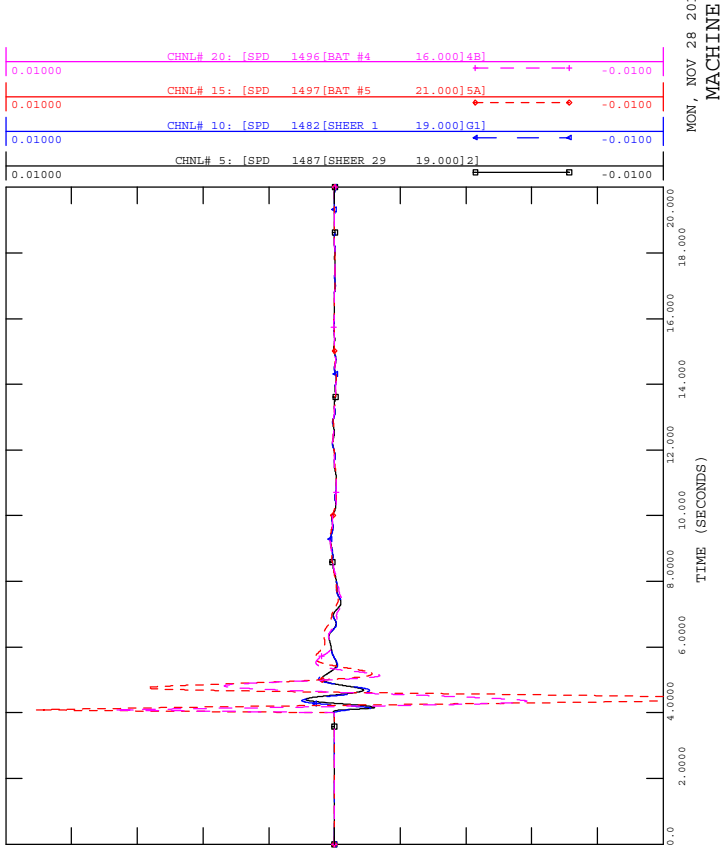


NEED_2021_SL_CASE03
C5-LLG -9L16+9L953

FILE: NEED_2021_SL_CASE03/9L16+9L953.out

MON, NOV 28 2016 22:38

MACHINE SPEED

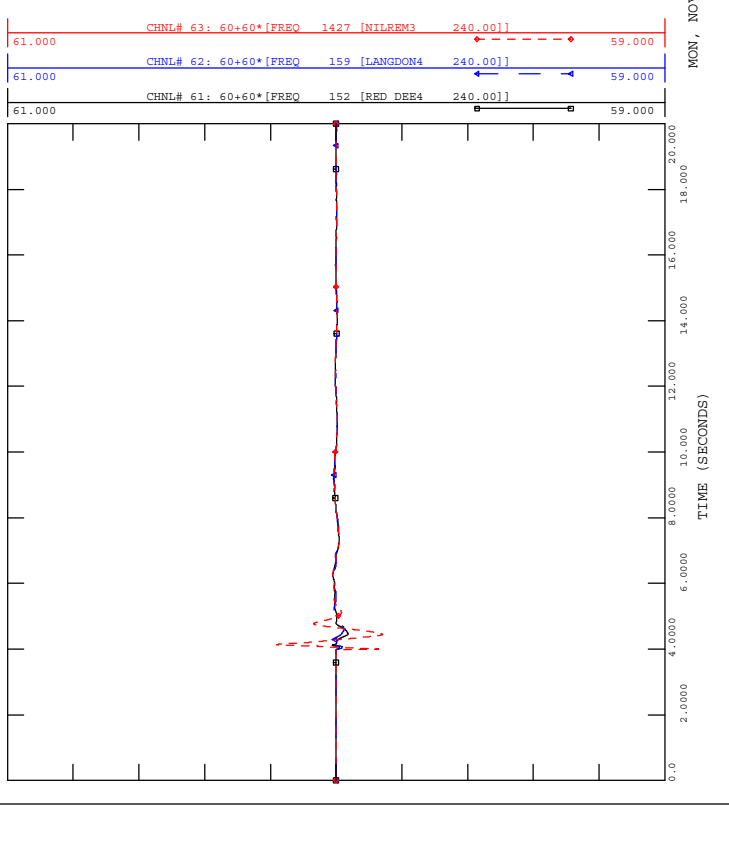


NEED_2021_SL_CASE03
C5-LLG -9L16+9L953

FILE: NEED_2021_SL_CASE03/9L16+9L953.out

MON, NOV 28 2016 22:38

FREQUENCY

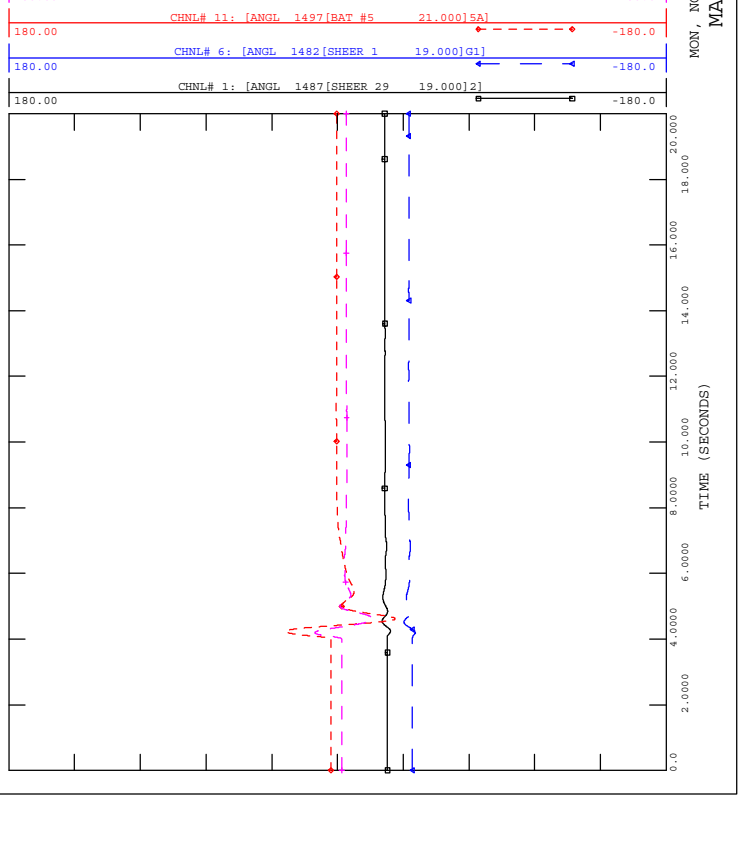


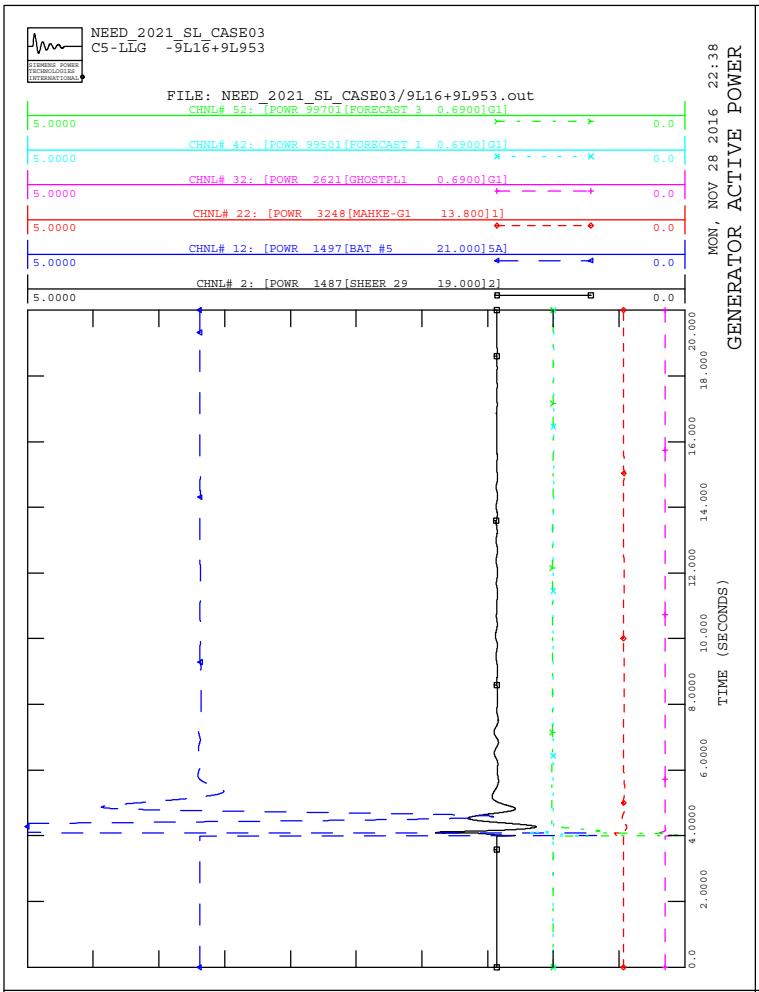
NEED_2021_SL_CASE03
C5-LLG -9L16+9L953

FILE: NEED_2021_SL_CASE03/9L16+9L953.out

MON, NOV 28 2016 22:38

MACHINE ANGEL

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C5-LLG -9L16+9L953
FILE: NEED_2021_SL_CASE03/9L16+9L953.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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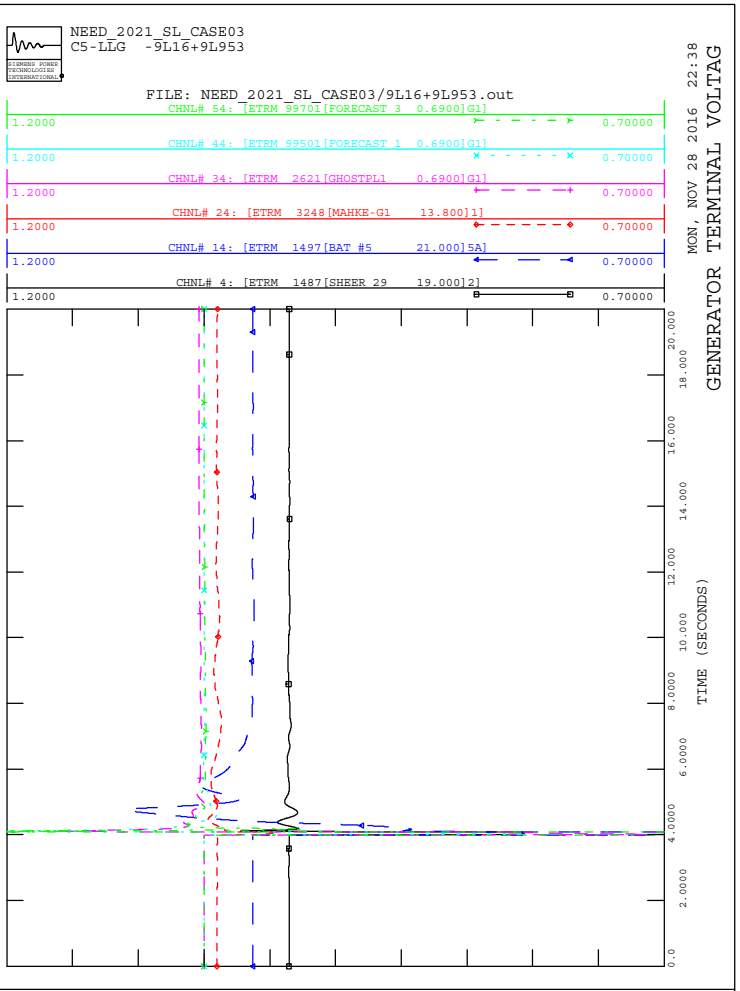
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER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C5-LLG -9L16+9L953
FILE: NEED_2021_SL_CASE03/9L16+9L953.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
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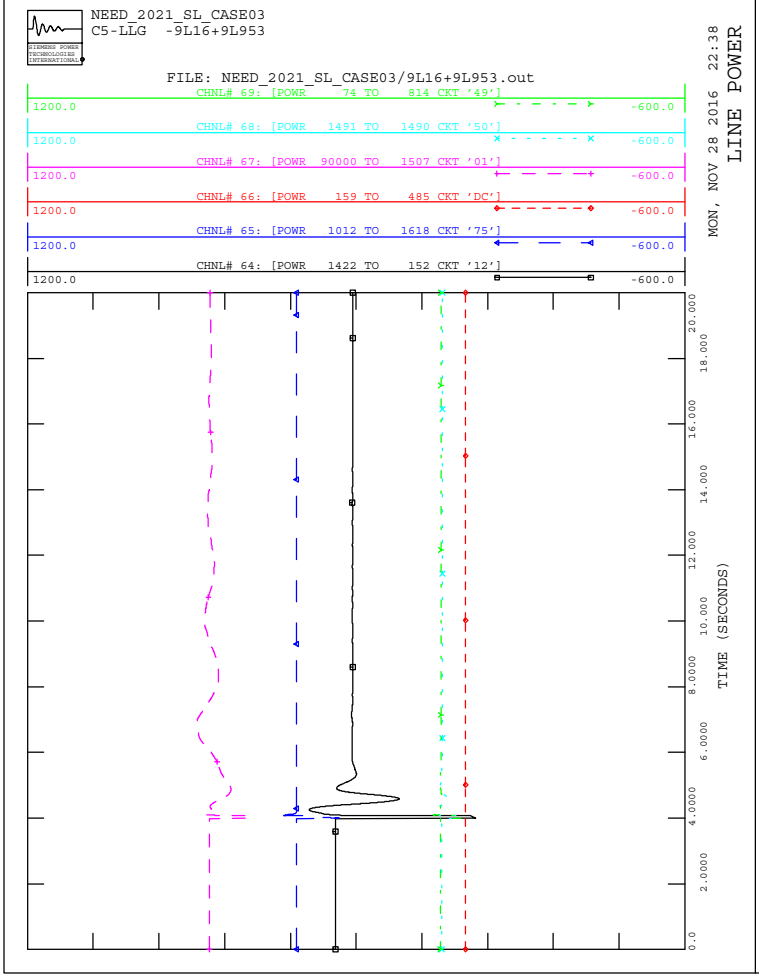
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -9L16+9L953
FILE: NEED_2021_SL_CASE03/9L16+9L953.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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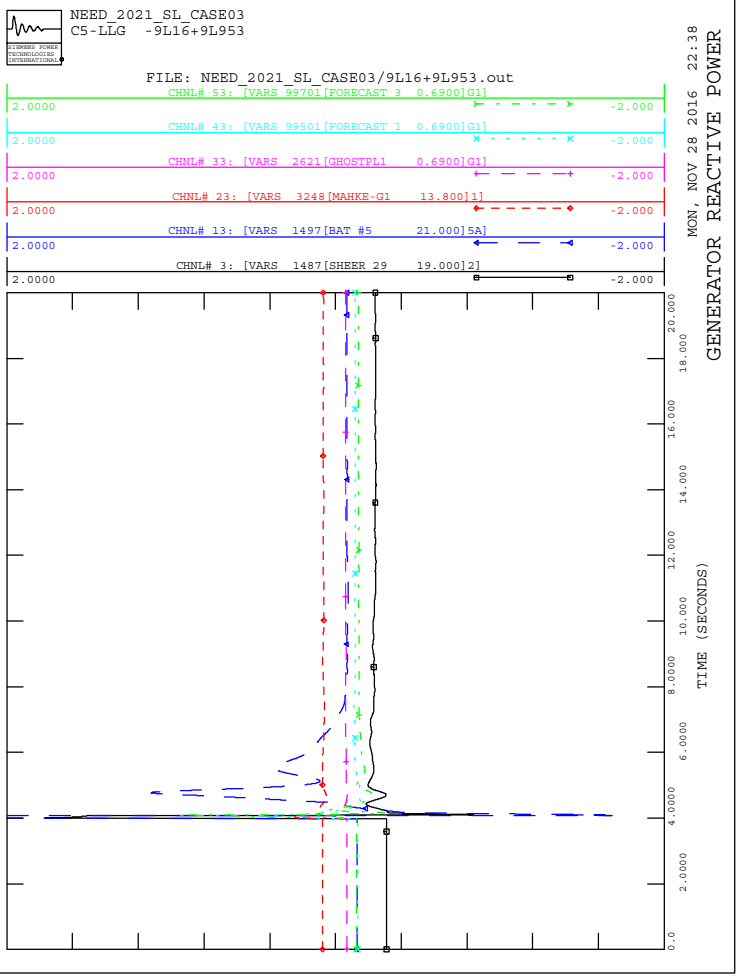
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -9L16+9L953
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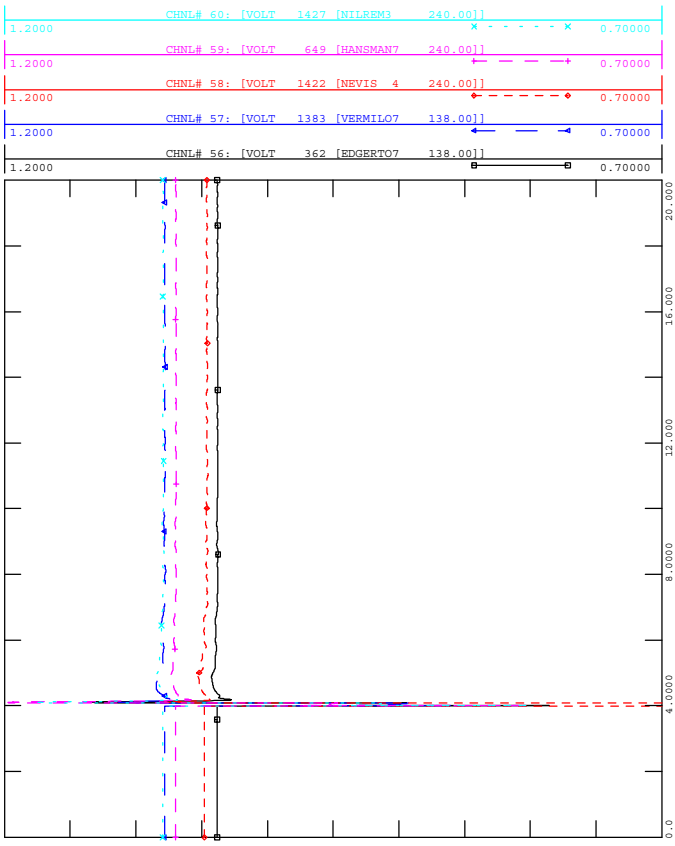
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -1082L+925L

FILE: NEED_2021_SL_CASE03/1082L+925L.out

MON, NOV 28 2016 22:38

BUS VOLTAGE



NEED_2021_SL_CASE03
C5-LLG -1082L+925L

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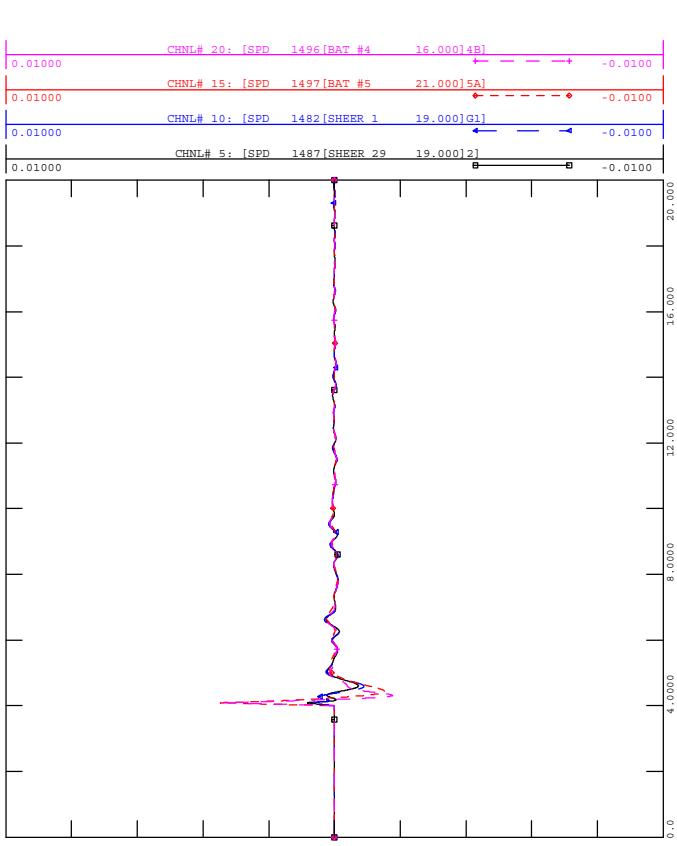
MON, NOV 28 2016 22:38

MACHINE SPEED

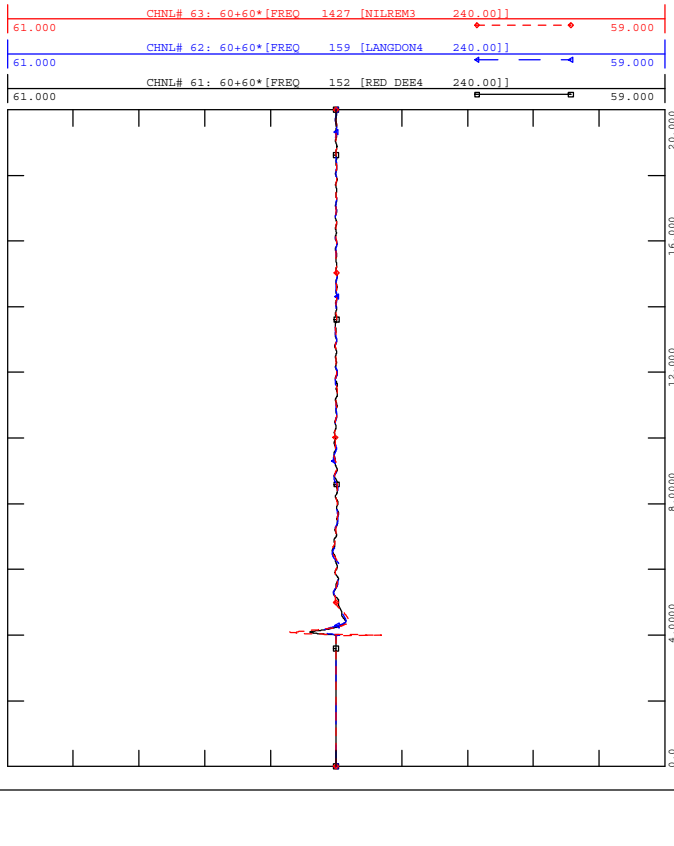


NEED_2021_SL_CASE03
C5-LLG -1082L+925L

FILE: NEED_2021_SL_CASE03/1082L+925L.out

MON, NOV 28 2016 22:38

FREQUENCY

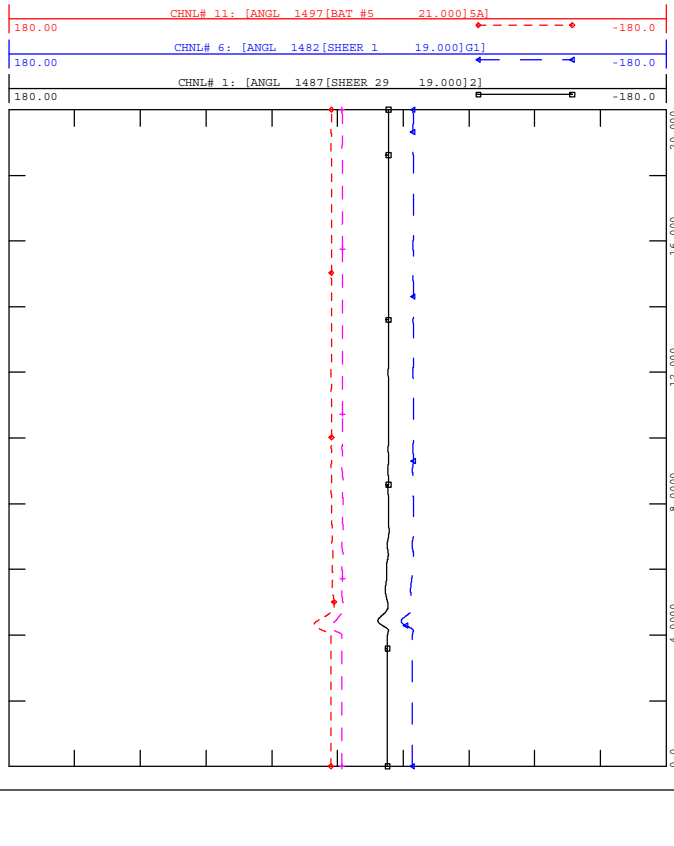


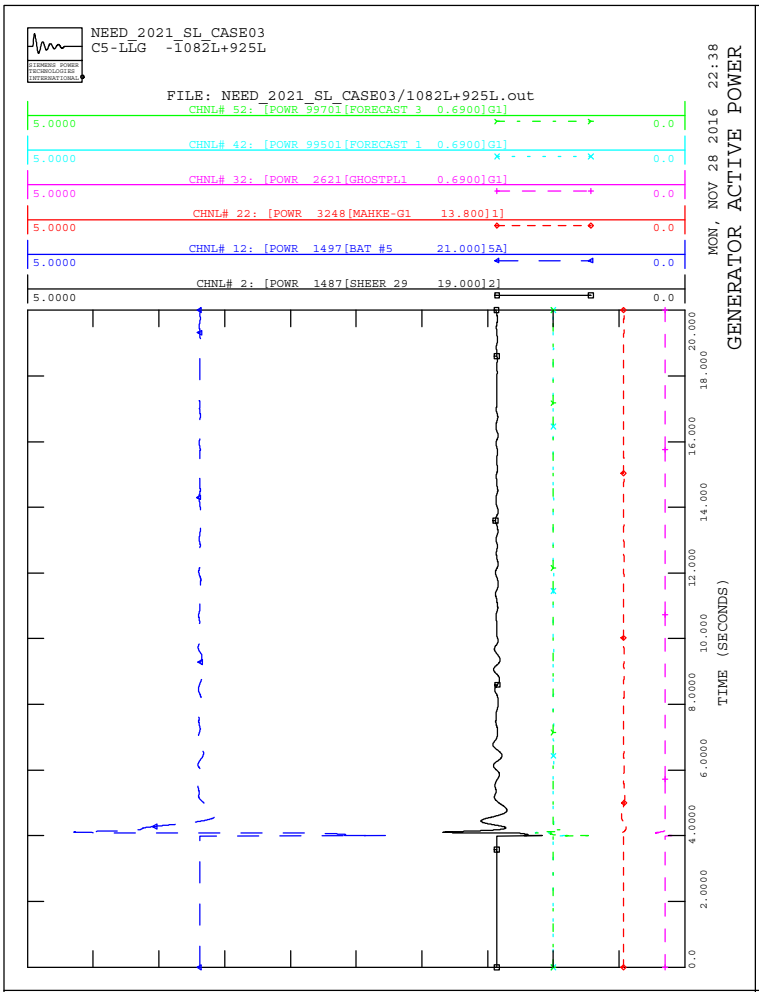
NEED_2021_SL_CASE03
C5-LLG -1082L+925L

FILE: NEED_2021_SL_CASE03/1082L+925L.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -1082L+925L
FILE: NEED_2021_SL_CASE03/1082L+925L.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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20.000
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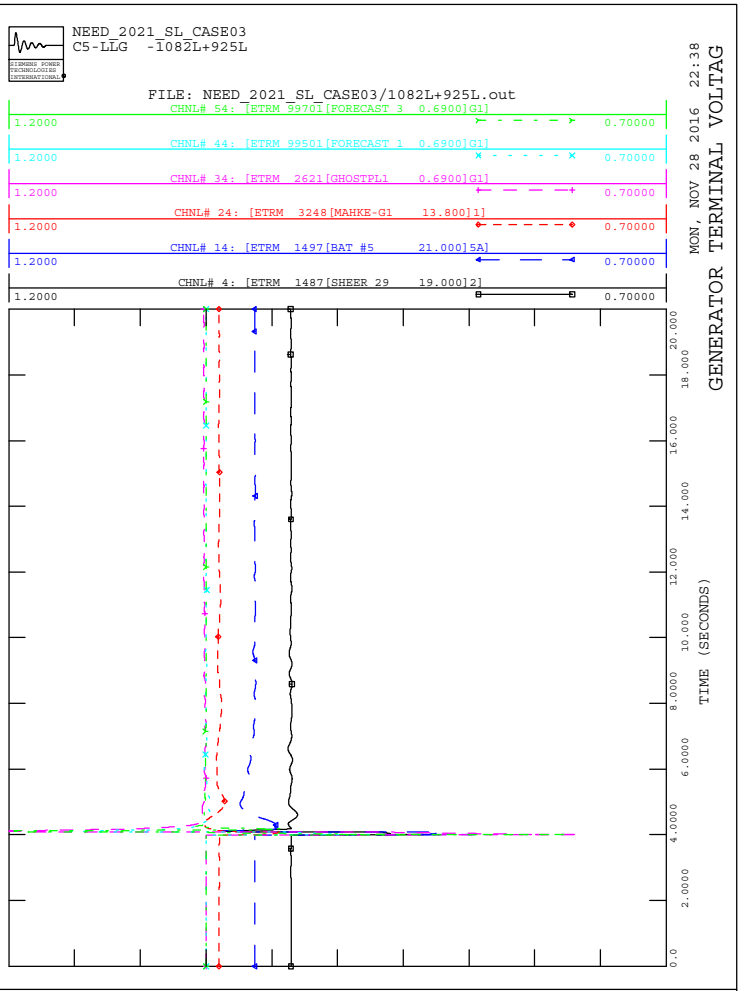
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -1082L+925L
FILE: NEED_2021_SL_CASE03/1082L+925L.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
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MON, NOV 28 2016 22:38
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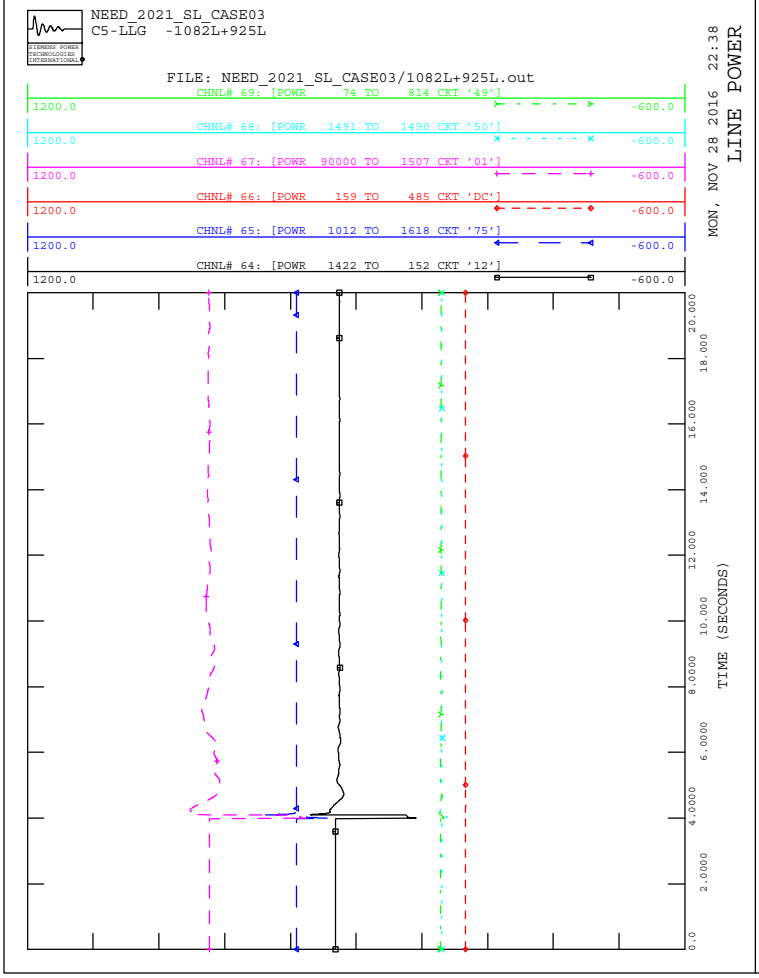
NEED_2021_SL_CASE03
C5-LLG -1082L+925L
FILE: NEED_2021_SL_CASE03/1082L+925L.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
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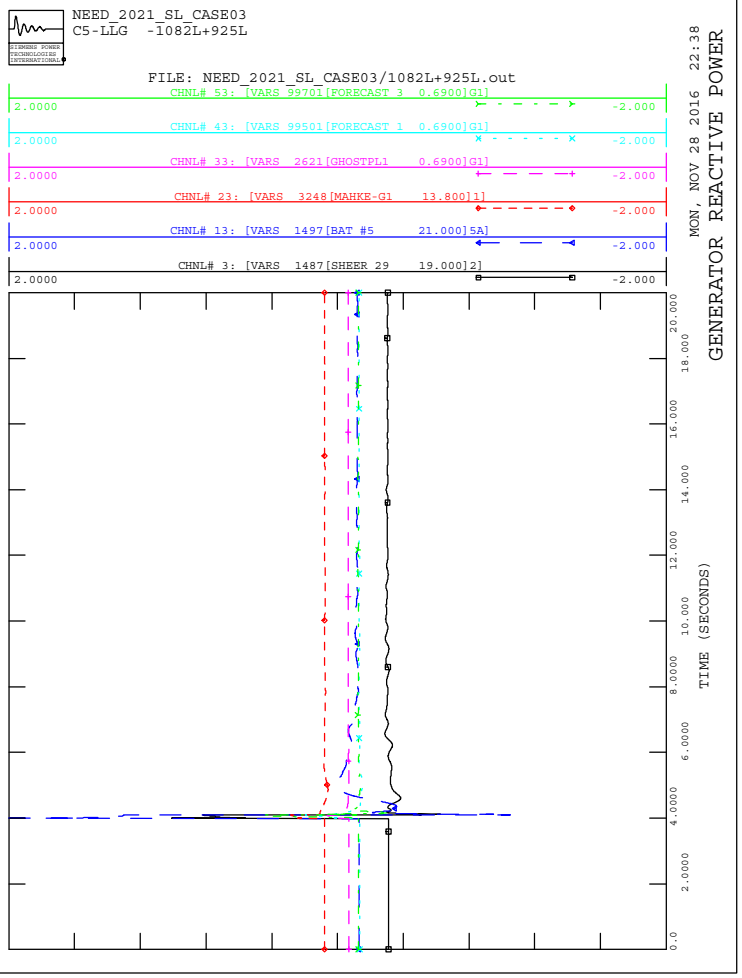
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -1082L+925L
FILE: NEED_2021_SL_CASE03/1082L+925L.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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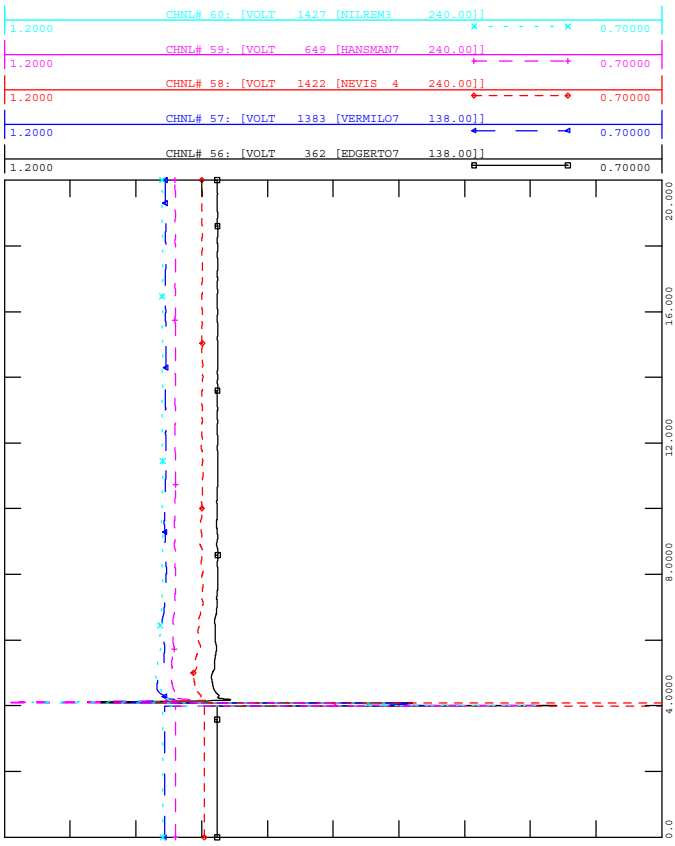
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -1083L+914L

FILE: NEED_2021_SL_CASE03/1083L+914L.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

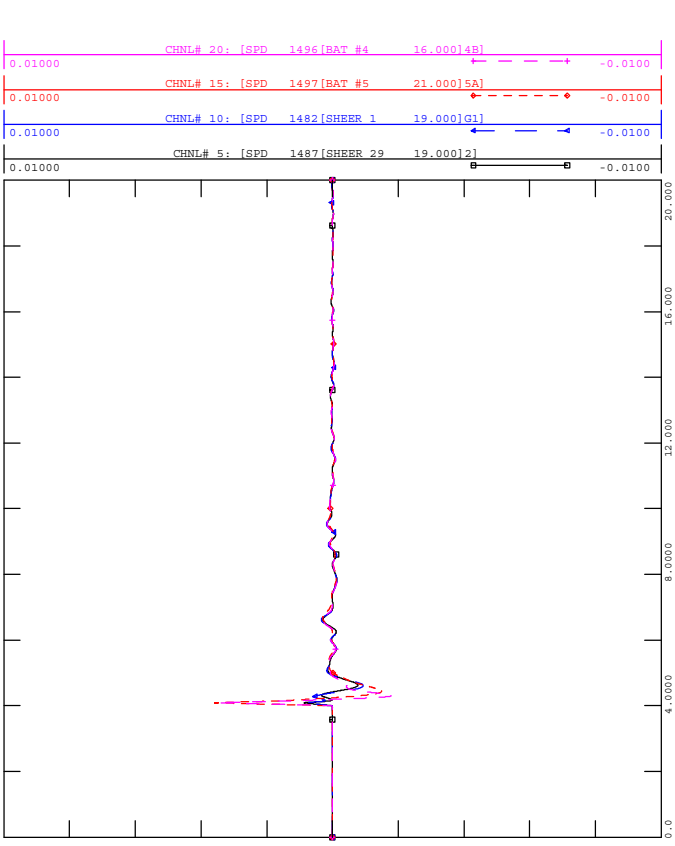


NEED_2021_SL_CASE03
C5-LLG -1083L+914L

FILE: NEED_2021_SL_CASE03/1083L+914L.out

MON, NOV 28 2016 22:38

MACHINE SPEED

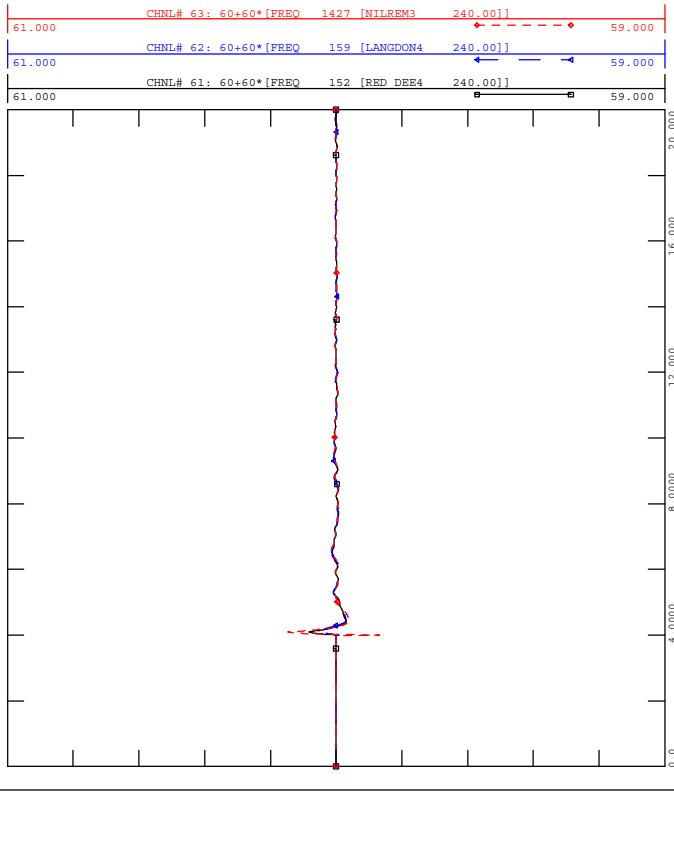


NEED_2021_SL_CASE03
C5-LLG -1083L+914L

FILE: NEED_2021_SL_CASE03/1083L+914L.out

MON, NOV 28 2016 22:38

FREQUENCY

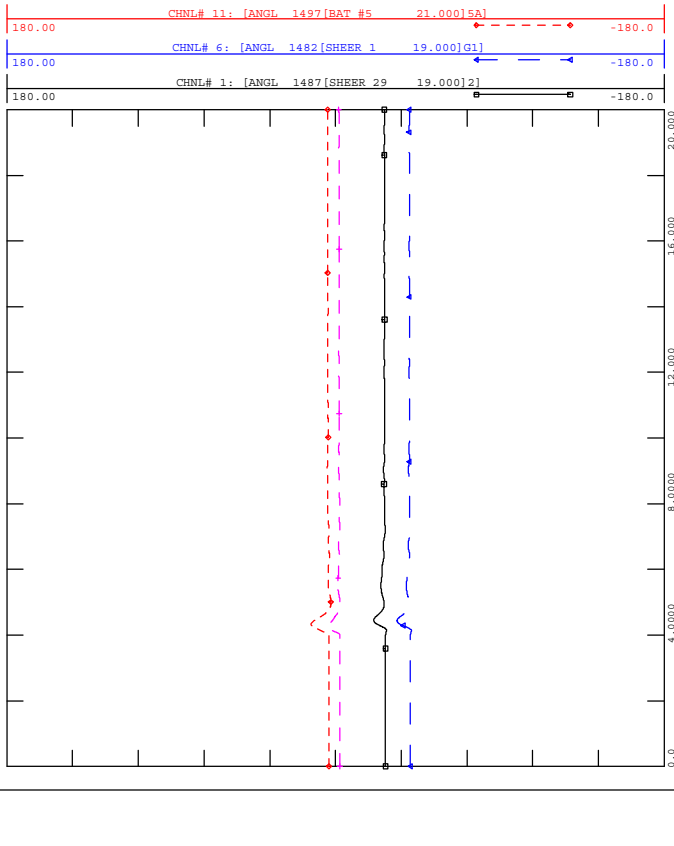


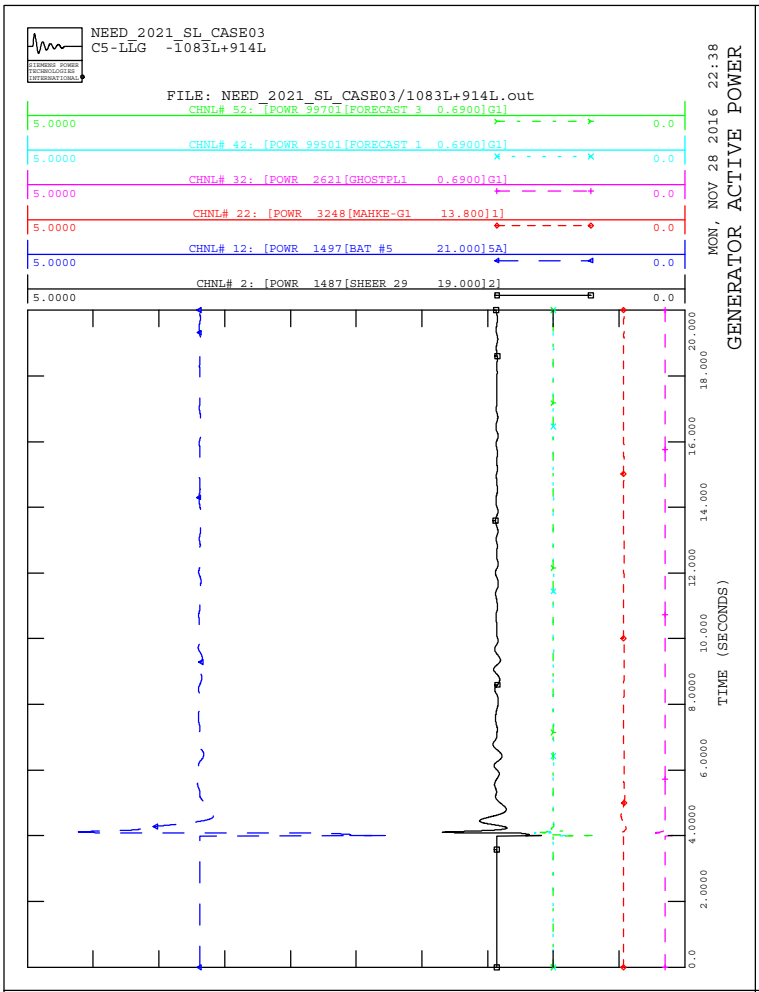
NEED_2021_SL_CASE03
C5-LLG -1083L+914L

FILE: NEED_2021_SL_CASE03/1083L+914L.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -1083L+914L
FILE: NEED_2021_SL_CASE03/1083L+914L.out
CHNL# 52: [POWR 9970I[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 9950I[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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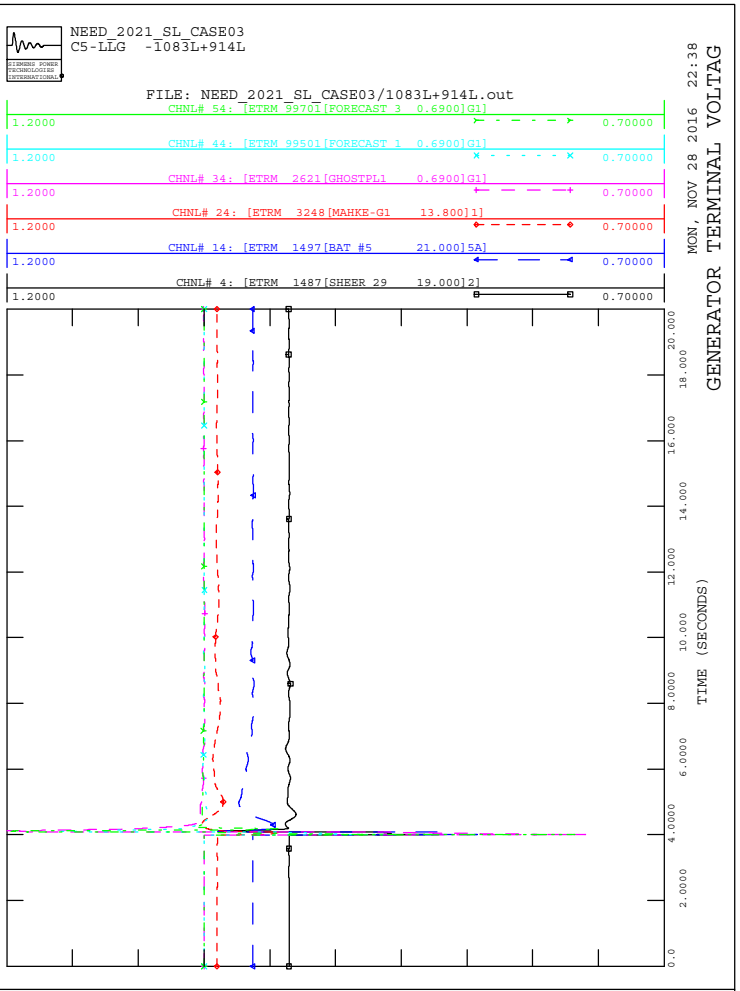
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER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C5-LLG -1083L+914L
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CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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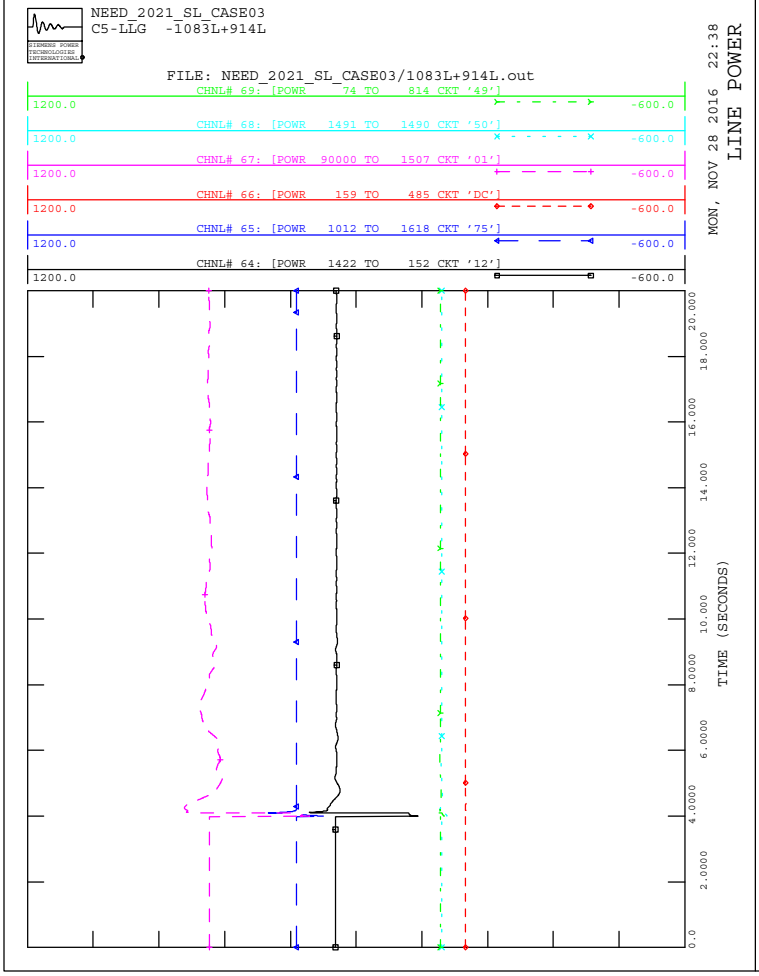
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -1083L+914L
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CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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14.000
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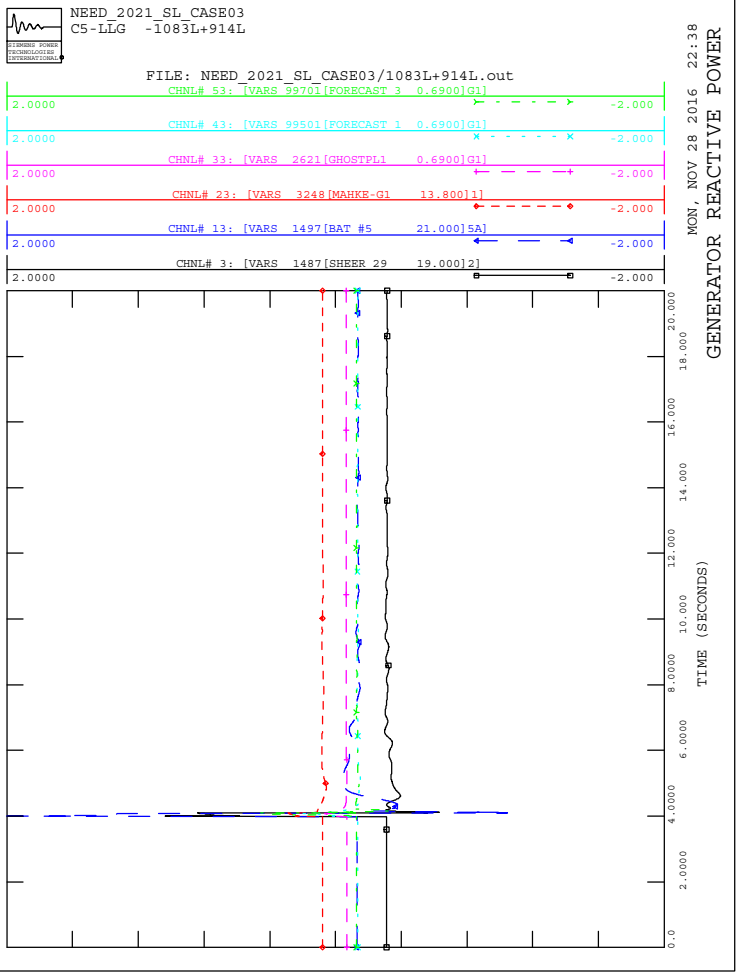
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER

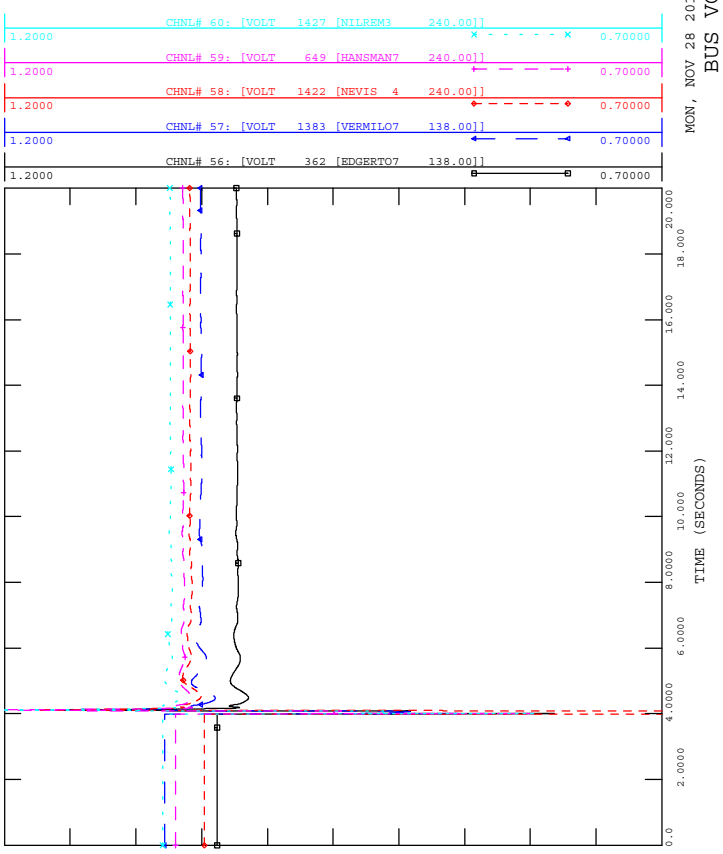

NEED_2021_SL_CASE03
C5-LLG -1083L+914L
FILE: NEED_2021_SL_CASE03/1083L+914L.out
CHNL# 53: [VARS 9970I[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 9950I[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -901L+912L

FILE: NEED_2021_SL_CASE03/901L+912L.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

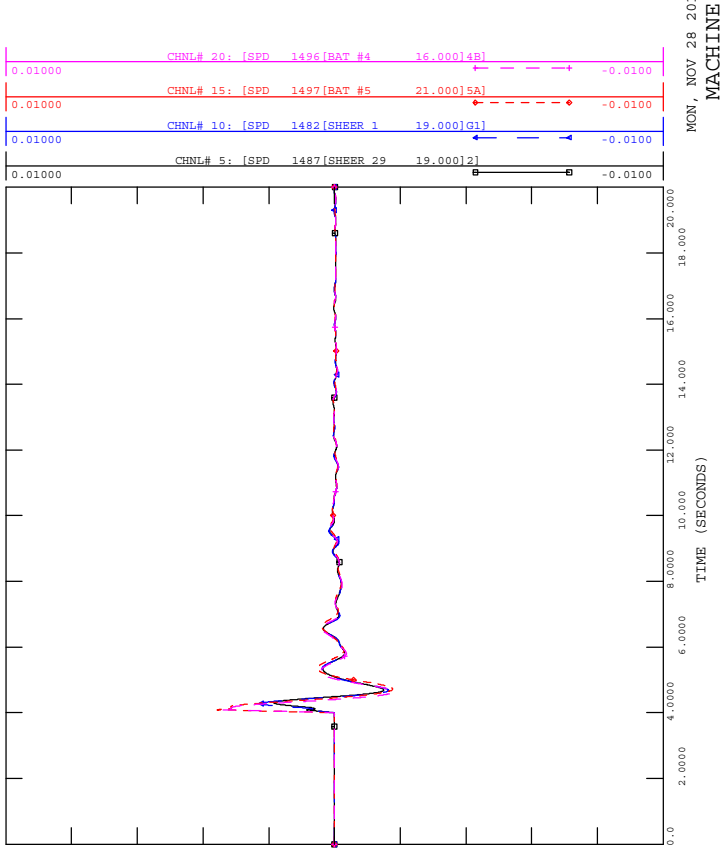


NEED_2021_SL_CASE03
C5-LLG -901L+912L

FILE: NEED_2021_SL_CASE03/901L+912L.out

MON, NOV 28 2016 22:38

MACHINE SPEED

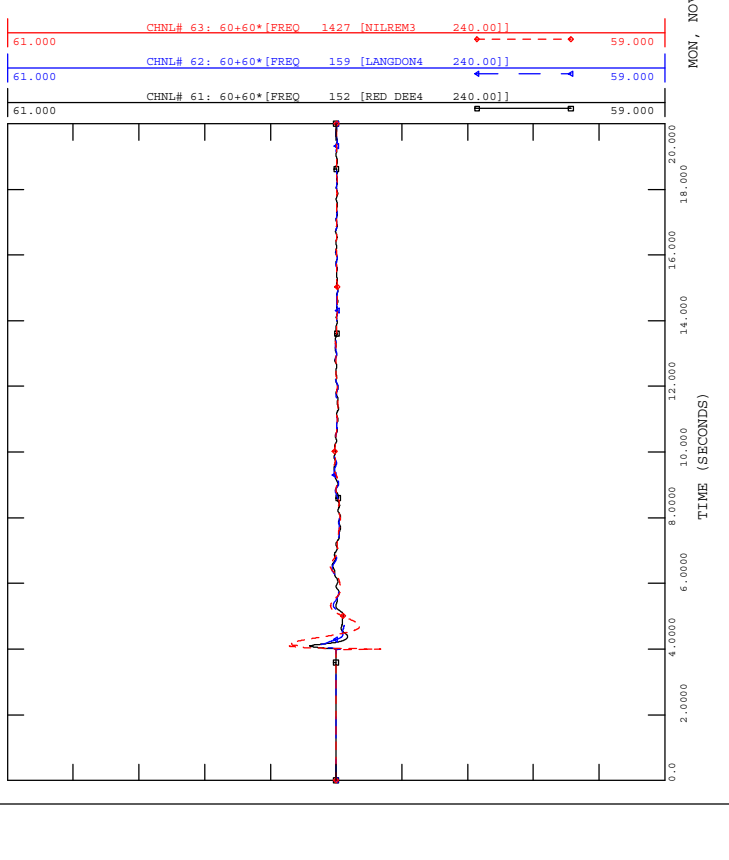


NEED_2021_SL_CASE03
C5-LLG -901L+912L

FILE: NEED_2021_SL_CASE03/901L+912L.out

MON, NOV 28 2016 22:38

FREQUENCY

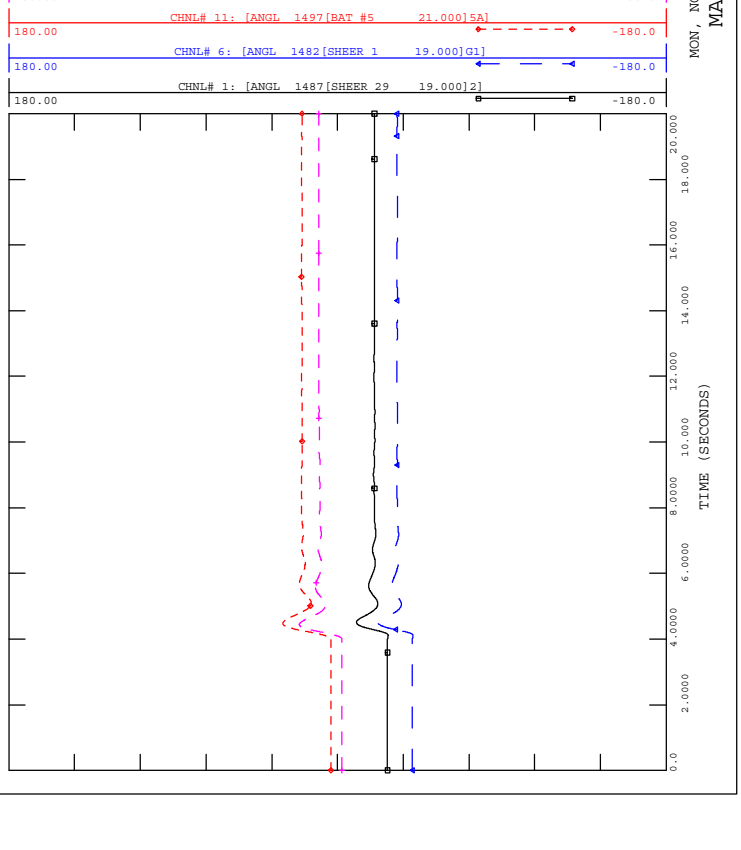


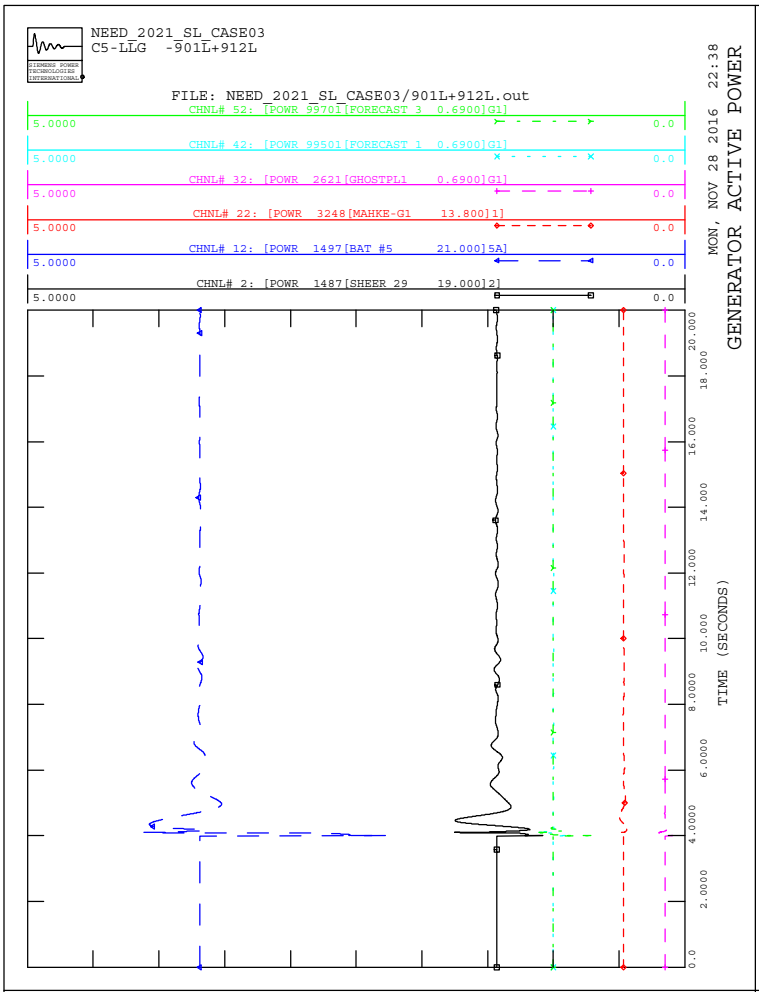
NEED_2021_SL_CASE03
C5-LLG -901L+912L

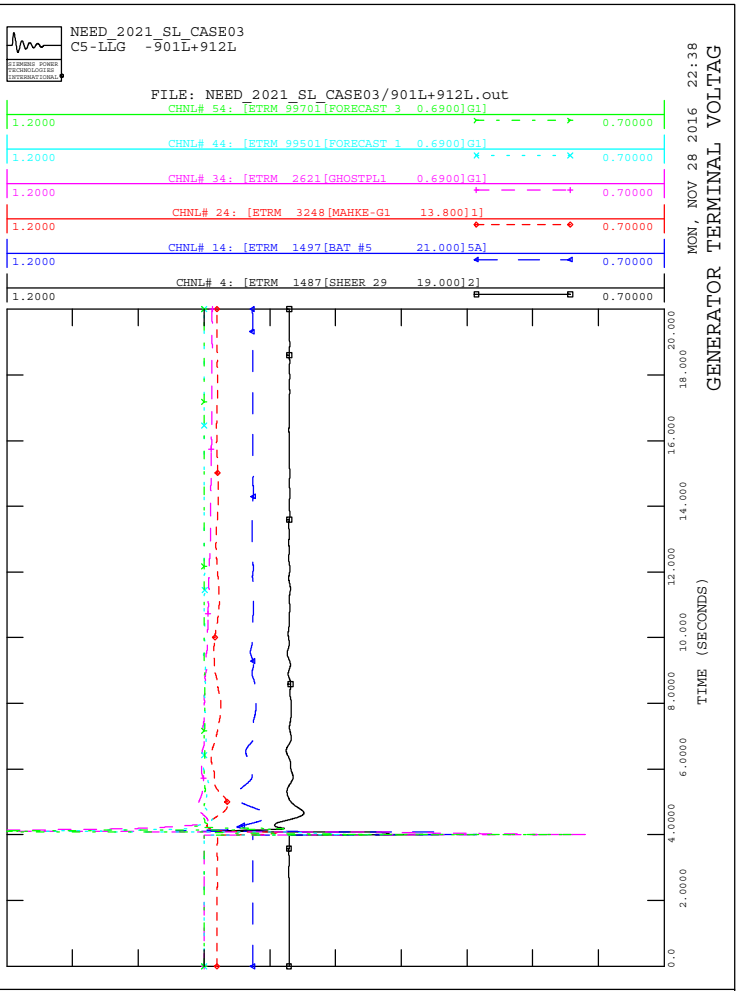
FILE: NEED_2021_SL_CASE03/901L+912L.out

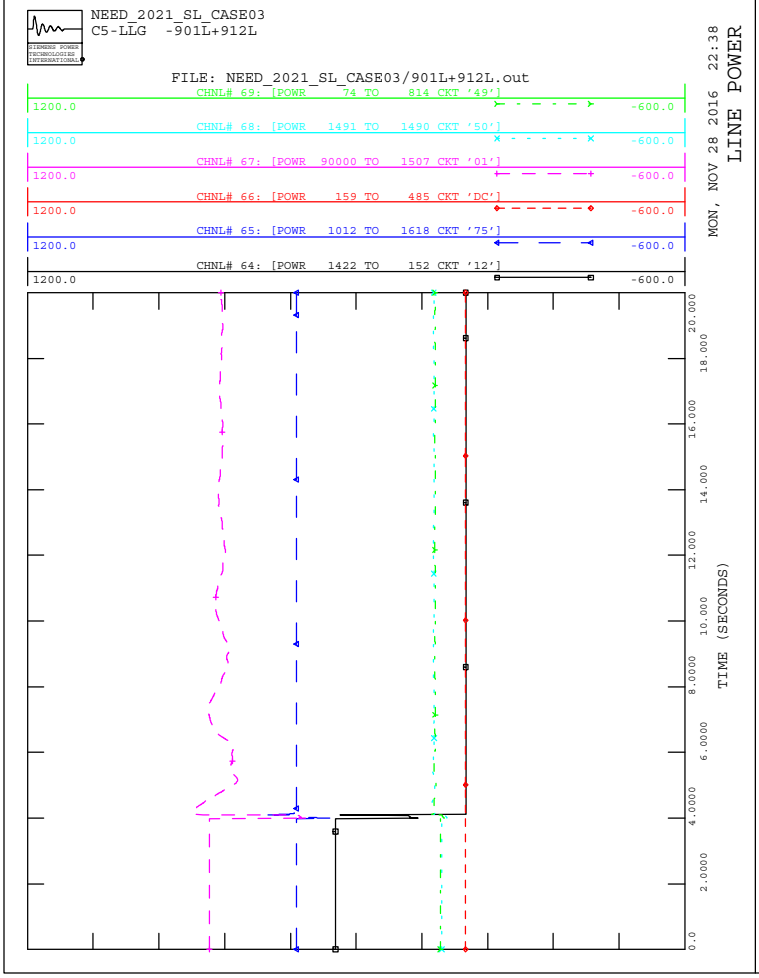
MON, NOV 28 2016 22:38

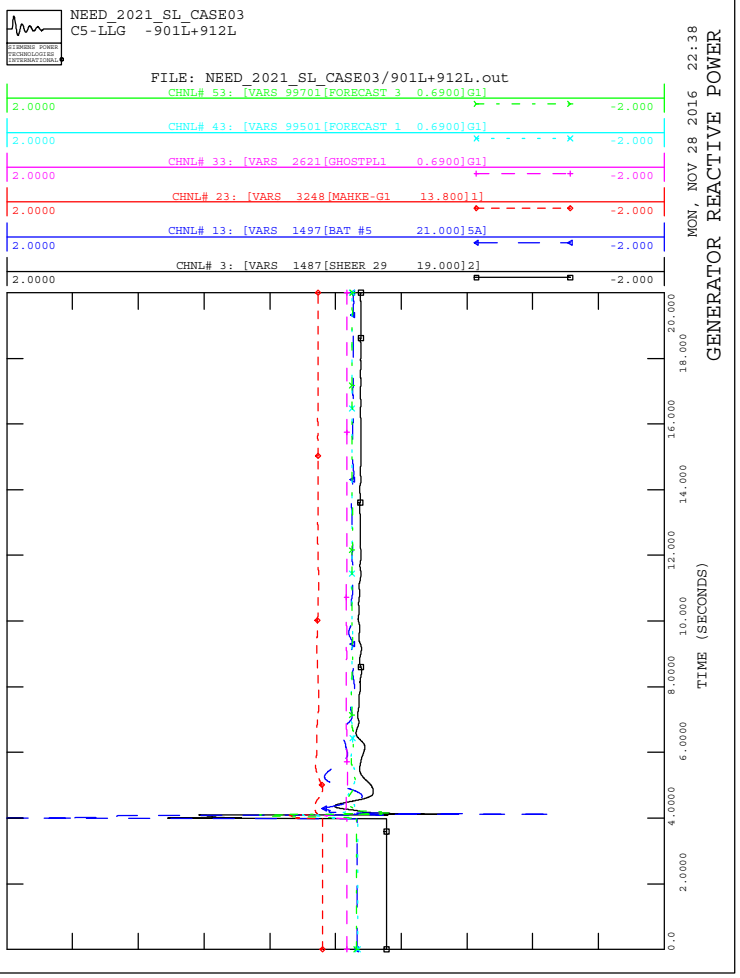
MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -901L+912L
FILE: NEED_2021_SL_CASE03/901L+912L.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -901L+912L
FILE: NEED_2021_SL_CASE03/901L+912L.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -901L+912L
FILE: NEED_2021_SL_CASE03/901L+912L.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER

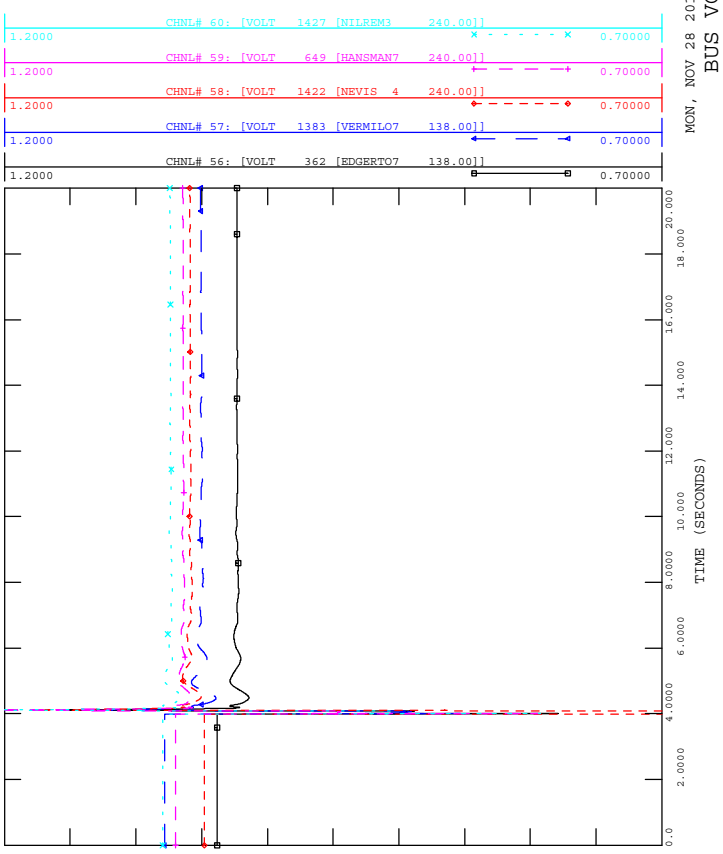

NEED_2021_SL_CASE03
C5-LLG -901L+912L
FILE: NEED_2021_SL_CASE03/901L+912L.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -912L+914L

FILE: NEED_2021_SL_CASE03/912L+914L.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

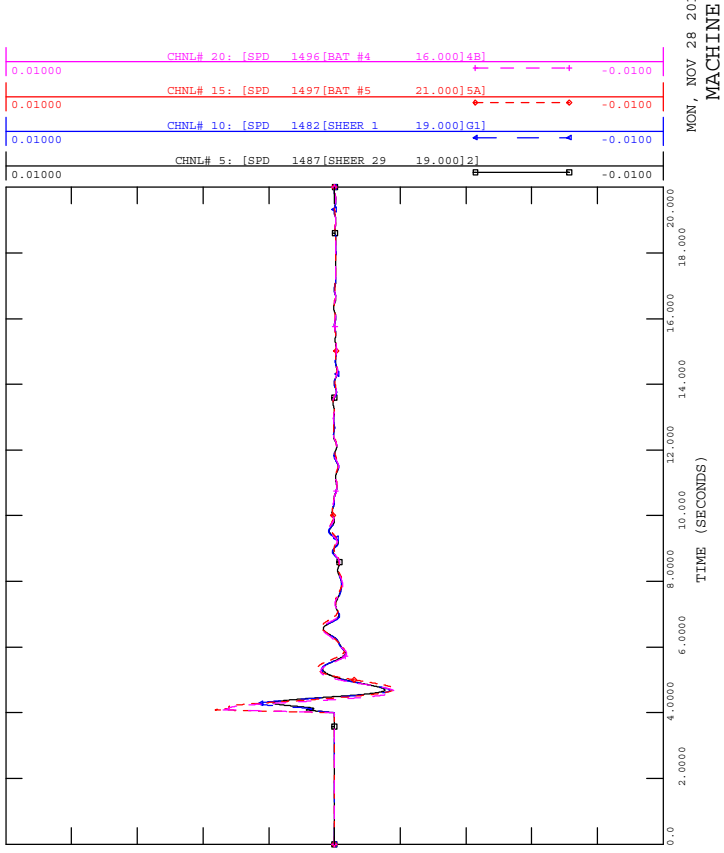


NEED_2021_SL_CASE03
C5-LLG -912L+914L

FILE: NEED_2021_SL_CASE03/912L+914L.out

MON, NOV 28 2016 22:38

MACHINE SPEED

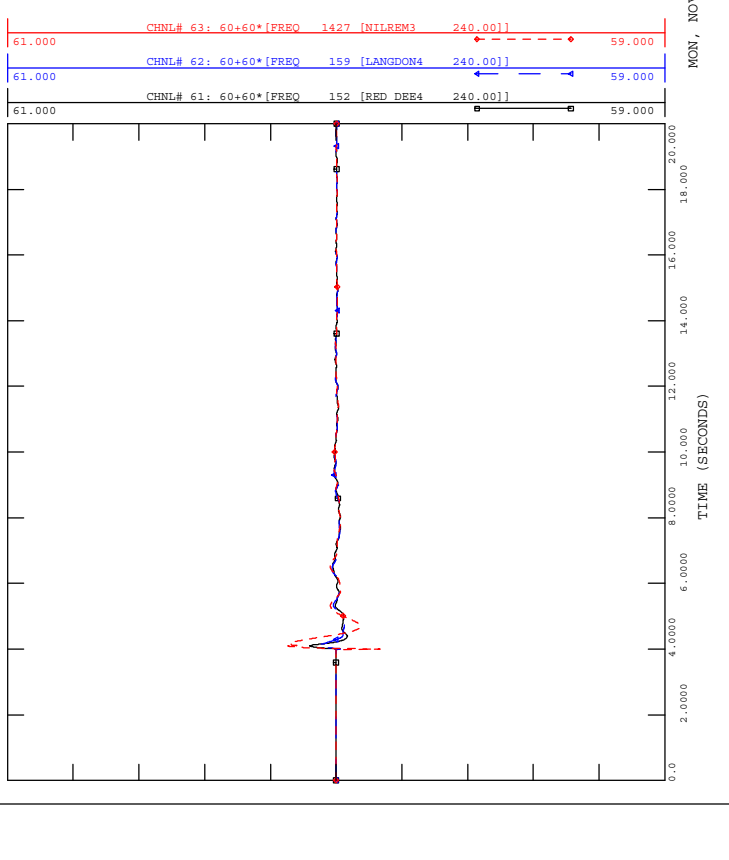


NEED_2021_SL_CASE03
C5-LLG -912L+914L

FILE: NEED_2021_SL_CASE03/912L+914L.out

MON, NOV 28 2016 22:38

FREQUENCY

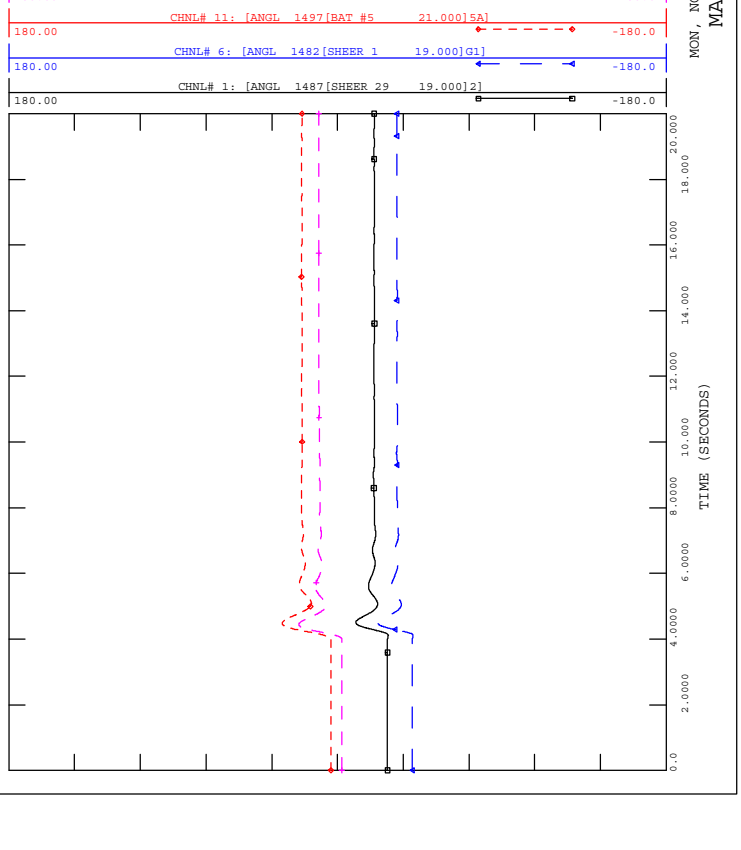


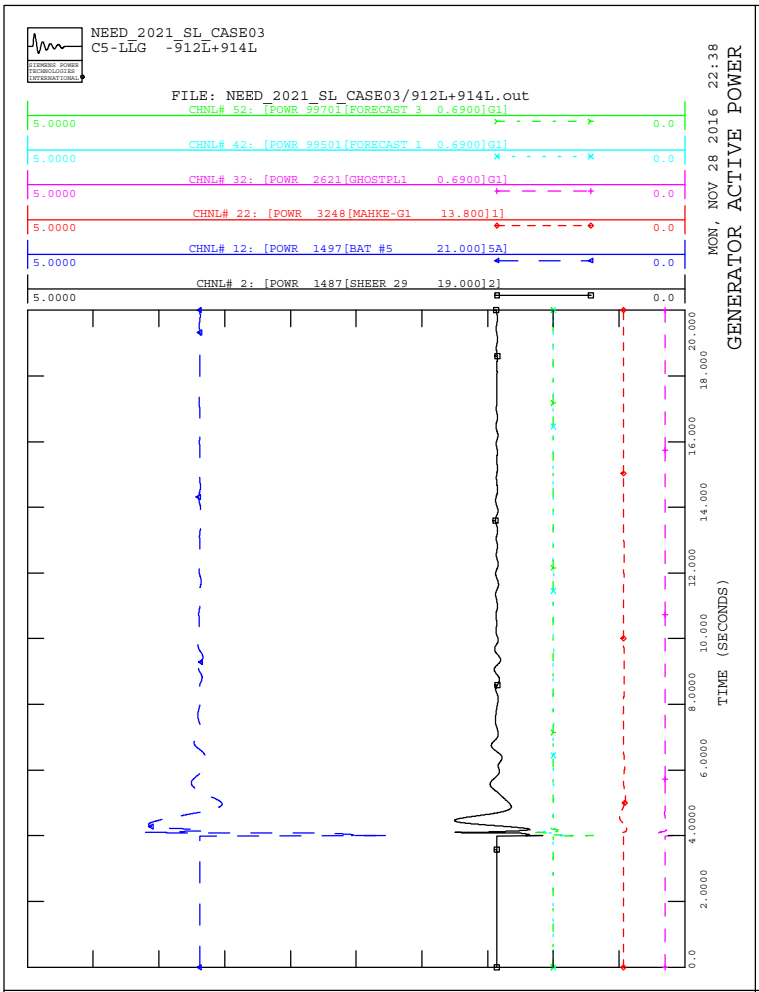
NEED_2021_SL_CASE03
C5-LLG -912L+914L

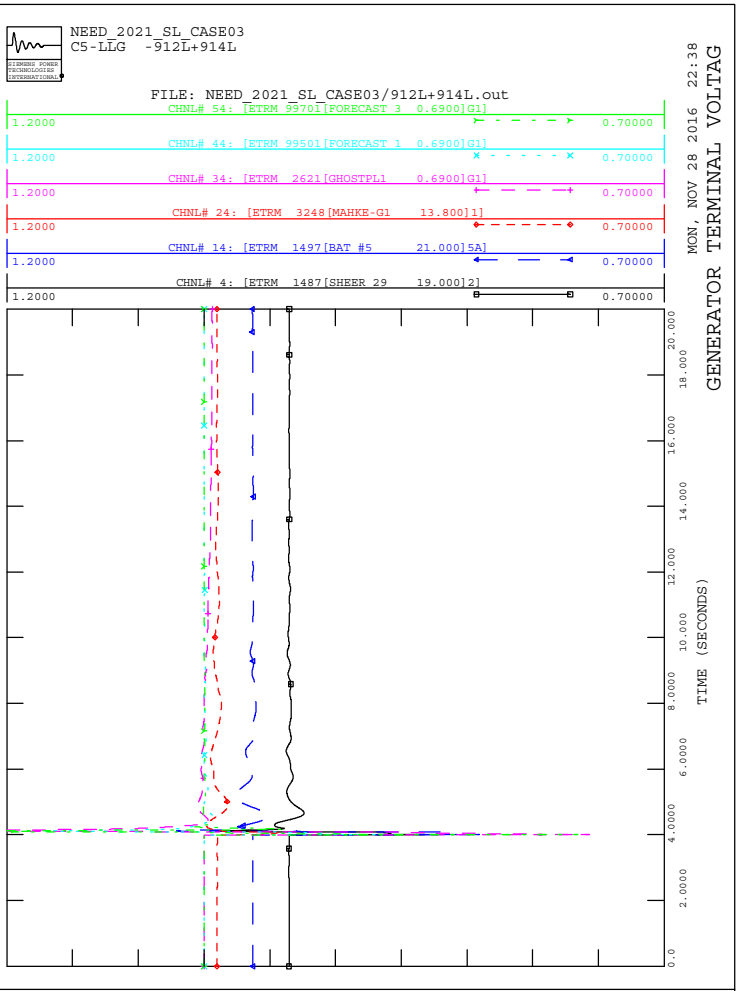
FILE: NEED_2021_SL_CASE03/912L+914L.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -912L+914L
FILE: NEED_2021_SL_CASE03/912L+914L.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -912L+914L
FILE: NEED_2021_SL_CASE03/912L+914L.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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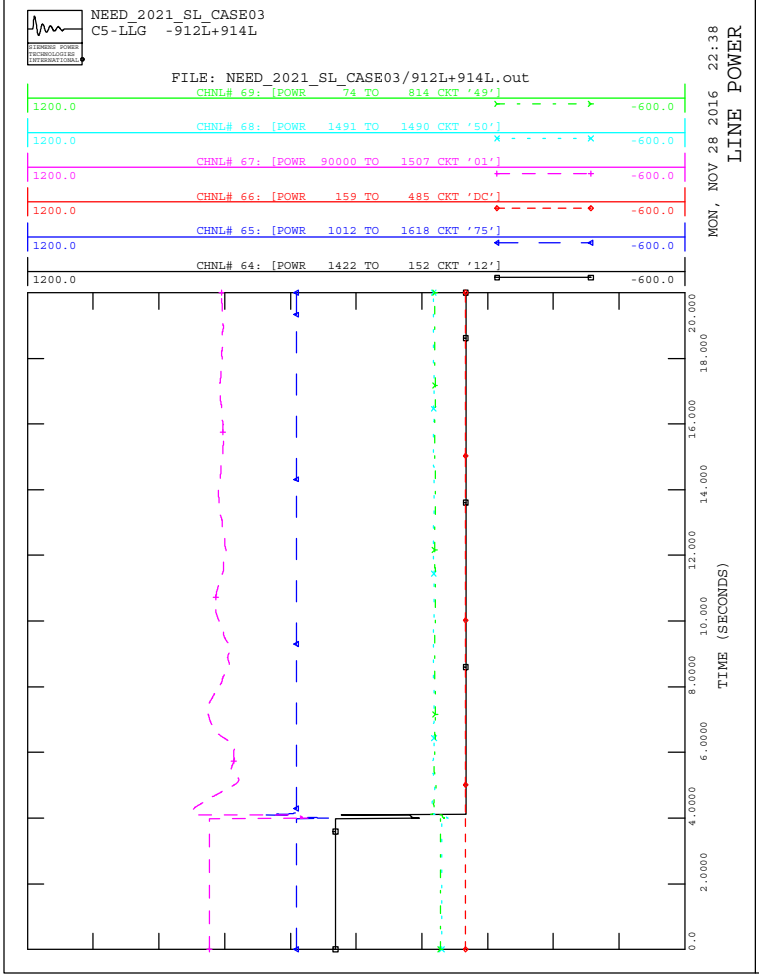
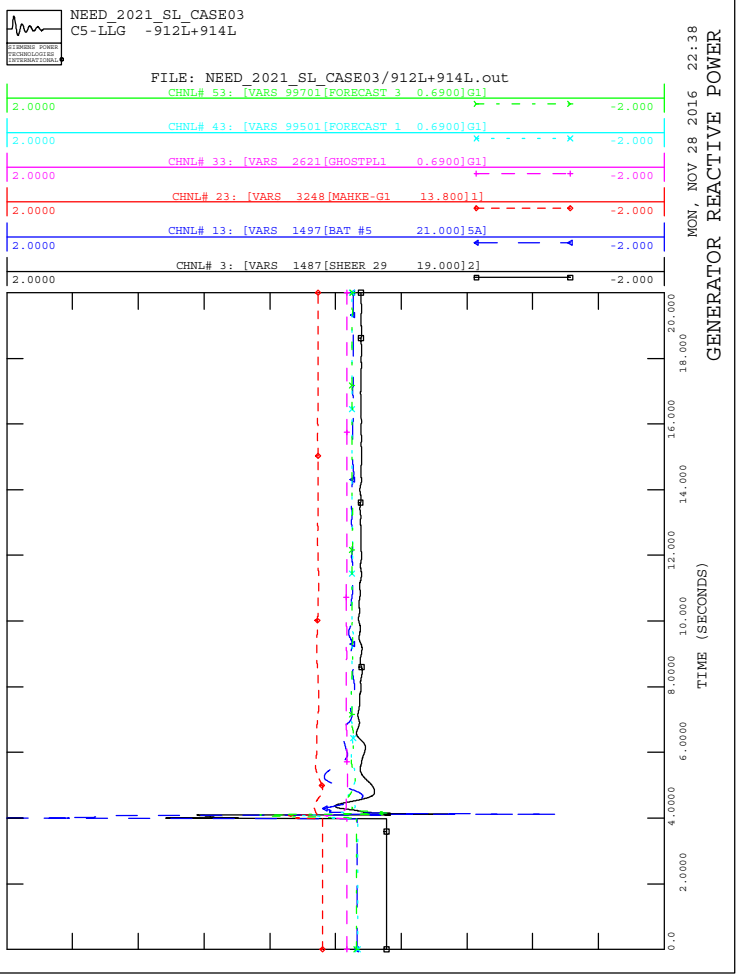
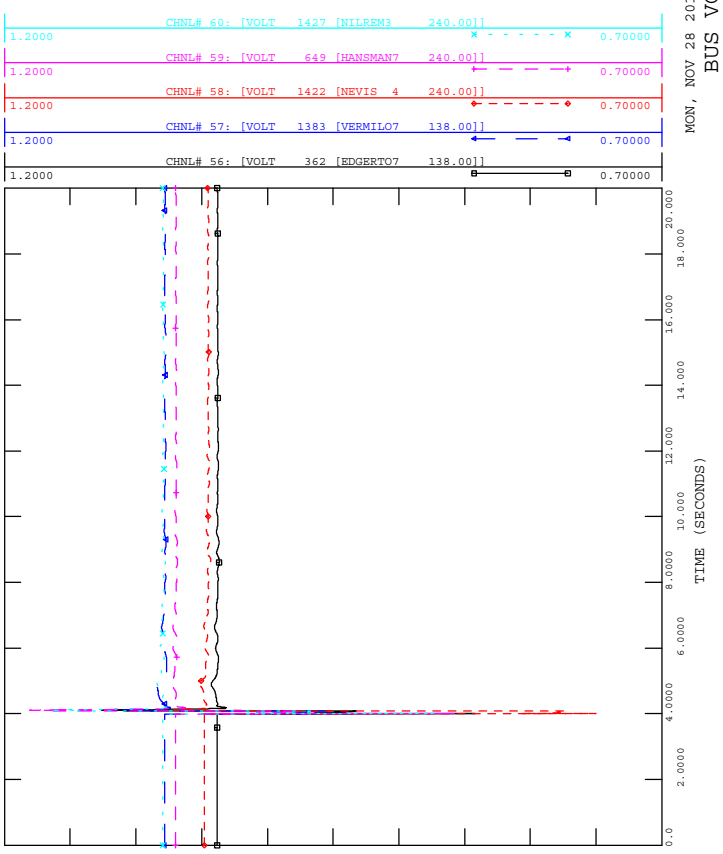
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -912L+914L
FILE: NEED_2021_SL_CASE03/912L+914L.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -912L+914L
FILE: NEED_2021_SL_CASE03/912L+914L.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -929L+925L

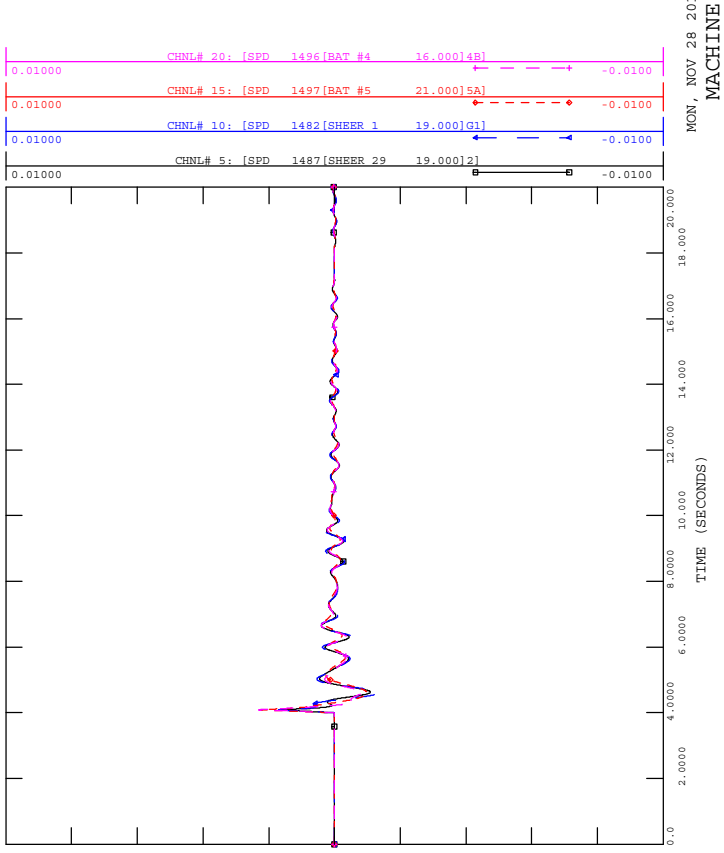
FILE: NEED_2021_SL_CASE03/929L+925L.out



MON, NOV 28 2016 22:38
BUS VOLTAGE

NEED_2021_SL_CASE03
C5-LLG -929L+925L

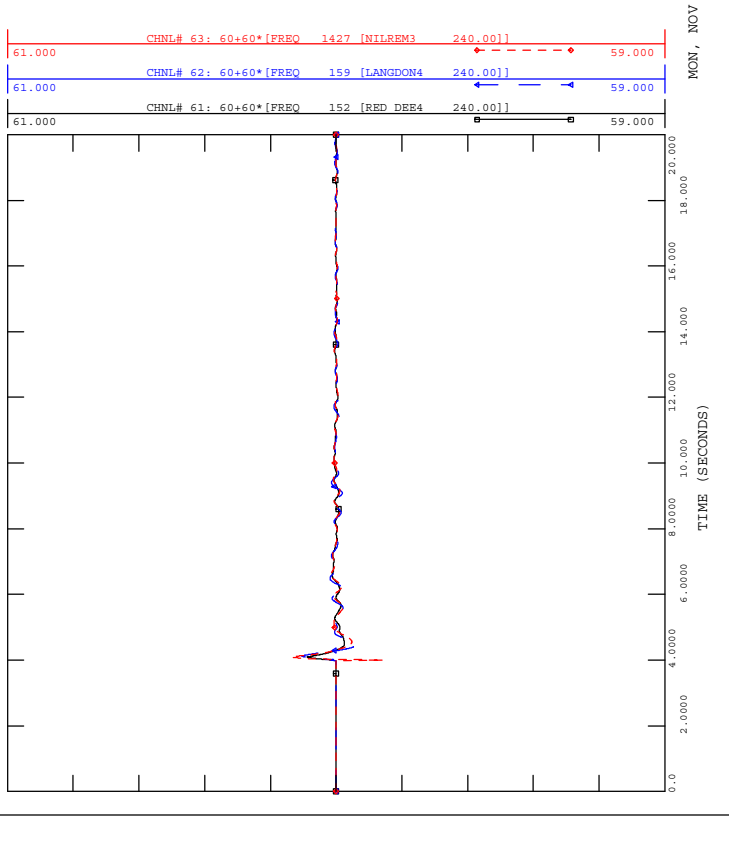
FILE: NEED_2021_SL_CASE03/929L+925L.out



MON, NOV 28 2016 22:38
MACHINE SPEED

NEED_2021_SL_CASE03
C5-LLG -929L+925L

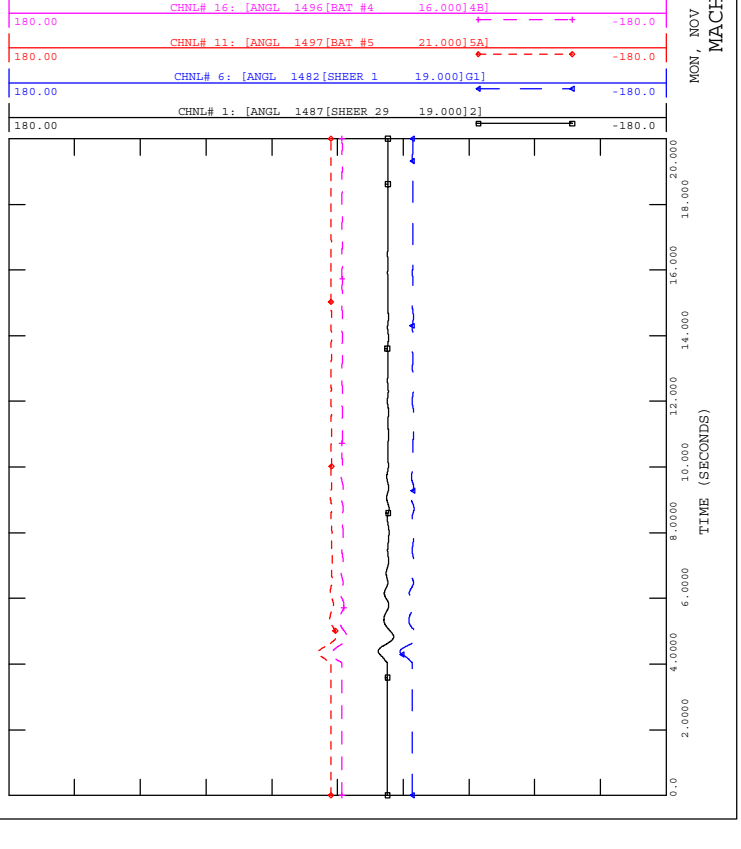
FILE: NEED_2021_SL_CASE03/929L+925L.out



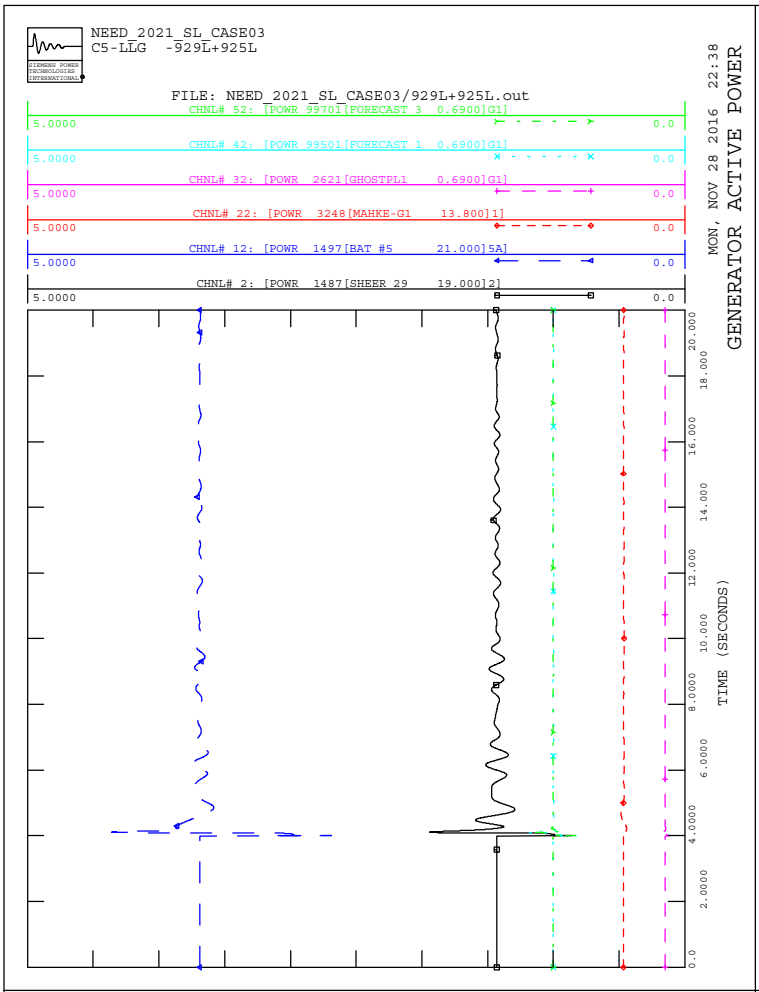
MON, NOV 28 2016 22:38
FREQUENCY

NEED_2021_SL_CASE03
C5-LLG -929L+925L

FILE: NEED_2021_SL_CASE03/929L+925L.out



MON, NOV 28 2016 22:38
MACHINE ANGEL


NEED_2021_SL_CASE03
C5-LLG -929L+925L
FILE: NEED_2021_SL_CASE03/929L+925L.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
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14.000
16.000
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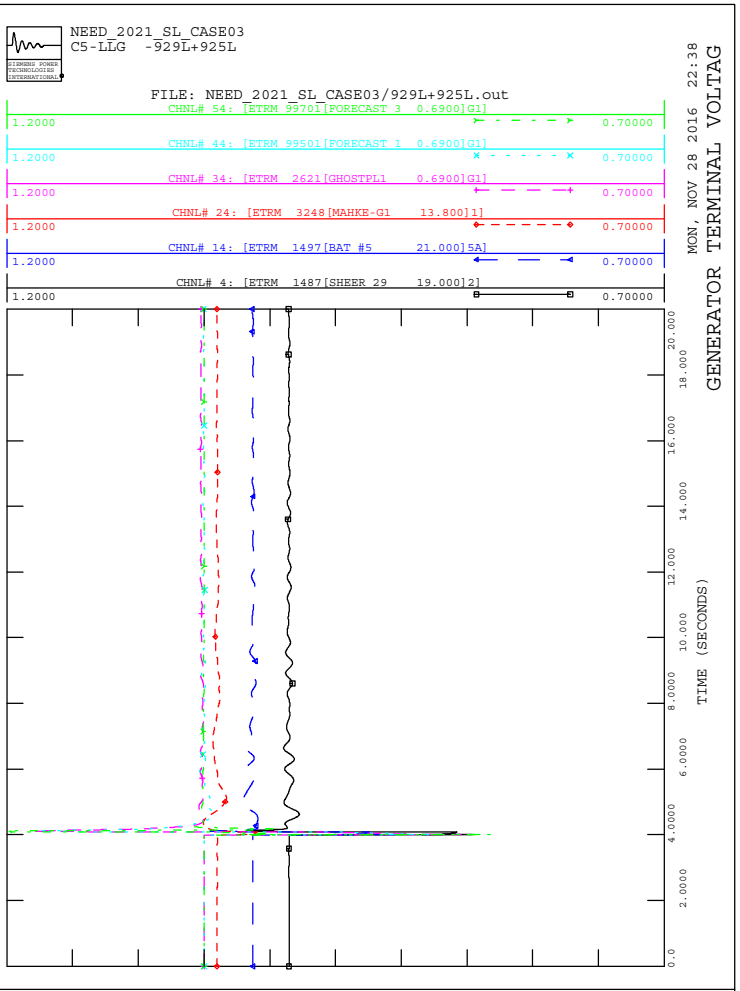
20.000
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -929L+925L
FILE: NEED_2021_SL_CASE03/929L+925L.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
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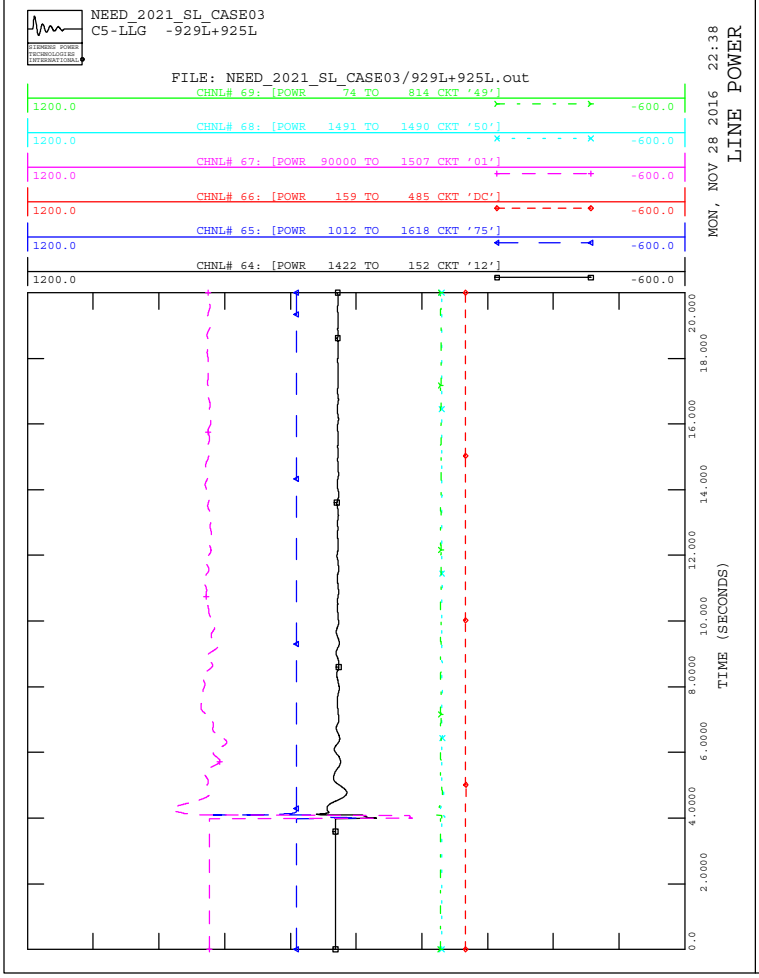
20.000
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -929L+925L
FILE: NEED_2021_SL_CASE03/929L+925L.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
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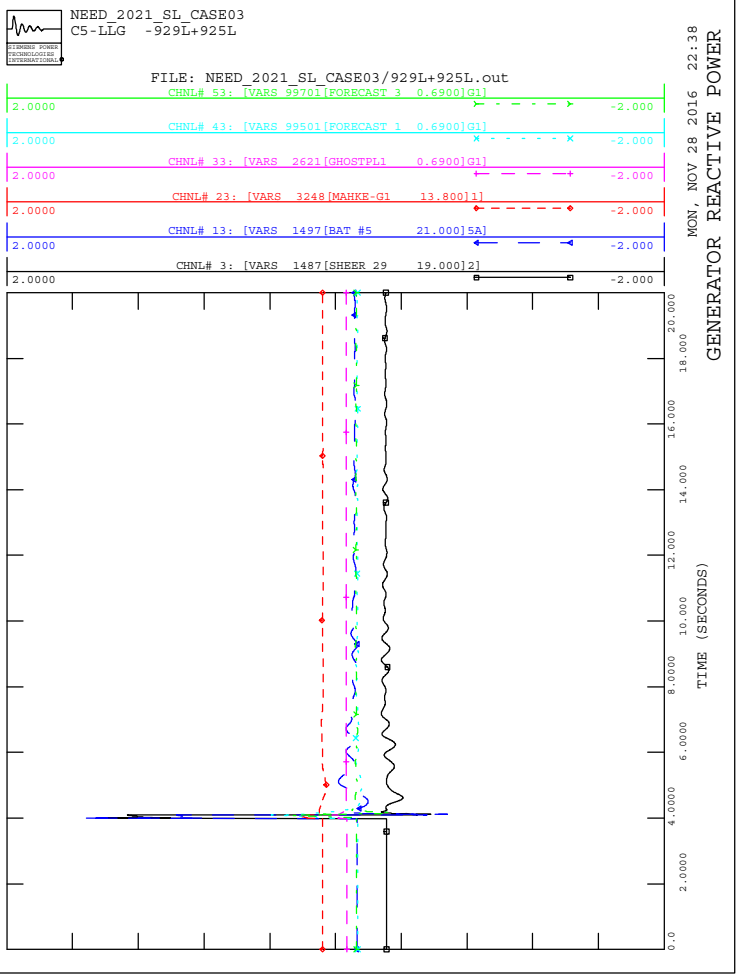
14.000
16.000
18.000
20.000
MON, NOV 28 2016 22:38
LINE POWER

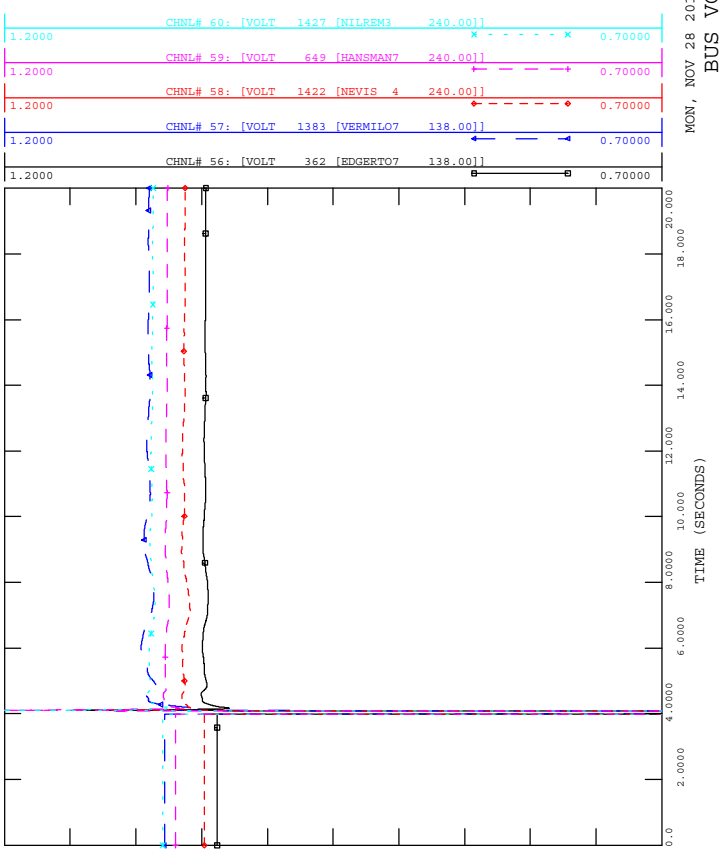

NEED_2021_SL_CASE03
C5-LLG -929L+925L
FILE: NEED_2021_SL_CASE03/929L+925L.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -9L80+9L79

FILE: NEED_2021_SL_CASE03/9L80+9L79.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

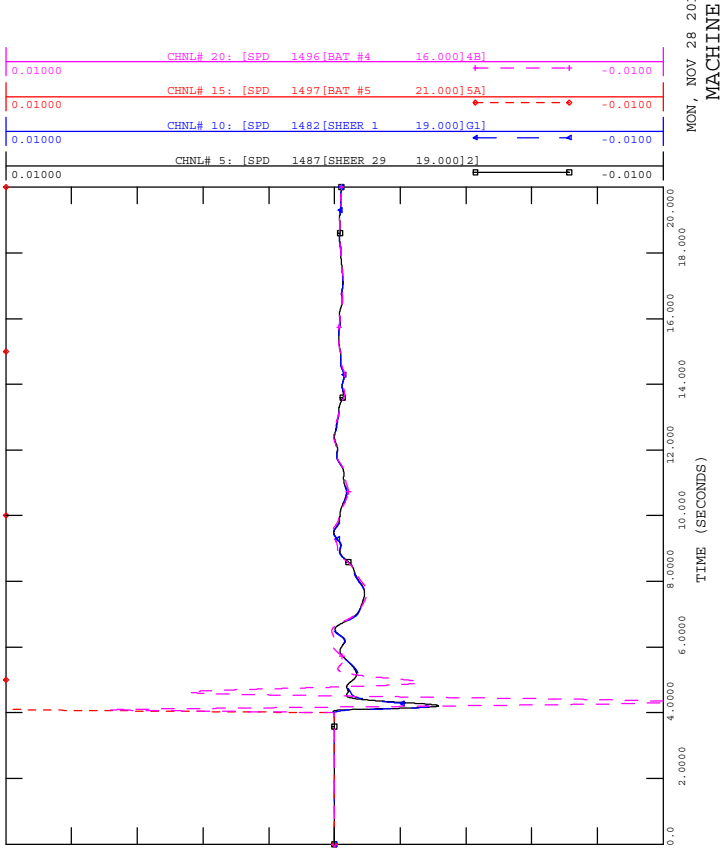


NEED_2021_SL_CASE03
C5-LLG -9L80+9L79

FILE: NEED_2021_SL_CASE03/9L80+9L79.out

MON, NOV 28 2016 22:38

MACHINE SPEED

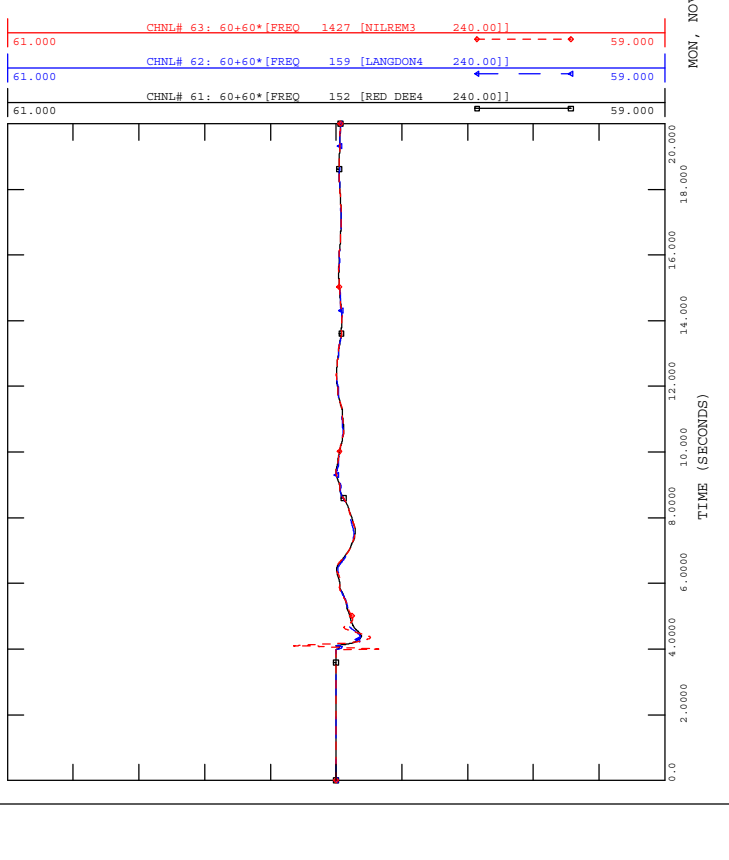


NEED_2021_SL_CASE03
C5-LLG -9L80+9L79

FILE: NEED_2021_SL_CASE03/9L80+9L79.out

MON, NOV 28 2016 22:38

FREQUENCY

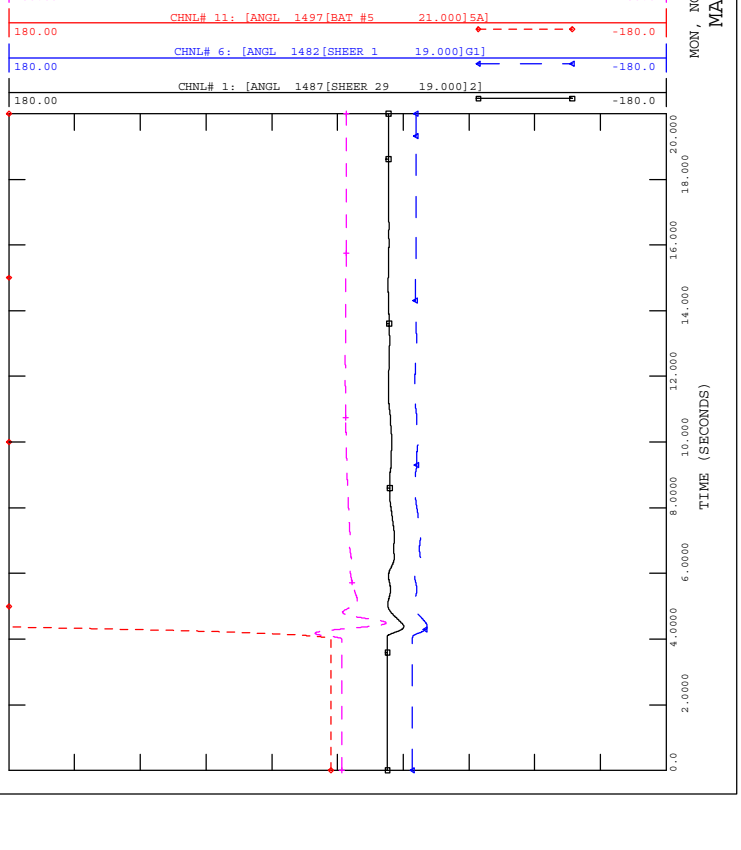


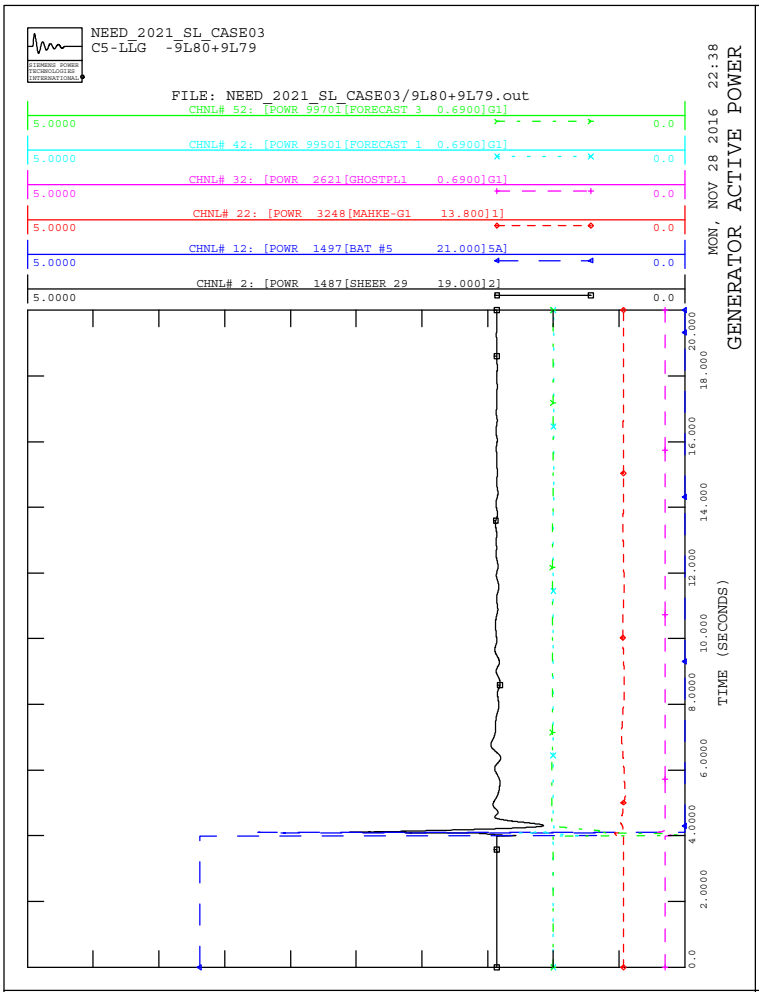
NEED_2021_SL_CASE03
C5-LLG -9L80+9L79

FILE: NEED_2021_SL_CASE03/9L80+9L79.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -9L80+9L79
FILE: NEED_2021_SL_CASE03/9L80+9L79.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
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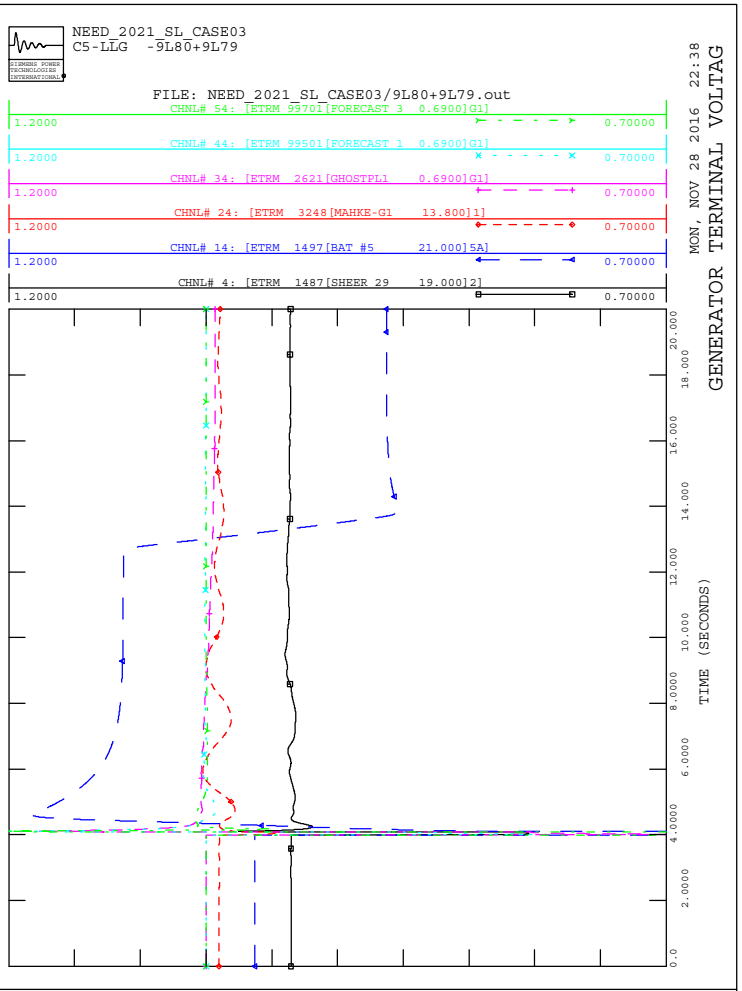
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER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C5-LLG -9L80+9L79
FILE: NEED_2021_SL_CASE03/9L80+9L79.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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0.0
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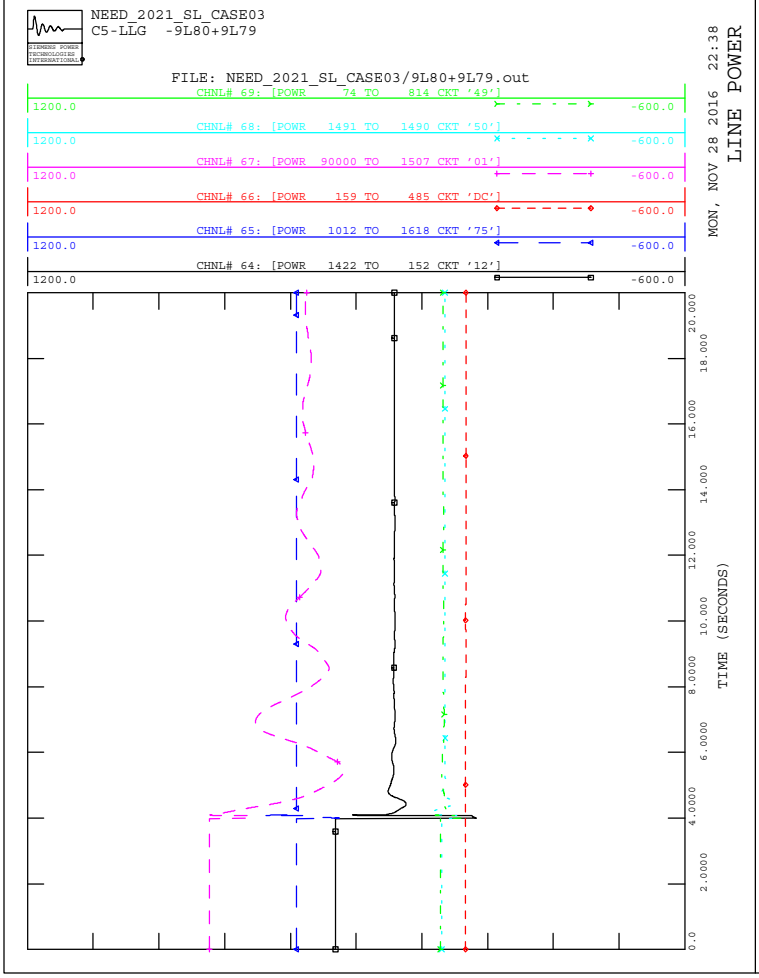
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -9L80+9L79
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CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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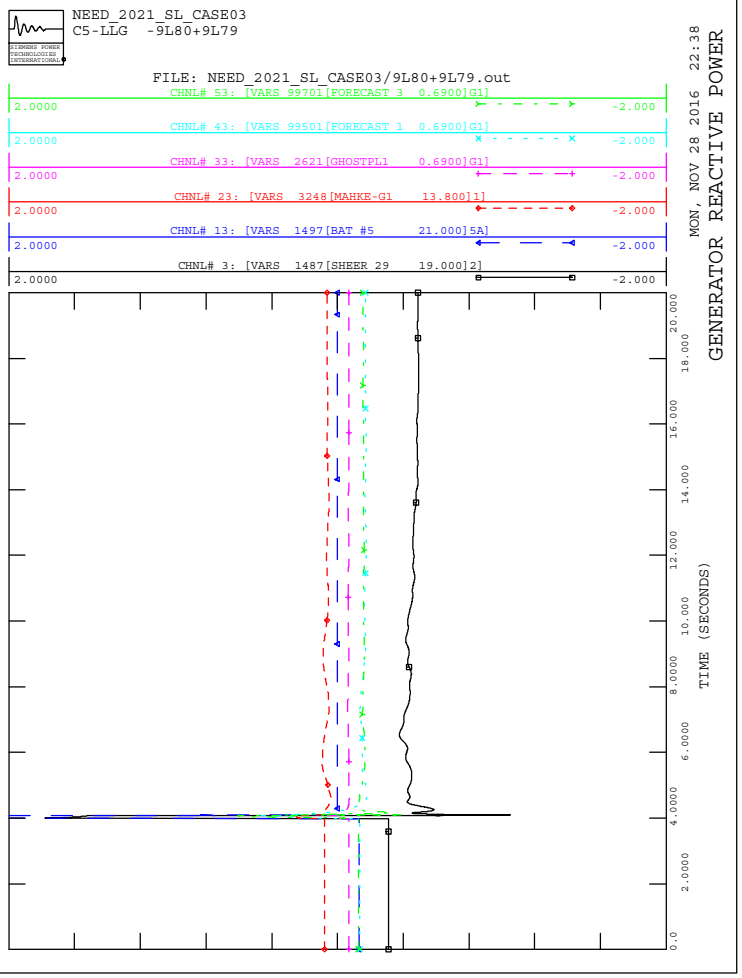
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -9L80+9L79
FILE: NEED_2021_SL_CASE03/9L80+9L79.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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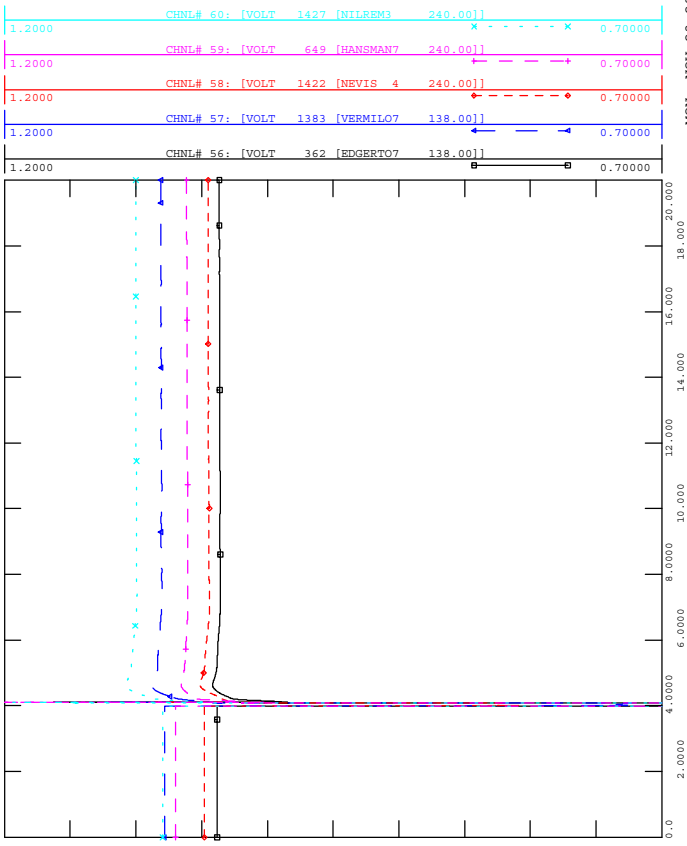
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -953L+1047L

FILE: NEED_2021_SL_CASE03/953L+1047L.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

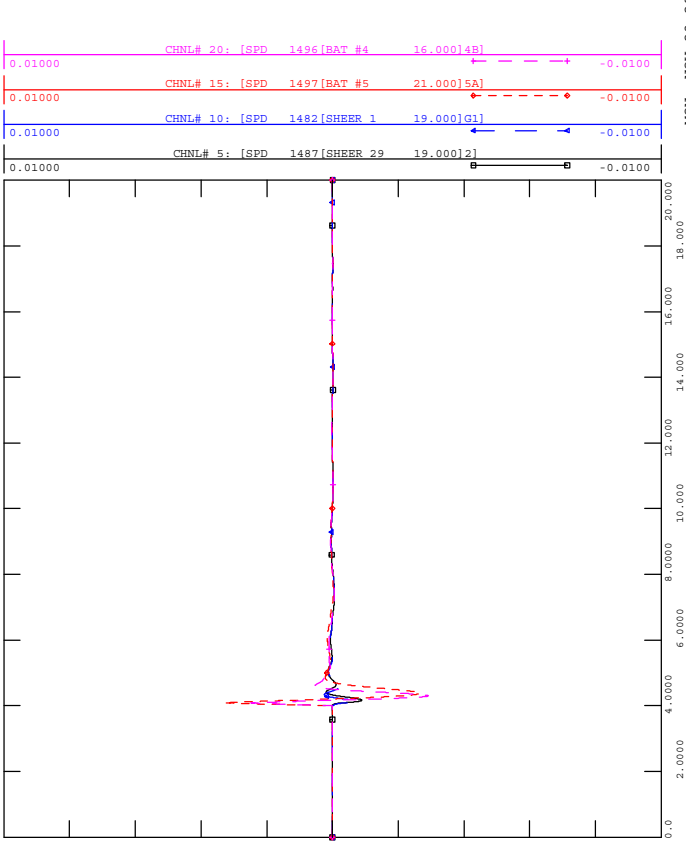


NEED_2021_SL_CASE03
C5-LLG -953L+1047L

FILE: NEED_2021_SL_CASE03/953L+1047L.out

MON, NOV 28 2016 22:38

MACHINE SPEED

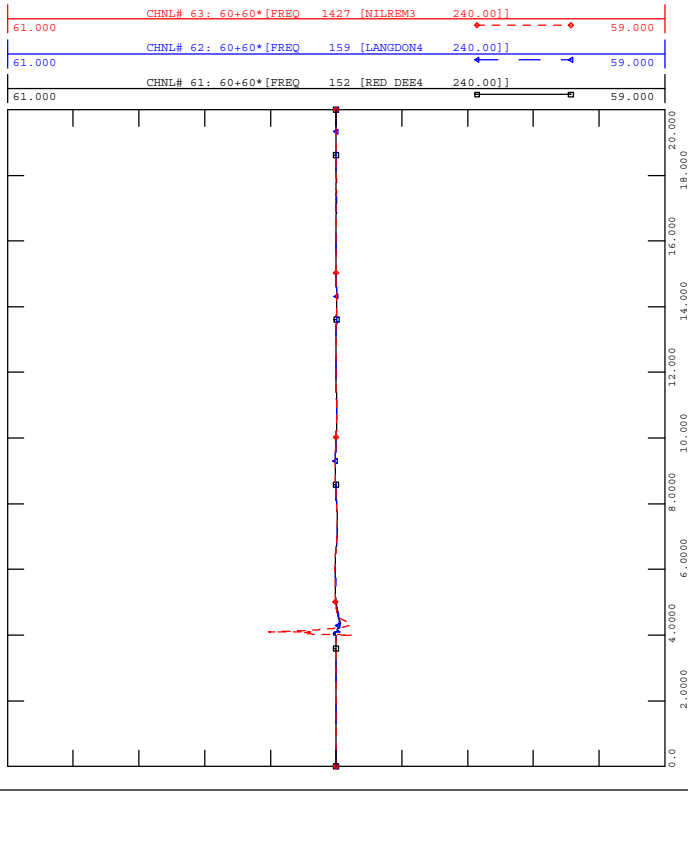


NEED_2021_SL_CASE03
C5-LLG -953L+1047L

FILE: NEED_2021_SL_CASE03/953L+1047L.out

MON, NOV 28 2016 22:38

FREQUENCY

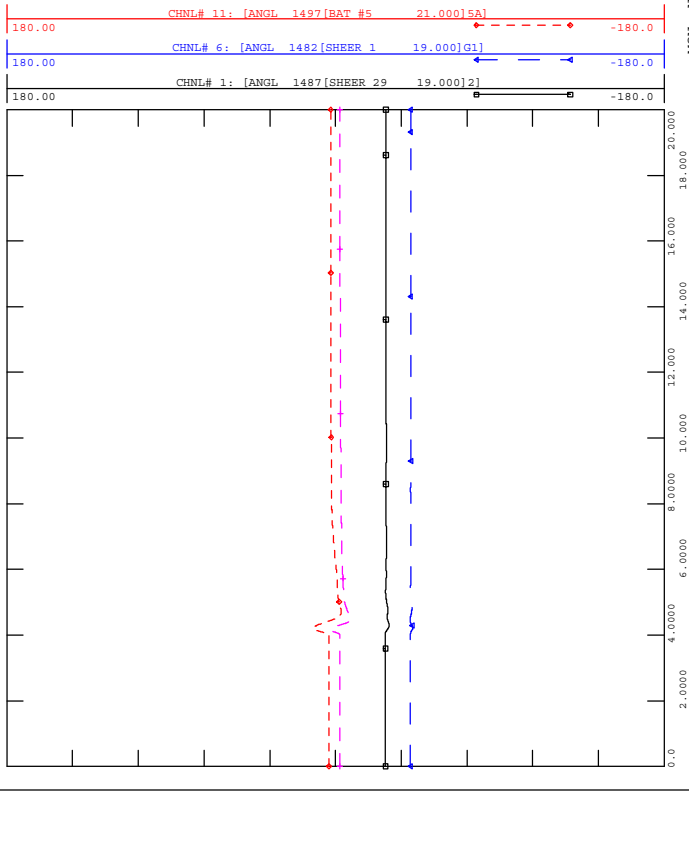


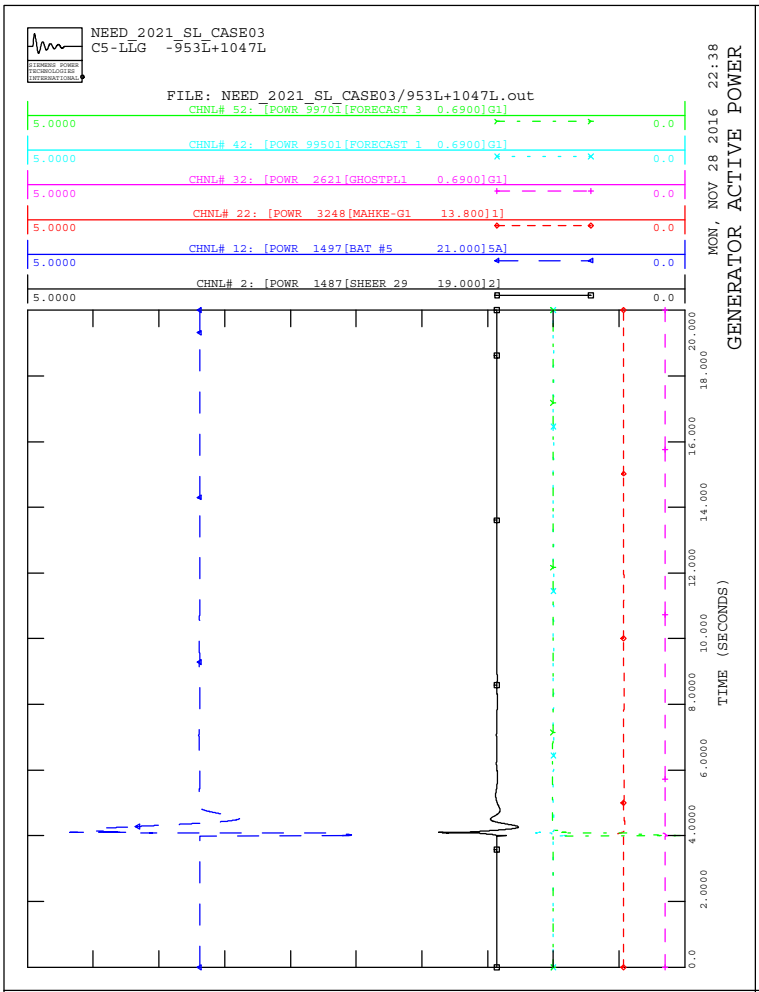
NEED_2021_SL_CASE03
C5-LLG -953L+1047L

FILE: NEED_2021_SL_CASE03/953L+1047L.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -953L+1047L
FILE: NEED_2021_SL_CASE03/953L+1047L.out
CHNL# 52: [POWR 9970I[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 9950I[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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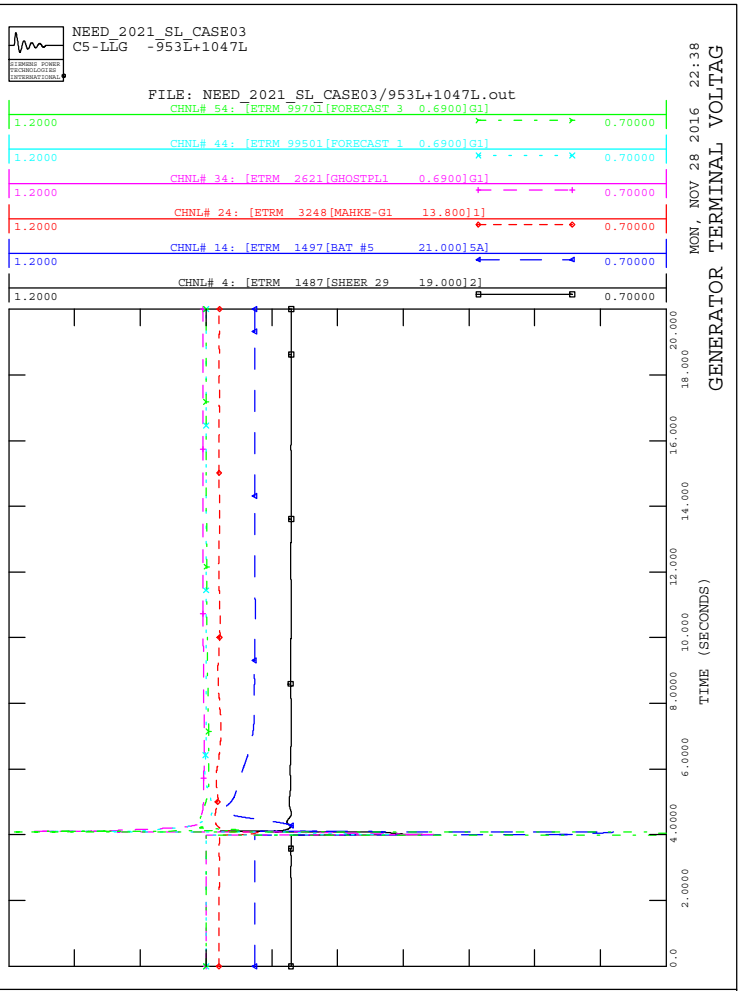
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -953L+1047L
FILE: NEED_2021_SL_CASE03/953L+1047L.out
CHNL# 54: [ETRM 9970I[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 9950I[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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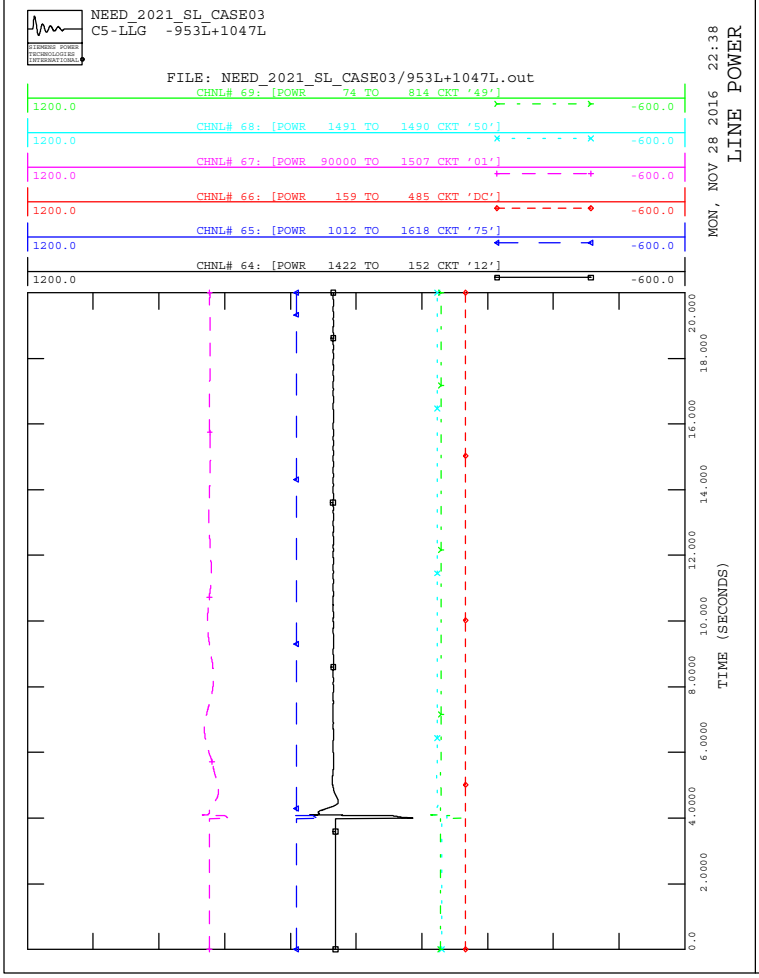
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -953L+1047L
FILE: NEED_2021_SL_CASE03/953L+1047L.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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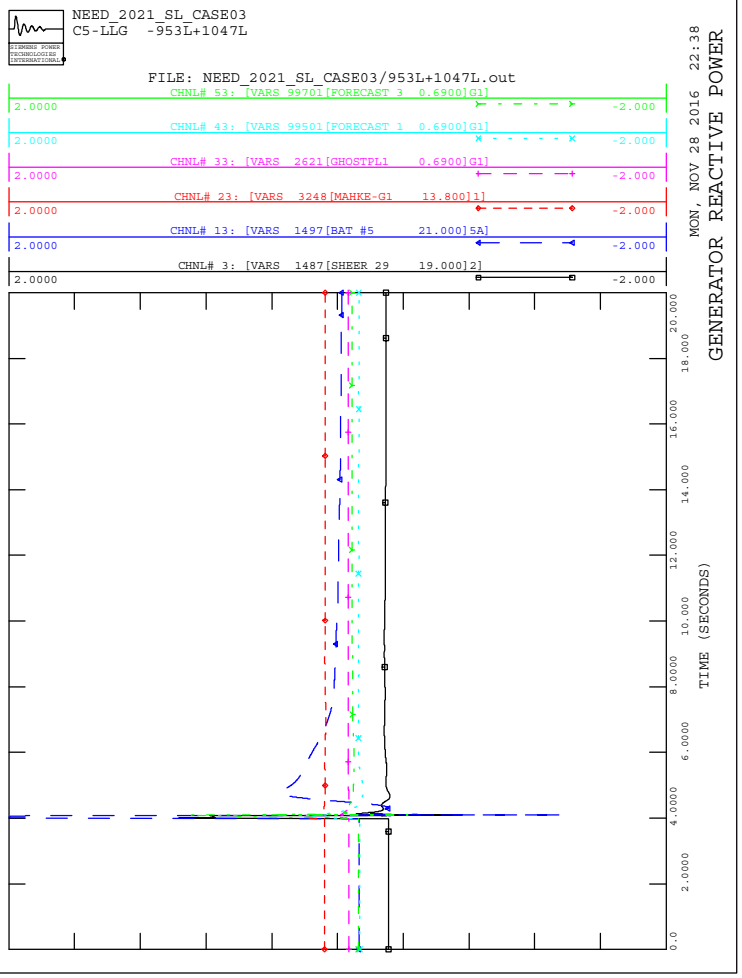
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -953L+1047L
FILE: NEED_2021_SL_CASE03/953L+1047L.out
CHNL# 53: [VARS 9970I[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 9950I[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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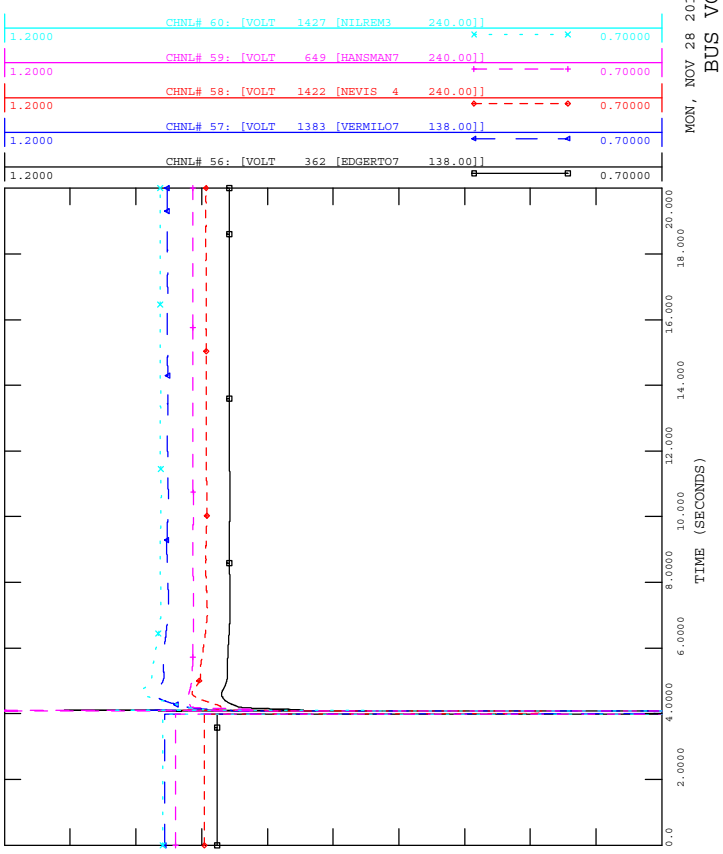
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -948L+1047L

FILE: NEED_2021_SL_CASE03/948L+1047L.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

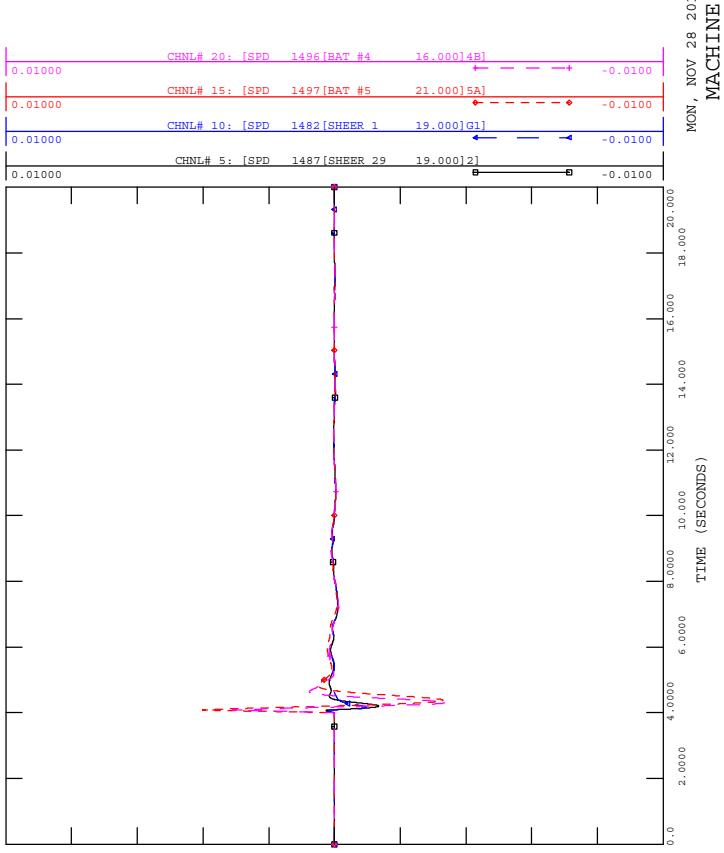


NEED_2021_SL_CASE03
C5-LLG -948L+1047L

FILE: NEED_2021_SL_CASE03/948L+1047L.out

MON, NOV 28 2016 22:38

MACHINE SPEED

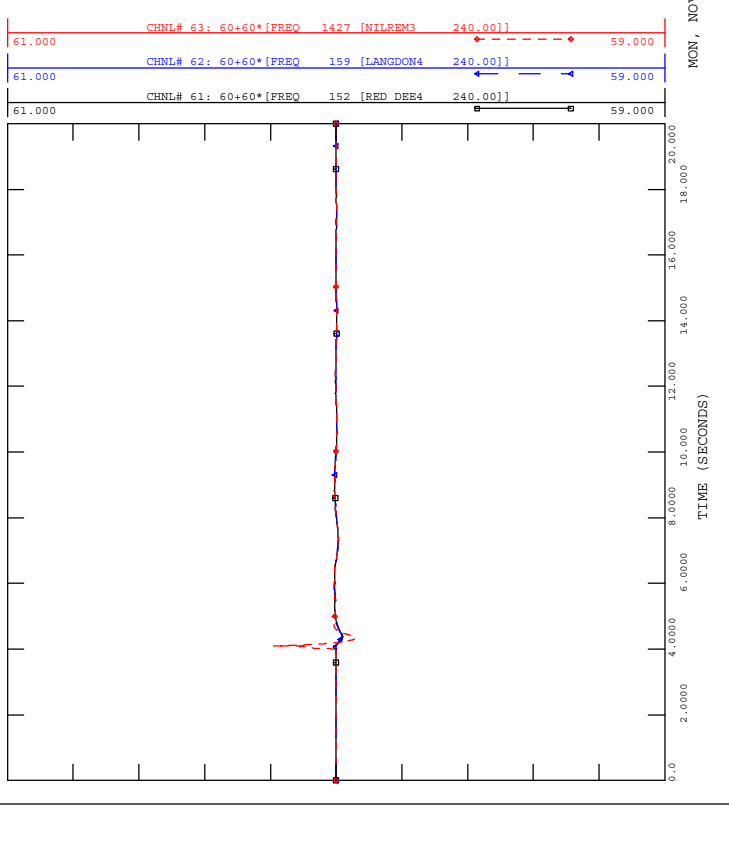


NEED_2021_SL_CASE03
C5-LLG -948L+1047L

FILE: NEED_2021_SL_CASE03/948L+1047L.out

MON, NOV 28 2016 22:38

FREQUENCY

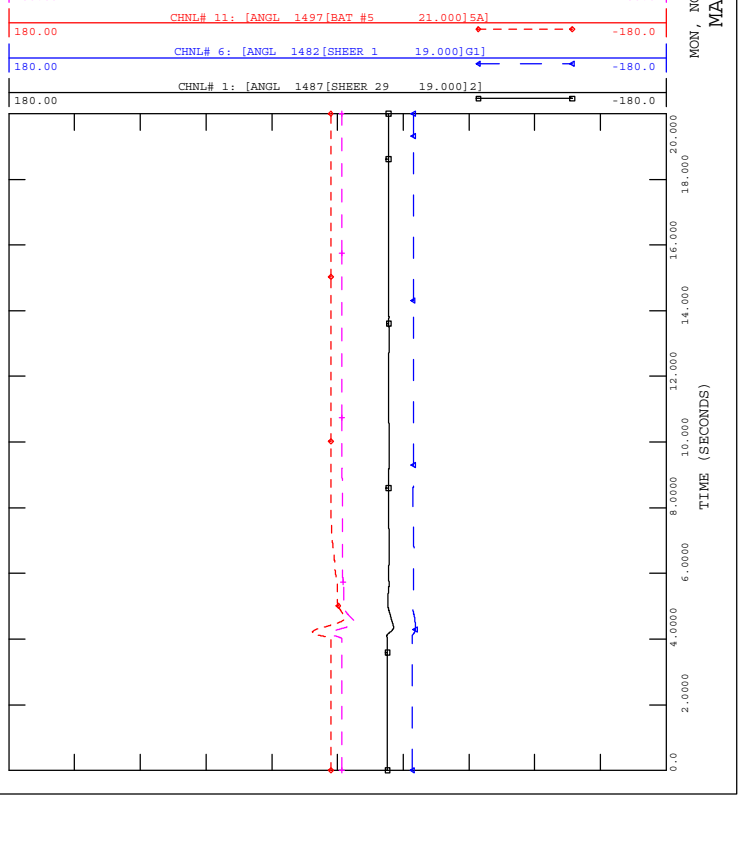


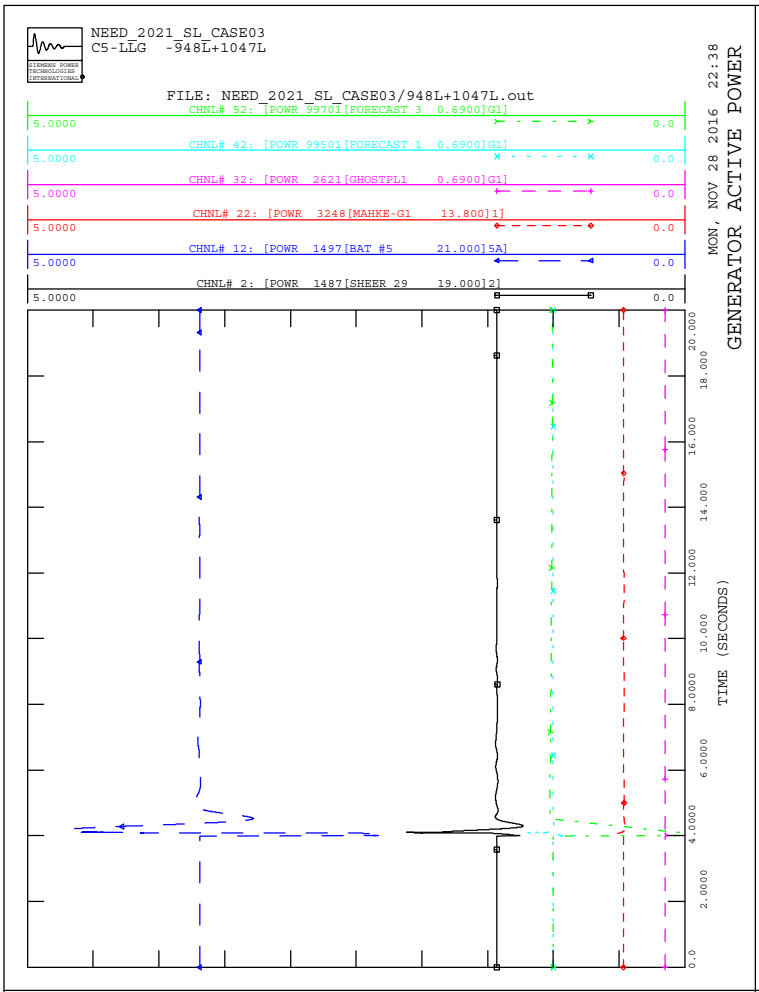
NEED_2021_SL_CASE03
C5-LLG -948L+1047L

FILE: NEED_2021_SL_CASE03/948L+1047L.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -948L+1047L
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CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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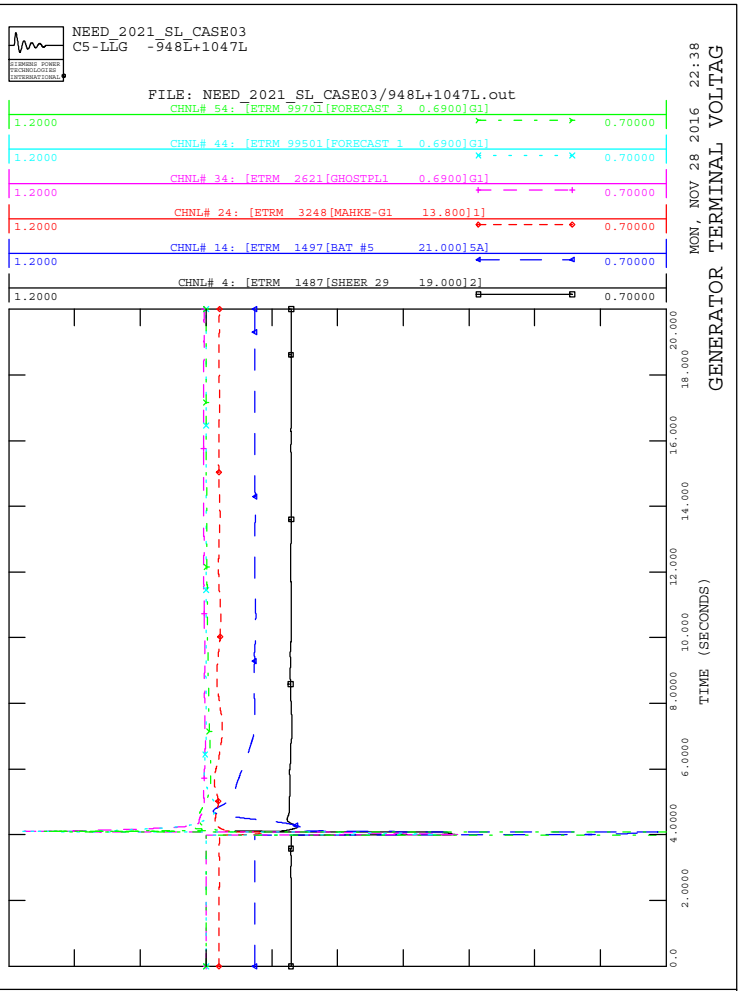
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER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C5-LLG -948L+1047L
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CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
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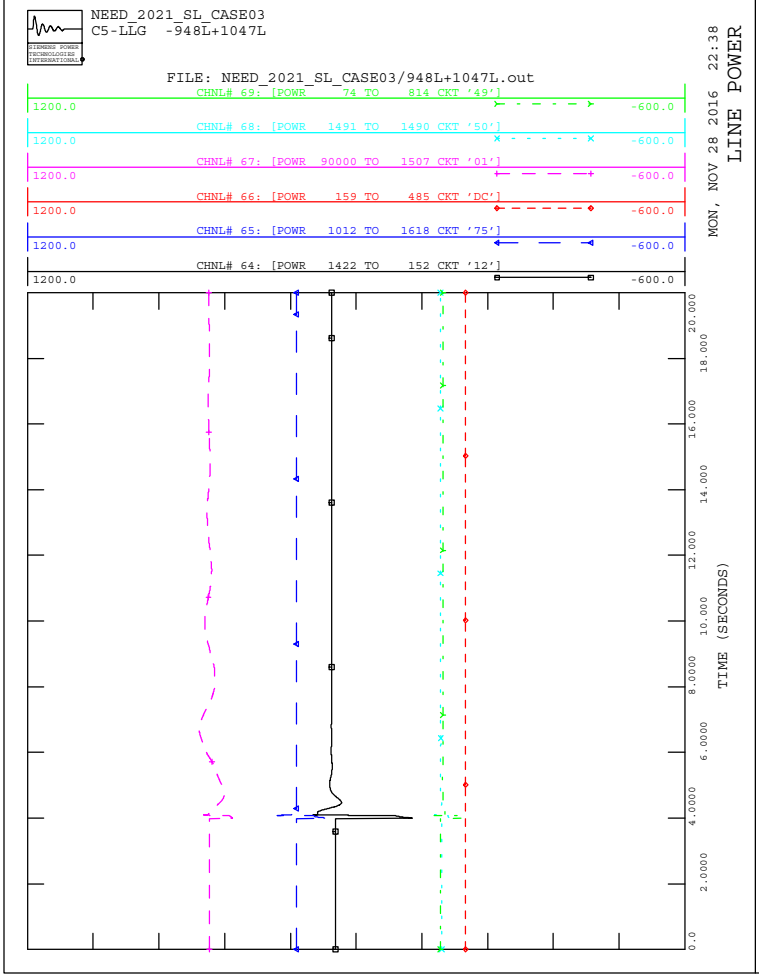
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -948L+1047L
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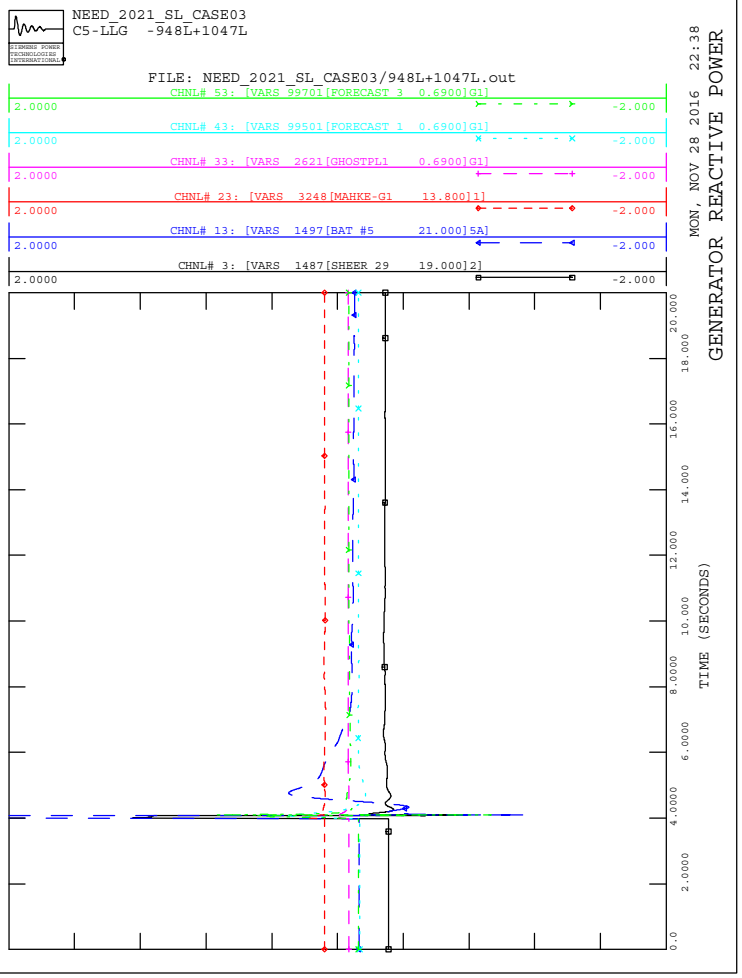
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER

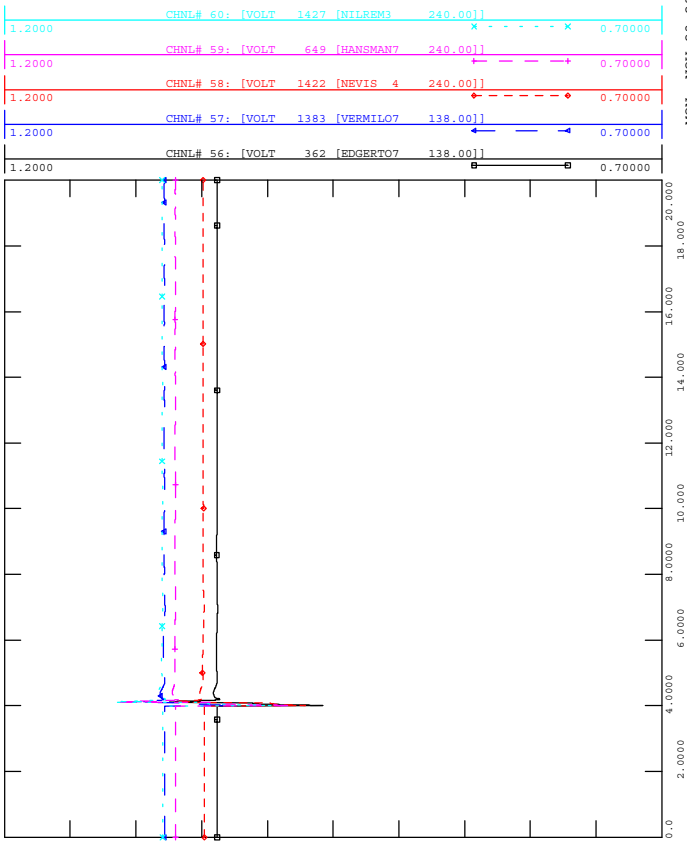

NEED_2021_SL_CASE03
C5-LLG -948L+1047L
FILE: NEED_2021_SL_CASE03/948L+1047L.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -7L128+7L171

FILE: NEED_2021_SL_CASE03/7L128+7L171.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

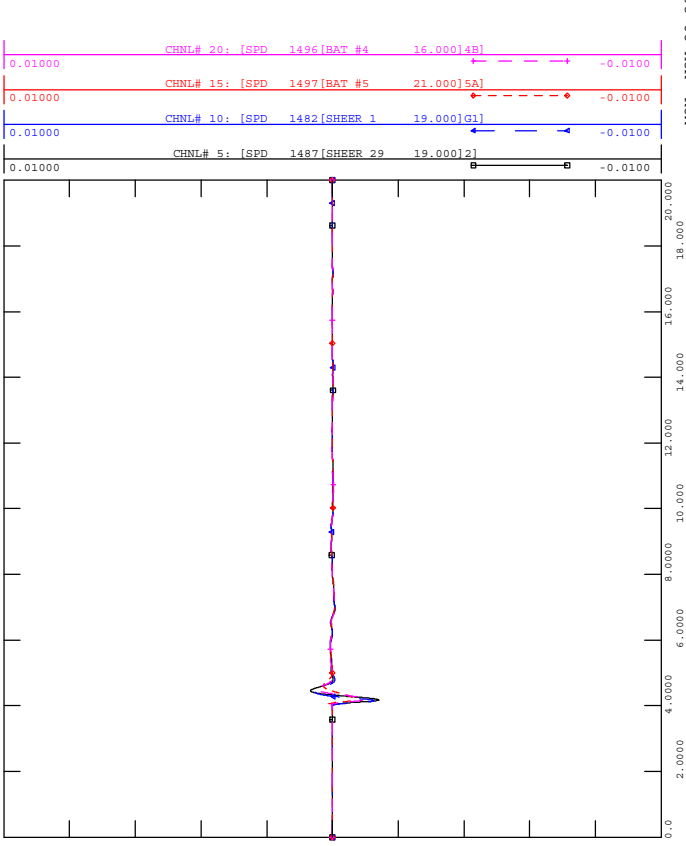


NEED_2021_SL_CASE03
C5-LLG -7L128+7L171

FILE: NEED_2021_SL_CASE03/7L128+7L171.out

MON, NOV 28 2016 22:38

MACHINE SPEED

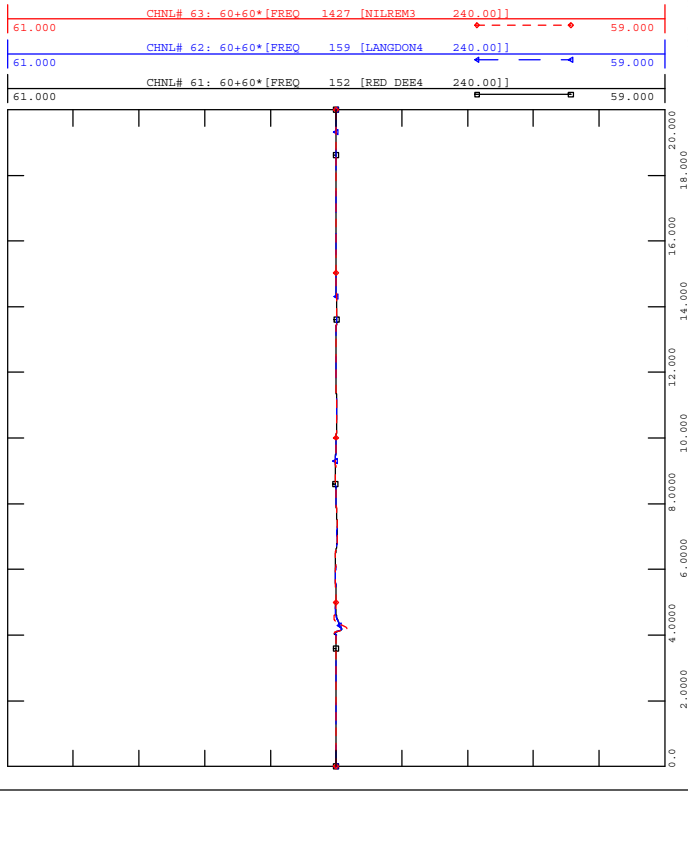


NEED_2021_SL_CASE03
C5-LLG -7L128+7L171

FILE: NEED_2021_SL_CASE03/7L128+7L171.out

MON, NOV 28 2016 22:38

FREQUENCY

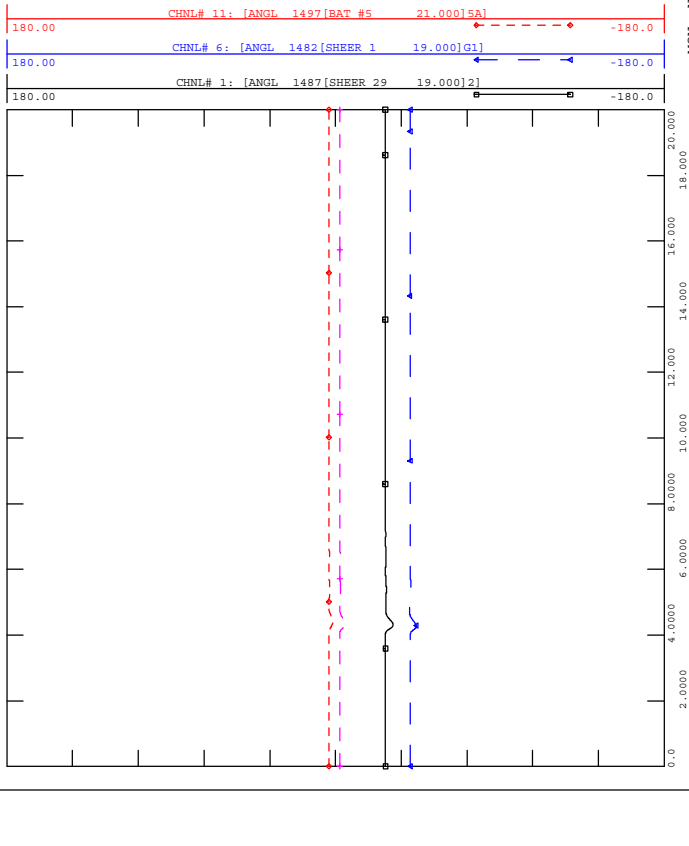


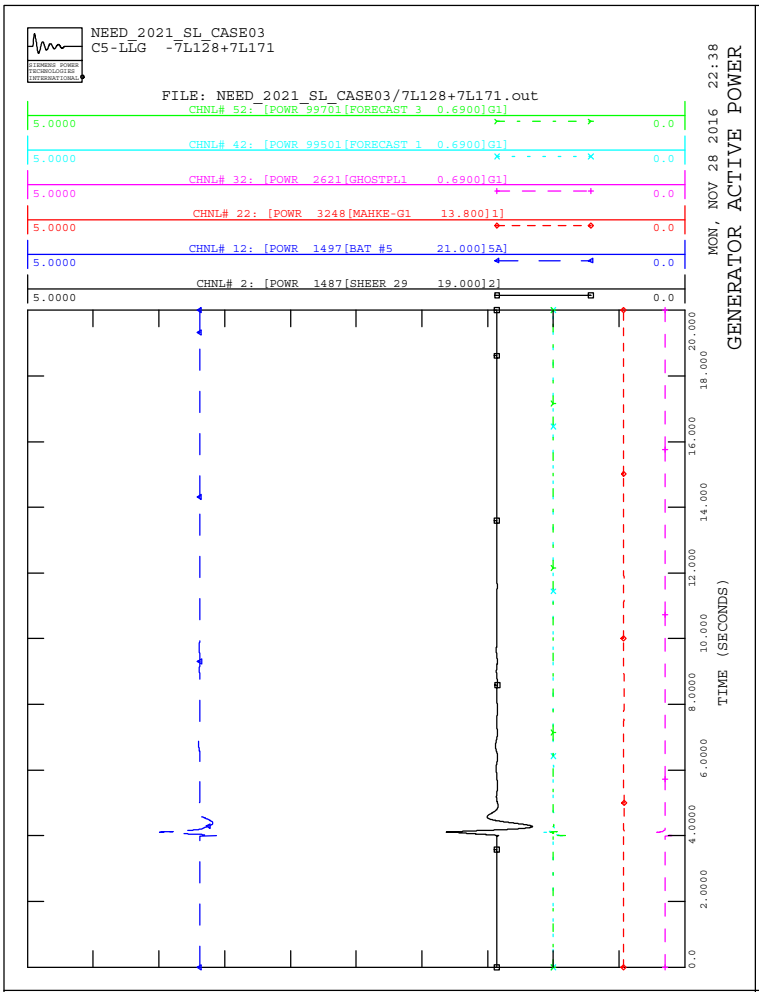
NEED_2021_SL_CASE03
C5-LLG -7L128+7L171

FILE: NEED_2021_SL_CASE03/7L128+7L171.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -7L128+7L171
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CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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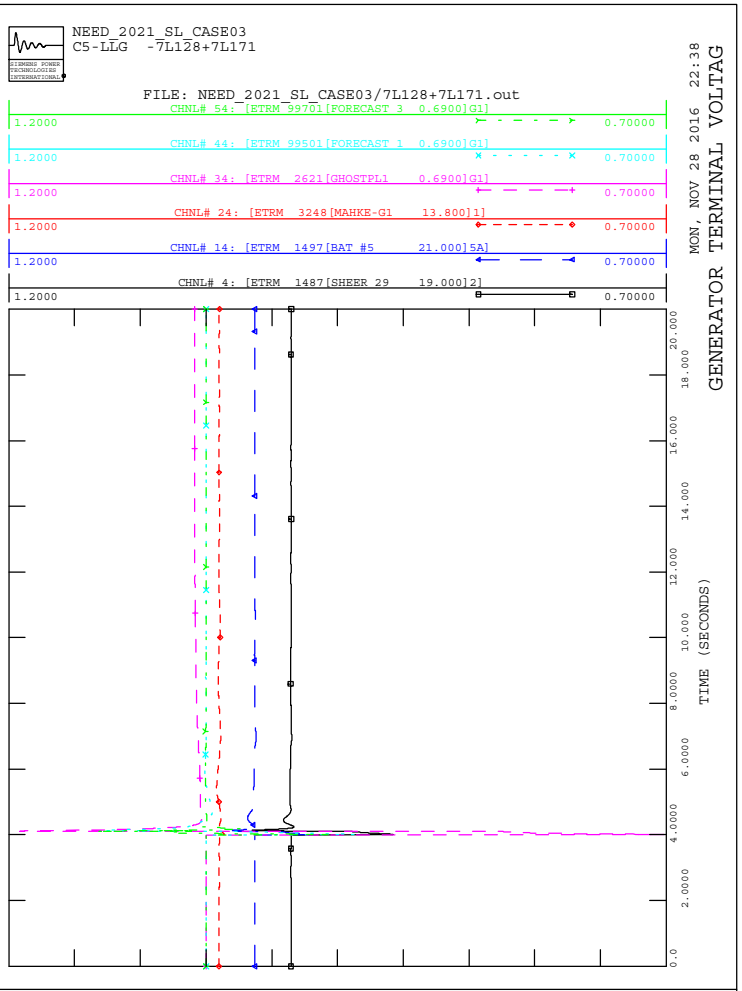
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -7L128+7L171
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CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
2.0000
4.0000
6.0000
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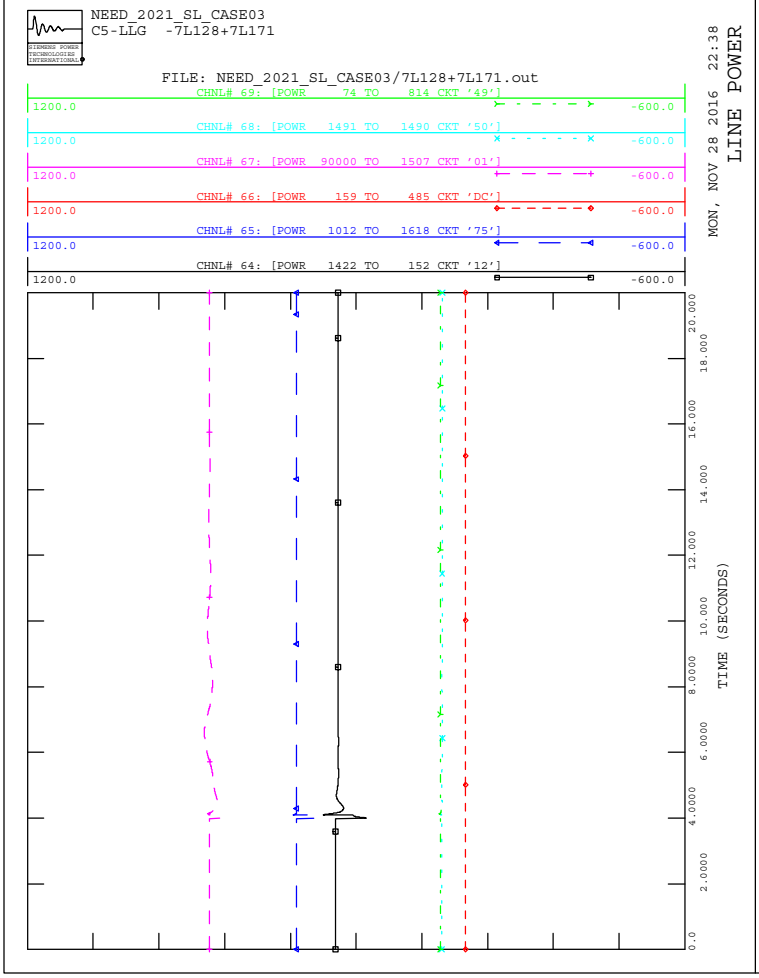
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -7L128+7L171
FILE: NEED_2021_SL_CASE03/7L128+7L171.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
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4.0000
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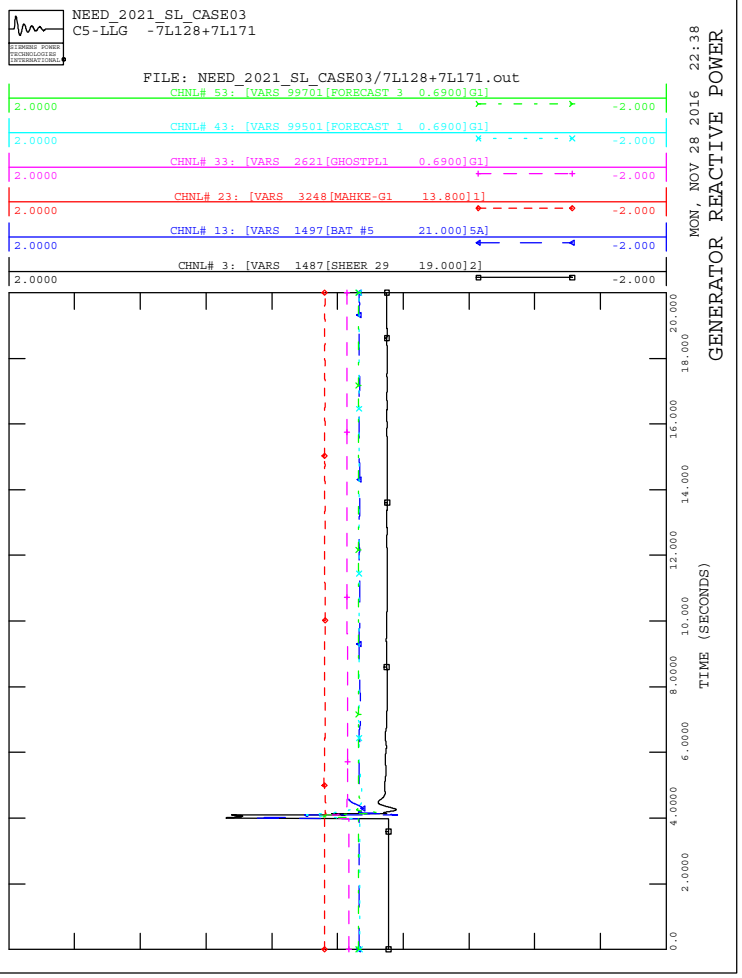
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -7L128+7L171
FILE: NEED_2021_SL_CASE03/7L128+7L171.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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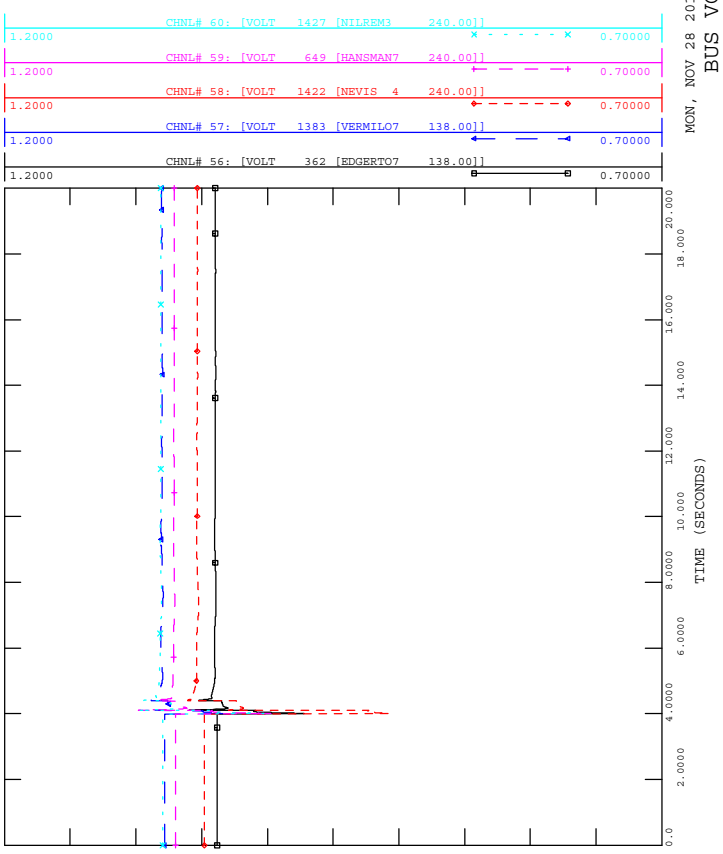
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -7L16+7L159

FILE: NEED_2021_SL_CASE03/7L16+7L159.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

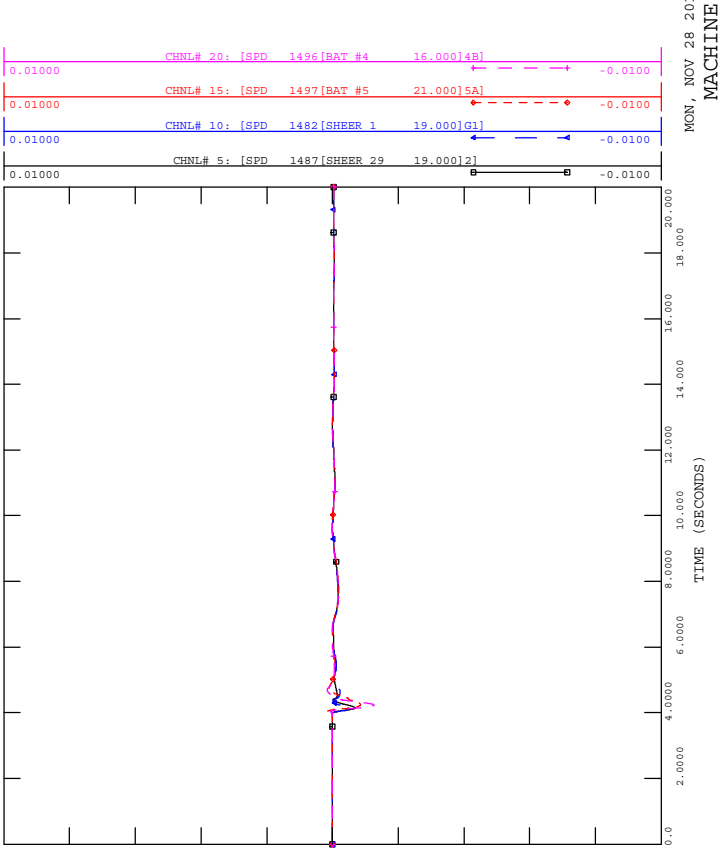


NEED_2021_SL_CASE03
C5-LLG -7L16+7L159

FILE: NEED_2021_SL_CASE03/7L16+7L159.out

MON, NOV 28 2016 22:38

MACHINE SPEED

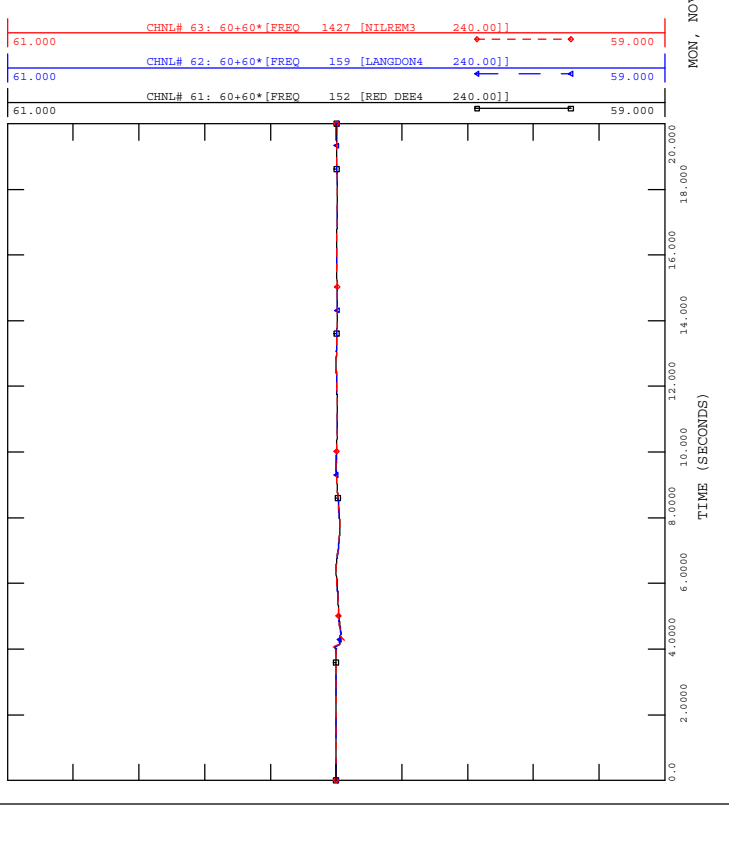


NEED_2021_SL_CASE03
C5-LLG -7L16+7L159

FILE: NEED_2021_SL_CASE03/7L16+7L159.out

MON, NOV 28 2016 22:38

FREQUENCY

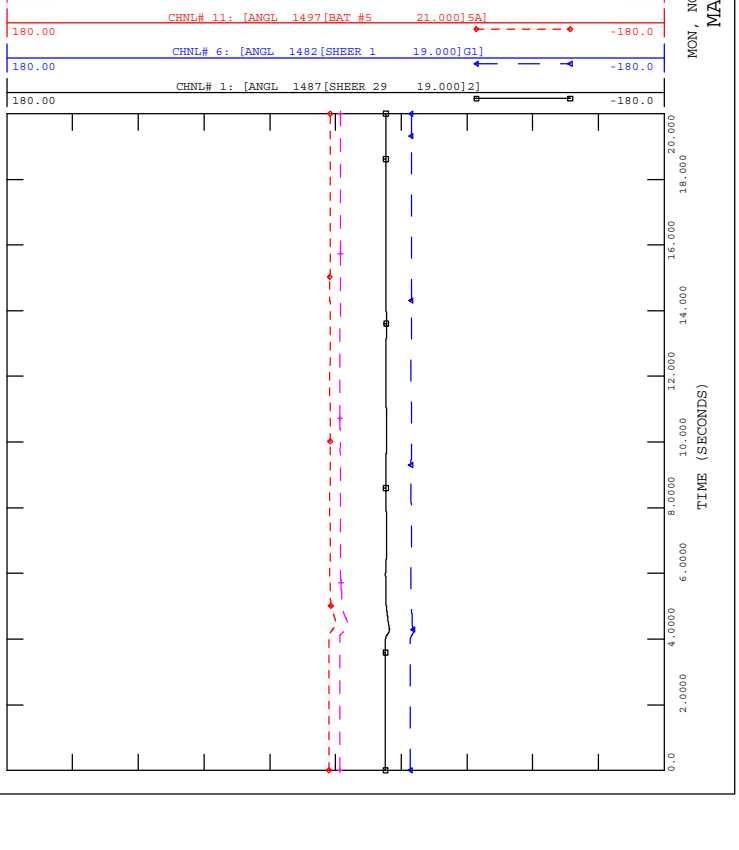


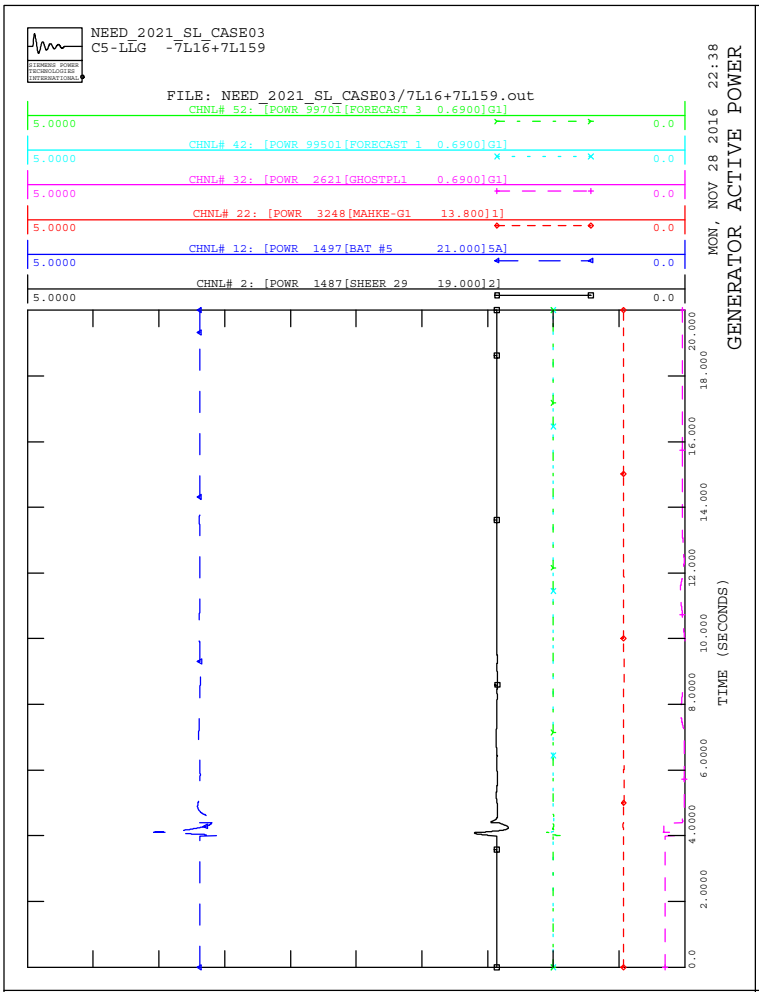
NEED_2021_SL_CASE03
C5-LLG -7L16+7L159

FILE: NEED_2021_SL_CASE03/7L16+7L159.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -7L16+7L159
FILE: NEED_2021_SL_CASE03/7L16+7L159.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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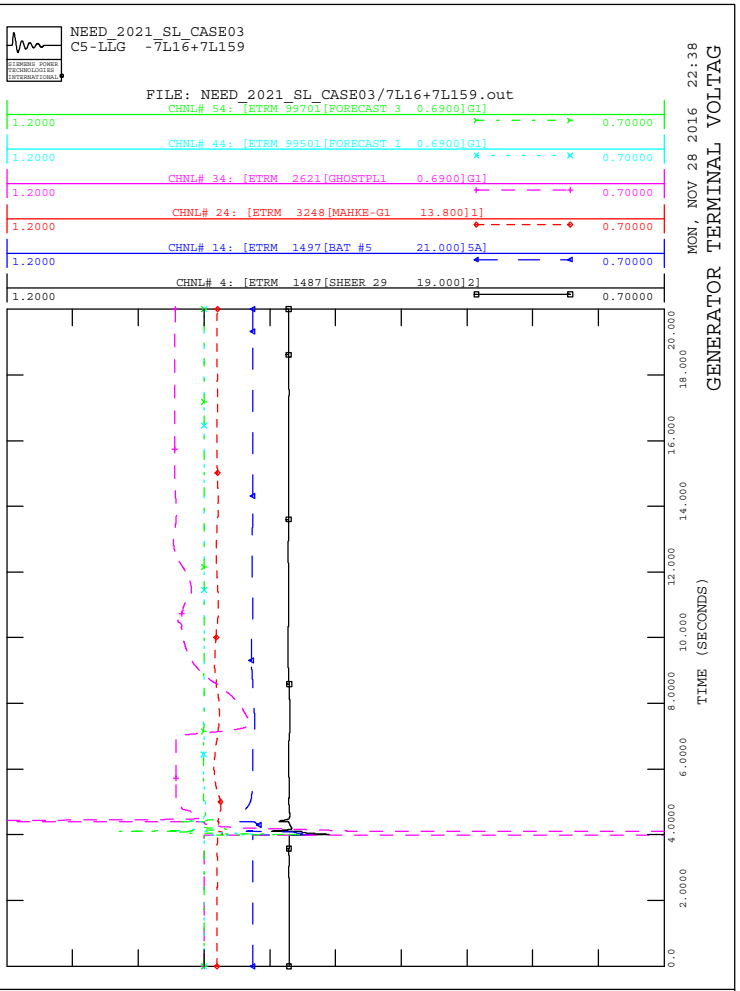
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -7L16+7L159
FILE: NEED_2021_SL_CASE03/7L16+7L159.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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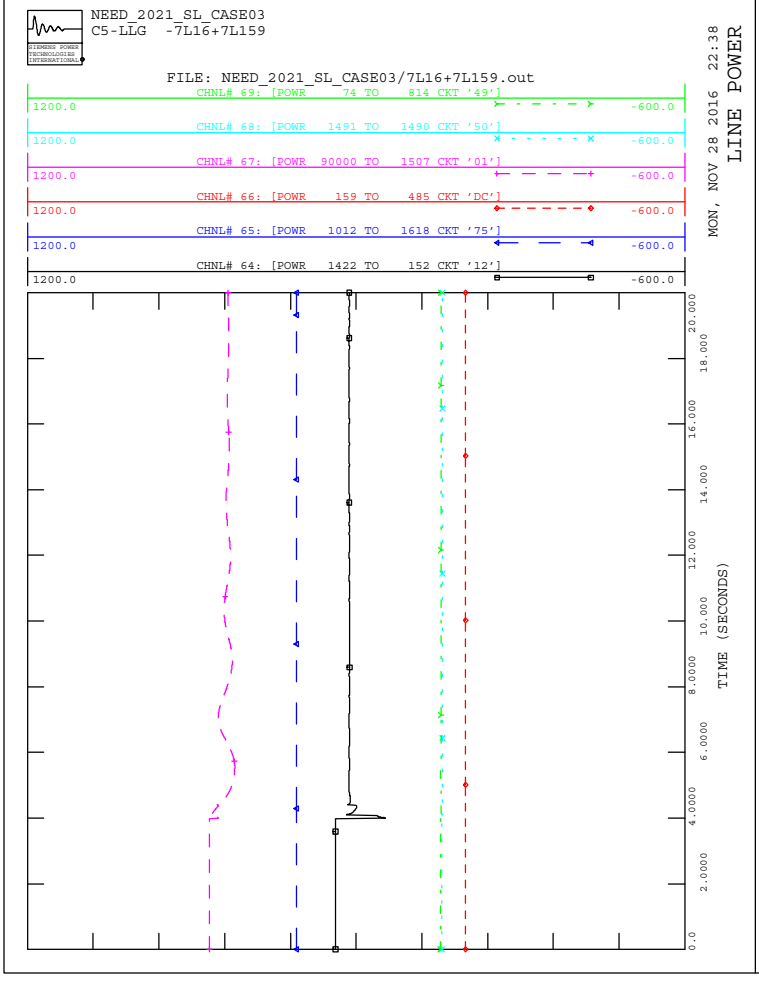
0.70000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -7L16+7L159
FILE: NEED_2021_SL_CASE03/7L16+7L159.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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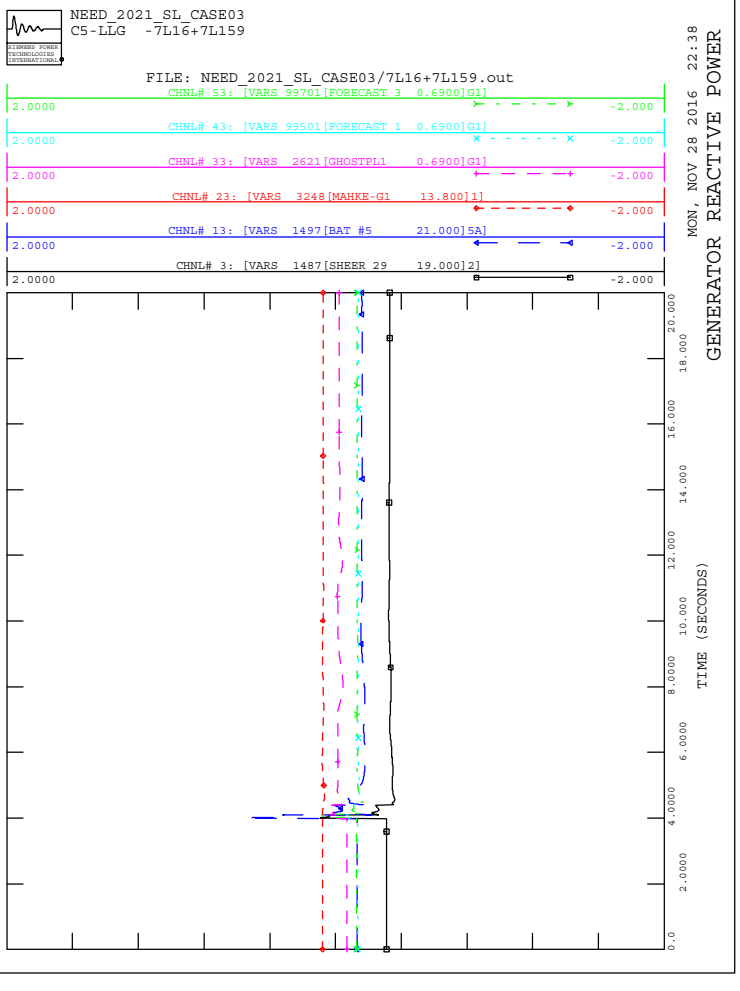
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER

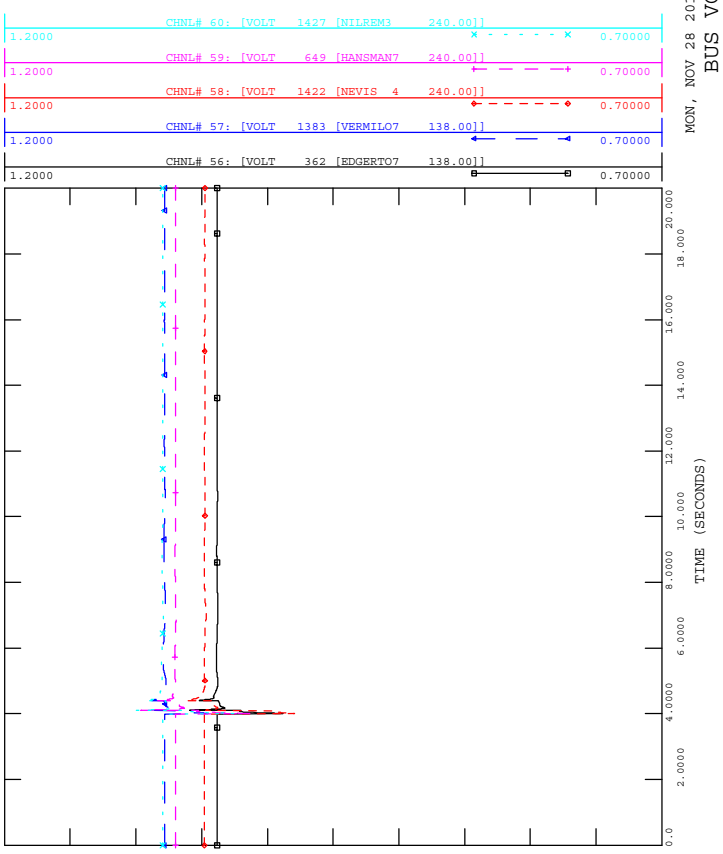

NEED_2021_SL_CASE03
C5-LLG -7L16+7L159
FILE: NEED_2021_SL_CASE03/7L16+7L159.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -7L25+7L137

FILE: NEED_2021_SL_CASE03/7L25+7L137.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

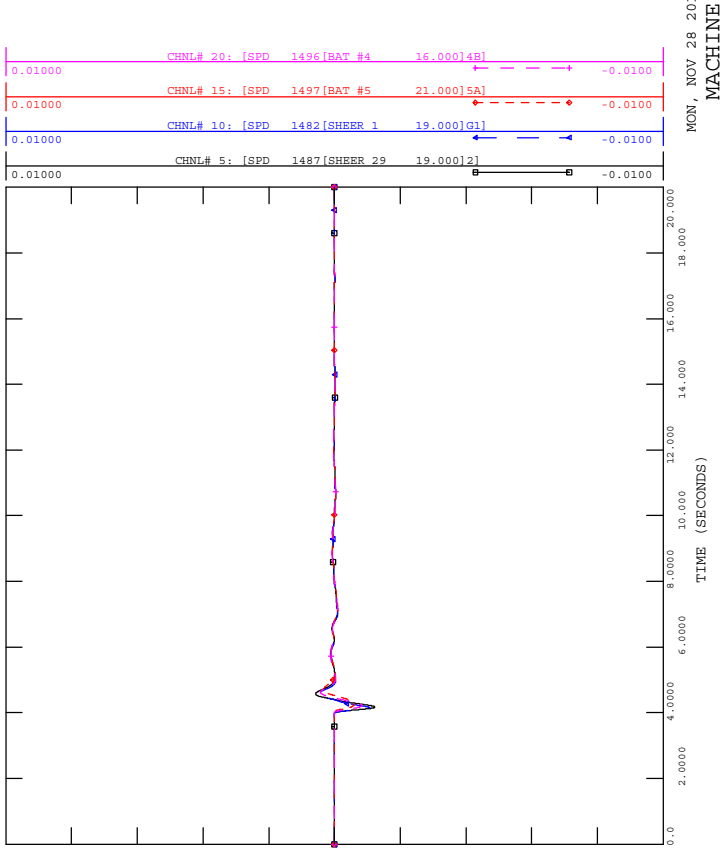


NEED_2021_SL_CASE03
C5-LLG -7L25+7L137

FILE: NEED_2021_SL_CASE03/7L25+7L137.out

MON, NOV 28 2016 22:38

MACHINE SPEED

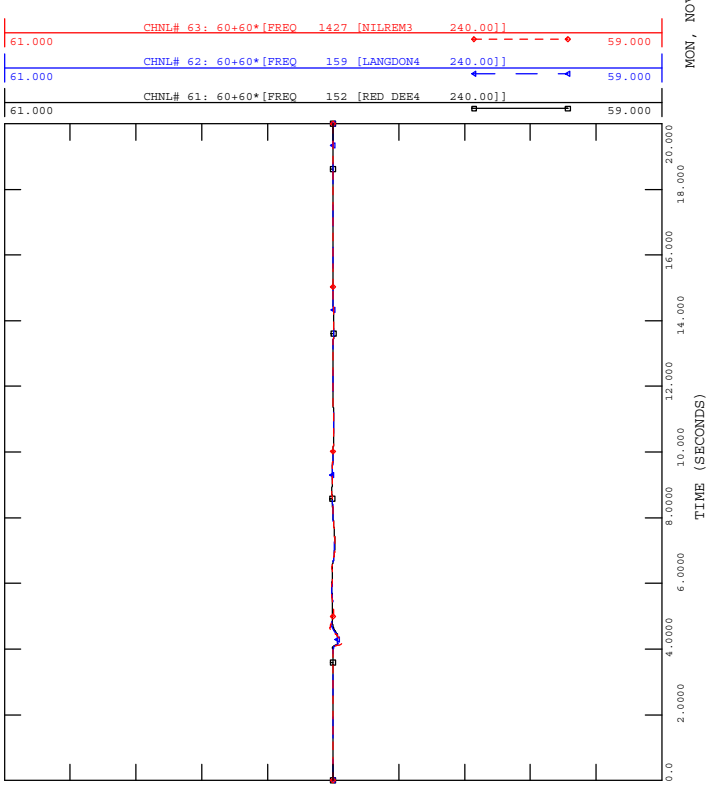


NEED_2021_SL_CASE03
C5-LLG -7L25+7L137

FILE: NEED_2021_SL_CASE03/7L25+7L137.out

MON, NOV 28 2016 22:38

FREQUENCY

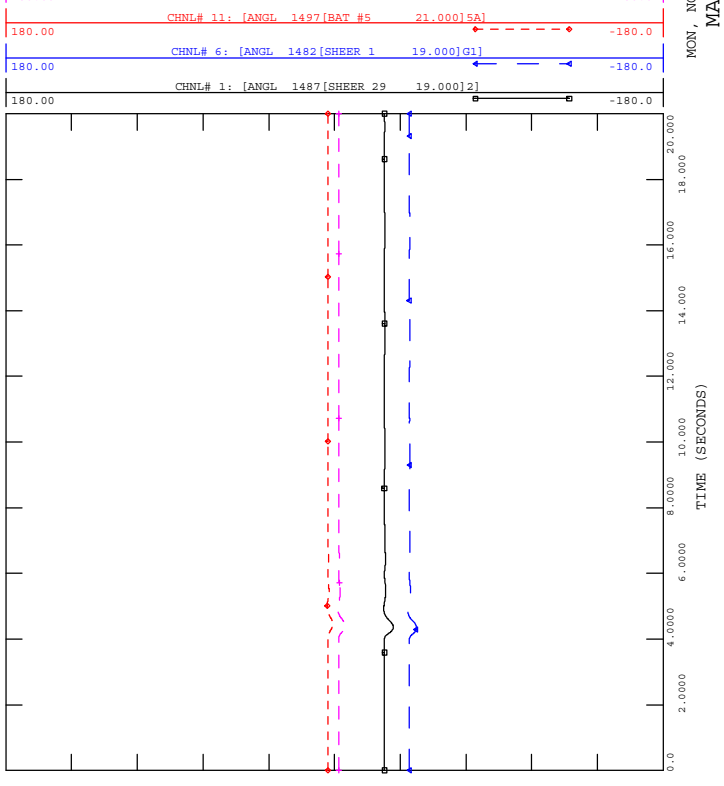


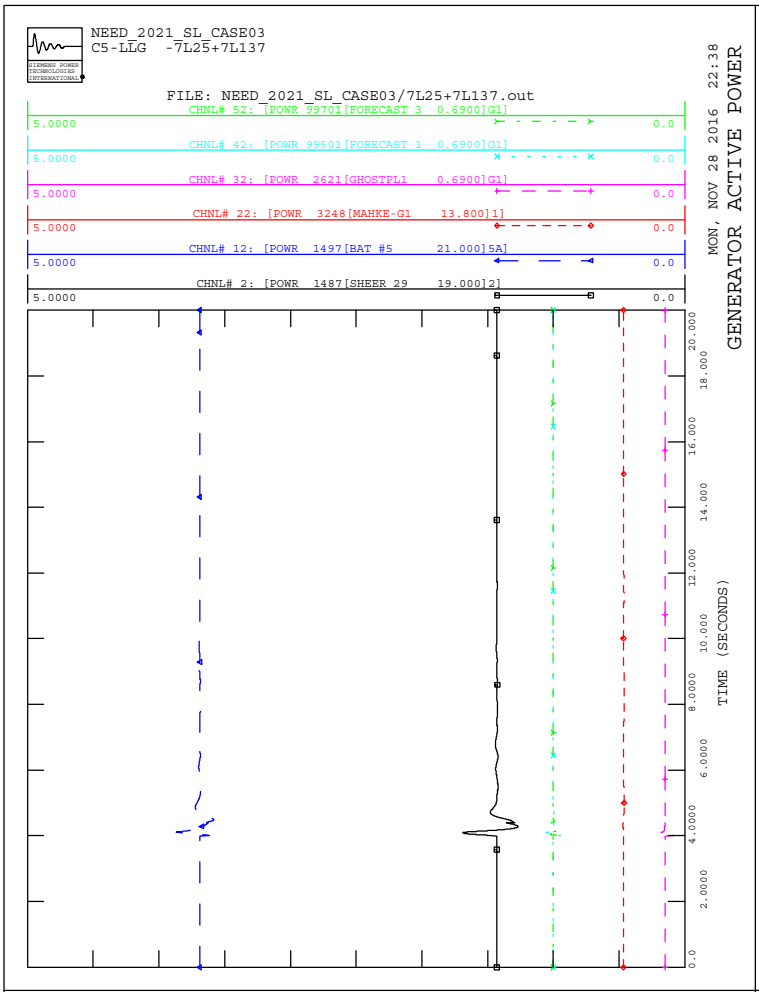
NEED_2021_SL_CASE03
C5-LLG -7L25+7L137

FILE: NEED_2021_SL_CASE03/7L25+7L137.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -7L25+7L137
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CHNL# 52: [POWR 9970I[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 9950I[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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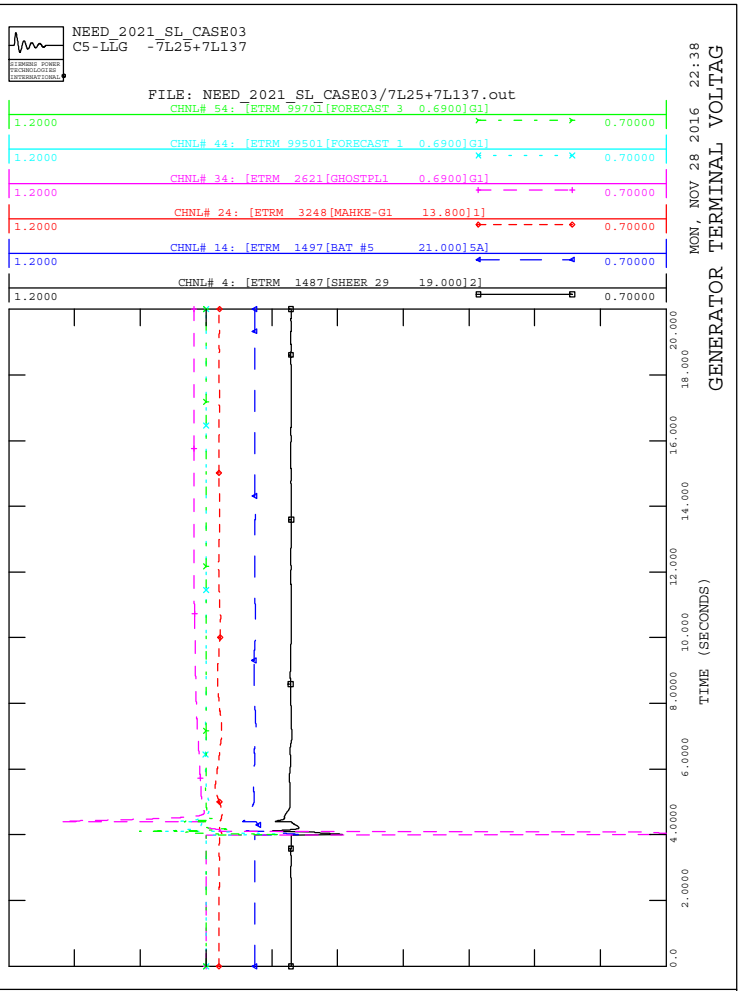
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -7L25+7L137
FILE: NEED_2021_SL_CASE03/7L25+7L137.out
CHNL# 54: [ETRM 9970I[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 9950I[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0000
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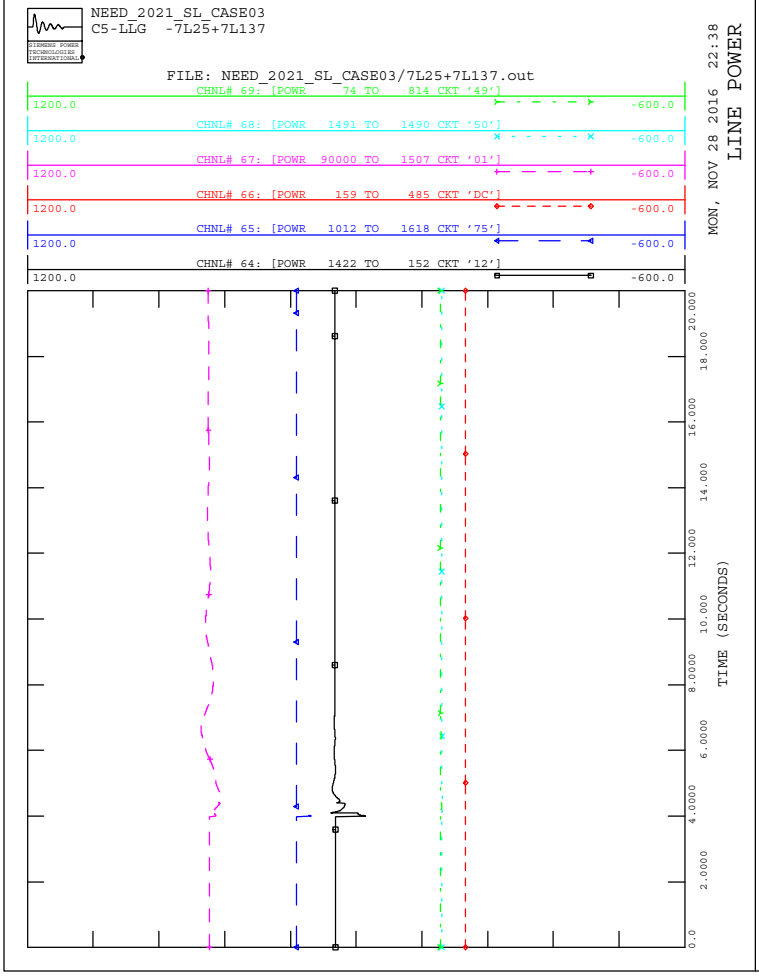
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -7L25+7L137
FILE: NEED_2021_SL_CASE03/7L25+7L137.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
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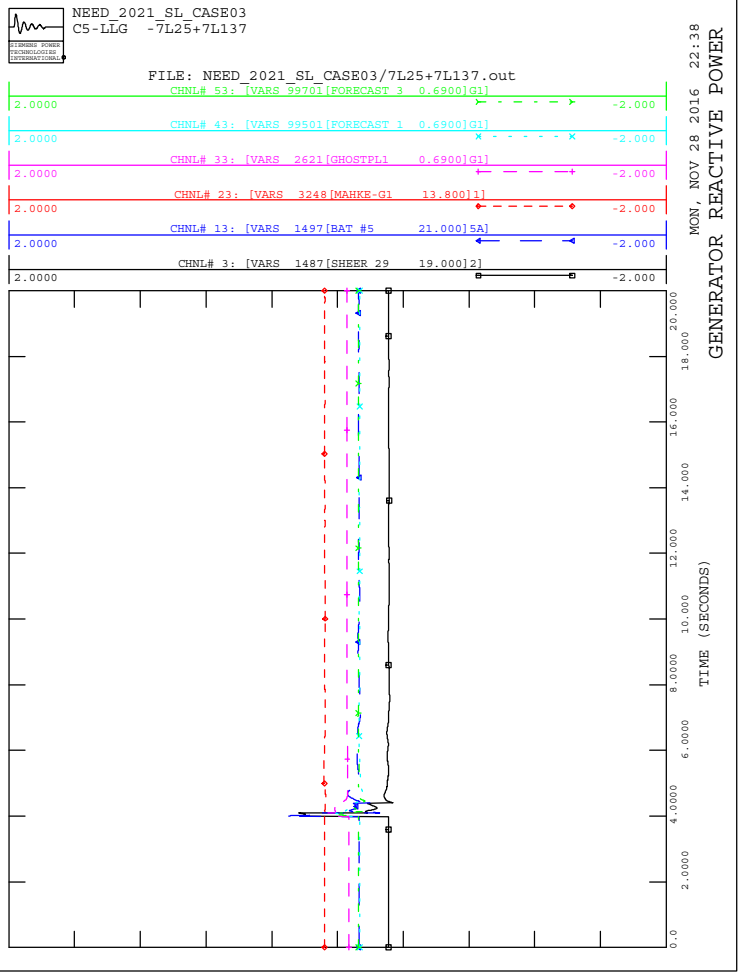
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -7L25+7L137
FILE: NEED_2021_SL_CASE03/7L25+7L137.out
CHNL# 53: [VARS 9970I[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 9950I[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
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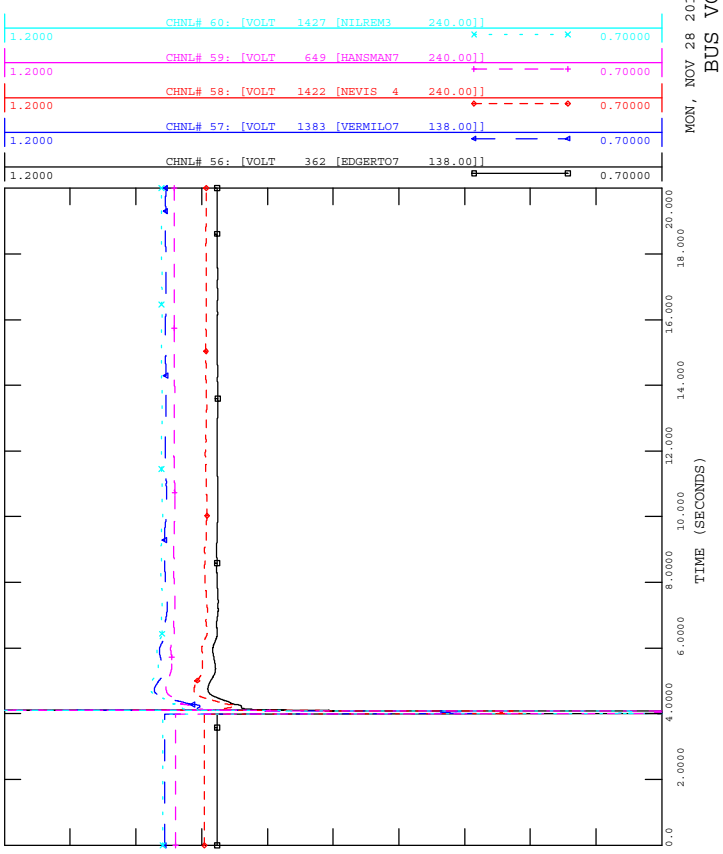
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -9L70+9L97

FILE: NEED_2021_SL_CASE03/9L70+9L97.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

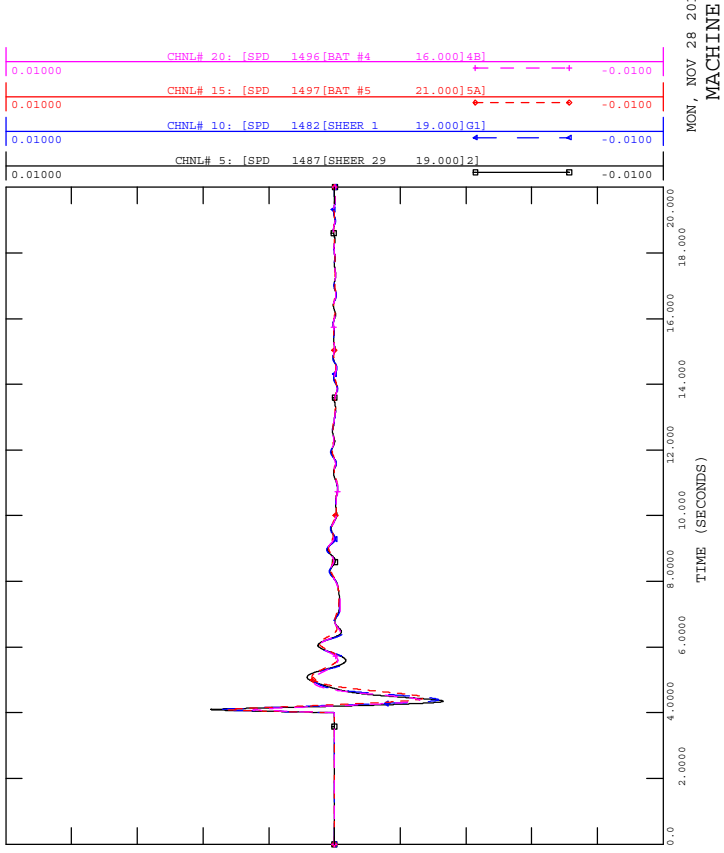


NEED_2021_SL_CASE03
C5-LLG -9L70+9L97

FILE: NEED_2021_SL_CASE03/9L70+9L97.out

MON, NOV 28 2016 22:38

MACHINE SPEED

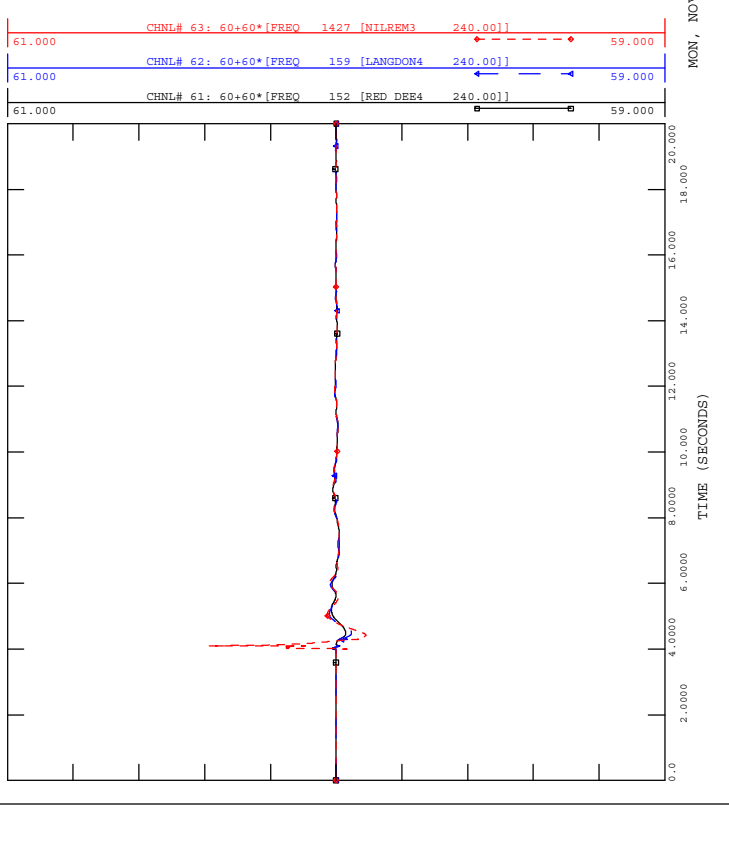


NEED_2021_SL_CASE03
C5-LLG -9L70+9L97

FILE: NEED_2021_SL_CASE03/9L70+9L97.out

MON, NOV 28 2016 22:38

FREQUENCY

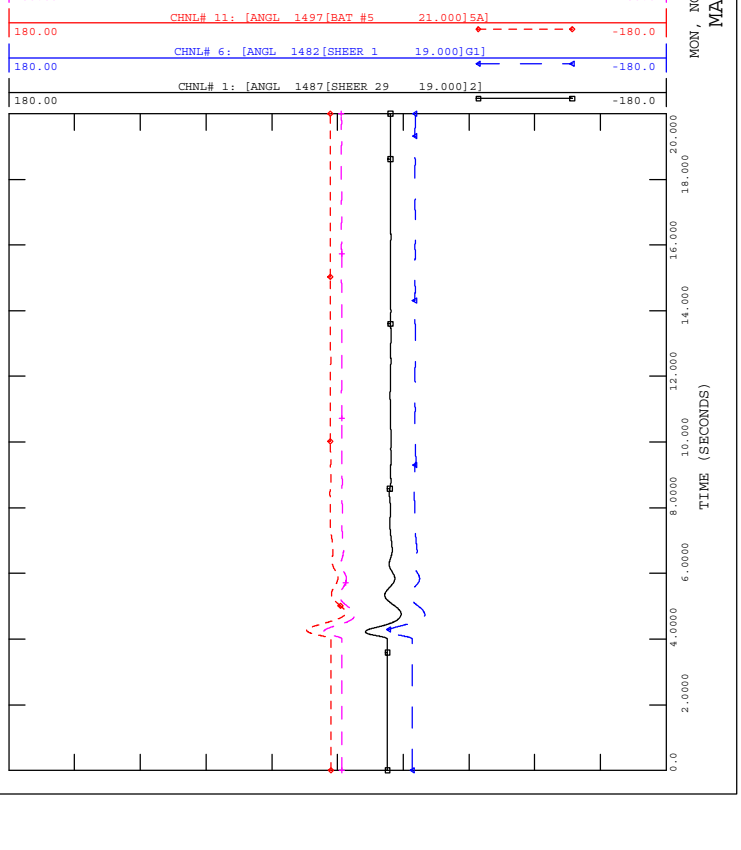


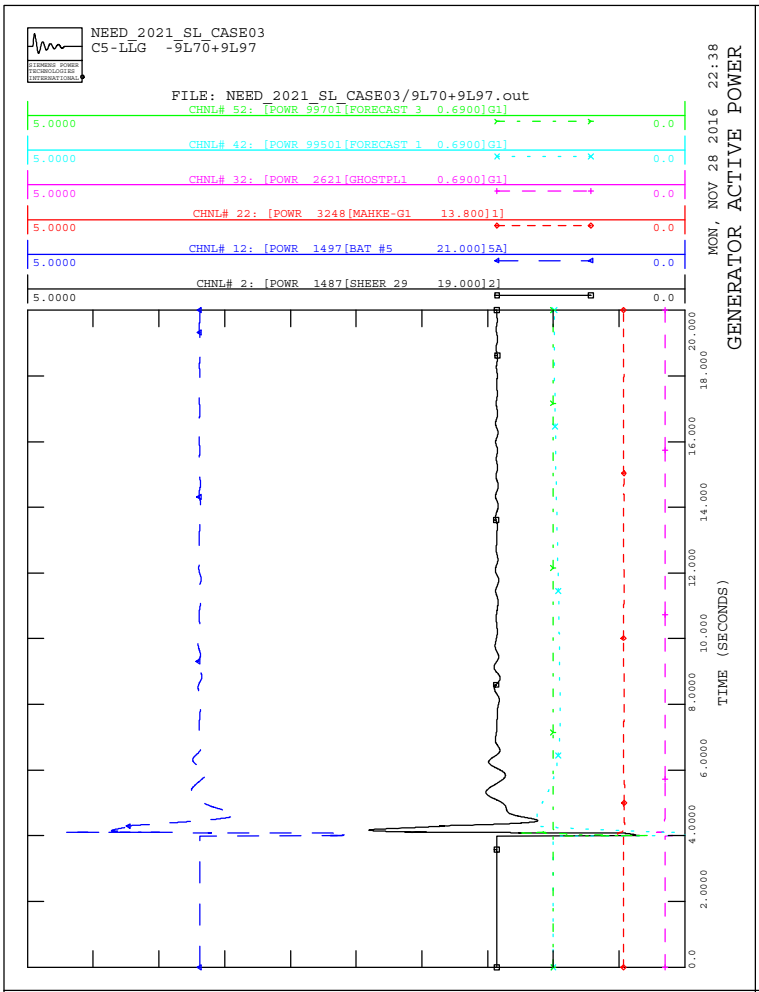
NEED_2021_SL_CASE03
C5-LLG -9L70+9L97

FILE: NEED_2021_SL_CASE03/9L70+9L97.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -9L70+9L97
FILE: NEED_2021_SL_CASE03/9L70+9L97.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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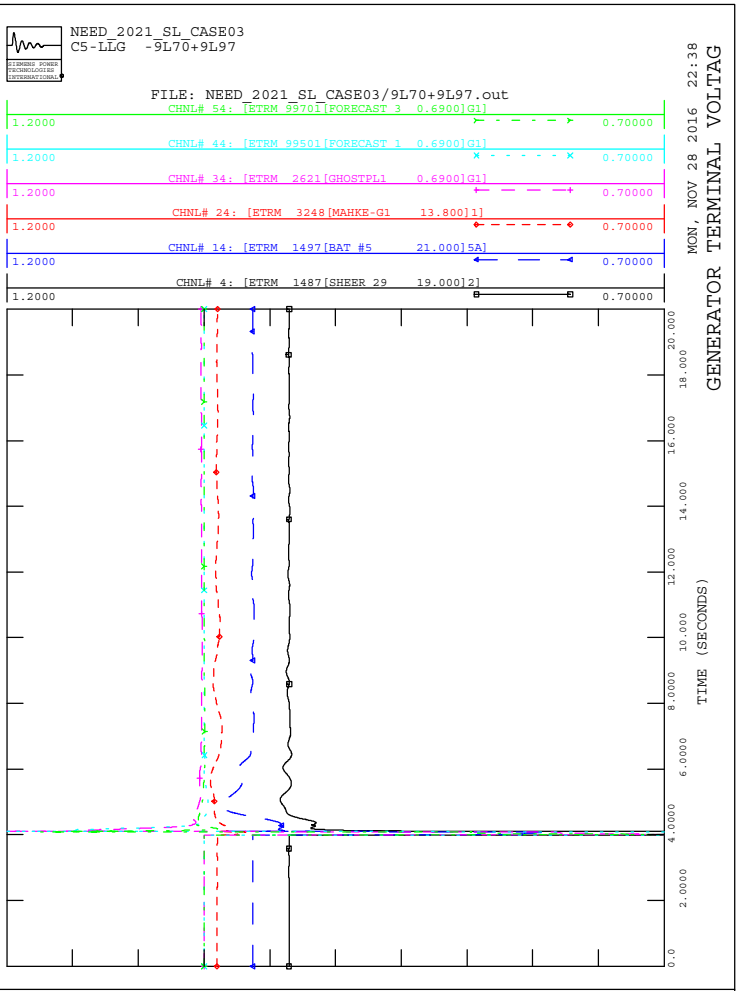
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -9L70+9L97
FILE: NEED_2021_SL_CASE03/9L70+9L97.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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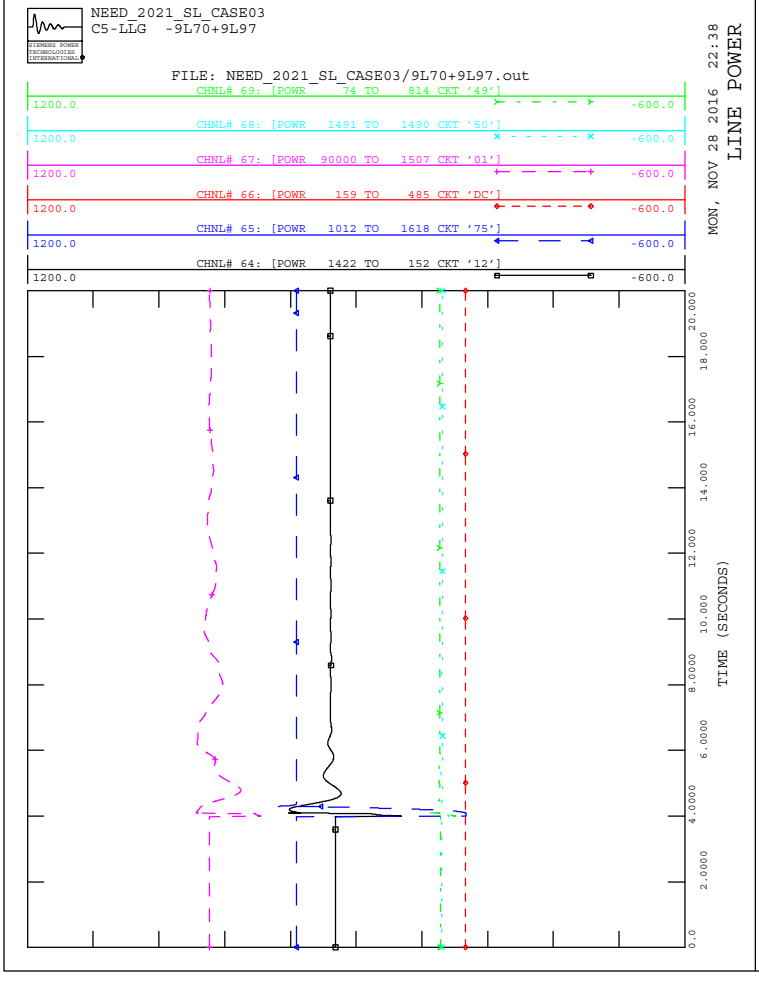
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -9L70+9L97
FILE: NEED_2021_SL_CASE03/9L70+9L97.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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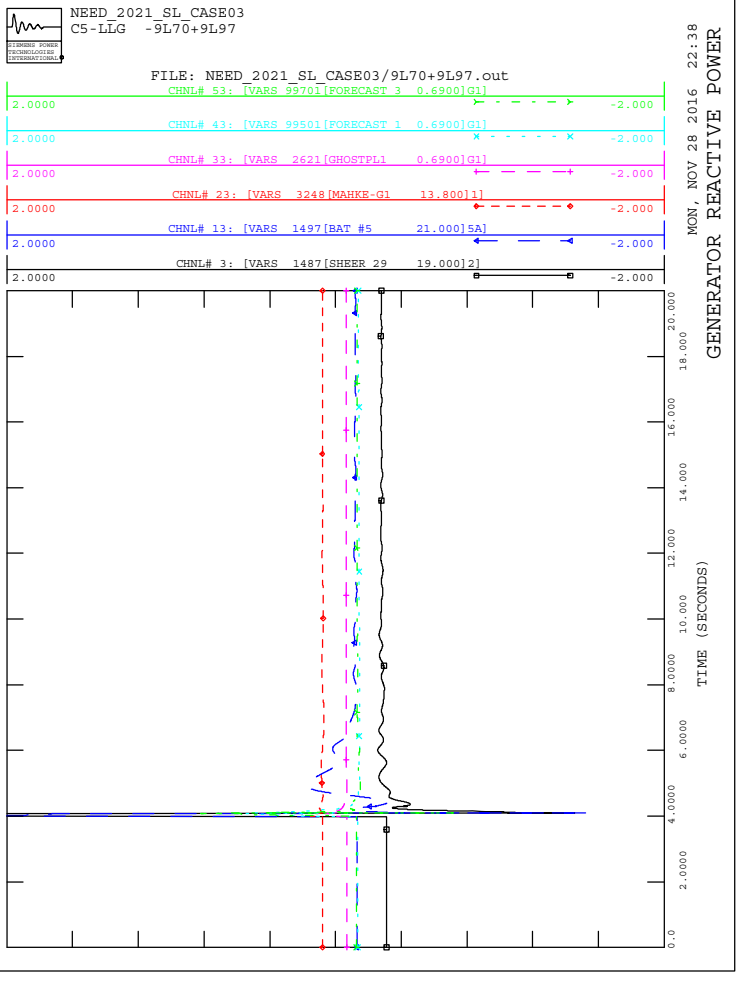
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER

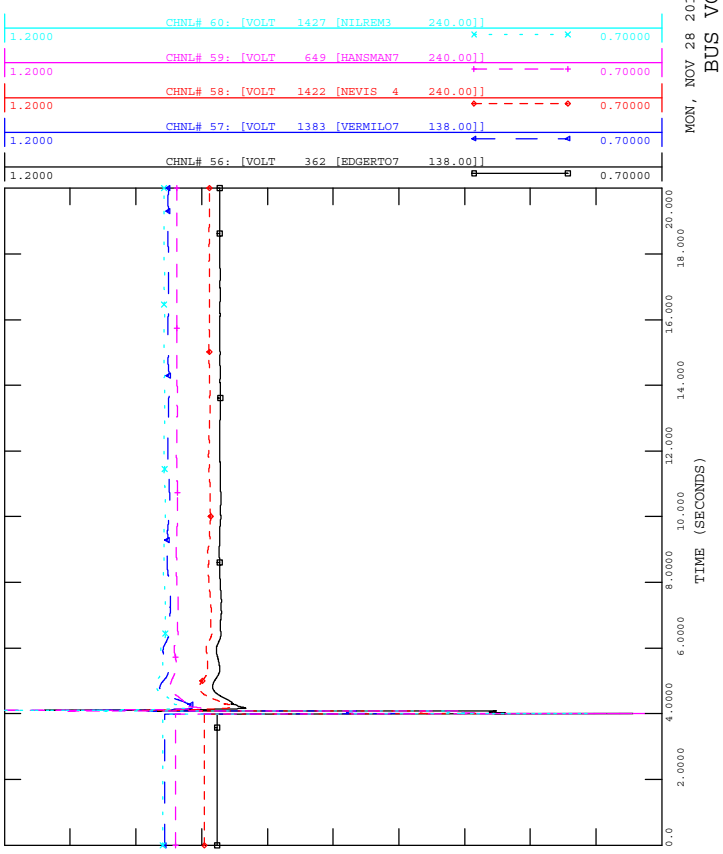

NEED_2021_SL_CASE03
C5-LLG -9L70+9L97
FILE: NEED_2021_SL_CASE03/9L70+9L97.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C5-LLG -933L+934L

FILE: NEED_2021_SL_CASE03/933L+934L.out

MON, NOV 28 2016 22:38

BUS VOLTAGE

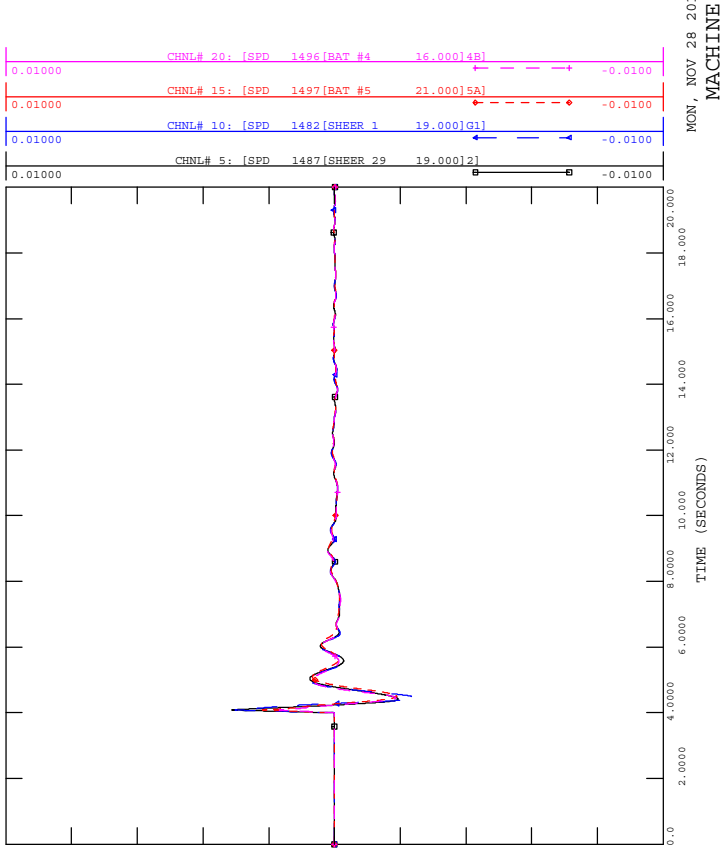


NEED_2021_SL_CASE03
C5-LLG -933L+934L

FILE: NEED_2021_SL_CASE03/933L+934L.out

MON, NOV 28 2016 22:38

MACHINE SPEED

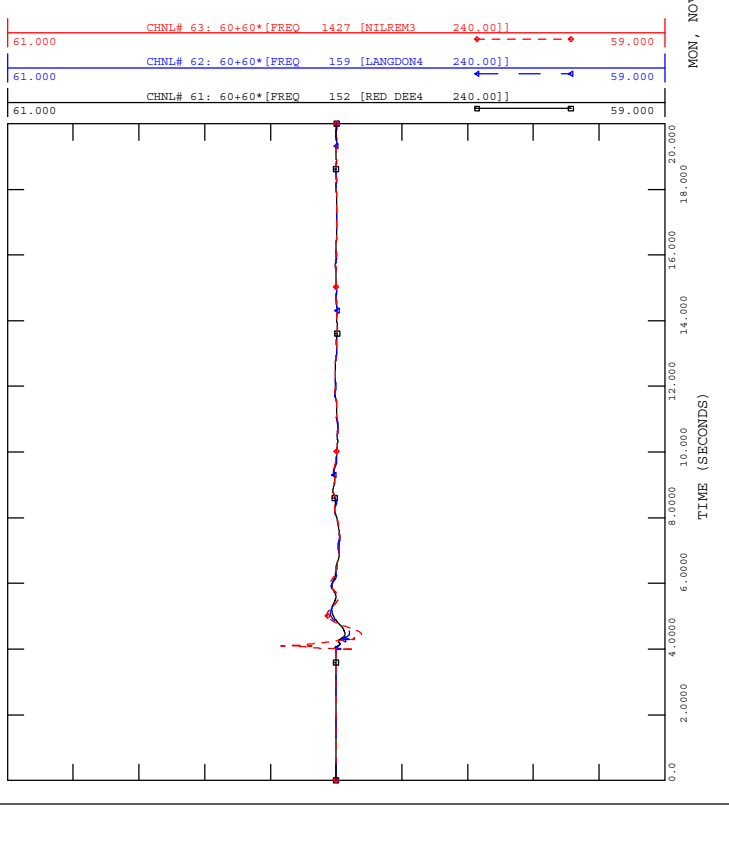


NEED_2021_SL_CASE03
C5-LLG -933L+934L

FILE: NEED_2021_SL_CASE03/933L+934L.out

MON, NOV 28 2016 22:38

FREQUENCY

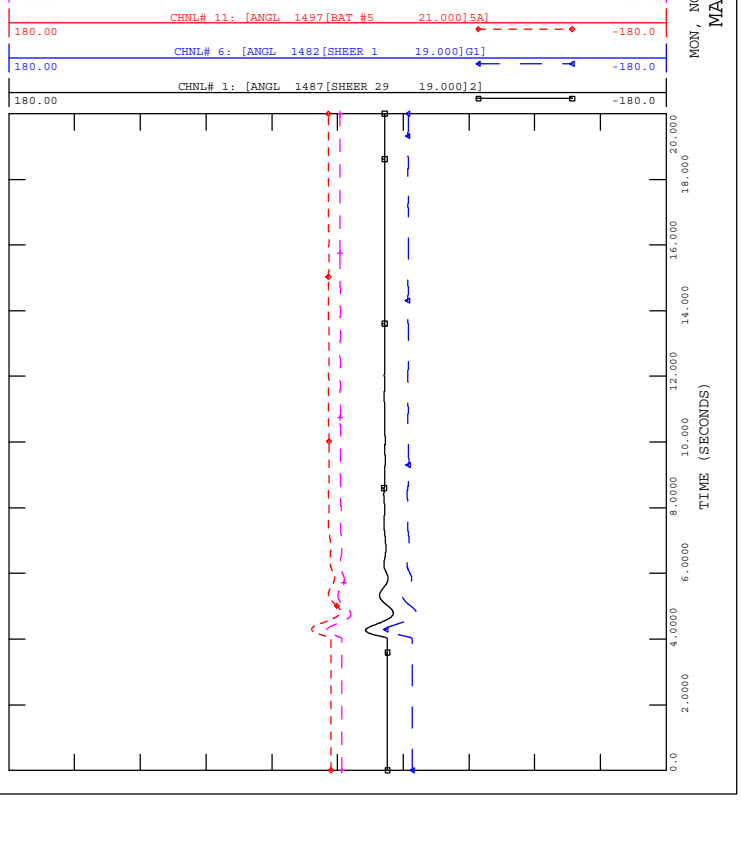


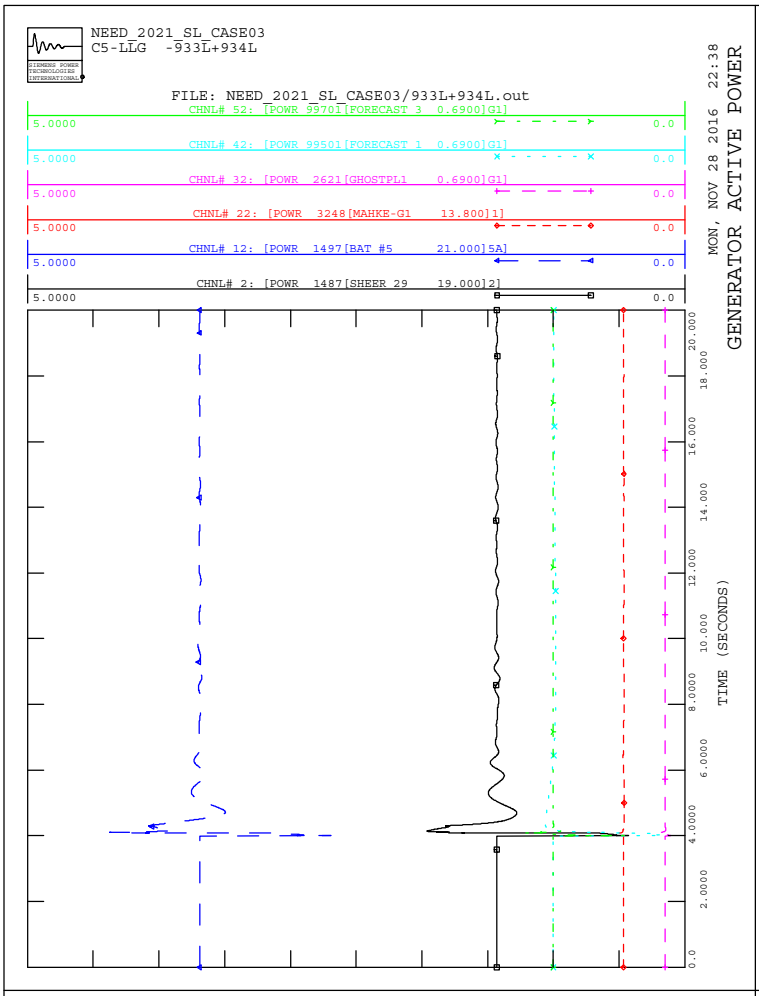
NEED_2021_SL_CASE03
C5-LLG -933L+934L

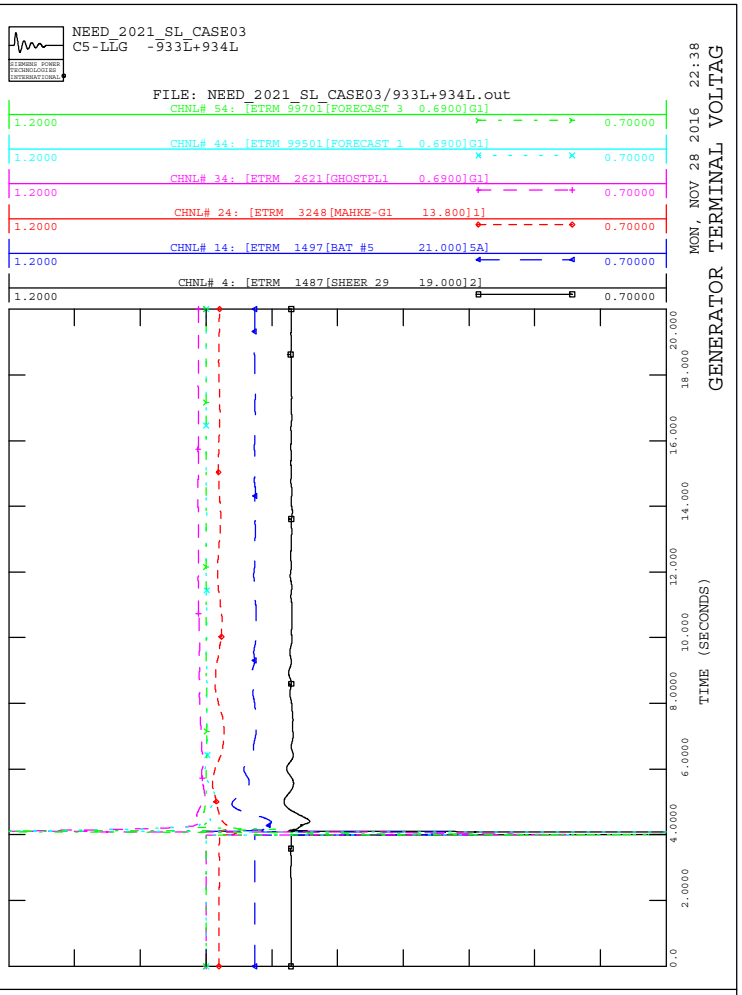
FILE: NEED_2021_SL_CASE03/933L+934L.out

MON, NOV 28 2016 22:38

MACHINE ANGEL




NEED_2021_SL_CASE03
C5-LLG -933L+934L
FILE: NEED_2021_SL_CASE03/933L+934L.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C5-LLG -933L+934L
FILE: NEED_2021_SL_CASE03/933L+934L.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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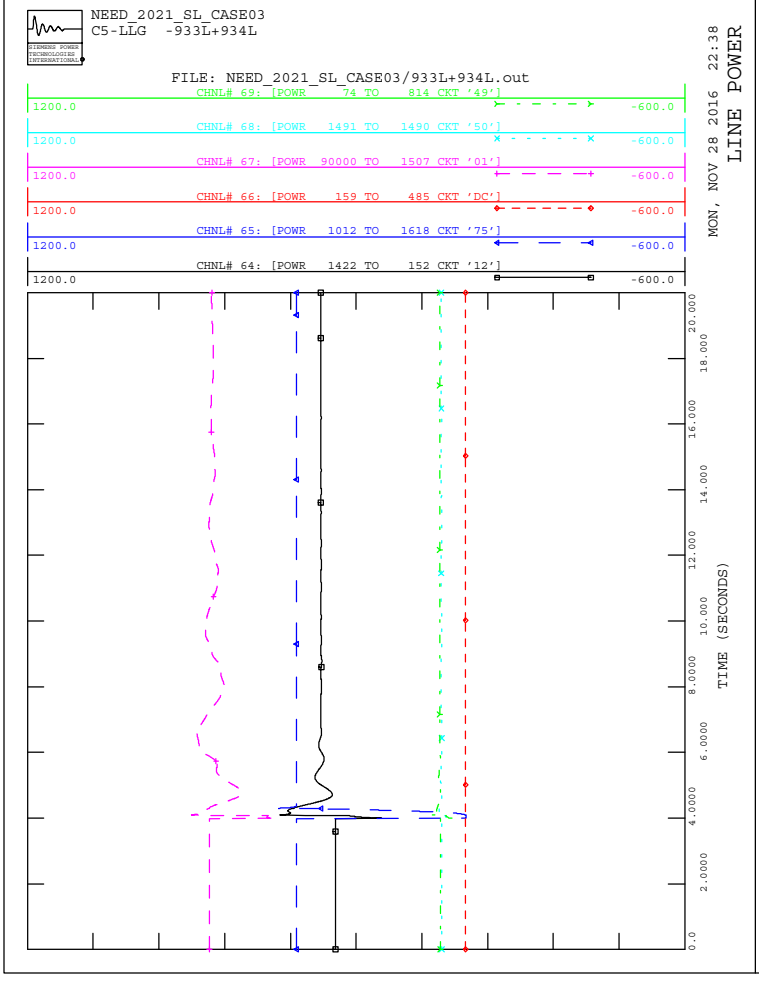
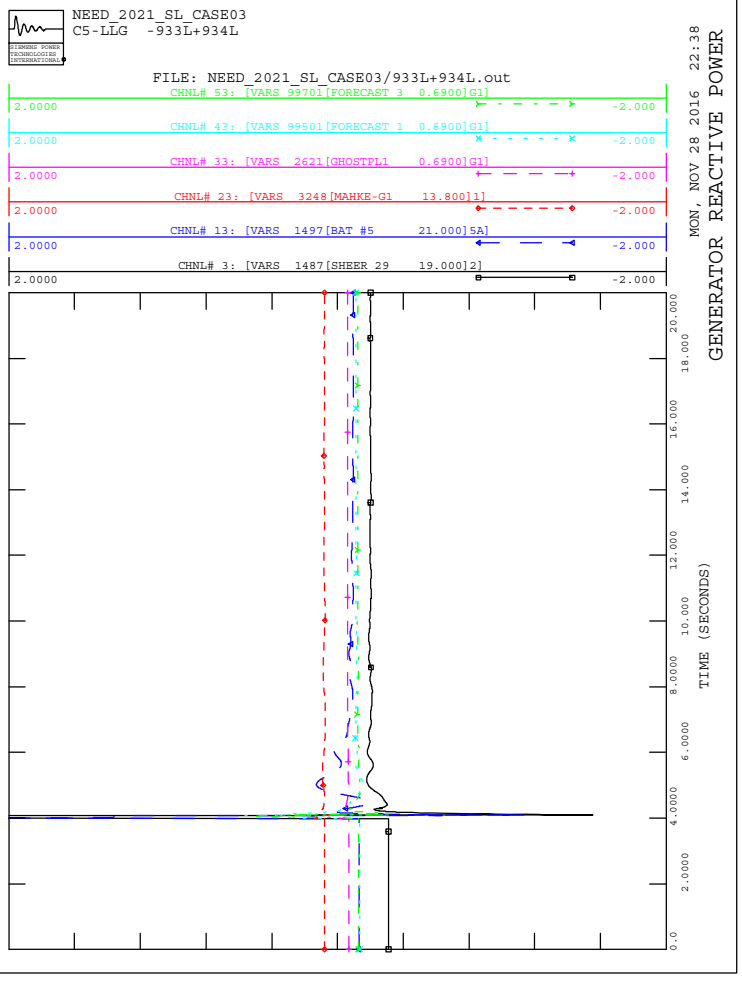
0.70000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C5-LLG -933L+934L
FILE: NEED_2021_SL_CASE03/933L+934L.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 22:38
LINE POWER


NEED_2021_SL_CASE03
C5-LLG -933L+934L
FILE: NEED_2021_SL_CASE03/933L+934L.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 22:38
GENERATOR REACTIVE POWER

Transient Stability Analysis Plots

Existing System Prior to PENV Development

2021 Winter Peak

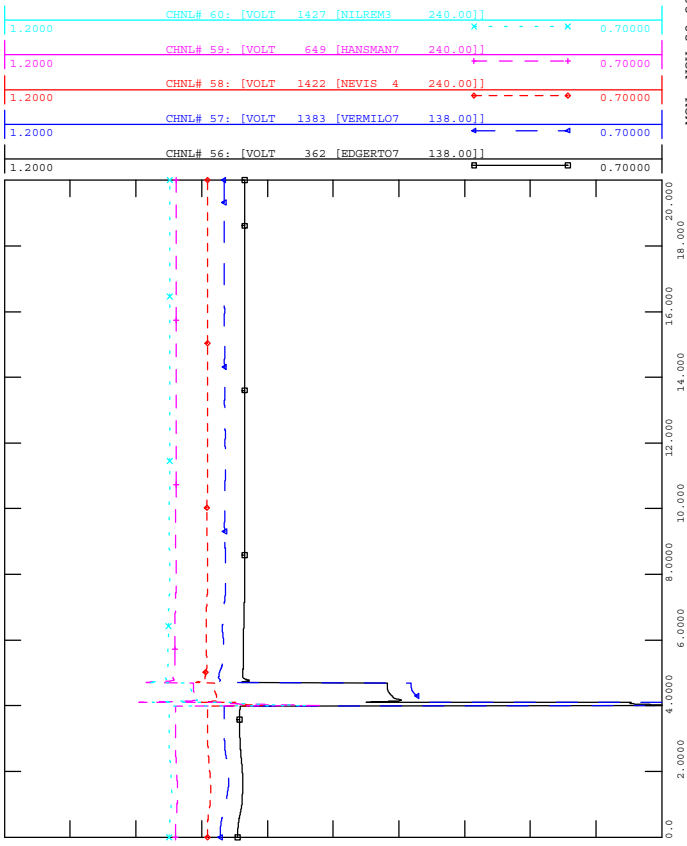
Category C5 (Line-to-line-to-ground Fault)

NEED_2021_WP_CASE05
C5-LLG -7L14+7L130

FILE: NEED_2021_WP_CASE05/7L14+7L130.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

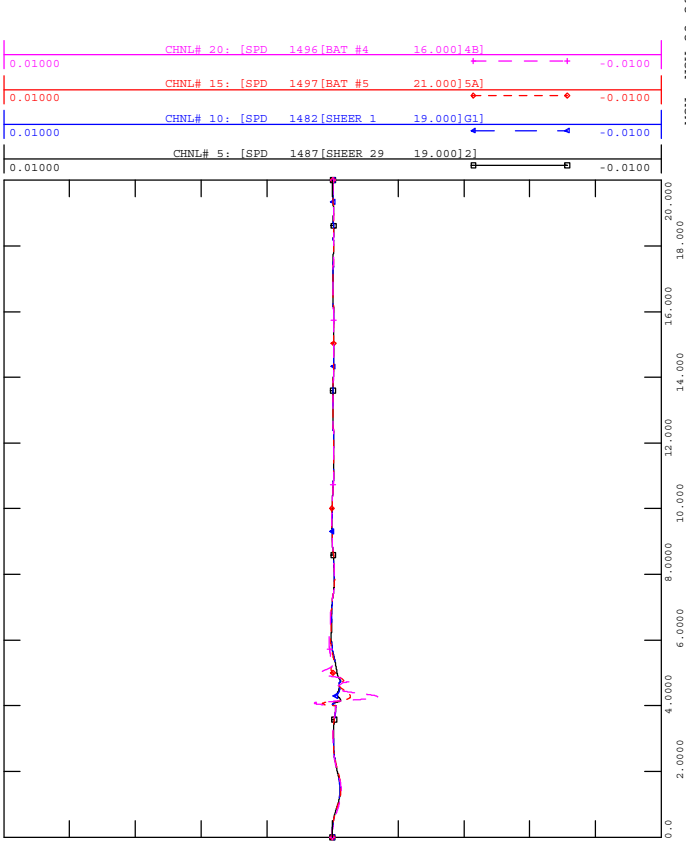


NEED_2021_WP_CASE05
C5-LLG -7L14+7L130

FILE: NEED_2021_WP_CASE05/7L14+7L130.out

MON, NOV 28 2016 22:39

MACHINE SPEED

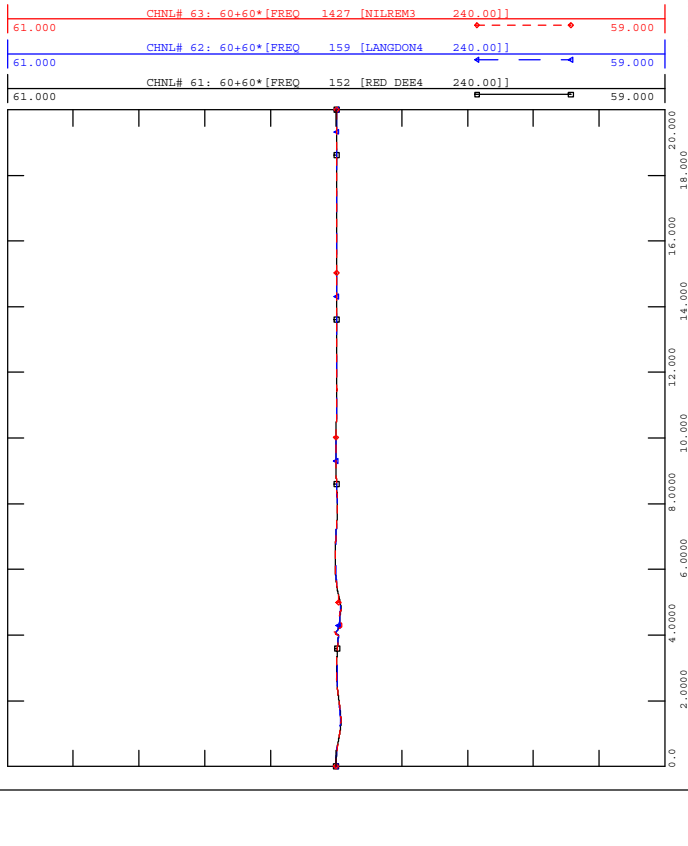


NEED_2021_WP_CASE05
C5-LLG -7L14+7L130

FILE: NEED_2021_WP_CASE05/7L14+7L130.out

MON, NOV 28 2016 22:39

FREQUENCY

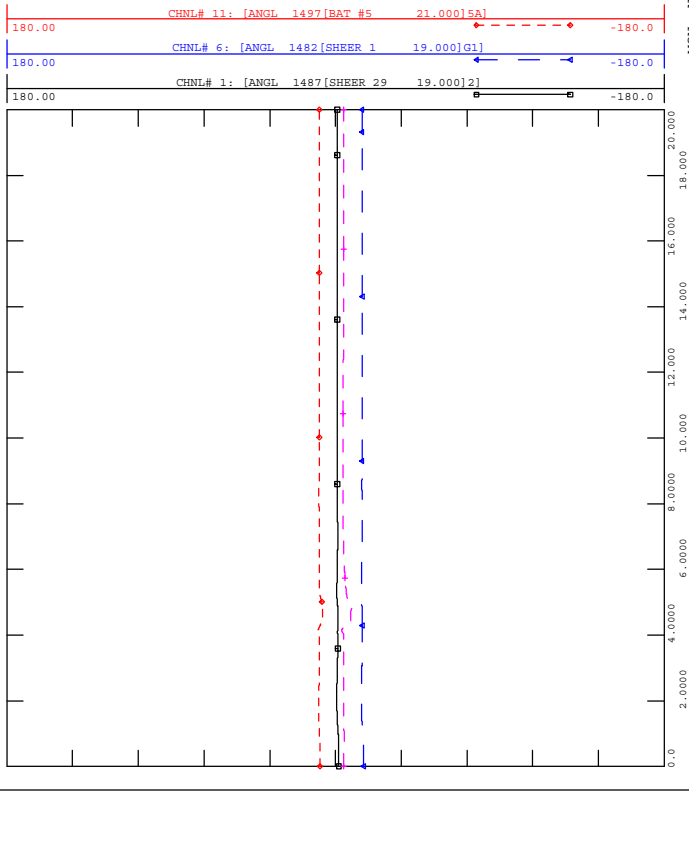


NEED_2021_WP_CASE05
C5-LLG -7L14+7L130

FILE: NEED_2021_WP_CASE05/7L14+7L130.out

MON, NOV 28 2016 22:39

MACHINE ANGEL



NEED_2021_WP_CASE05
C5-LLG -7L14+7L130

FILE: NEED_2021_WP_CASE05/7L14+7L130.out

CHNL# 52: [POWR 9970I[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 9950I[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

MON, NOV 28 2016 22:39

GENERATOR ACTIVE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C5-LLG -7L14+7L130

FILE: NEED_2021_WP_CASE05/7L14+7L130.out

CHNL# 54: [ETRM 9970I[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 9950I[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

MON, NOV 28 2016 22:39

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C5-LLG -7L14+7L130

FILE: NEED_2021_WP_CASE05/7L14+7L130.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

MON, NOV 28 2016 22:39

LINE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C5-LLG -7L14+7L130

FILE: NEED_2021_WP_CASE05/7L14+7L130.out

CHNL# 53: [VARS 9970I[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 9950I[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

MON, NOV 28 2016 22:39

GENERATOR REACTIVE POWER

TIME (SECONDS)

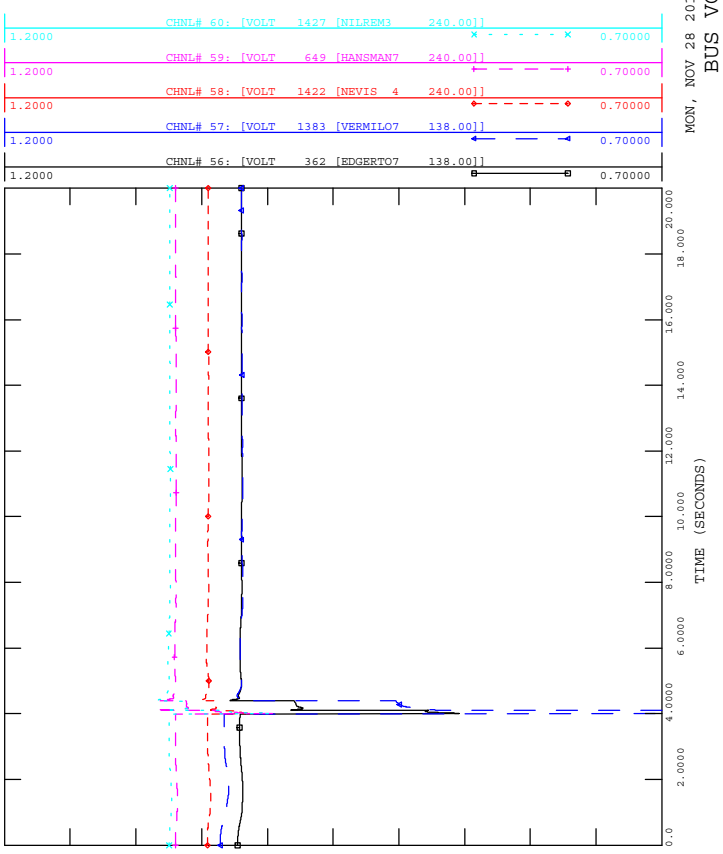
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C5-LLG -7L117+7L53

FILE: NEED_2021_WP_CASE05/7L117+7L53.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

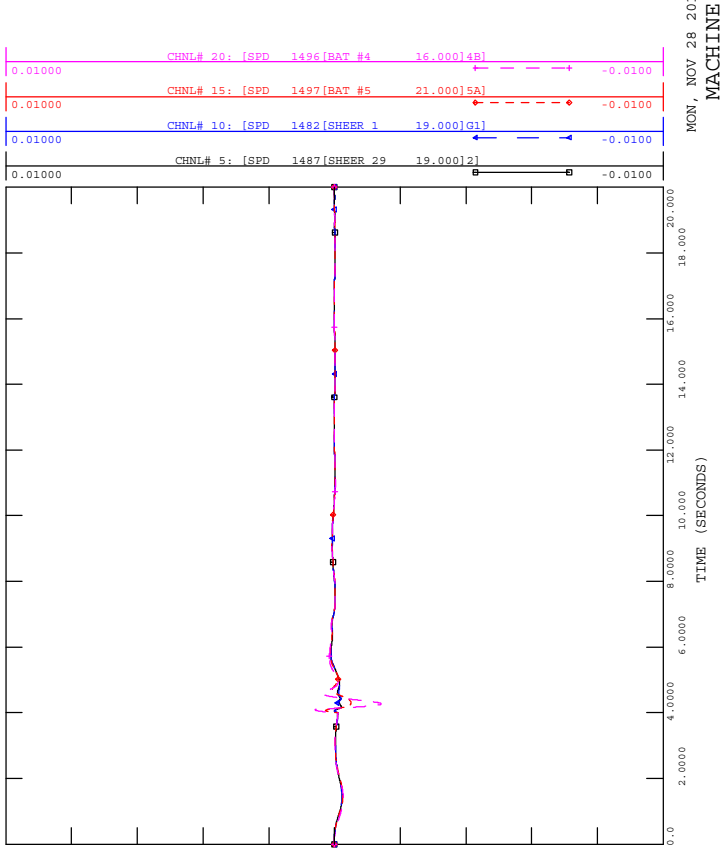


NEED_2021_WP_CASE05
C5-LLG -7L117+7L53

FILE: NEED_2021_WP_CASE05/7L117+7L53.out

MON, NOV 28 2016 22:39

MACHINE SPEED

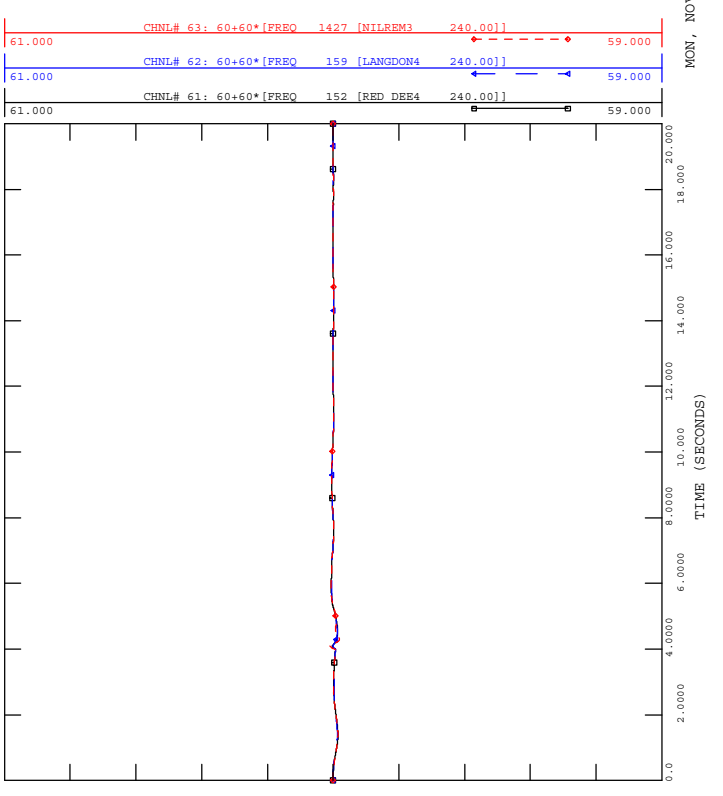


NEED_2021_WP_CASE05
C5-LLG -7L117+7L53

FILE: NEED_2021_WP_CASE05/7L117+7L53.out

MON, NOV 28 2016 22:39

FREQUENCY

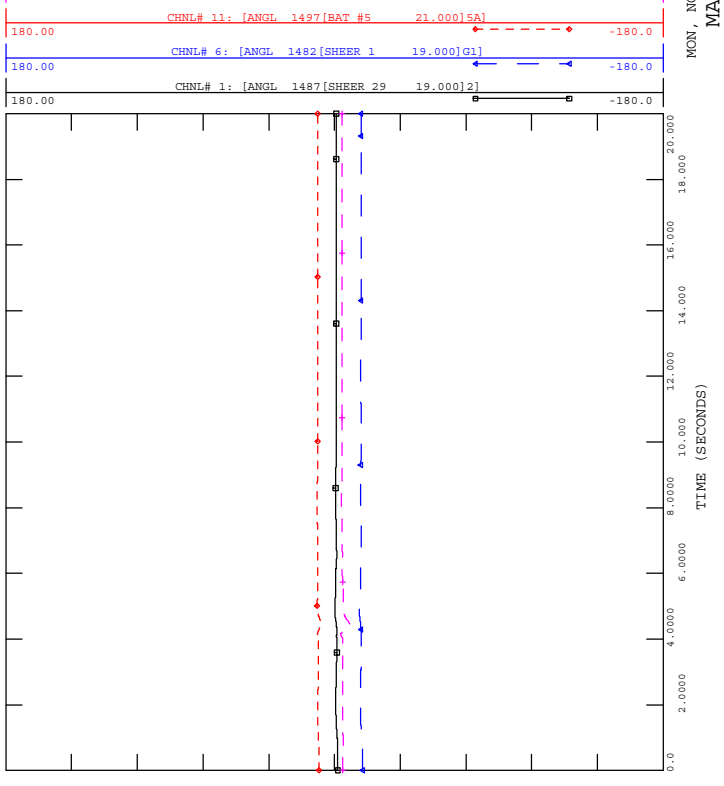


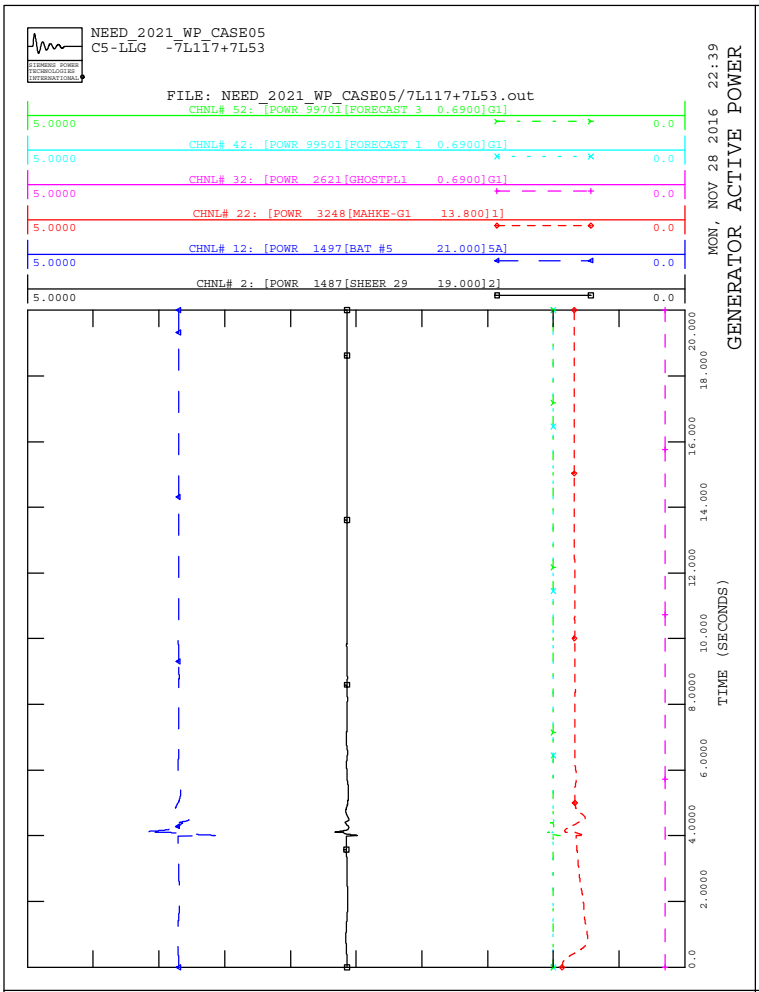
NEED_2021_WP_CASE05
C5-LLG -7L117+7L53

FILE: NEED_2021_WP_CASE05/7L117+7L53.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -7L117+7L53
FILE: NEED_2021_WP_CASE05/7L117+7L53.out
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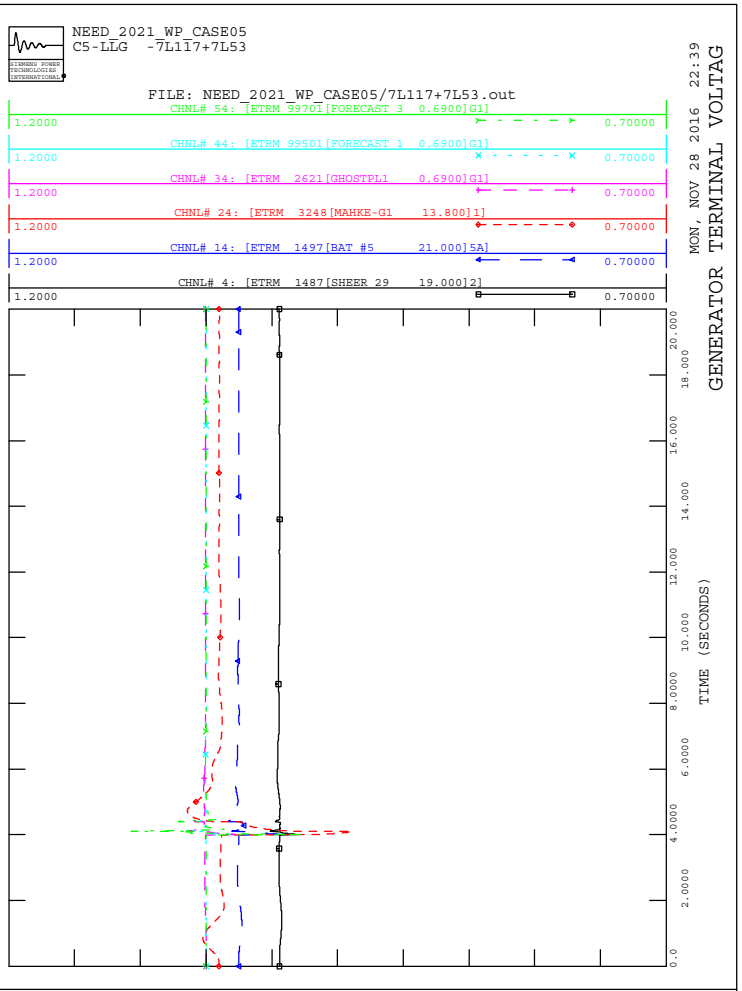
CHNL# 42: [POWR 9950I[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C5-LLG -7L117+7L53
FILE: NEED_2021_WP_CASE05/7L117+7L53.out
CHNL# 54: [ETRM 9970I[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 9950I[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
2.0000
4.0000
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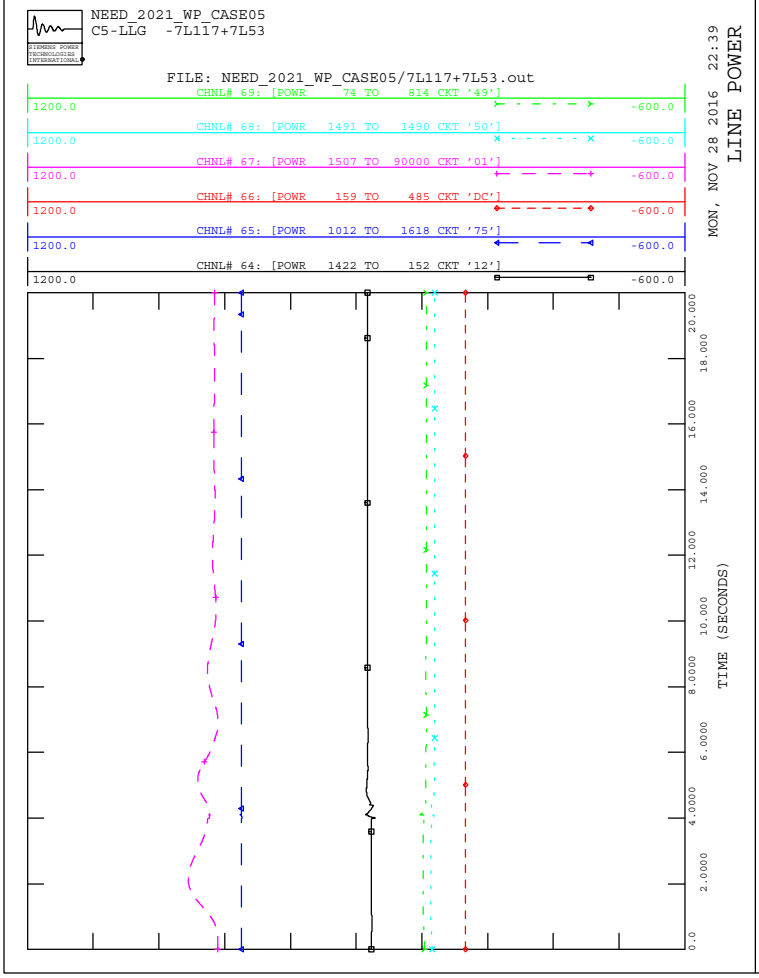
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C5-LLG -7L117+7L53
FILE: NEED_2021_WP_CASE05/7L117+7L53.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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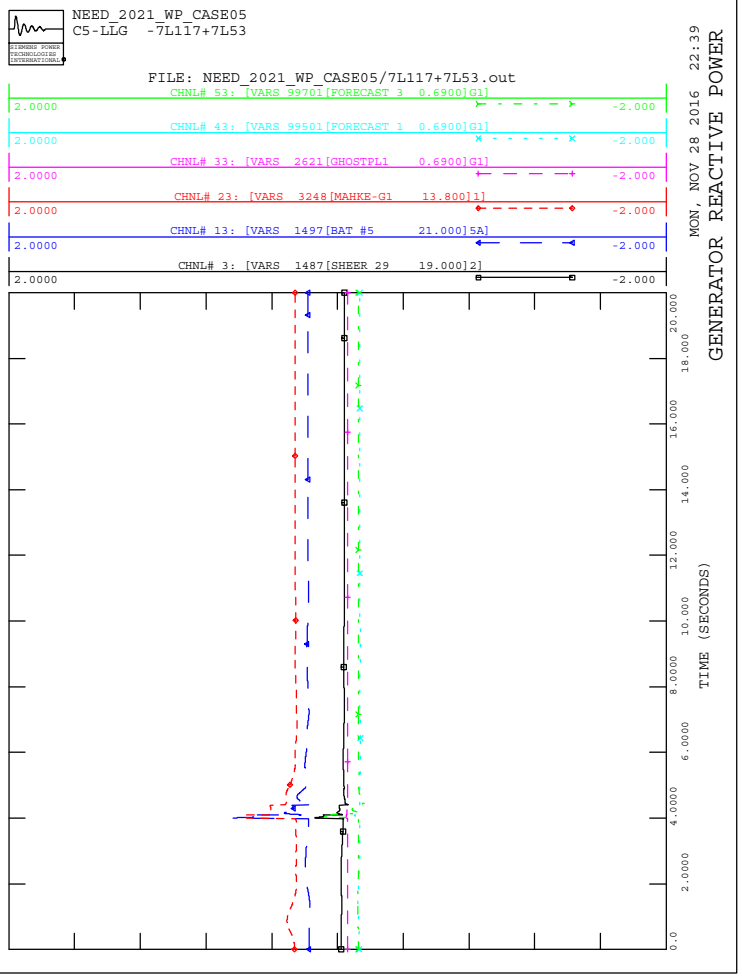
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER


NEED_2021_WP_CASE05
C5-LLG -7L117+7L53
FILE: NEED_2021_WP_CASE05/7L117+7L53.out
CHNL# 53: [VARS 9970I[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 9950I[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
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8.0000
10.000
12.000
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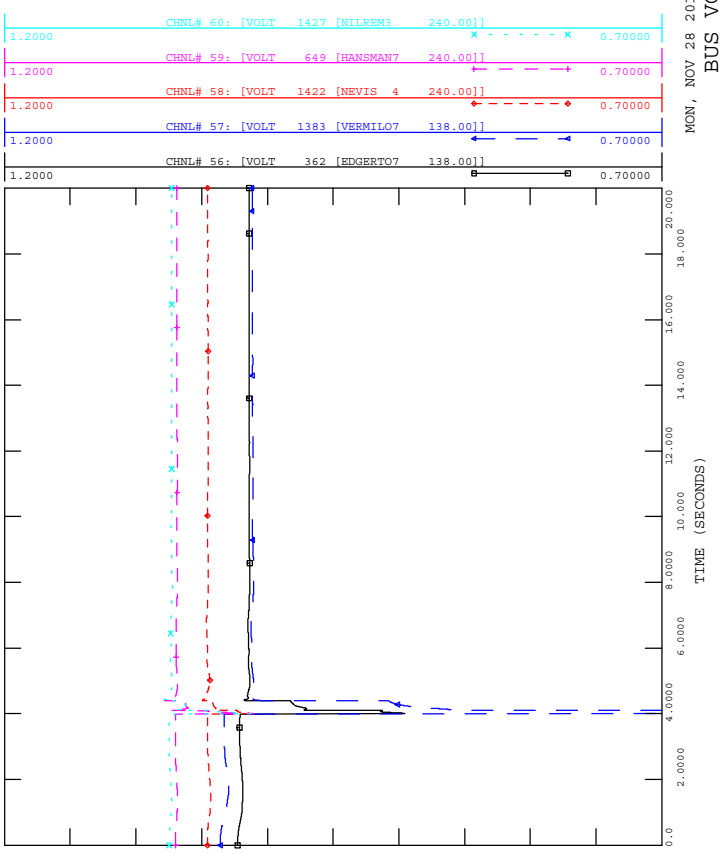
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C5-LLG -7L53+7L70

FILE: NEED_2021_WP_CASE05/7L53+7L70.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

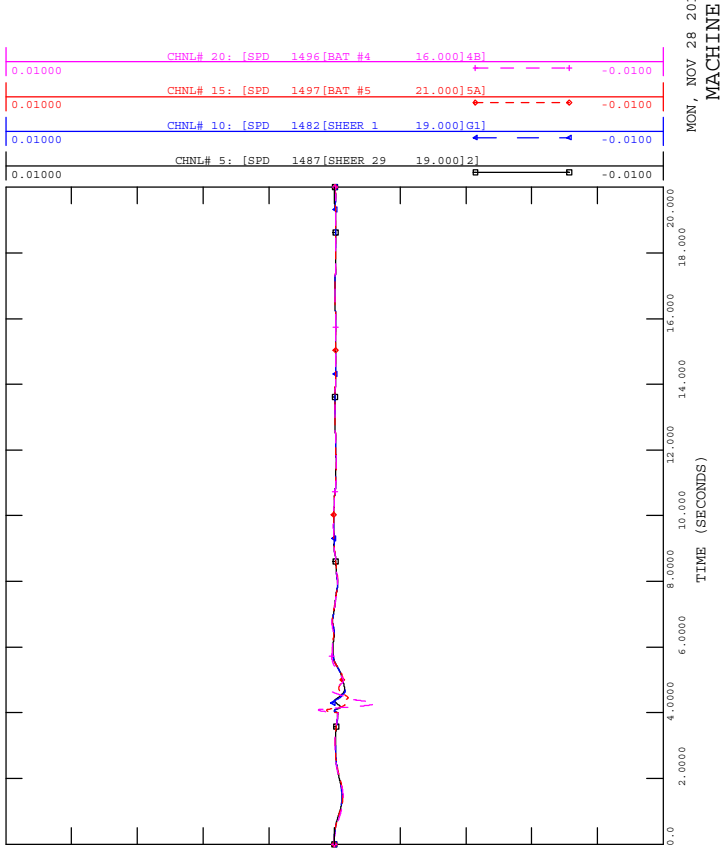


NEED_2021_WP_CASE05
C5-LLG -7L53+7L70

FILE: NEED_2021_WP_CASE05/7L53+7L70.out

MON, NOV 28 2016 22:39

MACHINE SPEED

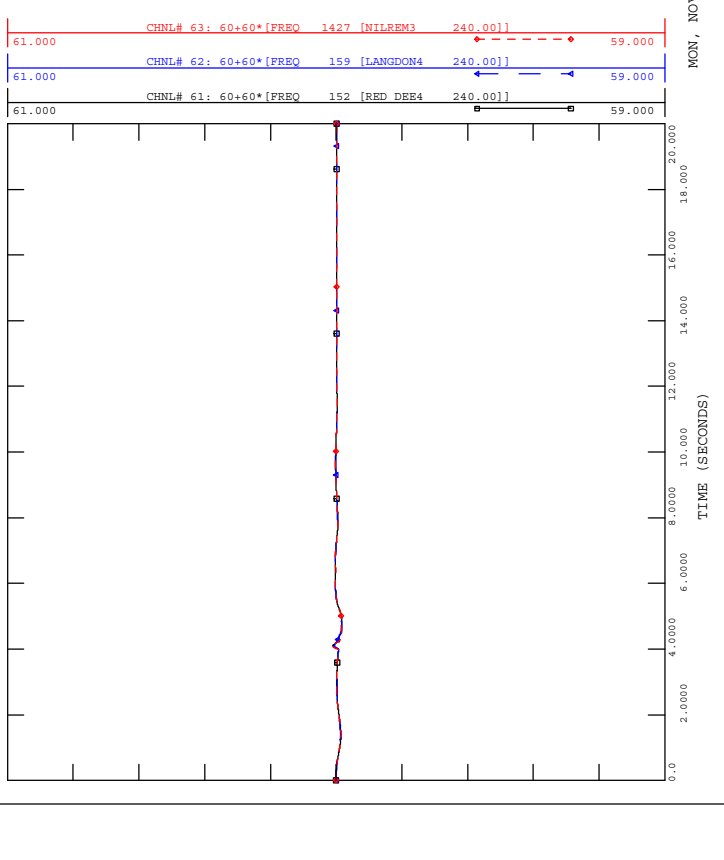


NEED_2021_WP_CASE05
C5-LLG -7L53+7L70

FILE: NEED_2021_WP_CASE05/7L53+7L70.out

MON, NOV 28 2016 22:39

FREQUENCY

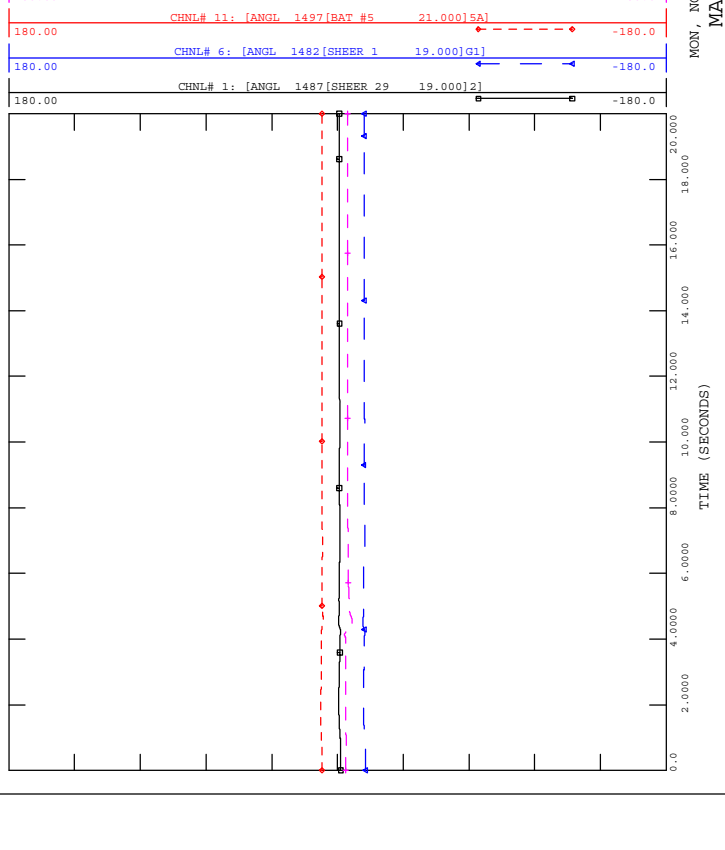


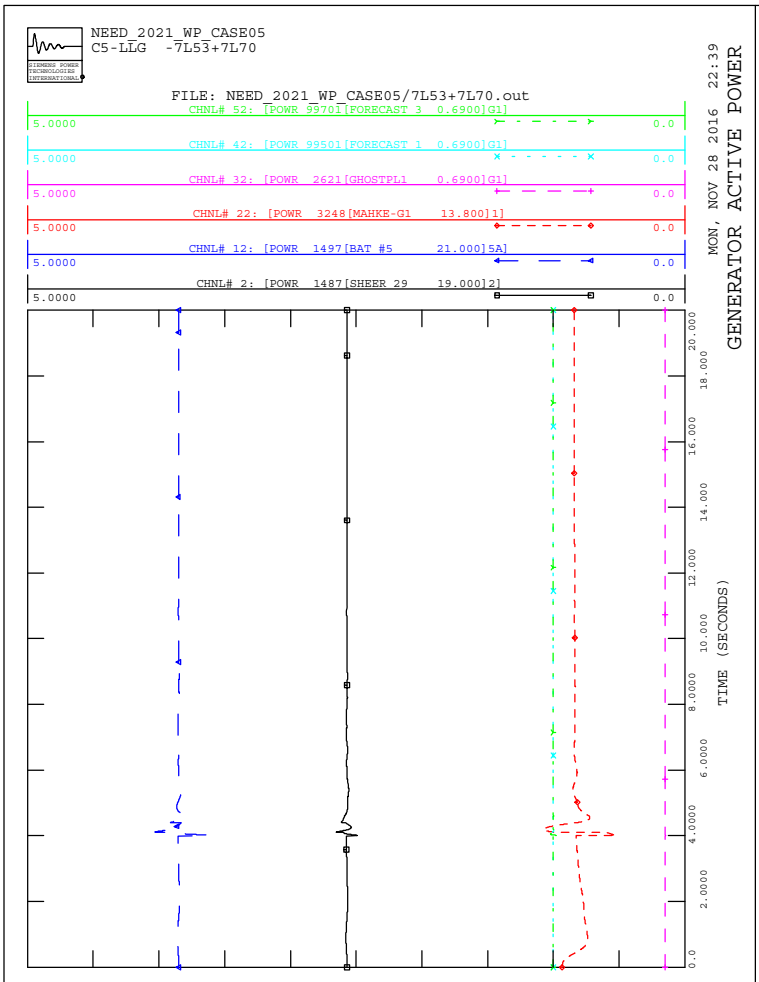
NEED_2021_WP_CASE05
C5-LLG -7L53+7L70

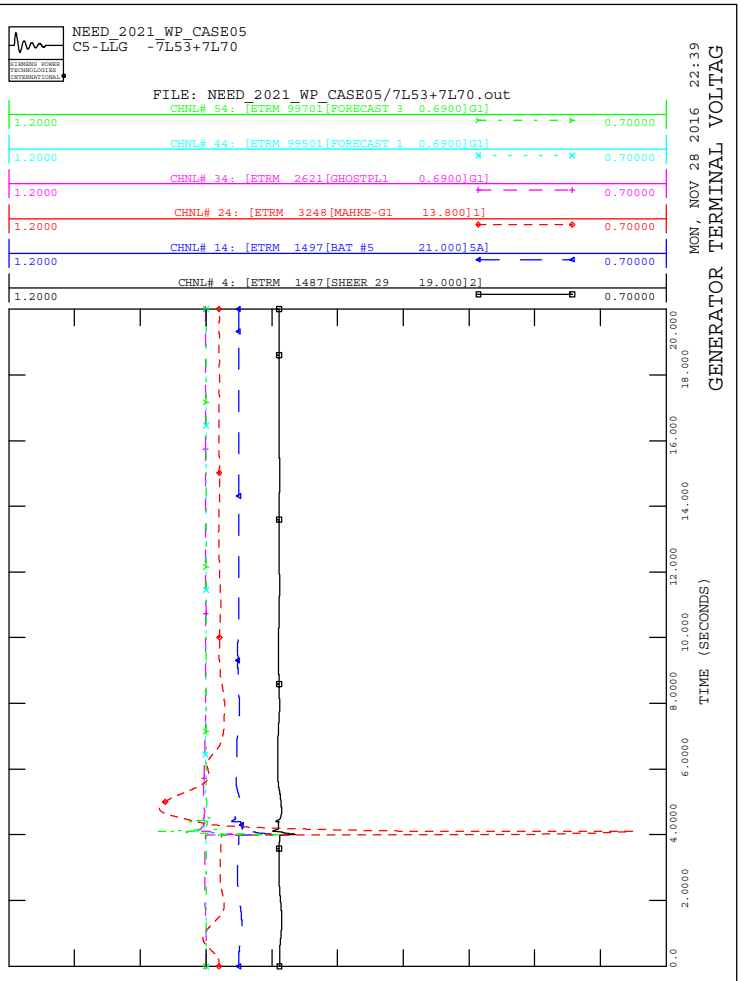
FILE: NEED_2021_WP_CASE05/7L53+7L70.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -7L53+7L70
FILE: NEED_2021_WP_CASE05/7L53+7L70.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER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C5-LLG -7L53+7L70
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CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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0.0
2.0000
4.0000
6.0000
8.0000
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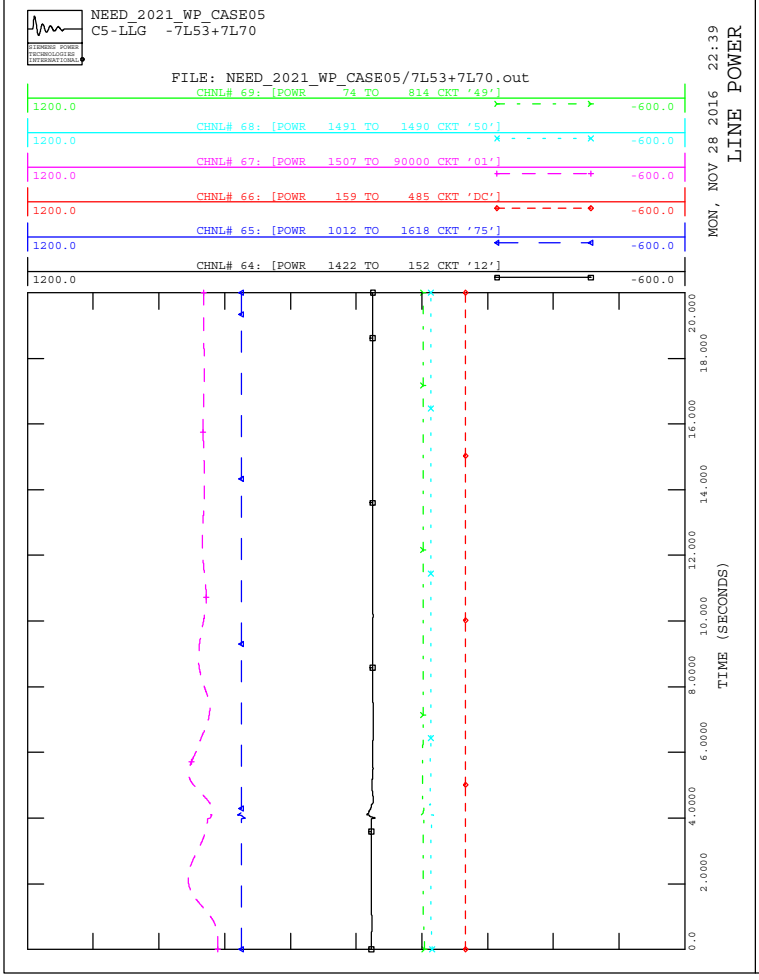
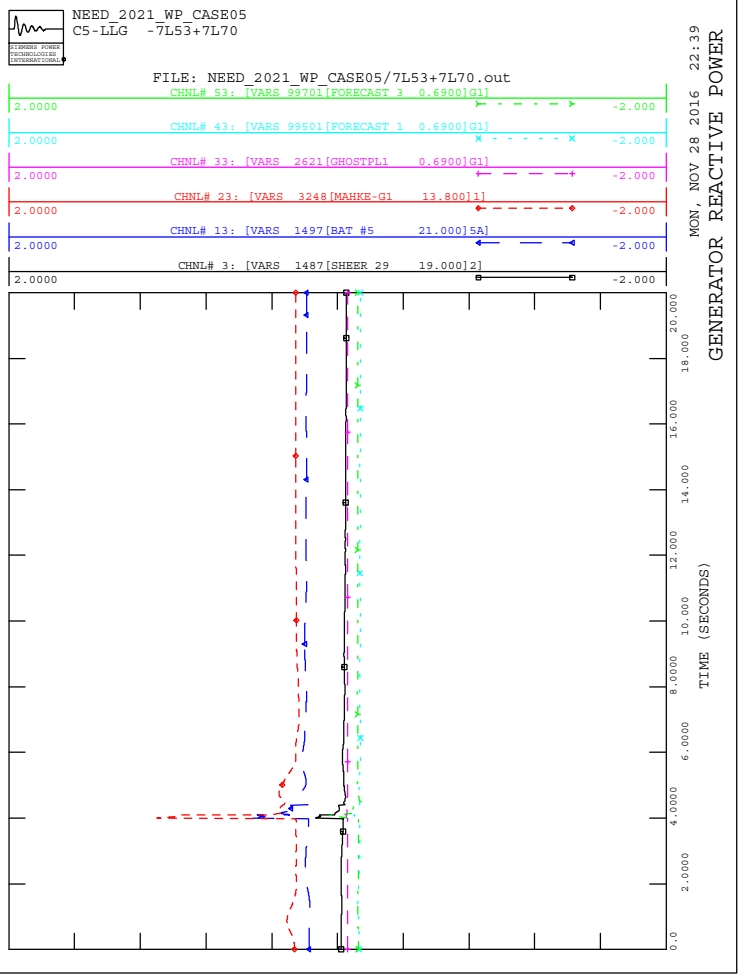
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C5-LLG -7L53+7L70
FILE: NEED_2021_WP_CASE05/7L53+7L70.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER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C5-LLG -7L53+7L70
FILE: NEED_2021_WP_CASE05/7L53+7L70.out
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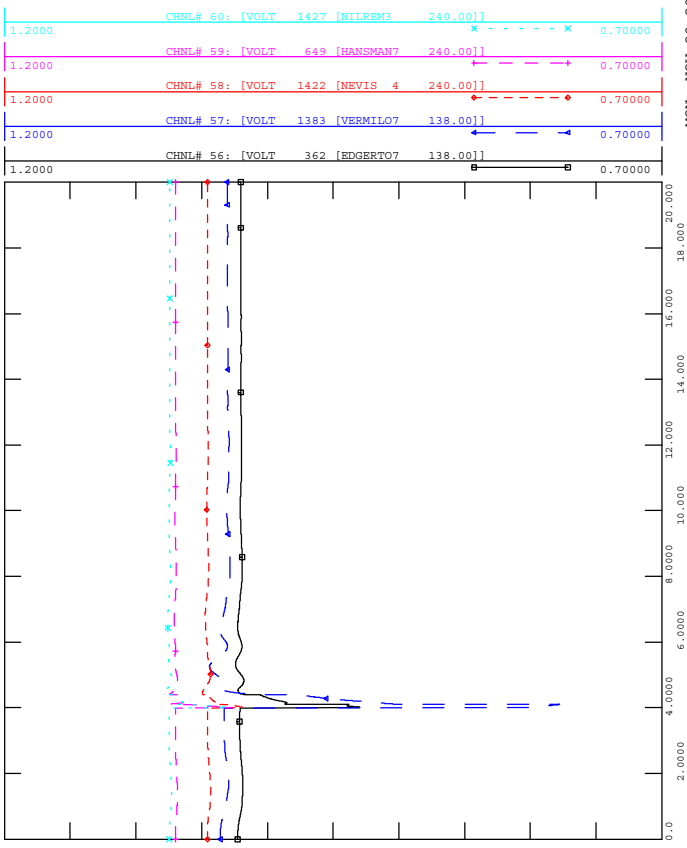
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C5-LLG -7L91+7L66

FILE: NEED_2021_WP_CASE05/7L91+7L66.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

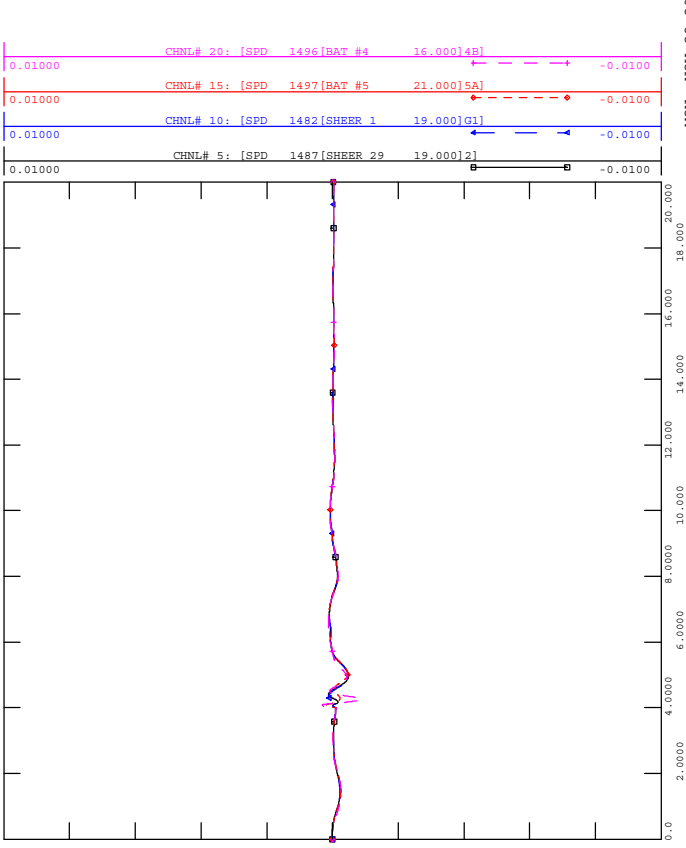


NEED_2021_WP_CASE05
C5-LLG -7L91+7L66

FILE: NEED_2021_WP_CASE05/7L91+7L66.out

MON, NOV 28 2016 22:39

MACHINE SPEED

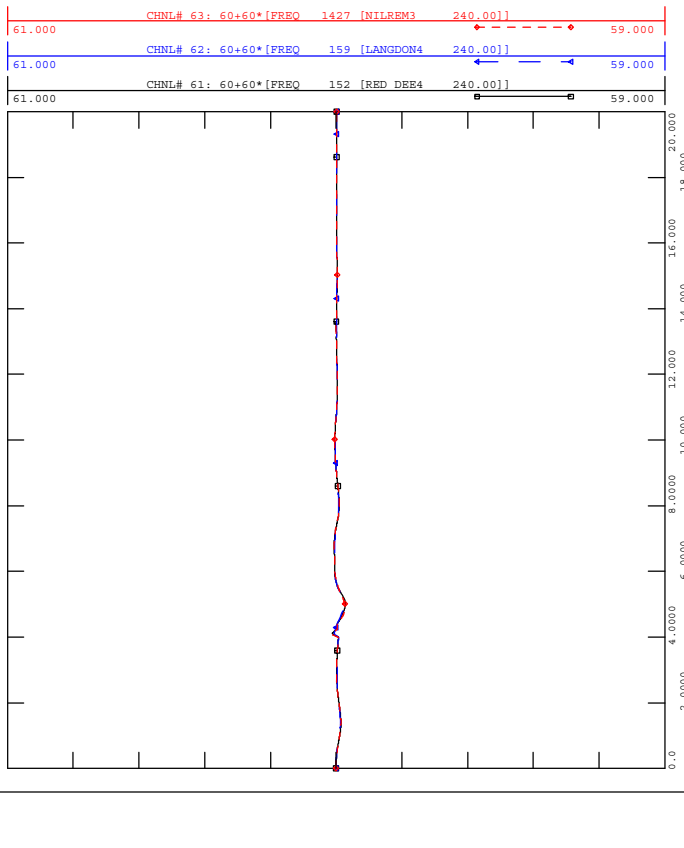


NEED_2021_WP_CASE05
C5-LLG -7L91+7L66

FILE: NEED_2021_WP_CASE05/7L91+7L66.out

MON, NOV 28 2016 22:39

FREQUENCY

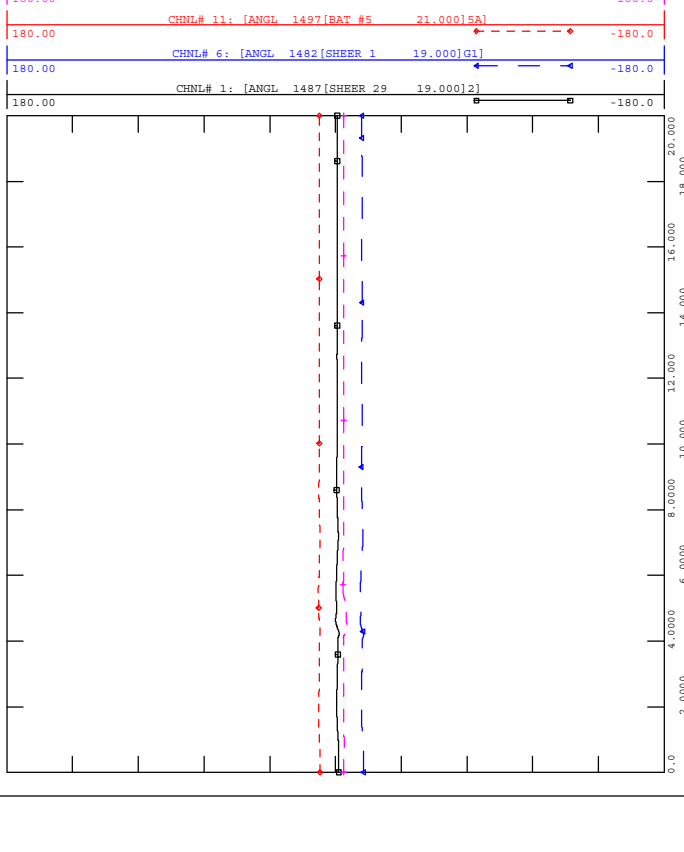


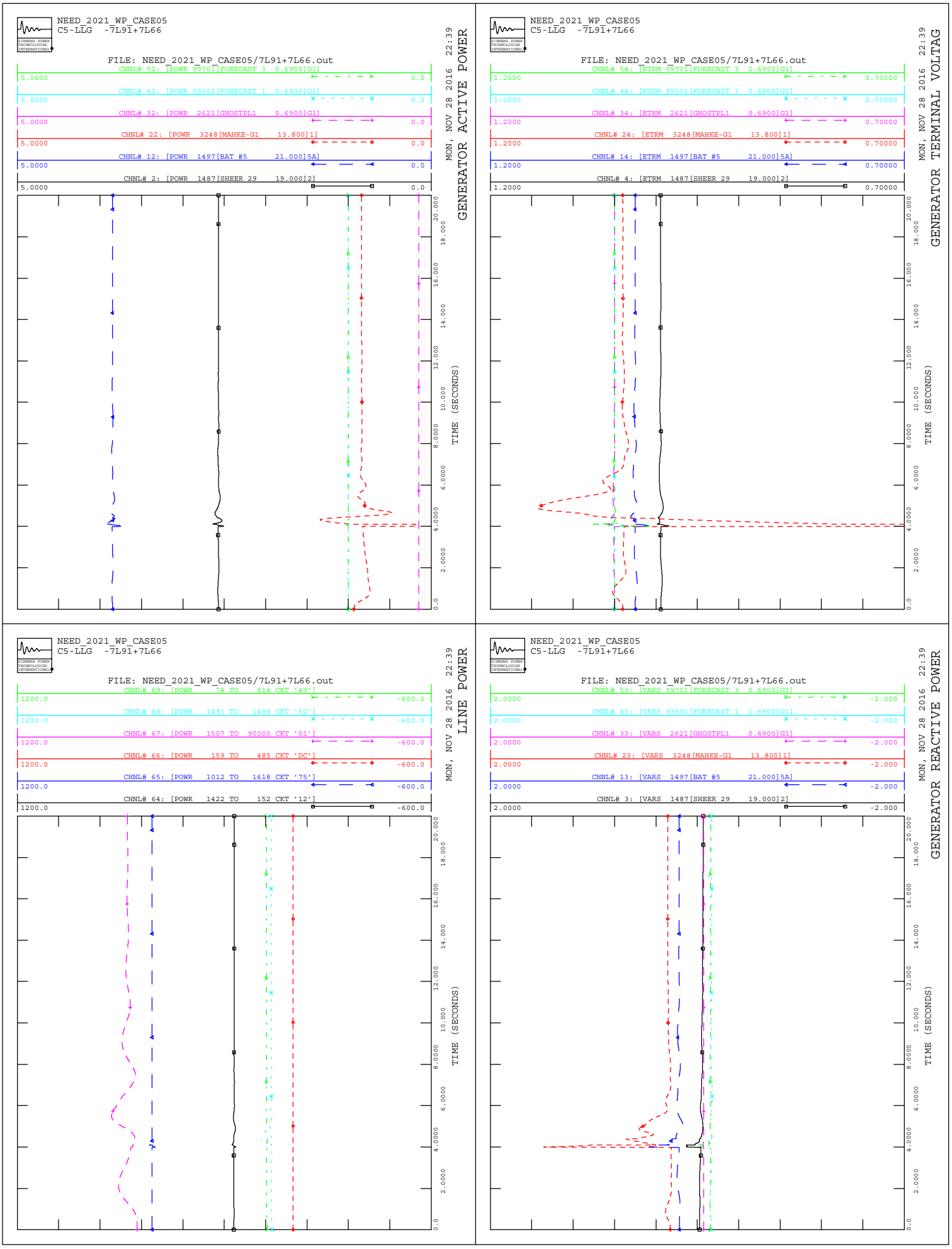
NEED_2021_WP_CASE05
C5-LLG -7L91+7L66

FILE: NEED_2021_WP_CASE05/7L91+7L66.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -7L91+7L66
FILE: NEED_2021_WP_CASE05/7L91+7L66.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -7L91+7L66
FILE: NEED_2021_WP_CASE05/7L91+7L66.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
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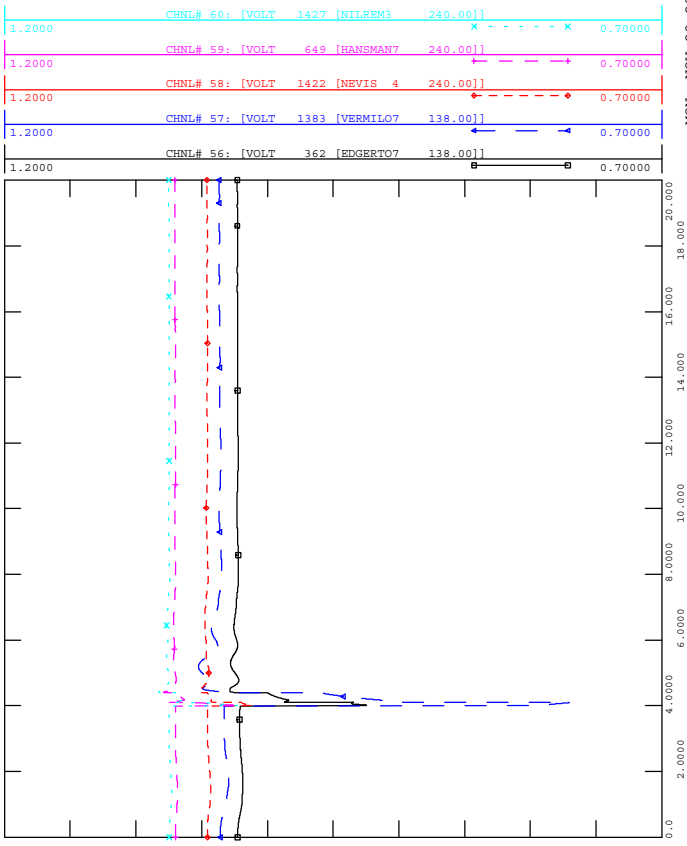
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -7L91+7L66
FILE: NEED_2021_WP_CASE05/7L91+7L66.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:39
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -7L91+7L66
FILE: NEED_2021_WP_CASE05/7L91+7L66.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_WP_CASE05
C5-LLG -7L91+7L89

FILE: NEED_2021_WP_CASE05/7L91+7L89.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

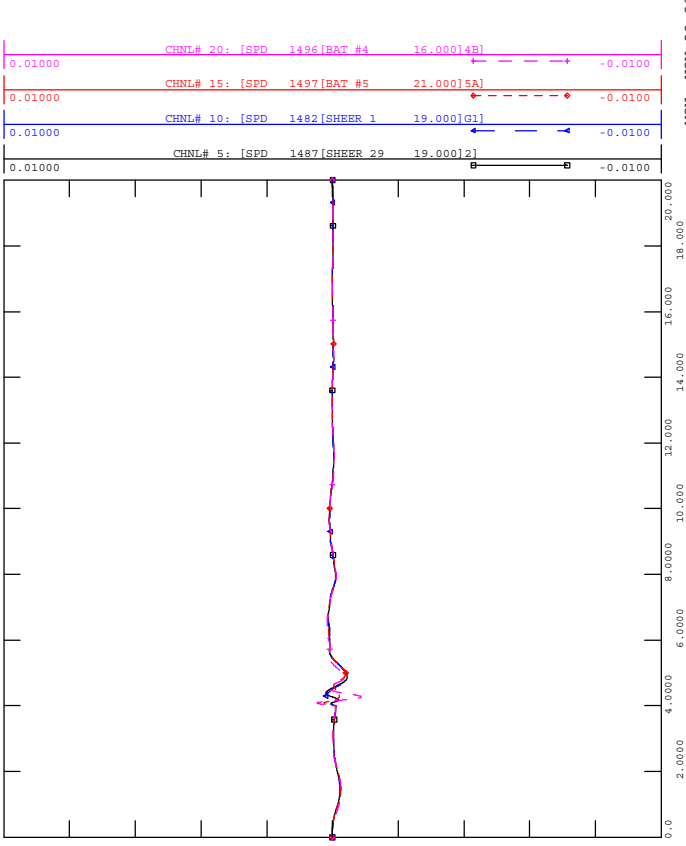


NEED_2021_WP_CASE05
C5-LLG -7L91+7L89

FILE: NEED_2021_WP_CASE05/7L91+7L89.out

MON, NOV 28 2016 22:39

MACHINE SPEED

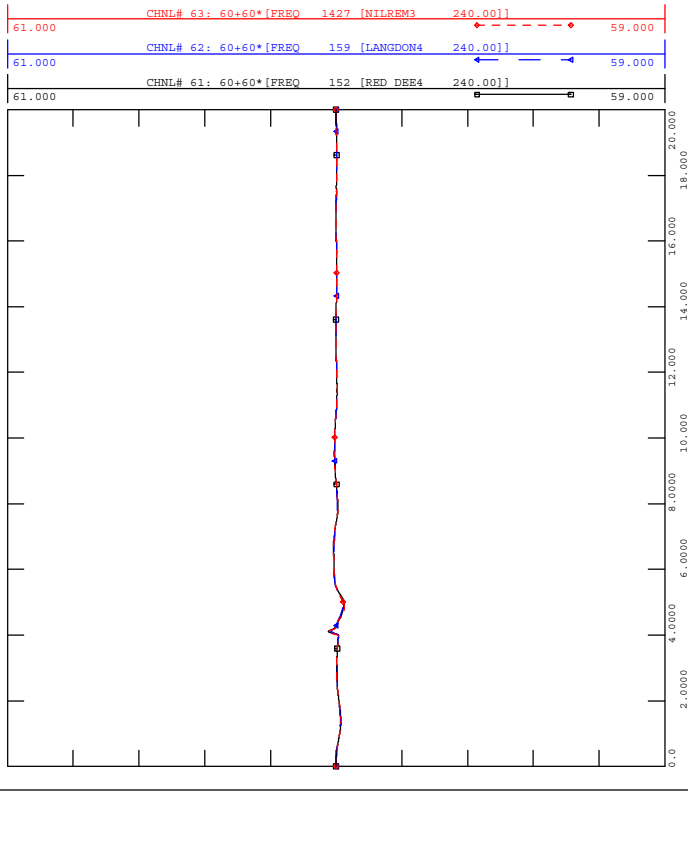


NEED_2021_WP_CASE05
C5-LLG -7L91+7L89

FILE: NEED_2021_WP_CASE05/7L91+7L89.out

MON, NOV 28 2016 22:39

FREQUENCY

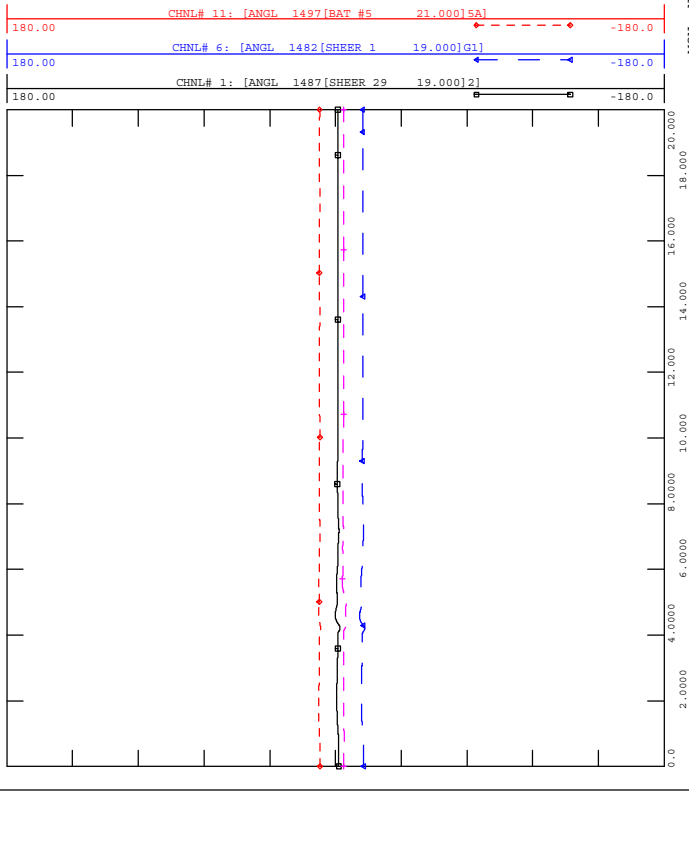


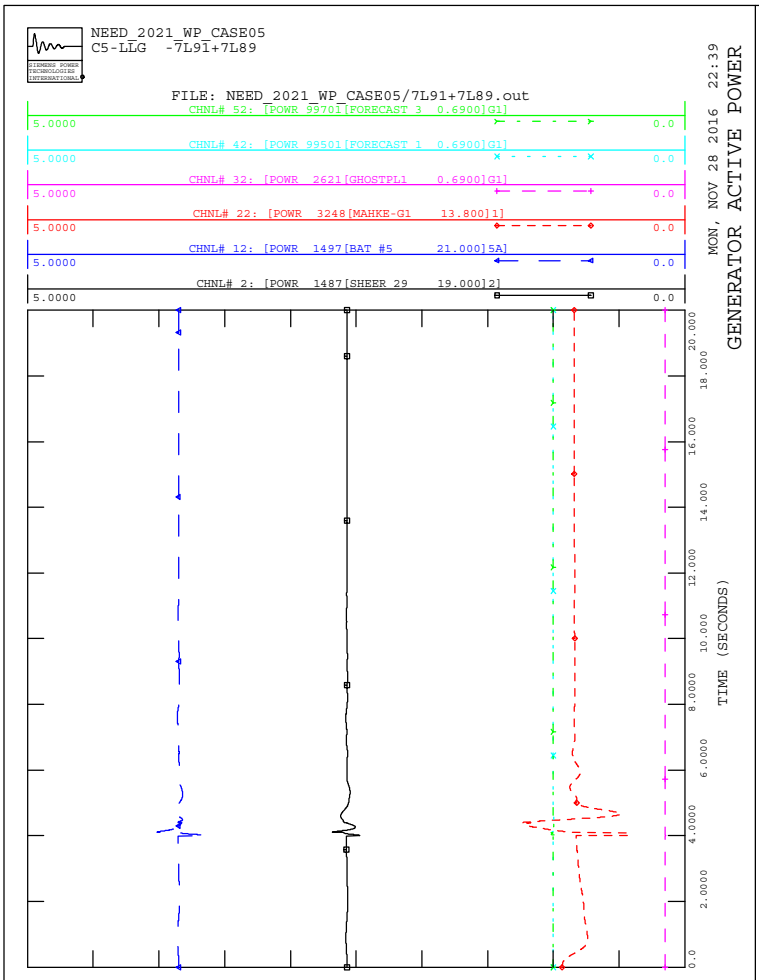
NEED_2021_WP_CASE05
C5-LLG -7L91+7L89

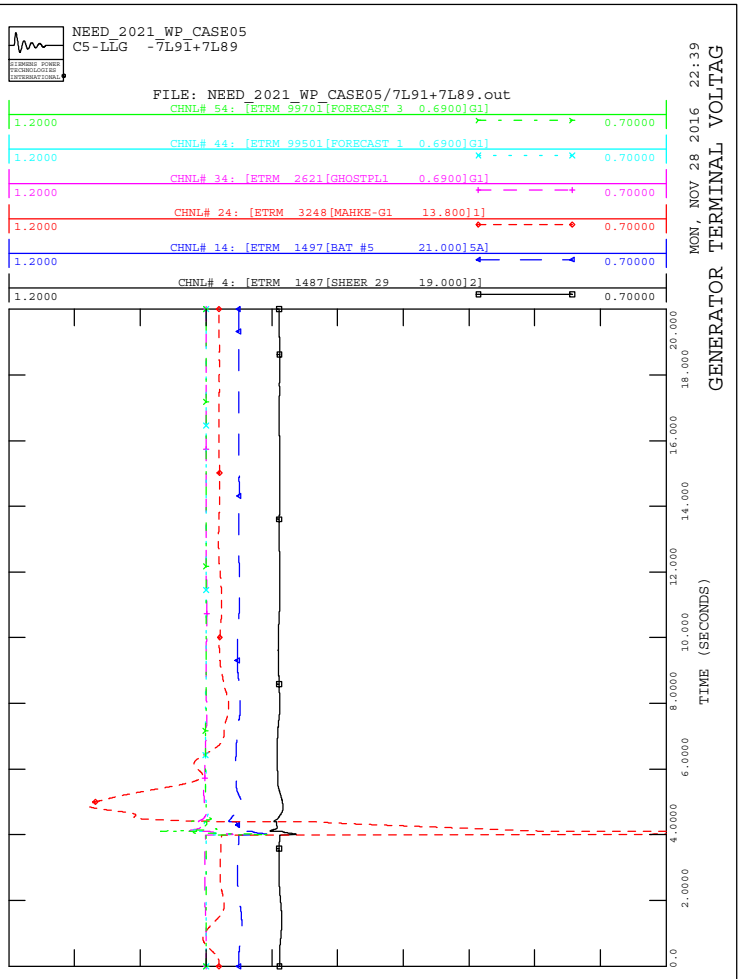
FILE: NEED_2021_WP_CASE05/7L91+7L89.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -7L91+7L89
FILE: NEED_2021_WP_CASE05/7L91+7L89.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER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C5-LLG -7L91+7L89
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CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.70000
2.0000
4.0000
6.0000
8.0000
10.000
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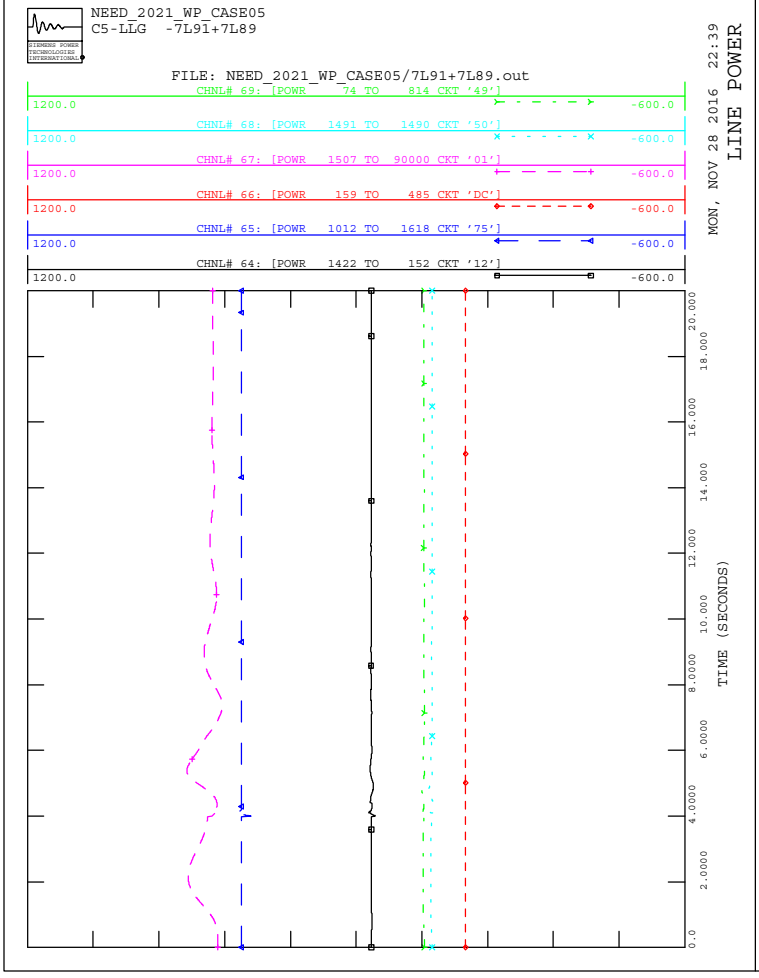
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG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CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
-600.0
2.0000
4.0000
6.0000
8.0000
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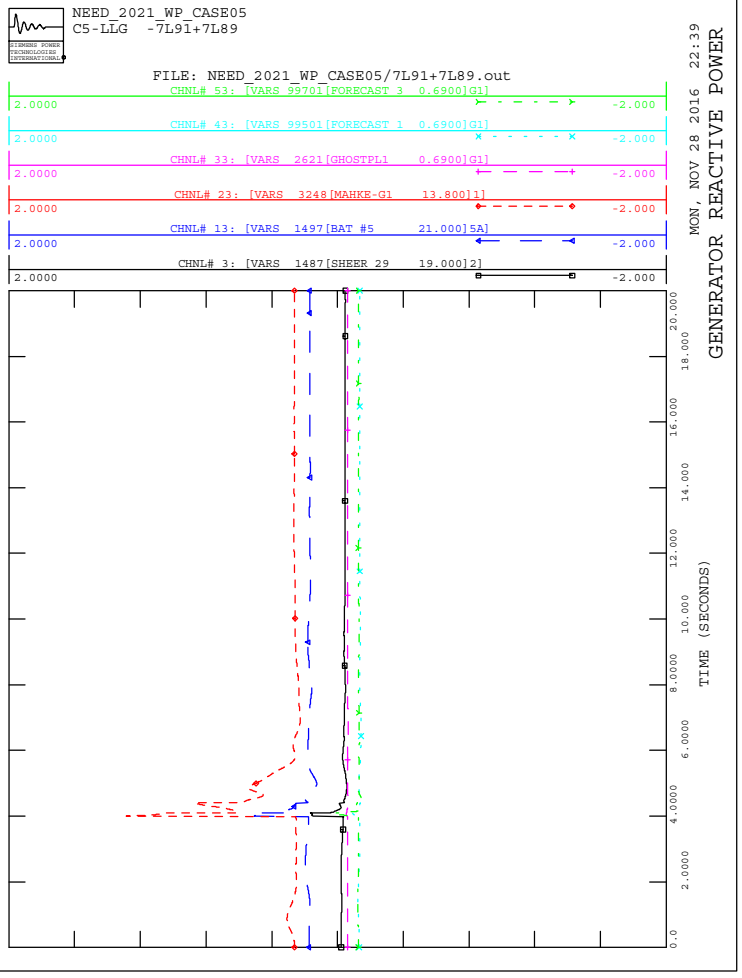
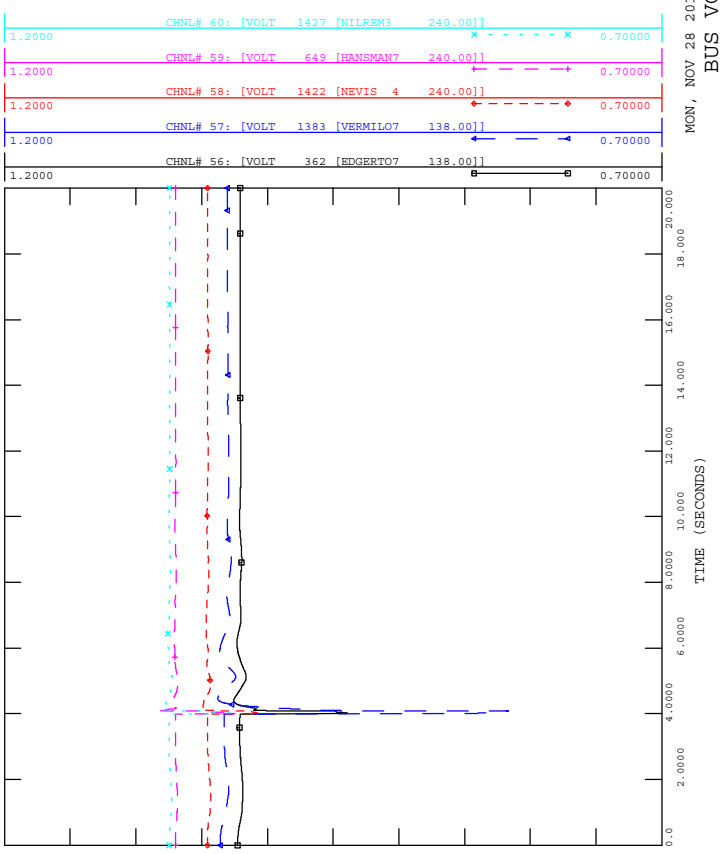
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER


NEED_2021_WP_CASE05
C5-LLG -7L91+7L89
FILE: NEED_2021_WP_CASE05/7L91+7L89.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
-2.000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C5-LLG -9L36+9L37

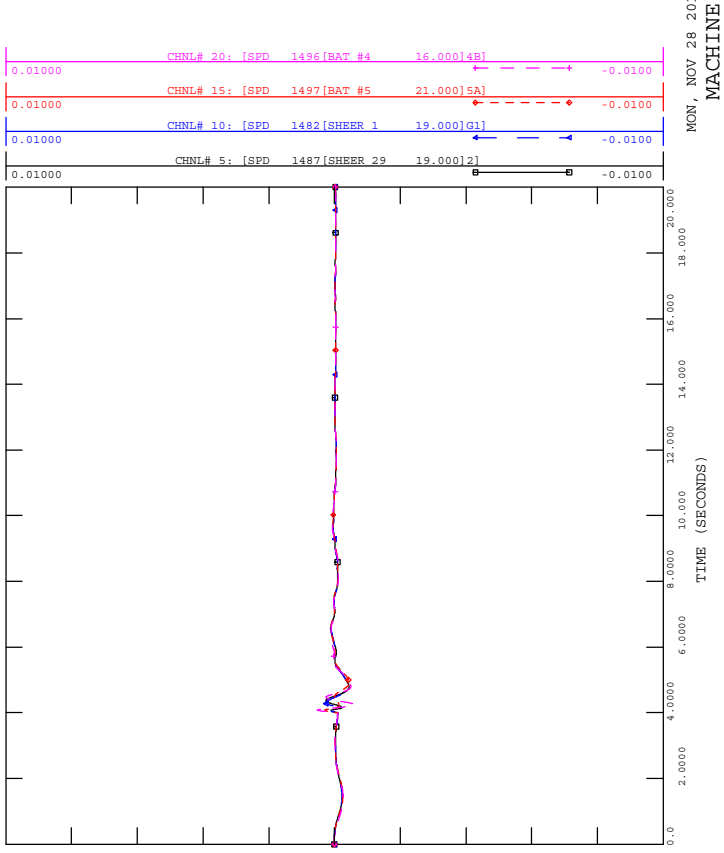
FILE: NEED_2021_WP_CASE05/9L36+9L37.out



MON, NOV 28 2016 22:39
BUS VOLTAGE

NEED_2021_WP_CASE05
C5-LLG -9L36+9L37

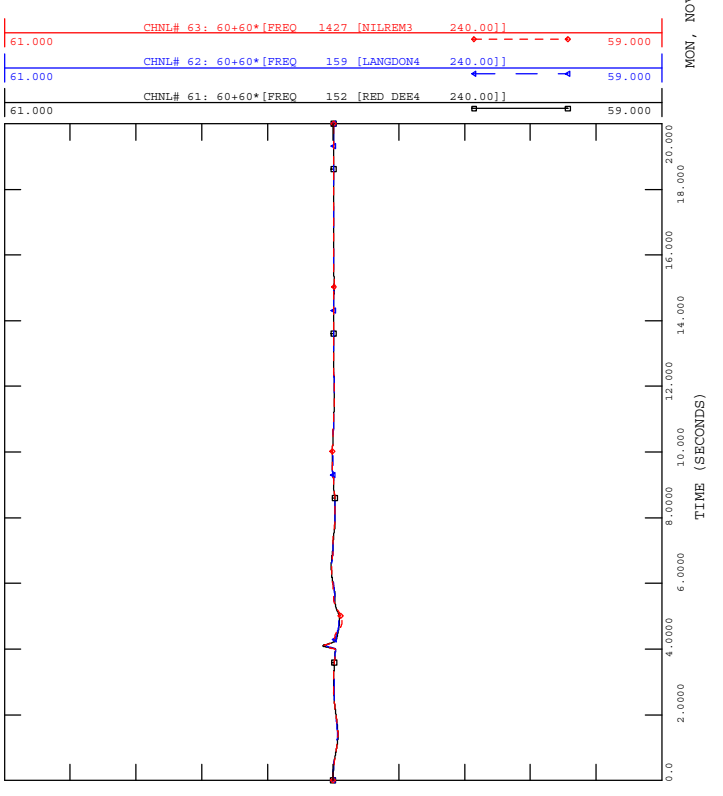
FILE: NEED_2021_WP_CASE05/9L36+9L37.out



MON, NOV 28 2016 22:39
MACHINE SPEED

NEED_2021_WP_CASE05
C5-LLG -9L36+9L37

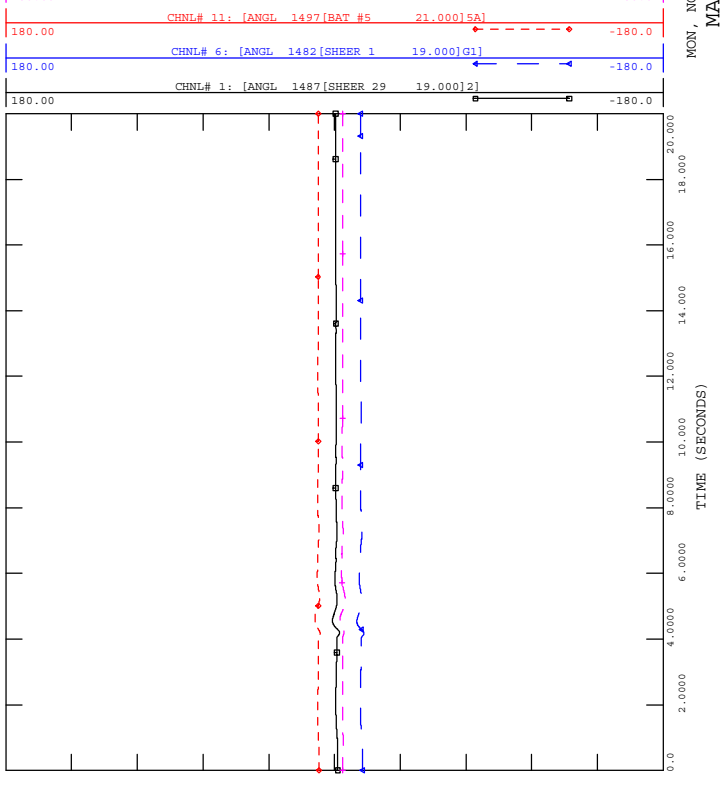
FILE: NEED_2021_WP_CASE05/9L36+9L37.out



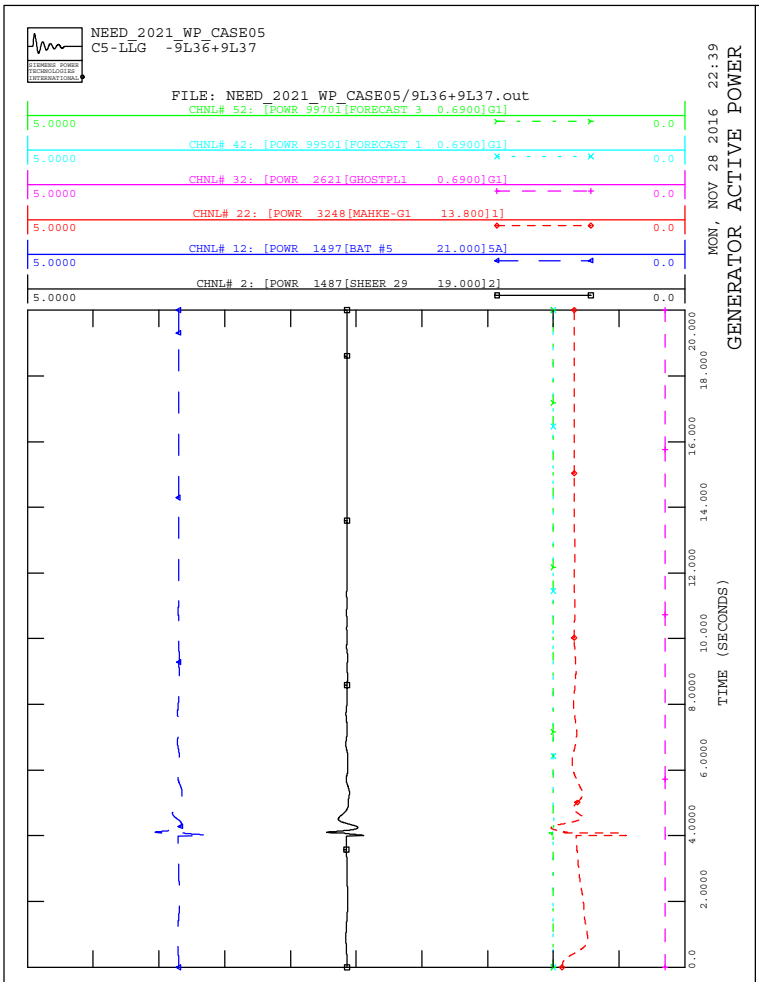
MON, NOV 28 2016 22:39
FREQUENCY

NEED_2021_WP_CASE05
C5-LLG -9L36+9L37

FILE: NEED_2021_WP_CASE05/9L36+9L37.out



MON, NOV 28 2016 22:39
MACHINE ANGEL


NEED_2021_WP_CASE05
C5-LLG -9L36+9L37
FILE: NEED_2021_WP_CASE05/9L36+9L37.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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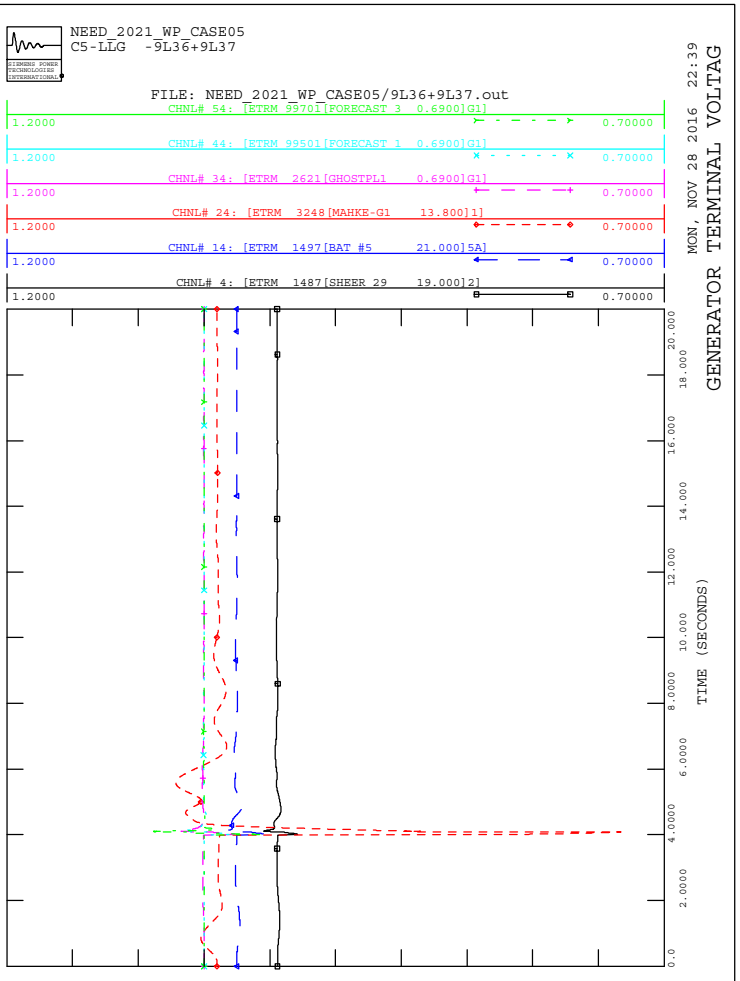
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C5-LLG -9L36+9L37
FILE: NEED_2021_WP_CASE05/9L36+9L37.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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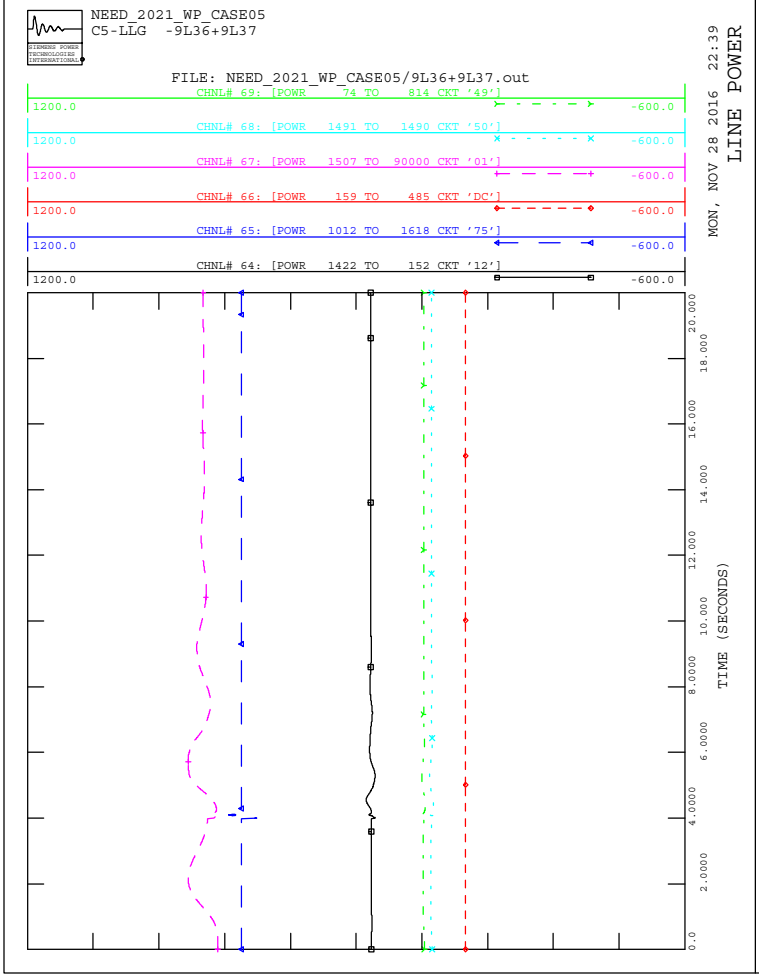
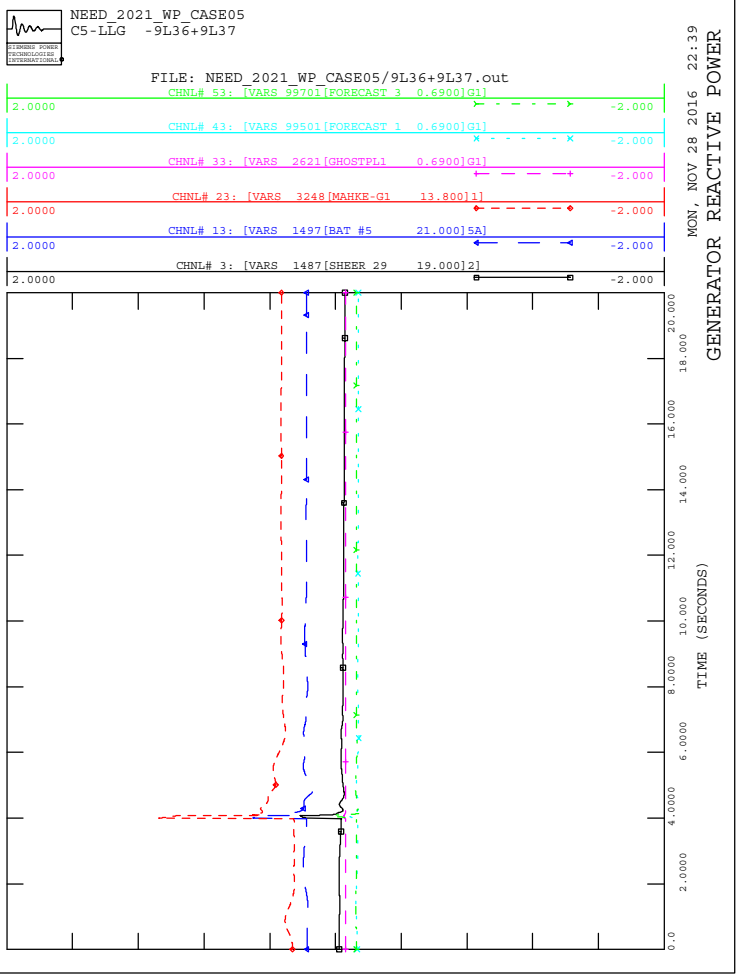
0.70000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C5-LLG -9L36+9L37
FILE: NEED_2021_WP_CASE05/9L36+9L37.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER

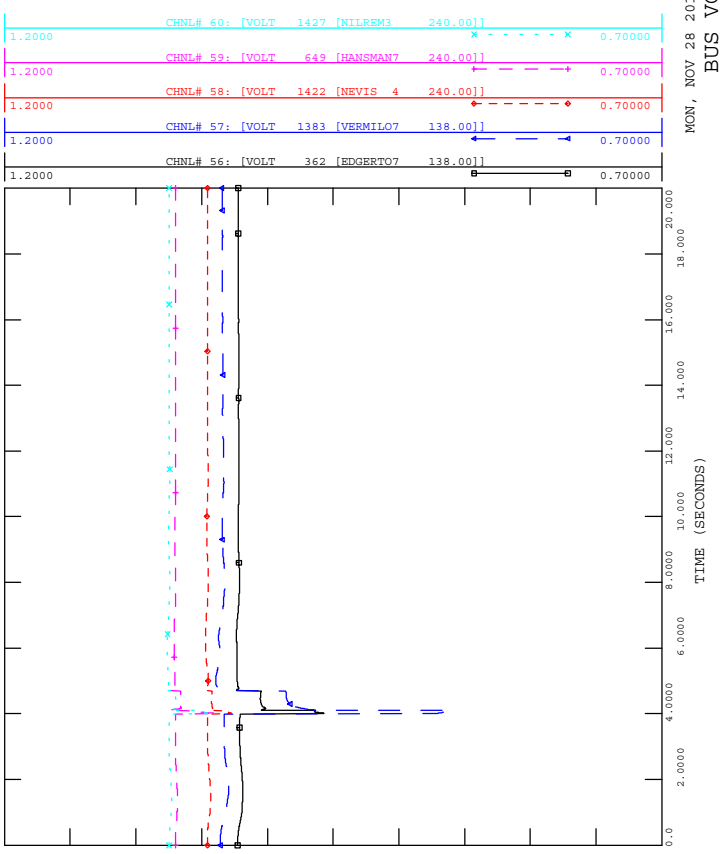

NEED_2021_WP_CASE05
C5-LLG -9L36+9L37
FILE: NEED_2021_WP_CASE05/9L36+9L37.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C5-LLG -7L139+7L70

FILE: NEED_2021_WP_CASE05/7L139+7L70.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

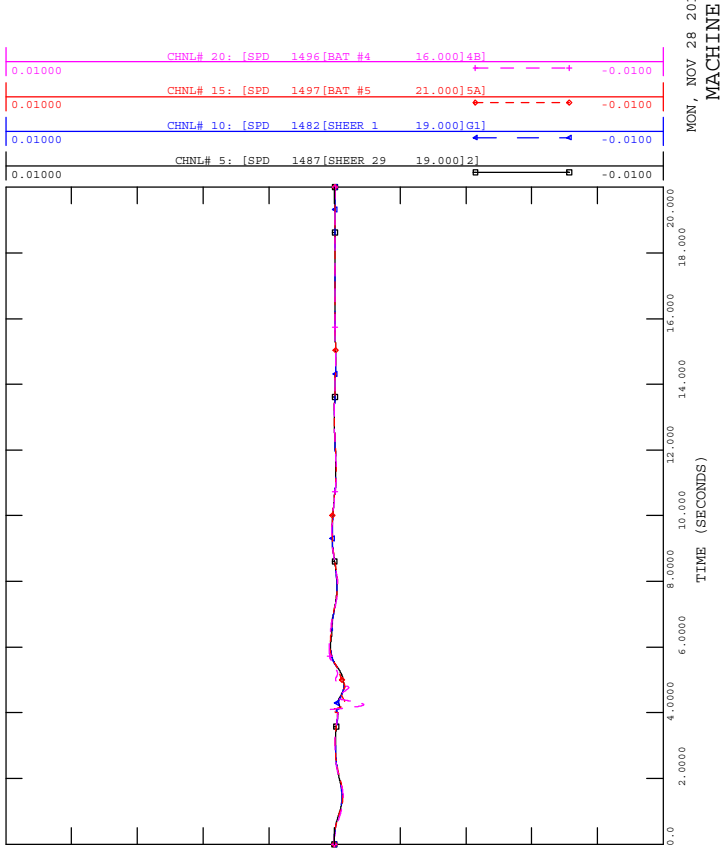


NEED_2021_WP_CASE05
C5-LLG -7L139+7L70

FILE: NEED_2021_WP_CASE05/7L139+7L70.out

MON, NOV 28 2016 22:39

MACHINE SPEED

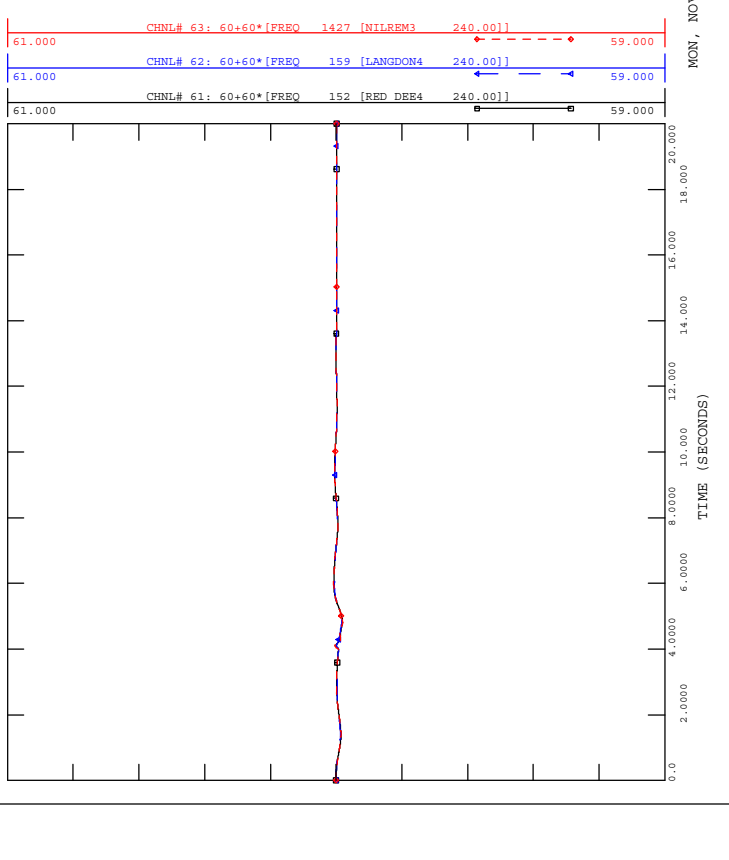


NEED_2021_WP_CASE05
C5-LLG -7L139+7L70

FILE: NEED_2021_WP_CASE05/7L139+7L70.out

MON, NOV 28 2016 22:39

FREQUENCY

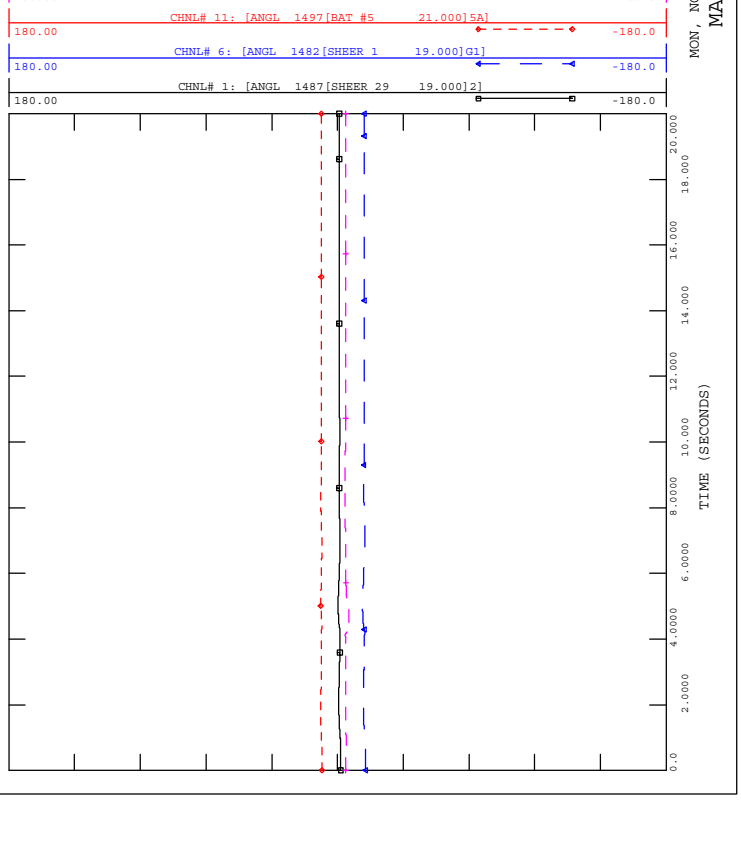


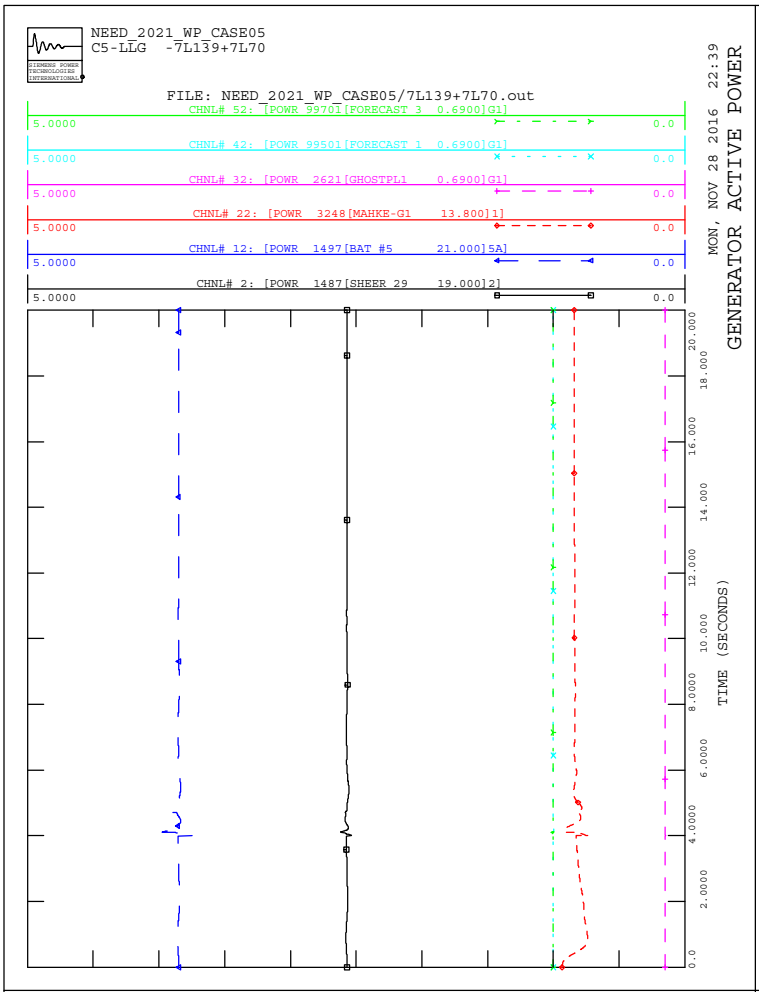
NEED_2021_WP_CASE05
C5-LLG -7L139+7L70

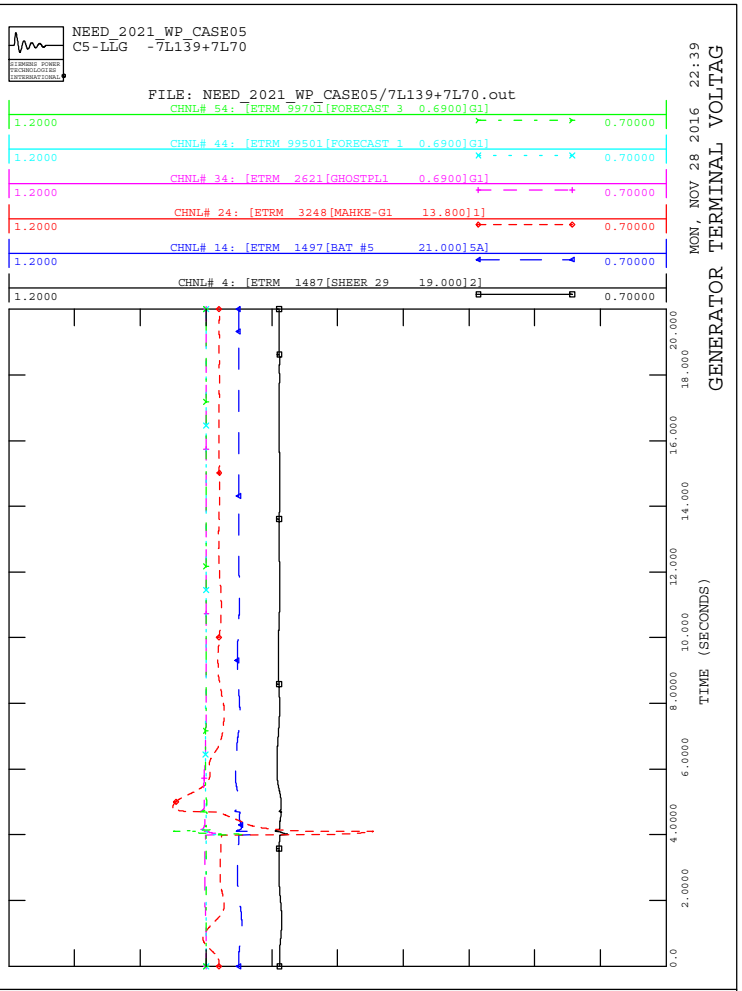
FILE: NEED_2021_WP_CASE05/7L139+7L70.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -7L139+7L70
FILE: NEED_2021_WP_CASE05/7L139+7L70.out
CHNL# 52: [POWR 9970I[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 9950I[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C5-LLG -7L139+7L70
FILE: NEED_2021_WP_CASE05/7L139+7L70.out
CHNL# 54: [ETRM 9970I[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 9950I[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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8.0000
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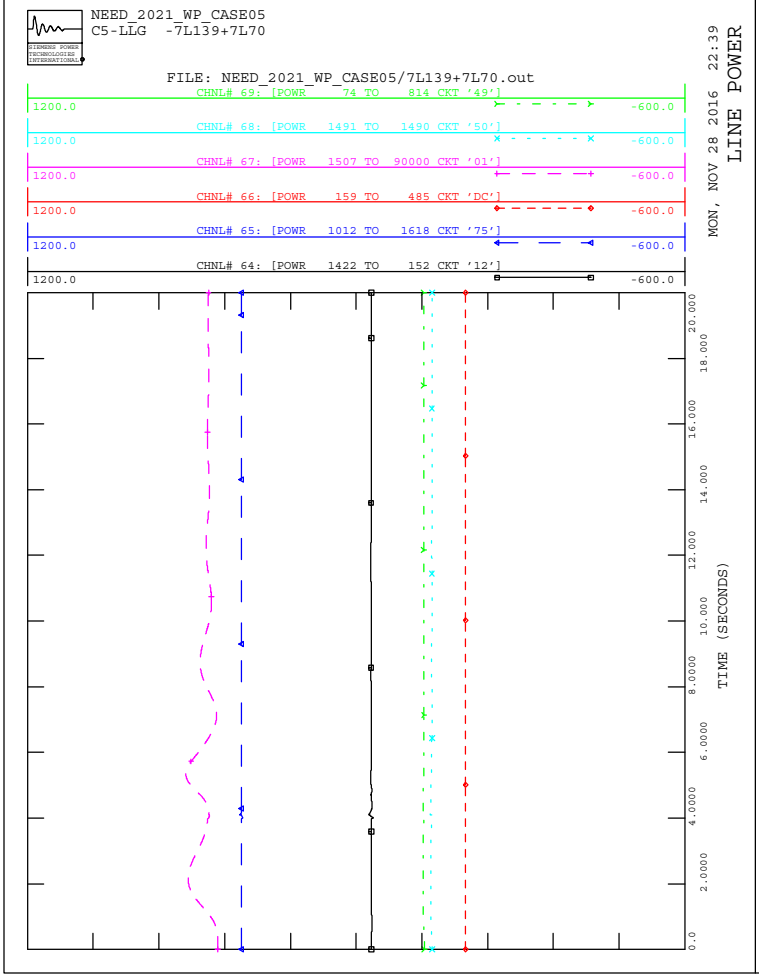
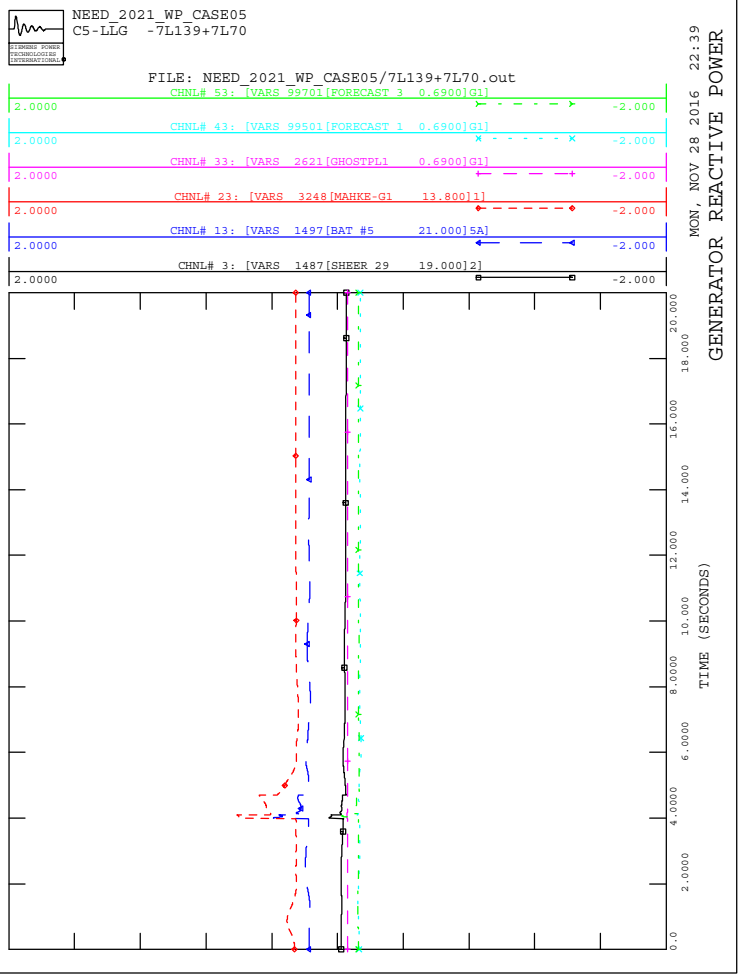
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C5-LLG -7L139+7L70
FILE: NEED_2021_WP_CASE05/7L139+7L70.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER

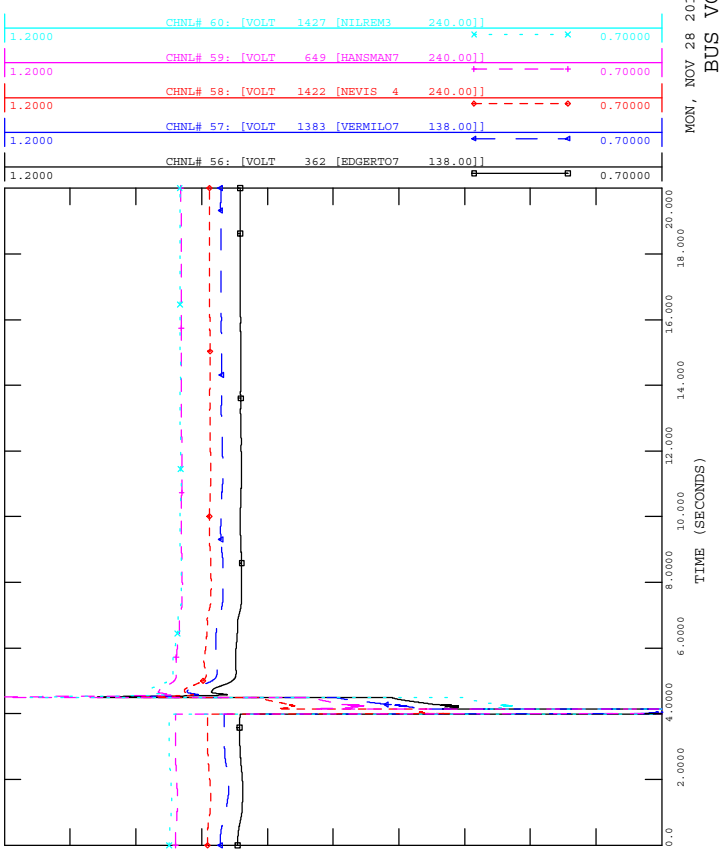

NEED_2021_WP_CASE05
C5-LLG -7L139+7L70
FILE: NEED_2021_WP_CASE05/7L139+7L70.out
CHNL# 53: [VARS 9970I[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 9950I[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C5-LLG -679L+680L

FILE: NEED_2021_WP_CASE05/679L+680L.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

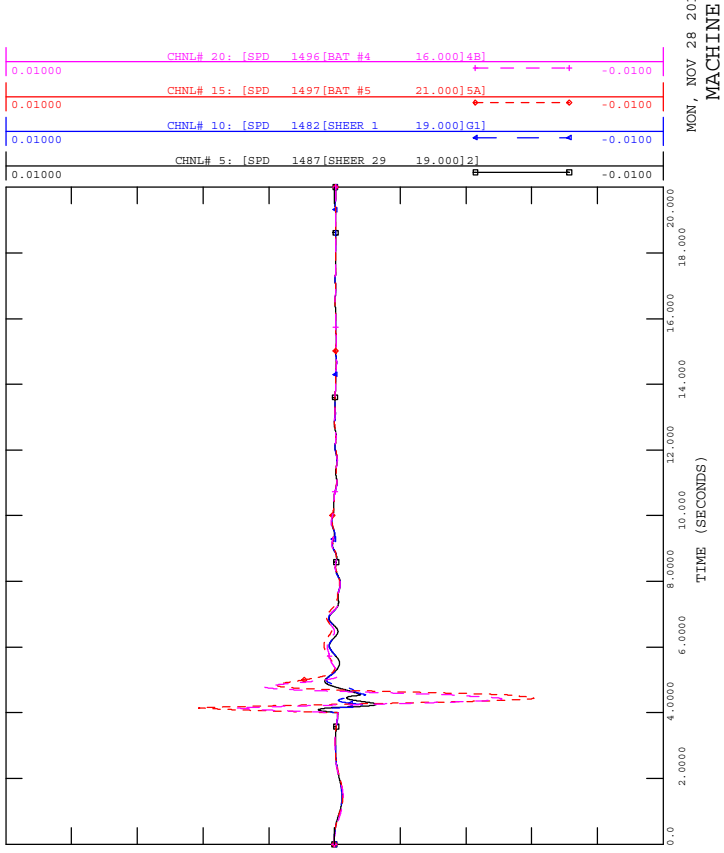


NEED_2021_WP_CASE05
C5-LLG -679L+680L

FILE: NEED_2021_WP_CASE05/679L+680L.out

MON, NOV 28 2016 22:39

MACHINE SPEED

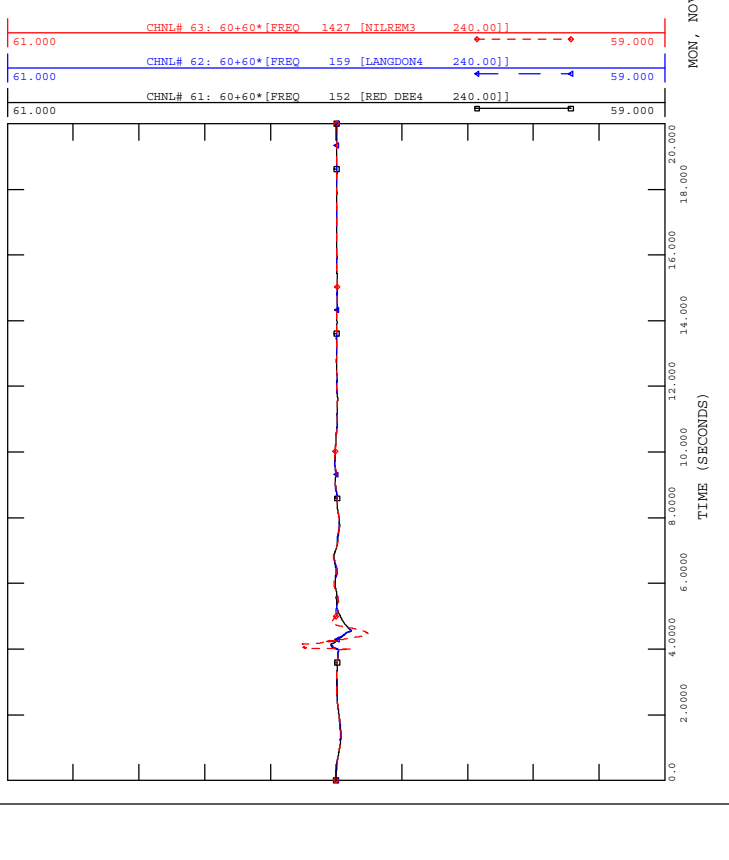


NEED_2021_WP_CASE05
C5-LLG -679L+680L

FILE: NEED_2021_WP_CASE05/679L+680L.out

MON, NOV 28 2016 22:39

FREQUENCY

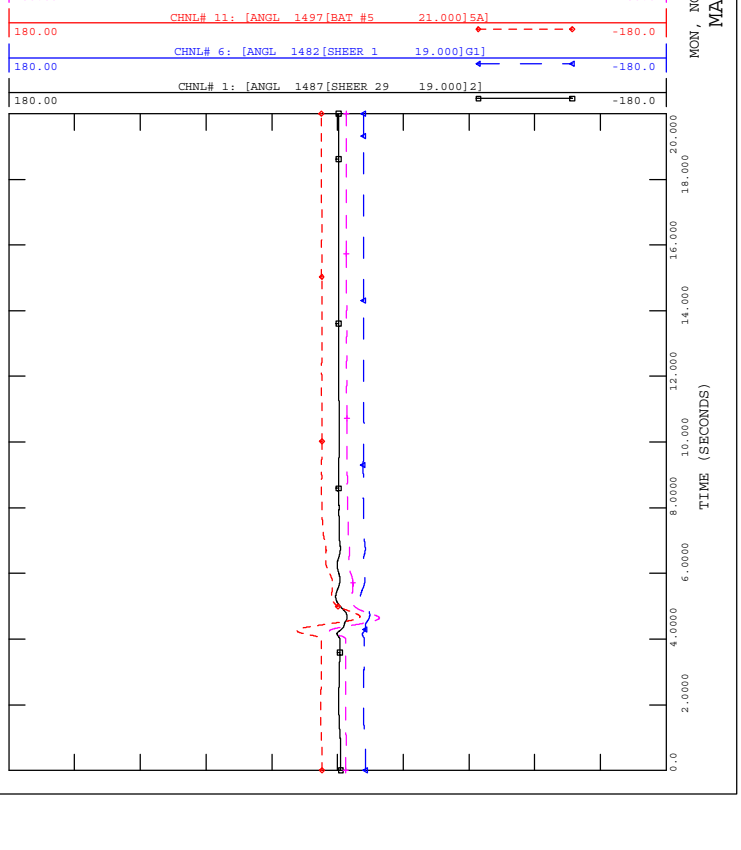


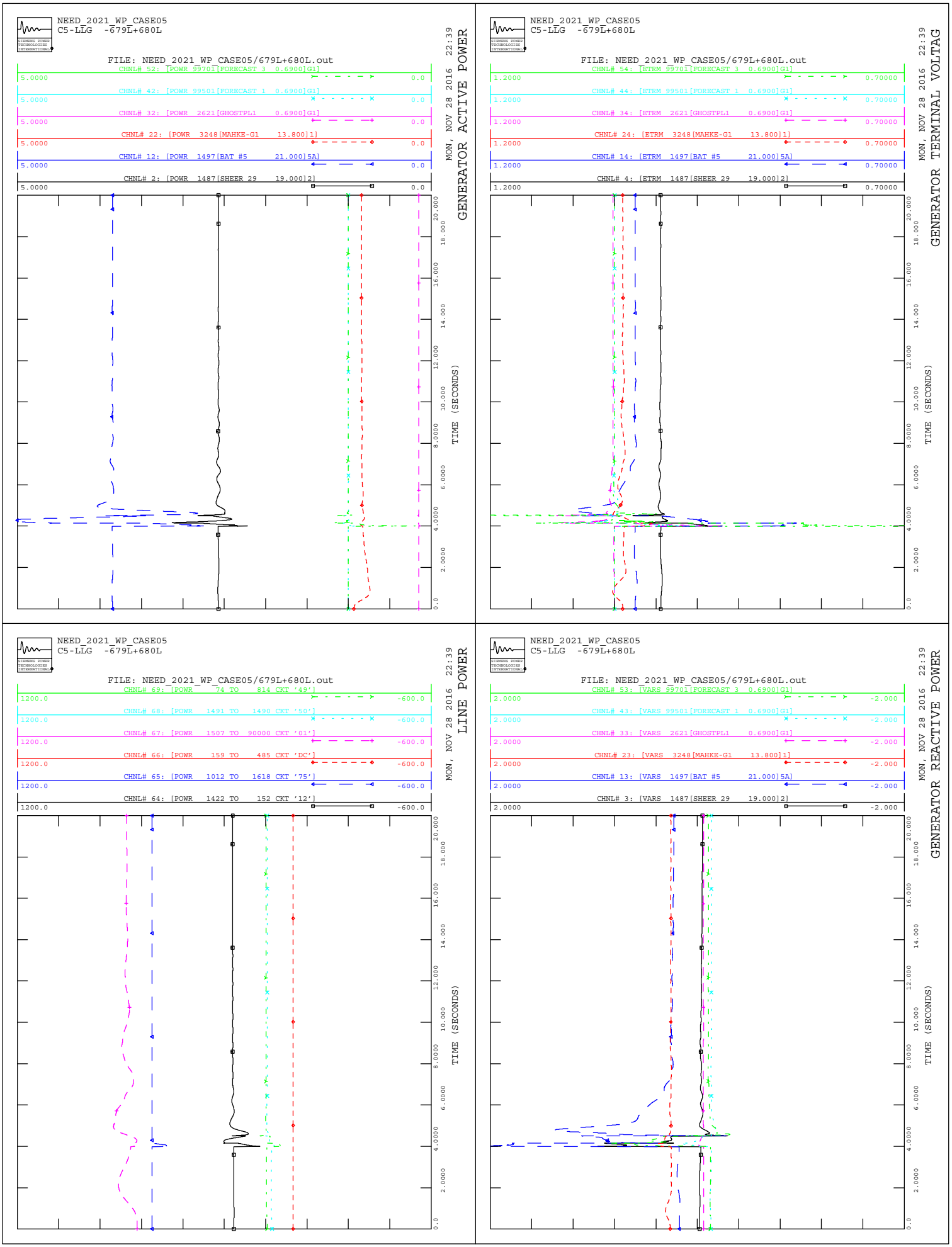
NEED_2021_WP_CASE05
C5-LLG -679L+680L

FILE: NEED_2021_WP_CASE05/679L+680L.out

MON, NOV 28 2016 22:39

MACHINE ANGEL



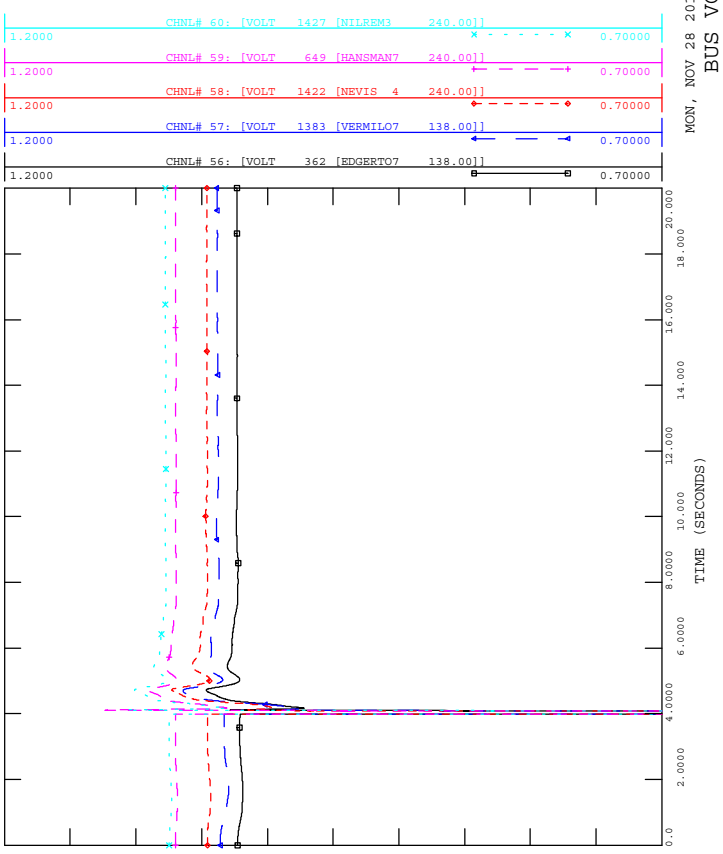

NEED_2021_WP_CASE05
C5-LLG -679L+680L
FILE: NEED_2021_WP_CASE05/679L+680L.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 28 2016 22:39
TIME (SECONDS)
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C5-LLG -9L16+9L953

FILE: NEED_2021_WP_CASE05/9L16+9L953.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

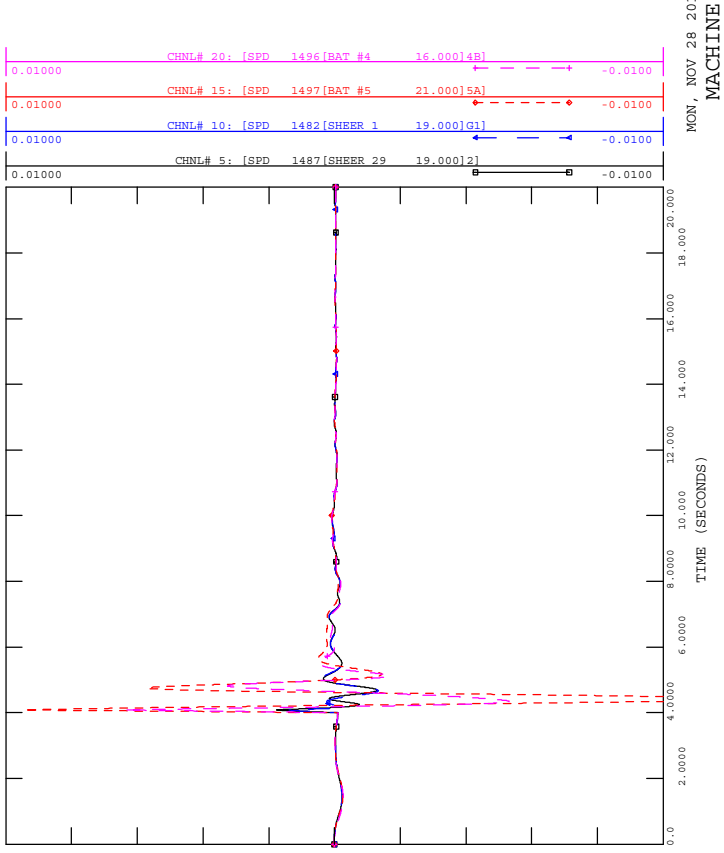


NEED_2021_WP_CASE05
C5-LLG -9L16+9L953

FILE: NEED_2021_WP_CASE05/9L16+9L953.out

MON, NOV 28 2016 22:39

MACHINE SPEED

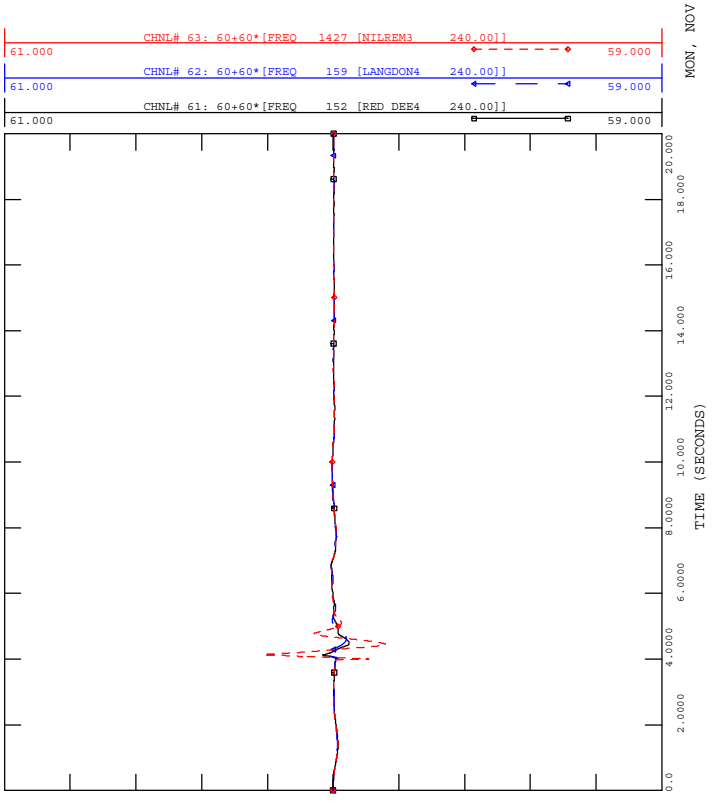


NEED_2021_WP_CASE05
C5-LLG -9L16+9L953

FILE: NEED_2021_WP_CASE05/9L16+9L953.out

MON, NOV 28 2016 22:39

FREQUENCY

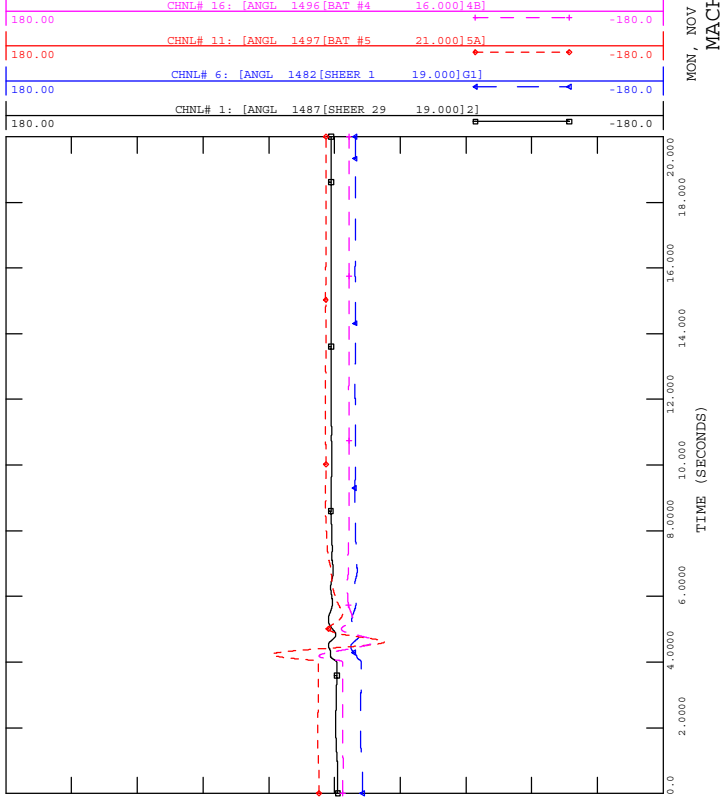


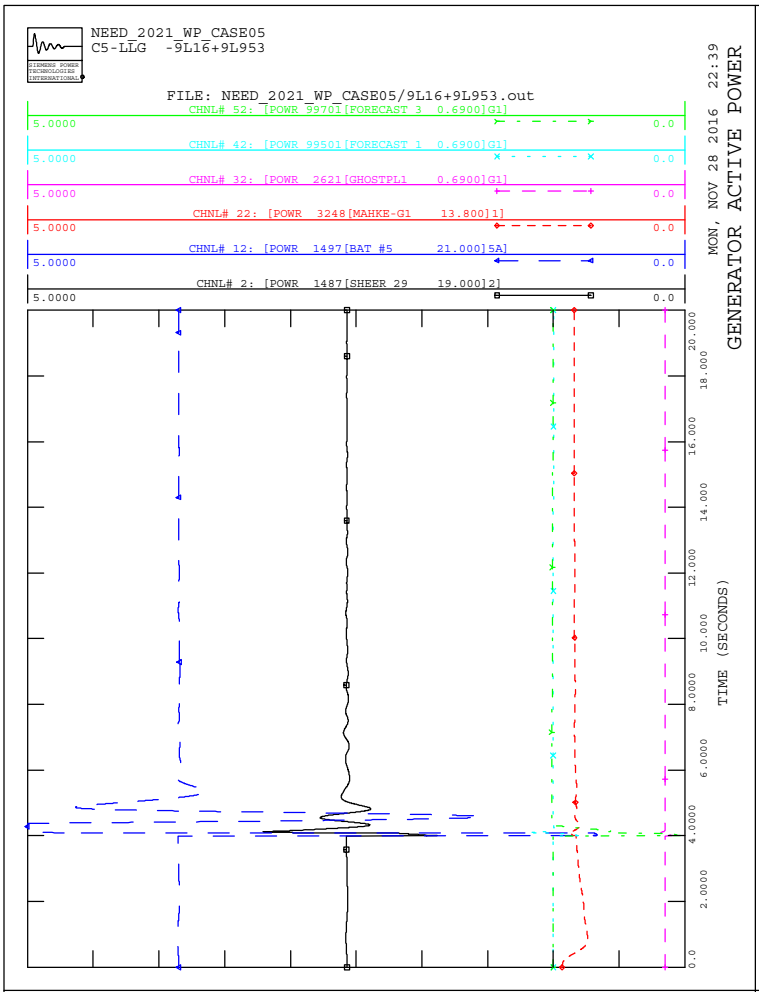
NEED_2021_WP_CASE05
C5-LLG -9L16+9L953

FILE: NEED_2021_WP_CASE05/9L16+9L953.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -9L16+9L953
FILE: NEED_2021_WP_CASE05/9L16+9L953.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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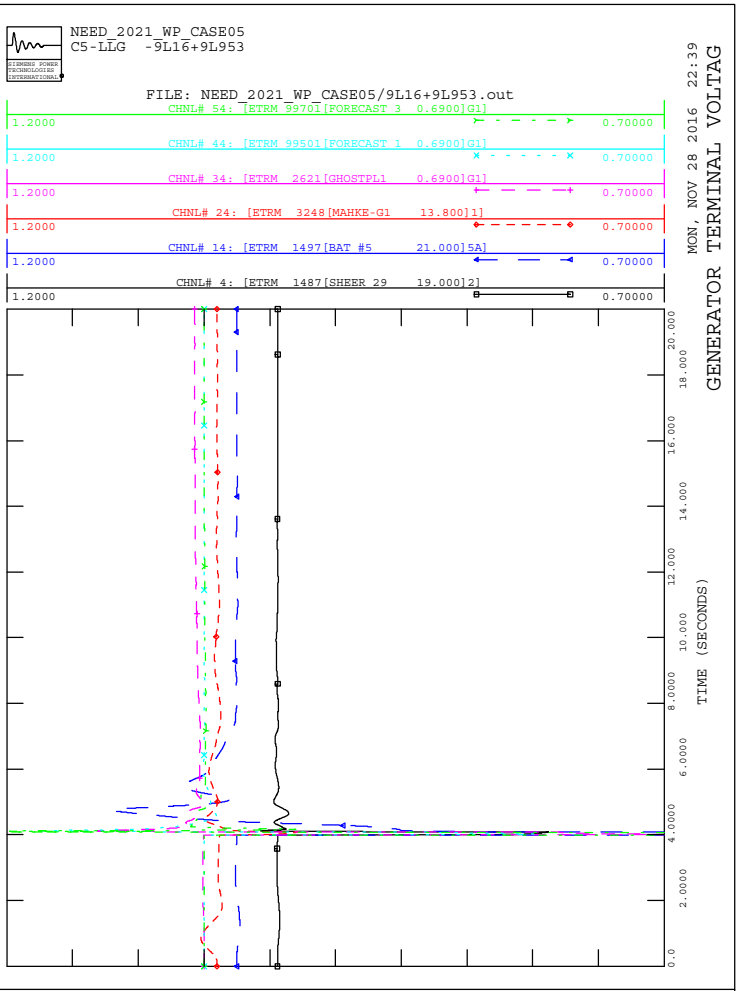
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C5-LLG -9L16+9L953
FILE: NEED_2021_WP_CASE05/9L16+9L953.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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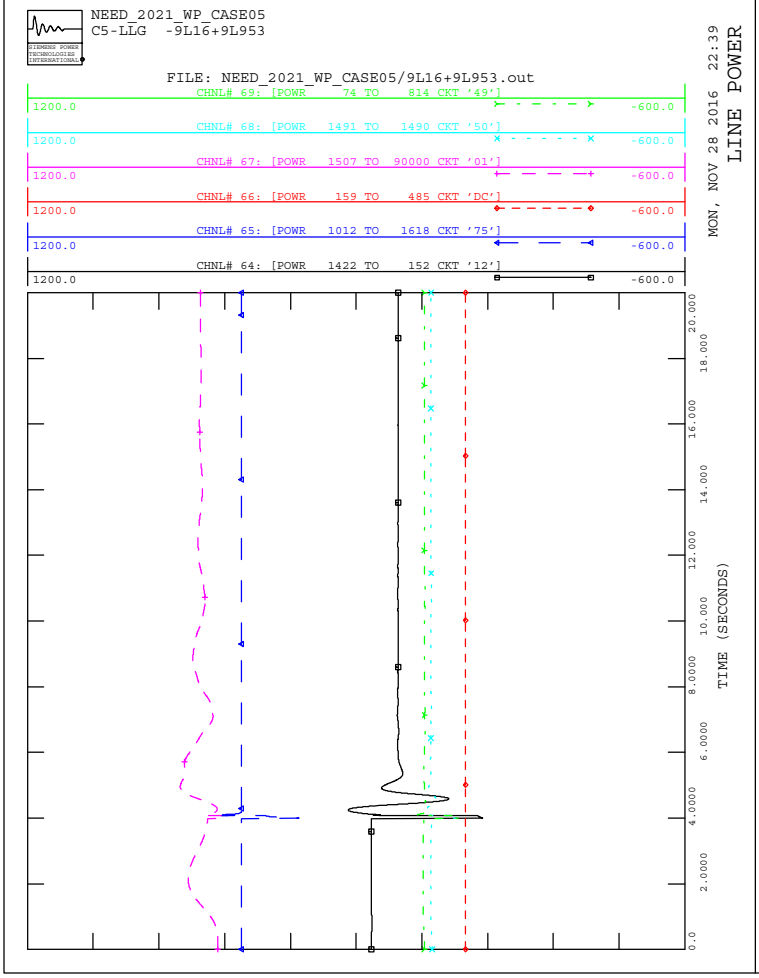
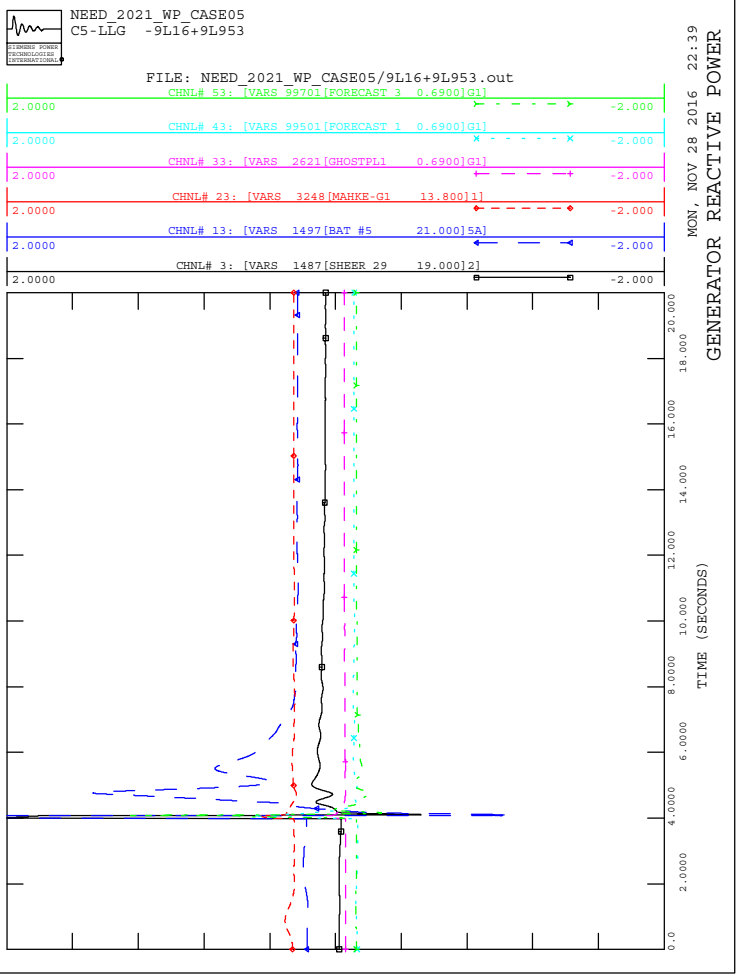
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C5-LLG -9L16+9L953
FILE: NEED_2021_WP_CASE05/9L16+9L953.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER


NEED_2021_WP_CASE05
C5-LLG -9L16+9L953
FILE: NEED_2021_WP_CASE05/9L16+9L953.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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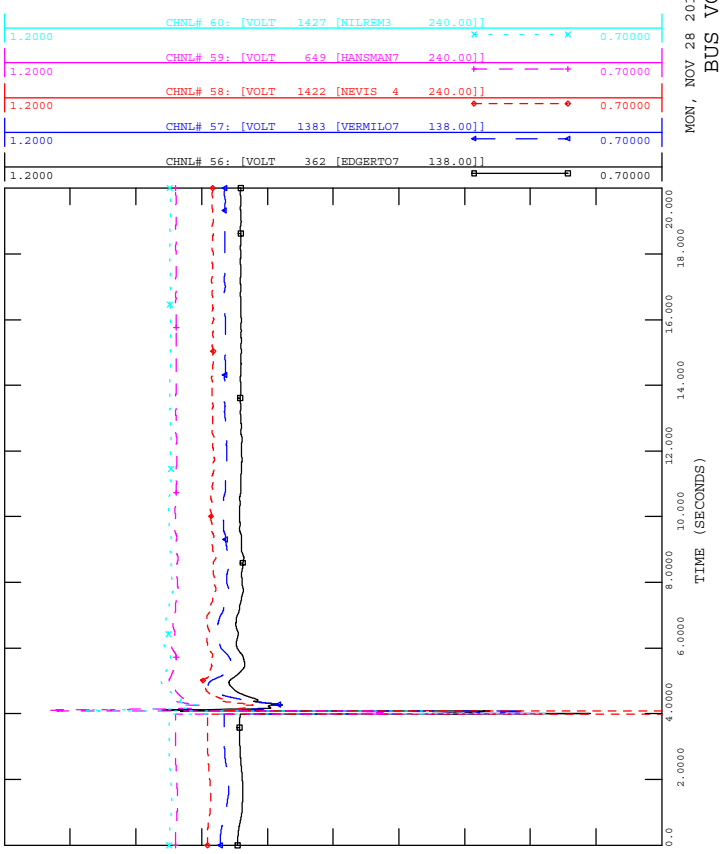
-2.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C5-LLG -1082L+925L

FILE: NEED_2021_WP_CASE05/1082L+925L.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

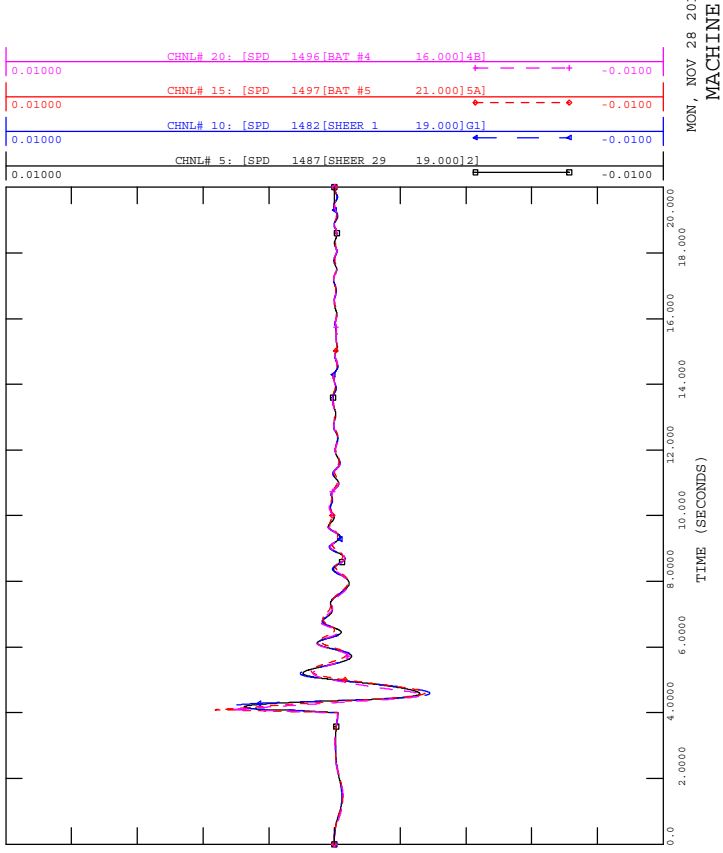


NEED_2021_WP_CASE05
C5-LLG -1082L+925L

FILE: NEED_2021_WP_CASE05/1082L+925L.out

MON, NOV 28 2016 22:39

MACHINE SPEED

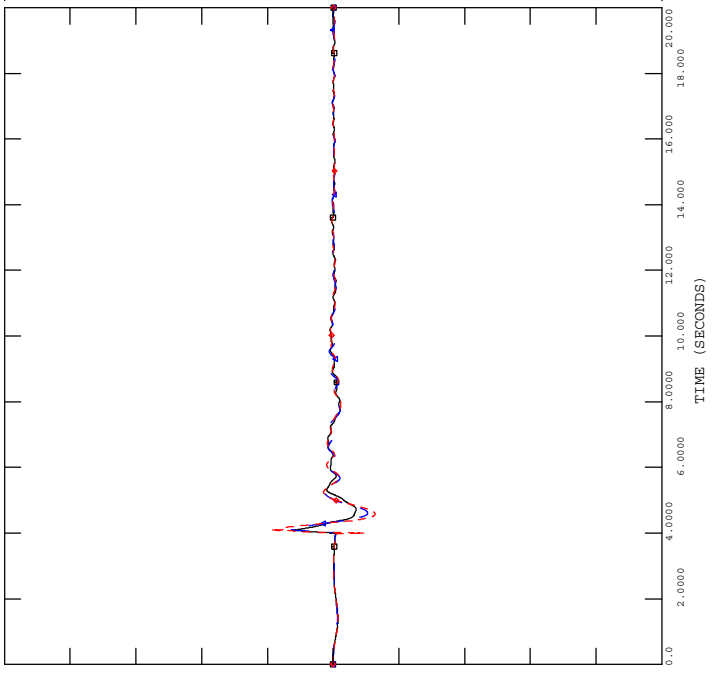


NEED_2021_WP_CASE05
C5-LLG -1082L+925L

FILE: NEED_2021_WP_CASE05/1082L+925L.out

MON, NOV 28 2016 22:39

FREQUENCY

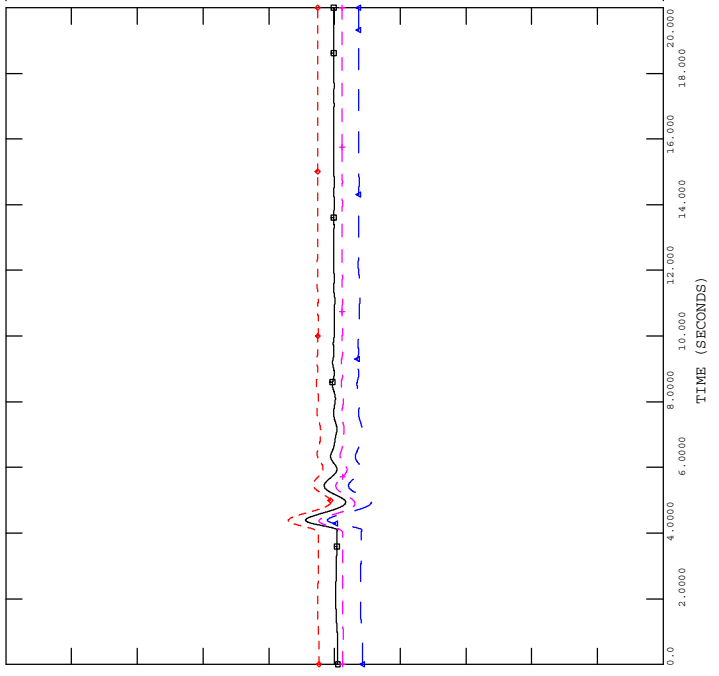


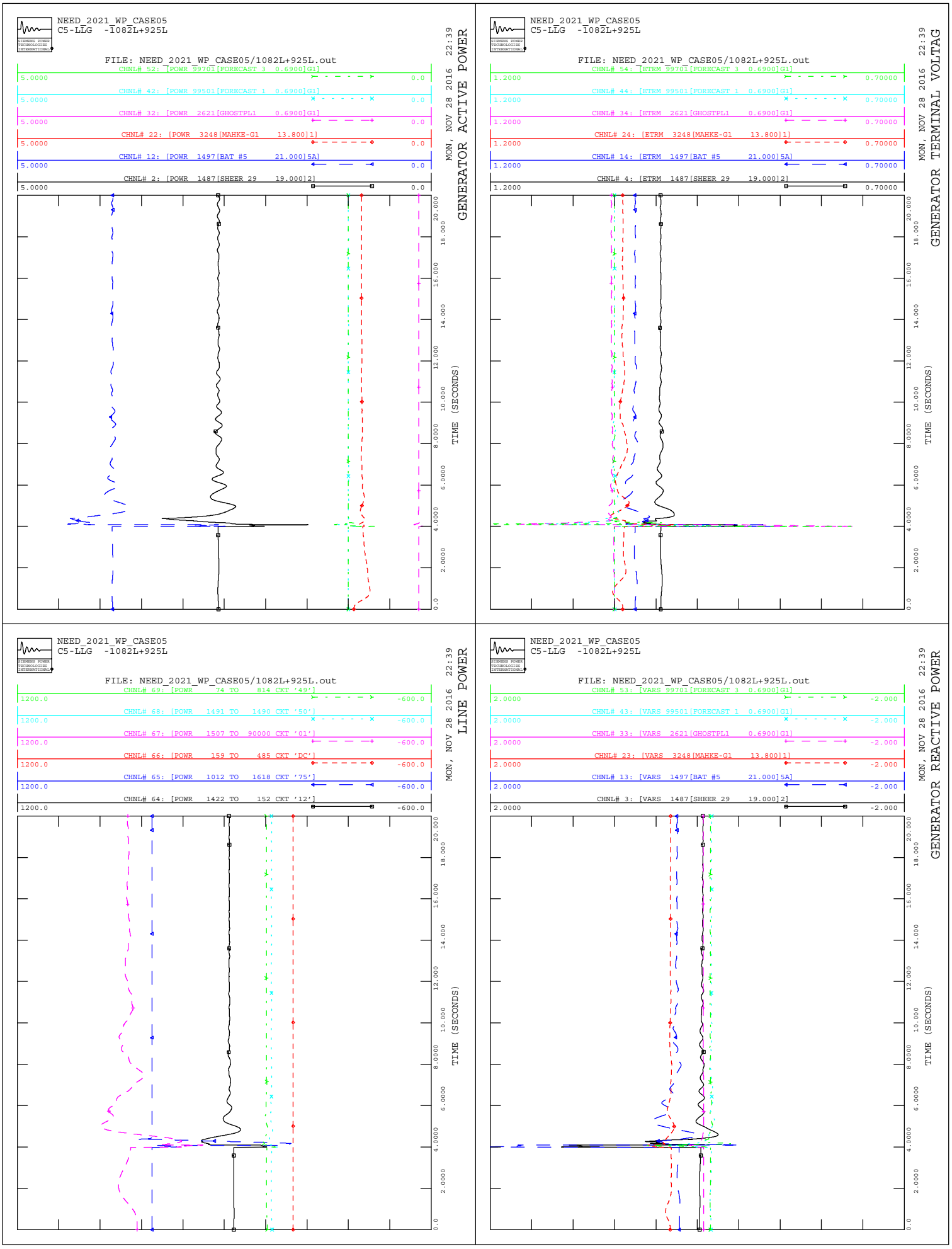
NEED_2021_WP_CASE05
C5-LLG -1082L+925L

FILE: NEED_2021_WP_CASE05/1082L+925L.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -1082L+925L
FILE: NEED_2021_WP_CASE05/1082L+925L.out
CHNL# 52: [POWR 9970I[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 9950I[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -1082L+925L
FILE: NEED_2021_WP_CASE05/1082L+925L.out
CHNL# 54: [ETRM 9970I[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 9950I[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -1082L+925L
FILE: NEED_2021_WP_CASE05/1082L+925L.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:39
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -1082L+925L
FILE: NEED_2021_WP_CASE05/1082L+925L.out
CHNL# 53: [VARS 9970I[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 9950I[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
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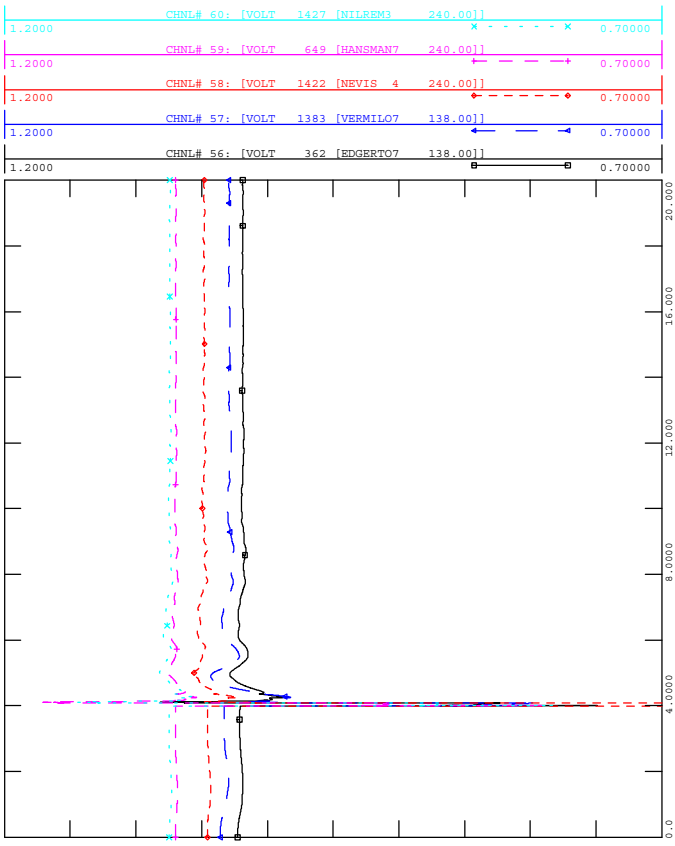
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_WP_CASE05
C5-LLG -1083L+914L

FILE: NEED_2021_WP_CASE05/1083L+914L.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

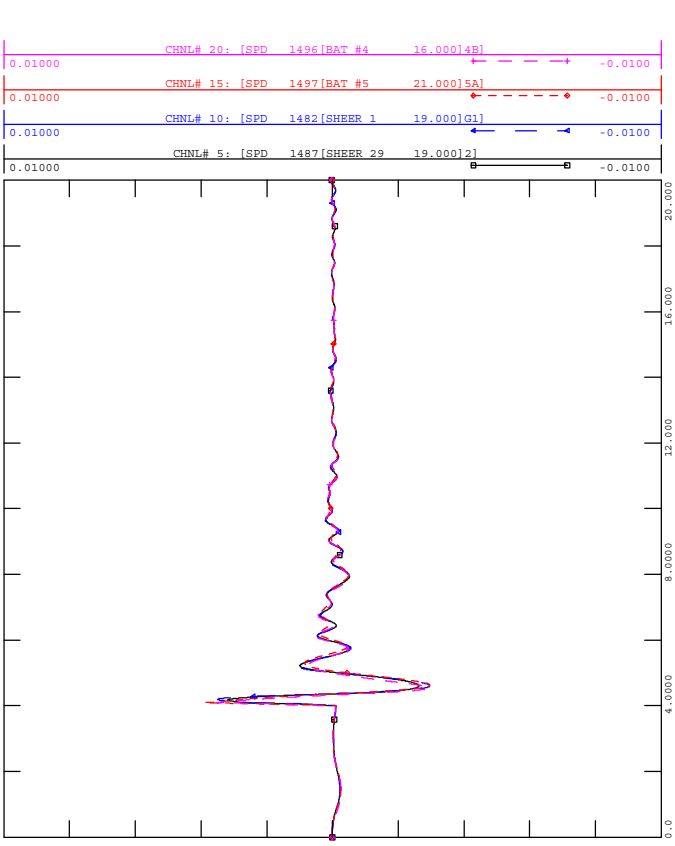


NEED_2021_WP_CASE05
C5-LLG -1083L+914L

FILE: NEED_2021_WP_CASE05/1083L+914L.out

MON, NOV 28 2016 22:39

MACHINE SPEED

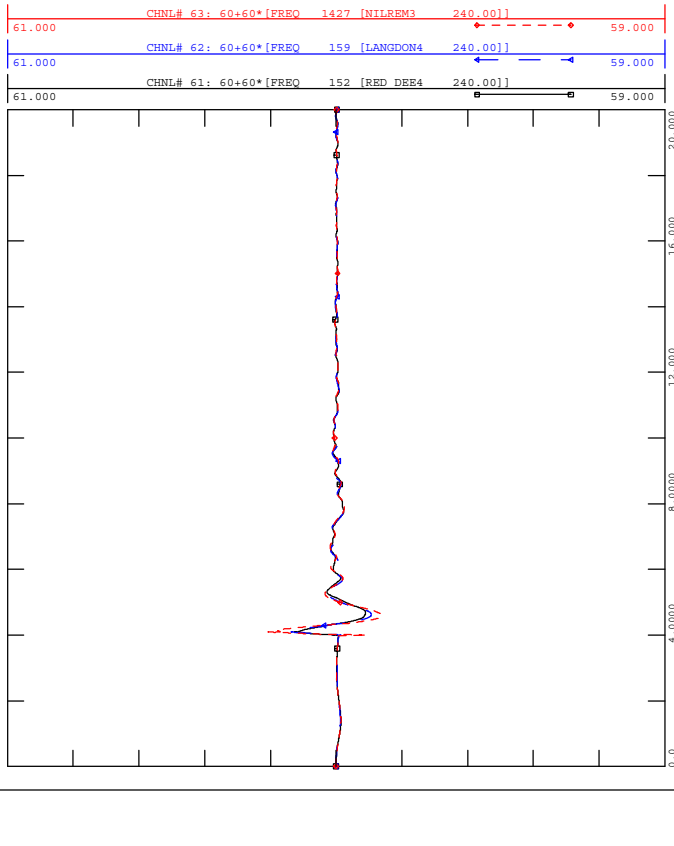


NEED_2021_WP_CASE05
C5-LLG -1083L+914L

FILE: NEED_2021_WP_CASE05/1083L+914L.out

MON, NOV 28 2016 22:39

FREQUENCY

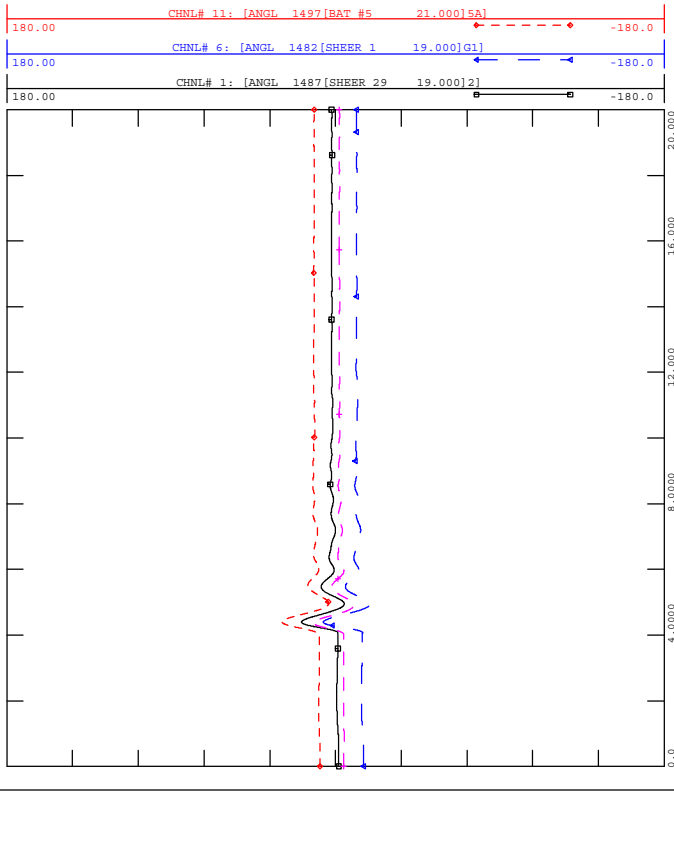


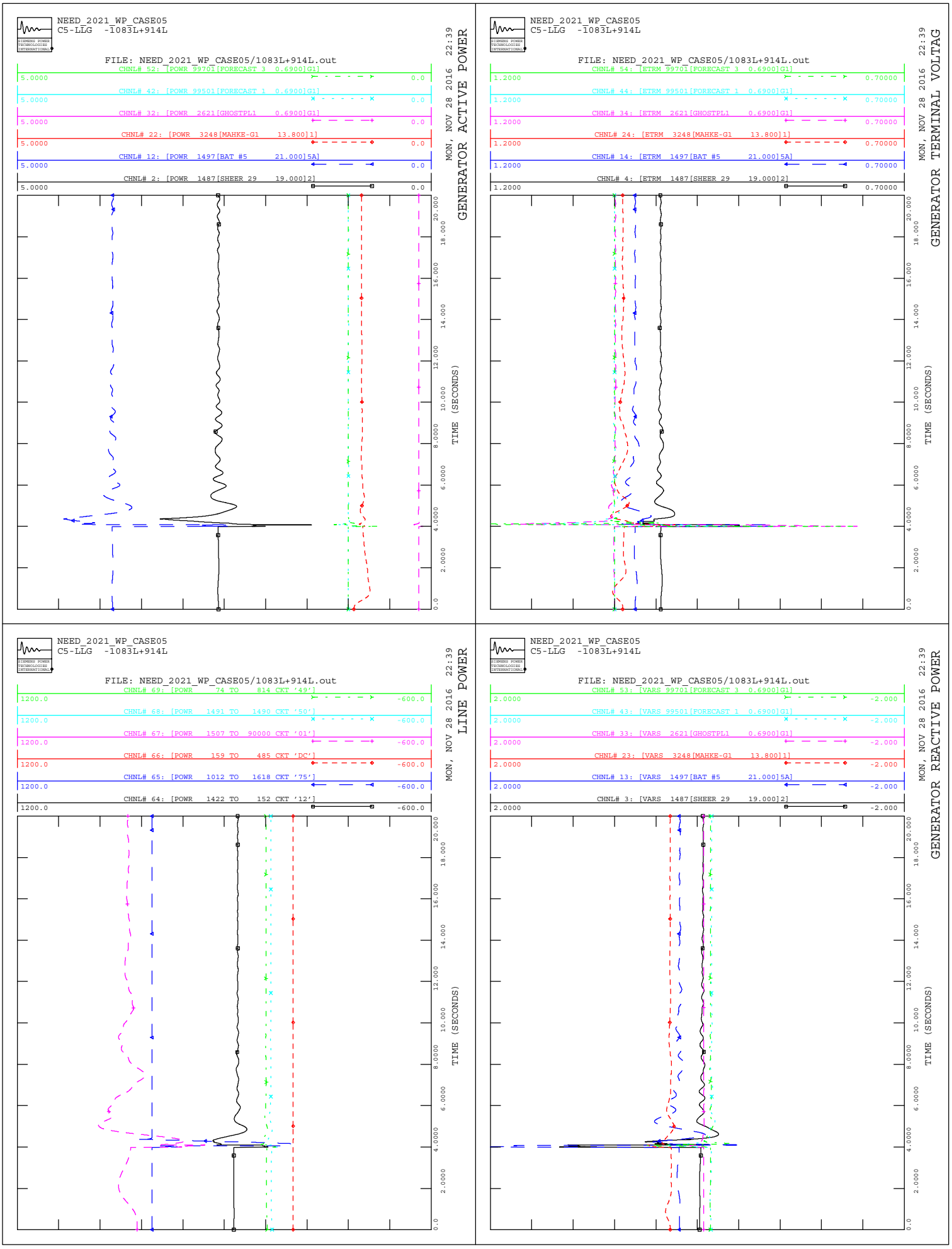
NEED_2021_WP_CASE05
C5-LLG -1083L+914L

FILE: NEED_2021_WP_CASE05/1083L+914L.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -1083L+914L
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CHNL# 52: [POWR 9970I[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 9950I[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
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GENERATOR TERMINAL VOLTAG
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0.0
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16.000
18.000
20.000
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C5-LLG -1083L+914L
FILE: NEED_2021_WP_CASE05/1083L+914L.out
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CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:39
LINE POWER
TIME (SECONDS)
0.0
2.0000
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6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
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CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
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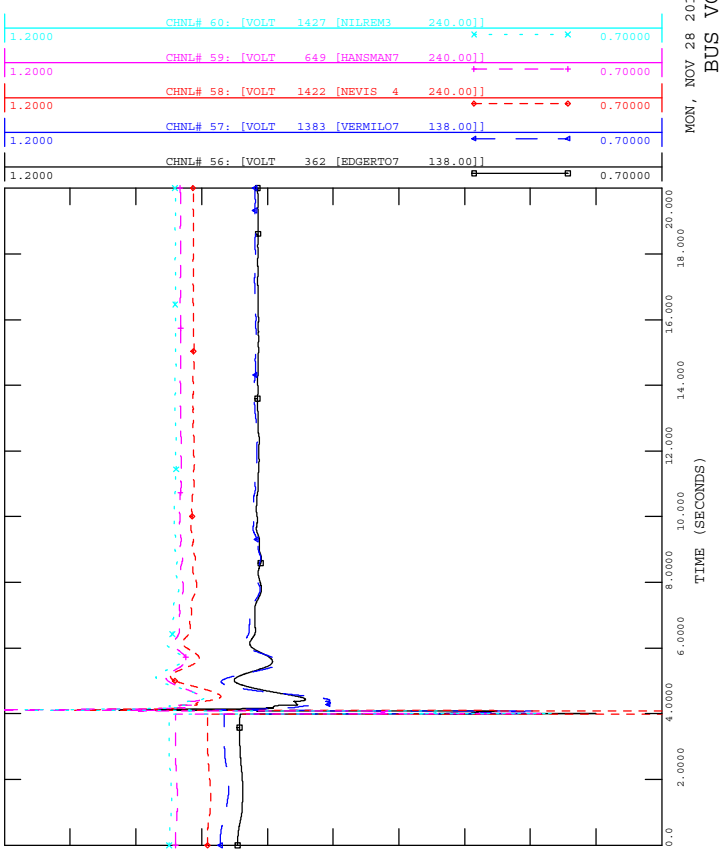
2.0000
-2.000
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_WP_CASE05
C5-LLG -901L+912L

FILE: NEED_2021_WP_CASE05/901L+912L.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

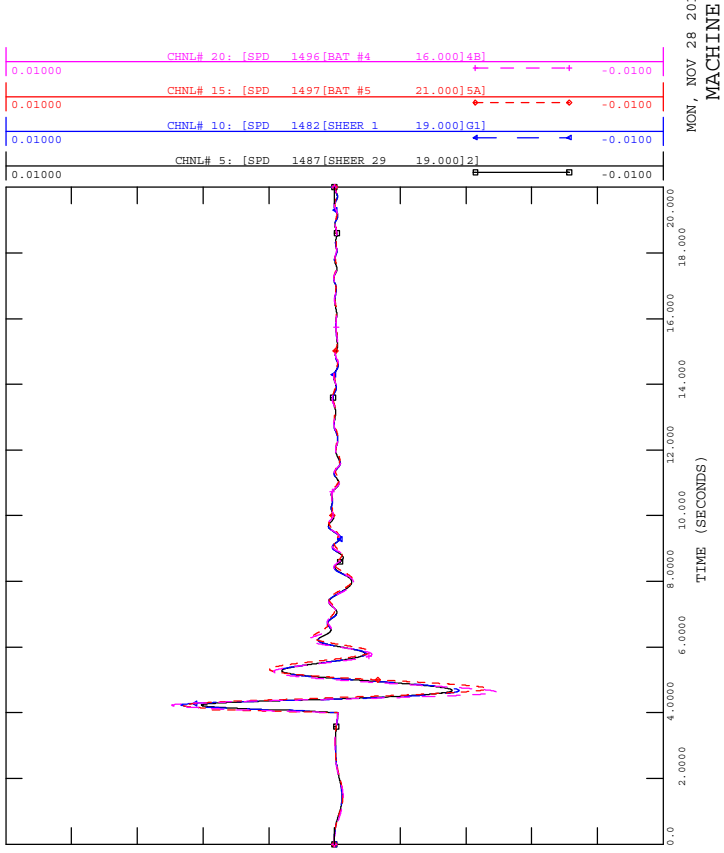


NEED_2021_WP_CASE05
C5-LLG -901L+912L

FILE: NEED_2021_WP_CASE05/901L+912L.out

MON, NOV 28 2016 22:39

MACHINE SPEED

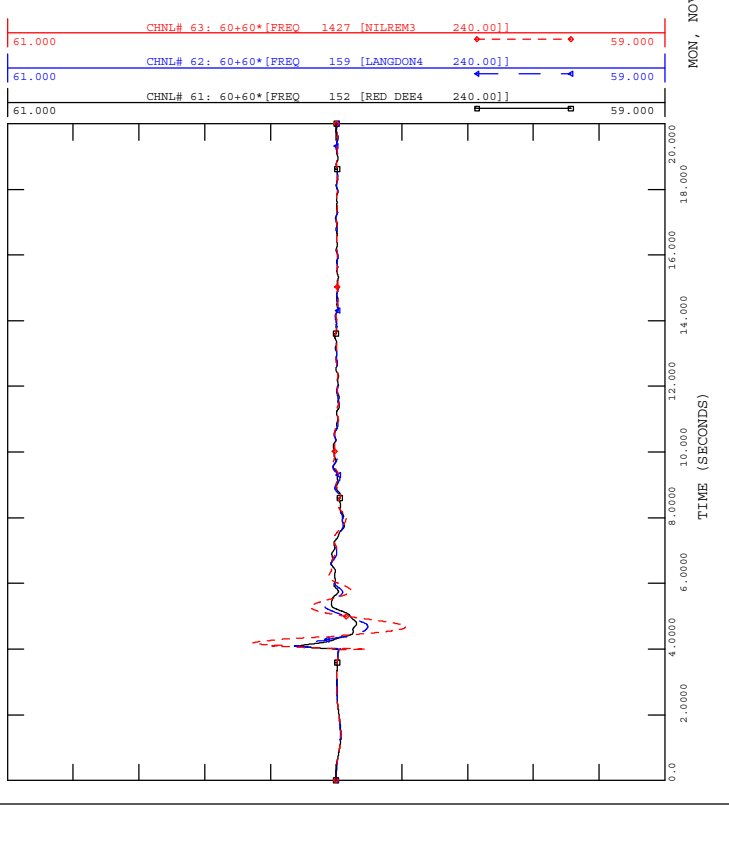


NEED_2021_WP_CASE05
C5-LLG -901L+912L

FILE: NEED_2021_WP_CASE05/901L+912L.out

MON, NOV 28 2016 22:39

FREQUENCY

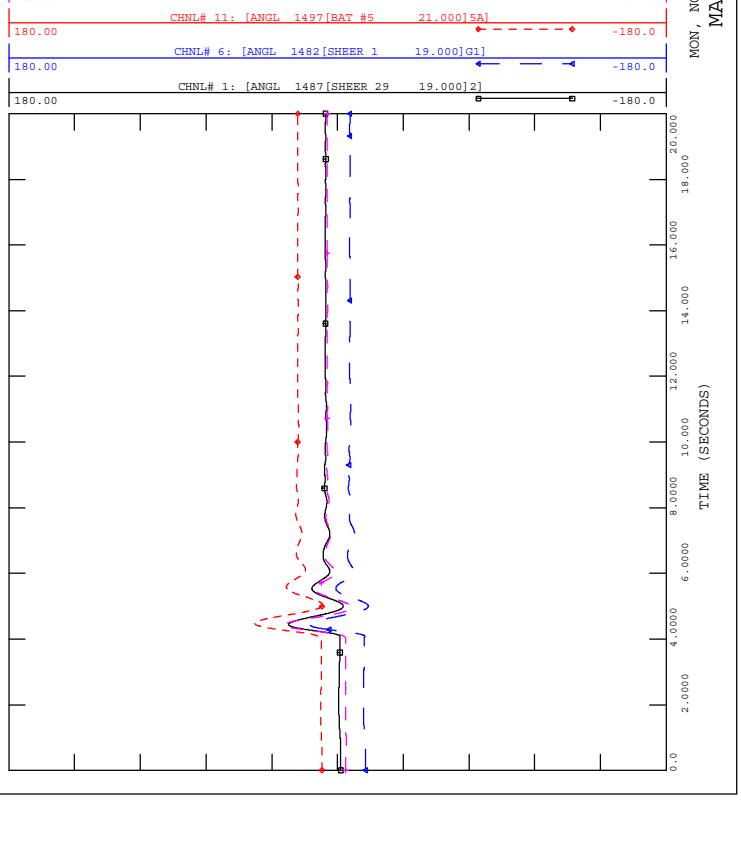


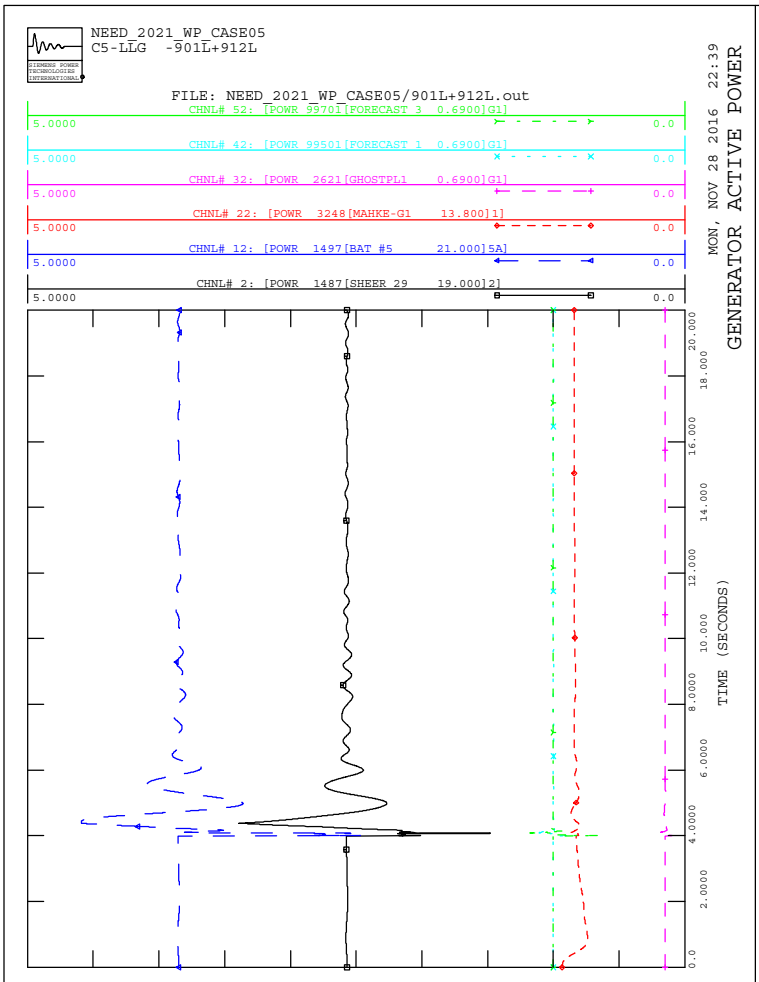
NEED_2021_WP_CASE05
C5-LLG -901L+912L

FILE: NEED_2021_WP_CASE05/901L+912L.out

MON, NOV 28 2016 22:39

MACHINE ANGEL

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C5-LLG -901L+912L
FILE: NEED_2021_WP_CASE05/901L+912L.out
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CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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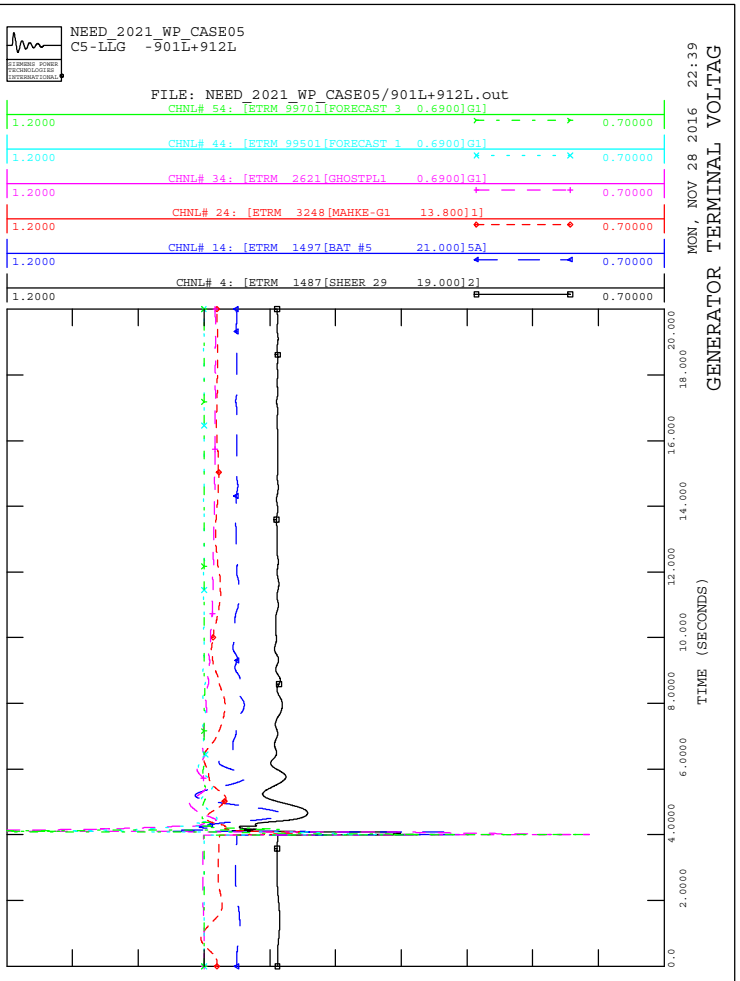
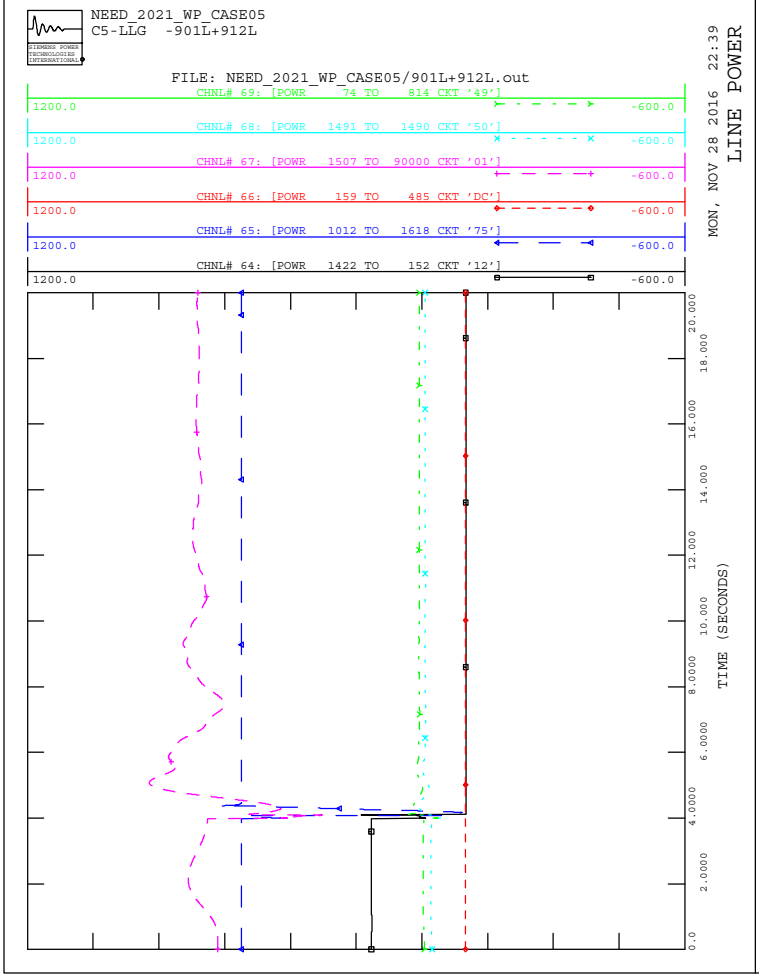
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C5-LLG -901L+912L
FILE: NEED_2021_WP_CASE05/901L+912L.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C5-LLG -901L+912L
FILE: NEED_2021_WP_CASE05/901L+912L.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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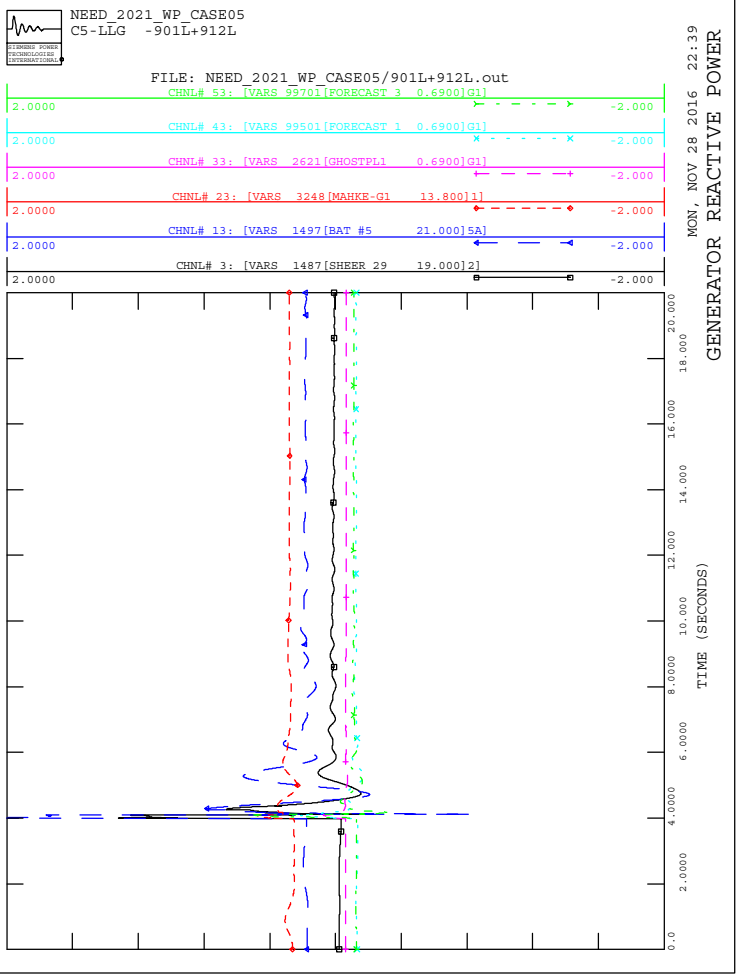
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER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C5-LLG -901L+912L
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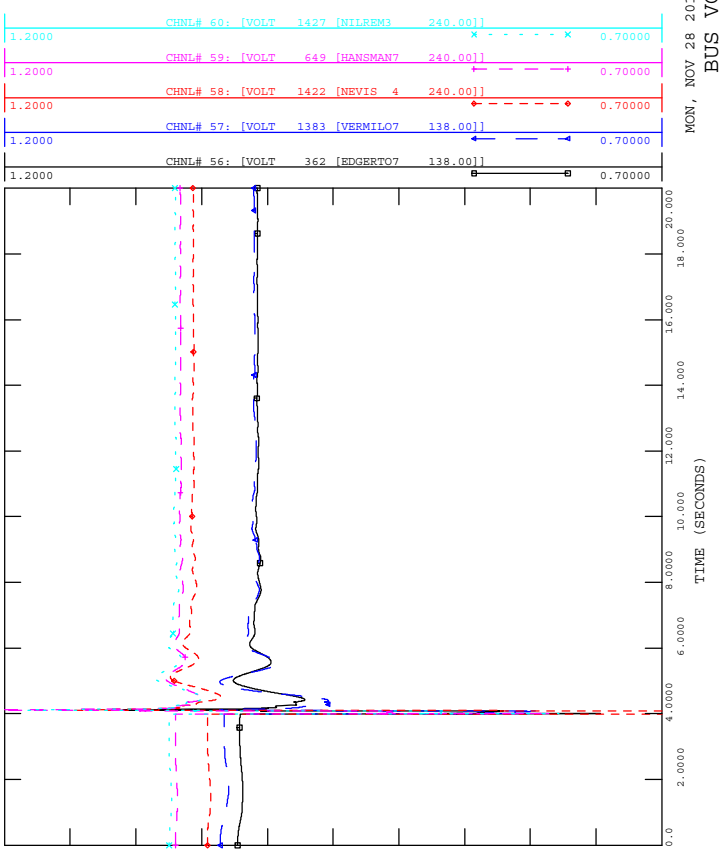
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C5-LLG -912L+914L

FILE: NEED_2021_WP_CASE05/912L+914L.out

MON, NOV 28 2016 22:39

BUS VOLTAGE



NEED_2021_WP_CASE05
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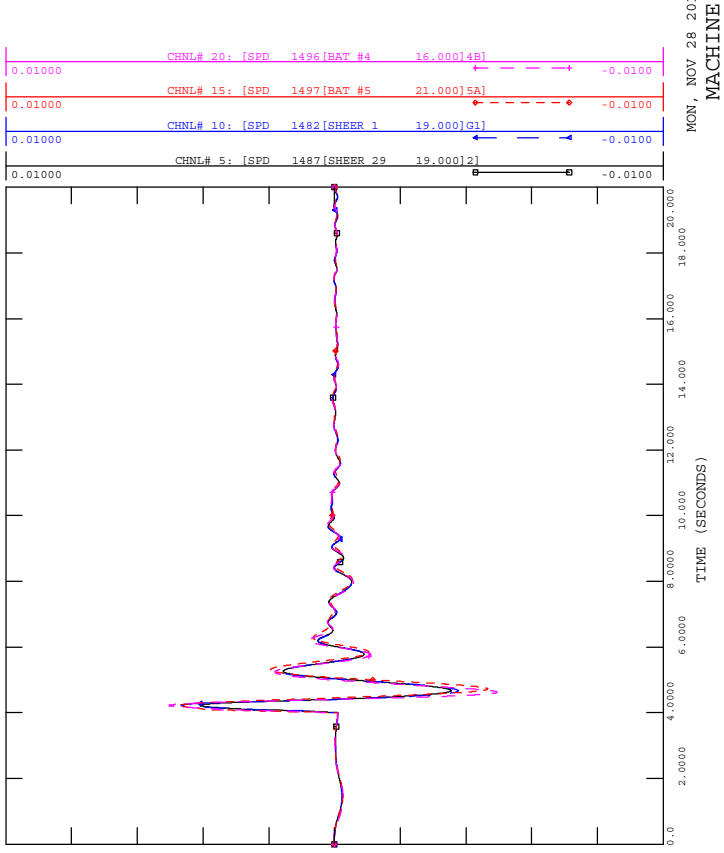
MON, NOV 28 2016 22:39

MACHINE SPEED



NEED_2021_WP_CASE05
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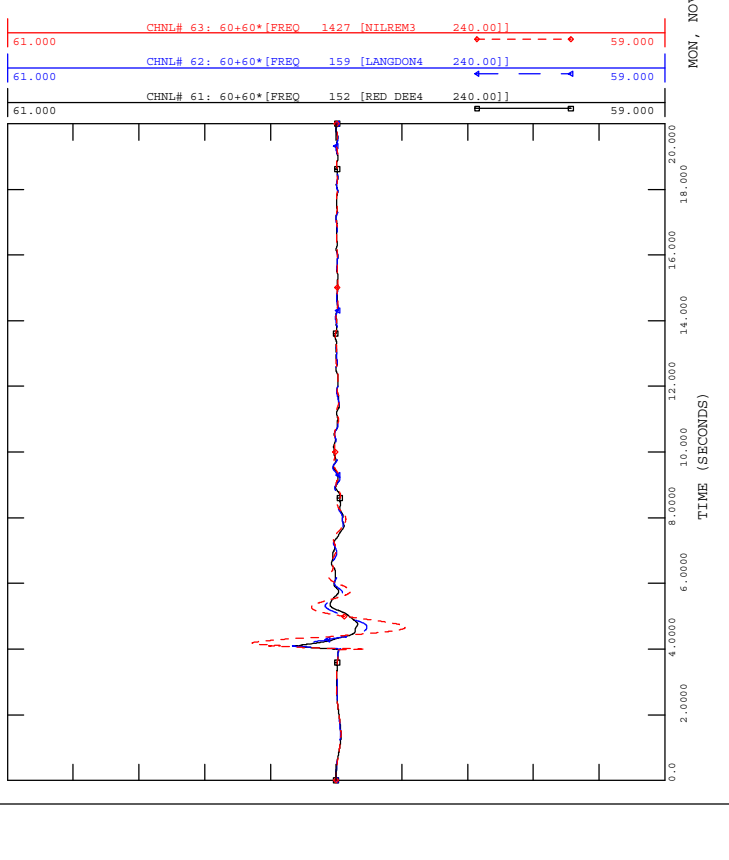
FILE: NEED_2021_WP_CASE05/912L+914L.out

MON, NOV 28 2016 22:39

FREQUENCY

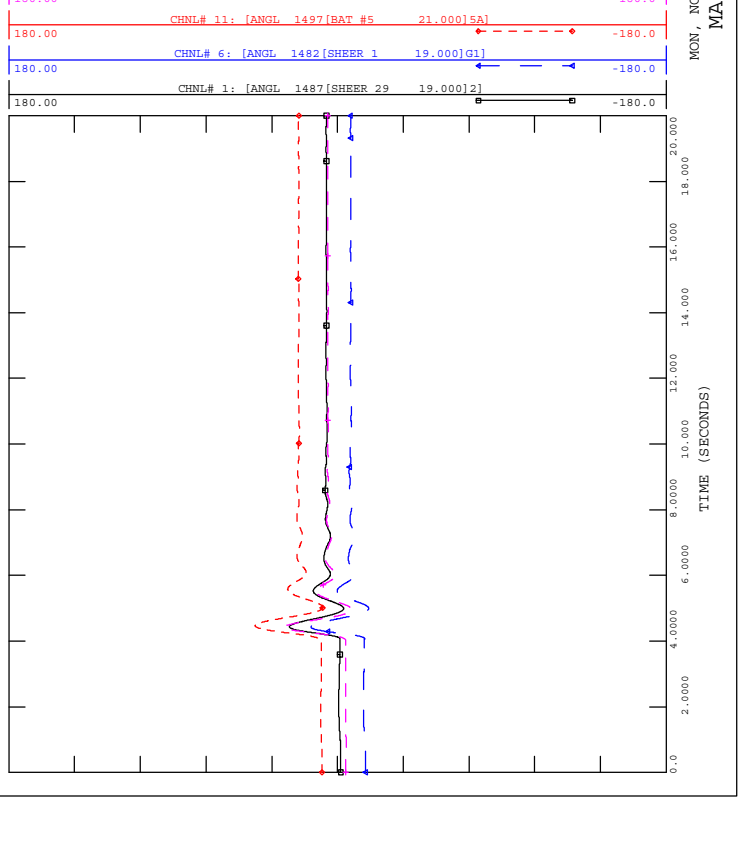


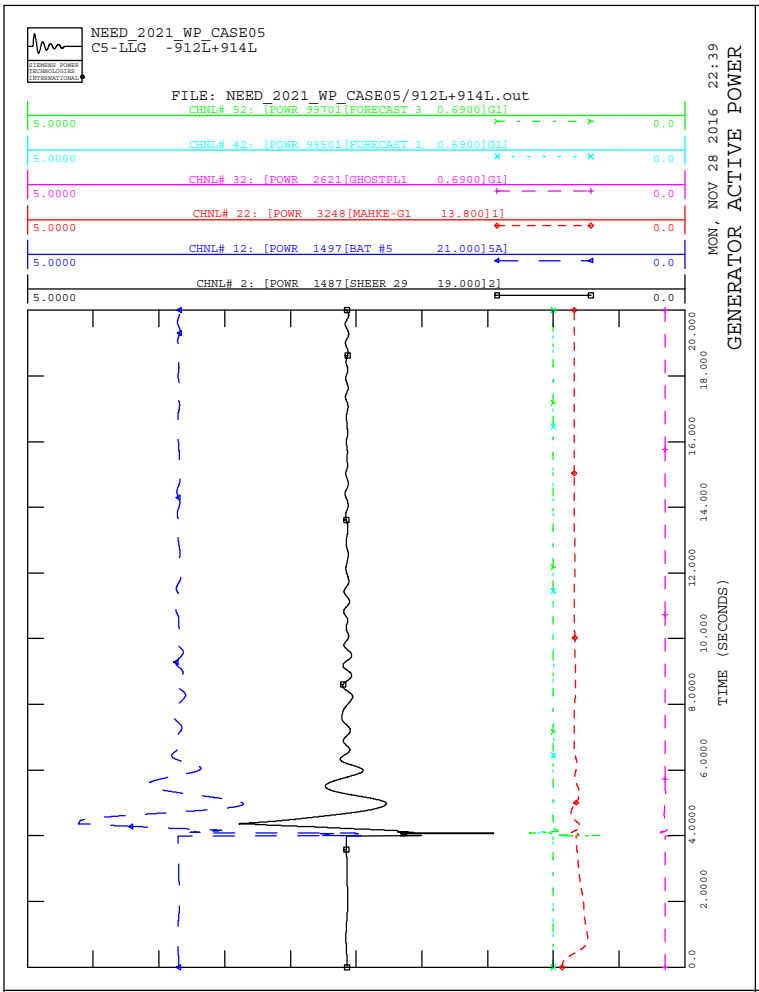
NEED_2021_WP_CASE05
C5-LLG -912L+914L

FILE: NEED_2021_WP_CASE05/912L+914L.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -912L+914L
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CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
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CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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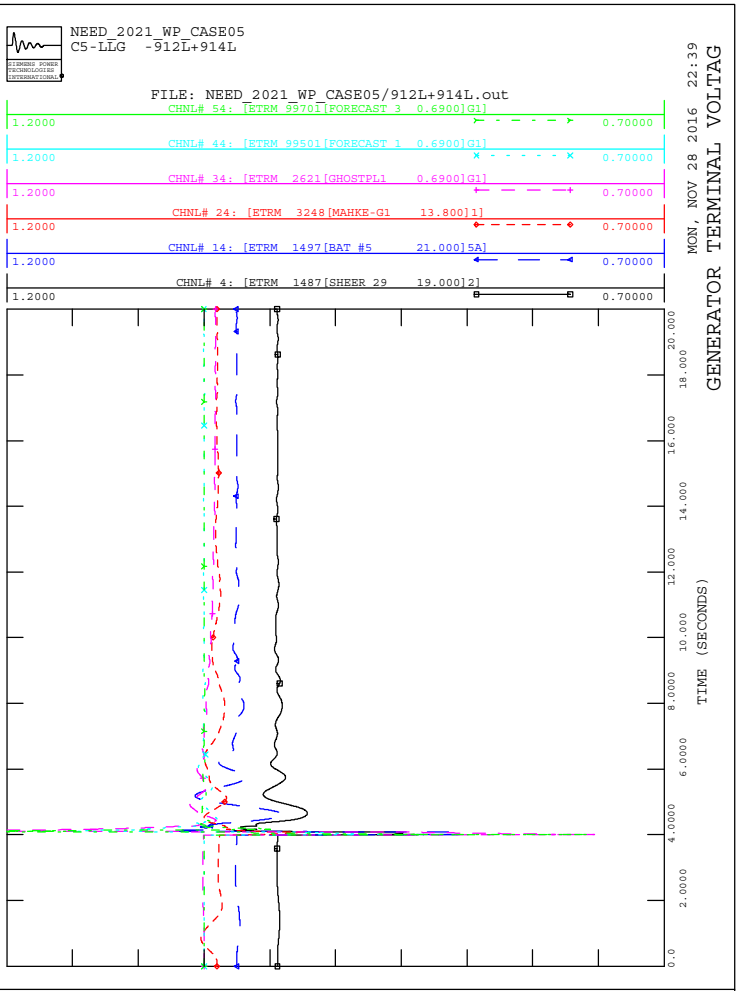
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER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C5-LLG -912L+914L
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CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
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1.2000
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MON, NOV 28 2016 22:39
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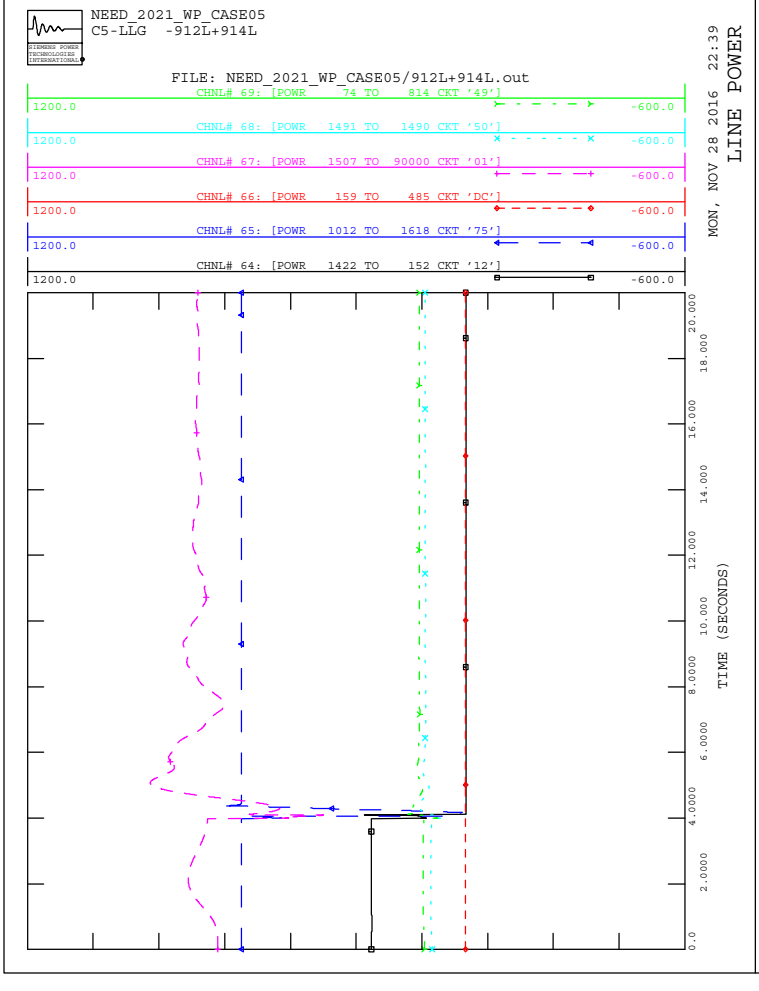
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1200.0
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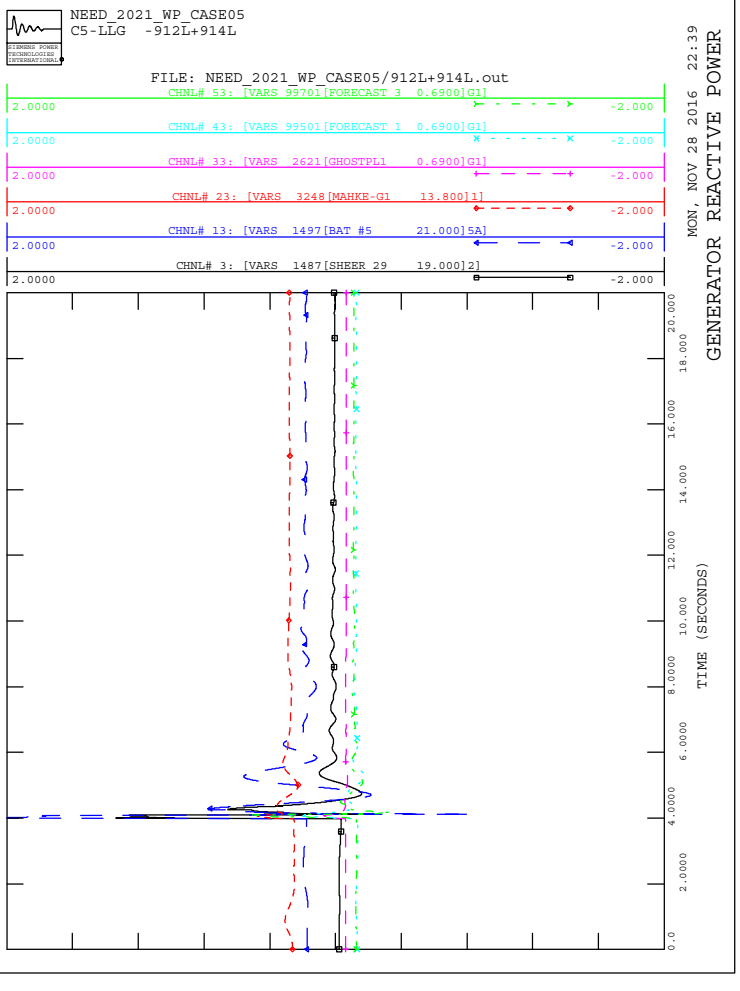
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER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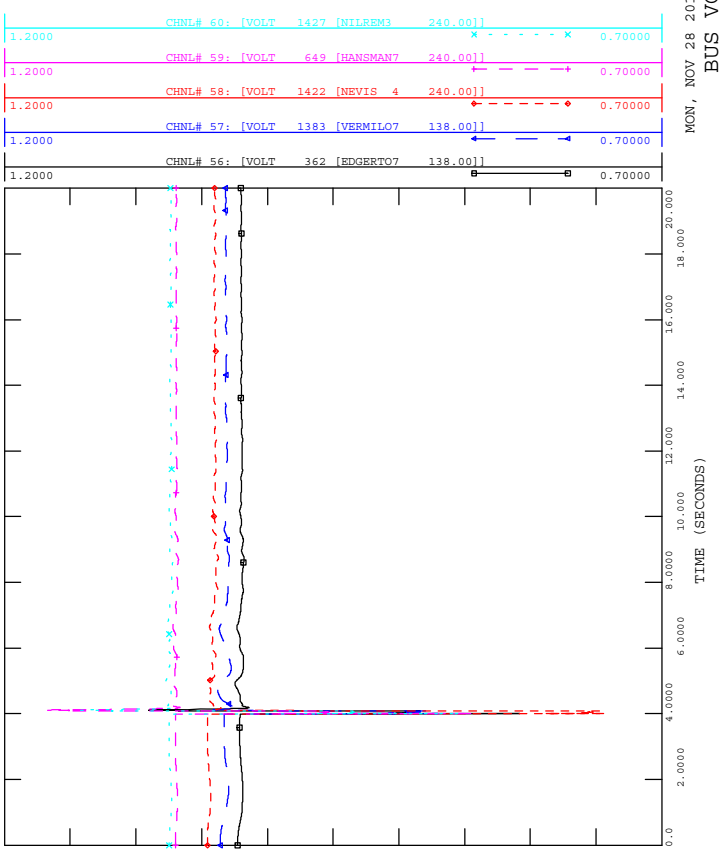
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C5-LLG -929L+925L

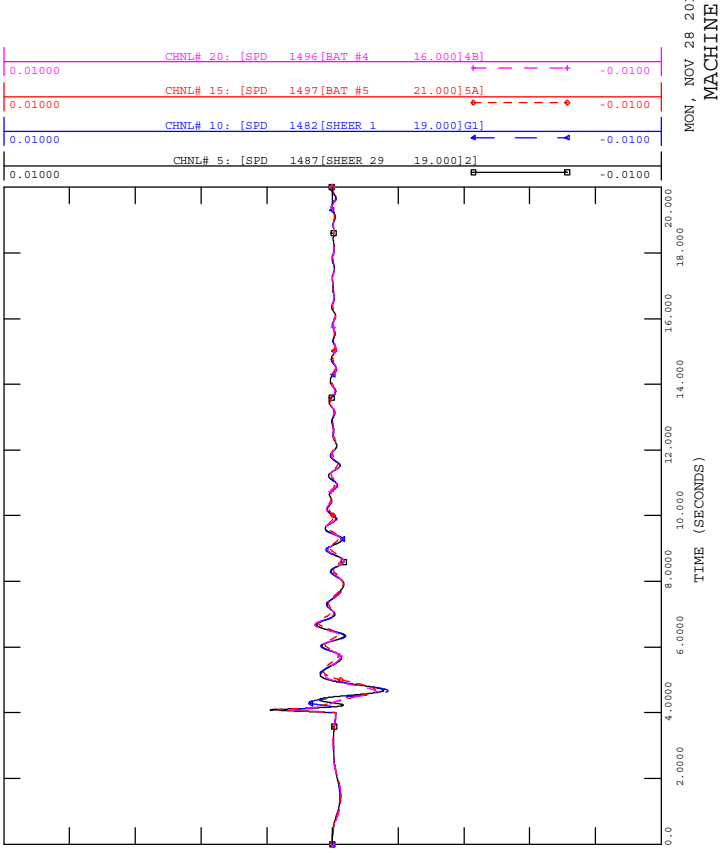
FILE: NEED_2021_WP_CASE05/929L+925L.out



MON, NOV 28 2016 22:39
BUS VOLTAGE

NEED_2021_WP_CASE05
C5-LLG -929L+925L

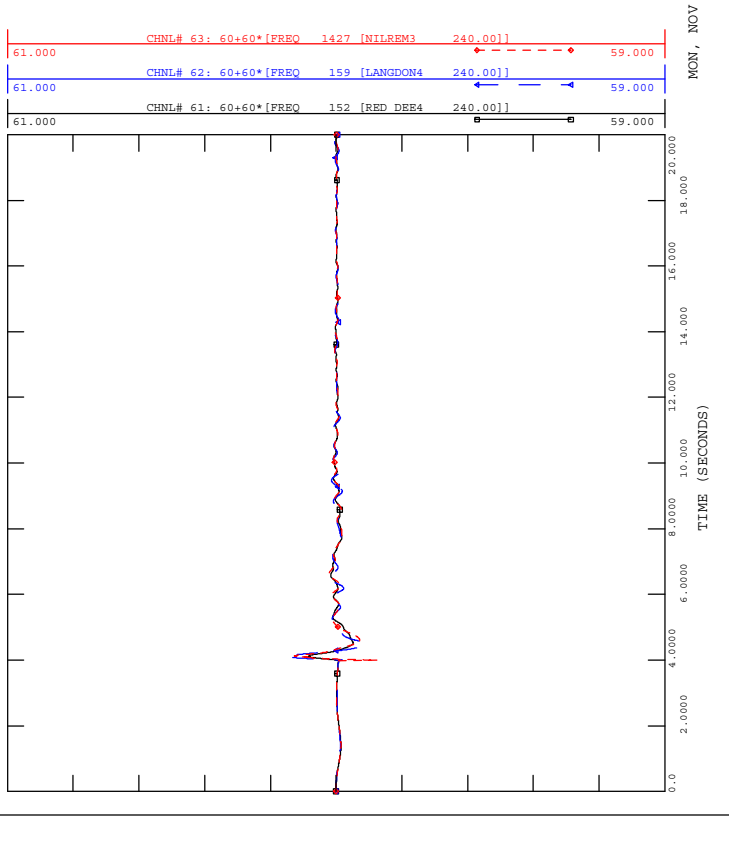
FILE: NEED_2021_WP_CASE05/929L+925L.out



MON, NOV 28 2016 22:39
MACHINE SPEED

NEED_2021_WP_CASE05
C5-LLG -929L+925L

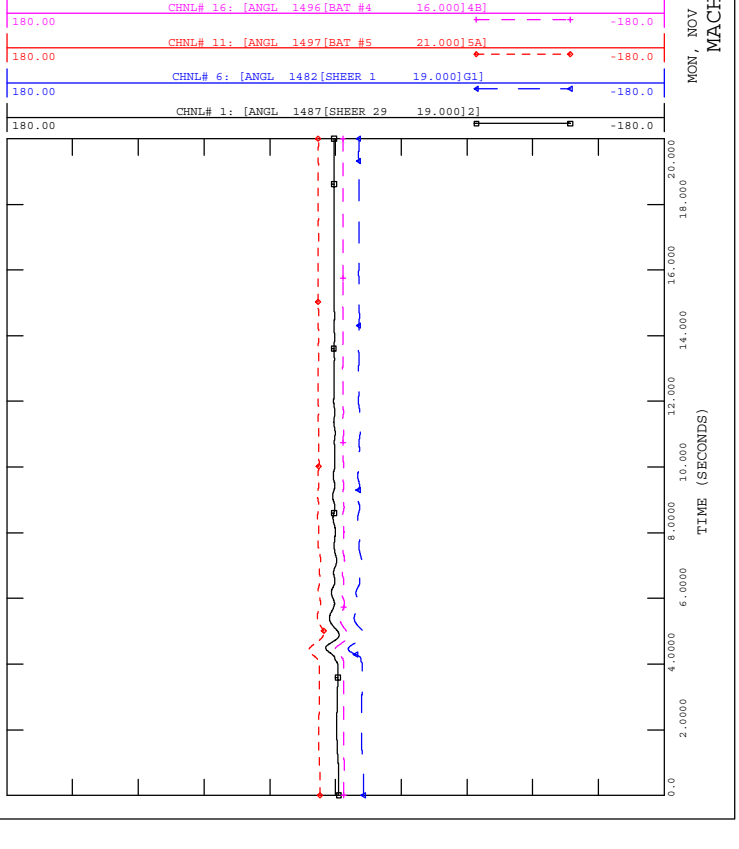
FILE: NEED_2021_WP_CASE05/929L+925L.out



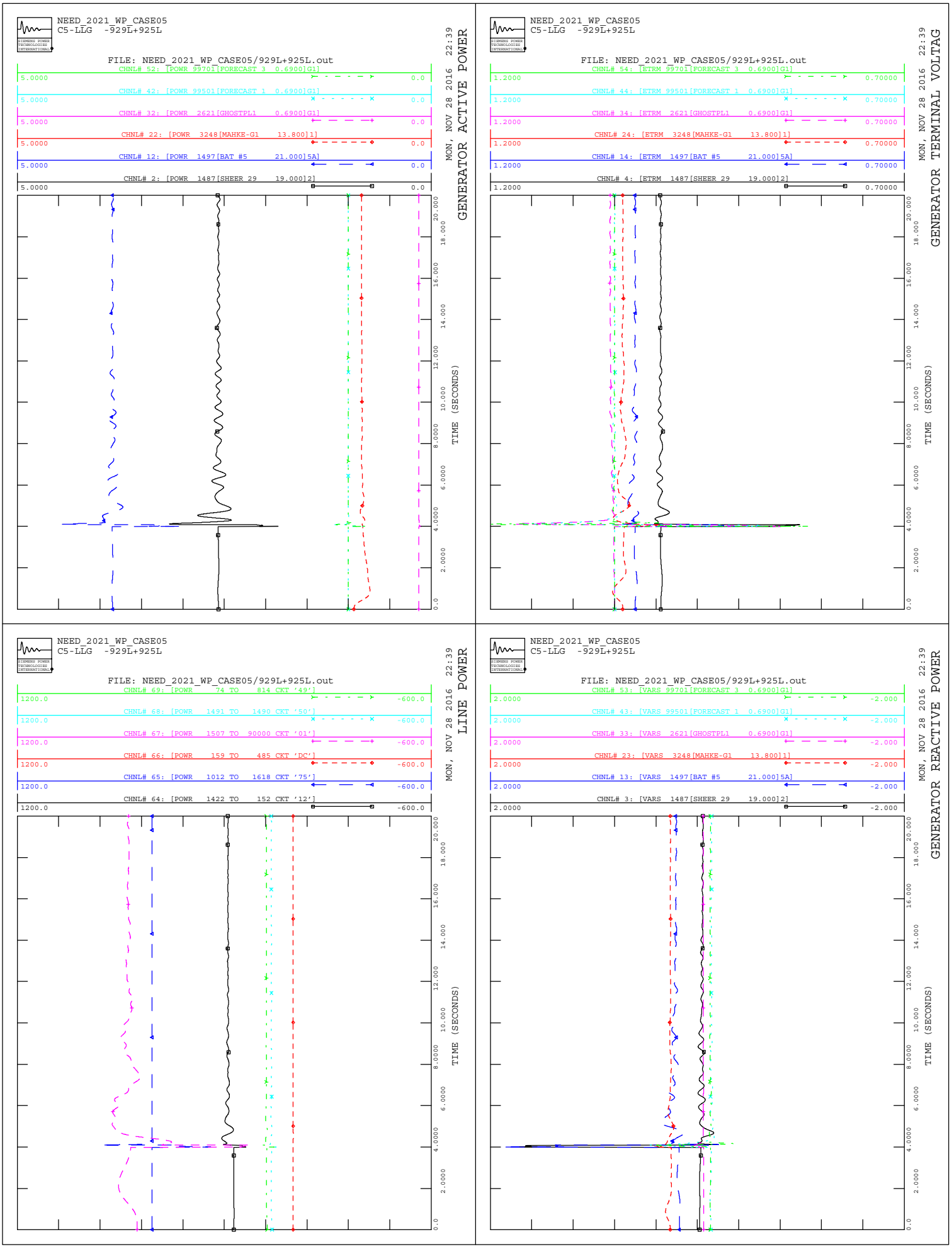
MON, NOV 28 2016 22:39
FREQUENCY

NEED_2021_WP_CASE05
C5-LLG -929L+925L

FILE: NEED_2021_WP_CASE05/929L+925L.out



MON, NOV 28 2016 22:39
MACHINE ANGEL

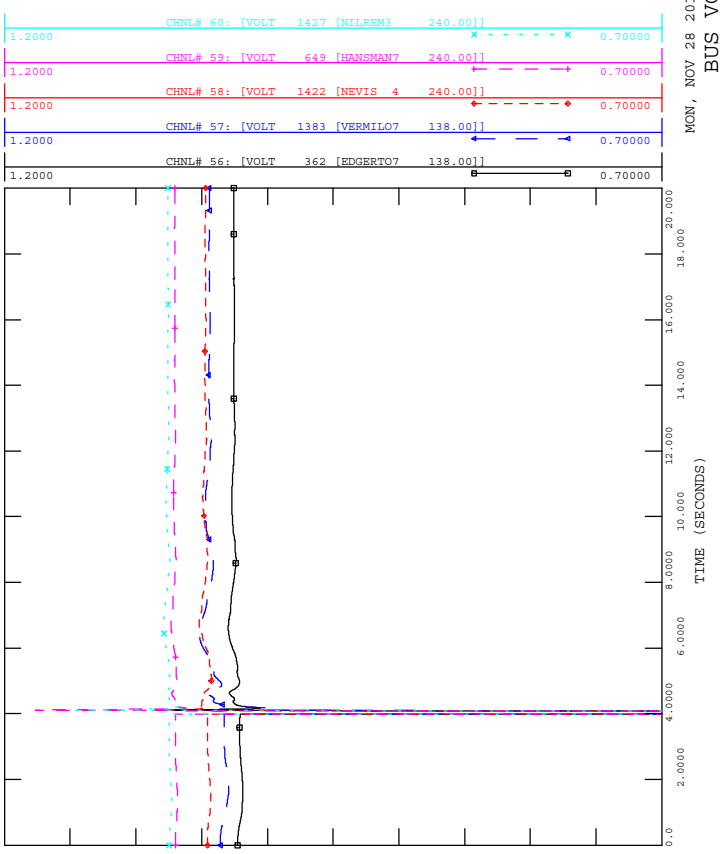

NEED_2021_WP_CASE05
C5-LLG -929L+925L
FILE: NEED_2021_WP_CASE05/929L+925L.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 28 2016 22:39
TIME (SECONDS)
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C5-LLG -9L80+9L79

FILE: NEED_2021_WP_CASE05/9L80+9L79.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

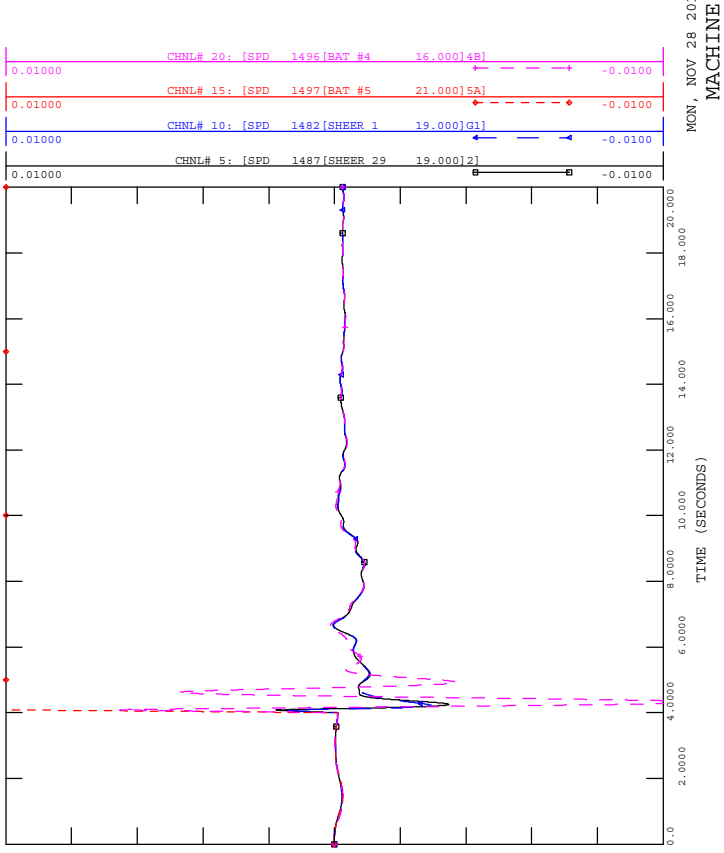


NEED_2021_WP_CASE05
C5-LLG -9L80+9L79

FILE: NEED_2021_WP_CASE05/9L80+9L79.out

MON, NOV 28 2016 22:39

MACHINE SPEED

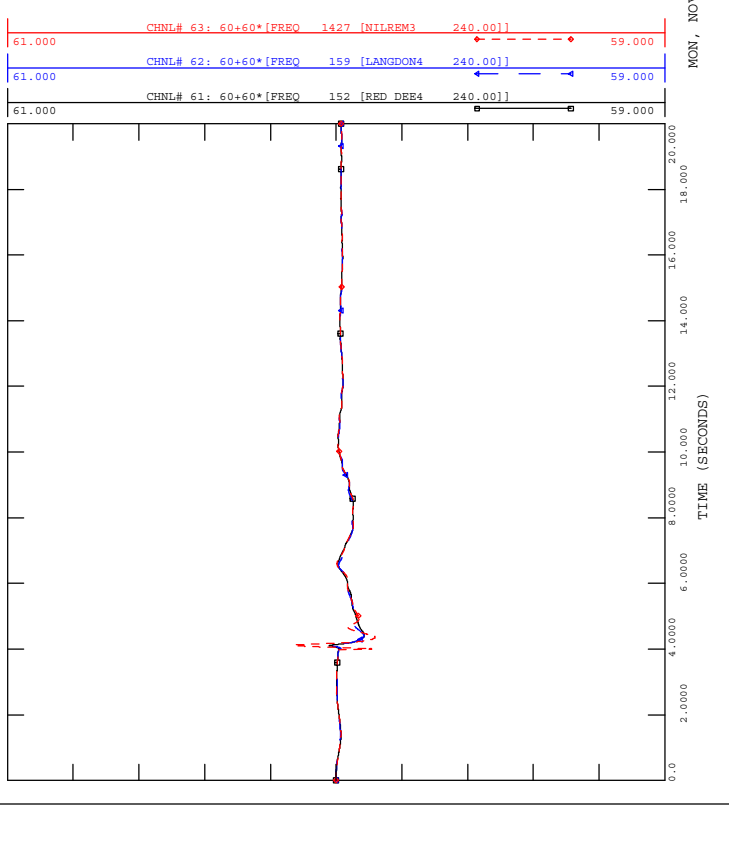


NEED_2021_WP_CASE05
C5-LLG -9L80+9L79

FILE: NEED_2021_WP_CASE05/9L80+9L79.out

MON, NOV 28 2016 22:39

FREQUENCY

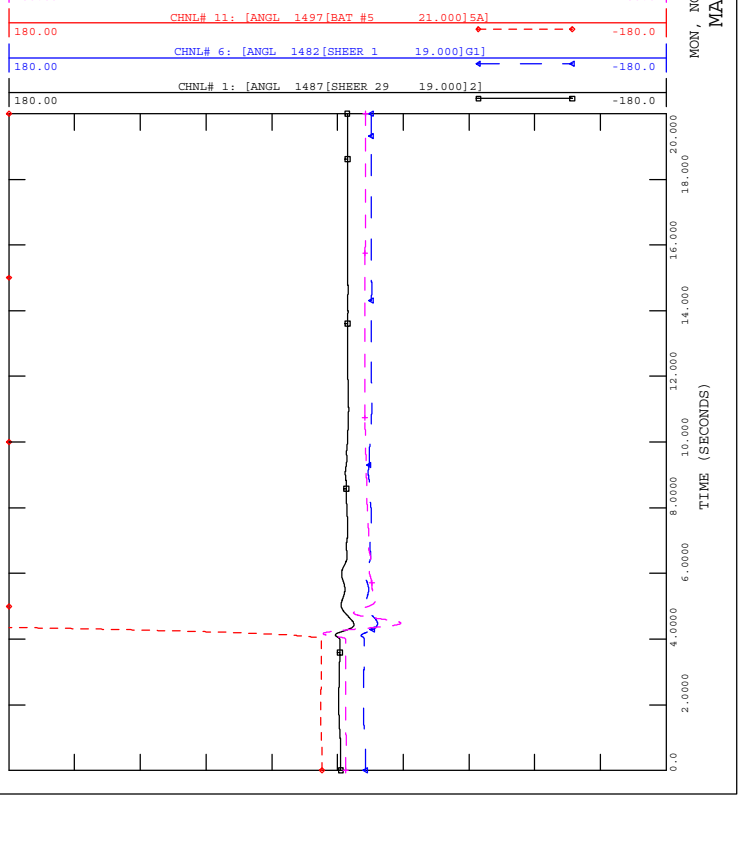


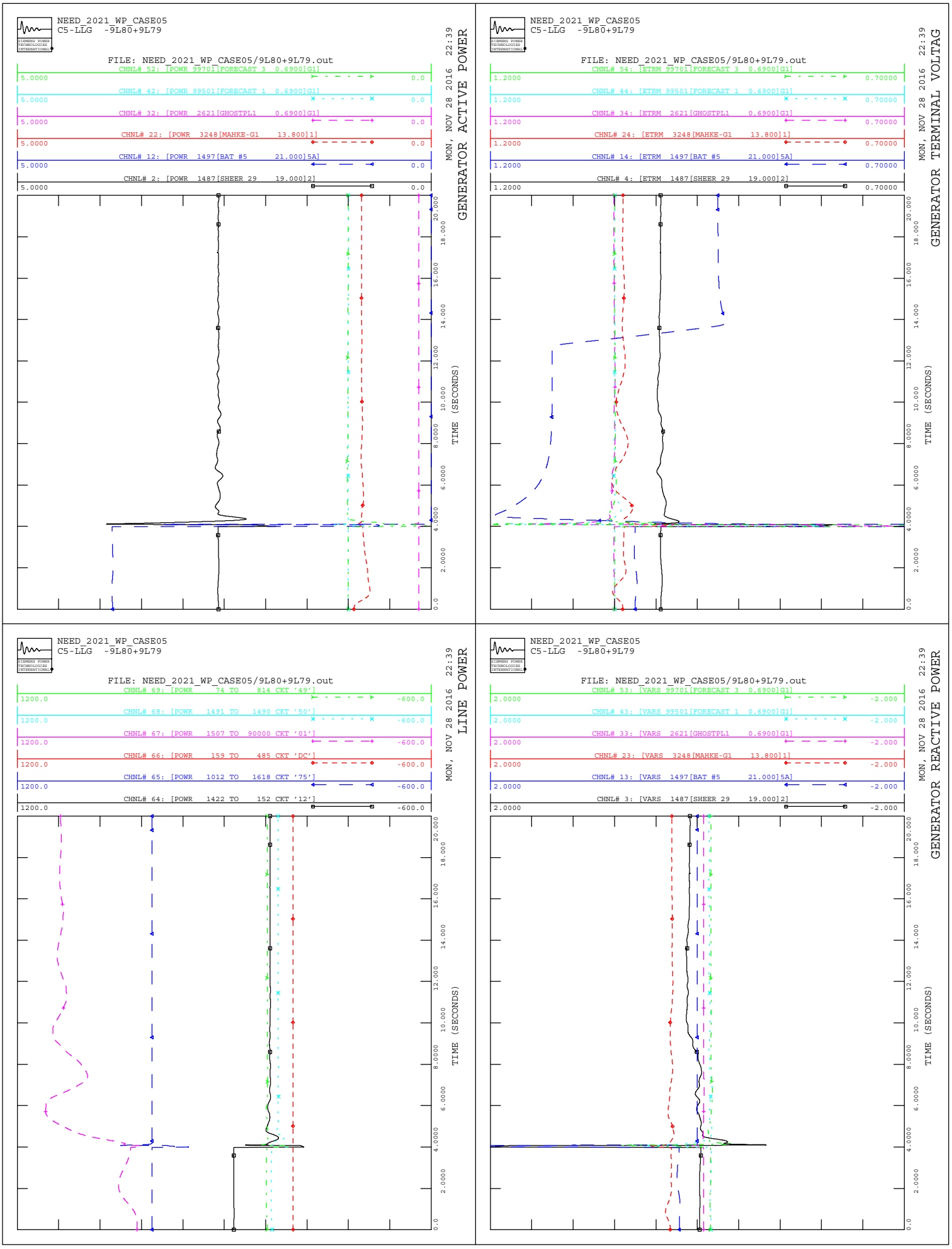
NEED_2021_WP_CASE05
C5-LLG -9L80+9L79

FILE: NEED_2021_WP_CASE05/9L80+9L79.out

MON, NOV 28 2016 22:39

MACHINE ANGEL



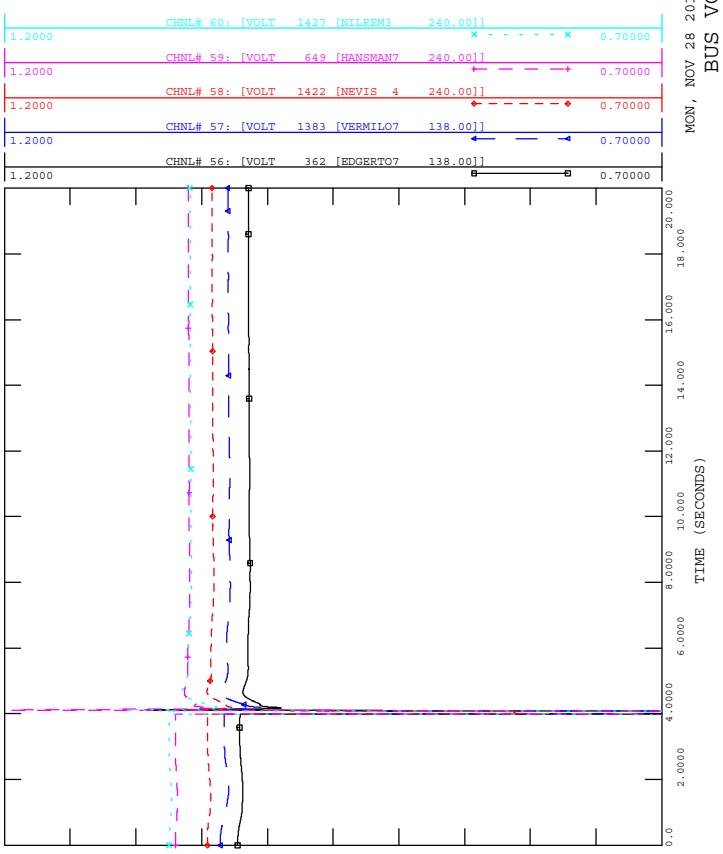

NEED_2021_WP_CASE05
C5-LLG -9L80+9L79
FILE: NEED_2021_WP_CASE05/9L80+9L79.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -9L80+9L79
FILE: NEED_2021_WP_CASE05/9L80+9L79.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -9L80+9L79
FILE: NEED_2021_WP_CASE05/9L80+9L79.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:39
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -9L80+9L79
FILE: NEED_2021_WP_CASE05/9L80+9L79.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_WP_CASE05
C5-LLG -953L+1047L

FILE: NEED_2021_WP_CASE05/953L+1047L.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

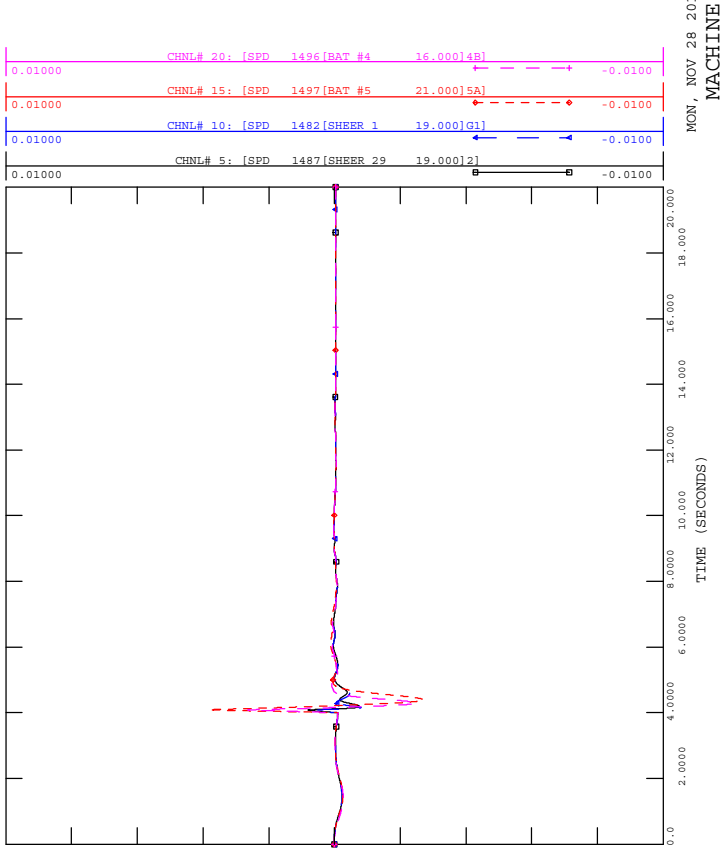


NEED_2021_WP_CASE05
C5-LLG -953L+1047L

FILE: NEED_2021_WP_CASE05/953L+1047L.out

MON, NOV 28 2016 22:39

MACHINE SPEED

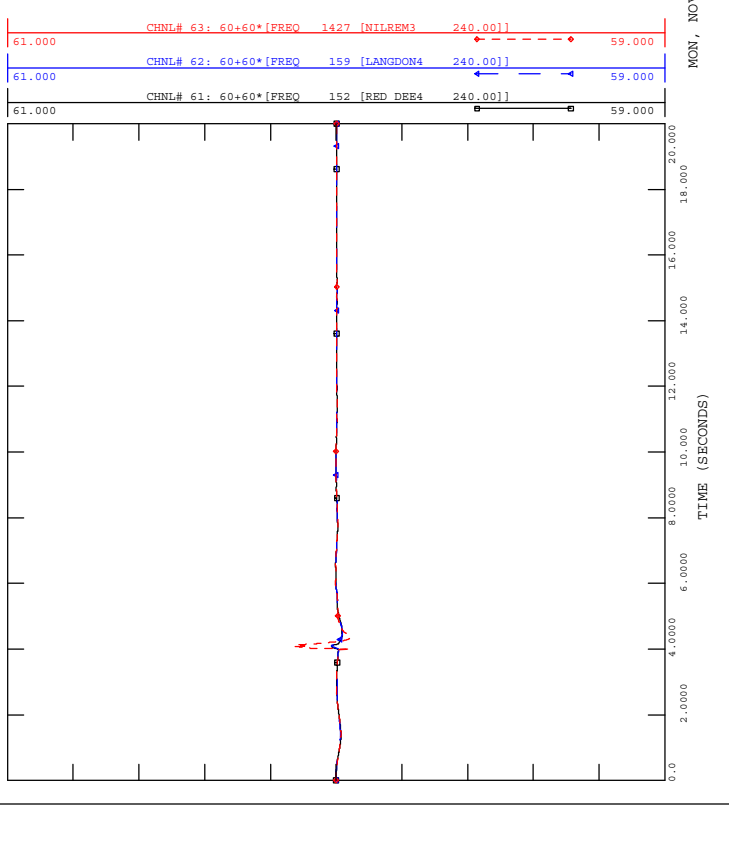


NEED_2021_WP_CASE05
C5-LLG -953L+1047L

FILE: NEED_2021_WP_CASE05/953L+1047L.out

MON, NOV 28 2016 22:39

FREQUENCY

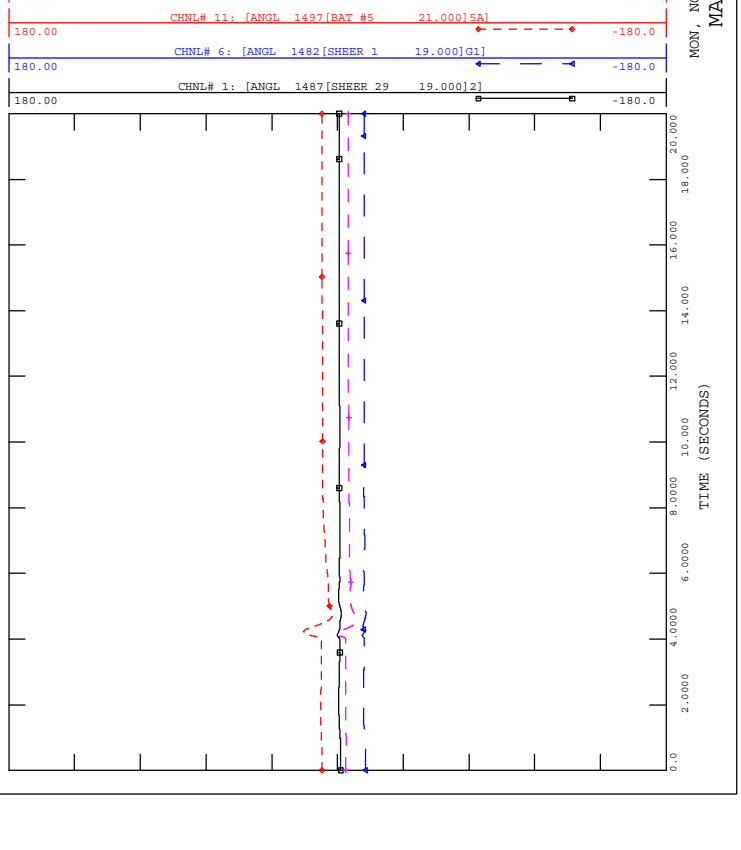


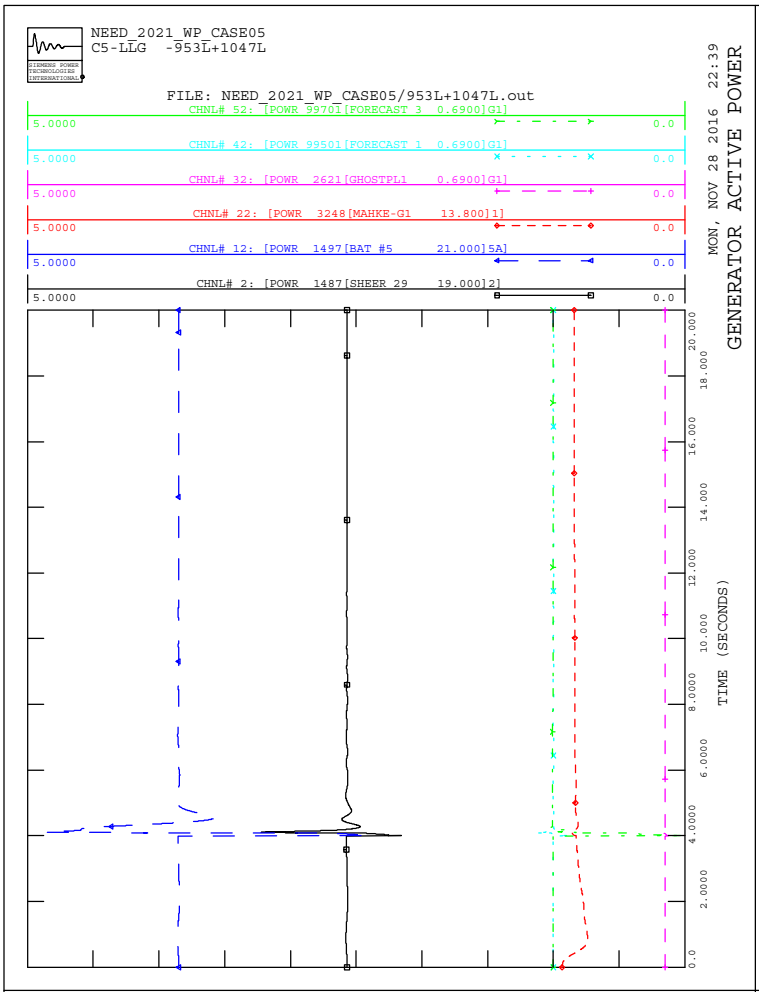
NEED_2021_WP_CASE05
C5-LLG -953L+1047L

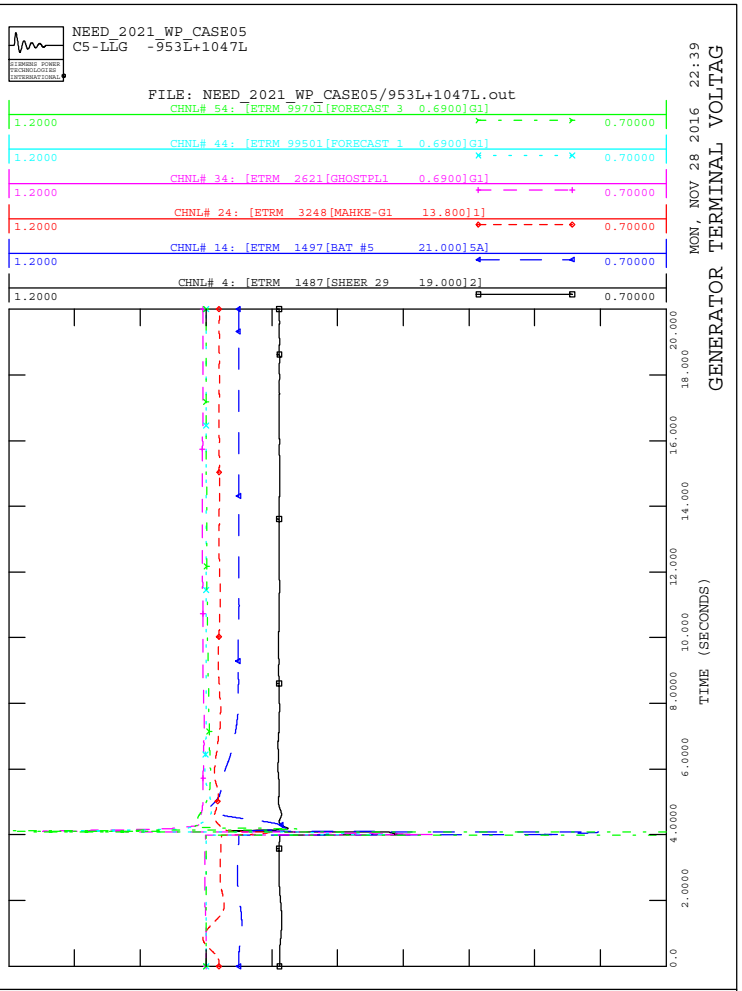
FILE: NEED_2021_WP_CASE05/953L+1047L.out

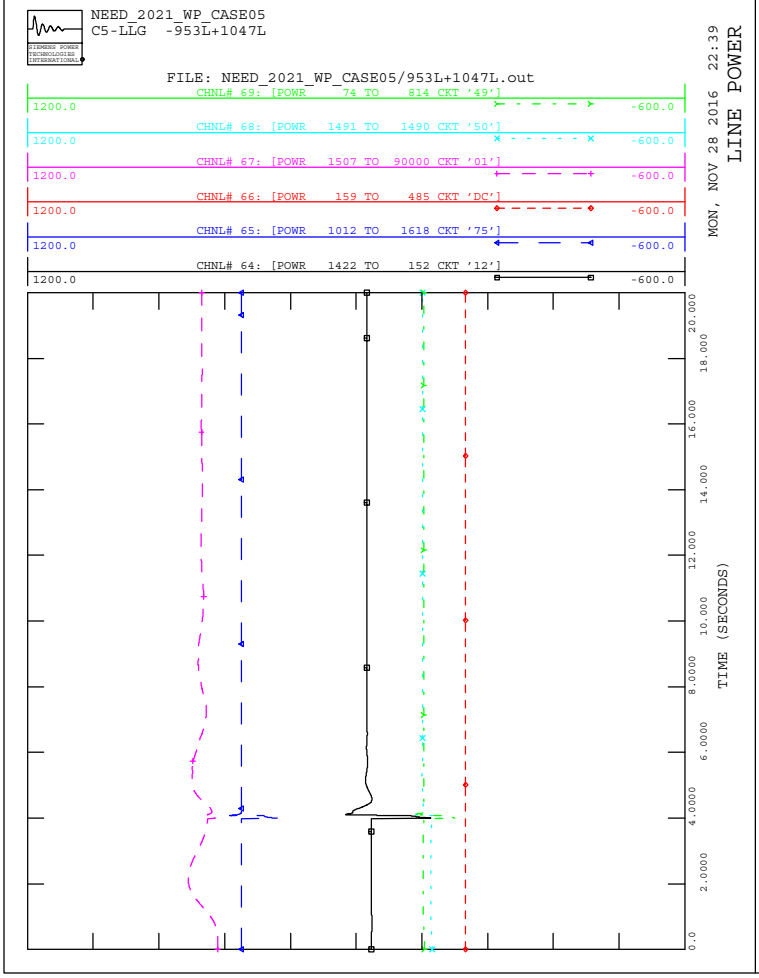
MON, NOV 28 2016 22:39

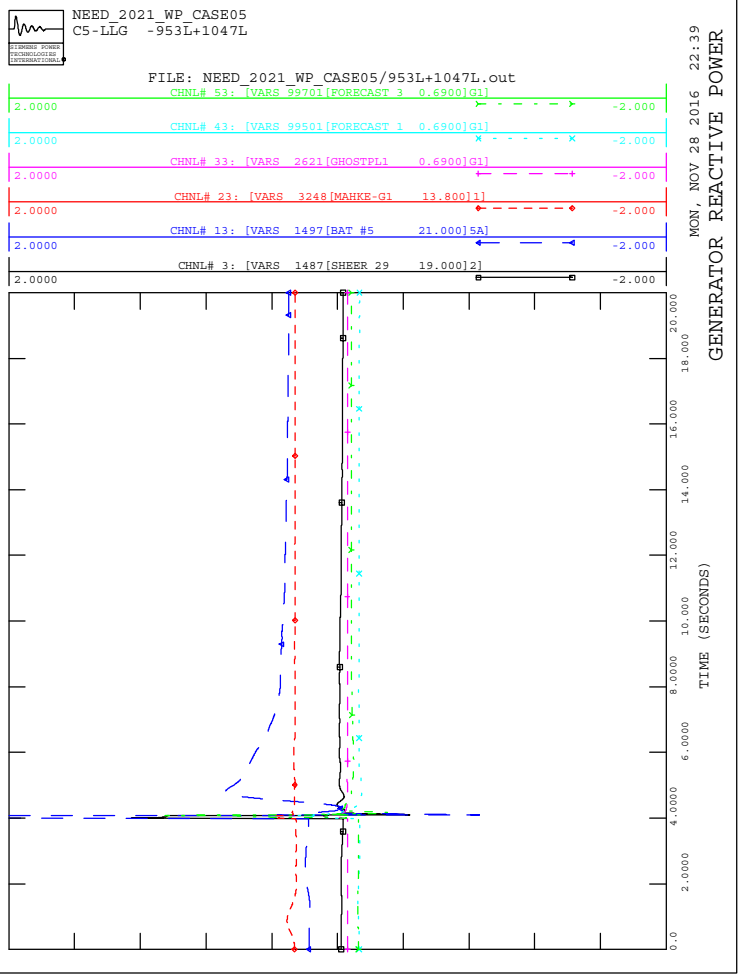
MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -953L+1047L
FILE: NEED_2021_WP_CASE05/953L+1047L.out
CHNL# 52: [POWR 9970I[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 9950I[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C5-LLG -953L+1047L
FILE: NEED_2021_WP_CASE05/953L+1047L.out
CHNL# 54: [ETRM 9970I[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 9950I[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C5-LLG -953L+1047L
FILE: NEED_2021_WP_CASE05/953L+1047L.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER

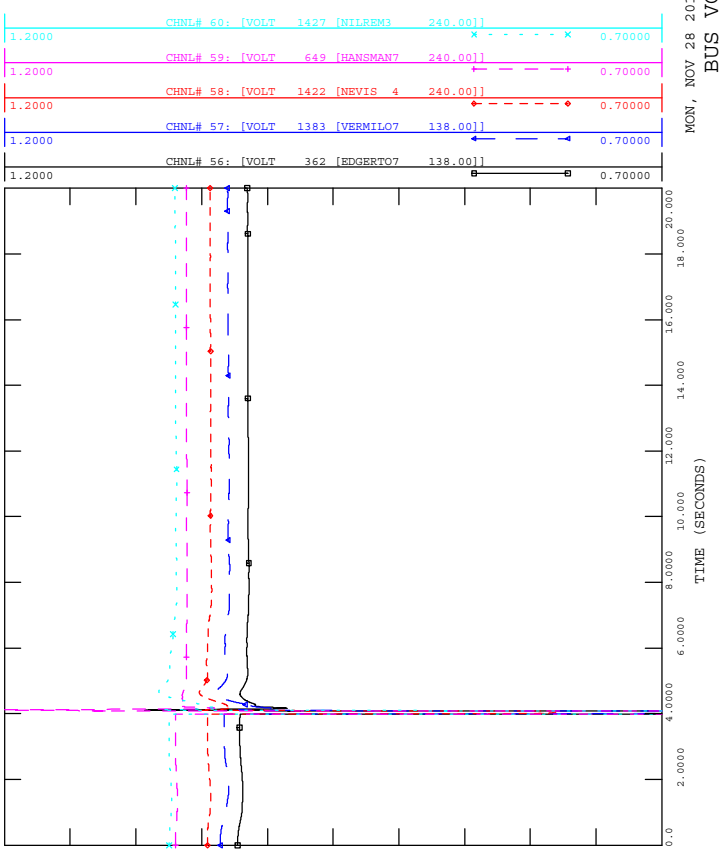

NEED_2021_WP_CASE05
C5-LLG -953L+1047L
FILE: NEED_2021_WP_CASE05/953L+1047L.out
CHNL# 53: [VARS 9970I[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 9950I[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C5-LLG -948L+1047L

FILE: NEED_2021_WP_CASE05/948L+1047L.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

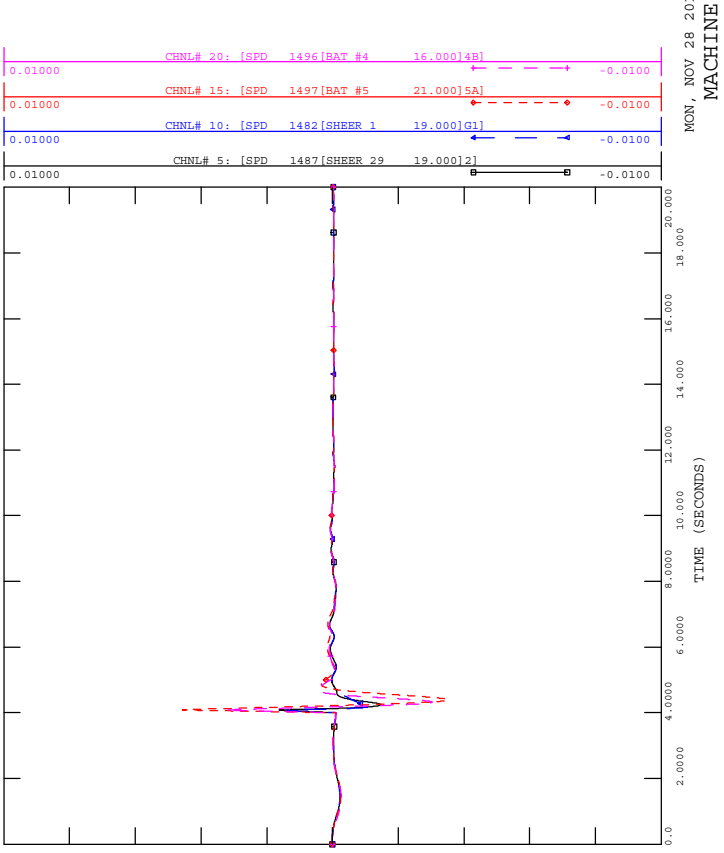


NEED_2021_WP_CASE05
C5-LLG -948L+1047L

FILE: NEED_2021_WP_CASE05/948L+1047L.out

MON, NOV 28 2016 22:39

MACHINE SPEED

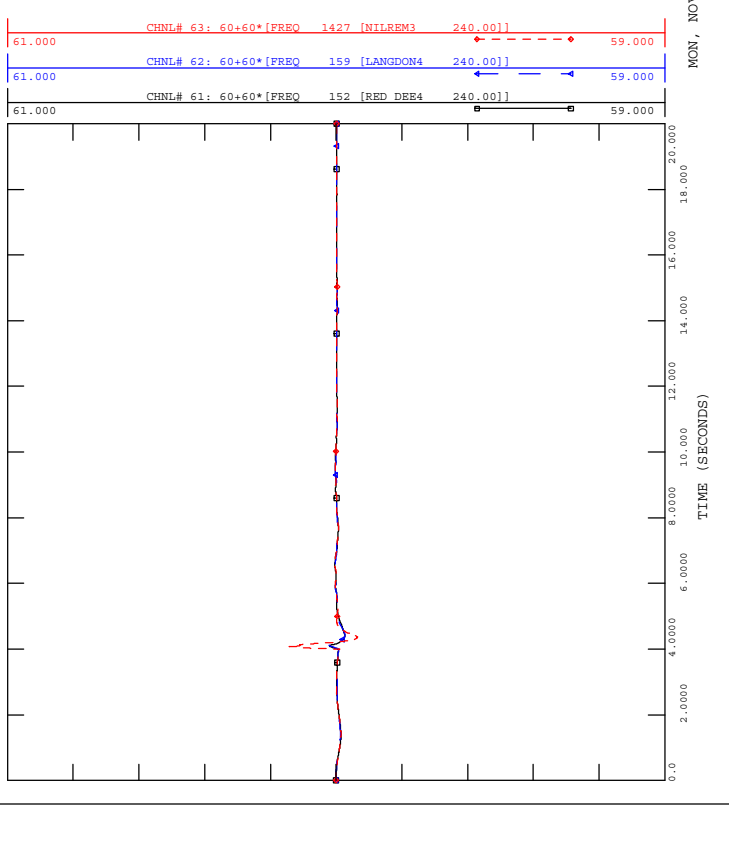


NEED_2021_WP_CASE05
C5-LLG -948L+1047L

FILE: NEED_2021_WP_CASE05/948L+1047L.out

MON, NOV 28 2016 22:39

FREQUENCY

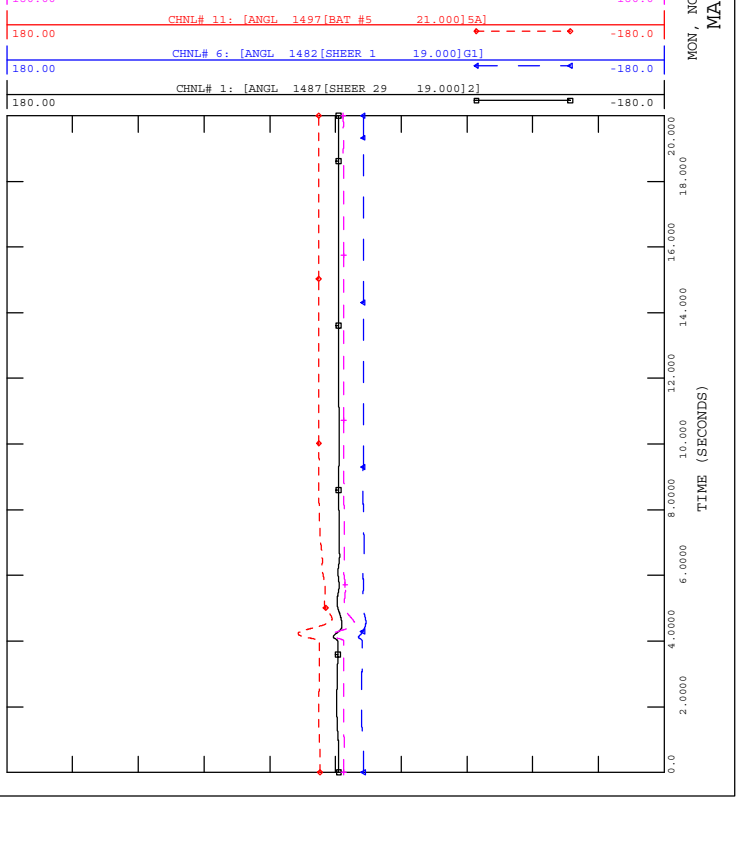


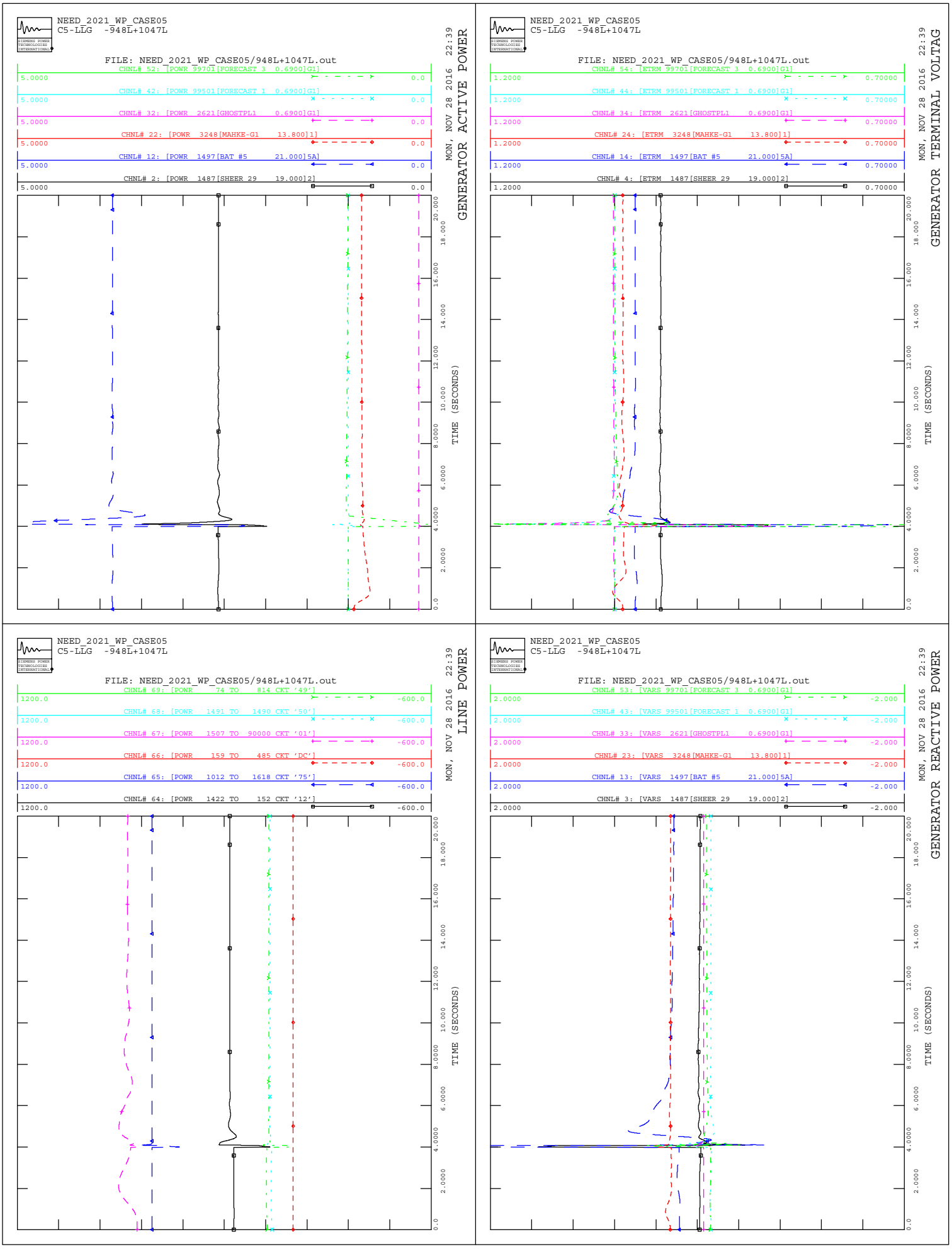
NEED_2021_WP_CASE05
C5-LLG -948L+1047L

FILE: NEED_2021_WP_CASE05/948L+1047L.out

MON, NOV 28 2016 22:39

MACHINE ANGEL



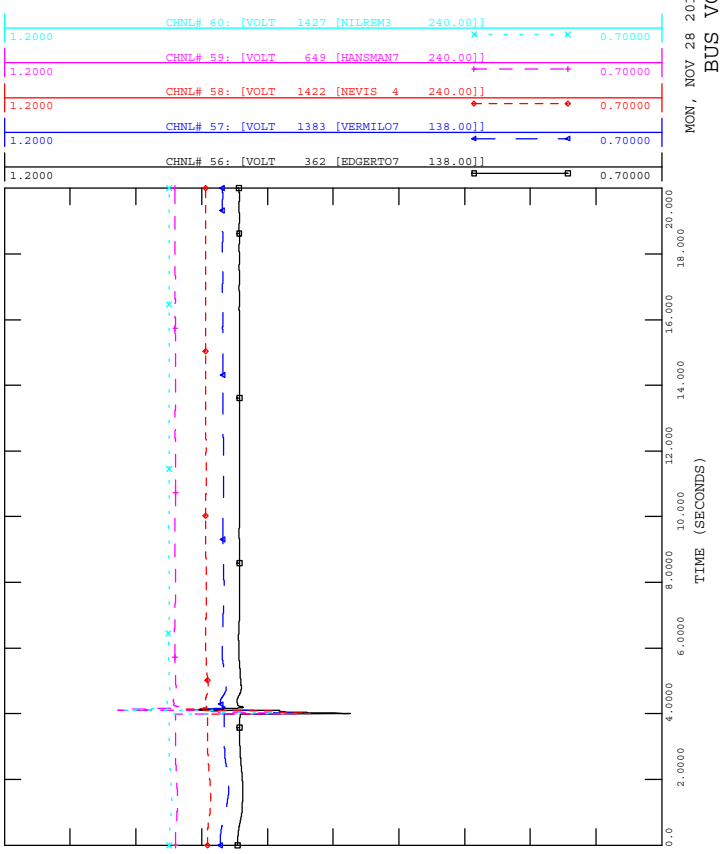

NEED_2021_WP_CASE05
C5-LLG -948L+1047L
FILE: NEED_2021_WP_CASE05/948L+1047L.out
CHNL# 52: [POWR 9970I[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 9950I[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -948L+1047L
FILE: NEED_2021_WP_CASE05/948L+1047L.out
CHNL# 54: [ETRM 9970I[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 9950I[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -948L+1047L
FILE: NEED_2021_WP_CASE05/948L+1047L.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:39
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -948L+1047L
FILE: NEED_2021_WP_CASE05/948L+1047L.out
CHNL# 53: [VARS 9970I[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 9950I[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_WP_CASE05
C5-LLG -7L128+7L171

FILE: NEED_2021_WP_CASE05/7L128+7L171.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

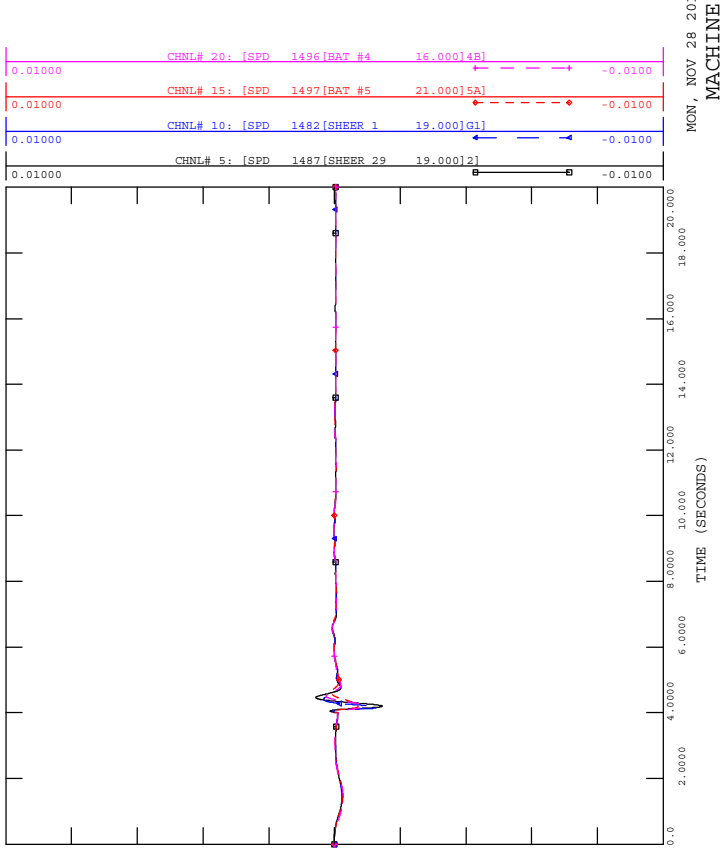


NEED_2021_WP_CASE05
C5-LLG -7L128+7L171

FILE: NEED_2021_WP_CASE05/7L128+7L171.out

MON, NOV 28 2016 22:39

MACHINE SPEED

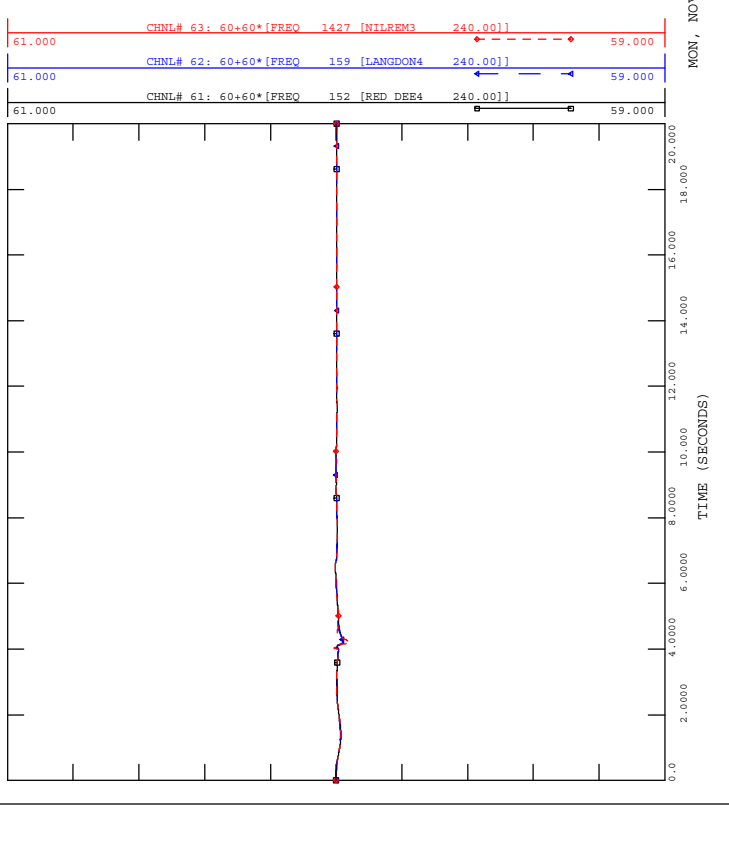


NEED_2021_WP_CASE05
C5-LLG -7L128+7L171

FILE: NEED_2021_WP_CASE05/7L128+7L171.out

MON, NOV 28 2016 22:39

FREQUENCY

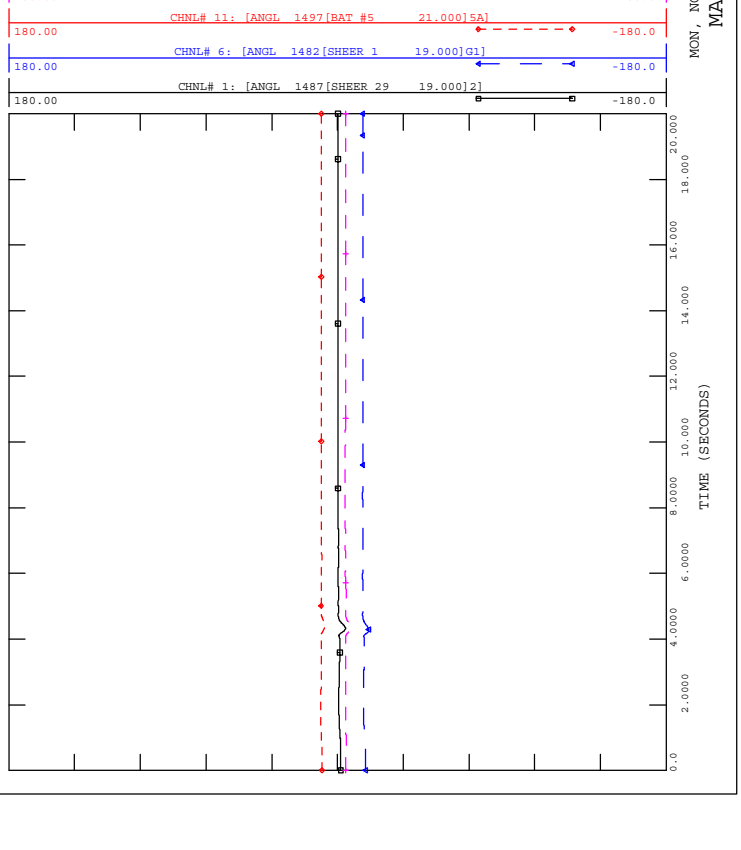


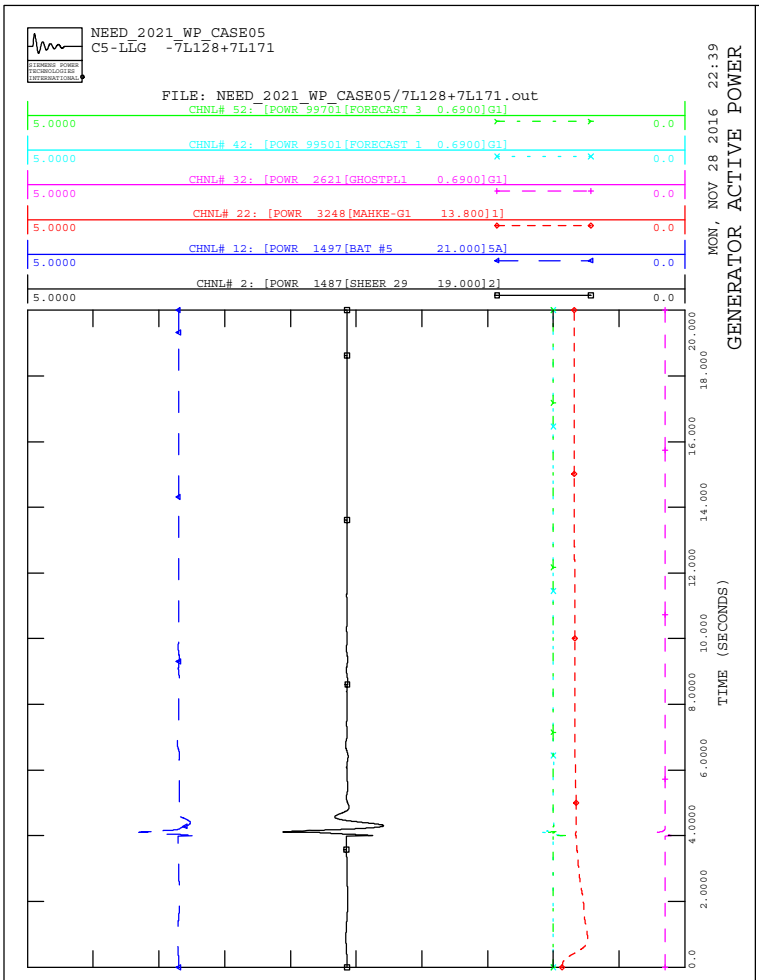
NEED_2021_WP_CASE05
C5-LLG -7L128+7L171

FILE: NEED_2021_WP_CASE05/7L128+7L171.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -7L128+7L171
FILE: NEED_2021_WP_CASE05/7L128+7L171.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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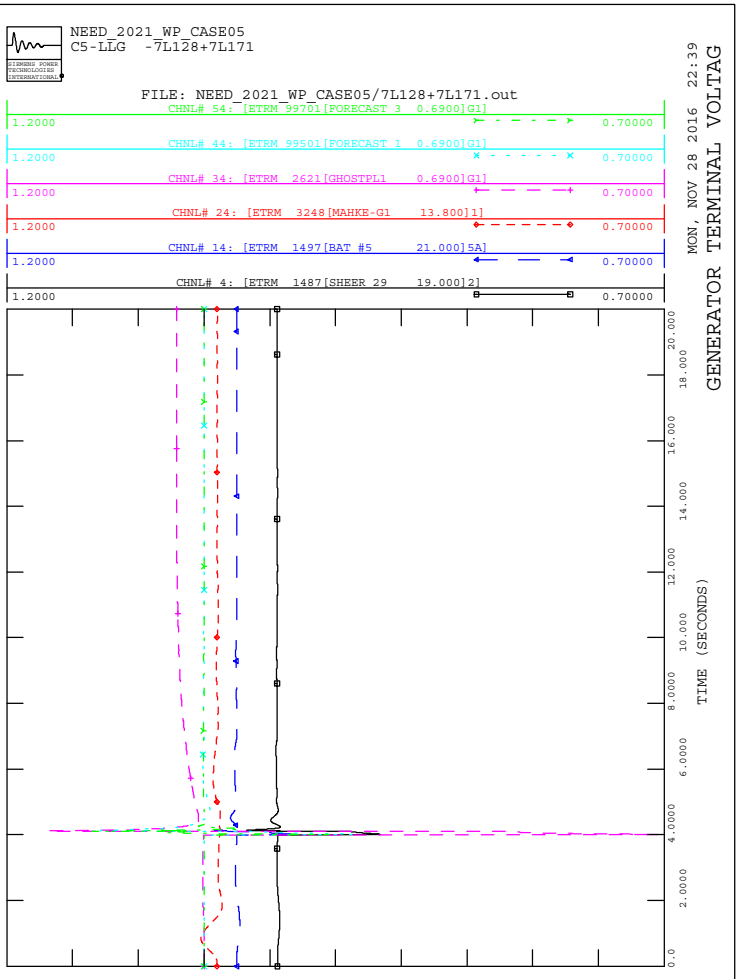
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C5-LLG -7L128+7L171
FILE: NEED_2021_WP_CASE05/7L128+7L171.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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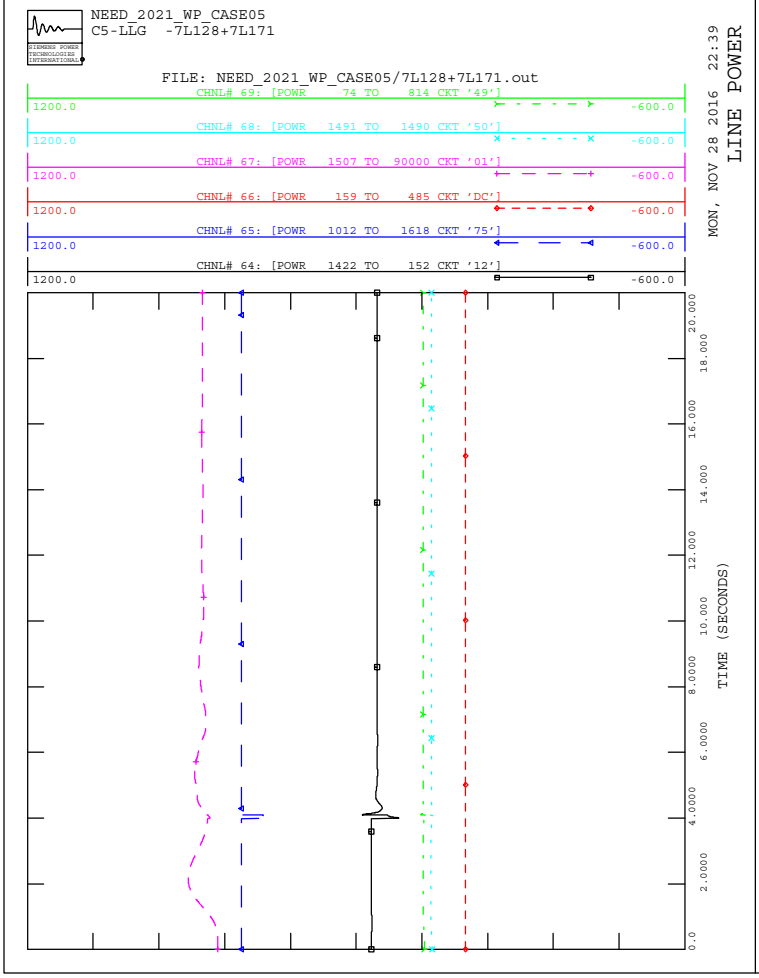
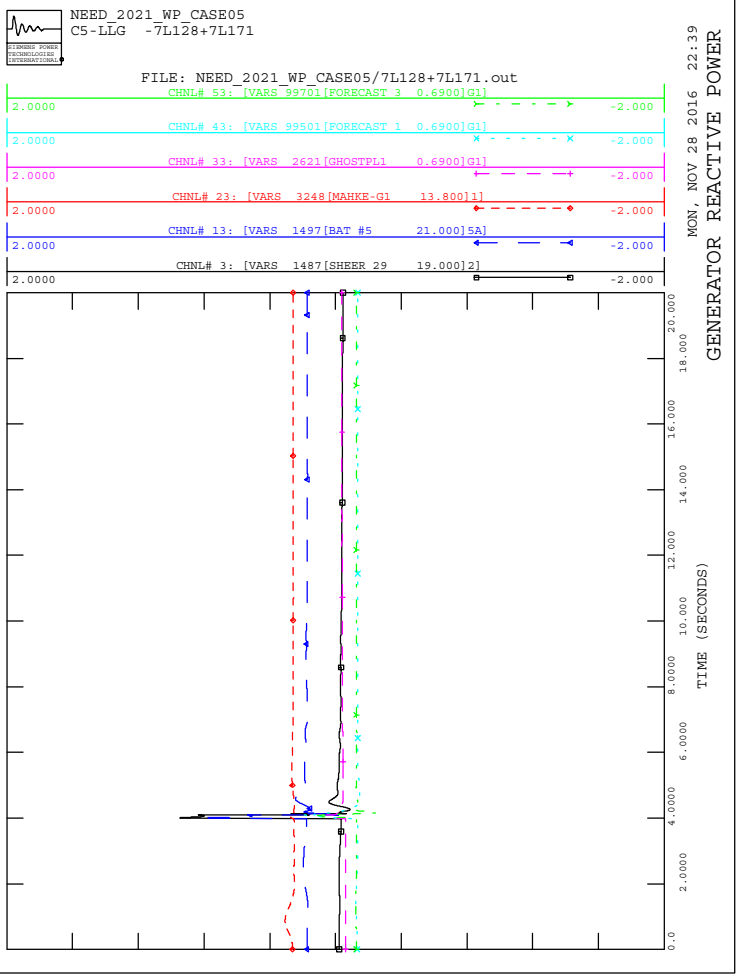
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C5-LLG -7L128+7L171
FILE: NEED_2021_WP_CASE05/7L128+7L171.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER

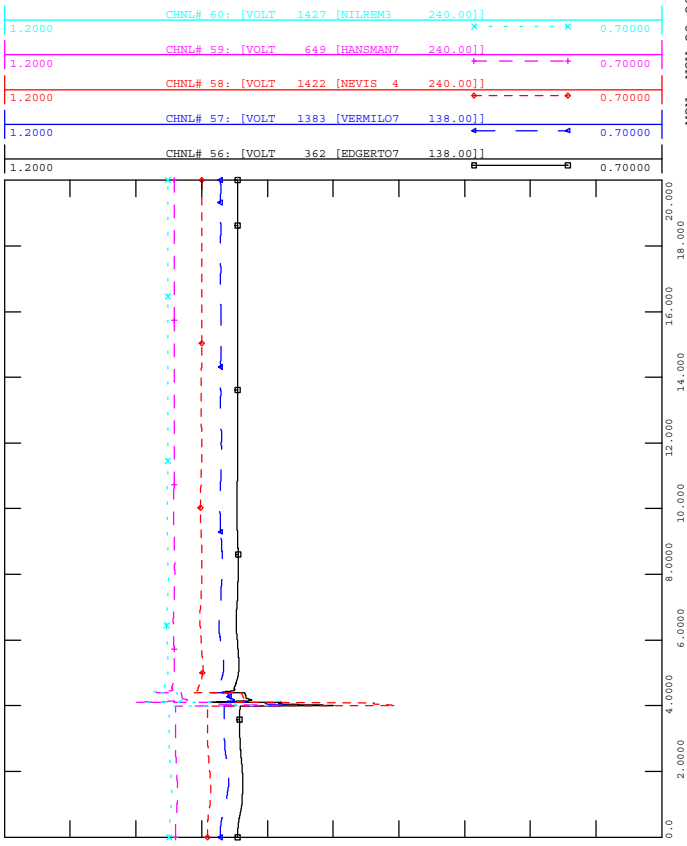

NEED_2021_WP_CASE05
C5-LLG -7L128+7L171
FILE: NEED_2021_WP_CASE05/7L128+7L171.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C5-LLG -7L16+7L159

FILE: NEED_2021_WP_CASE05/7L16+7L159.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

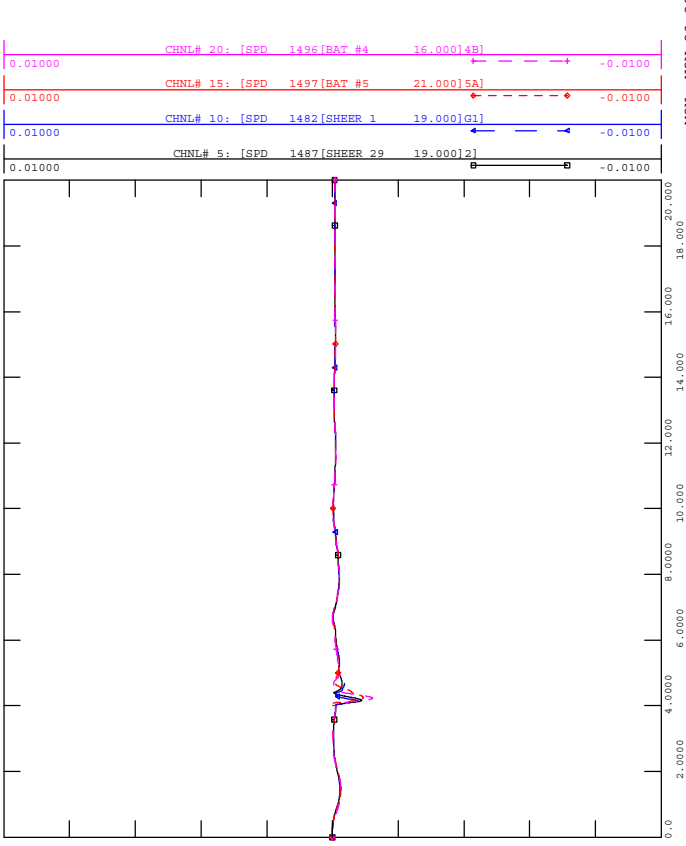


NEED_2021_WP_CASE05
C5-LLG -7L16+7L159

FILE: NEED_2021_WP_CASE05/7L16+7L159.out

MON, NOV 28 2016 22:39

MACHINE SPEED

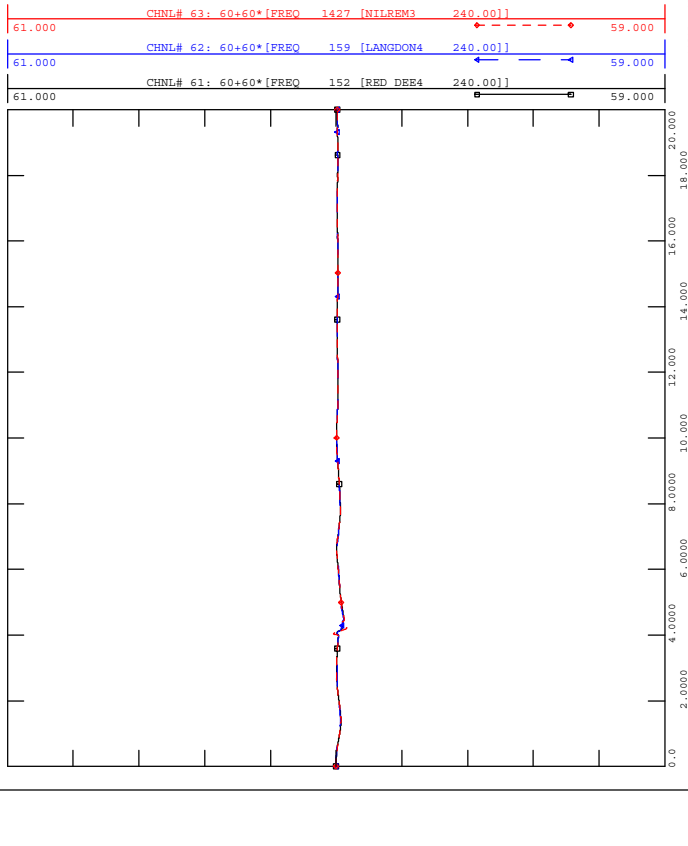


NEED_2021_WP_CASE05
C5-LLG -7L16+7L159

FILE: NEED_2021_WP_CASE05/7L16+7L159.out

MON, NOV 28 2016 22:39

FREQUENCY

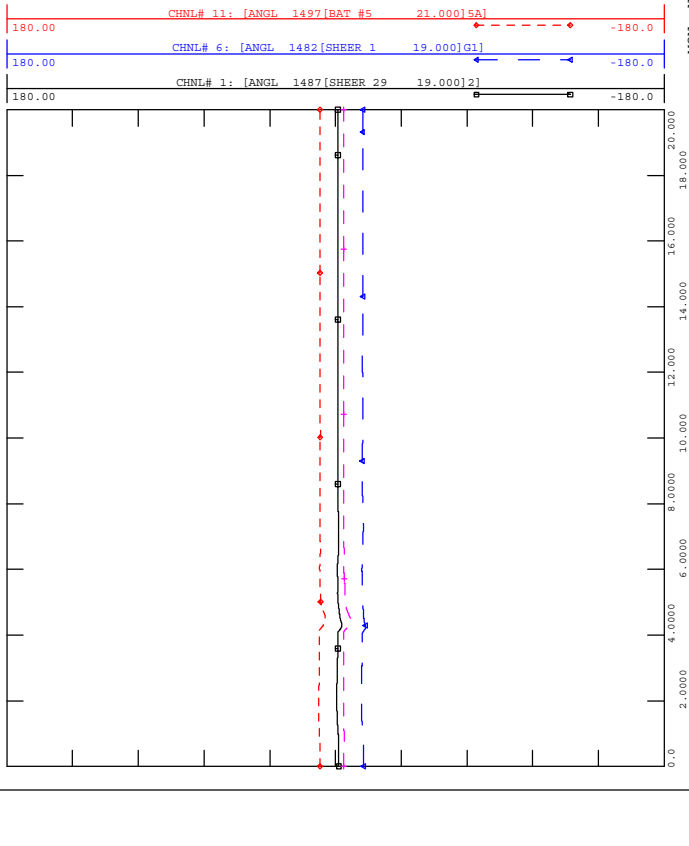


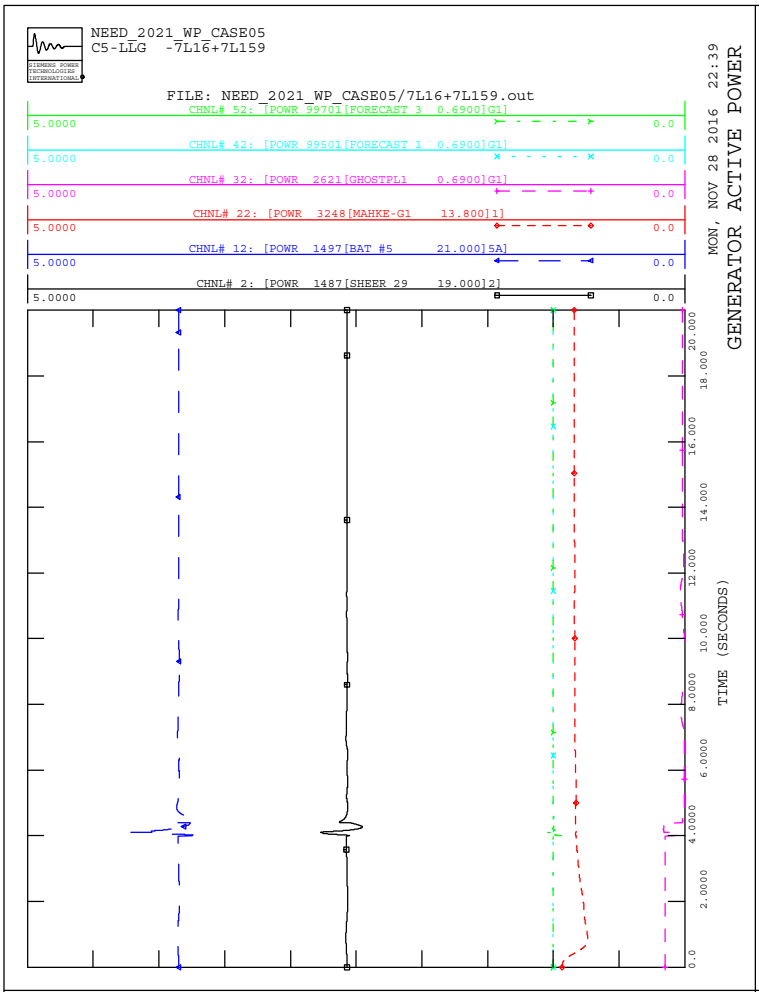
NEED_2021_WP_CASE05
C5-LLG -7L16+7L159

FILE: NEED_2021_WP_CASE05/7L16+7L159.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -7L16+7L159
FILE: NEED_2021_WP_CASE05/7L16+7L159.out
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CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER
TIME (SECONDS)
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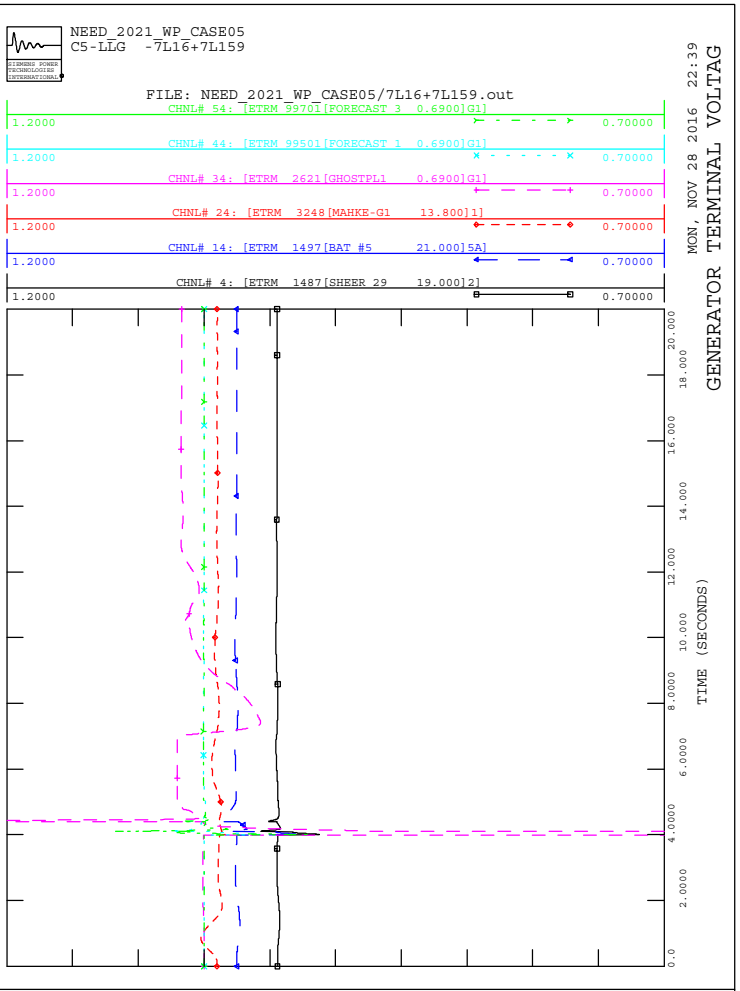
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_WP_CASE05
C5-LLG -7L16+7L159
FILE: NEED_2021_WP_CASE05/7L16+7L159.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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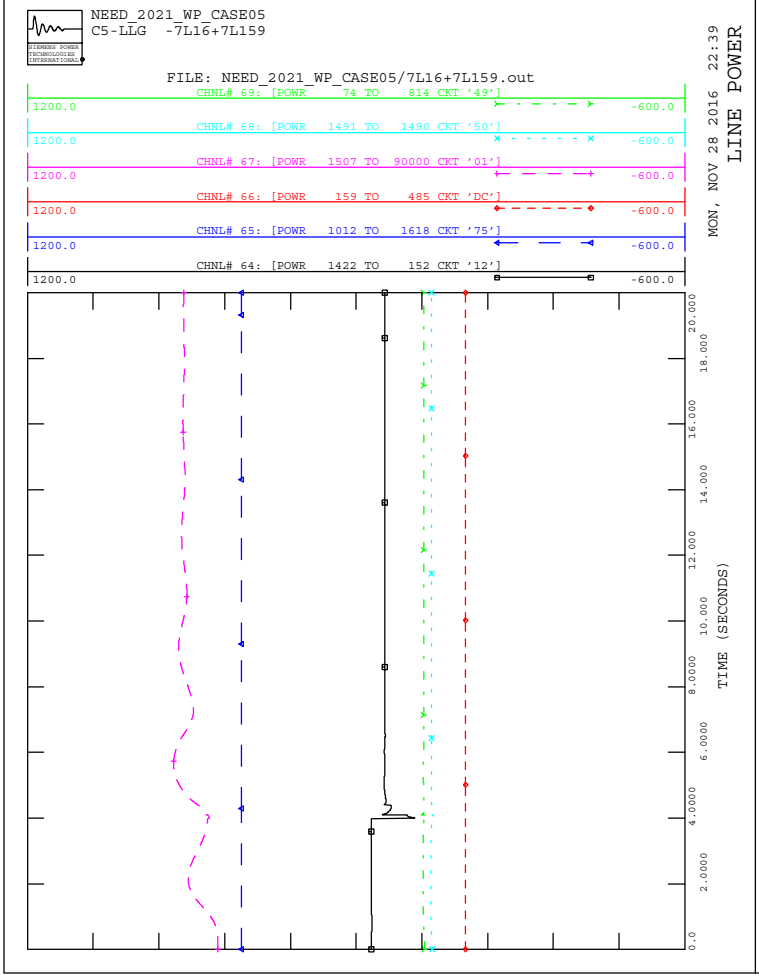
18.000
20.000


NEED_2021_WP_CASE05
C5-LLG -7L16+7L159
FILE: NEED_2021_WP_CASE05/7L16+7L159.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:39
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
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12.000
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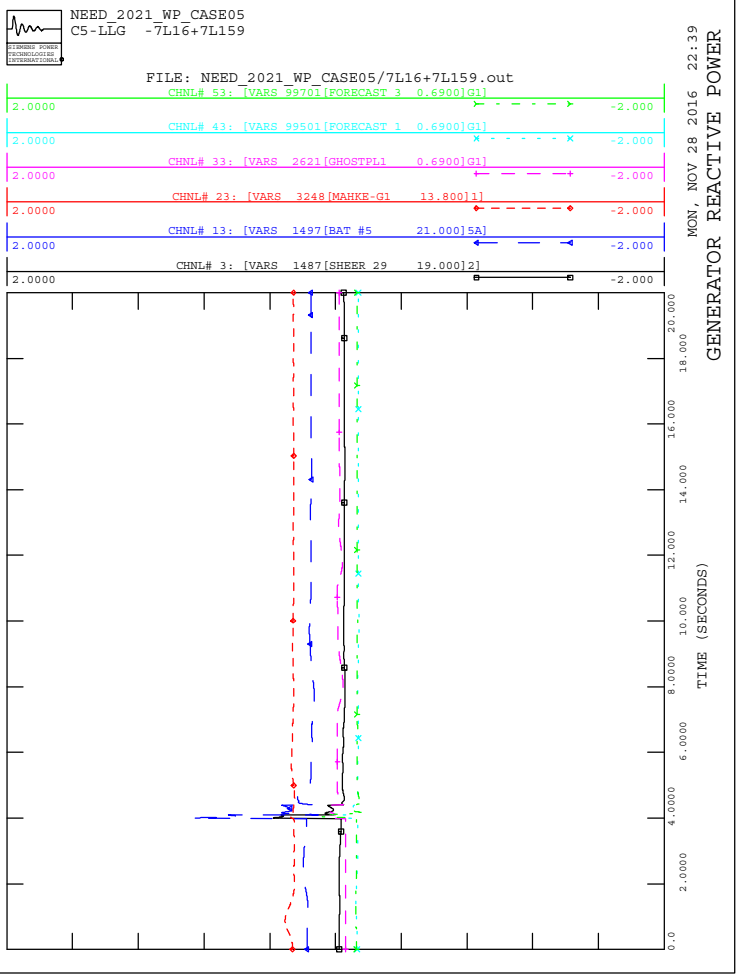
16.000
18.000
20.000

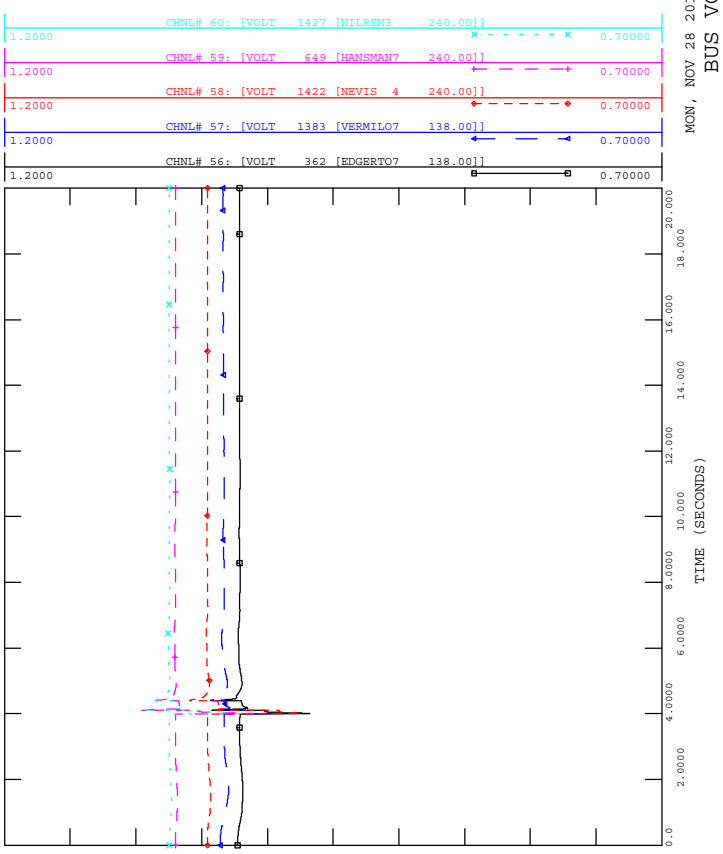

NEED_2021_WP_CASE05
C5-LLG -7L16+7L159
FILE: NEED_2021_WP_CASE05/7L16+7L159.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_WP_CASE05
C5-LLG -7L25+7L137

FILE: NEED_2021_WP_CASE05/7L25+7L137.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

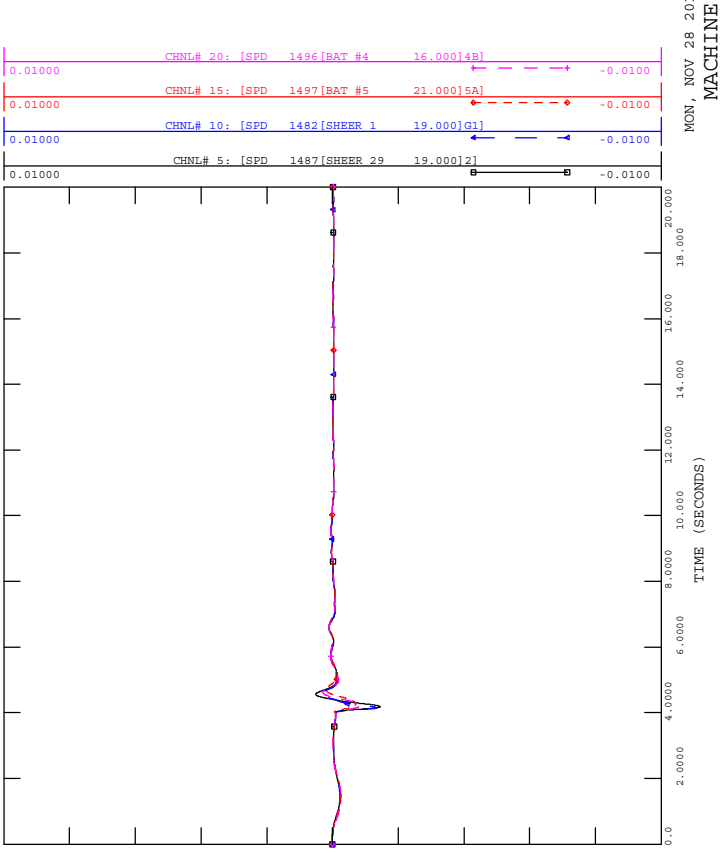


NEED_2021_WP_CASE05
C5-LLG -7L25+7L137

FILE: NEED_2021_WP_CASE05/7L25+7L137.out

MON, NOV 28 2016 22:39

MACHINE SPEED

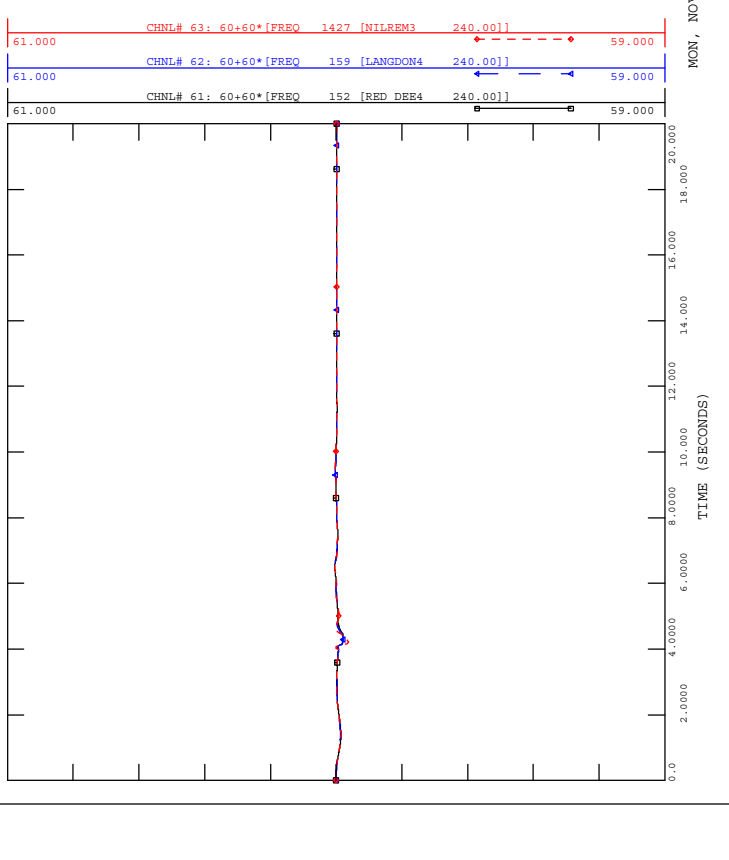


NEED_2021_WP_CASE05
C5-LLG -7L25+7L137

FILE: NEED_2021_WP_CASE05/7L25+7L137.out

MON, NOV 28 2016 22:39

FREQUENCY

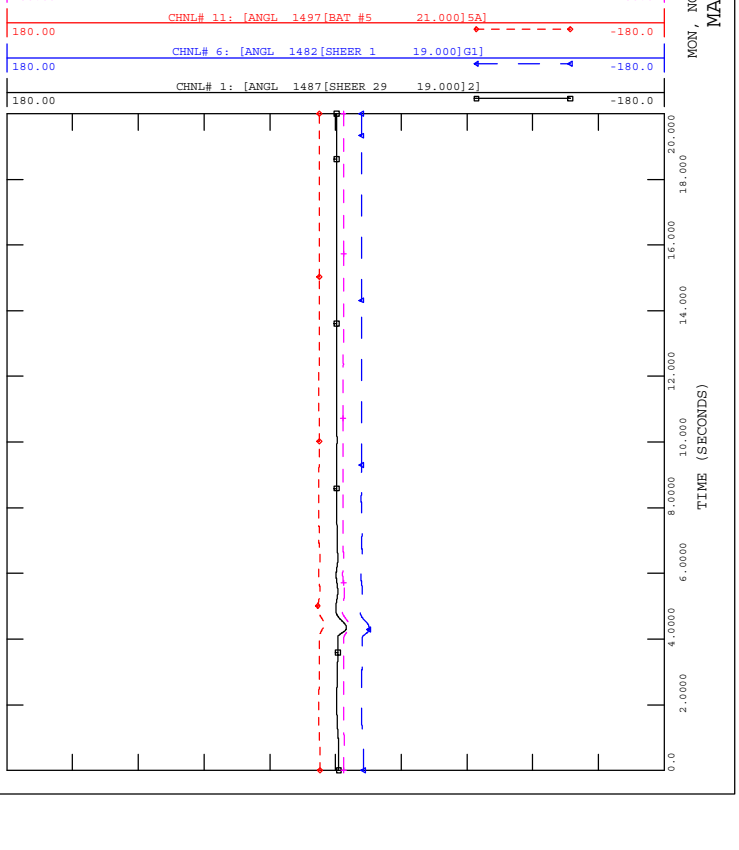


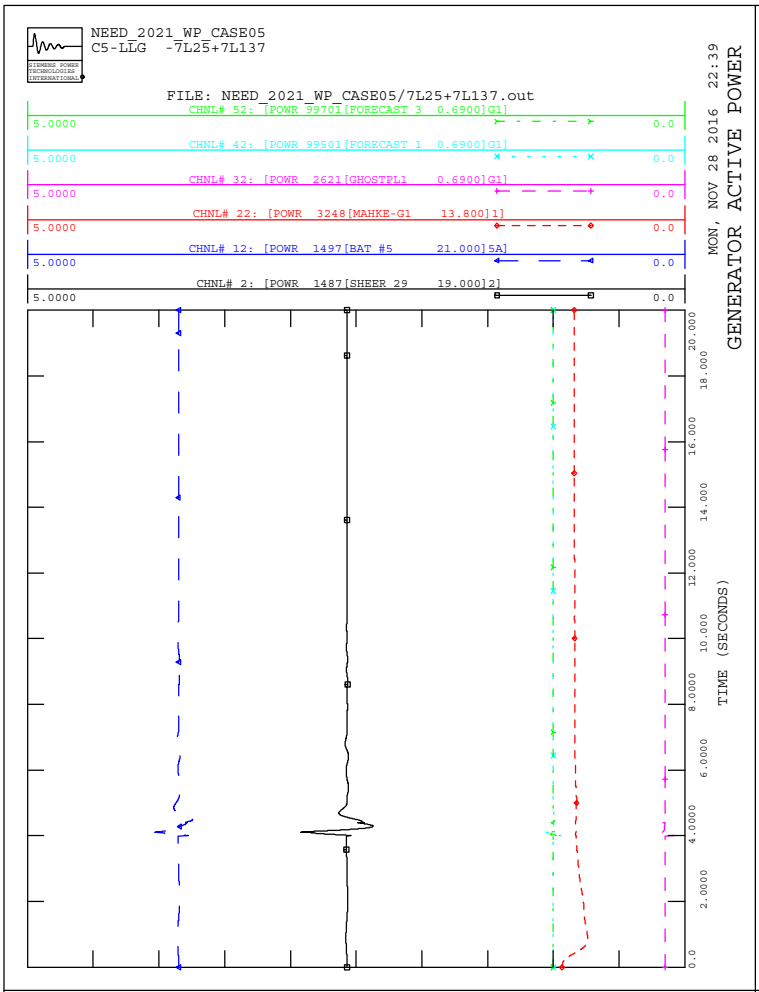
NEED_2021_WP_CASE05
C5-LLG -7L25+7L137

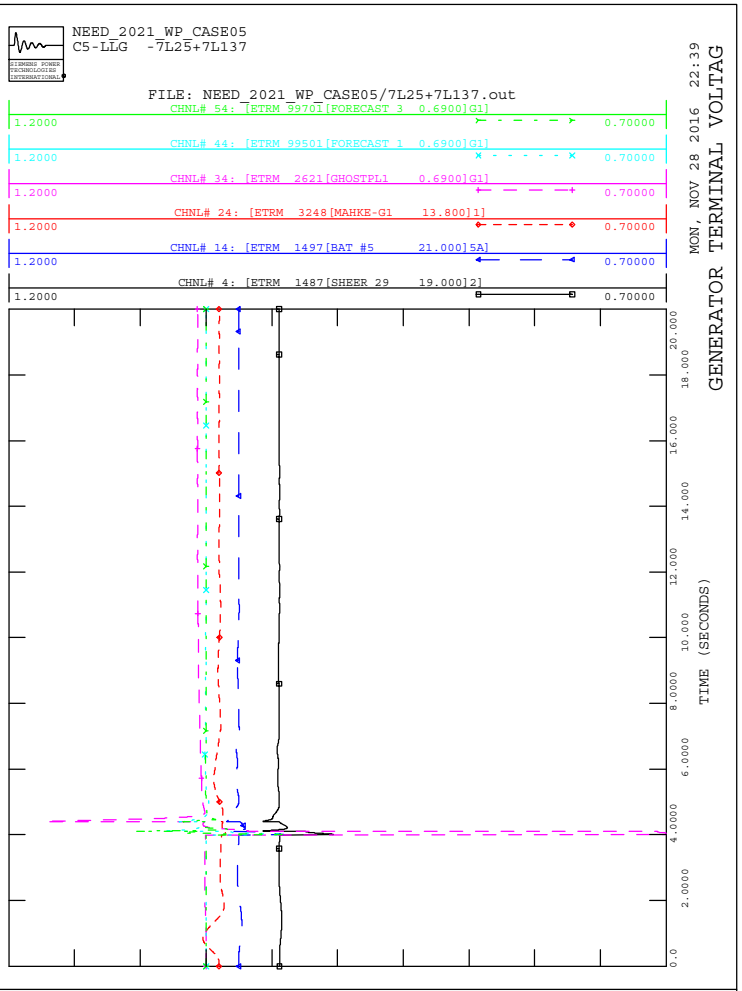
FILE: NEED_2021_WP_CASE05/7L25+7L137.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




NEED_2021_WP_CASE05
C5-LLG -7L25+7L137
FILE: NEED_2021_WP_CASE05/7L25+7L137.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C5-LLG -7L25+7L137
FILE: NEED_2021_WP_CASE05/7L25+7L137.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0
2.0000
4.0000
6.0000
8.0000
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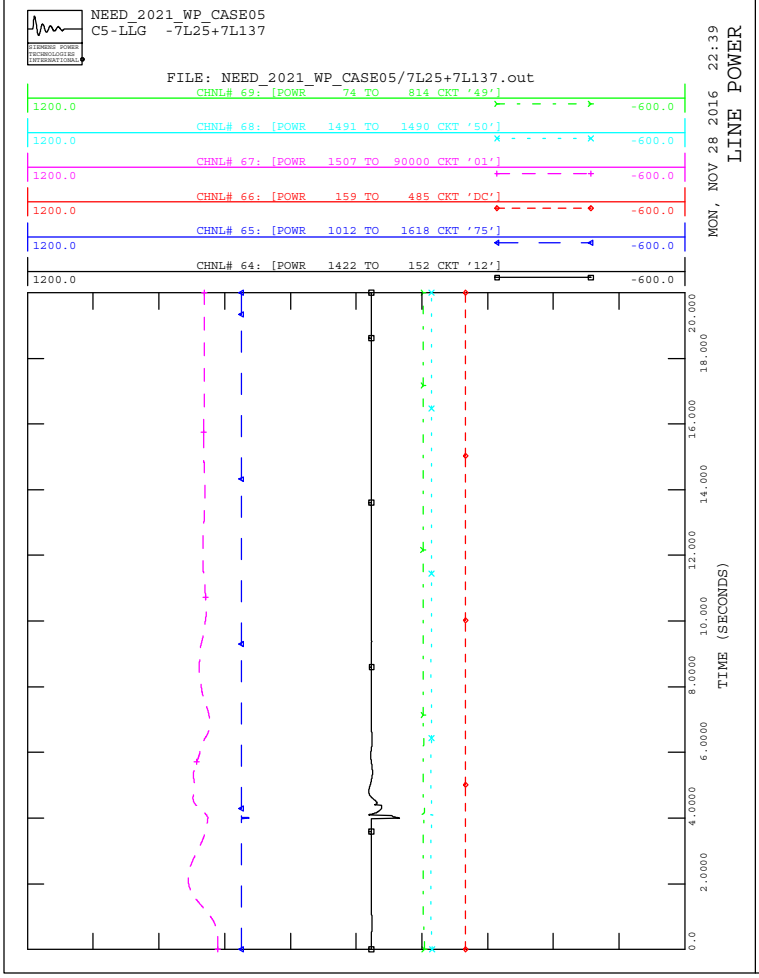
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C5-LLG -7L25+7L137
FILE: NEED_2021_WP_CASE05/7L25+7L137.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
2.0000
4.0000
6.0000
8.0000
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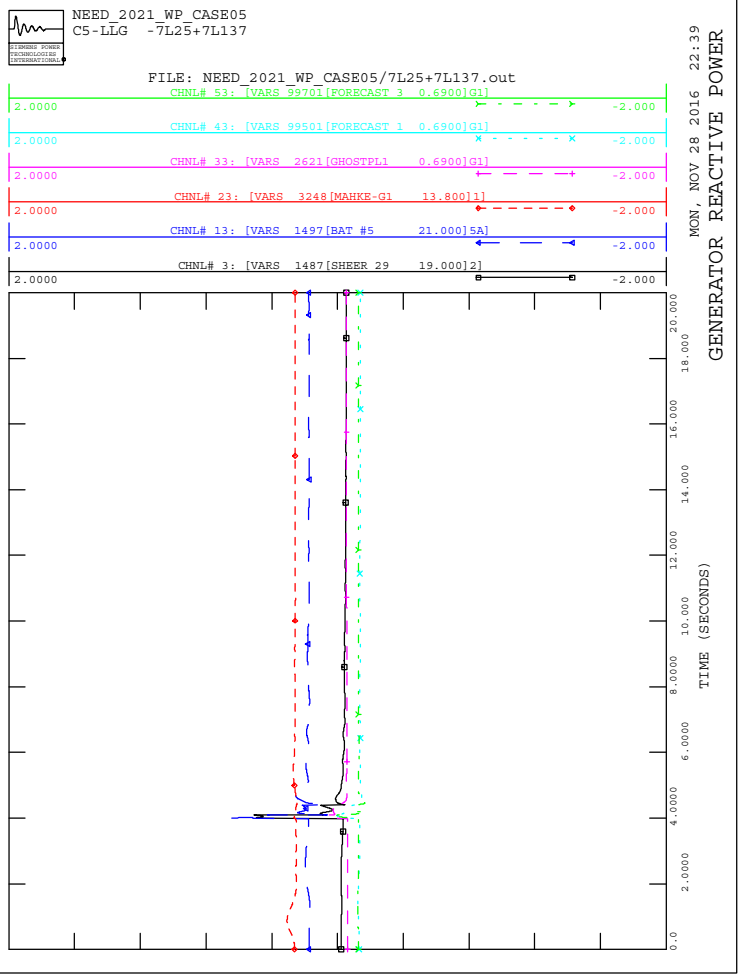
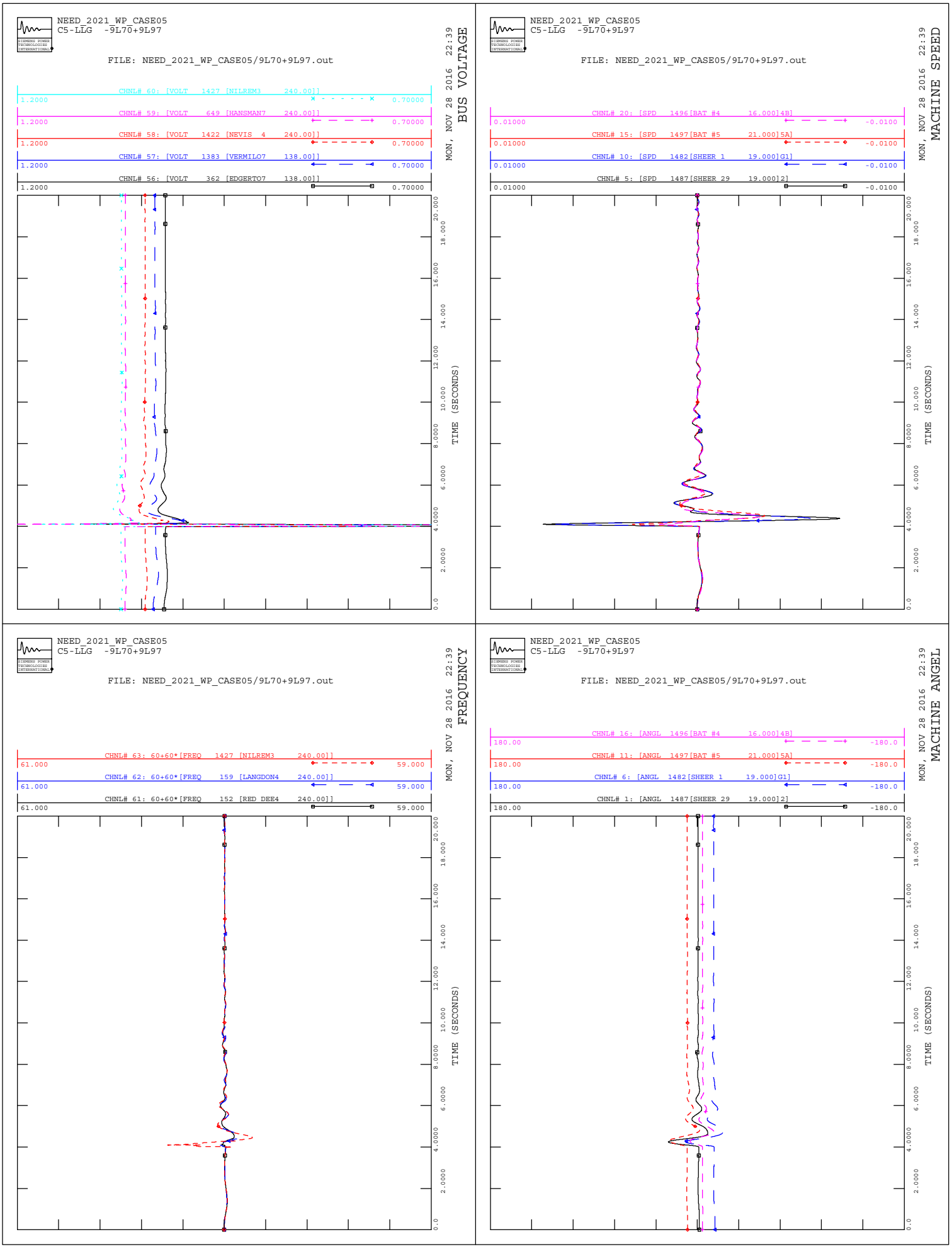
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER


NEED_2021_WP_CASE05
C5-LLG -7L25+7L137
FILE: NEED_2021_WP_CASE05/7L25+7L137.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER


NEED_2021_WP_CASE05
C5-LLG -9L70+9L97
FILE: NEED_2021_WP_CASE05/9L70+9L97.out
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
MON, NOV 28 2016 22:39
BUS VOLTAGE
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -9L70+9L97
FILE: NEED_2021_WP_CASE05/9L70+9L97.out
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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-0.0100
MON, NOV 28 2016 22:39
MACHINE SPEED
TIME (SECONDS)
NEED_2021_WP_CASE05
C5-LLG -9L70+9L97
FILE: NEED_2021_WP_CASE05/9L70+9L97.out
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
MON, NOV 28 2016 22:39
FREQUENCY
TIME (SECONDS)
NEED_2021_WP_CASE05
C5-LLG -9L70+9L97
FILE: NEED_2021_WP_CASE05/9L70+9L97.out
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
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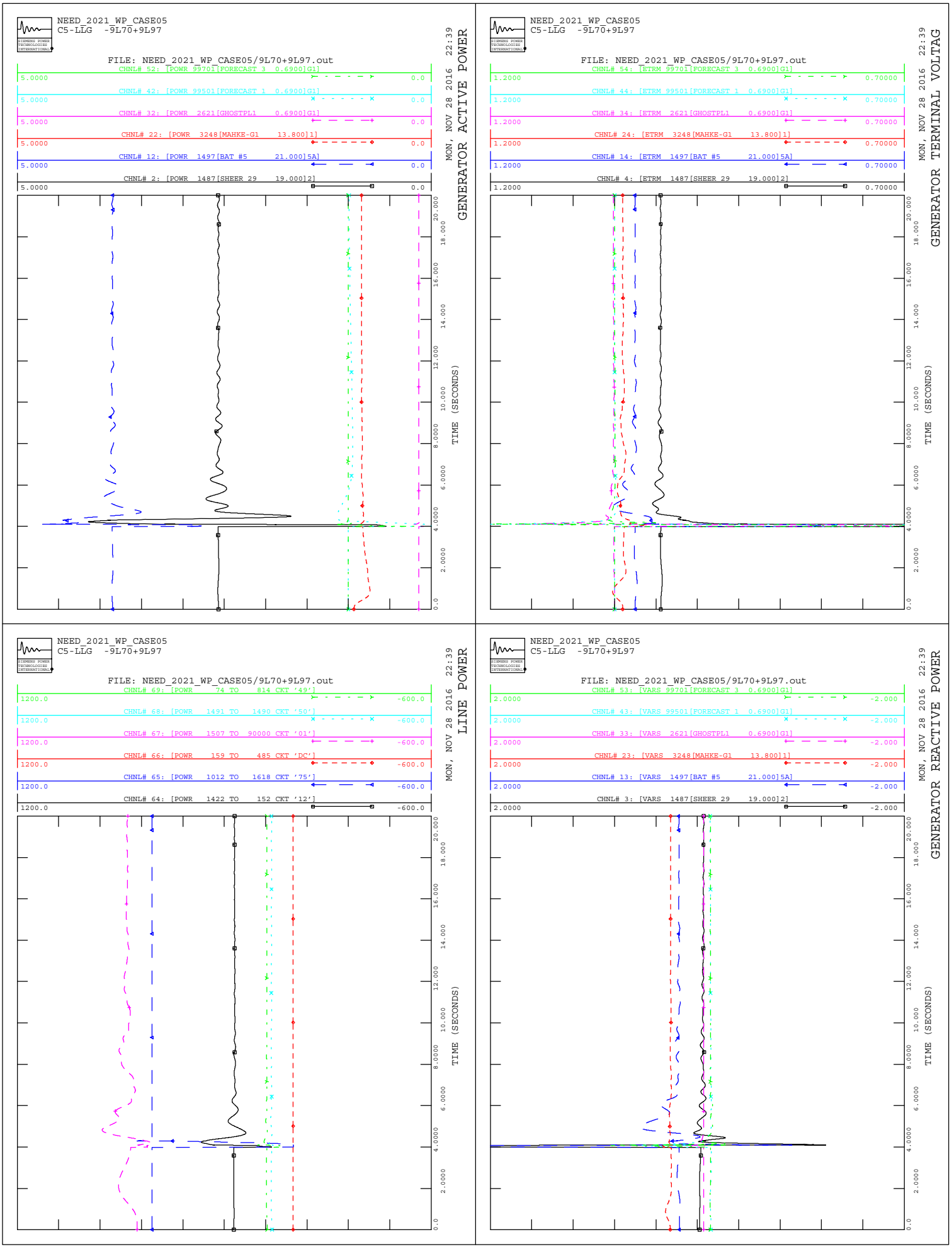
MON, NOV 28 2016 22:39
MACHINE ANGEL
TIME (SECONDS)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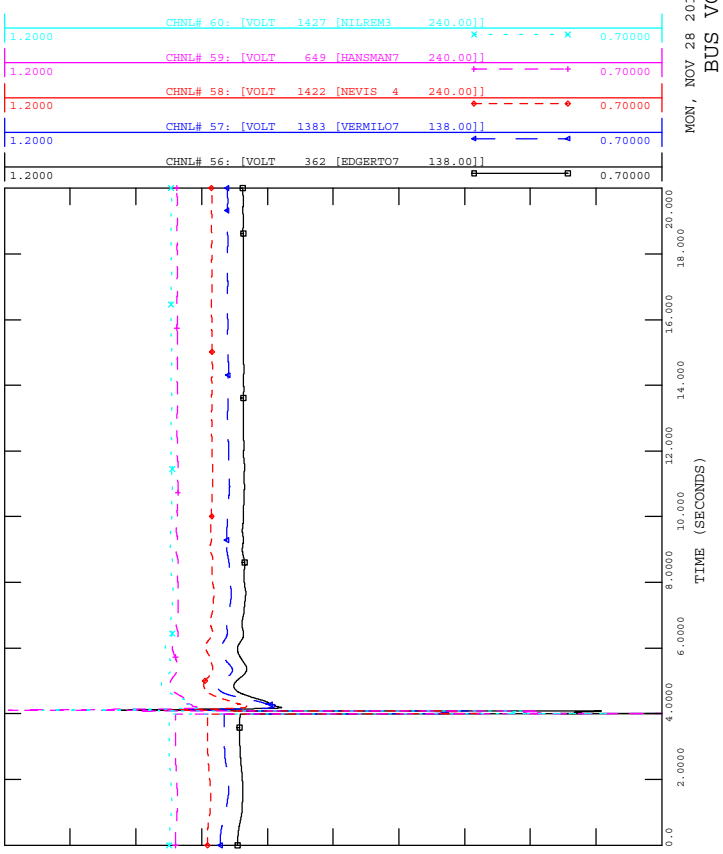
FILE: NEED_2021_WP_CASE05/9L70+9L97.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -9L70+9L97
FILE: NEED_2021_WP_CASE05/9L70+9L97.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -9L70+9L97
FILE: NEED_2021_WP_CASE05/9L70+9L97.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:39
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C5-LLG -9L70+9L97
FILE: NEED_2021_WP_CASE05/9L70+9L97.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_WP_CASE05
C5-LLG -933L+934L

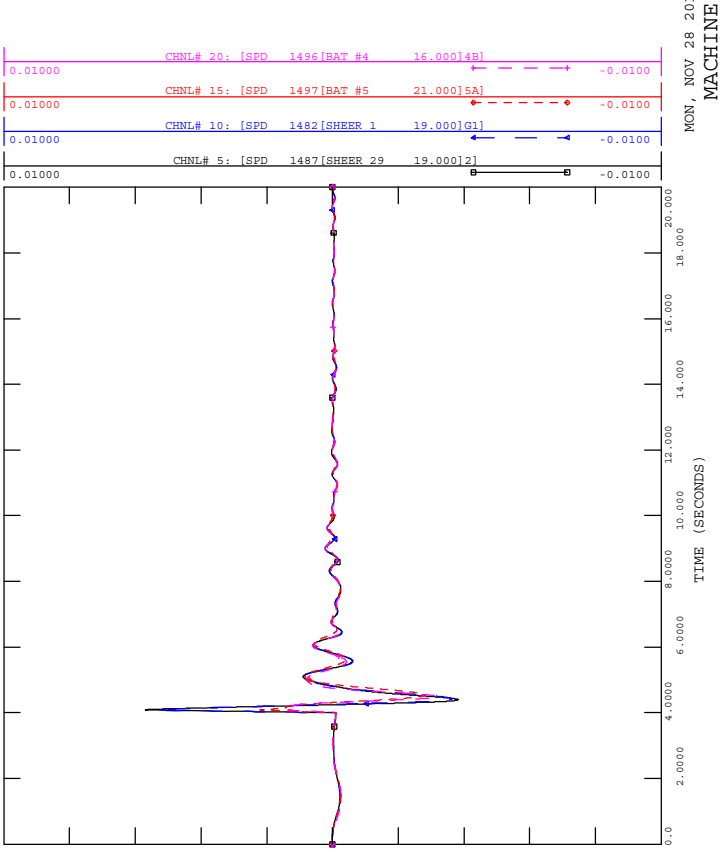
FILE: NEED_2021_WP_CASE05/933L+934L.out



MON, NOV 28 2016 22:39
BUS VOLTAGE

NEED_2021_WP_CASE05
C5-LLG -933L+934L

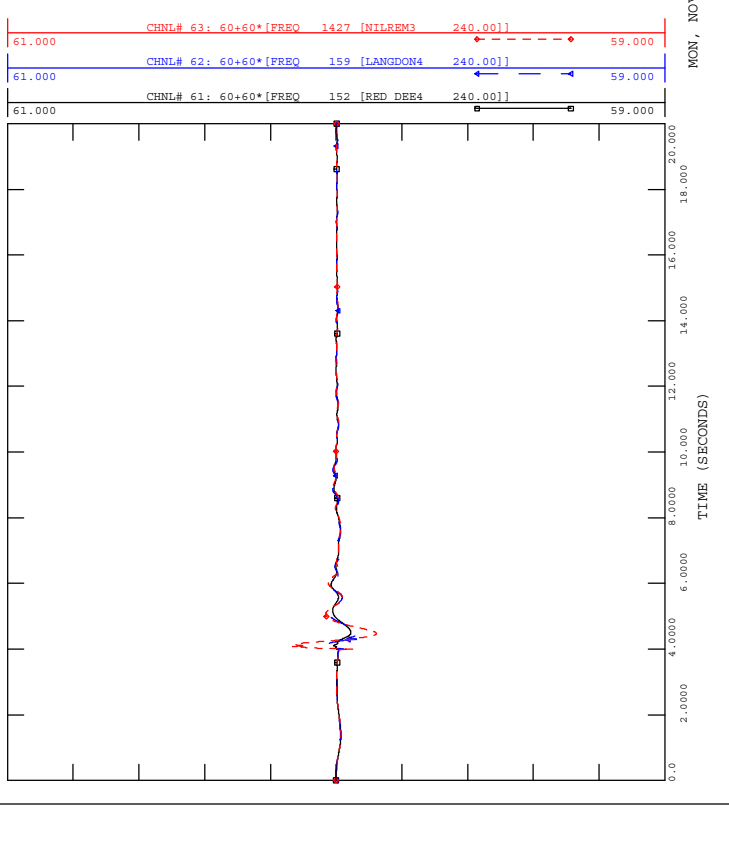
FILE: NEED_2021_WP_CASE05/933L+934L.out



MON, NOV 28 2016 22:39
MACHINE SPEED

NEED_2021_WP_CASE05
C5-LLG -933L+934L

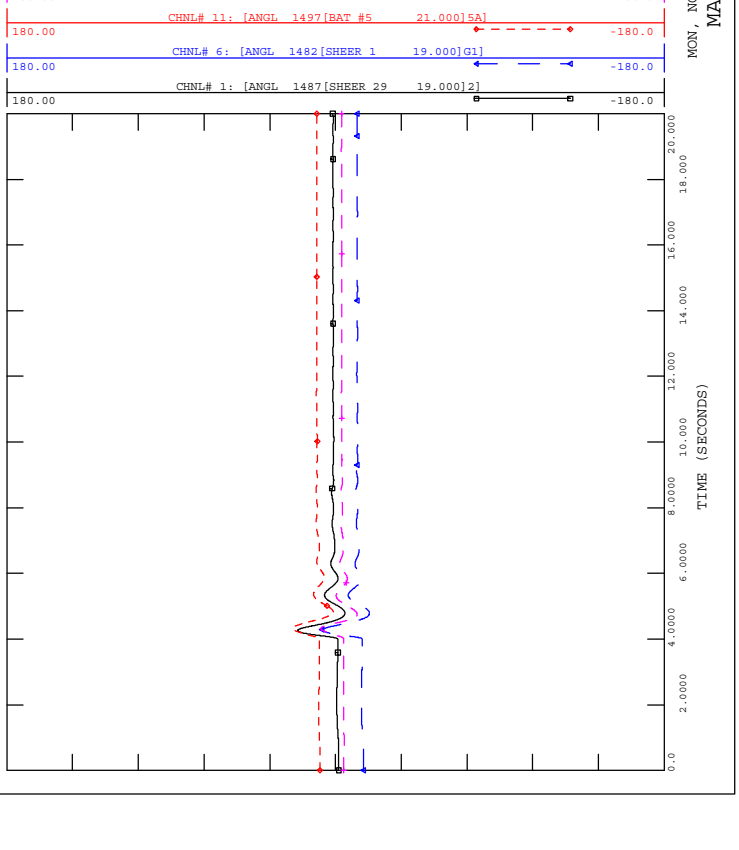
FILE: NEED_2021_WP_CASE05/933L+934L.out



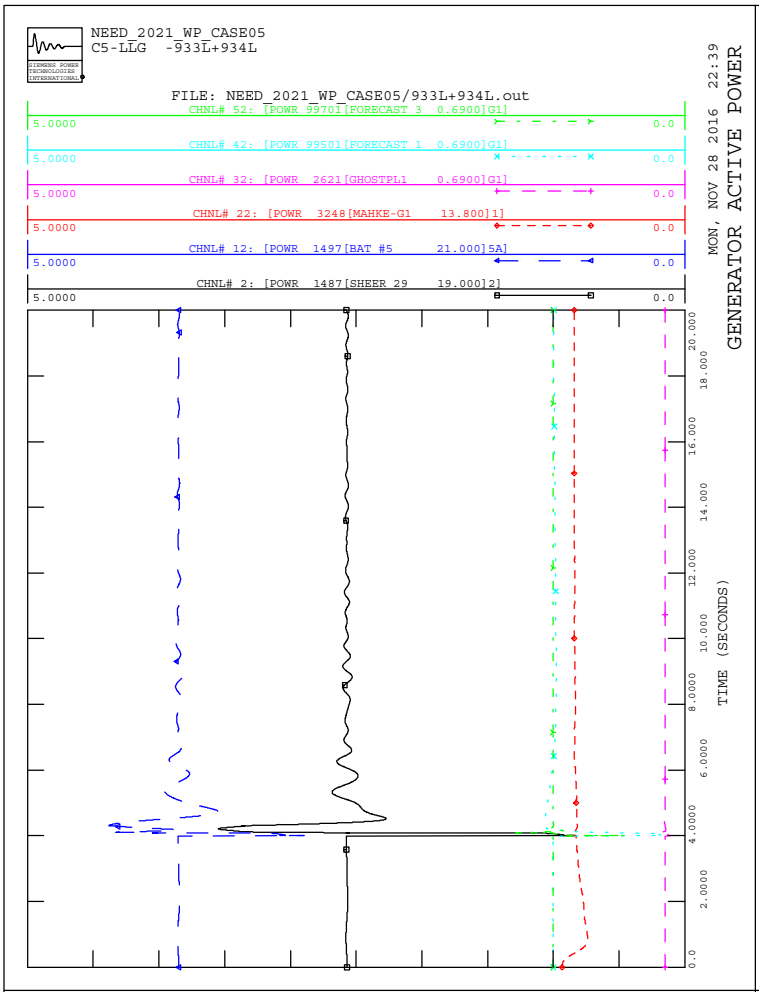
MON, NOV 28 2016 22:39
FREQUENCY

NEED_2021_WP_CASE05
C5-LLG -933L+934L

FILE: NEED_2021_WP_CASE05/933L+934L.out



MON, NOV 28 2016 22:39
MACHINE ANGEL


NEED_2021_WP_CASE05
C5-LLG -933L+934L
FILE: NEED_2021_WP_CASE05/933L+934L.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0000
2.0000
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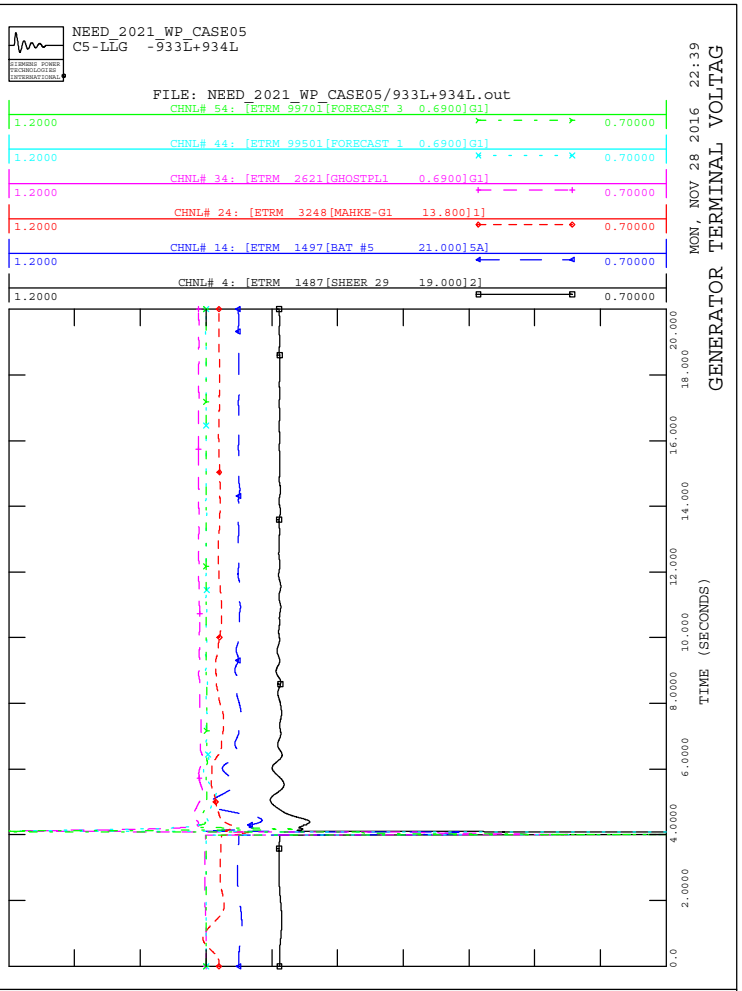
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C5-LLG -933L+934L
FILE: NEED_2021_WP_CASE05/933L+934L.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
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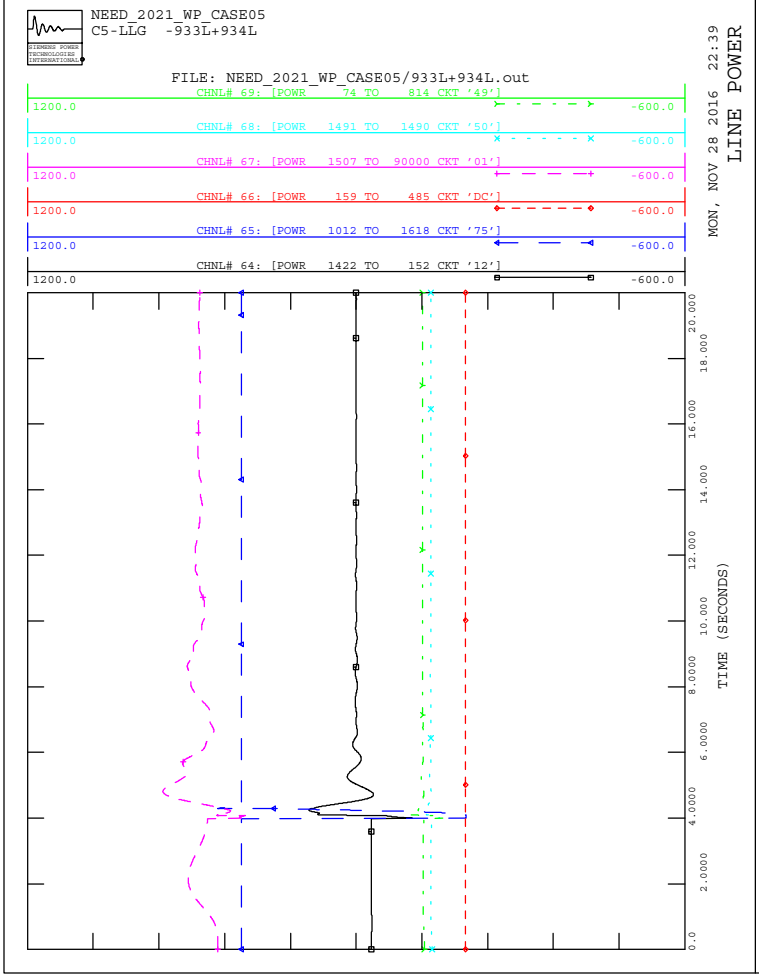
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C5-LLG -933L+934L
FILE: NEED_2021_WP_CASE05/933L+934L.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
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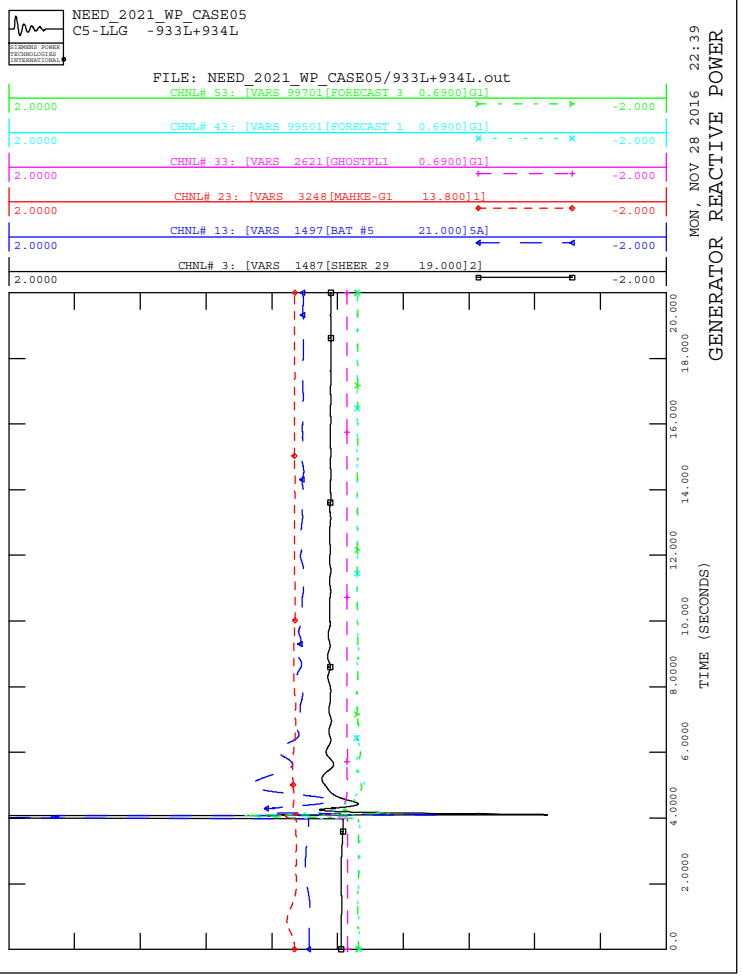
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER


NEED_2021_WP_CASE05
C5-LLG -933L+934L
FILE: NEED_2021_WP_CASE05/933L+934L.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

Transient Stability Analysis Plots

Existing System Prior to PENV Development

2021 Summer Light

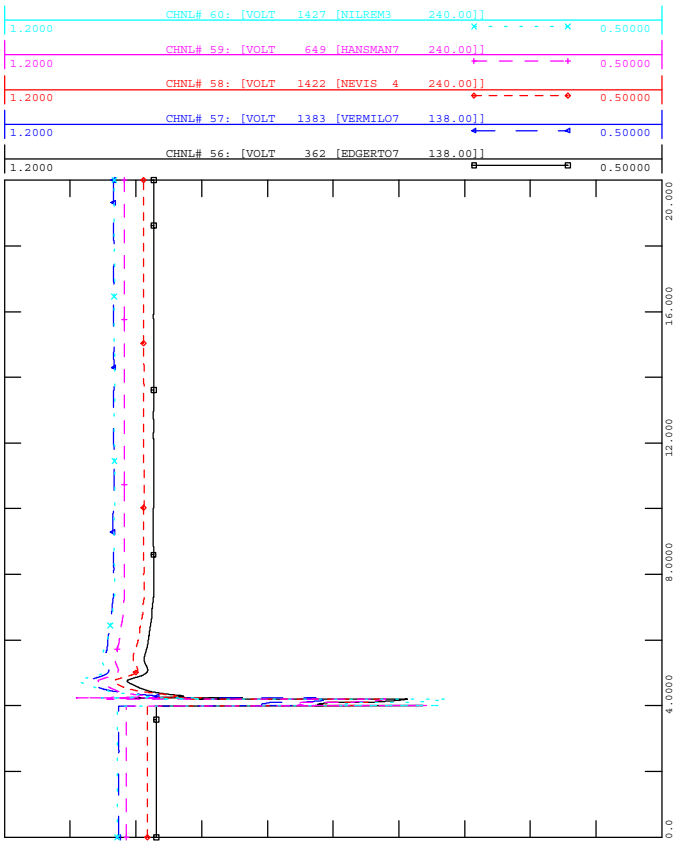
Category C7 (Single-line-to-ground Fault)

NEED_2021_SL_CASE03
C7-SLG -9L16_S904_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L16_S904_755S-Cordel.out

MON, NOV 28 2016 23:49

BUS VOLTAGE

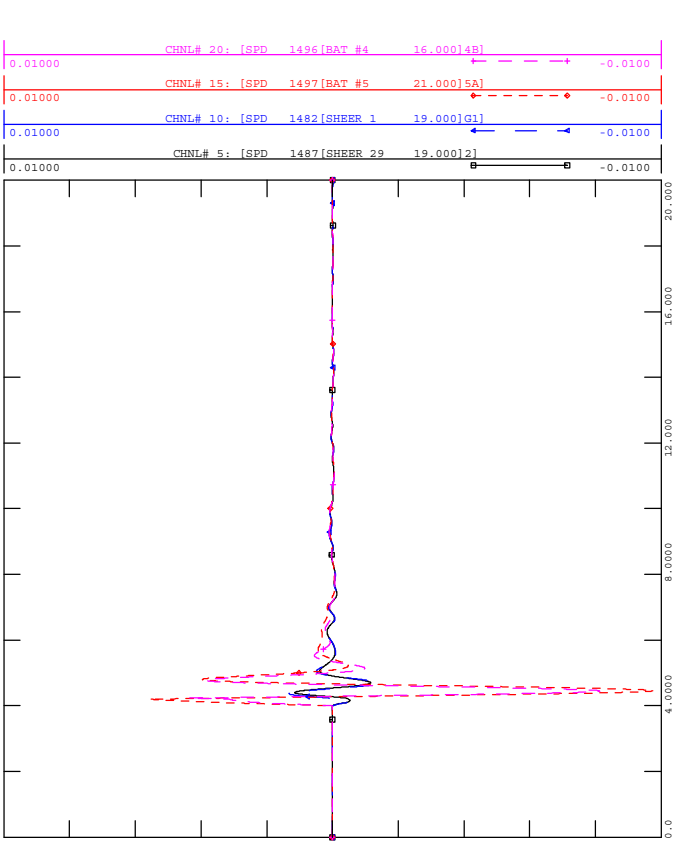


NEED_2021_SL_CASE03
C7-SLG -9L16_S904_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L16_S904_755S-Cordel.out

MON, NOV 28 2016 23:49

MACHINE SPEED

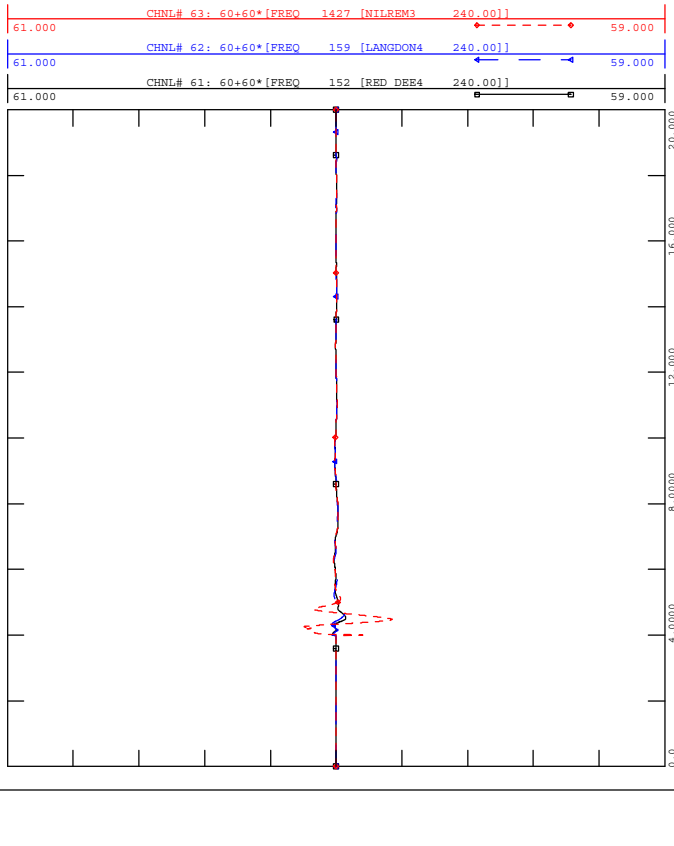


NEED_2021_SL_CASE03
C7-SLG -9L16_S904_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L16_S904_755S-Cordel.out

MON, NOV 28 2016 23:49

FREQUENCY

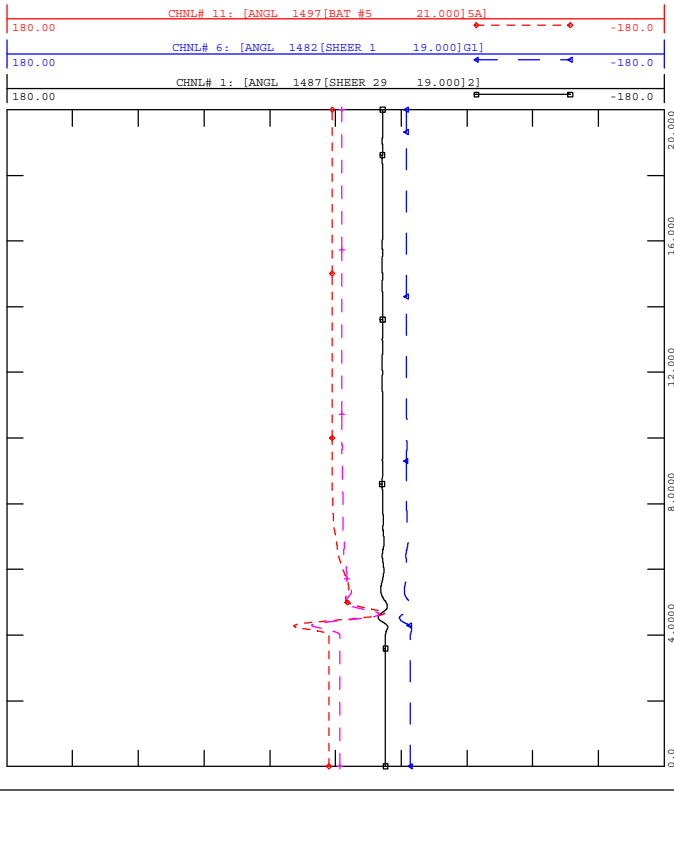


NEED_2021_SL_CASE03
C7-SLG -9L16_S904_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L16_S904_755S-Cordel.out

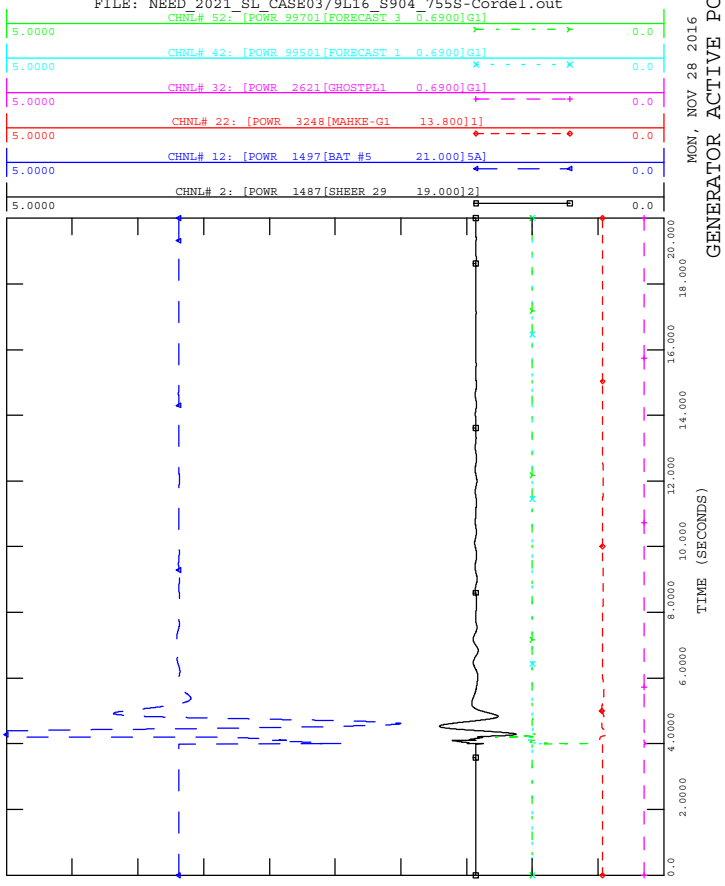
MON, NOV 28 2016 23:49

MACHINE ANGEL



NEED_2021_SL_CASE03
C7-SLG -9L16_S904_755S-CORDEL

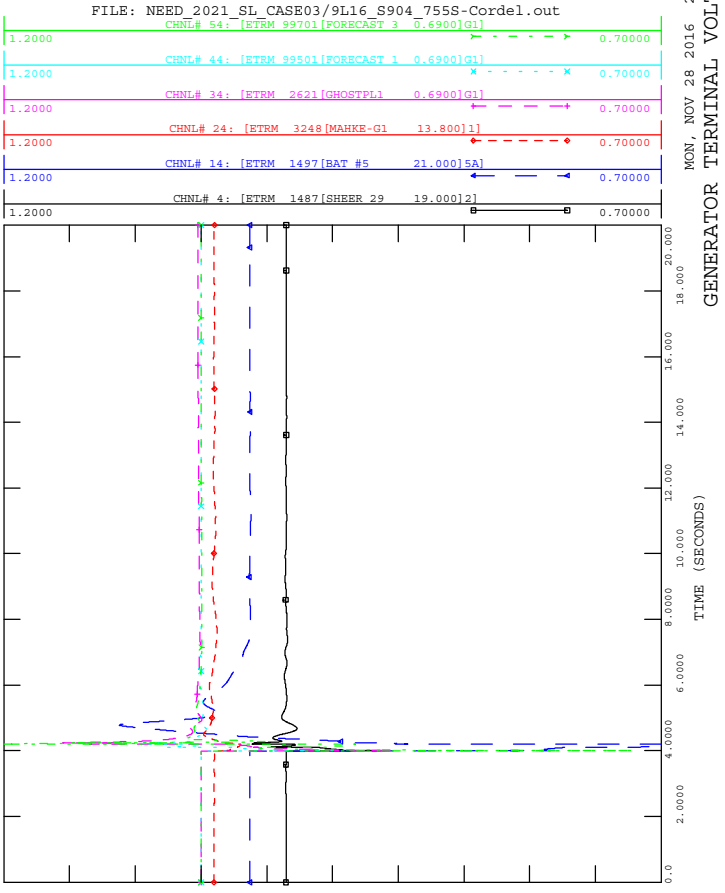
FILE: NEED_2021_SL_CASE03/9L16_S904_755S-Cordel.out



MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L16_S904_755S-CORDEL

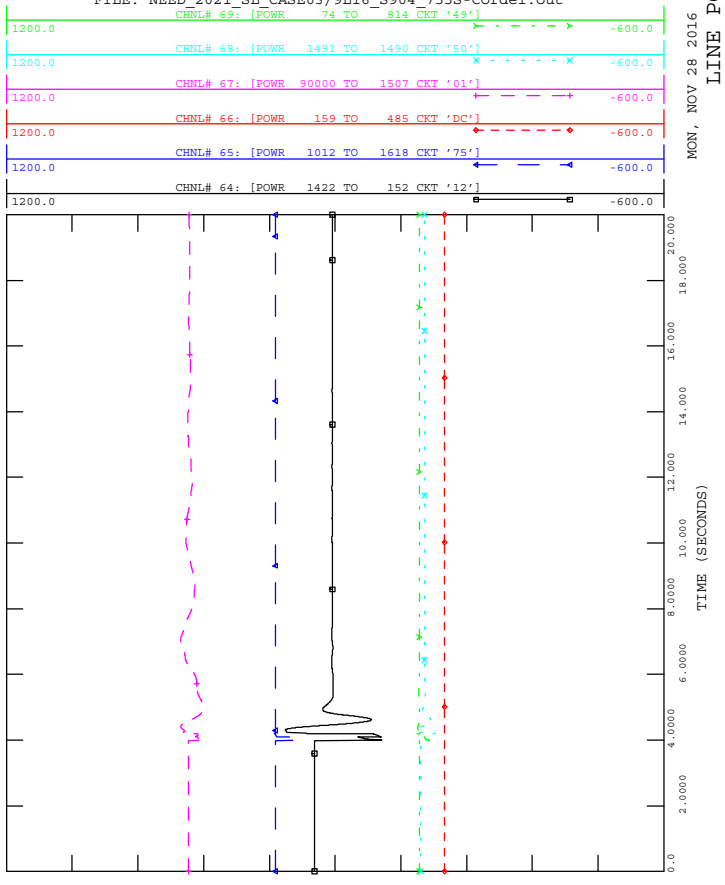
FILE: NEED_2021_SL_CASE03/9L16_S904_755S-Cordel.out



MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
C7-SLG -9L16_S904_755S-CORDEL

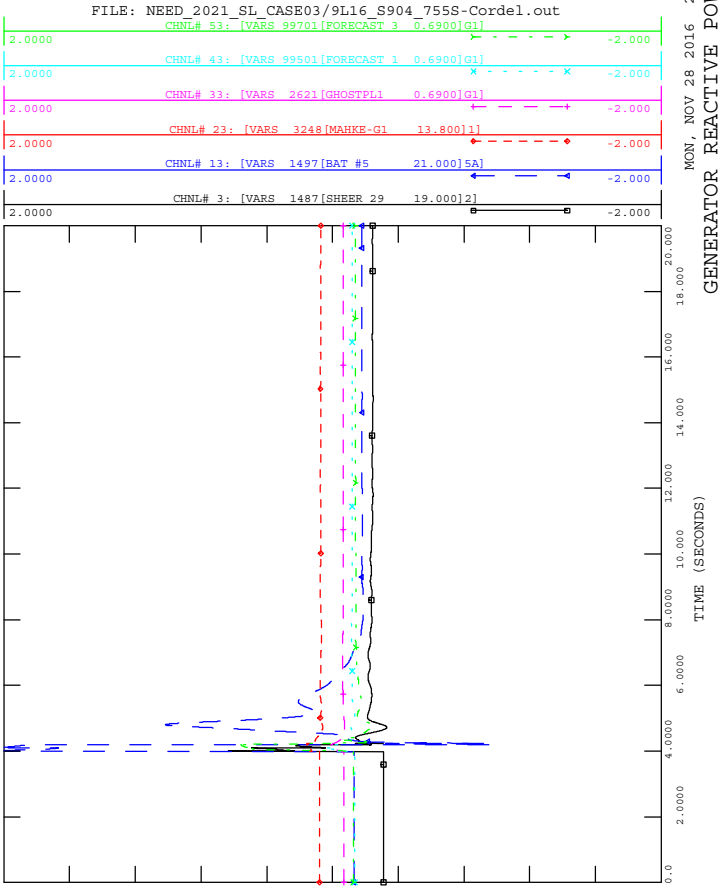
FILE: NEED_2021_SL_CASE03/9L16_S904_755S-Cordel.out



MON, NOV 28 2016 23:49
LINE POWER

NEED_2021_SL_CASE03
C7-SLG -9L16_S904_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L16_S904_755S-Cordel.out



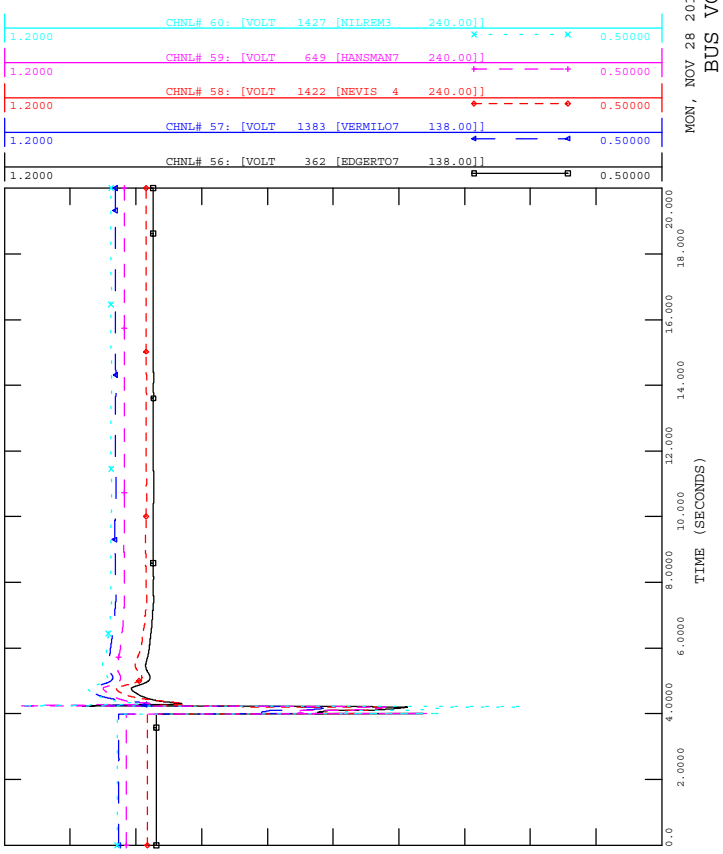
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L16_S905_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L16_S905_755S-Cordel.out

MON, NOV 28 2016 23:49

BUS VOLTAGE

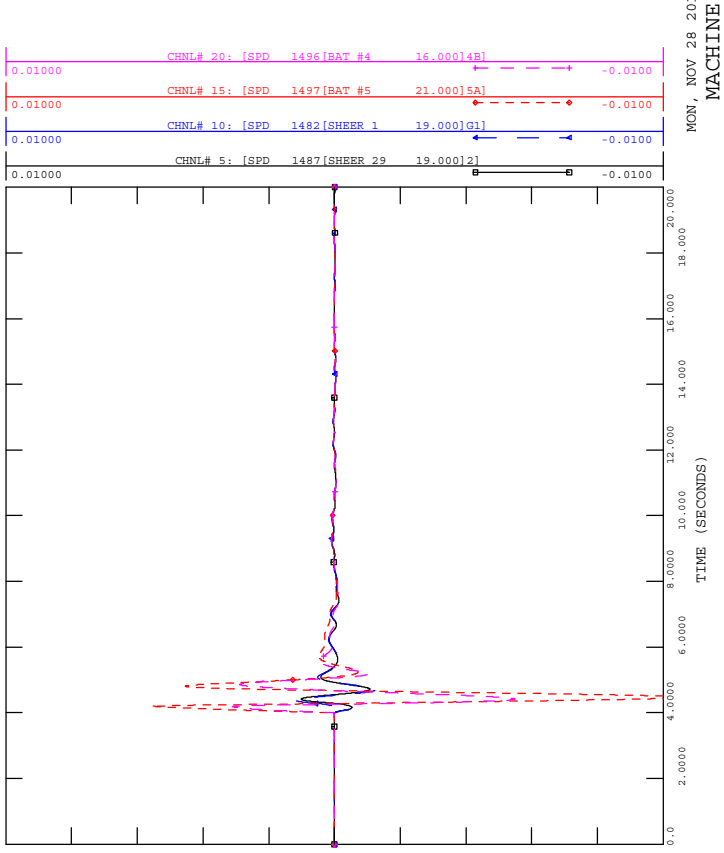


NEED_2021_SL_CASE03
C7-SLG -9L16_S905_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L16_S905_755S-Cordel.out

MON, NOV 28 2016 23:49

MACHINE SPEED

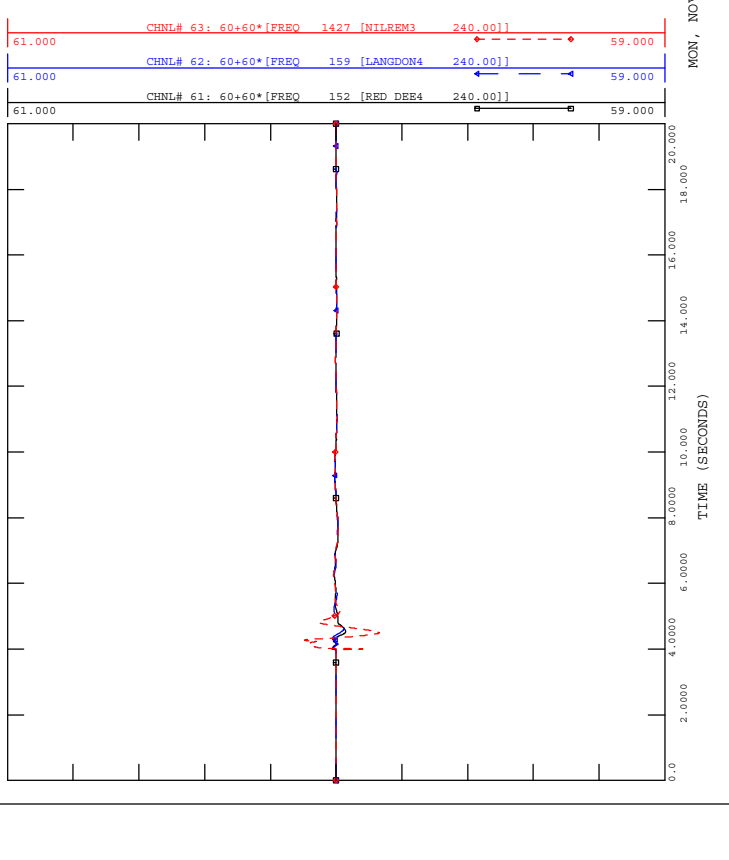


NEED_2021_SL_CASE03
C7-SLG -9L16_S905_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L16_S905_755S-Cordel.out

MON, NOV 28 2016 23:49

FREQUENCY



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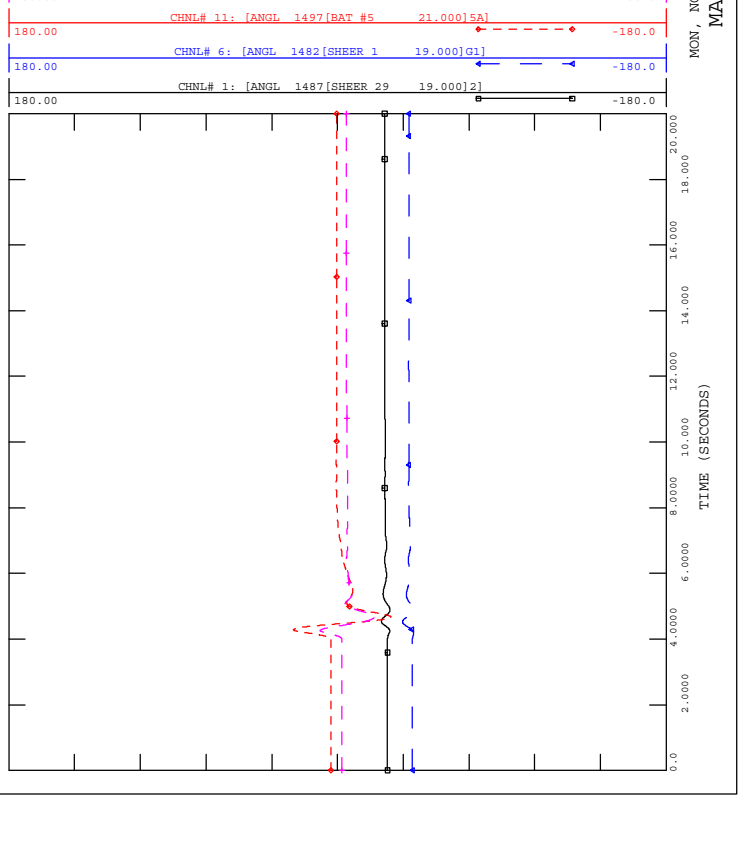
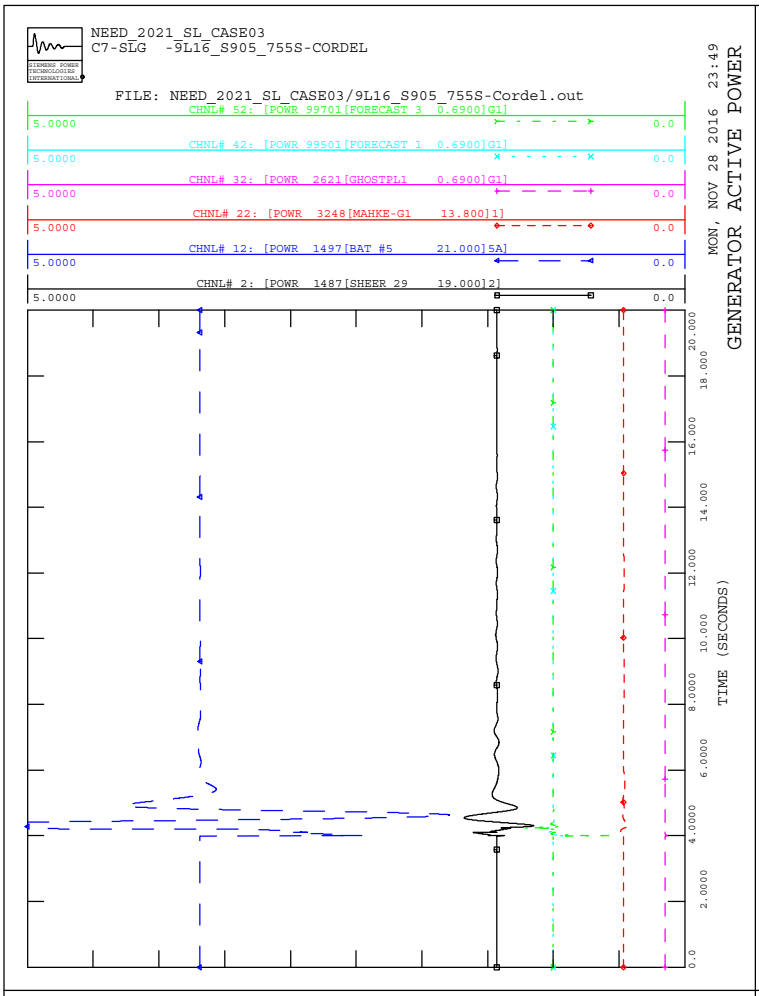
C7-SLG -9L16_S905_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L16_S905_755S-Cordel.out

MON, NOV 28 2016 23:49

MACHINE ANGEL

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C7-SLG -9L16_S905_755S-CORDEL
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CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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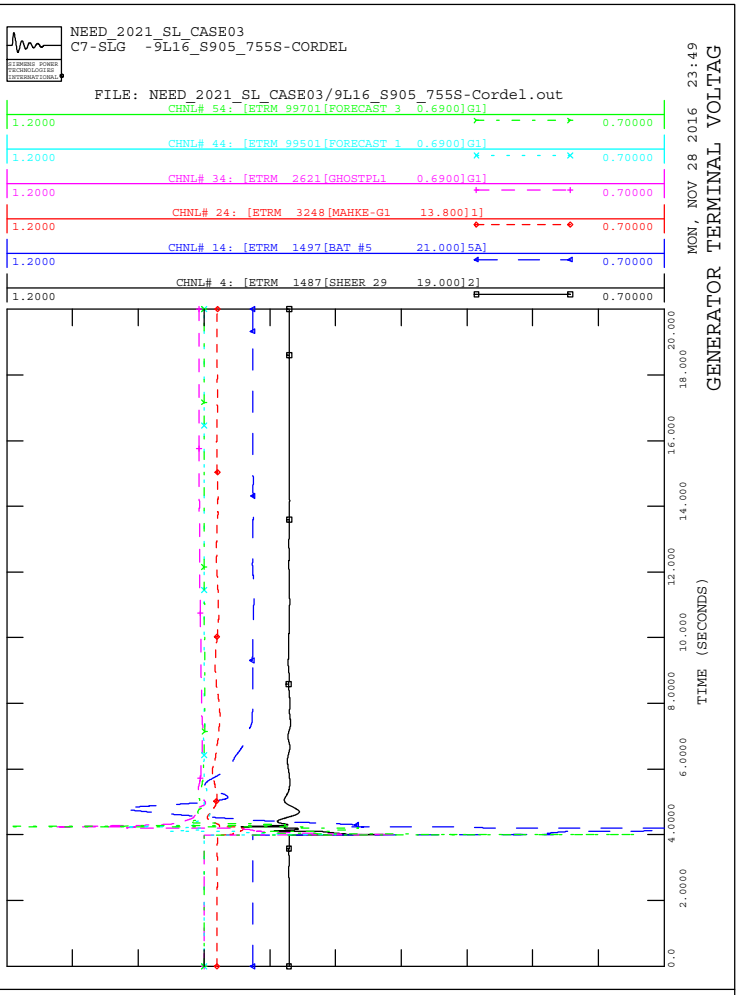
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER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C7-SLG -9L16_S905_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L16_S905_755S-Cordel.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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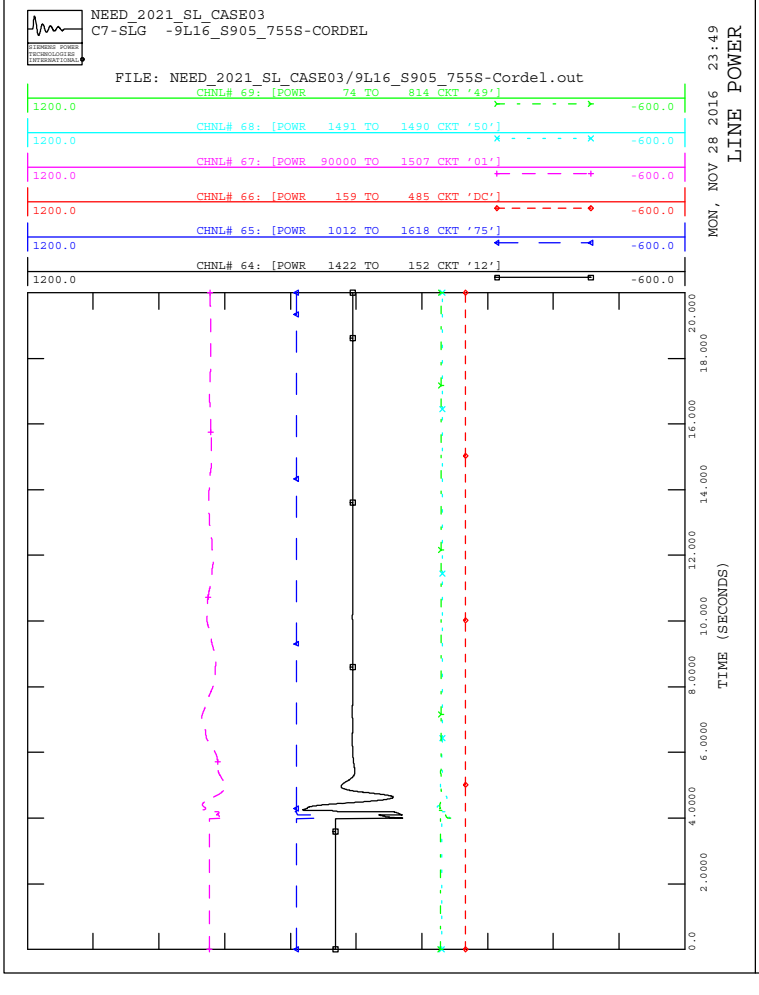
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG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C7-SLG -9L16_S905_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L16_S905_755S-Cordel.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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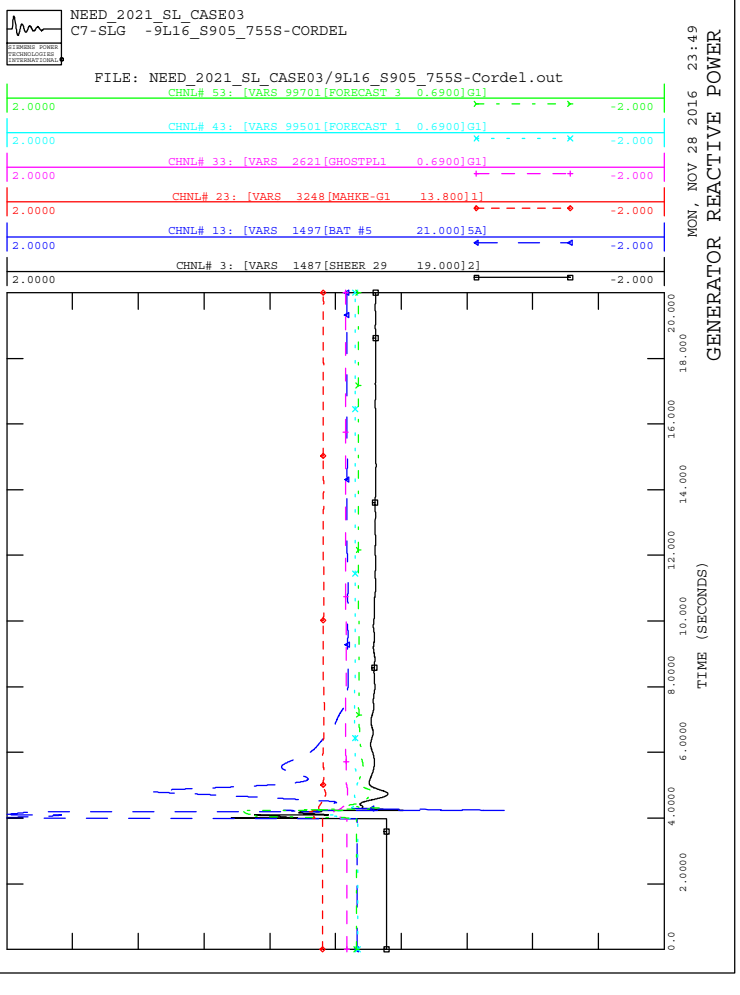
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:49
LINE POWER


NEED_2021_SL_CASE03
C7-SLG -9L16_S905_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L16_S905_755S-Cordel.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
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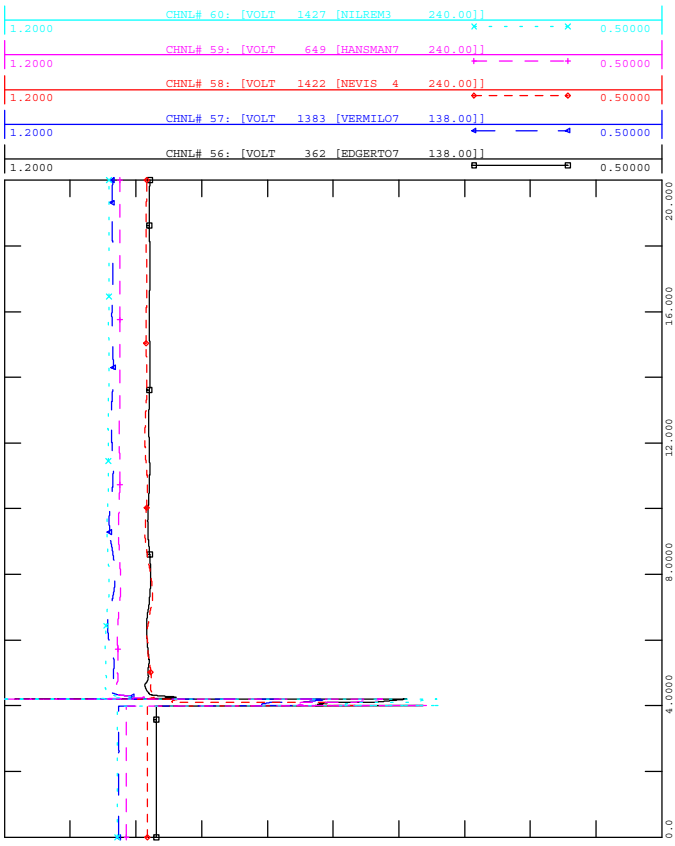
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L20_S901_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L20_S901_755S-Cordel.out

MON, NOV 28 2016 23:49

BUS VOLTAGE

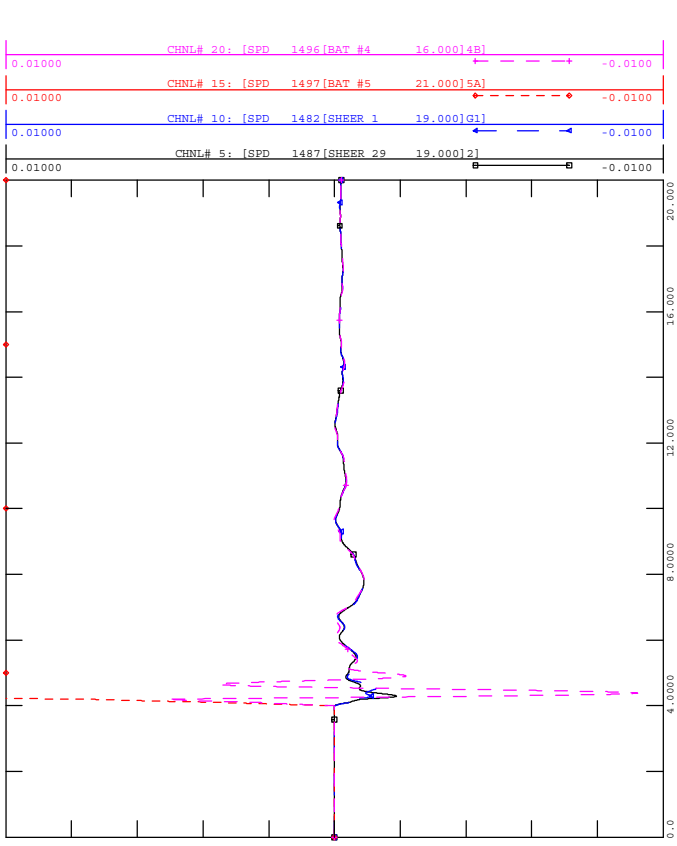


NEED_2021_SL_CASE03
C7-SLG -9L20_S901_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L20_S901_755S-Cordel.out

MON, NOV 28 2016 23:49

MACHINE SPEED

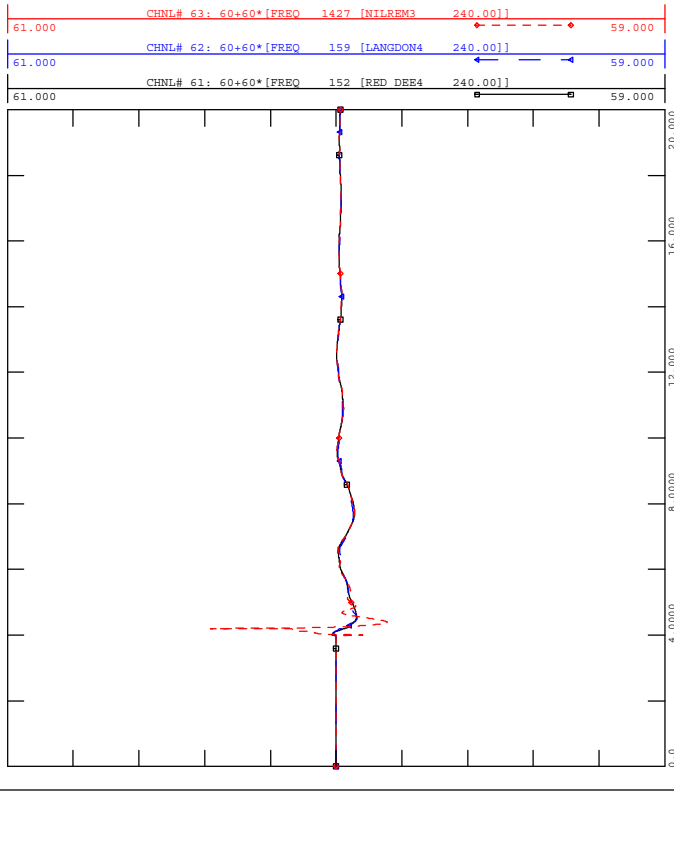


NEED_2021_SL_CASE03
C7-SLG -9L20_S901_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L20_S901_755S-Cordel.out

MON, NOV 28 2016 23:49

FREQUENCY

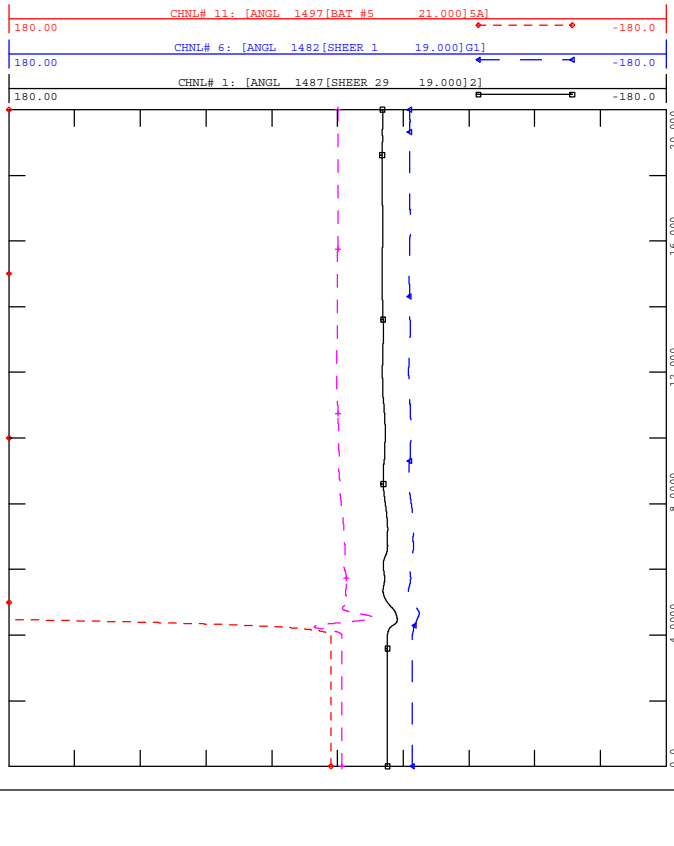


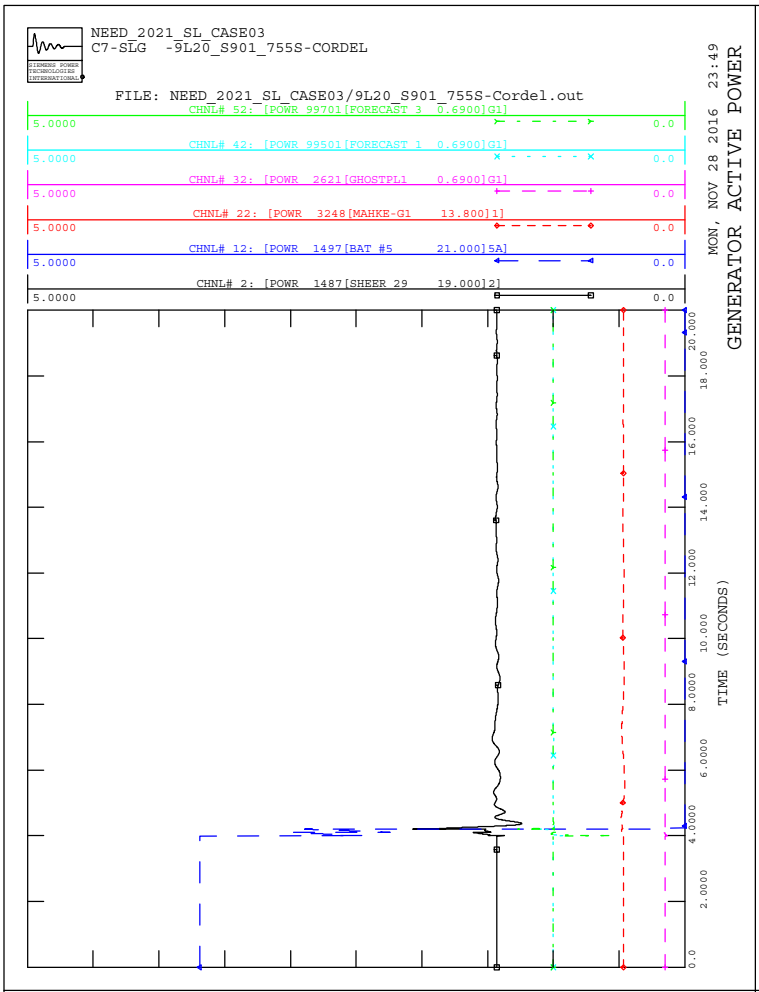
NEED_2021_SL_CASE03
C7-SLG -9L20_S901_755S-CORDEL

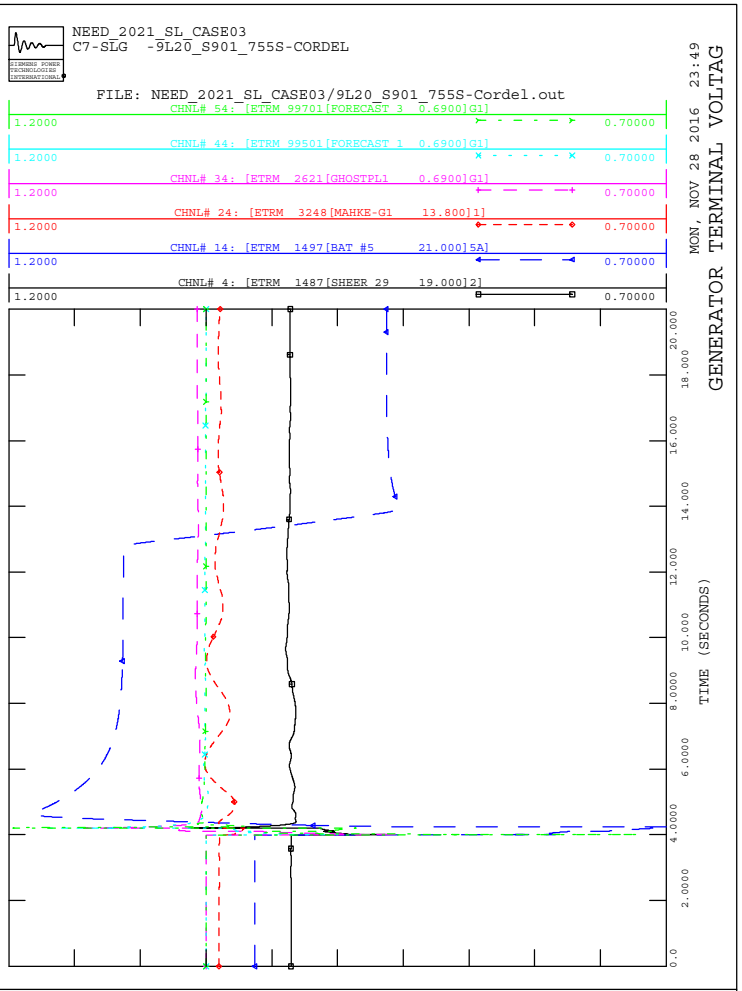
FILE: NEED_2021_SL_CASE03/9L20_S901_755S-Cordel.out

MON, NOV 28 2016 23:49

MACHINE ANGEL




NEED_2021_SL_CASE03
C7-SLG -9L20_S901_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L20_S901_755S-Cordel.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER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C7-SLG -9L20_S901_755S-CORDEL
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CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0000
2.0000
4.0000
6.0000
8.0000
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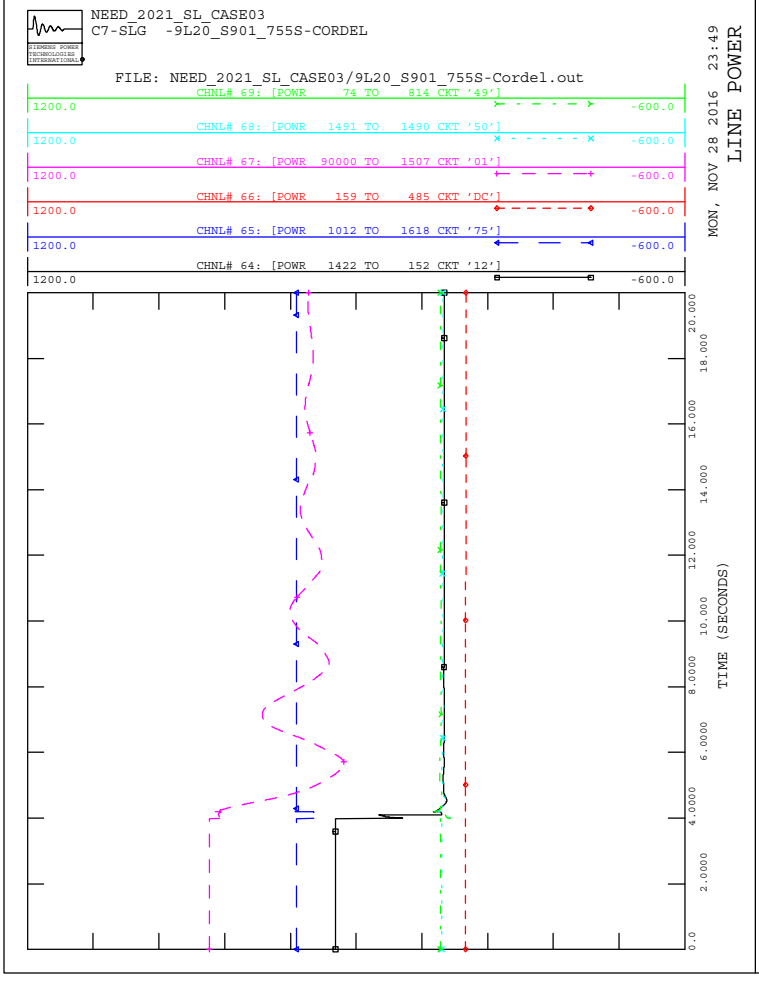
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -9L20_S901_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L20_S901_755S-Cordel.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
0.0000
2.0000
4.0000
6.0000
8.0000
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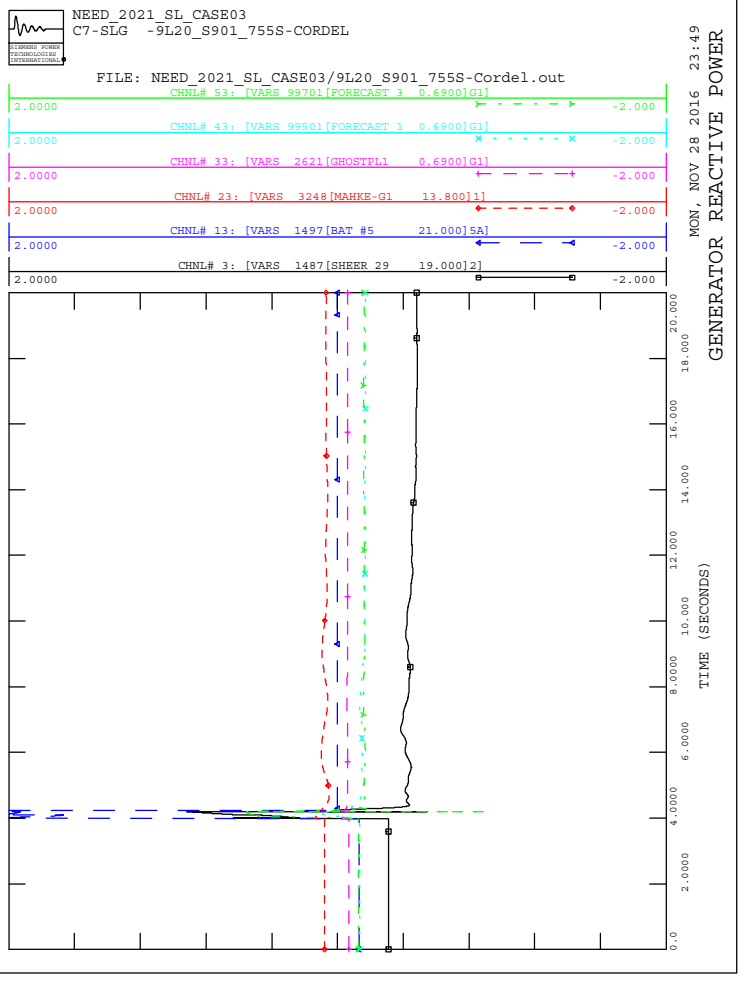
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
LINE POWER


NEED_2021_SL_CASE03
C7-SLG -9L20_S901_755S-CORDEL
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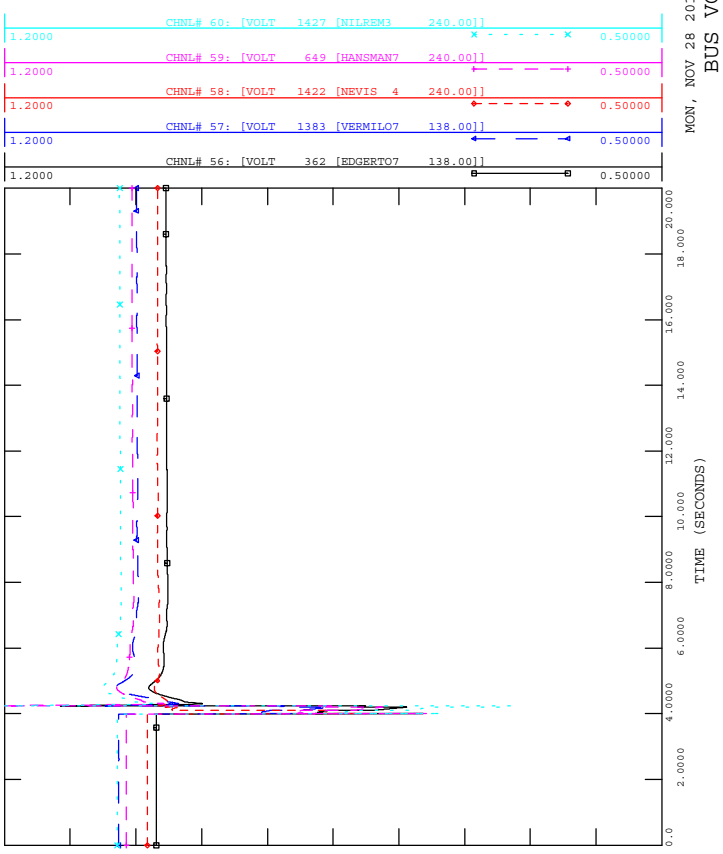
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L20_S906_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L20_S906_755S-Cordel.out

MON, NOV 28 2016 23:49

BUS VOLTAGE

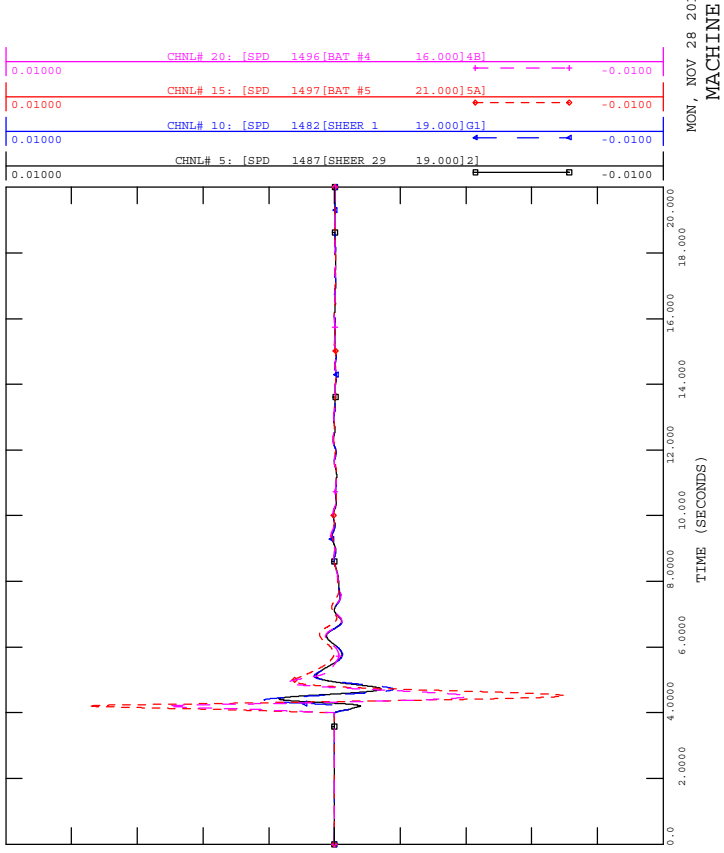


NEED_2021_SL_CASE03
C7-SLG -9L20_S906_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L20_S906_755S-Cordel.out

MON, NOV 28 2016 23:49

MACHINE SPEED



NEED_2021_SL_CASE03
C7-SLG -9L20_S906_755S-CORDEL

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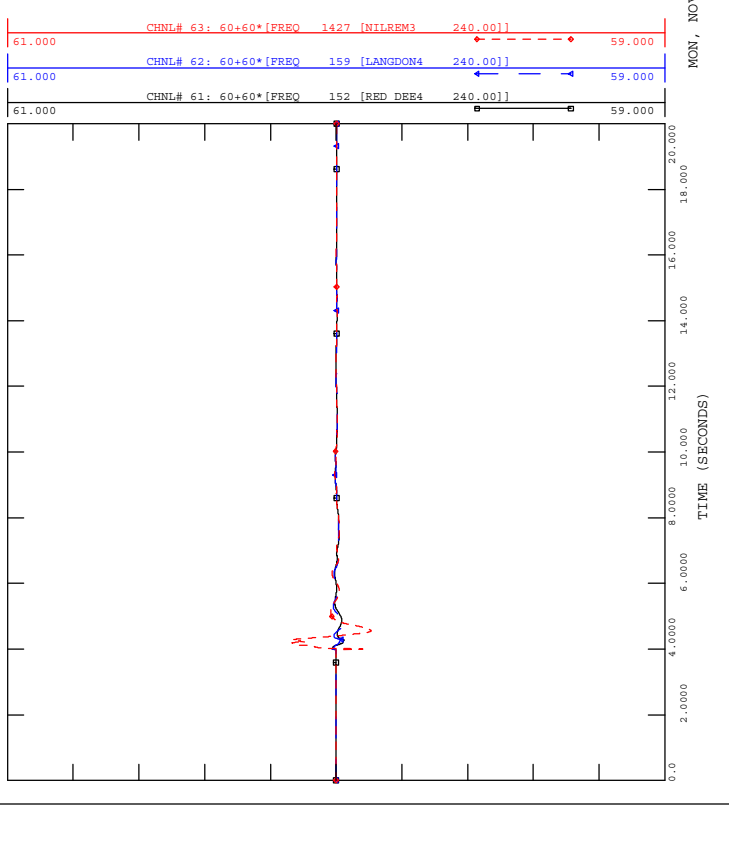
MON, NOV 28 2016 23:49

FREQUENCY



NEED_2021_SL_CASE03
C7-SLG -9L20_S906_755S-CORDEL

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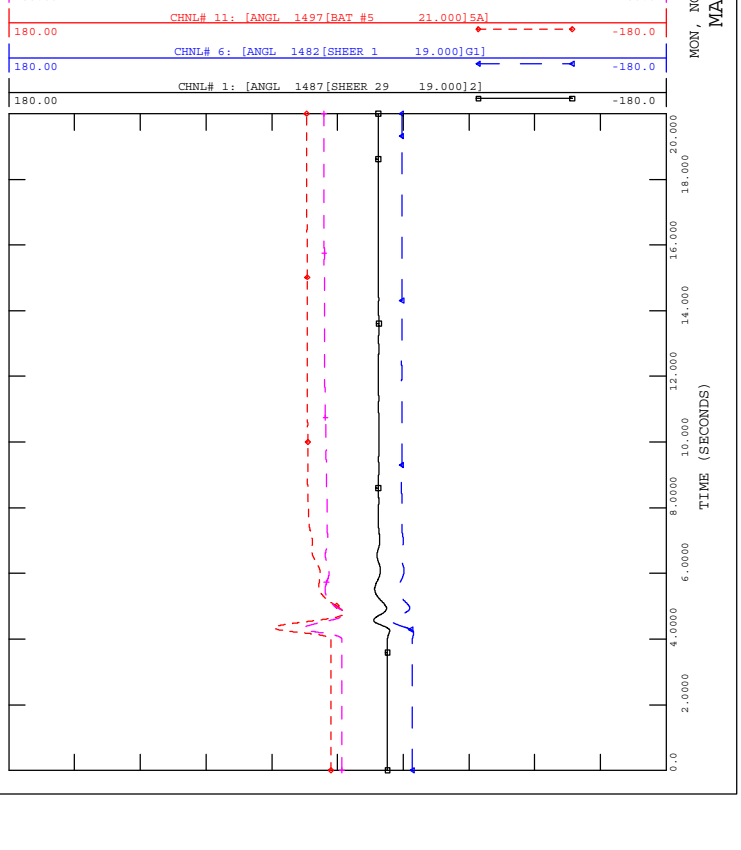
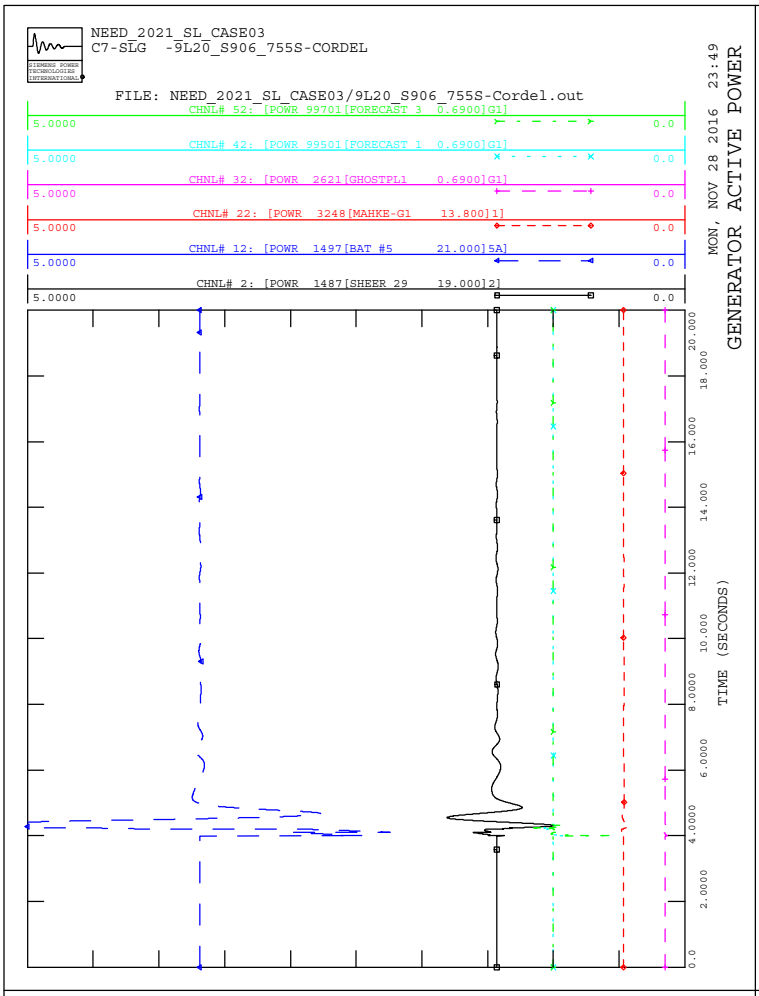
MON, NOV 28 2016 23:49

MACHINE ANGEL

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C7-SLG -9L20_S906_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L20_S906_755S-Cordel.out
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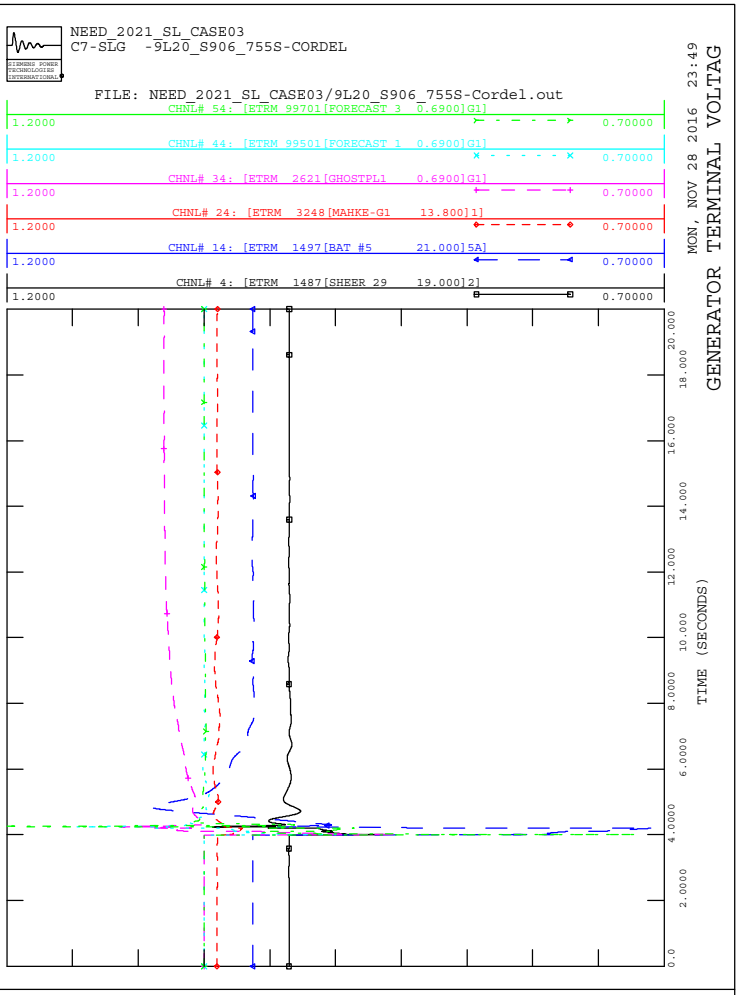
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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C7-SLG -9L20_S906_755S-CORDEL
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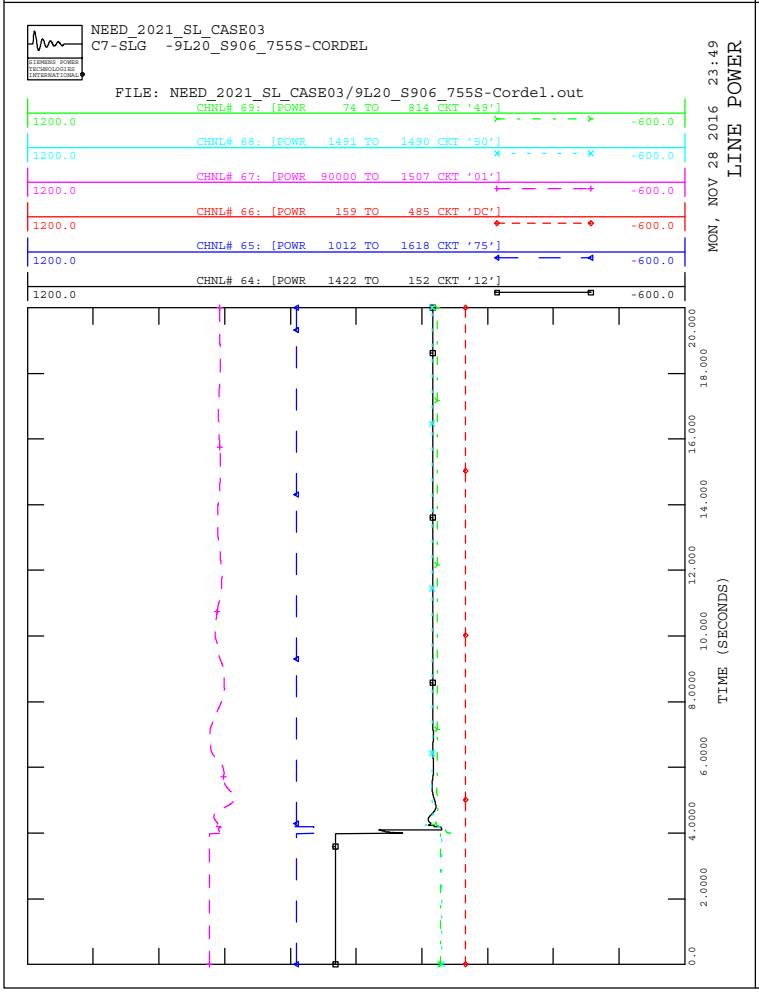
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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C7-SLG -9L20_S906_755S-CORDEL
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CHNL# 69: [POWR 74 TO 814 CKT '49']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:49
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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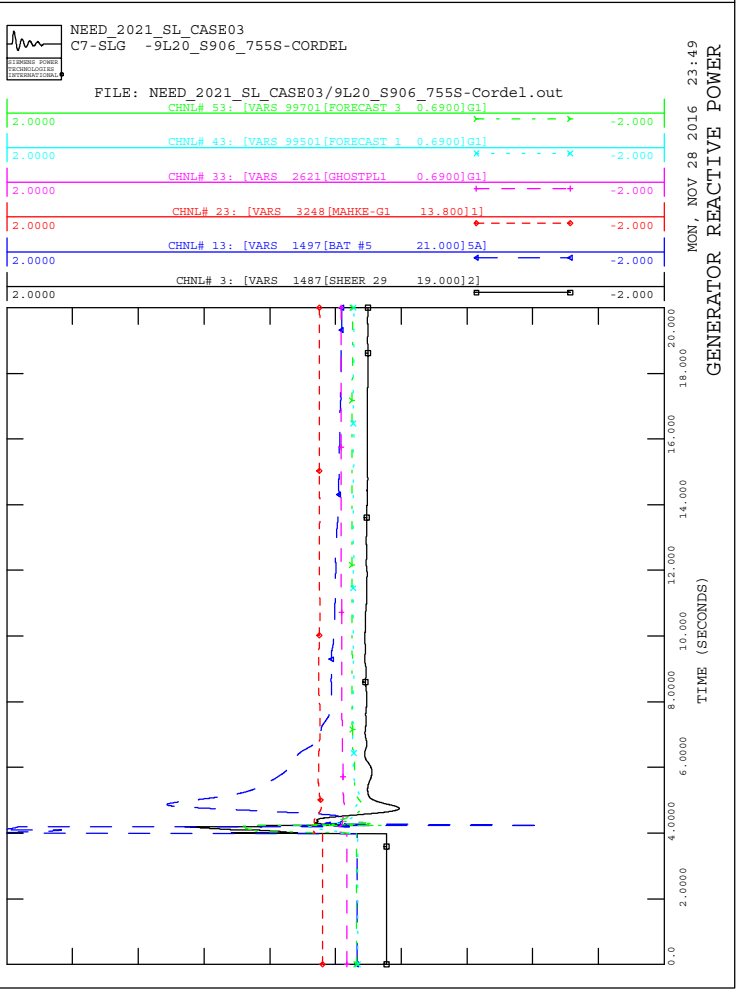
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -9L20_S906_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L20_S906_755S-Cordel.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
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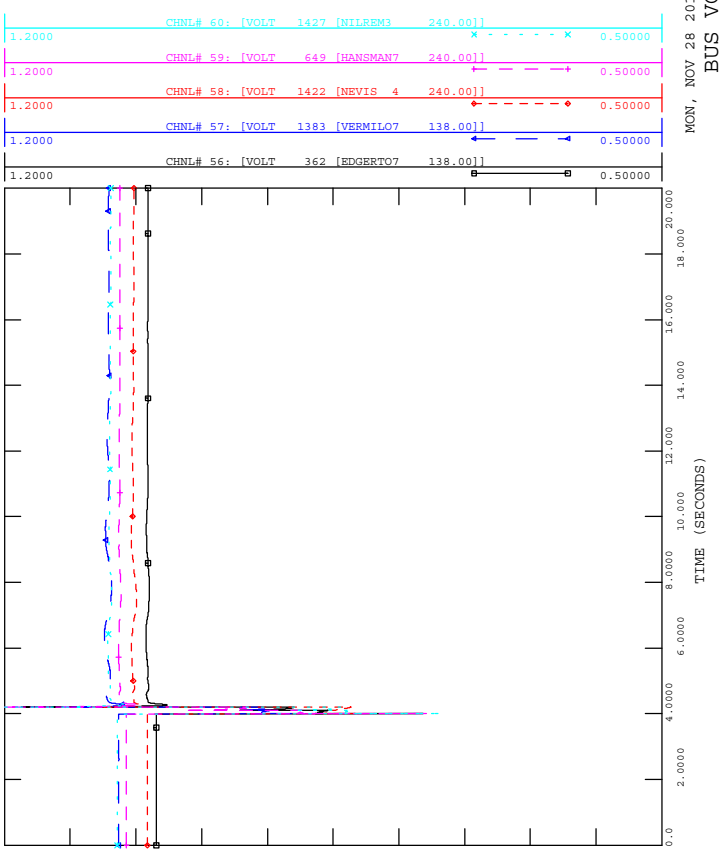
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_SL_CASE03
C7-SLG -9L27_S902_755S-CORDEL

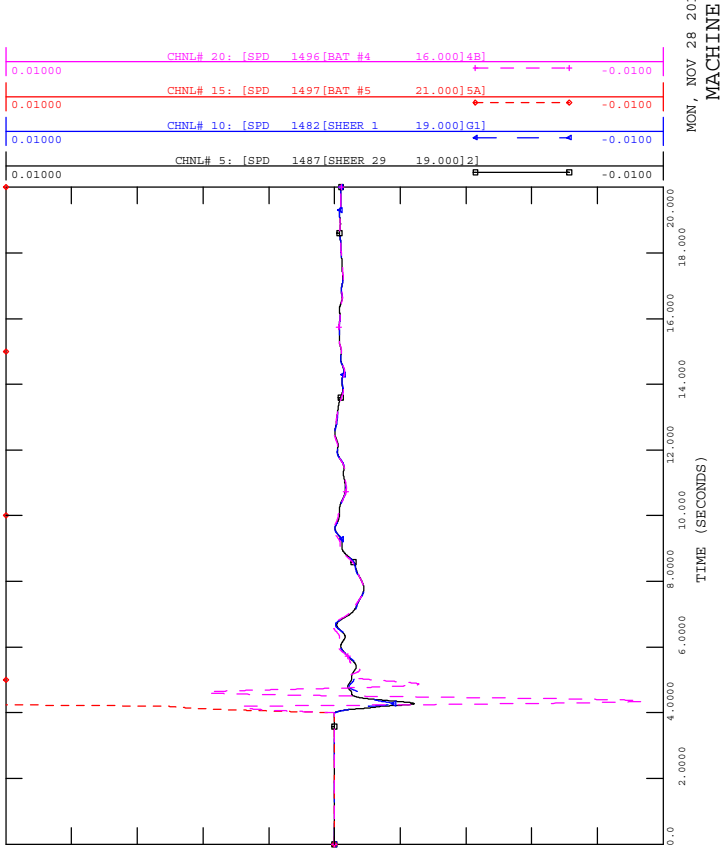
FILE: NEED_2021_SL_CASE03/9L27_S902_755S-Cordel.out



MON, NOV 28 2016 23:49
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L27_S902_755S-CORDEL

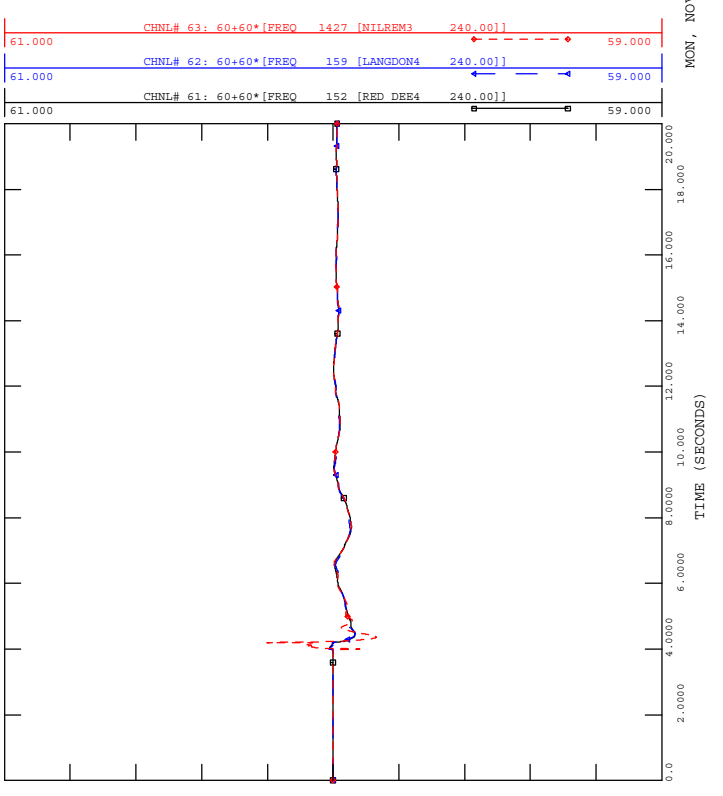
FILE: NEED_2021_SL_CASE03/9L27_S902_755S-Cordel.out



MON, NOV 28 2016 23:49
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L27_S902_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L27_S902_755S-Cordel.out



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NEED_2021_SL_CASE03
C7-SLG -9L27_S902_755S-CORDEL

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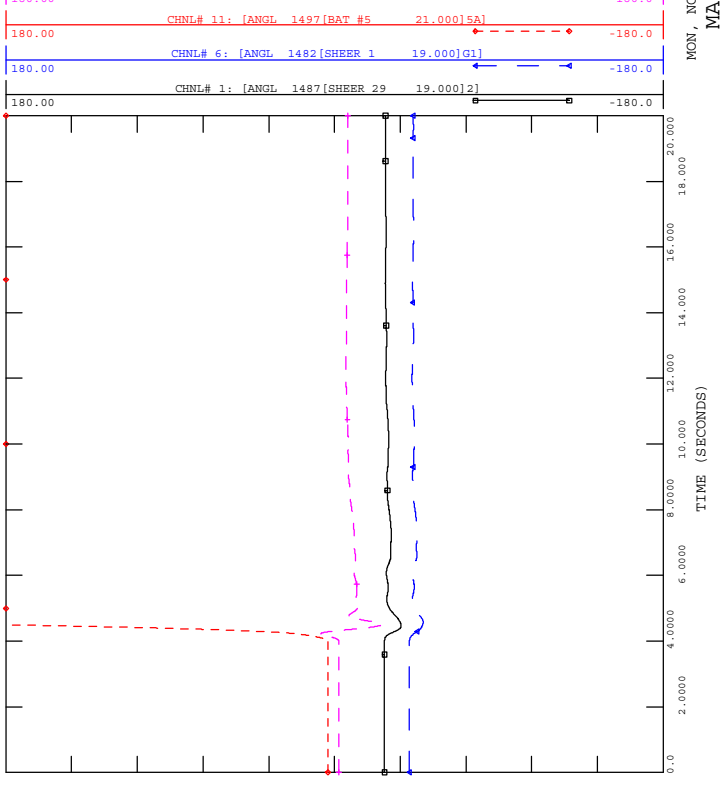

MON, NOV 28 2016 23:49
MACHINE ANGEL

NEED_2021_SL_CASE03
C7-SLG -9L27_S902_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L27_S902_755S-Cordel.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

MON, NOV 28 2016 23:49

GENERATOR ACTIVE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
C7-SLG -9L27_S902_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L27_S902_755S-Cordel.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

MON, NOV 28 2016 23:49

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
C7-SLG -9L27_S902_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L27_S902_755S-Cordel.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

MON, NOV 28 2016 23:49

LINE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
C7-SLG -9L27_S902_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L27_S902_755S-Cordel.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

MON, NOV 28 2016 23:49

GENERATOR REACTIVE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
C7-SLG -9L27_S903_755S-CORDEL

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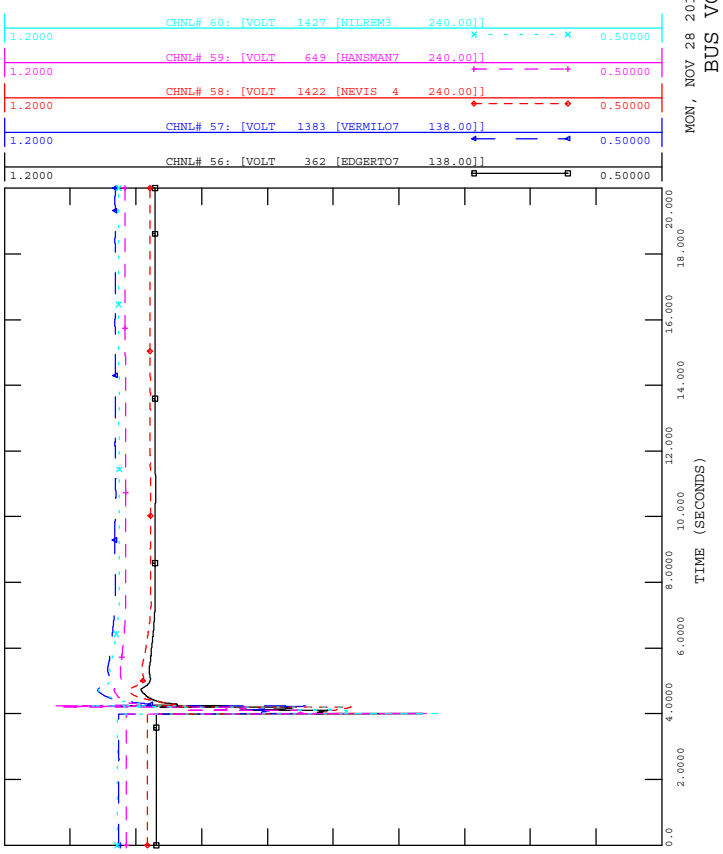
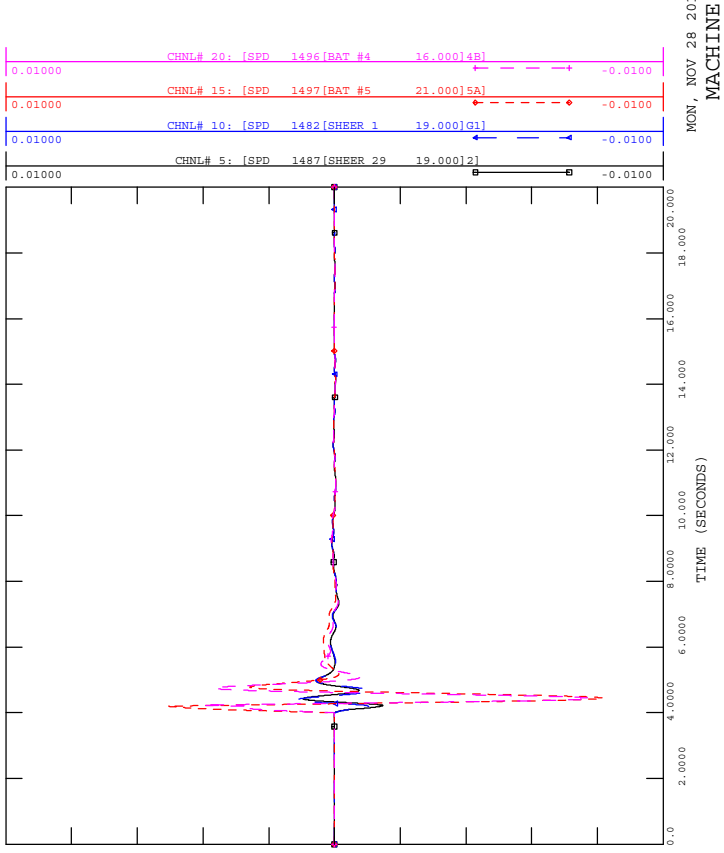


MON, NOV 28 2016 23:49
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L27_S903_755S-CORDEL

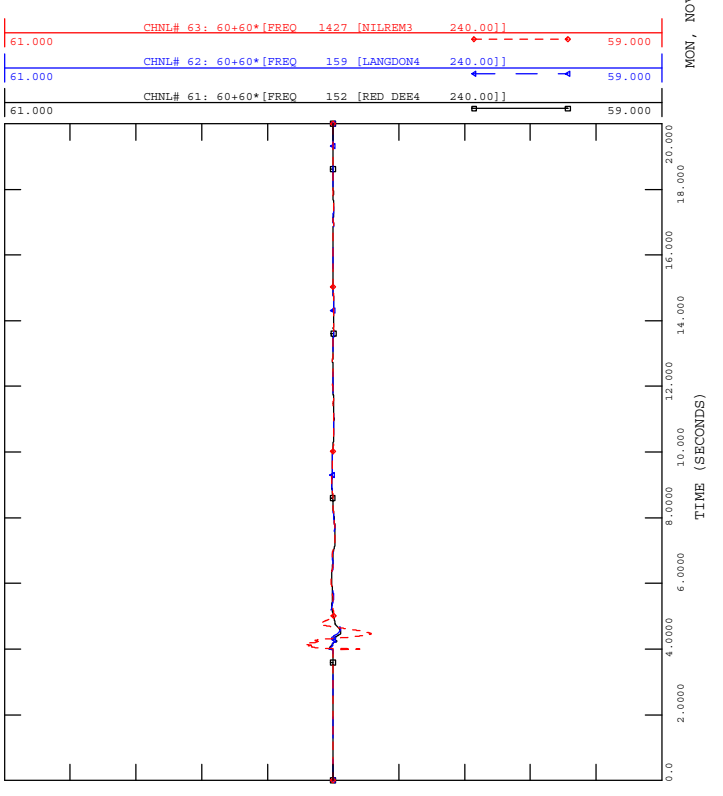
FILE: NEED_2021_SL_CASE03/9L27_S903_755S-Cordel.out



MON, NOV 28 2016 23:49
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L27_S903_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L27_S903_755S-Cordel.out



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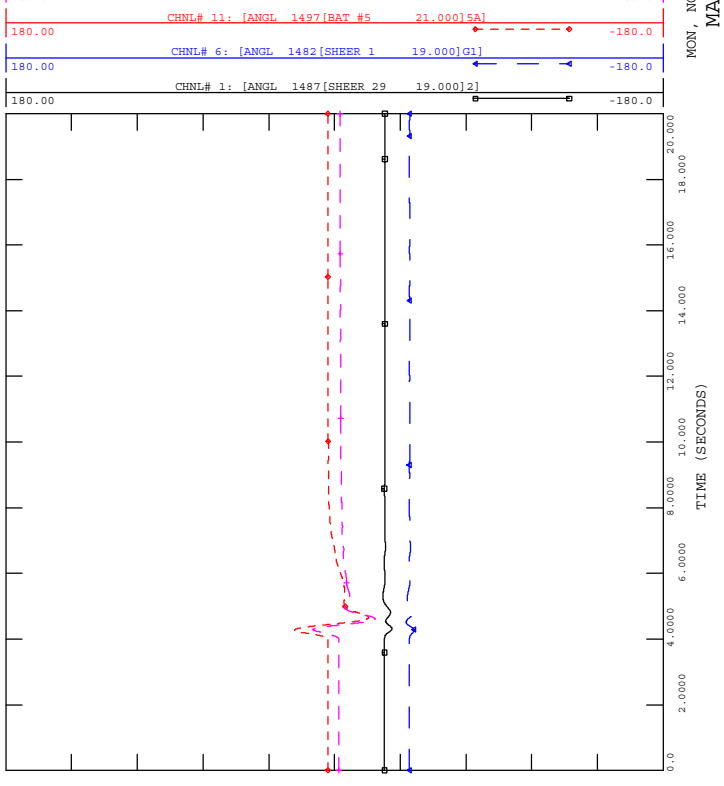
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -9L27_S903_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L27_S903_755S-Cordel.out



MON, NOV 28 2016 23:49
MACHINE ANGEL

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C7-SLG -9L27_S903_755S-CORDEL

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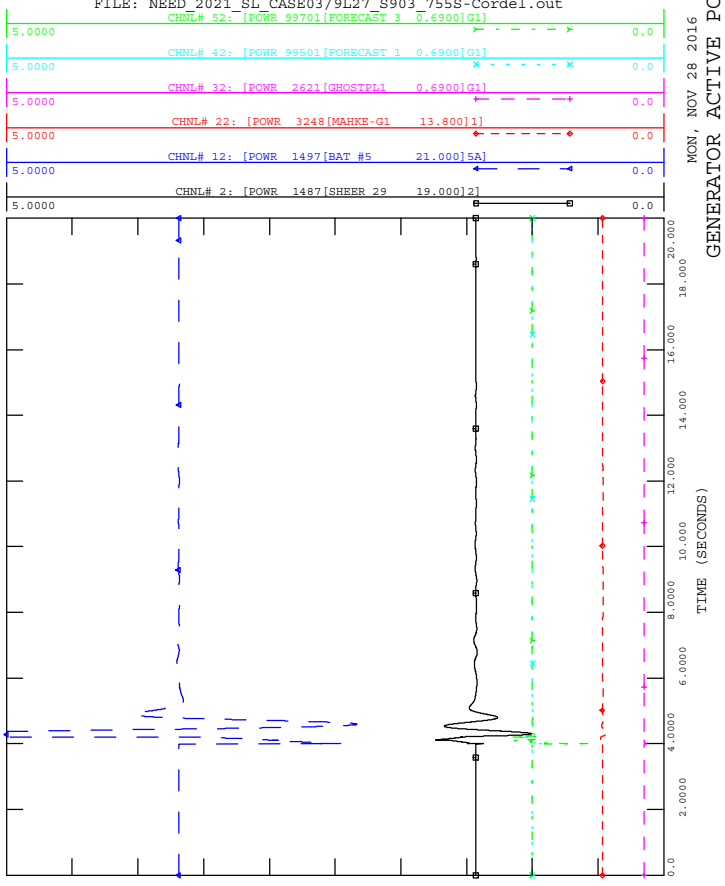
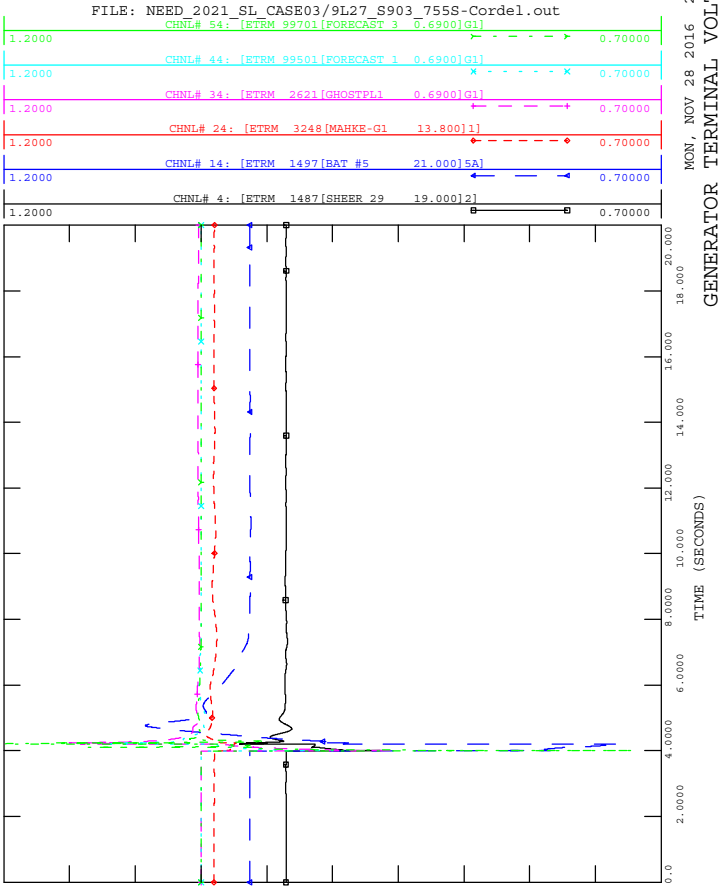


MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L27_S903_755S-CORDEL

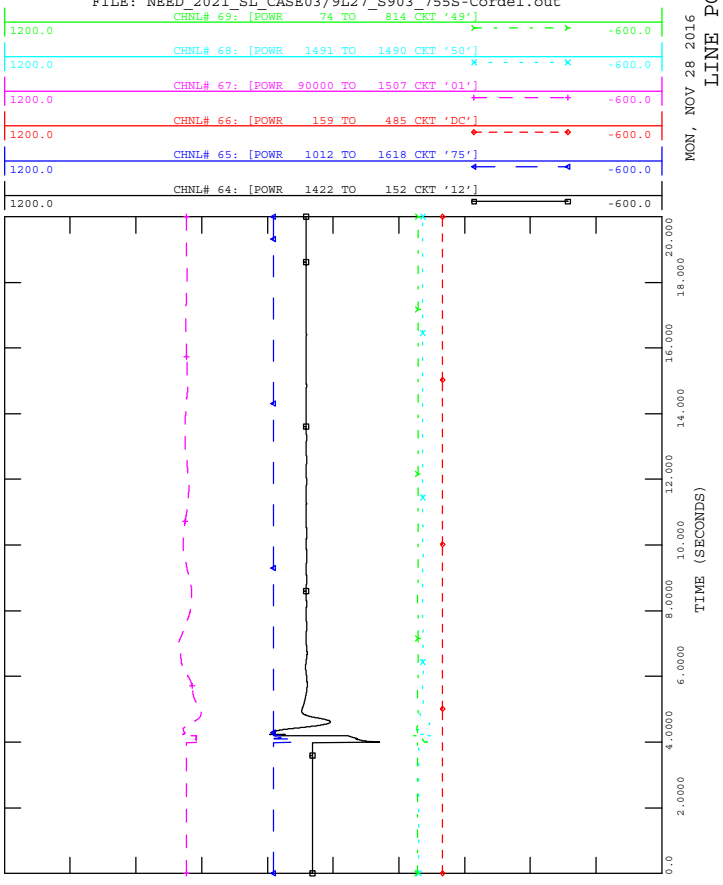
FILE: NEED_2021_SL_CASE03/9L27_S903_755S-Cordel.out



MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
C7-SLG -9L27_S903_755S-CORDEL

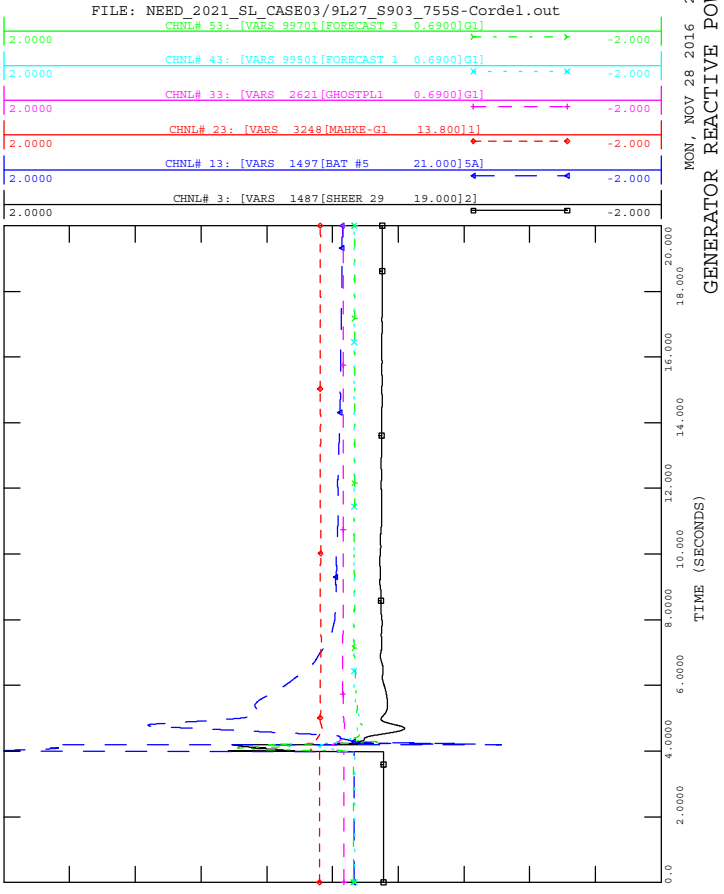
FILE: NEED_2021_SL_CASE03/9L27_S903_755S-Cordel.out



MON, NOV 28 2016 23:49
LINE POWER

NEED_2021_SL_CASE03
C7-SLG -9L27_S903_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L27_S903_755S-Cordel.out



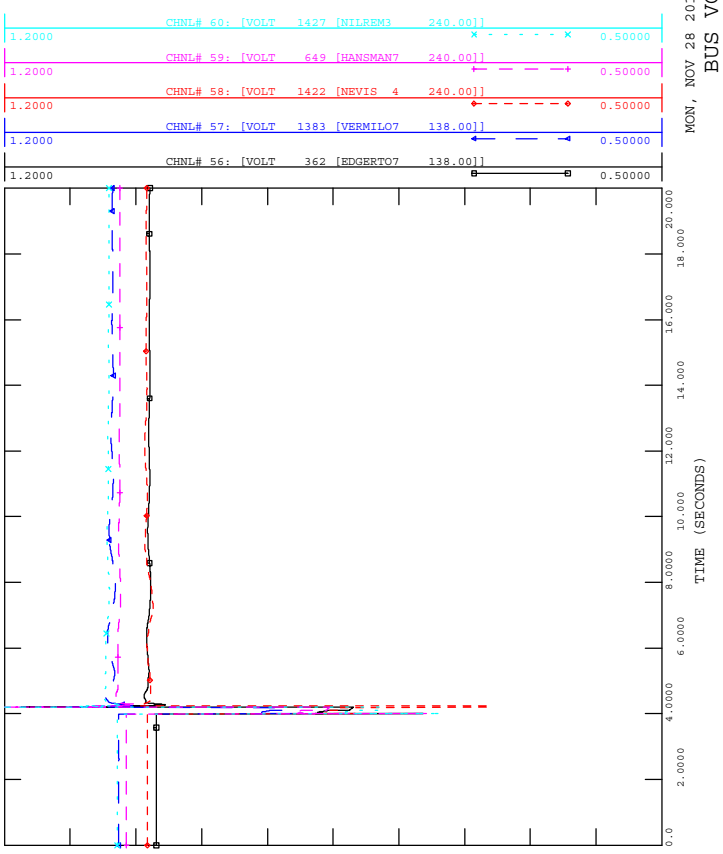
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L79_S901_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L79_S901_755S-Cordel.out

MON, NOV 28 2016 23:49

BUS VOLTAGE

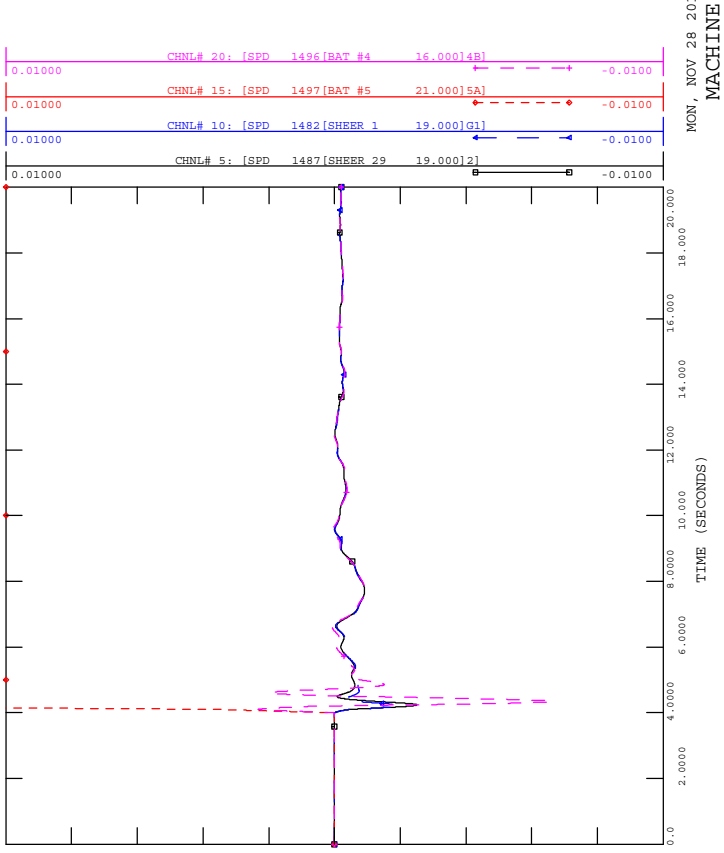


NEED_2021_SL_CASE03
C7-SLG -9L79_S901_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L79_S901_755S-Cordel.out

MON, NOV 28 2016 23:49

MACHINE SPEED

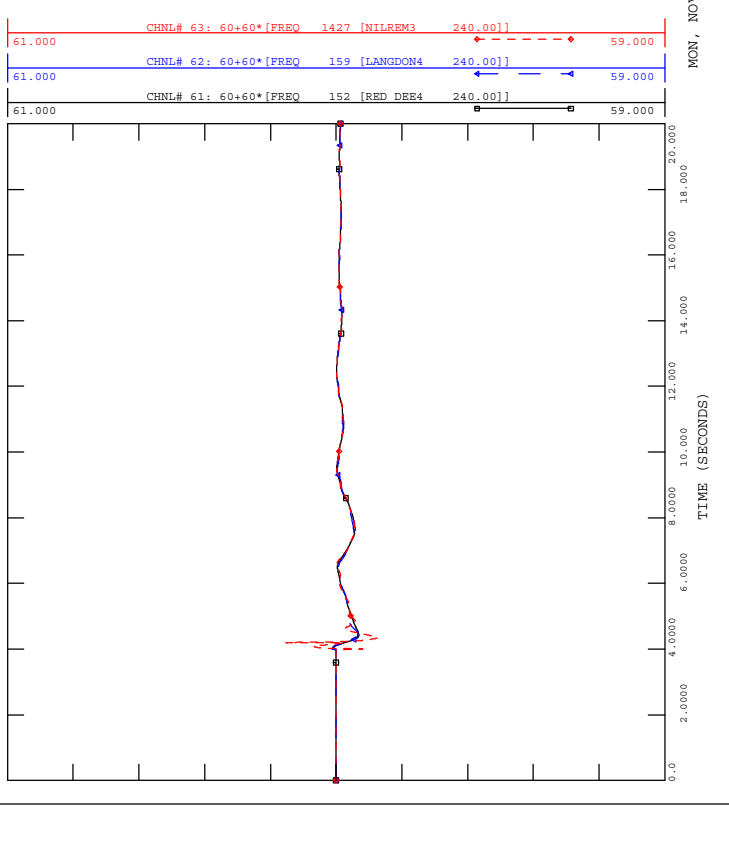


NEED_2021_SL_CASE03
C7-SLG -9L79_S901_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L79_S901_755S-Cordel.out

MON, NOV 28 2016 23:49

FREQUENCY

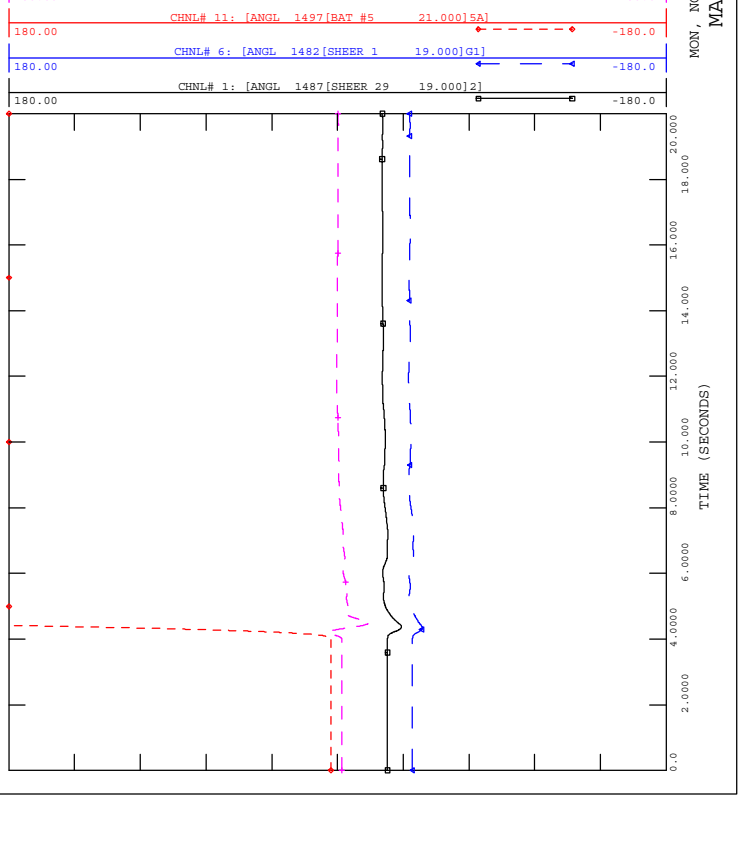


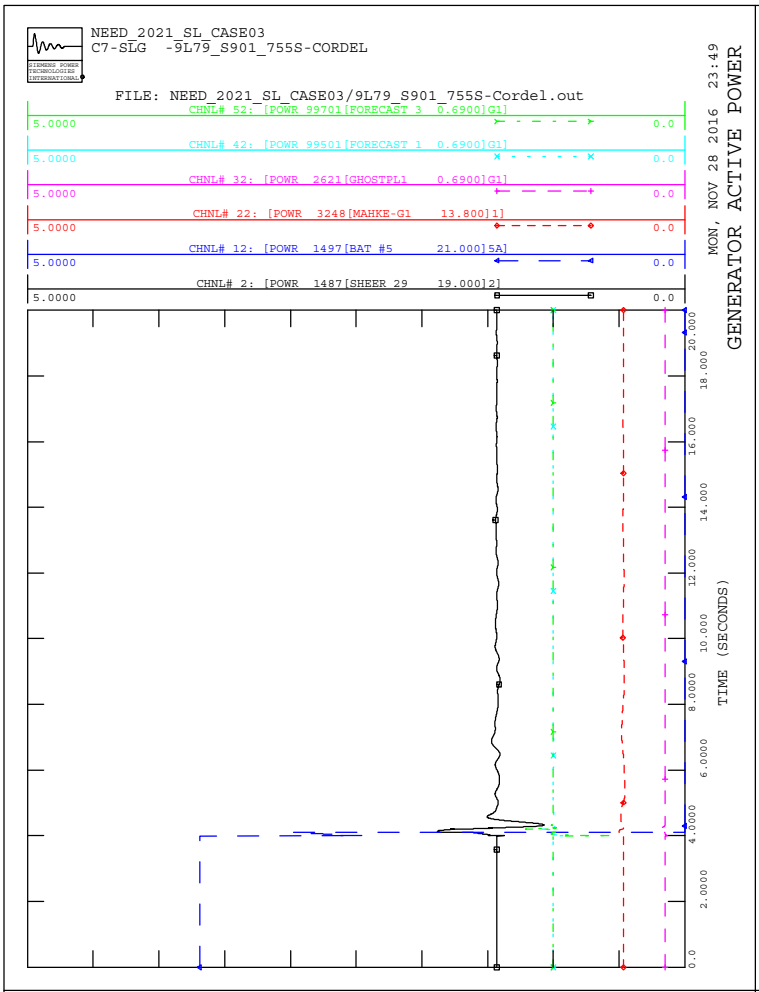
NEED_2021_SL_CASE03
C7-SLG -9L79_S901_755S-CORDEL

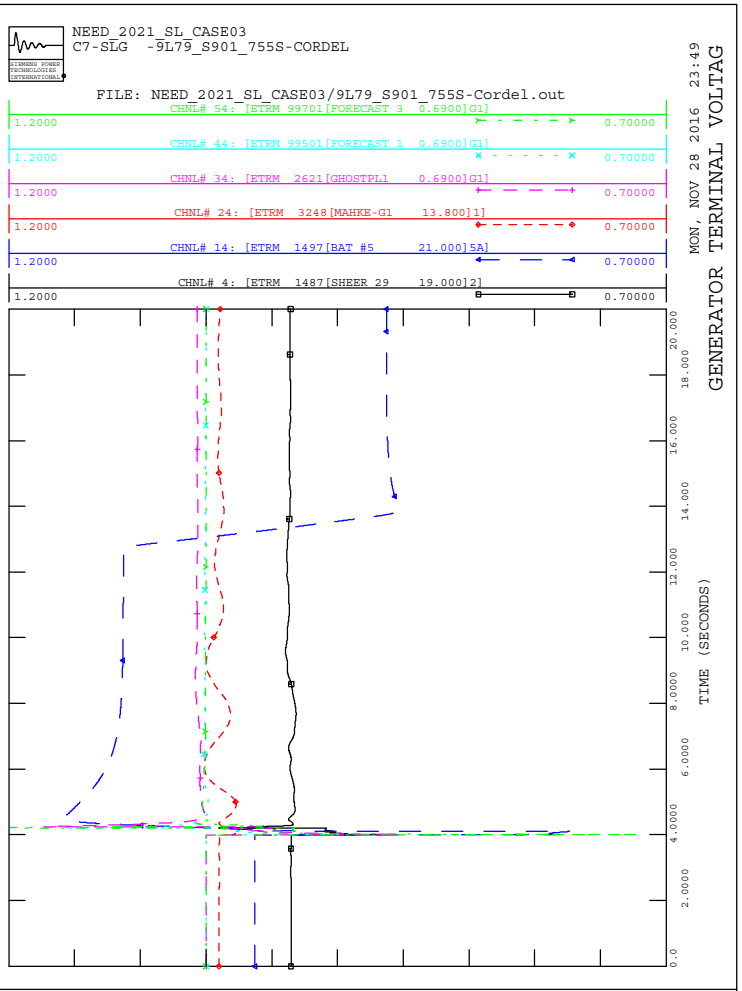
FILE: NEED_2021_SL_CASE03/9L79_S901_755S-Cordel.out

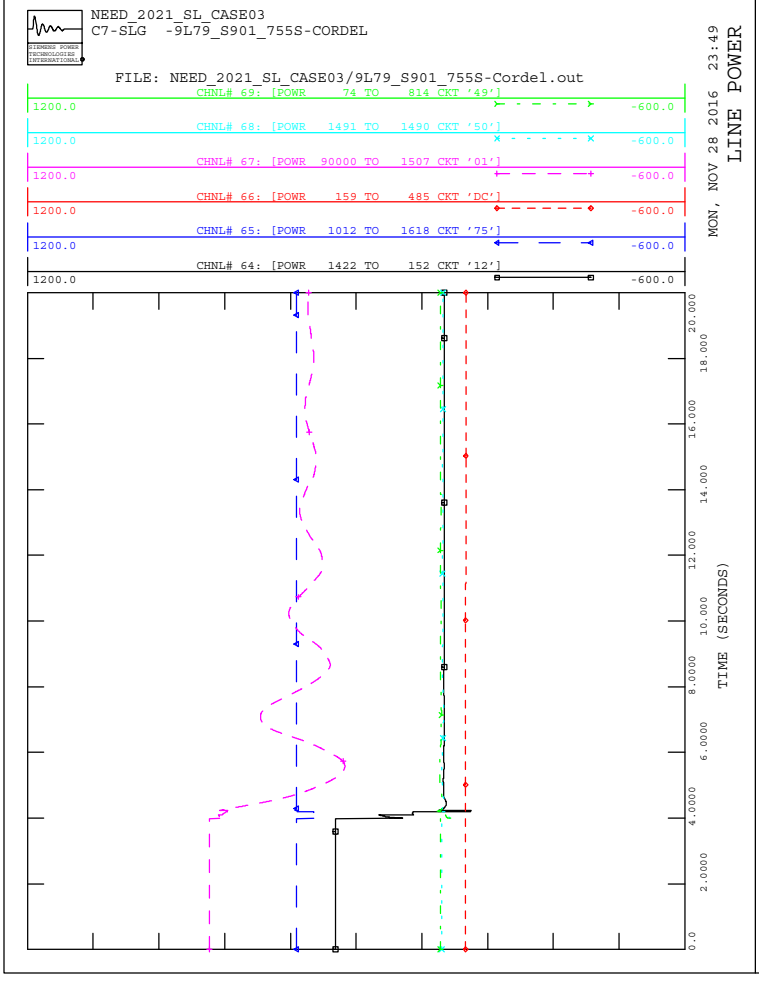
MON, NOV 28 2016 23:49

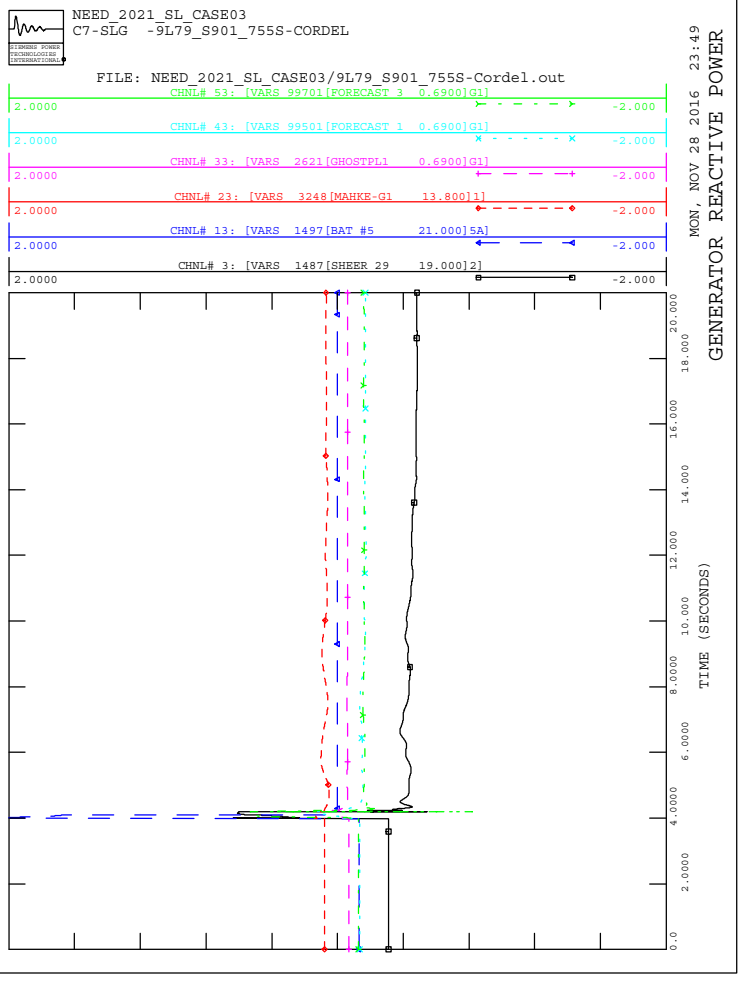
MACHINE ANGEL




NEED_2021_SL_CASE03
C7-SLG -9L79_S901_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L79_S901_755S-Cordel.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER

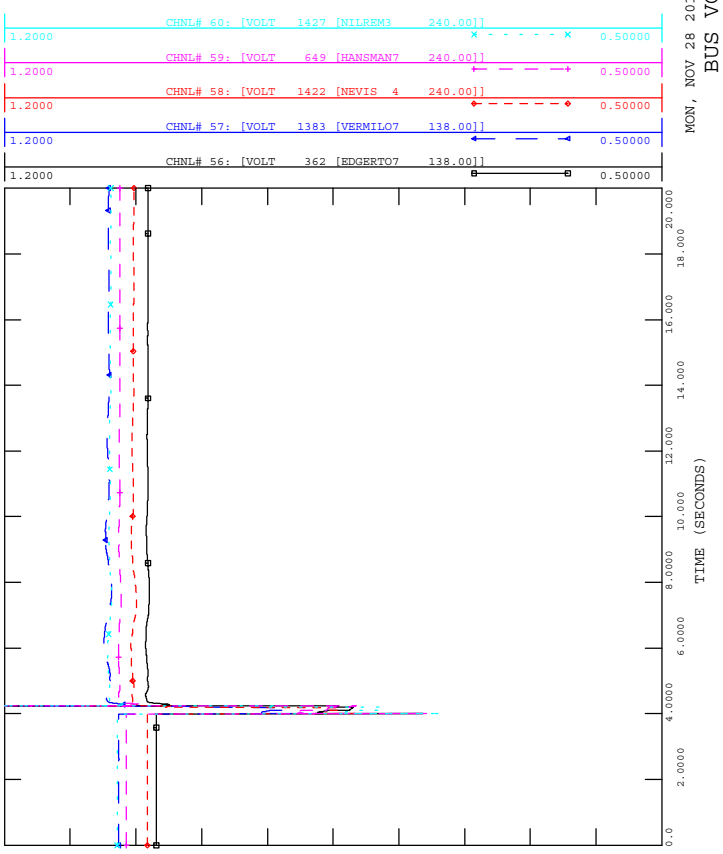

NEED_2021_SL_CASE03
C7-SLG -9L79_S901_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L79_S901_755S-Cordel.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -9L79_S901_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L79_S901_755S-Cordel.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
LINE POWER


NEED_2021_SL_CASE03
C7-SLG -9L79_S901_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L79_S901_755S-Cordel.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L79_S902_755S-CORDEL

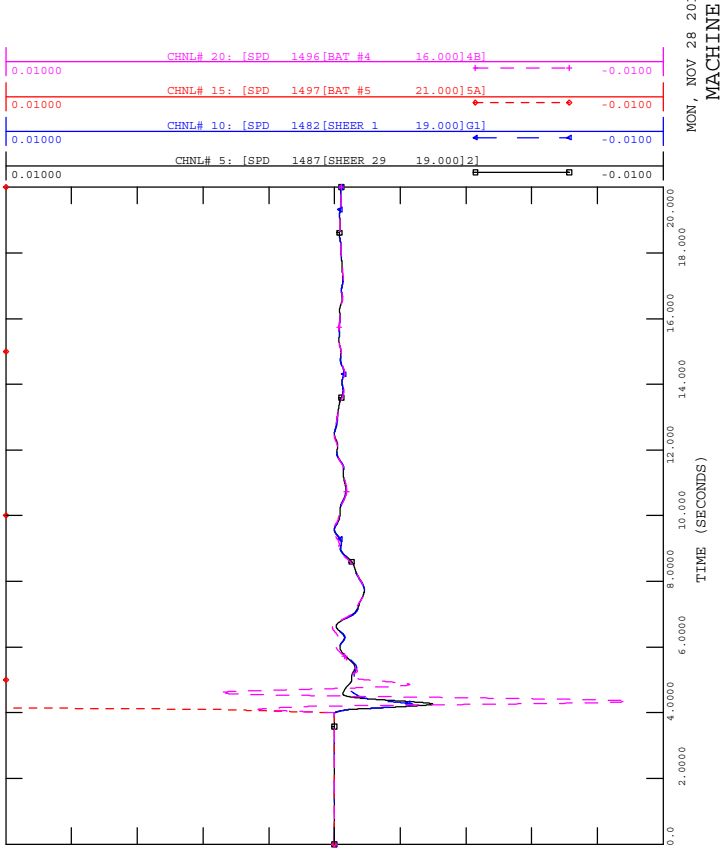
FILE: NEED_2021_SL_CASE03/9L79_S902_755S-Cordel.out



MON, NOV 28 2016 23:49
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L79_S902_755S-CORDEL

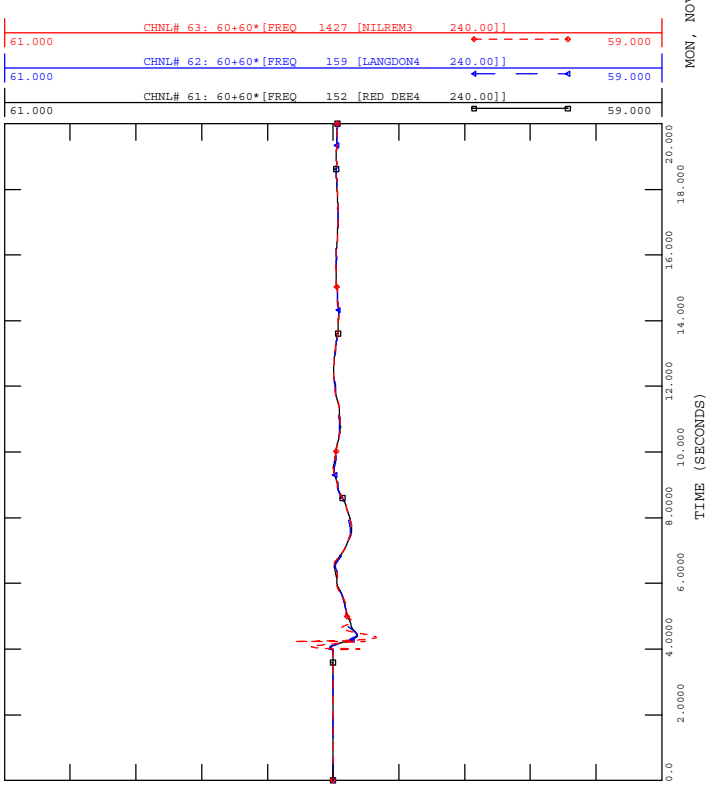
FILE: NEED_2021_SL_CASE03/9L79_S902_755S-Cordel.out



MON, NOV 28 2016 23:49
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L79_S902_755S-CORDEL

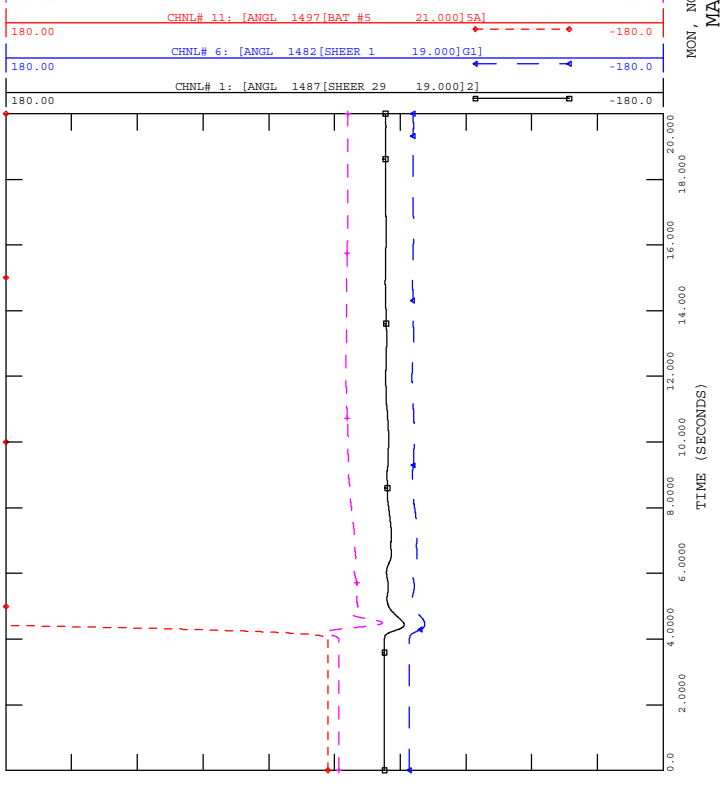
FILE: NEED_2021_SL_CASE03/9L79_S902_755S-Cordel.out



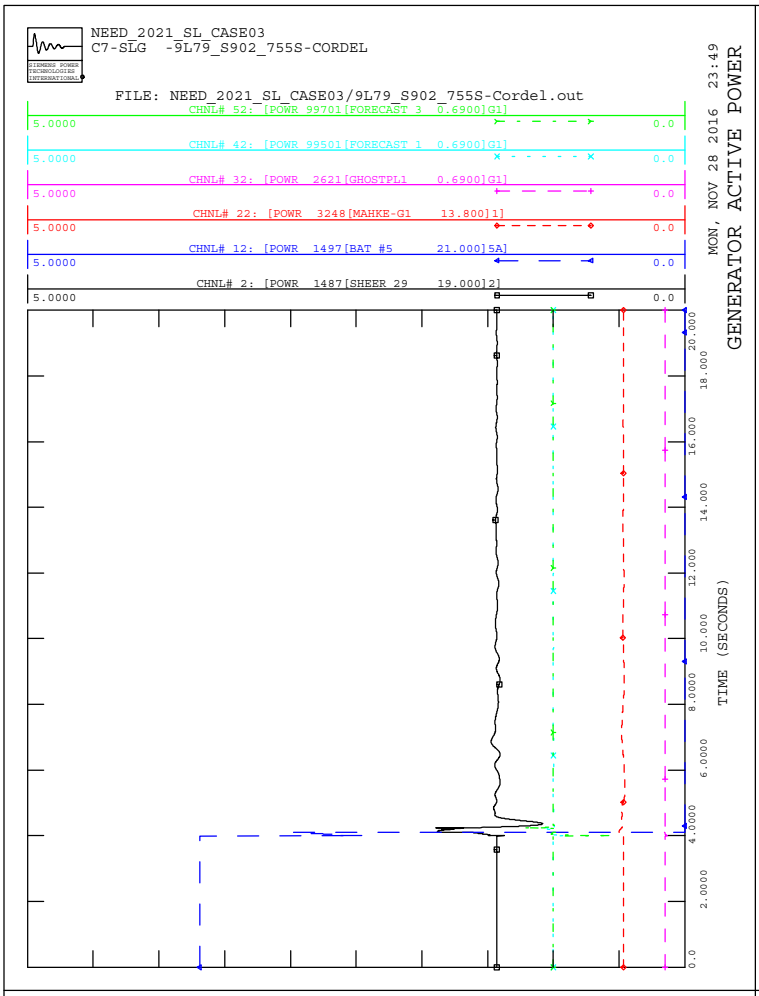
MON, NOV 28 2016 23:49
FREQUENCY

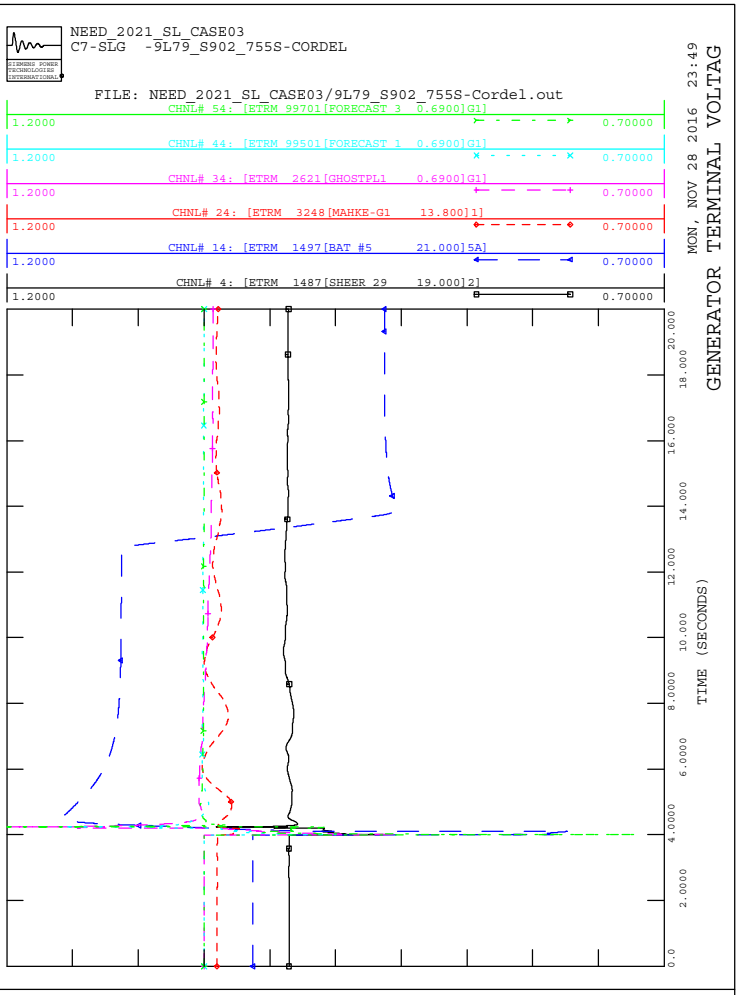
NEED_2021_SL_CASE03
C7-SLG -9L79_S902_755S-CORDEL

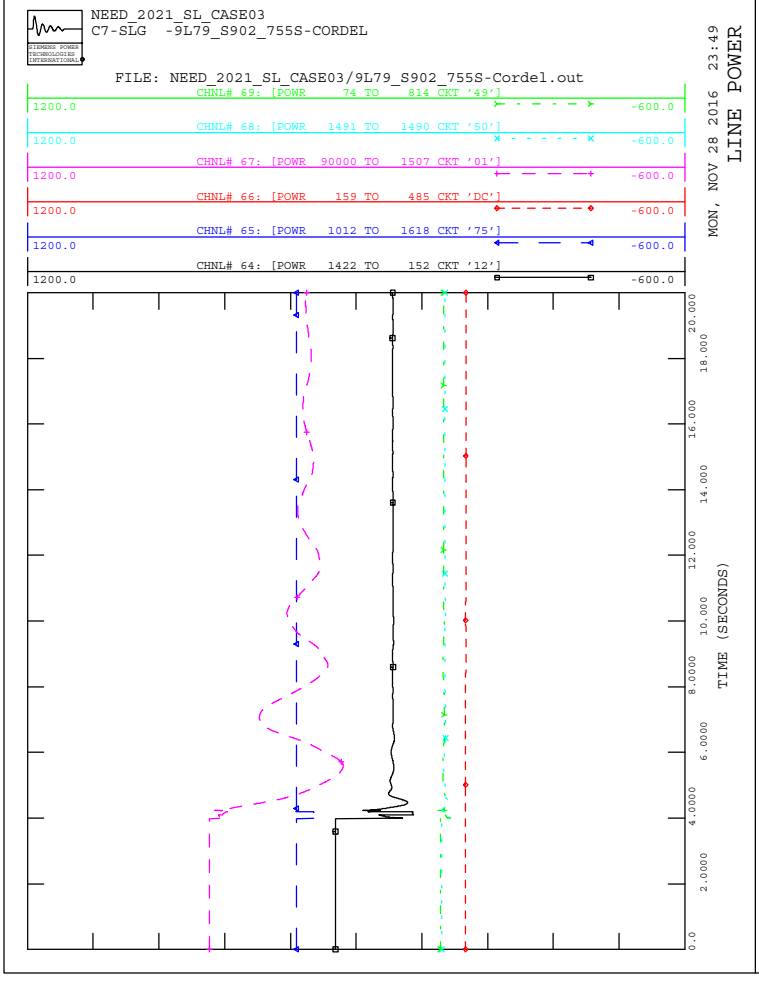
FILE: NEED_2021_SL_CASE03/9L79_S902_755S-Cordel.out

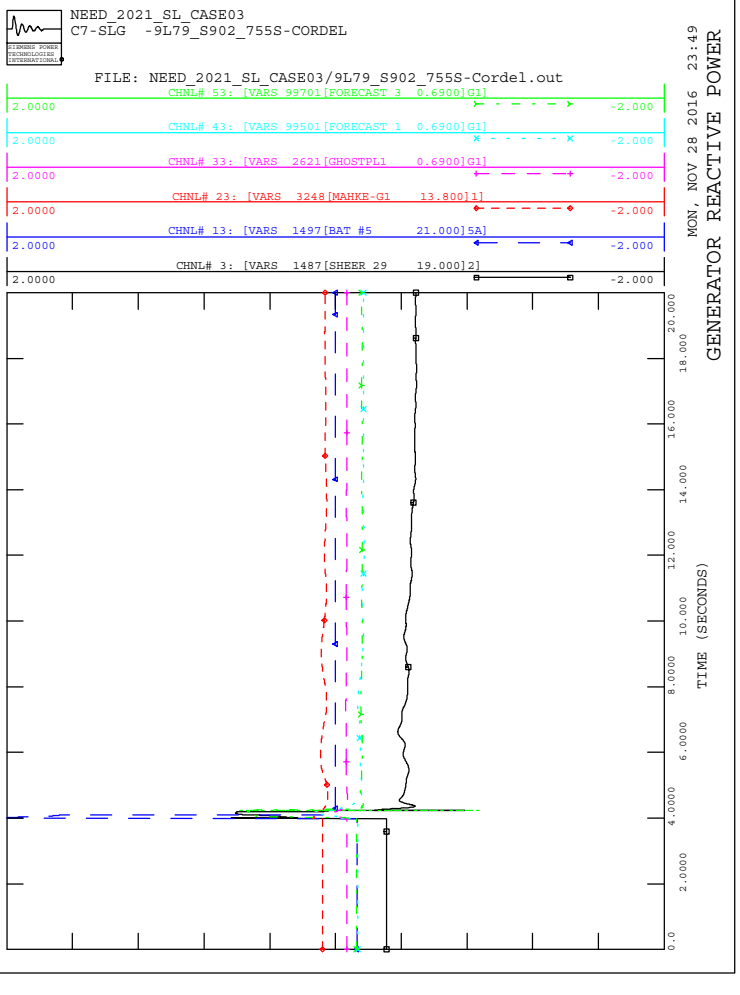


MON, NOV 28 2016 23:49
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -9L79_S902_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L79_S902_755S-Cordel.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER

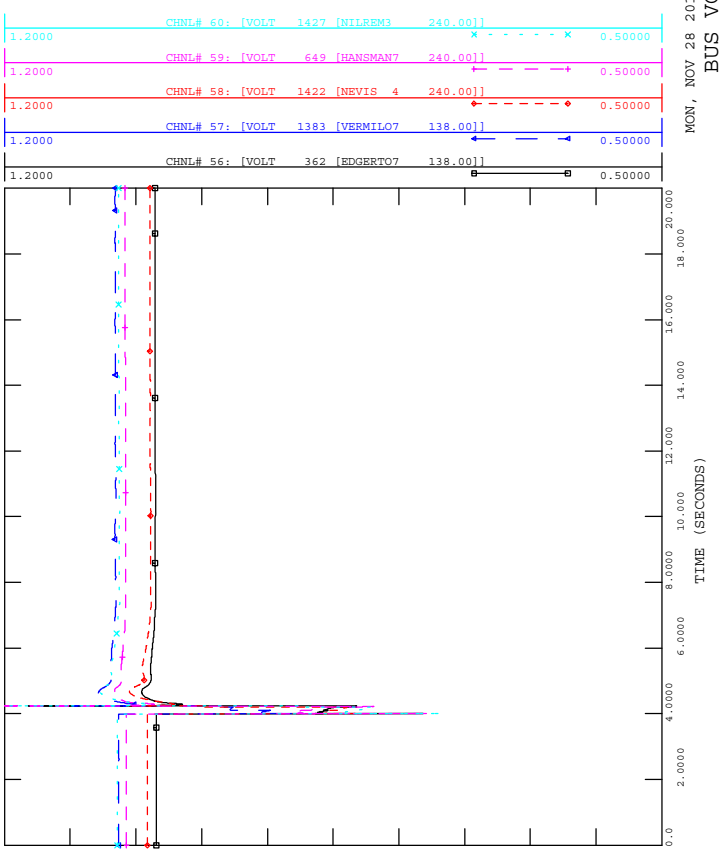

NEED_2021_SL_CASE03
C7-SLG -9L79_S902_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L79_S902_755S-Cordel.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -9L79_S902_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L79_S902_755S-Cordel.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:49
LINE POWER


NEED_2021_SL_CASE03
C7-SLG -9L79_S902_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L79_S902_755S-Cordel.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L80_S903_755S-CORDEL

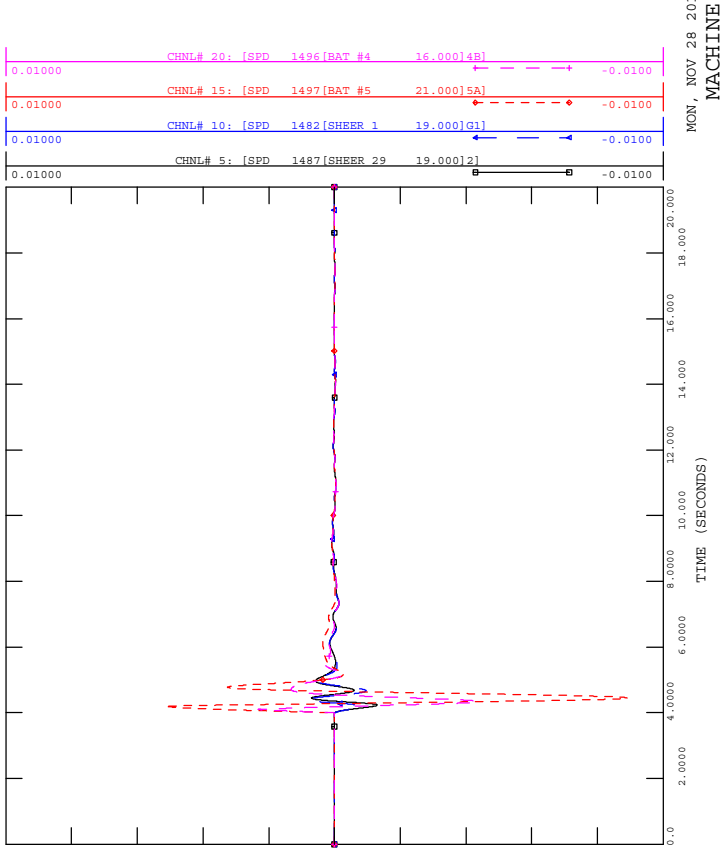
FILE: NEED_2021_SL_CASE03/9L80_S903_755S-Cordel.out



MON, NOV 28 2016 23:49
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L80_S903_755S-CORDEL

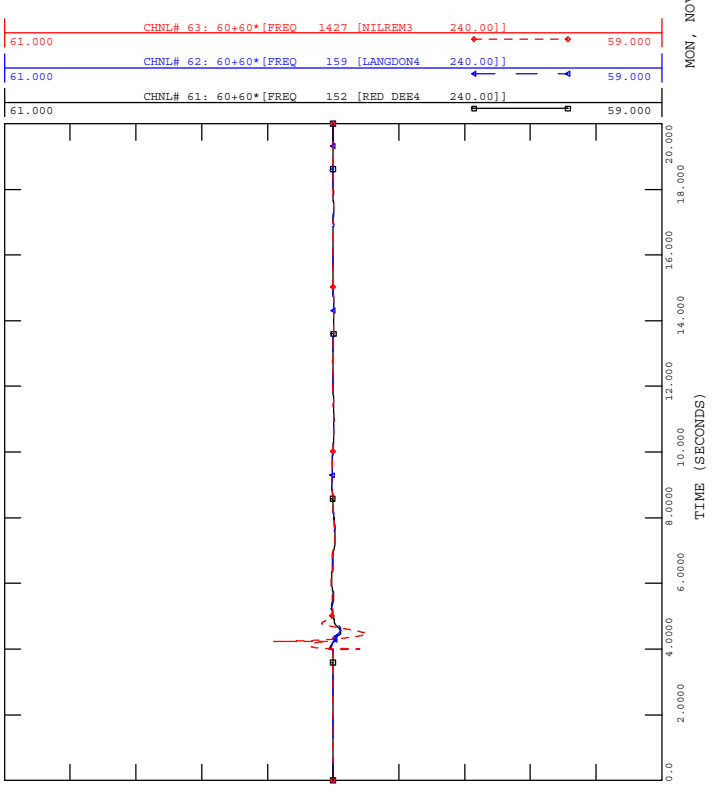
FILE: NEED_2021_SL_CASE03/9L80_S903_755S-Cordel.out



MON, NOV 28 2016 23:49
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L80_S903_755S-CORDEL

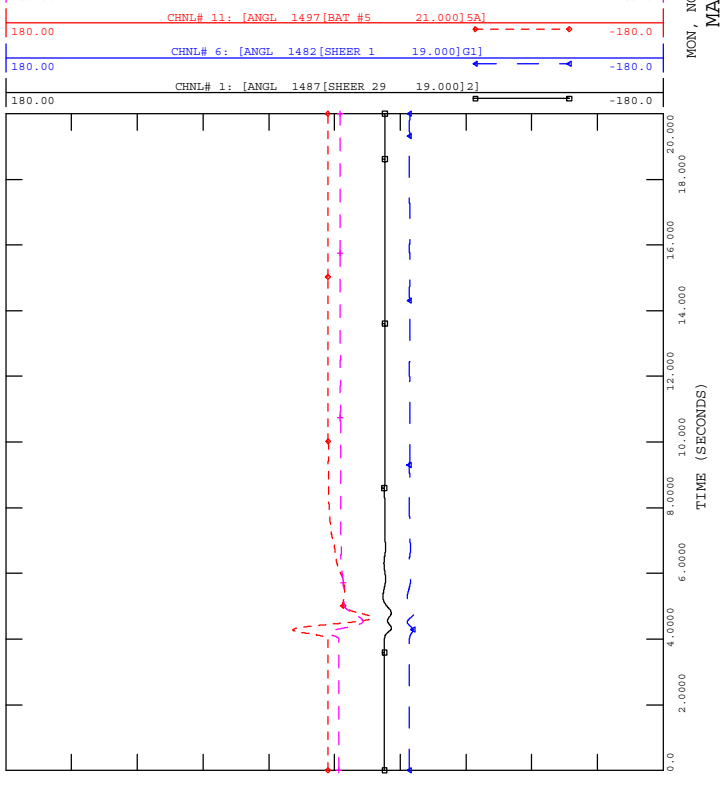
FILE: NEED_2021_SL_CASE03/9L80_S903_755S-Cordel.out



MON, NOV 28 2016 23:49
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -9L80_S903_755S-CORDEL

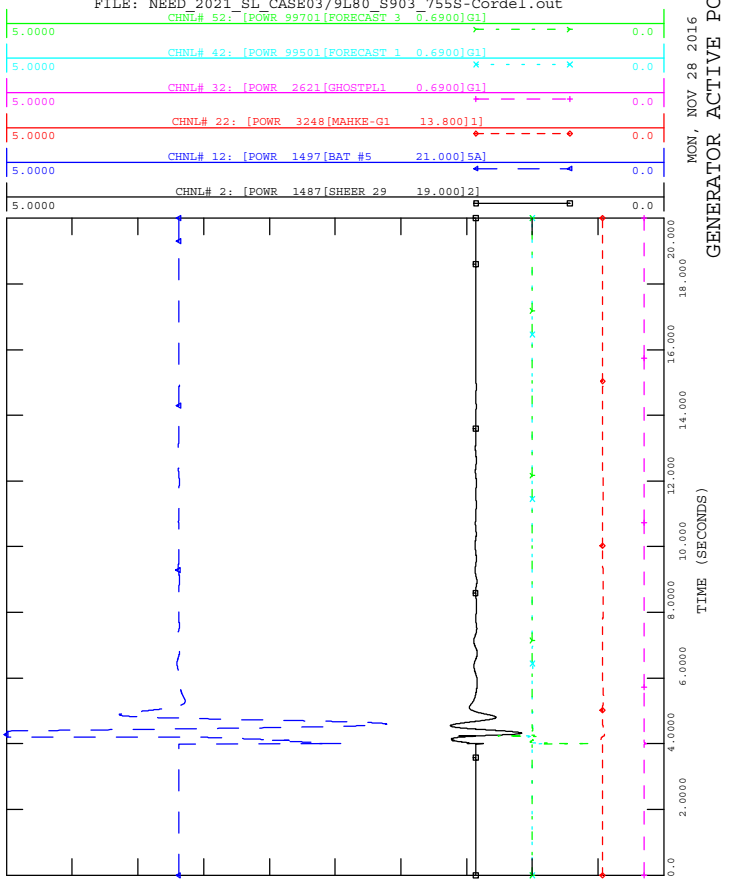
FILE: NEED_2021_SL_CASE03/9L80_S903_755S-Cordel.out



MON, NOV 28 2016 23:49
MACHINE ANGEL

NEED_2021_SL_CASE03
C7-SLG -9L80_S903_755S-CORDEL

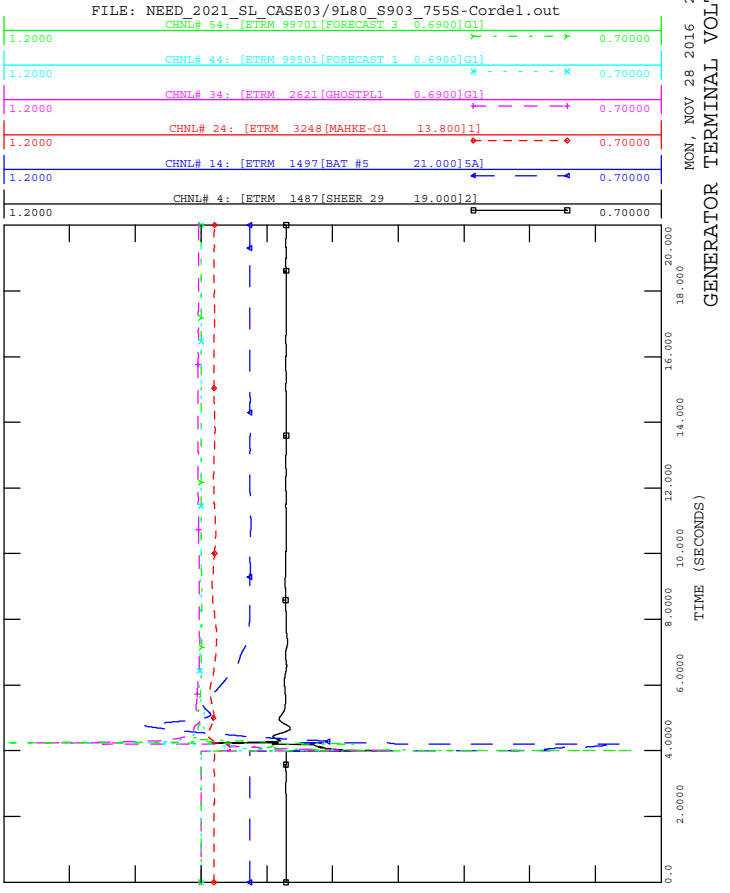
FILE: NEED_2021_SL_CASE03/9L80_S903_755S-Cordel.out



MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L80_S903_755S-CORDEL

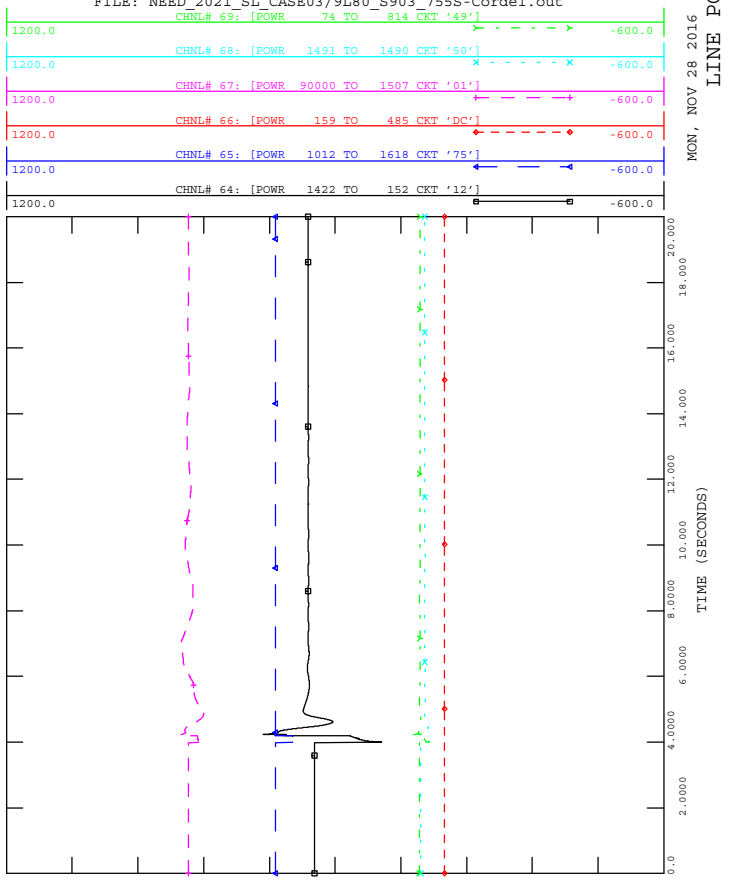
FILE: NEED_2021_SL_CASE03/9L80_S903_755S-Cordel.out



MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
C7-SLG -9L80_S903_755S-CORDEL

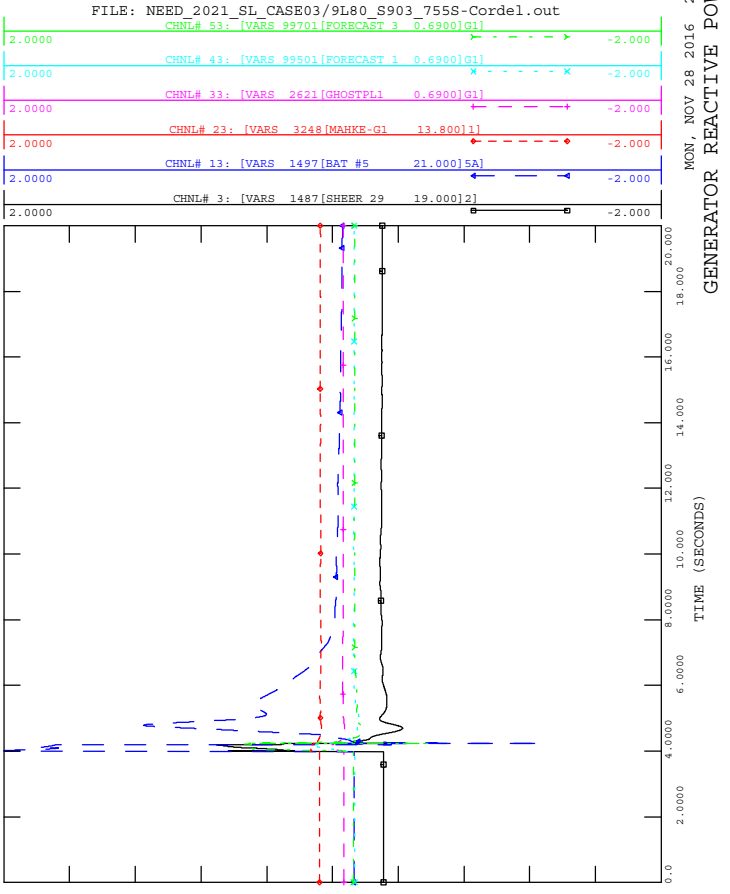
FILE: NEED_2021_SL_CASE03/9L80_S903_755S-Cordel.out



MON, NOV 28 2016 23:49
LINE POWER

NEED_2021_SL_CASE03
C7-SLG -9L80_S903_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L80_S903_755S-Cordel.out



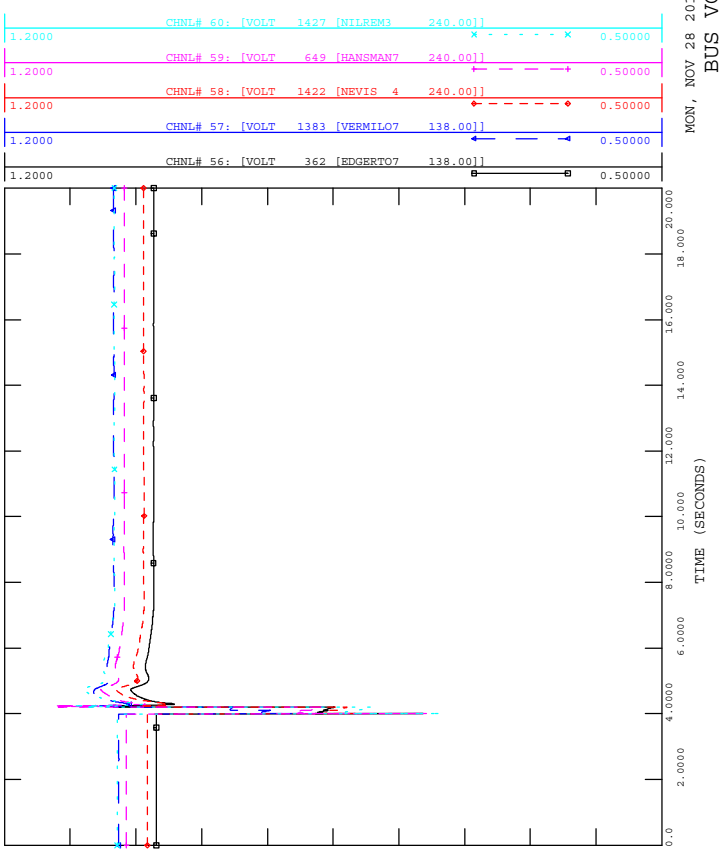
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L80_S904_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L80_S904_755S-Cordel.out

MON, NOV 28 2016 23:49

BUS VOLTAGE

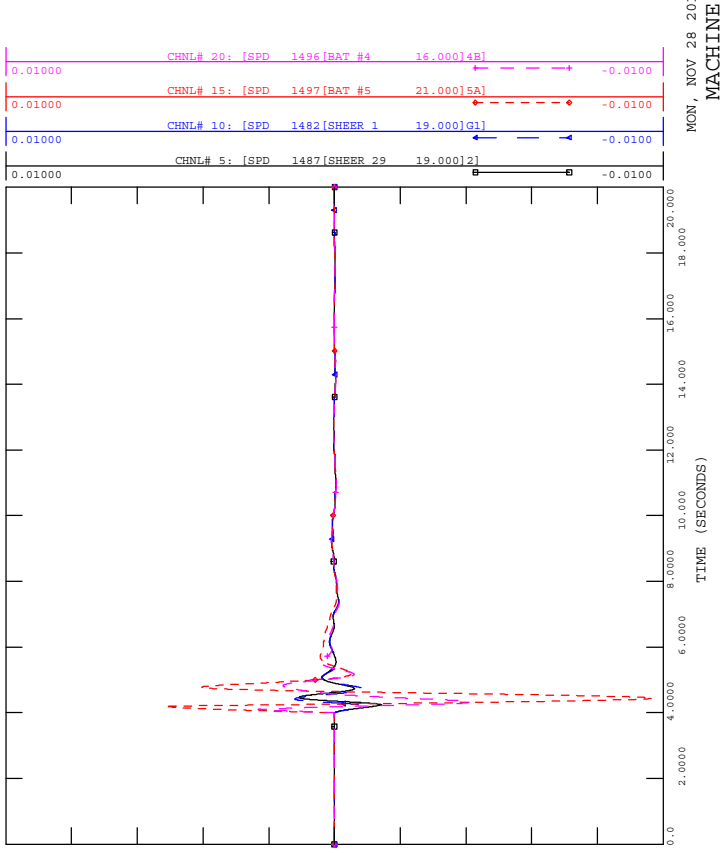


NEED_2021_SL_CASE03
C7-SLG -9L80_S904_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L80_S904_755S-Cordel.out

MON, NOV 28 2016 23:49

MACHINE SPEED

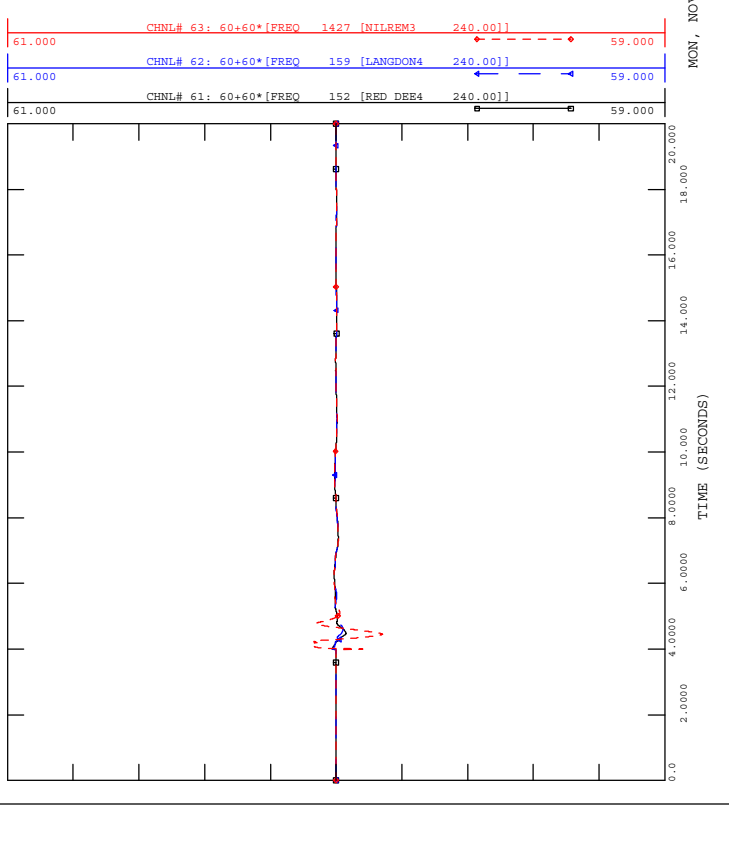


NEED_2021_SL_CASE03
C7-SLG -9L80_S904_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L80_S904_755S-Cordel.out

MON, NOV 28 2016 23:49

FREQUENCY

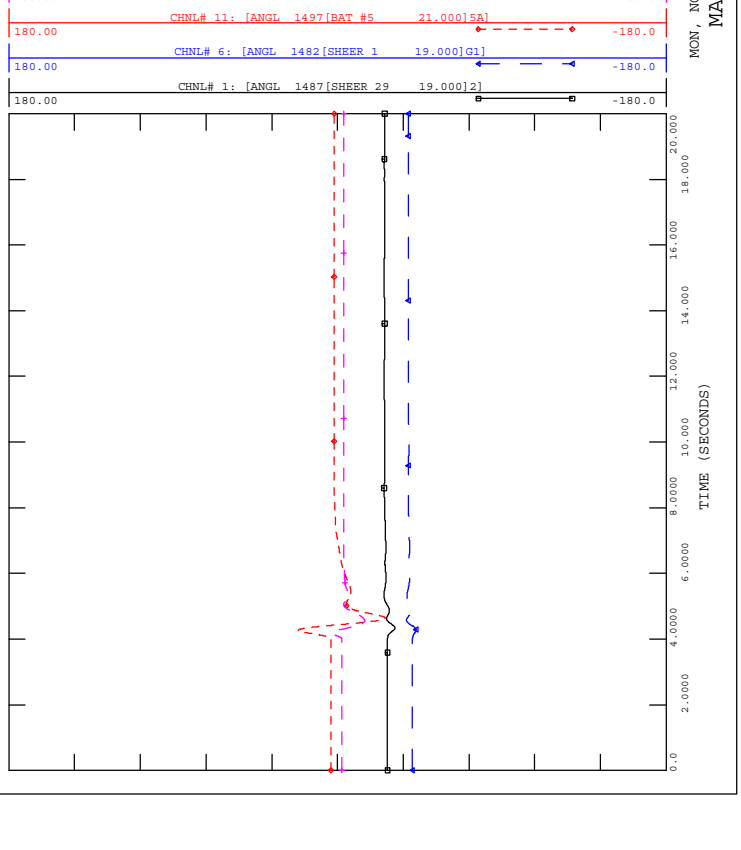


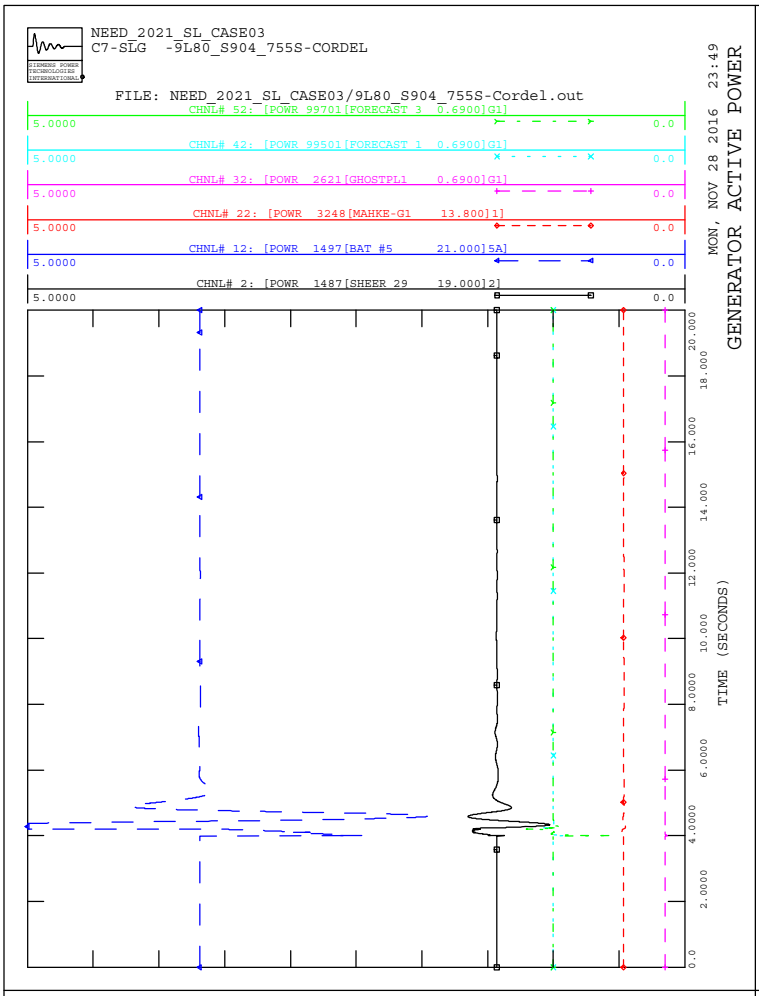
NEED_2021_SL_CASE03
C7-SLG -9L80_S904_755S-CORDEL

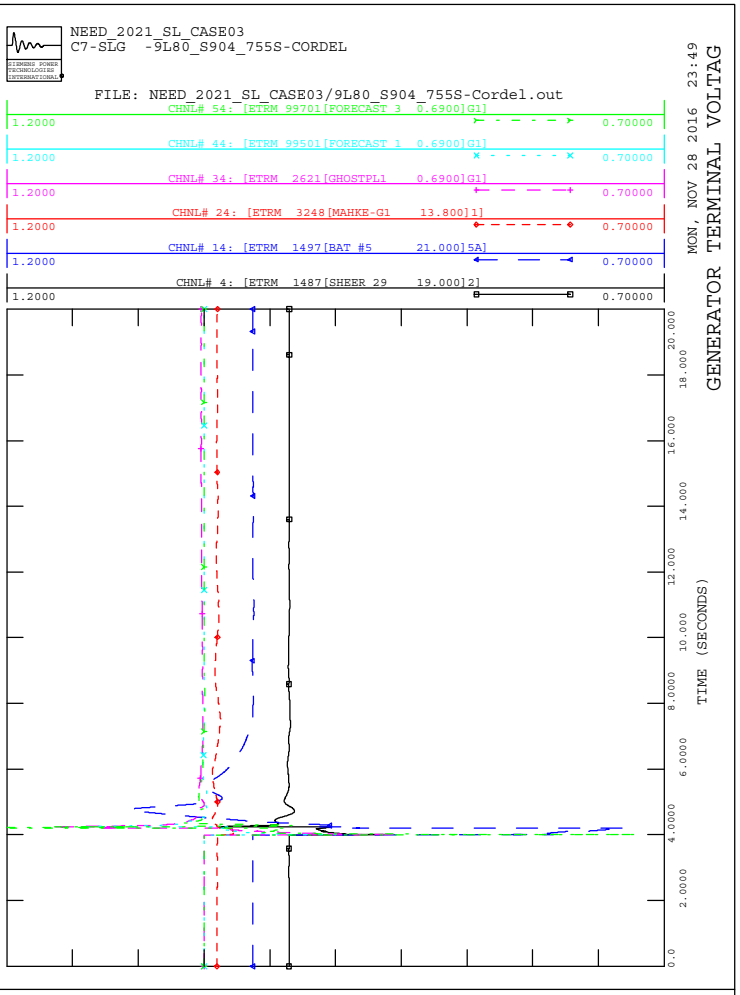
FILE: NEED_2021_SL_CASE03/9L80_S904_755S-Cordel.out

MON, NOV 28 2016 23:49

MACHINE ANGEL




NEED_2021_SL_CASE03
C7-SLG -9L80_S904_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L80_S904_755S-Cordel.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -9L80_S904_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L80_S904_755S-Cordel.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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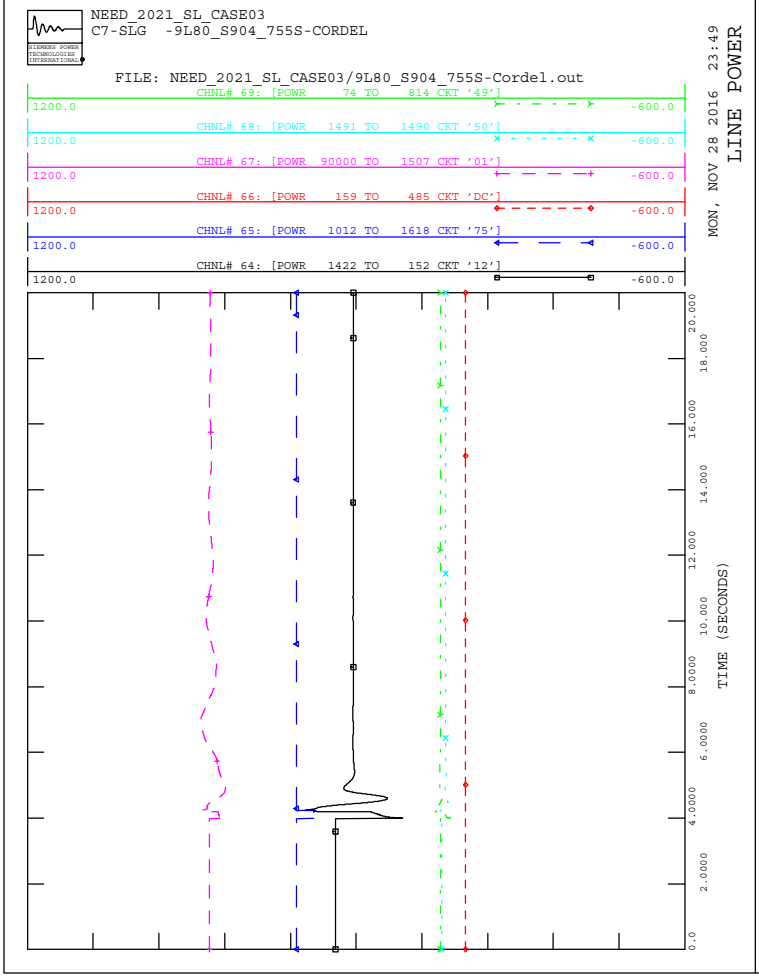
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -9L80_S904_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L80_S904_755S-Cordel.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
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10.000
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14.000
16.000
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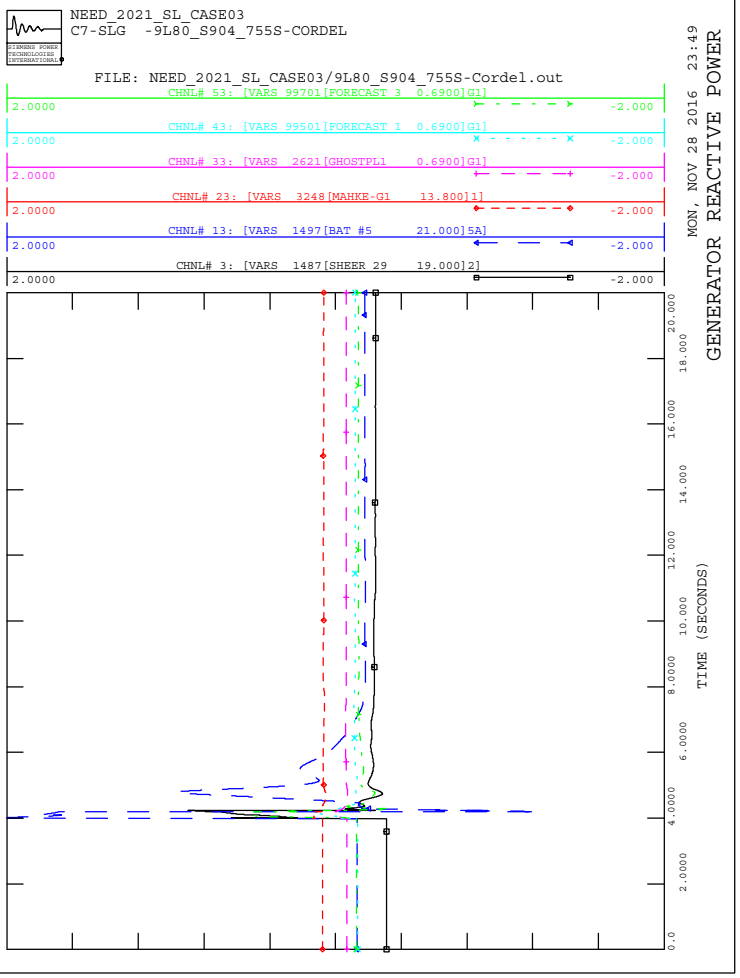
20.000
MON, NOV 28 2016 23:49
LINE POWER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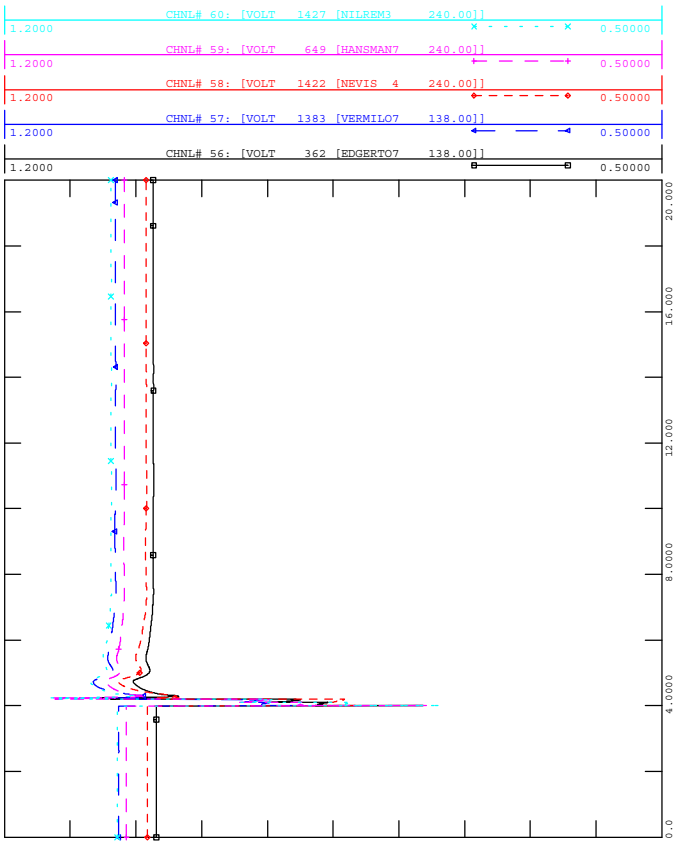
C7-SLG -9L80_S904_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L80_S904_755S-Cordel.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L953_S905_755S-Cordel.out

MON, NOV 28 2016 23:49

BUS VOLTAGE

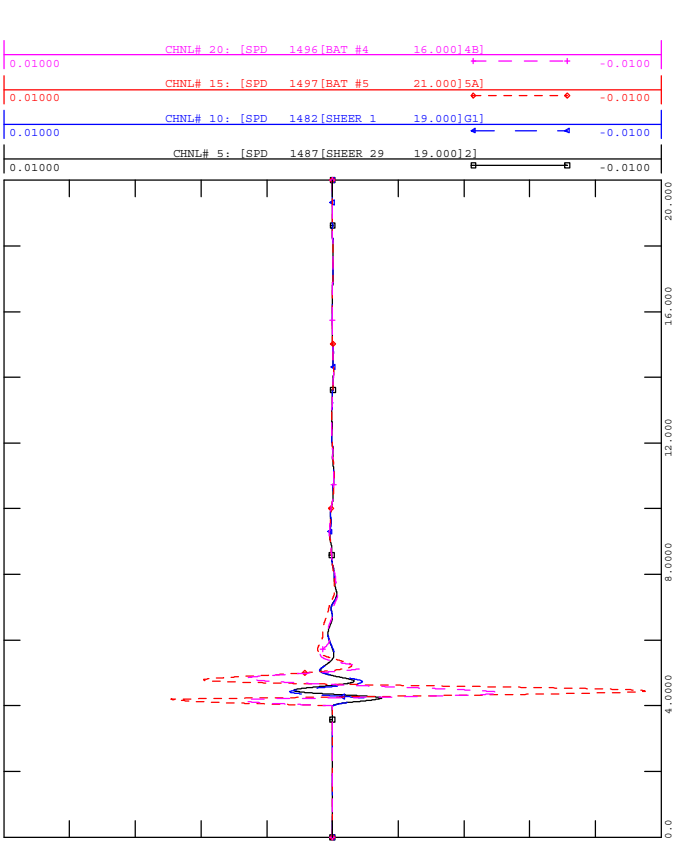


NEED_2021_SL_CASE03
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L953_S905_755S-Cordel.out

MON, NOV 28 2016 23:49

MACHINE SPEED

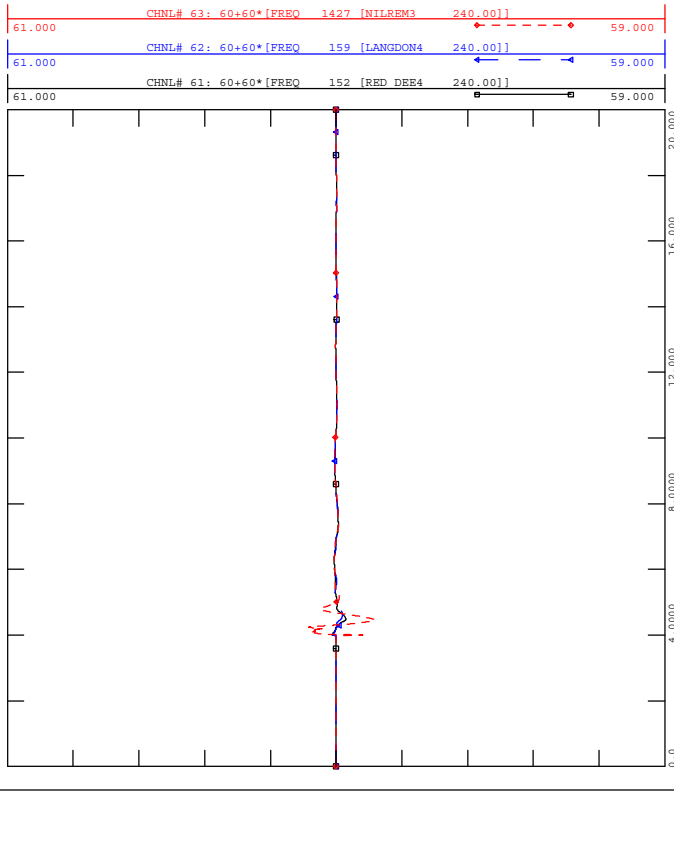


NEED_2021_SL_CASE03
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L953_S905_755S-Cordel.out

MON, NOV 28 2016 23:49

FREQUENCY

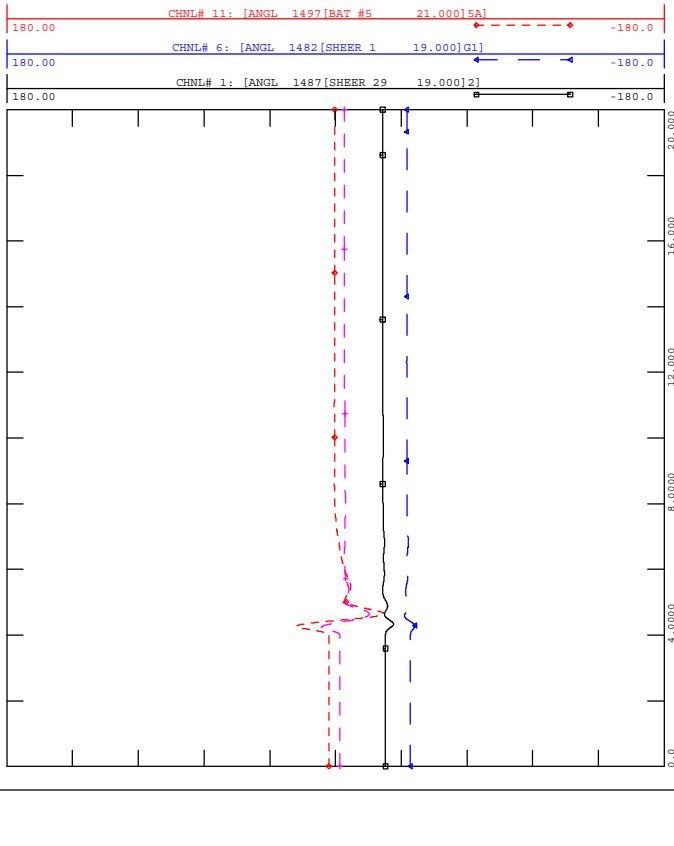


NEED_2021_SL_CASE03
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L953_S905_755S-Cordel.out

MON, NOV 28 2016 23:49

MACHINE ANGEL



NEED_2021_SL_CASE03
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L953_S905_755S-Cordel.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

MON, NOV 28 2016 23:49

GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L953_S905_755S-Cordel.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

MON, NOV 28 2016 23:49

GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L953_S905_755S-Cordel.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

MON, NOV 28 2016 23:49

LINE POWER

NEED_2021_SL_CASE03
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L953_S905_755S-Cordel.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

MON, NOV 28 2016 23:49

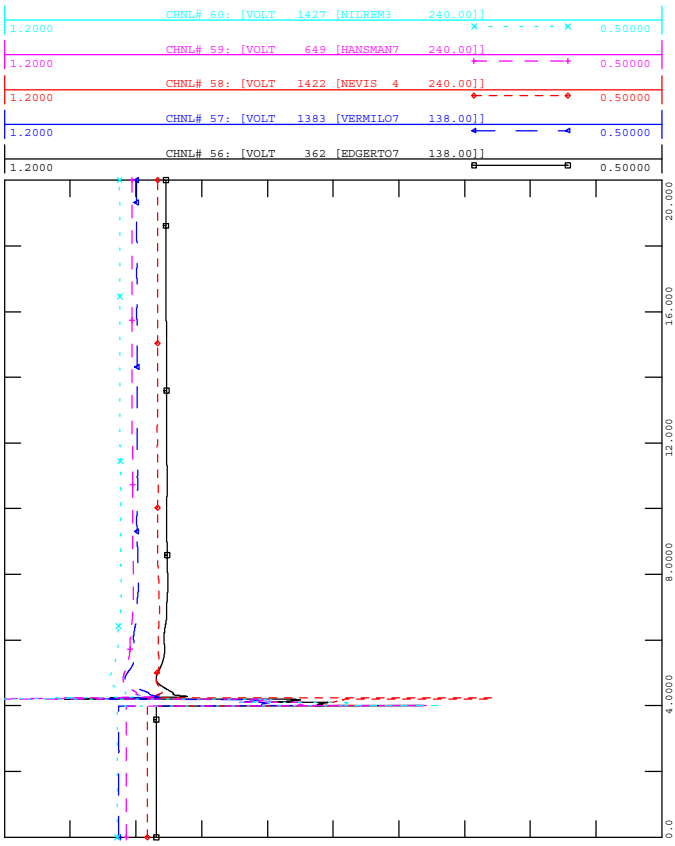
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L953_S906_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L953_S906_755S-Cordel.out

MON, NOV 28 2016 23:49

BUS VOLTAGE



NEED_2021_SL_CASE03
C7-SLG -9L953_S906_755S-CORDEL

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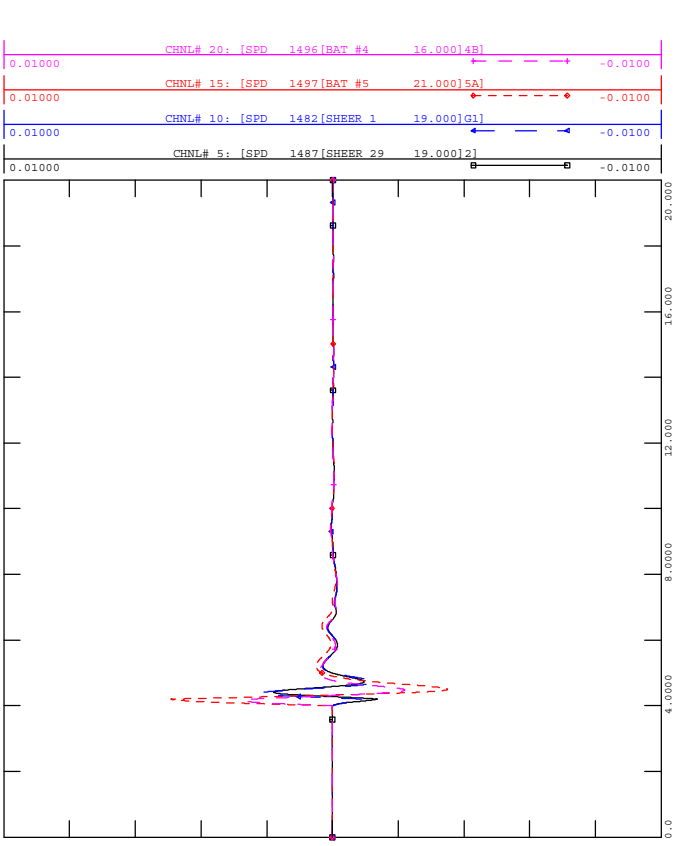
MON, NOV 28 2016 23:49

MACHINE SPEED



NEED_2021_SL_CASE03
C7-SLG -9L953_S906_755S-CORDEL

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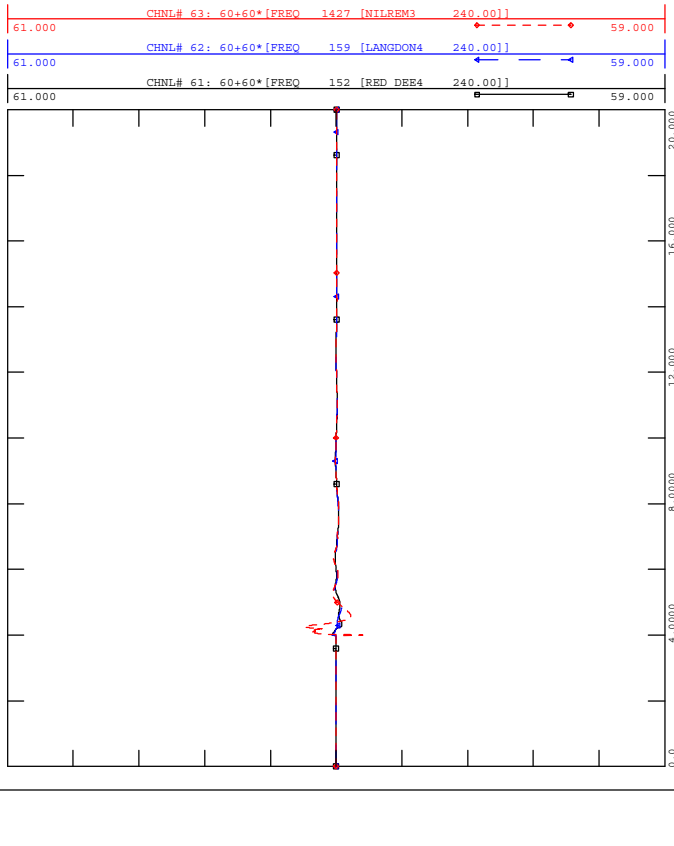
MON, NOV 28 2016 23:49

FREQUENCY

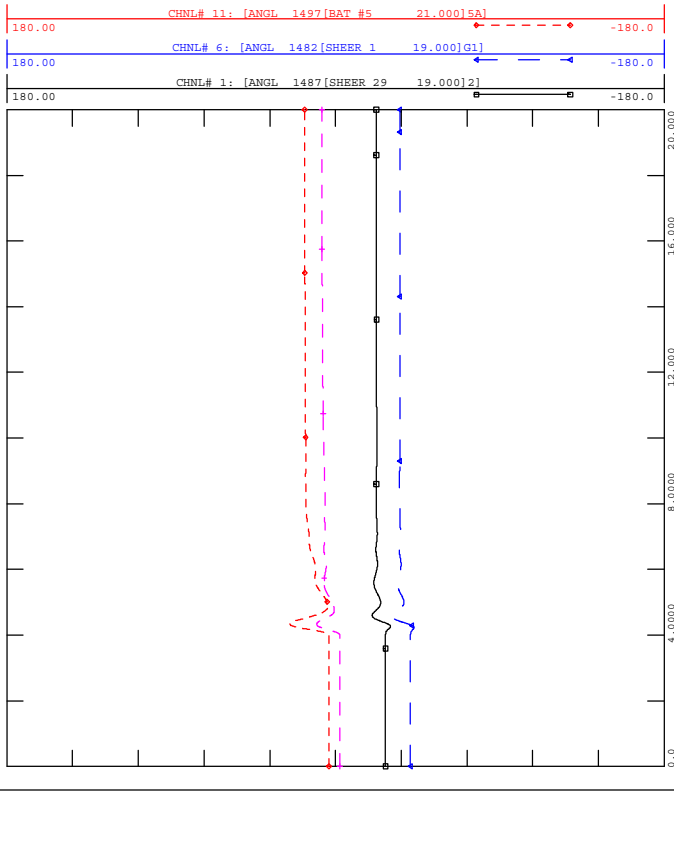


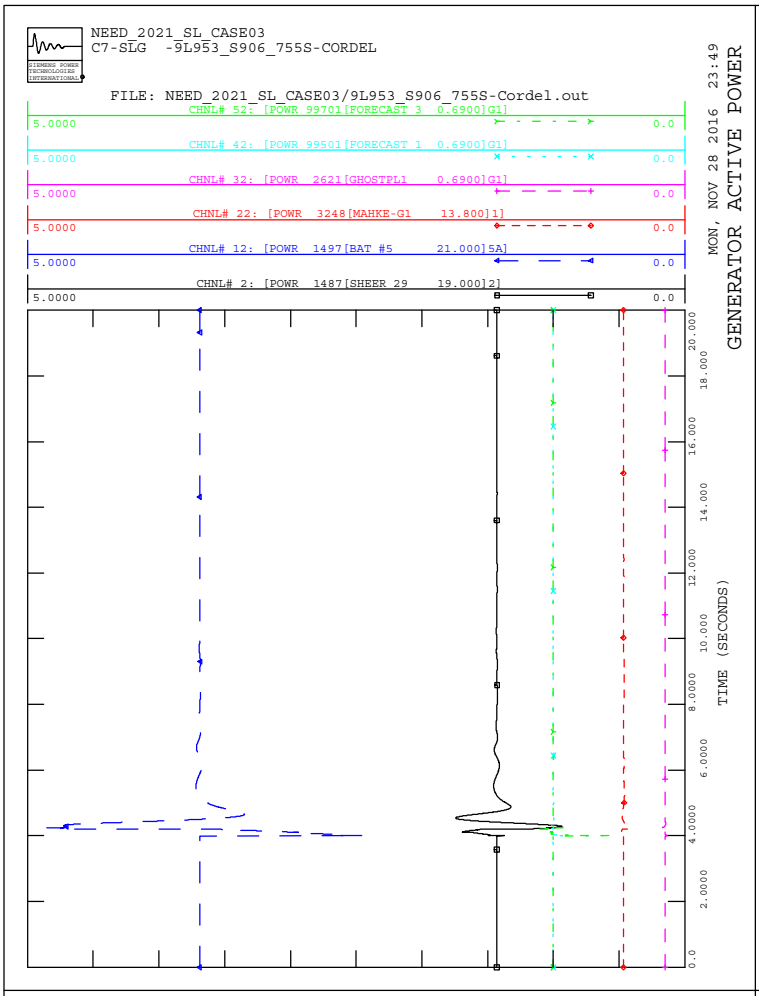
NEED_2021_SL_CASE03
C7-SLG -9L953_S906_755S-CORDEL

FILE: NEED_2021_SL_CASE03/9L953_S906_755S-Cordel.out

MON, NOV 28 2016 23:49

MACHINE ANGEL

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C7-SLG -9L953_S906_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L953_S906_755S-Cordel.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
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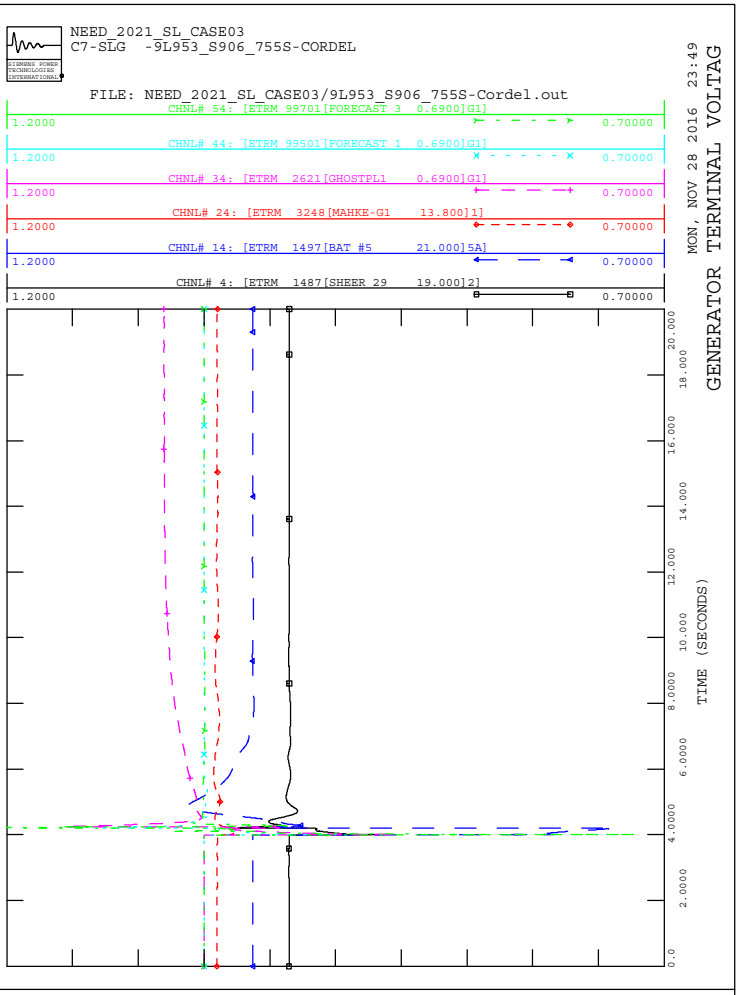
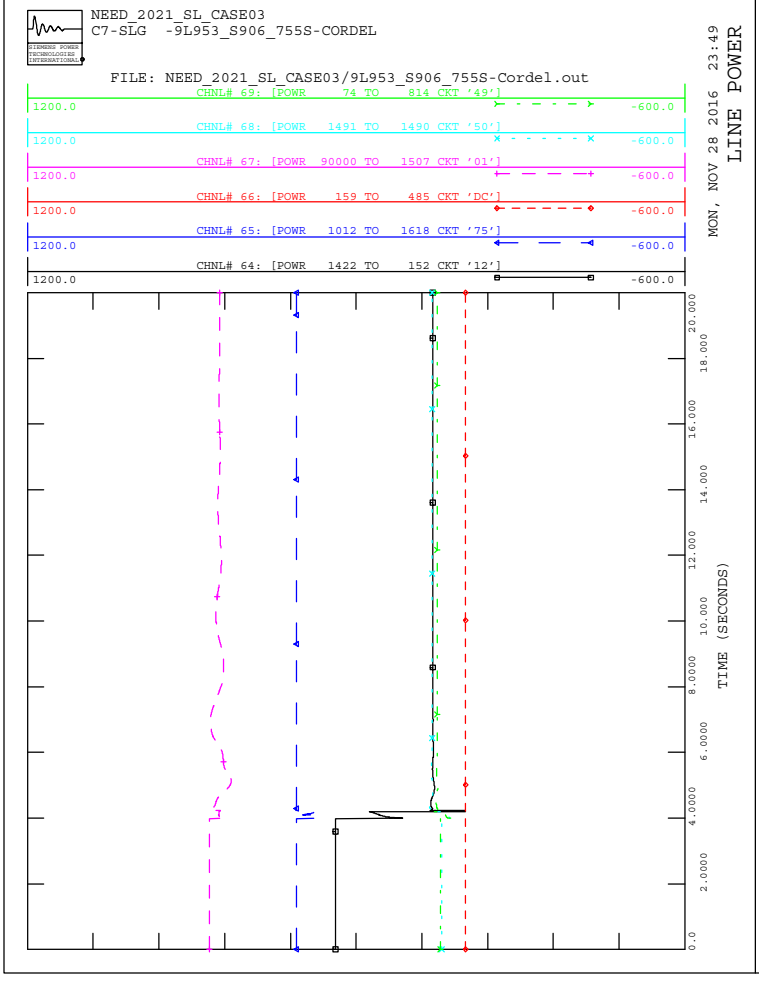
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 28 2016 23:49
TIME (SECONDS)


NEED_2021_SL_CASE03
C7-SLG -9L953_S906_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L953_S906_755S-Cordel.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 28 2016 23:49
TIME (SECONDS)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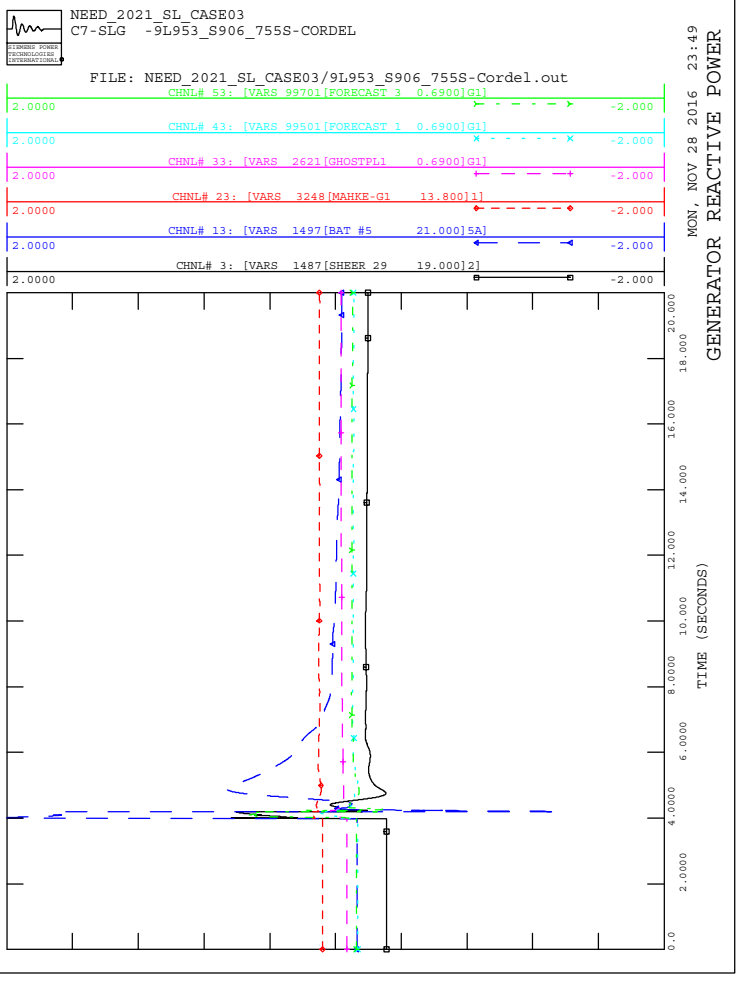
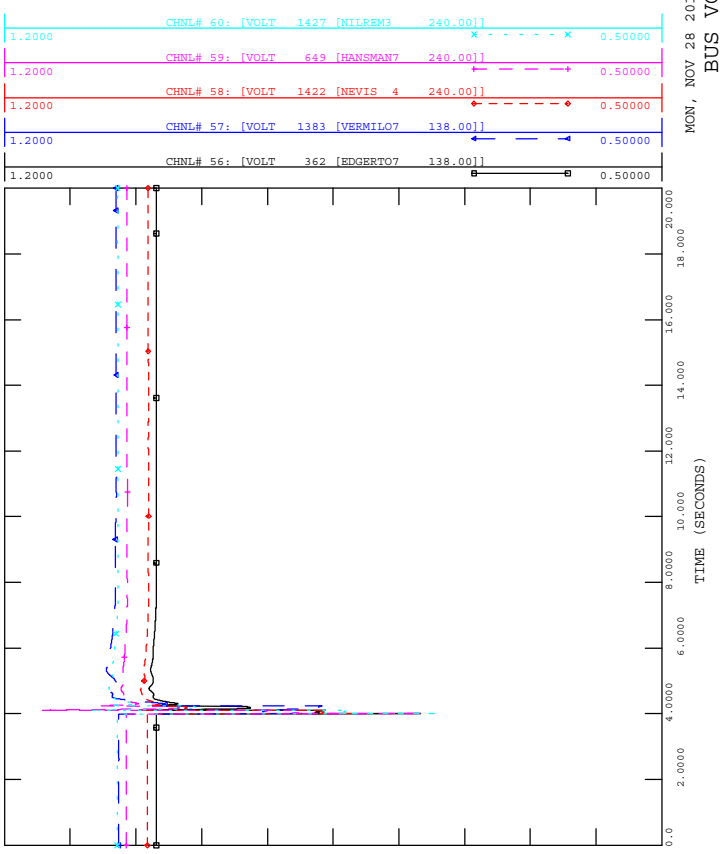
C7-SLG -9L953_S906_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L953_S906_755S-Cordel.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 28 2016 23:49
TIME (SECONDS)


NEED_2021_SL_CASE03
C7-SLG -9L953_S906_755S-CORDEL
FILE: NEED_2021_SL_CASE03/9L953_S906_755S-Cordel.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 28 2016 23:49
TIME (SECONDS)

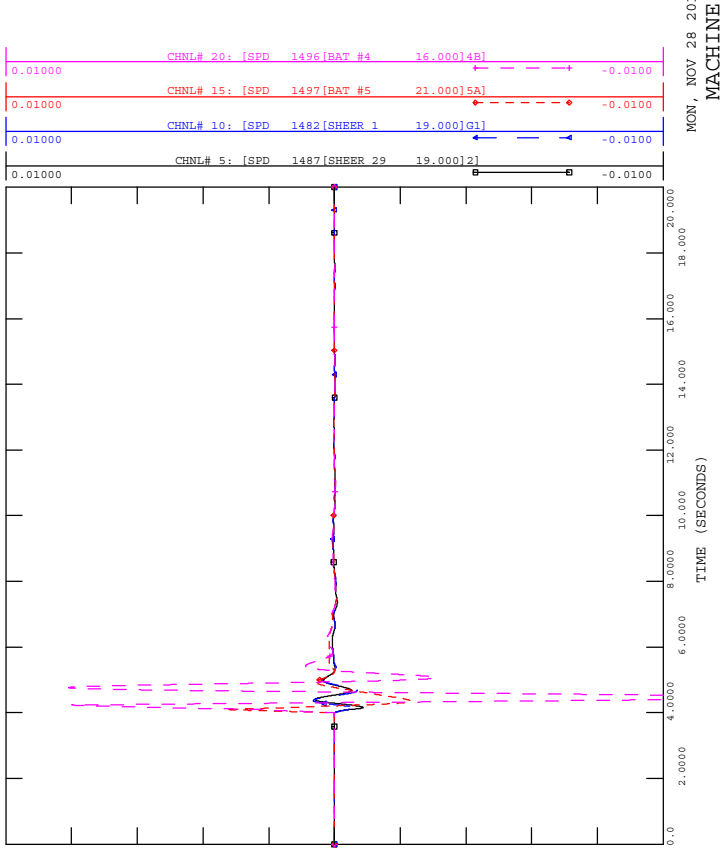
NEED_2021_SL_CASE03
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/9L80_S912_757S-Battle River.out



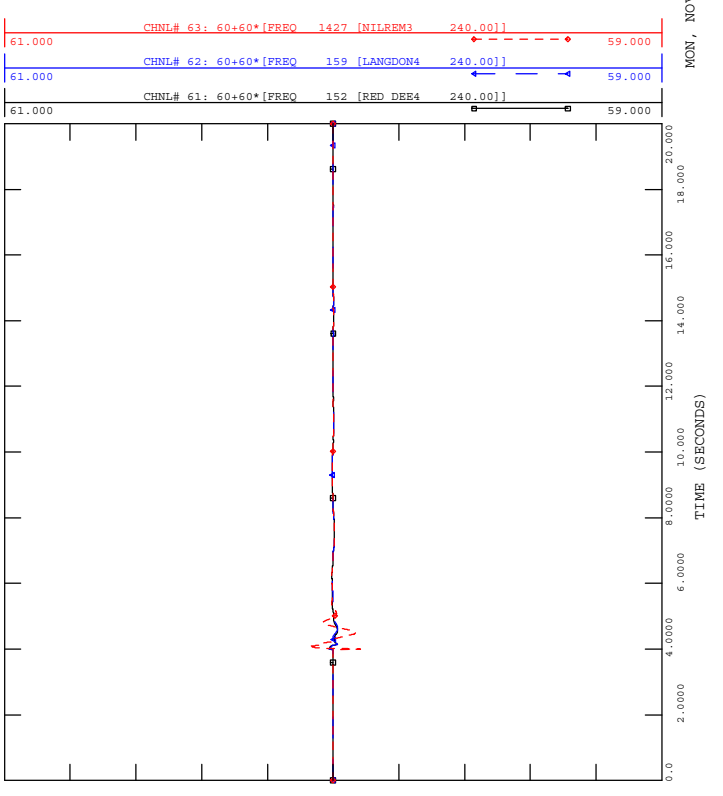
NEED_2021_SL_CASE03
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/9L80_S912_757S-Battle River.out



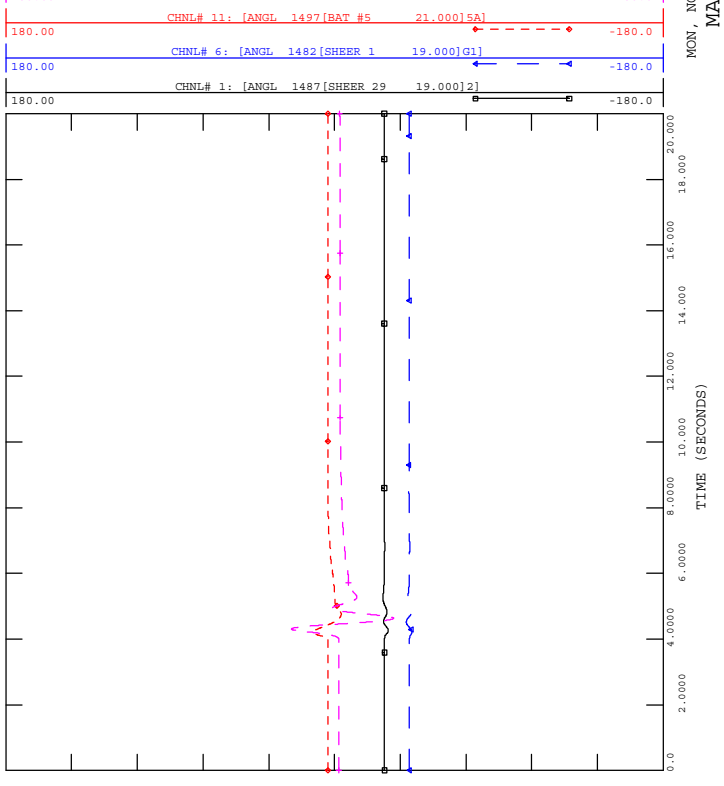
NEED_2021_SL_CASE03
C7-SLG -9L80_S912_757S-BATTLE RIVER

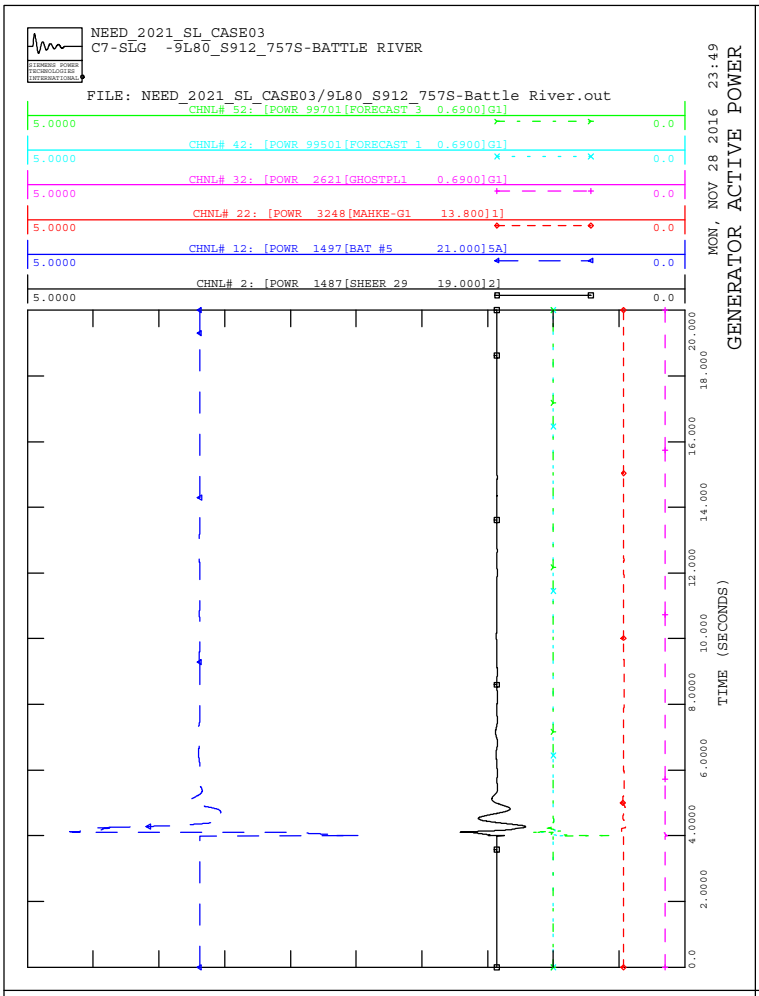
FILE: NEED_2021_SL_CASE03/9L80_S912_757S-Battle River.out



NEED_2021_SL_CASE03
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/9L80_S912_757S-Battle River.out




NEED_2021_SL_CASE03
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: NEED_2021_SL_CASE03/9L80_S912_757S-Battle River.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
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CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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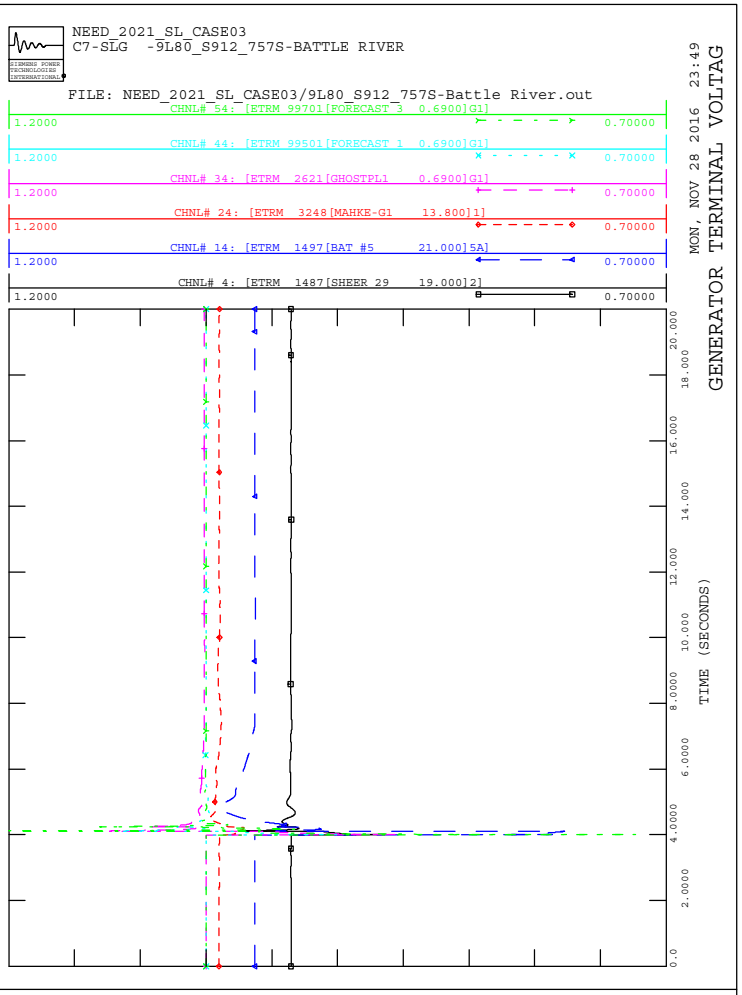
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: NEED_2021_SL_CASE03/9L80_S912_757S-Battle River.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
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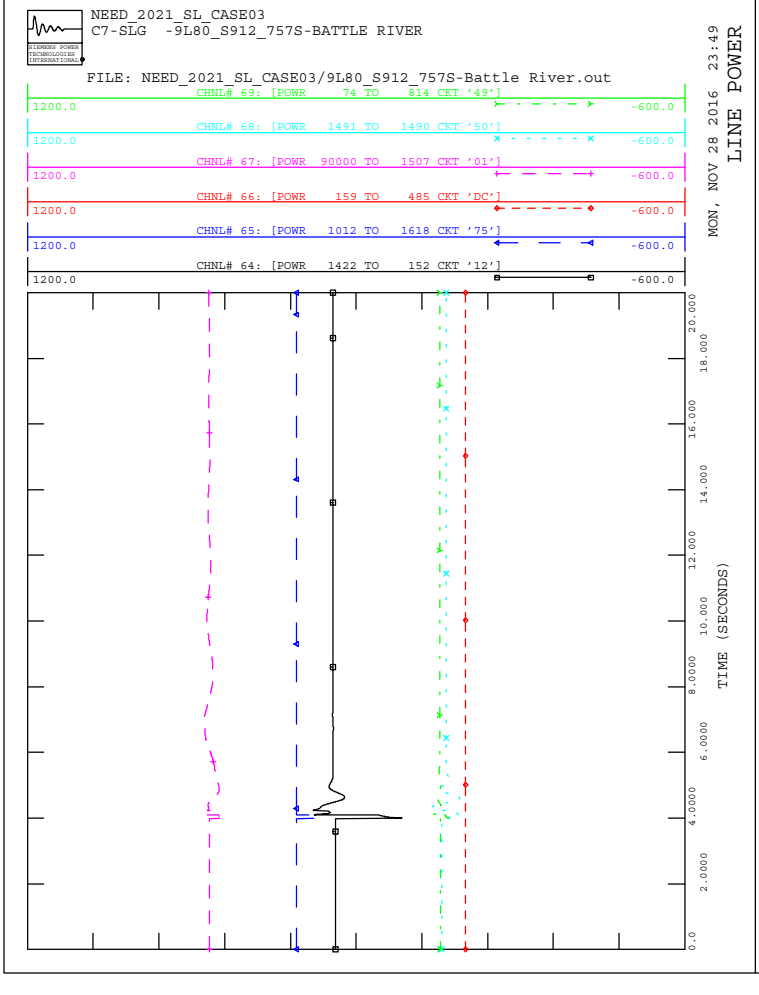
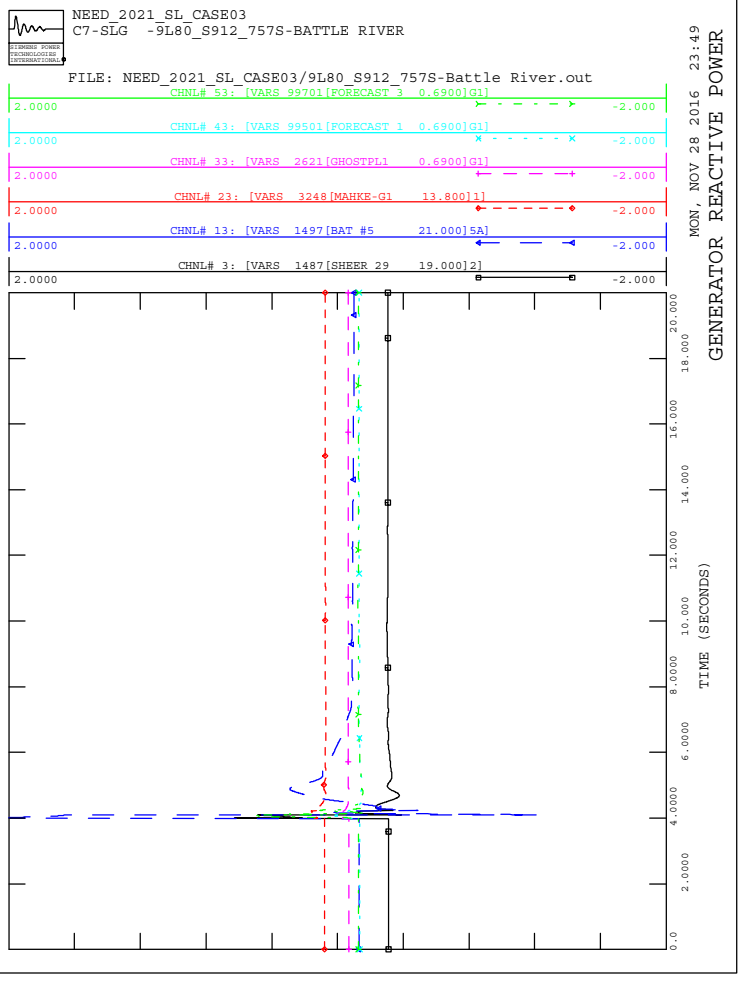
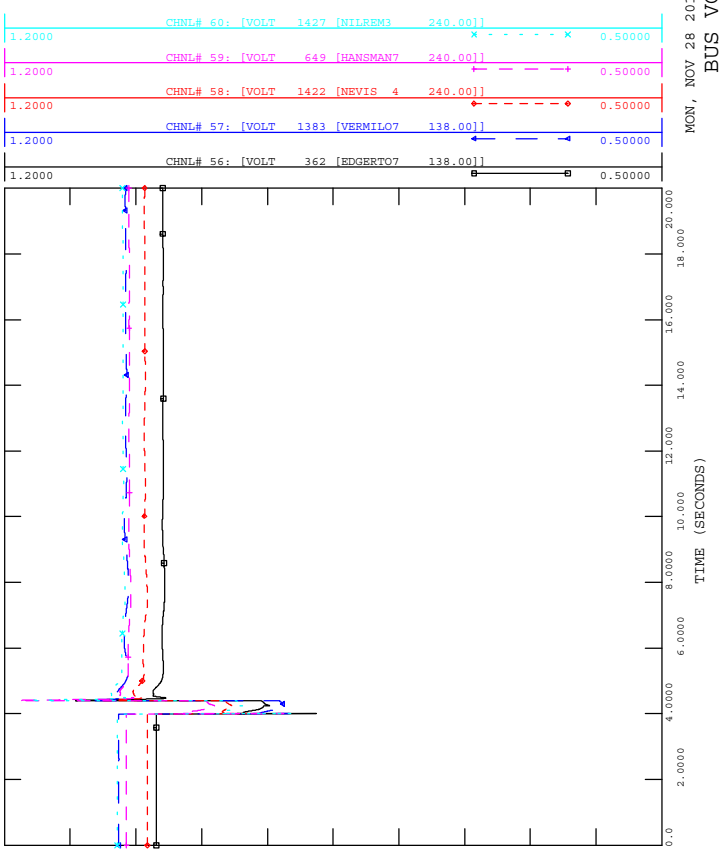
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: NEED_2021_SL_CASE03/9L80_S912_757S-Battle River.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:49
LINE POWER


NEED_2021_SL_CASE03
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: NEED_2021_SL_CASE03/9L80_S912_757S-Battle River.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -701L_S707_757S-BATTLE RIVER

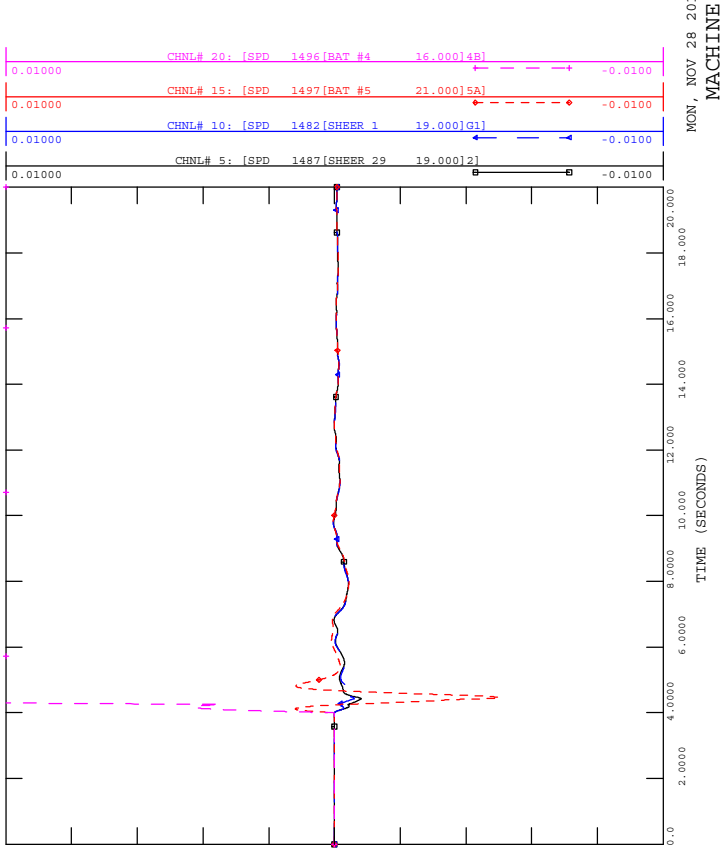
FILE: NEED_2021_SL_CASE03/701L_S707_757S-Battle River.out



MON, NOV 28 2016 23:49
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -701L_S707_757S-BATTLE RIVER

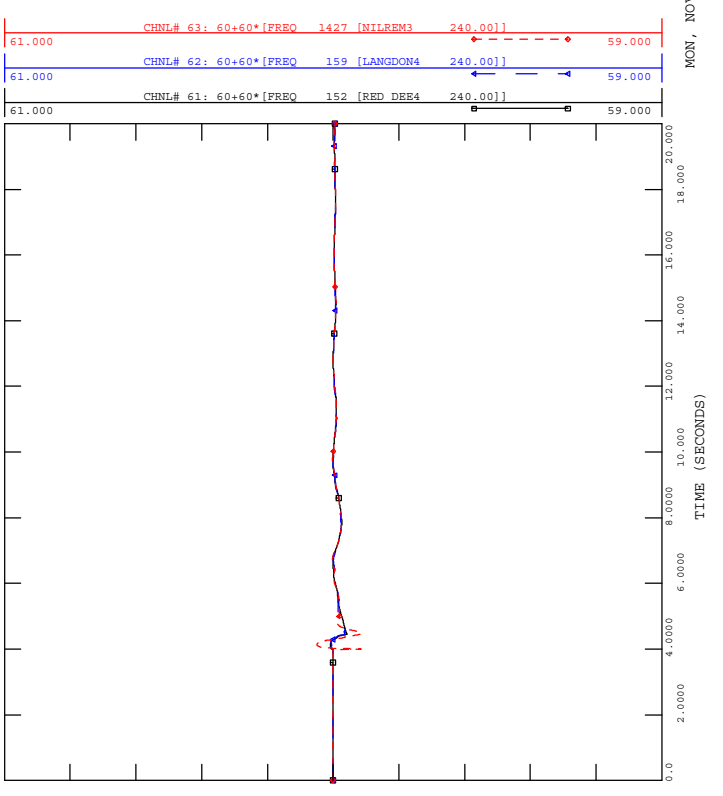
FILE: NEED_2021_SL_CASE03/701L_S707_757S-Battle River.out



MON, NOV 28 2016 23:49
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -701L_S707_757S-BATTLE RIVER

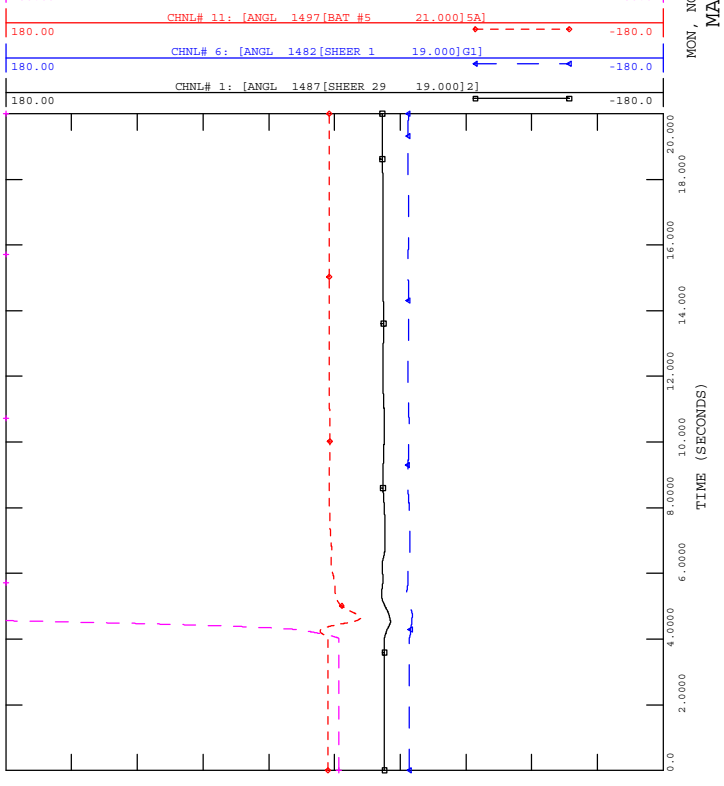
FILE: NEED_2021_SL_CASE03/701L_S707_757S-Battle River.out



MON, NOV 28 2016 23:49
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -701L_S707_757S-BATTLE RIVER

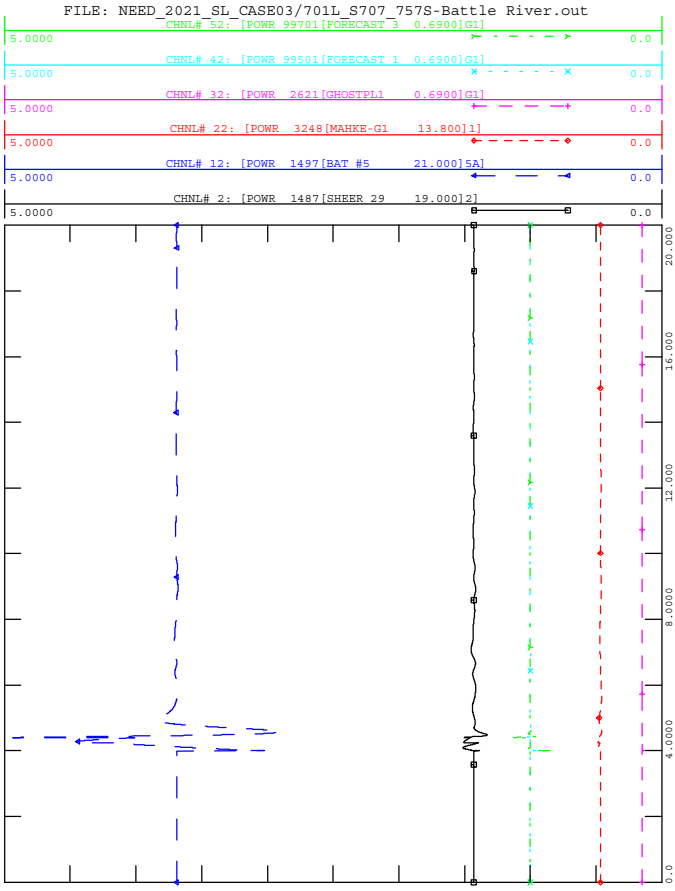
FILE: NEED_2021_SL_CASE03/701L_S707_757S-Battle River.out



MON, NOV 28 2016 23:49
MACHINE ANGEL

NEED_2021_SL_CASE03
C7-SLG -701L_S707_757S-BATTLE RIVER

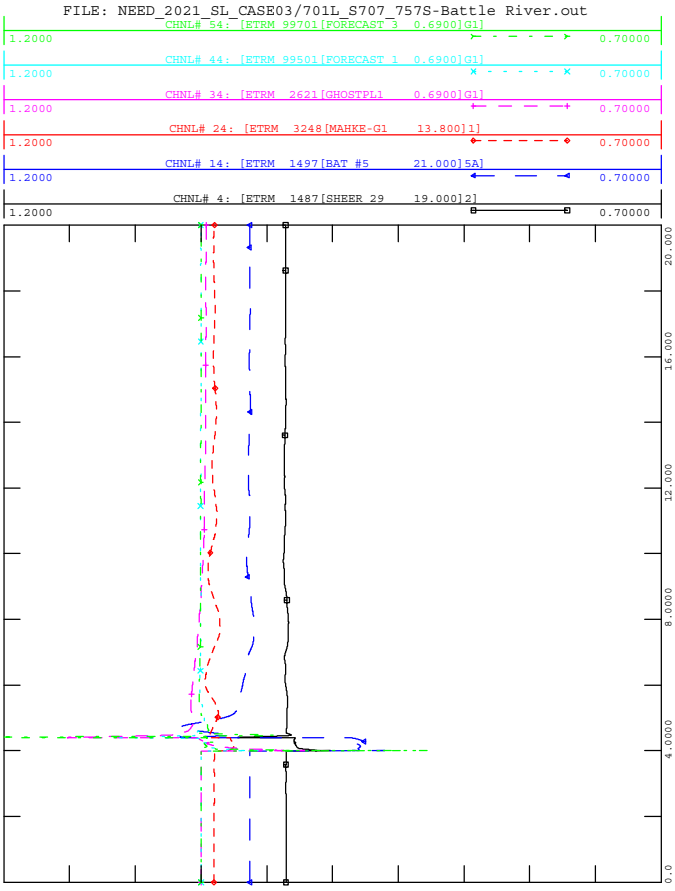
FILE: NEED_2021_SL_CASE03/701L_S707_757S-Battle River.out



MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -701L_S707_757S-BATTLE RIVER

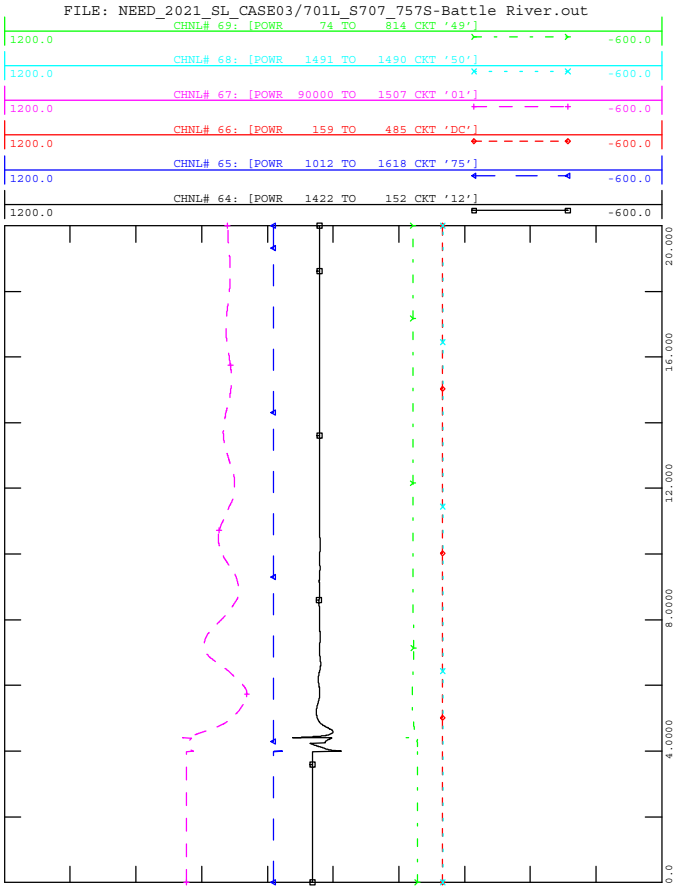
FILE: NEED_2021_SL_CASE03/701L_S707_757S-Battle River.out



MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
C7-SLG -701L_S707_757S-BATTLE RIVER

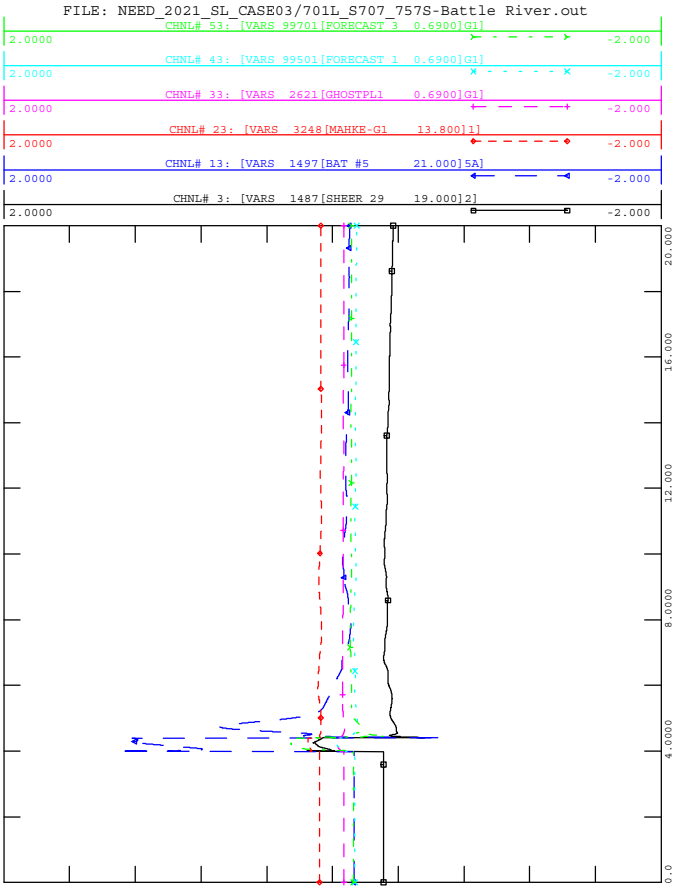
FILE: NEED_2021_SL_CASE03/701L_S707_757S-Battle River.out



MON, NOV 28 2016 23:49
LINE POWER

NEED_2021_SL_CASE03
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/701L_S707_757S-Battle River.out



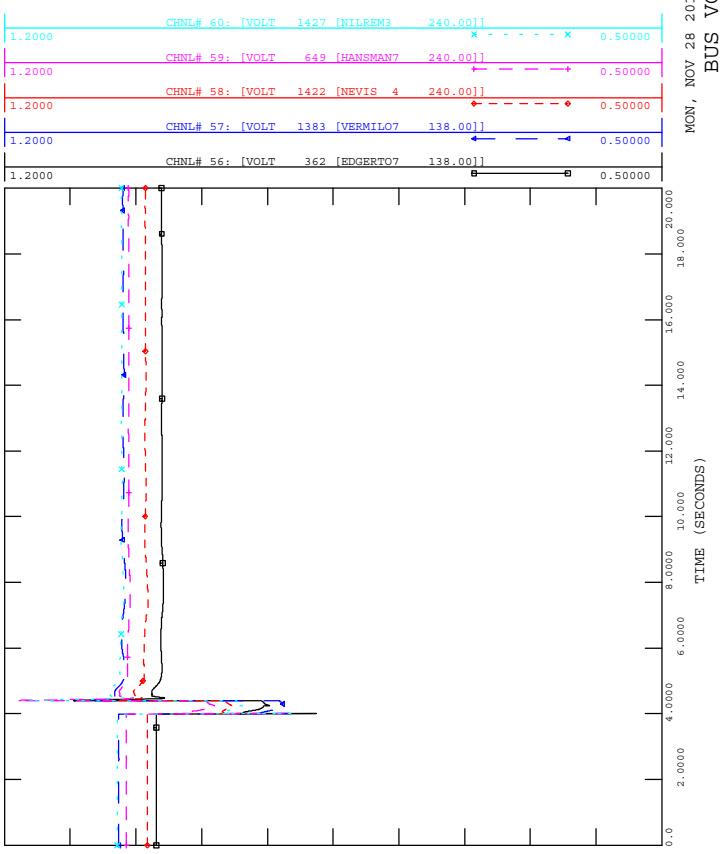
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/702L_S708_757S-Battle River.out

MON, NOV 28 2016 23:49

BUS VOLTAGE

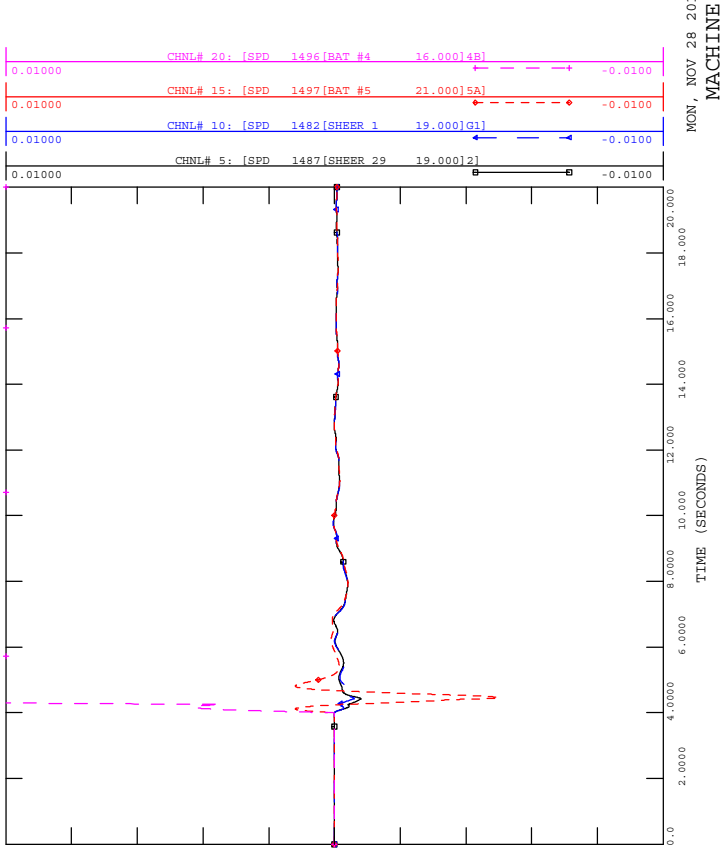


NEED_2021_SL_CASE03
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/702L_S708_757S-Battle River.out

MON, NOV 28 2016 23:49

MACHINE SPEED

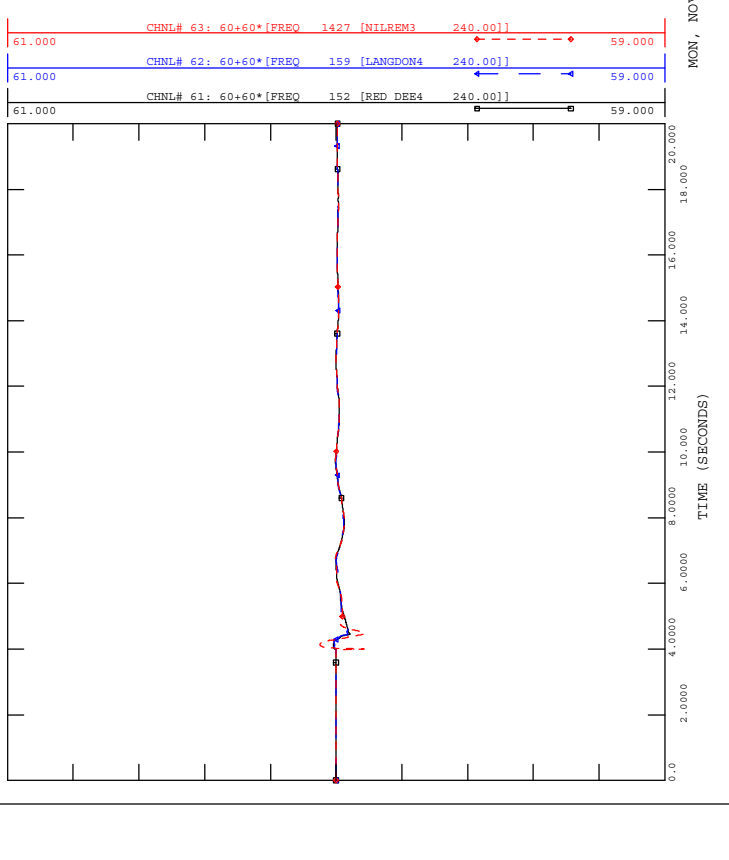


NEED_2021_SL_CASE03
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/702L_S708_757S-Battle River.out

MON, NOV 28 2016 23:49

FREQUENCY

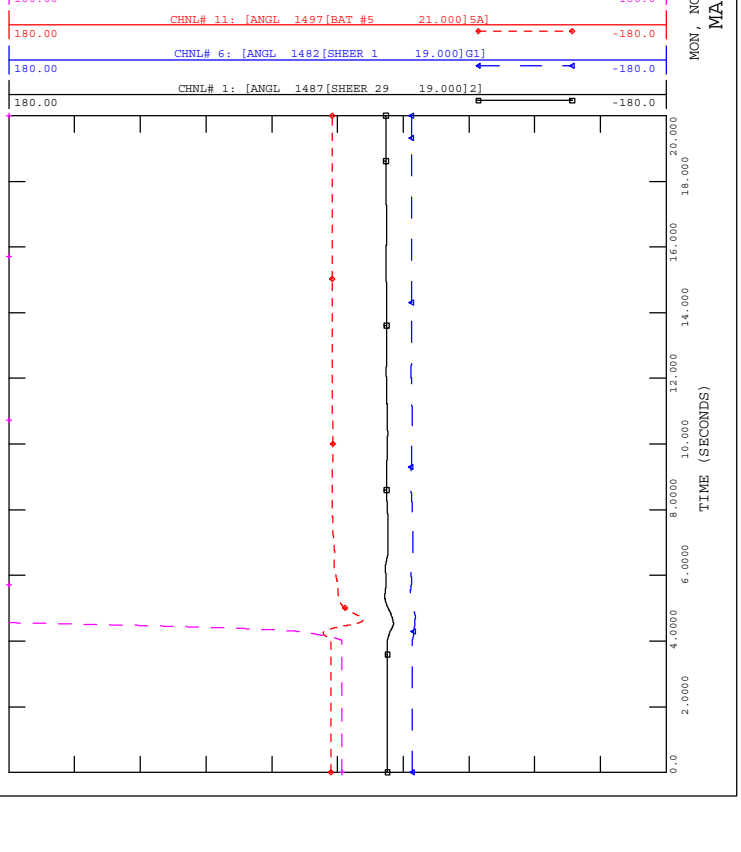


NEED_2021_SL_CASE03
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/702L_S708_757S-Battle River.out

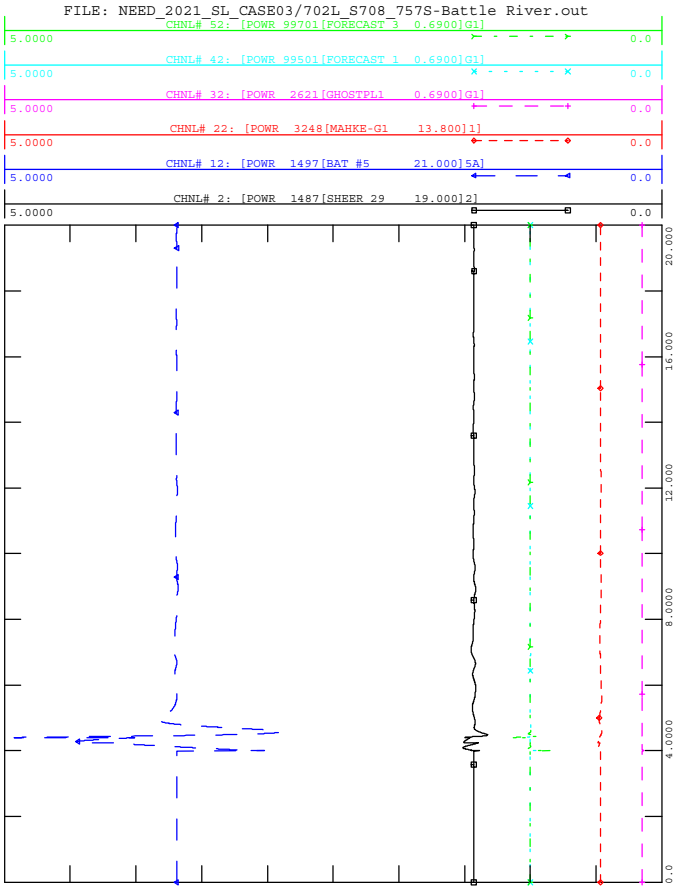
MON, NOV 28 2016 23:49

MACHINE ANGEL



NEED_2021_SL_CASE03
C7-SLG -702L_S708_757S-BATTLE RIVER

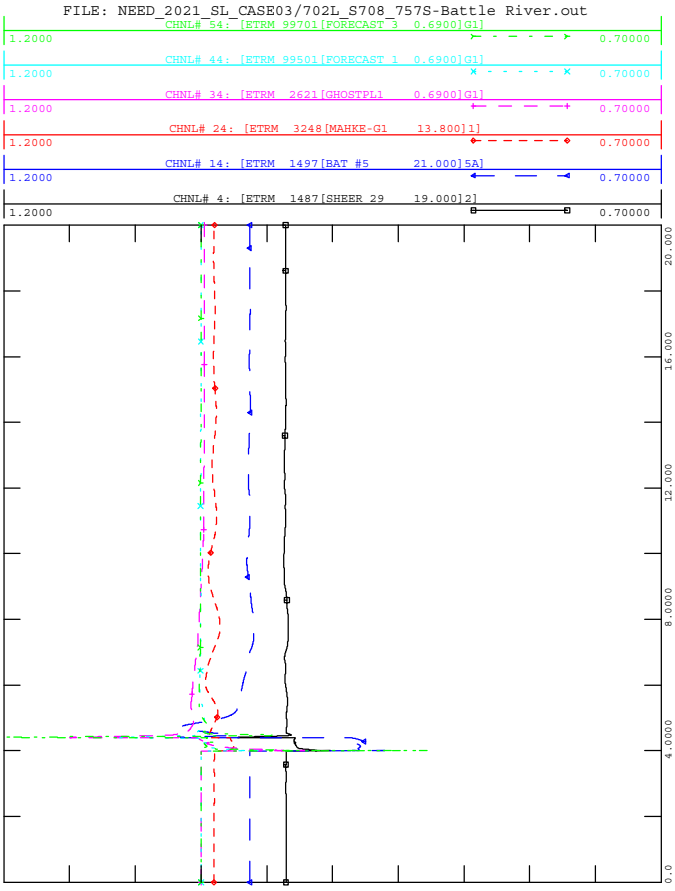
FILE: NEED_2021_SL_CASE03/702L_S708_757S-Battle River.out



MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -702L_S708_757S-BATTLE RIVER

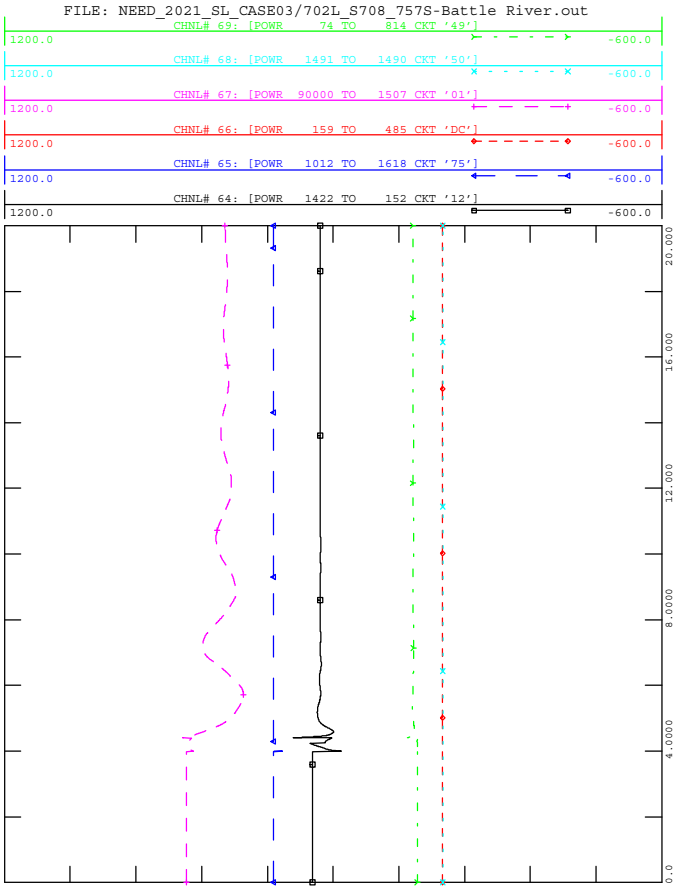
FILE: NEED_2021_SL_CASE03/702L_S708_757S-Battle River.out



MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
C7-SLG -702L_S708_757S-BATTLE RIVER

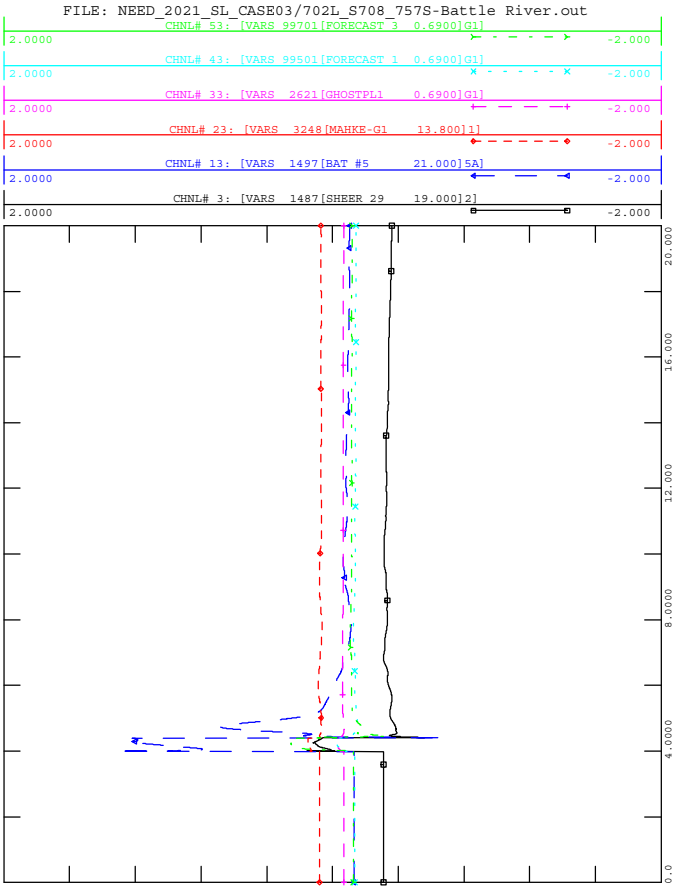
FILE: NEED_2021_SL_CASE03/702L_S708_757S-Battle River.out



MON, NOV 28 2016 23:49
LINE POWER

NEED_2021_SL_CASE03
C7-SLG -702L_S708_757S-BATTLE RIVER

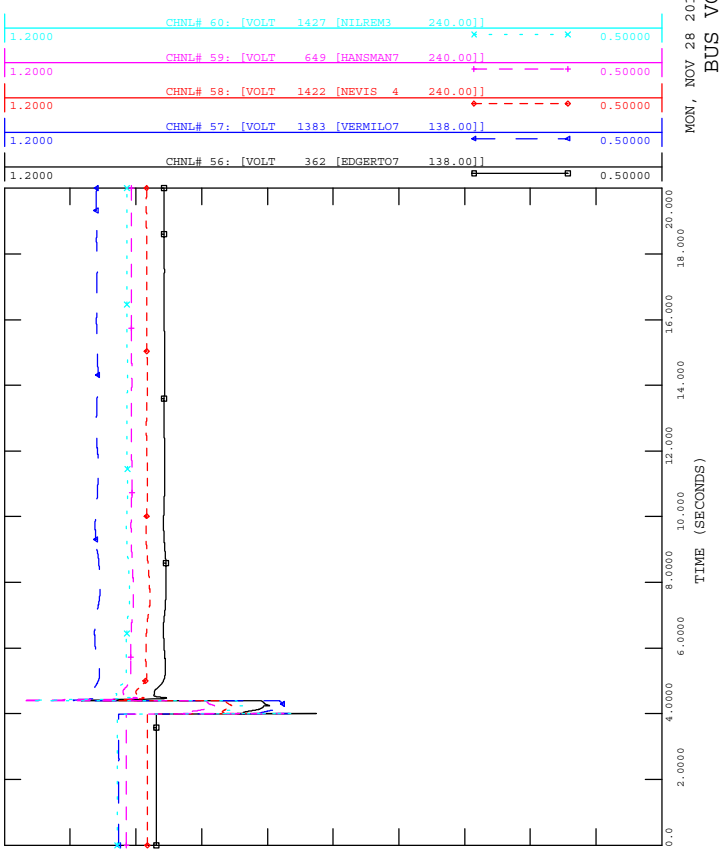
FILE: NEED_2021_SL_CASE03/702L_S708_757S-Battle River.out



MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

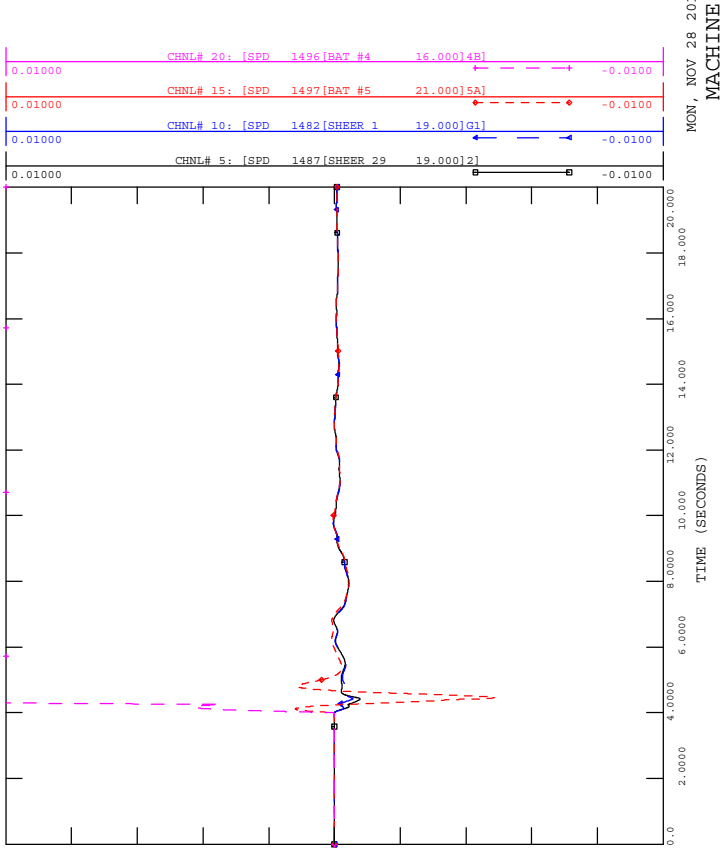
NEED_2021_SL_CASE03
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/7L50_S709_757S-Battle River.out



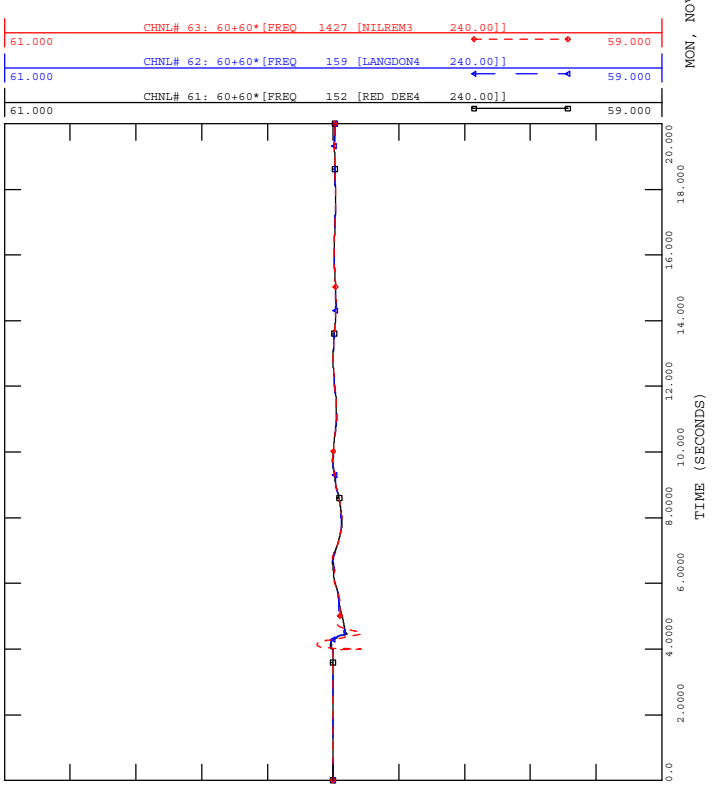
NEED_2021_SL_CASE03
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/7L50_S709_757S-Battle River.out



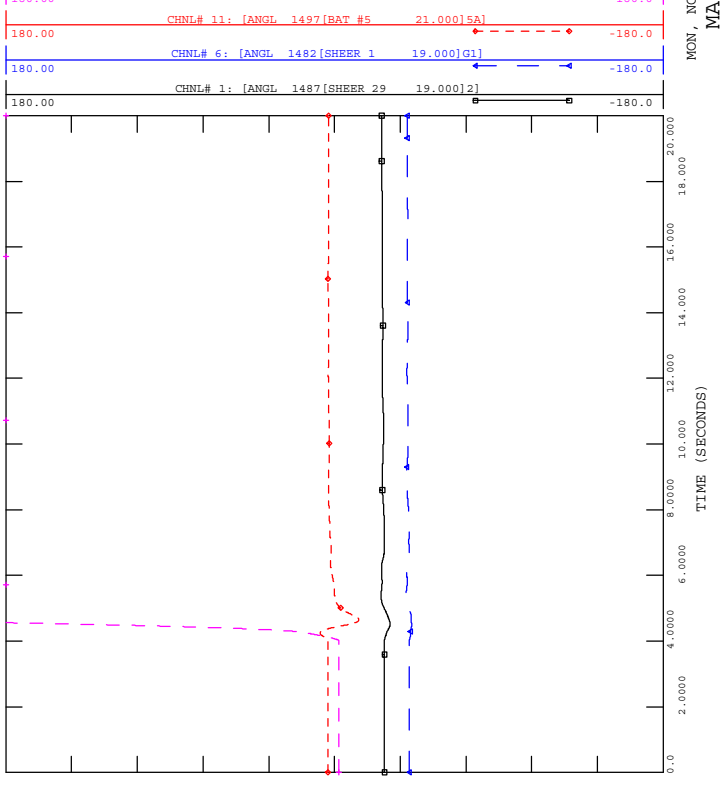
NEED_2021_SL_CASE03
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/7L50_S709_757S-Battle River.out



NEED_2021_SL_CASE03
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/7L50_S709_757S-Battle River.out



NEED_2021_SL_CASE03
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/7L50_S709_757S-Battle River.out

MON, NOV 28 2016 23:49

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/7L50_S709_757S-Battle River.out

MON, NOV 28 2016 23:49

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/7L50_S709_757S-Battle River.out

MON, NOV 28 2016 23:49

LINE POWER

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_SL_CASE03/7L50_S709_757S-Battle River.out

MON, NOV 28 2016 23:49

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

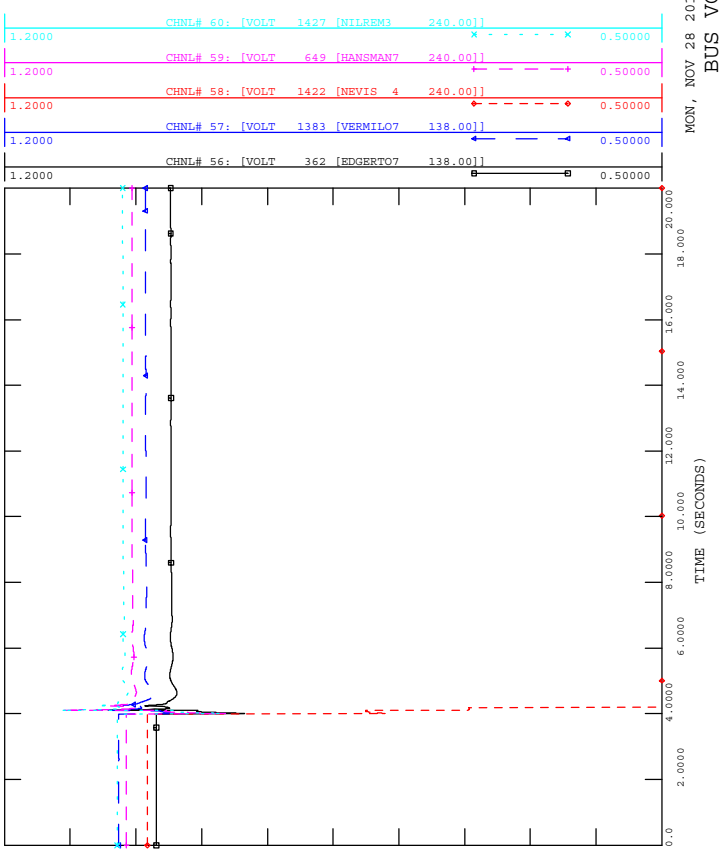
2.0000 / -2.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
C7-SLG -9L20_S901_766S-NEVIS

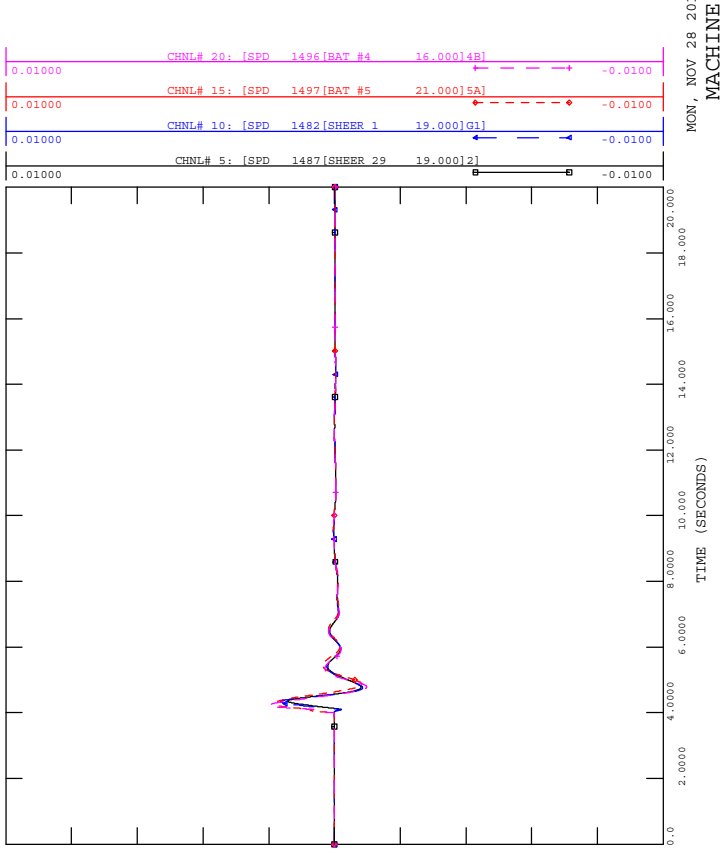
FILE: NEED_2021_SL_CASE03/9L20_S901_766S-Nevis.out



MON, NOV 28 2016 23:49
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L20_S901_766S-NEVIS

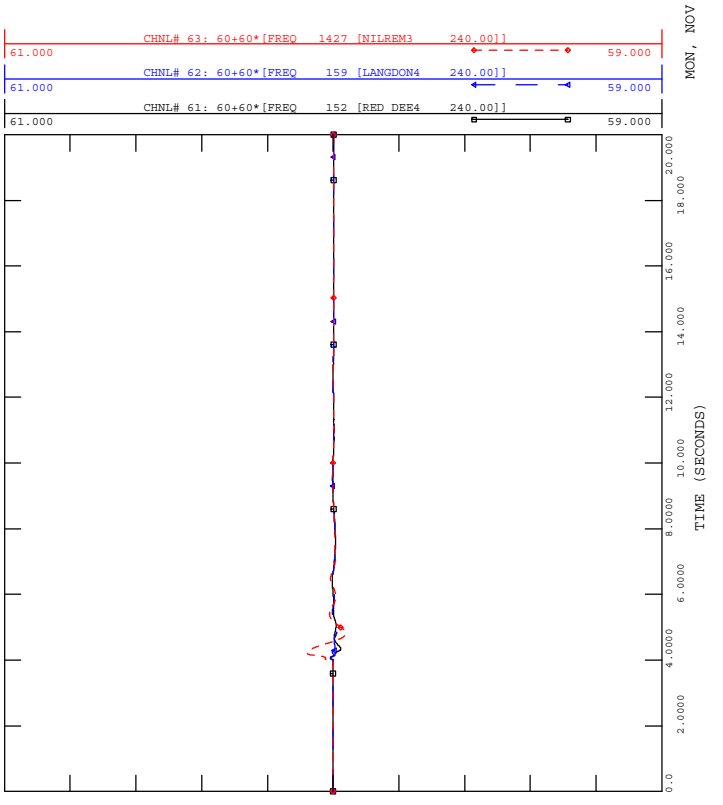
FILE: NEED_2021_SL_CASE03/9L20_S901_766S-Nevis.out



MON, NOV 28 2016 23:49
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L20_S901_766S-NEVIS

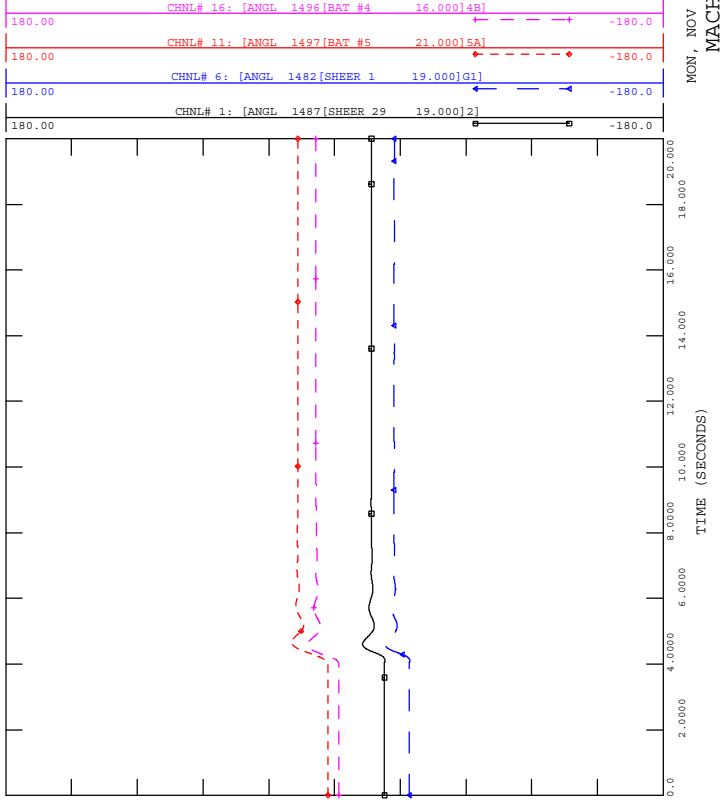
FILE: NEED_2021_SL_CASE03/9L20_S901_766S-Nevis.out



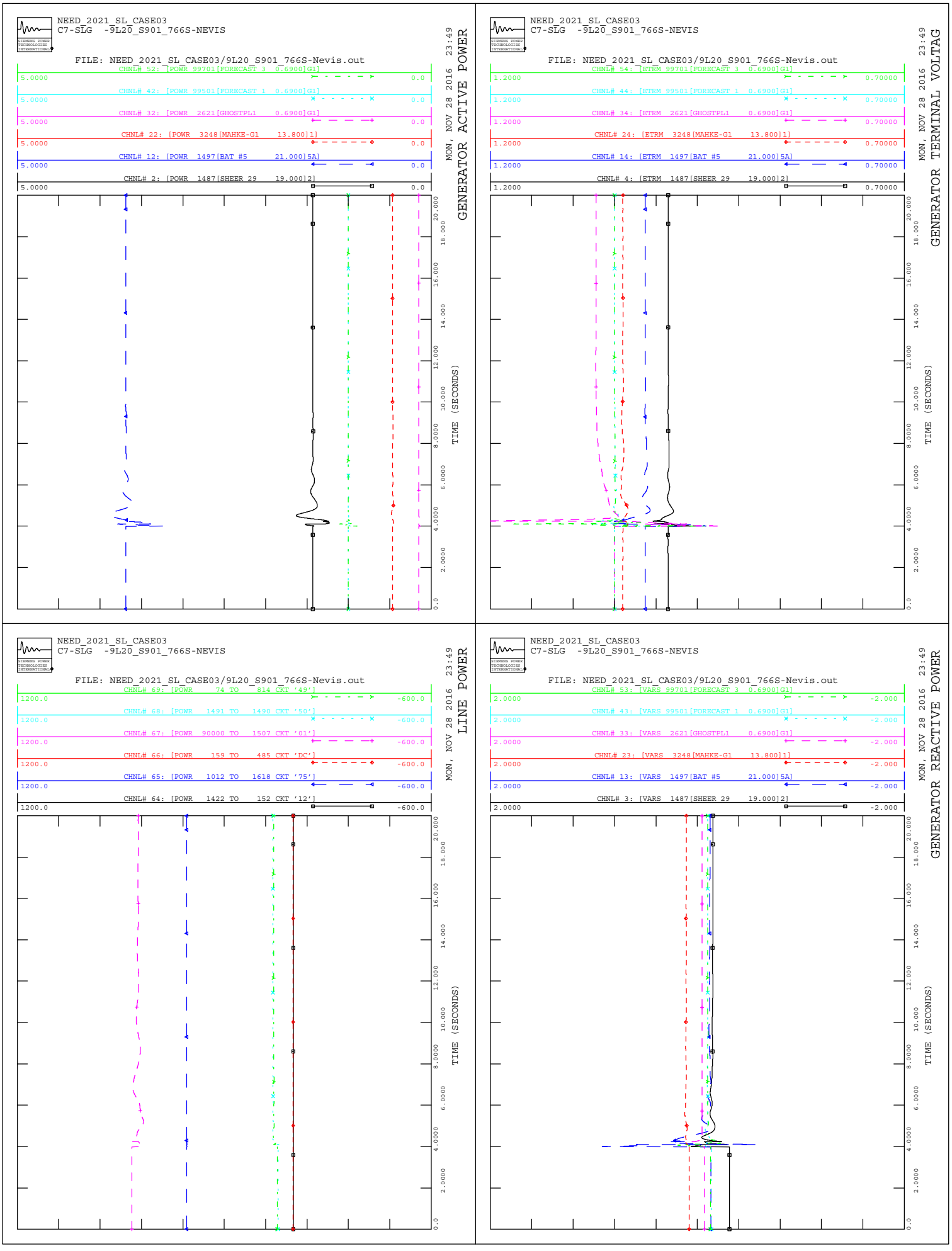
MON, NOV 28 2016 23:49
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -9L20_S901_766S-NEVIS

FILE: NEED_2021_SL_CASE03/9L20_S901_766S-Nevis.out

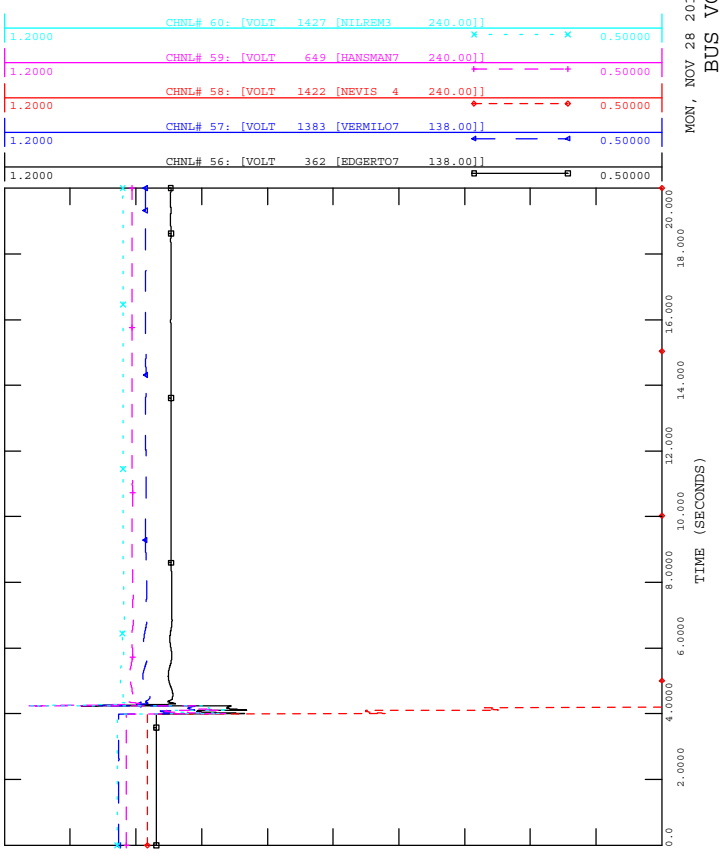


MON, NOV 28 2016 23:49
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -9L20_S901_766S-NEVIS
FILE: NEED_2021_SL_CASE03/9L20_S901_766S-Nevis.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -9L20_S901_766S-NEVIS
FILE: NEED_2021_SL_CASE03/9L20_S901_766S-Nevis.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -9L20_S901_766S-NEVIS
FILE: NEED_2021_SL_CASE03/9L20_S901_766S-Nevis.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 28 2016 23:49
LINE POWER
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -9L20_S901_766S-NEVIS
FILE: NEED_2021_SL_CASE03/9L20_S901_766S-Nevis.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
C7-SLG -9L912_S902_766S-NEVIS

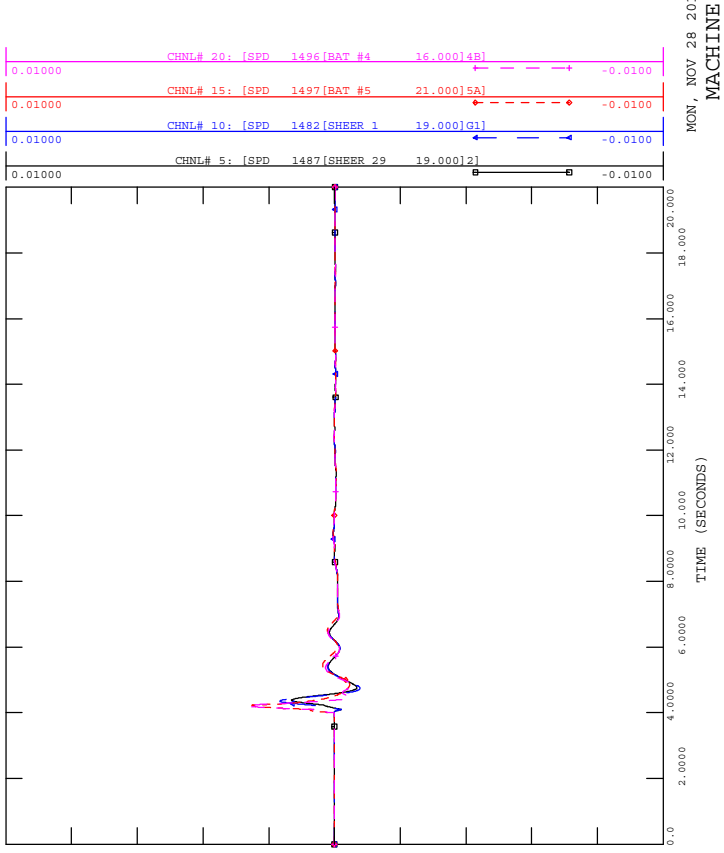
FILE: NEED_2021_SL_CASE03/9L912_S902_766S-Nevis.out



MON, NOV 28 2016 23:49
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L912_S902_766S-NEVIS

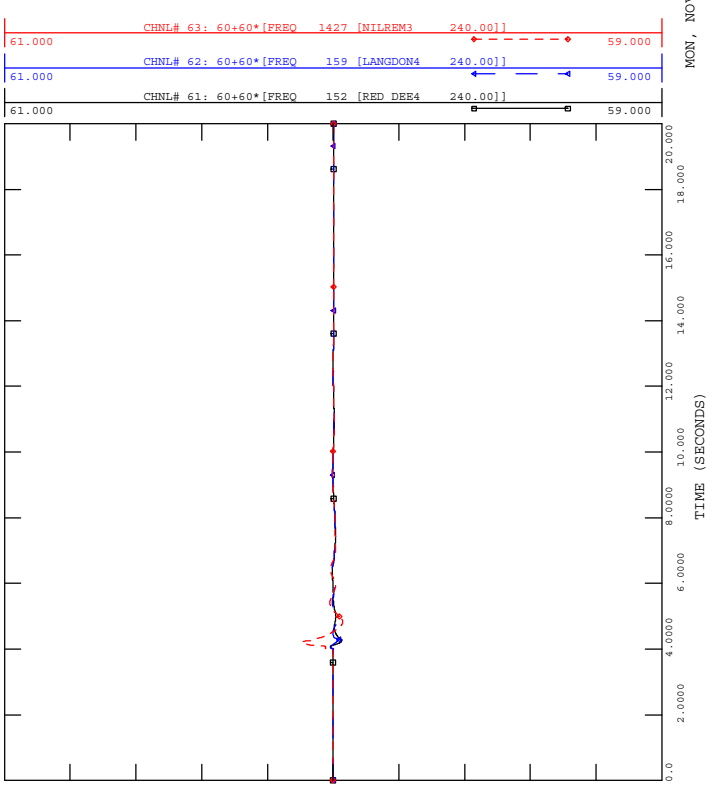
FILE: NEED_2021_SL_CASE03/9L912_S902_766S-Nevis.out



MON, NOV 28 2016 23:49
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L912_S902_766S-NEVIS

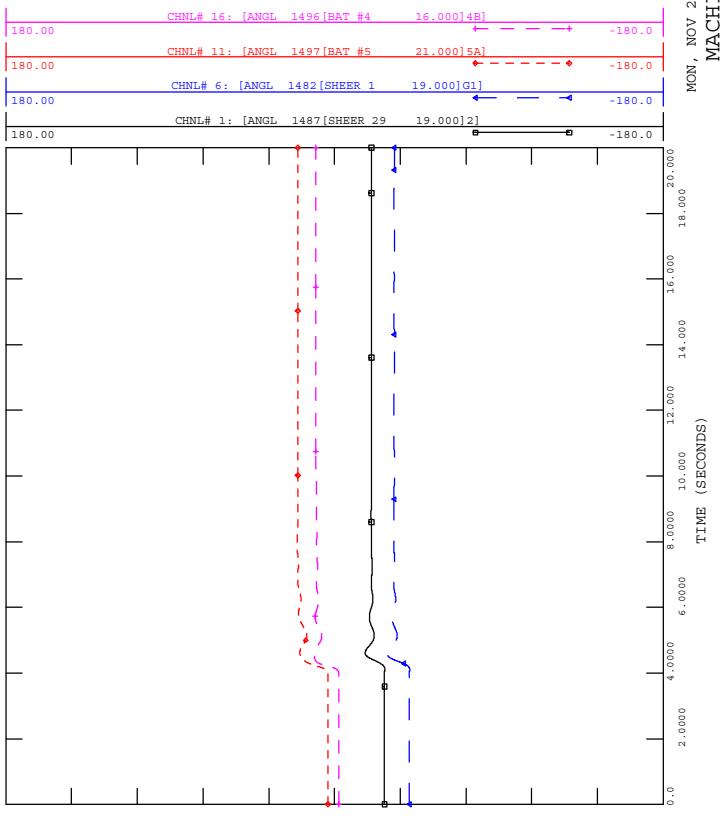
FILE: NEED_2021_SL_CASE03/9L912_S902_766S-Nevis.out



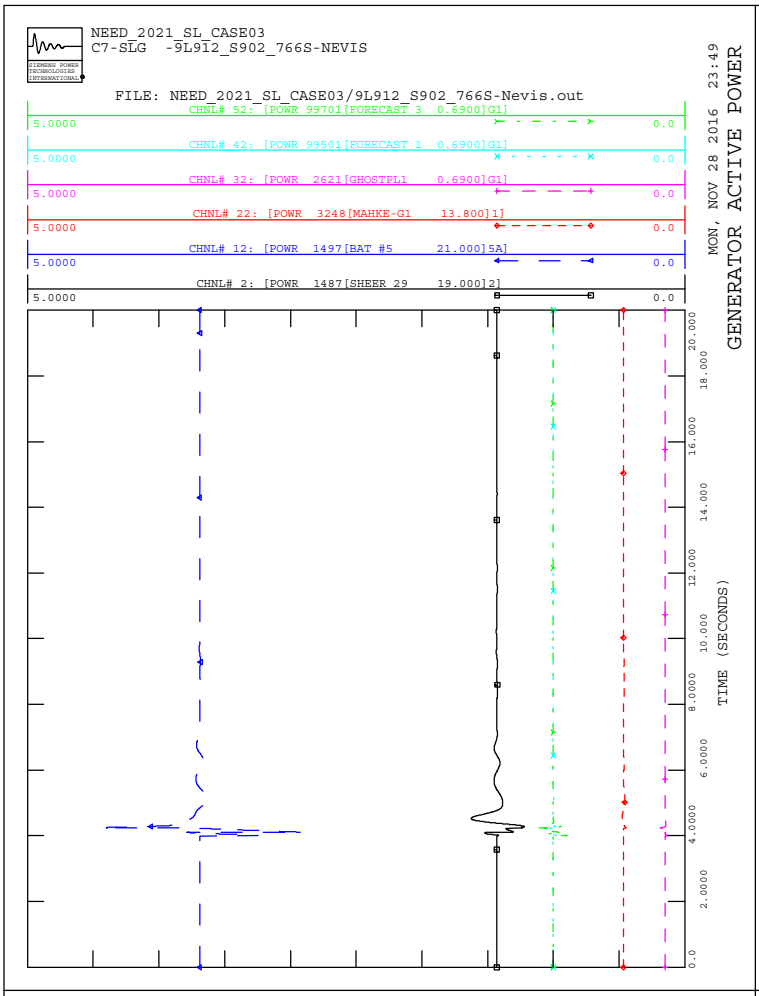
MON, NOV 28 2016 23:49
FREQUENCY

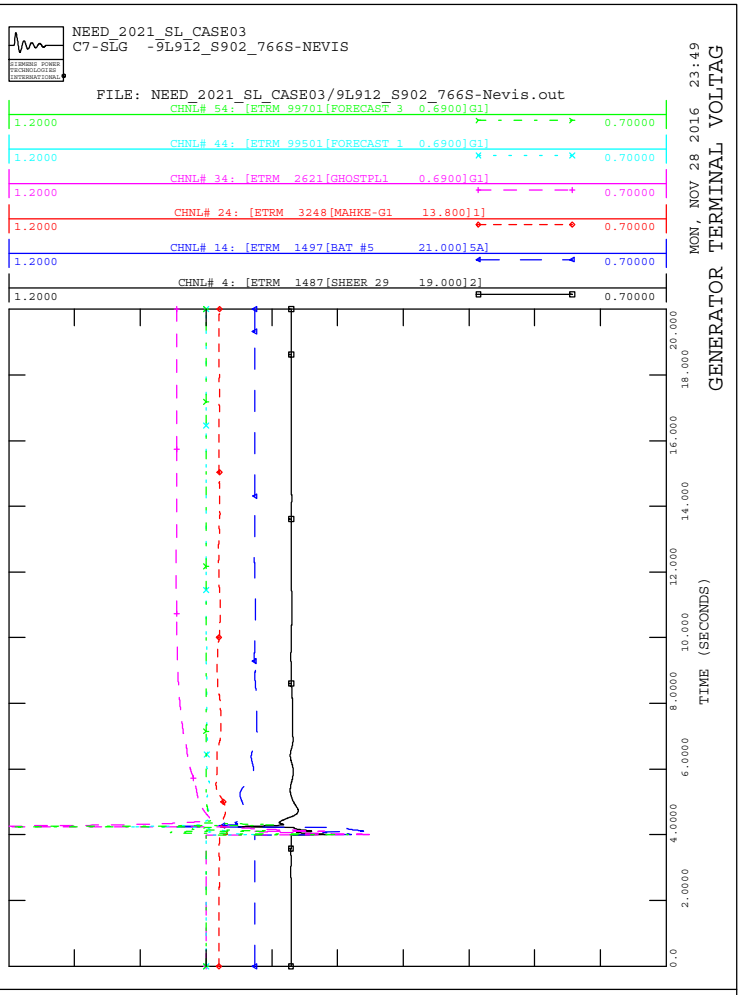
NEED_2021_SL_CASE03
C7-SLG -9L912_S902_766S-NEVIS

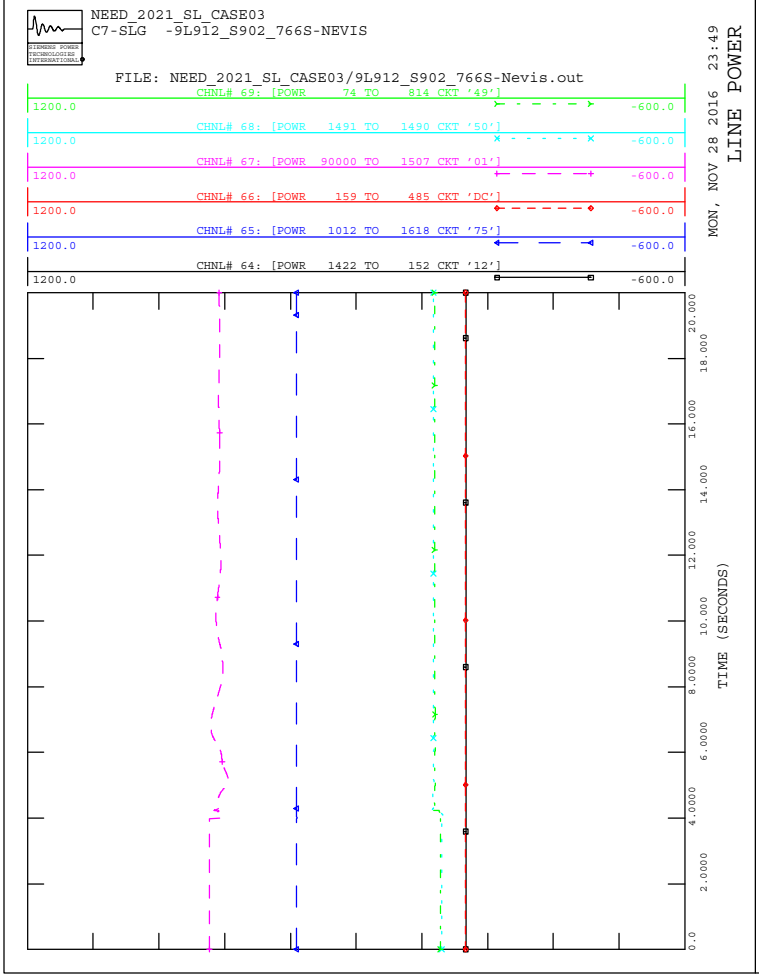
FILE: NEED_2021_SL_CASE03/9L912_S902_766S-Nevis.out



MON, NOV 28 2016 23:49
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -9L912_S902_766S-NEVIS
FILE: NEED_2021_SL_CASE03/9L912_S902_766S-Nevis.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -9L912_S902_766S-NEVIS
FILE: NEED_2021_SL_CASE03/9L912_S902_766S-Nevis.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -9L912_S902_766S-NEVIS
FILE: NEED_2021_SL_CASE03/9L912_S902_766S-Nevis.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
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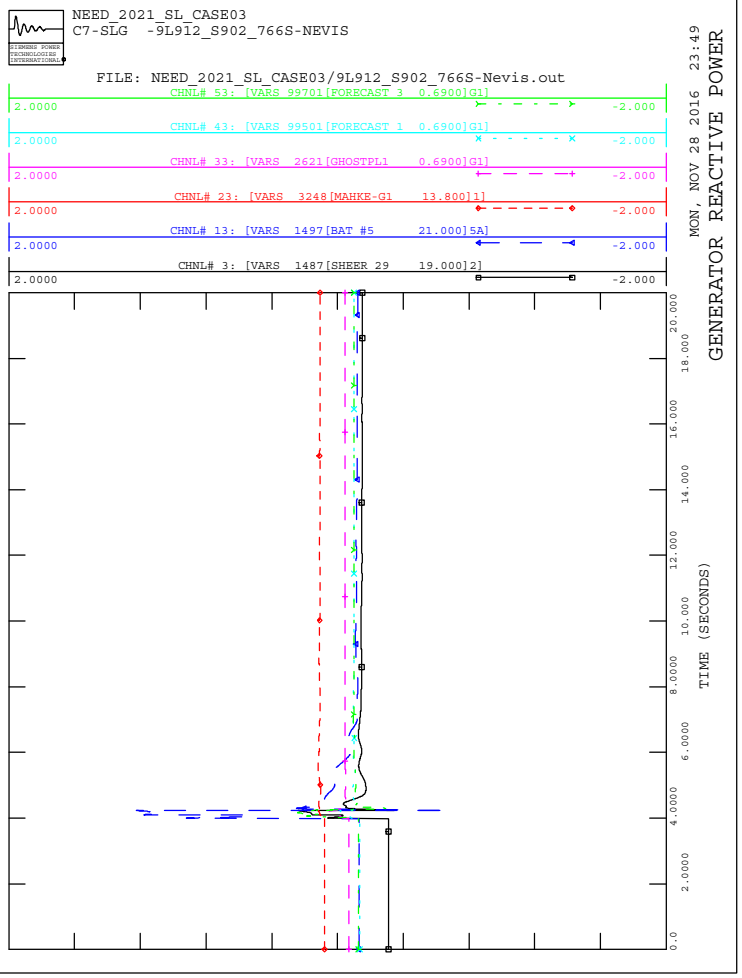
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:49
LINE POWER

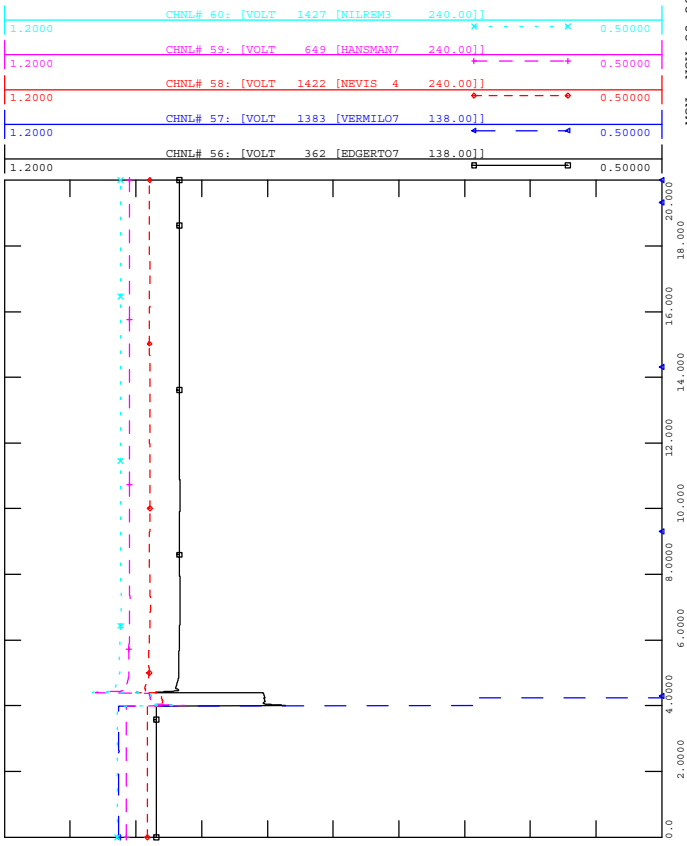

NEED_2021_SL_CASE03
C7-SLG -9L912_S902_766S-NEVIS
FILE: NEED_2021_SL_CASE03/9L912_S902_766S-Nevis.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -7L65_S703_710S-VERMILLION

FILE: NEED_2021_SL_CASE03/7L65_S703_710S-Vermillion.out

MON, NOV 28 2016 23:49

BUS VOLTAGE

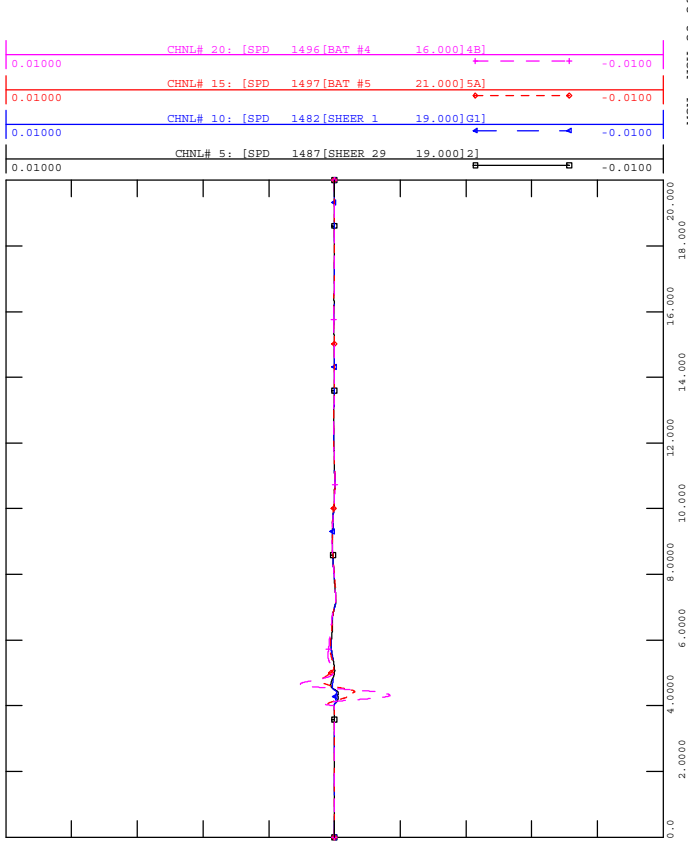


NEED_2021_SL_CASE03
C7-SLG -7L65_S703_710S-VERMILLION

FILE: NEED_2021_SL_CASE03/7L65_S703_710S-Vermillion.out

MON, NOV 28 2016 23:49

MACHINE SPEED

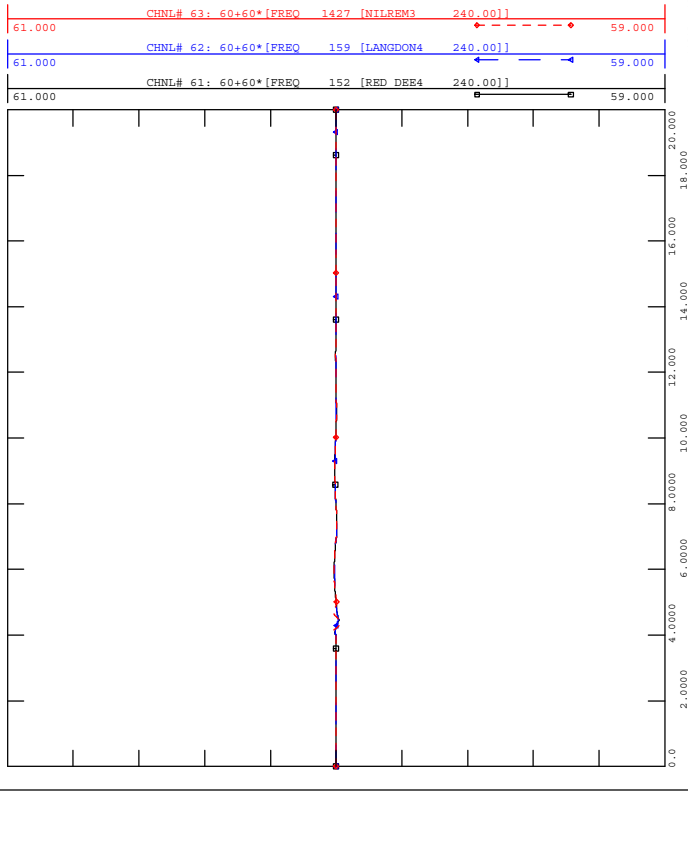


NEED_2021_SL_CASE03
C7-SLG -7L65_S703_710S-VERMILLION

FILE: NEED_2021_SL_CASE03/7L65_S703_710S-Vermillion.out

MON, NOV 28 2016 23:49

FREQUENCY

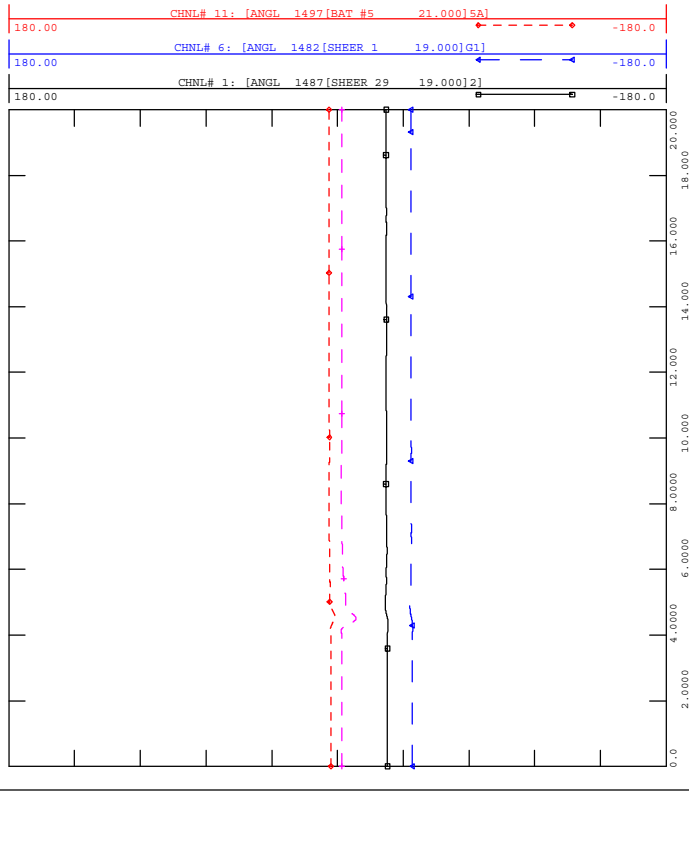


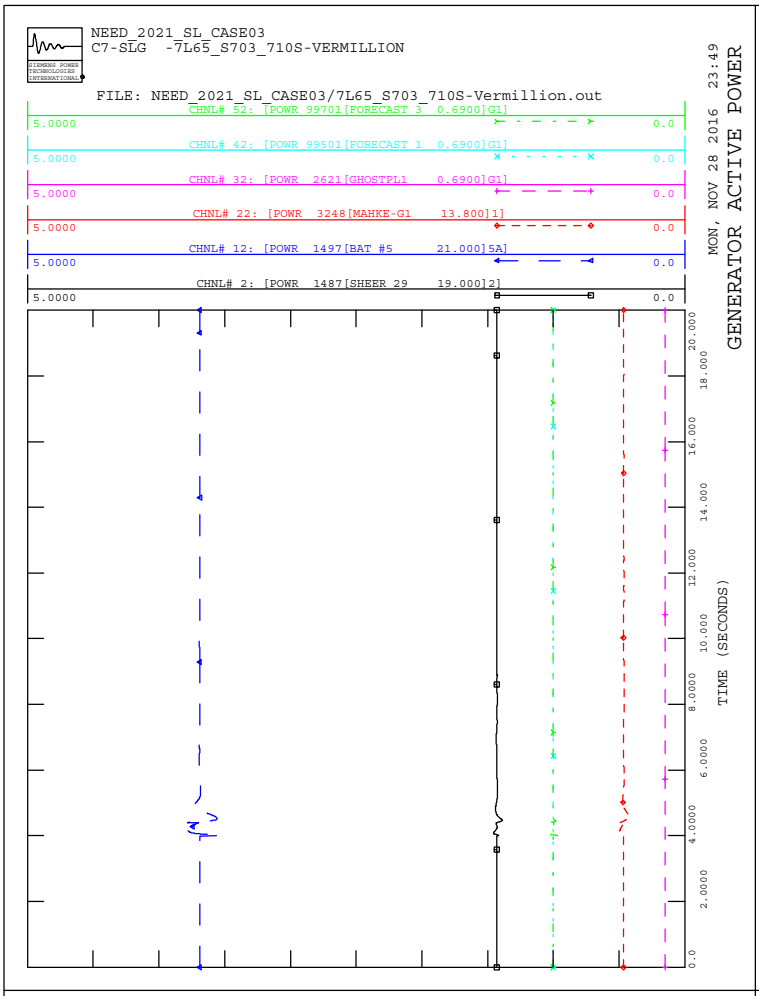
NEED_2021_SL_CASE03
C7-SLG -7L65_S703_710S-VERMILLION

FILE: NEED_2021_SL_CASE03/7L65_S703_710S-Vermillion.out

MON, NOV 28 2016 23:49

MACHINE ANGEL




NEED_2021_SL_CASE03
C7-SLG -7L65_S703_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L65_S703_710S-Vermillion.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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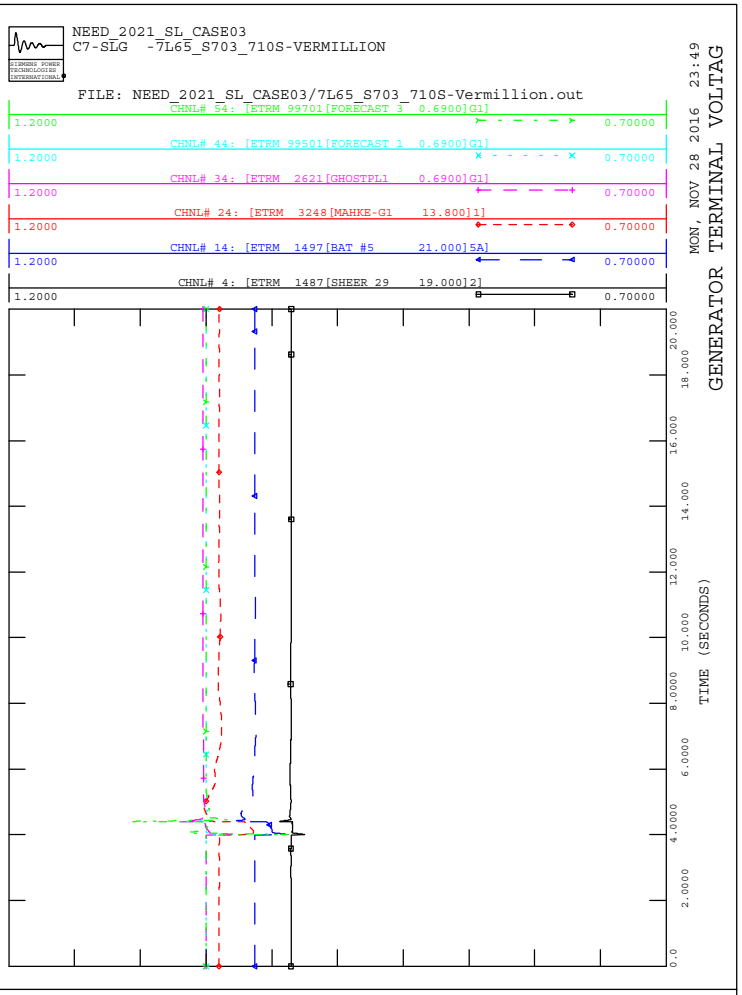
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -7L65_S703_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L65_S703_710S-Vermillion.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
6.0000
8.0000
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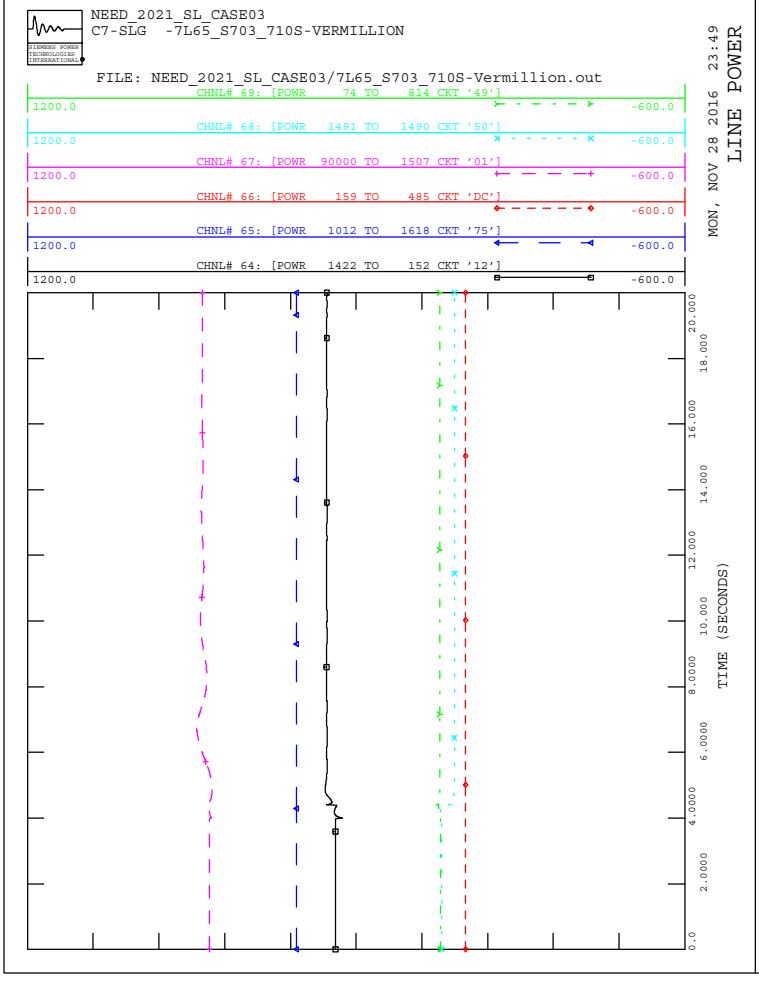
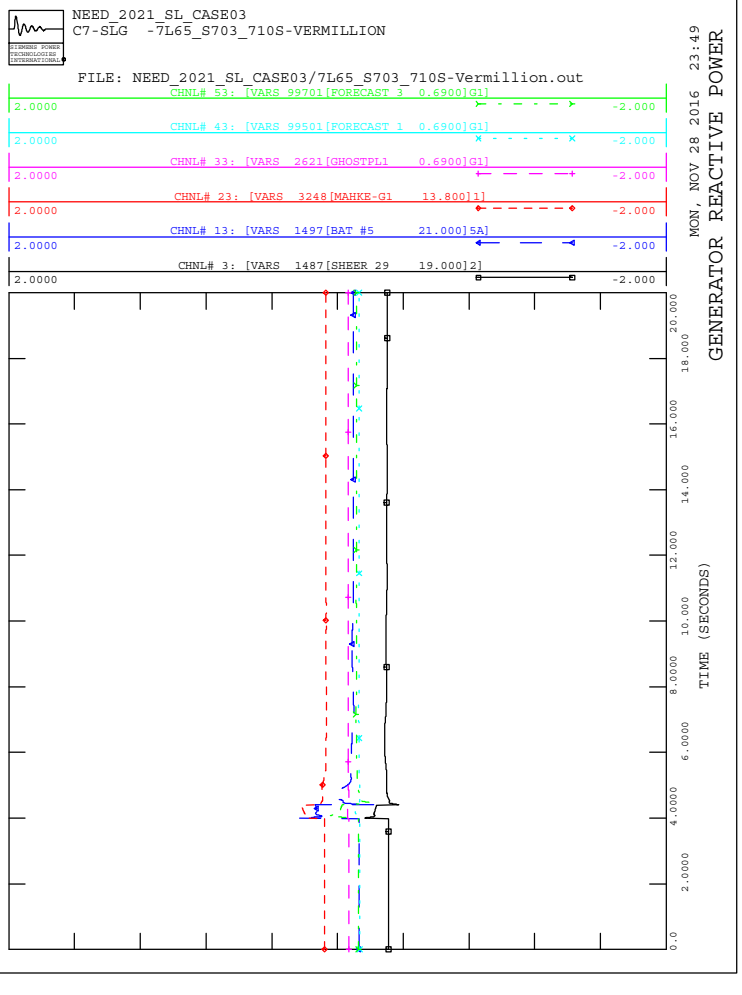
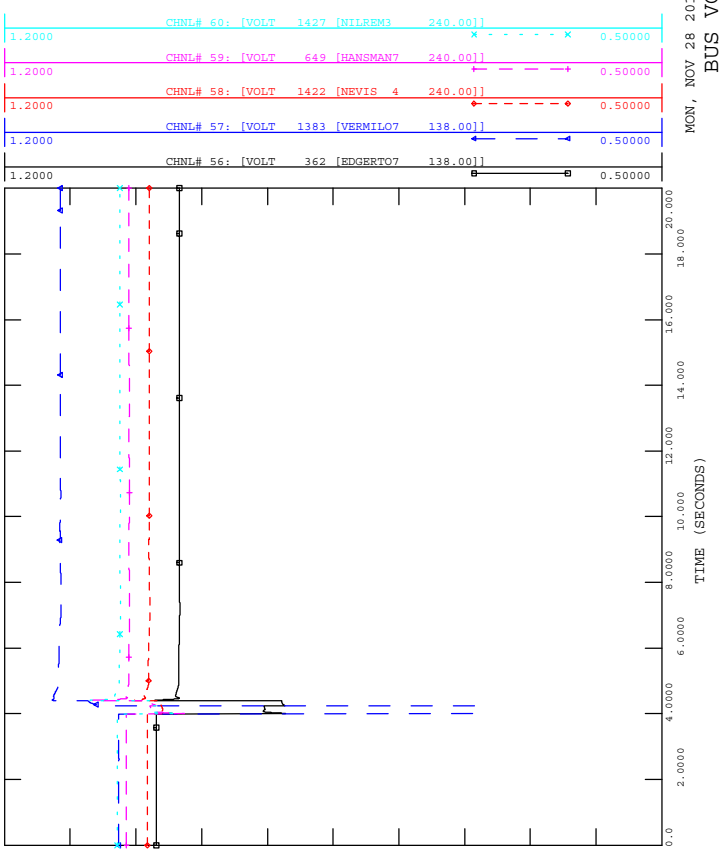
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -7L65_S703_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L65_S703_710S-Vermillion.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:49
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -7L65_S703_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L65_S703_710S-Vermillion.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

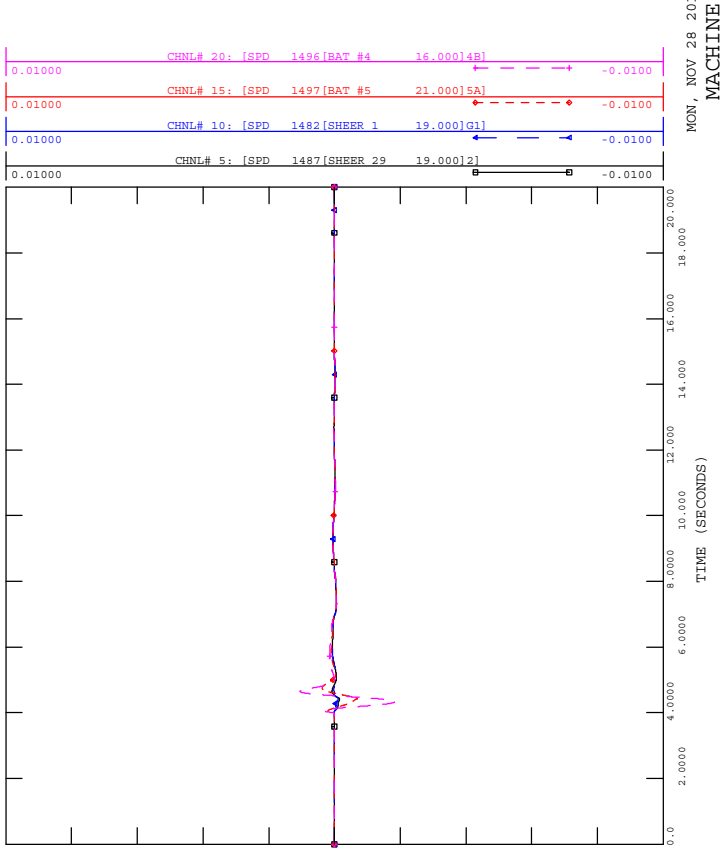
NEED_2021_SL_CASE03
C7-SLG -7L129_S704_710S-VERMILLION

FILE: NEED_2021_SL_CASE03/7L129_S704_710S-Vermillion.out



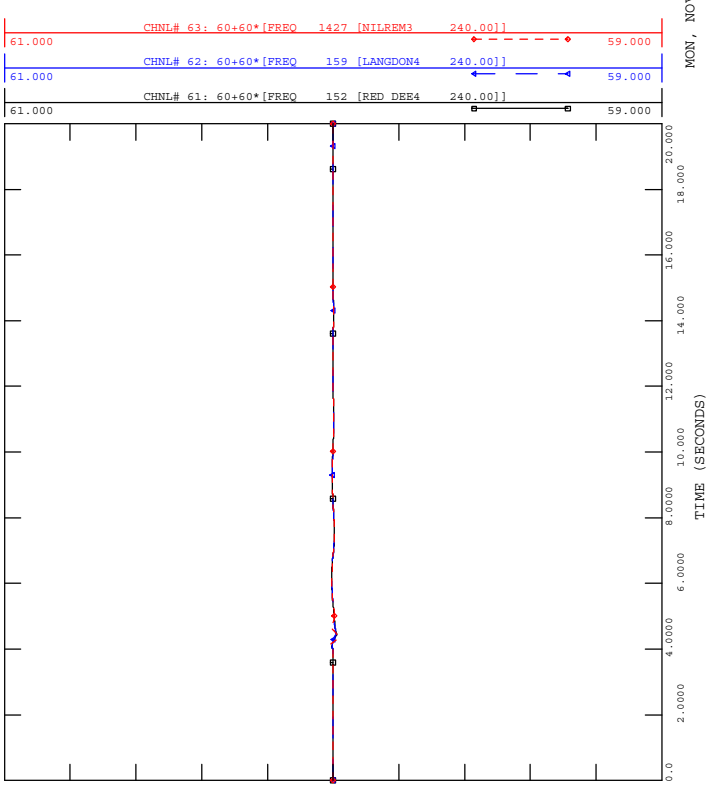
NEED_2021_SL_CASE03
C7-SLG -7L129_S704_710S-VERMILLION

FILE: NEED_2021_SL_CASE03/7L129_S704_710S-Vermillion.out



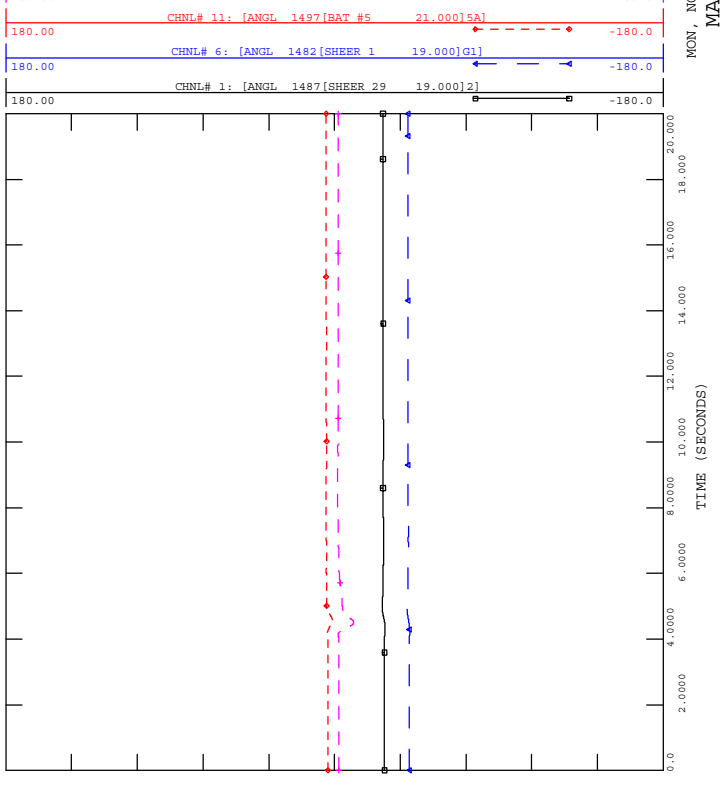
NEED_2021_SL_CASE03
C7-SLG -7L129_S704_710S-VERMILLION

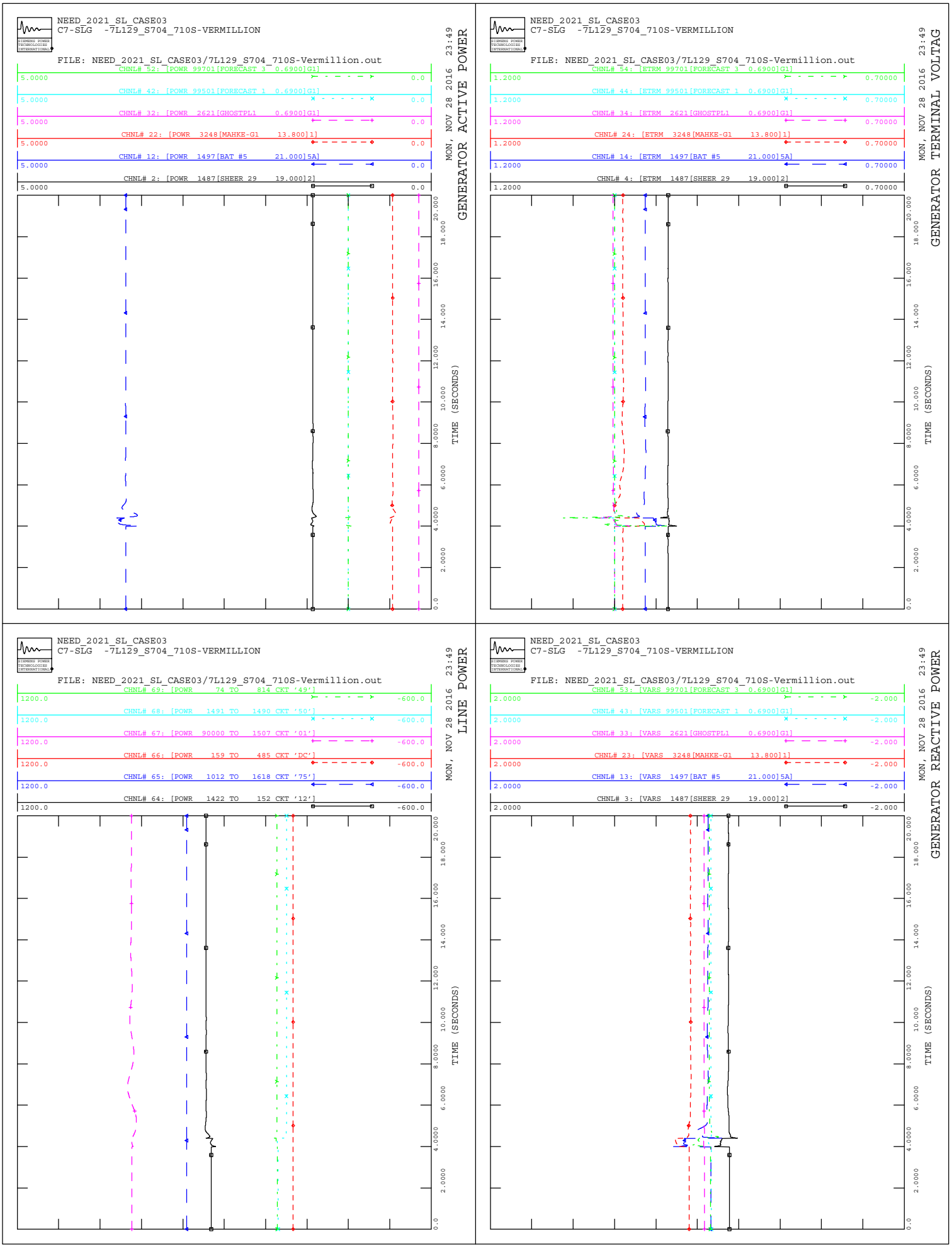
FILE: NEED_2021_SL_CASE03/7L129_S704_710S-Vermillion.out



NEED_2021_SL_CASE03
C7-SLG -7L129_S704_710S-VERMILLION

FILE: NEED_2021_SL_CASE03/7L129_S704_710S-Vermillion.out




NEED_2021_SL_CASE03
C7-SLG -7L129_S704_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L129_S704_710S-Vermillion.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -7L129_S704_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L129_S704_710S-Vermillion.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -7L129_S704_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L129_S704_710S-Vermillion.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 28 2016 23:49
LINE POWER
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -7L129_S704_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L129_S704_710S-Vermillion.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
C7-SLG -7L117_S701_710S-VERMILLION

FILE: NEED_2021_SL_CASE03/7L117_S701_710S-Vermillion.out

MON, NOV 28 2016 23:49

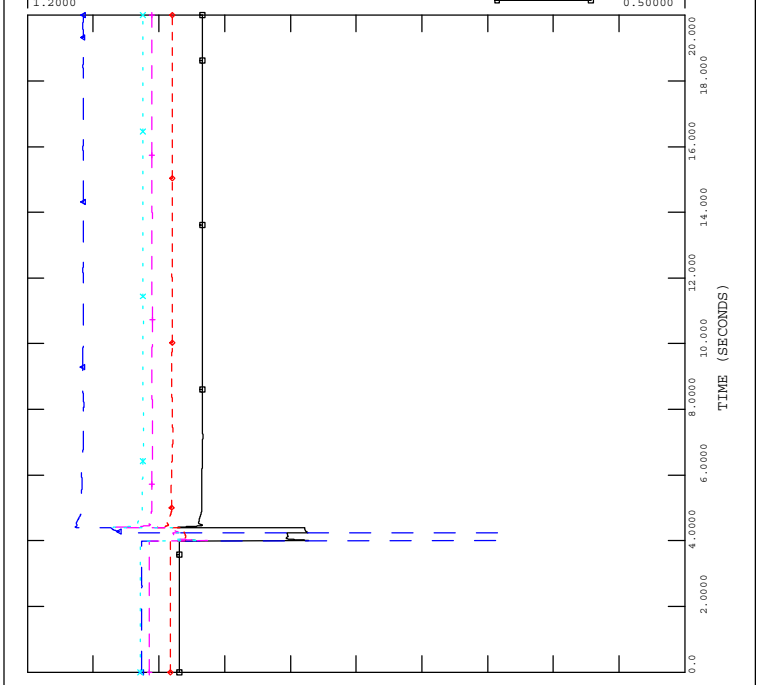
BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]

1.2000 / 0.50000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)



NEED_2021_SL_CASE03
C7-SLG -7L117_S701_710S-VERMILLION

FILE: NEED_2021_SL_CASE03/7L117_S701_710S-Vermillion.out

MON, NOV 28 2016 23:49

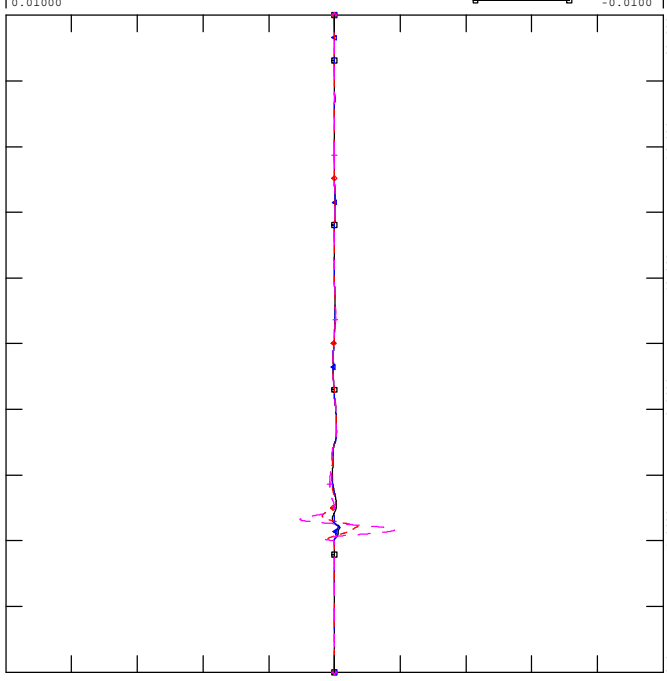
MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)



NEED_2021_SL_CASE03
C7-SLG -7L117_S701_710S-VERMILLION

FILE: NEED_2021_SL_CASE03/7L117_S701_710S-Vermillion.out

MON, NOV 28 2016 23:49

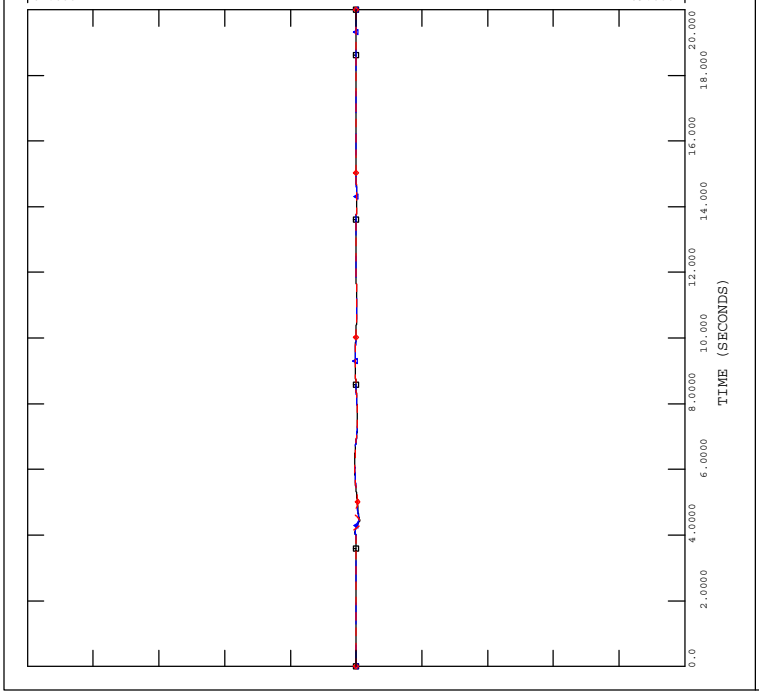
FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)



NEED_2021_SL_CASE03
C7-SLG -7L117_S701_710S-VERMILLION

FILE: NEED_2021_SL_CASE03/7L117_S701_710S-Vermillion.out

MON, NOV 28 2016 23:49

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

180.00 / -180.0

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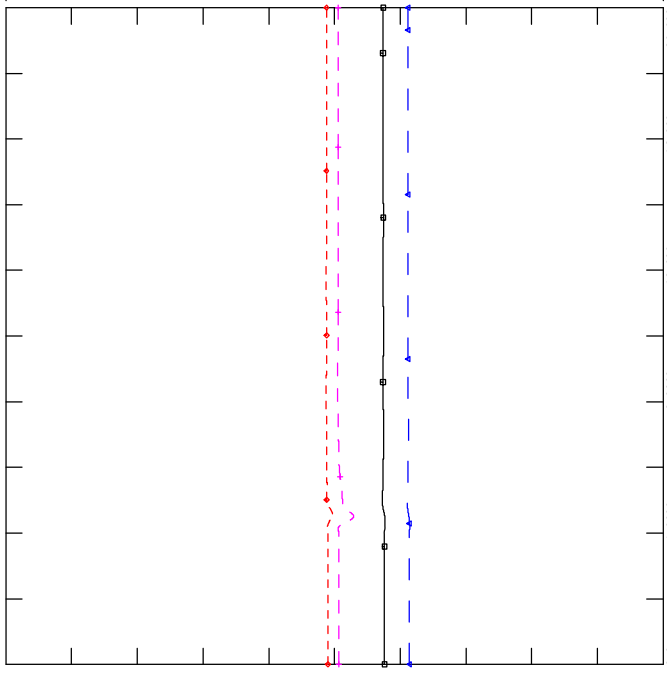
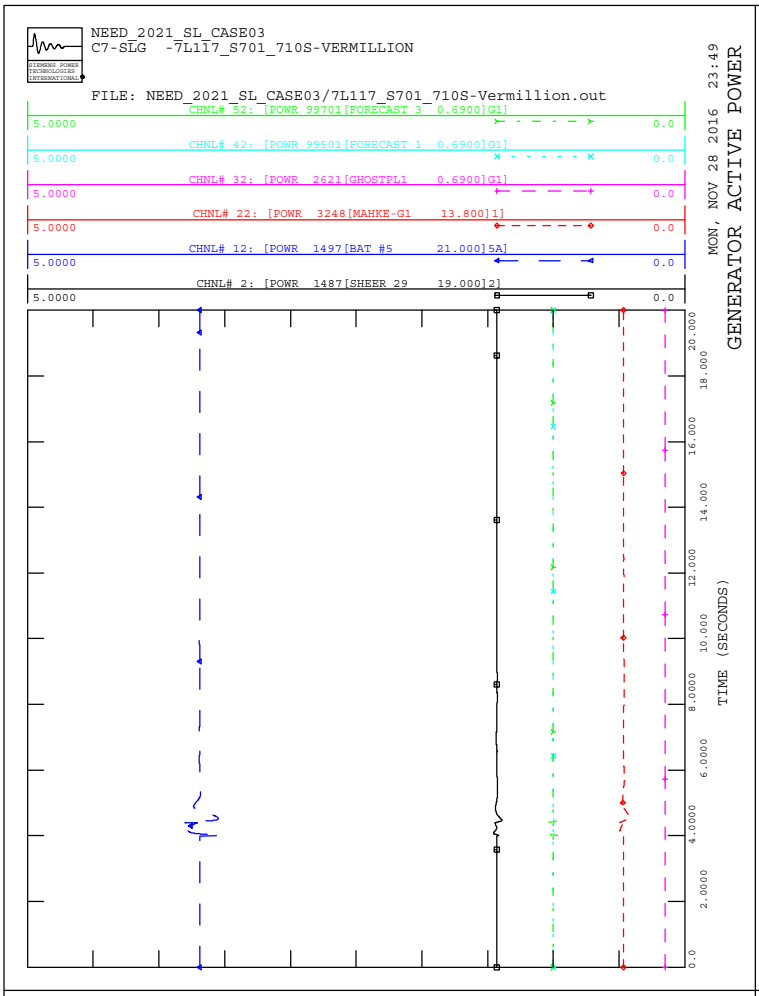
TIME (SECONDS)




NEED_2021_SL_CASE03
C7-SLG -7L117_S701_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L117_S701_710S-Vermillion.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER
TIME (SECONDS)
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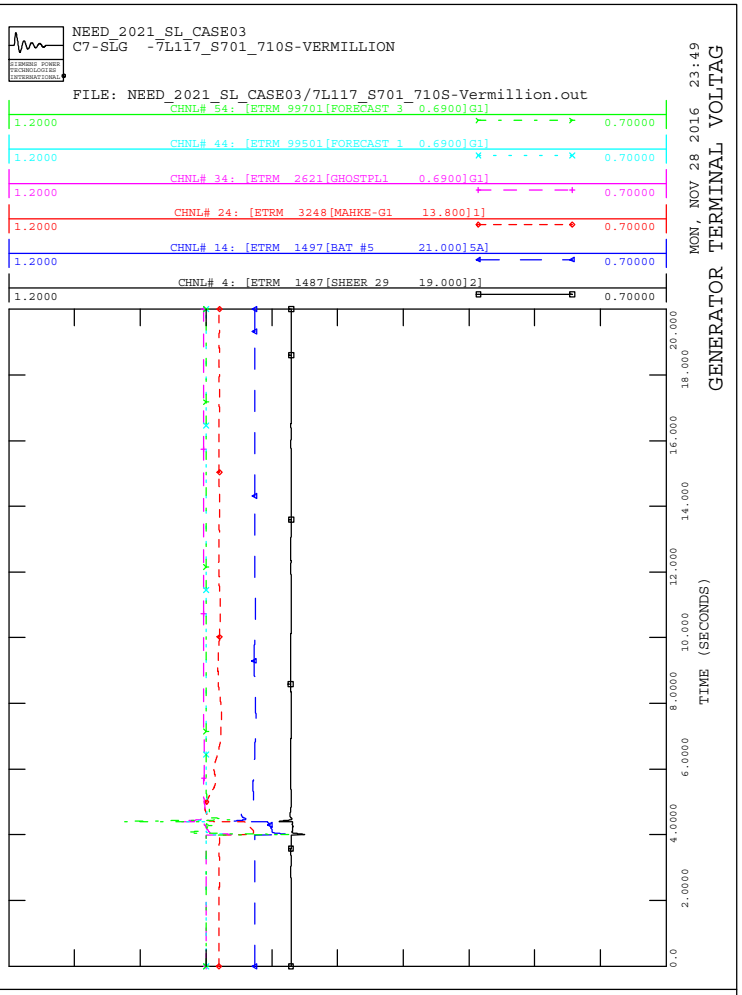
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -7L117_S701_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L117_S701_710S-Vermillion.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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12.000
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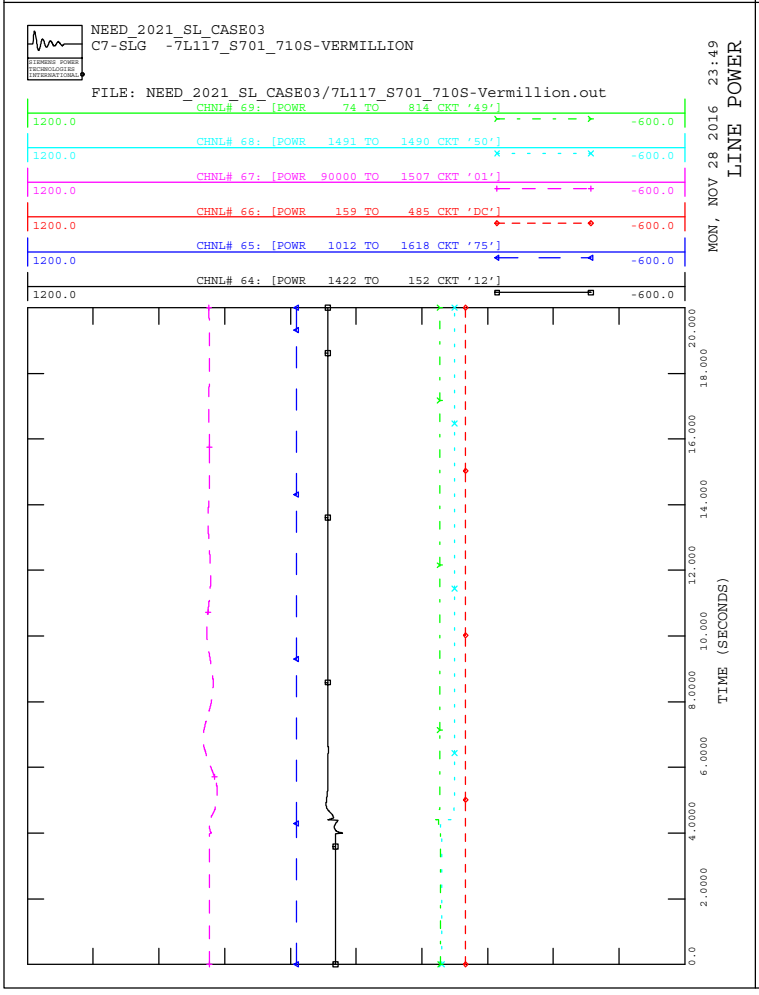
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -7L117_S701_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L117_S701_710S-Vermillion.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:49
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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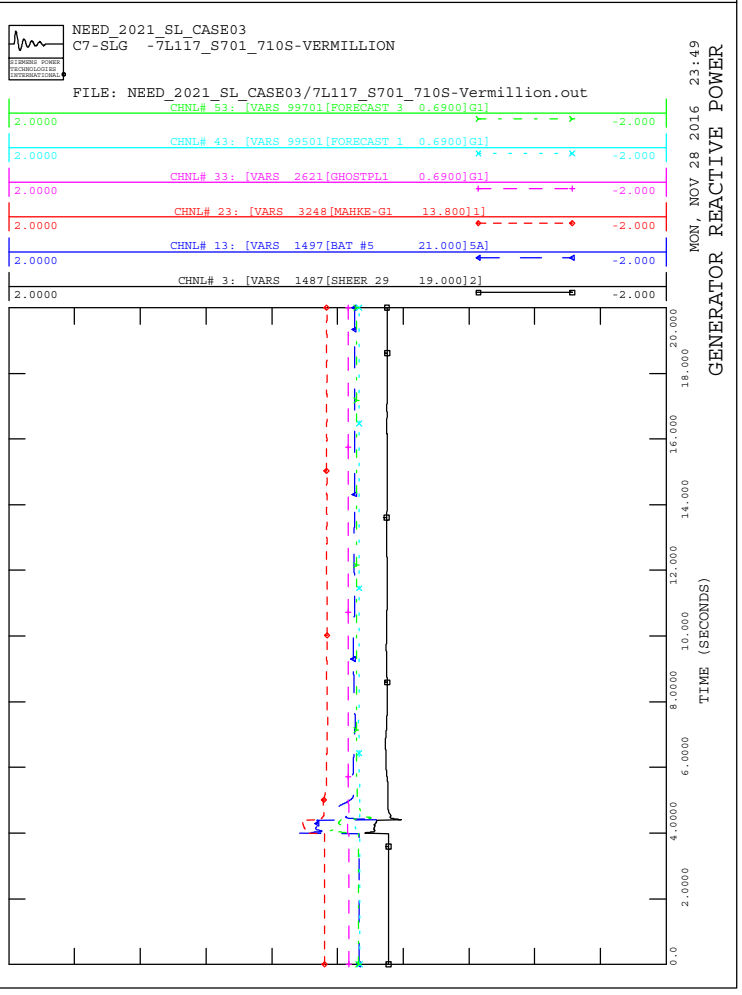
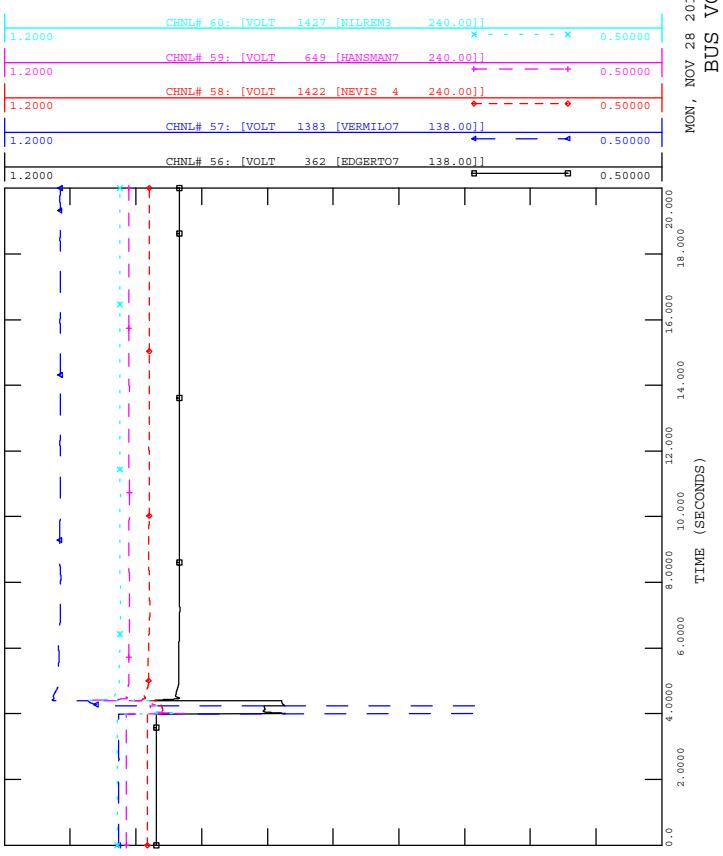
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -7L117_S701_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L117_S701_710S-Vermillion.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_SL_CASE03
C7-SLG -7L130_S702_710S-VERMILLION

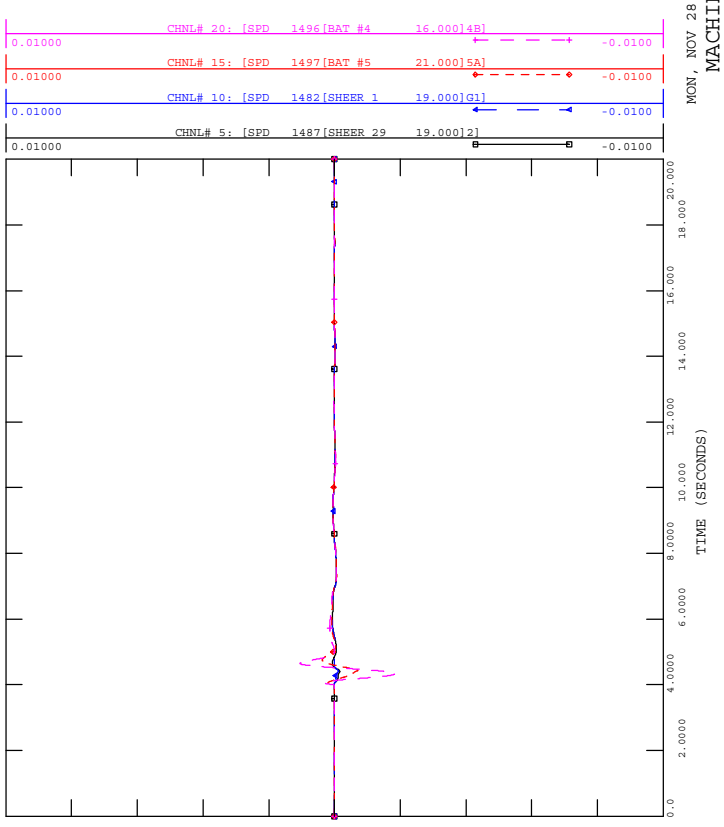
FILE: NEED_2021_SL_CASE03/7L130_S702_710S-Vermillion.out



MON, NOV 28 2016 23:49
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -7L130_S702_710S-VERMILLION

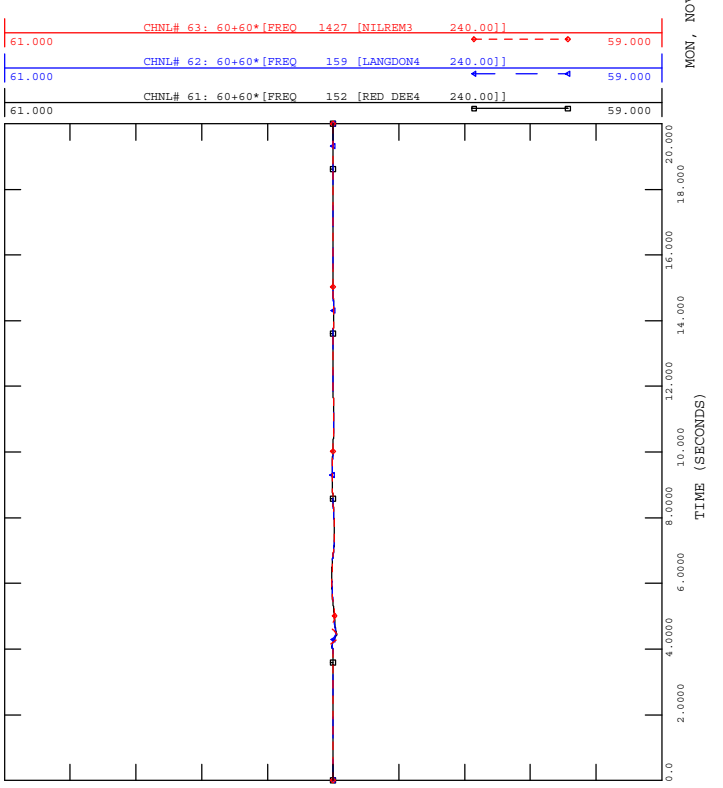
FILE: NEED_2021_SL_CASE03/7L130_S702_710S-Vermillion.out



MON, NOV 28 2016 23:49
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -7L130_S702_710S-VERMILLION

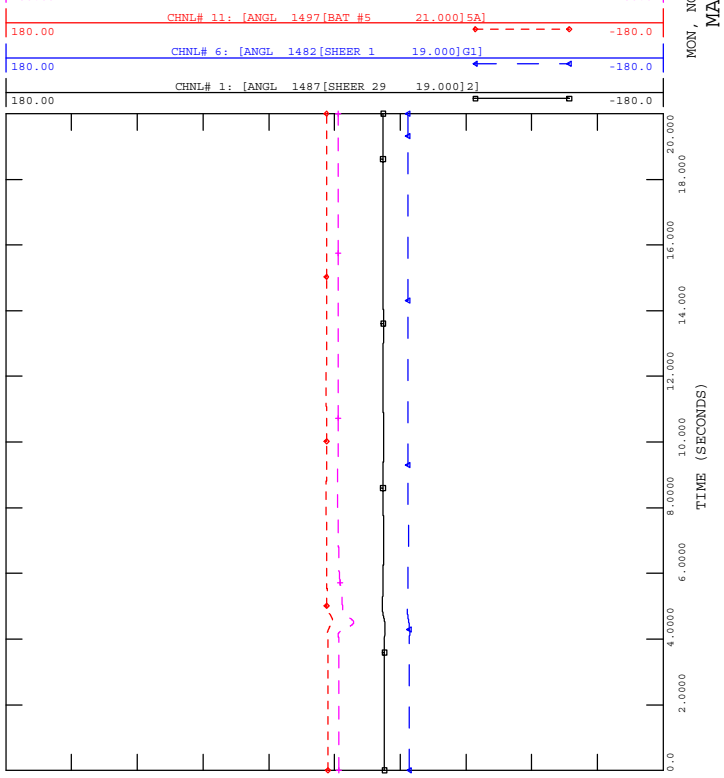
FILE: NEED_2021_SL_CASE03/7L130_S702_710S-Vermillion.out



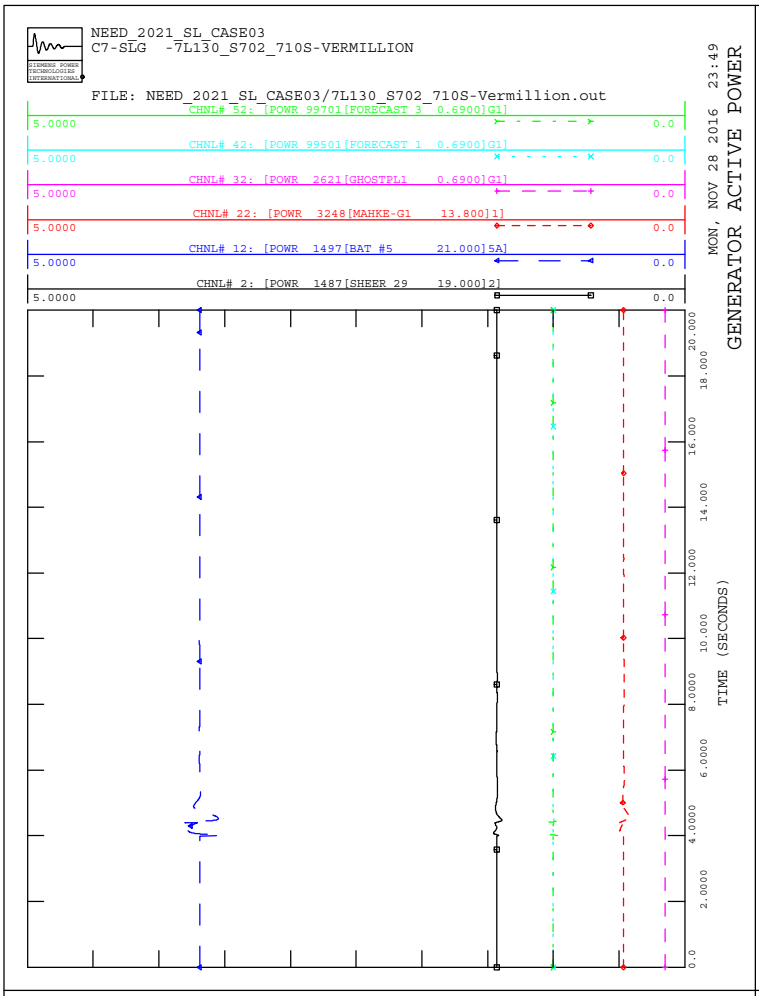
MON, NOV 28 2016 23:49
FREQUENCY

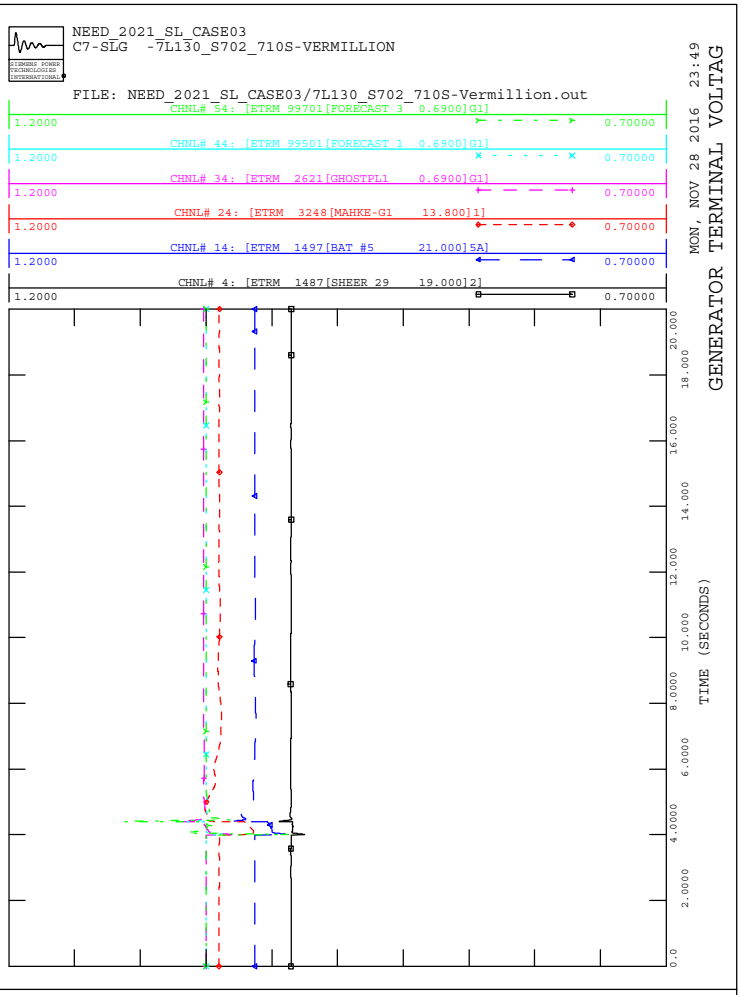
NEED_2021_SL_CASE03
C7-SLG -7L130_S702_710S-VERMILLION

FILE: NEED_2021_SL_CASE03/7L130_S702_710S-Vermillion.out



MON, NOV 28 2016 23:49
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -7L130_S702_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L130_S702_710S-Vermillion.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -7L130_S702_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L130_S702_710S-Vermillion.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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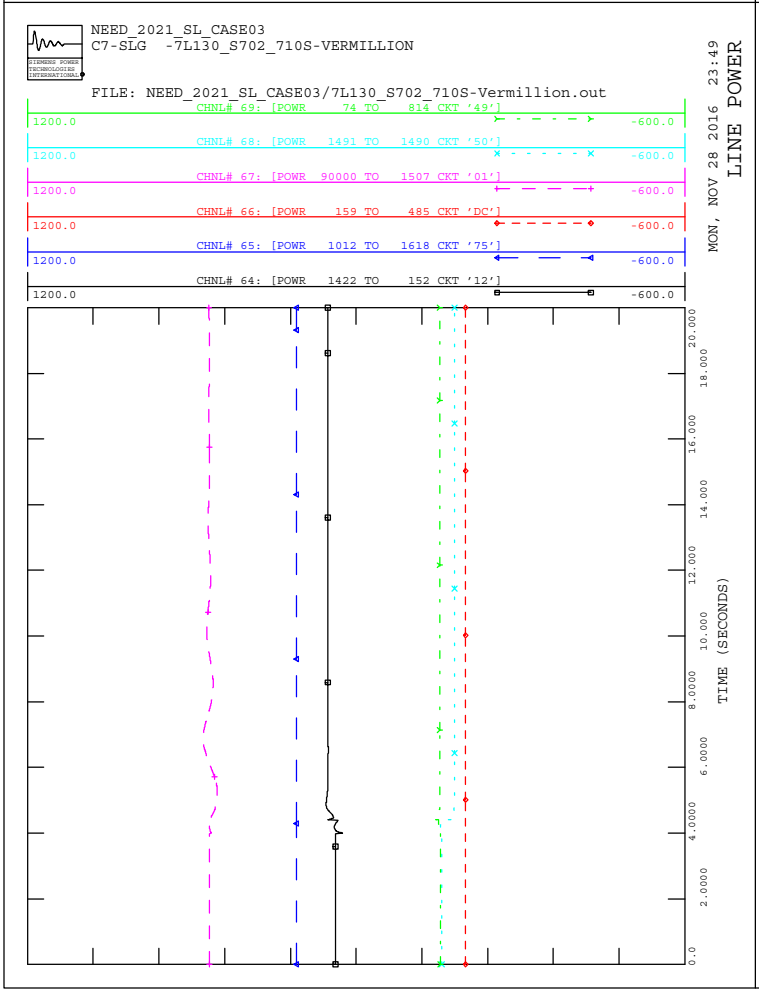
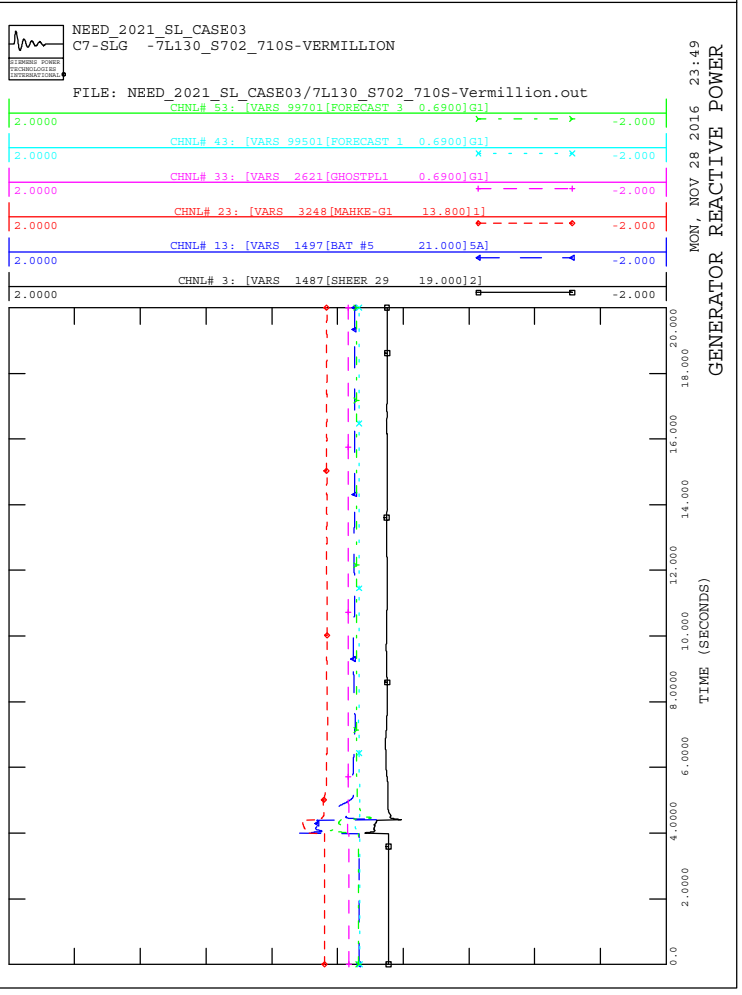
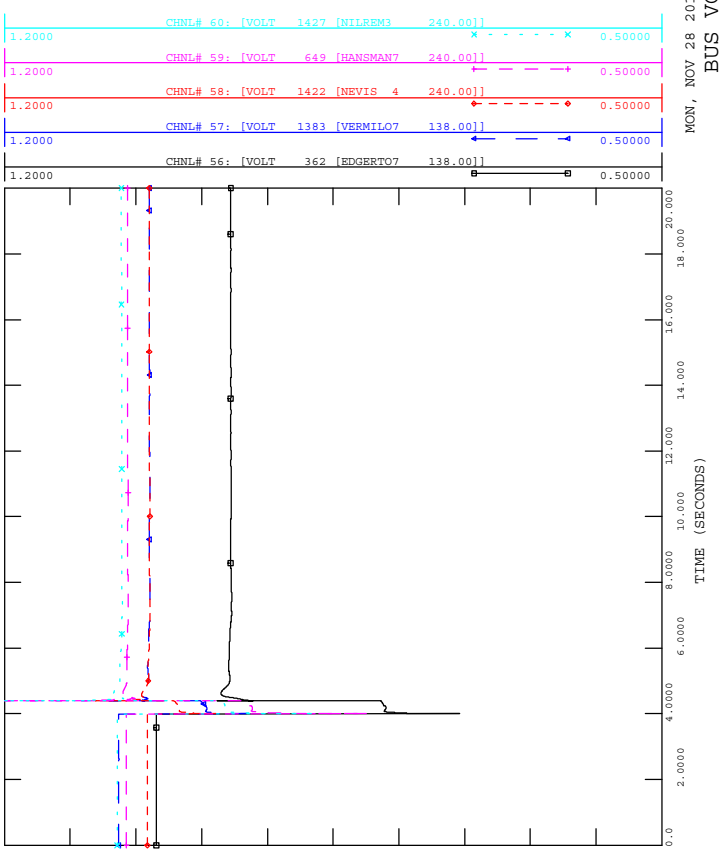
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -7L130_S702_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L130_S702_710S-Vermillion.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:49
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -7L130_S702_710S-VERMILLION
FILE: NEED_2021_SL_CASE03/7L130_S702_710S-Vermillion.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_SL_CASE03
C7-SLG -472L_S472_648S-METISKOW

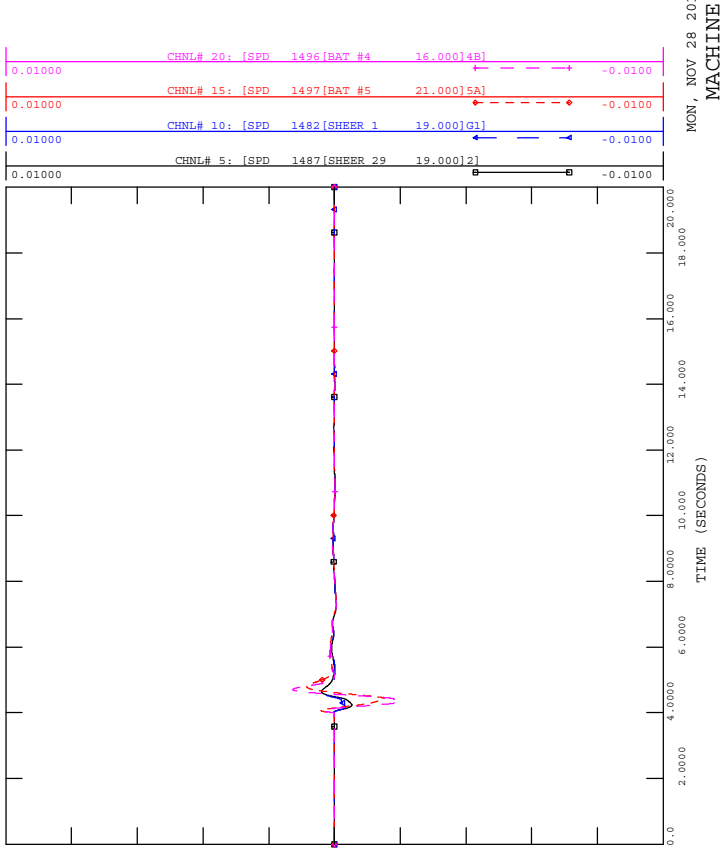
FILE: NEED_2021_SL_CASE03/472L_S472_648S-Metiskow.out



MON, NOV 28 2016 23:49
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -472L_S472_648S-METISKOW

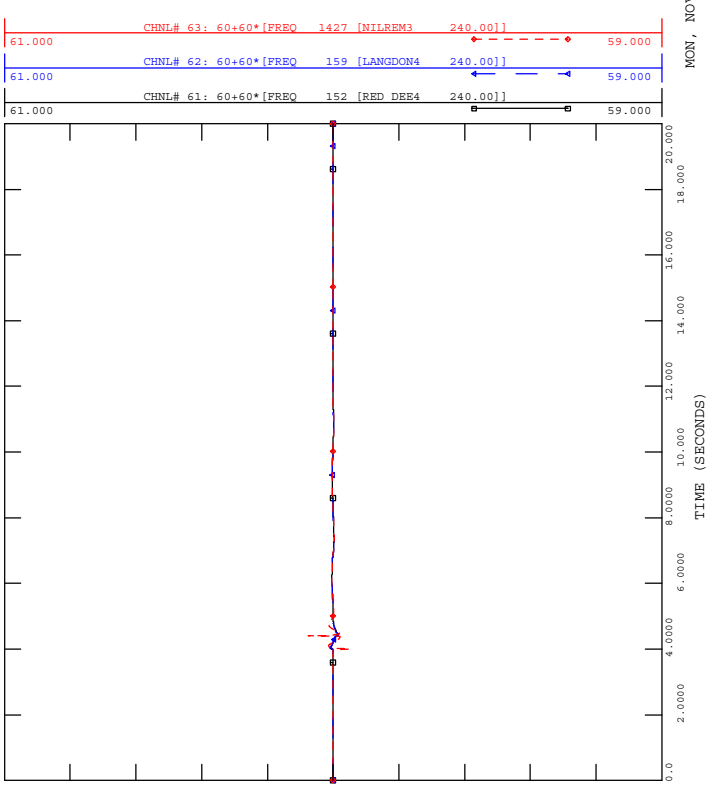
FILE: NEED_2021_SL_CASE03/472L_S472_648S-Metiskow.out



MON, NOV 28 2016 23:49
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -472L_S472_648S-METISKOW

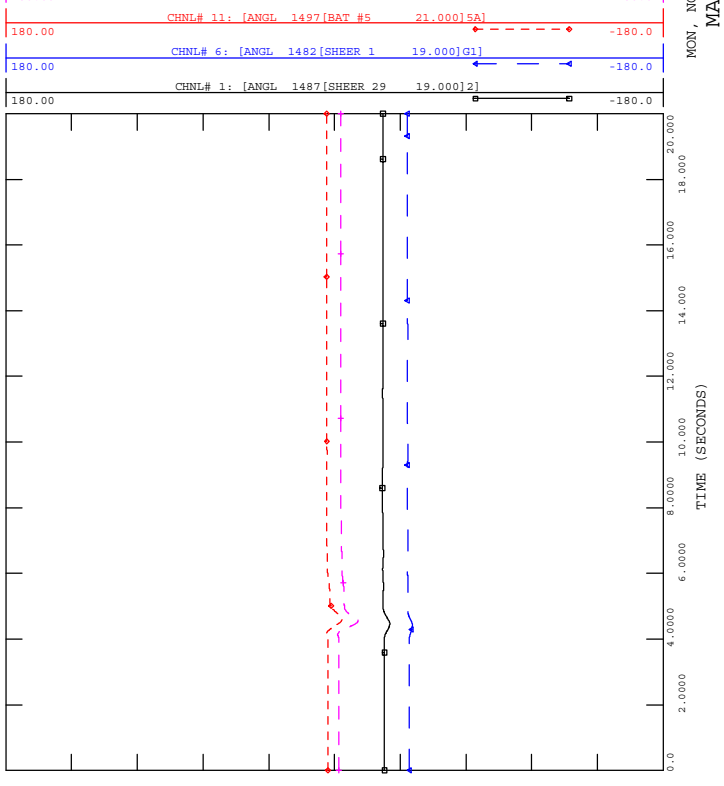
FILE: NEED_2021_SL_CASE03/472L_S472_648S-Metiskow.out



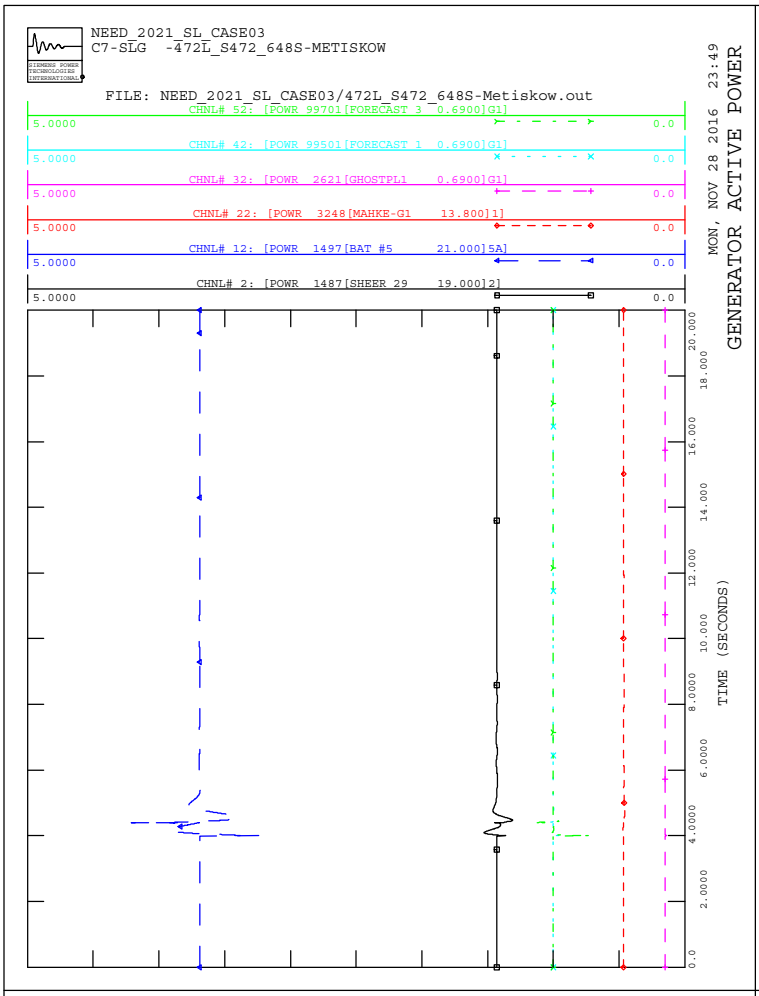
MON, NOV 28 2016 23:49
FREQUENCY

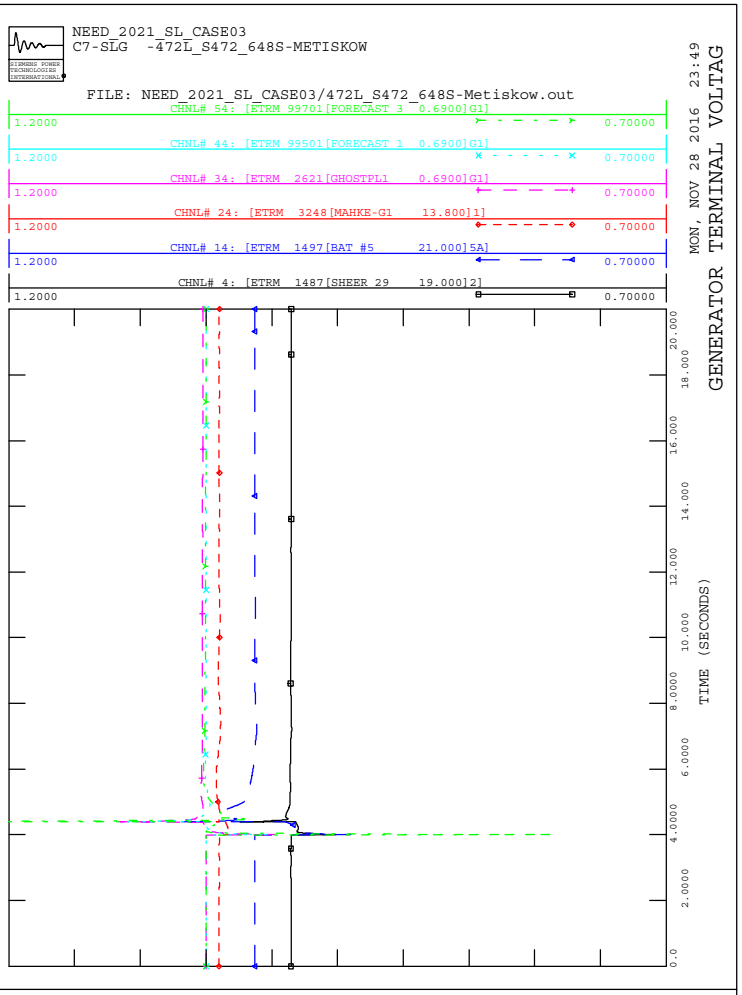
NEED_2021_SL_CASE03
C7-SLG -472L_S472_648S-METISKOW

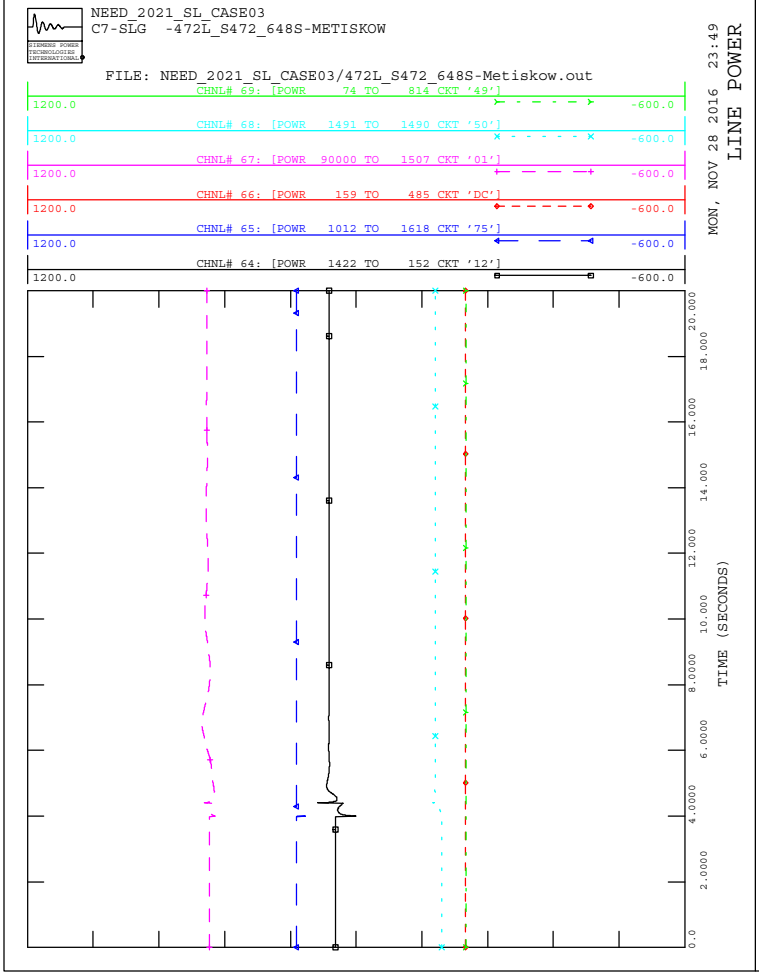
FILE: NEED_2021_SL_CASE03/472L_S472_648S-Metiskow.out

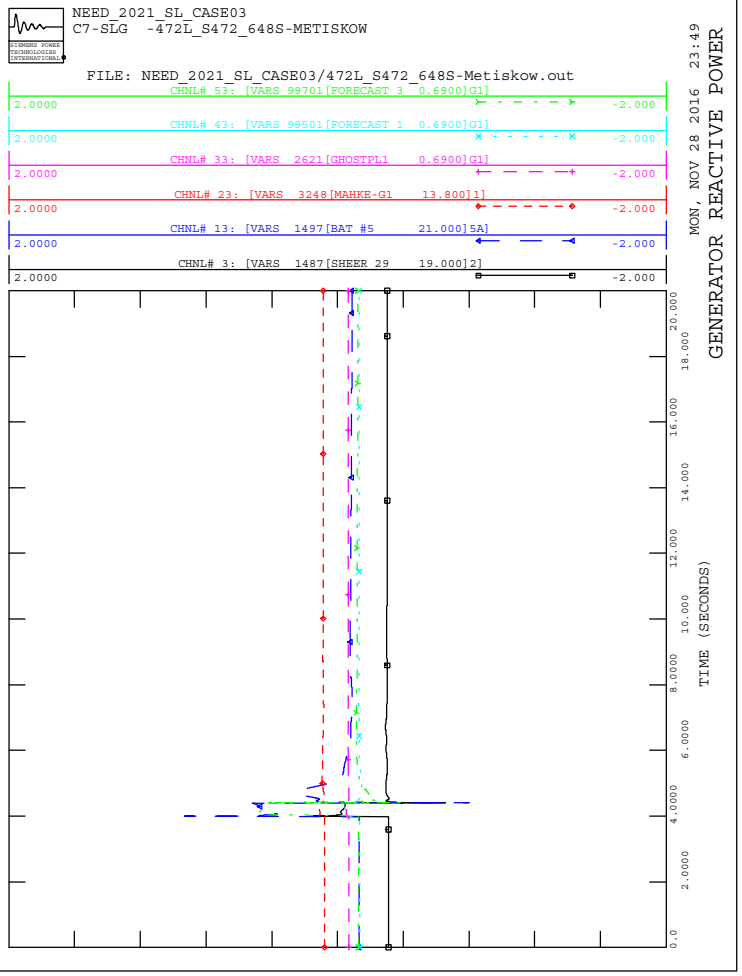


MON, NOV 28 2016 23:49
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -472L_S472_648S-METISKOW
FILE: NEED_2021_SL_CASE03/472L_S472_648S-Metiskow.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER

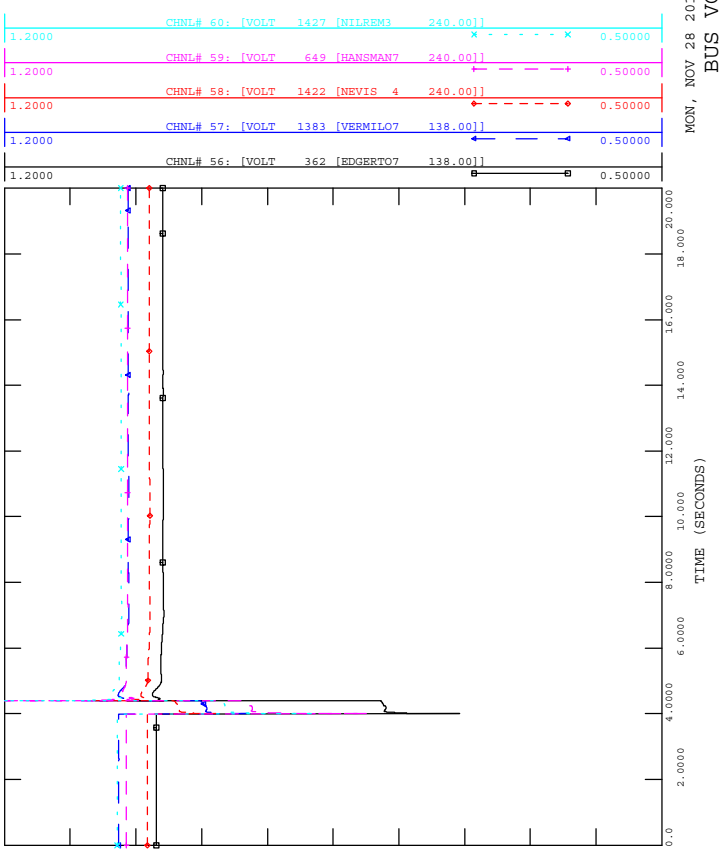

NEED_2021_SL_CASE03
C7-SLG -472L_S472_648S-METISKOW
FILE: NEED_2021_SL_CASE03/472L_S472_648S-Metiskow.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -472L_S472_648S-METISKOW
FILE: NEED_2021_SL_CASE03/472L_S472_648S-Metiskow.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
LINE POWER


NEED_2021_SL_CASE03
C7-SLG -472L_S472_648S-METISKOW
FILE: NEED_2021_SL_CASE03/472L_S472_648S-Metiskow.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -749L_S749E_648S-METISKOW

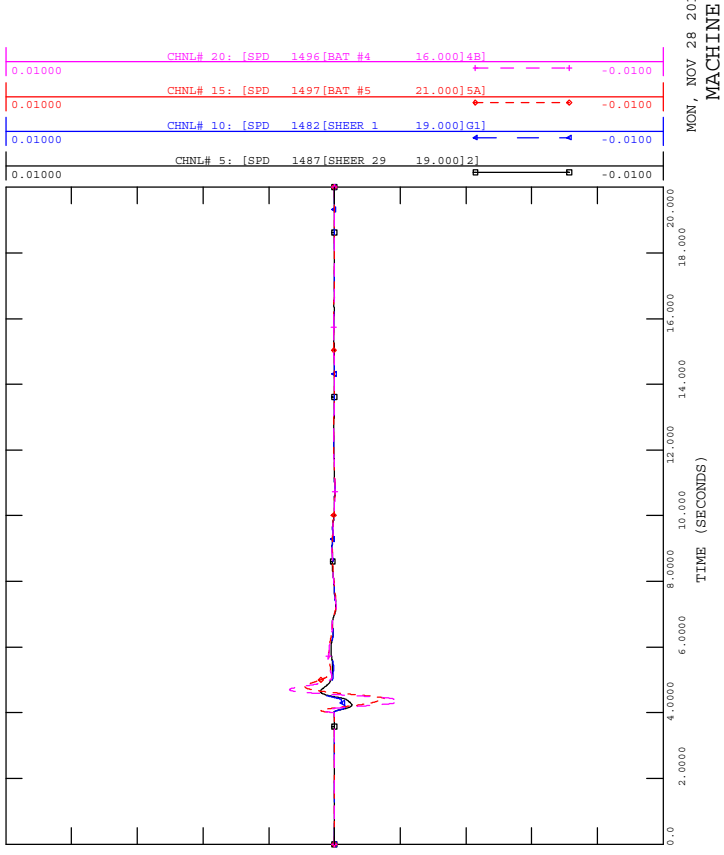
FILE: NEED_2021_SL_CASE03/749L_S749E_648S-Metiskow.out



MON, NOV 28 2016 23:49
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -749L_S749E_648S-METISKOW

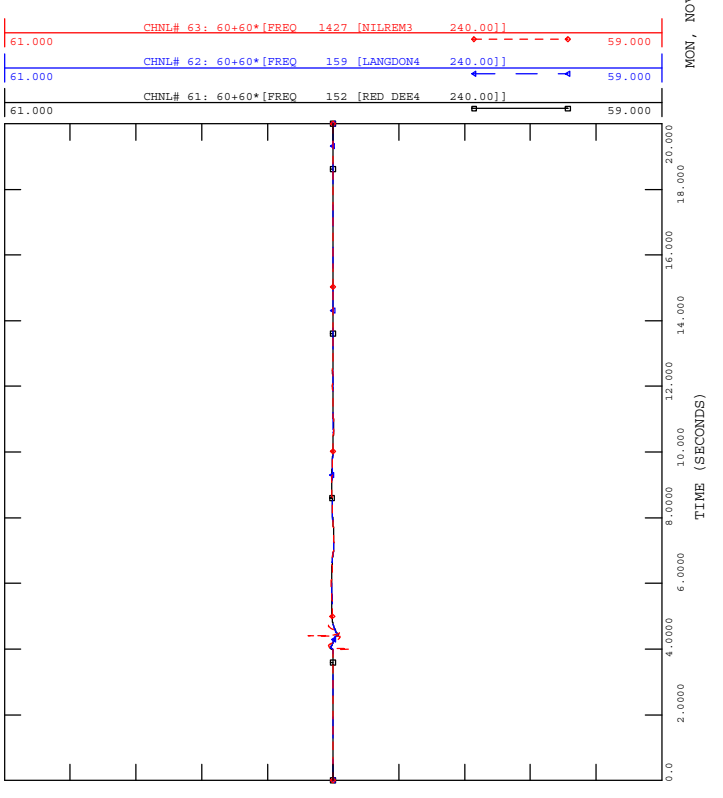
FILE: NEED_2021_SL_CASE03/749L_S749E_648S-Metiskow.out



MON, NOV 28 2016 23:49
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -749L_S749E_648S-METISKOW

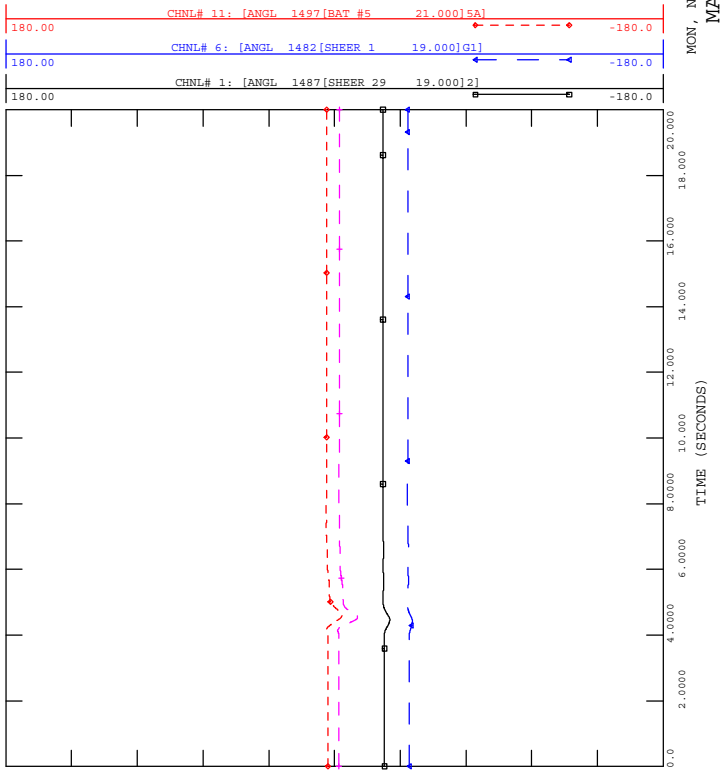
FILE: NEED_2021_SL_CASE03/749L_S749E_648S-Metiskow.out



MON, NOV 28 2016 23:49
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -749L_S749E_648S-METISKOW

FILE: NEED_2021_SL_CASE03/749L_S749E_648S-Metiskow.out



MON, NOV 28 2016 23:49
MACHINE ANGEL

NEED_2021_SL_CASE03
C7-SLG -749L_S749E_648S-METISKOW

FILE: NEED_2021_SL_CASE03/749L_S749E_648S-Metiskow.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

MON, NOV 28 2016 23:49

GENERATOR ACTIVE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
C7-SLG -749L_S749E_648S-METISKOW

FILE: NEED_2021_SL_CASE03/749L_S749E_648S-Metiskow.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

MON, NOV 28 2016 23:49

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
C7-SLG -749L_S749E_648S-METISKOW

FILE: NEED_2021_SL_CASE03/749L_S749E_648S-Metiskow.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

MON, NOV 28 2016 23:49

LINE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
C7-SLG -749L_S749E_648S-METISKOW

FILE: NEED_2021_SL_CASE03/749L_S749E_648S-Metiskow.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

MON, NOV 28 2016 23:49

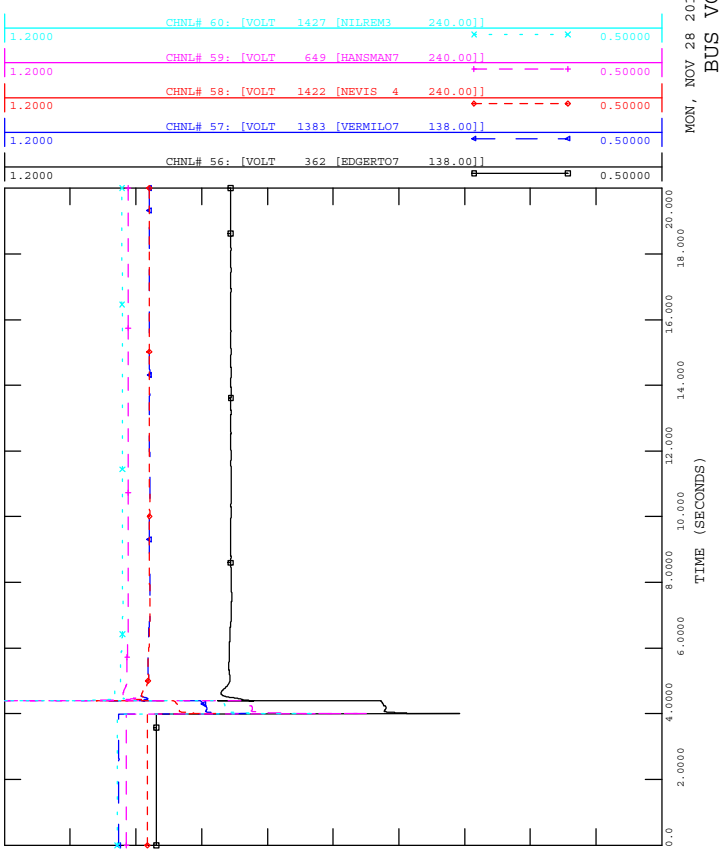
GENERATOR REACTIVE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_SL_CASE03
C7-SLG -885L_S885_648S-METISKOW

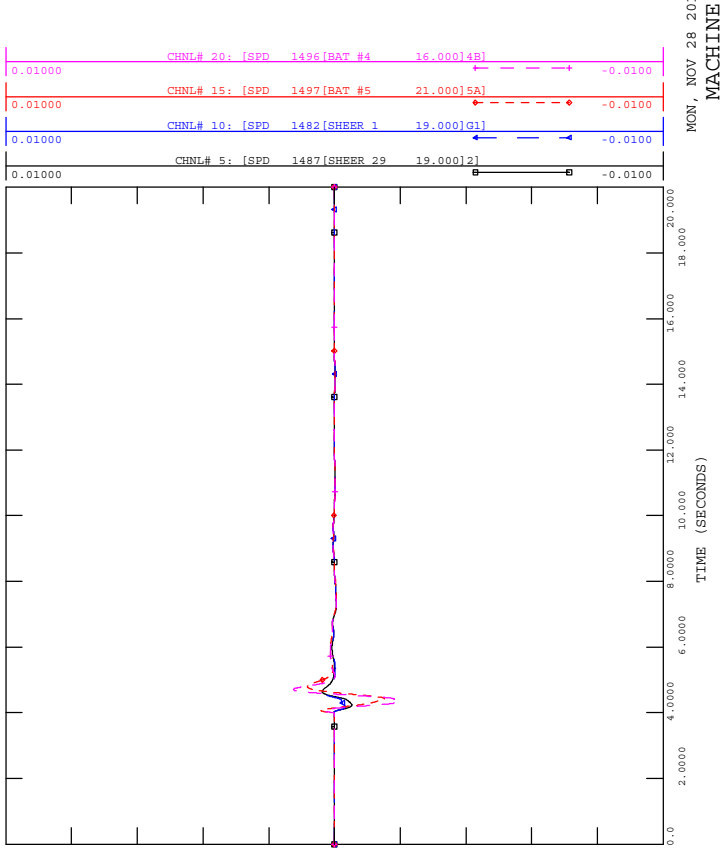
FILE: NEED_2021_SL_CASE03/885L_S885_648S-Metiskow.out



MON, NOV 28 2016 23:49
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -885L_S885_648S-METISKOW

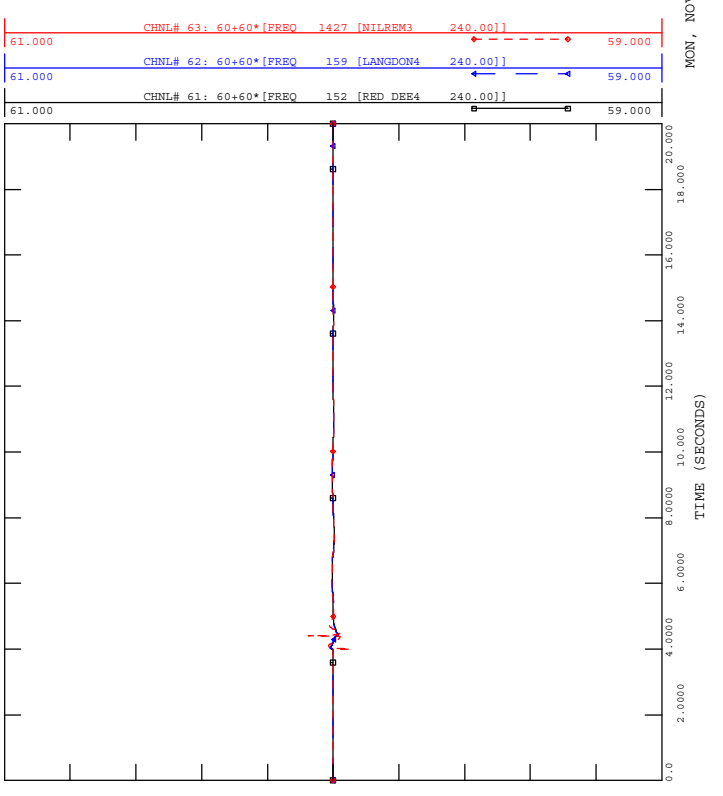
FILE: NEED_2021_SL_CASE03/885L_S885_648S-Metiskow.out



MON, NOV 28 2016 23:49
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -885L_S885_648S-METISKOW

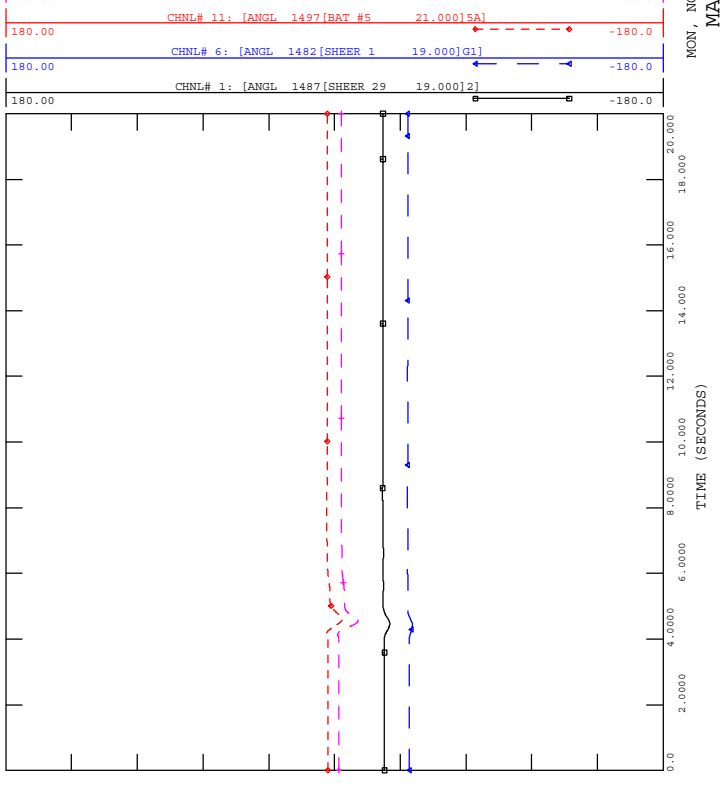
FILE: NEED_2021_SL_CASE03/885L_S885_648S-Metiskow.out



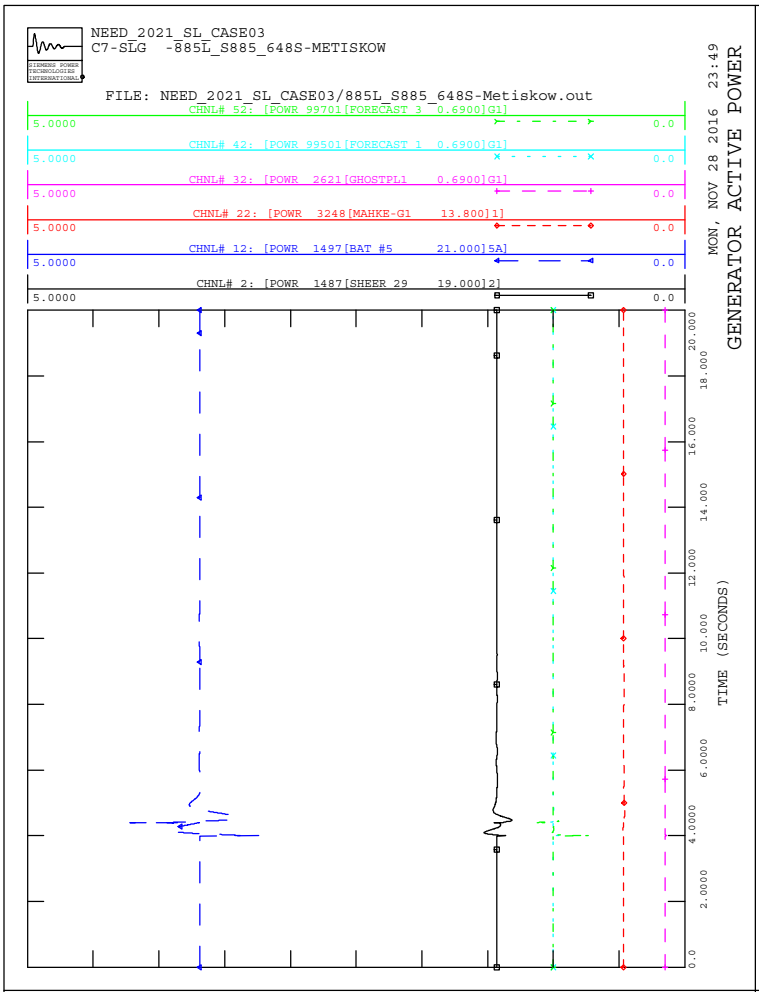
MON, NOV 28 2016 23:49
FREQUENCY

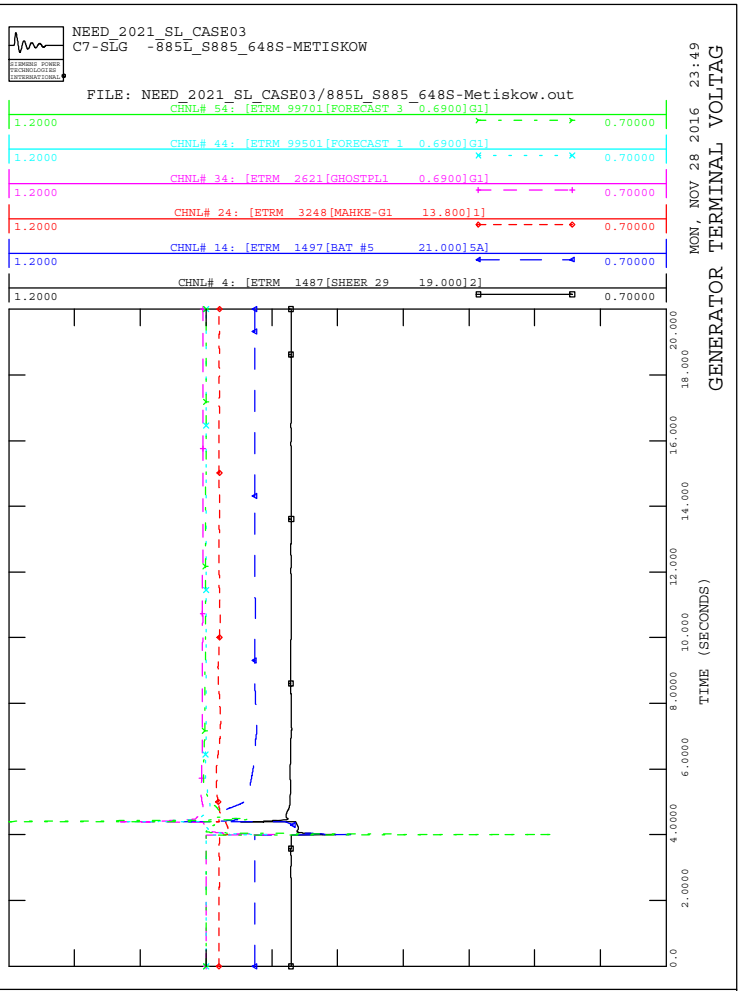
NEED_2021_SL_CASE03
C7-SLG -885L_S885_648S-METISKOW

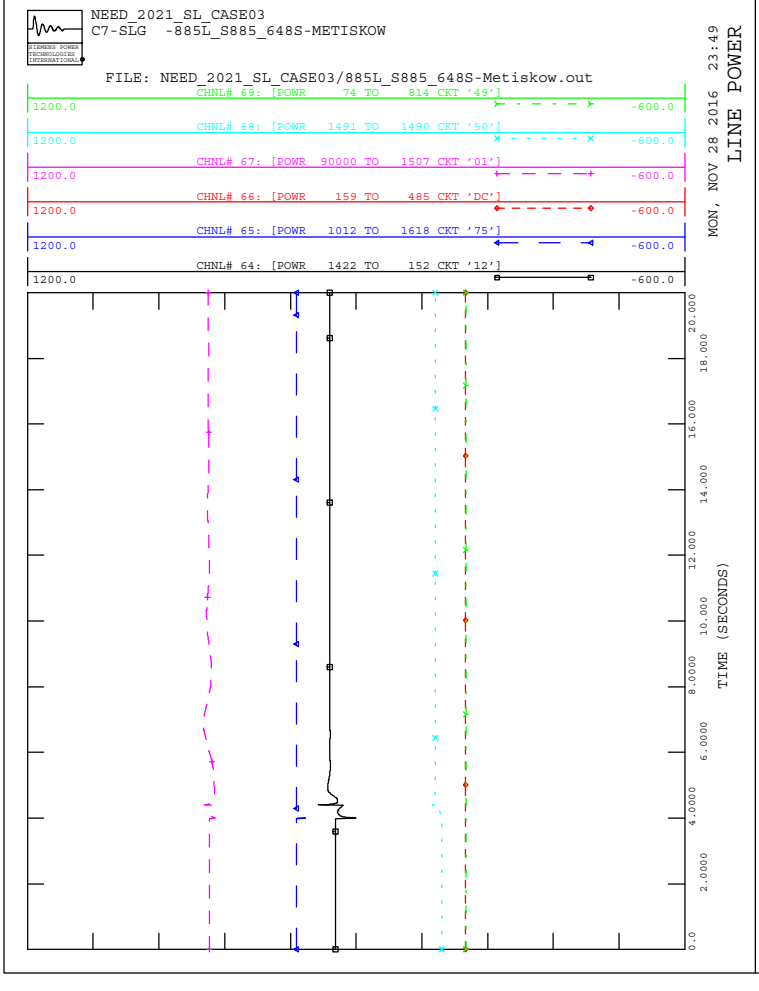
FILE: NEED_2021_SL_CASE03/885L_S885_648S-Metiskow.out

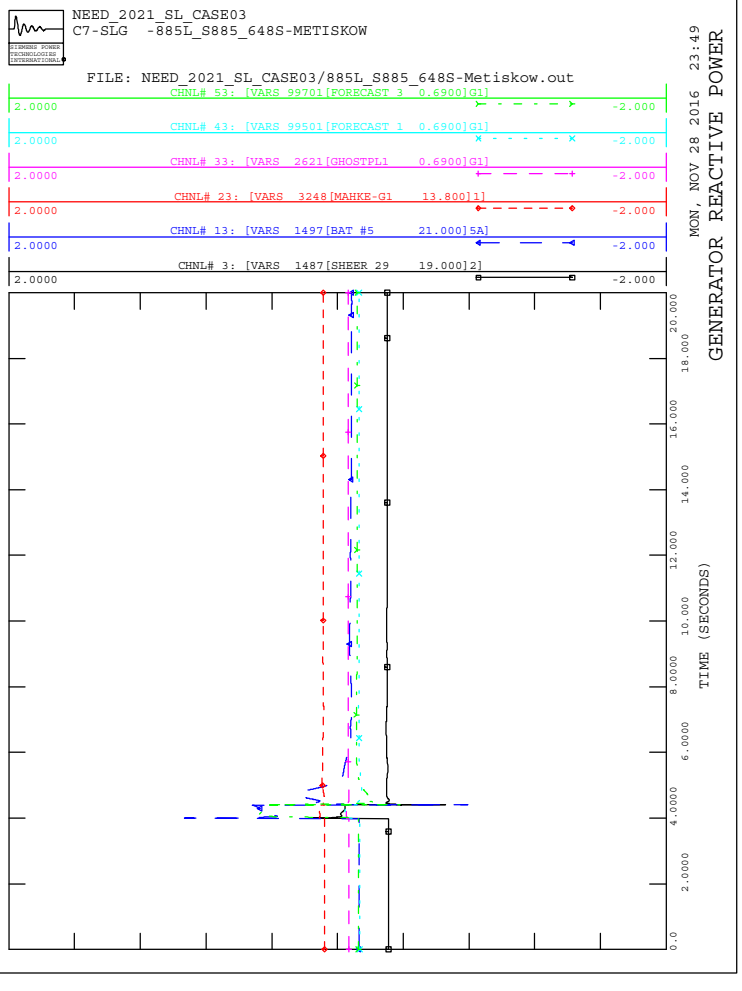


MON, NOV 28 2016 23:49
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -885L_S885_648S-METISKOW
FILE: NEED_2021_SL_CASE03/885L_S885_648S-Metiskow.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -885L_S885_648S-METISKOW
FILE: NEED_2021_SL_CASE03/885L_S885_648S-Metiskow.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -885L_S885_648S-METISKOW
FILE: NEED_2021_SL_CASE03/885L_S885_648S-Metiskow.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:49
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

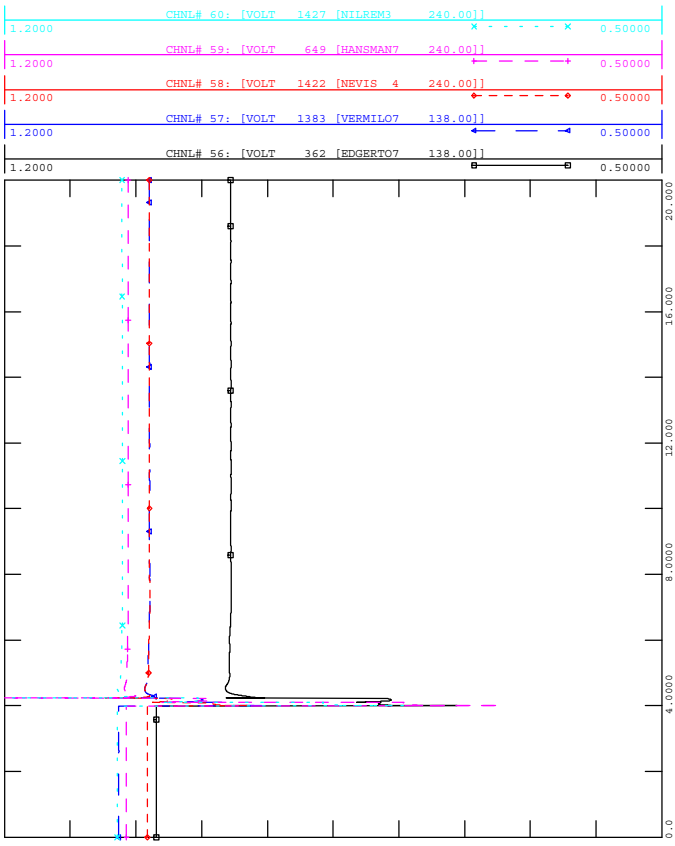

NEED_2021_SL_CASE03
C7-SLG -885L_S885_648S-METISKOW
FILE: NEED_2021_SL_CASE03/885L_S885_648S-Metiskow.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_SL_CASE03
C7-SLG -954L_S29_648S-METISKOW

FILE: NEED_2021_SL_CASE03/954L_S29_648S-Metiskow.out

MON, NOV 28 2016 23:49

BUS VOLTAGE

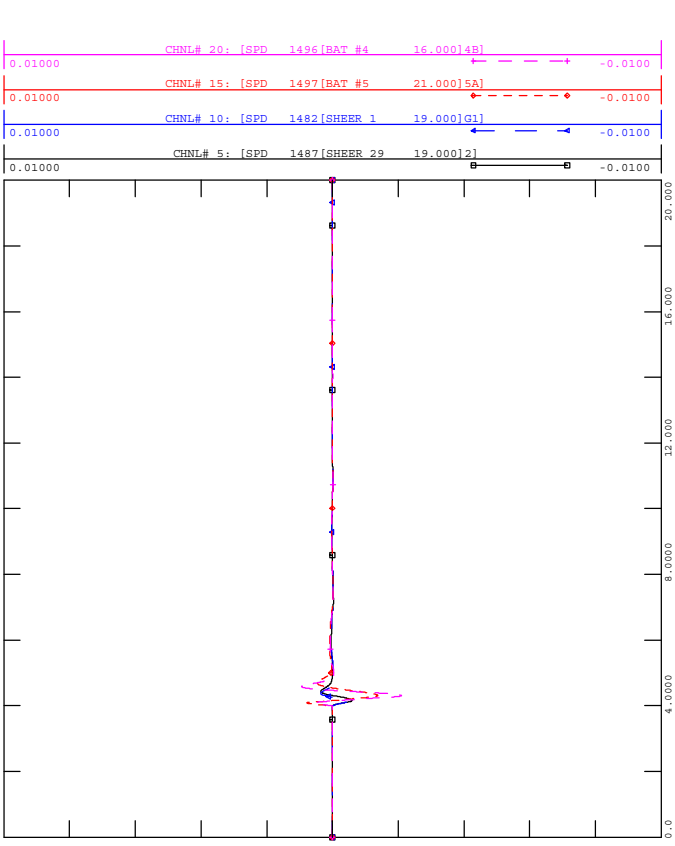


NEED_2021_SL_CASE03
C7-SLG -954L_S29_648S-METISKOW

FILE: NEED_2021_SL_CASE03/954L_S29_648S-Metiskow.out

MON, NOV 28 2016 23:49

MACHINE SPEED

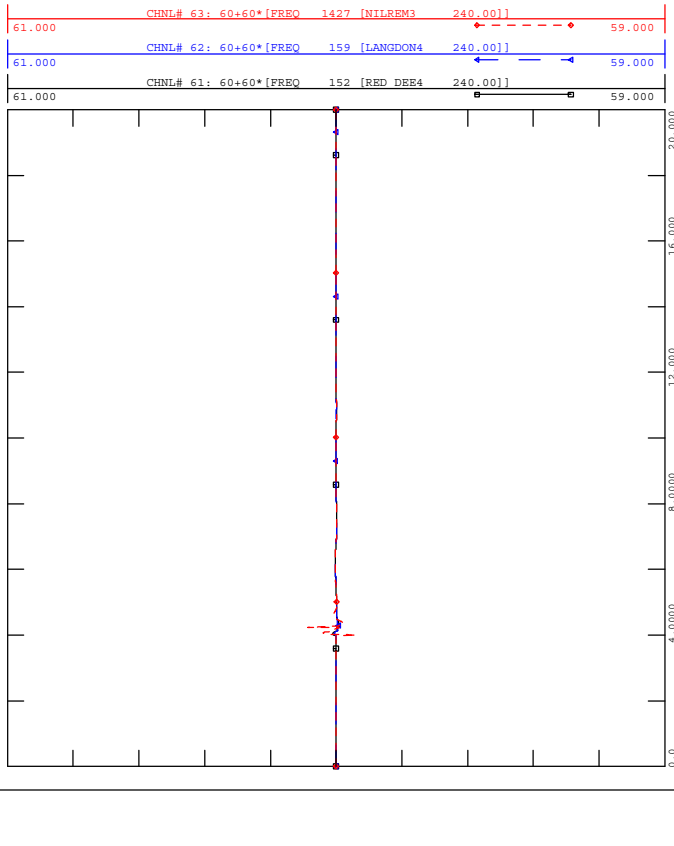


NEED_2021_SL_CASE03
C7-SLG -954L_S29_648S-METISKOW

FILE: NEED_2021_SL_CASE03/954L_S29_648S-Metiskow.out

MON, NOV 28 2016 23:49

FREQUENCY

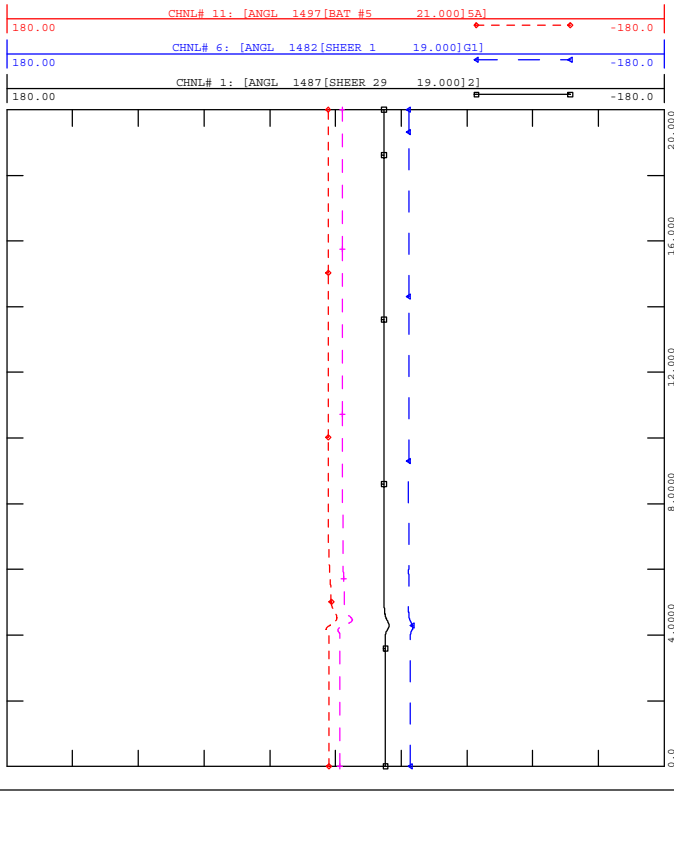


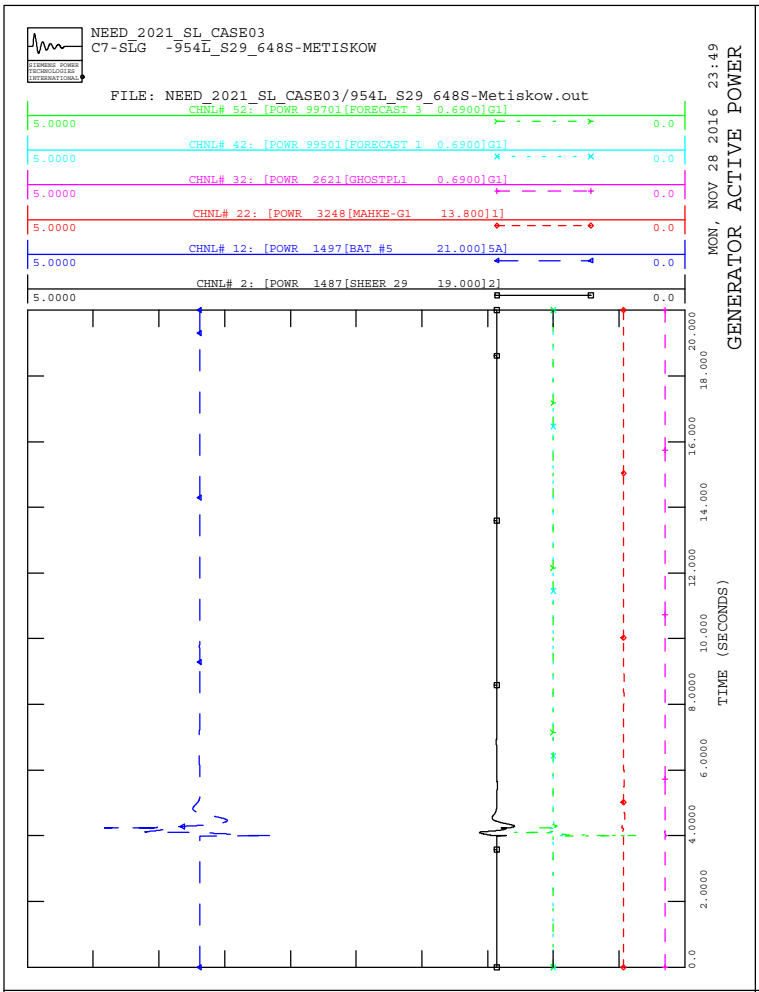
NEED_2021_SL_CASE03
C7-SLG -954L_S29_648S-METISKOW

FILE: NEED_2021_SL_CASE03/954L_S29_648S-Metiskow.out

MON, NOV 28 2016 23:49

MACHINE ANGEL




NEED_2021_SL_CASE03
C7-SLG -954L_S29_648S-METISKOW
FILE: NEED_2021_SL_CASE03/954L_S29_648S-Metiskow.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
10.000
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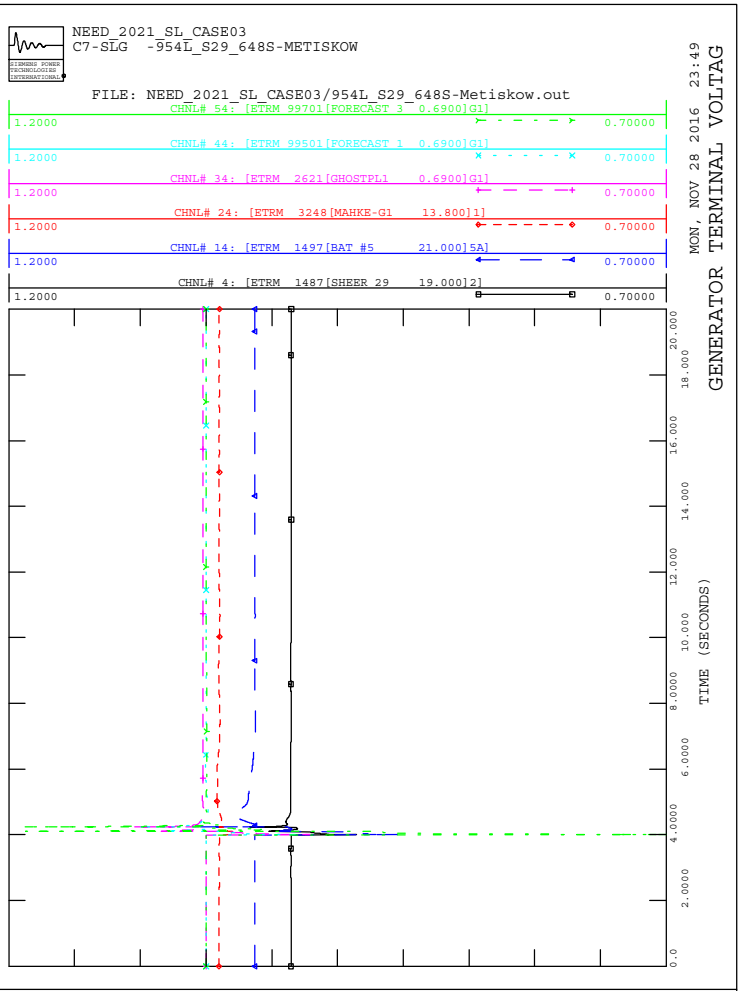
16.000
18.000
20.000
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -954L_S29_648S-METISKOW
FILE: NEED_2021_SL_CASE03/954L_S29_648S-Metiskow.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
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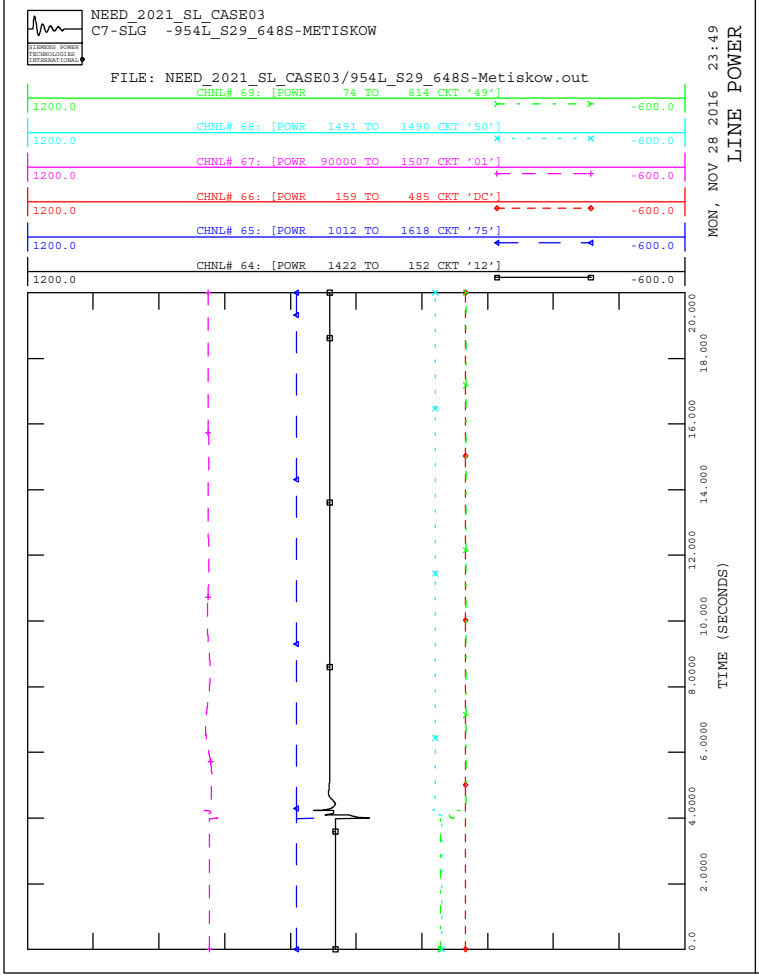
16.000
18.000
20.000
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -954L_S29_648S-METISKOW
FILE: NEED_2021_SL_CASE03/954L_S29_648S-Metiskow.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
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2.0000
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16.000
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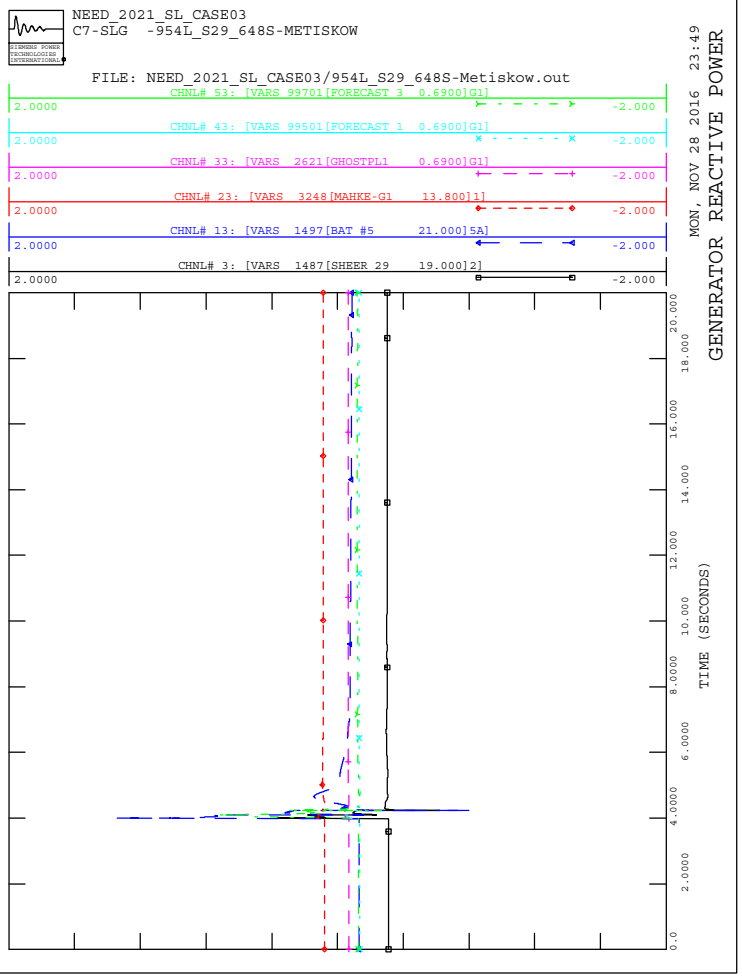
20.000
MON, NOV 28 2016 23:49
LINE POWER

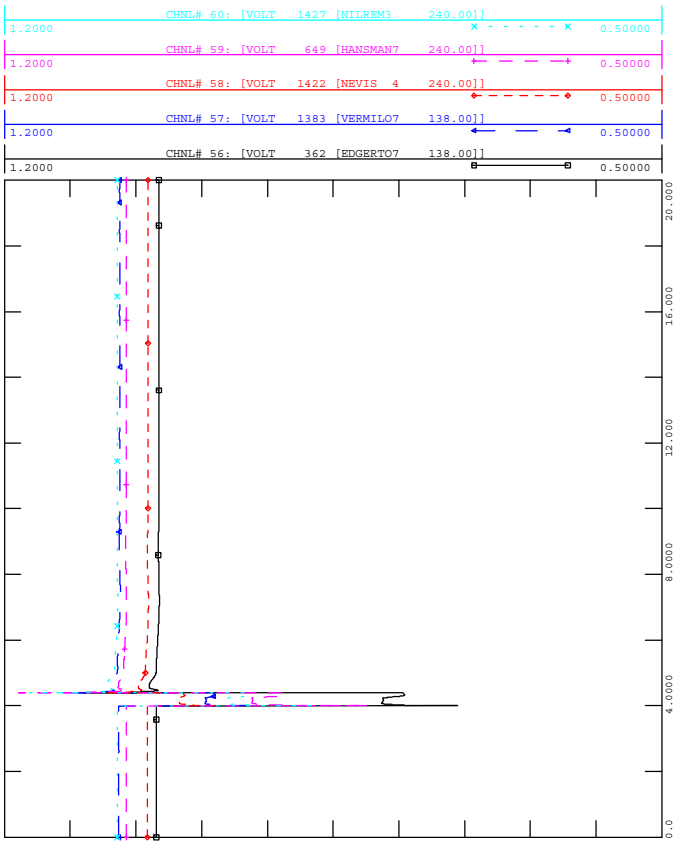

NEED_2021_SL_CASE03
C7-SLG -954L_S29_648S-METISKOW
FILE: NEED_2021_SL_CASE03/954L_S29_648S-Metiskow.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -715L_S1352_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/715L_S1352_650S-Hansman Lake.out

MON, NOV 28 2016 23:49

BUS VOLTAGE

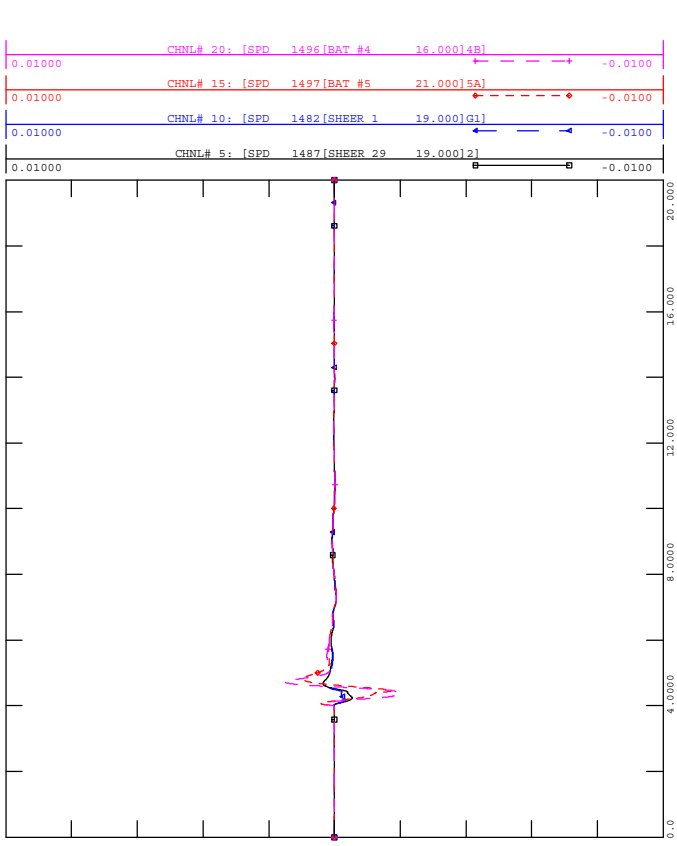


NEED_2021_SL_CASE03
C7-SLG -715L_S1352_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/715L_S1352_650S-Hansman Lake.out

MON, NOV 28 2016 23:49

MACHINE SPEED

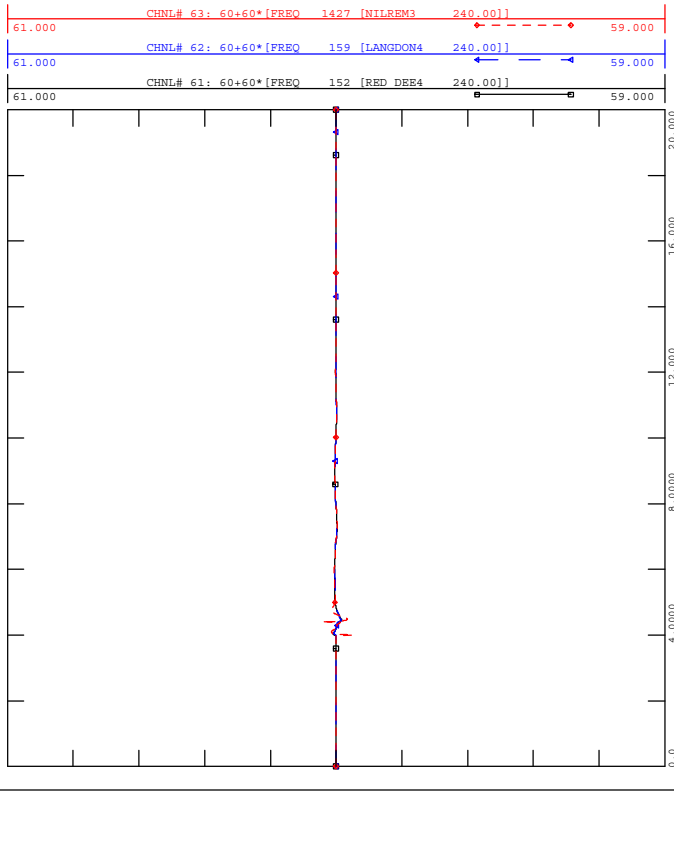


NEED_2021_SL_CASE03
C7-SLG -715L_S1352_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/715L_S1352_650S-Hansman Lake.out

MON, NOV 28 2016 23:49

FREQUENCY

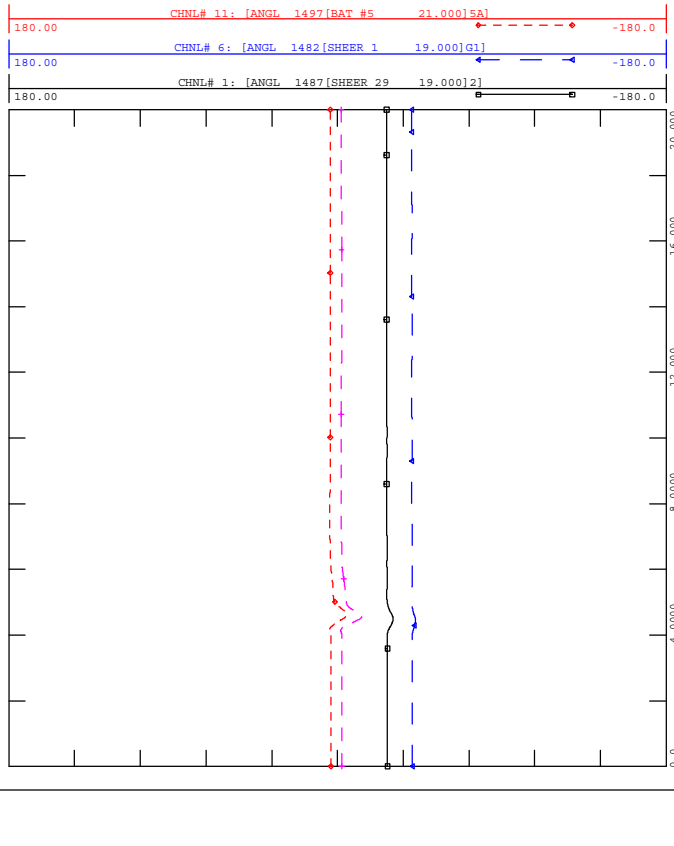


NEED_2021_SL_CASE03
C7-SLG -715L_S1352_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/715L_S1352_650S-Hansman Lake.out

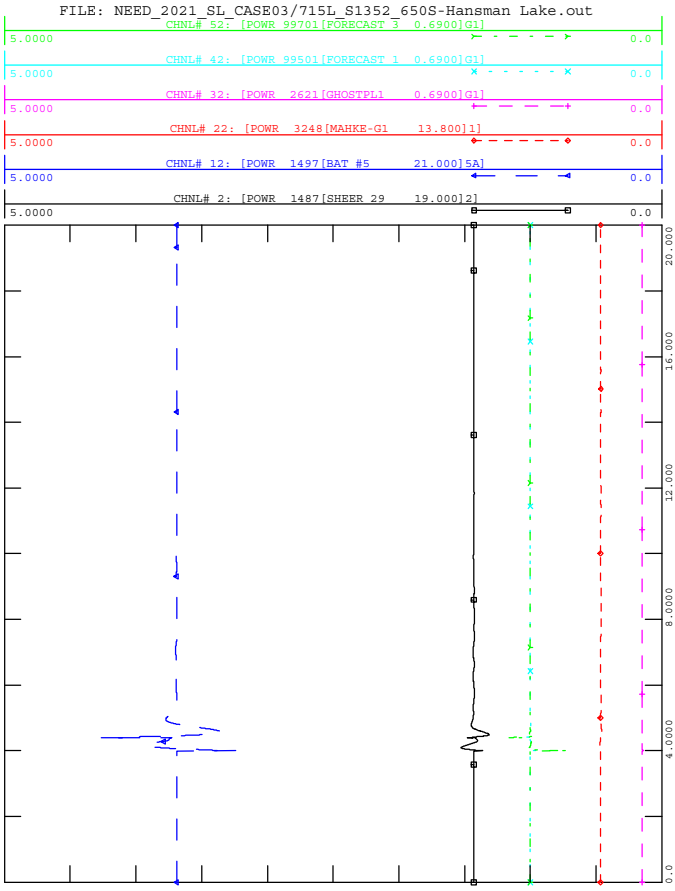
MON, NOV 28 2016 23:49

MACHINE ANGEL



NEED_2021_SL_CASE03
C7-SLG -715L_S1352_650S-HANSMAN LAKE

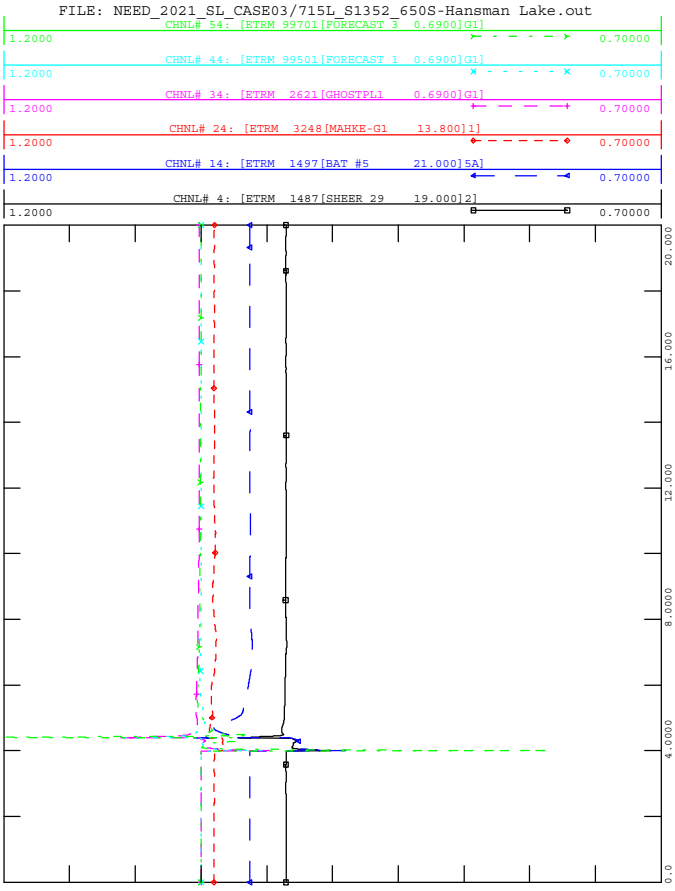
FILE: NEED_2021_SL_CASE03/715L_S1352_650S-Hansman Lake.out



MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -715L_S1352_650S-HANSMAN LAKE

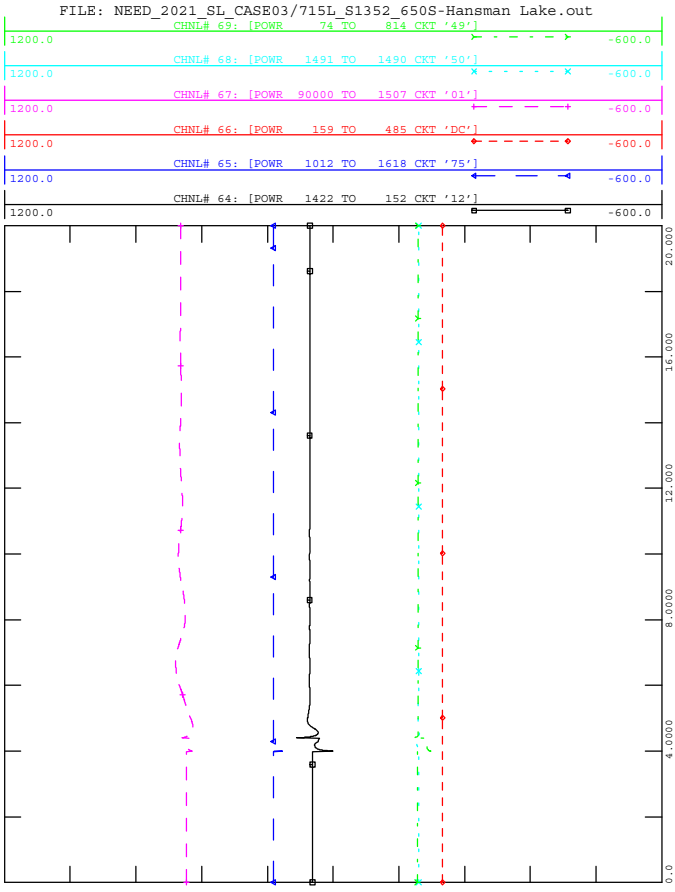
FILE: NEED_2021_SL_CASE03/715L_S1352_650S-Hansman Lake.out



MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
C7-SLG -715L_S1352_650S-HANSMAN LAKE

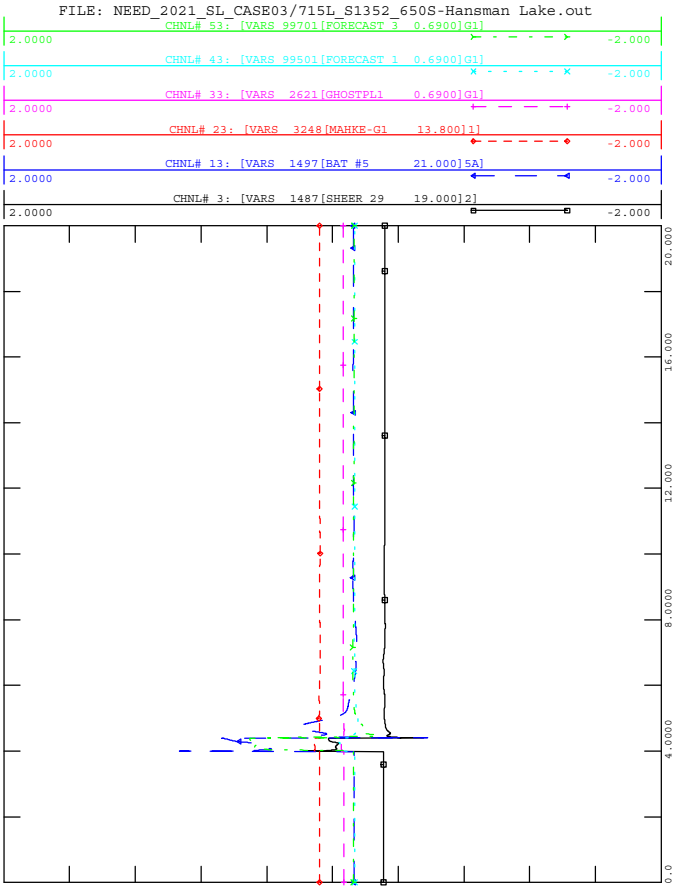
FILE: NEED_2021_SL_CASE03/715L_S1352_650S-Hansman Lake.out



MON, NOV 28 2016 23:49
LINE POWER

NEED_2021_SL_CASE03
C7-SLG -715L_S1352_650S-HANSMAN LAKE

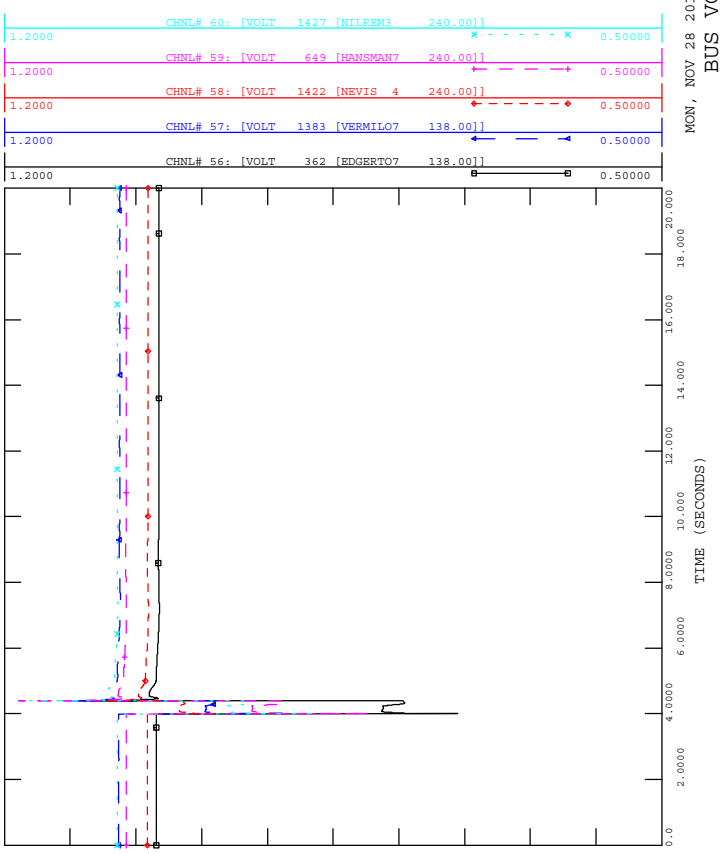
FILE: NEED_2021_SL_CASE03/715L_S1352_650S-Hansman Lake.out



MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

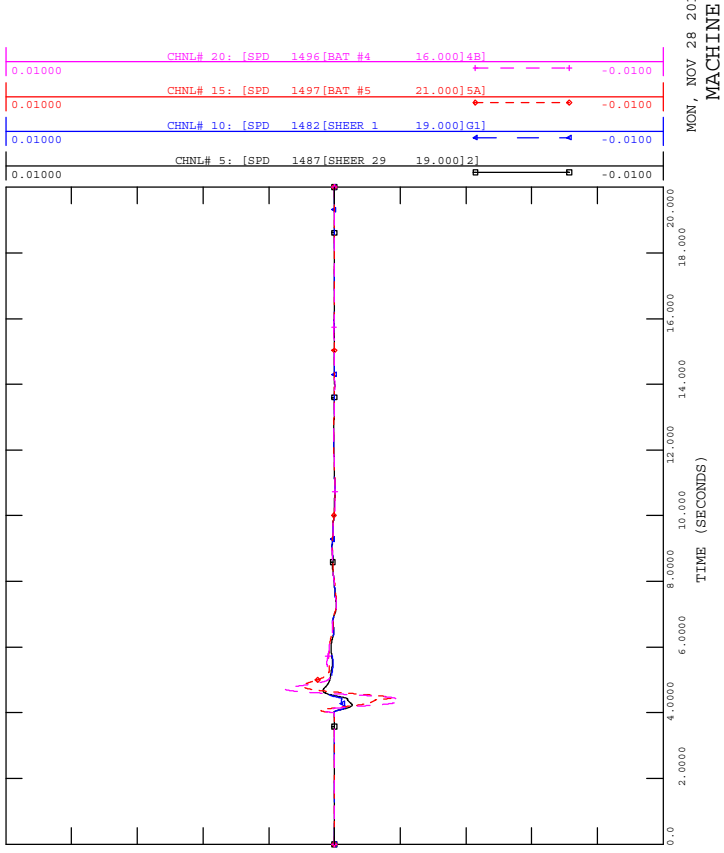
FILE: NEED_2021_SL_CASE03/7L224_S1752_650S-Hansman Lake.out



MON, NOV 28 2016 23:49
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

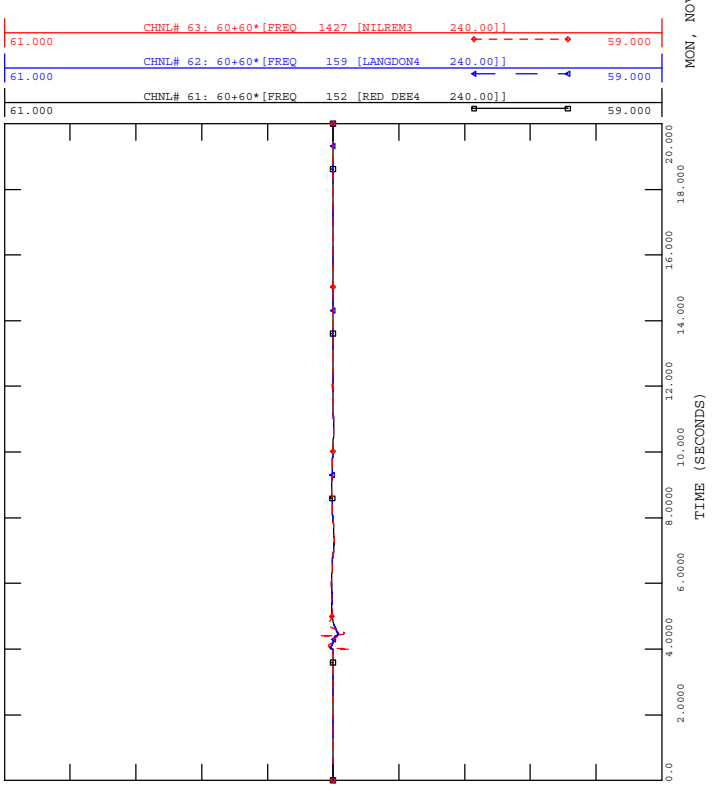
FILE: NEED_2021_SL_CASE03/7L224_S1752_650S-Hansman Lake.out



MON, NOV 28 2016 23:49
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

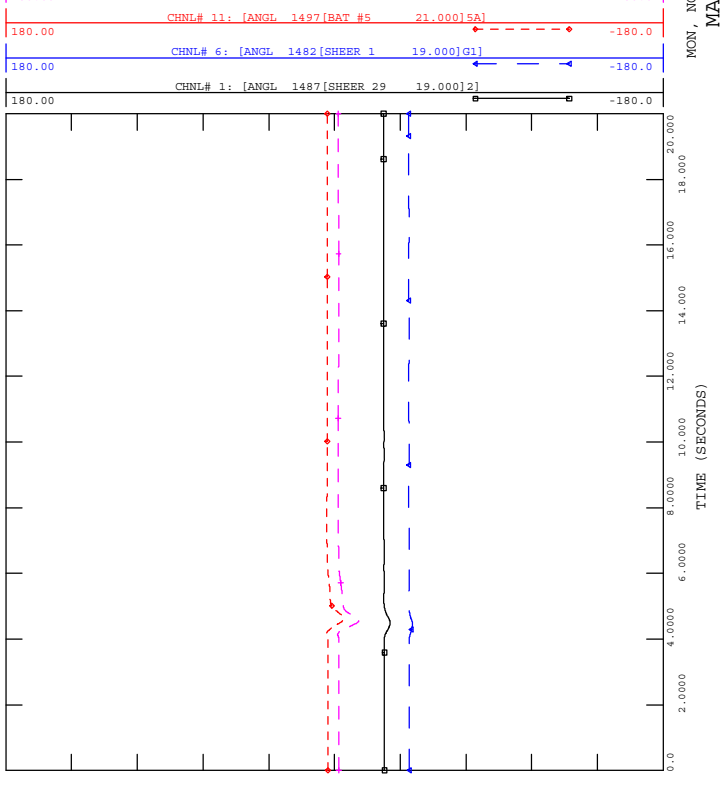
FILE: NEED_2021_SL_CASE03/7L224_S1752_650S-Hansman Lake.out



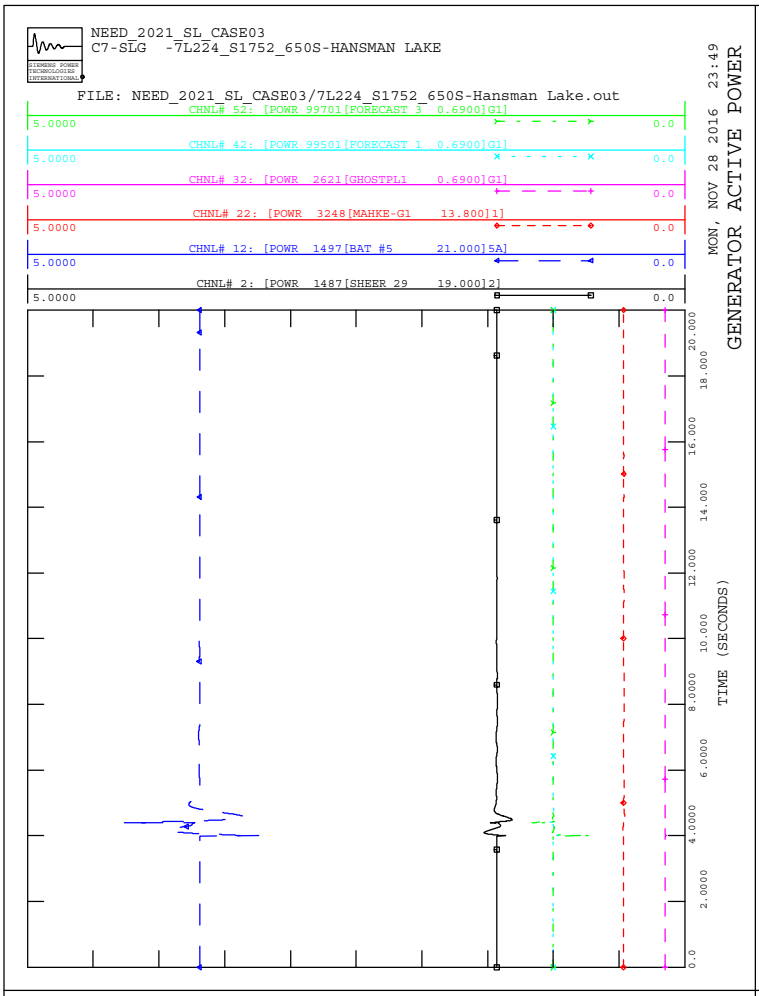
MON, NOV 28 2016 23:49
FREQUENCY

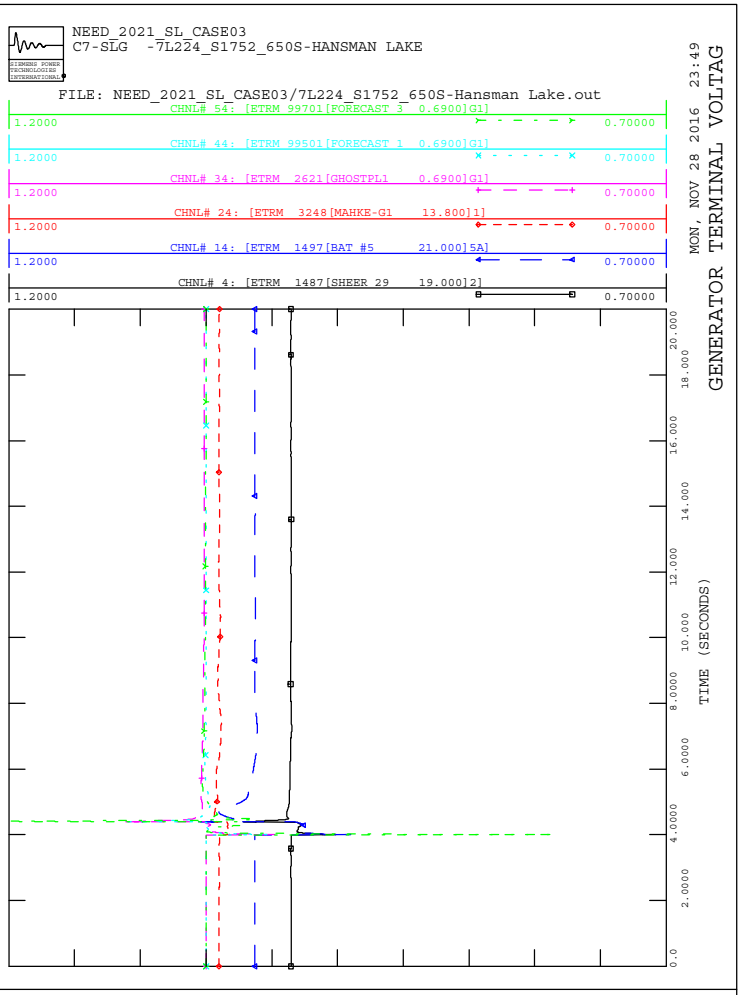
NEED_2021_SL_CASE03
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/7L224_S1752_650S-Hansman Lake.out



MON, NOV 28 2016 23:49
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/7L224_S1752_650S-Hansman Lake.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/7L224_S1752_650S-Hansman Lake.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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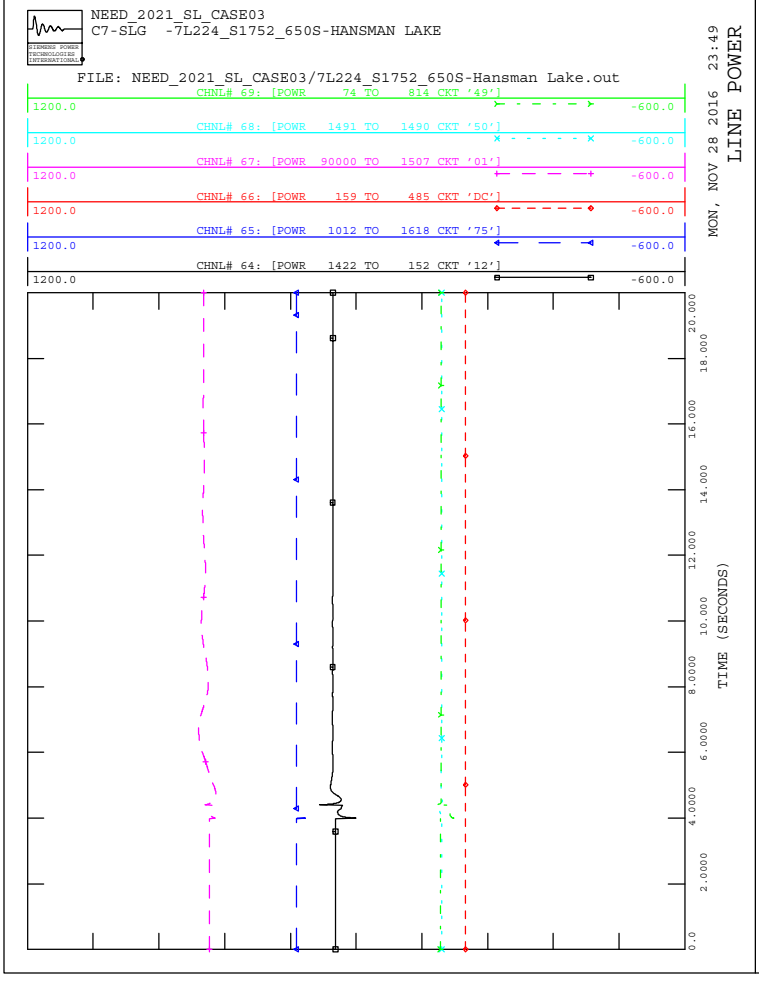
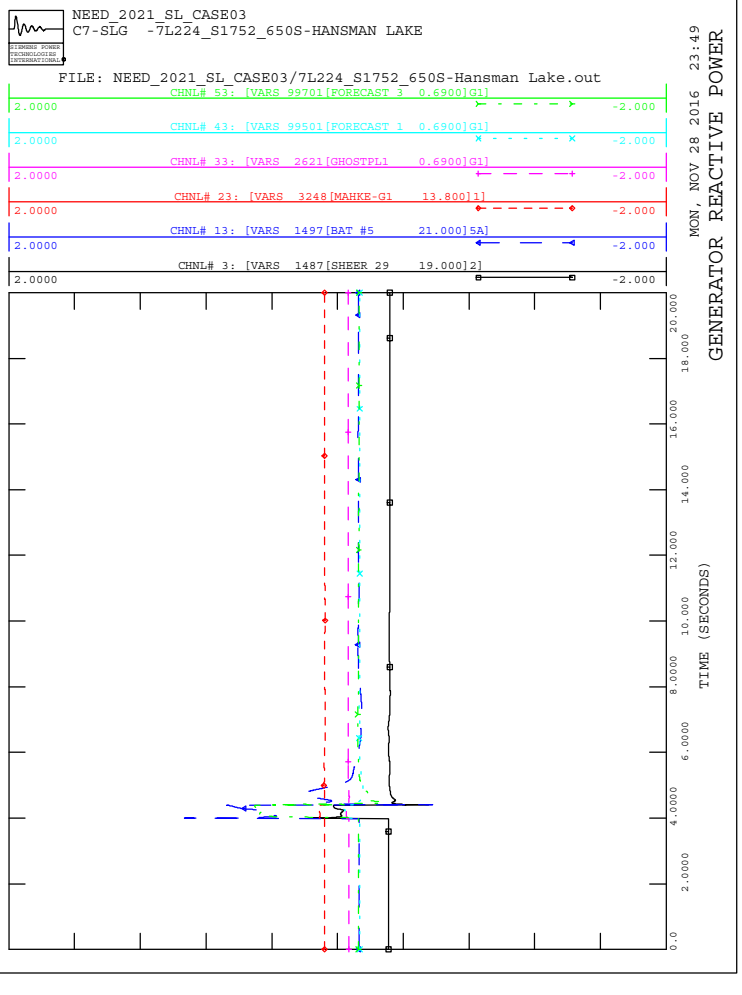
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/7L224_S1752_650S-Hansman Lake.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:49
LINE POWER

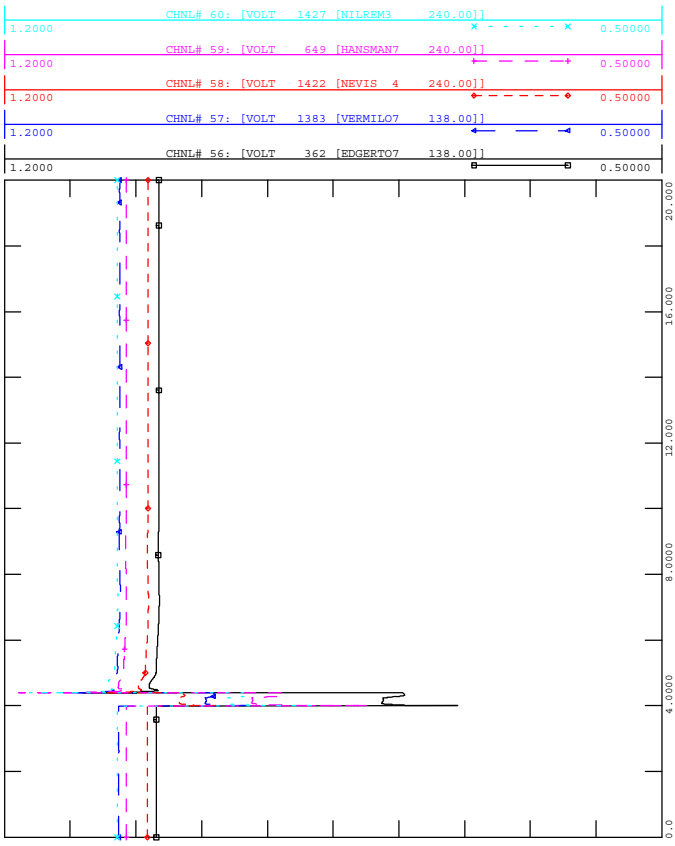

NEED_2021_SL_CASE03
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/7L224_S1752_650S-Hansman Lake.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:49
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -885L_S1752_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/885L_S1752_650S-Hansman Lake.out

MON, NOV 28 2016 23:49

BUS VOLTAGE

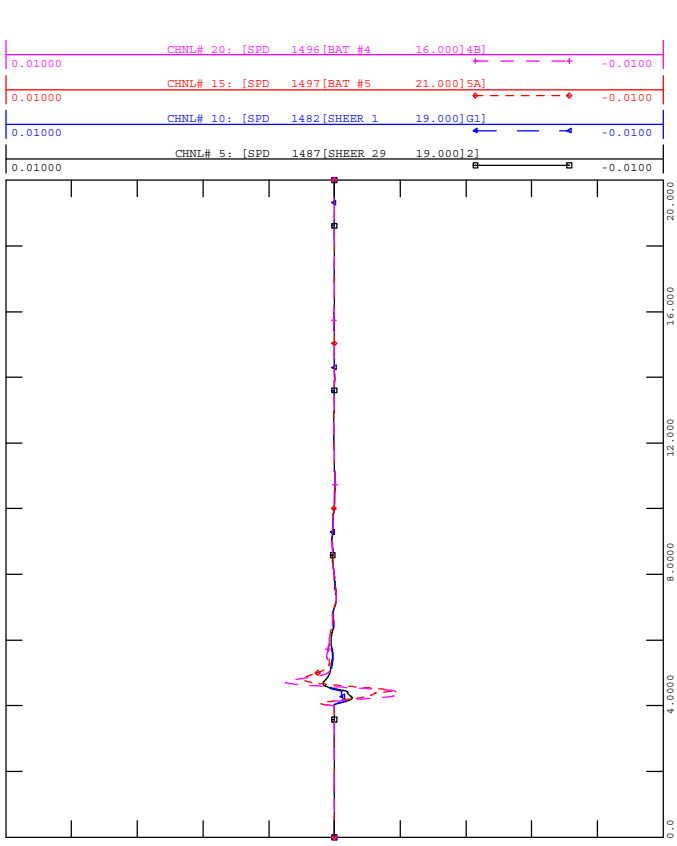


NEED_2021_SL_CASE03
C7-SLG -885L_S1752_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/885L_S1752_650S-Hansman Lake.out

MON, NOV 28 2016 23:49

MACHINE SPEED

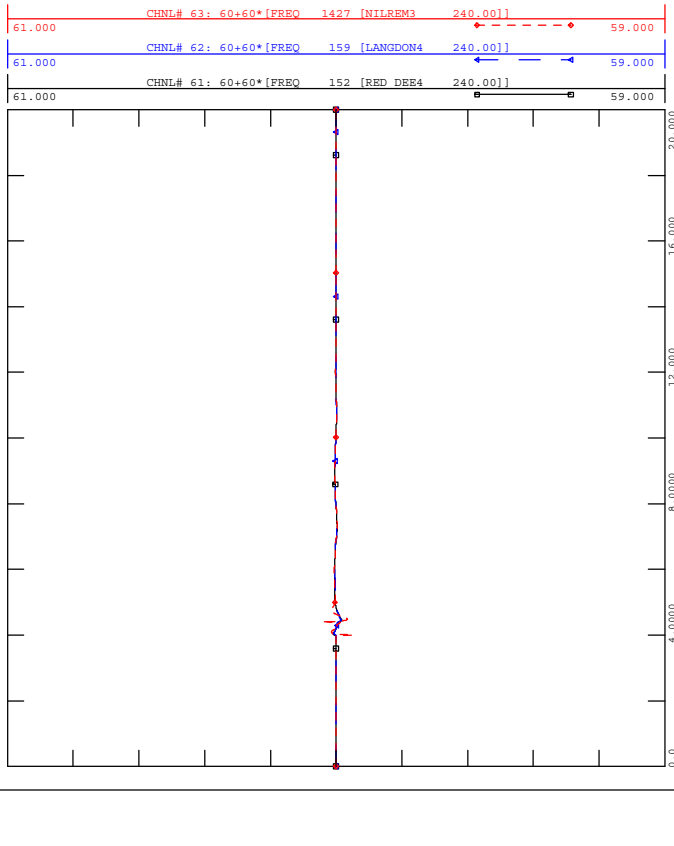


NEED_2021_SL_CASE03
C7-SLG -885L_S1752_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/885L_S1752_650S-Hansman Lake.out

MON, NOV 28 2016 23:49

FREQUENCY

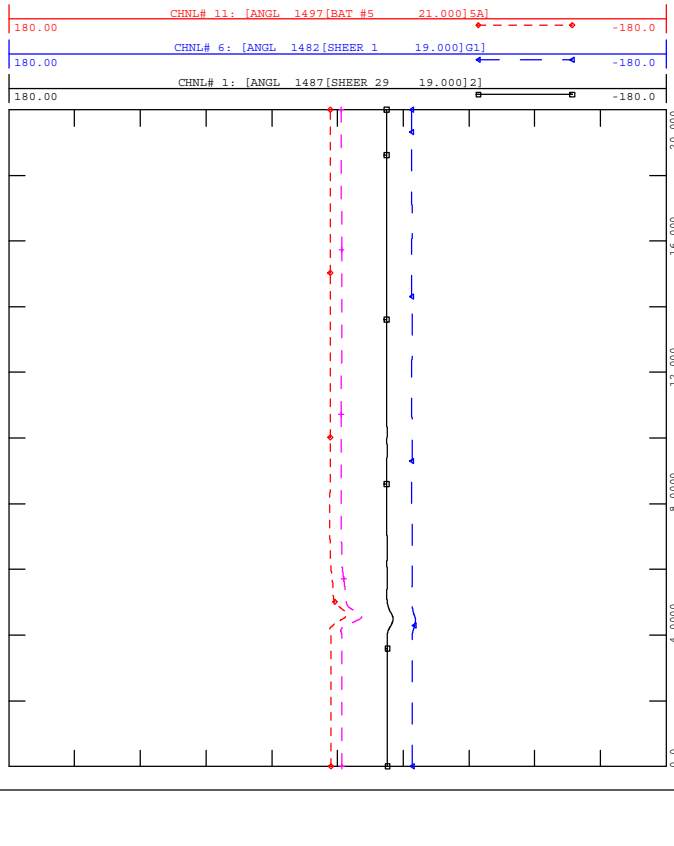


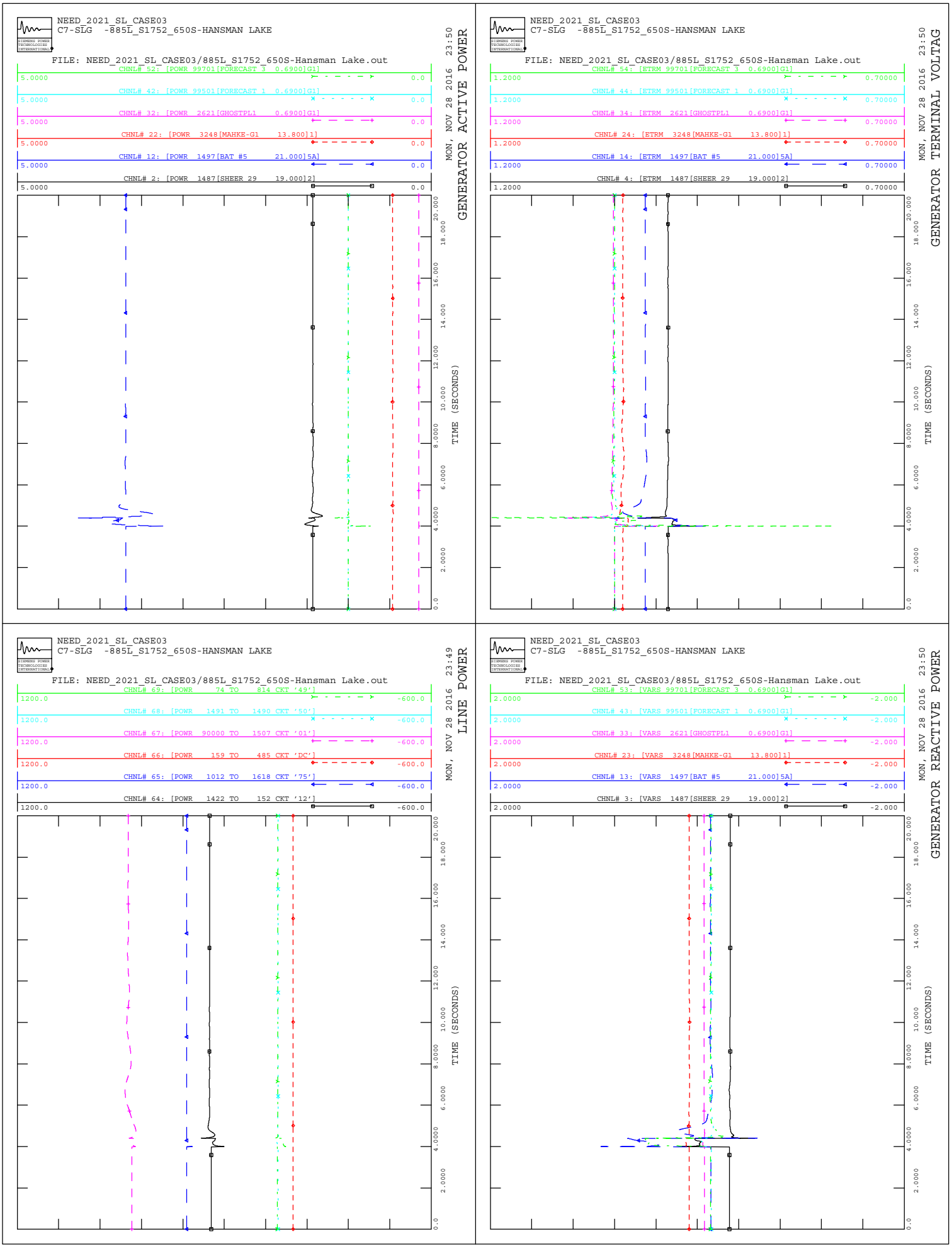
NEED_2021_SL_CASE03
C7-SLG -885L_S1752_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/885L_S1752_650S-Hansman Lake.out

MON, NOV 28 2016 23:49

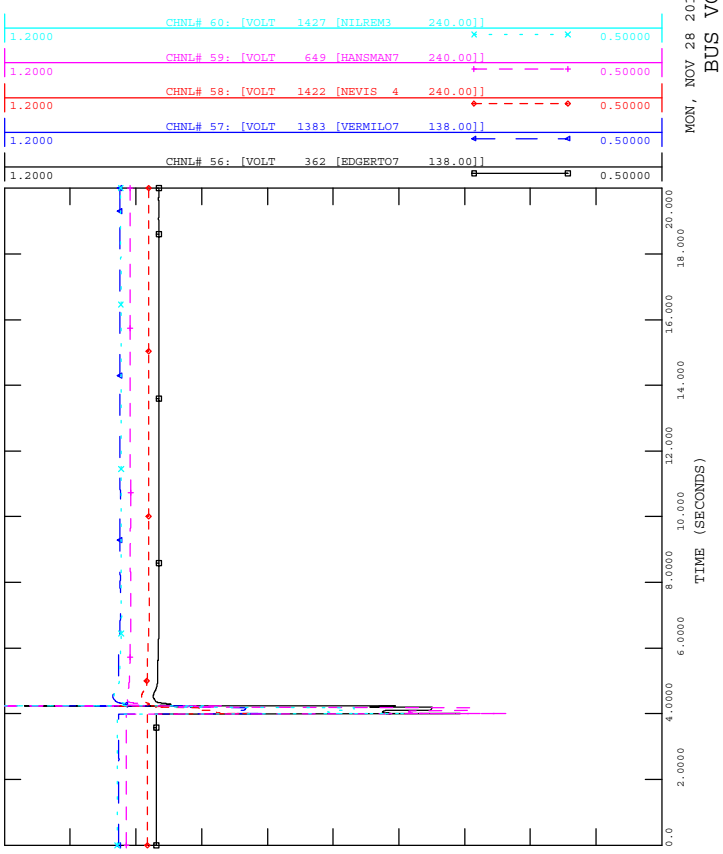
MACHINE ANGEL




NEED_2021_SL_CASE03
C7-SLG -885L_S1752_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/885L_S1752_650S-Hansman Lake.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 28 2016 23:50
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -885L_S1752_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/885L_S1752_650S-Hansman Lake.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 28 2016 23:50
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -885L_S1752_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/885L_S1752_650S-Hansman Lake.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 28 2016 23:49
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -885L_S1752_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/885L_S1752_650S-Hansman Lake.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 28 2016 23:50
TIME (SECONDS)

NEED_2021_SL_CASE03
C7-SLG -948L_S852_650S-HANSMAN LAKE

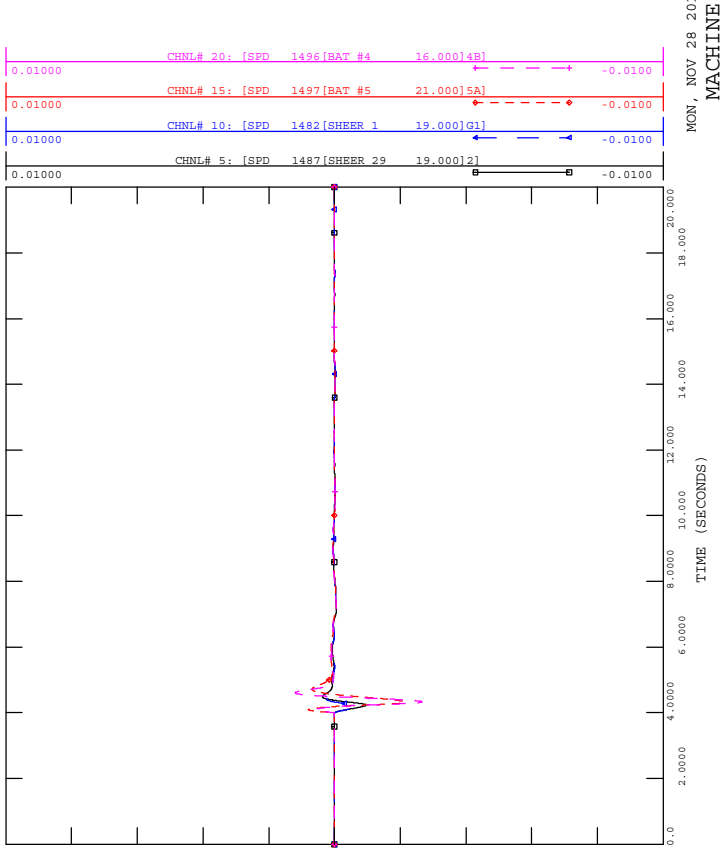
FILE: NEED_2021_SL_CASE03/948L_S852_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -948L_S852_650S-HANSMAN LAKE

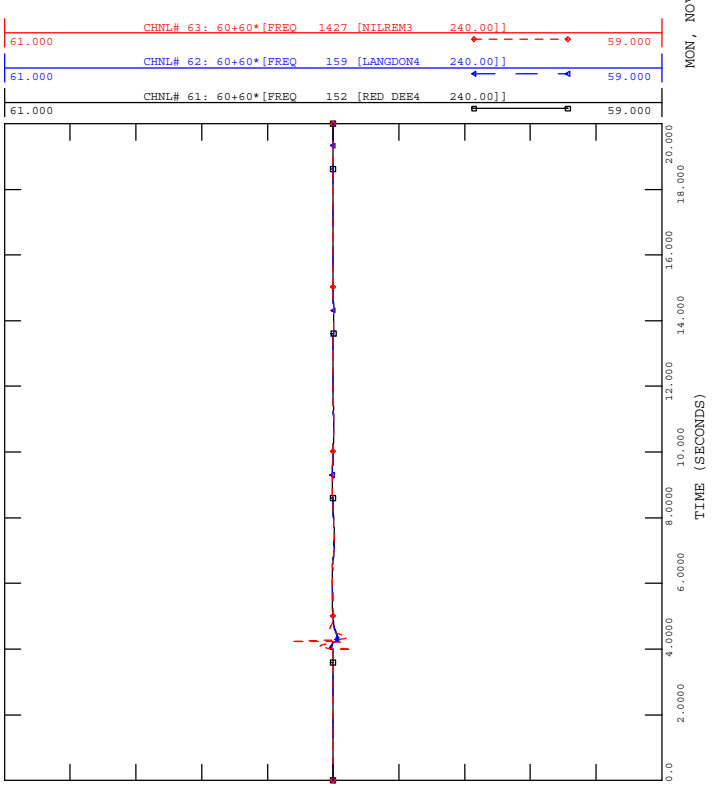
FILE: NEED_2021_SL_CASE03/948L_S852_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -948L_S852_650S-HANSMAN LAKE

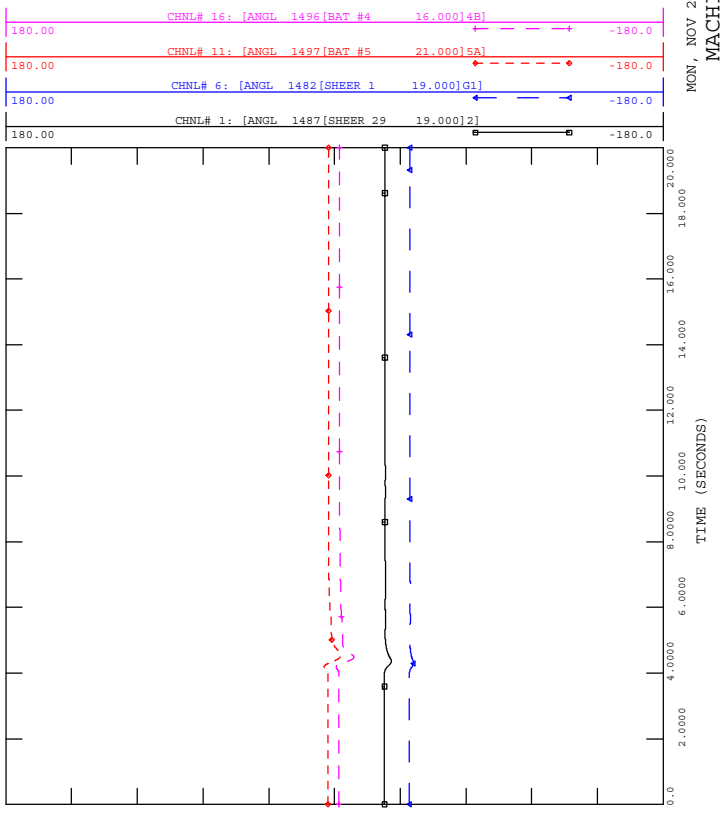
FILE: NEED_2021_SL_CASE03/948L_S852_650S-Hansman Lake.out



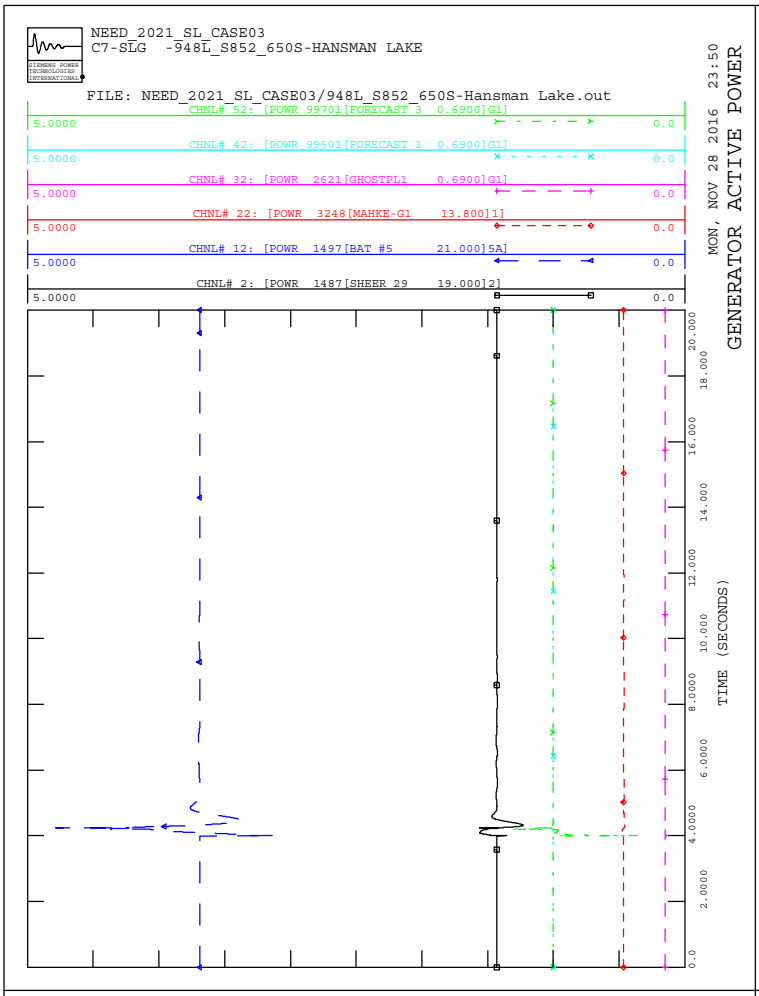
MON, NOV 28 2016 23:50
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/948L_S852_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -948L_S852_650S-HANSMAN LAKE
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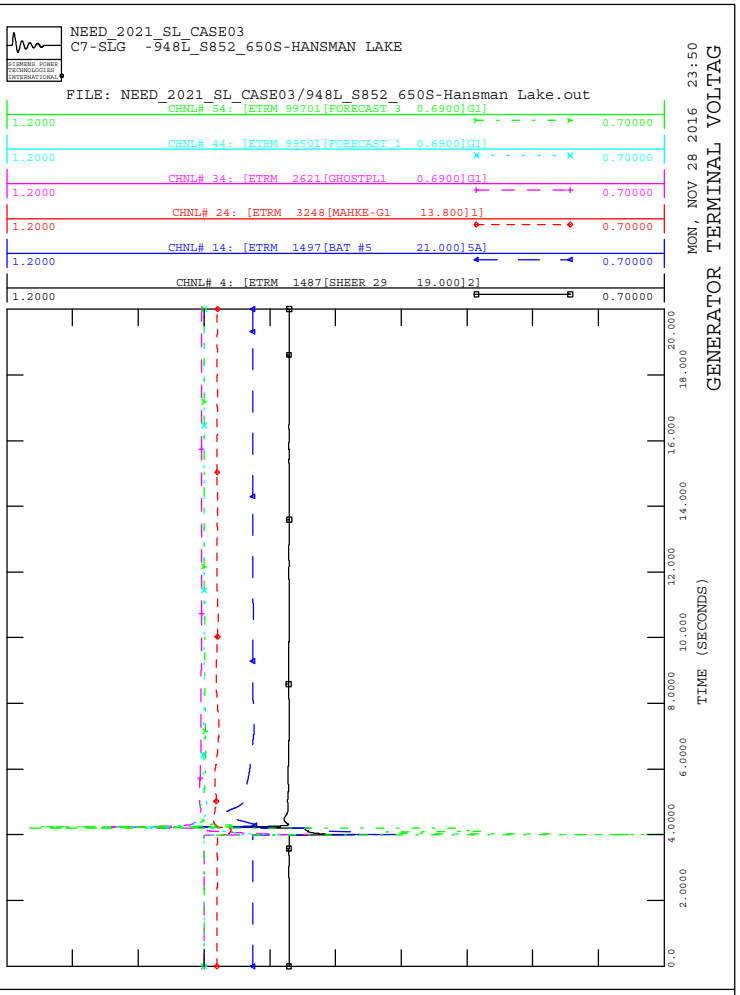
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -948L_S852_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/948L_S852_650S-Hansman Lake.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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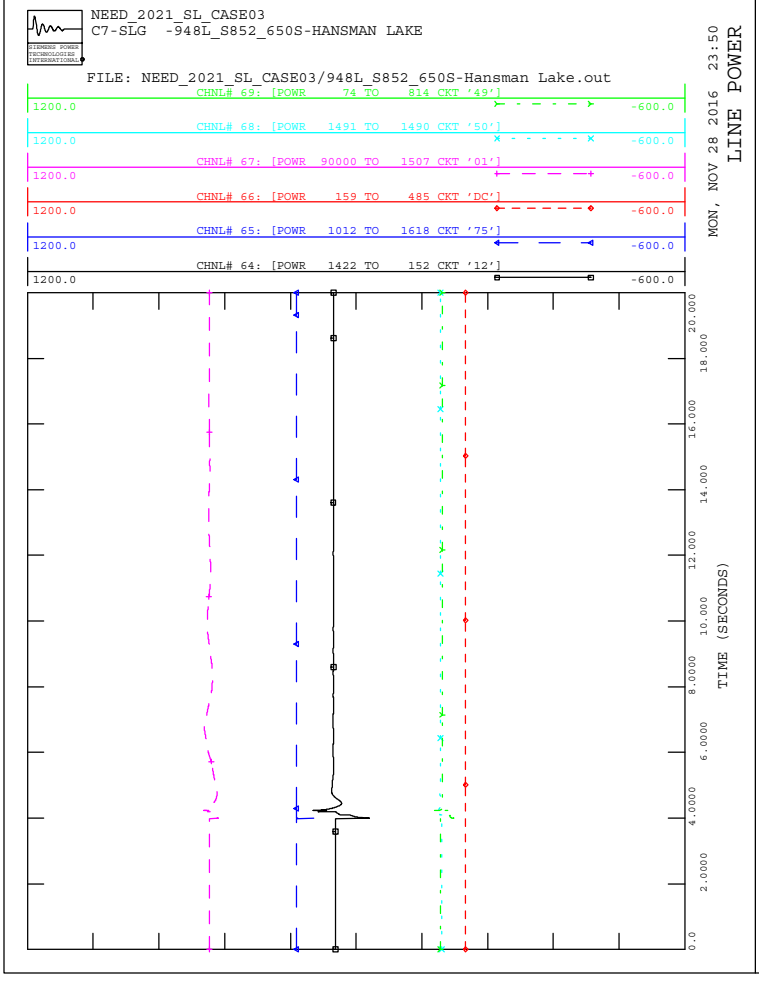
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG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C7-SLG -948L_S852_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/948L_S852_650S-Hansman Lake.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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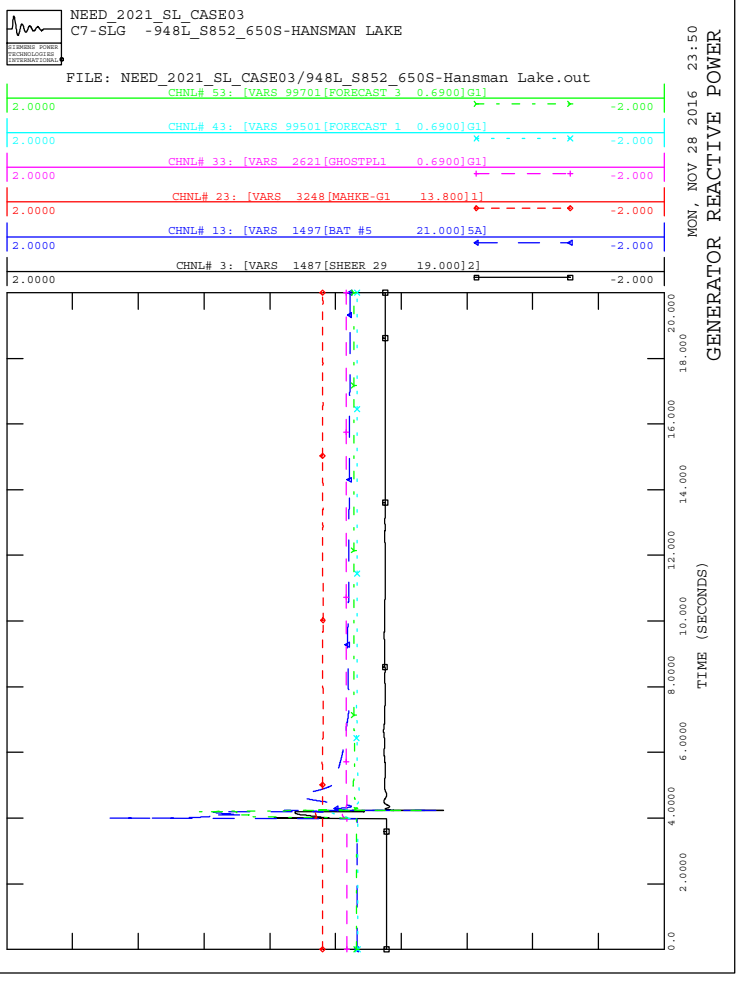
TIME (SECONDS)
MON, NOV 28 2016 23:50
LINE POWER


NEED_2021_SL_CASE03
C7-SLG -948L_S852_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/948L_S852_650S-Hansman Lake.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
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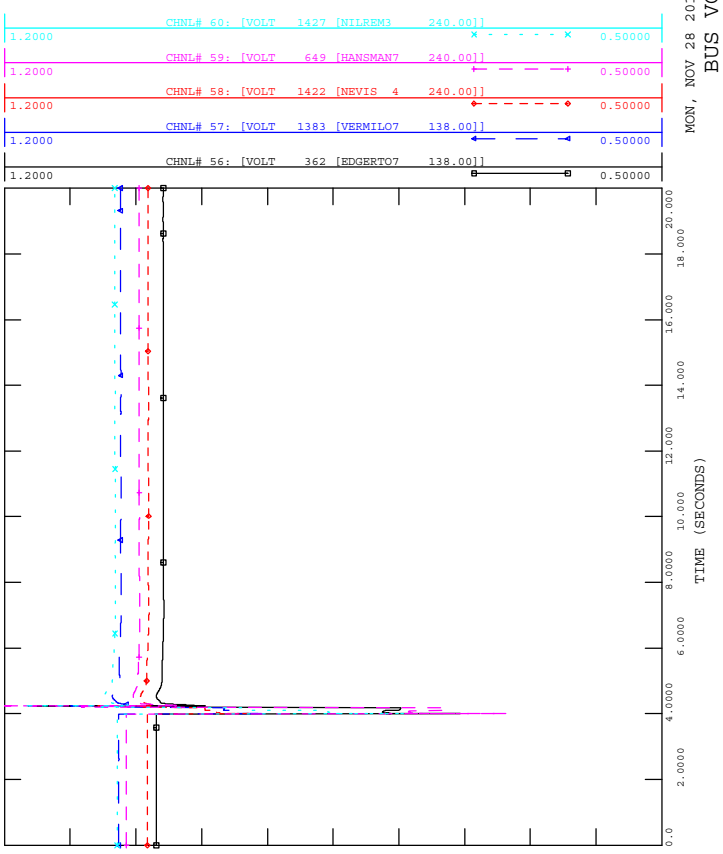
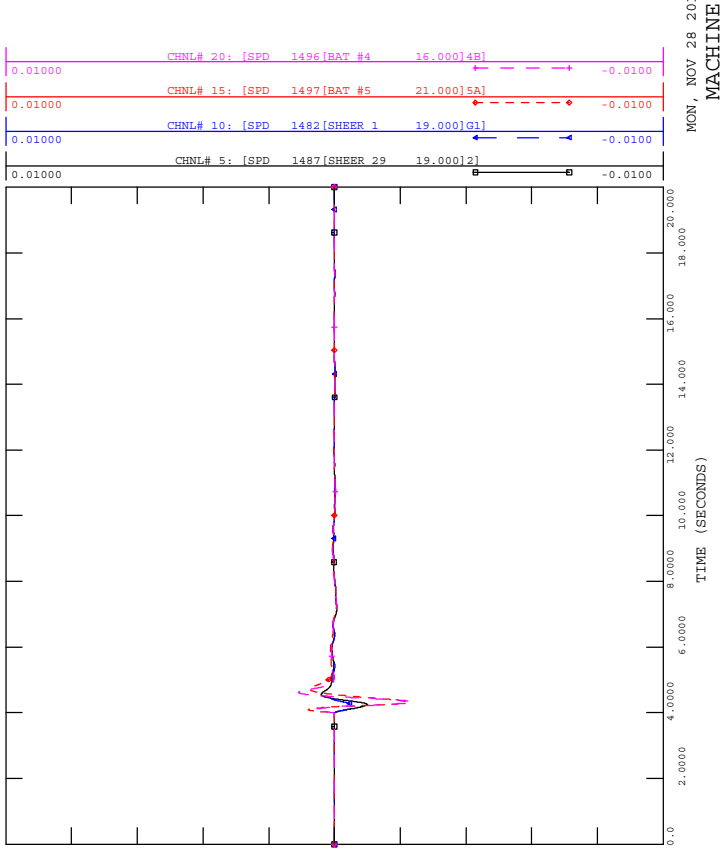
FILE: NEED_2021_SL_CASE03/1047L_S552_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -1047L_S552_650S-HANSMAN LAKE

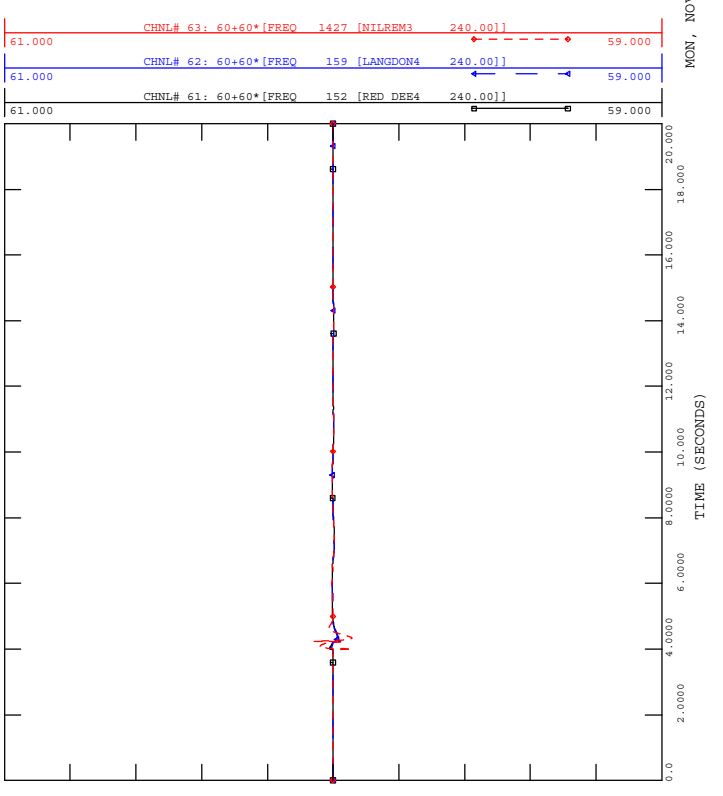
FILE: NEED_2021_SL_CASE03/1047L_S552_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -1047L_S552_650S-HANSMAN LAKE

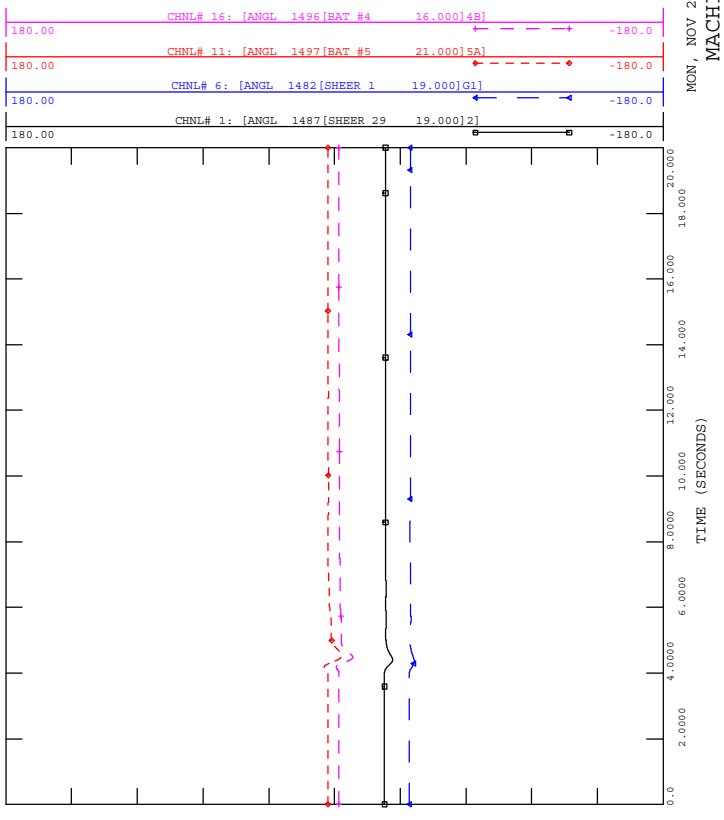
FILE: NEED_2021_SL_CASE03/1047L_S552_650S-Hansman Lake.out



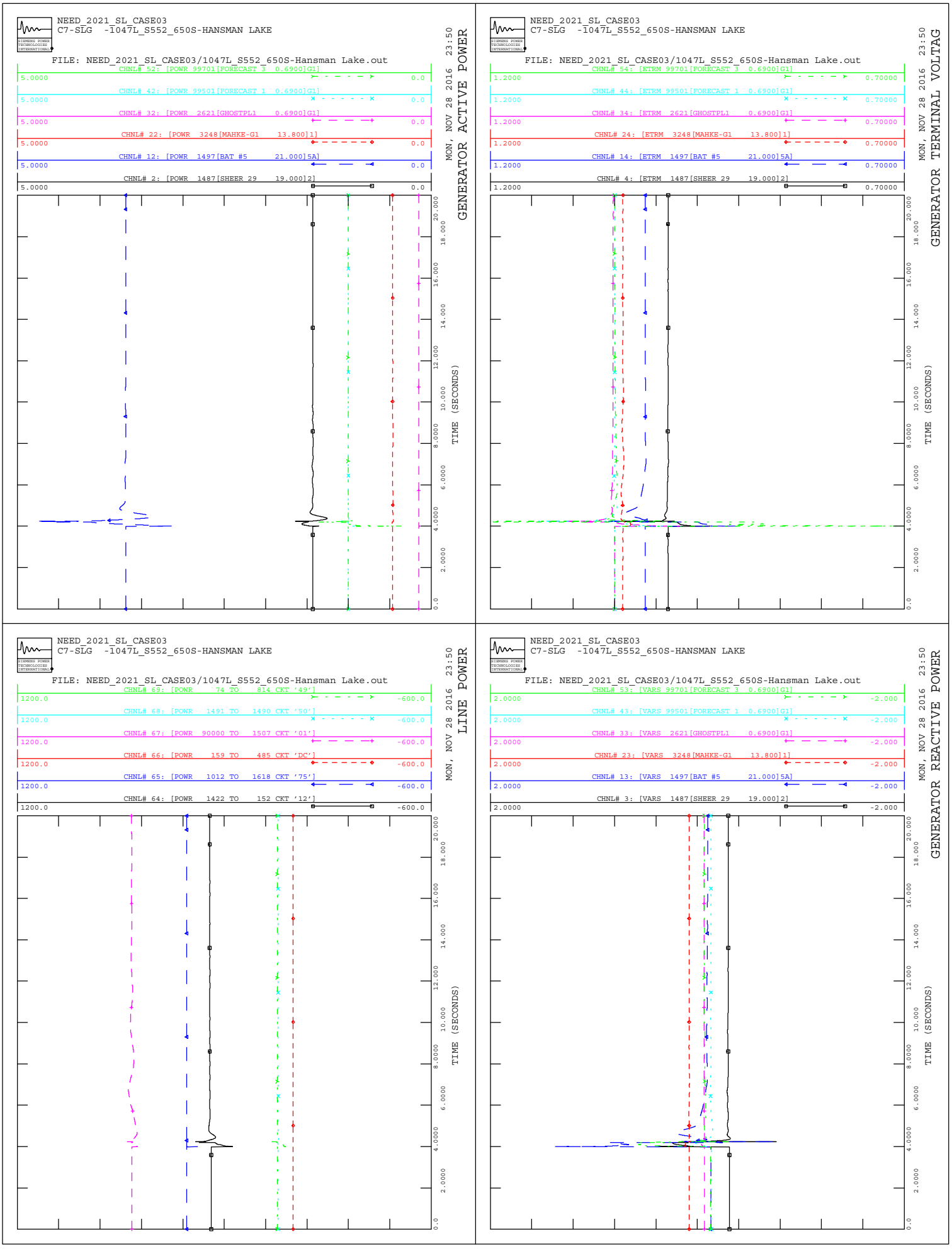
MON, NOV 28 2016 23:50
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -1047L_S552_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/1047L_S552_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
MACHINE ANGEL

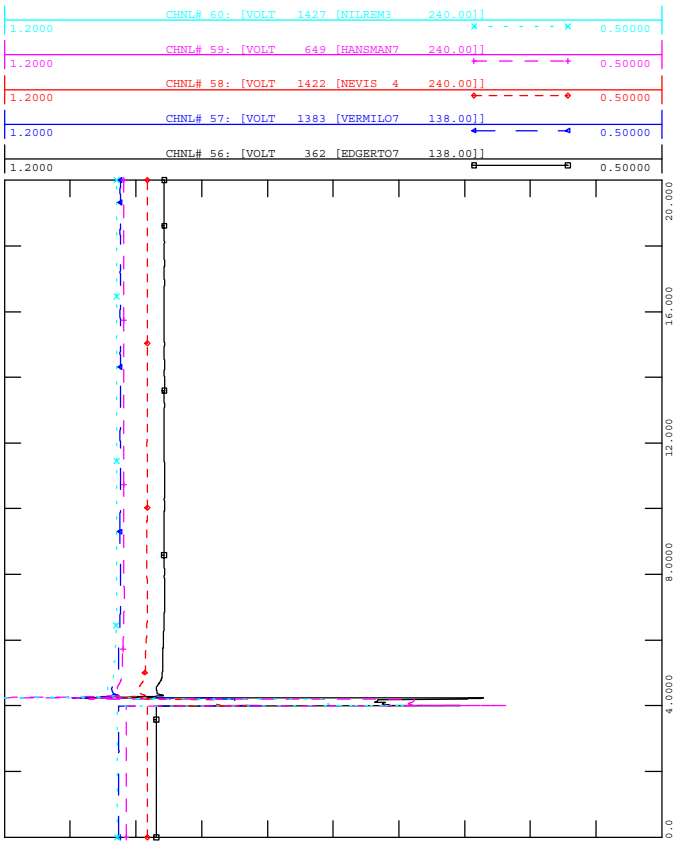

NEED_2021_SL_CASE03
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/1047L_S552_650S-Hansman Lake.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 28 2016 23:50
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/1047L_S552_650S-Hansman Lake.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 28 2016 23:50
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/1047L_S552_650S-Hansman Lake.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 28 2016 23:50
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: NEED_2021_SL_CASE03/1047L_S552_650S-Hansman Lake.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 28 2016 23:50
TIME (SECONDS)

NEED_2021_SL_CASE03
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/954L_S752_650S-Hansman Lake.out

MON, NOV 28 2016 23:50

BUS VOLTAGE

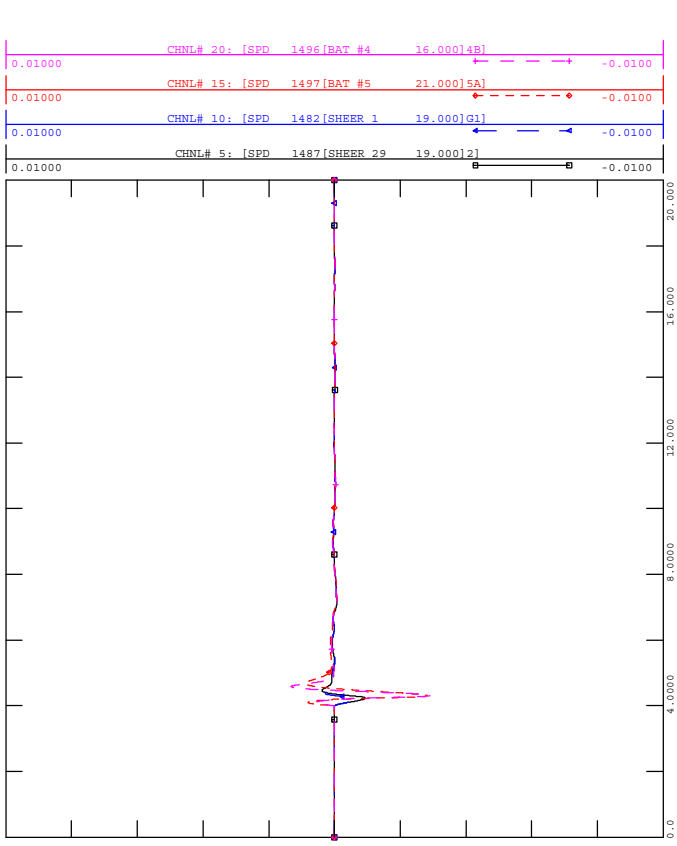


NEED_2021_SL_CASE03
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/954L_S752_650S-Hansman Lake.out

MON, NOV 28 2016 23:50

MACHINE SPEED

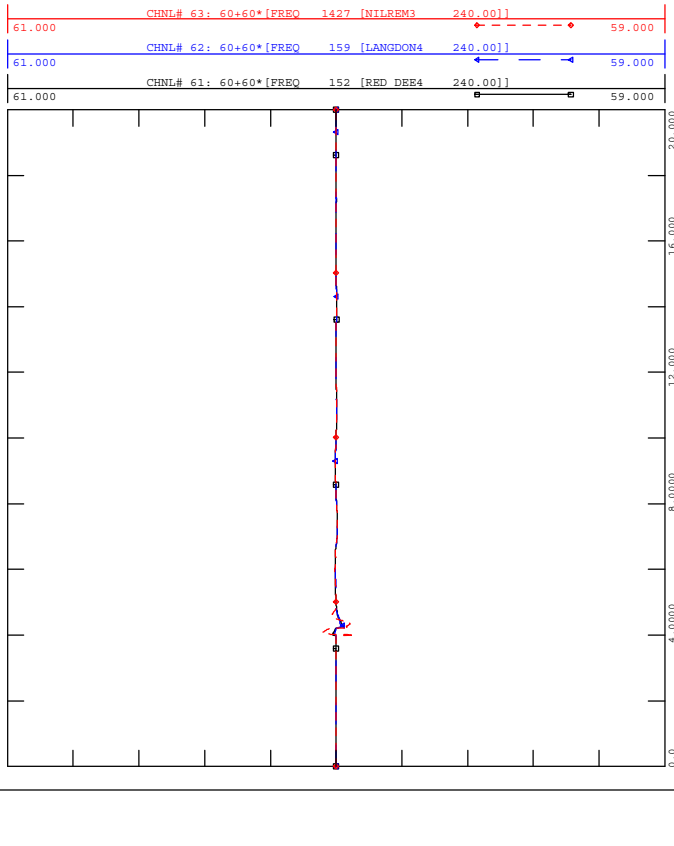


NEED_2021_SL_CASE03
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/954L_S752_650S-Hansman Lake.out

MON, NOV 28 2016 23:50

FREQUENCY

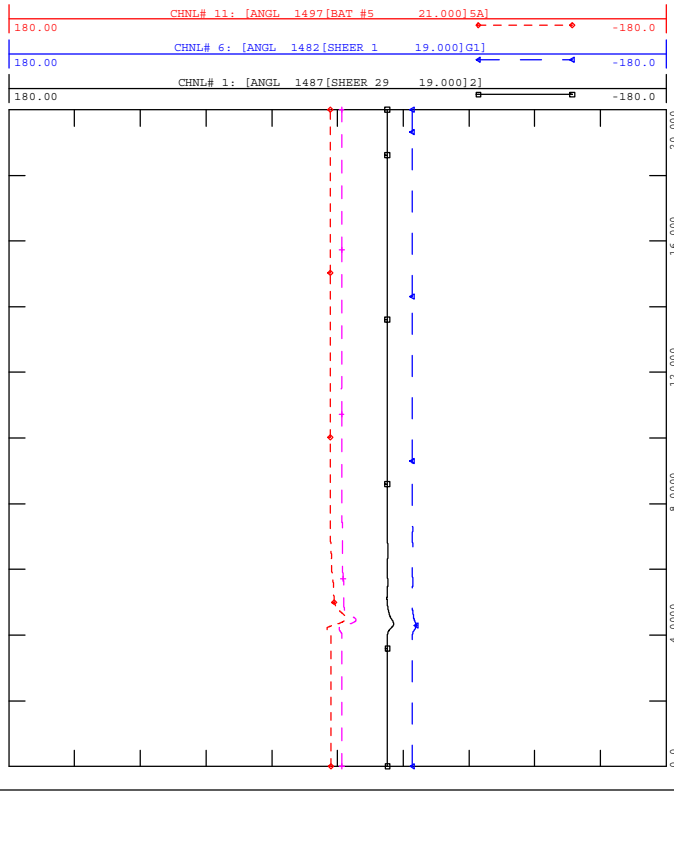


NEED_2021_SL_CASE03
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/954L_S752_650S-Hansman Lake.out

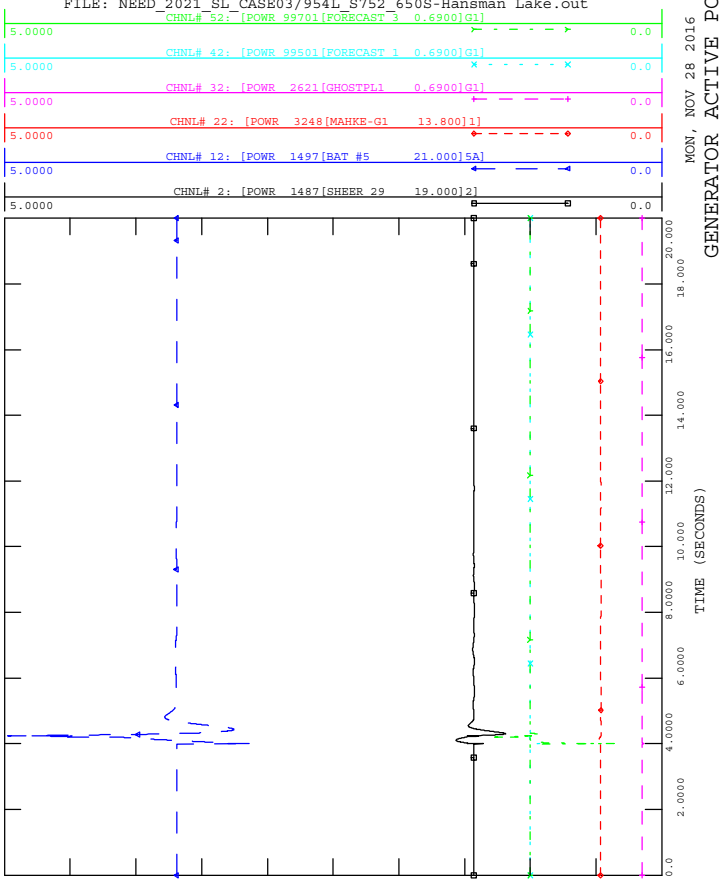
MON, NOV 28 2016 23:50

MACHINE ANGEL



NEED_2021_SL_CASE03
C7-SLG -954L_S752_650S-HANSMAN LAKE

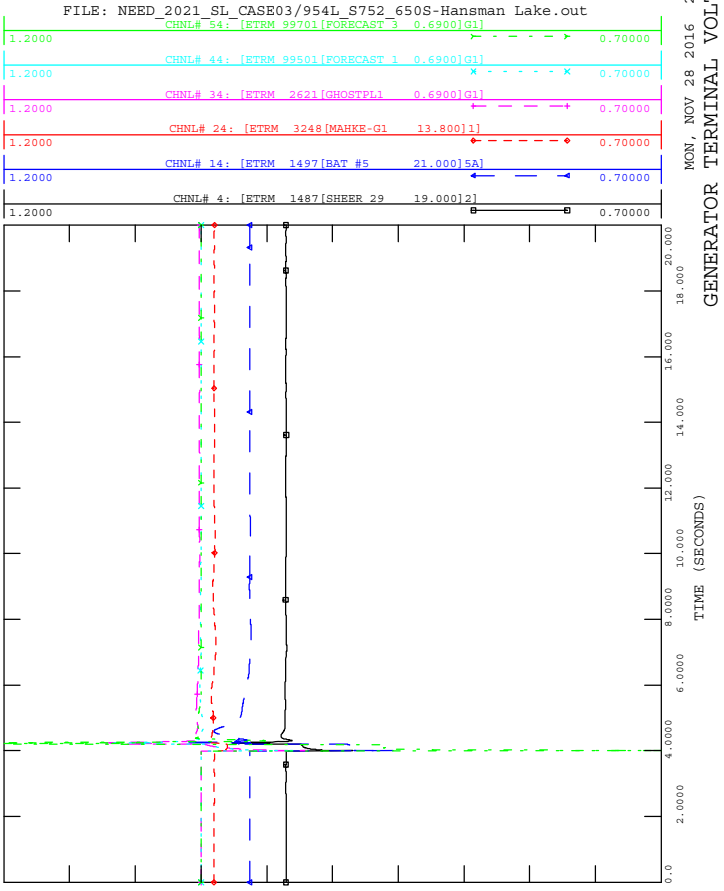
FILE: NEED_2021_SL_CASE03/954L_S752_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -954L_S752_650S-HANSMAN LAKE

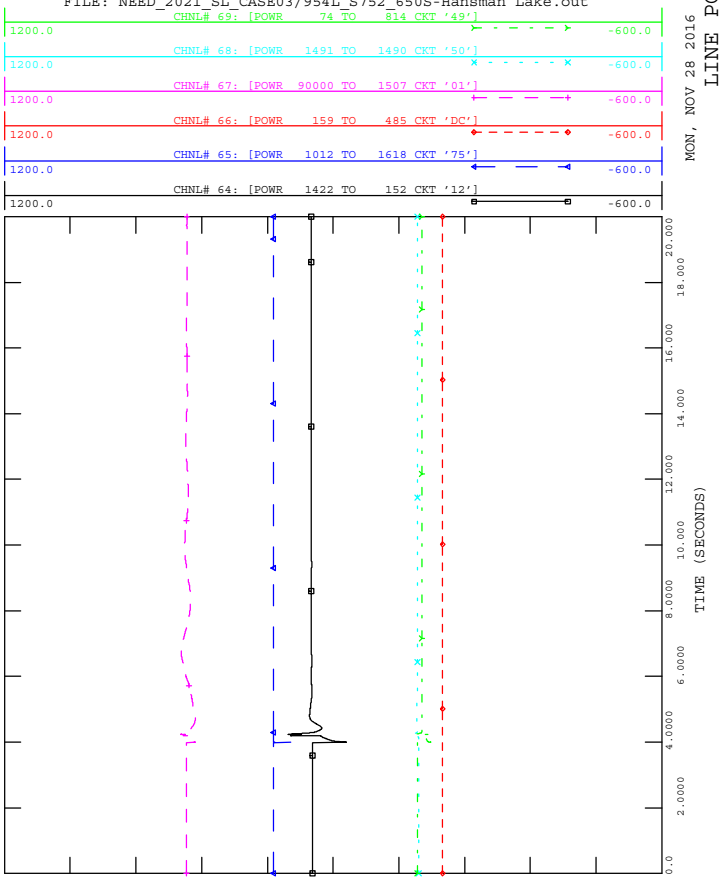
FILE: NEED_2021_SL_CASE03/954L_S752_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
C7-SLG -954L_S752_650S-HANSMAN LAKE

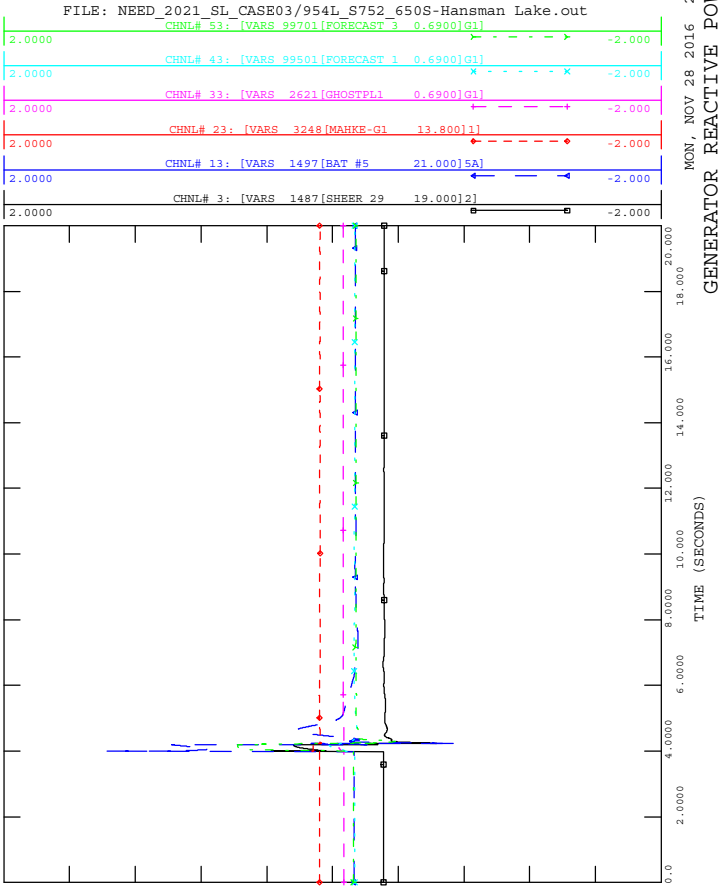
FILE: NEED_2021_SL_CASE03/954L_S752_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
LINE POWER

NEED_2021_SL_CASE03
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/954L_S752_650S-Hansman Lake.out



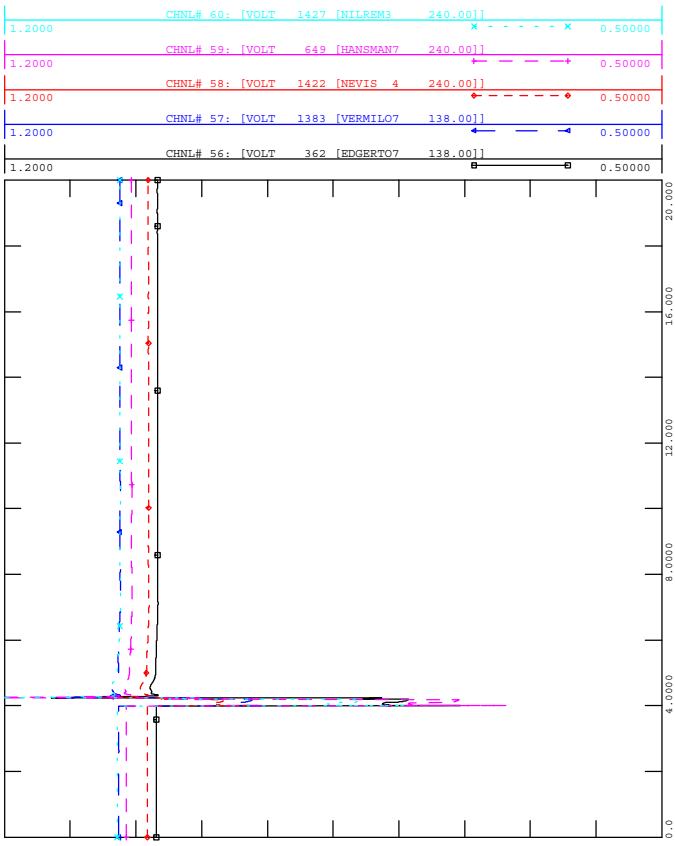
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/966L_S452_650S-Hansman Lake.out

MON, NOV 28 2016 23:50

BUS VOLTAGE

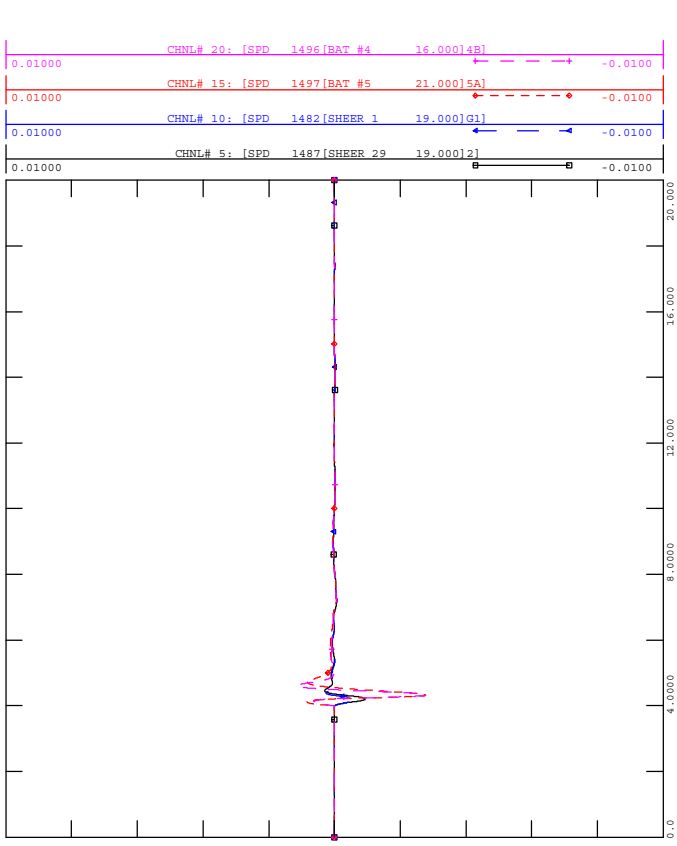


NEED_2021_SL_CASE03
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/966L_S452_650S-Hansman Lake.out

MON, NOV 28 2016 23:50

MACHINE SPEED

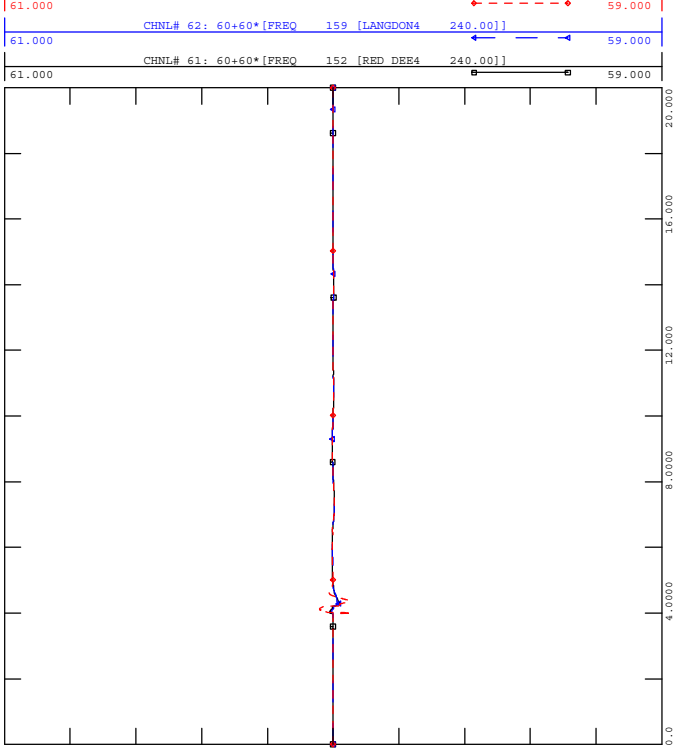


NEED_2021_SL_CASE03
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/966L_S452_650S-Hansman Lake.out

MON, NOV 28 2016 23:50

FREQUENCY

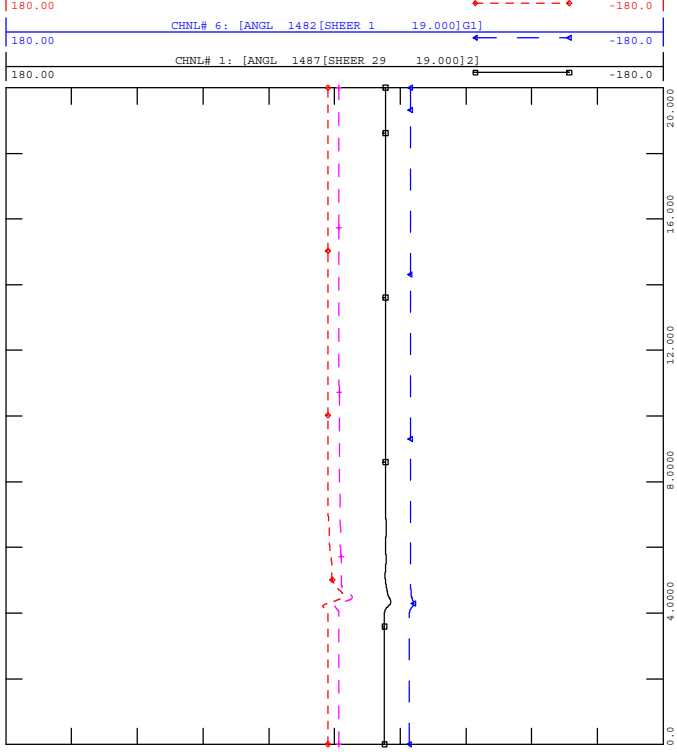


NEED_2021_SL_CASE03
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: NEED_2021_SL_CASE03/966L_S452_650S-Hansman Lake.out

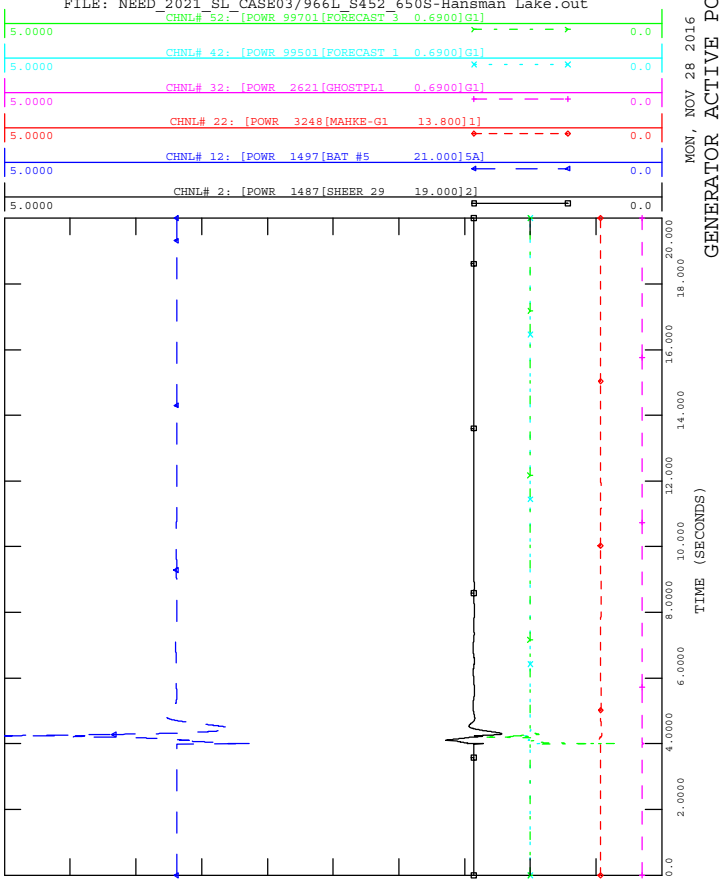
MON, NOV 28 2016 23:50

MACHINE ANGEL



NEED_2021_SL_CASE03
C7-SLG -966L_S452_650S-HANSMAN LAKE

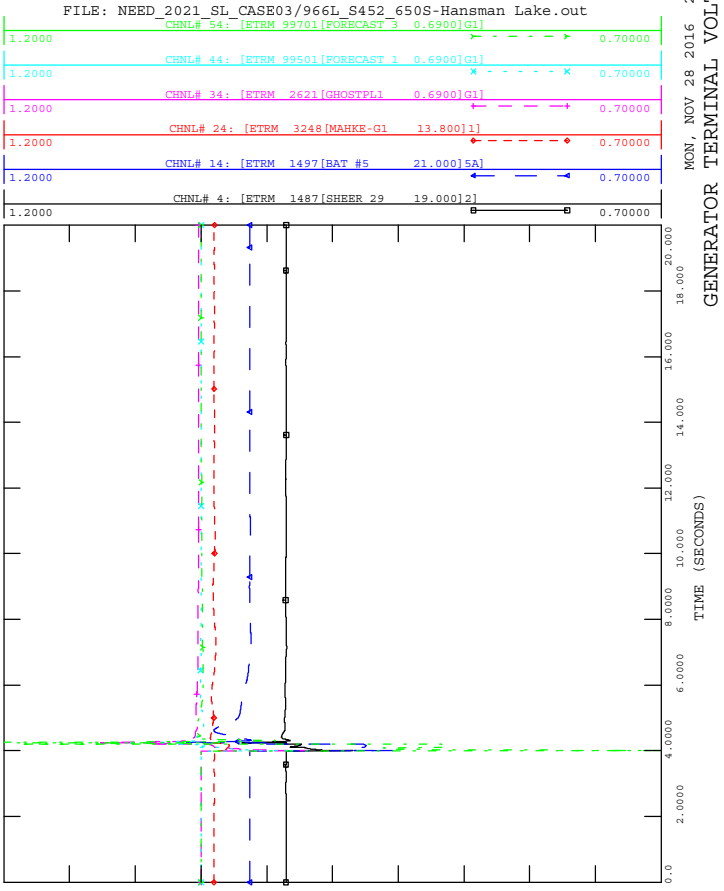
FILE: NEED_2021_SL_CASE03/966L_S452_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -966L_S452_650S-HANSMAN LAKE

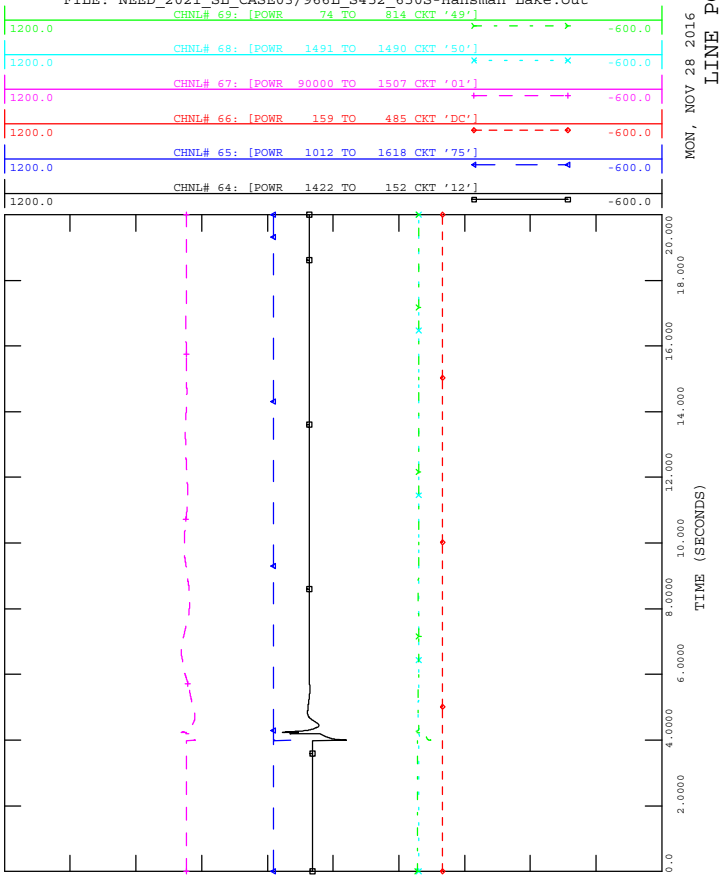
FILE: NEED_2021_SL_CASE03/966L_S452_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG

NEED_2021_SL_CASE03
C7-SLG -966L_S452_650S-HANSMAN LAKE

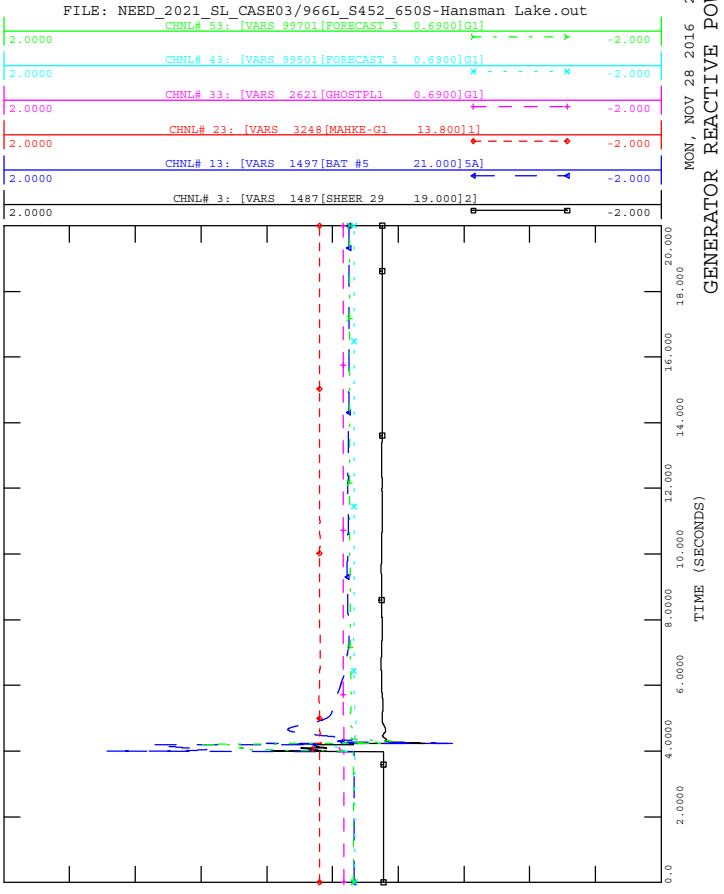
FILE: NEED_2021_SL_CASE03/966L_S452_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
LINE POWER

NEED_2021_SL_CASE03
C7-SLG -966L_S452_650S-HANSMAN LAKE

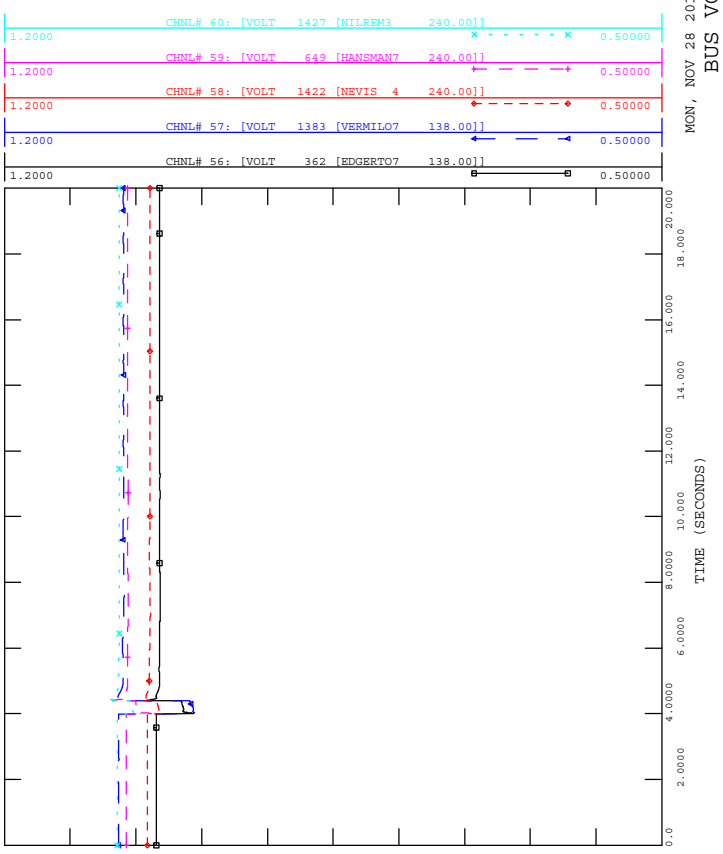
FILE: NEED_2021_SL_CASE03/966L_S452_650S-Hansman Lake.out



MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -174L_S175_395S-NORTH HOLDEN

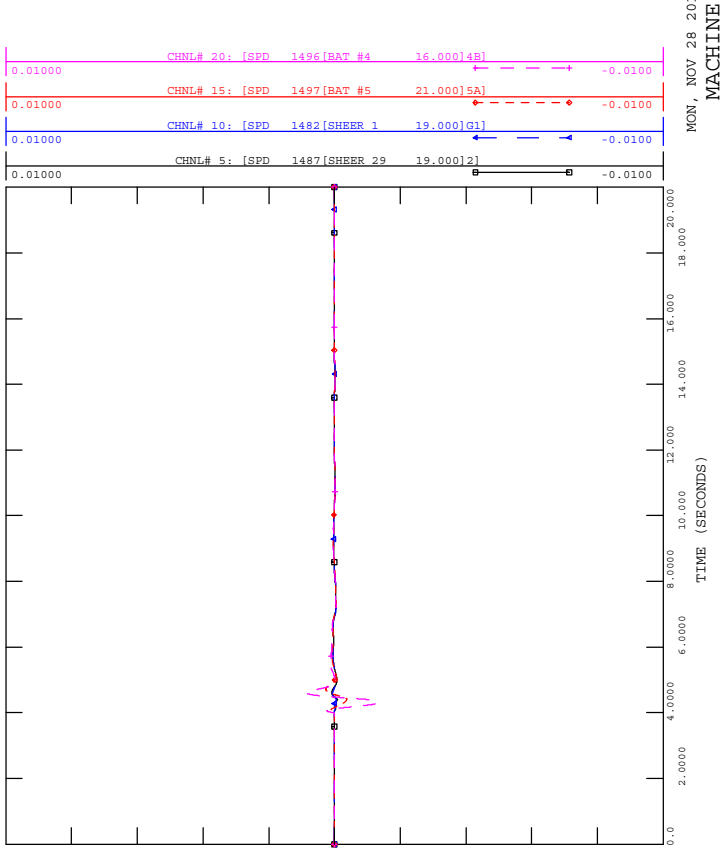
FILE: NEED_2021_SL_CASE03/174L_S175_395S-North Holden.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -174L_S175_395S-NORTH HOLDEN

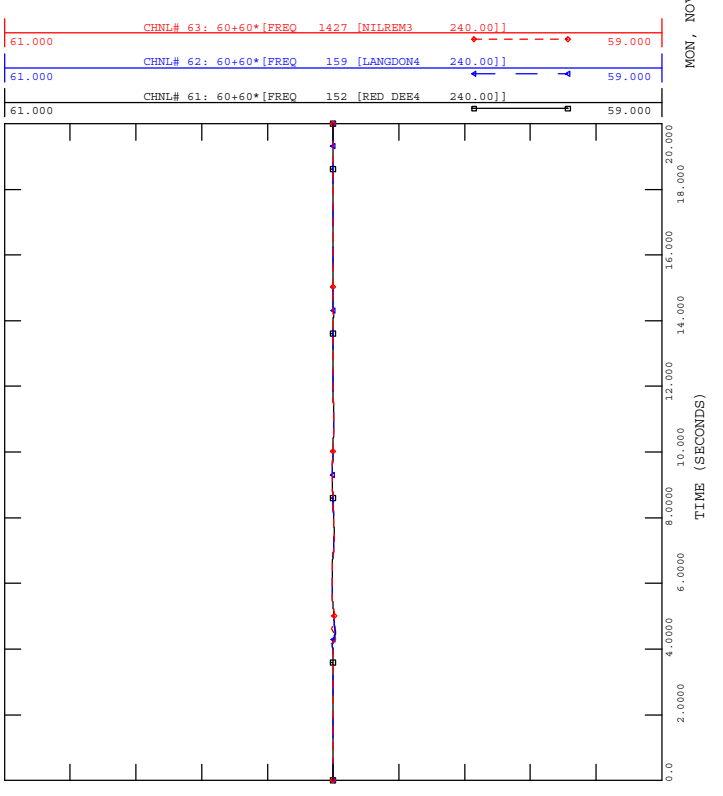
FILE: NEED_2021_SL_CASE03/174L_S175_395S-North Holden.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -174L_S175_395S-NORTH HOLDEN

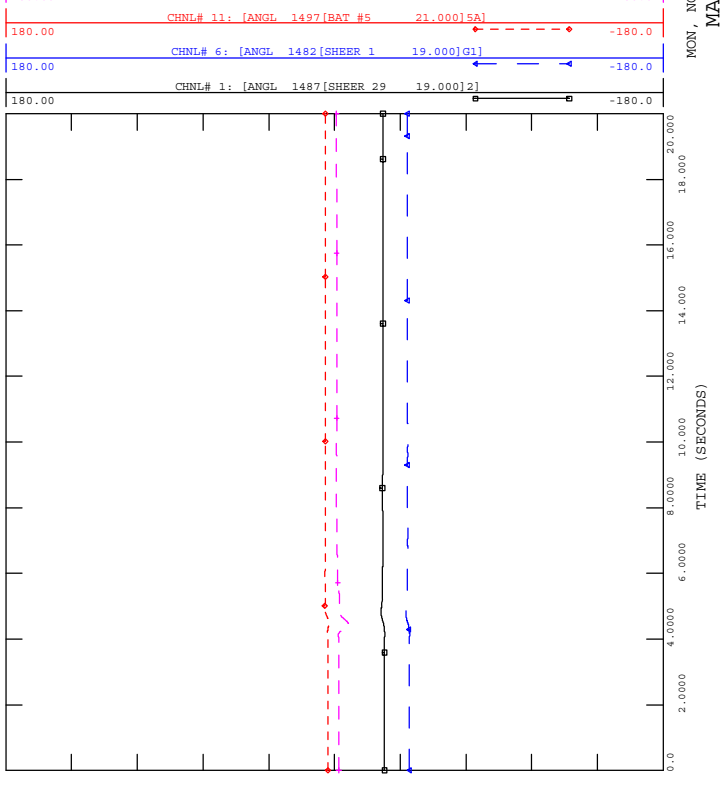
FILE: NEED_2021_SL_CASE03/174L_S175_395S-North Holden.out



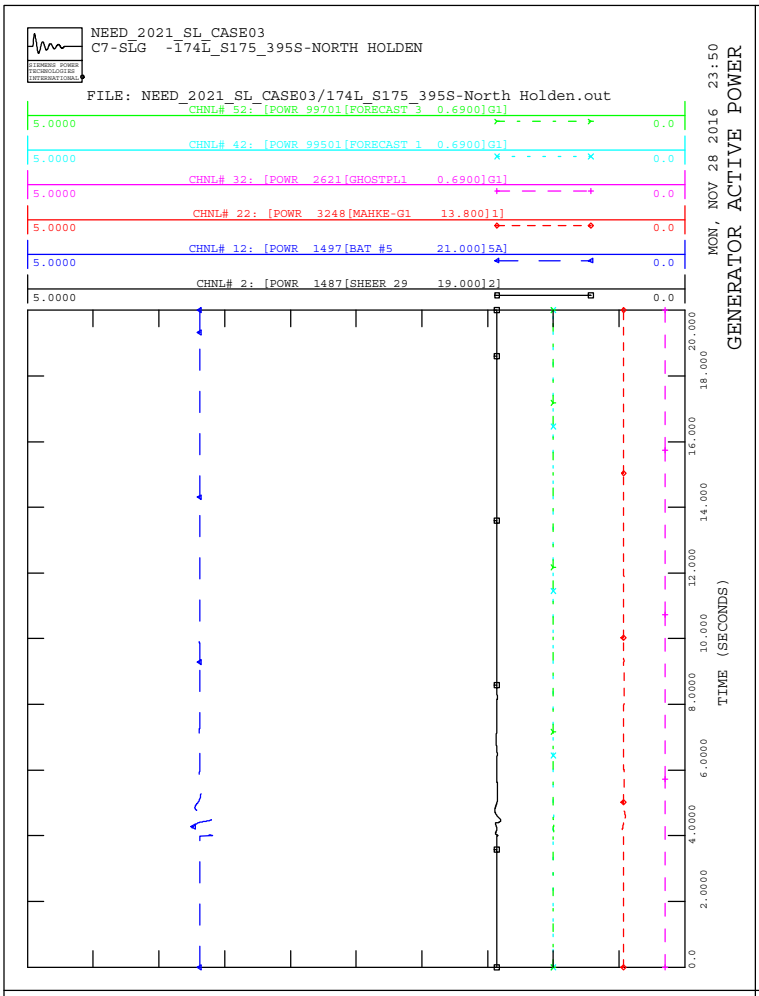
MON, NOV 28 2016 23:50
FREQUENCY

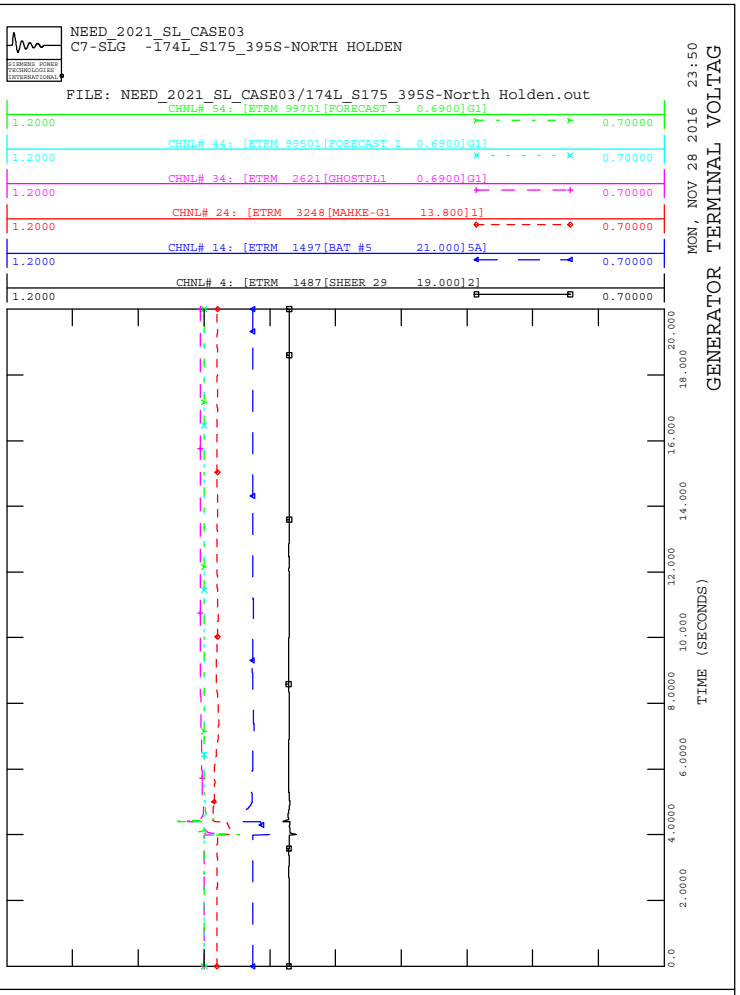
NEED_2021_SL_CASE03
C7-SLG -174L_S175_395S-NORTH HOLDEN

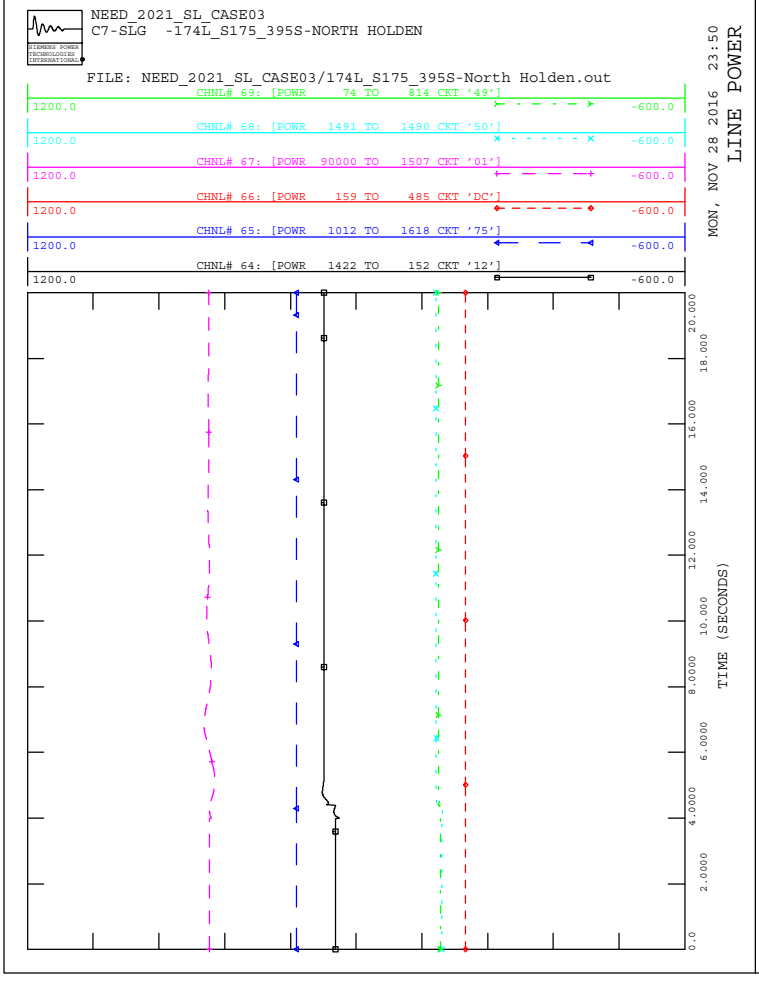
FILE: NEED_2021_SL_CASE03/174L_S175_395S-North Holden.out

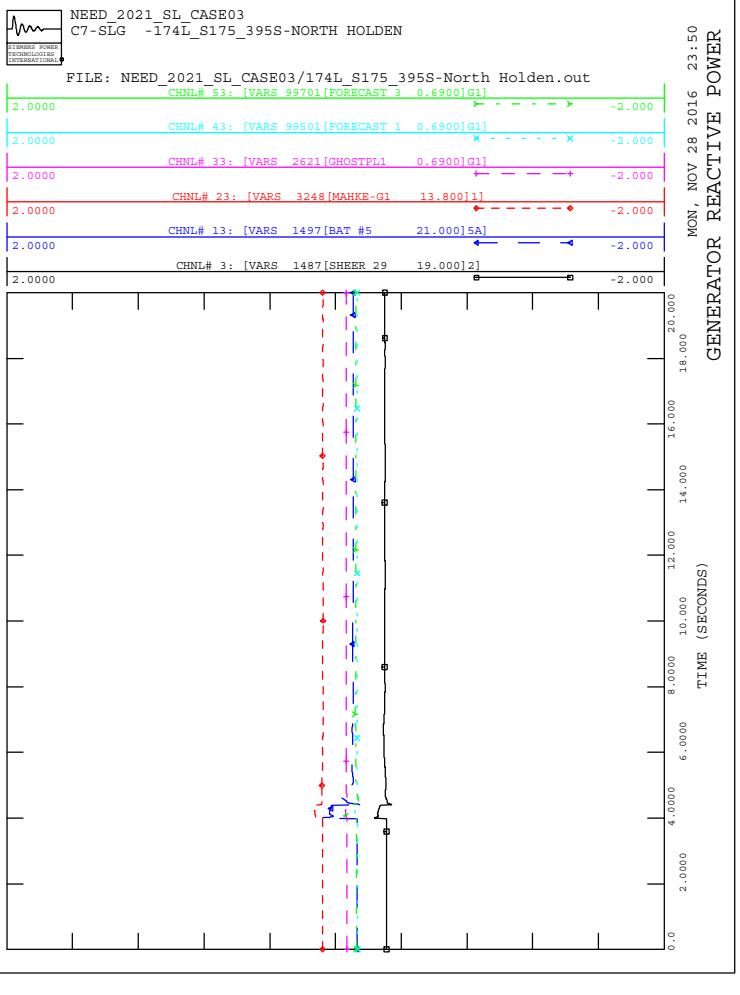


MON, NOV 28 2016 23:50
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -174L_S175_395S-NORTH HOLDEN
FILE: NEED_2021_SL_CASE03/174L_S175_395S-North Holden.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER

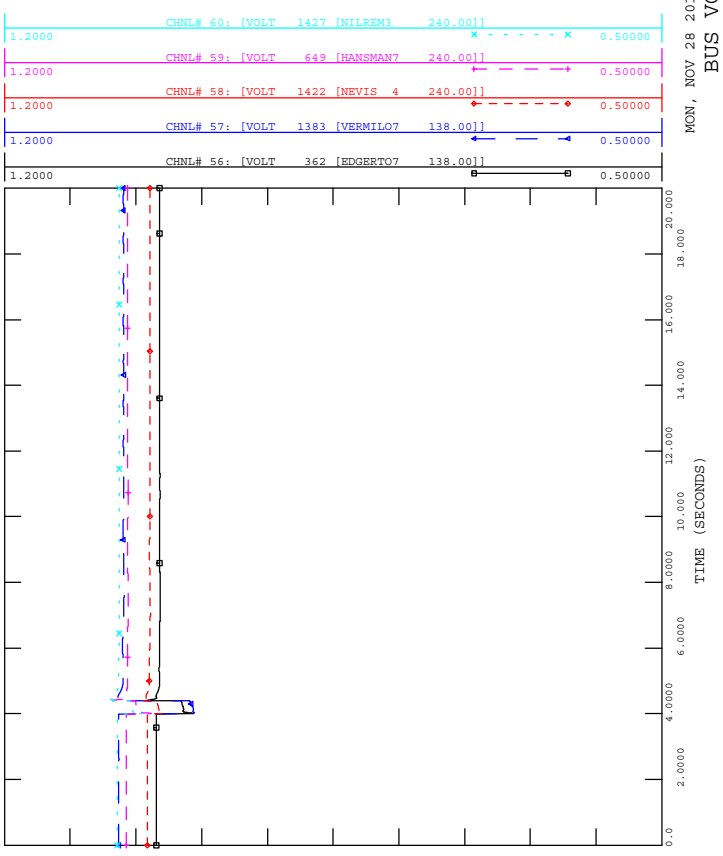

NEED_2021_SL_CASE03
C7-SLG -174L_S175_395S-NORTH HOLDEN
FILE: NEED_2021_SL_CASE03/174L_S175_395S-North Holden.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -174L_S175_395S-NORTH HOLDEN
FILE: NEED_2021_SL_CASE03/174L_S175_395S-North Holden.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
LINE POWER


NEED_2021_SL_CASE03
C7-SLG -174L_S175_395S-NORTH HOLDEN
FILE: NEED_2021_SL_CASE03/174L_S175_395S-North Holden.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

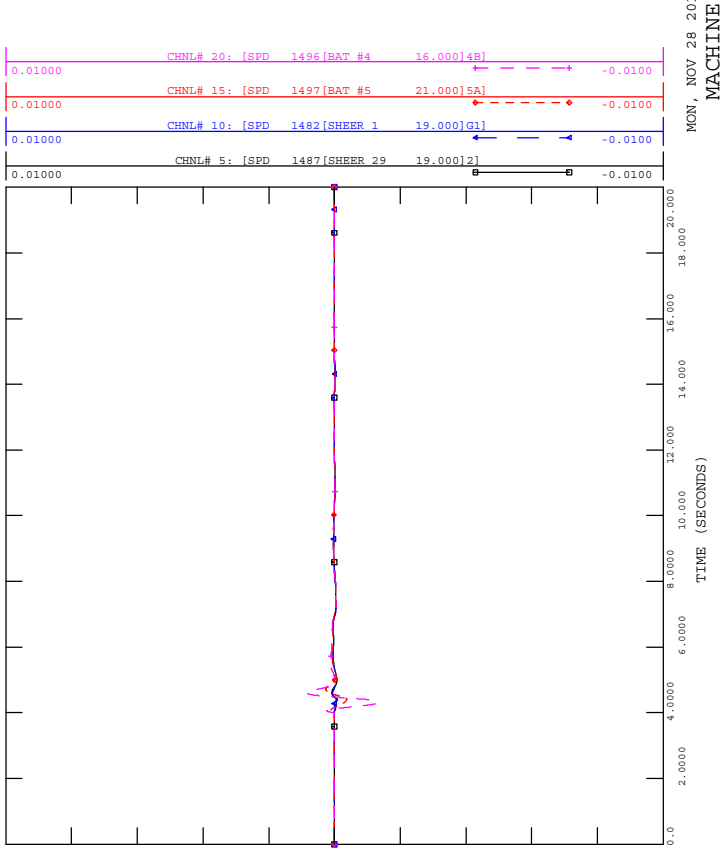
NEED_2021_SL_CASE03
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: NEED_2021_SL_CASE03/701L_S701X_395S-North Holden.out



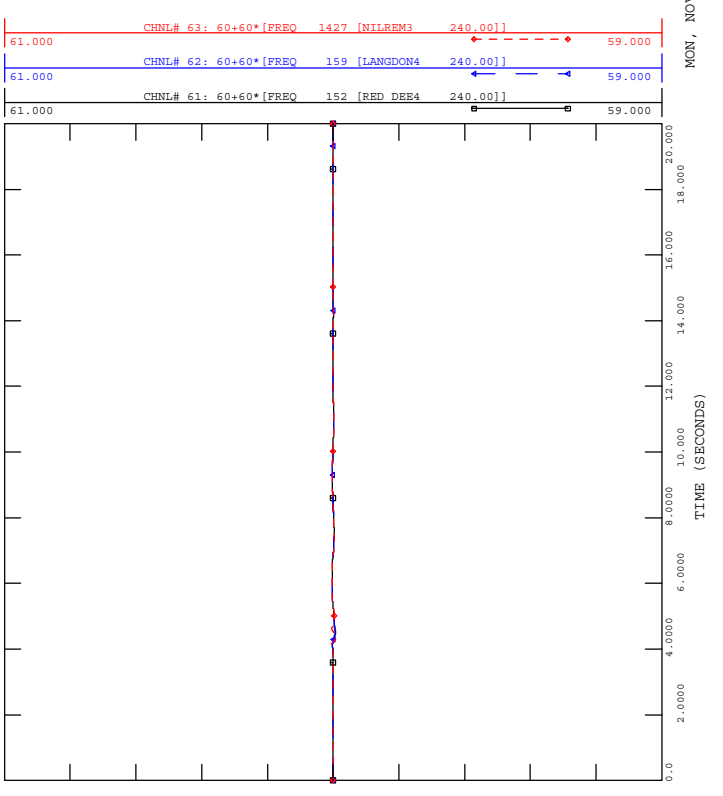
NEED_2021_SL_CASE03
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: NEED_2021_SL_CASE03/701L_S701X_395S-North Holden.out



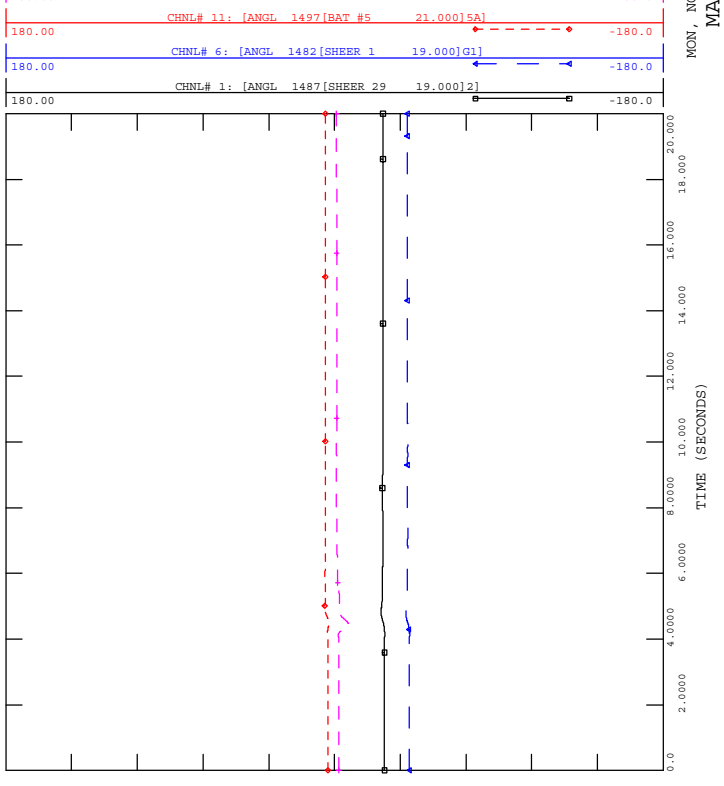
NEED_2021_SL_CASE03
C7-SLG -701L_S701X_395S-NORTH HOLDEN

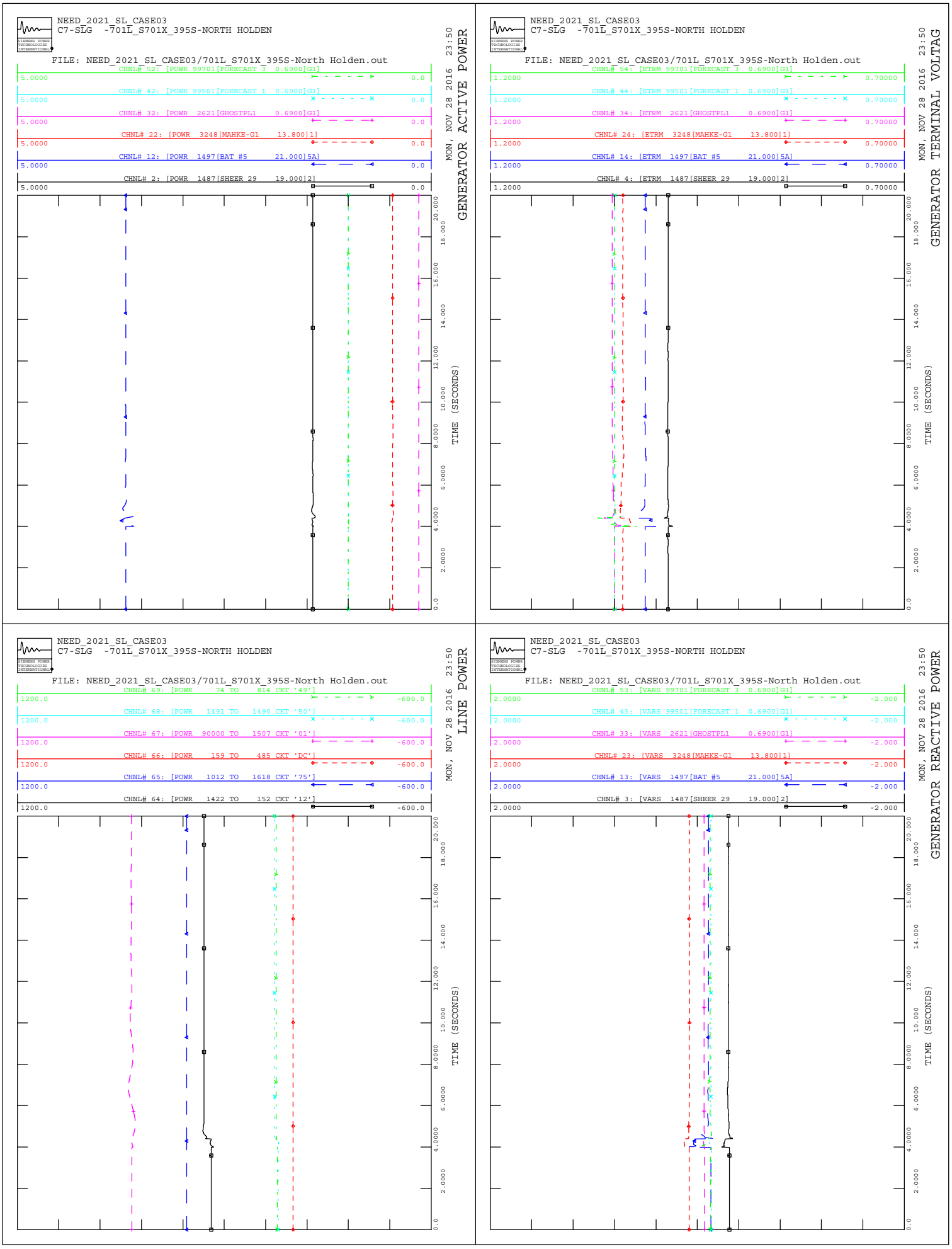
FILE: NEED_2021_SL_CASE03/701L_S701X_395S-North Holden.out



NEED_2021_SL_CASE03
C7-SLG -701L_S701X_395S-NORTH HOLDEN

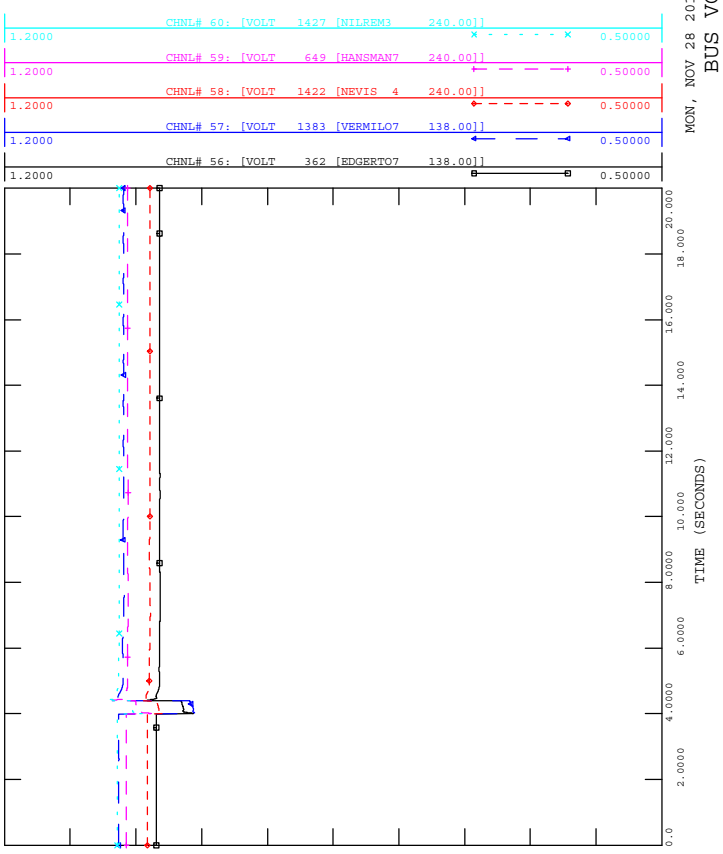
FILE: NEED_2021_SL_CASE03/701L_S701X_395S-North Holden.out




NEED_2021_SL_CASE03
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: NEED_2021_SL_CASE03/701L_S701X_395S-North Holden.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_SL_CASE03
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: NEED_2021_SL_CASE03/701L_S701X_395S-North Holden.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_SL_CASE03
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: NEED_2021_SL_CASE03/701L_S701X_395S-North Holden.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:50
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_SL_CASE03
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: NEED_2021_SL_CASE03/701L_S701X_395S-North Holden.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_SL_CASE03
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

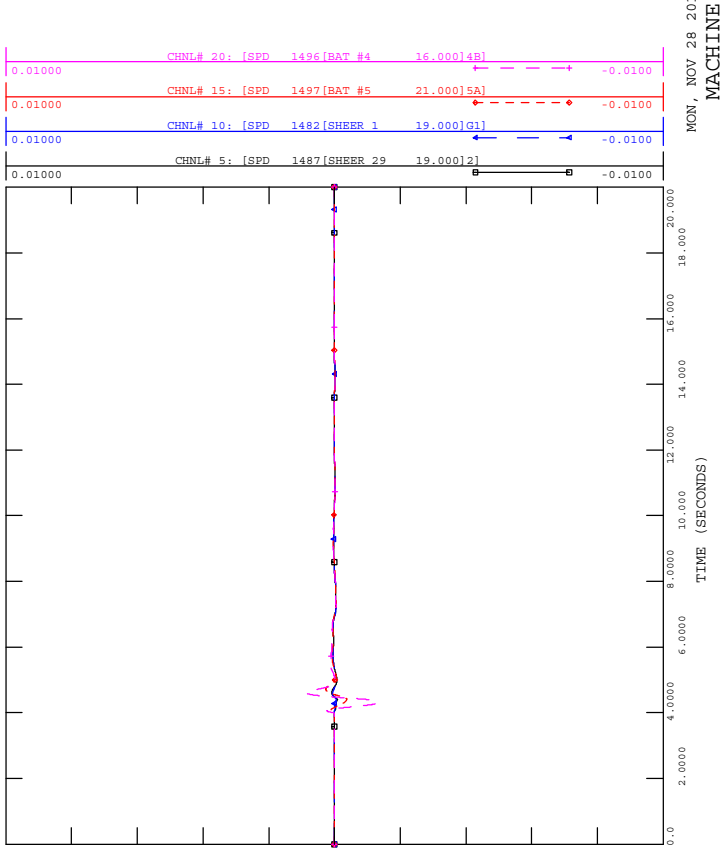
FILE: NEED_2021_SL_CASE03/7L77_S77E_395S-North Holden.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

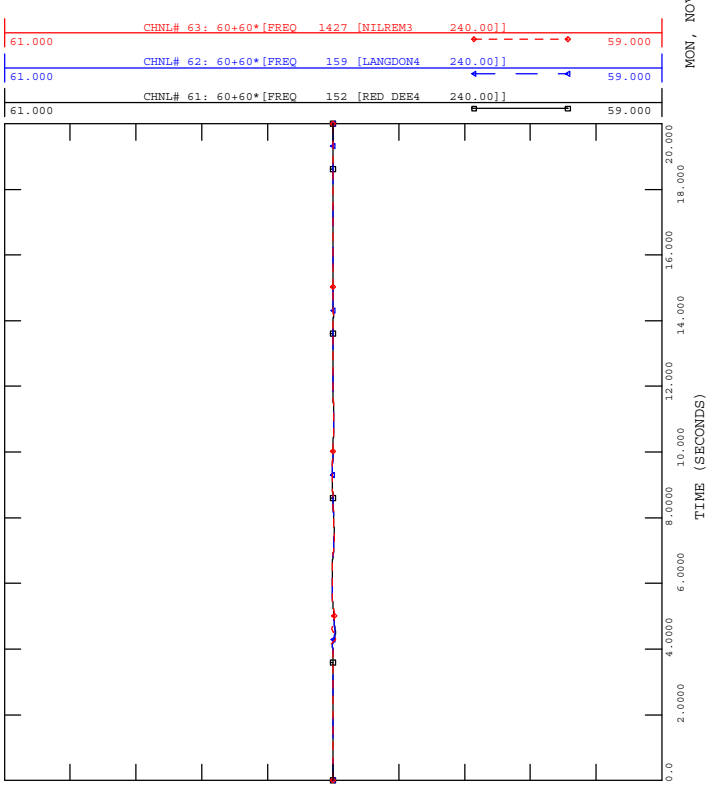
FILE: NEED_2021_SL_CASE03/7L77_S77E_395S-North Holden.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

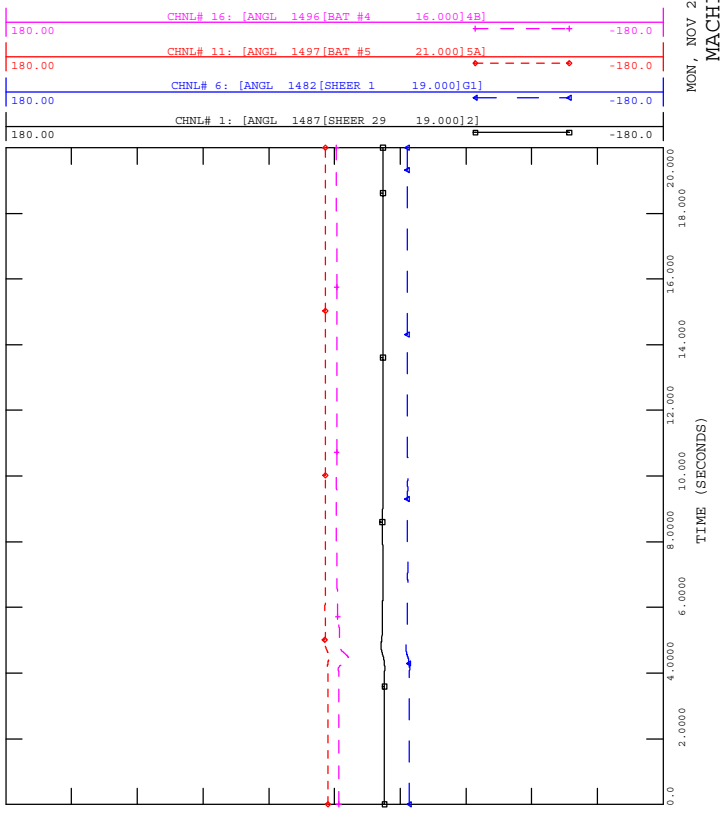
FILE: NEED_2021_SL_CASE03/7L77_S77E_395S-North Holden.out



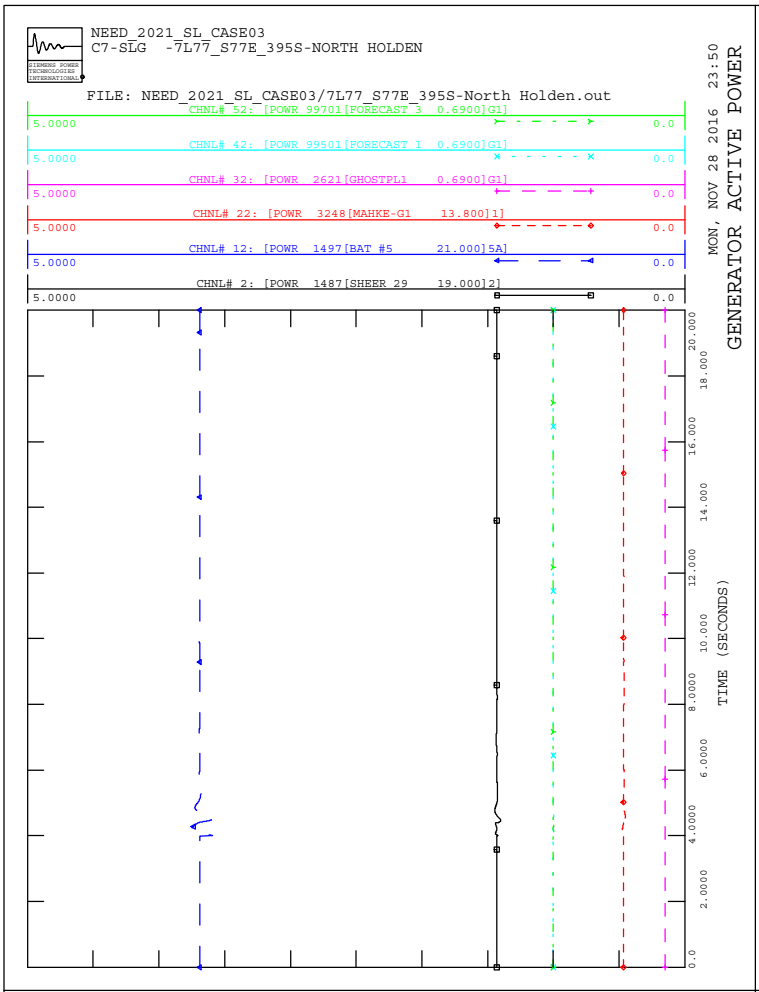
MON, NOV 28 2016 23:50
FREQUENCY

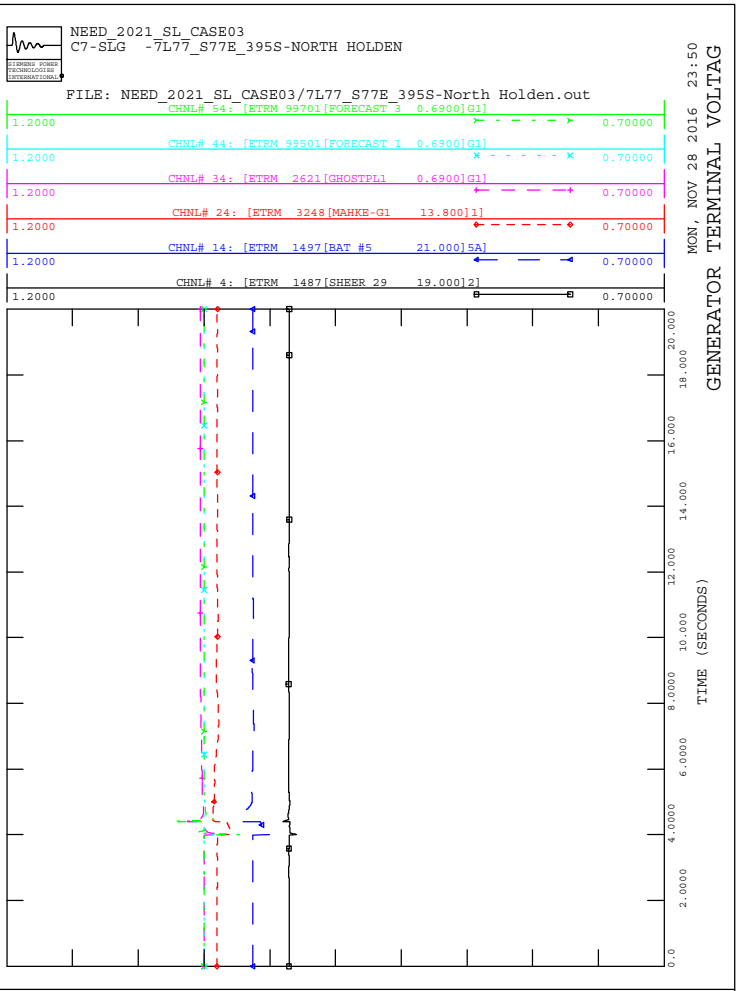
NEED_2021_SL_CASE03
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

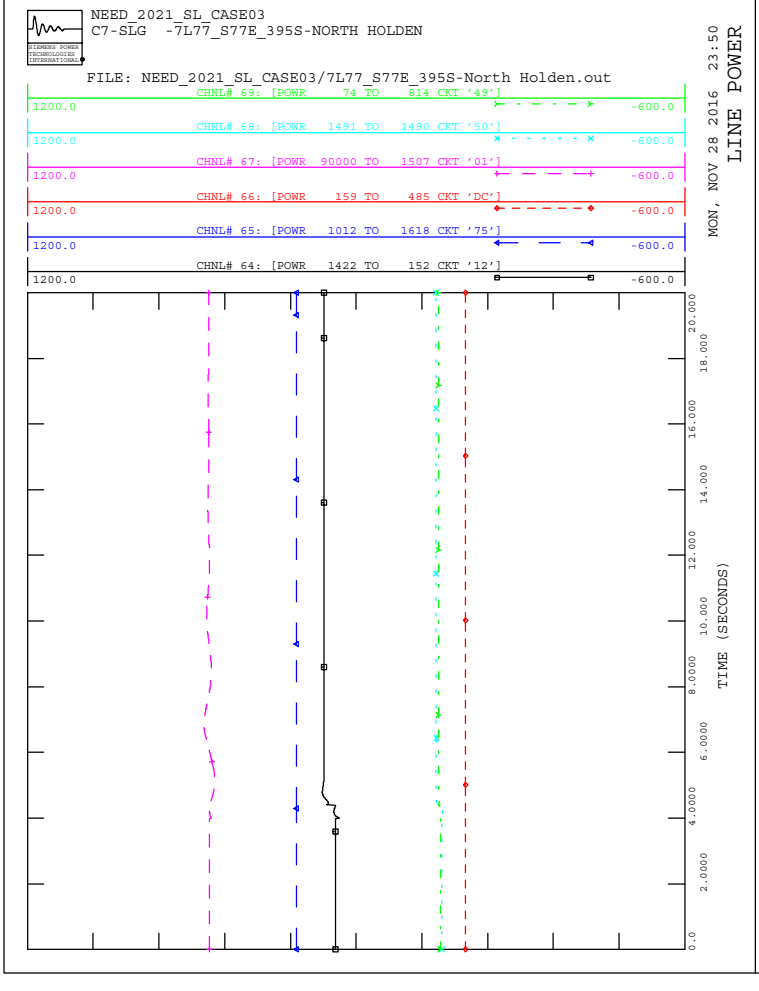
FILE: NEED_2021_SL_CASE03/7L77_S77E_395S-North Holden.out

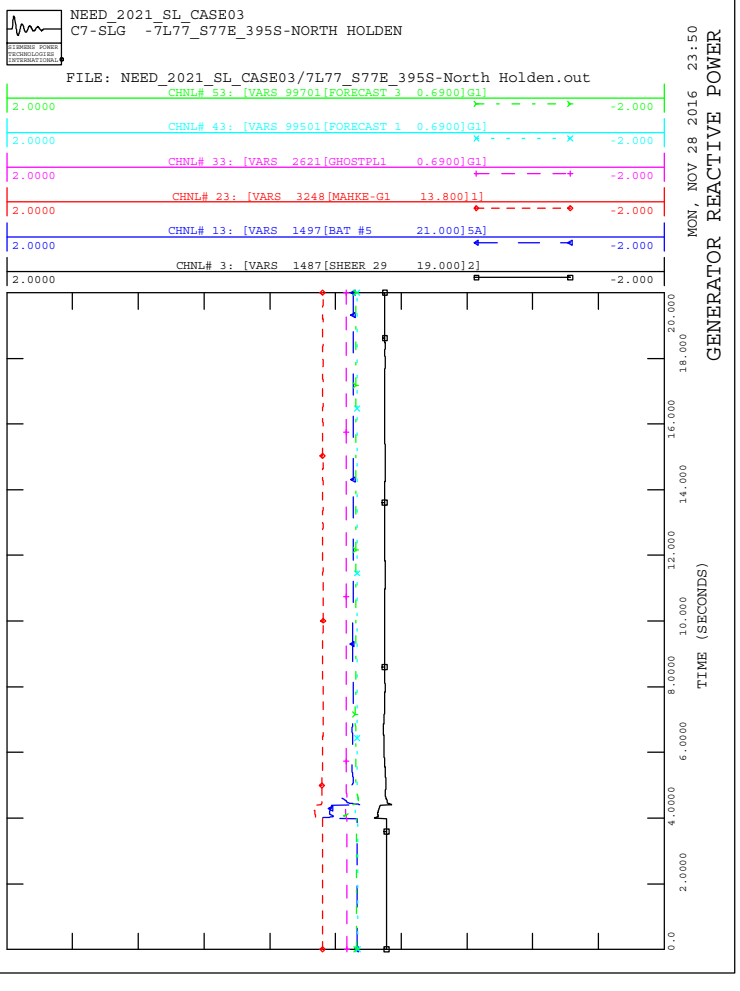


MON, NOV 28 2016 23:50
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: NEED_2021_SL_CASE03/7L77_S77E_395S-North Holden.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: NEED_2021_SL_CASE03/7L77_S77E_395S-North Holden.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: NEED_2021_SL_CASE03/7L77_S77E_395S-North Holden.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
LINE POWER

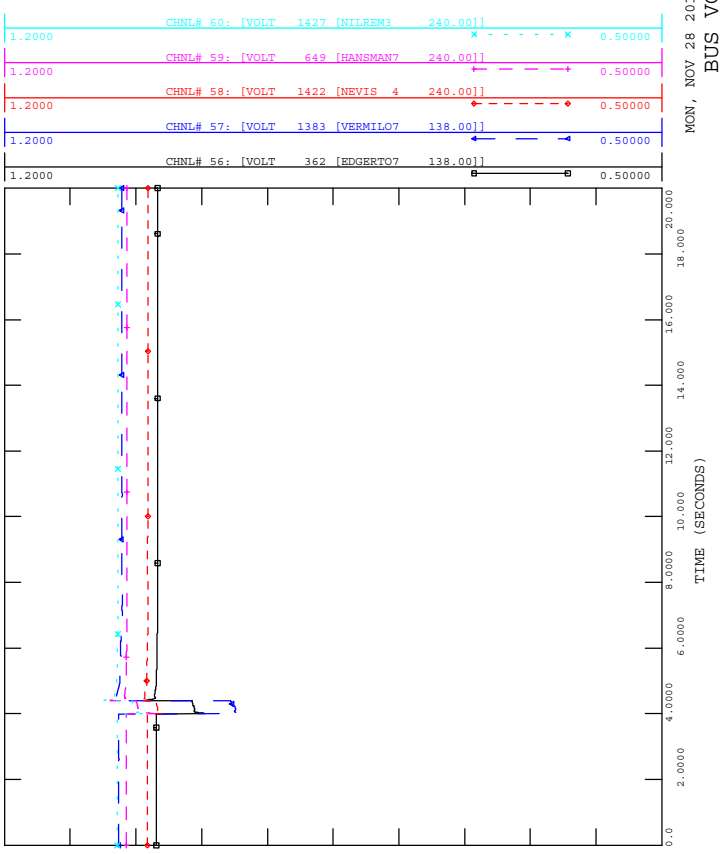

NEED_2021_SL_CASE03
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: NEED_2021_SL_CASE03/7L77_S77E_395S-North Holden.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: NEED_2021_SL_CASE03/7L77_S702_709S-Vegreville.out

MON, NOV 28 2016 23:50

BUS VOLTAGE

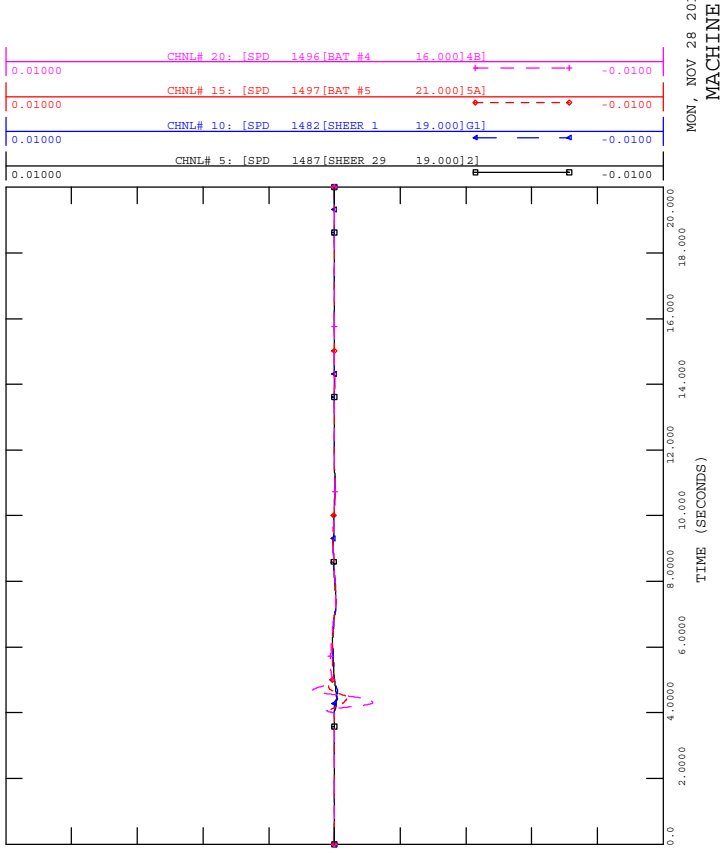


NEED_2021_SL_CASE03
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: NEED_2021_SL_CASE03/7L77_S702_709S-Vegreville.out

MON, NOV 28 2016 23:50

MACHINE SPEED

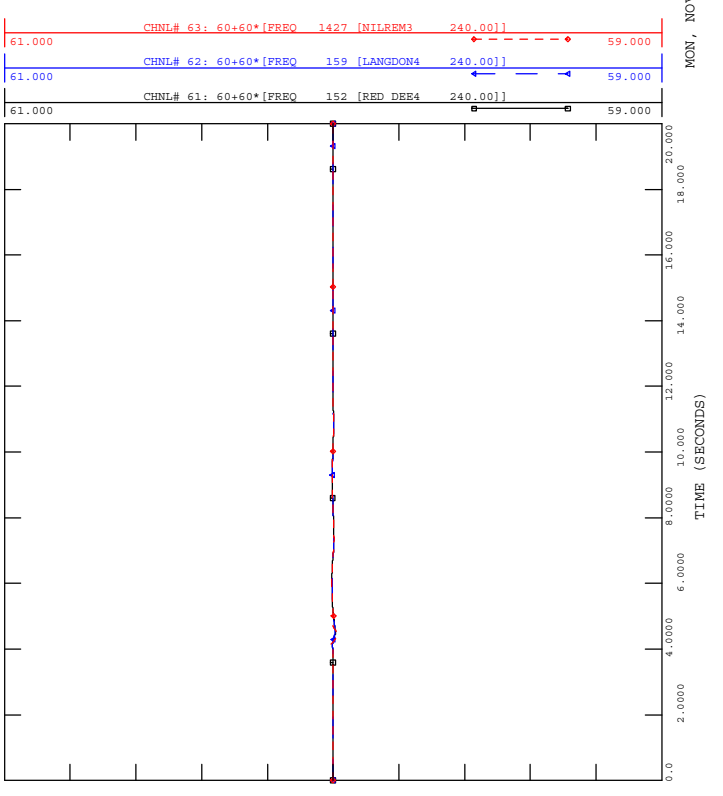


NEED_2021_SL_CASE03
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: NEED_2021_SL_CASE03/7L77_S702_709S-Vegreville.out

MON, NOV 28 2016 23:50

FREQUENCY

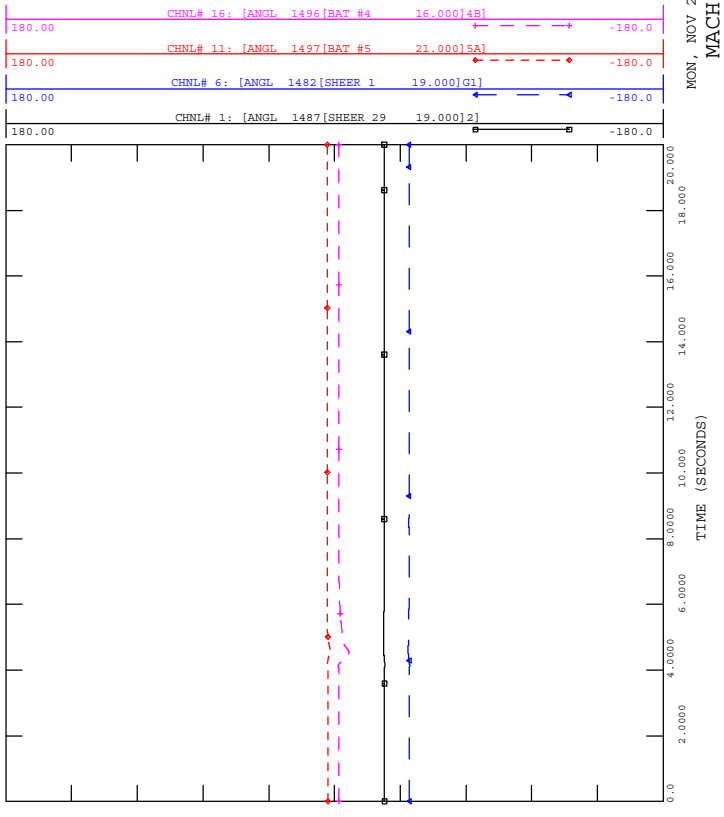


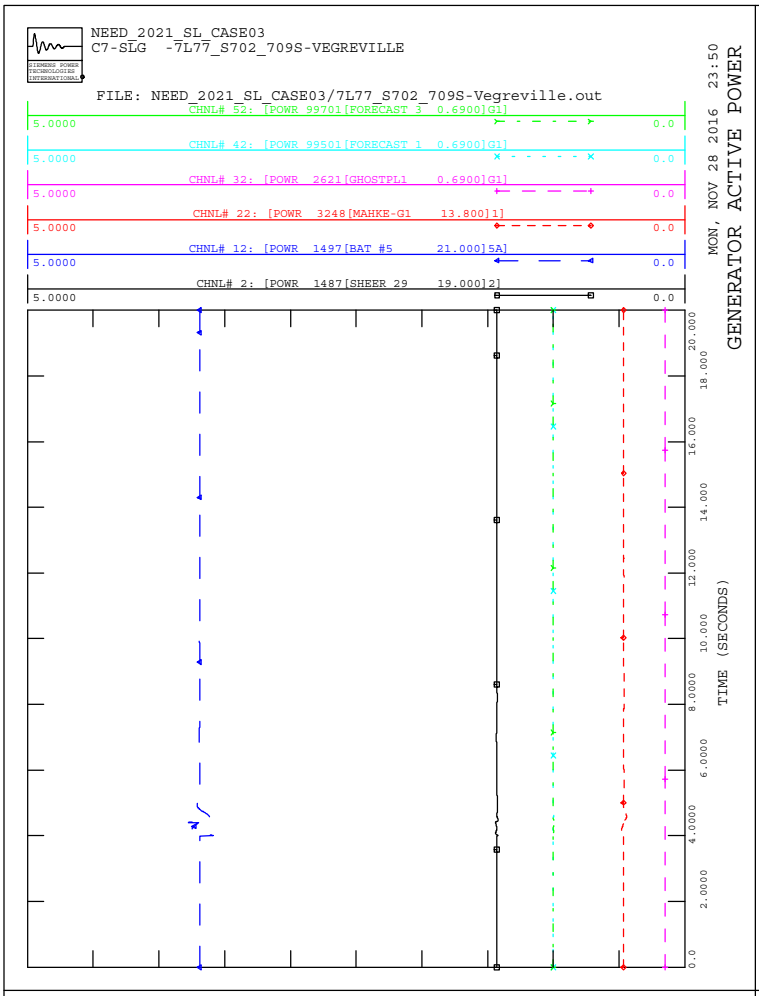
NEED_2021_SL_CASE03
C7-SLG -7L77_S702_709S-VEGREVILLE

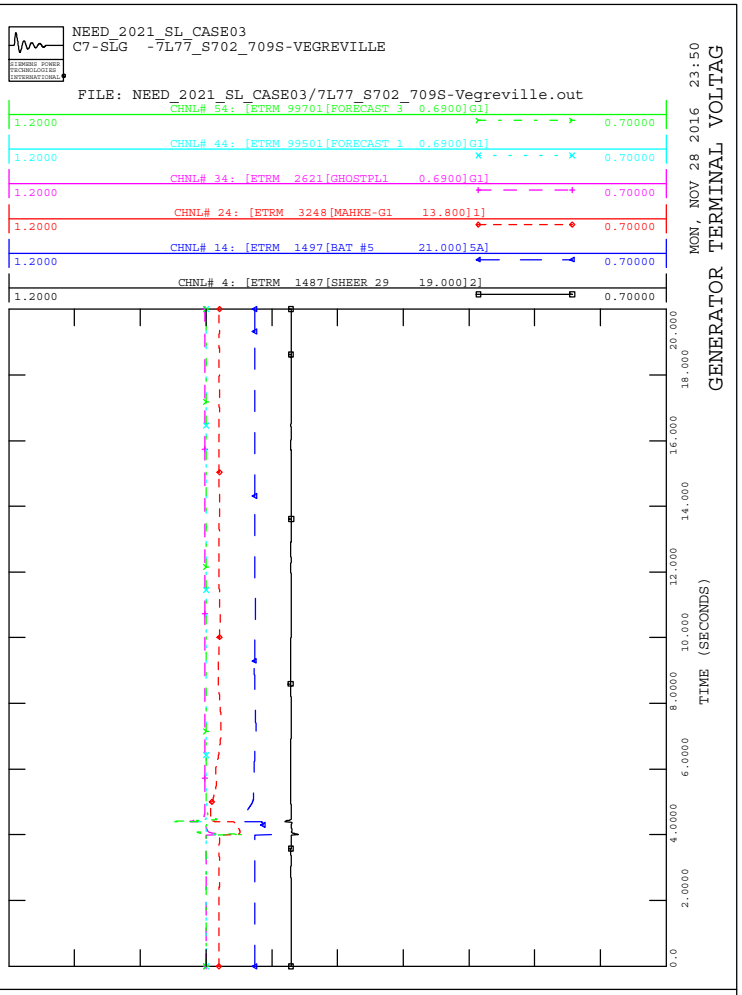
FILE: NEED_2021_SL_CASE03/7L77_S702_709S-Vegreville.out

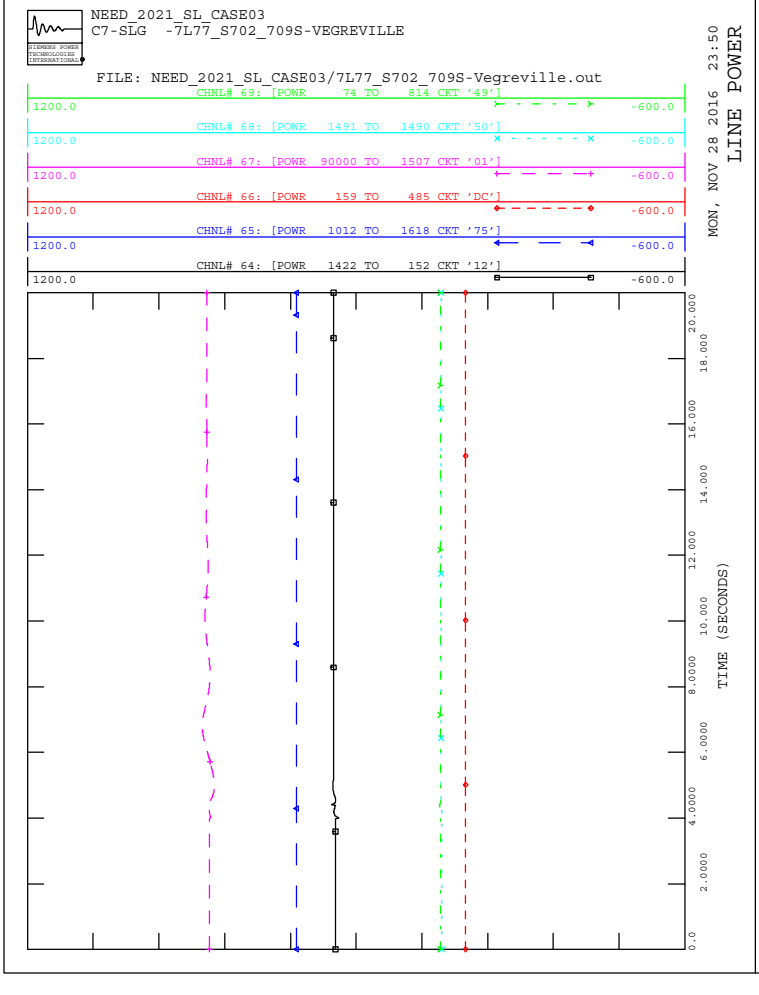
MON, NOV 28 2016 23:50

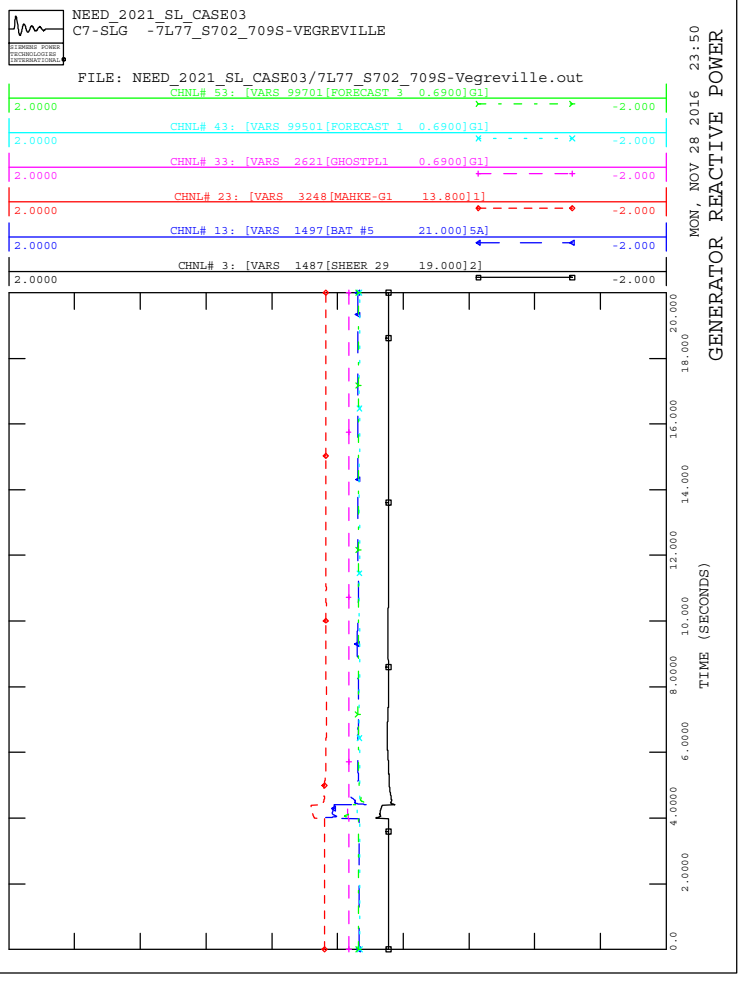
MACHINE ANGEL




NEED_2021_SL_CASE03
C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: NEED_2021_SL_CASE03/7L77_S702_709S-Vegreville.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: NEED_2021_SL_CASE03/7L77_S702_709S-Vegreville.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: NEED_2021_SL_CASE03/7L77_S702_709S-Vegreville.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
LINE POWER

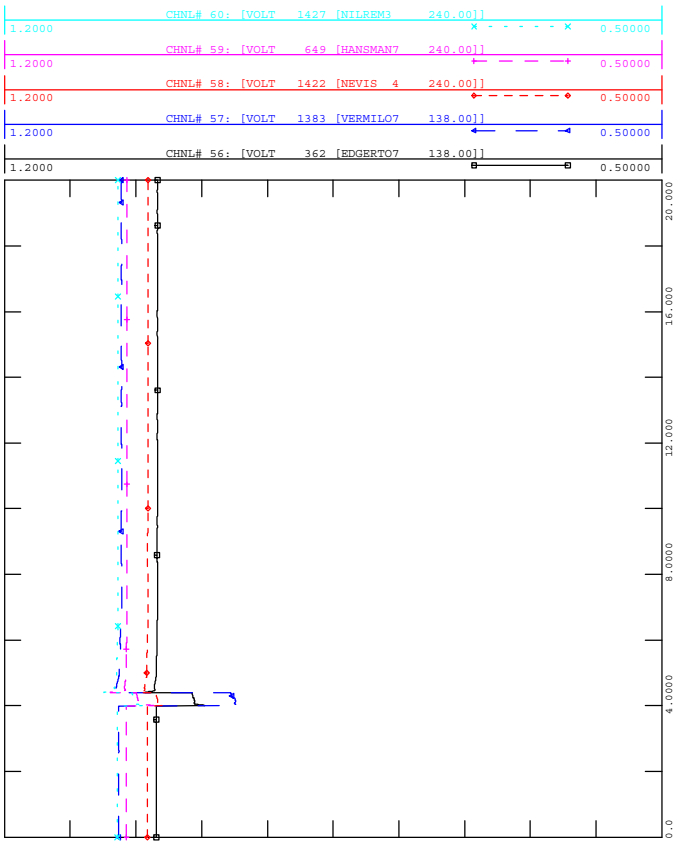

NEED_2021_SL_CASE03
C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: NEED_2021_SL_CASE03/7L77_S702_709S-Vegreville.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: NEED_2021_SL_CASE03/7L92_S703_709S-Vegreville.out

MON, NOV 28 2016 23:50

BUS VOLTAGE

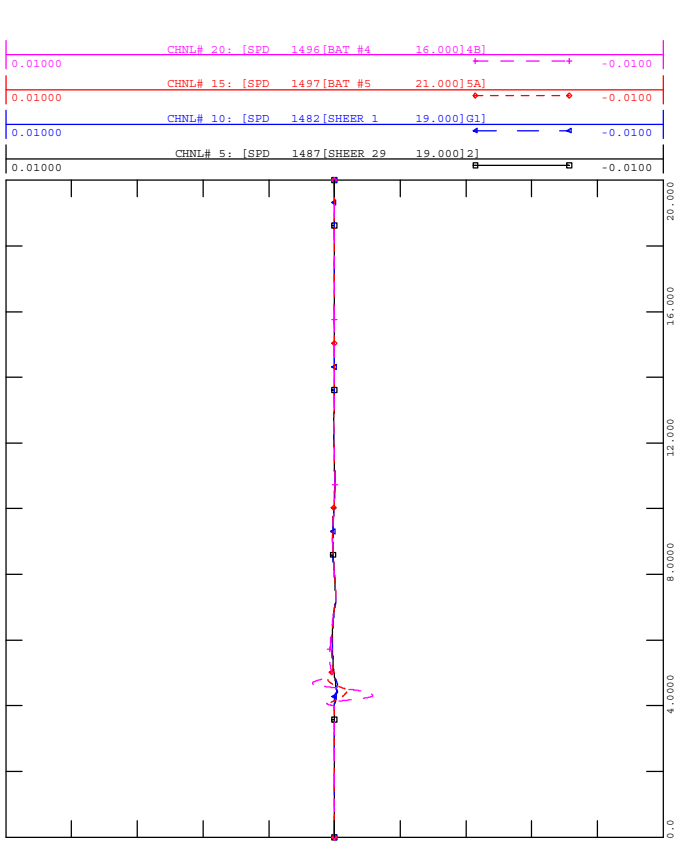


NEED_2021_SL_CASE03
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: NEED_2021_SL_CASE03/7L92_S703_709S-Vegreville.out

MON, NOV 28 2016 23:50

MACHINE SPEED

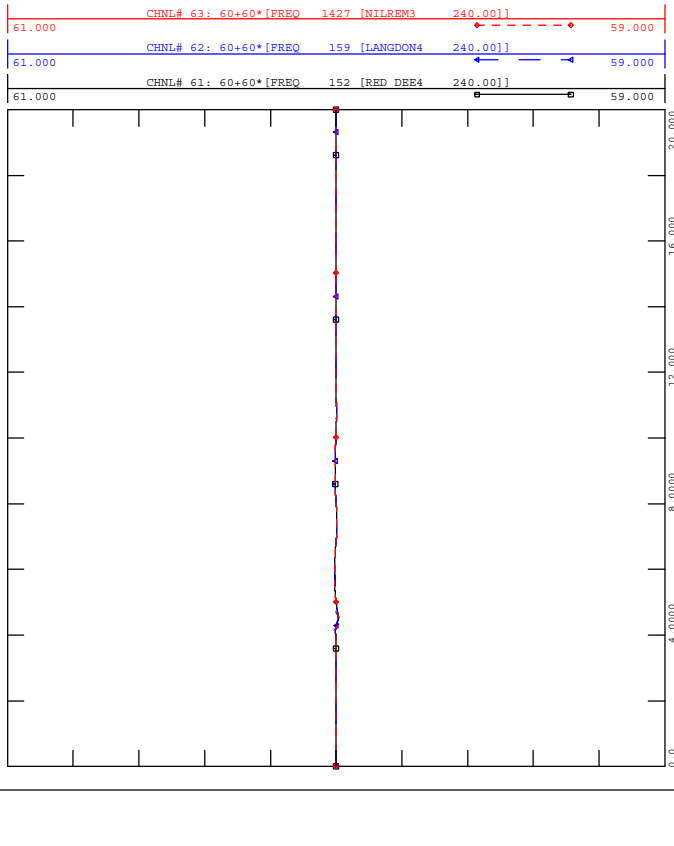


NEED_2021_SL_CASE03
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: NEED_2021_SL_CASE03/7L92_S703_709S-Vegreville.out

MON, NOV 28 2016 23:50

FREQUENCY

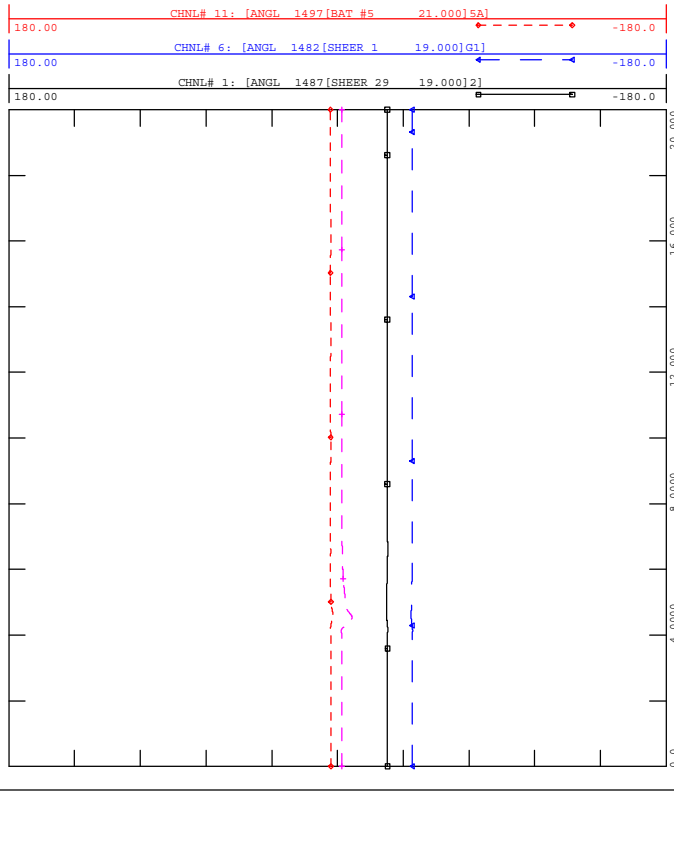


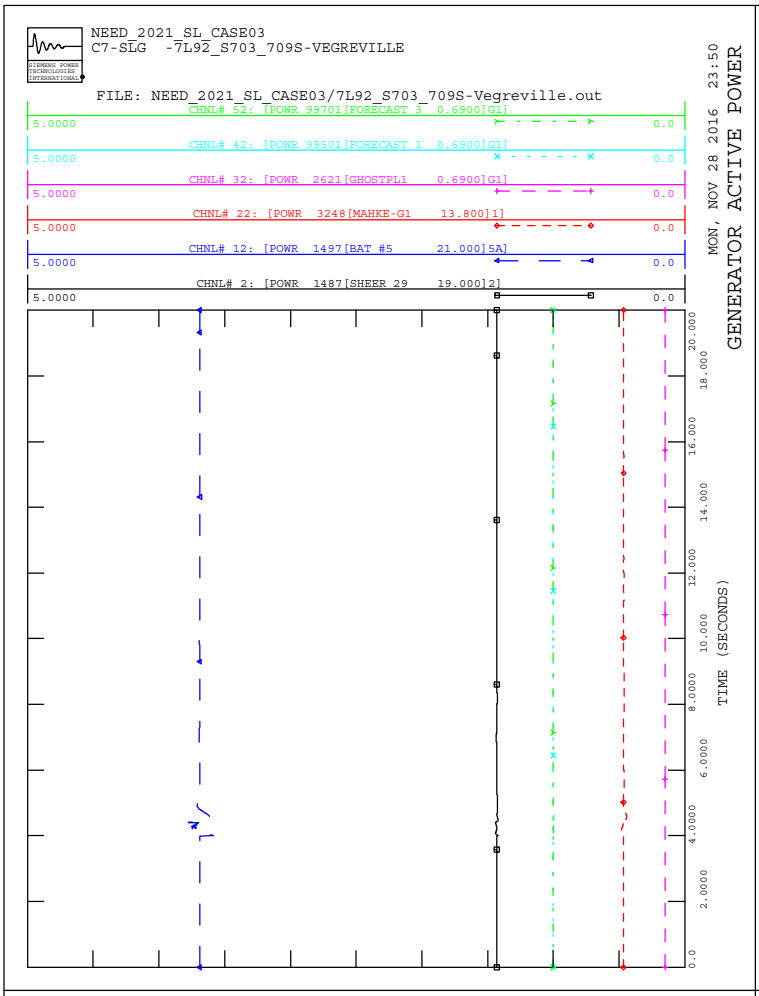
NEED_2021_SL_CASE03
C7-SLG -7L92_S703_709S-VEGREVILLE

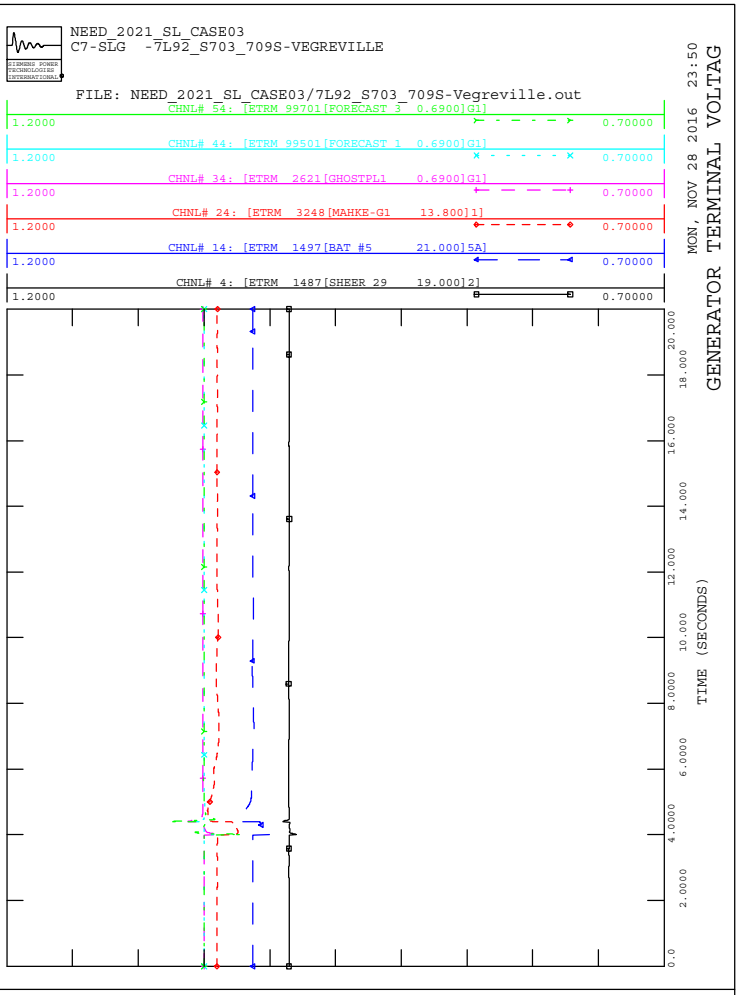
FILE: NEED_2021_SL_CASE03/7L92_S703_709S-Vegreville.out

MON, NOV 28 2016 23:50

MACHINE ANGEL




NEED_2021_SL_CASE03
C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: NEED_2021_SL_CASE03/7L92_S703_709S-Vegreville.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: NEED_2021_SL_CASE03/7L92_S703_709S-Vegreville.out
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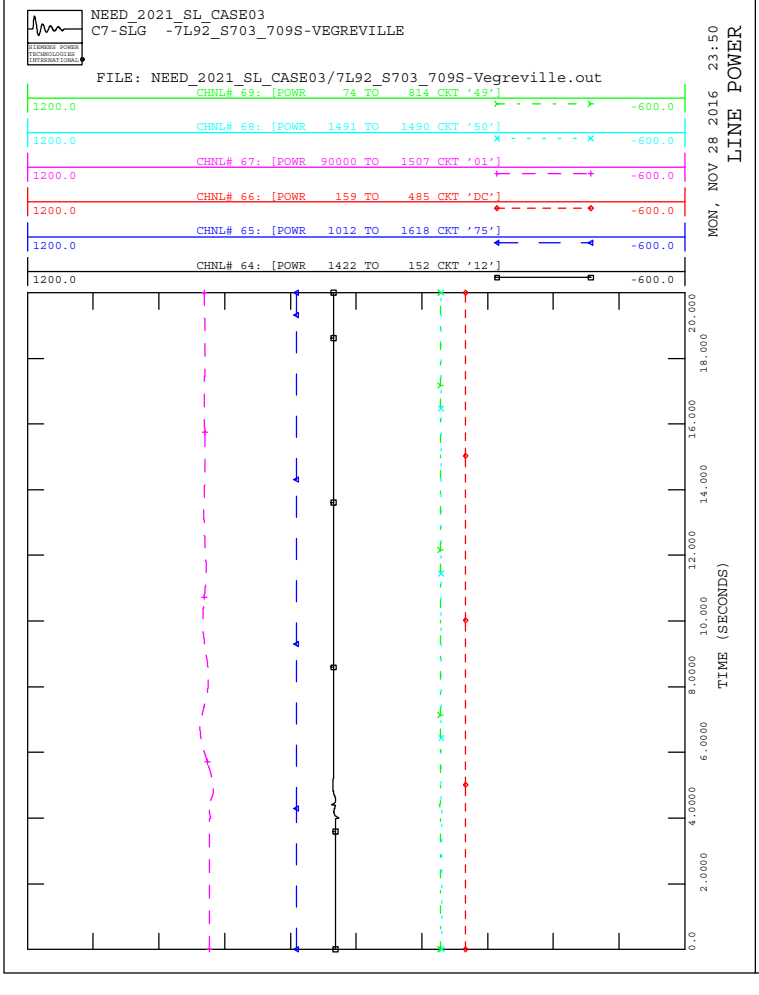
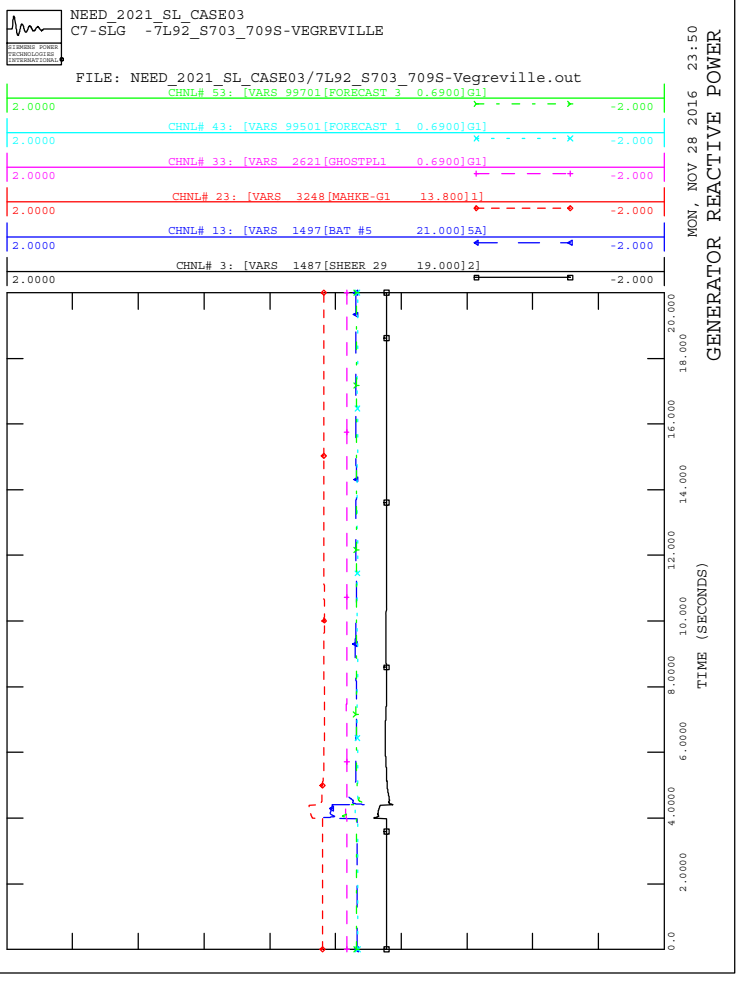
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: NEED_2021_SL_CASE03/7L92_S703_709S-Vegreville.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
LINE POWER


NEED_2021_SL_CASE03
C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: NEED_2021_SL_CASE03/7L92_S703_709S-Vegreville.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: NEED_2021_SL_CASE03/7L65_S701_709S-Vegreville.out

MON, NOV 28 2016 23:50

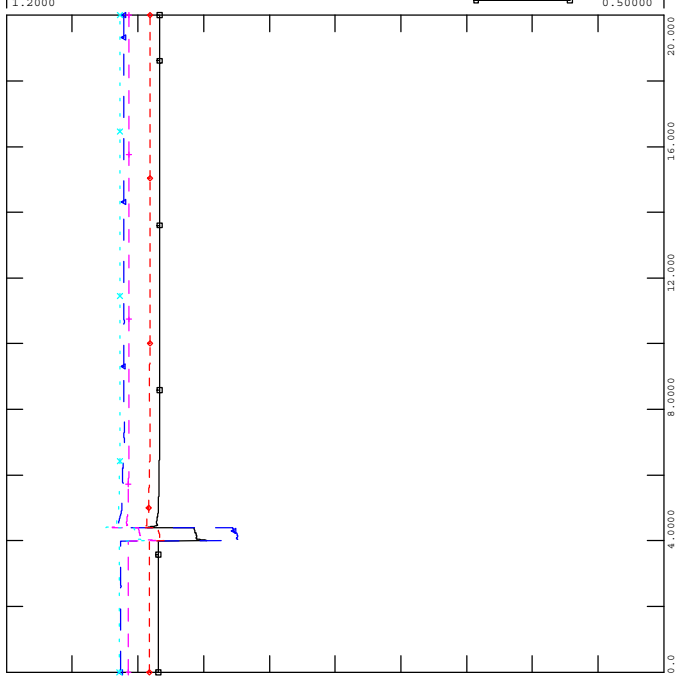
BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]

1.2000 / 0.50000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



NEED_2021_SL_CASE03
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: NEED_2021_SL_CASE03/7L65_S701_709S-Vegreville.out

MON, NOV 28 2016 23:50

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

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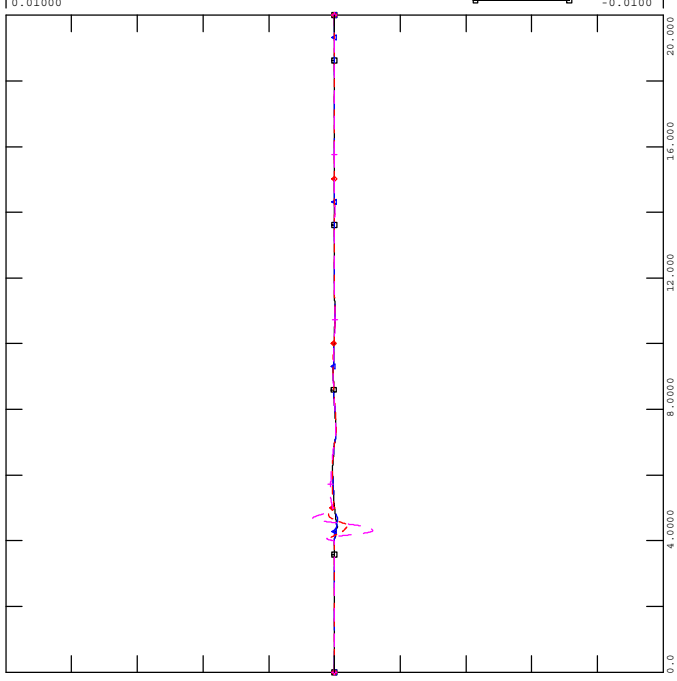

NEED_2021_SL_CASE03
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: NEED_2021_SL_CASE03/7L65_S701_709S-Vegreville.out

MON, NOV 28 2016 23:50

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

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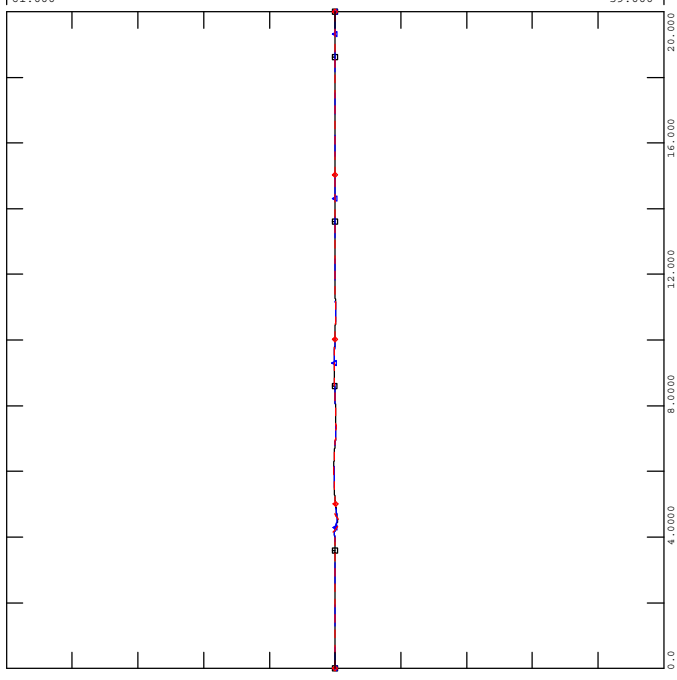


NEED_2021_SL_CASE03
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: NEED_2021_SL_CASE03/7L65_S701_709S-Vegreville.out

MON, NOV 28 2016 23:50

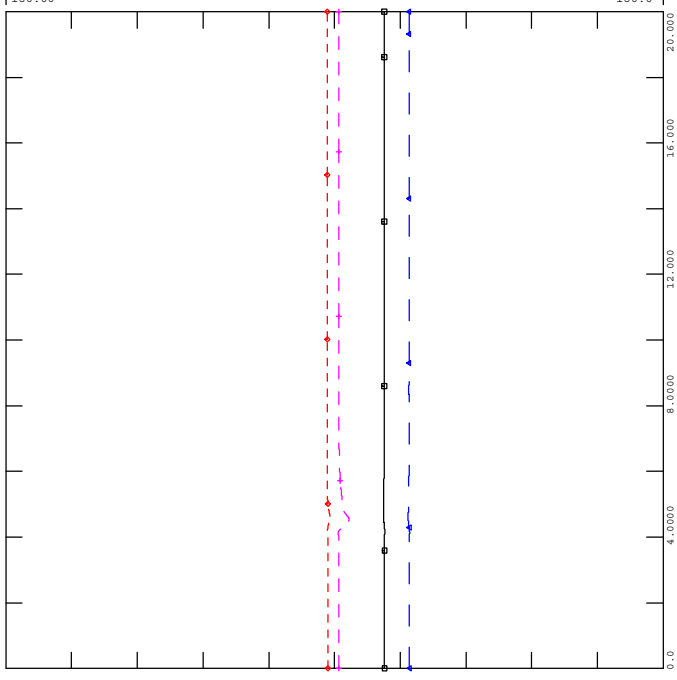
MACHINE ANGEL

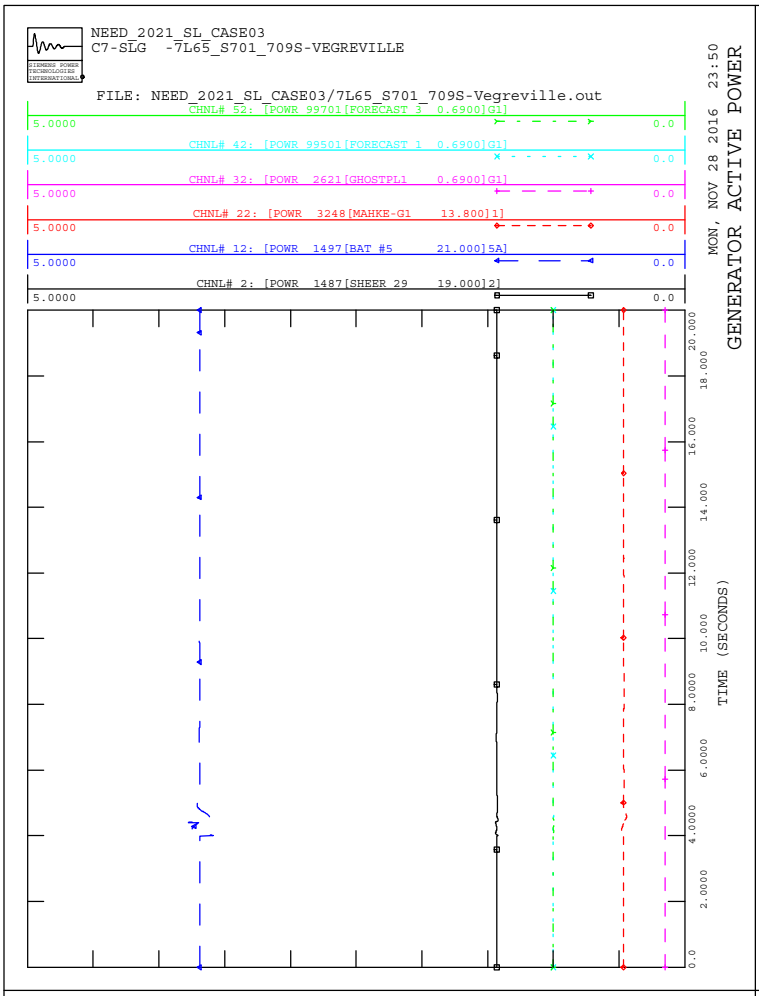
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

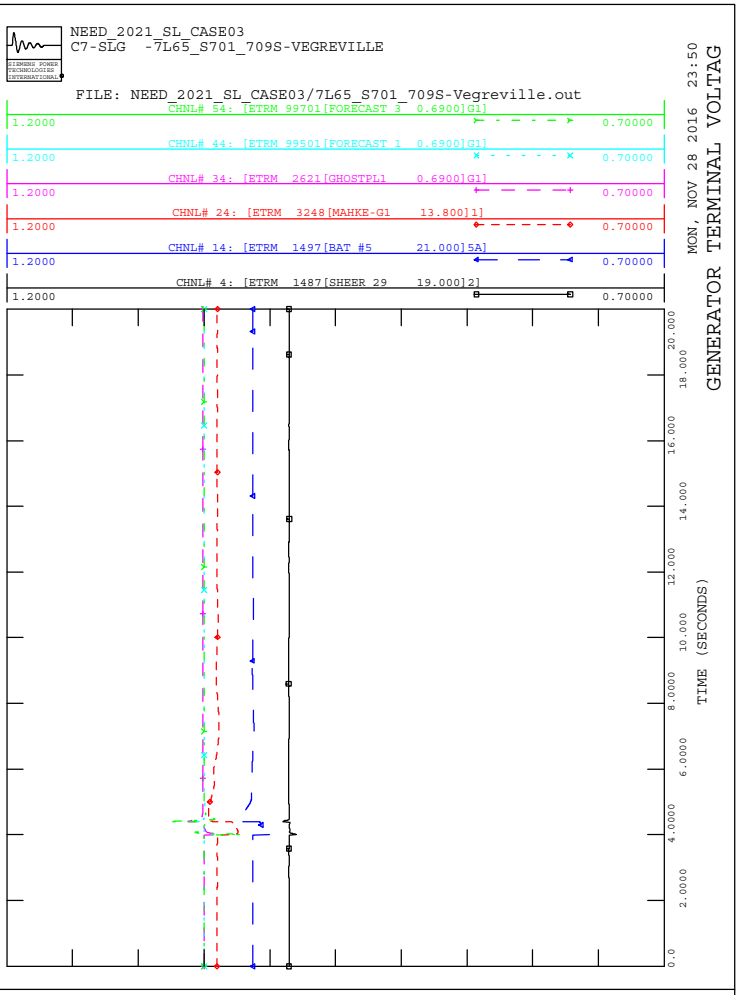
180.00 / -180.0

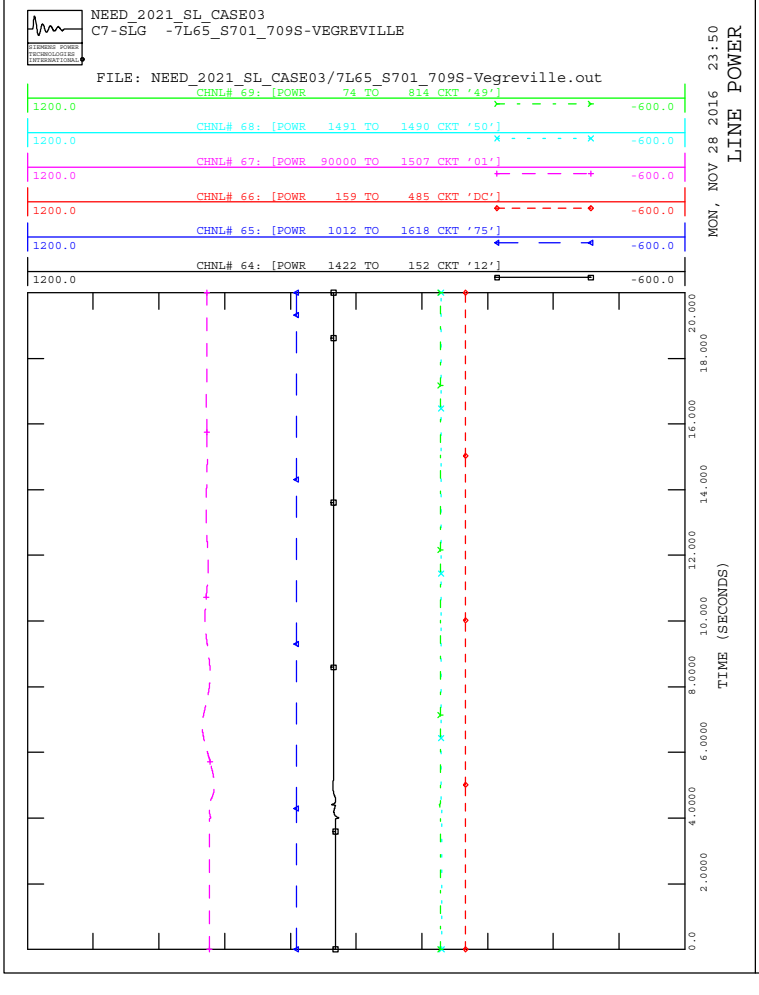
TIME (SECONDS)

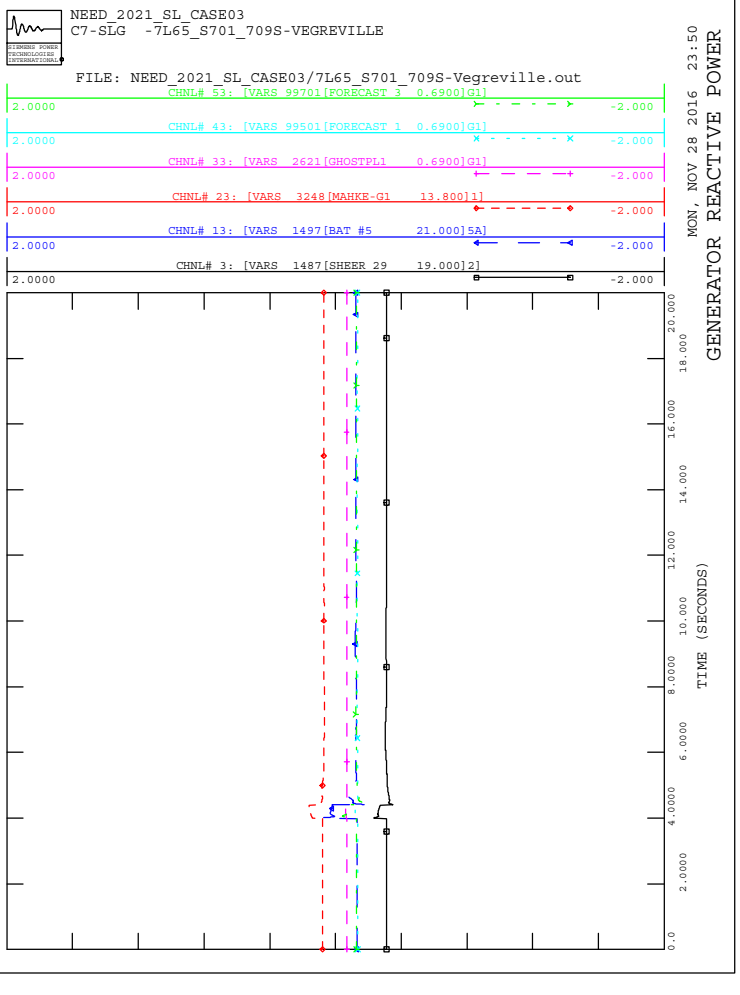
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000




NEED_2021_SL_CASE03
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: NEED_2021_SL_CASE03/7L65_S701_709S-Vegreville.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER

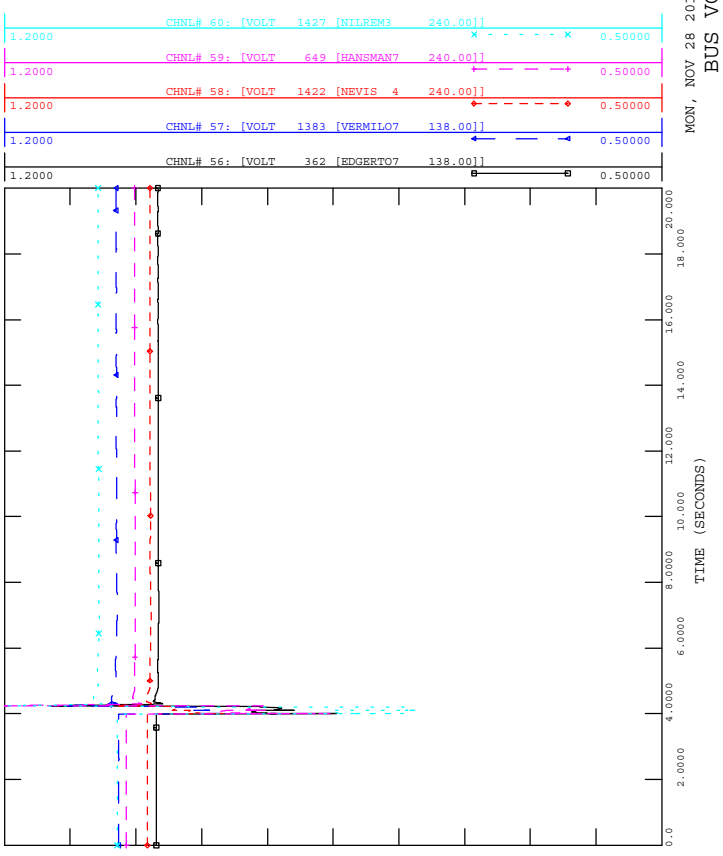

NEED_2021_SL_CASE03
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: NEED_2021_SL_CASE03/7L65_S701_709S-Vegreville.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: NEED_2021_SL_CASE03/7L65_S701_709S-Vegreville.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
LINE POWER


NEED_2021_SL_CASE03
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: NEED_2021_SL_CASE03/7L65_S701_709S-Vegreville.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -953L_S552_574S-NILREM

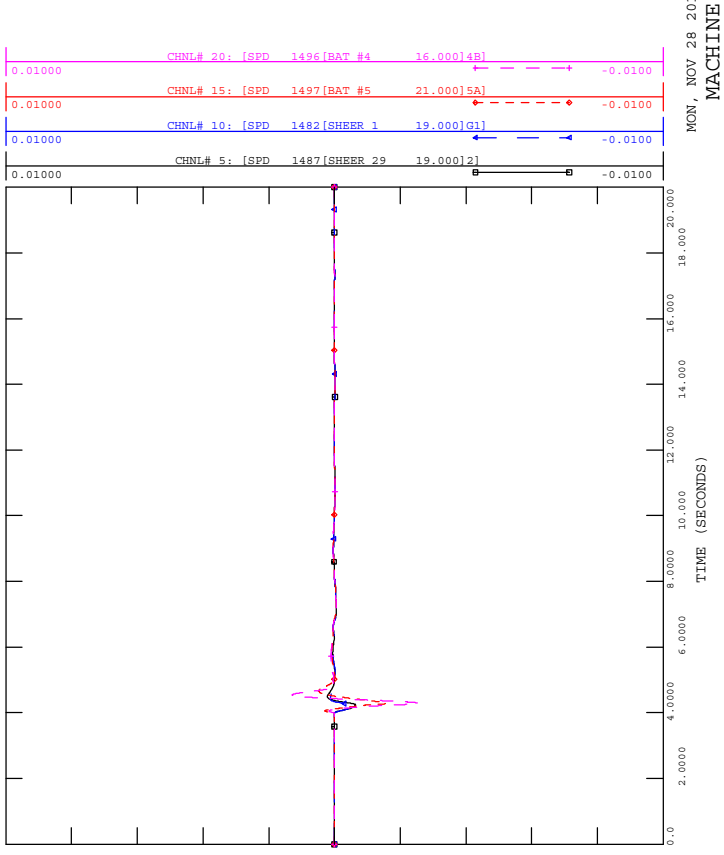
FILE: NEED_2021_SL_CASE03/953L_S552_574S-Nilrem.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -953L_S552_574S-NILREM

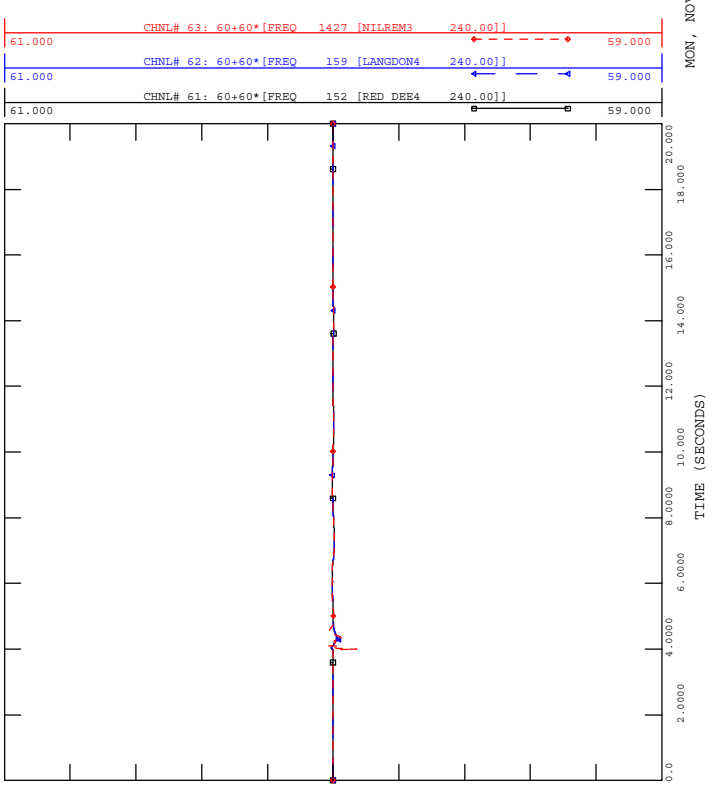
FILE: NEED_2021_SL_CASE03/953L_S552_574S-Nilrem.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -953L_S552_574S-NILREM

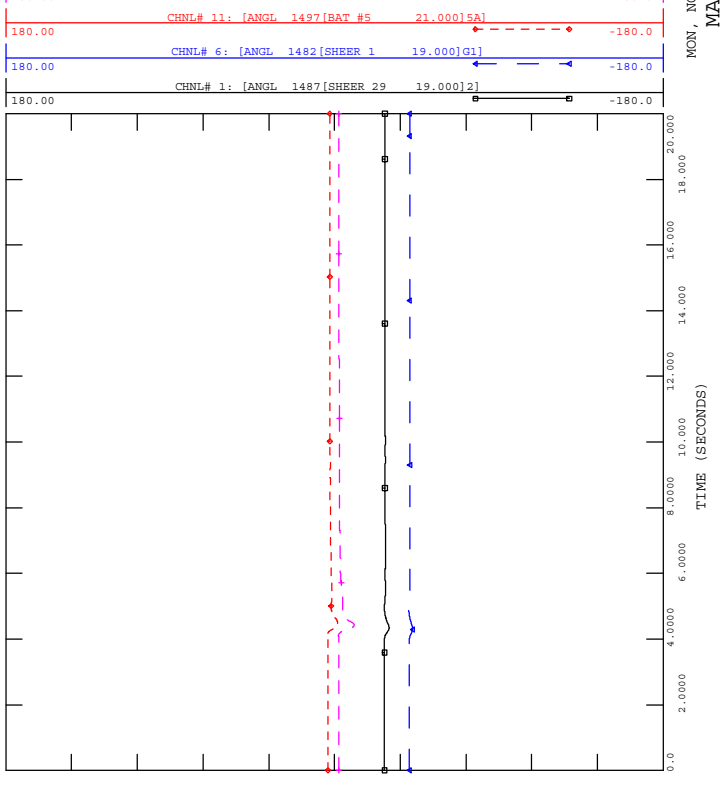
FILE: NEED_2021_SL_CASE03/953L_S552_574S-Nilrem.out



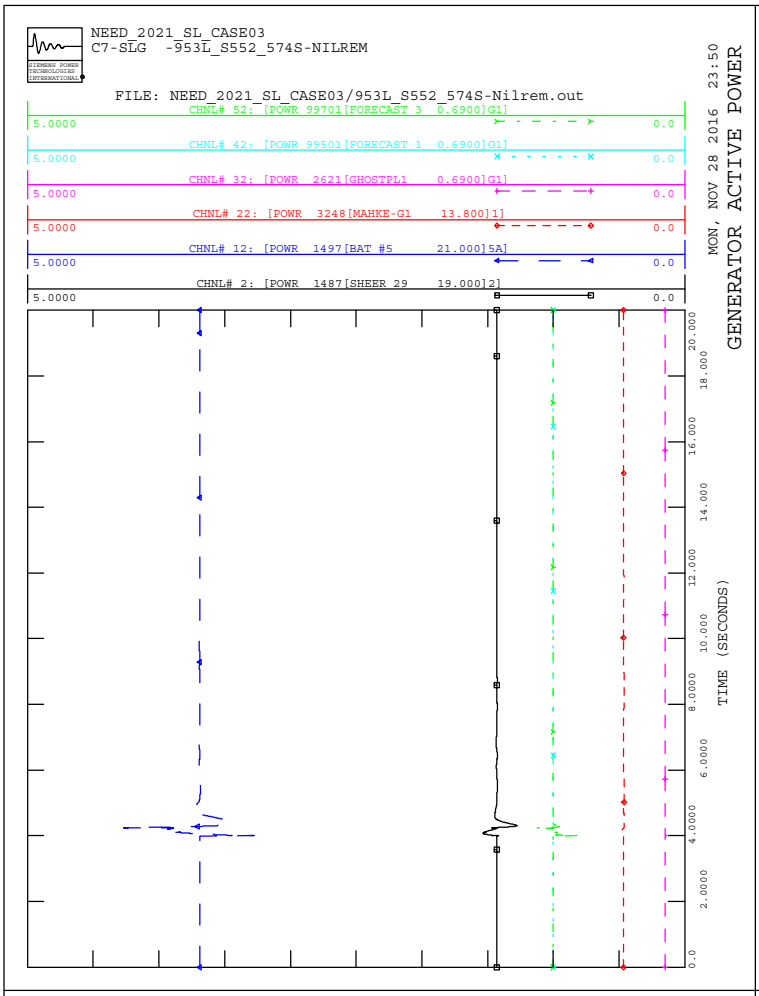
MON, NOV 28 2016 23:50
FREQUENCY

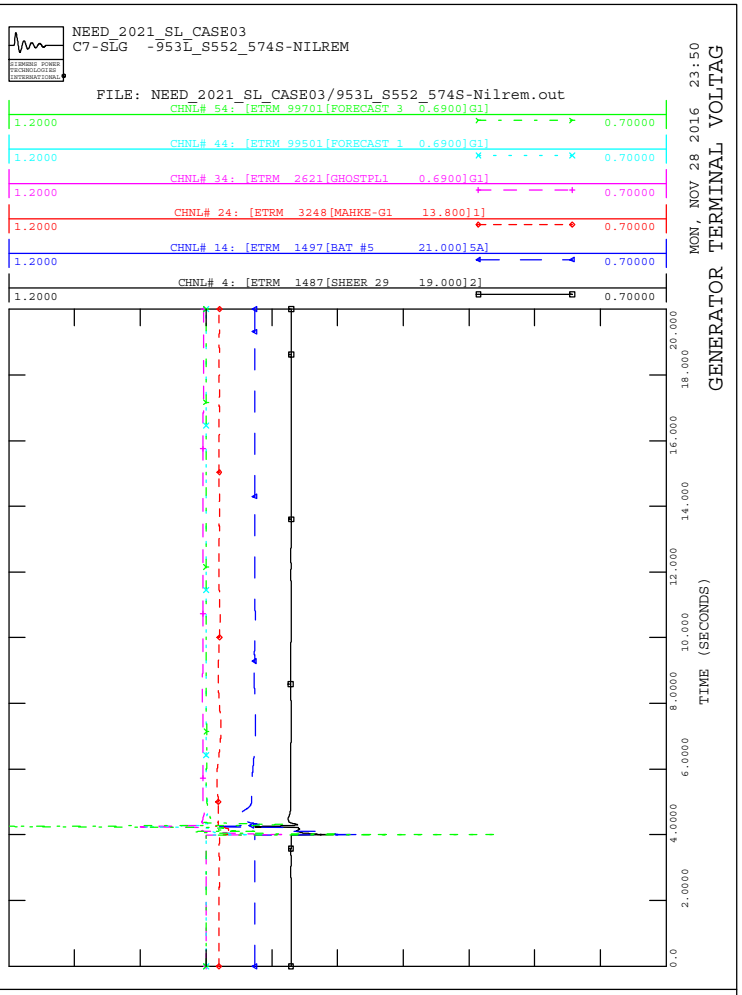
NEED_2021_SL_CASE03
C7-SLG -953L_S552_574S-NILREM

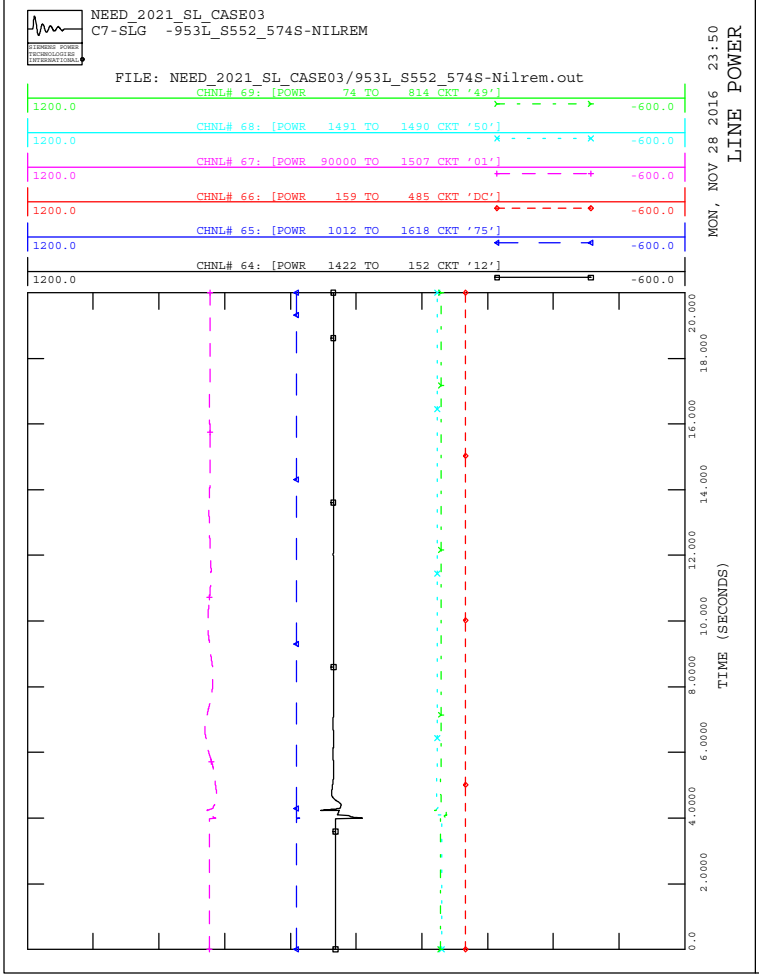
FILE: NEED_2021_SL_CASE03/953L_S552_574S-Nilrem.out

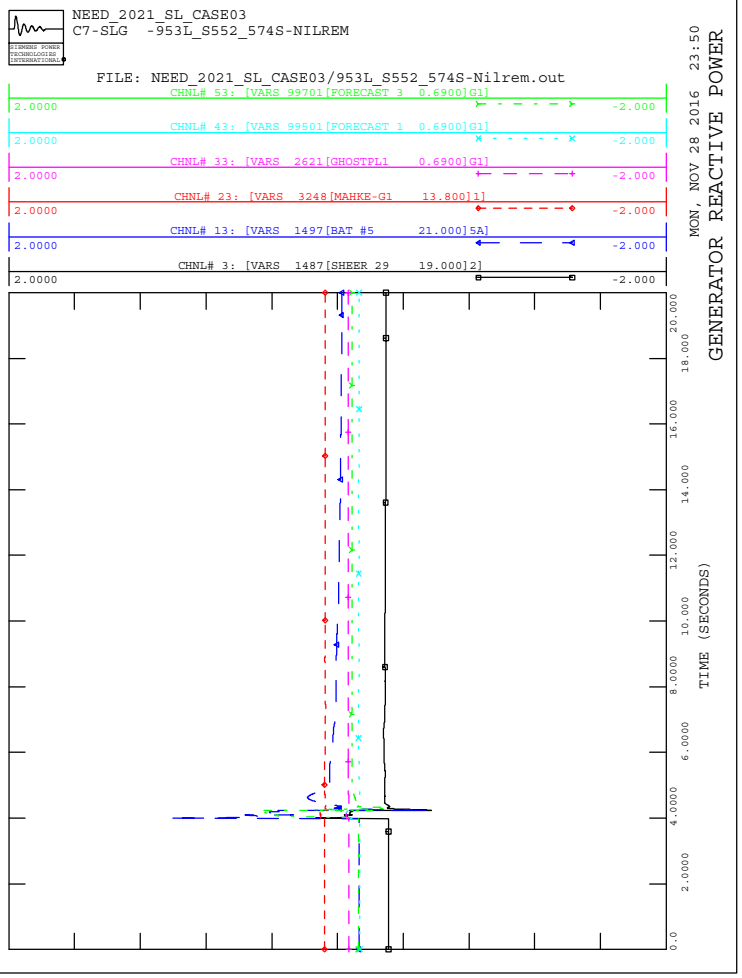


MON, NOV 28 2016 23:50
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -953L_S552_574S-NILREM
FILE: NEED_2021_SL_CASE03/953L_S552_574S-Nilrem.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -953L_S552_574S-NILREM
FILE: NEED_2021_SL_CASE03/953L_S552_574S-Nilrem.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -953L_S552_574S-NILREM
FILE: NEED_2021_SL_CASE03/953L_S552_574S-Nilrem.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
LINE POWER

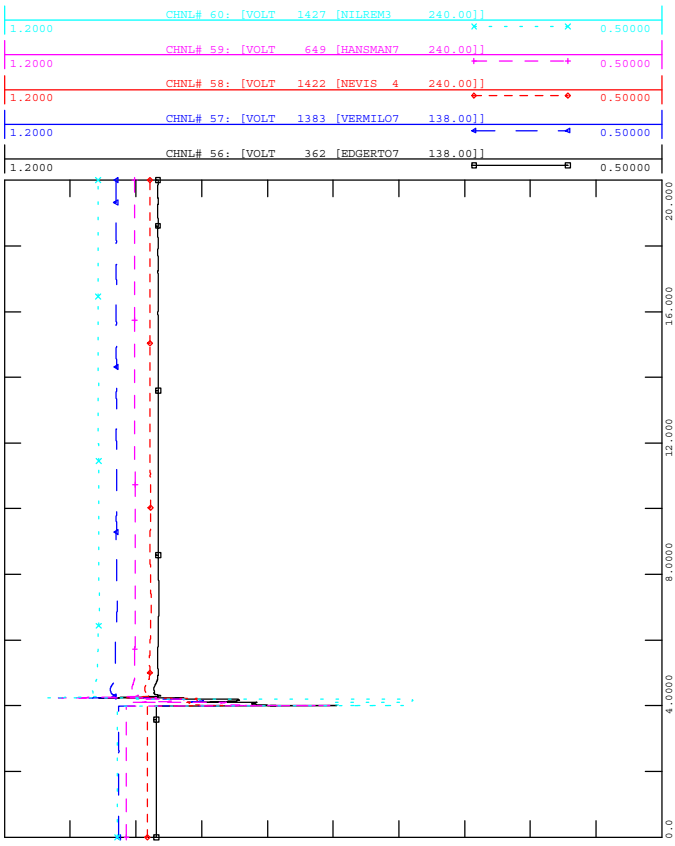

NEED_2021_SL_CASE03
C7-SLG -953L_S552_574S-NILREM
FILE: NEED_2021_SL_CASE03/953L_S552_574S-Nilrem.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -1047L_S552_574S-NILREM

FILE: NEED_2021_SL_CASE03/1047L_S552_574S-Nilrem.out

MON, NOV 28 2016 23:50

BUS VOLTAGE

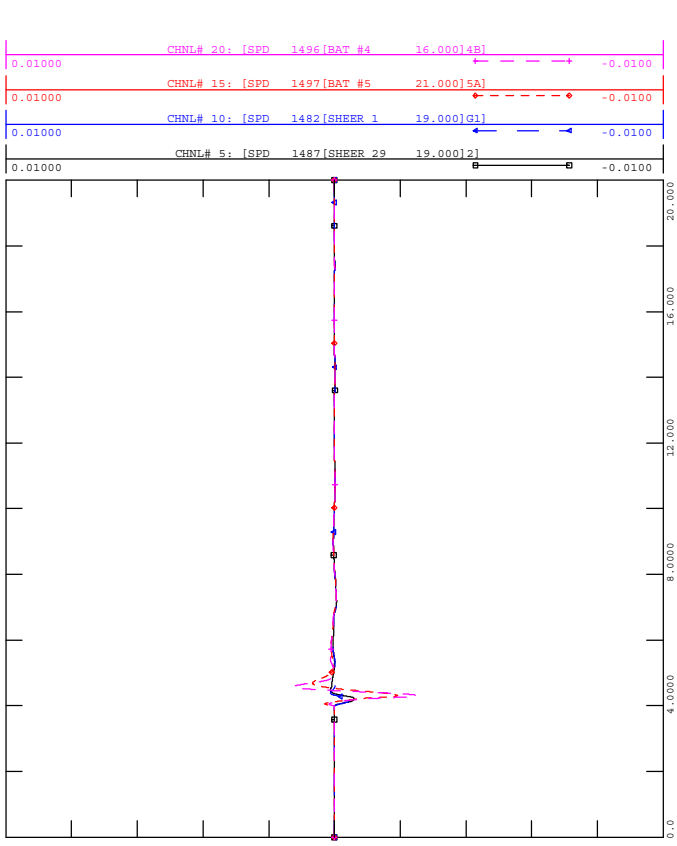


NEED_2021_SL_CASE03
C7-SLG -1047L_S552_574S-NILREM

FILE: NEED_2021_SL_CASE03/1047L_S552_574S-Nilrem.out

MON, NOV 28 2016 23:50

MACHINE SPEED

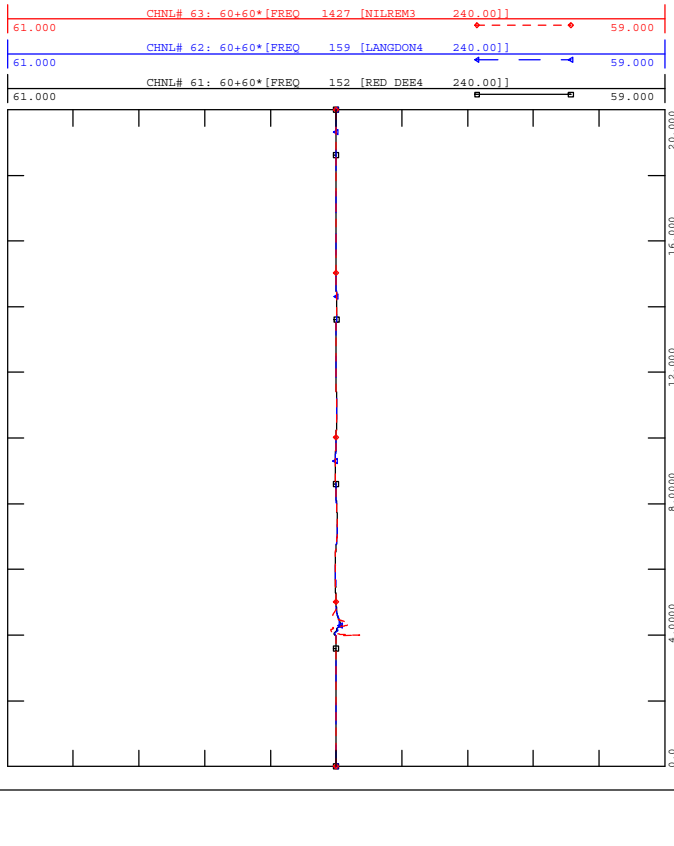


NEED_2021_SL_CASE03
C7-SLG -1047L_S552_574S-NILREM

FILE: NEED_2021_SL_CASE03/1047L_S552_574S-Nilrem.out

MON, NOV 28 2016 23:50

FREQUENCY

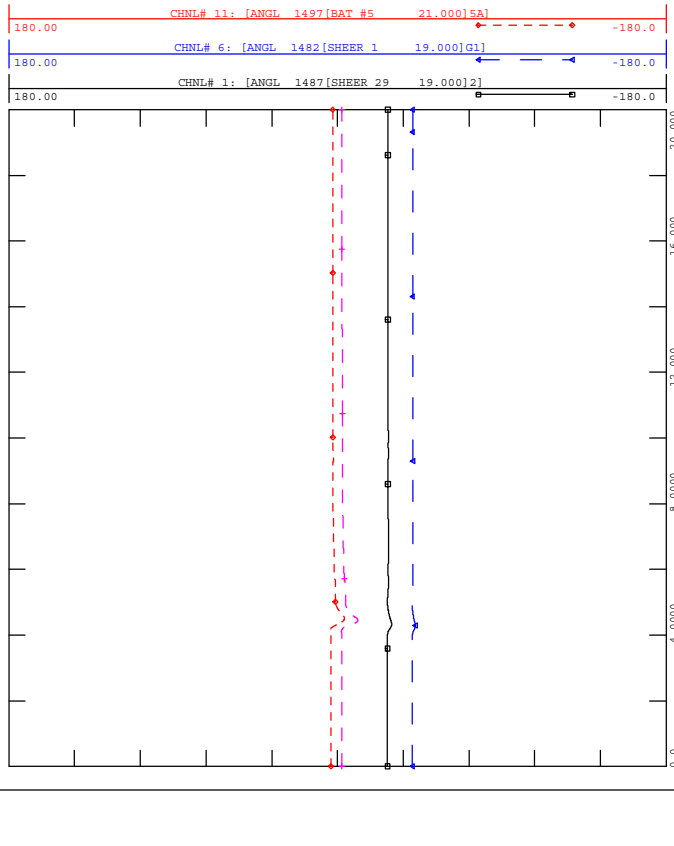


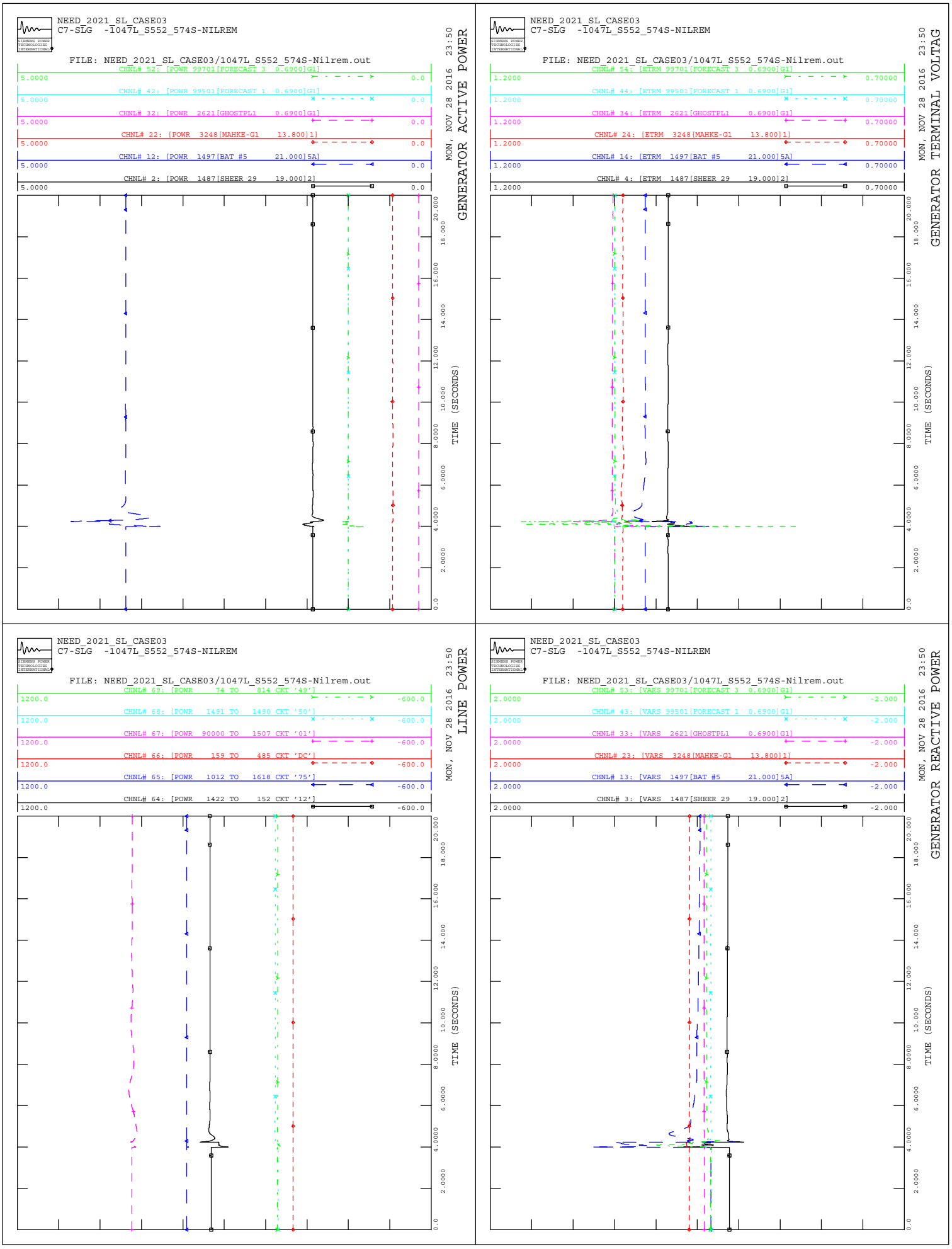
NEED_2021_SL_CASE03
C7-SLG -1047L_S552_574S-NILREM

FILE: NEED_2021_SL_CASE03/1047L_S552_574S-Nilrem.out

MON, NOV 28 2016 23:50

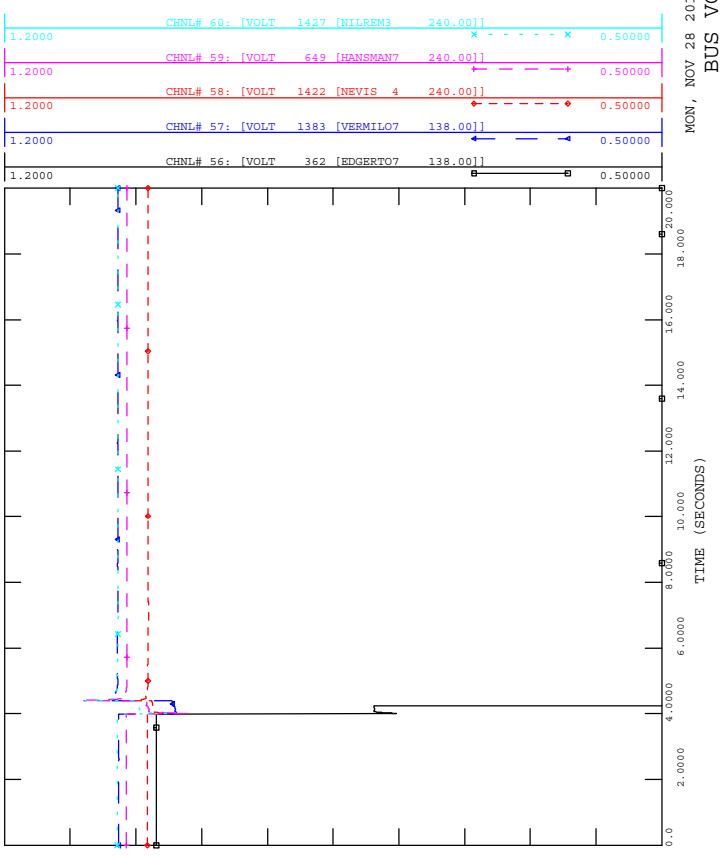
MACHINE ANGEL




NEED_2021_SL_CASE03
C7-SLG -1047L_S552_574S-NILREM
FILE: NEED_2021_SL_CASE03/1047L_S552_574S-Nilrem.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 28 2016 23:50
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -1047L_S552_574S-NILREM
FILE: NEED_2021_SL_CASE03/1047L_S552_574S-Nilrem.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 28 2016 23:50
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -1047L_S552_574S-NILREM
FILE: NEED_2021_SL_CASE03/1047L_S552_574S-Nilrem.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 28 2016 23:50
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -1047L_S552_574S-NILREM
FILE: NEED_2021_SL_CASE03/1047L_S552_574S-Nilrem.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 28 2016 23:50
TIME (SECONDS)

NEED_2021_SL_CASE03
C7-SLG -7L749_S749N_899S-EDGERTON

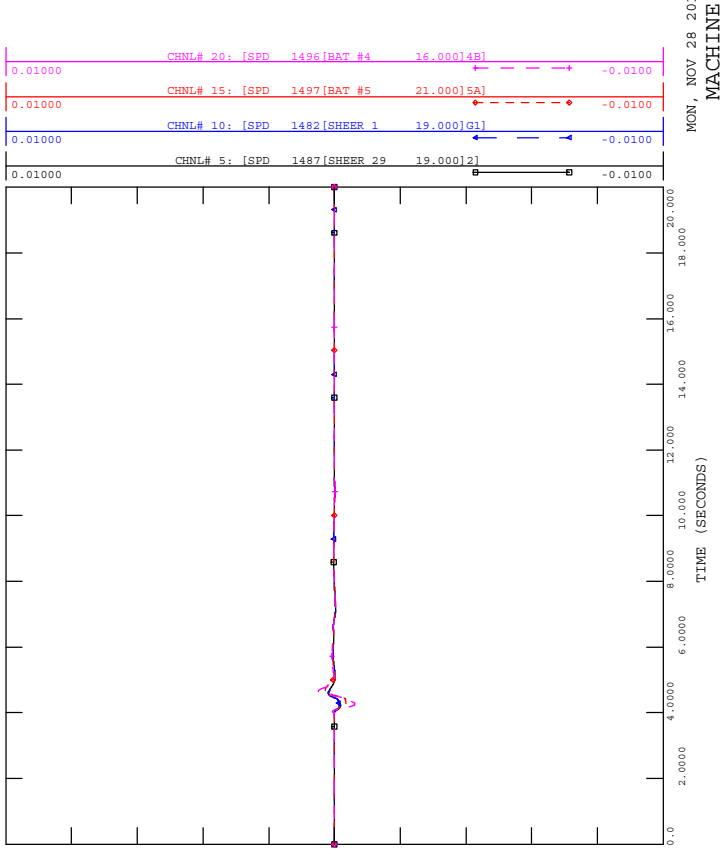
FILE: NEED_2021_SL_CASE03/7L749_S749N_899S-Edgerton.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -7L749_S749N_899S-EDGERTON

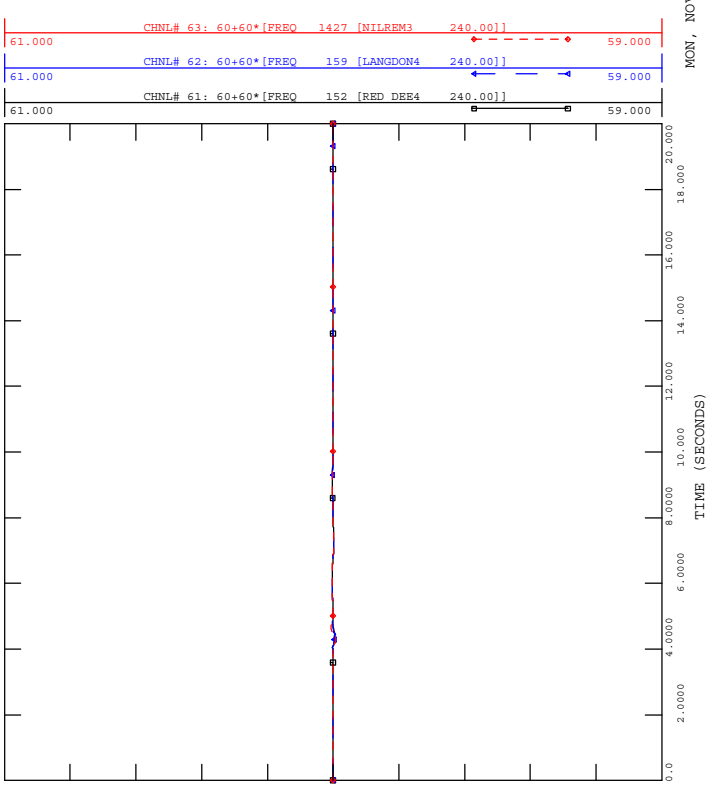
FILE: NEED_2021_SL_CASE03/7L749_S749N_899S-Edgerton.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -7L749_S749N_899S-EDGERTON

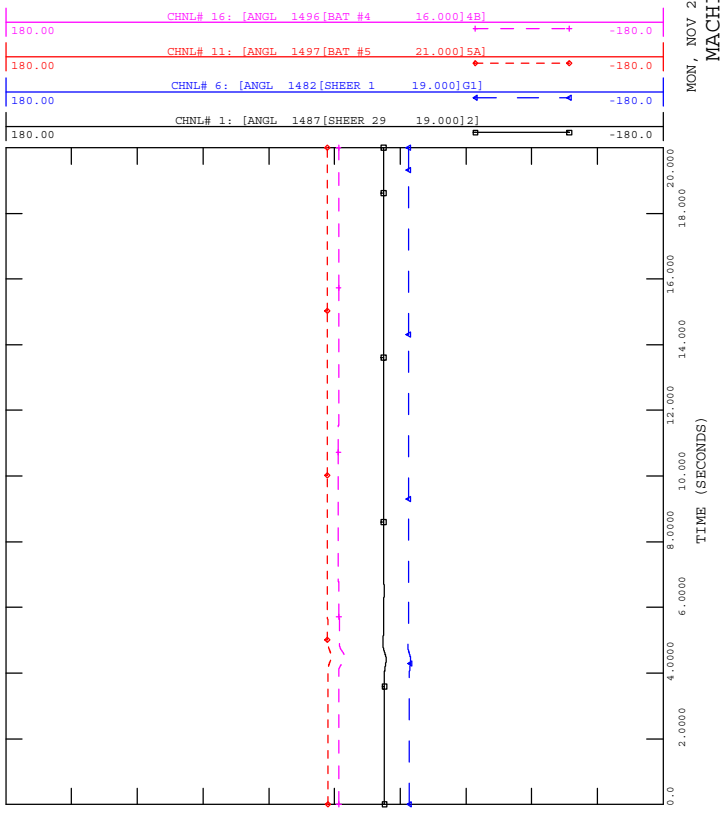
FILE: NEED_2021_SL_CASE03/7L749_S749N_899S-Edgerton.out



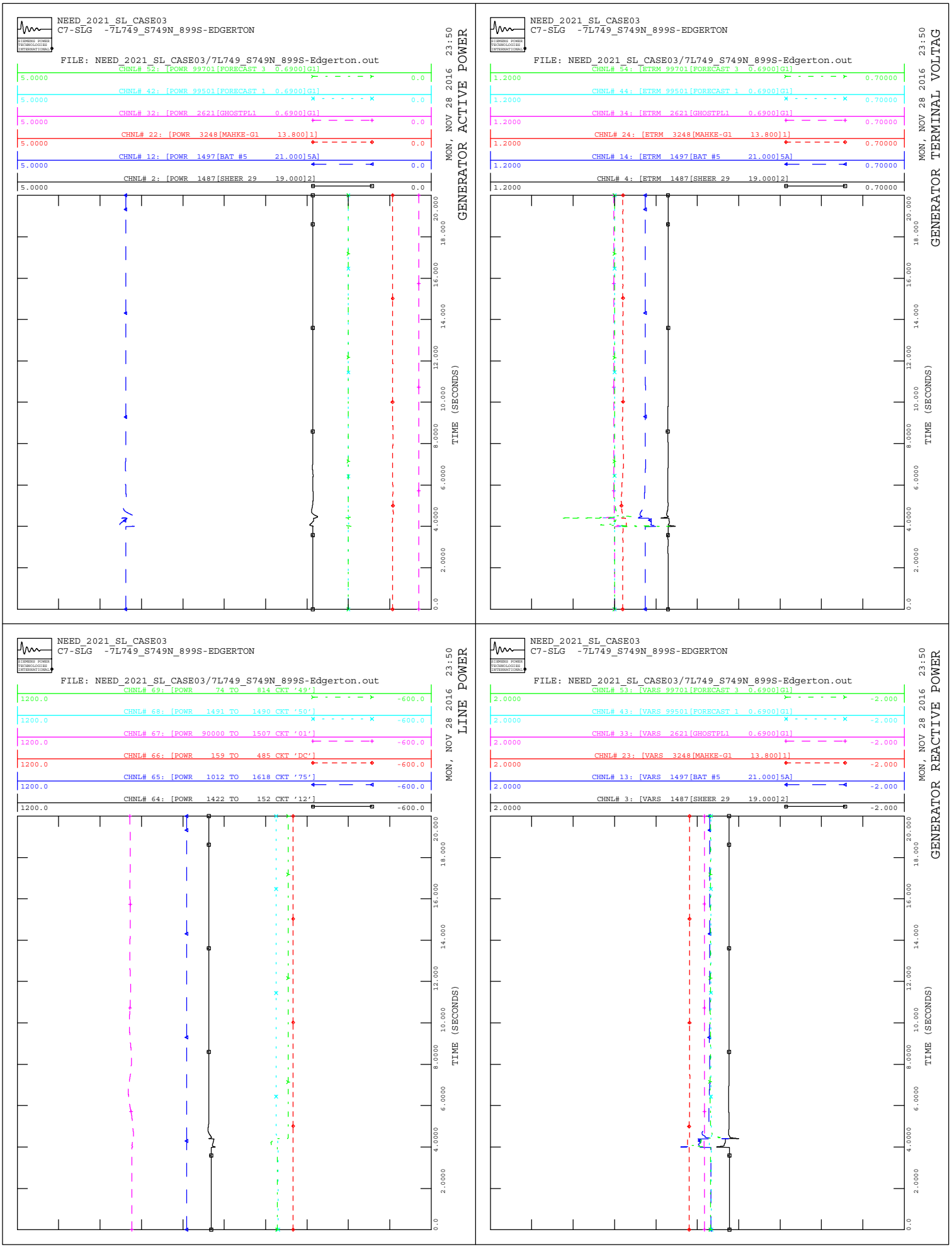
MON, NOV 28 2016 23:50
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: NEED_2021_SL_CASE03/7L749_S749N_899S-Edgerton.out

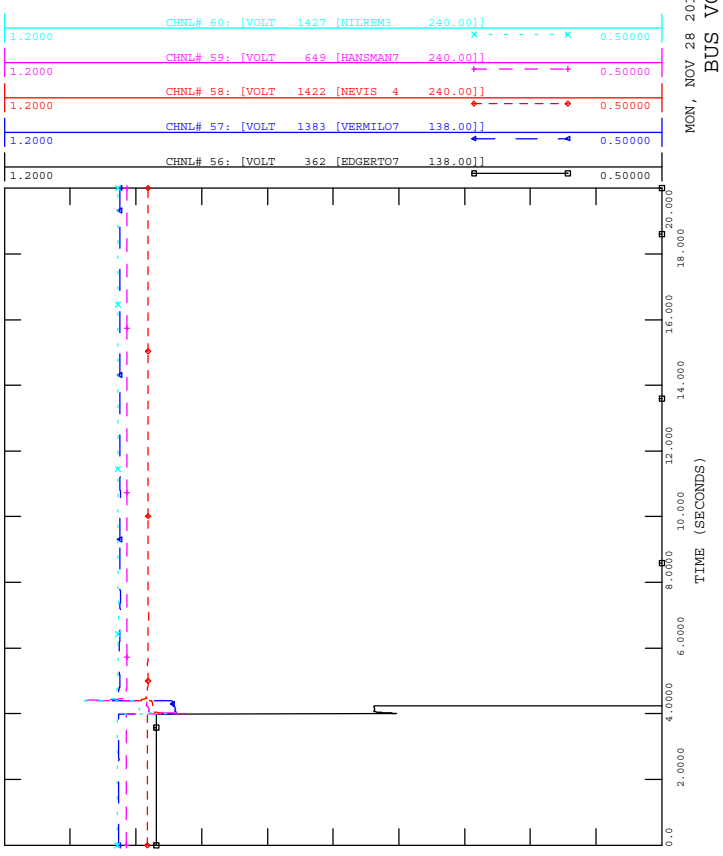


MON, NOV 28 2016 23:50
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: NEED_2021_SL_CASE03/7L749_S749N_899S-Edgerton.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 28 2016 23:50
TIME (SECONDS)
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -749L_S749X_899S-EDGERTON

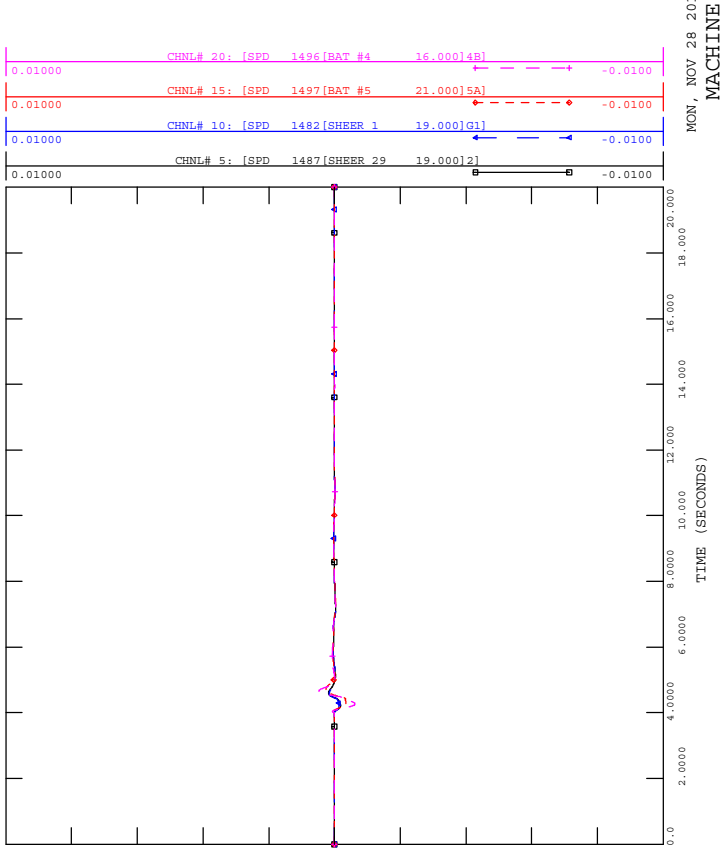
FILE: NEED_2021_SL_CASE03/749L_S749X_899S-Edgerton.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -749L_S749X_899S-EDGERTON

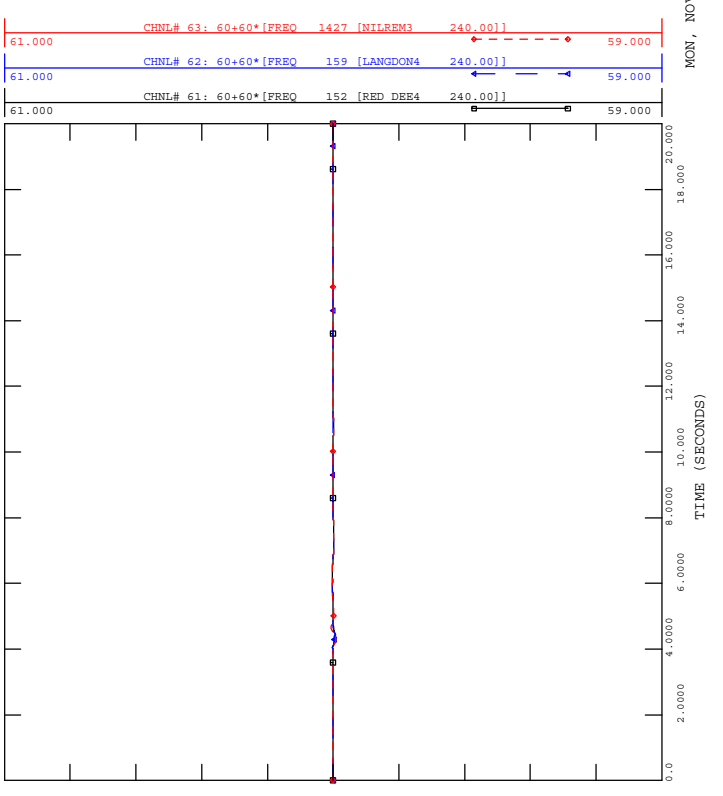
FILE: NEED_2021_SL_CASE03/749L_S749X_899S-Edgerton.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -749L_S749X_899S-EDGERTON

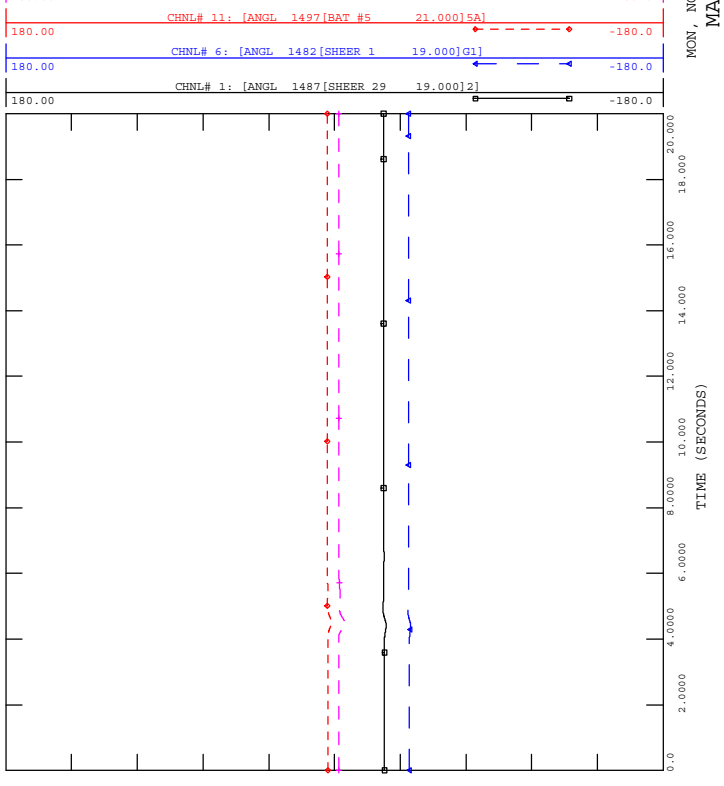
FILE: NEED_2021_SL_CASE03/749L_S749X_899S-Edgerton.out



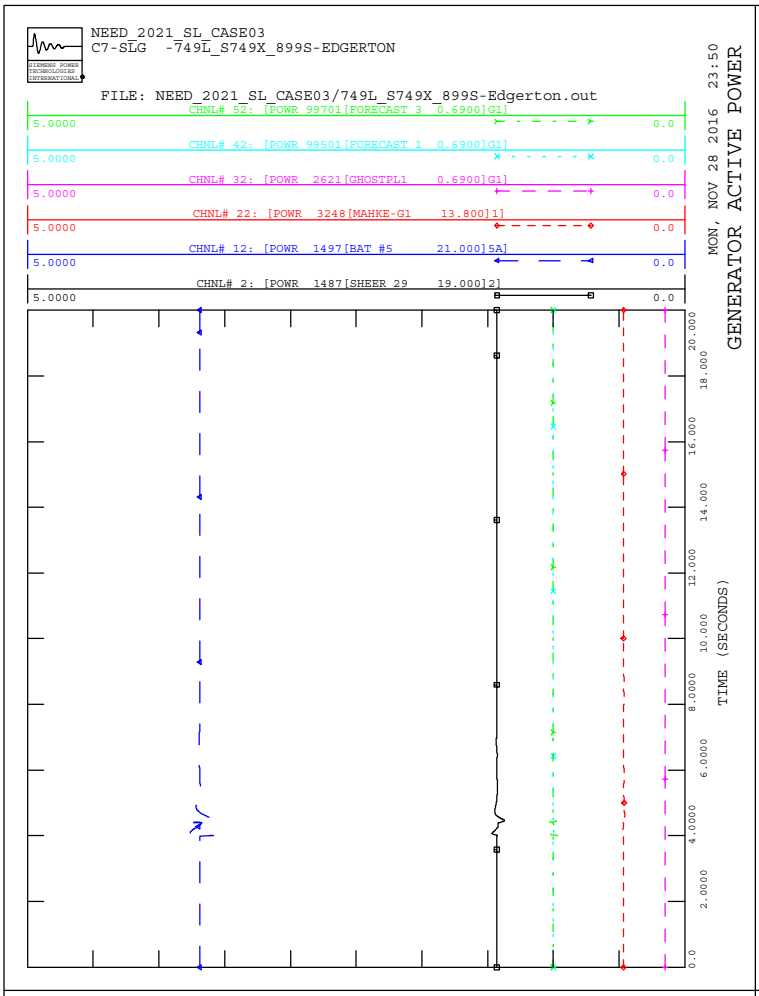
MON, NOV 28 2016 23:50
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -749L_S749X_899S-EDGERTON

FILE: NEED_2021_SL_CASE03/749L_S749X_899S-Edgerton.out



MON, NOV 28 2016 23:50
MACHINE ANGEL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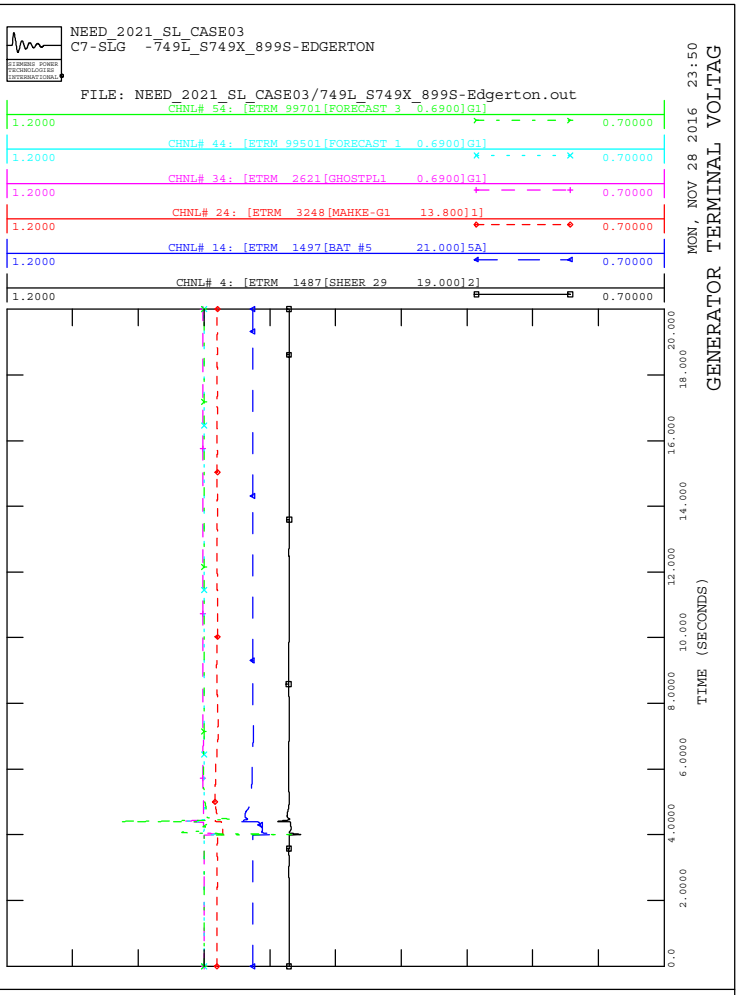
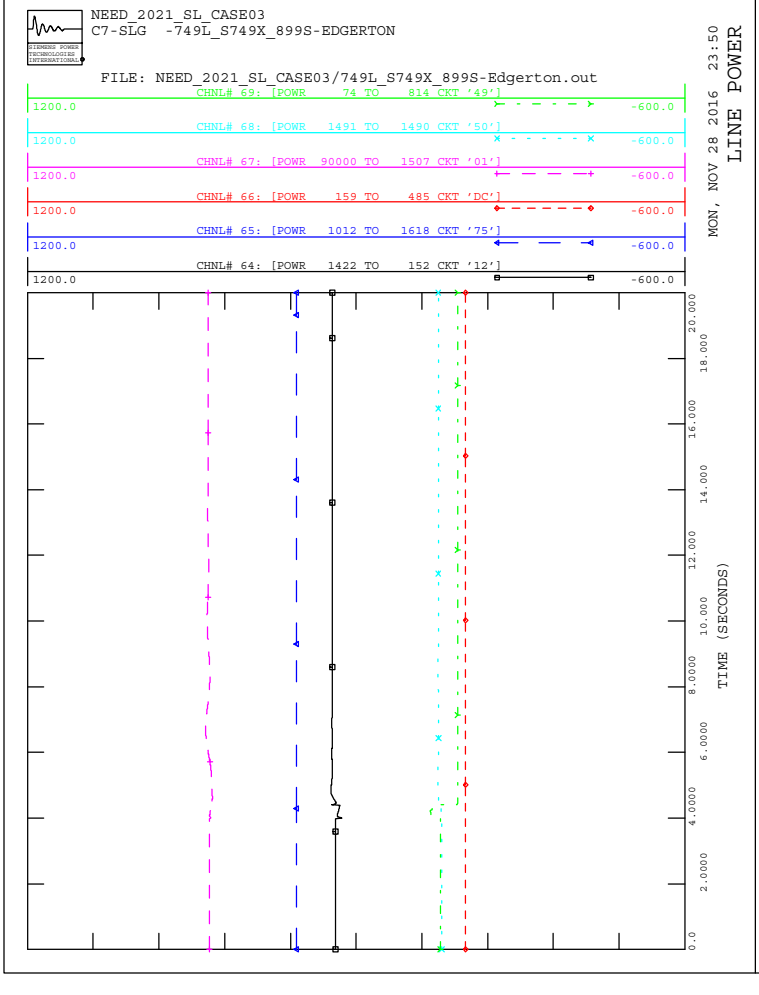
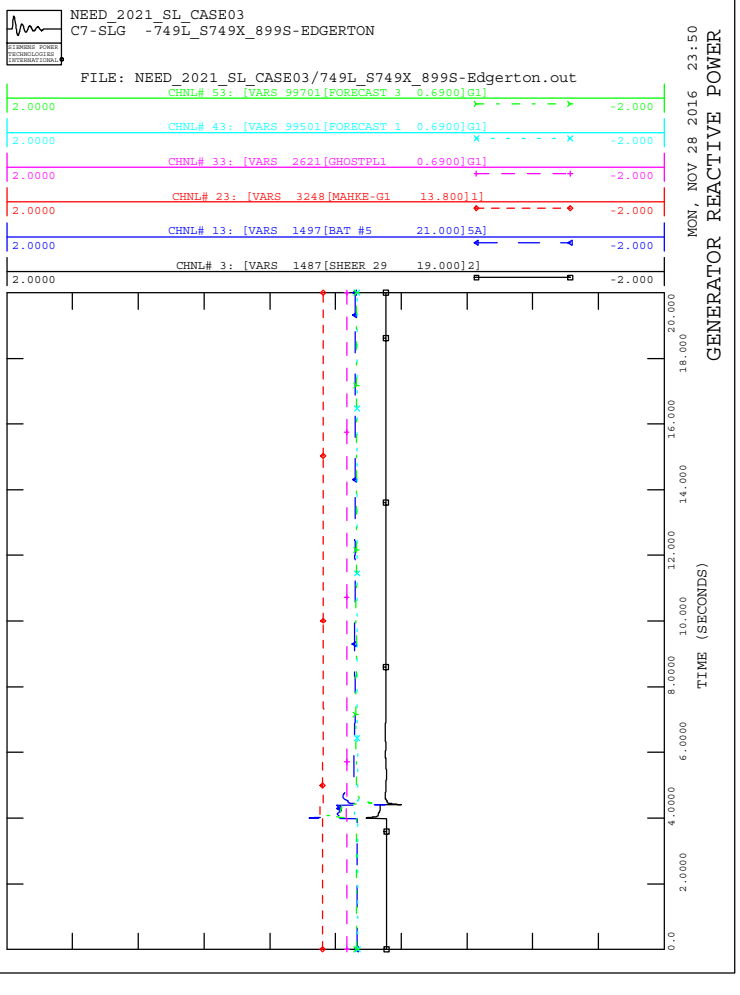
C7-SLG -749L_S749X_899S-EDGERTON
FILE: NEED_2021_SL_CASE03/749L_S749X_899S-Edgerton.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER
TIME (SECONDS)

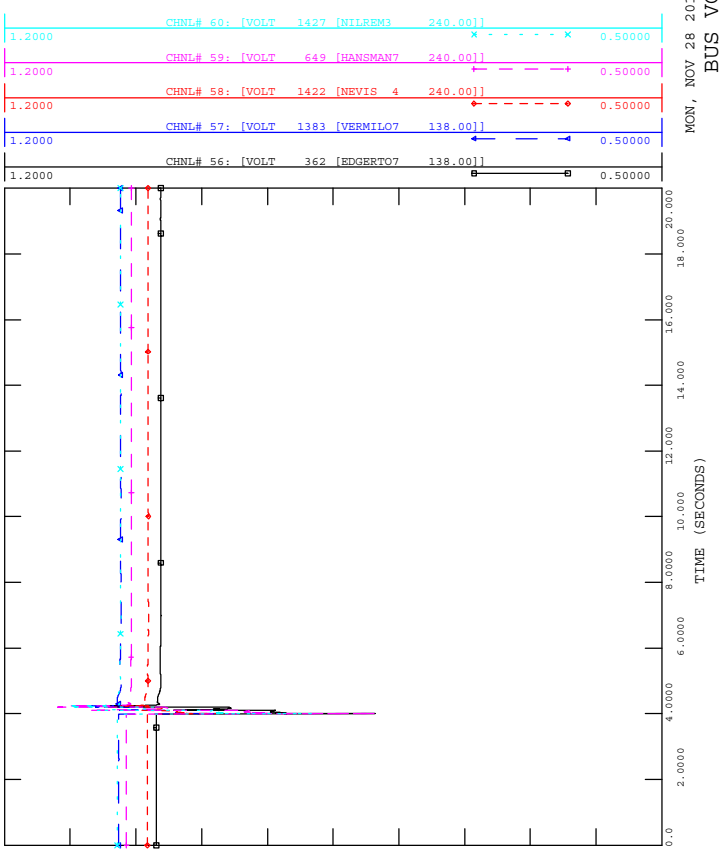

NEED_2021_SL_CASE03
C7-SLG -749L_S749X_899S-EDGERTON
FILE: NEED_2021_SL_CASE03/749L_S749X_899S-Edgerton.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


NEED_2021_SL_CASE03
C7-SLG -749L_S749X_899S-EDGERTON
FILE: NEED_2021_SL_CASE03/749L_S749X_899S-Edgerton.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:50
LINE POWER
TIME (SECONDS)


NEED_2021_SL_CASE03
C7-SLG -749L_S749X_899S-EDGERTON
FILE: NEED_2021_SL_CASE03/749L_S749X_899S-Edgerton.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_SL_CASE03
C7-SLG -9L966_S905_932S-PEMUKAN

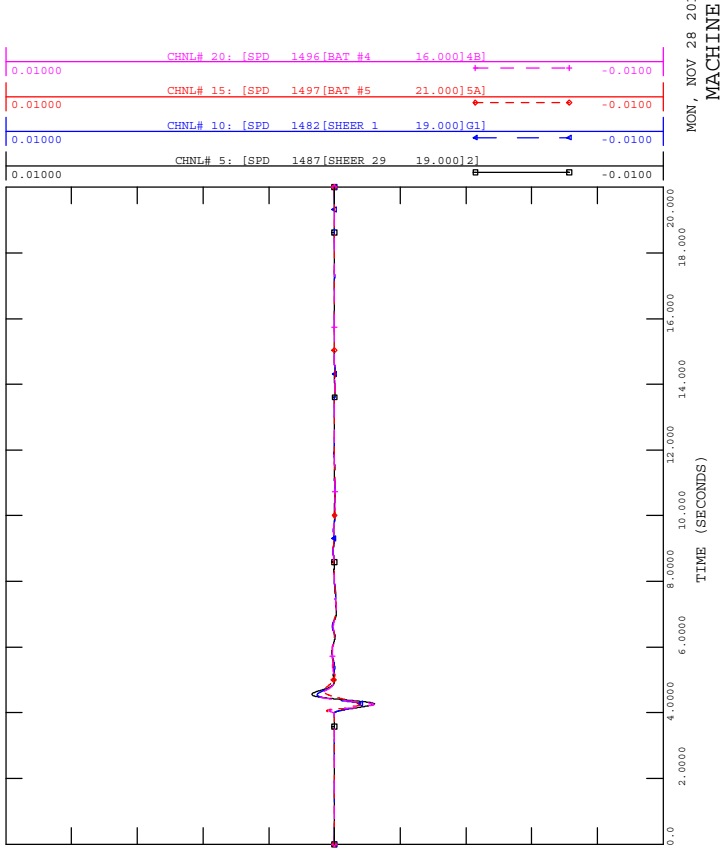
FILE: NEED_2021_SL_CASE03/9L966_S905_932S-Pemukan.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L966_S905_932S-PEMUKAN

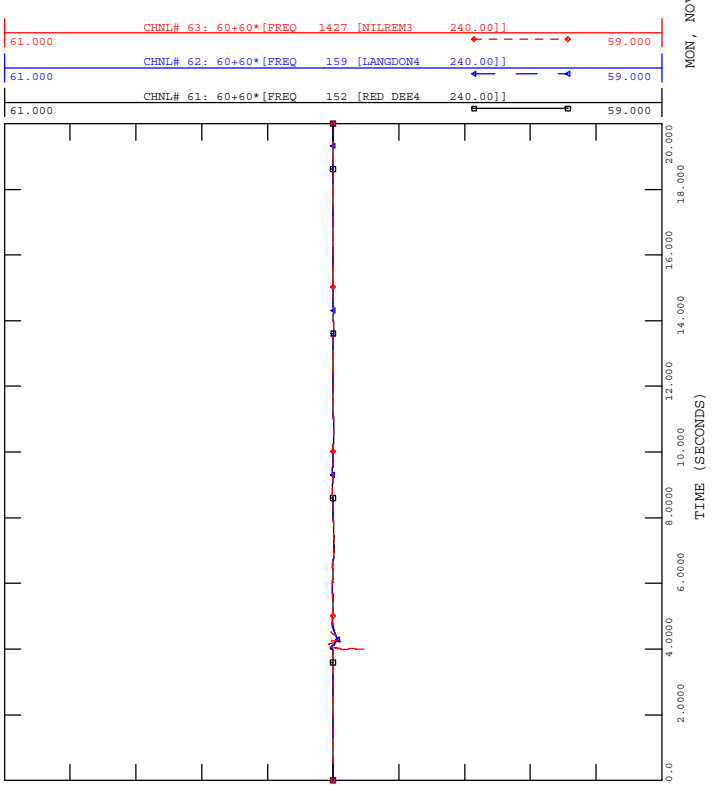
FILE: NEED_2021_SL_CASE03/9L966_S905_932S-Pemukan.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L966_S905_932S-PEMUKAN

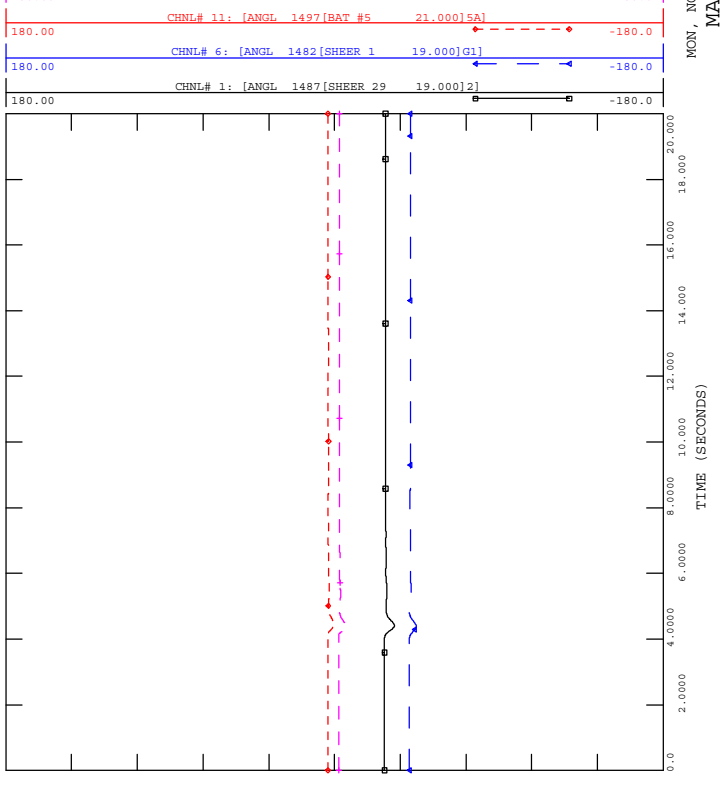
FILE: NEED_2021_SL_CASE03/9L966_S905_932S-Pemukan.out



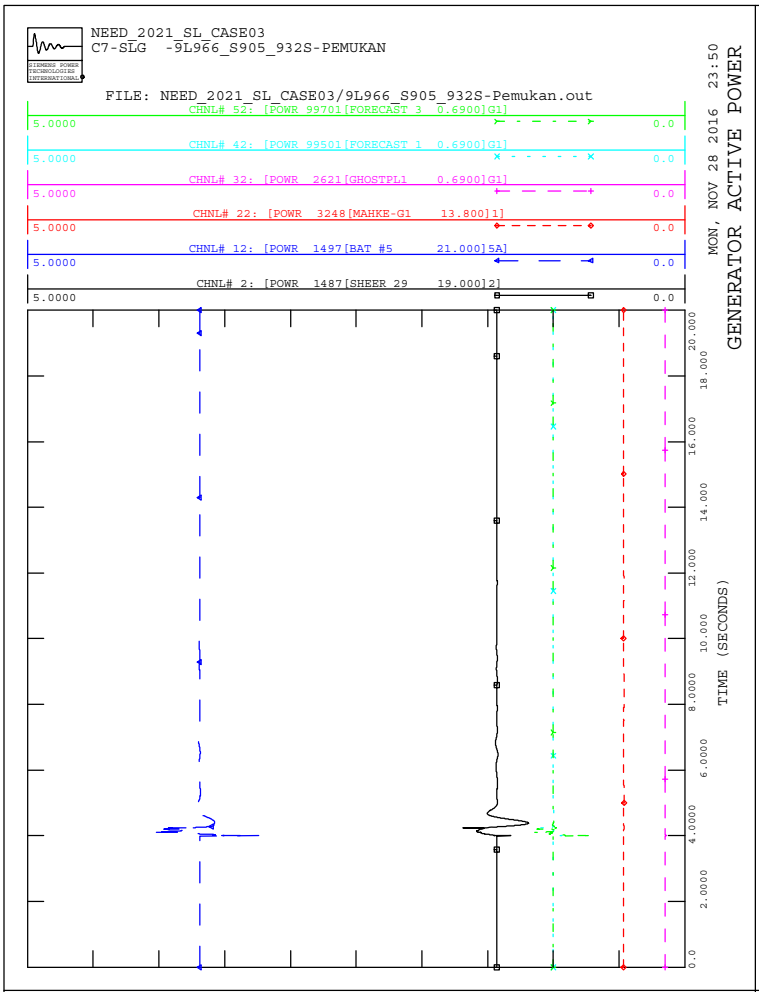
MON, NOV 28 2016 23:50
FREQUENCY

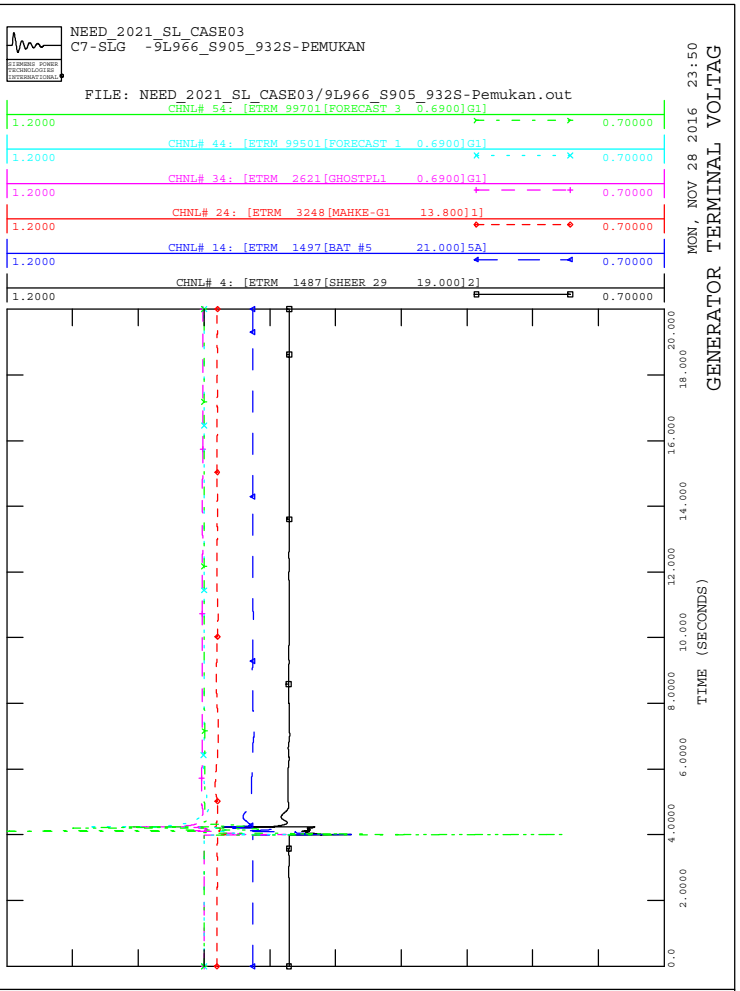
NEED_2021_SL_CASE03
C7-SLG -9L966_S905_932S-PEMUKAN

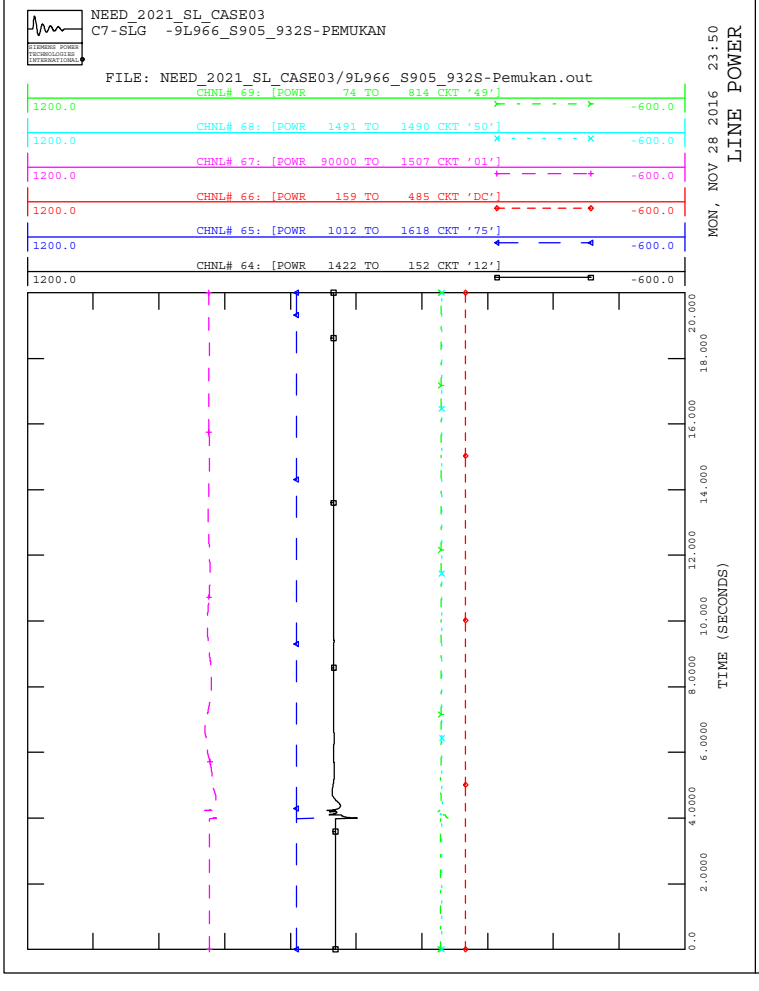
FILE: NEED_2021_SL_CASE03/9L966_S905_932S-Pemukan.out



MON, NOV 28 2016 23:50
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: NEED_2021_SL_CASE03/9L966_S905_932S-Pemukan.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: NEED_2021_SL_CASE03/9L966_S905_932S-Pemukan.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG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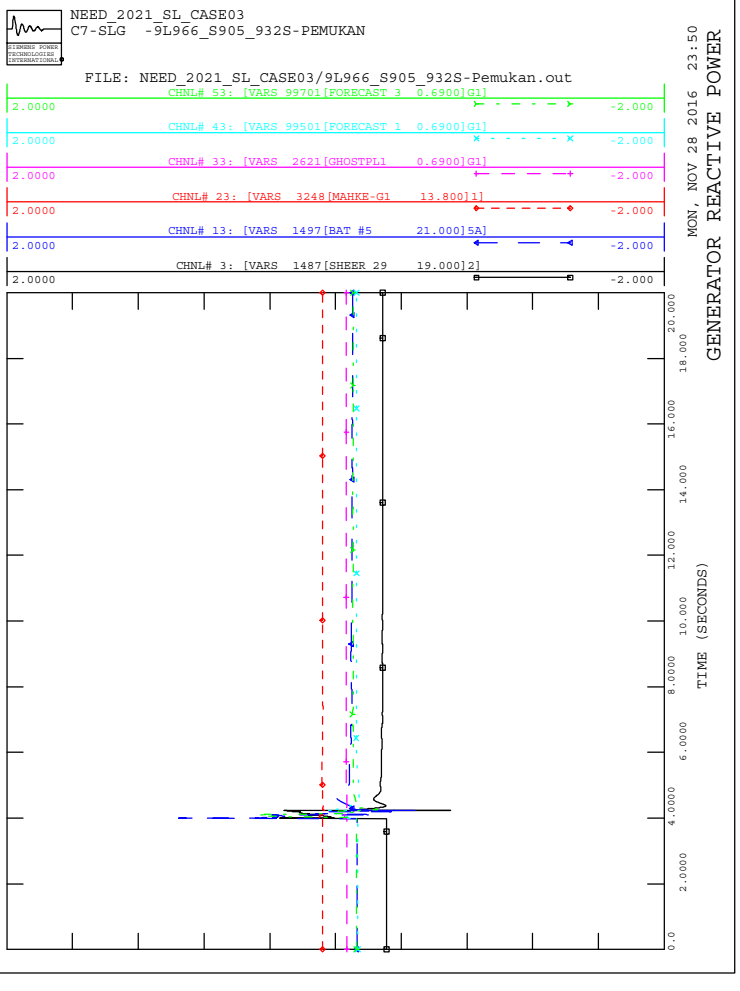
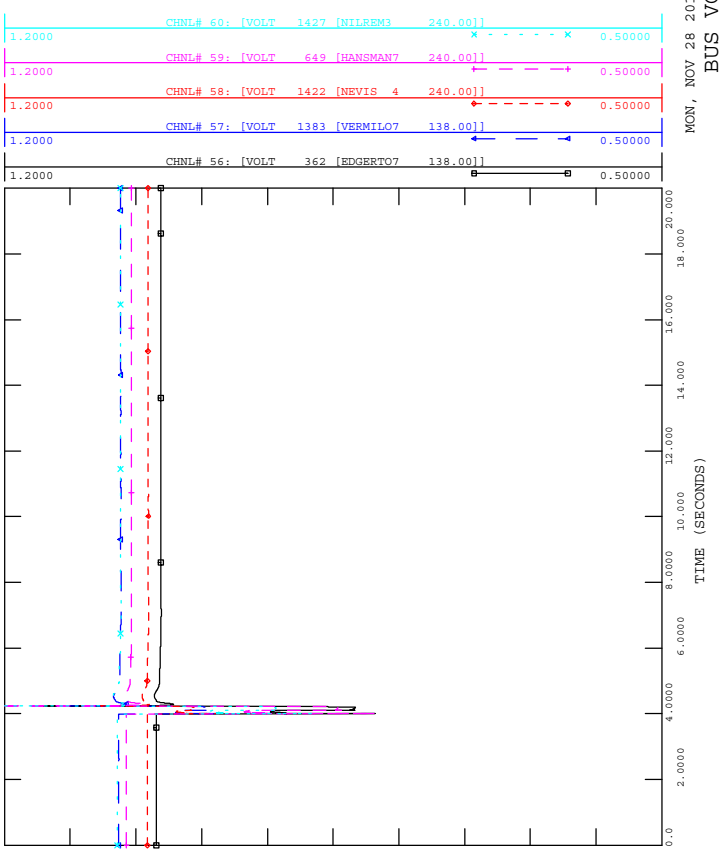
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: NEED_2021_SL_CASE03/9L966_S905_932S-Pemukan.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
LINE POWER


NEED_2021_SL_CASE03
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: NEED_2021_SL_CASE03/9L966_S905_932S-Pemukan.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L46_S905_932S-PEMUKAN

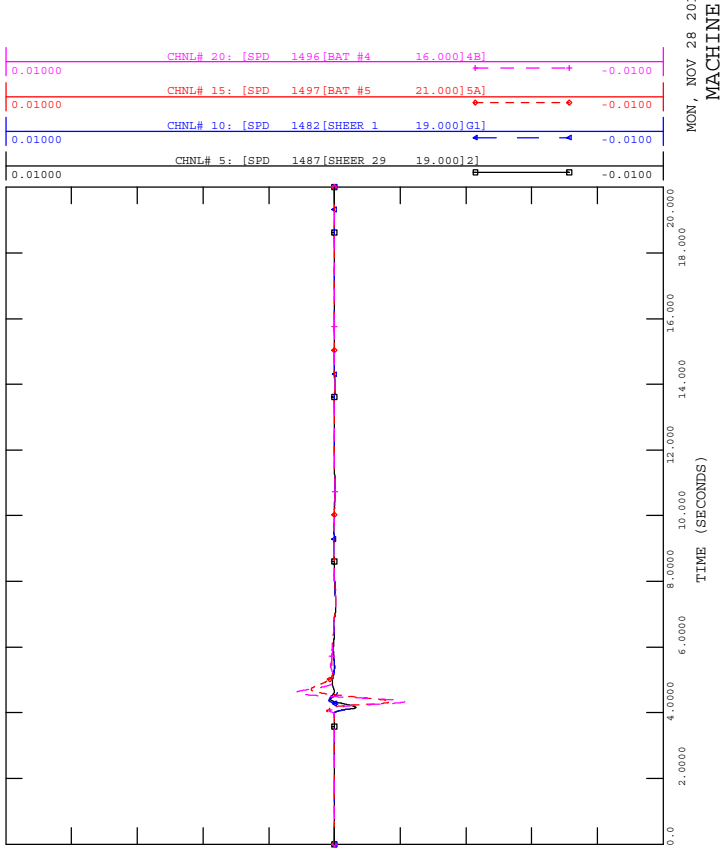
FILE: NEED_2021_SL_CASE03/9L46_S905_932S-Pemukan.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L46_S905_932S-PEMUKAN

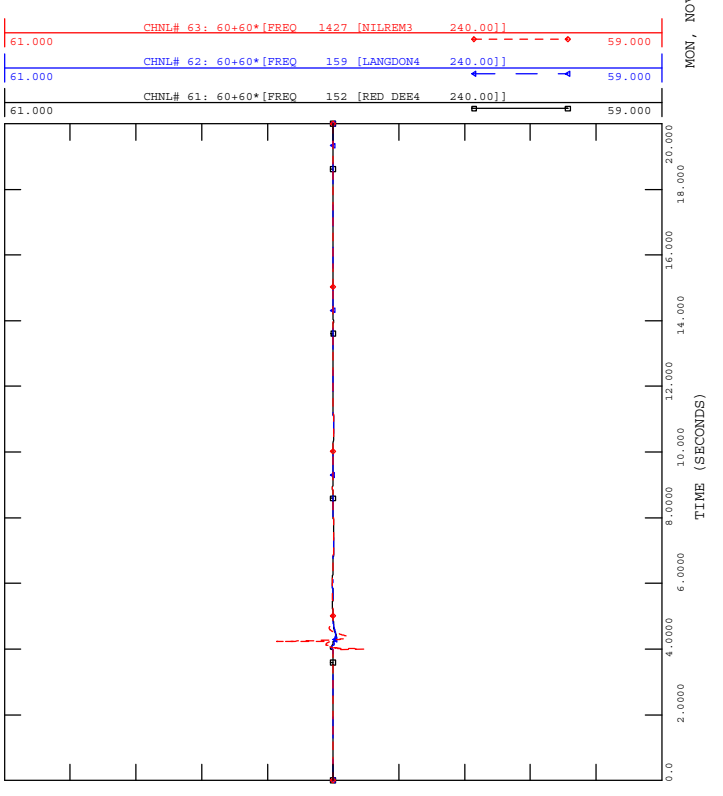
FILE: NEED_2021_SL_CASE03/9L46_S905_932S-Pemukan.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L46_S905_932S-PEMUKAN

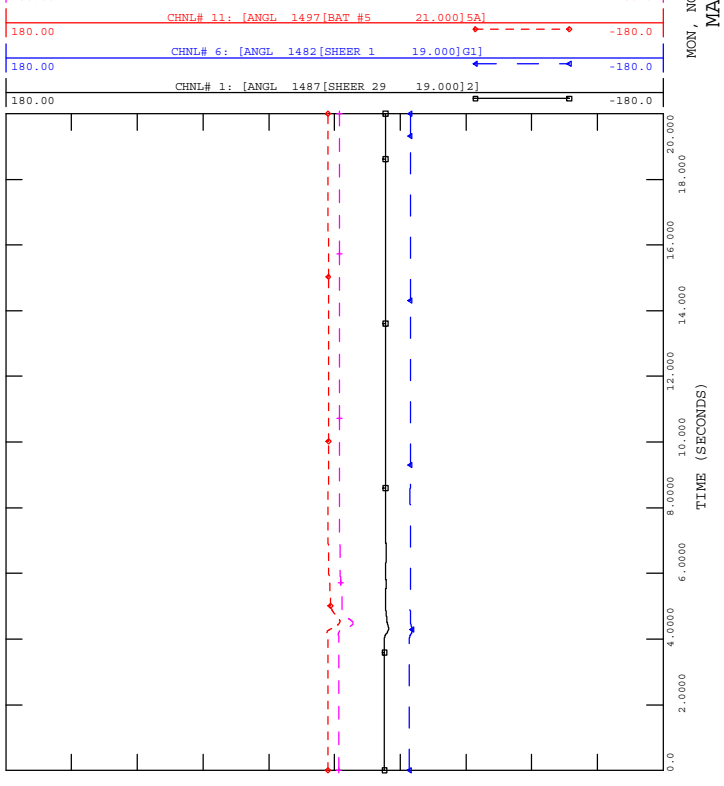
FILE: NEED_2021_SL_CASE03/9L46_S905_932S-Pemukan.out



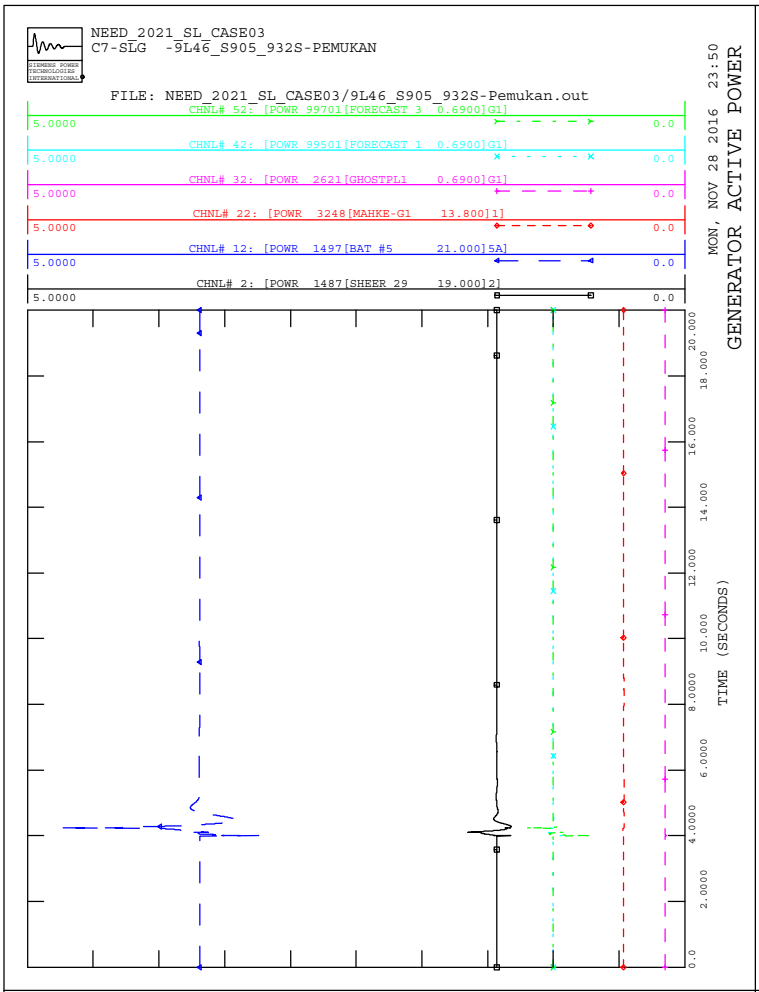
MON, NOV 28 2016 23:50
FREQUENCY

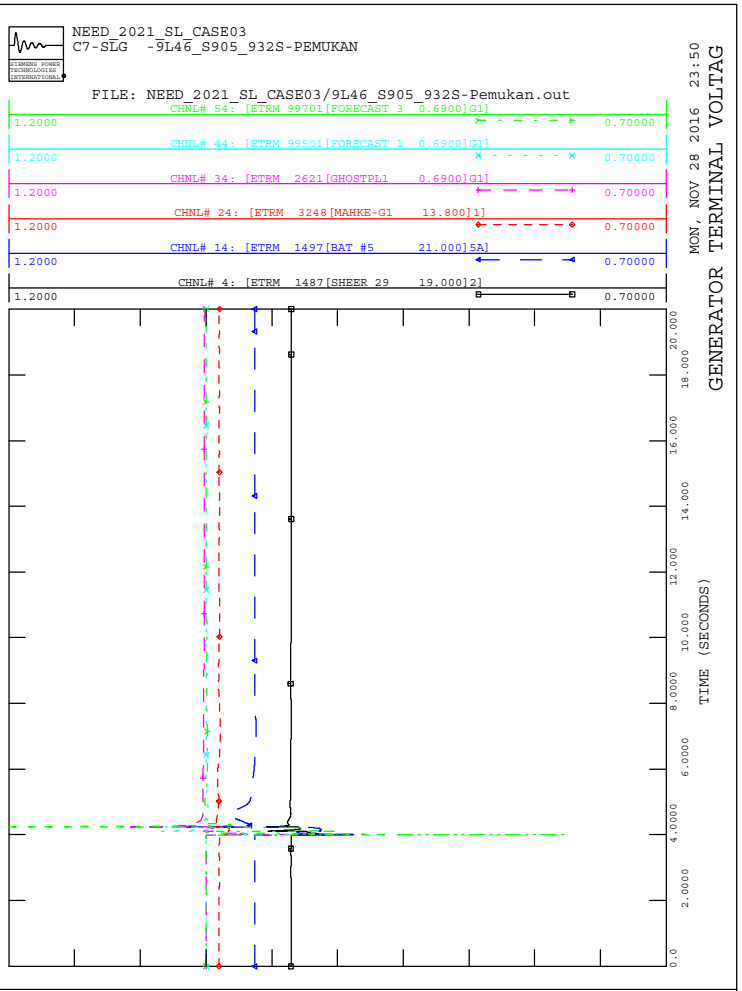
NEED_2021_SL_CASE03
C7-SLG -9L46_S905_932S-PEMUKAN

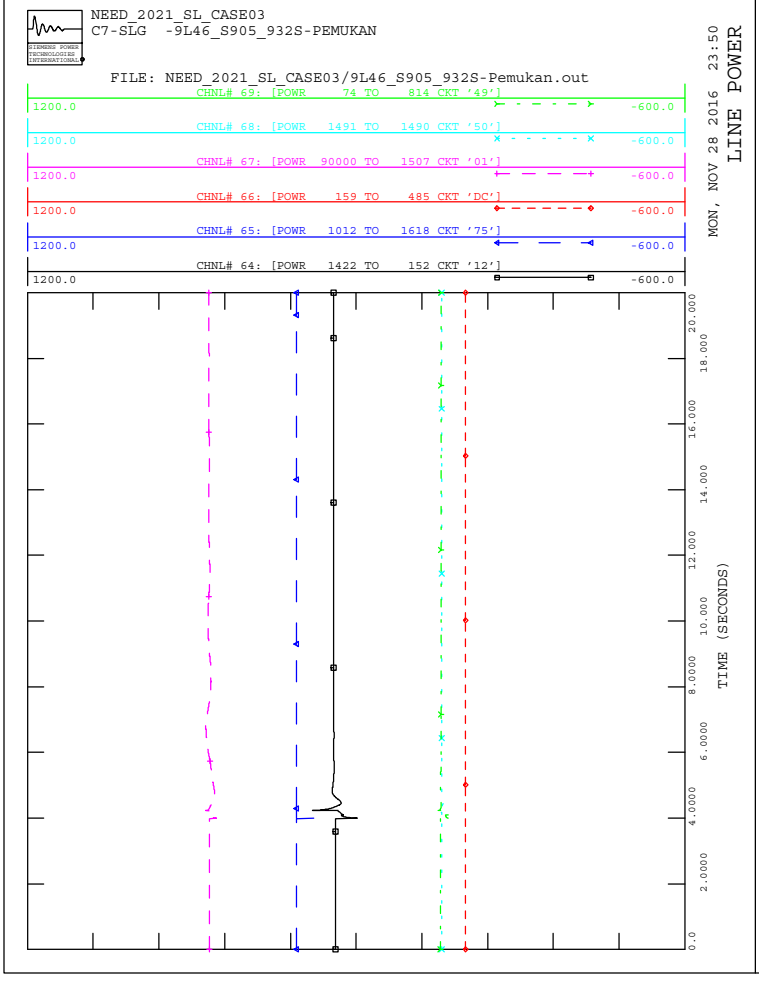
FILE: NEED_2021_SL_CASE03/9L46_S905_932S-Pemukan.out

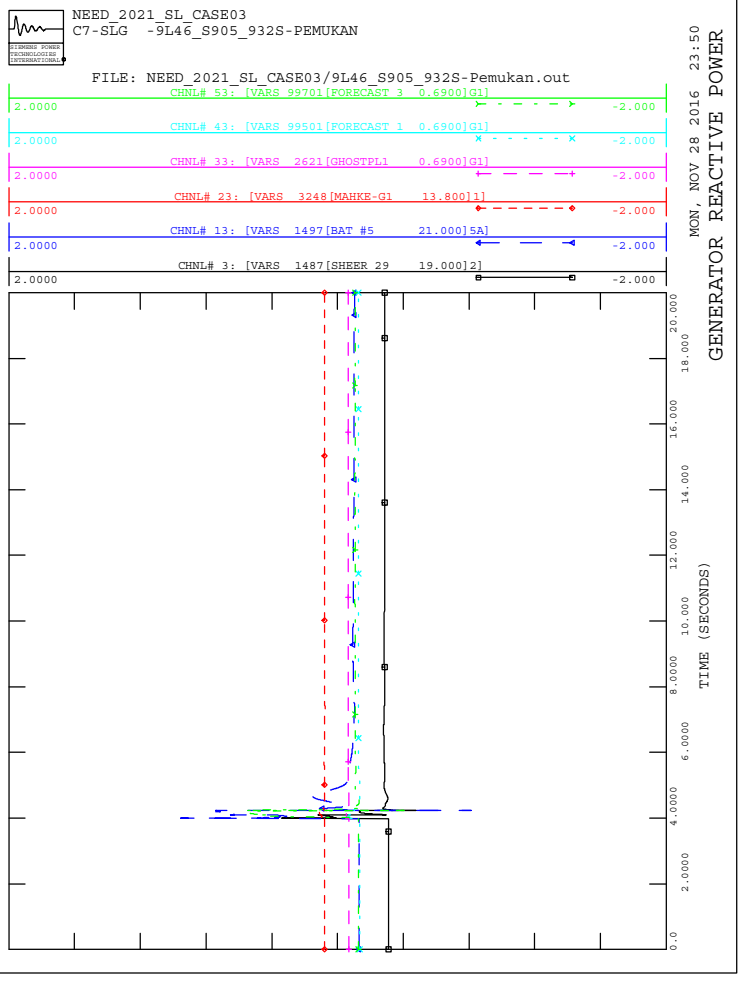


MON, NOV 28 2016 23:50
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: NEED_2021_SL_CASE03/9L46_S905_932S-Pemukan.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

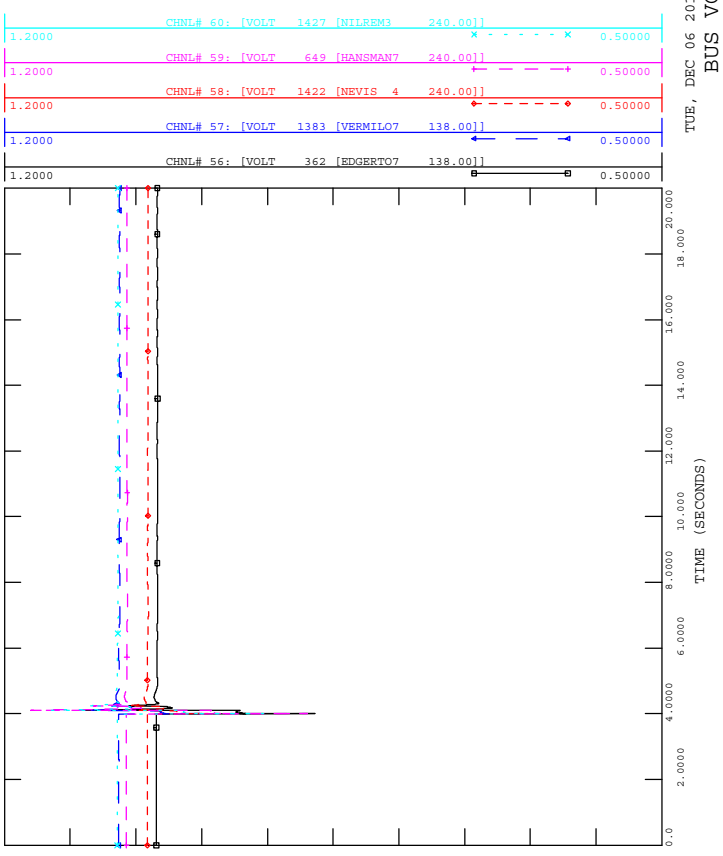

NEED_2021_SL_CASE03
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: NEED_2021_SL_CASE03/9L46_S905_932S-Pemukan.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: NEED_2021_SL_CASE03/9L46_S905_932S-Pemukan.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:50
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_SL_CASE03
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: NEED_2021_SL_CASE03/9L46_S905_932S-Pemukan.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_SL_CASE03
C7-SLG -9L46_S905_959S-LANFINE

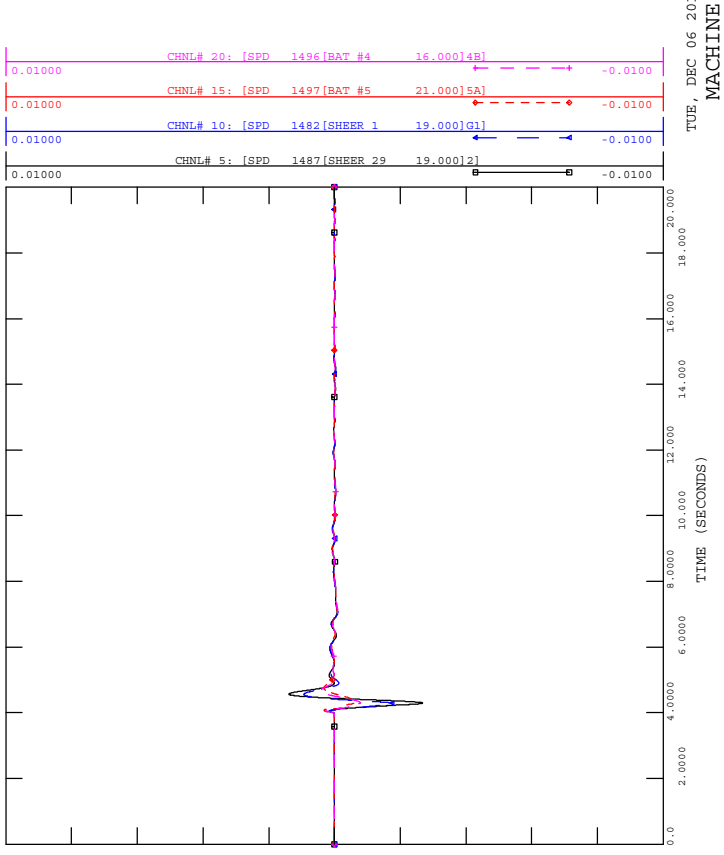
FILE: NEED_2021_SL_CASE03/9L46_S905_959S-Lanfine.out



TUE, DEC 06 2016 13:28
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L46_S905_959S-LANFINE

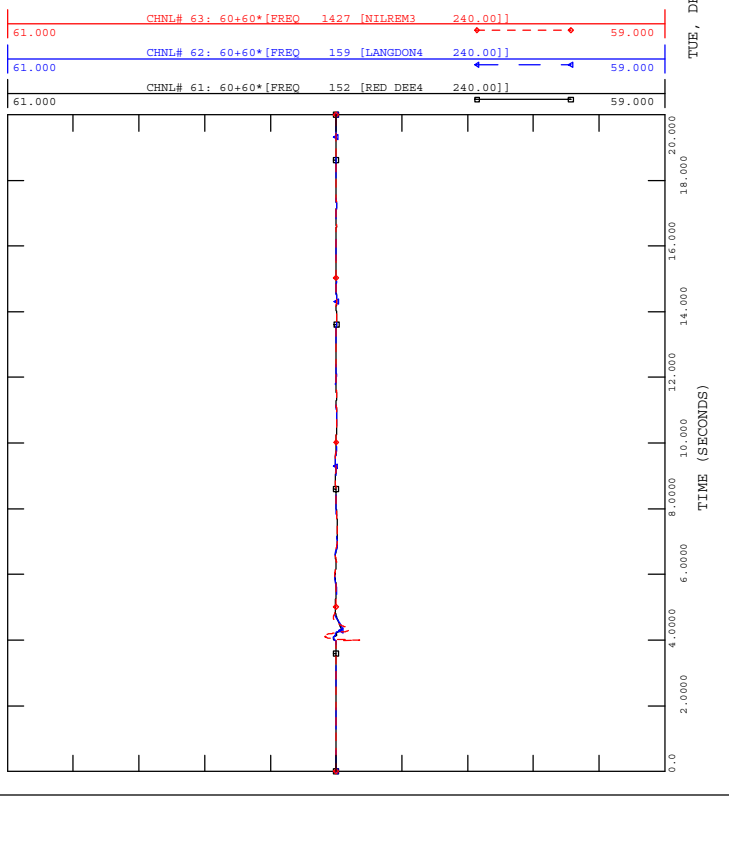
FILE: NEED_2021_SL_CASE03/9L46_S905_959S-Lanfine.out



TUE, DEC 06 2016 13:28
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L46_S905_959S-LANFINE

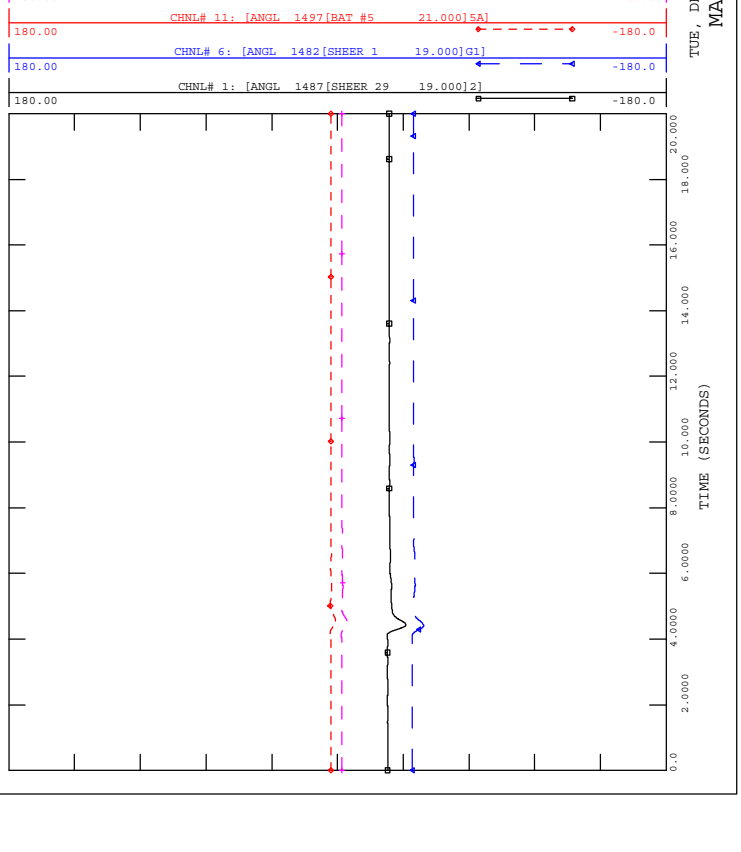
FILE: NEED_2021_SL_CASE03/9L46_S905_959S-Lanfine.out



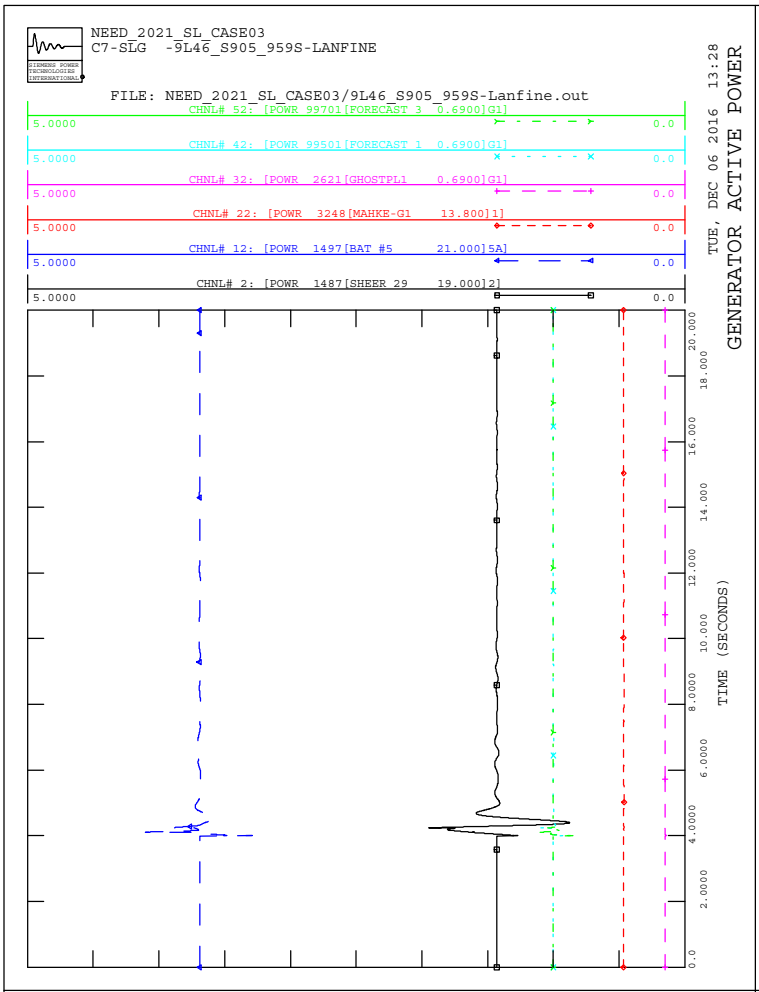
TUE, DEC 06 2016 13:28
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -9L46_S905_959S-LANFINE

FILE: NEED_2021_SL_CASE03/9L46_S905_959S-Lanfine.out



TUE, DEC 06 2016 13:28
MACHINE ANGEL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C7-SLG -9L46_S905_959S-LANFINE
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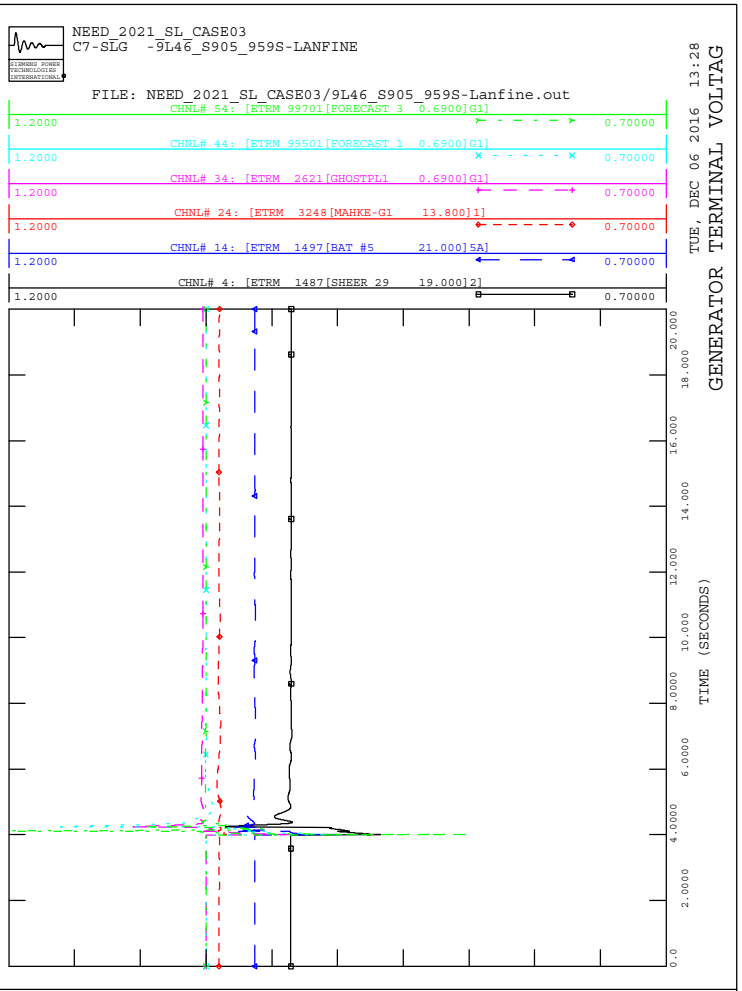
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 13:28
GENERATOR ACTIVE POWER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C7-SLG -9L46_S905_959S-LANFINE
FILE: NEED_2021_SL_CASE03/9L46_S905_959S-Lanfine.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
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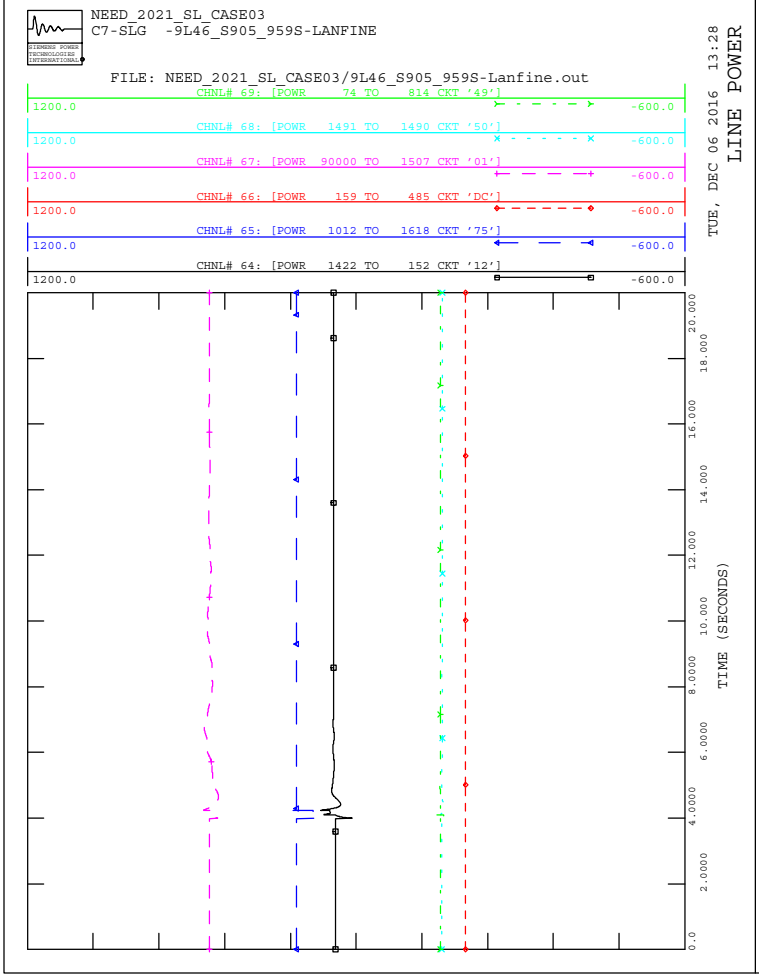
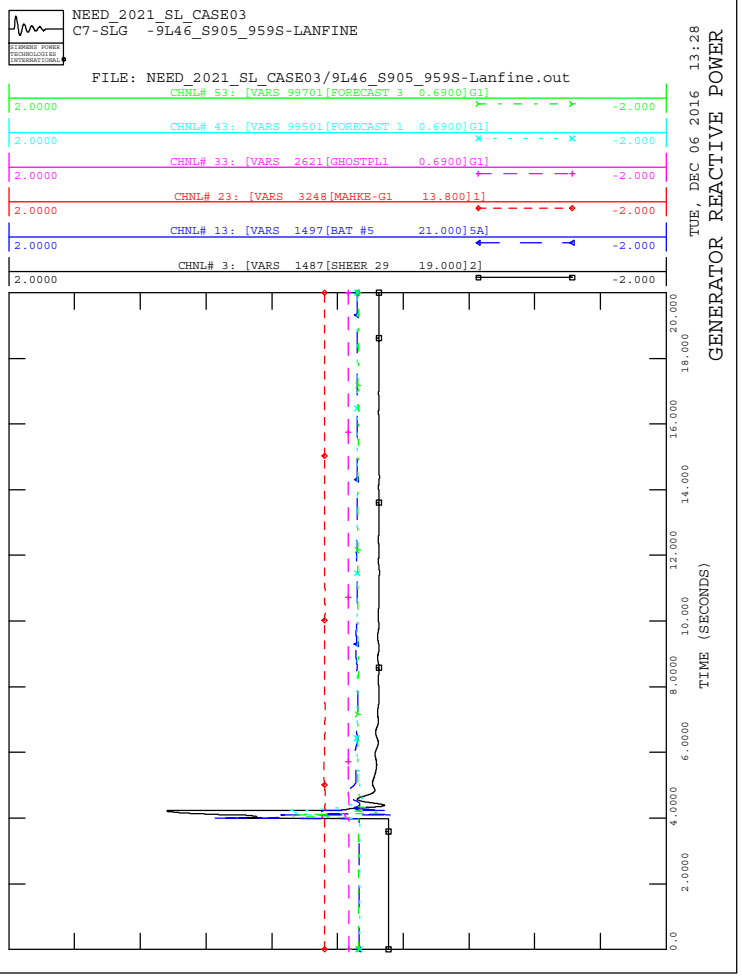
16.000
18.000
20.000
TUE, DEC 06 2016 13:28
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -9L46_S905_959S-LANFINE
FILE: NEED_2021_SL_CASE03/9L46_S905_959S-Lanfine.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 13:28
LINE POWER

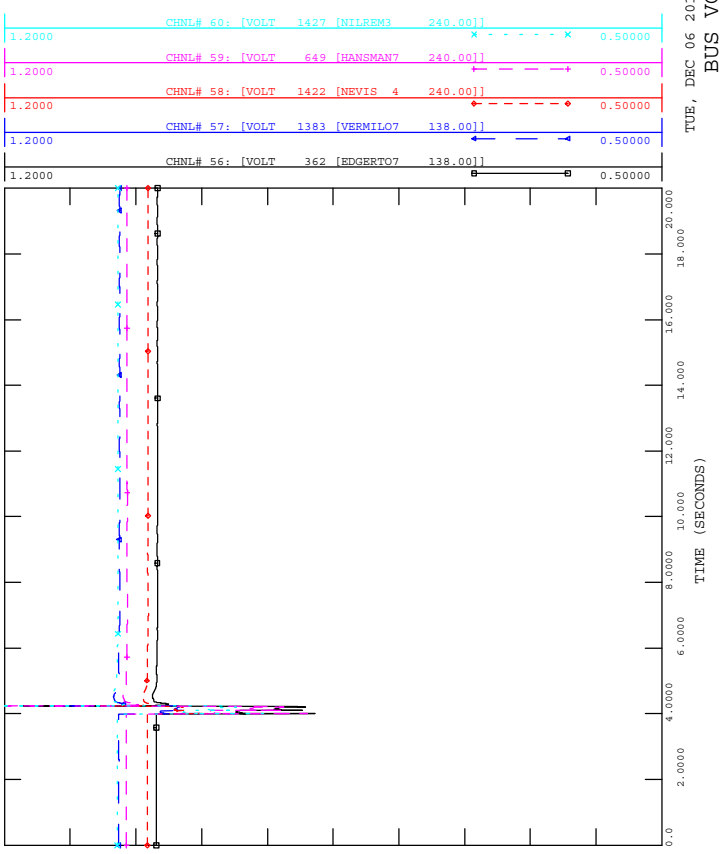

NEED_2021_SL_CASE03
C7-SLG -9L46_S905_959S-LANFINE
FILE: NEED_2021_SL_CASE03/9L46_S905_959S-Lanfine.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 13:28
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L24_S905_959S-LANFINE

FILE: NEED_2021_SL_CASE03/9L24_S905_959S-Lanfine.out

TUE, DEC 06 2016 13:28

BUS VOLTAGE

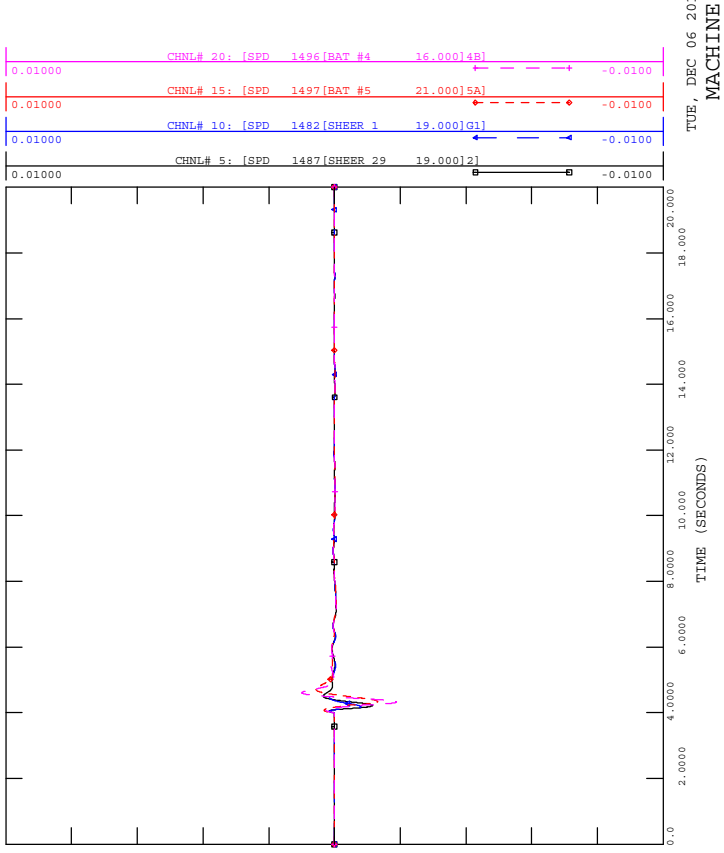


NEED_2021_SL_CASE03
C7-SLG -9L24_S905_959S-LANFINE

FILE: NEED_2021_SL_CASE03/9L24_S905_959S-Lanfine.out

TUE, DEC 06 2016 13:28

MACHINE SPEED

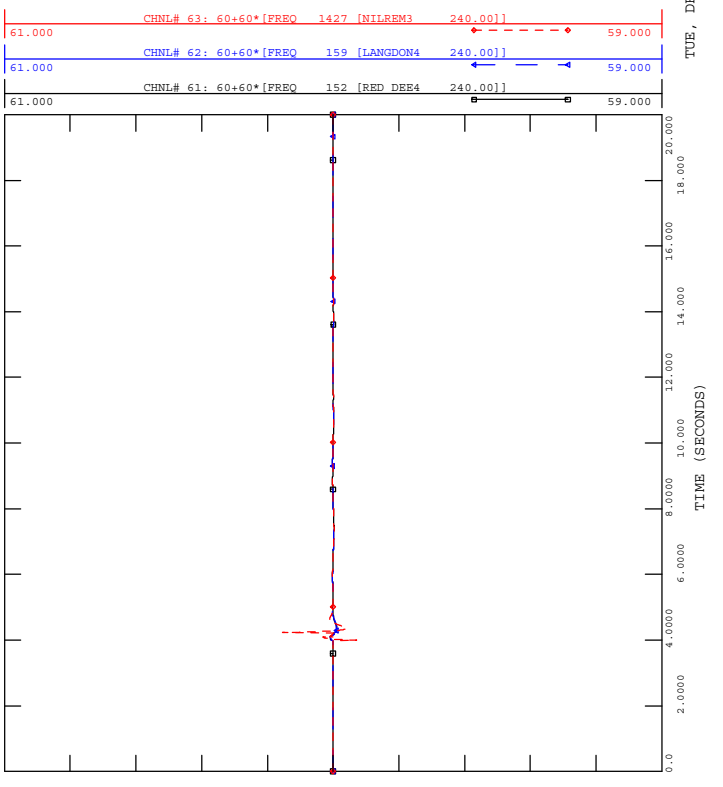


NEED_2021_SL_CASE03
C7-SLG -9L24_S905_959S-LANFINE

FILE: NEED_2021_SL_CASE03/9L24_S905_959S-Lanfine.out

TUE, DEC 06 2016 13:28

FREQUENCY

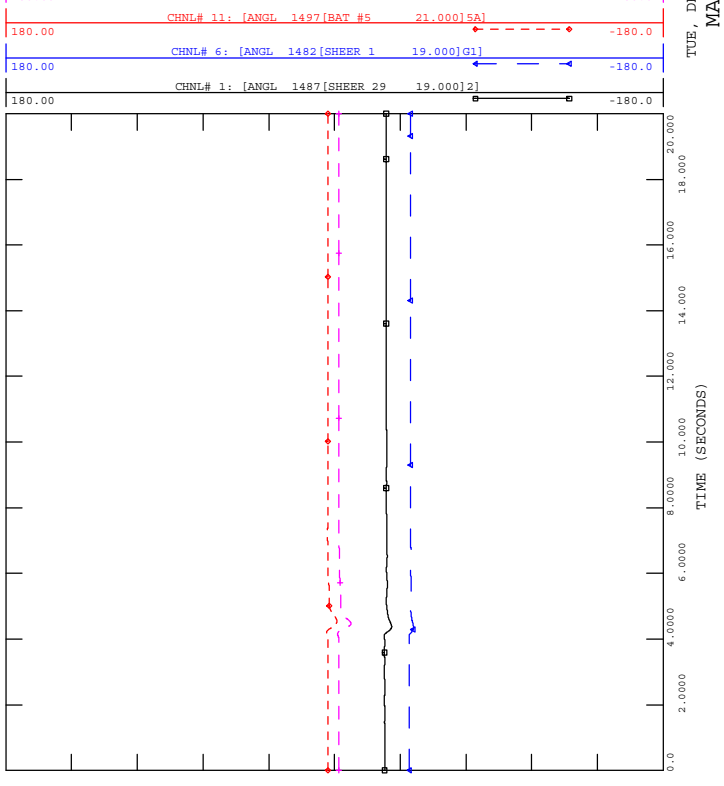


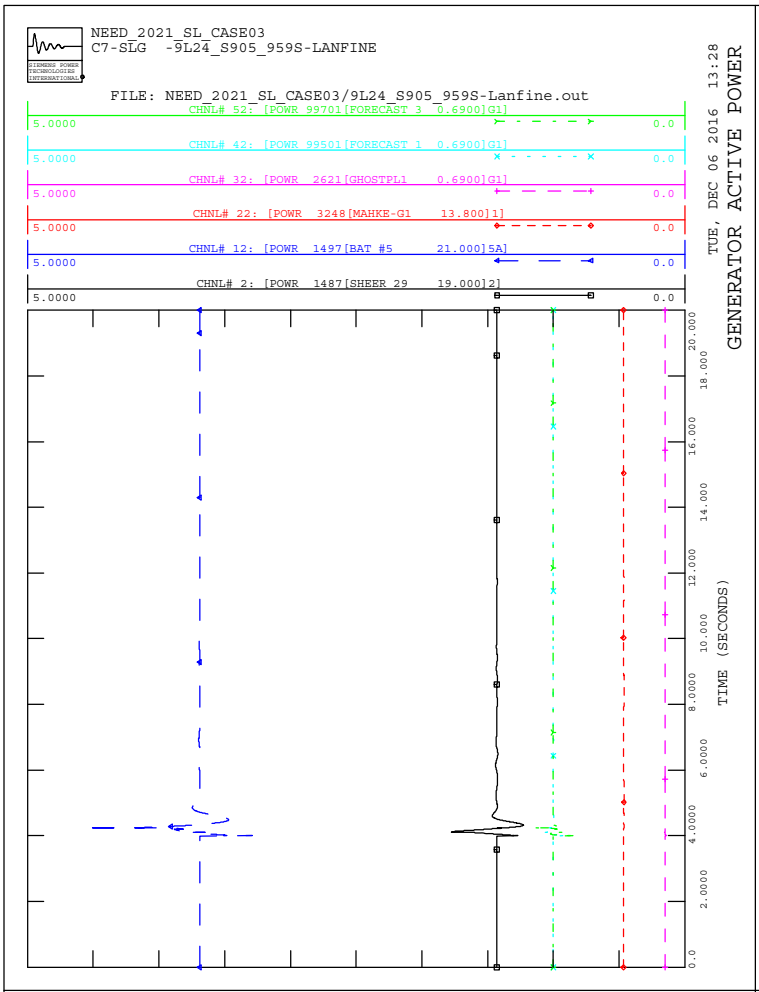
NEED_2021_SL_CASE03
C7-SLG -9L24_S905_959S-LANFINE

FILE: NEED_2021_SL_CASE03/9L24_S905_959S-Lanfine.out

TUE, DEC 06 2016 13:28

MACHINE ANGEL

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C7-SLG -9L24_S905_959S-LANFINE
FILE: NEED_2021_SL_CASE03/9L24_S905_959S-Lanfine.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 13:28
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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12.000
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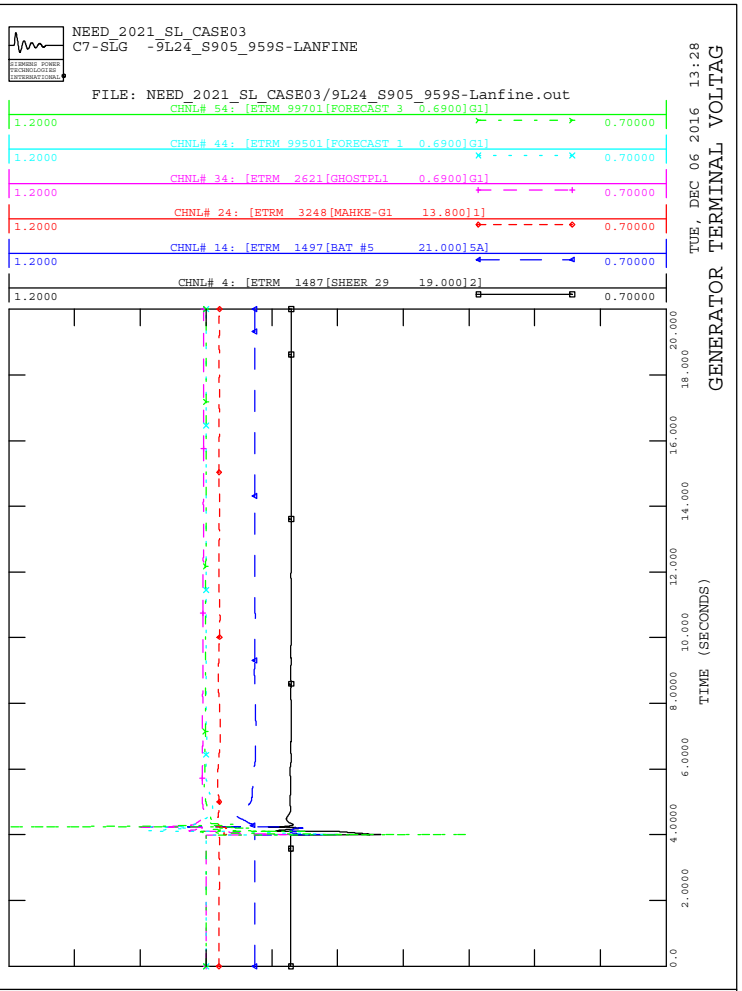
16.000
18.000
20.000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C7-SLG -9L24_S905_959S-LANFINE
FILE: NEED_2021_SL_CASE03/9L24_S905_959S-Lanfine.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 13:28
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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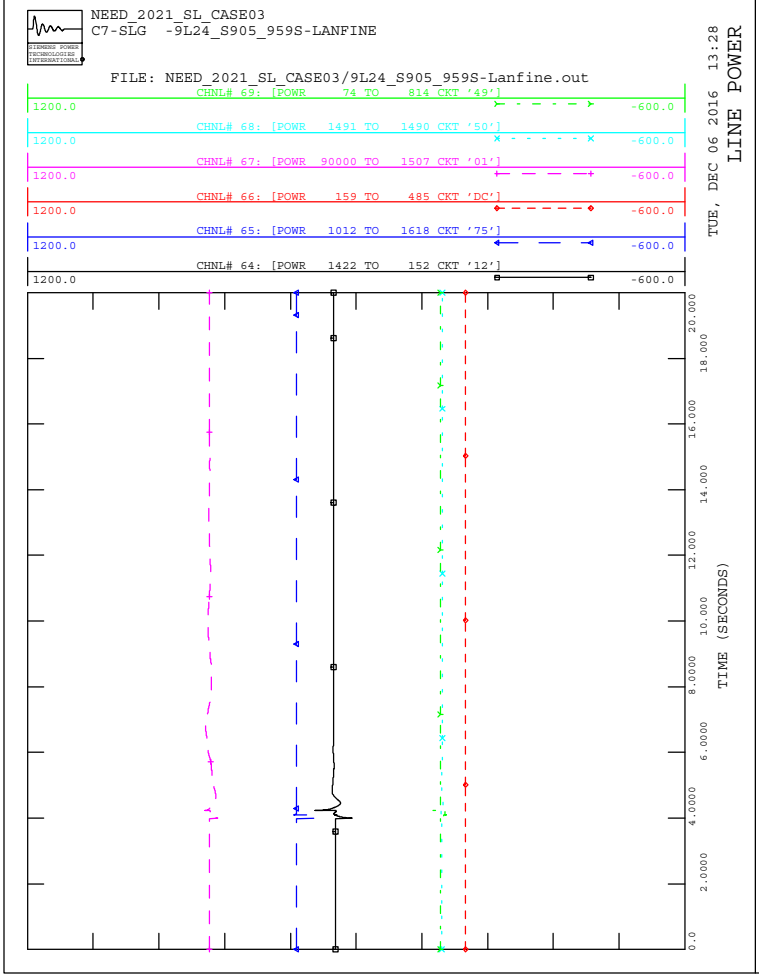
20.000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C7-SLG -9L24_S905_959S-LANFINE
FILE: NEED_2021_SL_CASE03/9L24_S905_959S-Lanfine.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 13:28
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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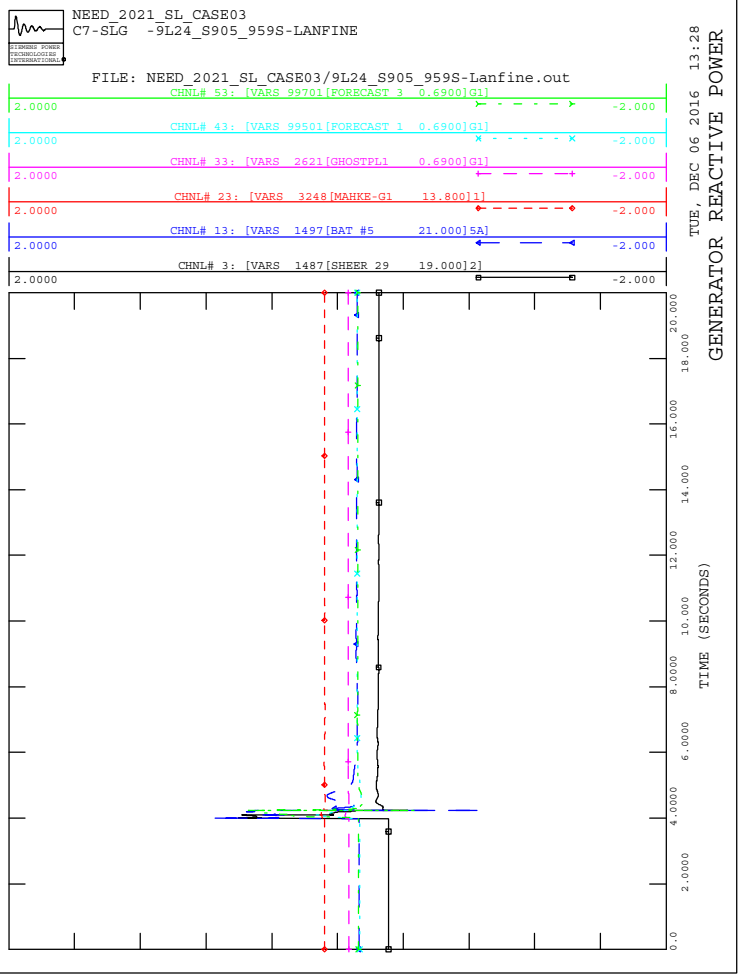
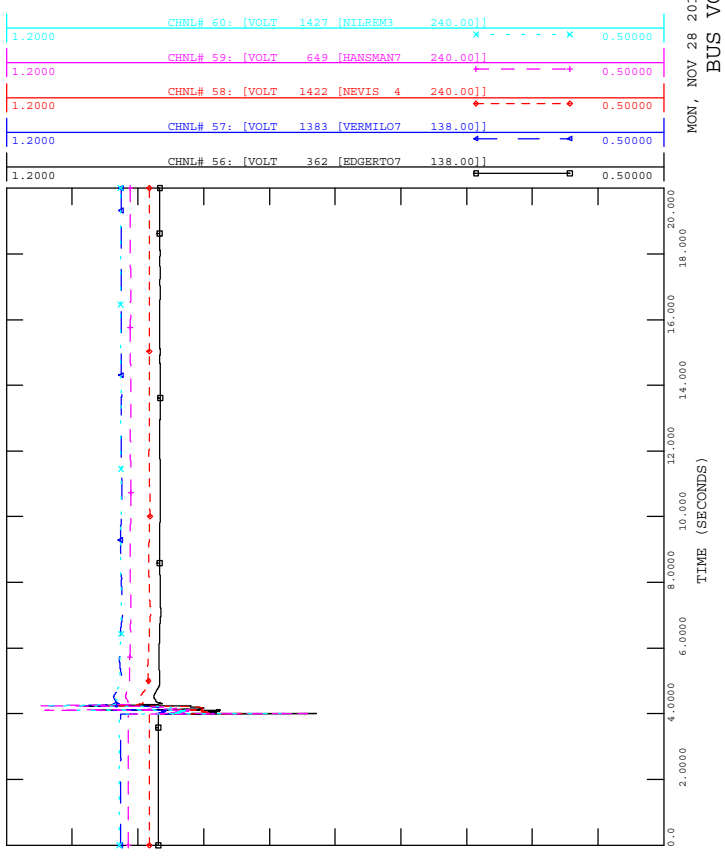
20.000


NEED_2021_SL_CASE03
C7-SLG -9L24_S905_959S-LANFINE
FILE: NEED_2021_SL_CASE03/9L24_S905_959S-Lanfine.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 13:28
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_SL_CASE03
C7-SLG -9L24_946S_946S-OAKLAND

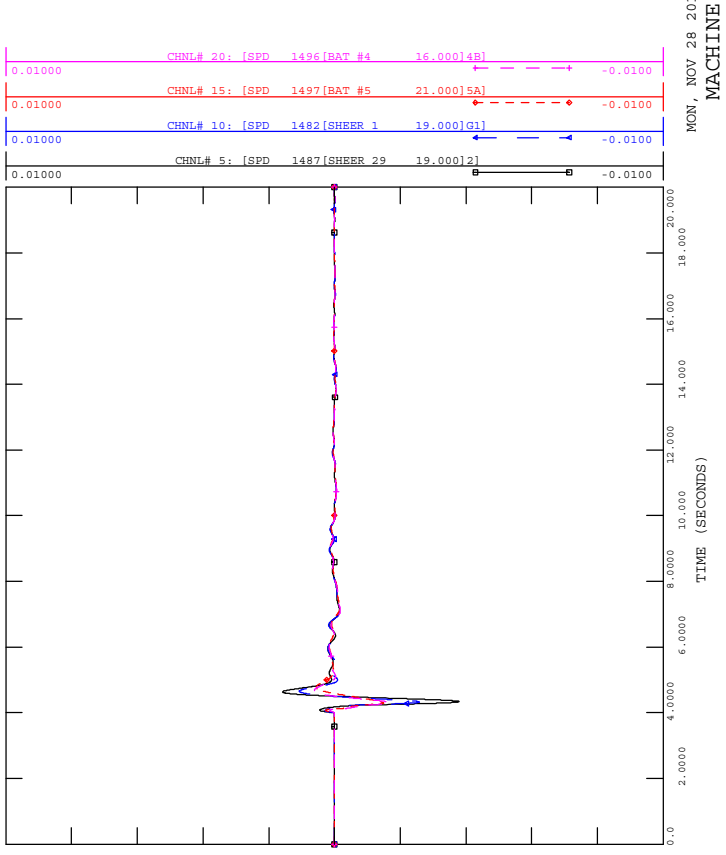
FILE: NEED_2021_SL_CASE03/9L24_946S_946S-Oakland.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L24_946S_946S-OAKLAND

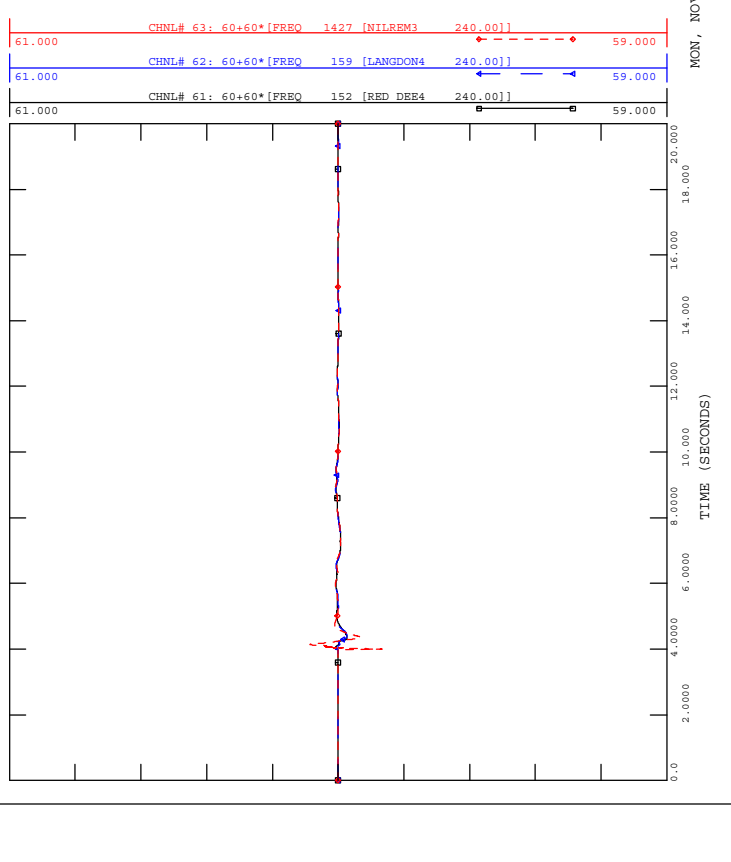
FILE: NEED_2021_SL_CASE03/9L24_946S_946S-Oakland.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L24_946S_946S-OAKLAND

FILE: NEED_2021_SL_CASE03/9L24_946S_946S-Oakland.out



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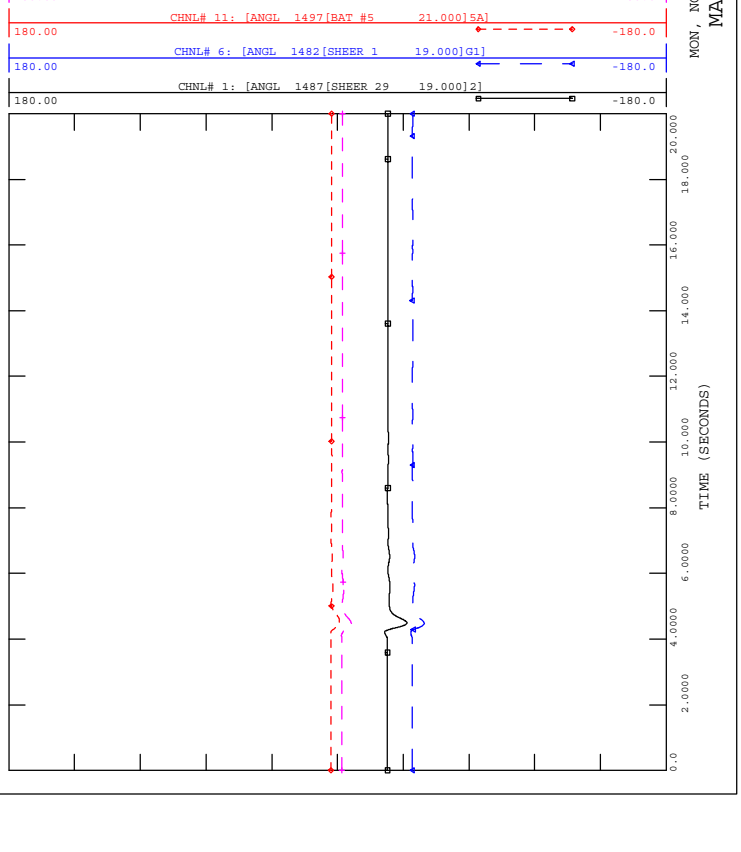
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -9L24_946S_946S-OAKLAND

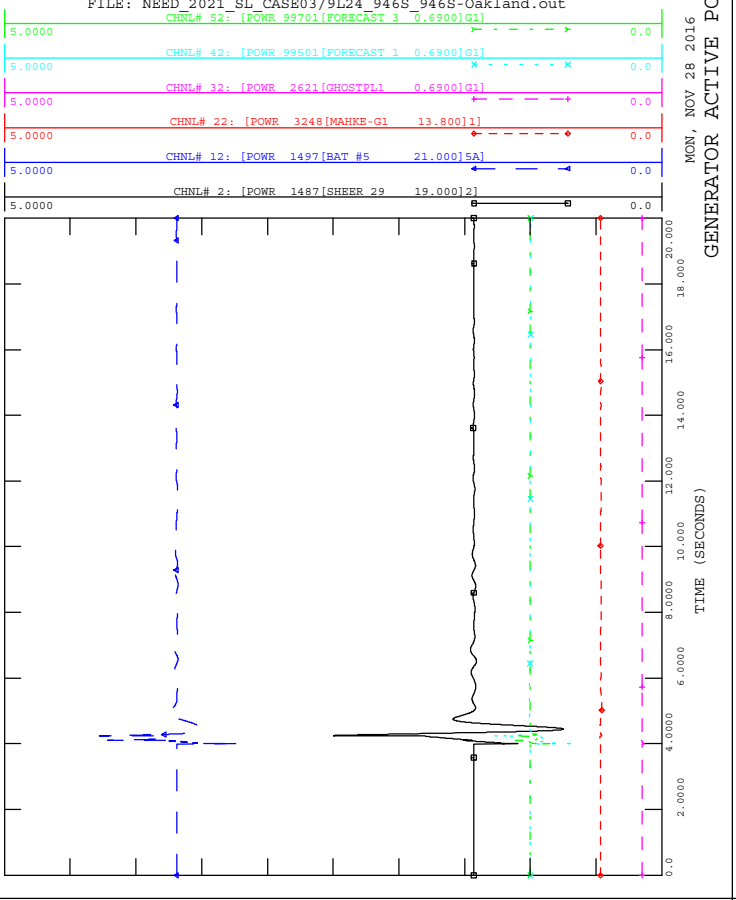
FILE: NEED_2021_SL_CASE03/9L24_946S_946S-Oakland.out



MON, NOV 28 2016 23:50
MACHINE ANGEL

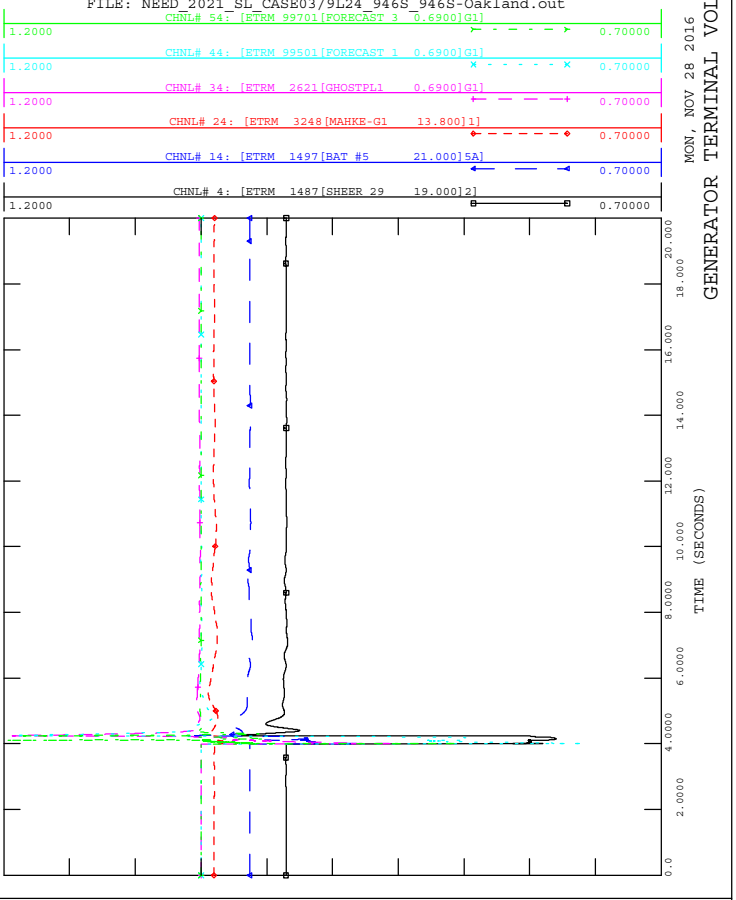
NEED_2021_SL_CASE03
C7-SLG -9L24_946S_946S-OAKLAND

FILE: NEED_2021_SL_CASE03/9L24_946S_946S-Oakland.out



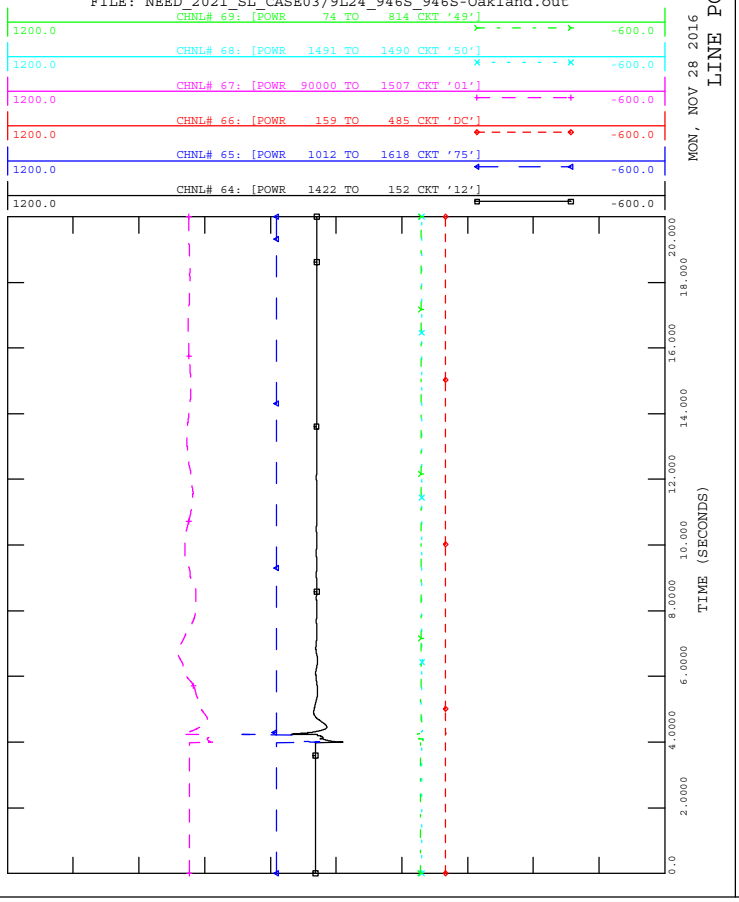
NEED_2021_SL_CASE03
C7-SLG -9L24_946S_946S-OAKLAND

FILE: NEED_2021_SL_CASE03/9L24_946S_946S-Oakland.out



NEED_2021_SL_CASE03
C7-SLG -9L24_946S_946S-OAKLAND

FILE: NEED_2021_SL_CASE03/9L24_946S_946S-Oakland.out



NEED_2021_SL_CASE03
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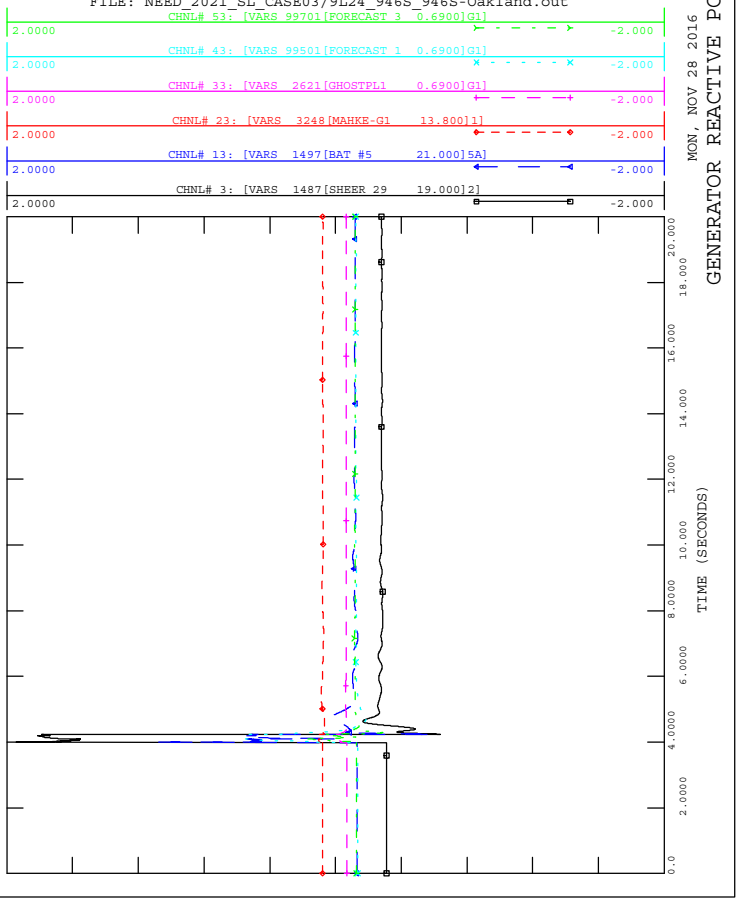
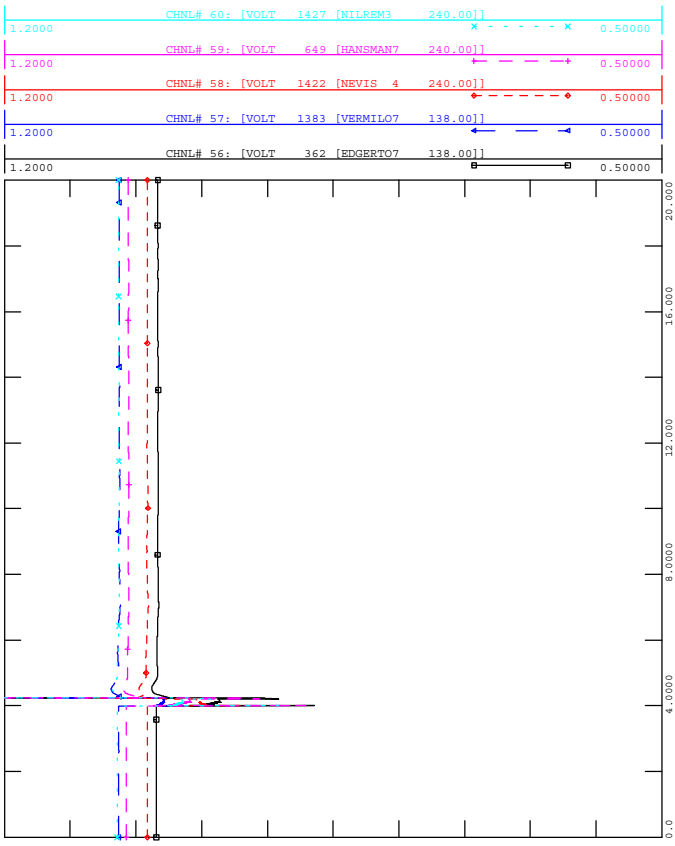


NEED_2021_SL_CASE03
C7-SLG -9L97_946S_946S-OAKLAND

FILE: NEED_2021_SL_CASE03/9L97_946S_946S-Oakland.out

MON, NOV 28 2016 23:50

BUS VOLTAGE

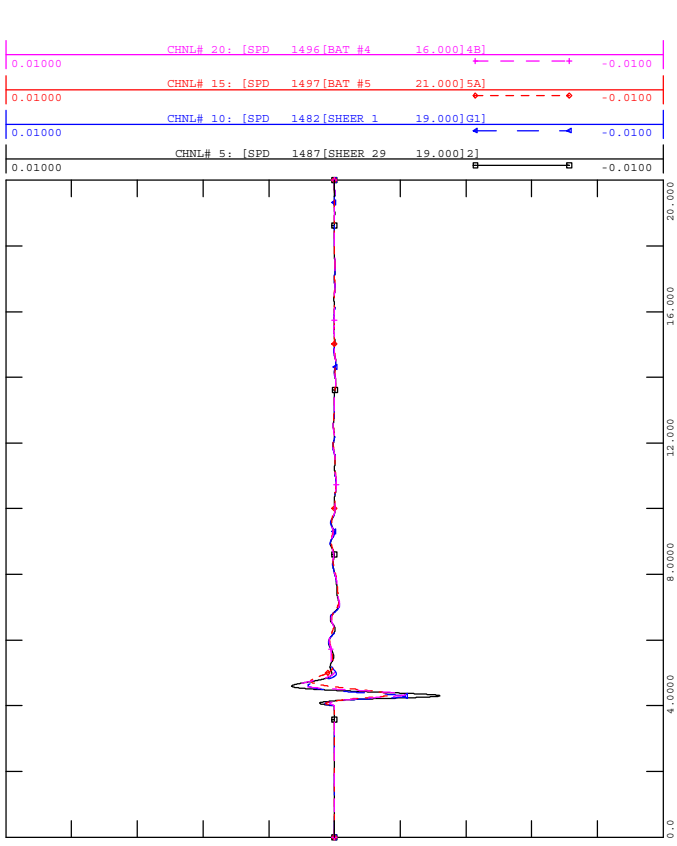


NEED_2021_SL_CASE03
C7-SLG -9L97_946S_946S-OAKLAND

FILE: NEED_2021_SL_CASE03/9L97_946S_946S-Oakland.out

MON, NOV 28 2016 23:50

MACHINE SPEED

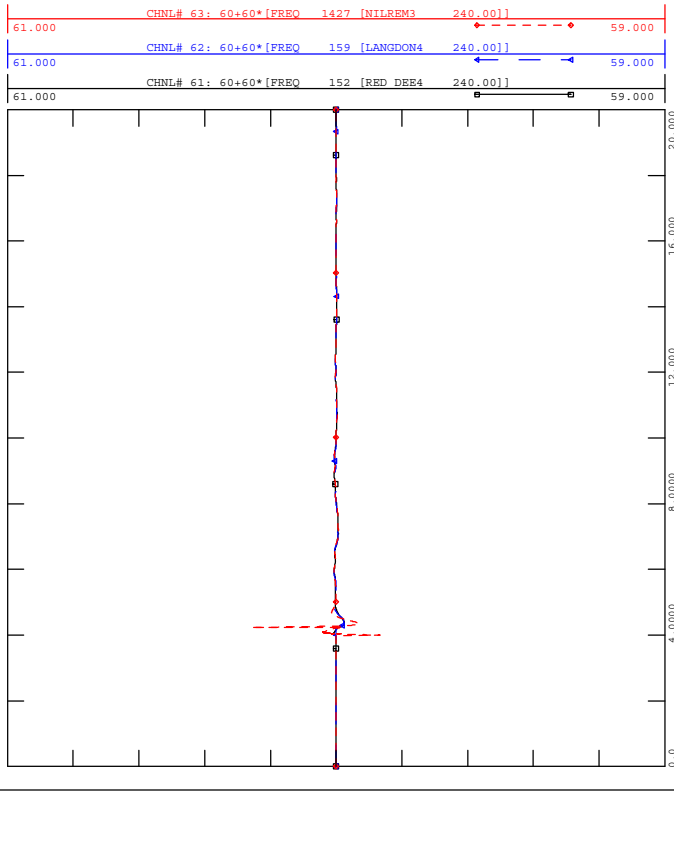


NEED_2021_SL_CASE03
C7-SLG -9L97_946S_946S-OAKLAND

FILE: NEED_2021_SL_CASE03/9L97_946S_946S-Oakland.out

MON, NOV 28 2016 23:50

FREQUENCY

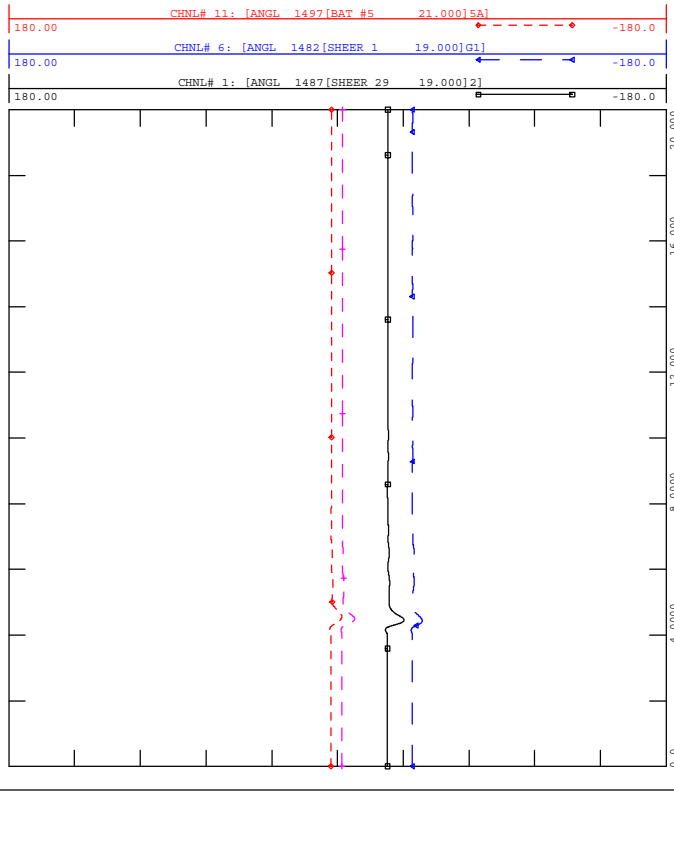


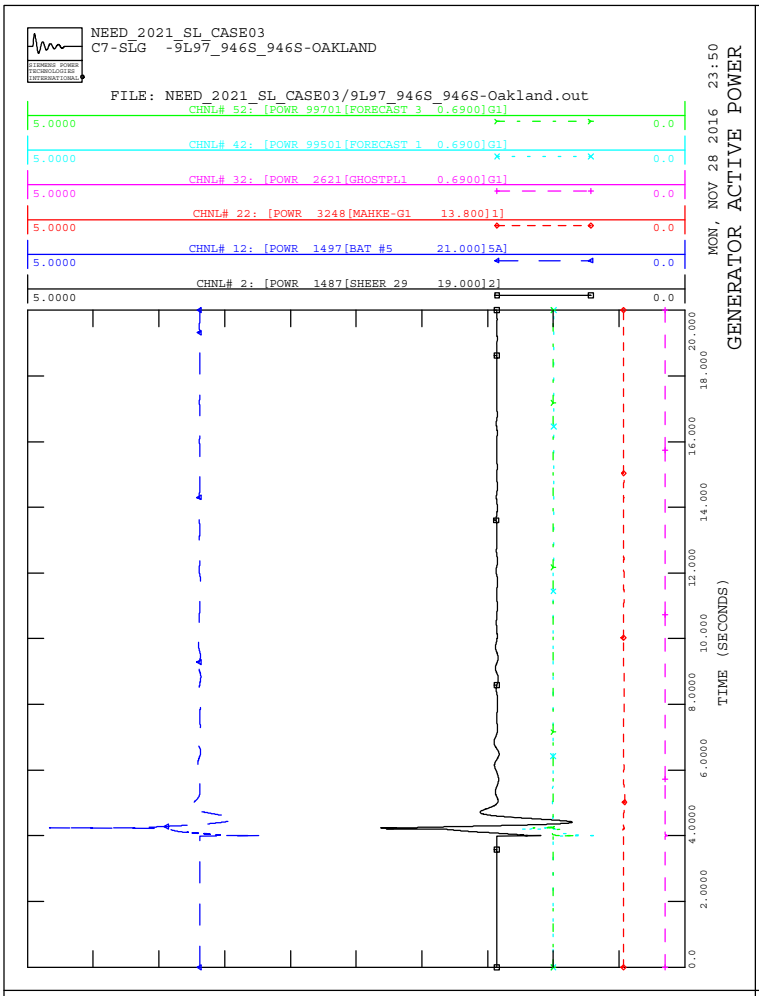
NEED_2021_SL_CASE03
C7-SLG -9L97_946S_946S-OAKLAND

FILE: NEED_2021_SL_CASE03/9L97_946S_946S-Oakland.out

MON, NOV 28 2016 23:50

MACHINE ANGEL

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C7-SLG -9L97_946S_946S-OAKLAND
FILE: NEED_2021_SL_CASE03/9L97_946S_946S-Oakland.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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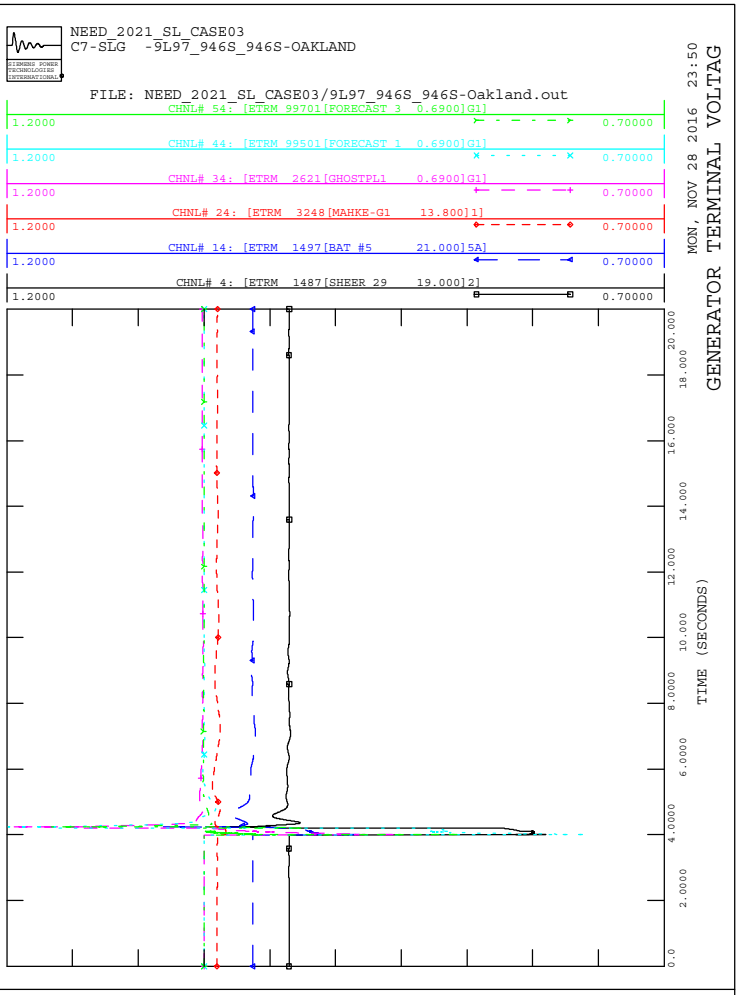
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -9L97_946S_946S-OAKLAND
FILE: NEED_2021_SL_CASE03/9L97_946S_946S-Oakland.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
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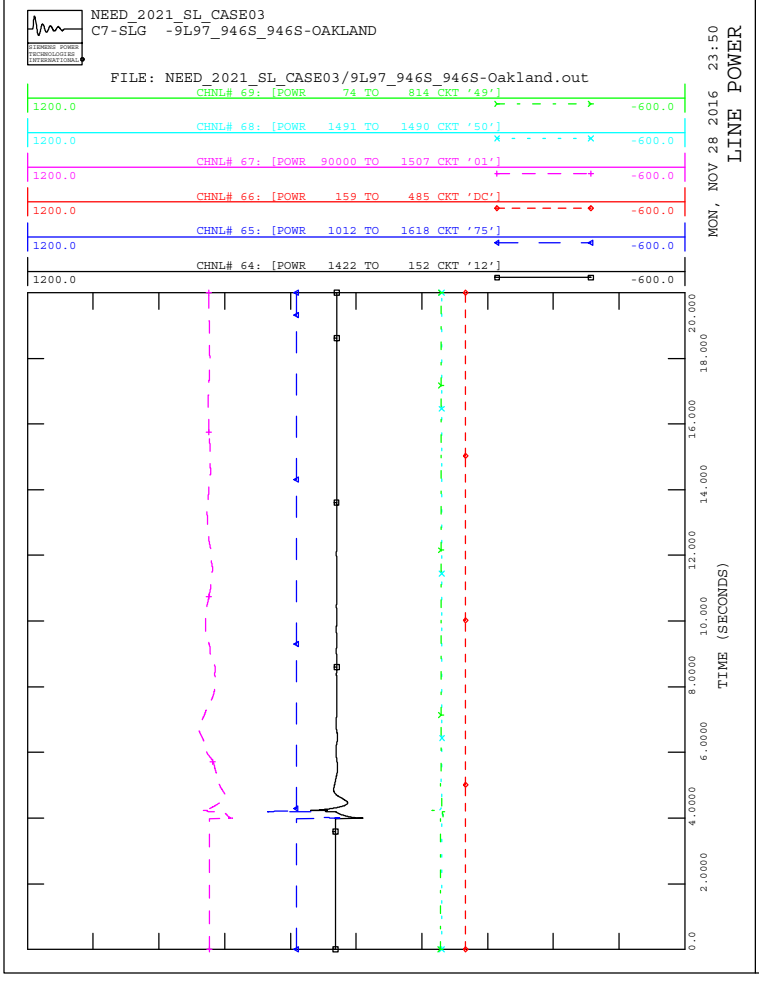
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG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C7-SLG -9L97_946S_946S-OAKLAND
FILE: NEED_2021_SL_CASE03/9L97_946S_946S-Oakland.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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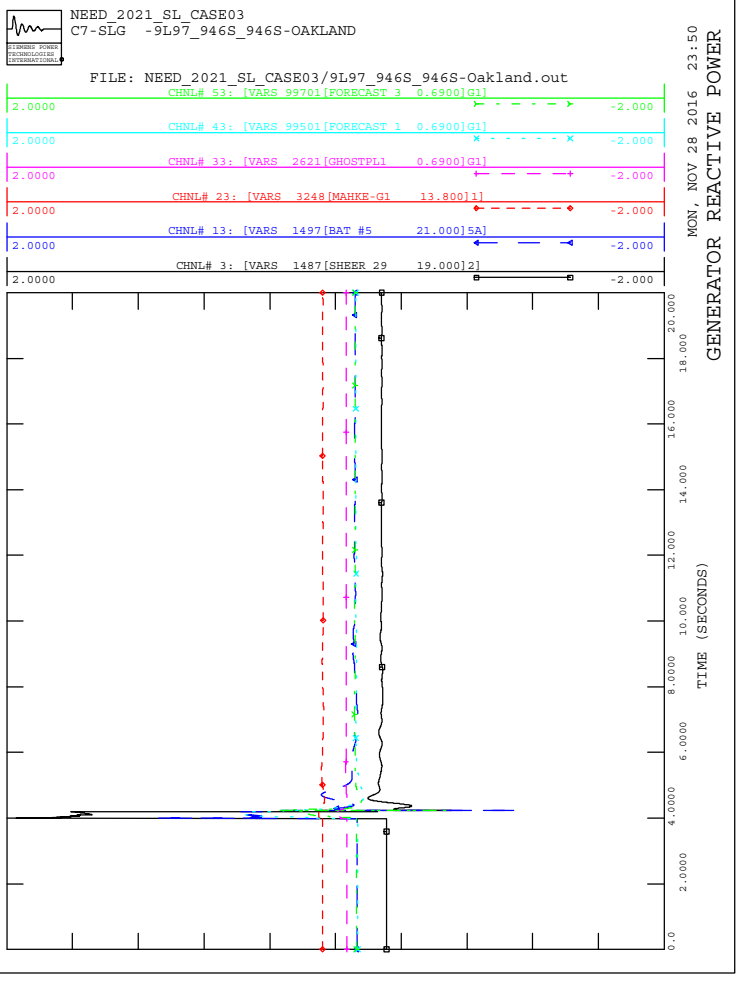
TIME (SECONDS)
MON, NOV 28 2016 23:50
LINE POWER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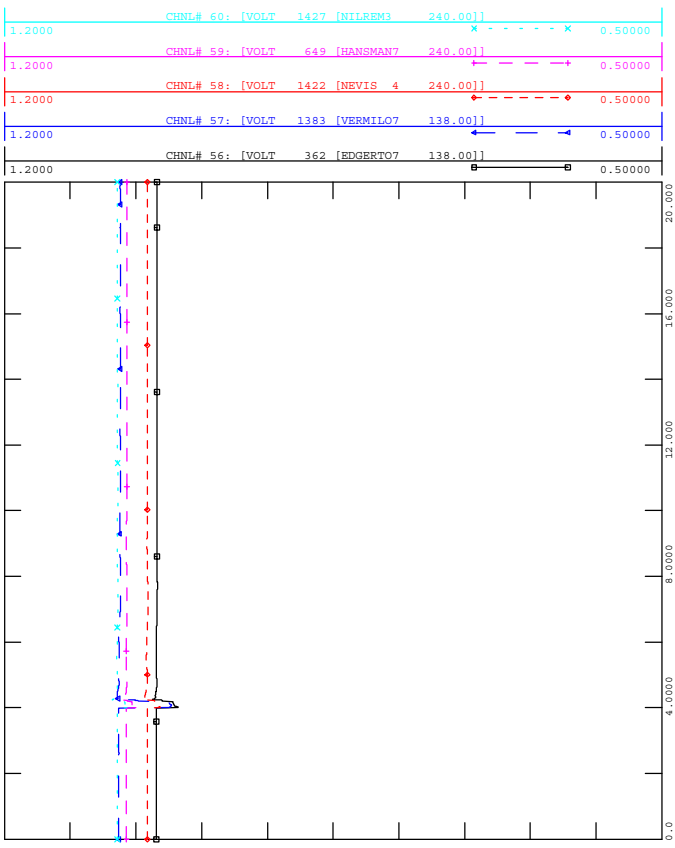
C7-SLG -9L97_946S_946S-OAKLAND
FILE: NEED_2021_SL_CASE03/9L97_946S_946S-Oakland.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: NEED_2021_SL_CASE03/9L36_S902_825S-Whitefish Lake.out

MON, NOV 28 2016 23:50

BUS VOLTAGE

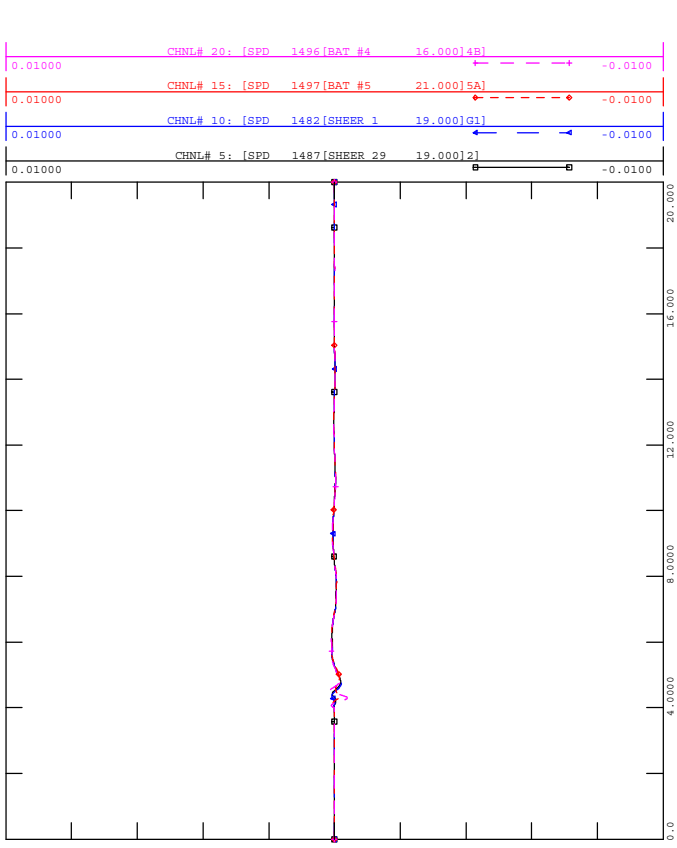


NEED_2021_SL_CASE03
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: NEED_2021_SL_CASE03/9L36_S902_825S-Whitefish Lake.out

MON, NOV 28 2016 23:50

MACHINE SPEED

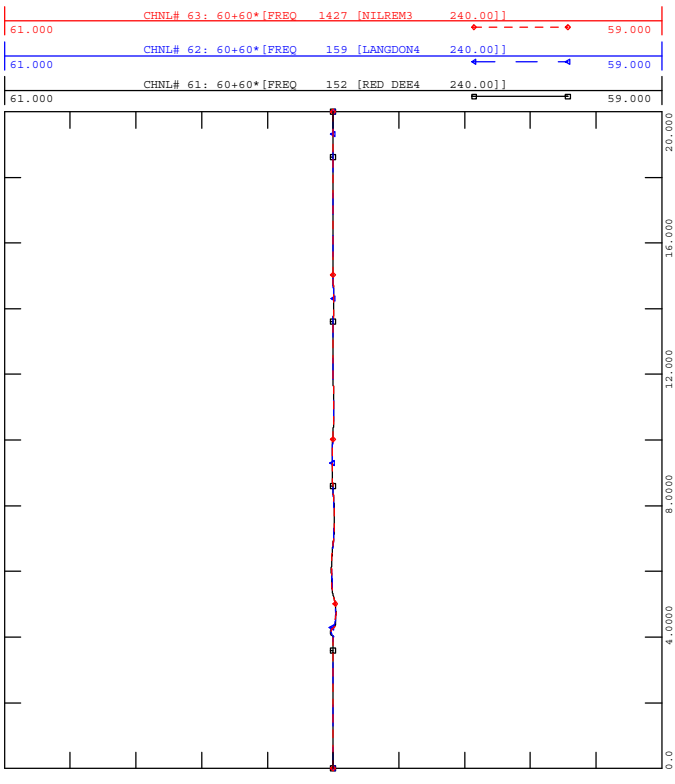


NEED_2021_SL_CASE03
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: NEED_2021_SL_CASE03/9L36_S902_825S-Whitefish Lake.out

MON, NOV 28 2016 23:50

FREQUENCY

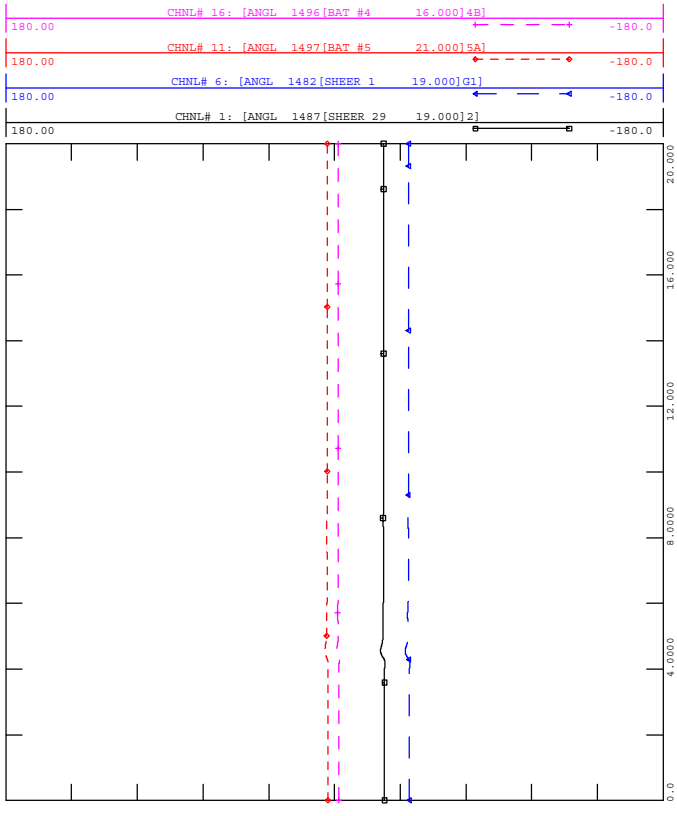


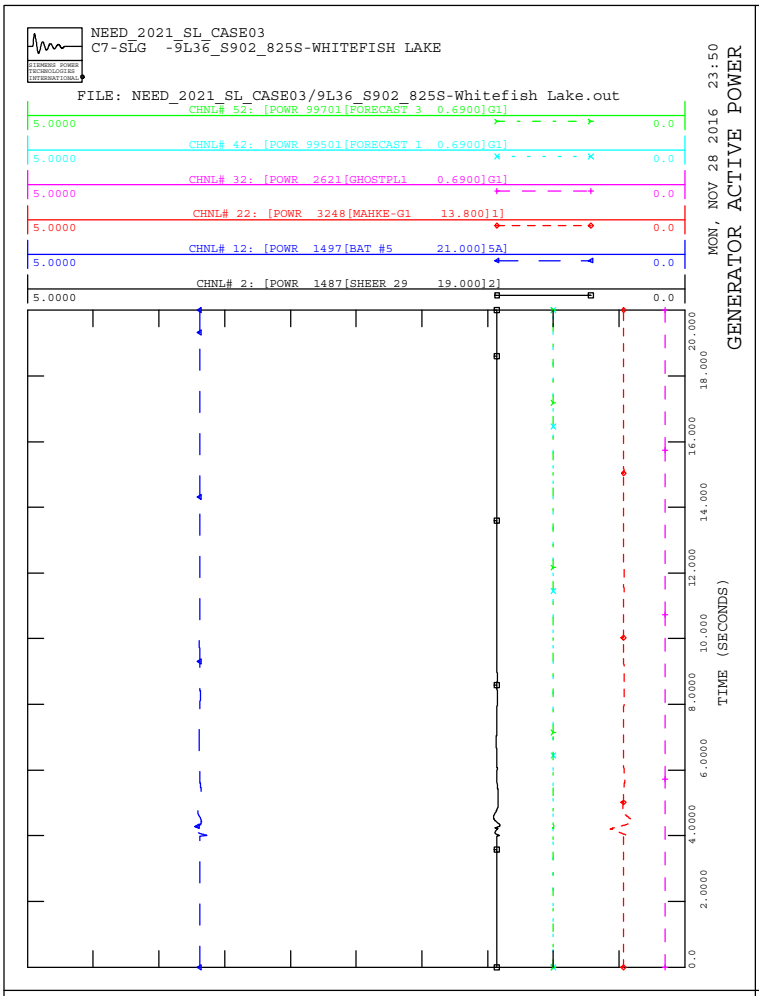
NEED_2021_SL_CASE03
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: NEED_2021_SL_CASE03/9L36_S902_825S-Whitefish Lake.out

MON, NOV 28 2016 23:50

MACHINE ANGEL

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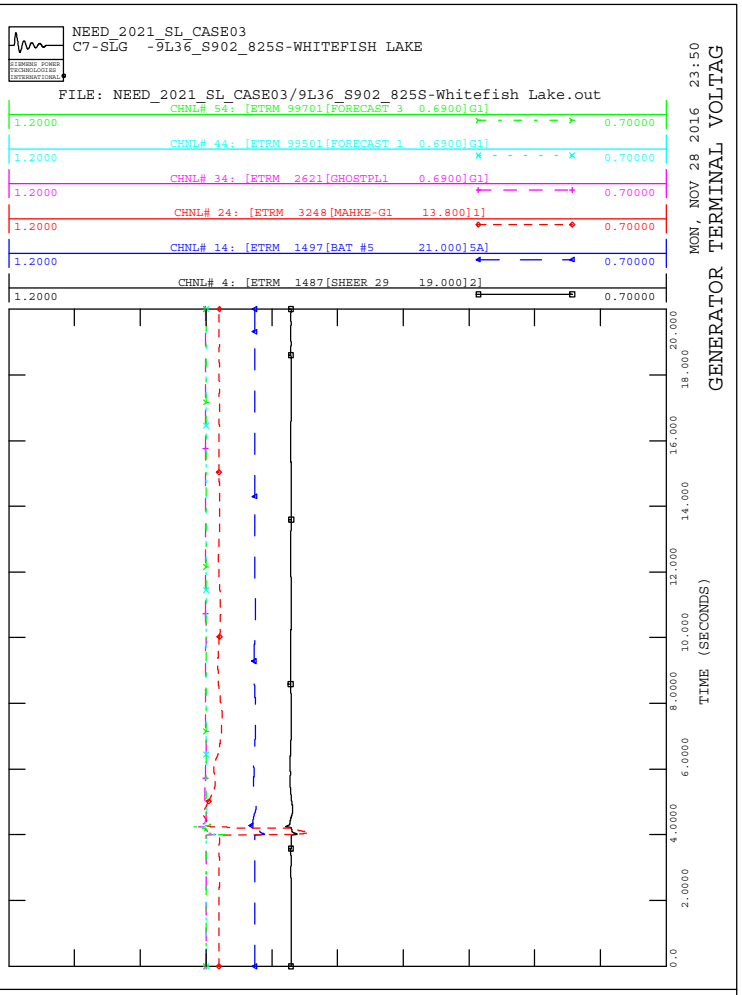
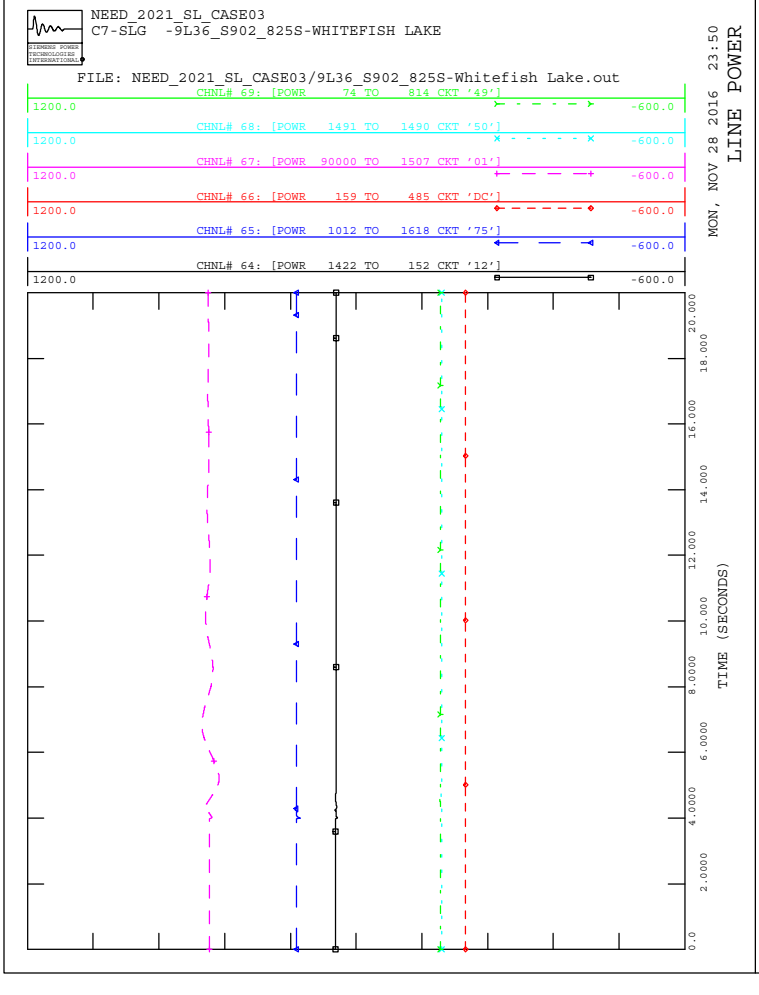
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: NEED_2021_SL_CASE03/9L36_S902_825S-Whitefish Lake.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: NEED_2021_SL_CASE03/9L36_S902_825S-Whitefish Lake.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG


NEED_2021_SL_CASE03
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: NEED_2021_SL_CASE03/9L36_S902_825S-Whitefish Lake.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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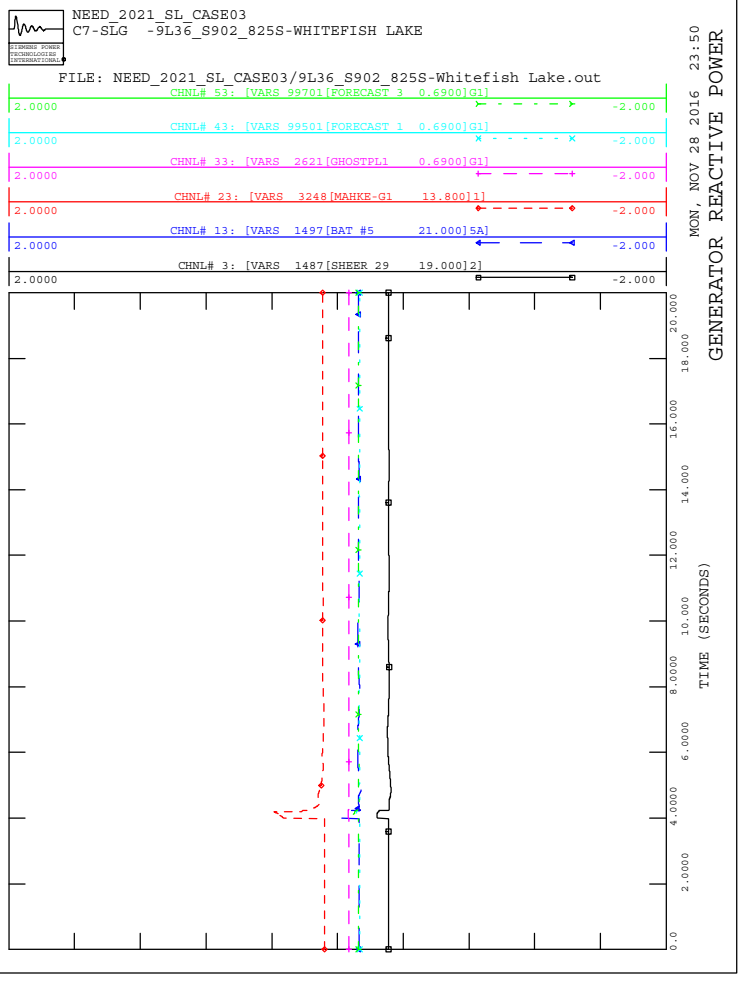
TIME (SECONDS)
MON, NOV 28 2016 23:50
LINE POWER


NEED_2021_SL_CASE03
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
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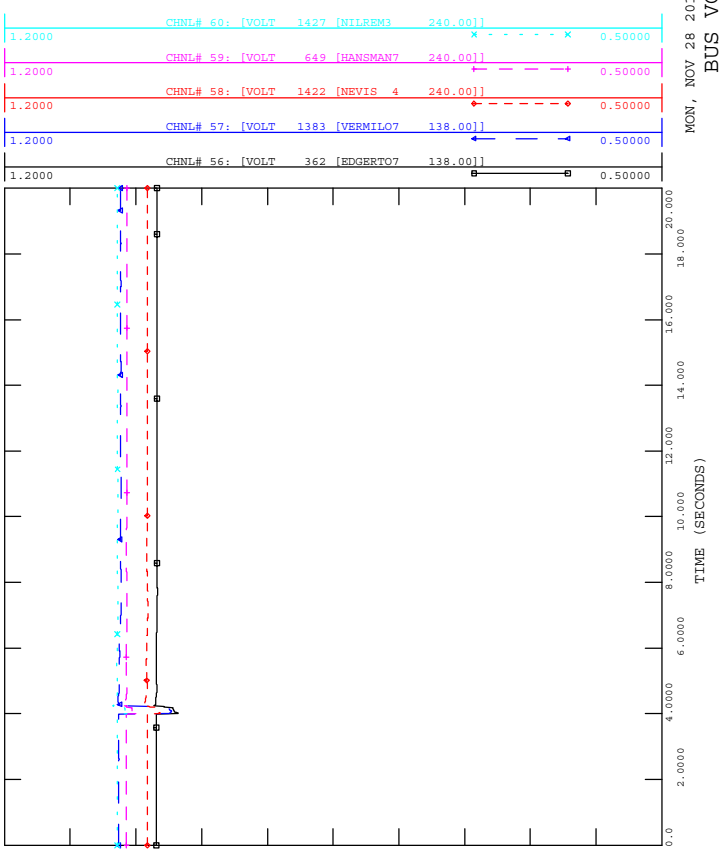
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

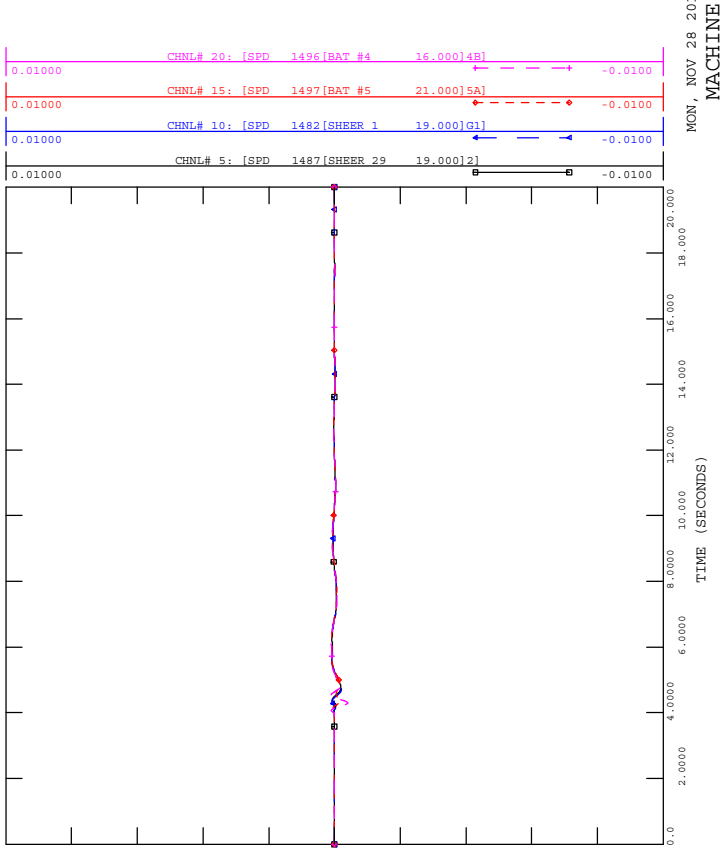
FILE: NEED_2021_SL_CASE03/9L36_S906_825S-Whitefish Lake.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

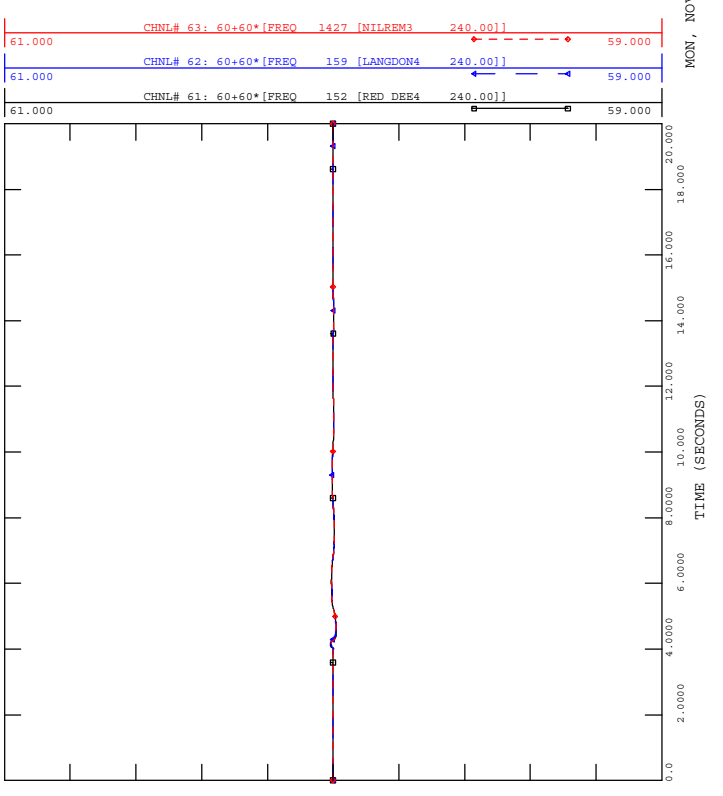
FILE: NEED_2021_SL_CASE03/9L36_S906_825S-Whitefish Lake.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

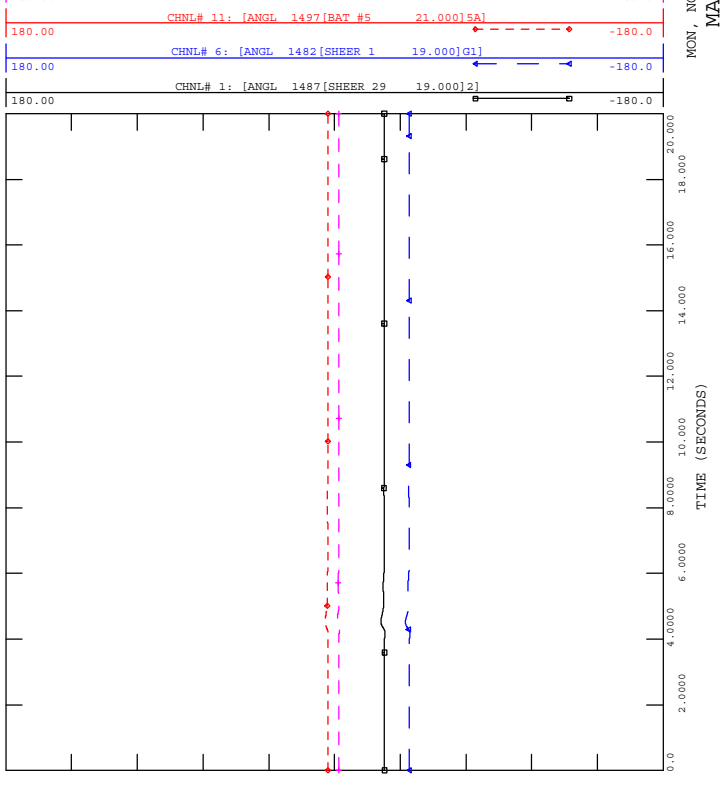
FILE: NEED_2021_SL_CASE03/9L36_S906_825S-Whitefish Lake.out



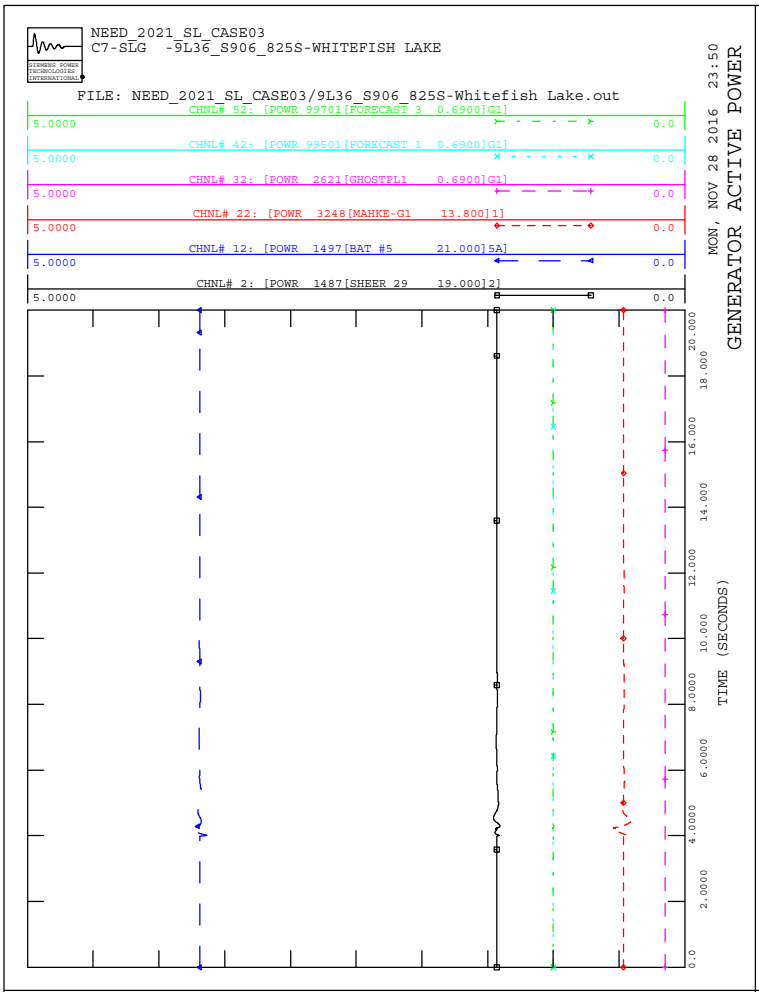
MON, NOV 28 2016 23:50
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: NEED_2021_SL_CASE03/9L36_S906_825S-Whitefish Lake.out



MON, NOV 28 2016 23:50
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: NEED_2021_SL_CASE03/9L36_S906_825S-Whitefish Lake.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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TIME (SECONDS)
0.0
2.0000
4.0000
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12.000
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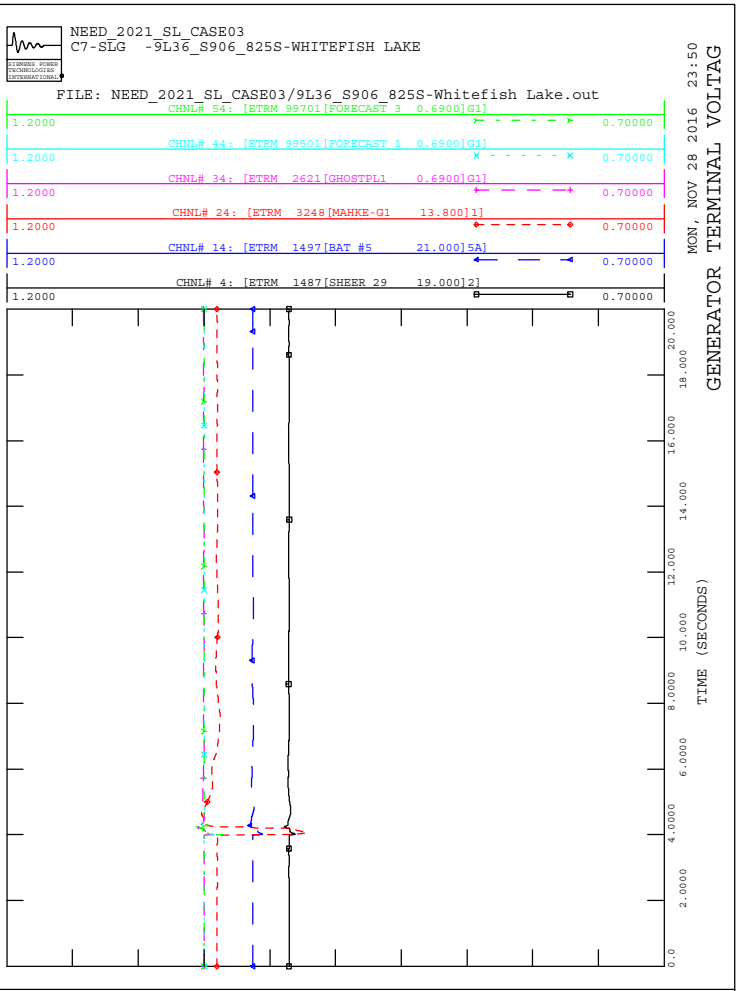
20.000
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER


NEED_2021_SL_CASE03
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: NEED_2021_SL_CASE03/9L36_S906_825S-Whitefish Lake.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TIME (SECONDS)
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MON, NOV 28 2016 23:50
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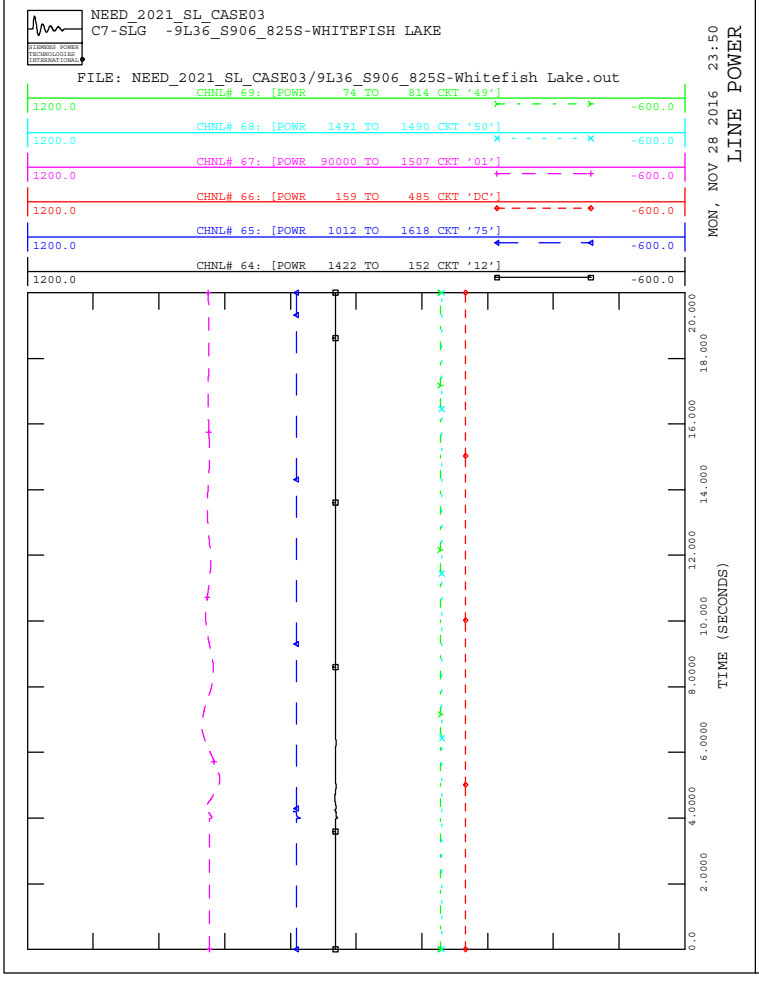
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C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: NEED_2021_SL_CASE03/9L36_S906_825S-Whitefish Lake.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
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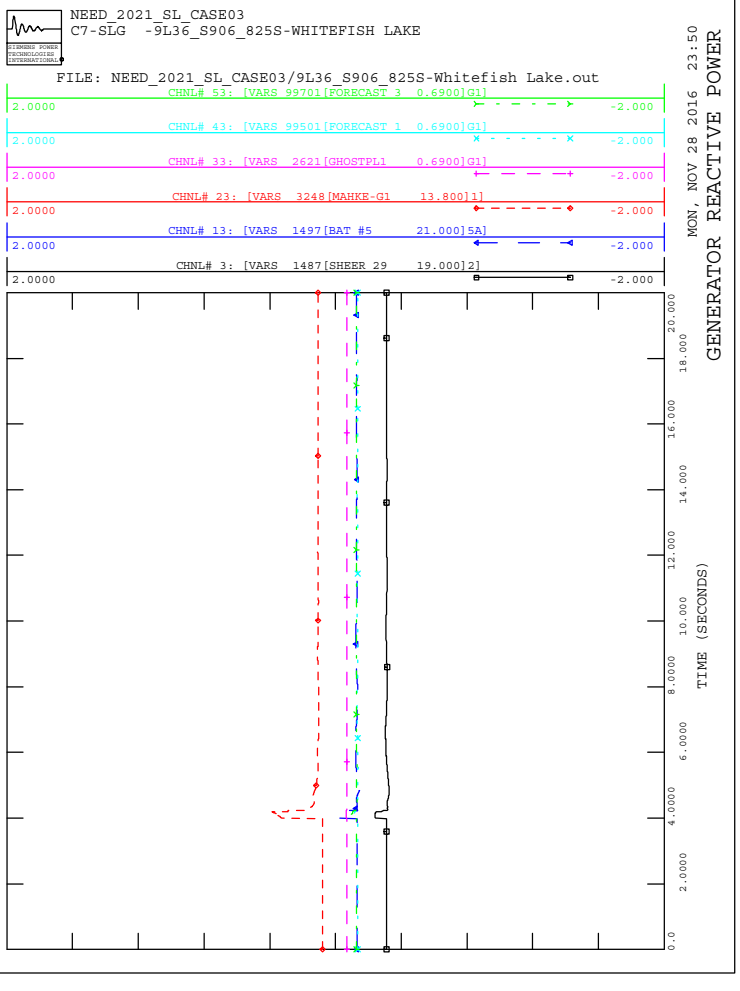
20.000
MON, NOV 28 2016 23:50
LINE POWER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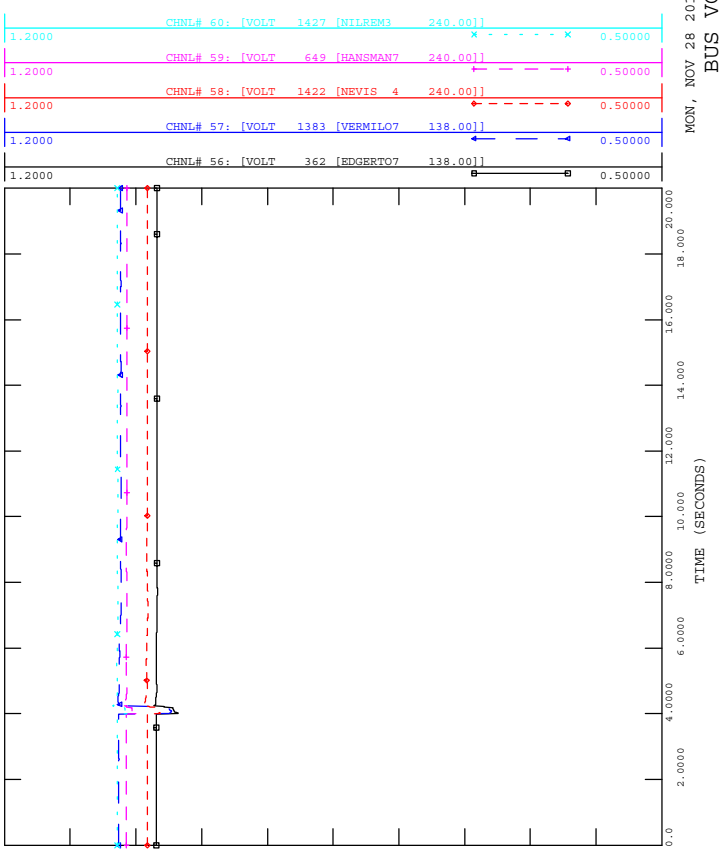
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

NEED_2021_SL_CASE03
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

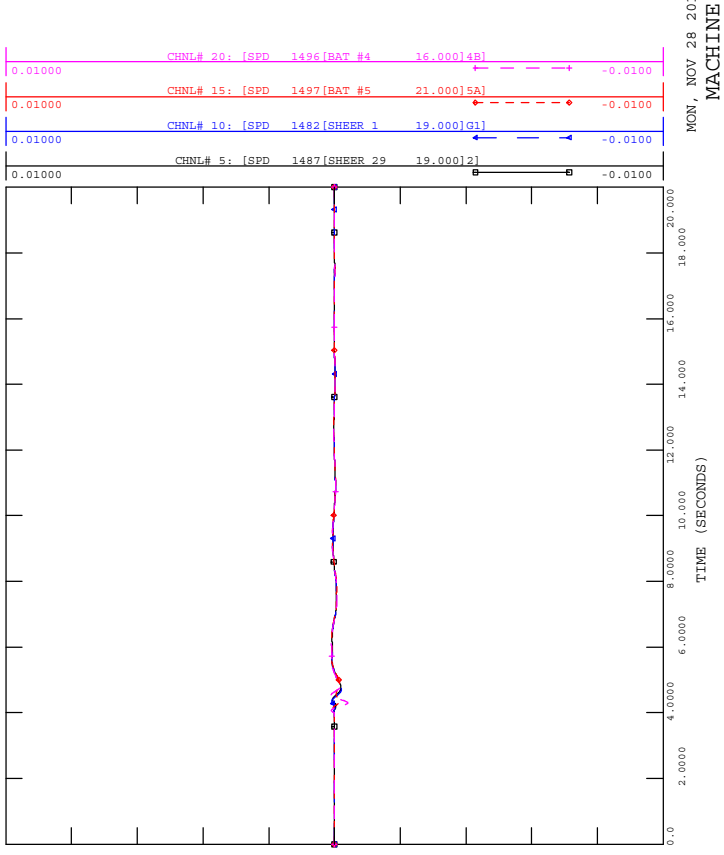
FILE: NEED_2021_SL_CASE03/9L37_S905_825S-Whitefish Lake.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

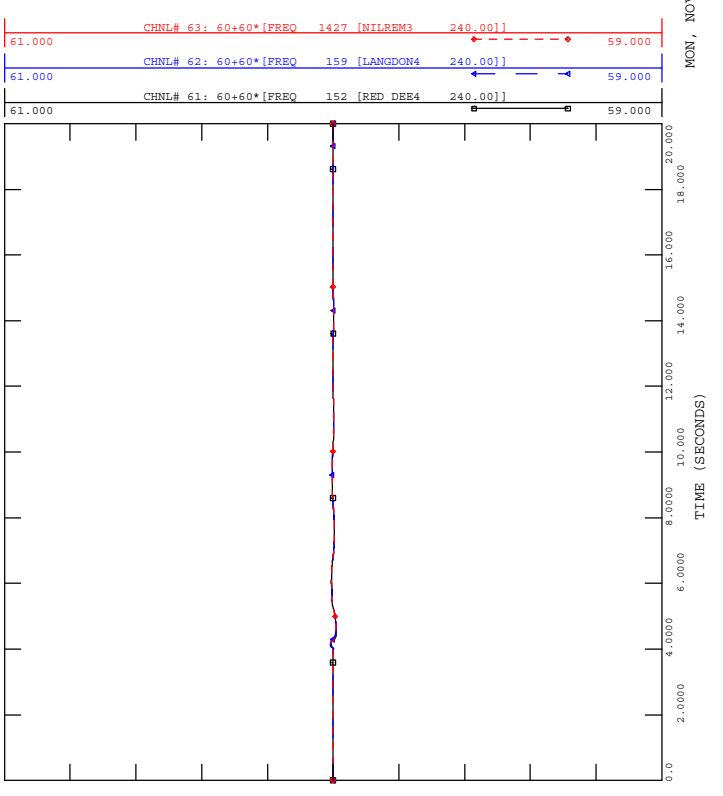
FILE: NEED_2021_SL_CASE03/9L37_S905_825S-Whitefish Lake.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

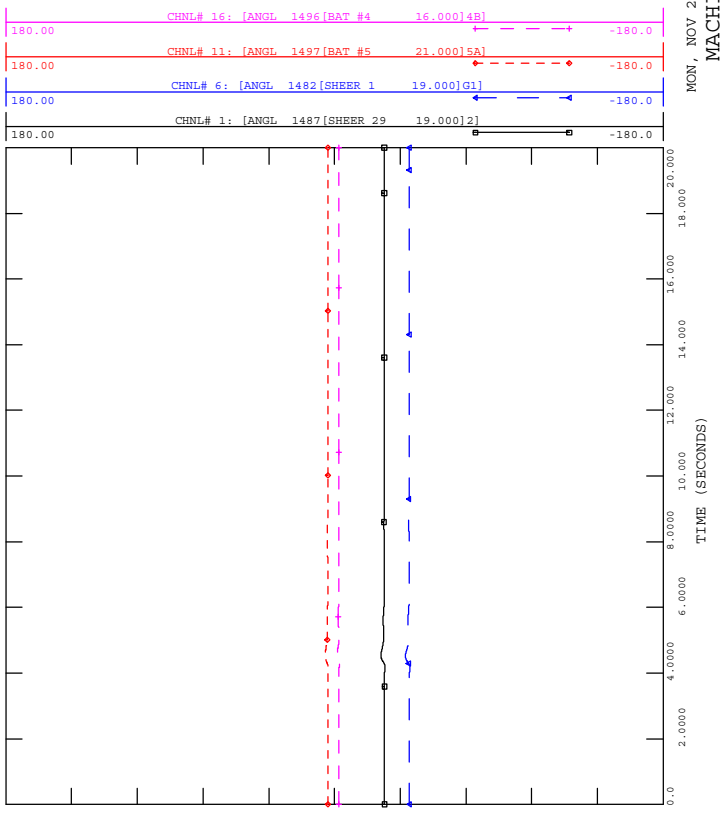
FILE: NEED_2021_SL_CASE03/9L37_S905_825S-Whitefish Lake.out



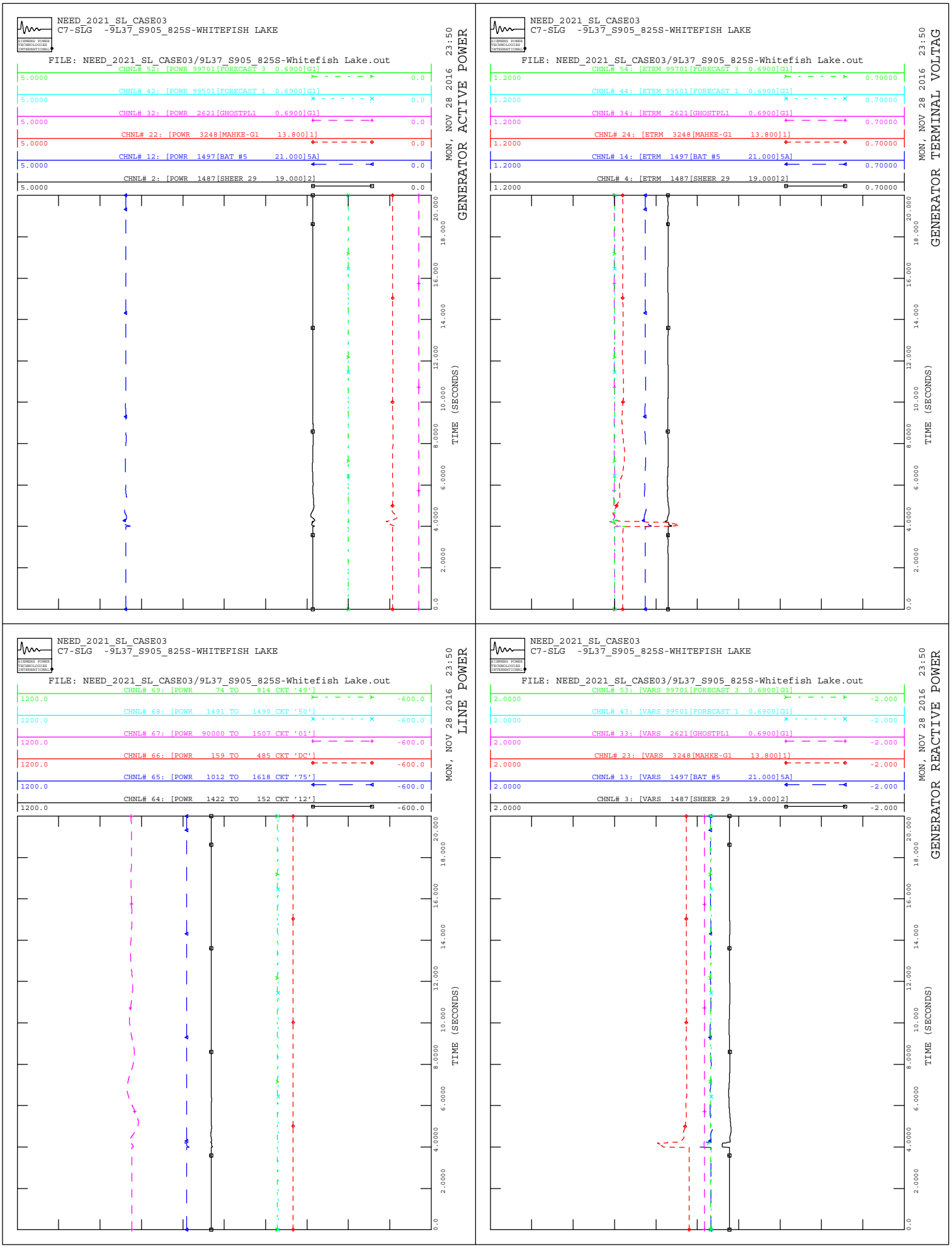
MON, NOV 28 2016 23:50
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: NEED_2021_SL_CASE03/9L37_S905_825S-Whitefish Lake.out



MON, NOV 28 2016 23:50
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: NEED_2021_SL_CASE03/9L37_S905_825S-Whitefish Lake.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 28 2016 23:50
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: NEED_2021_SL_CASE03/9L37_S905_825S-Whitefish Lake.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 28 2016 23:50
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: NEED_2021_SL_CASE03/9L37_S905_825S-Whitefish Lake.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 28 2016 23:50
TIME (SECONDS)
NEED_2021_SL_CASE03
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: NEED_2021_SL_CASE03/9L37_S905_825S-Whitefish Lake.out
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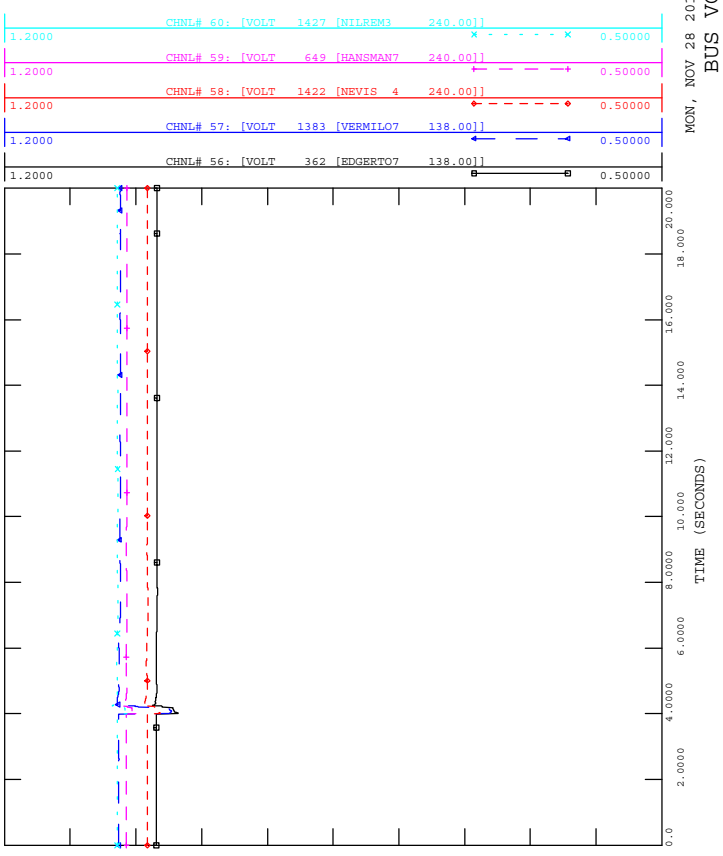
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 28 2016 23:50
TIME (SECONDS)

NEED_2021_SL_CASE03
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

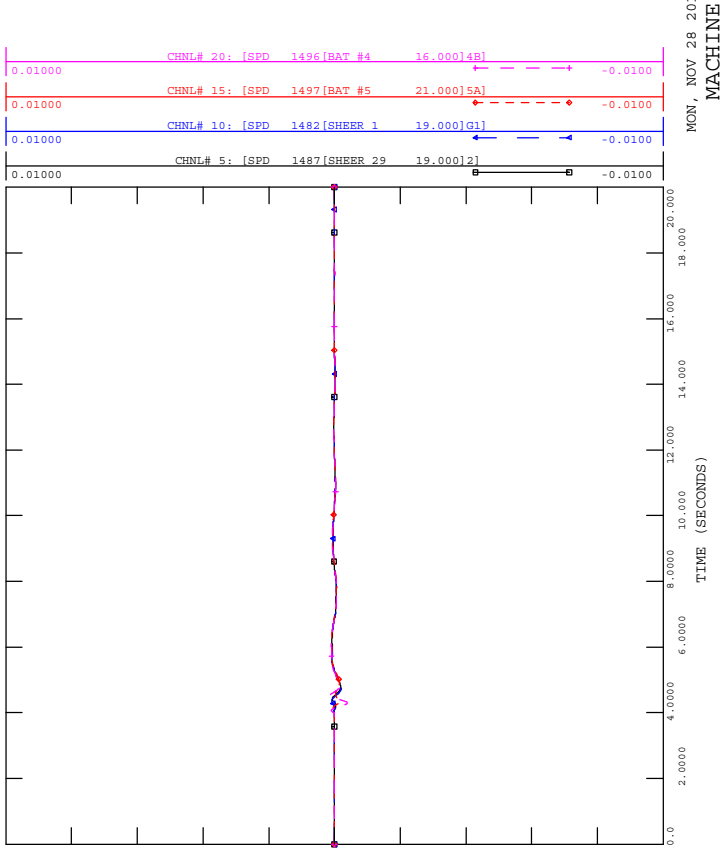
FILE: NEED_2021_SL_CASE03/9L37_S903_825S-Whitefish Lake.out



MON, NOV 28 2016 23:50
BUS VOLTAGE

NEED_2021_SL_CASE03
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

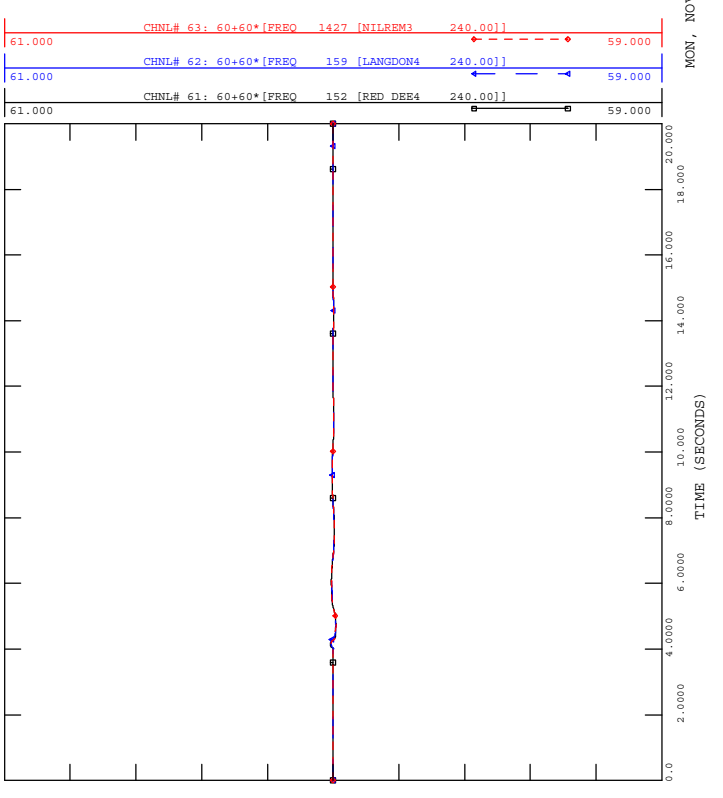
FILE: NEED_2021_SL_CASE03/9L37_S903_825S-Whitefish Lake.out



MON, NOV 28 2016 23:50
MACHINE SPEED

NEED_2021_SL_CASE03
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

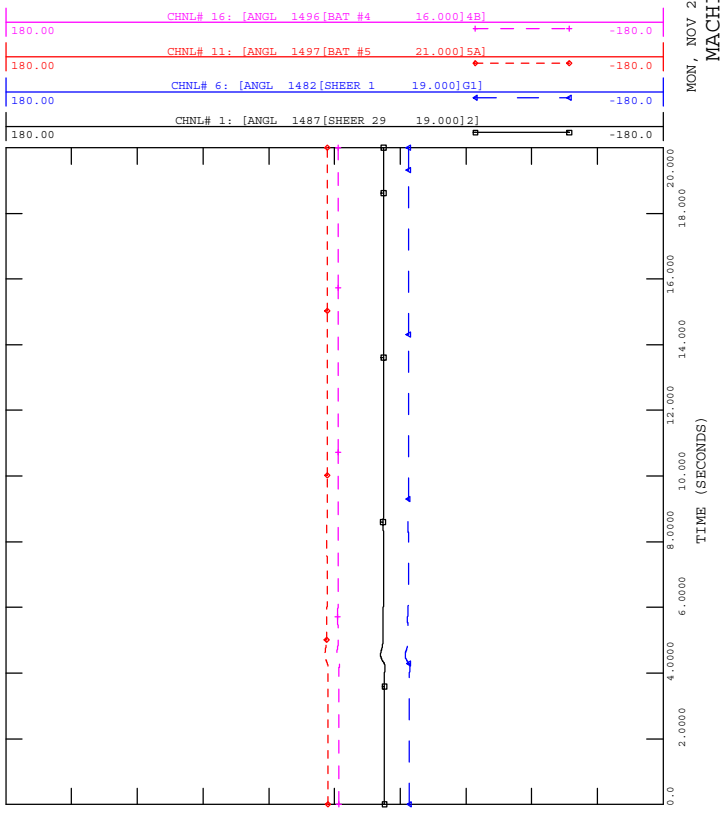
FILE: NEED_2021_SL_CASE03/9L37_S903_825S-Whitefish Lake.out



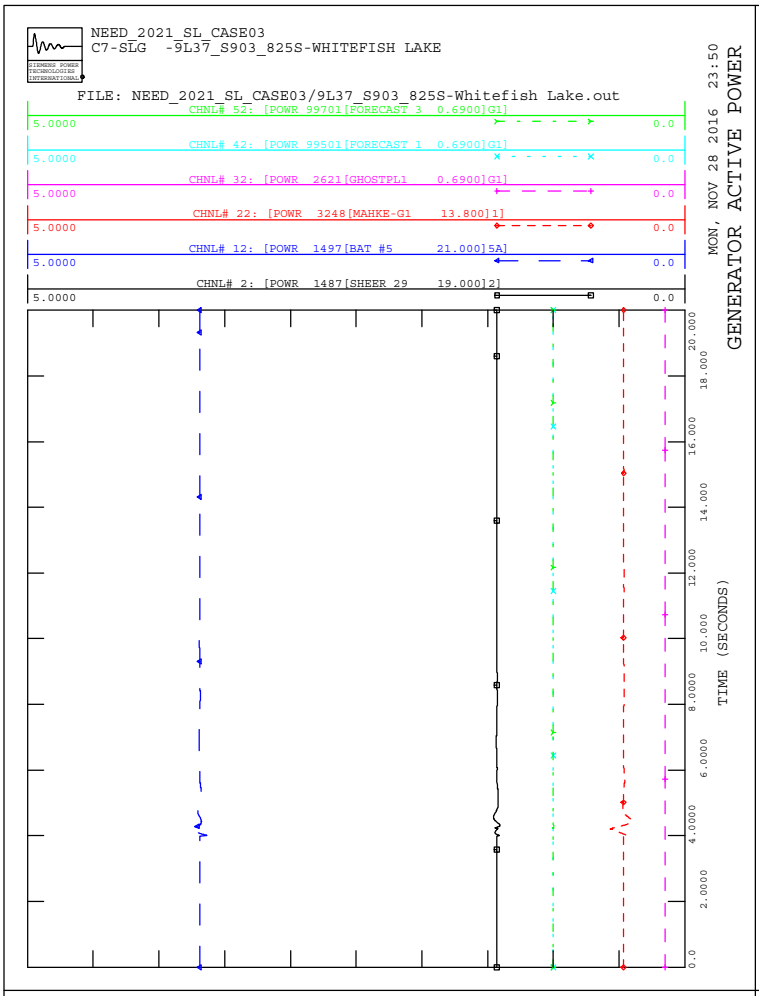
MON, NOV 28 2016 23:50
FREQUENCY

NEED_2021_SL_CASE03
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: NEED_2021_SL_CASE03/9L37_S903_825S-Whitefish Lake.out



MON, NOV 28 2016 23:50
MACHINE ANGEL


NEED_2021_SL_CASE03
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
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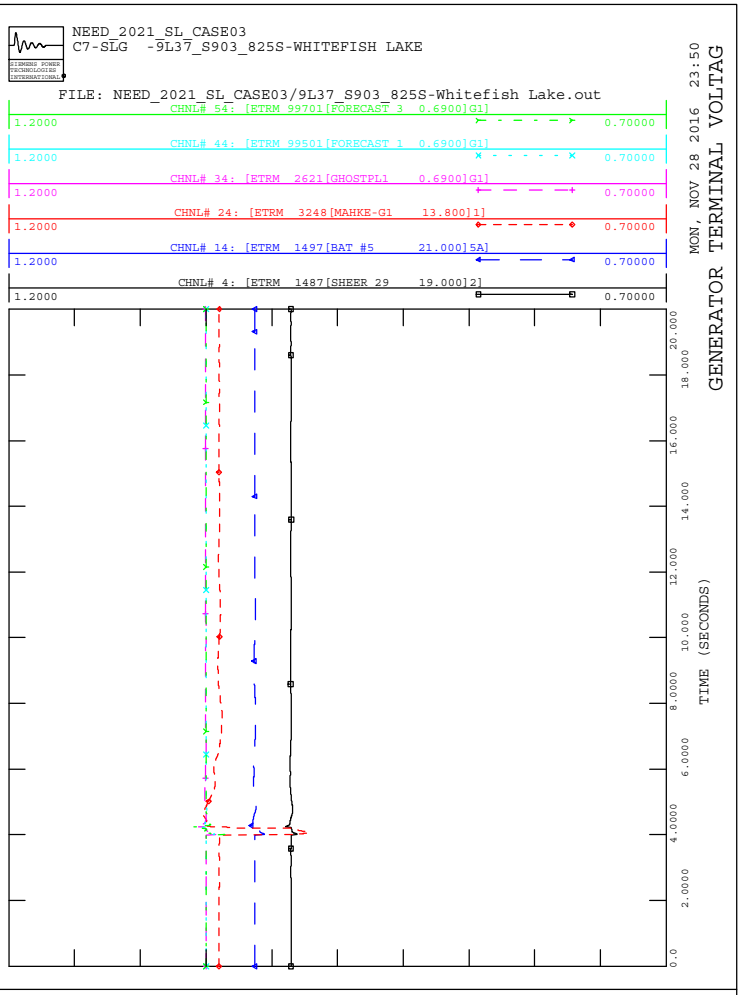
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR ACTIVE POWER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C7-SLG -9L37_S903_825S-WHITEFISH LAKE
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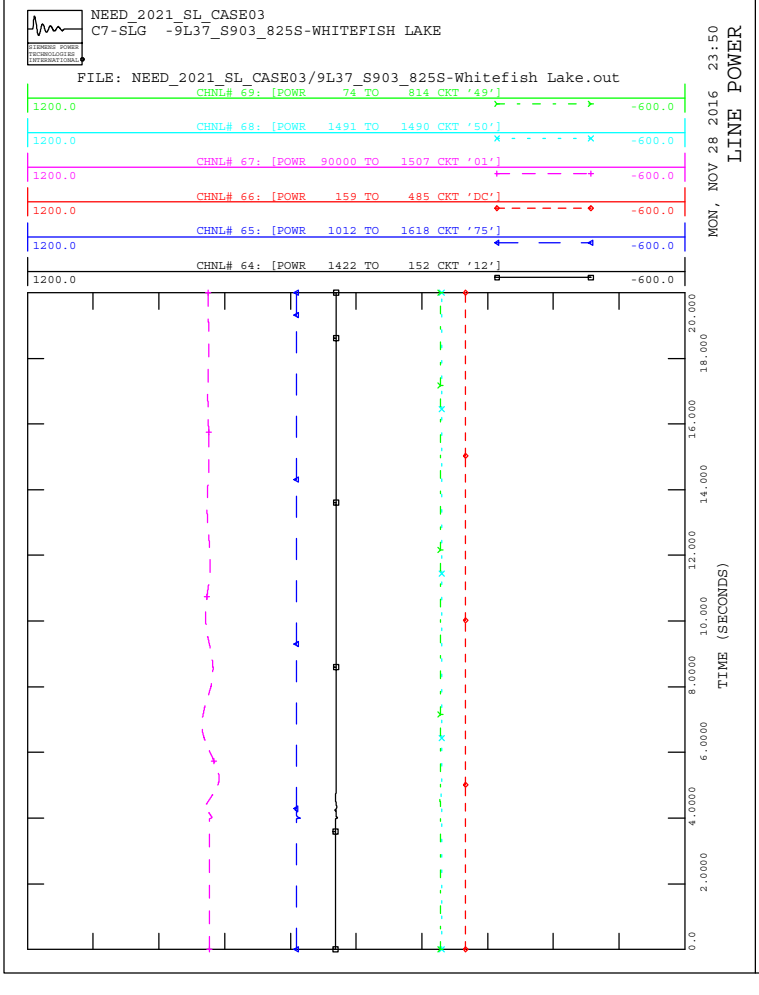
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR TERMINAL VOLTAG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C7-SLG -9L37_S903_825S-WHITEFISH LAKE
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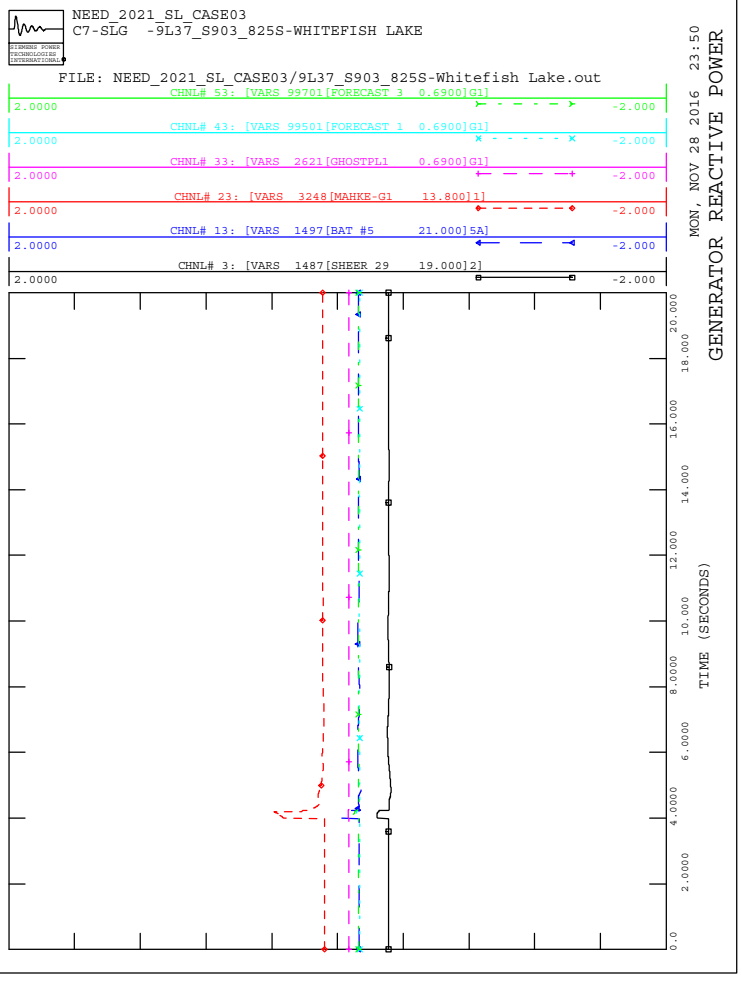
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:50
LINE POWER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CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:50
GENERATOR REACTIVE POWER

Transient Stability Analysis Plots

Existing System Prior to PENV Development

2021 Winter Peak

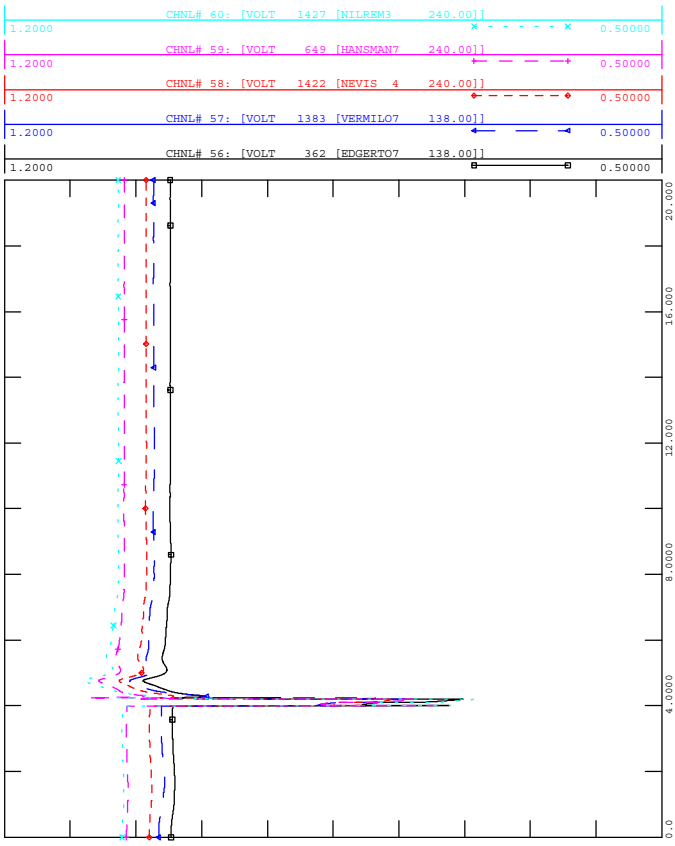
Category C7 (Single-line-to-ground Fault)

NEED_2021_WP_CASE05
C7-SLG -9L16_S904_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L16_S904_755S-Cordel.out

MON, NOV 28 2016 23:51

BUS VOLTAGE

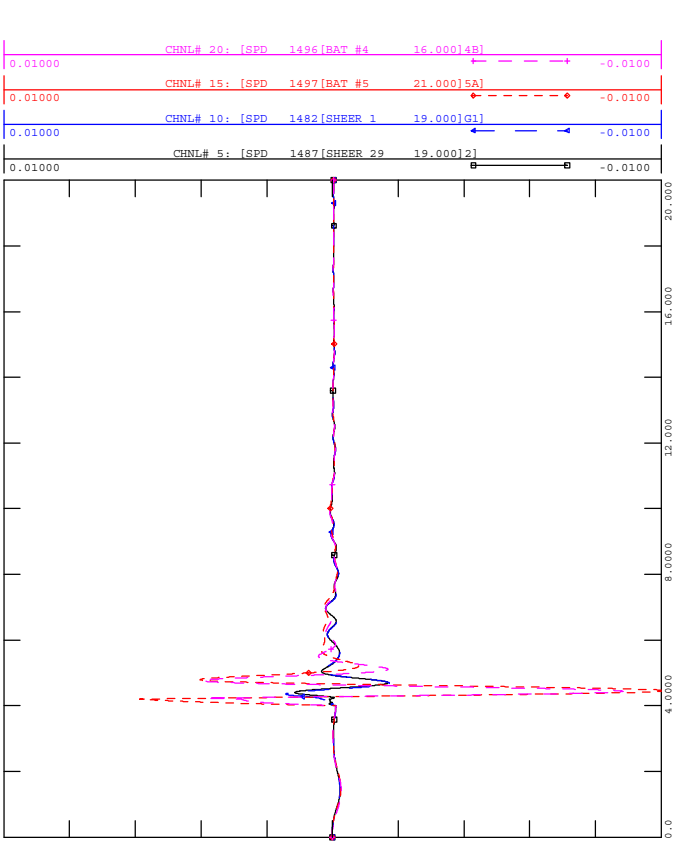


NEED_2021_WP_CASE05
C7-SLG -9L16_S904_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L16_S904_755S-Cordel.out

MON, NOV 28 2016 23:51

MACHINE SPEED

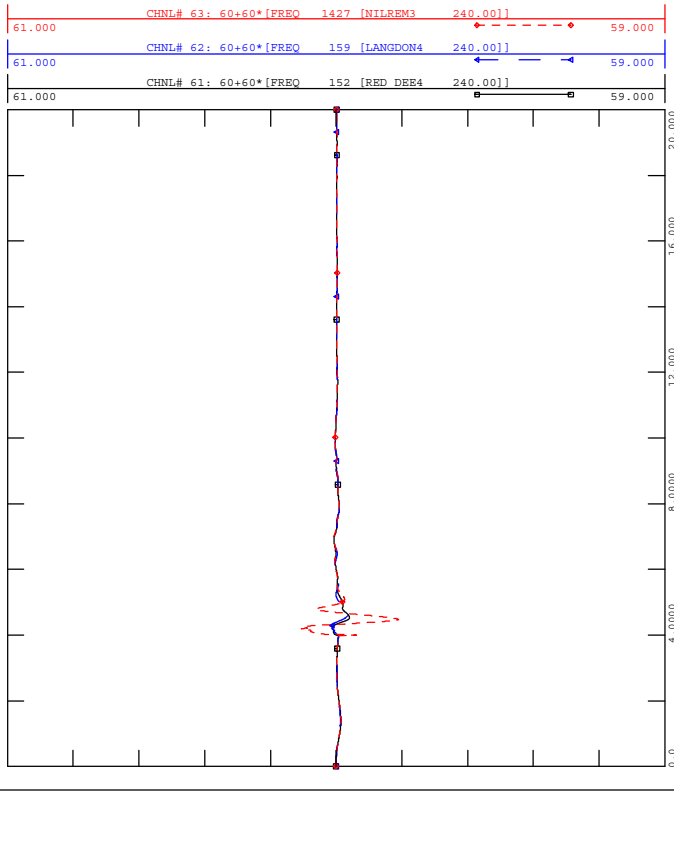


NEED_2021_WP_CASE05
C7-SLG -9L16_S904_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L16_S904_755S-Cordel.out

MON, NOV 28 2016 23:51

FREQUENCY

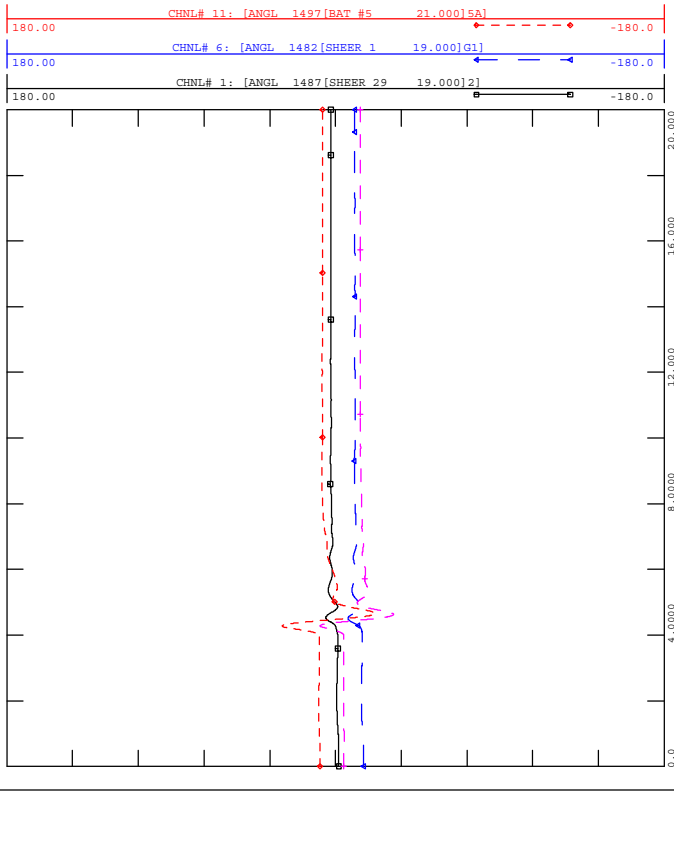


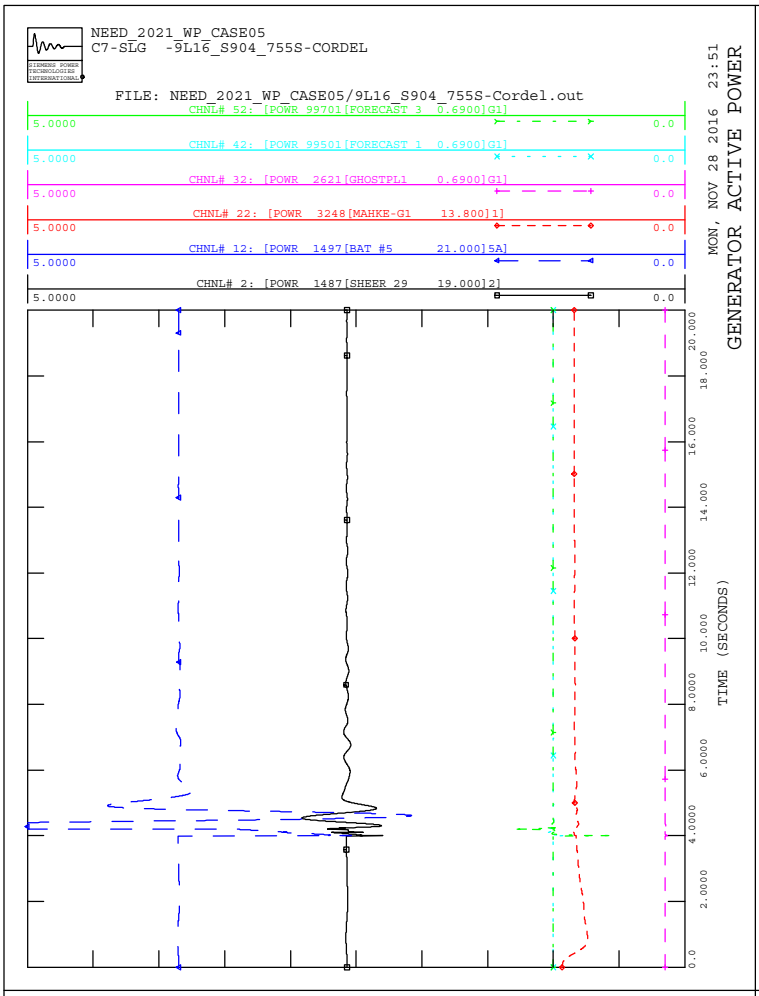
NEED_2021_WP_CASE05
C7-SLG -9L16_S904_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L16_S904_755S-Cordel.out

MON, NOV 28 2016 23:51

MACHINE ANGEL

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C7-SLG -9L16_S904_755S-CORDEL
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CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
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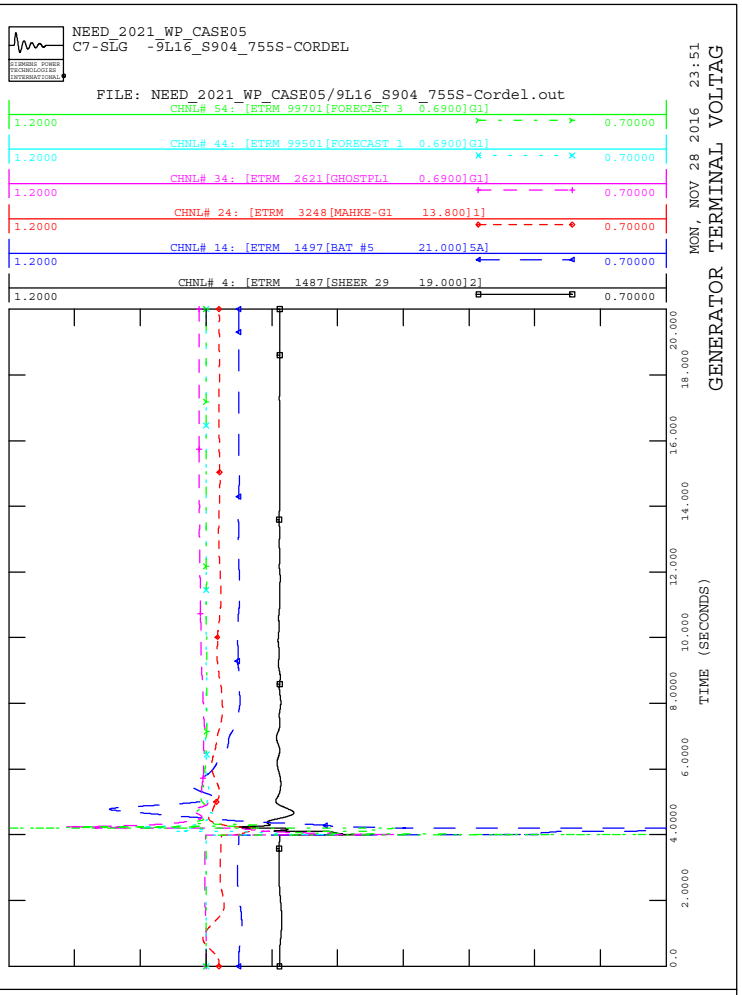
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:51
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C7-SLG -9L16_S904_755S-CORDEL
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CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
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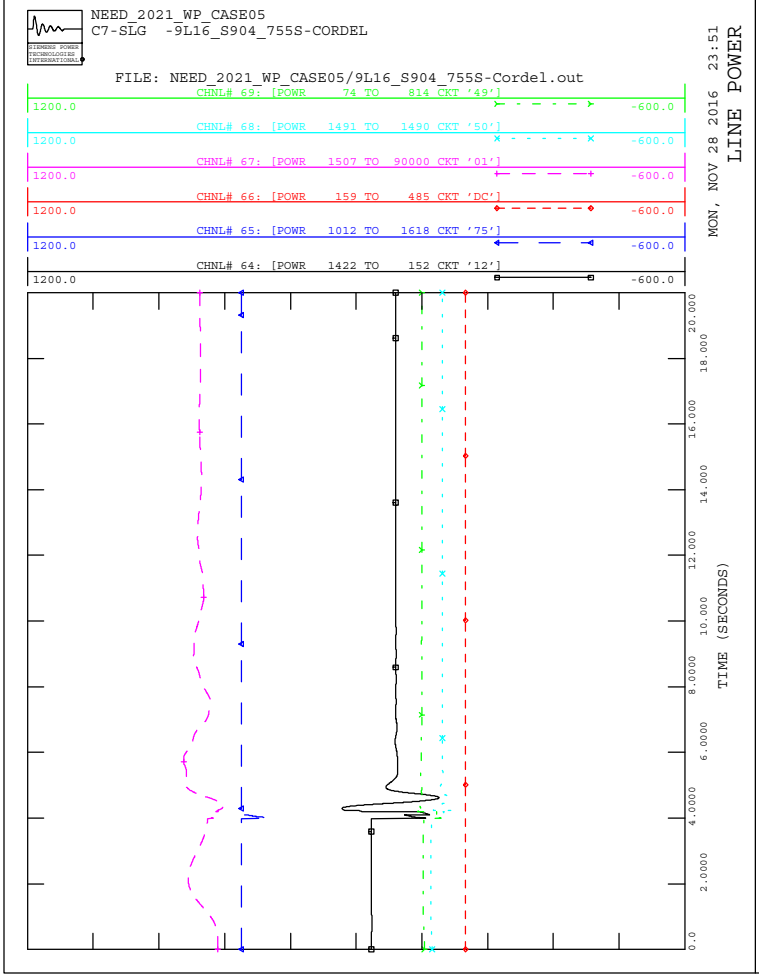
MON, NOV 28 2016 23:51
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C7-SLG -9L16_S904_755S-CORDEL
FILE: NEED_2021_WP_CASE05/9L16_S904_755S-Cordel.out
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CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
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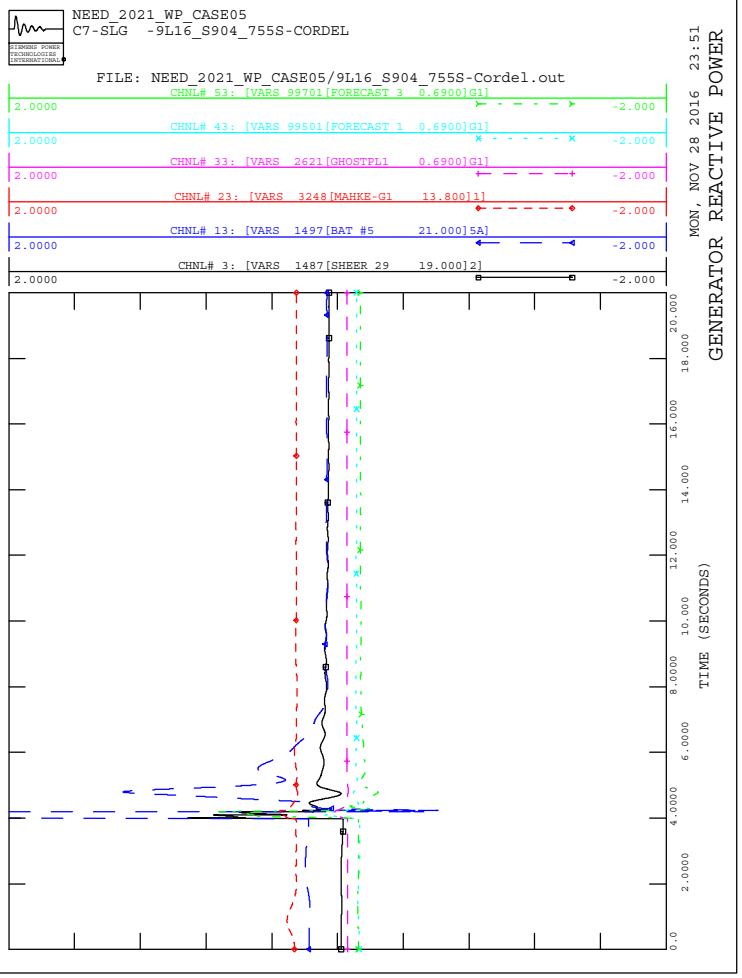
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:51
LINE POWER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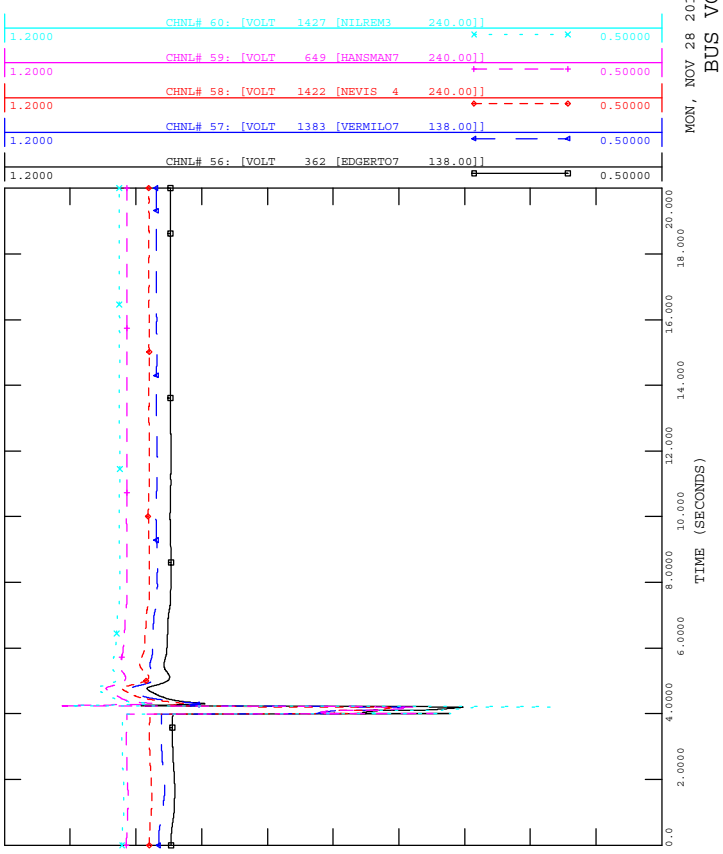
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:51
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L16_S905_755S-CORDEL

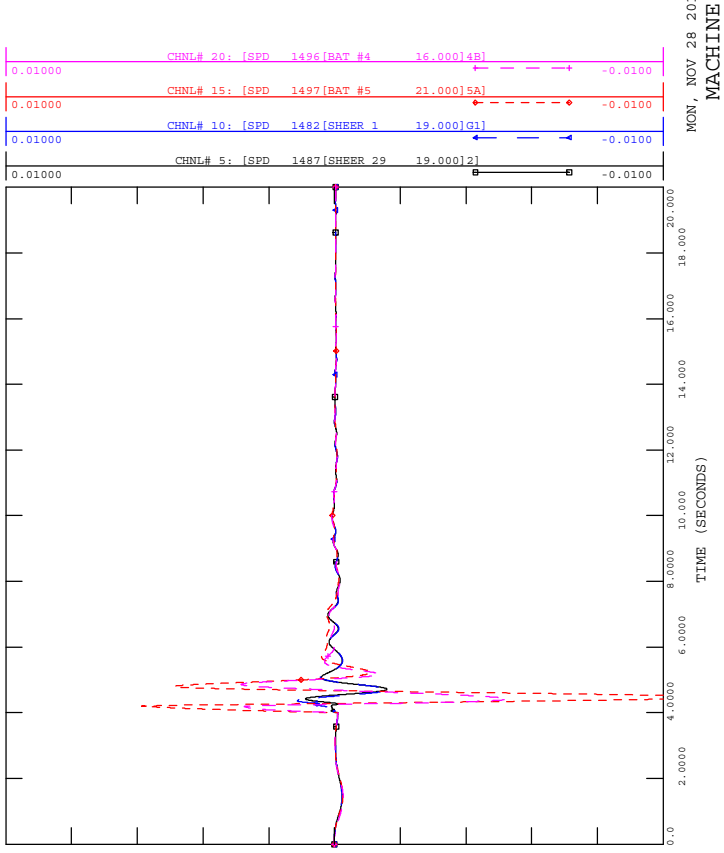
FILE: NEED_2021_WP_CASE05/9L16_S905_755S-Cordel.out



MON, NOV 28 2016 23:51
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -9L16_S905_755S-CORDEL

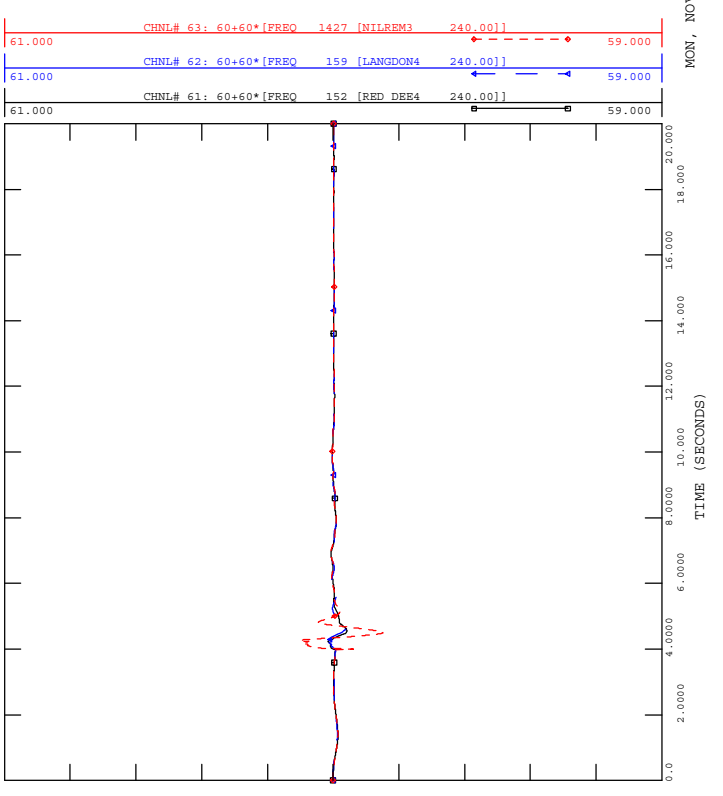
FILE: NEED_2021_WP_CASE05/9L16_S905_755S-Cordel.out



MON, NOV 28 2016 23:51
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -9L16_S905_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L16_S905_755S-Cordel.out



MON, NOV 28 2016 23:51
FREQUENCY

NEED_2021_WP_CASE05
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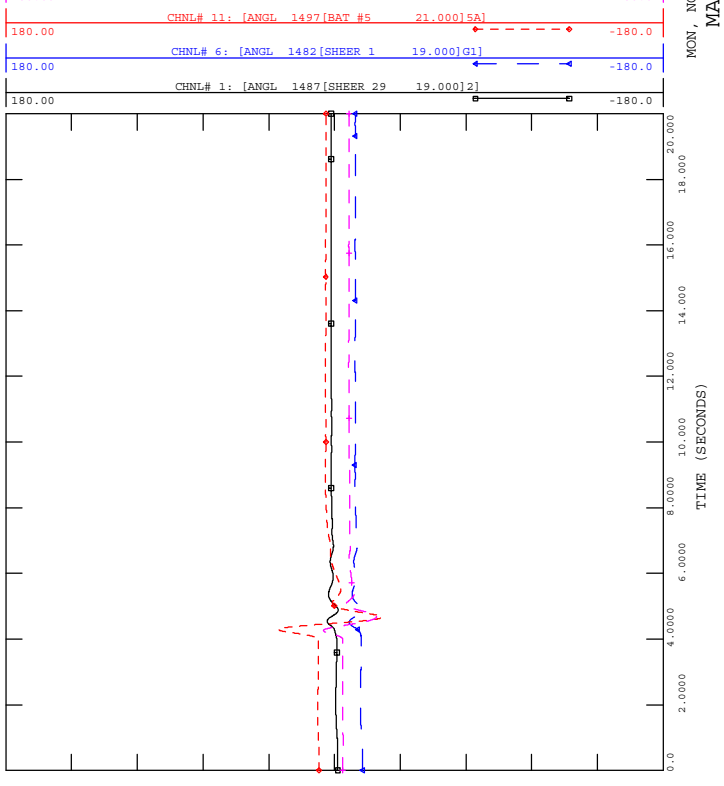
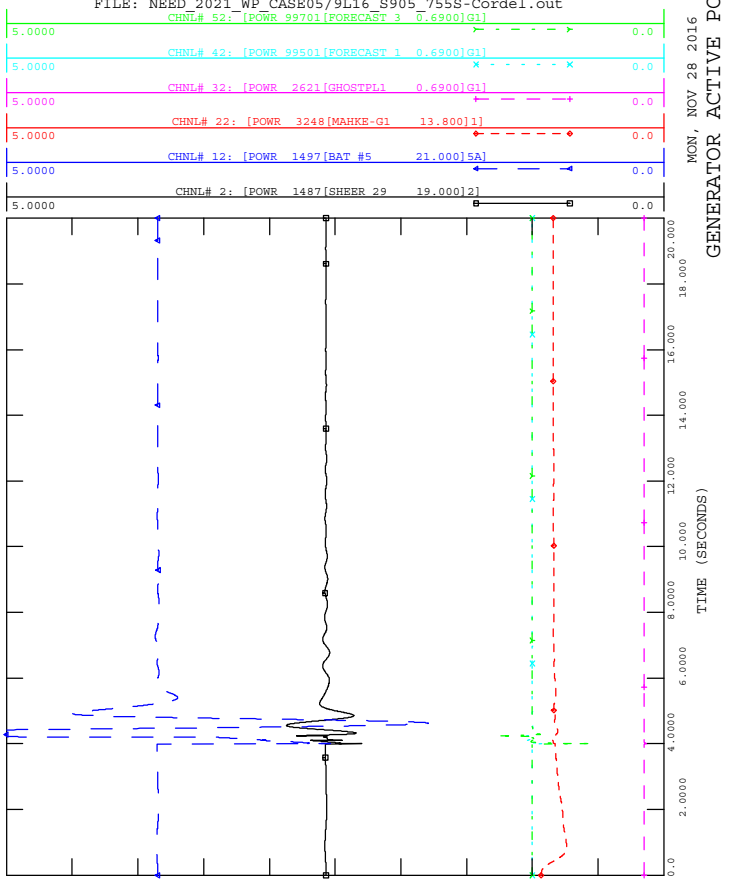


MON, NOV 28 2016 23:51
MACHINE ANGEL

NEED_2021_WP_CASE05
C7-SLG -9L16_S905_755S-CORDEL

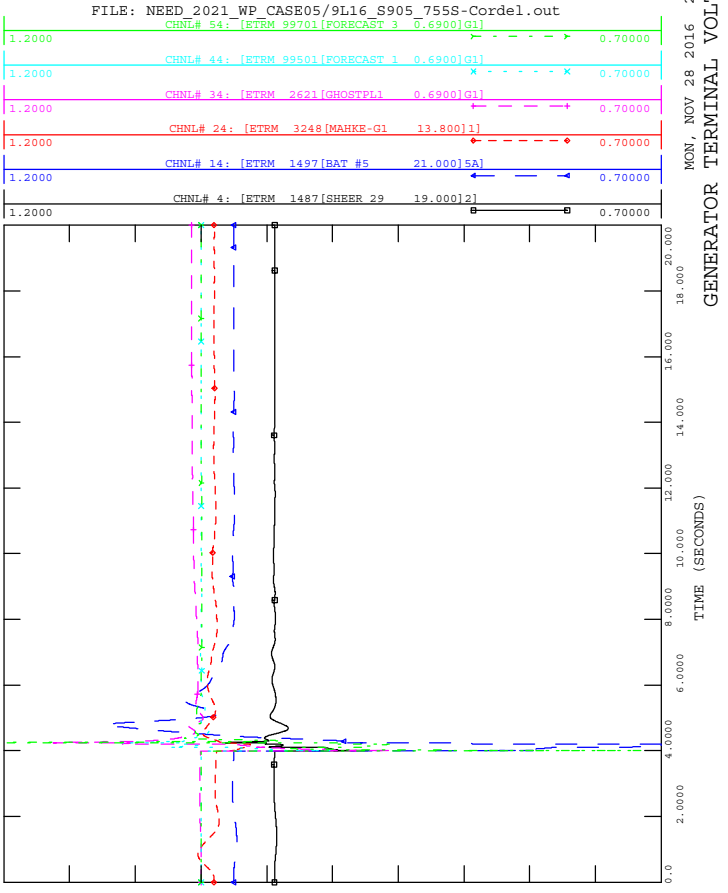
FILE: NEED_2021_WP_CASE05/9L16_S905_755S-Cordel.out



MON, NOV 28 2016 23:51
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L16_S905_755S-CORDEL

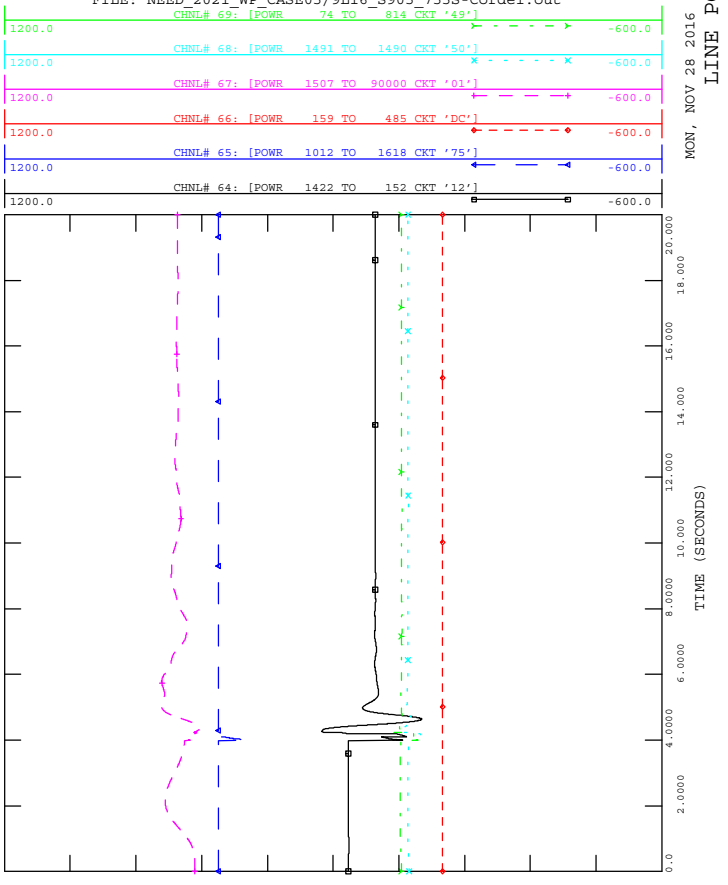
FILE: NEED_2021_WP_CASE05/9L16_S905_755S-Cordel.out



MON, NOV 28 2016 23:51
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -9L16_S905_755S-CORDEL

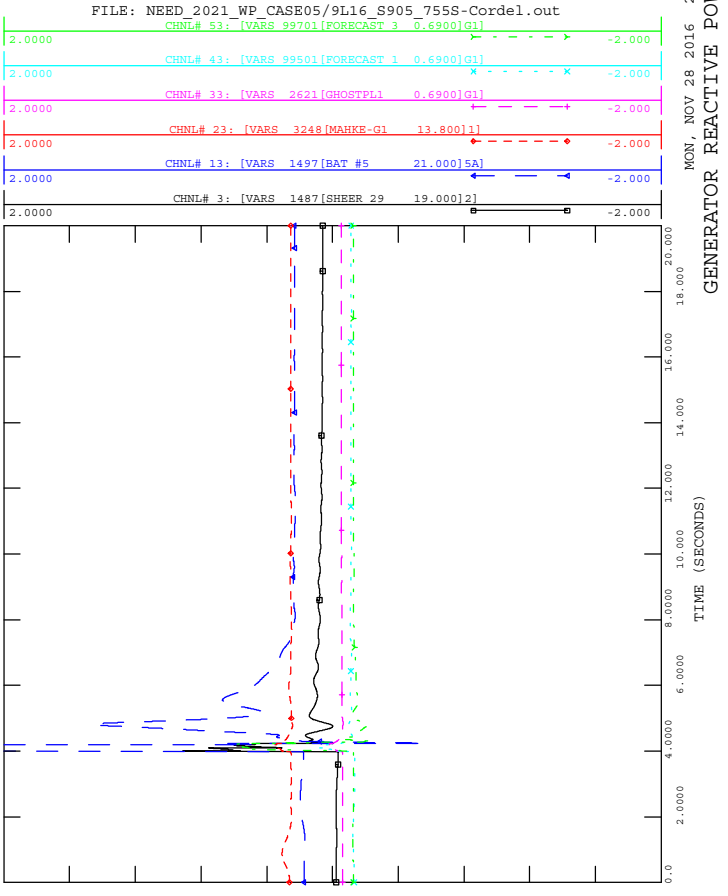
FILE: NEED_2021_WP_CASE05/9L16_S905_755S-Cordel.out



MON, NOV 28 2016 23:51
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -9L16_S905_755S-CORDEL

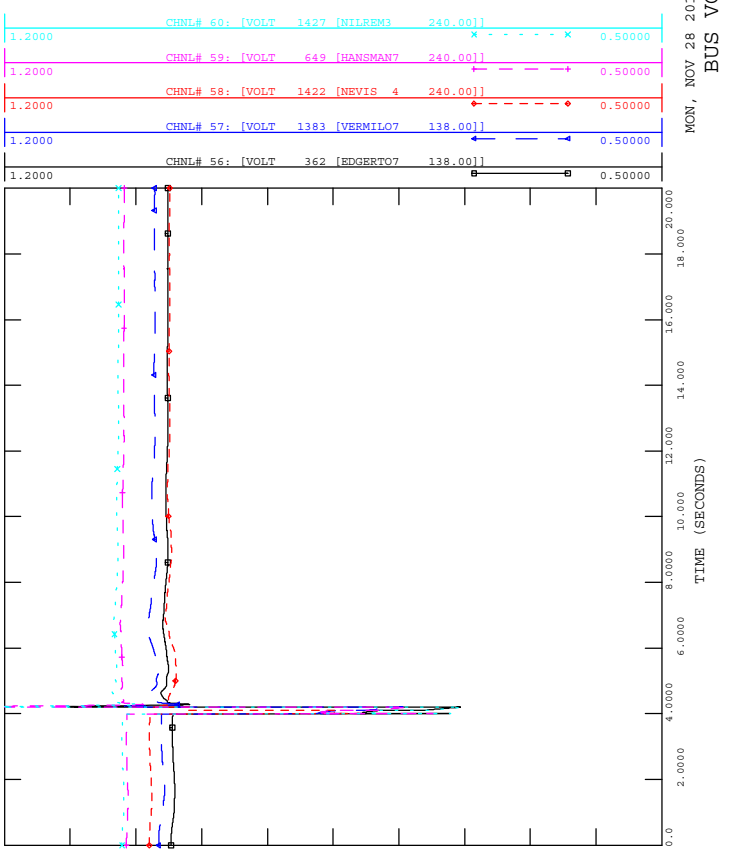
FILE: NEED_2021_WP_CASE05/9L16_S905_755S-Cordel.out



MON, NOV 28 2016 23:51
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L20_S901_755S-CORDEL

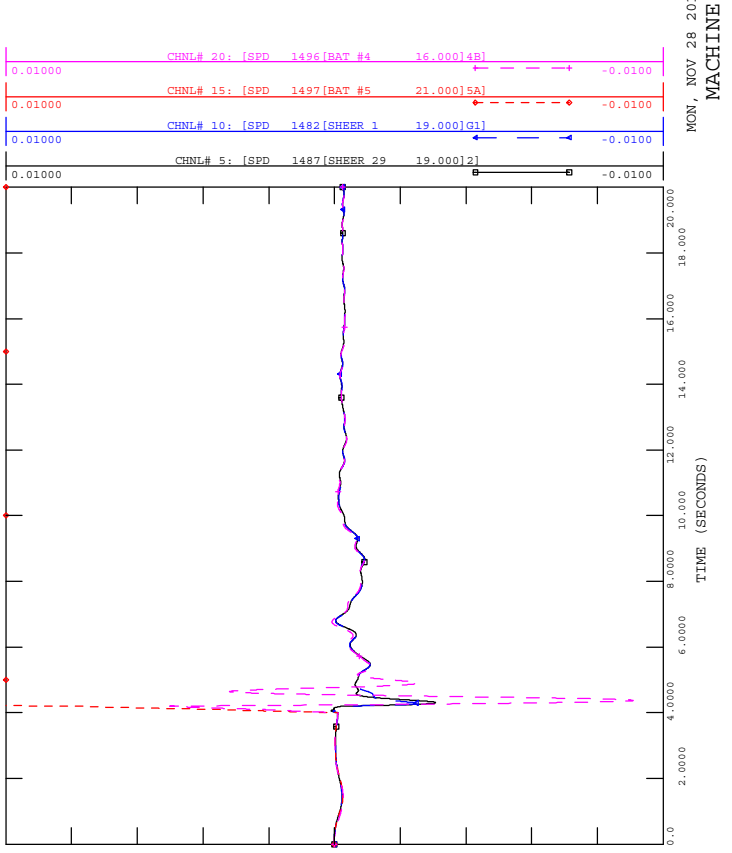
FILE: NEED_2021_WP_CASE05/9L20_S901_755S-Cordel.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -9L20_S901_755S-CORDEL

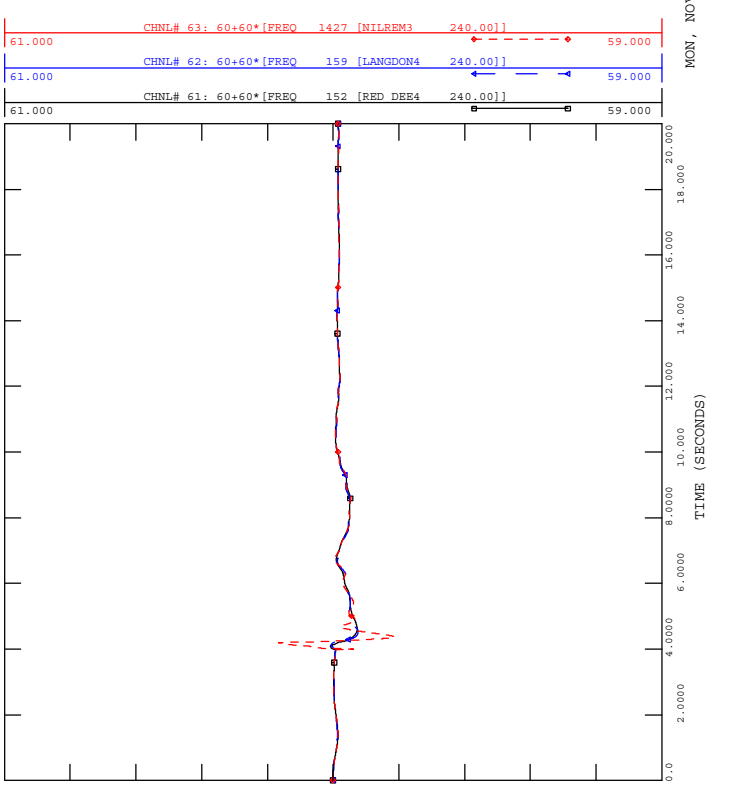
FILE: NEED_2021_WP_CASE05/9L20_S901_755S-Cordel.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -9L20_S901_755S-CORDEL

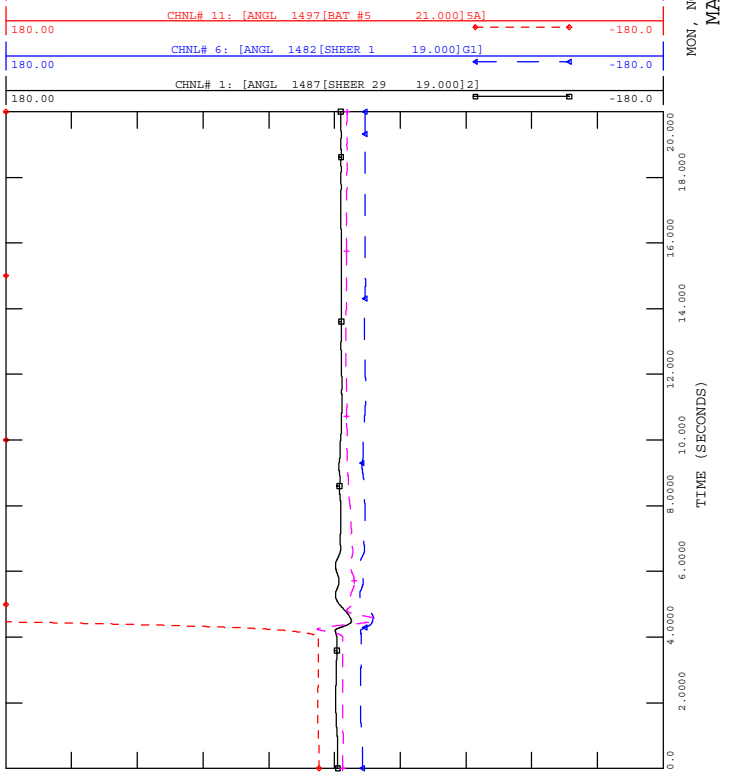
FILE: NEED_2021_WP_CASE05/9L20_S901_755S-Cordel.out



MON, NOV 28 2016 23:52
FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -9L20_S901_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L20_S901_755S-Cordel.out



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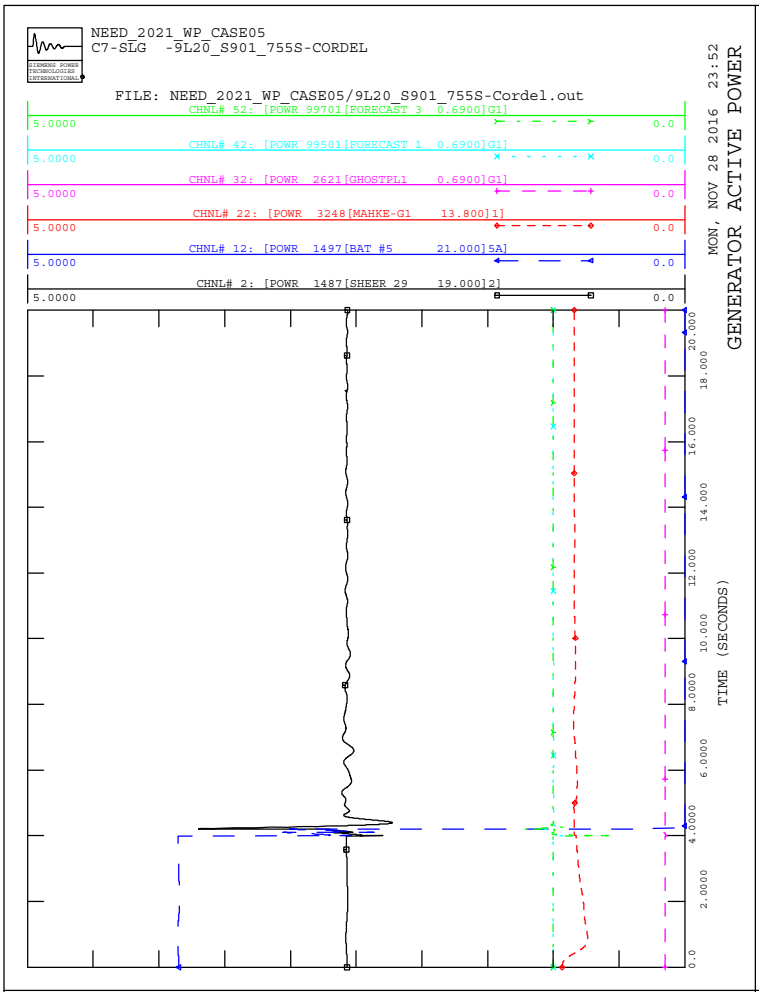
MACHINE ANGEL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C7-SLG -9L20_S901_755S-CORDEL
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CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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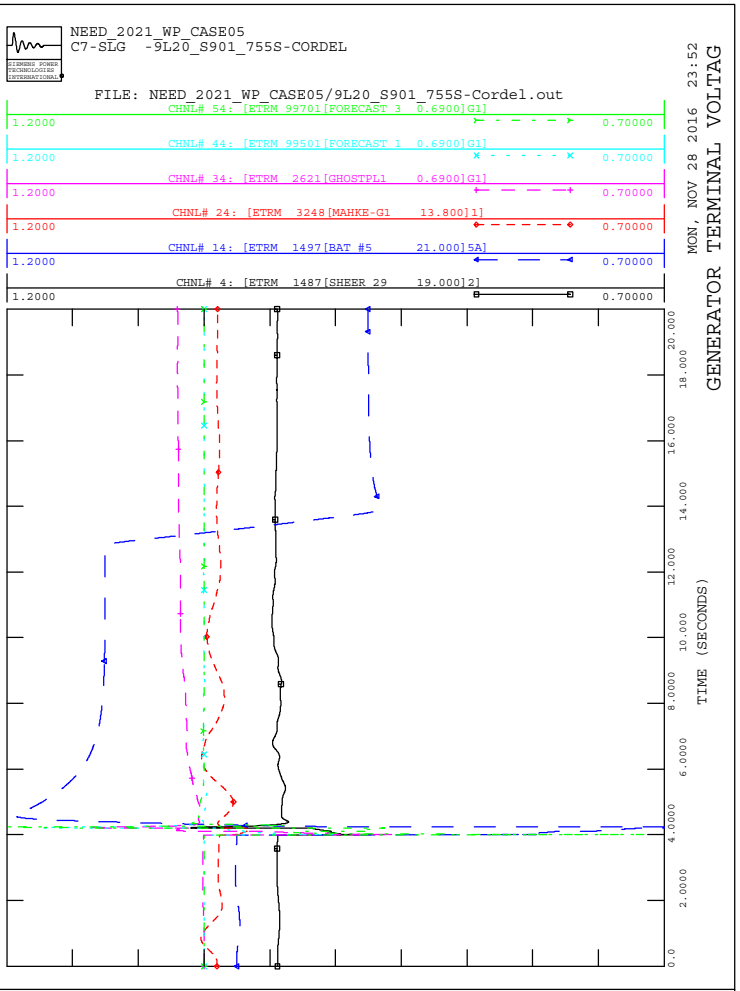
16.000
18.000
20.000
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER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C7-SLG -9L20_S901_755S-CORDEL
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CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
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4.0000
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16.000
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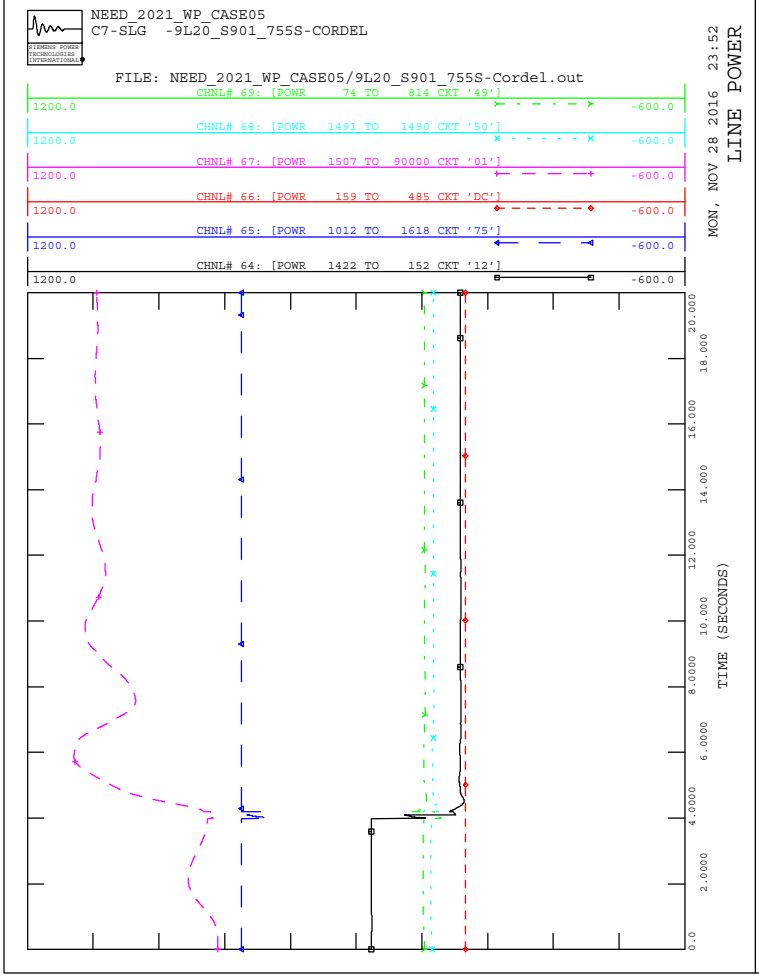
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG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C7-SLG -9L20_S901_755S-CORDEL
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CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
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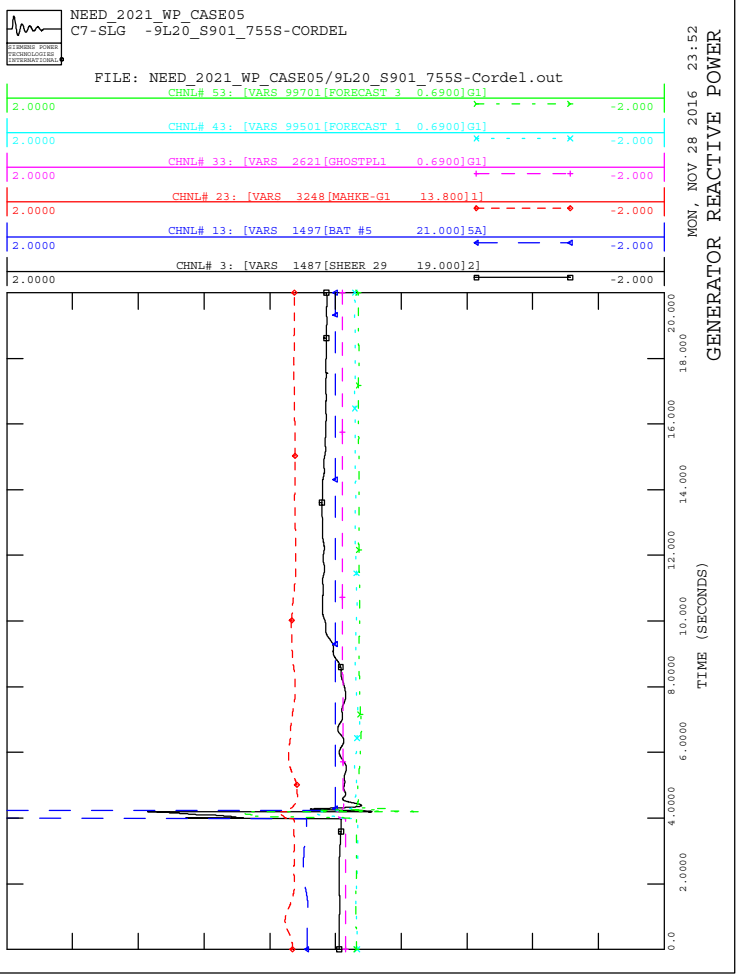
LINE POWER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C7-SLG -9L20_S901_755S-CORDEL
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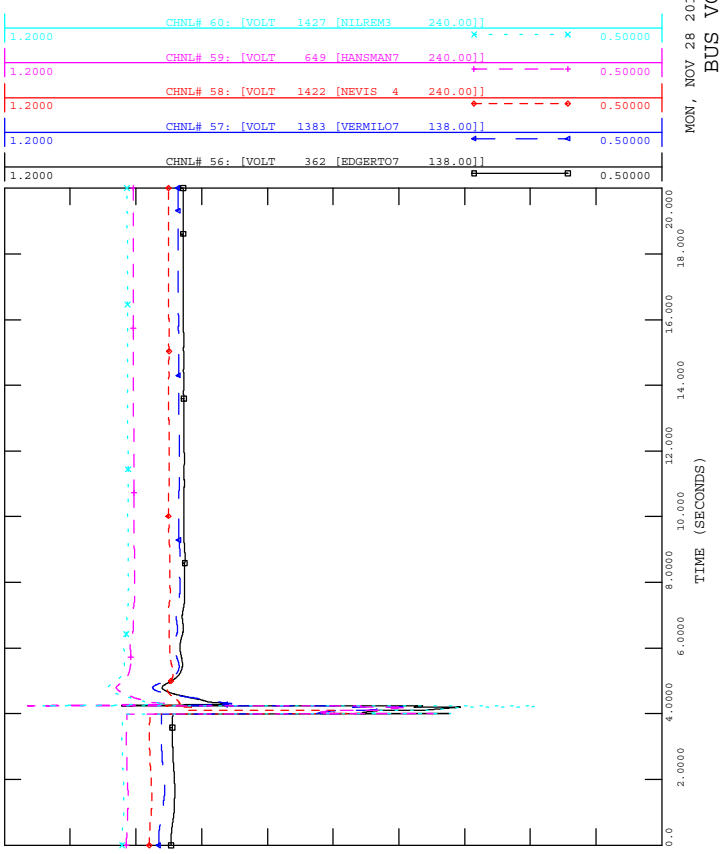
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L20_S906_755S-CORDEL

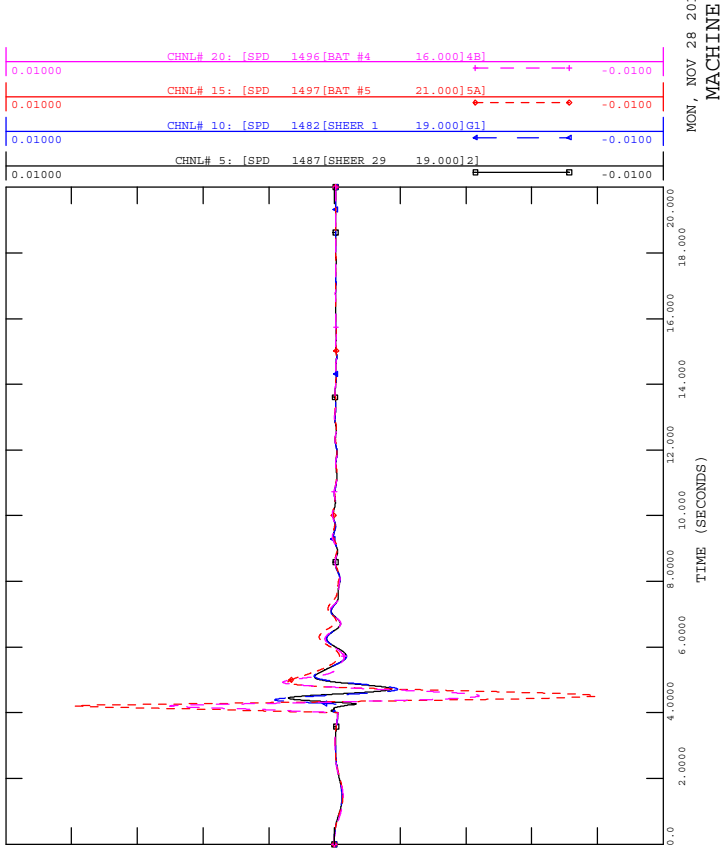
FILE: NEED_2021_WP_CASE05/9L20_S906_755S-Cordel.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -9L20_S906_755S-CORDEL

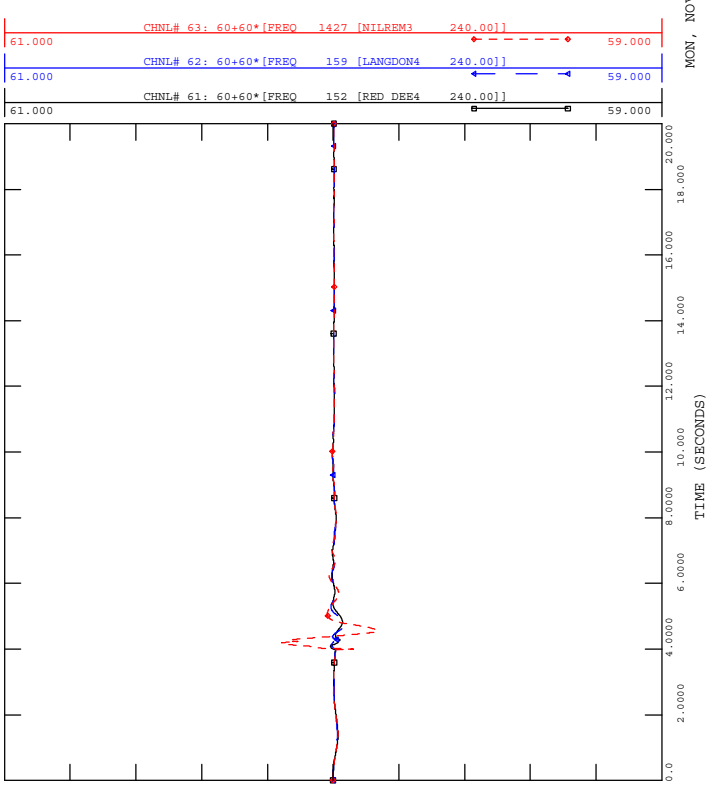
FILE: NEED_2021_WP_CASE05/9L20_S906_755S-Cordel.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -9L20_S906_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L20_S906_755S-Cordel.out



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FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -9L20_S906_755S-CORDEL

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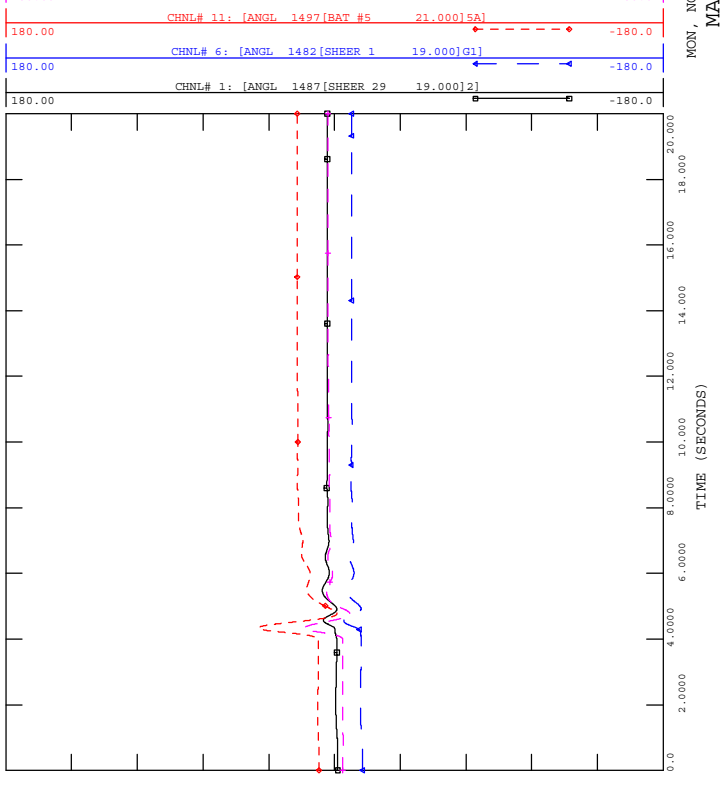

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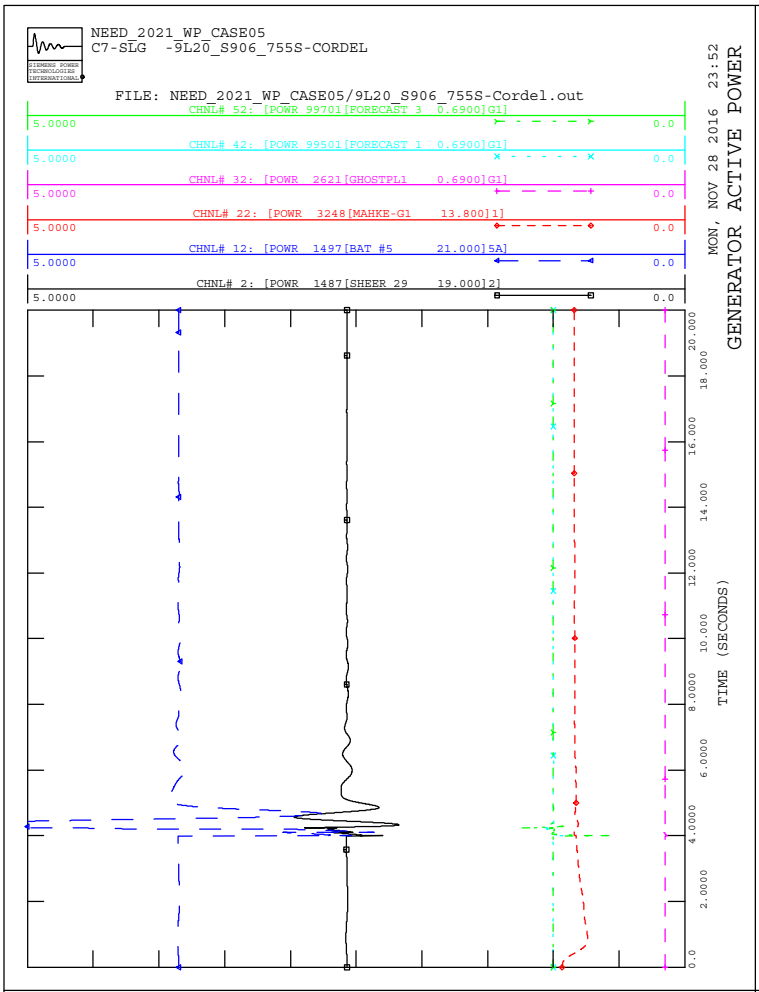
MACHINE ANGEL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C7-SLG -9L20_S906_755S-CORDEL
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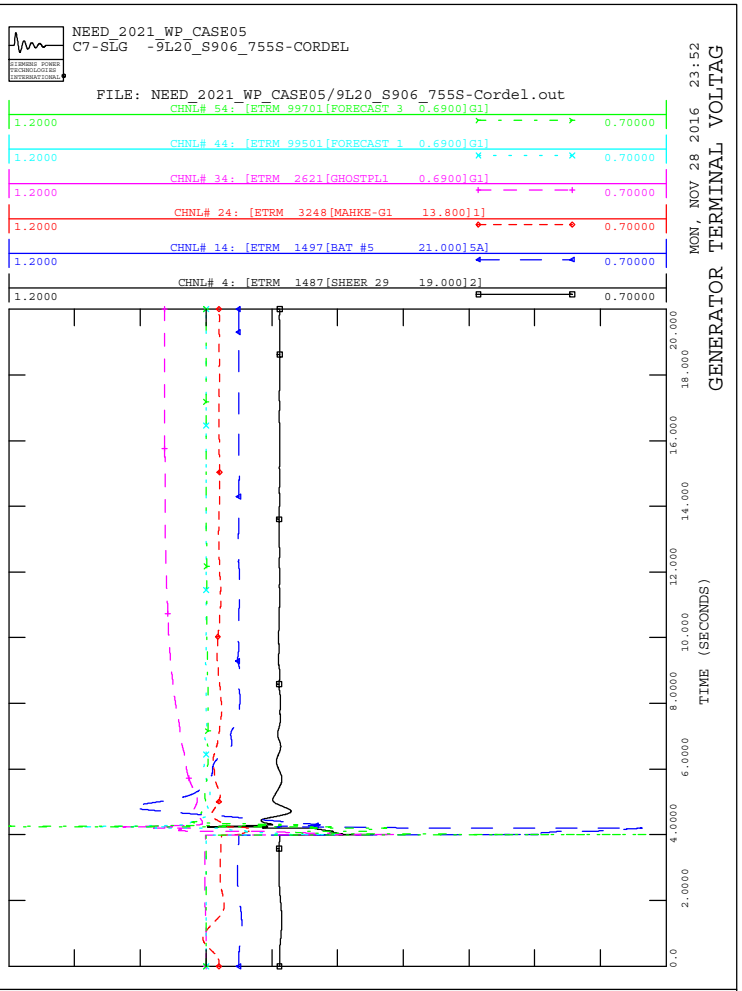
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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C7-SLG -9L20_S906_755S-CORDEL
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CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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8.0000
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12.000
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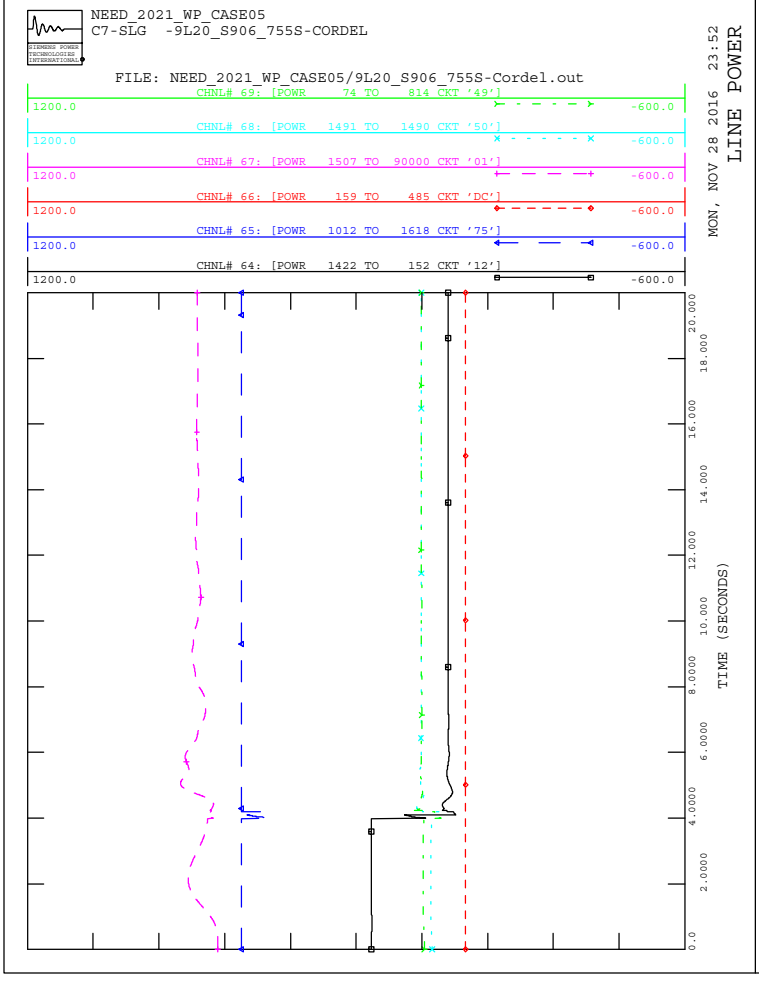
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C7-SLG -9L20_S906_755S-CORDEL
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CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:52
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
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12.000
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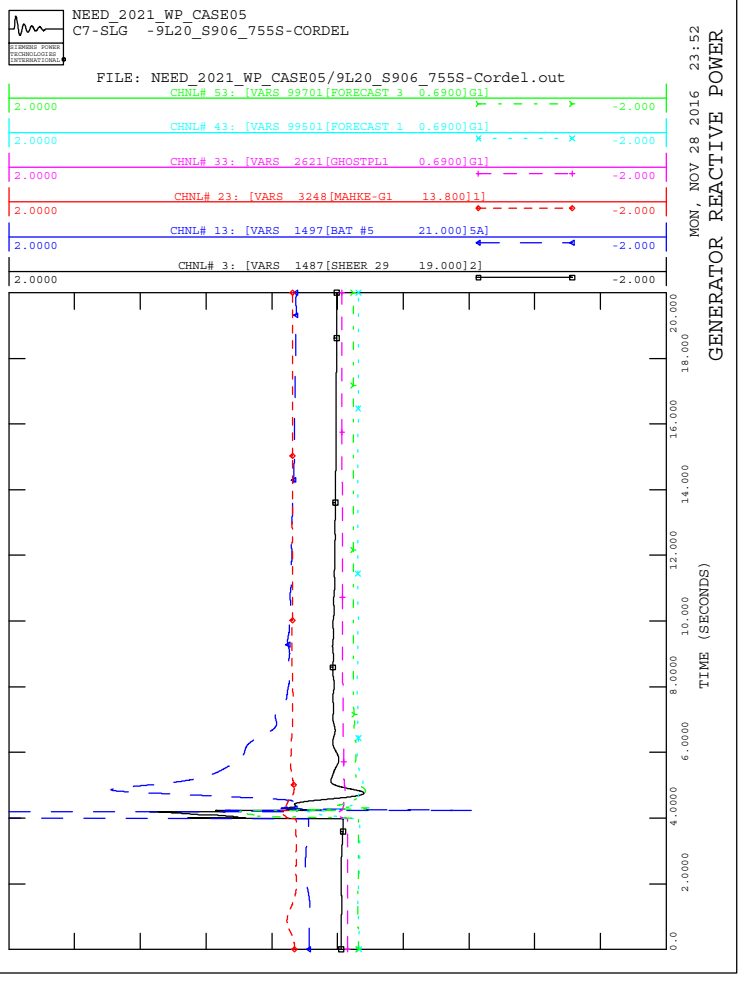
20.000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CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
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CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
10.000
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14.000
16.000
18.000
20.000

NEED_2021_WP_CASE05
C7-SLG -9L27_S902_755S-CORDEL

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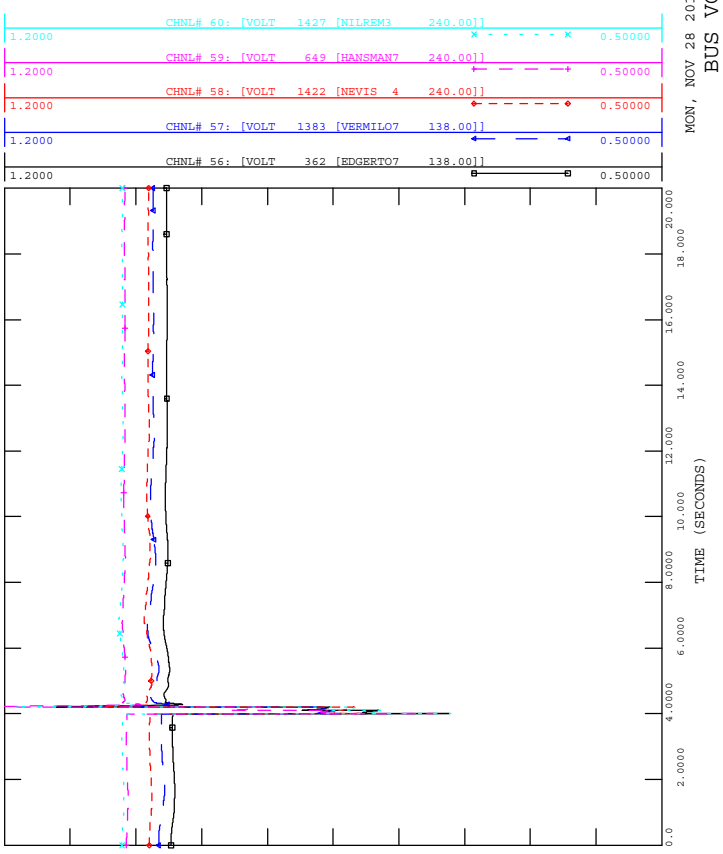

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BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -9L27_S902_755S-CORDEL

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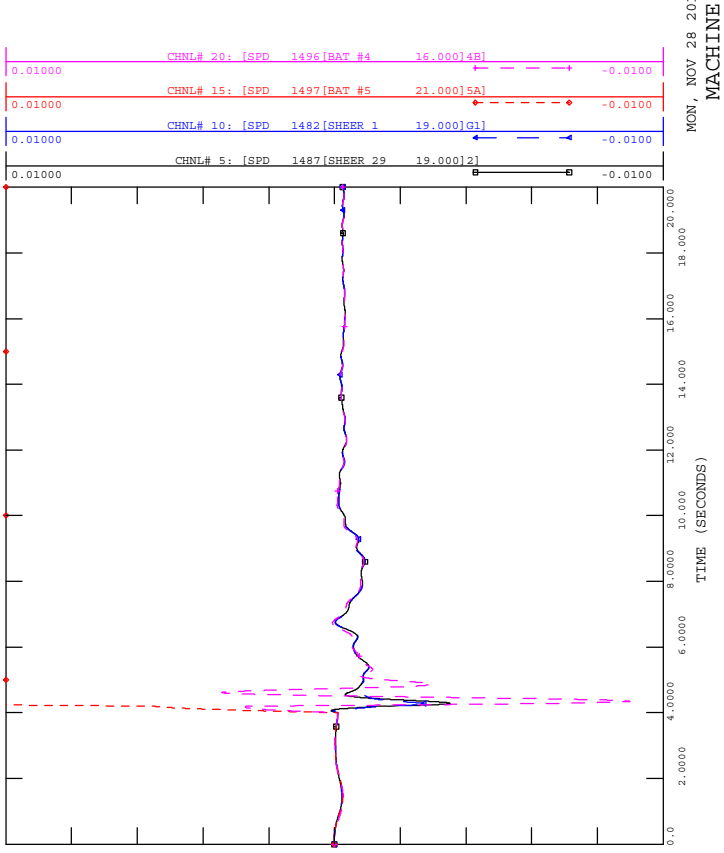

MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -9L27_S902_755S-CORDEL

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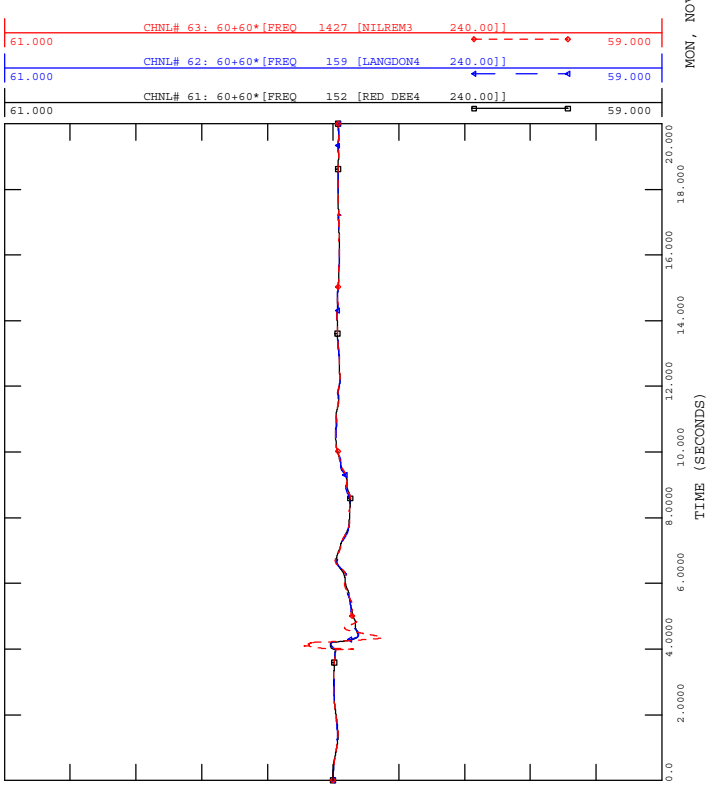

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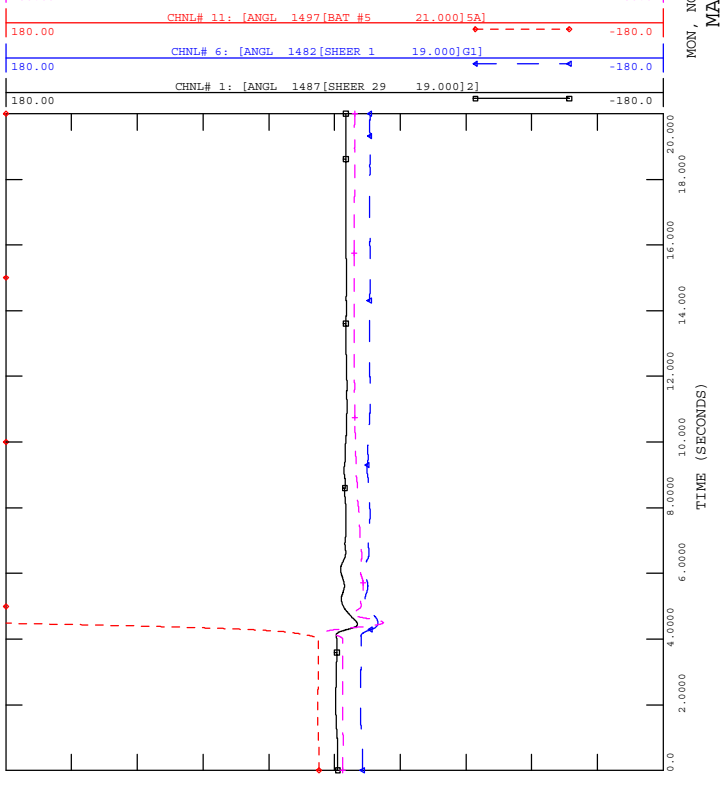

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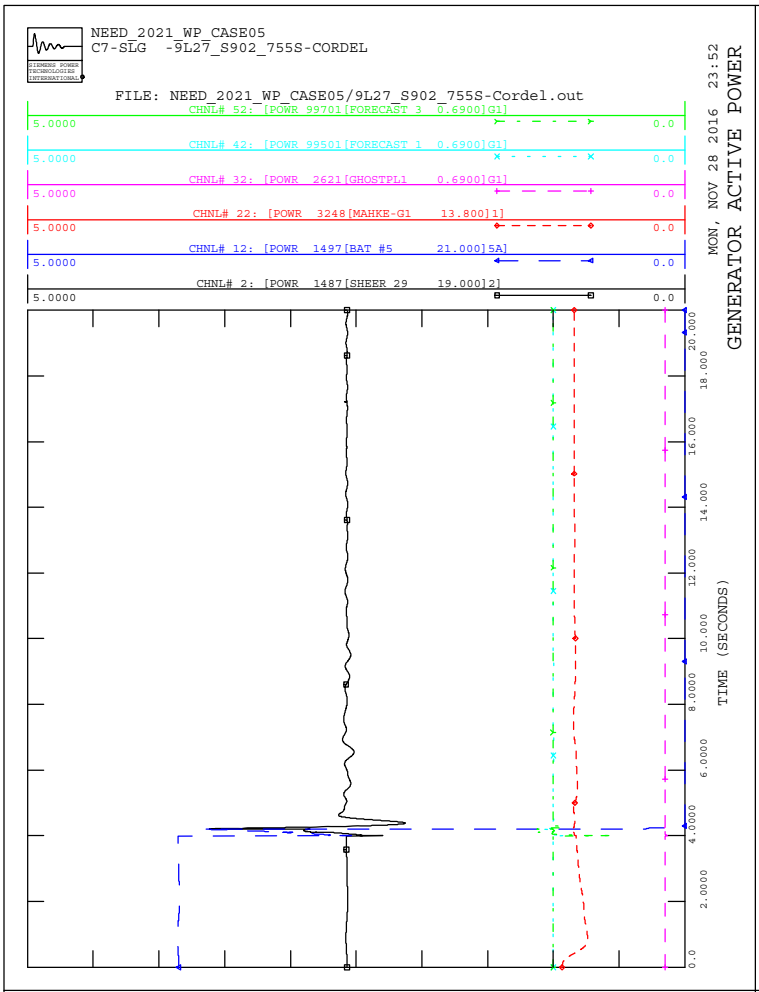
MACHINE ANGEL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C7-SLG -9L27_S902_755S-CORDEL
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CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER
TIME (SECONDS)
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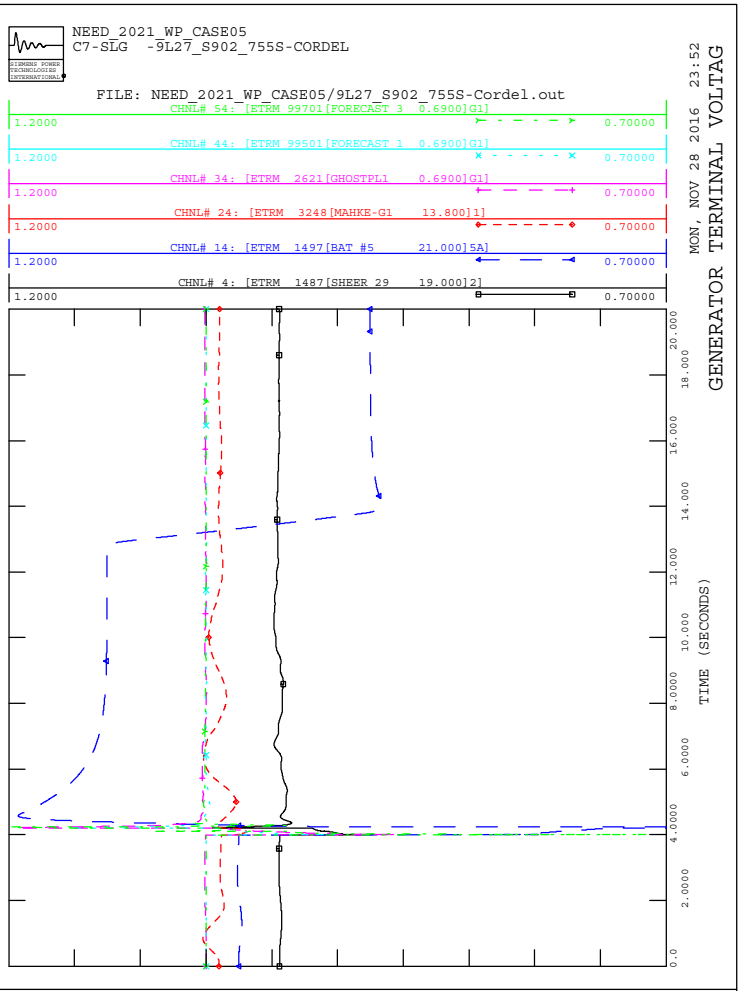
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C7-SLG -9L27_S902_755S-CORDEL
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CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG
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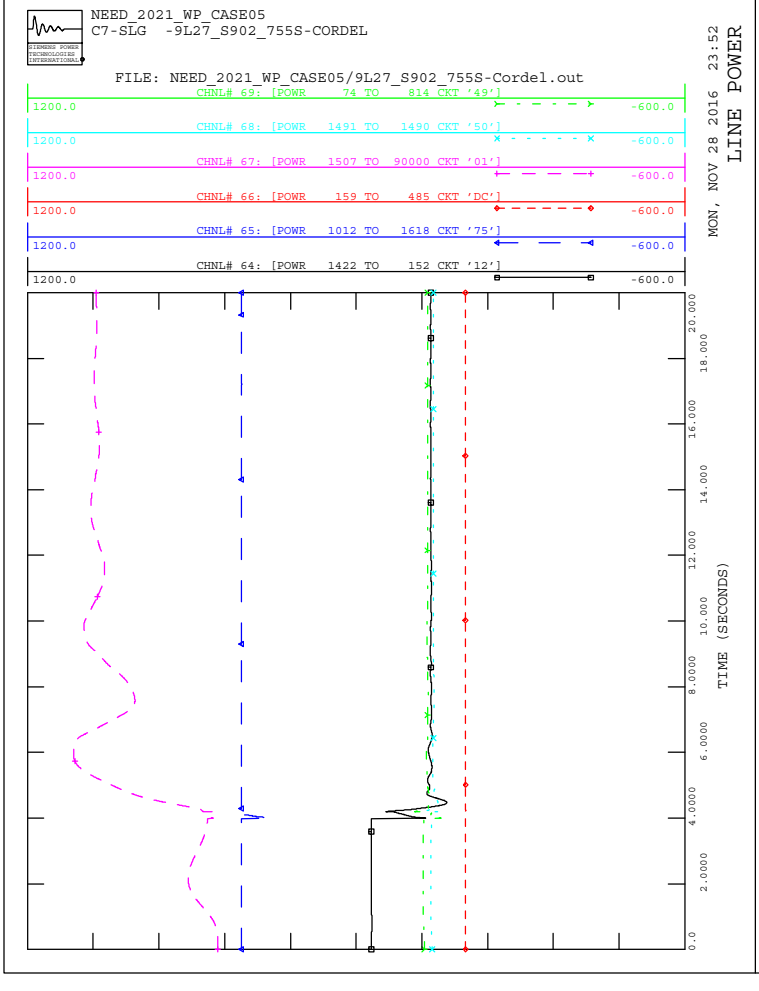
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C7-SLG -9L27_S902_755S-CORDEL
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CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:52
LINE POWER
TIME (SECONDS)
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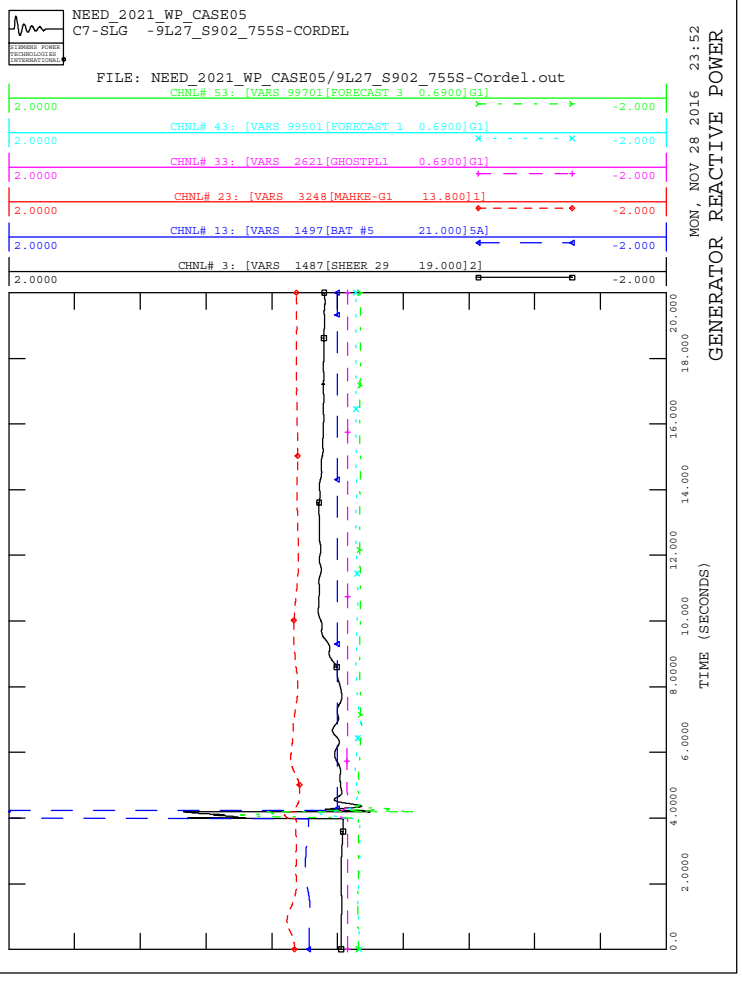
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C7-SLG -9L27_S902_755S-CORDEL
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CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
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CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER
TIME (SECONDS)
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NEED_2021_WP_CASE05
C7-SLG -9L27_S903_755S-CORDEL

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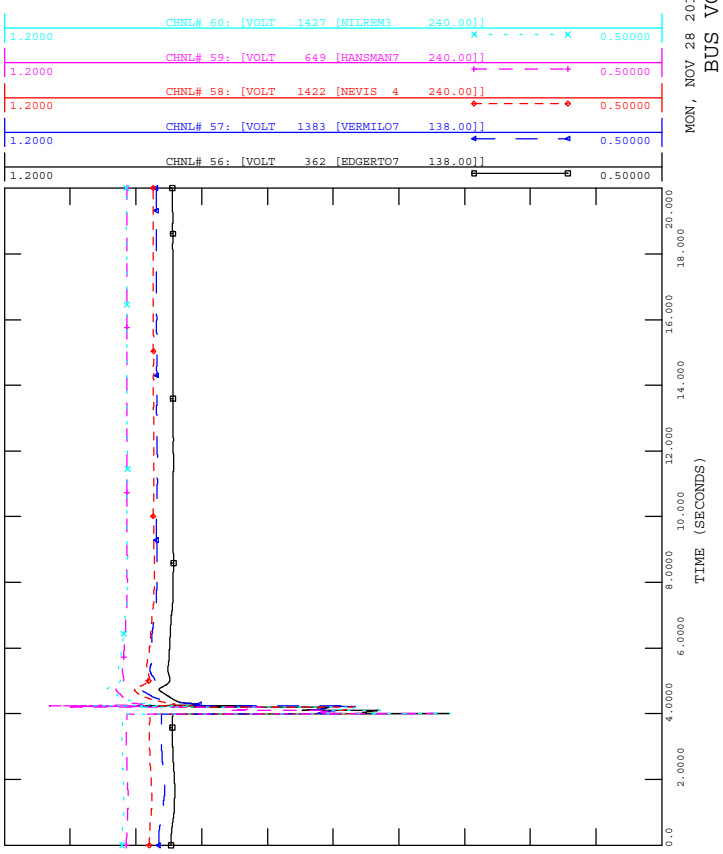

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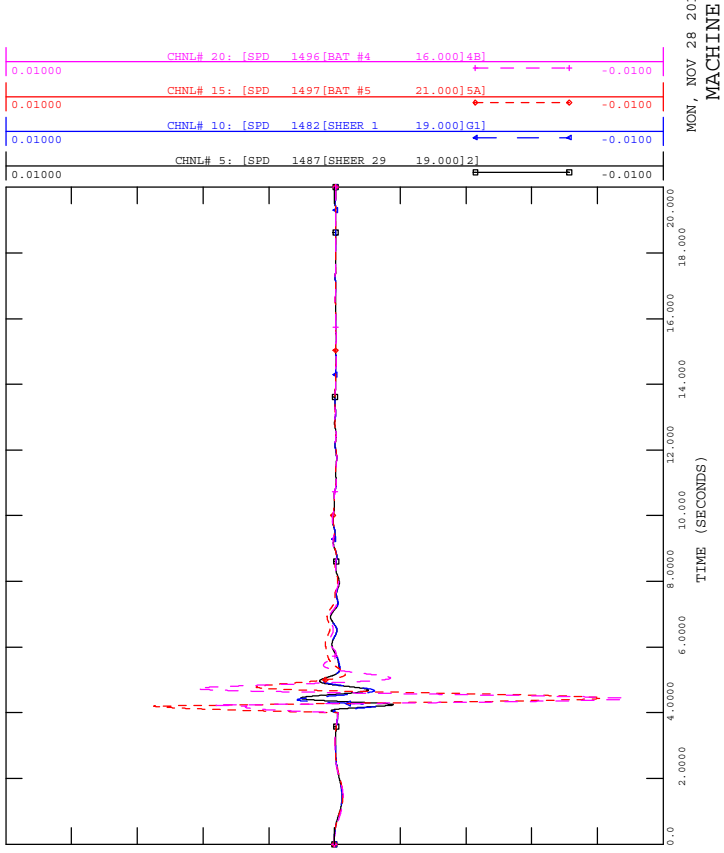
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -9L27_S903_755S-CORDEL

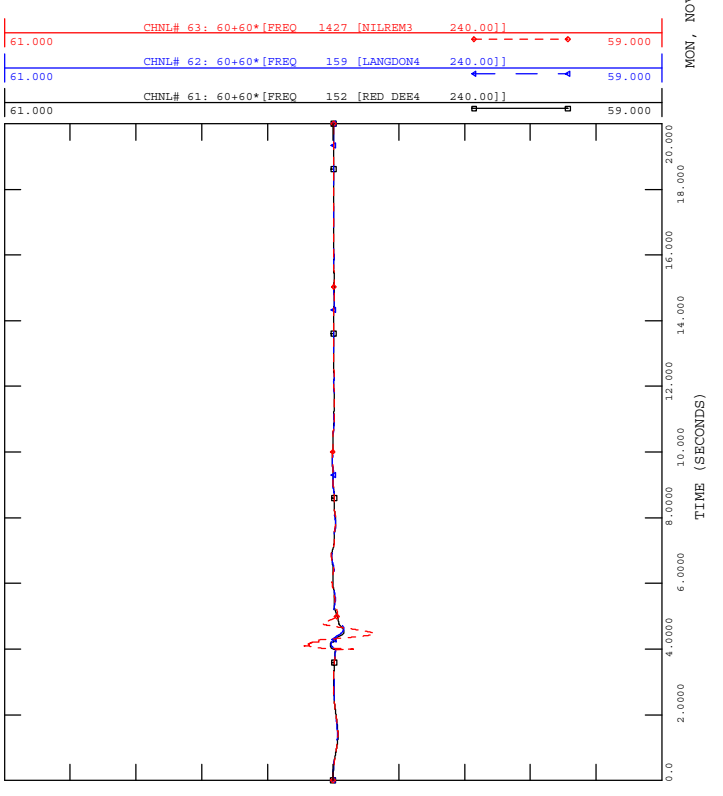
FILE: NEED_2021_WP_CASE05/9L27_S903_755S-Cordel.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -9L27_S903_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L27_S903_755S-Cordel.out



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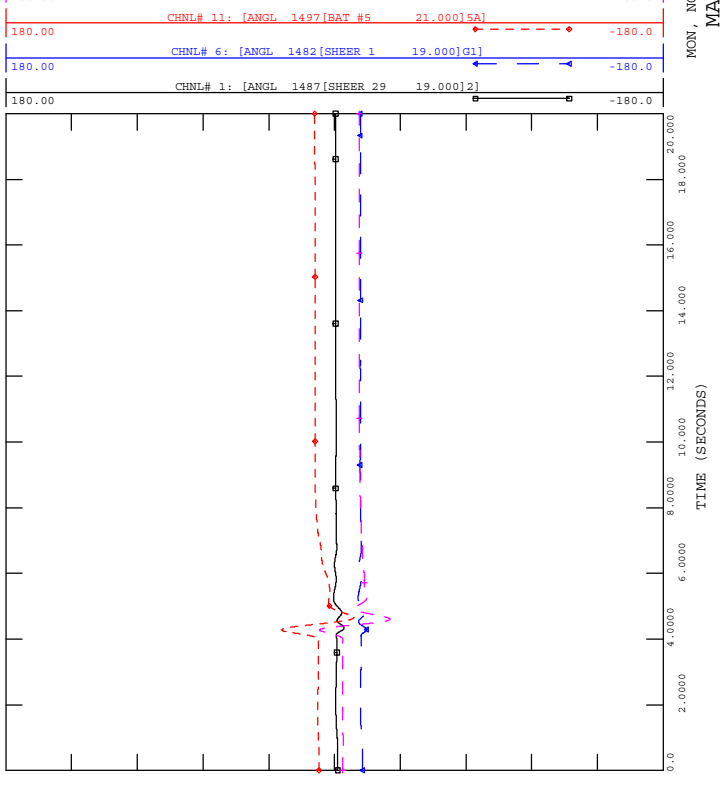
FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -9L27_S903_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L27_S903_755S-Cordel.out



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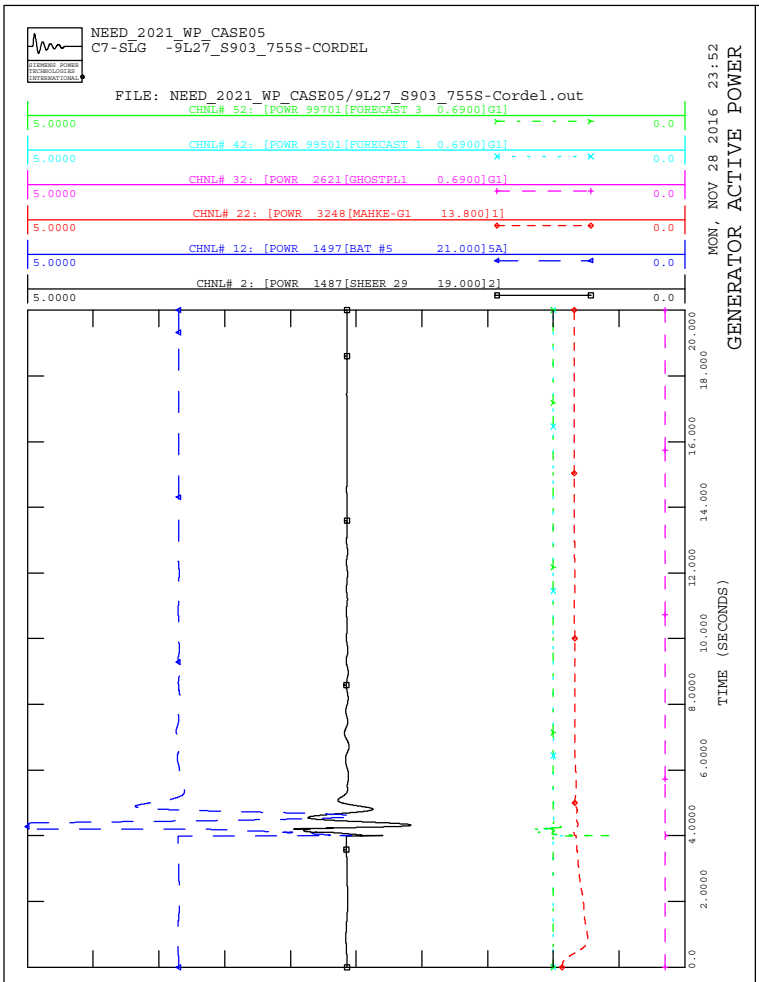
MACHINE ANGEL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C7-SLG -9L27_S903_755S-CORDEL
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CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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GENERATOR ACTIVE POWER
TIME (SECONDS)
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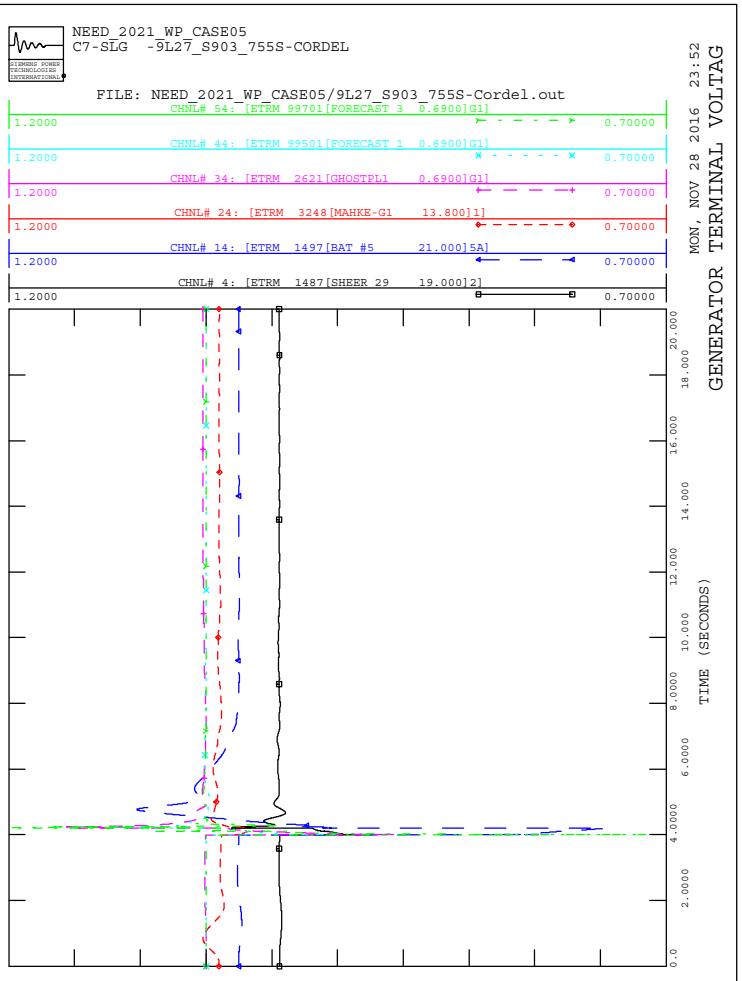
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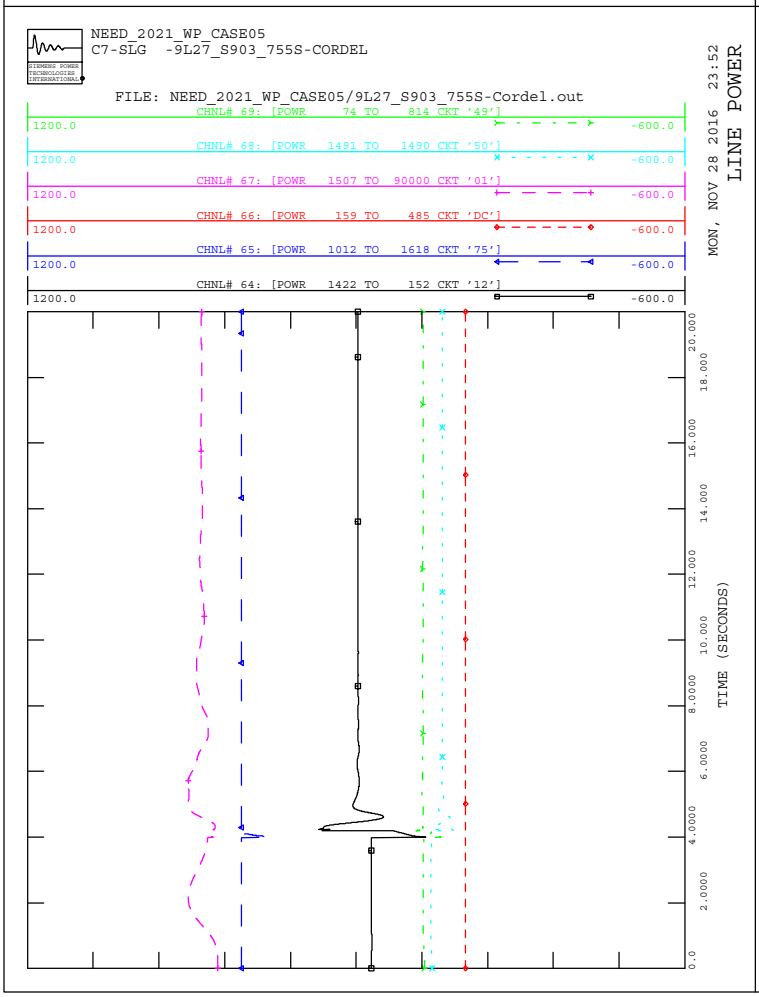
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C7-SLG -9L27_S903_755S-CORDEL
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CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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LINE POWER
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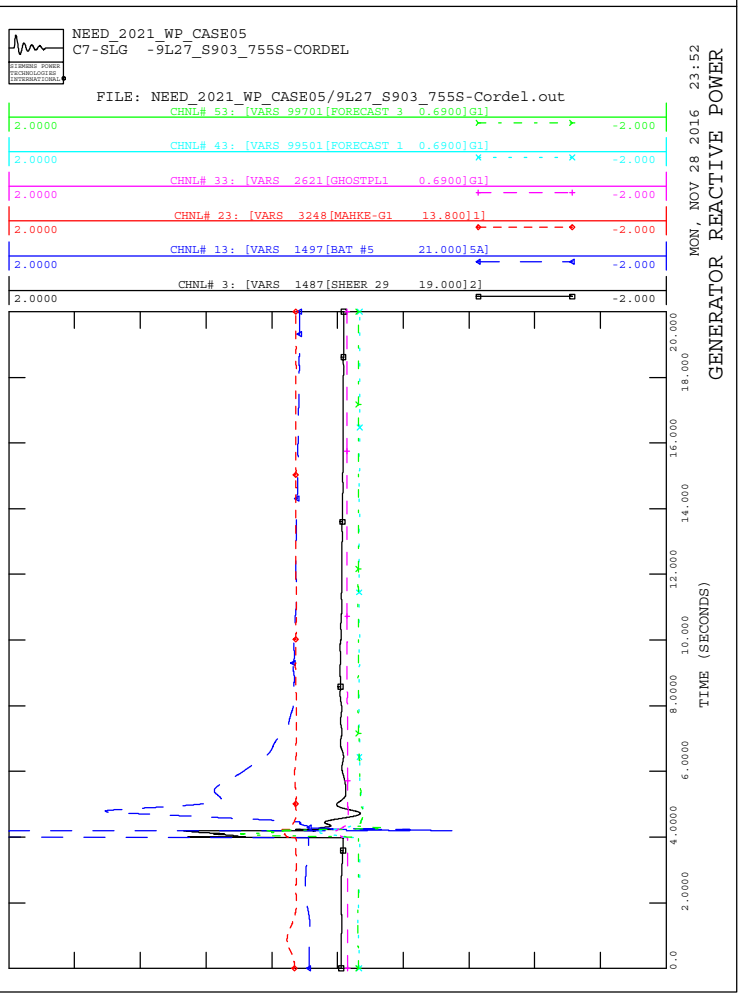
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CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER
TIME (SECONDS)
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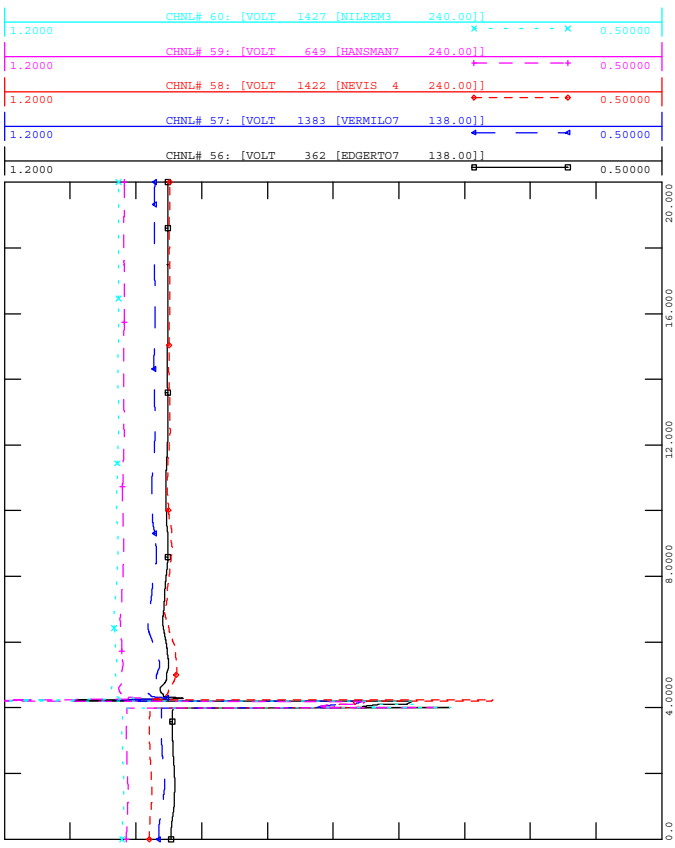
NEED_2021_WP_CASE05
C7-SLG -9L79_S901_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L79_S901_755S-Cordel.out

MON, NOV 28 2016 23:52

BUS VOLTAGE



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C7-SLG -9L79_S901_755S-CORDEL

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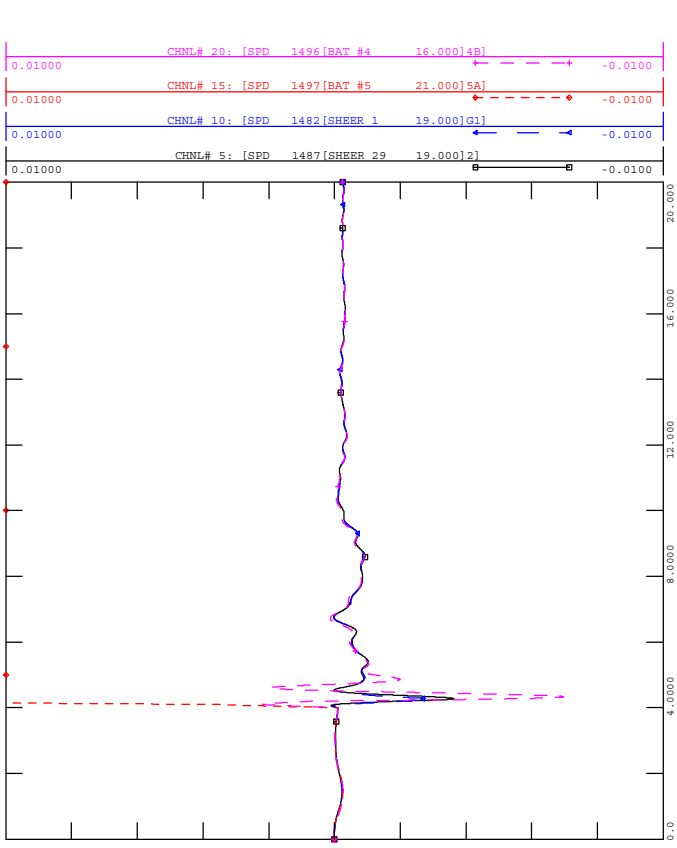
MON, NOV 28 2016 23:52

MACHINE SPEED



NEED_2021_WP_CASE05
C7-SLG -9L79_S901_755S-CORDEL

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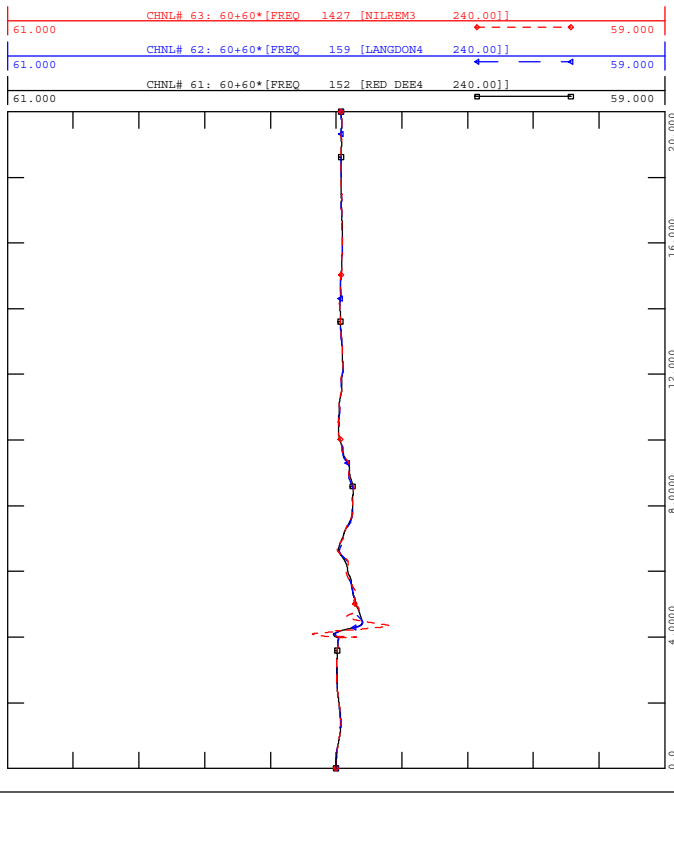

NEED_2021_WP_CASE05
C7-SLG -9L79_S901_755S-CORDEL

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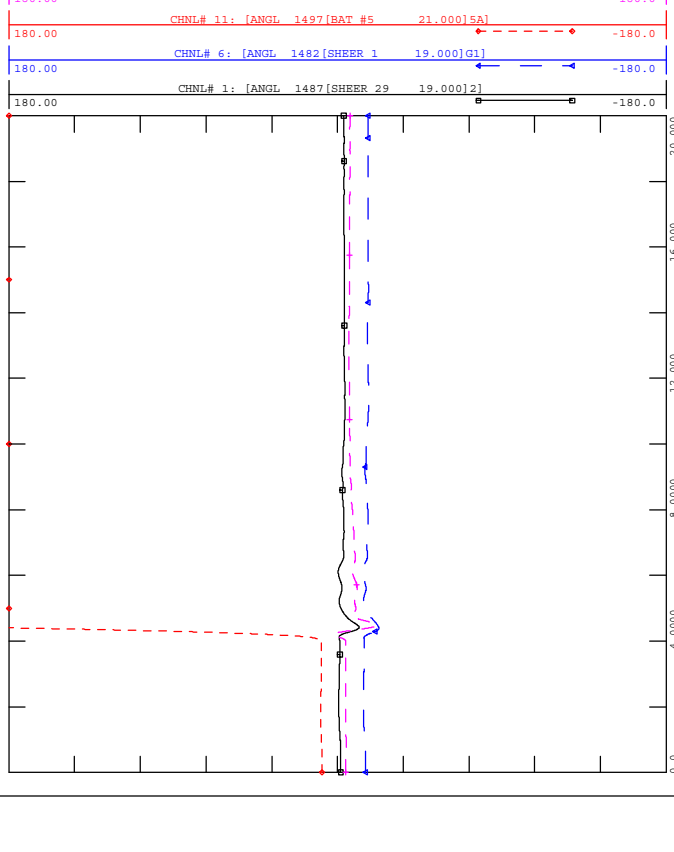
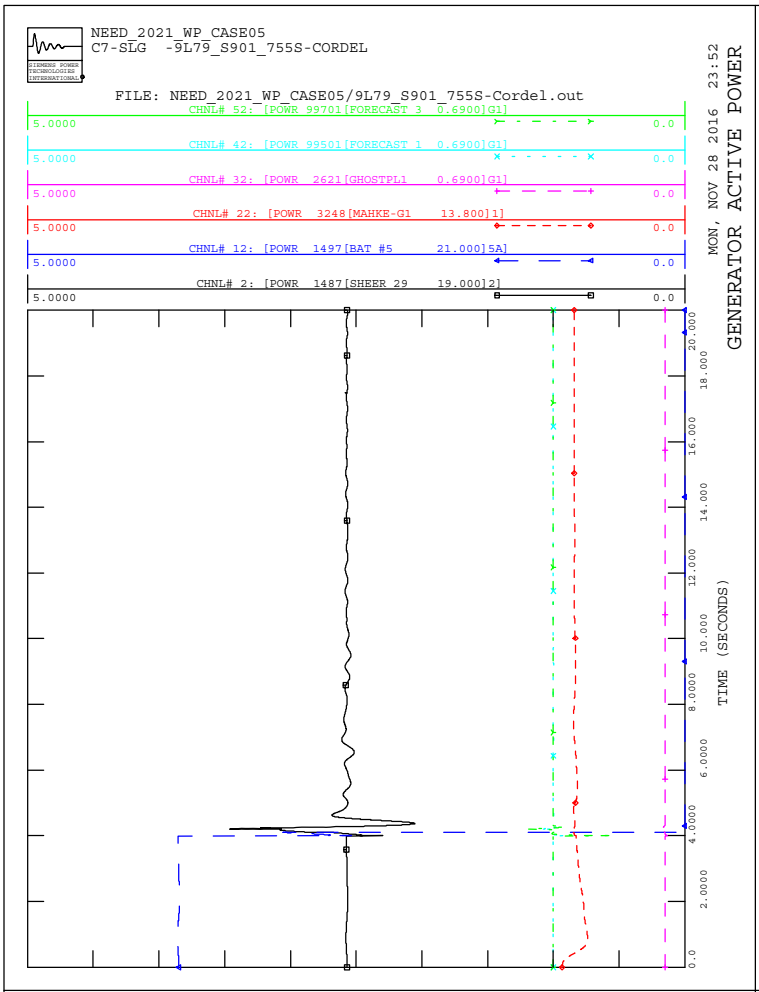
MACHINE ANGEL

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CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER
TIME (SECONDS)
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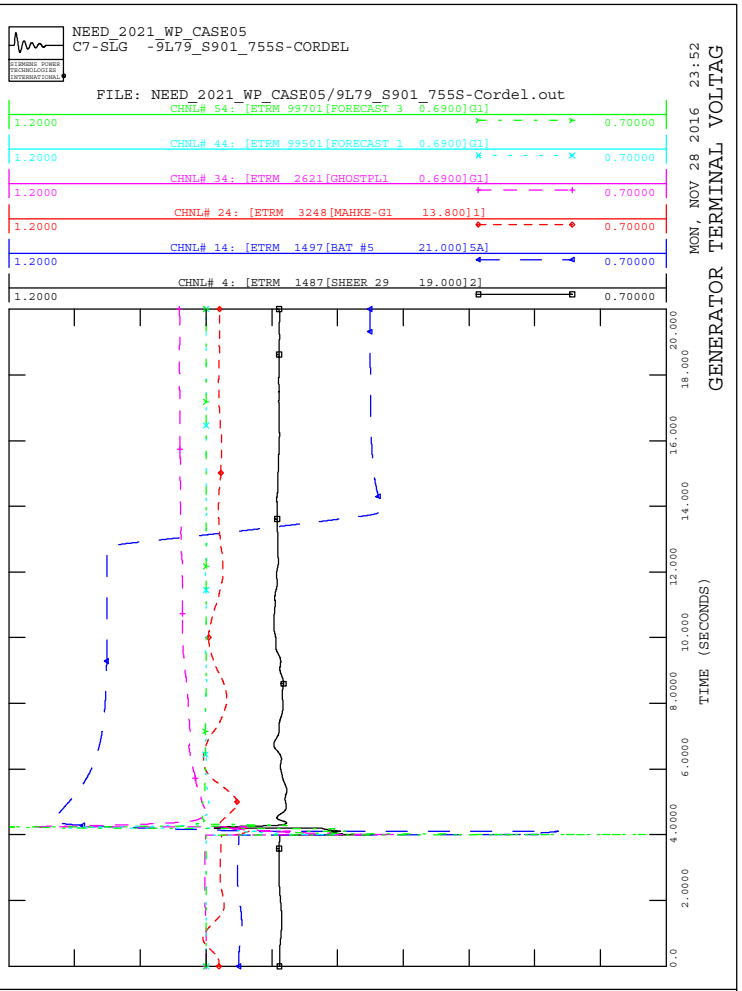
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CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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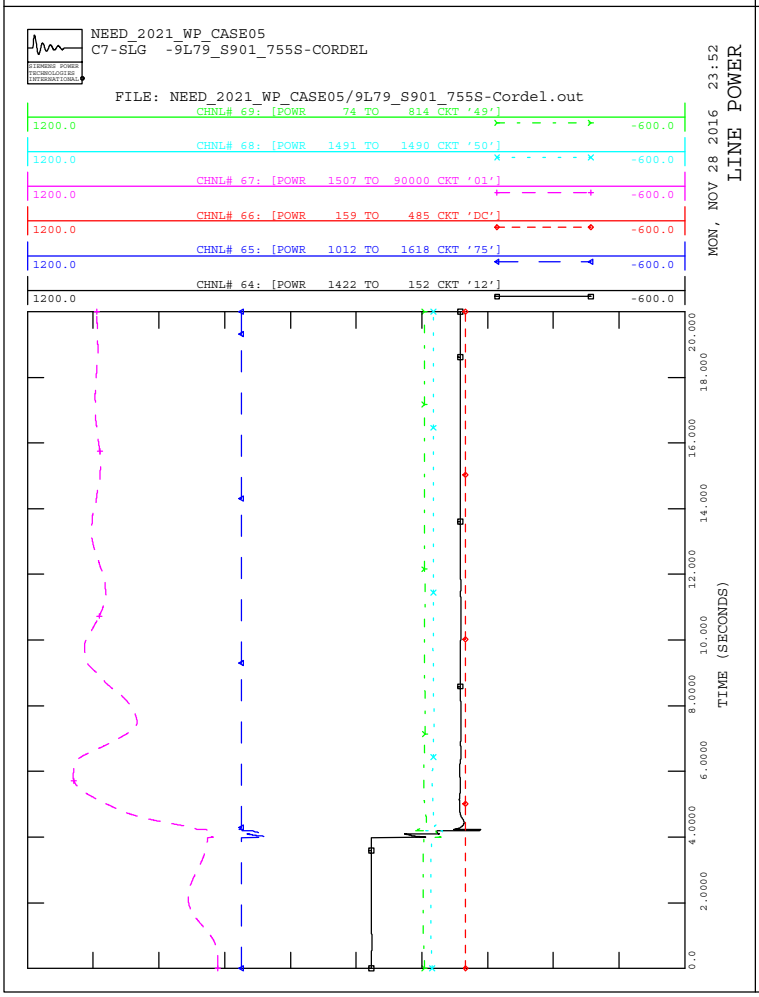
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CHNL# 69: [POWR 74 TO 814 CKT '49']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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MON, NOV 28 2016 23:52
LINE POWER
TIME (SECONDS)
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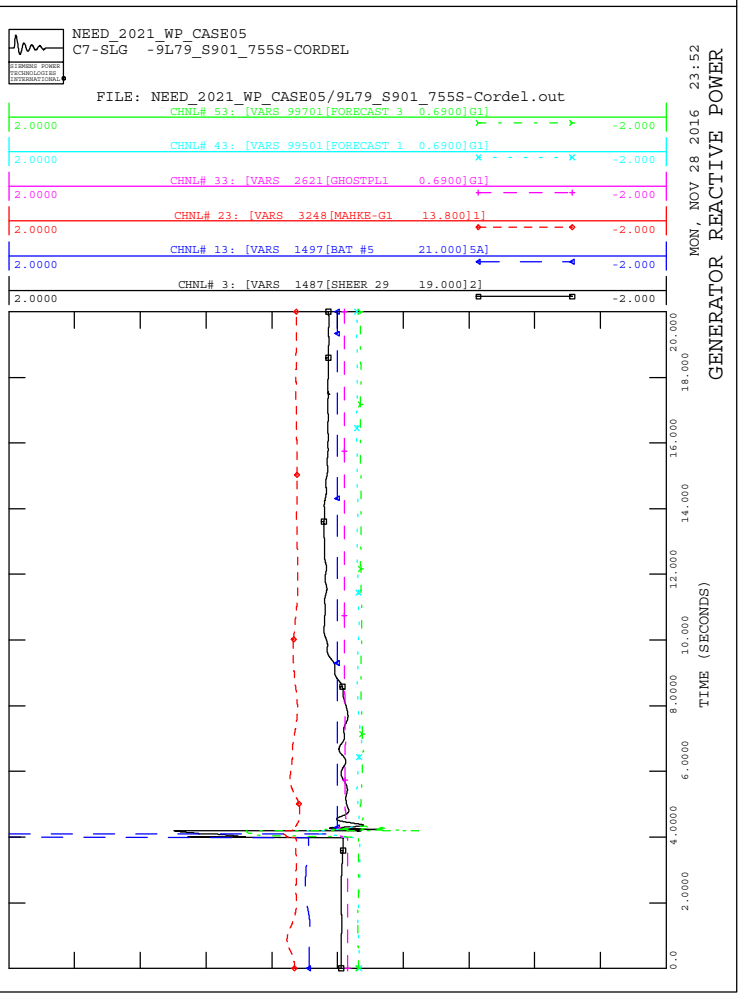
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MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER
TIME (SECONDS)
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NEED_2021_WP_CASE05
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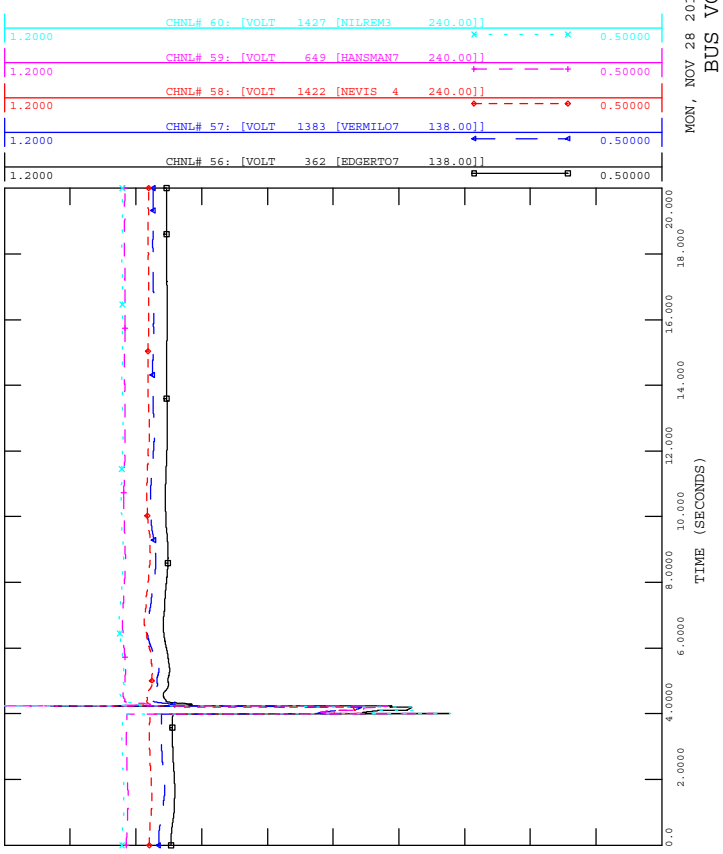

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BUS VOLTAGE

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C7-SLG -9L79_S902_755S-CORDEL

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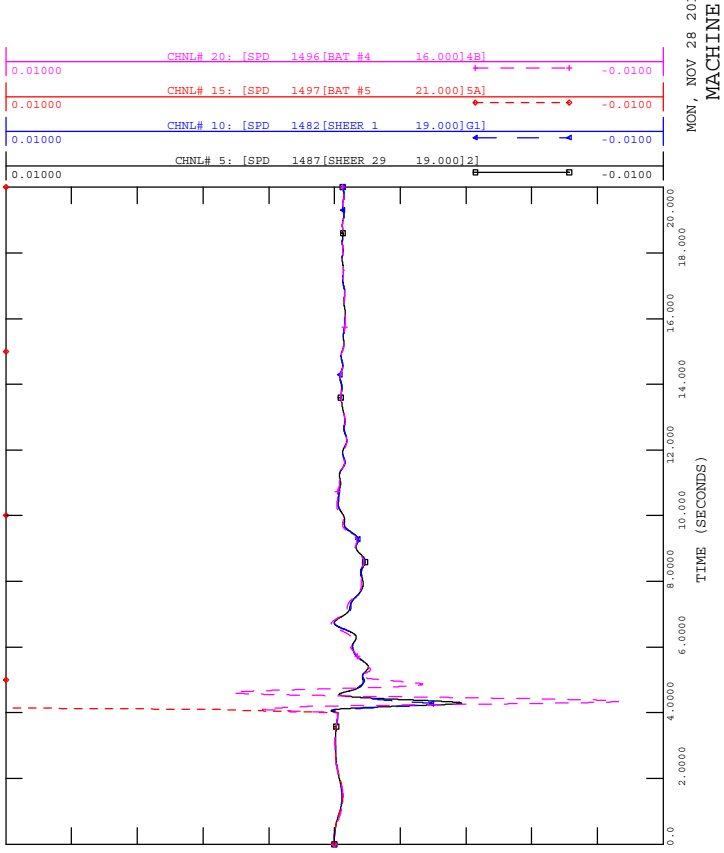

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C7-SLG -9L79_S902_755S-CORDEL

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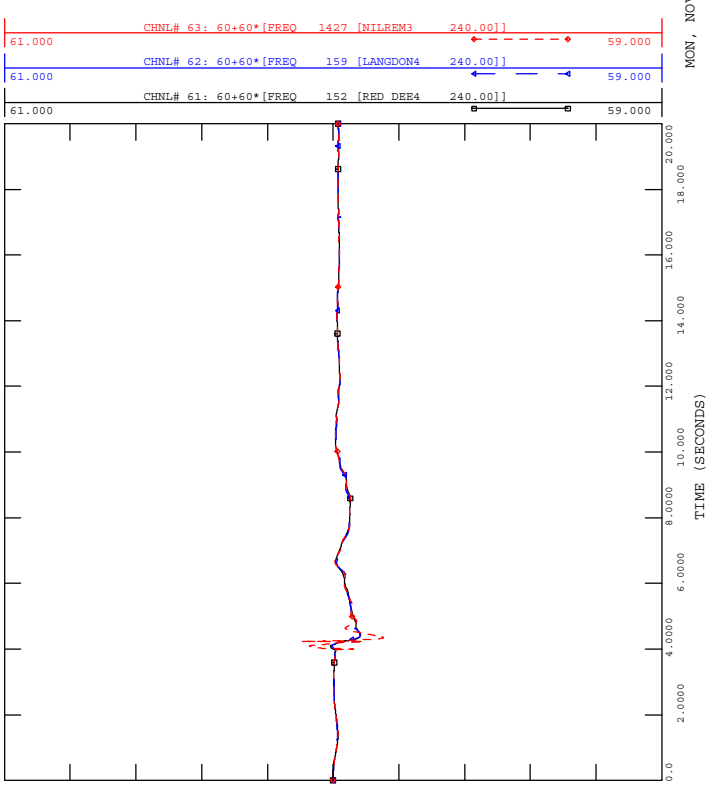

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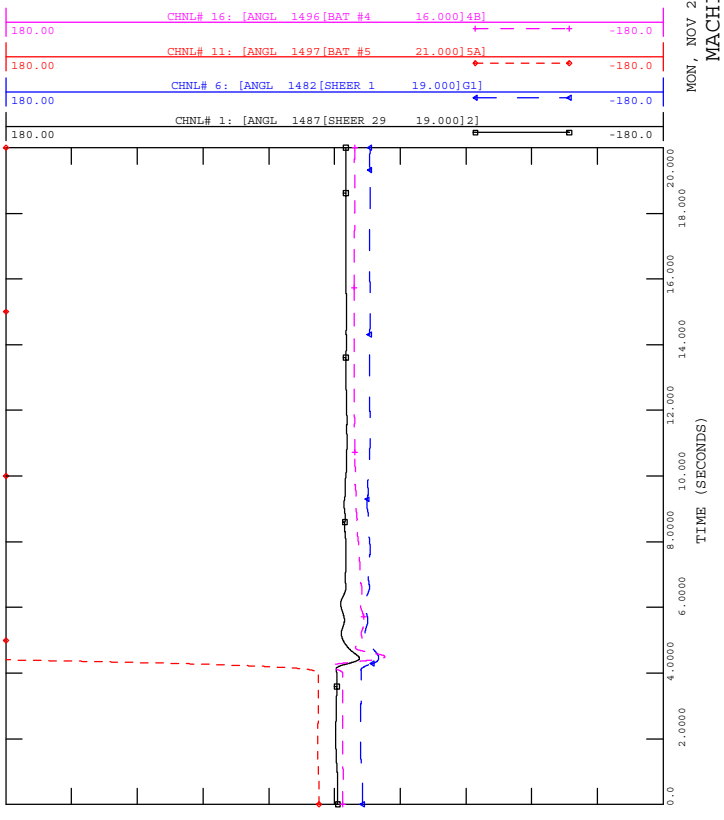

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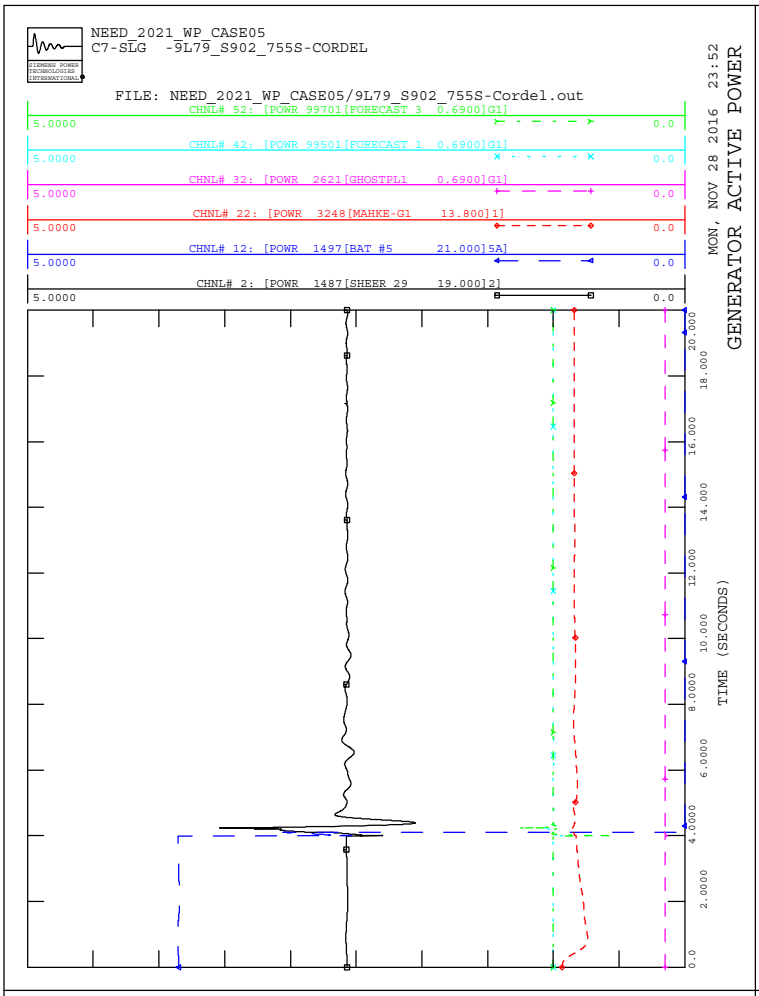
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CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
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MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER
TIME (SECONDS)
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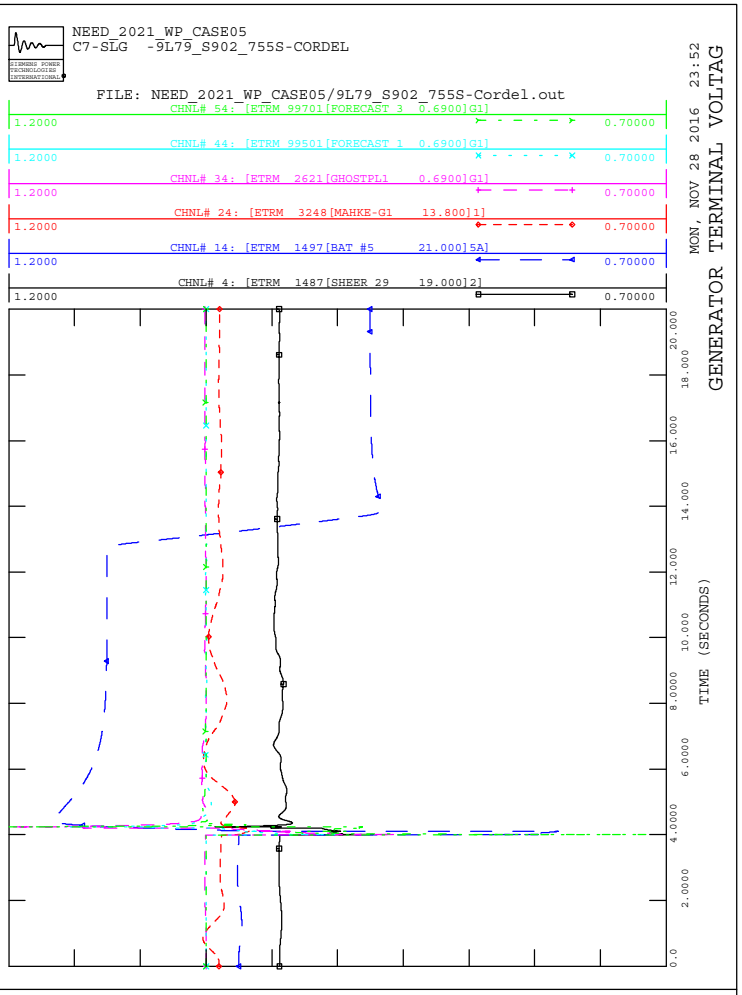
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CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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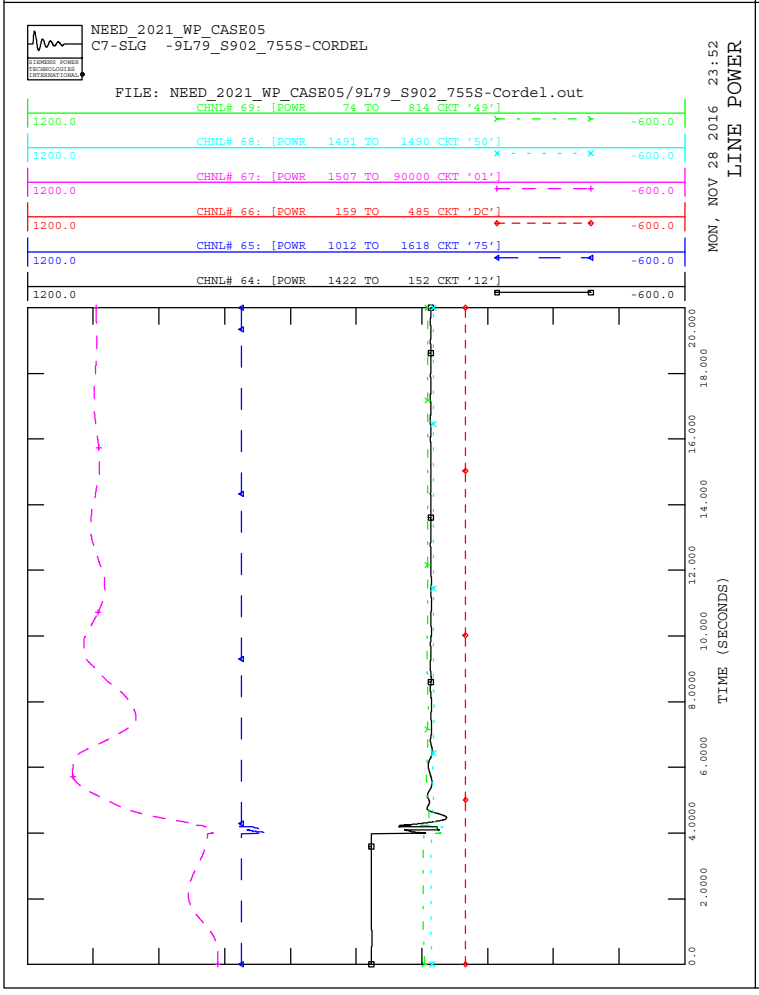
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CHNL# 64: [POWR 1422 TO 152 CKT '12']
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MON, NOV 28 2016 23:52
LINE POWER
TIME (SECONDS)
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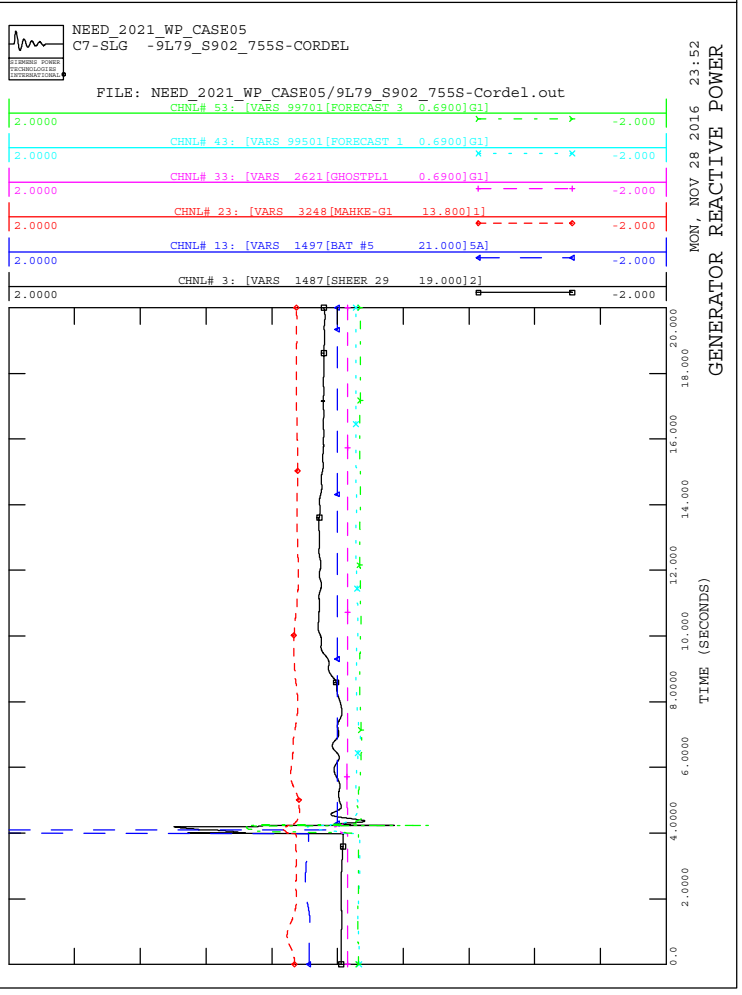
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MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER
TIME (SECONDS)
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NEED_2021_WP_CASE05
C7-SLG -9L80_S903_755S-CORDEL

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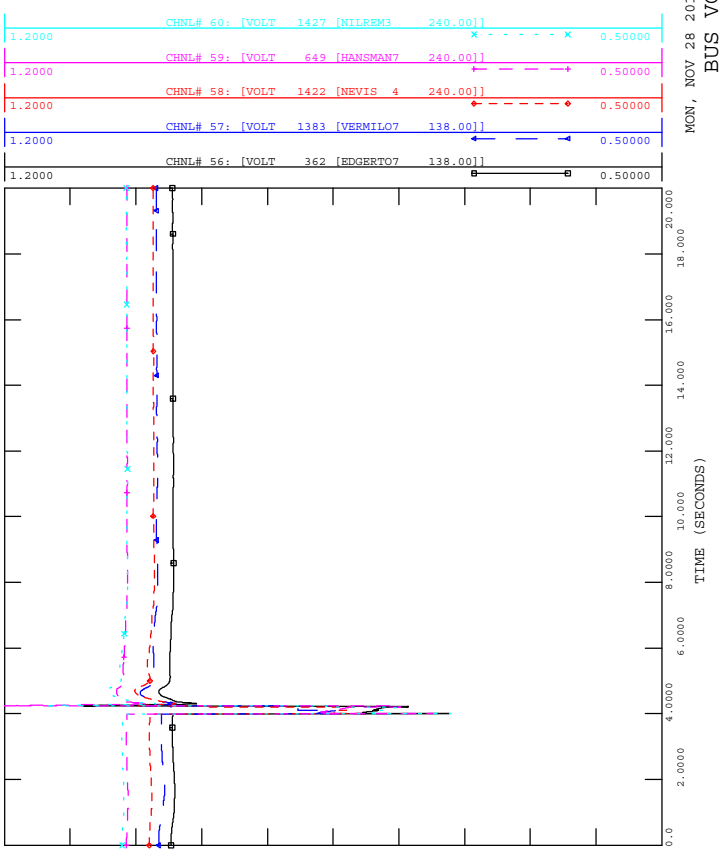
BUS VOLTAGE



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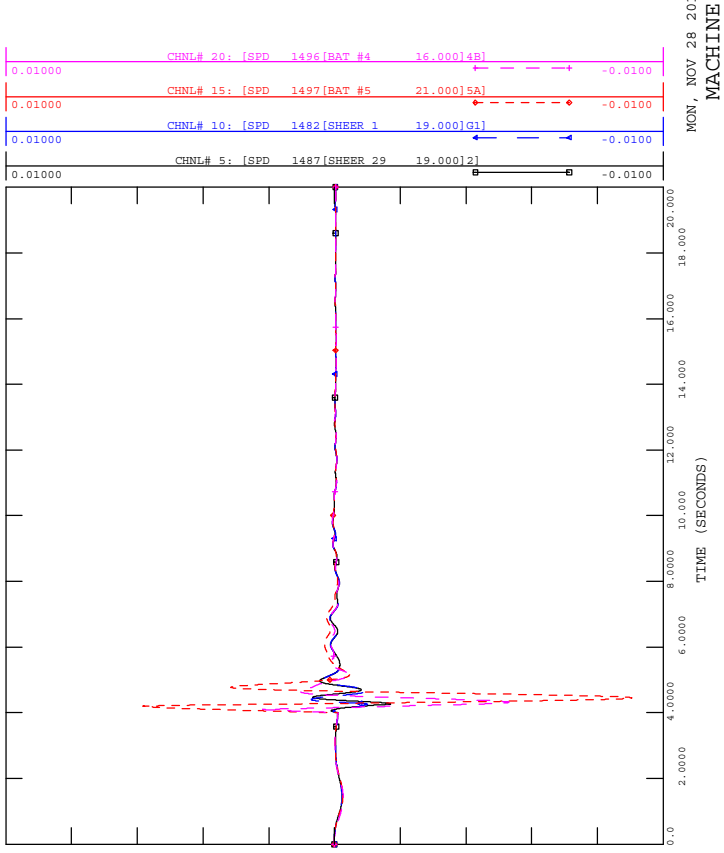
FILE: NEED_2021_WP_CASE05/9L80_S903_755S-Cordel.out

MON, NOV 28 2016 23:52

MACHINE SPEED



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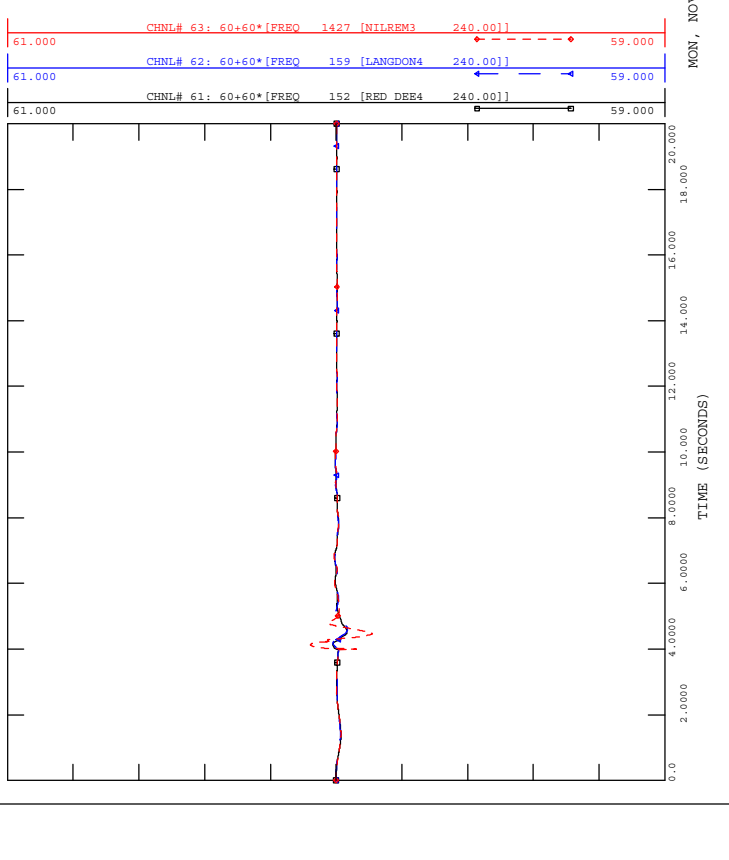

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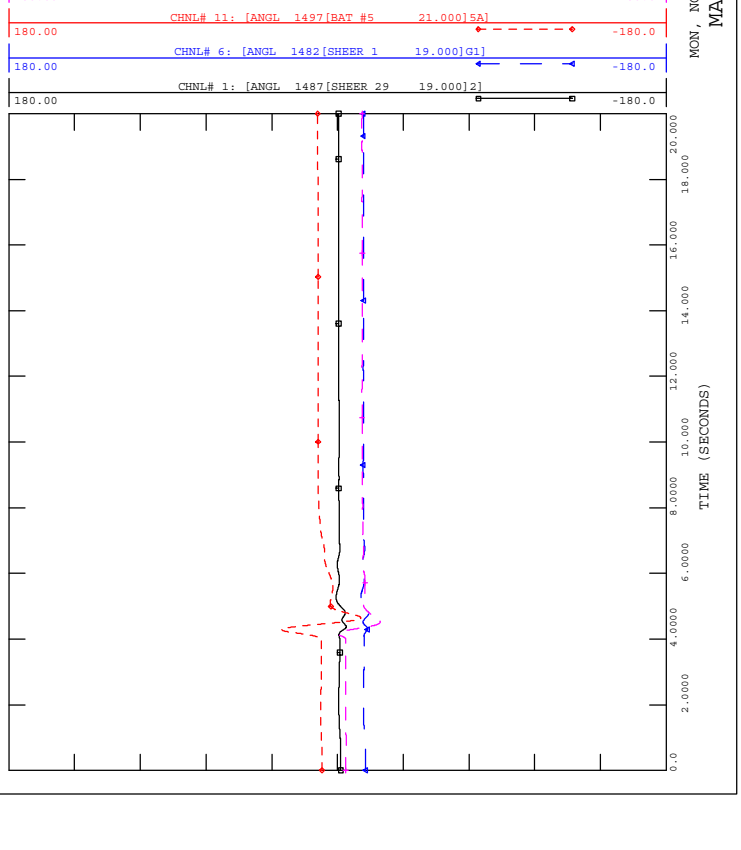
MACHINE ANGEL



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CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

MON, NOV 28 2016 23:52

GENERATOR ACTIVE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -9L80_S903_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L80_S903_755S-Cordel.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

MON, NOV 28 2016 23:52

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -9L80_S903_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L80_S903_755S-Cordel.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

MON, NOV 28 2016 23:52

LINE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -9L80_S903_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L80_S903_755S-Cordel.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

MON, NOV 28 2016 23:52

GENERATOR REACTIVE POWER

TIME (SECONDS)

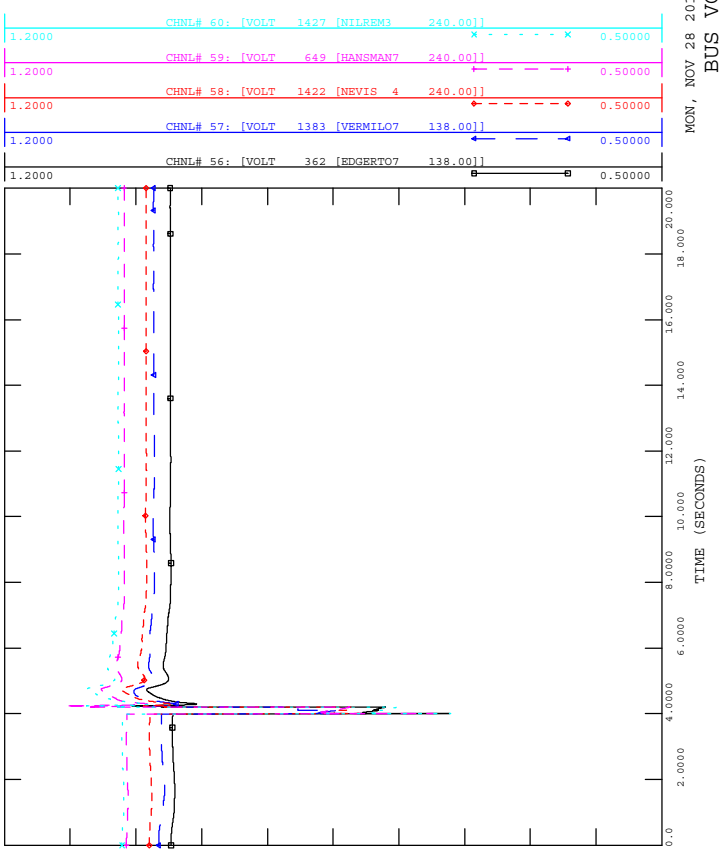
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -9L80_S904_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L80_S904_755S-Cordel.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

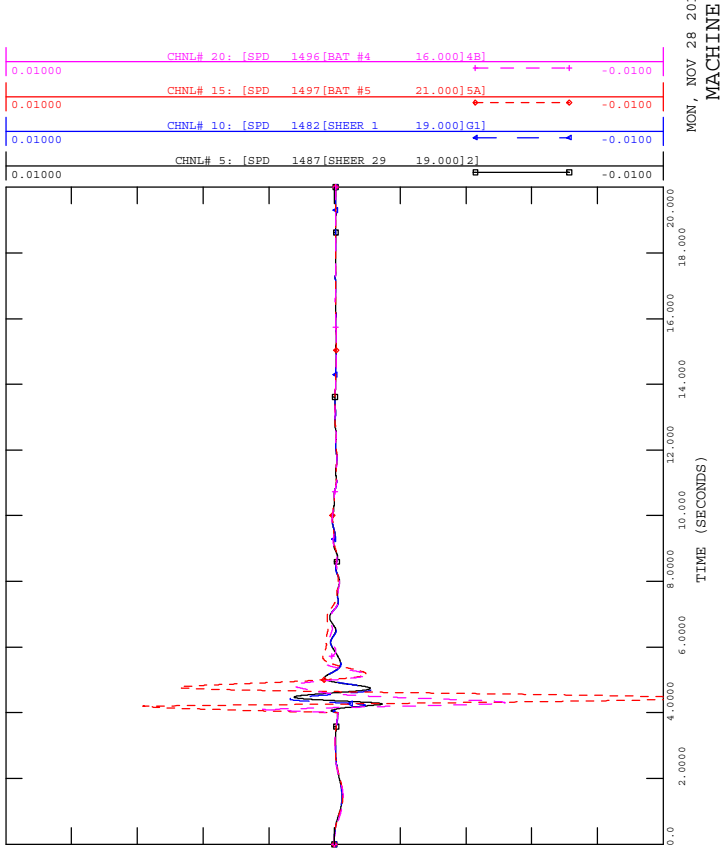


NEED_2021_WP_CASE05
C7-SLG -9L80_S904_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L80_S904_755S-Cordel.out

MON, NOV 28 2016 23:52

MACHINE SPEED

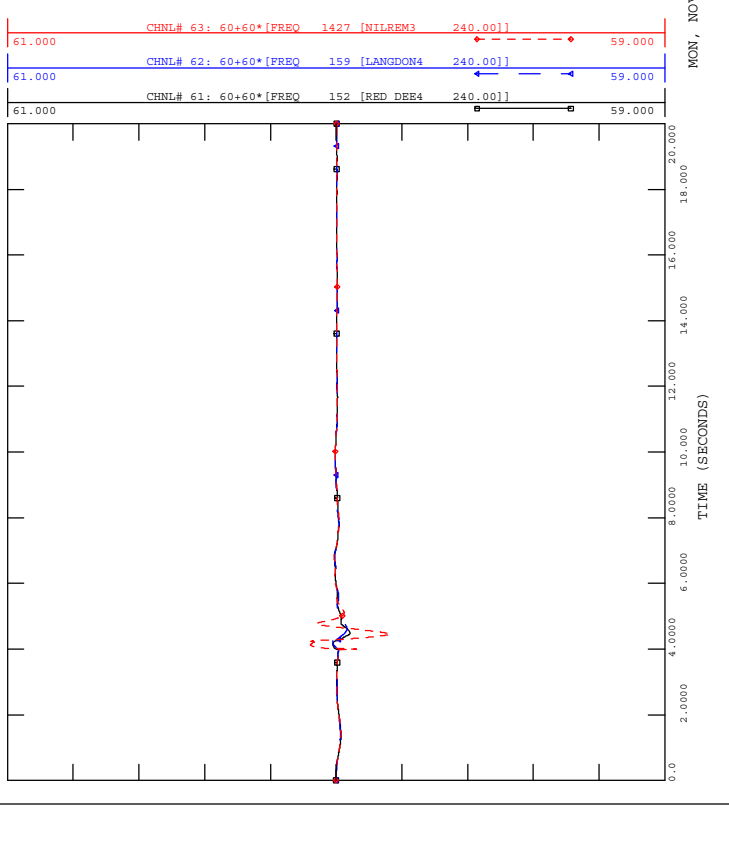


NEED_2021_WP_CASE05
C7-SLG -9L80_S904_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L80_S904_755S-Cordel.out

MON, NOV 28 2016 23:52

FREQUENCY

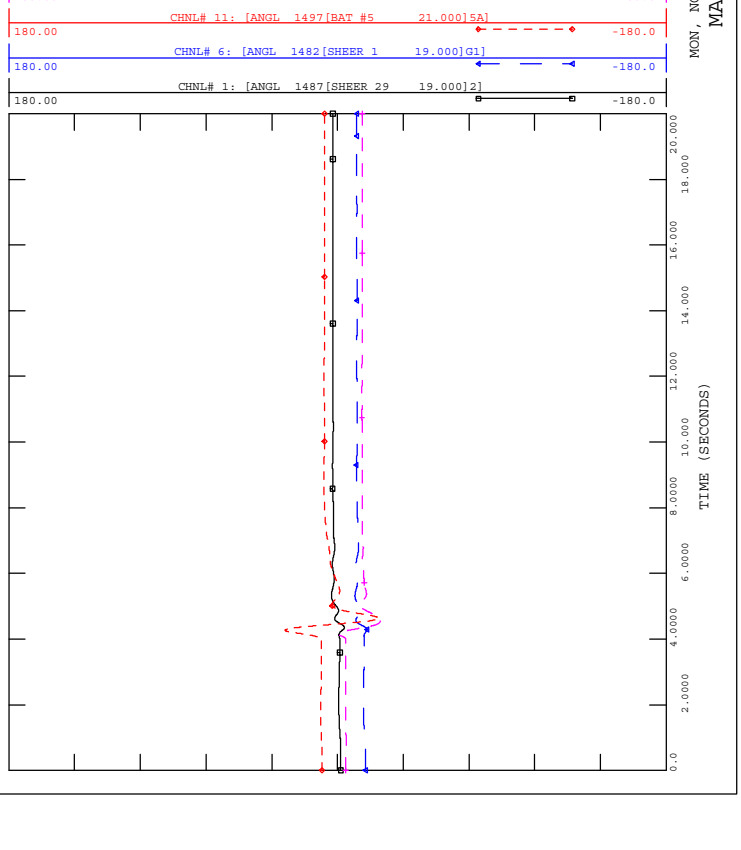


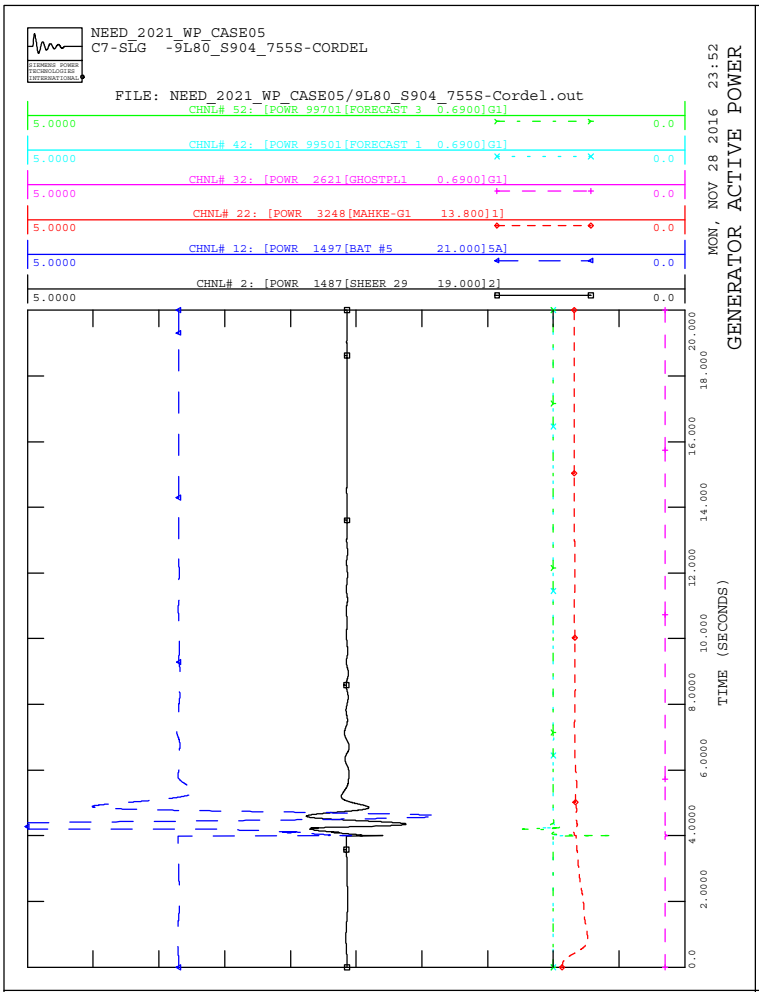
NEED_2021_WP_CASE05
C7-SLG -9L80_S904_755S-CORDEL

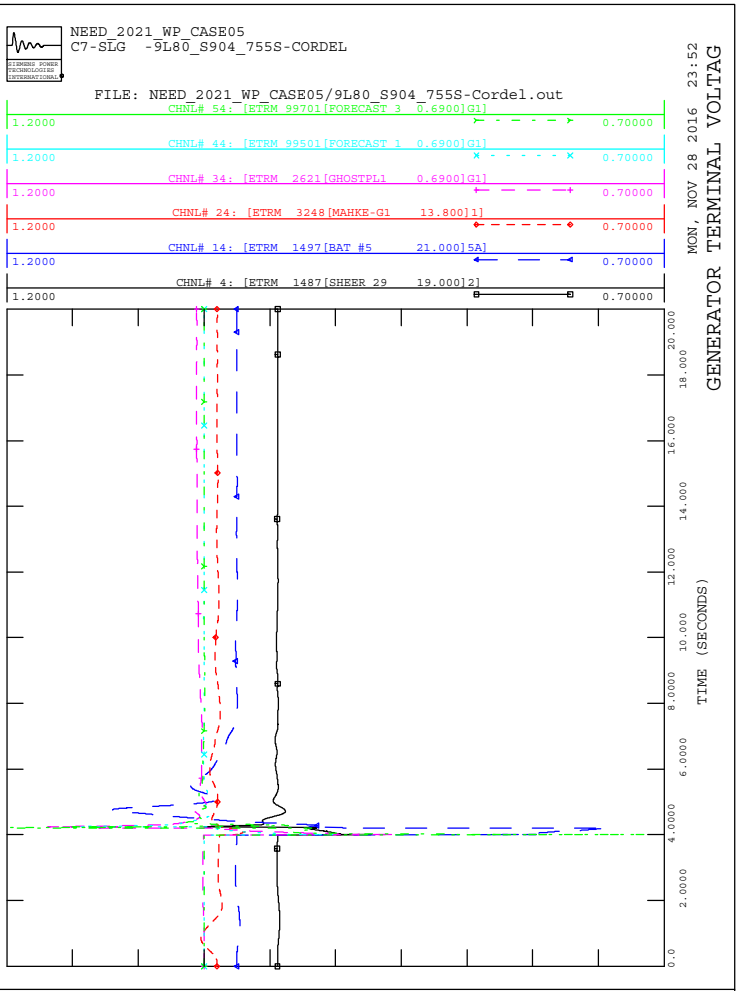
FILE: NEED_2021_WP_CASE05/9L80_S904_755S-Cordel.out

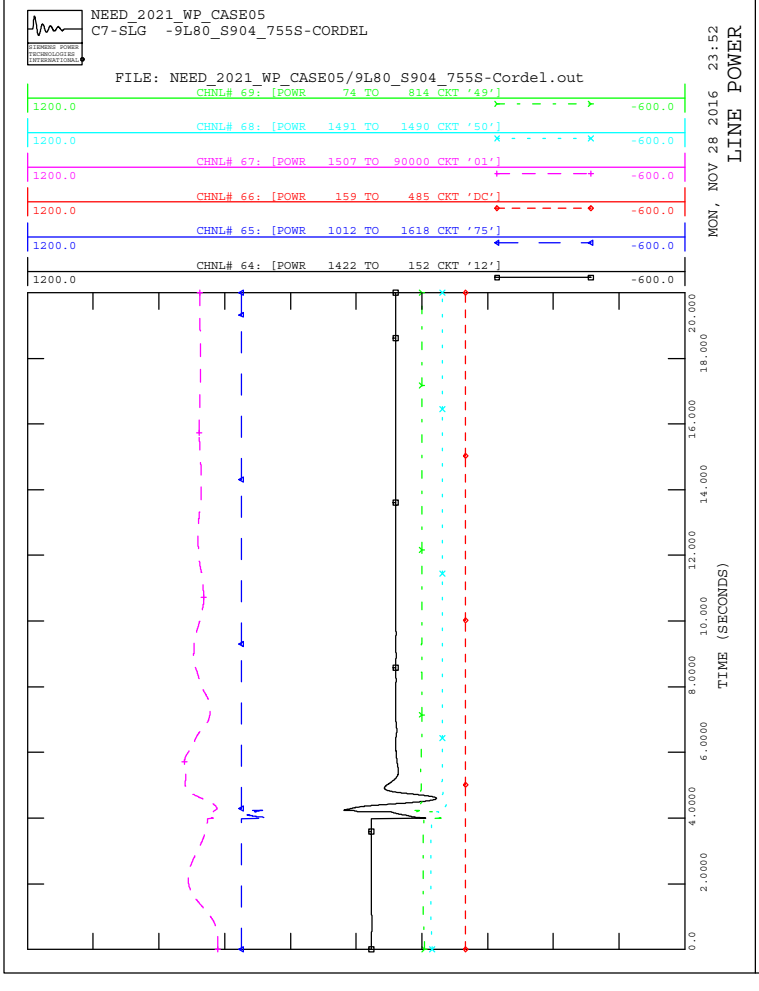
MON, NOV 28 2016 23:52

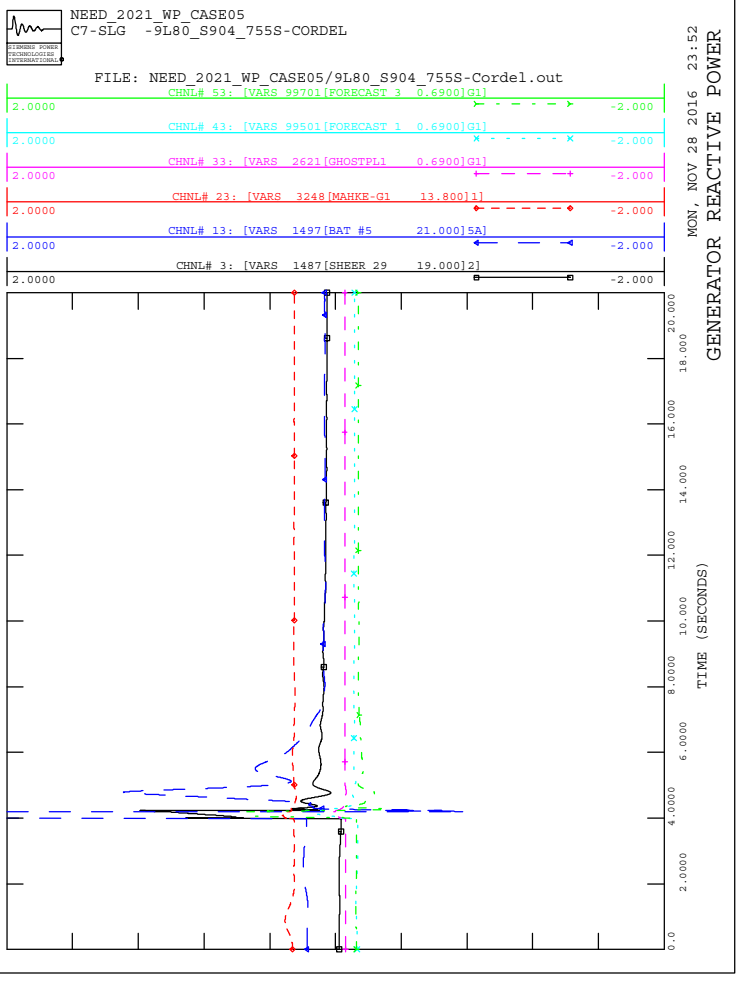
MACHINE ANGEL




NEED_2021_WP_CASE05
C7-SLG -9L80_S904_755S-CORDEL
FILE: NEED_2021_WP_CASE05/9L80_S904_755S-Cordel.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C7-SLG -9L80_S904_755S-CORDEL
FILE: NEED_2021_WP_CASE05/9L80_S904_755S-Cordel.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C7-SLG -9L80_S904_755S-CORDEL
FILE: NEED_2021_WP_CASE05/9L80_S904_755S-Cordel.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:52
LINE POWER

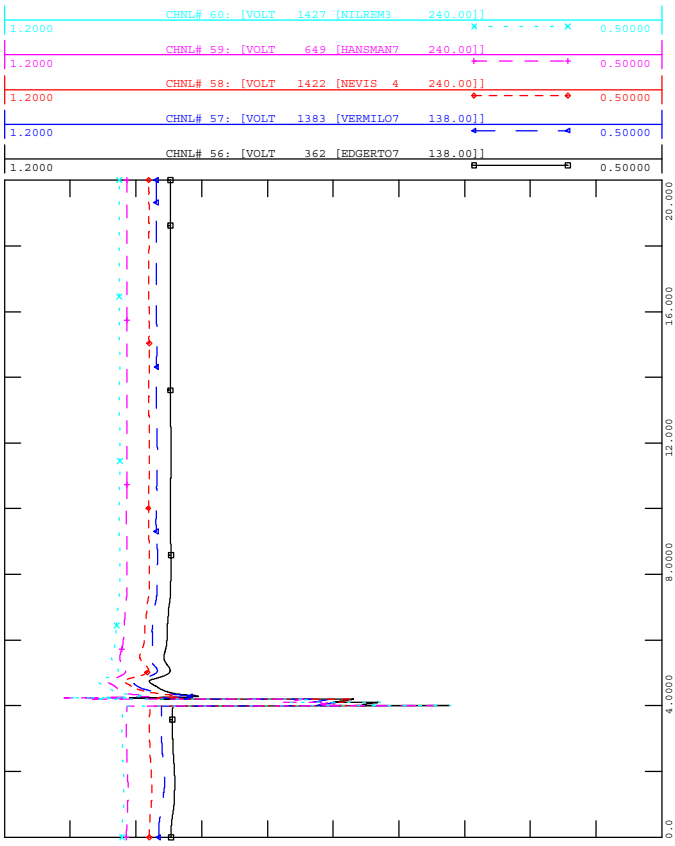

NEED_2021_WP_CASE05
C7-SLG -9L80_S904_755S-CORDEL
FILE: NEED_2021_WP_CASE05/9L80_S904_755S-Cordel.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L953_S905_755S-Cordel.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

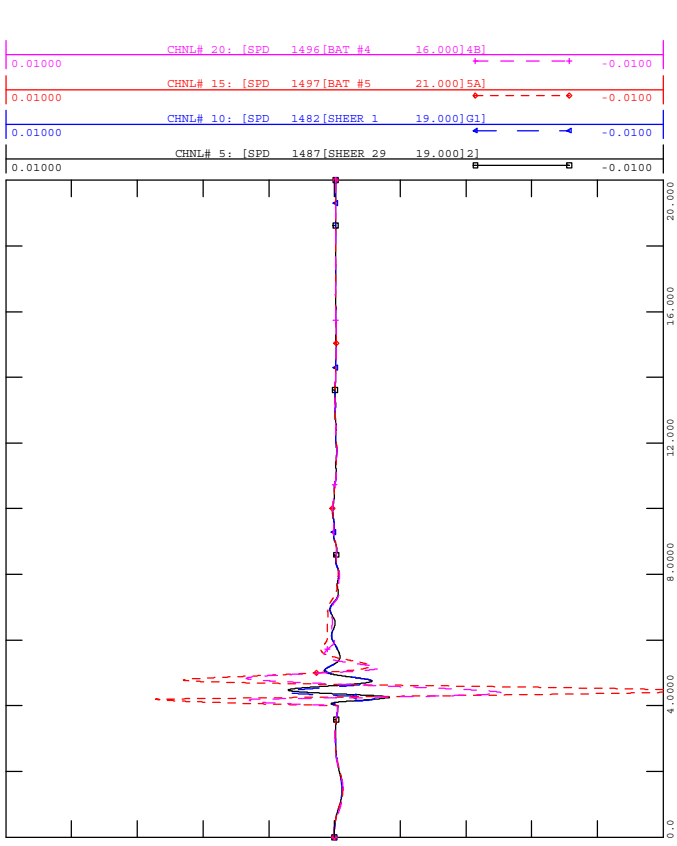


NEED_2021_WP_CASE05
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L953_S905_755S-Cordel.out

MON, NOV 28 2016 23:52

MACHINE SPEED

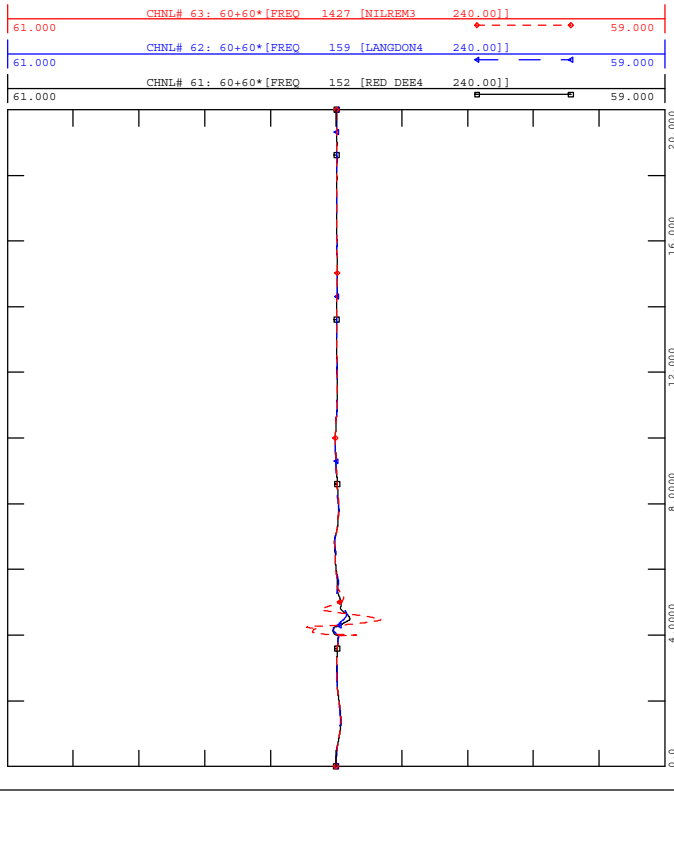


NEED_2021_WP_CASE05
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L953_S905_755S-Cordel.out

MON, NOV 28 2016 23:52

FREQUENCY

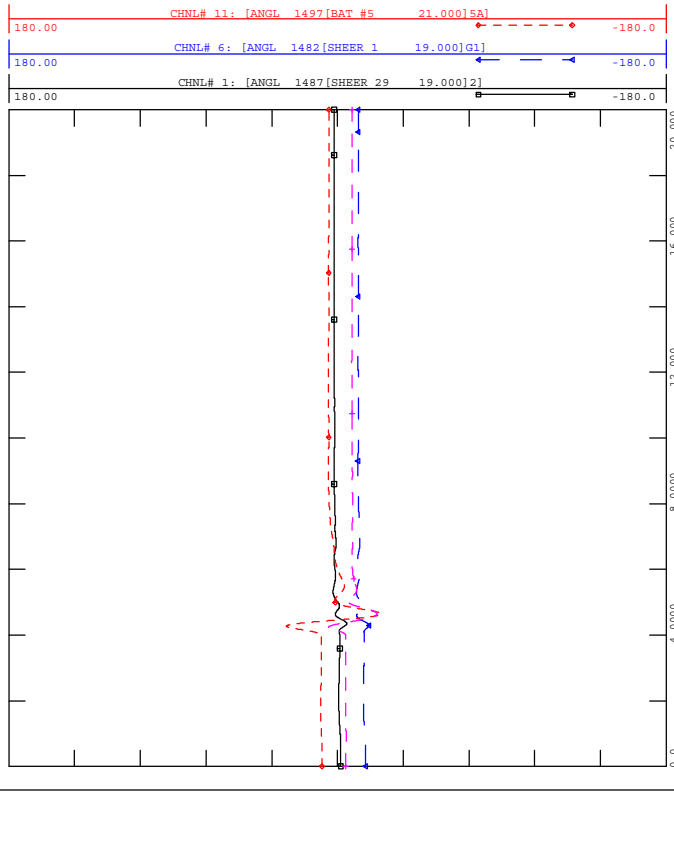


NEED_2021_WP_CASE05
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L953_S905_755S-Cordel.out

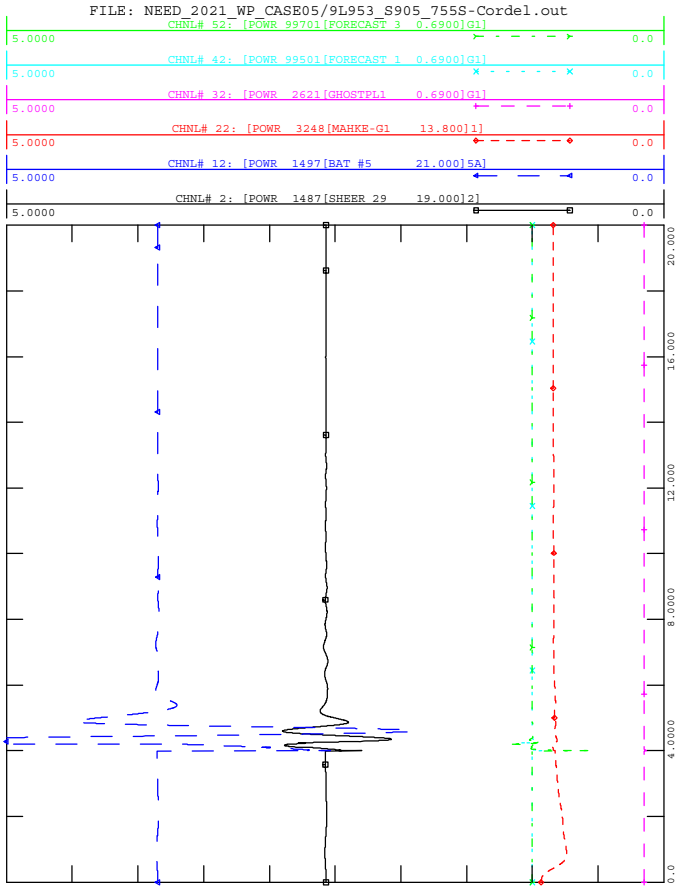
MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -9L953_S905_755S-CORDEL

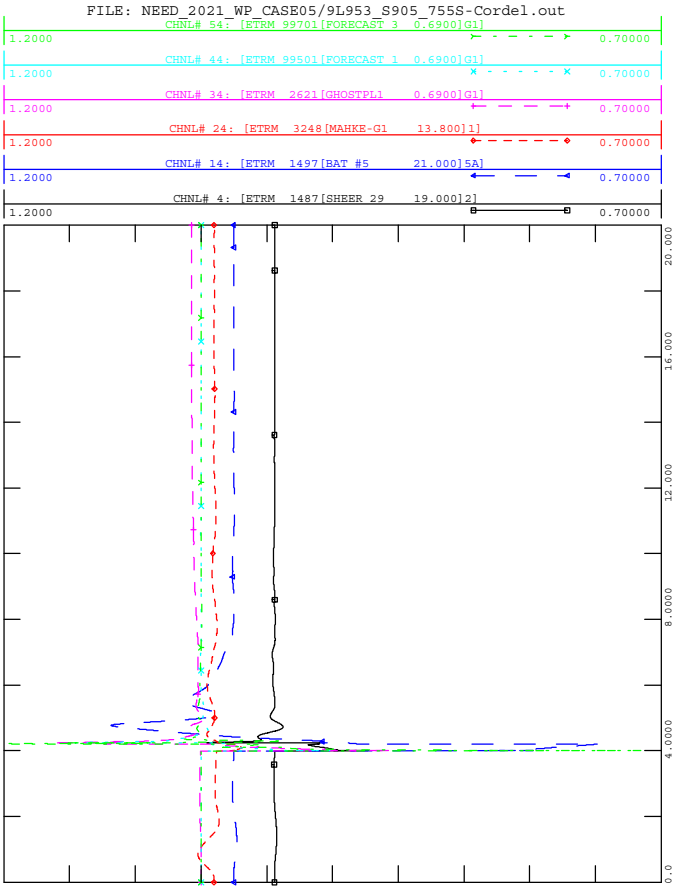
FILE: NEED_2021_WP_CASE05/9L953_S905_755S-Cordel.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L953_S905_755S-CORDEL

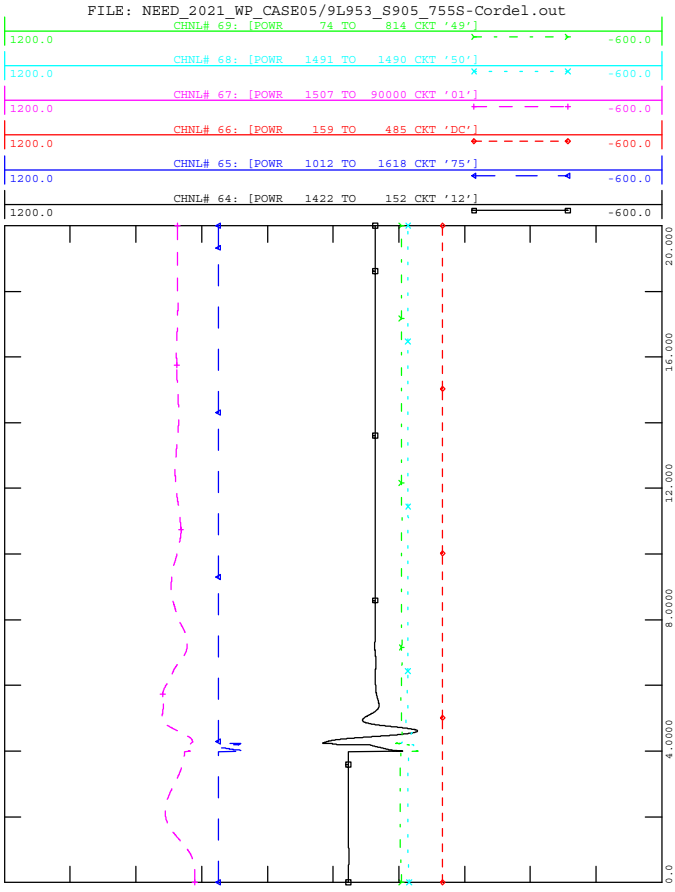
FILE: NEED_2021_WP_CASE05/9L953_S905_755S-Cordel.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -9L953_S905_755S-CORDEL

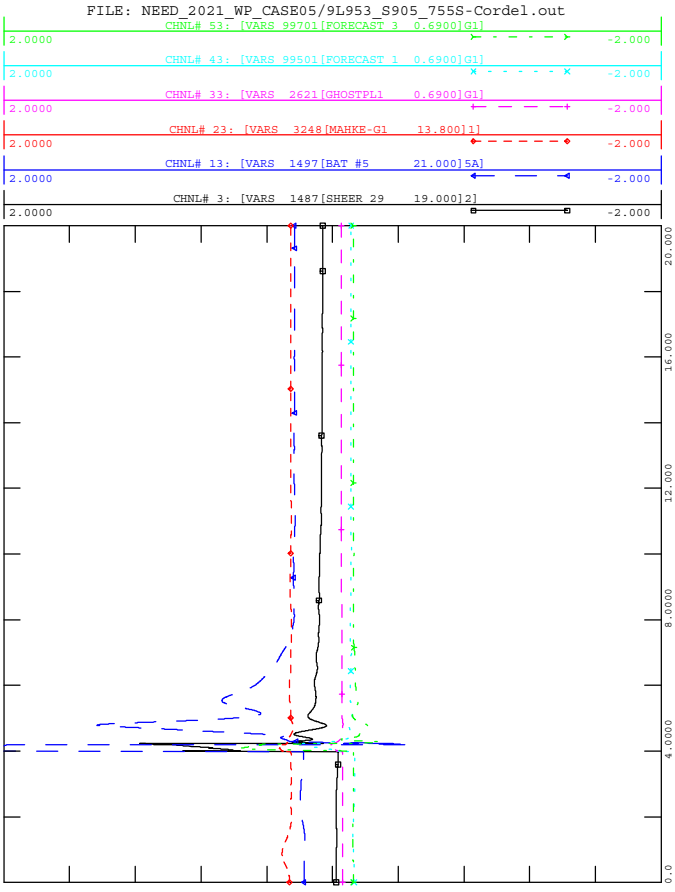
FILE: NEED_2021_WP_CASE05/9L953_S905_755S-Cordel.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -9L953_S905_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L953_S905_755S-Cordel.out



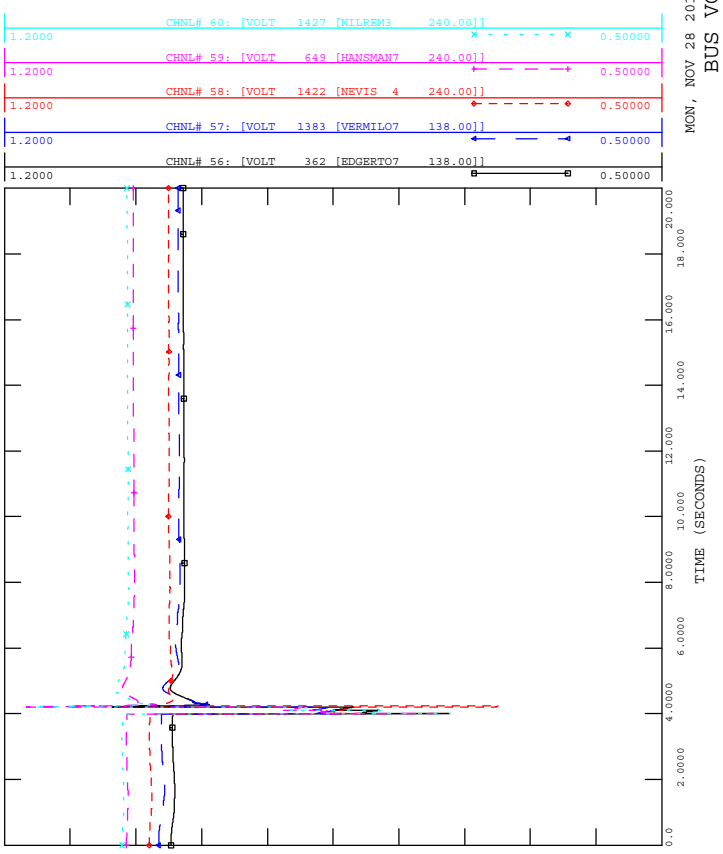
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L953_S906_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L953_S906_755S-Cordel.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

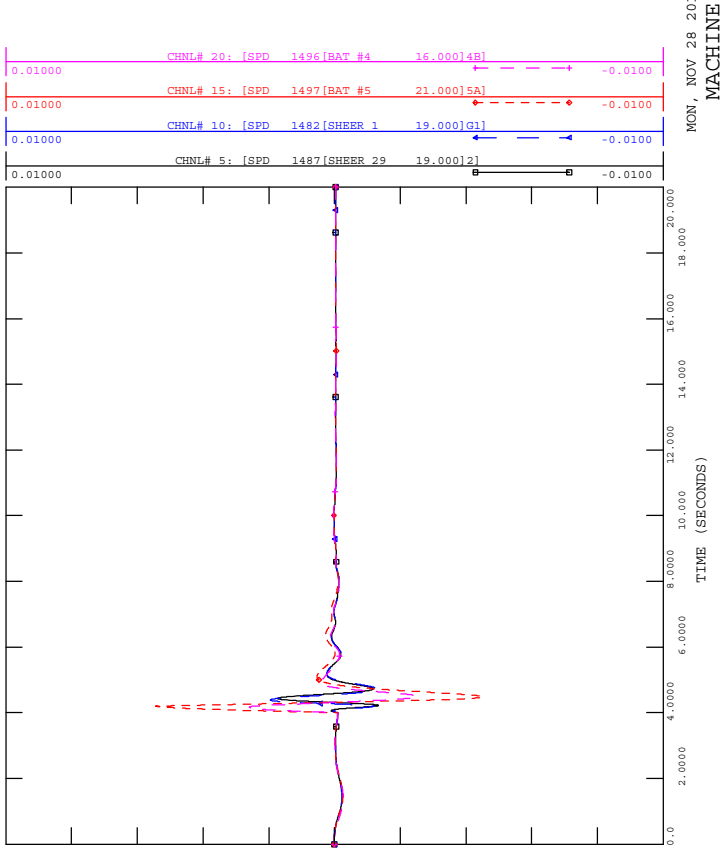


NEED_2021_WP_CASE05
C7-SLG -9L953_S906_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L953_S906_755S-Cordel.out

MON, NOV 28 2016 23:52

MACHINE SPEED

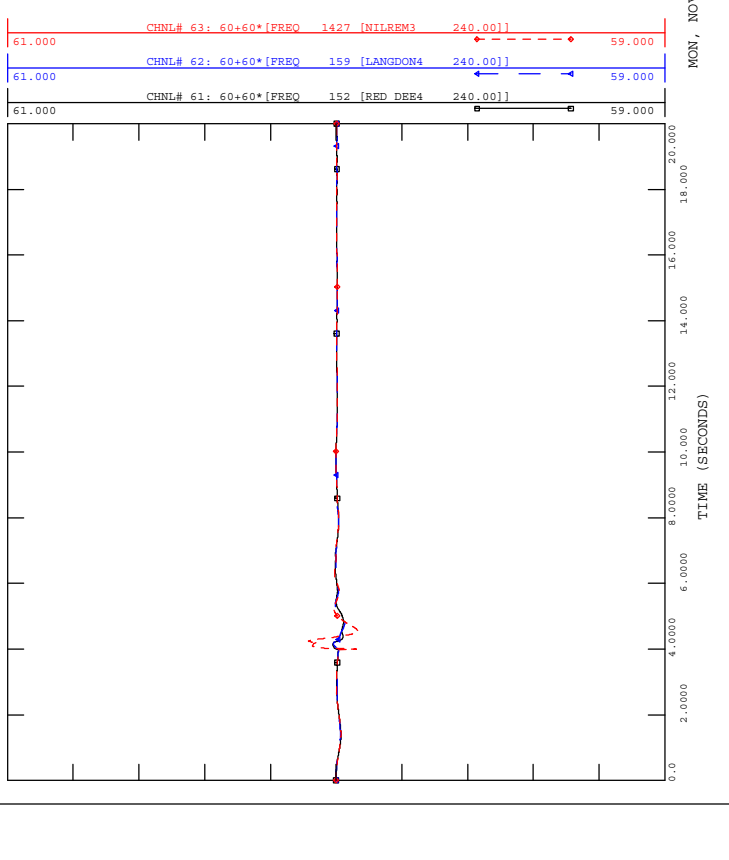


NEED_2021_WP_CASE05
C7-SLG -9L953_S906_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L953_S906_755S-Cordel.out

MON, NOV 28 2016 23:52

FREQUENCY

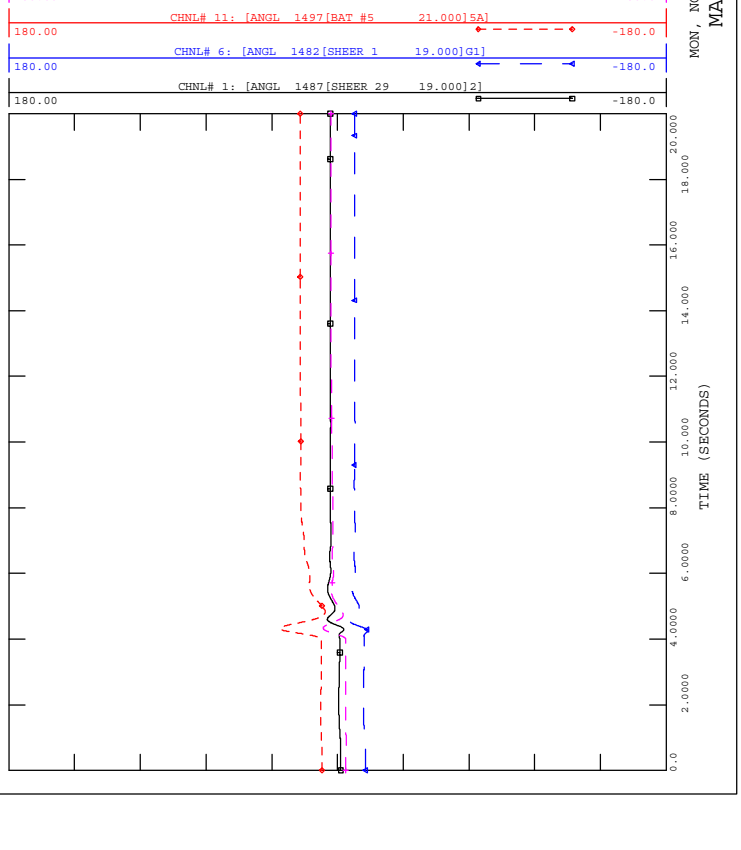


NEED_2021_WP_CASE05
C7-SLG -9L953_S906_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L953_S906_755S-Cordel.out

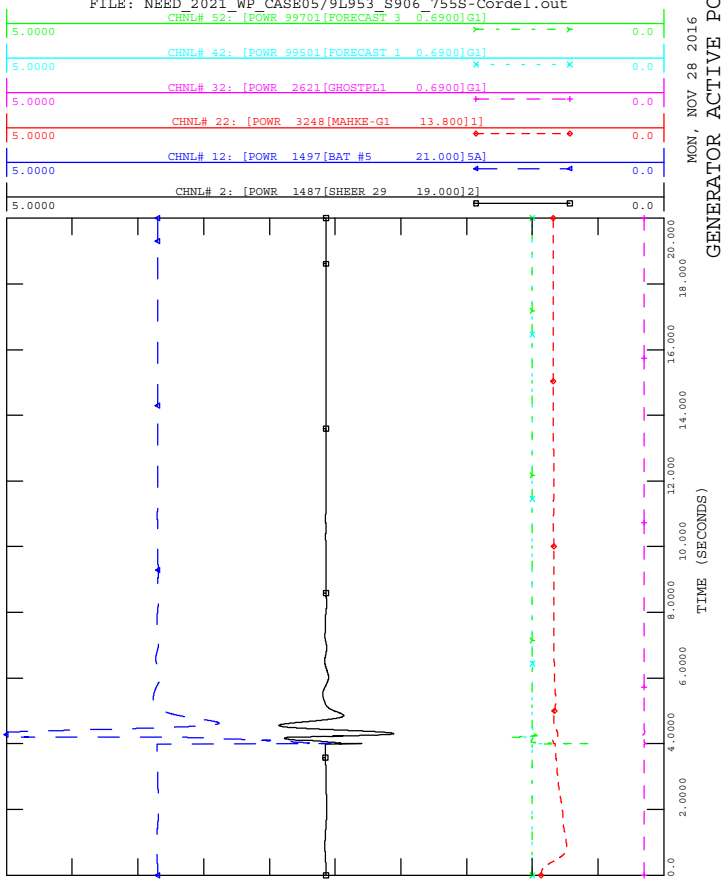
MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -9L953_S906_755S-CORDEL

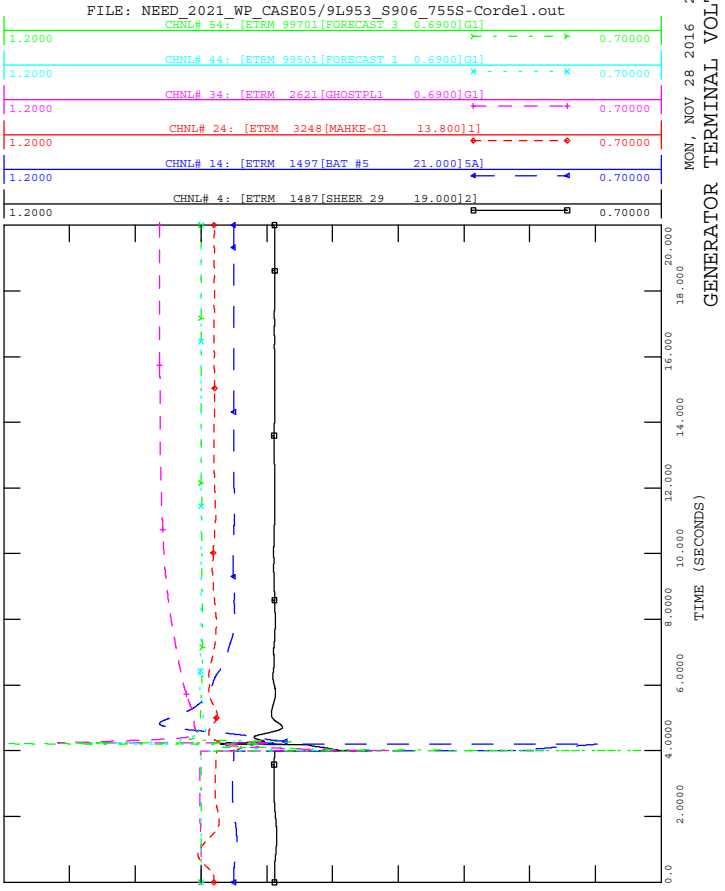
FILE: NEED_2021_WP_CASE05/9L953_S906_755S-Cordel.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L953_S906_755S-CORDEL

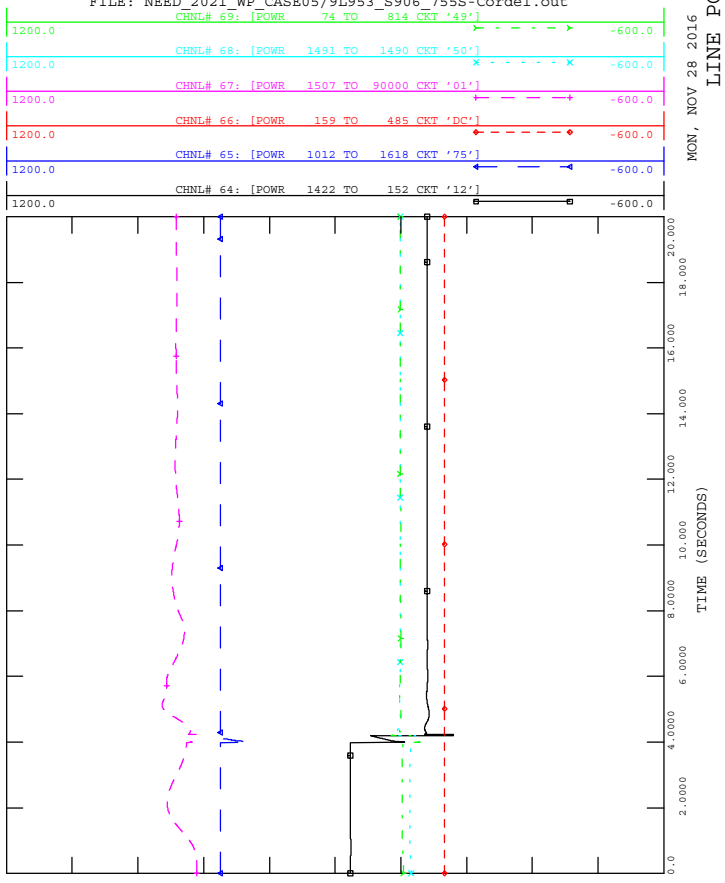
FILE: NEED_2021_WP_CASE05/9L953_S906_755S-Cordel.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -9L953_S906_755S-CORDEL

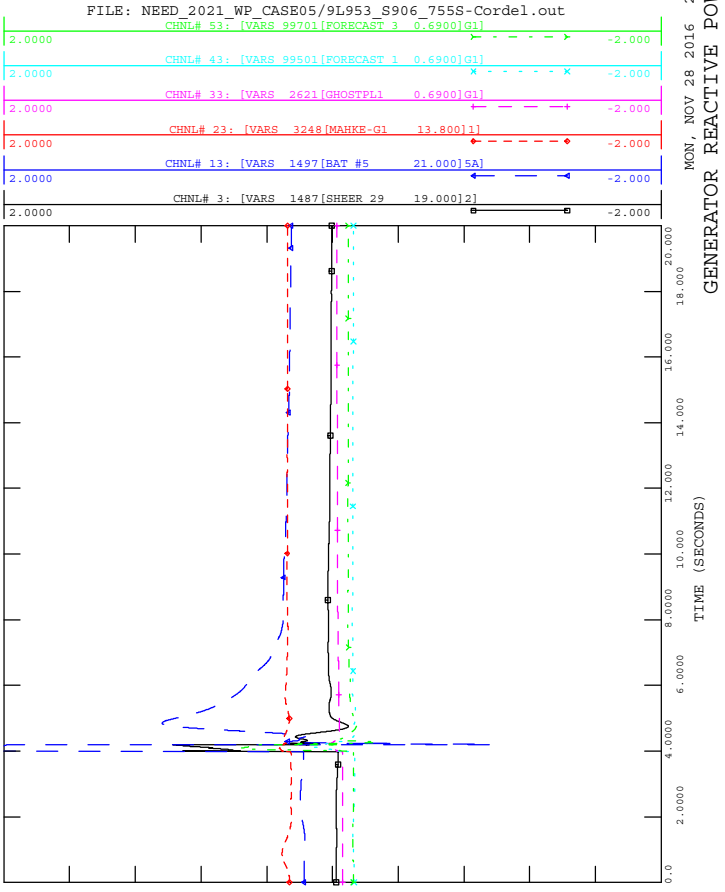
FILE: NEED_2021_WP_CASE05/9L953_S906_755S-Cordel.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -9L953_S906_755S-CORDEL

FILE: NEED_2021_WP_CASE05/9L953_S906_755S-Cordel.out



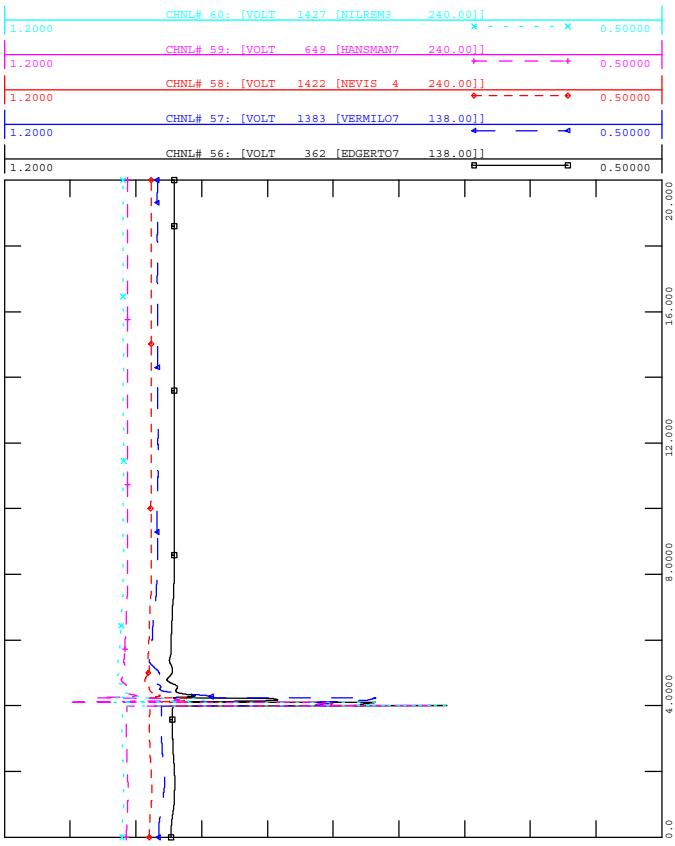
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/9L80_S912_757S-Battle River.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

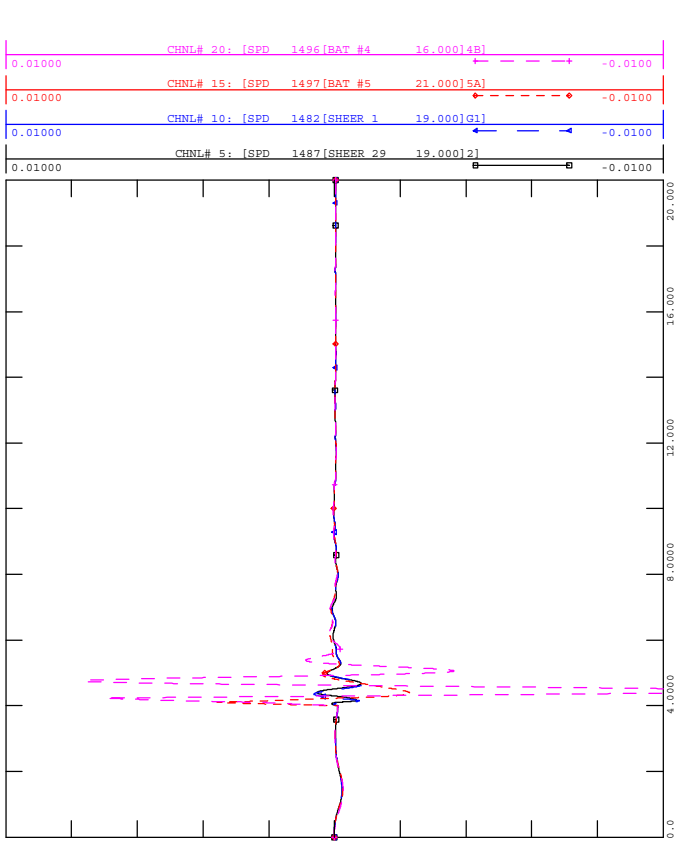


NEED_2021_WP_CASE05
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/9L80_S912_757S-Battle River.out

MON, NOV 28 2016 23:52

MACHINE SPEED

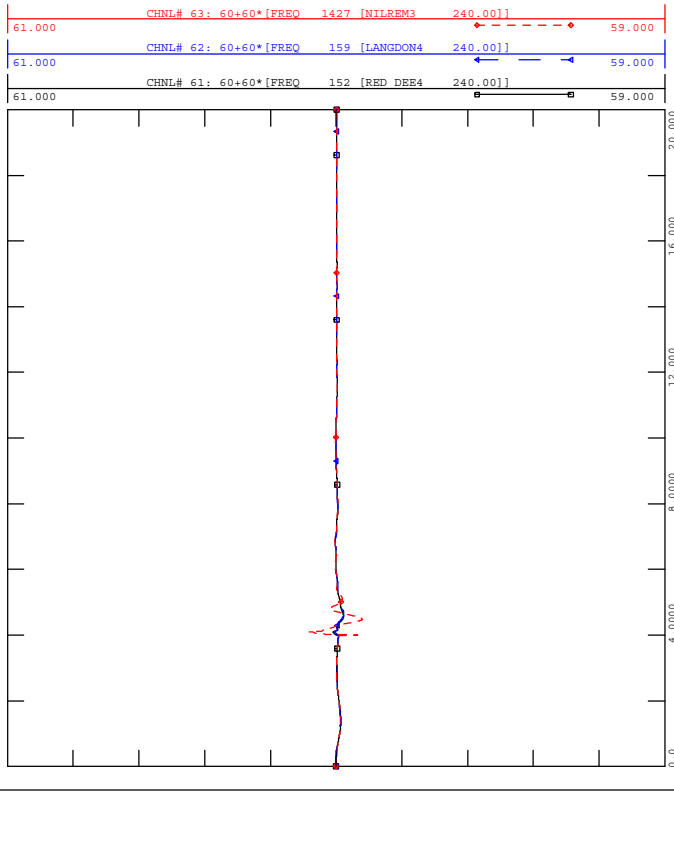


NEED_2021_WP_CASE05
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/9L80_S912_757S-Battle River.out

MON, NOV 28 2016 23:52

FREQUENCY

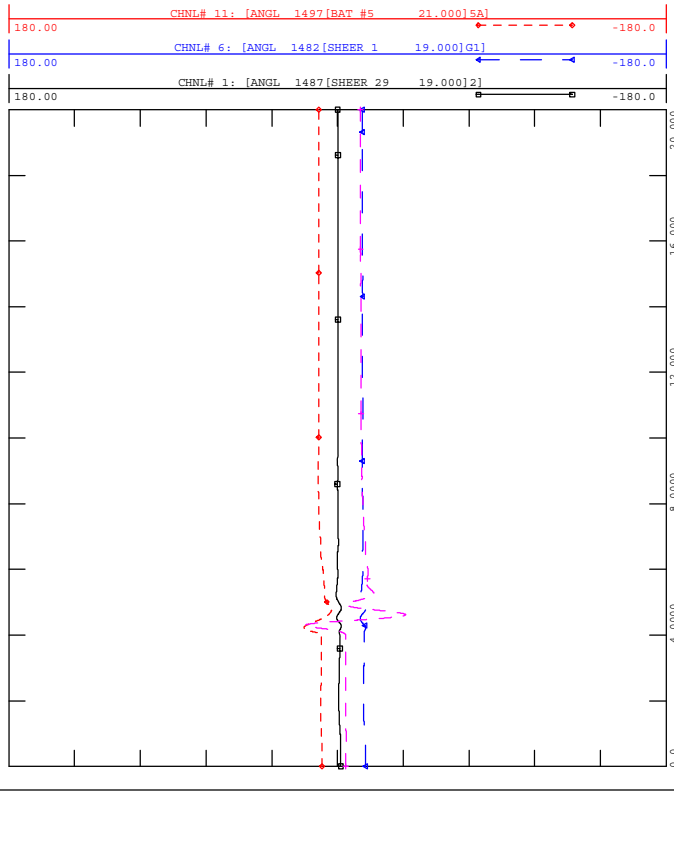


NEED_2021_WP_CASE05
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/9L80_S912_757S-Battle River.out

MON, NOV 28 2016 23:52

MACHINE ANGEL

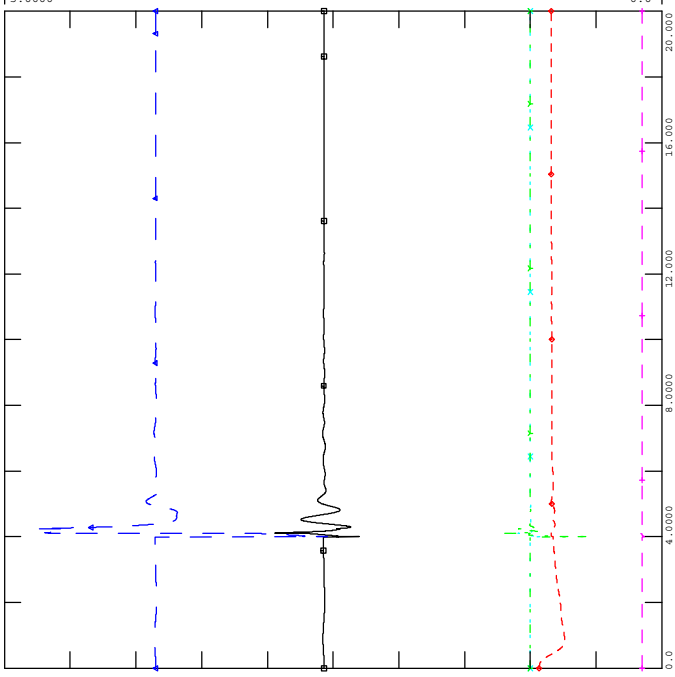


NEED_2021_WP_CASE05
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/9L80_S912_757S-Battle River.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0



TIME (SECONDS)

MON, NOV 28 2016 23:52

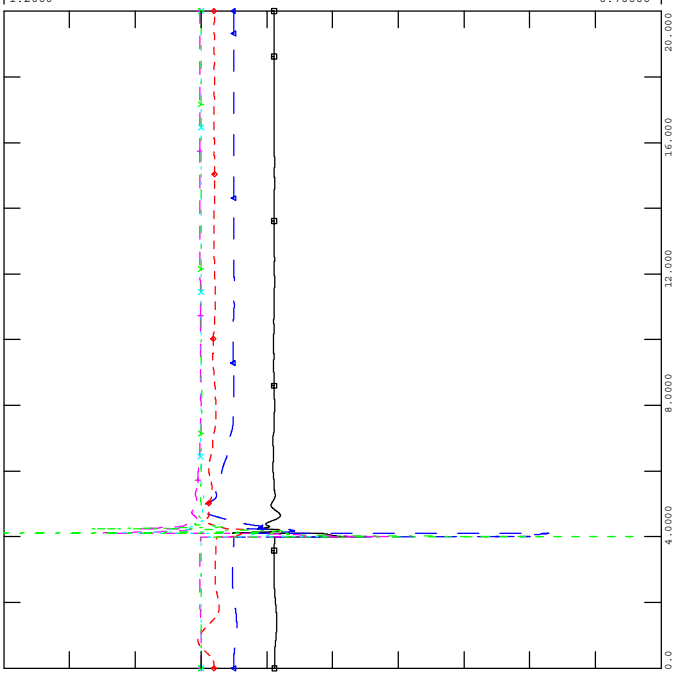
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/9L80_S912_757S-Battle River.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000



TIME (SECONDS)

MON, NOV 28 2016 23:52

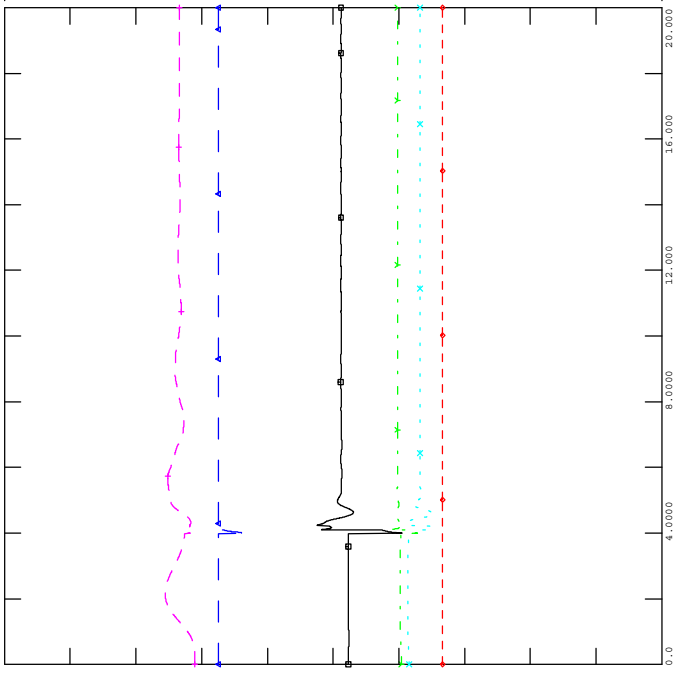
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/9L80_S912_757S-Battle River.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0



TIME (SECONDS)

MON, NOV 28 2016 23:52

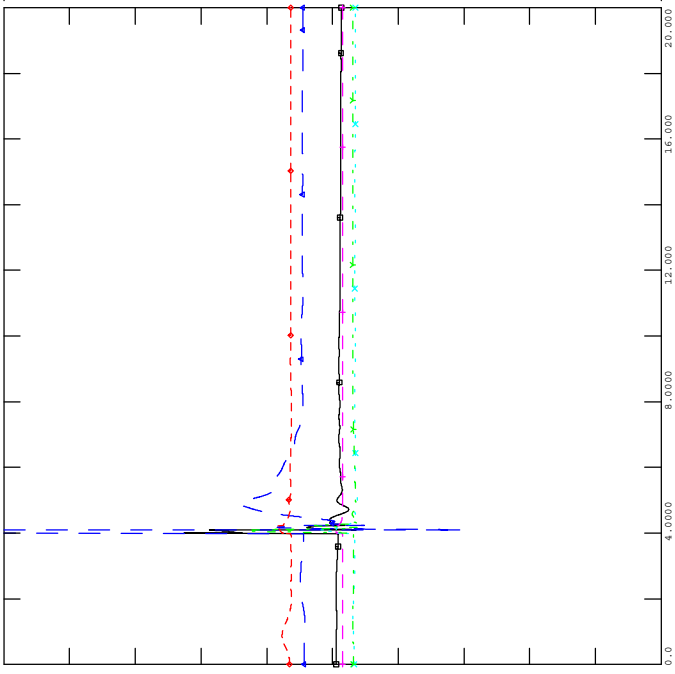
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/9L80_S912_757S-Battle River.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000



TIME (SECONDS)

MON, NOV 28 2016 23:52

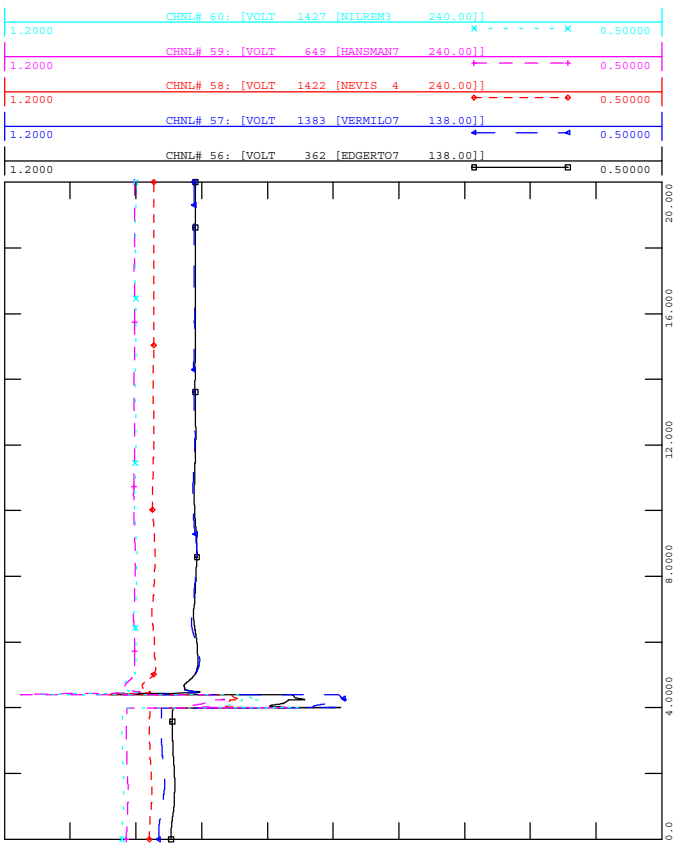
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/701L_S707_757S-Battle River.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

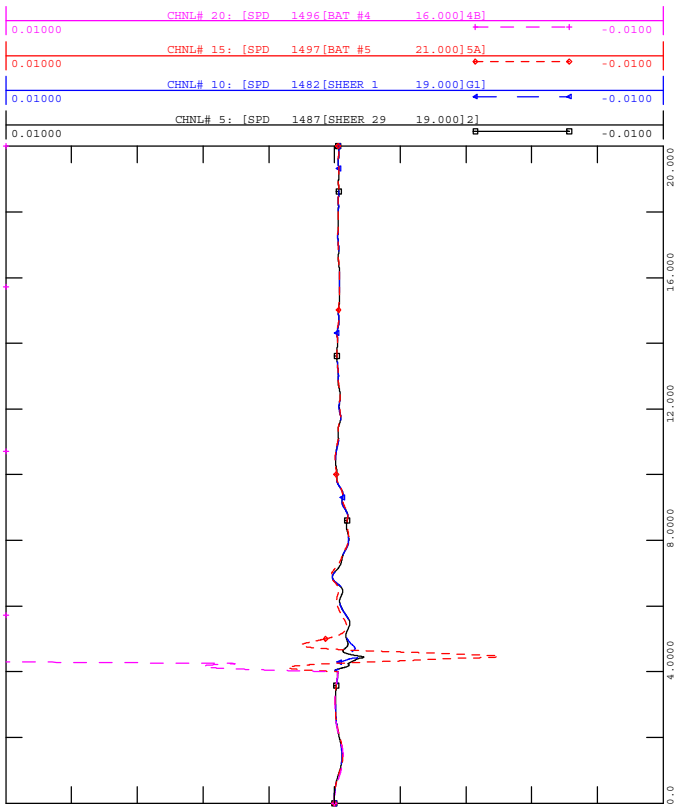


NEED_2021_WP_CASE05
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/701L_S707_757S-Battle River.out

MON, NOV 28 2016 23:52

MACHINE SPEED

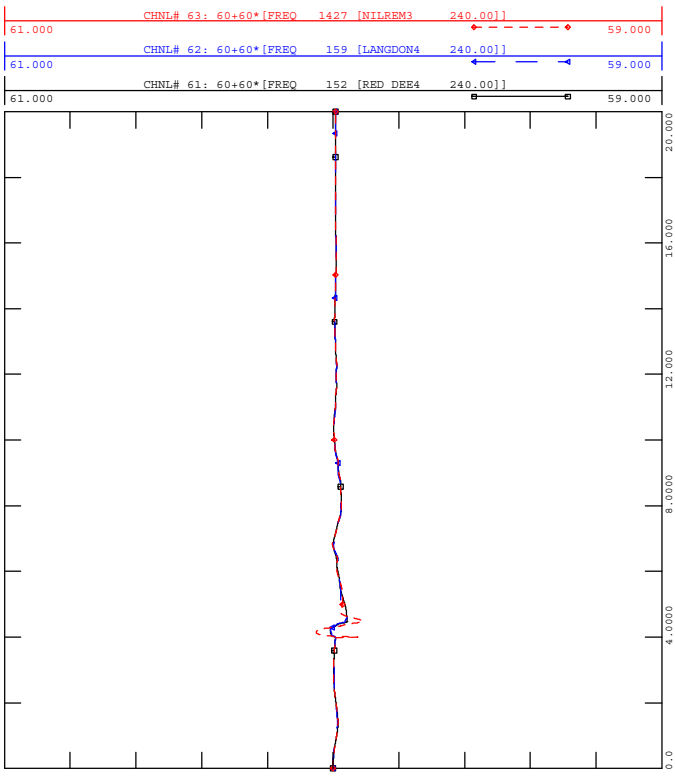


NEED_2021_WP_CASE05
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/701L_S707_757S-Battle River.out

MON, NOV 28 2016 23:52

FREQUENCY

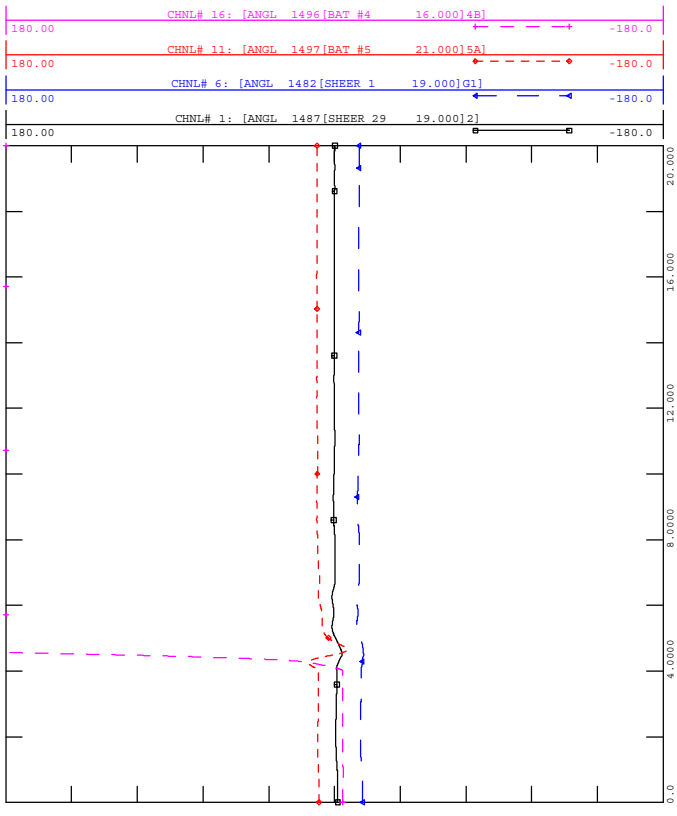


NEED_2021_WP_CASE05
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/701L_S707_757S-Battle River.out

MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/701L_S707_757S-Battle River.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/701L_S707_757S-Battle River.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
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MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/701L_S707_757S-Battle River.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

MON, NOV 28 2016 23:52
LINE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/701L_S707_757S-Battle River.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
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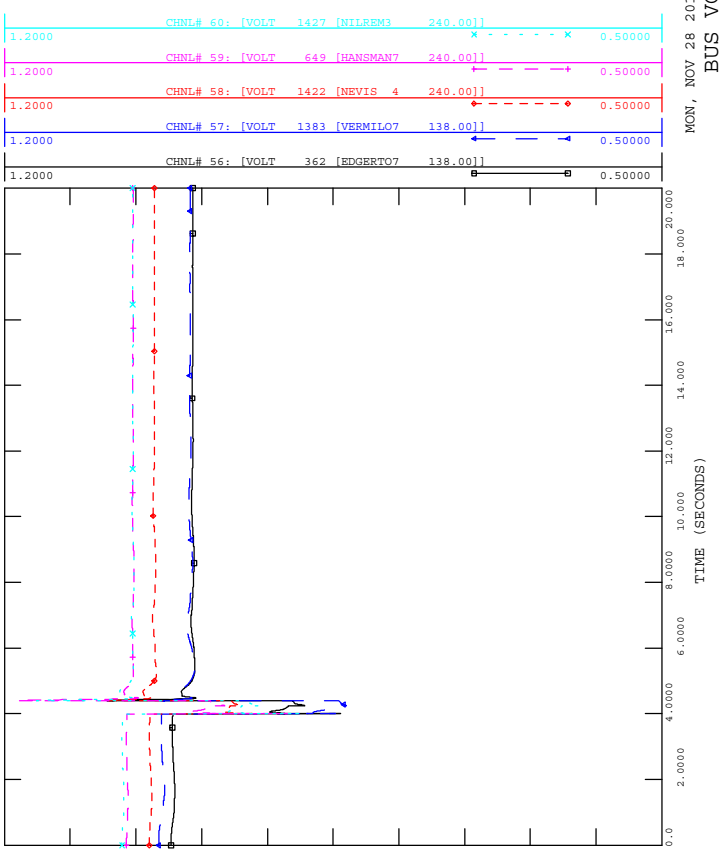
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -702L_S708_757S-BATTLE RIVER

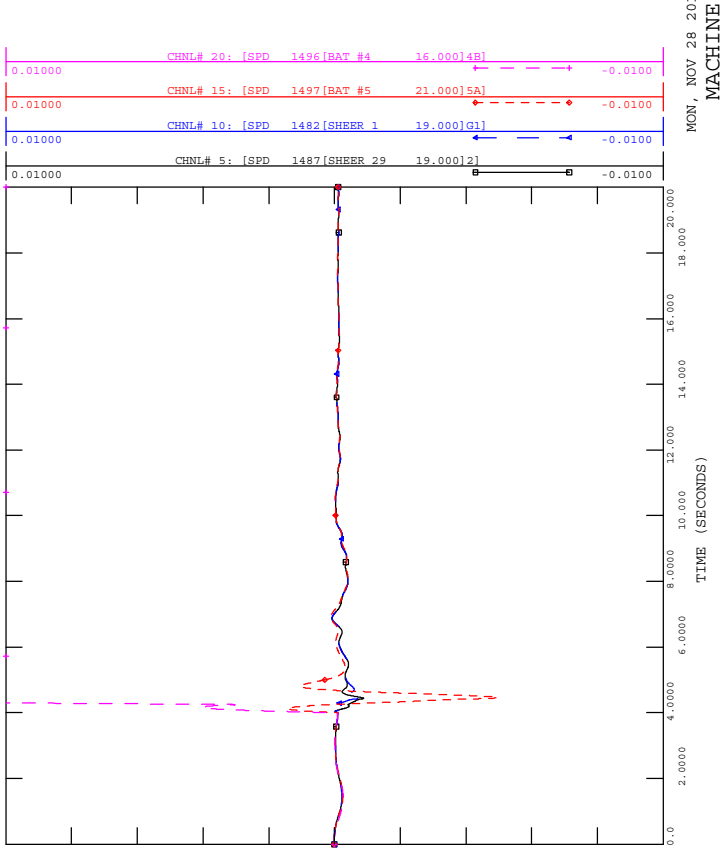
FILE: NEED_2021_WP_CASE05/702L_S708_757S-Battle River.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -702L_S708_757S-BATTLE RIVER

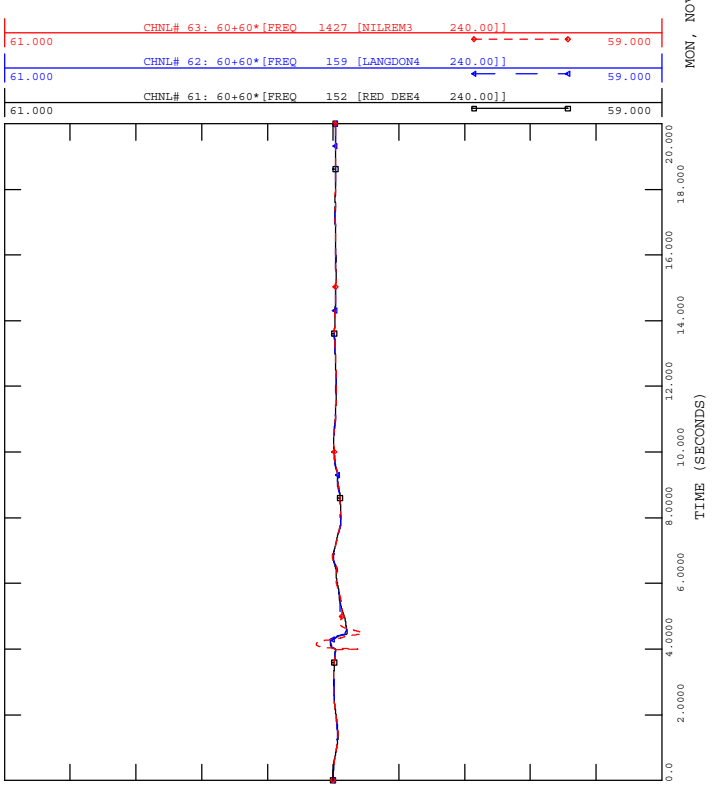
FILE: NEED_2021_WP_CASE05/702L_S708_757S-Battle River.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -702L_S708_757S-BATTLE RIVER

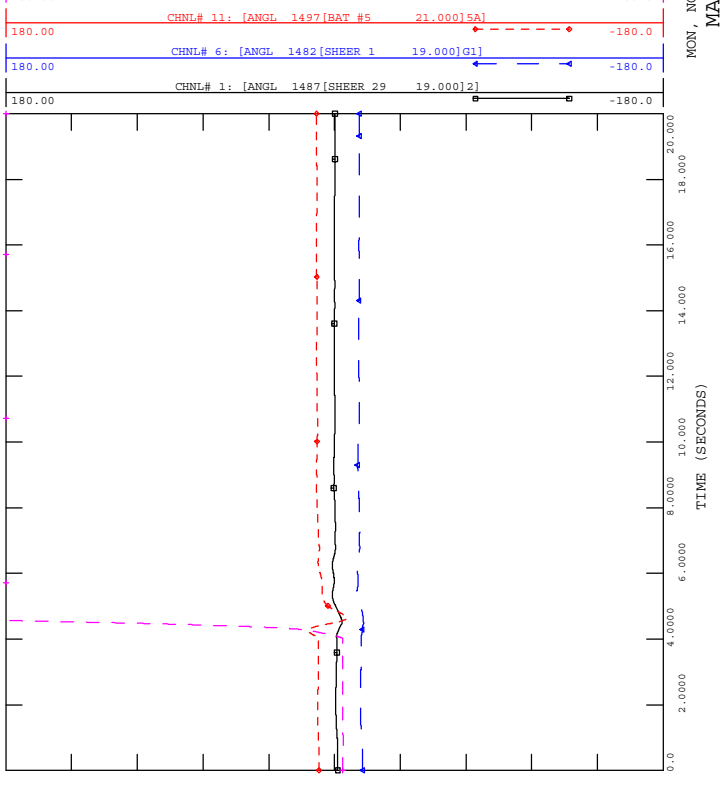
FILE: NEED_2021_WP_CASE05/702L_S708_757S-Battle River.out



MON, NOV 28 2016 23:52
FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/702L_S708_757S-Battle River.out



MON, NOV 28 2016 23:52
MACHINE ANGEL

NEED_2021_WP_CASE05
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/702L_S708_757S-Battle River.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
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CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
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CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

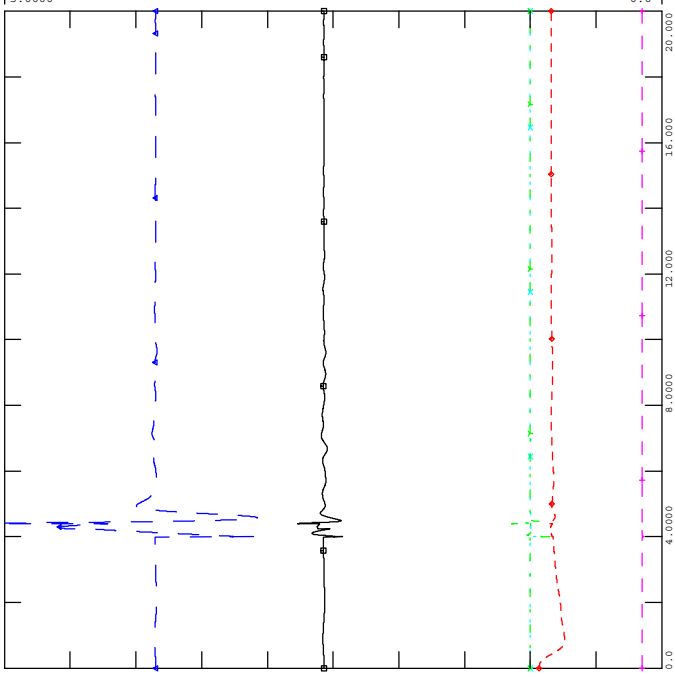
5.0000 / 0.0

MON, NOV 28 2016 23:52

GENERATOR ACTIVE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



NEED_2021_WP_CASE05
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/702L_S708_757S-Battle River.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
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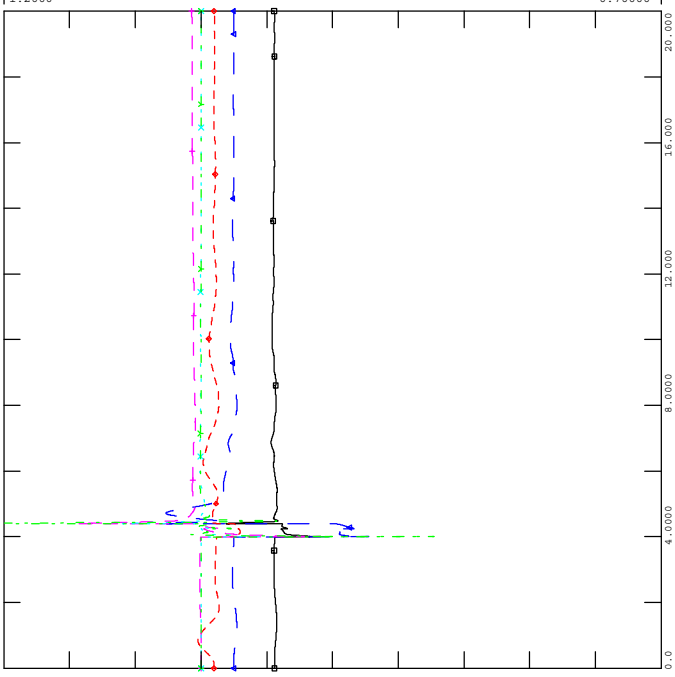
1.2000 / 0.70000

MON, NOV 28 2016 23:52

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



NEED_2021_WP_CASE05
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/702L_S708_757S-Battle River.out

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CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

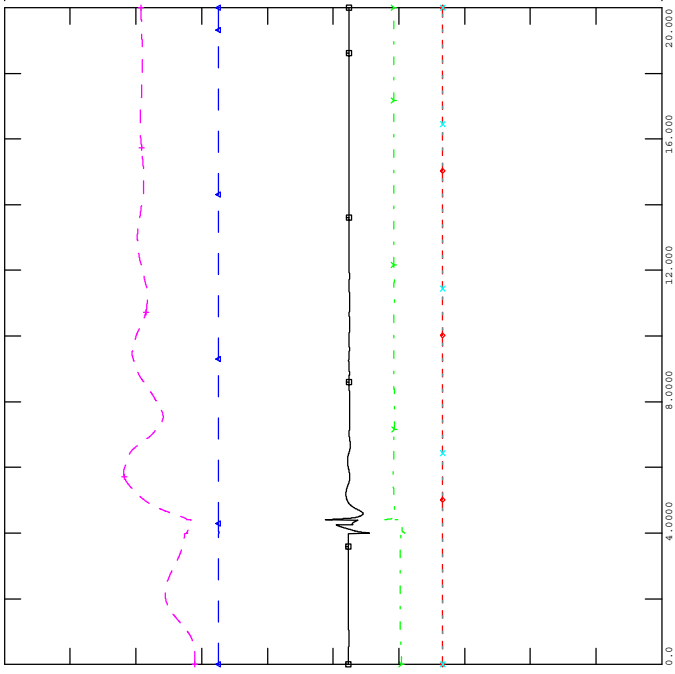
1200.0 / -600.0

MON, NOV 28 2016 23:52

LINE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



NEED_2021_WP_CASE05
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/702L_S708_757S-Battle River.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
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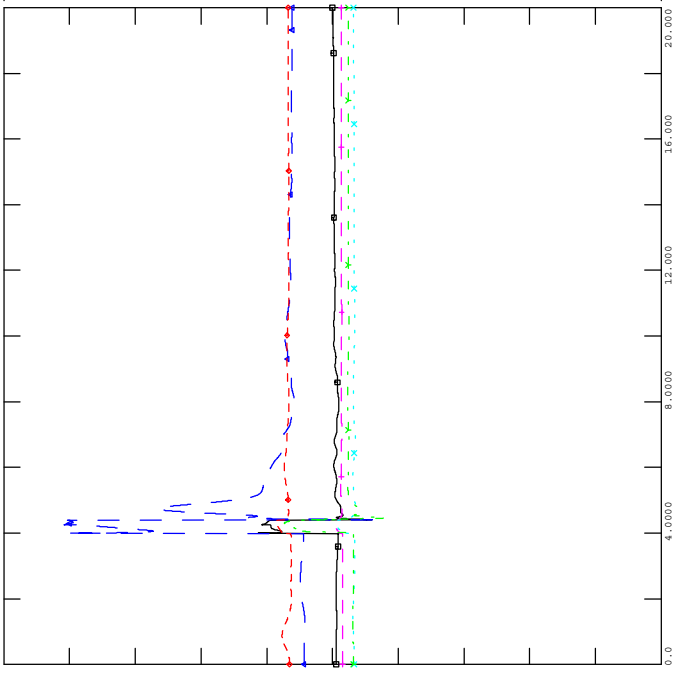
2.0000 / -2.000

MON, NOV 28 2016 23:52

GENERATOR REACTIVE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

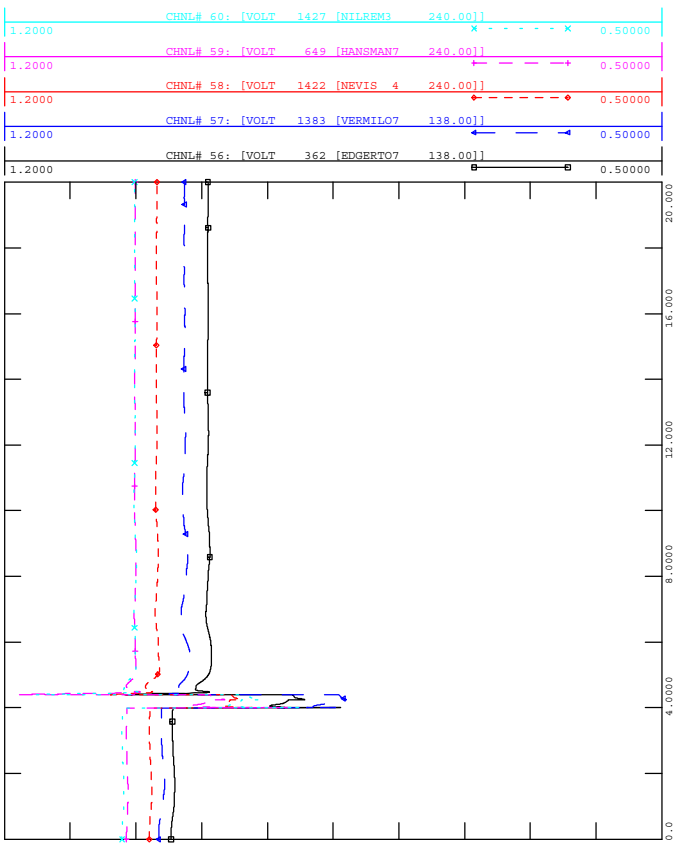


NEED_2021_WP_CASE05
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/7L50_S709_757S-Battle River.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

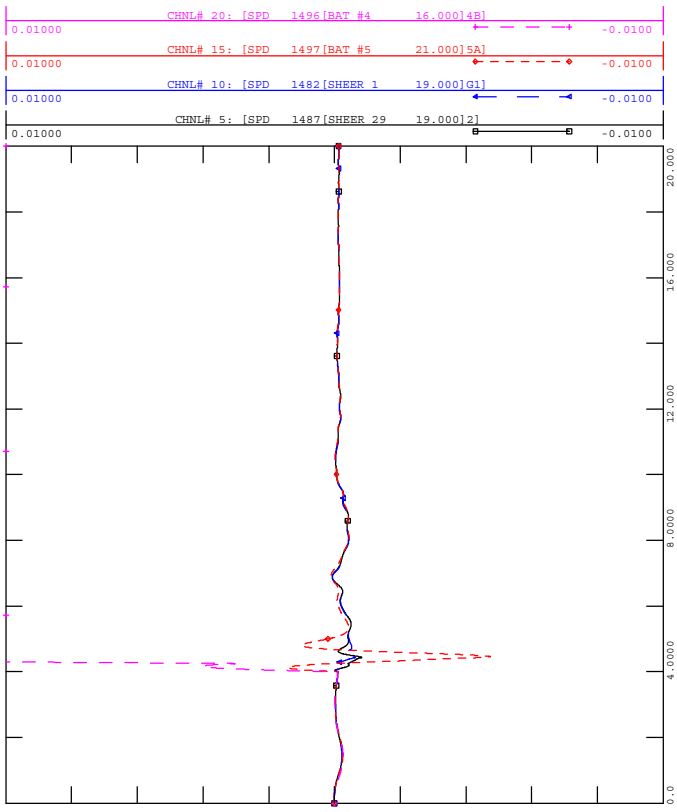


NEED_2021_WP_CASE05
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/7L50_S709_757S-Battle River.out

MON, NOV 28 2016 23:52

MACHINE SPEED

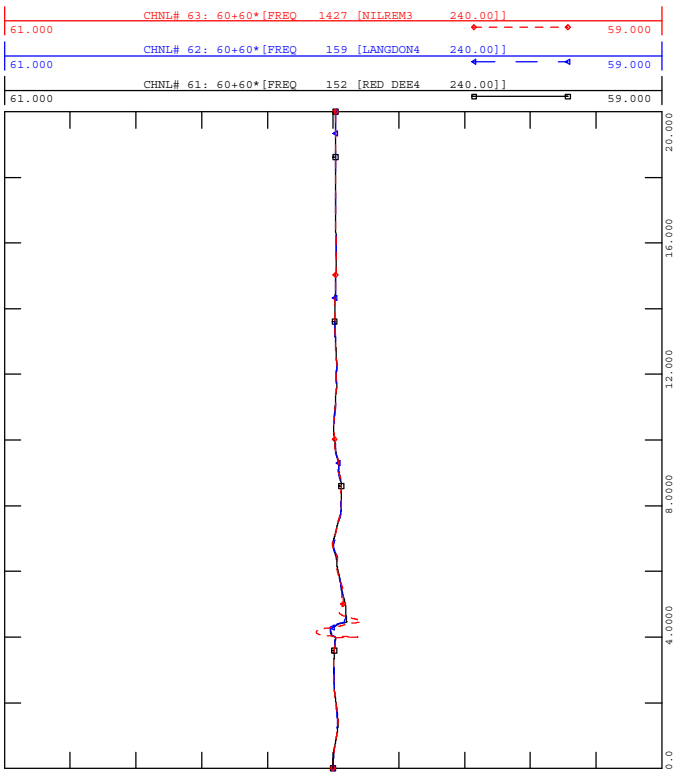


NEED_2021_WP_CASE05
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/7L50_S709_757S-Battle River.out

MON, NOV 28 2016 23:52

FREQUENCY

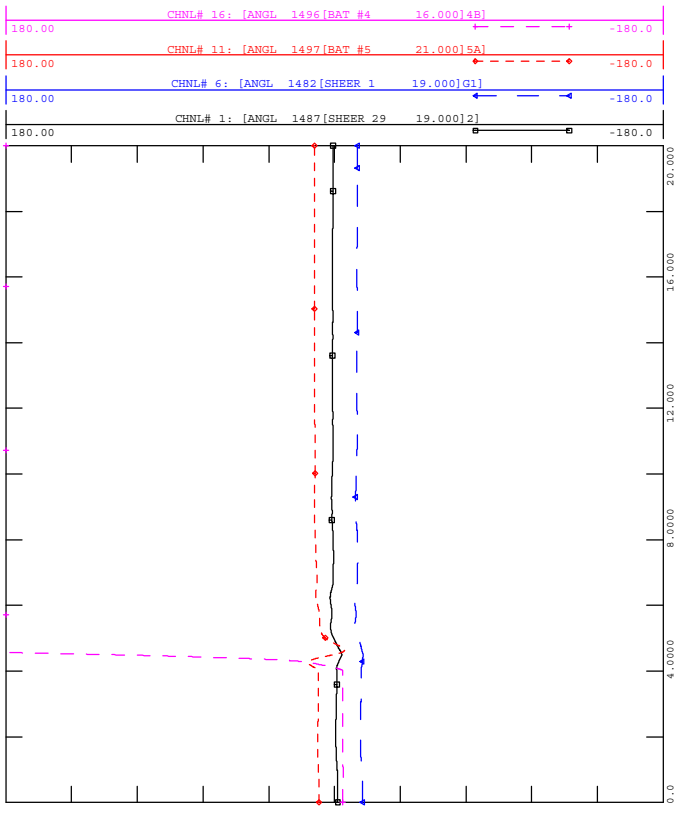


NEED_2021_WP_CASE05
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/7L50_S709_757S-Battle River.out

MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/7L50_S709_757S-Battle River.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
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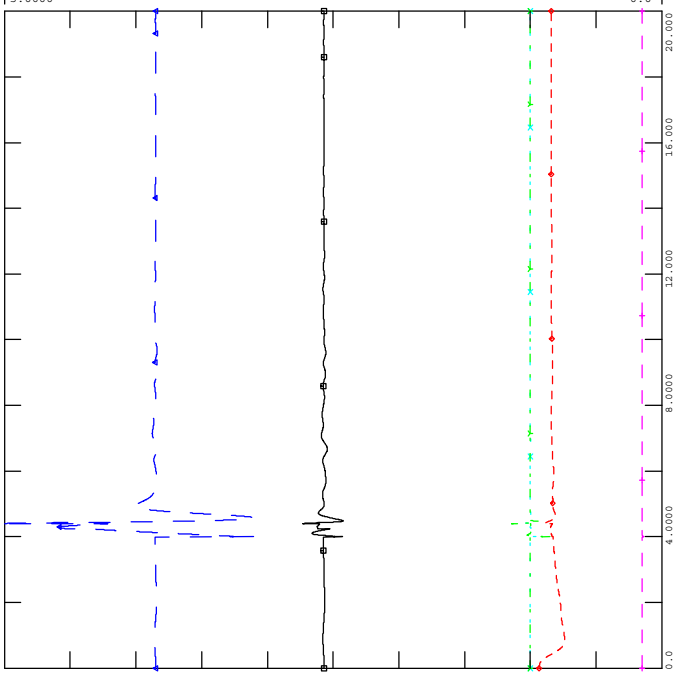

MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/7L50_S709_757S-Battle River.out

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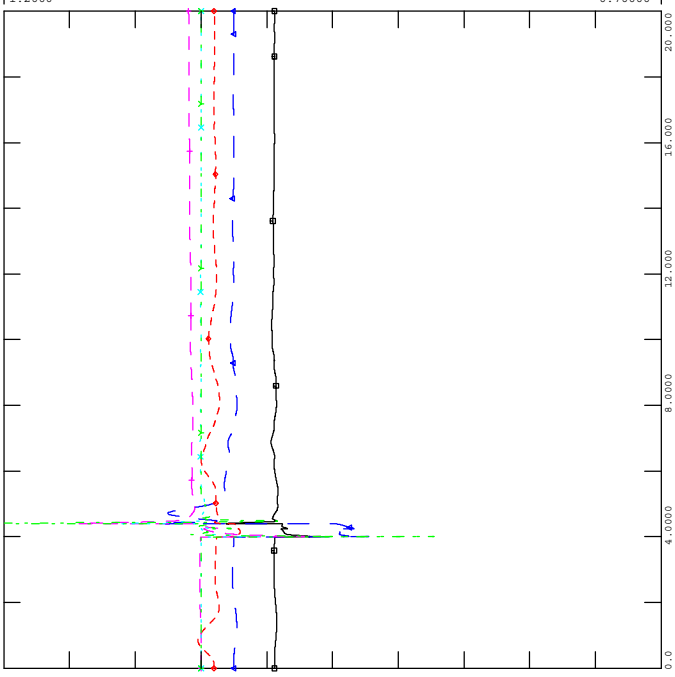

MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/7L50_S709_757S-Battle River.out

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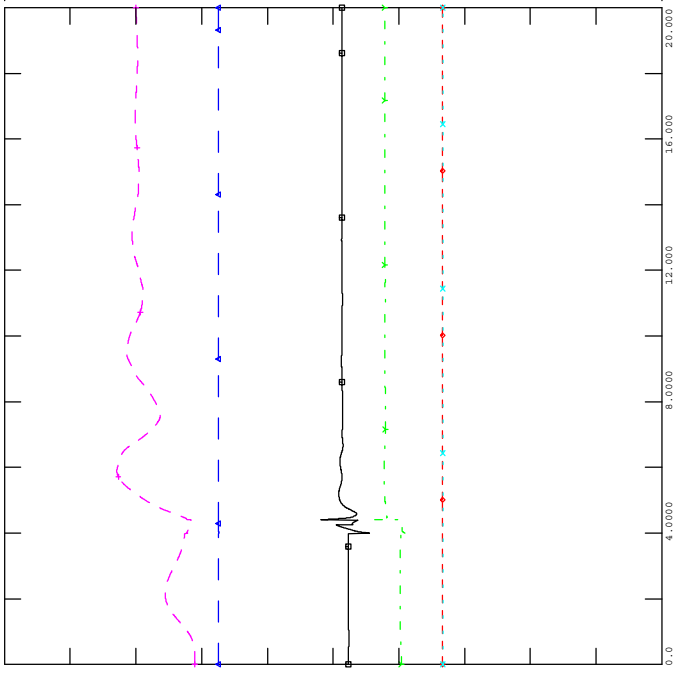
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

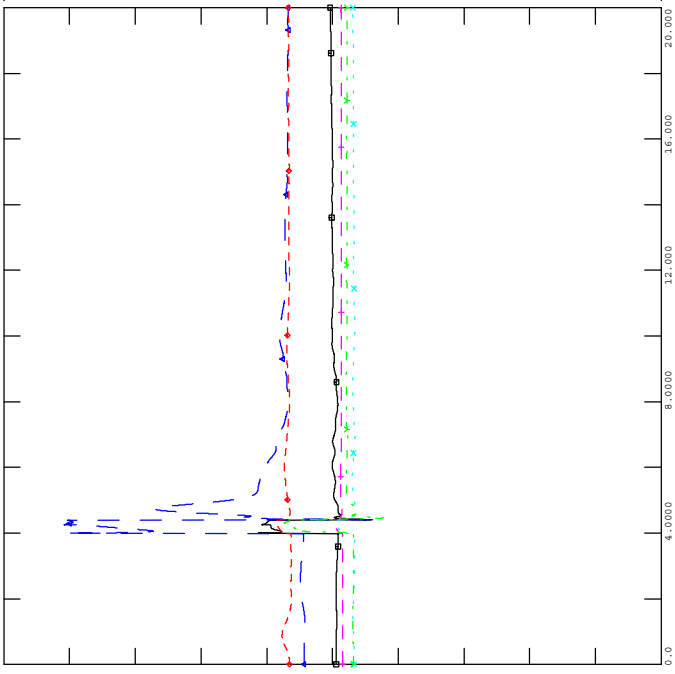


MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: NEED_2021_WP_CASE05/7L50_S709_757S-Battle River.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]



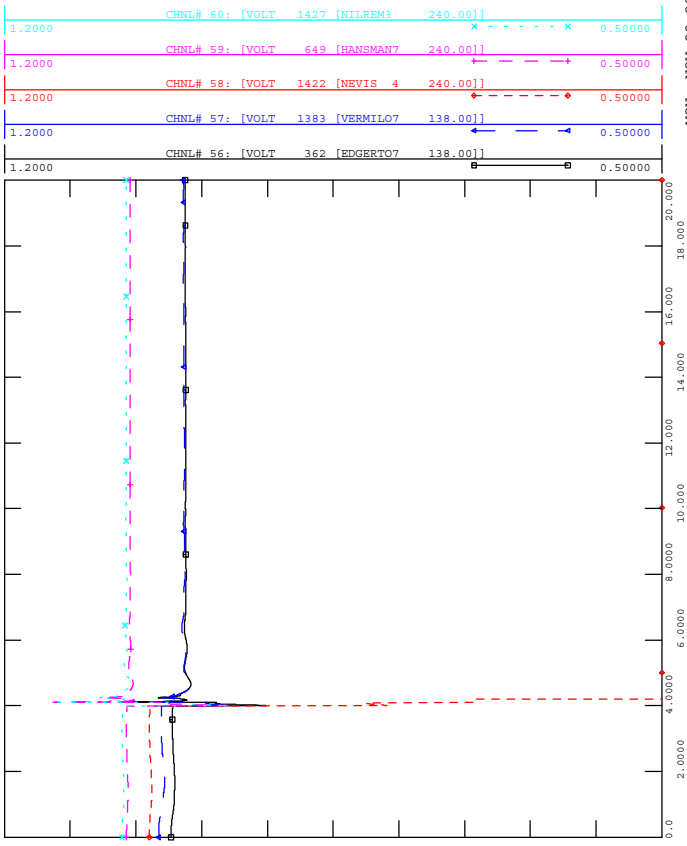
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L20_S901_766S-NEVIS

FILE: NEED_2021_WP_CASE05/9L20_S901_766S-Nevis.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

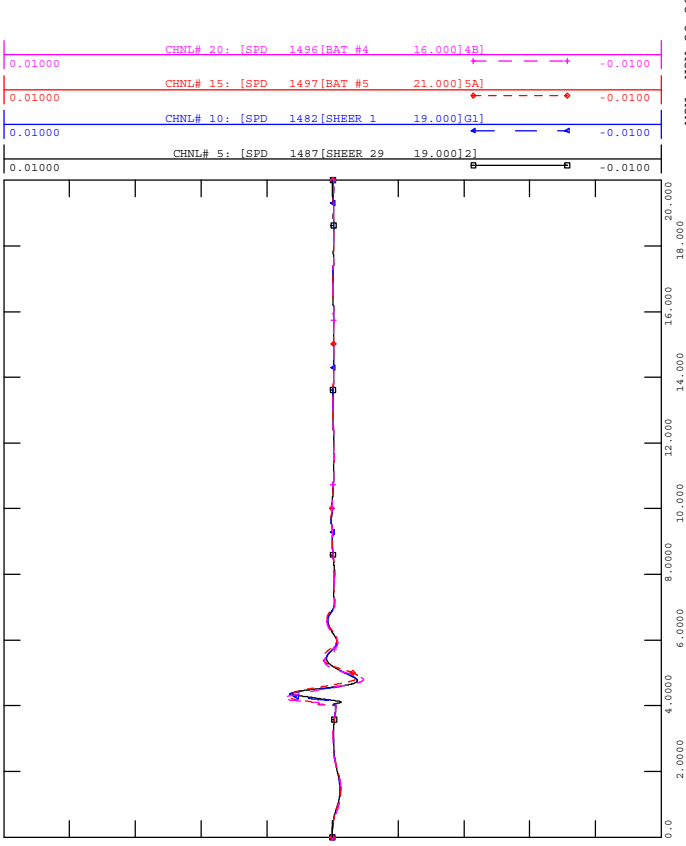


NEED_2021_WP_CASE05
C7-SLG -9L20_S901_766S-NEVIS

FILE: NEED_2021_WP_CASE05/9L20_S901_766S-Nevis.out

MON, NOV 28 2016 23:52

MACHINE SPEED

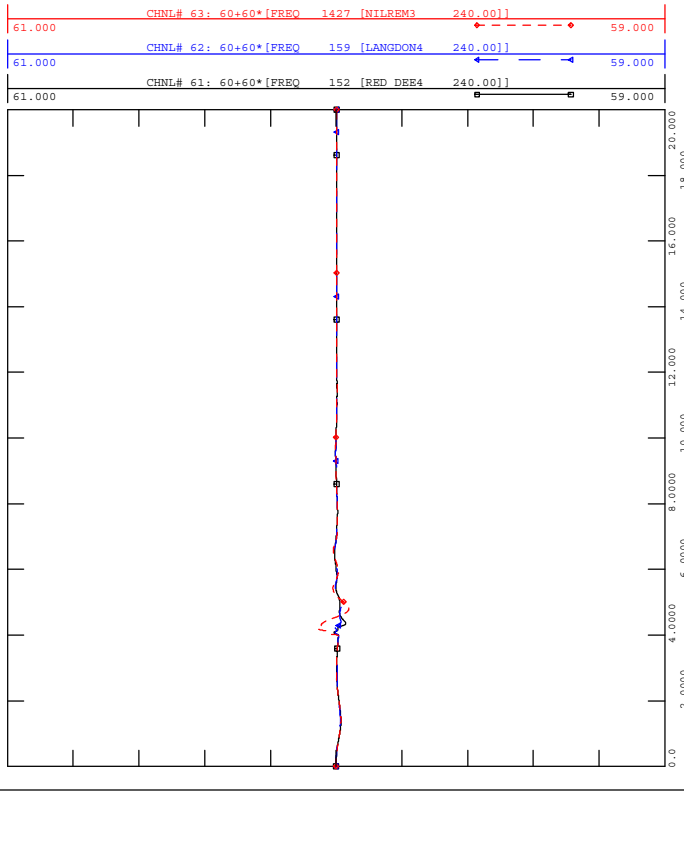


NEED_2021_WP_CASE05
C7-SLG -9L20_S901_766S-NEVIS

FILE: NEED_2021_WP_CASE05/9L20_S901_766S-Nevis.out

MON, NOV 28 2016 23:52

FREQUENCY

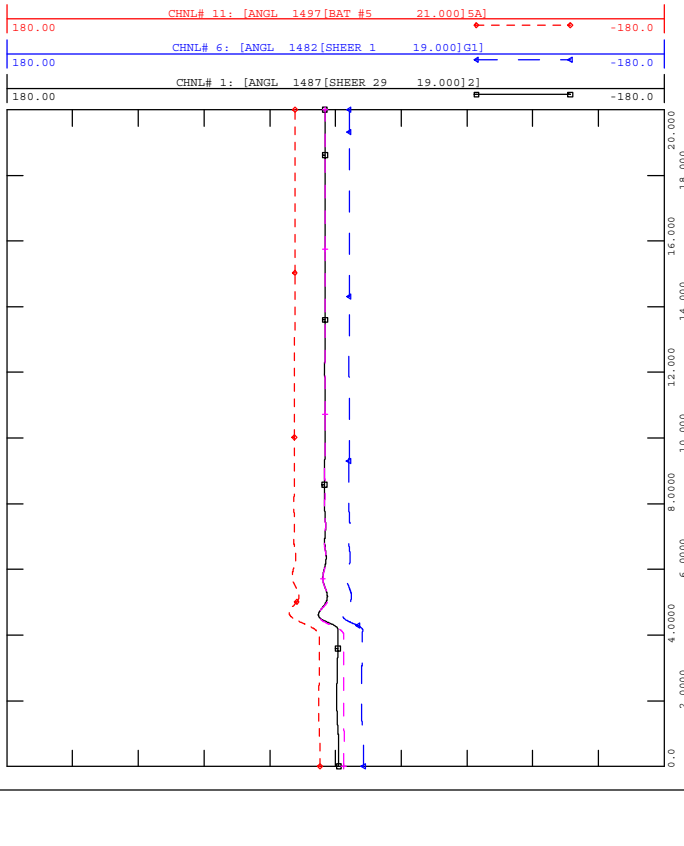


NEED_2021_WP_CASE05
C7-SLG -9L20_S901_766S-NEVIS

FILE: NEED_2021_WP_CASE05/9L20_S901_766S-Nevis.out

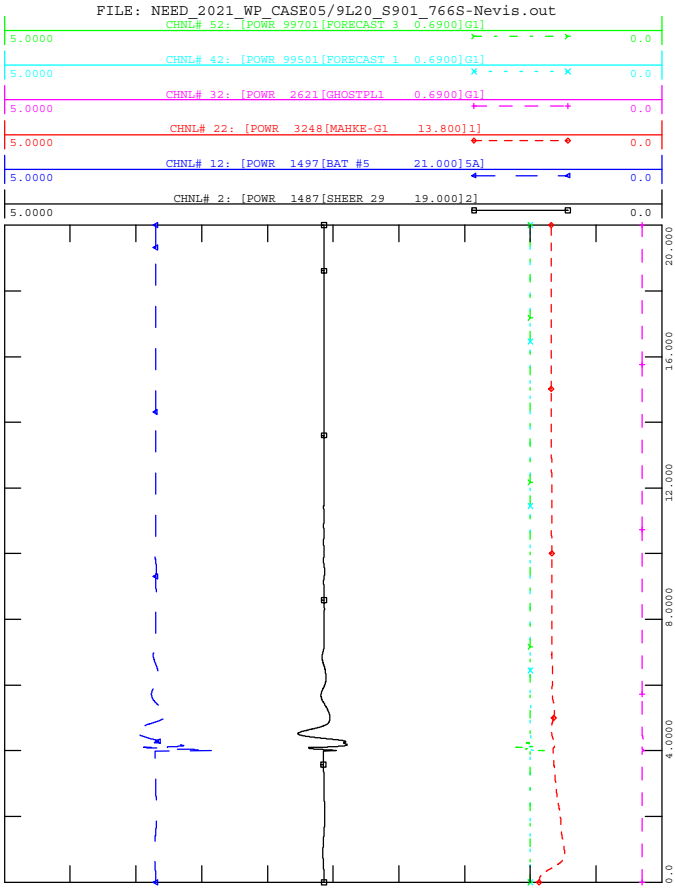
MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -9L20_S901_766S-NEVIS

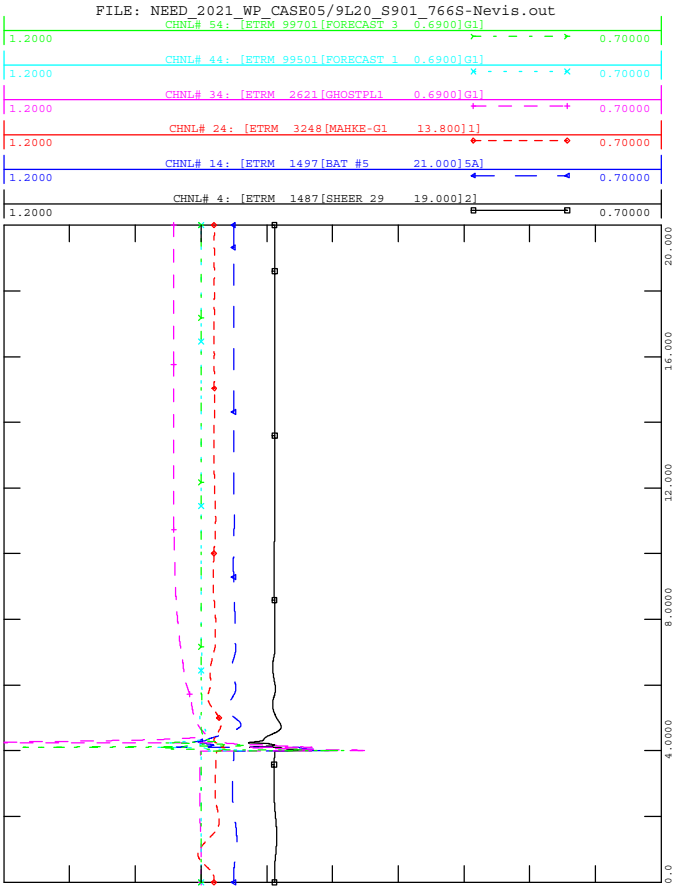
FILE: NEED_2021_WP_CASE05/9L20_S901_766S-Nevis.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L20_S901_766S-NEVIS

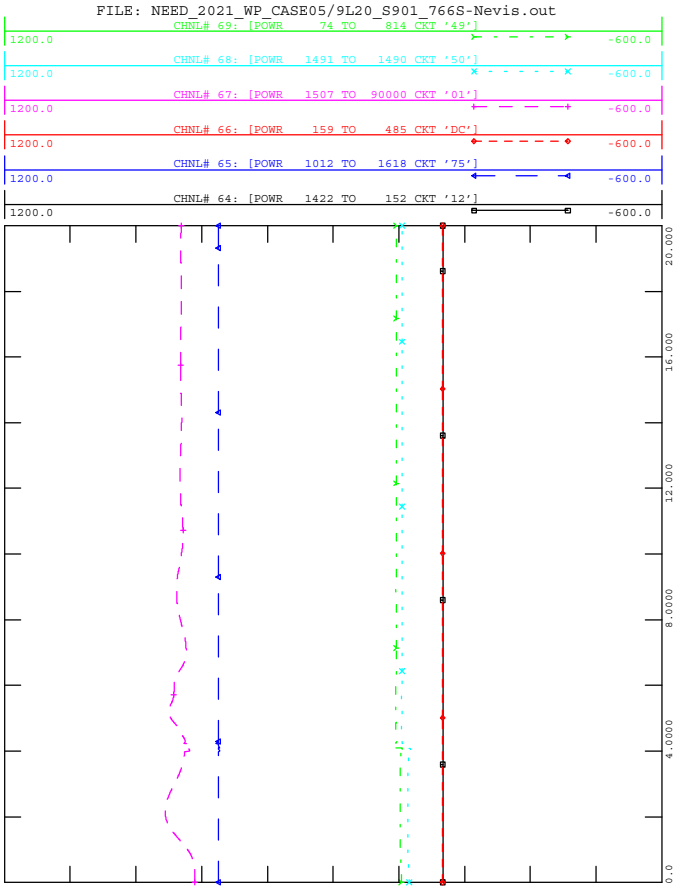
FILE: NEED_2021_WP_CASE05/9L20_S901_766S-Nevis.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -9L20_S901_766S-NEVIS

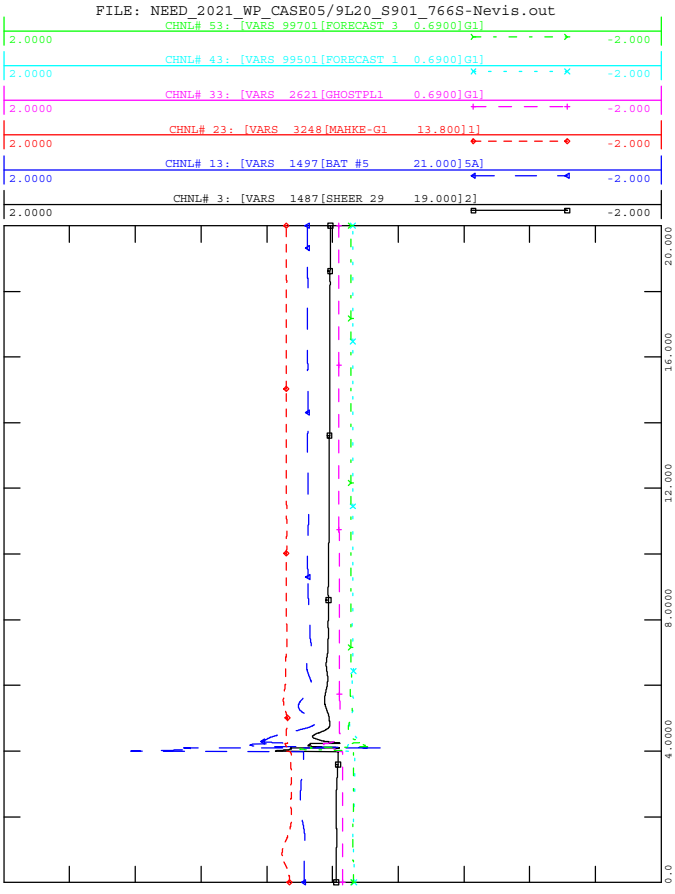
FILE: NEED_2021_WP_CASE05/9L20_S901_766S-Nevis.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -9L20_S901_766S-NEVIS

FILE: NEED_2021_WP_CASE05/9L20_S901_766S-Nevis.out



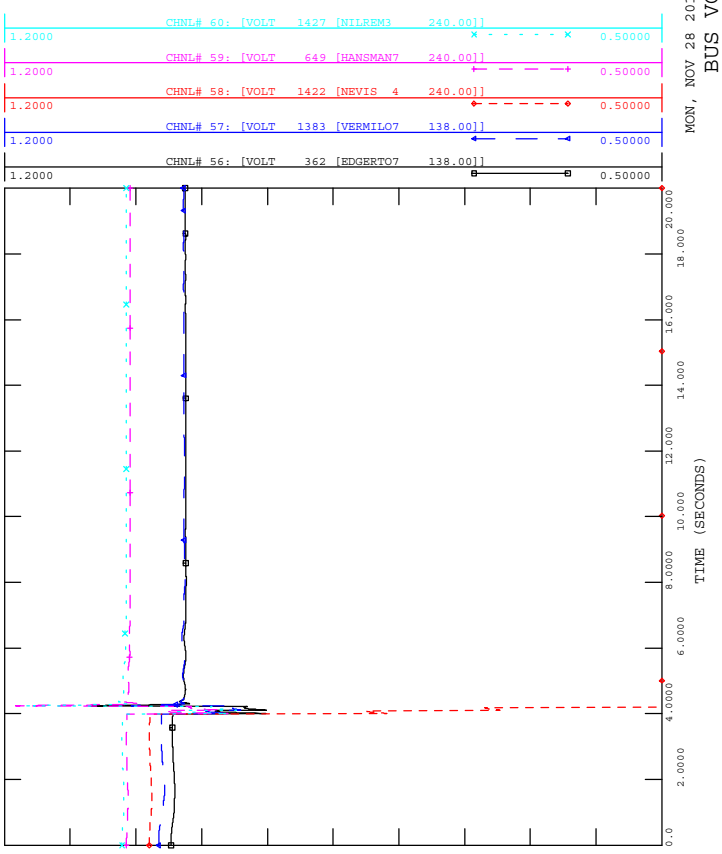
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L912_S902_766S-NEVIS

FILE: NEED_2021_WP_CASE05/9L912_S902_766S-Nevis.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

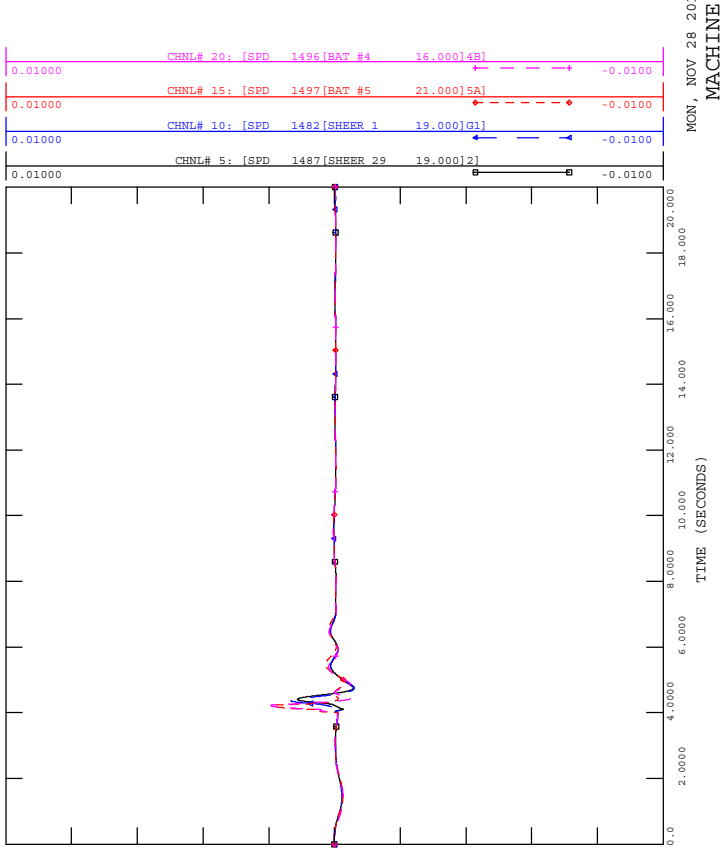


NEED_2021_WP_CASE05
C7-SLG -9L912_S902_766S-NEVIS

FILE: NEED_2021_WP_CASE05/9L912_S902_766S-Nevis.out

MON, NOV 28 2016 23:52

MACHINE SPEED



NEED_2021_WP_CASE05
C7-SLG -9L912_S902_766S-NEVIS

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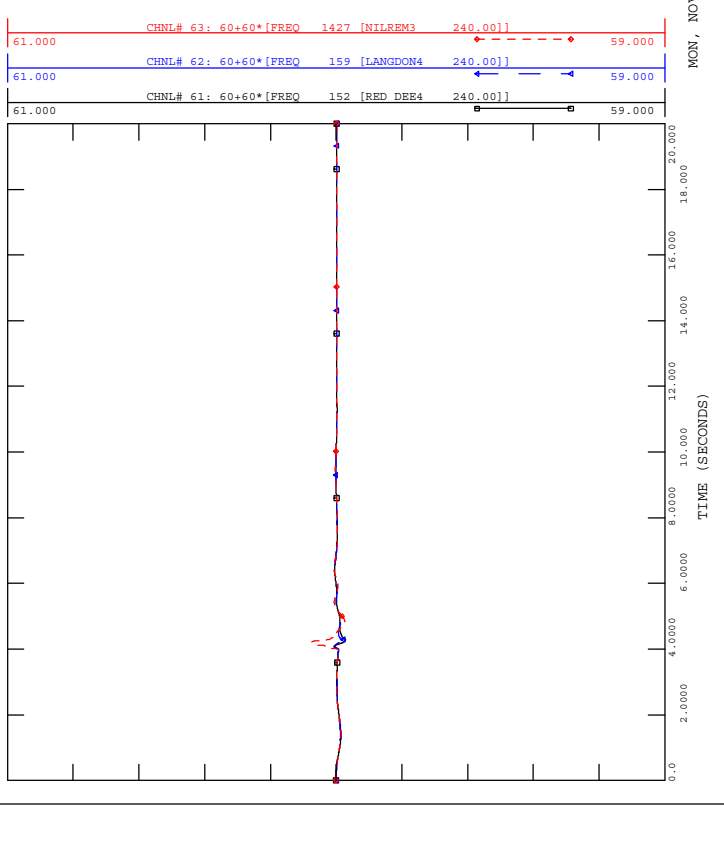
MON, NOV 28 2016 23:52

FREQUENCY

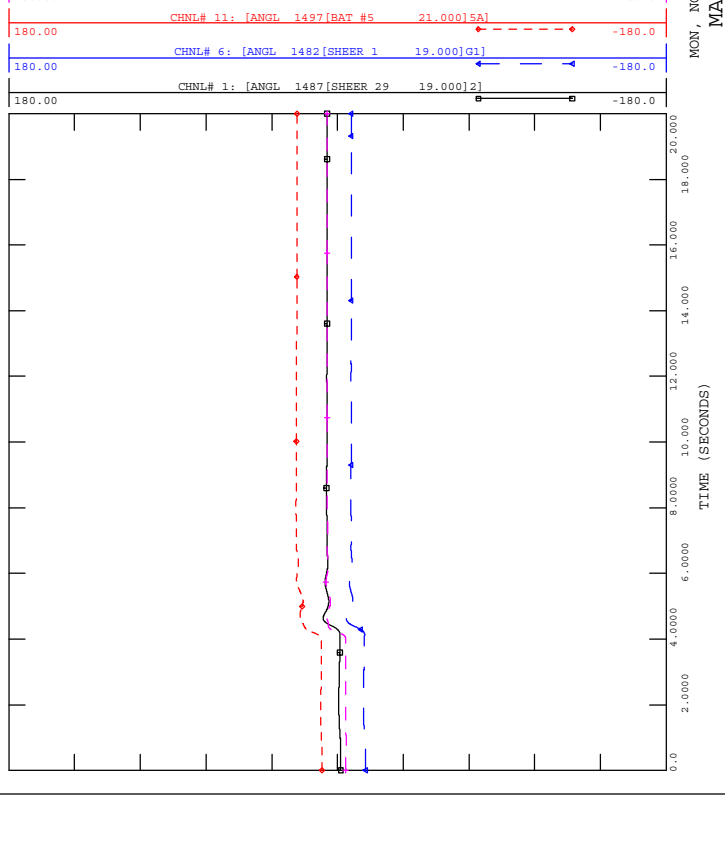


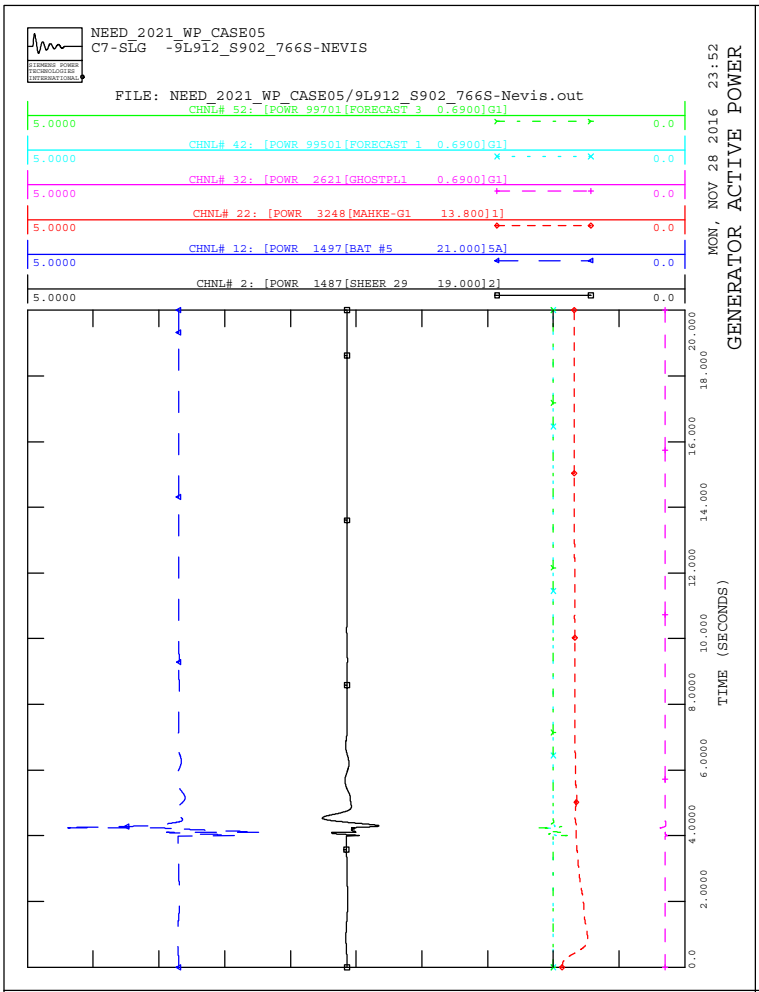
NEED_2021_WP_CASE05
C7-SLG -9L912_S902_766S-NEVIS

FILE: NEED_2021_WP_CASE05/9L912_S902_766S-Nevis.out

MON, NOV 28 2016 23:52

MACHINE ANGEL




NEED_2021_WP_CASE05
C7-SLG -9L912_S902_766S-NEVIS
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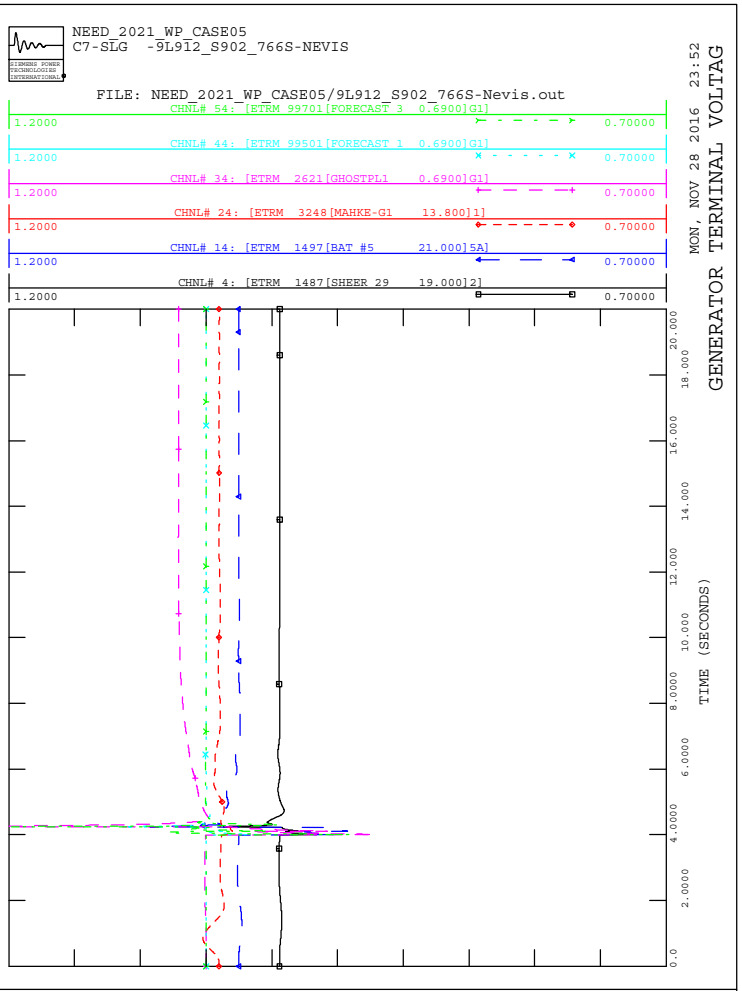
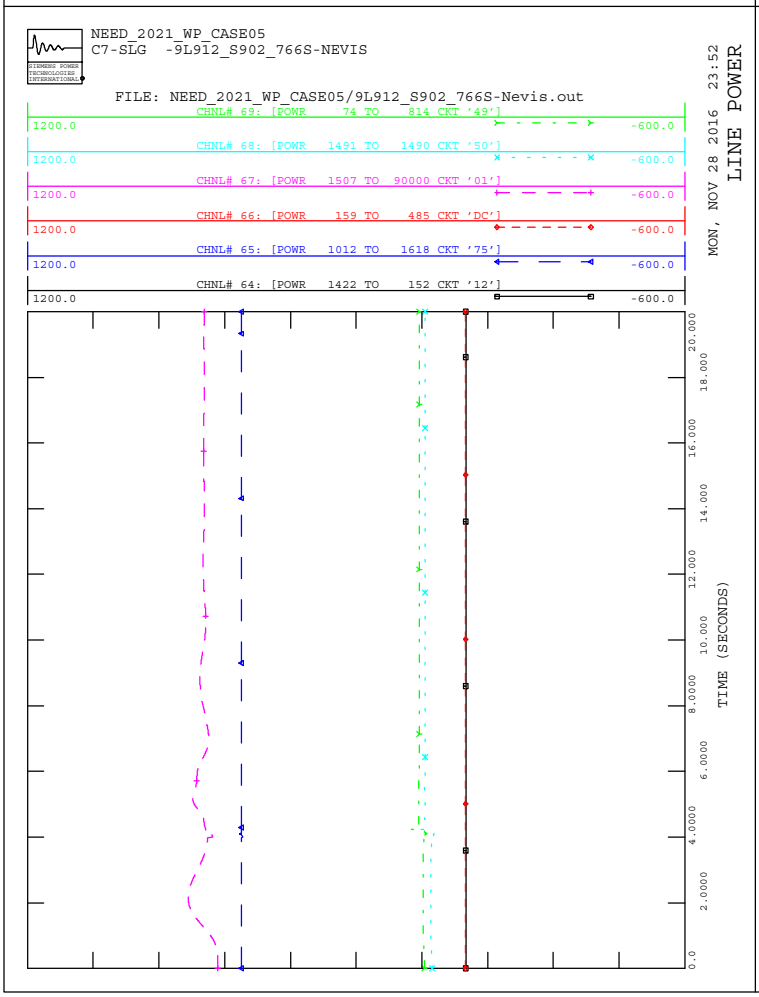
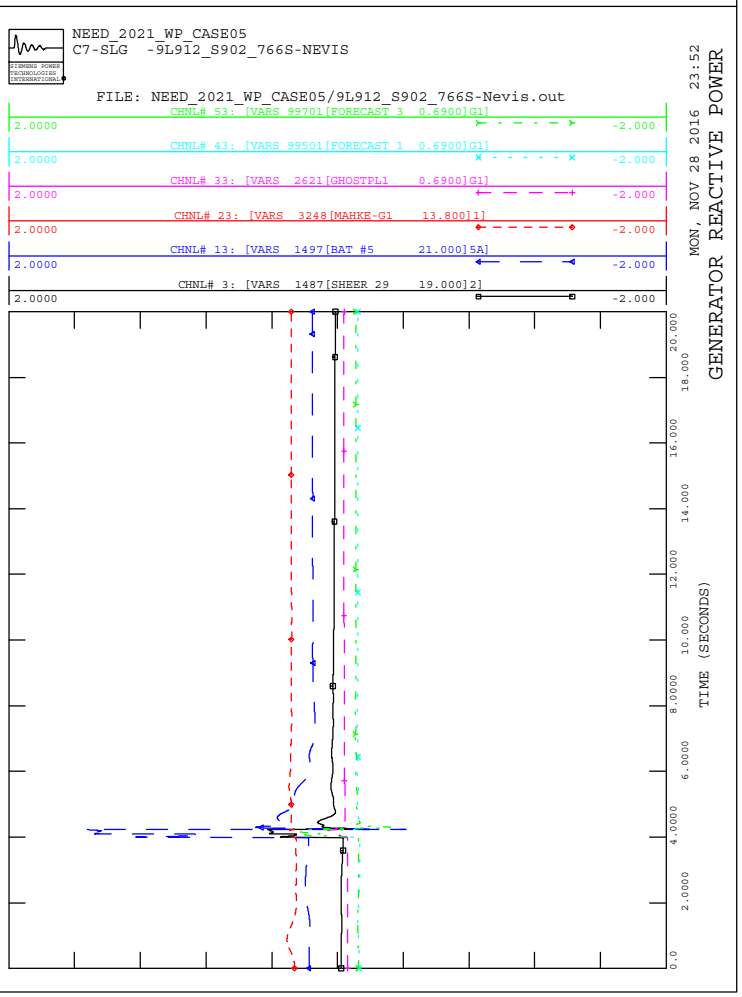
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

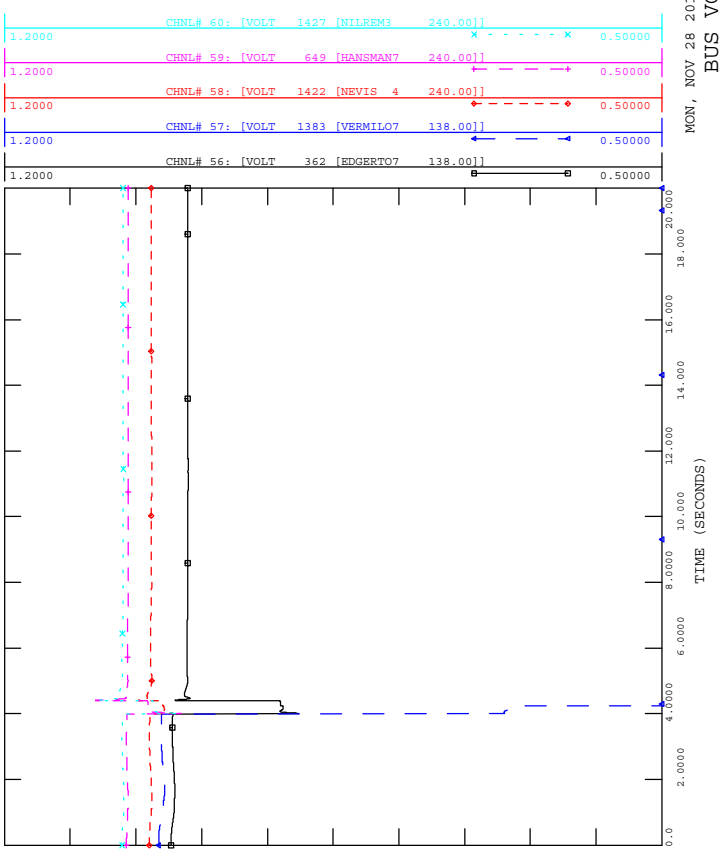

NEED_2021_WP_CASE05
C7-SLG -9L912_S902_766S-NEVIS
FILE: NEED_2021_WP_CASE05/9L912_S902_766S-Nevis.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_WP_CASE05
C7-SLG -9L912_S902_766S-NEVIS
FILE: NEED_2021_WP_CASE05/9L912_S902_766S-Nevis.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:52
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_WP_CASE05
C7-SLG -9L912_S902_766S-NEVIS
FILE: NEED_2021_WP_CASE05/9L912_S902_766S-Nevis.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_WP_CASE05
C7-SLG -7L65_S703_710S-VERMILLION

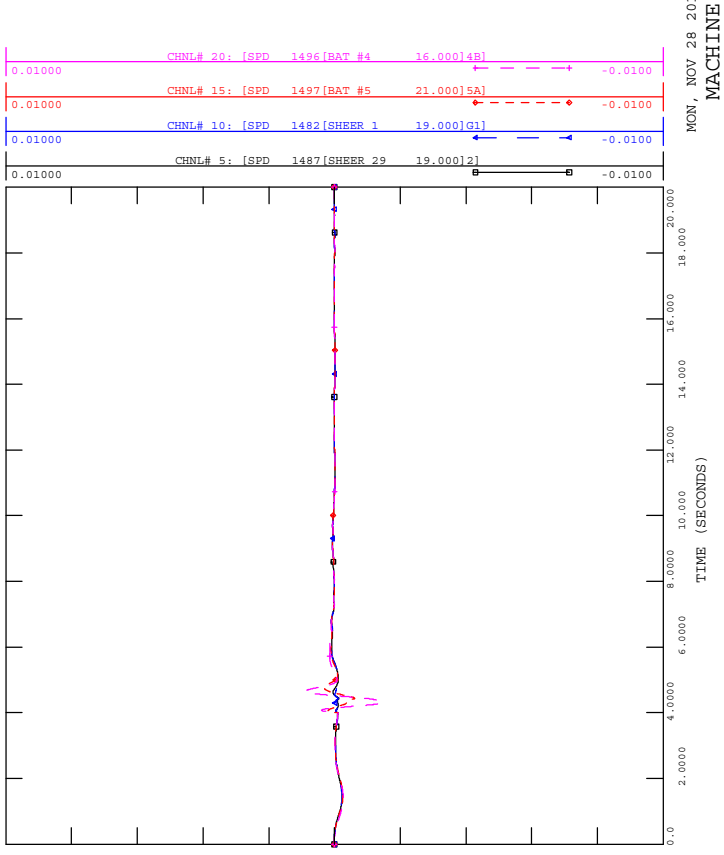
FILE: NEED_2021_WP_CASE05/7L65_S703_710S-Vermillion.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -7L65_S703_710S-VERMILLION

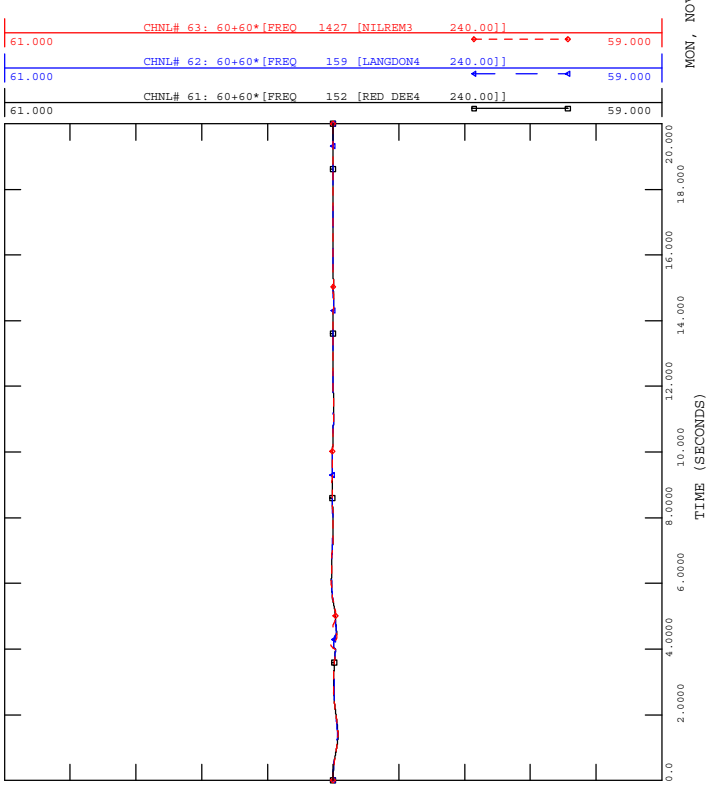
FILE: NEED_2021_WP_CASE05/7L65_S703_710S-Vermillion.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -7L65_S703_710S-VERMILLION

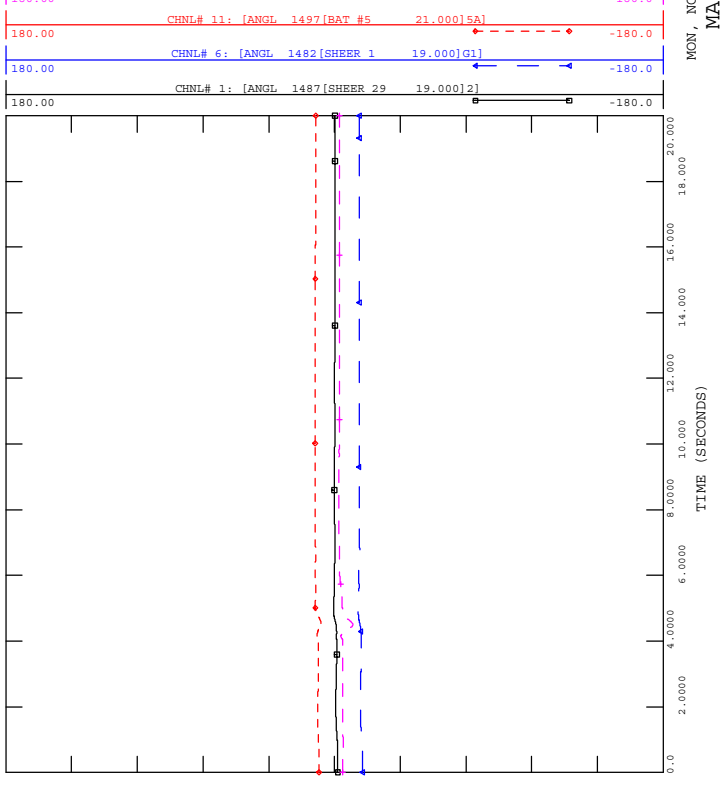
FILE: NEED_2021_WP_CASE05/7L65_S703_710S-Vermillion.out



MON, NOV 28 2016 23:52
FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -7L65_S703_710S-VERMILLION

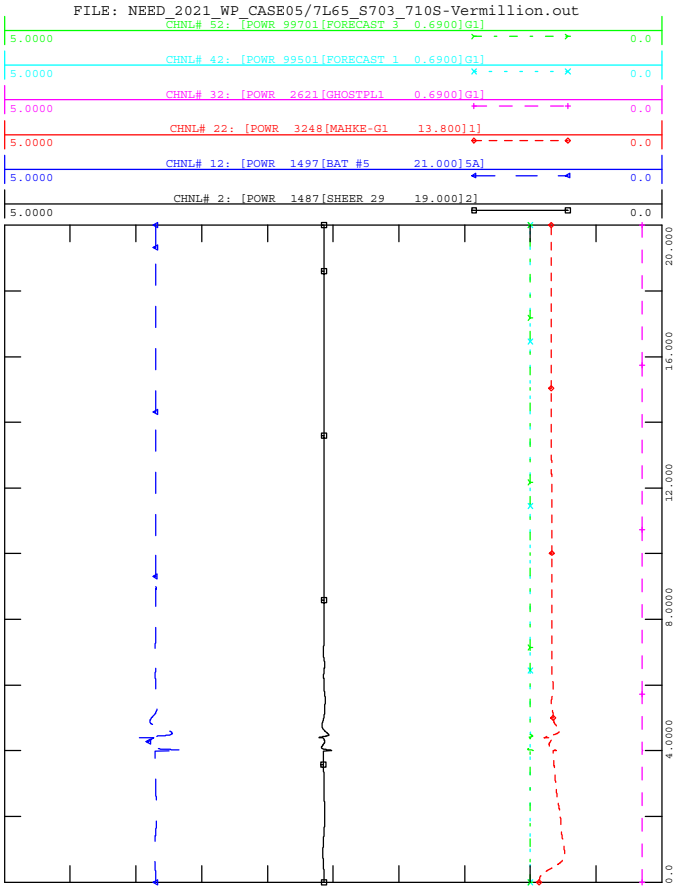
FILE: NEED_2021_WP_CASE05/7L65_S703_710S-Vermillion.out



MON, NOV 28 2016 23:52
MACHINE ANGEL

NEED_2021_WP_CASE05
C7-SLG -7L65_S703_710S-VERMILLION

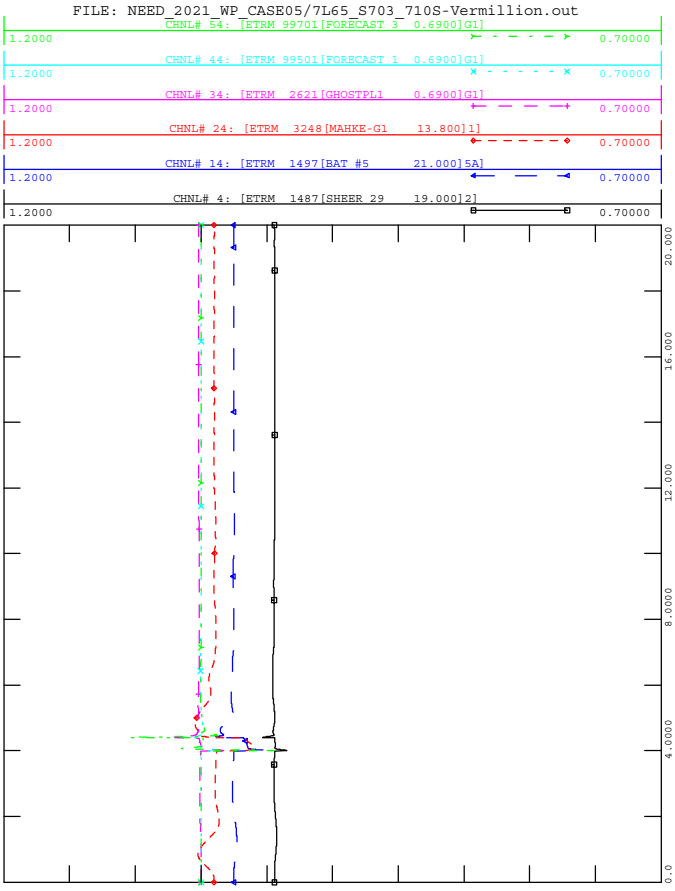
FILE: NEED_2021_WP_CASE05/7L65_S703_710S-Vermillion.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -7L65_S703_710S-VERMILLION

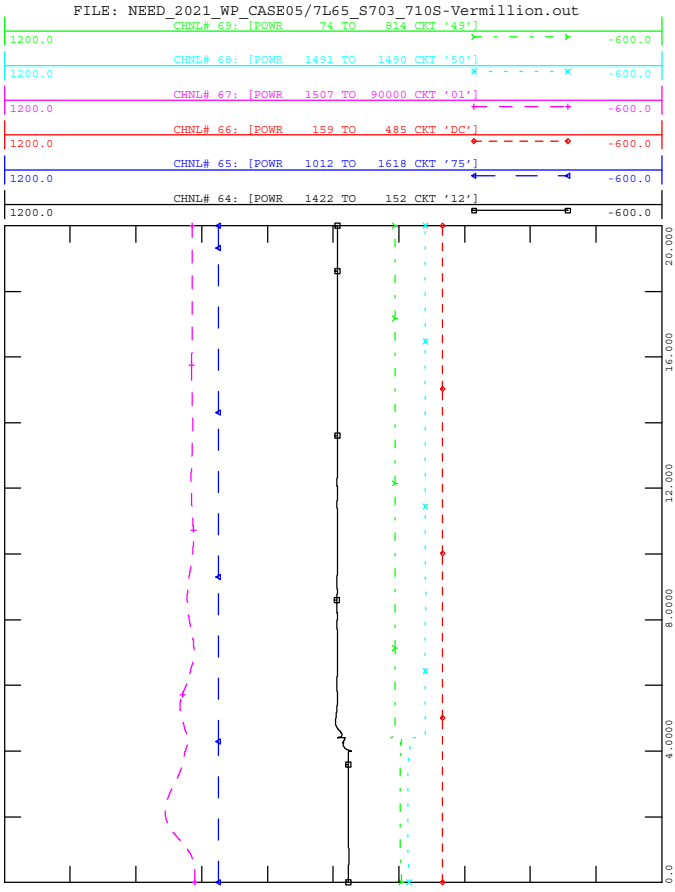
FILE: NEED_2021_WP_CASE05/7L65_S703_710S-Vermillion.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -7L65_S703_710S-VERMILLION

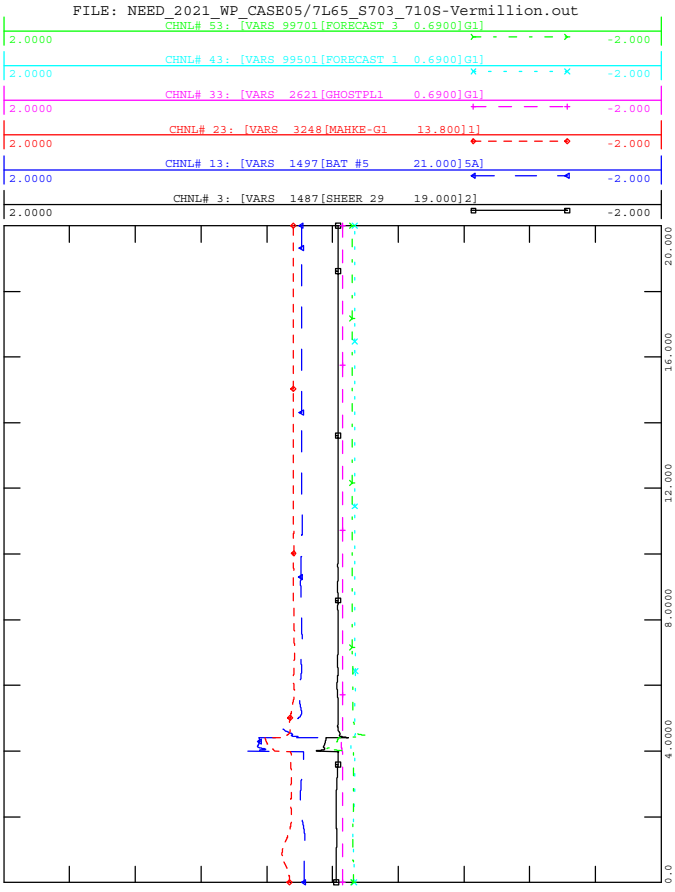
FILE: NEED_2021_WP_CASE05/7L65_S703_710S-Vermillion.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -7L65_S703_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L65_S703_710S-Vermillion.out



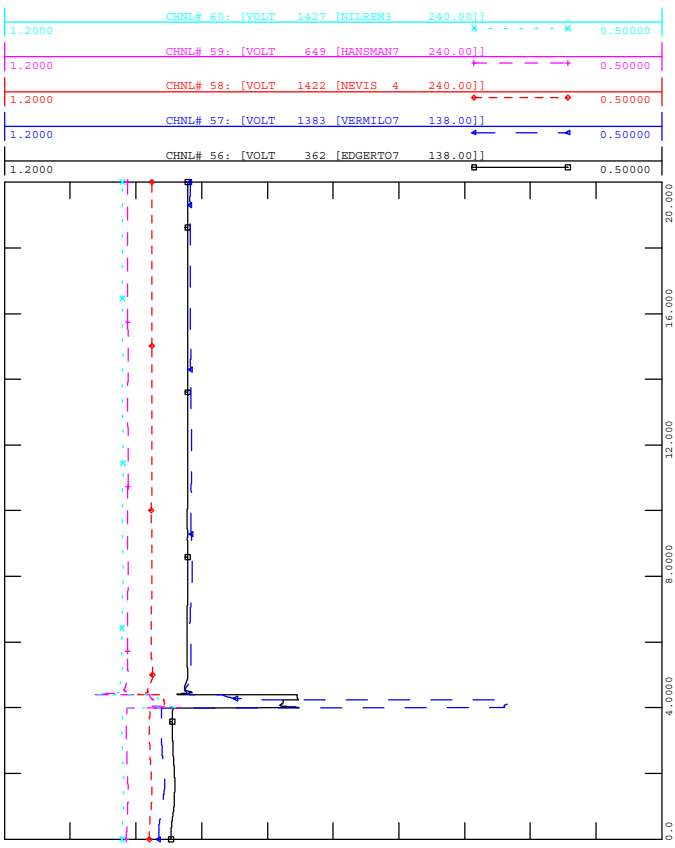
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -7L129_S704_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L129_S704_710S-Vermillion.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

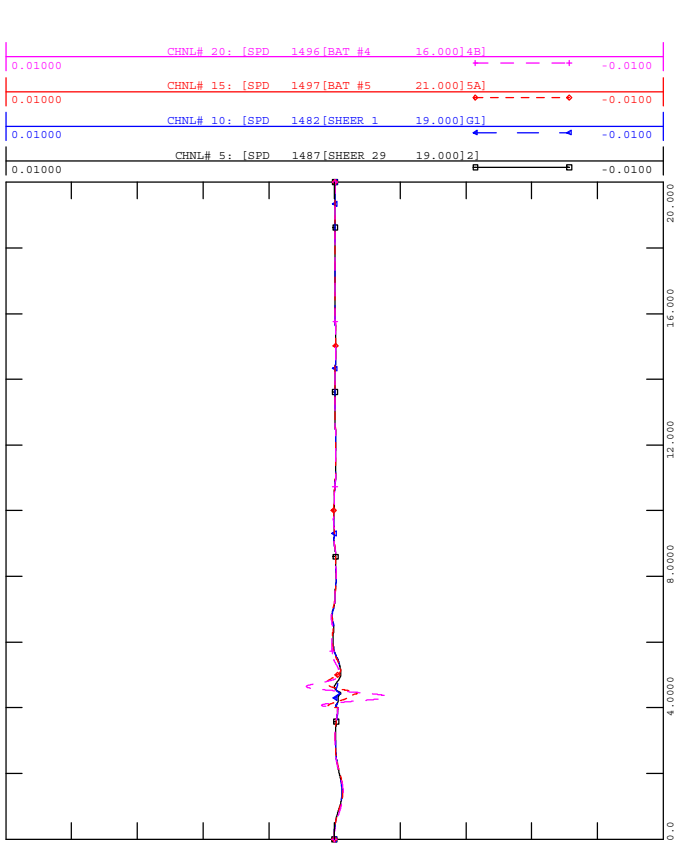


NEED_2021_WP_CASE05
C7-SLG -7L129_S704_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L129_S704_710S-Vermillion.out

MON, NOV 28 2016 23:52

MACHINE SPEED

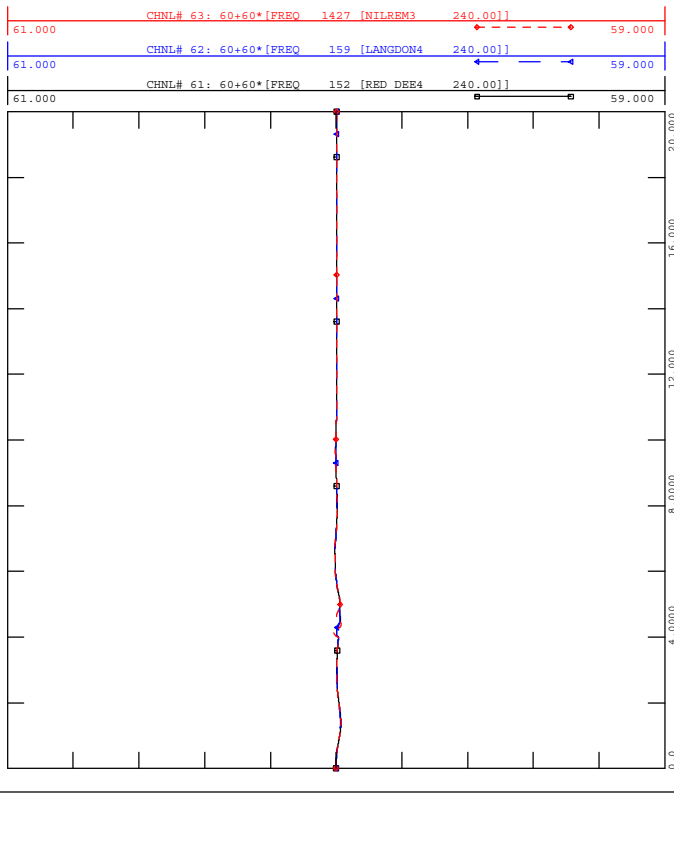


NEED_2021_WP_CASE05
C7-SLG -7L129_S704_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L129_S704_710S-Vermillion.out

MON, NOV 28 2016 23:52

FREQUENCY

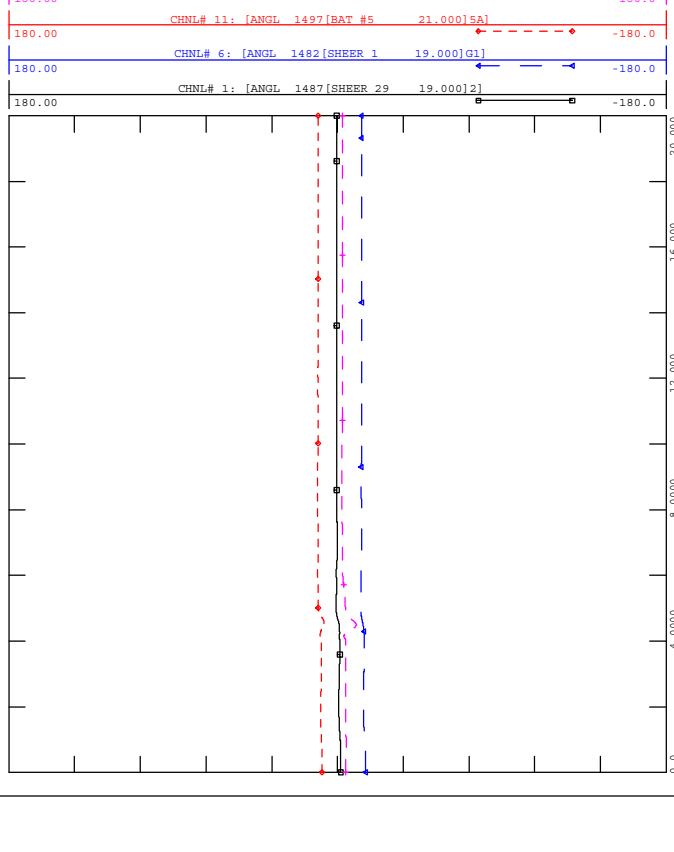


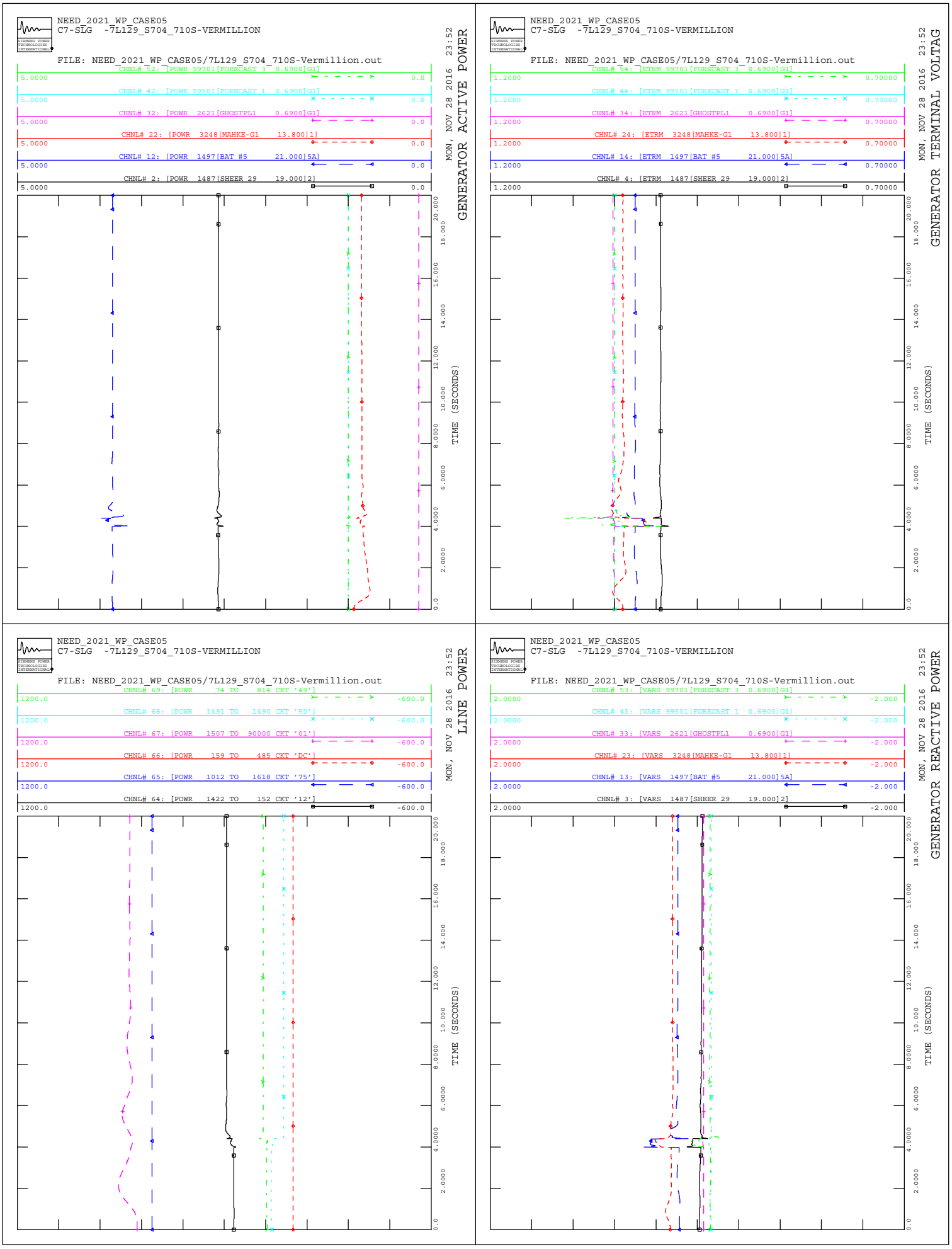
NEED_2021_WP_CASE05
C7-SLG -7L129_S704_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L129_S704_710S-Vermillion.out

MON, NOV 28 2016 23:52

MACHINE ANGEL



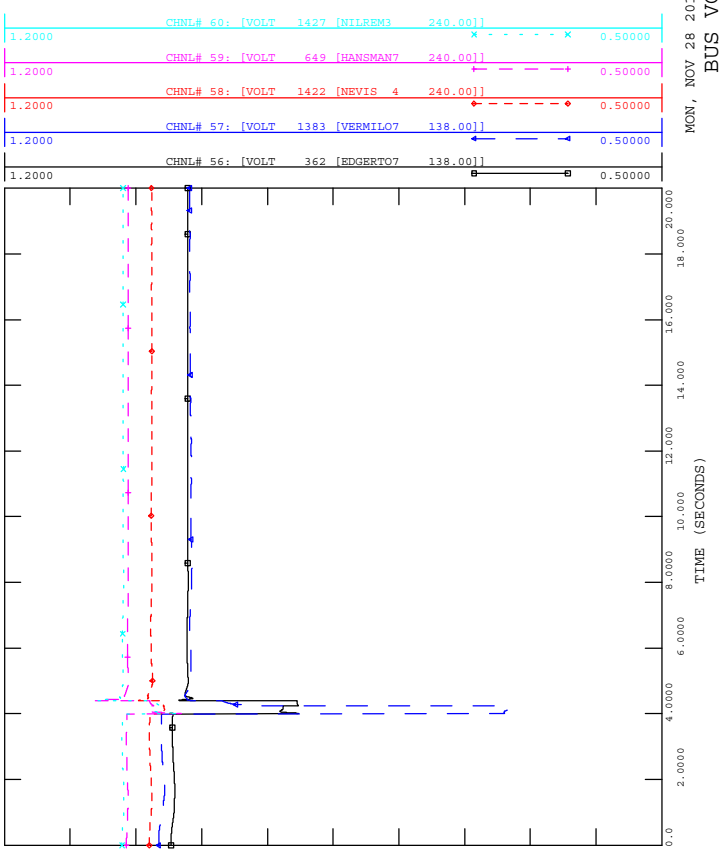

NEED_2021_WP_CASE05
C7-SLG -7L129_S704_710S-VERMILLION
FILE: NEED_2021_WP_CASE05/7L129_S704_710S-Vermillion.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 28 2016 23:52
LINE POWER
TIME (SECONDS)
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -7L117_S701_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L117_S701_710S-Vermillion.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

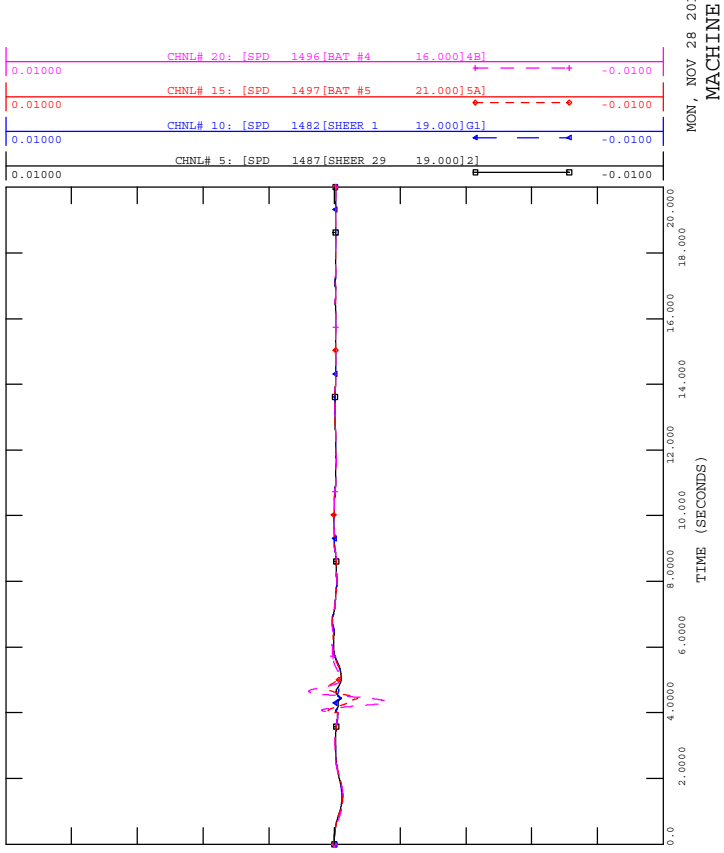


NEED_2021_WP_CASE05
C7-SLG -7L117_S701_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L117_S701_710S-Vermillion.out

MON, NOV 28 2016 23:52

MACHINE SPEED

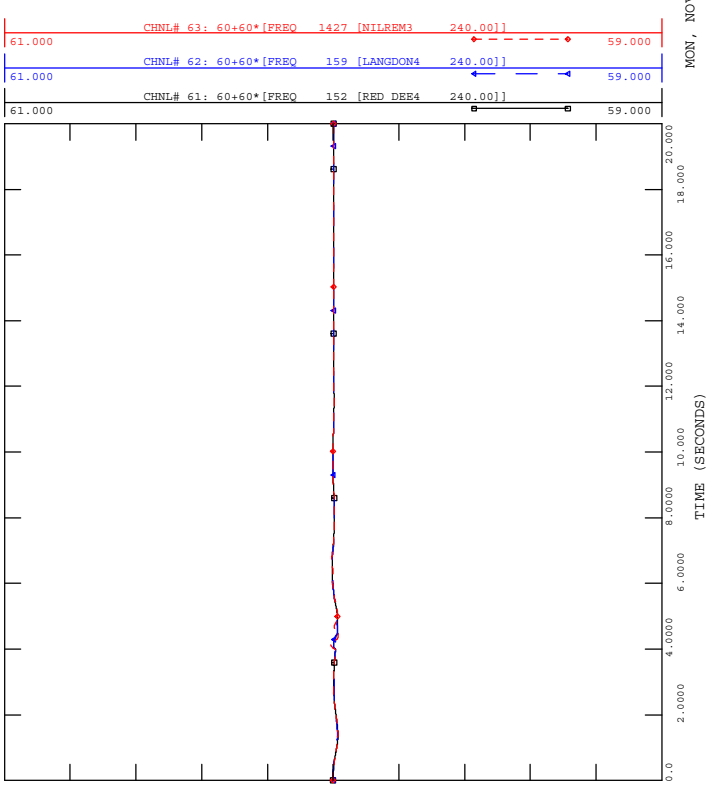


NEED_2021_WP_CASE05
C7-SLG -7L117_S701_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L117_S701_710S-Vermillion.out

MON, NOV 28 2016 23:52

FREQUENCY

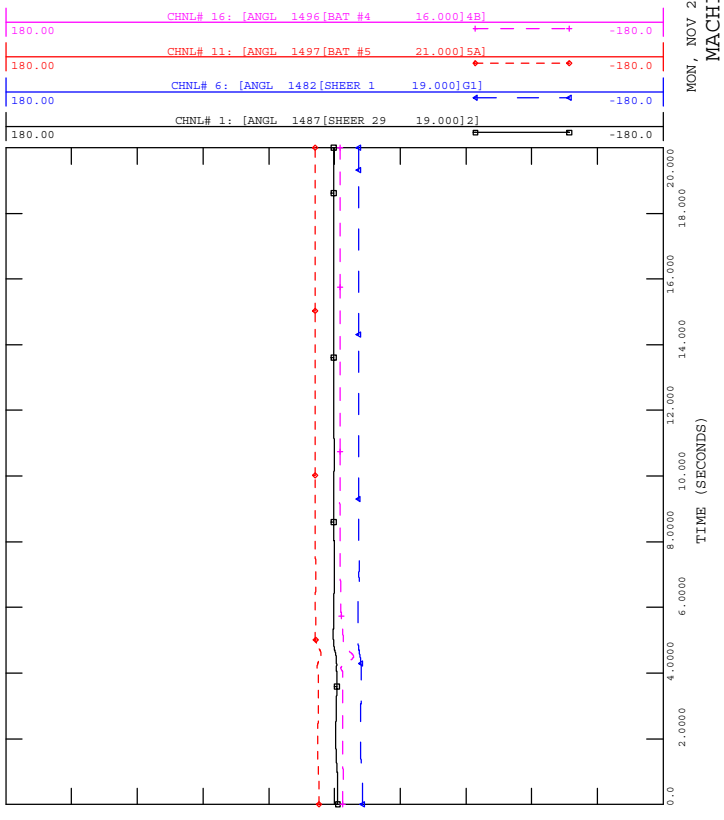


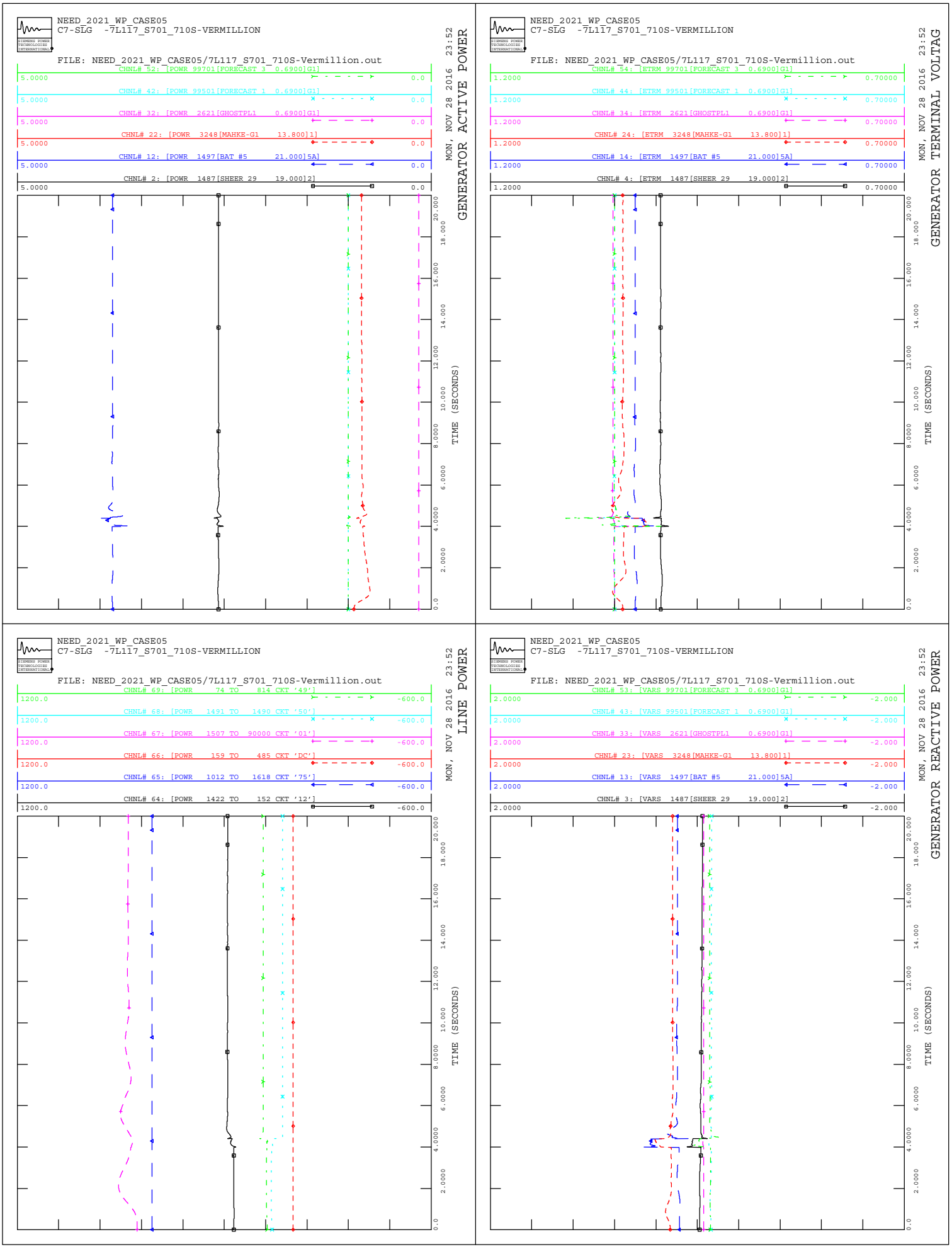
NEED_2021_WP_CASE05
C7-SLG -7L117_S701_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L117_S701_710S-Vermillion.out

MON, NOV 28 2016 23:52

MACHINE ANGEL

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C7-SLG -7L117_S701_710S-VERMILLION
FILE: NEED_2021_WP_CASE05/7L117_S701_710S-Vermillion.out
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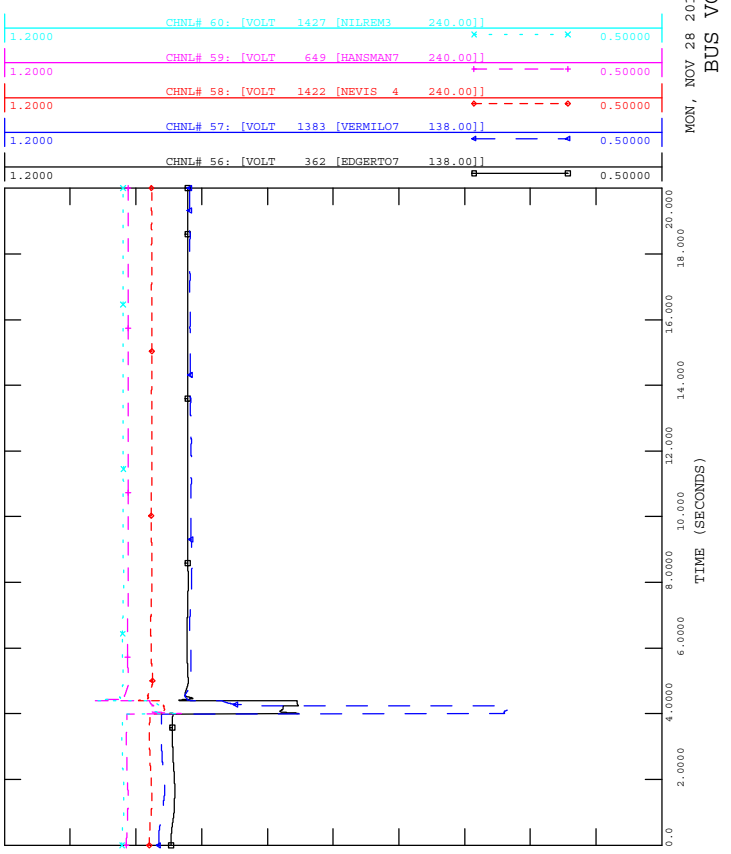
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C7-SLG -7L117_S701_710S-VERMILLION
FILE: NEED_2021_WP_CASE05/7L117_S701_710S-Vermillion.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C7-SLG -7L117_S701_710S-VERMILLION
FILE: NEED_2021_WP_CASE05/7L117_S701_710S-Vermillion.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:52
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C7-SLG -7L117_S701_710S-VERMILLION
FILE: NEED_2021_WP_CASE05/7L117_S701_710S-Vermillion.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_WP_CASE05
C7-SLG -7L130_S702_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L130_S702_710S-Vermillion.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

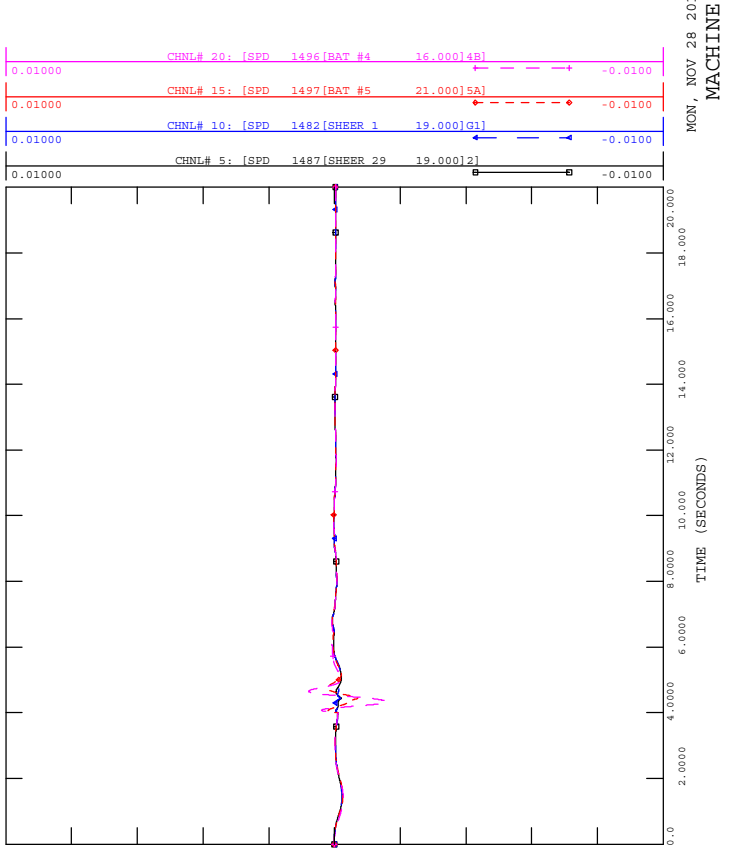


NEED_2021_WP_CASE05
C7-SLG -7L130_S702_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L130_S702_710S-Vermillion.out

MON, NOV 28 2016 23:52

MACHINE SPEED

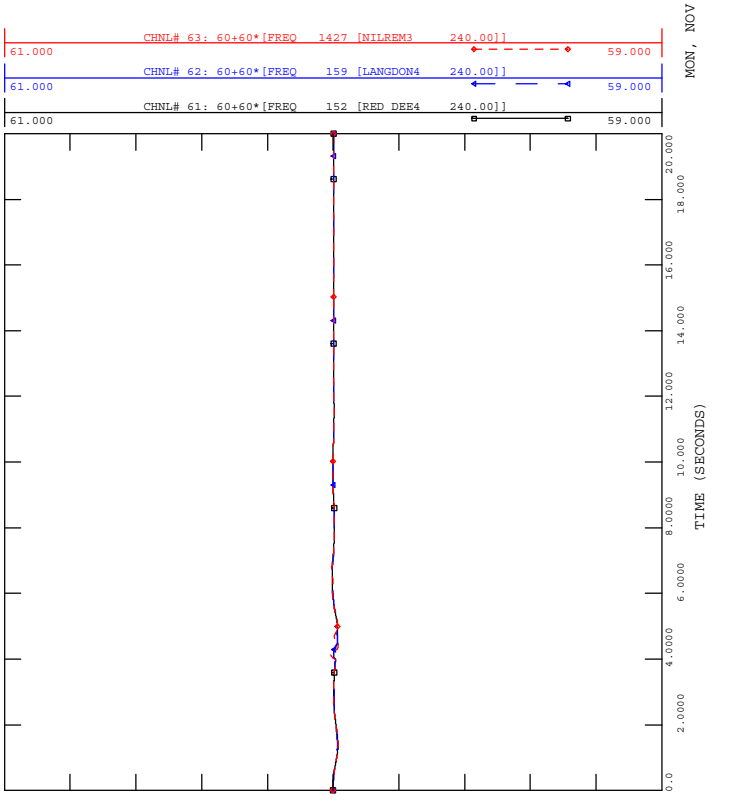


NEED_2021_WP_CASE05
C7-SLG -7L130_S702_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L130_S702_710S-Vermillion.out

MON, NOV 28 2016 23:52

FREQUENCY

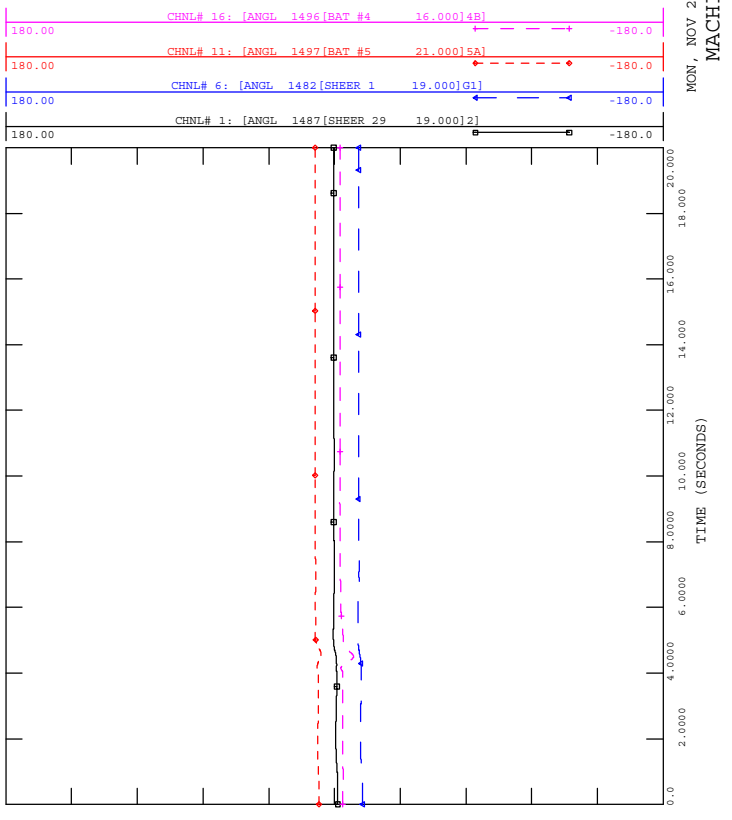


NEED_2021_WP_CASE05
C7-SLG -7L130_S702_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L130_S702_710S-Vermillion.out

MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -7L130_S702_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L130_S702_710S-Vermillion.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

MON, NOV 28 2016 23:52

GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -7L130_S702_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L130_S702_710S-Vermillion.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

MON, NOV 28 2016 23:52

GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -7L130_S702_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L130_S702_710S-Vermillion.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

MON, NOV 28 2016 23:52

LINE POWER

NEED_2021_WP_CASE05
C7-SLG -7L130_S702_710S-VERMILLION

FILE: NEED_2021_WP_CASE05/7L130_S702_710S-Vermillion.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
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CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

MON, NOV 28 2016 23:52

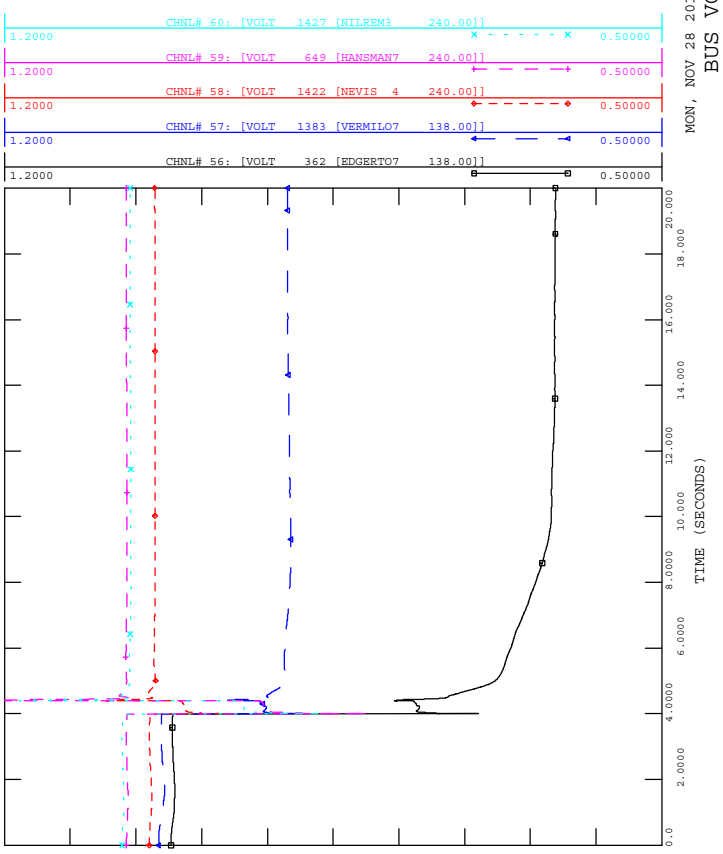
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -472L_S472_648S-METISKOW

FILE: NEED_2021_WP_CASE05/472L_S472_648S-Metiskow.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

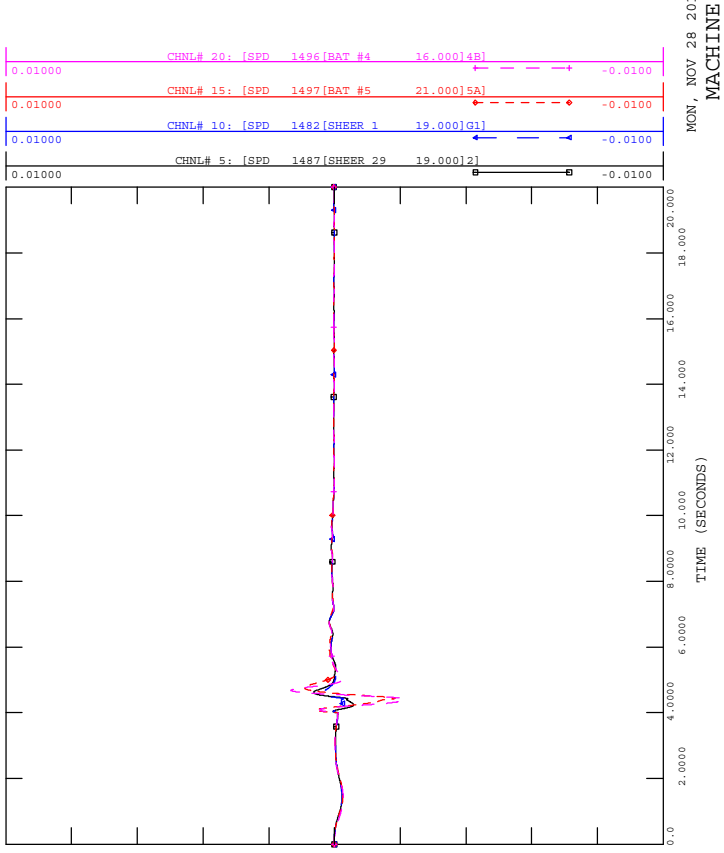


NEED_2021_WP_CASE05
C7-SLG -472L_S472_648S-METISKOW

FILE: NEED_2021_WP_CASE05/472L_S472_648S-Metiskow.out

MON, NOV 28 2016 23:52

MACHINE SPEED

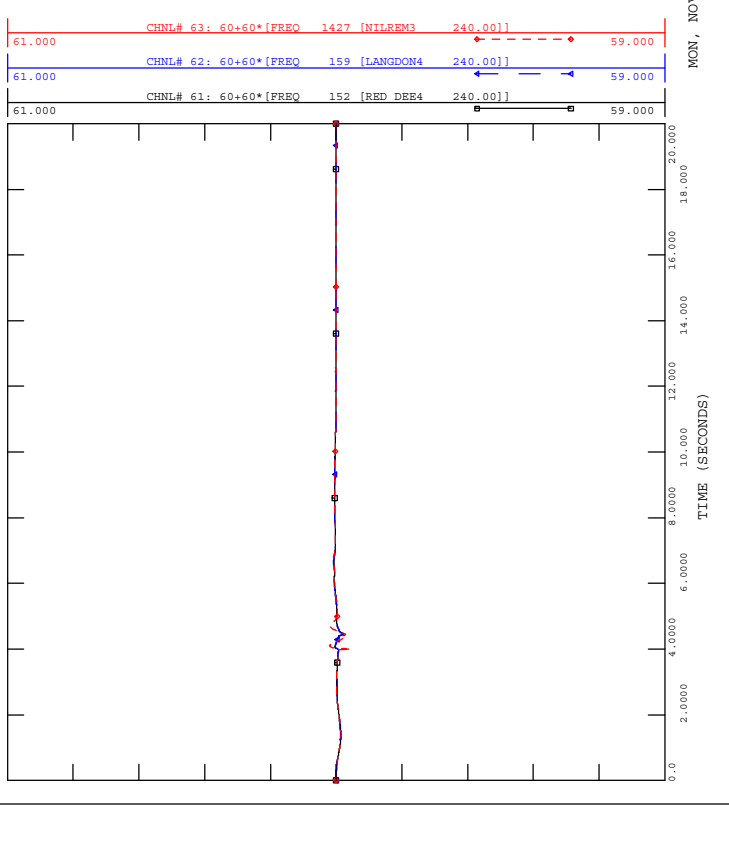


NEED_2021_WP_CASE05
C7-SLG -472L_S472_648S-METISKOW

FILE: NEED_2021_WP_CASE05/472L_S472_648S-Metiskow.out

MON, NOV 28 2016 23:52

FREQUENCY

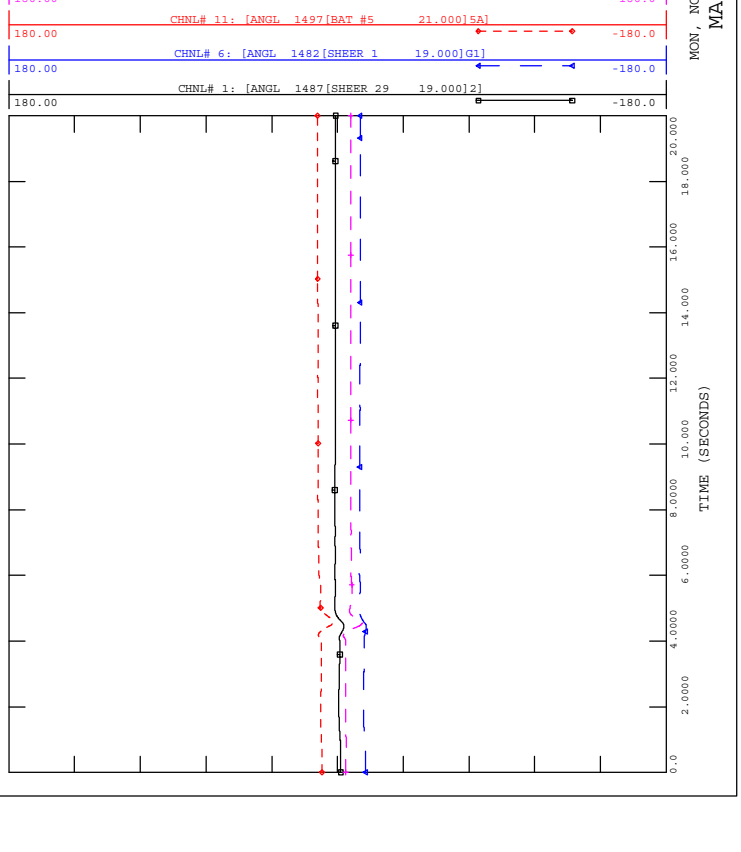


NEED_2021_WP_CASE05
C7-SLG -472L_S472_648S-METISKOW

FILE: NEED_2021_WP_CASE05/472L_S472_648S-Metiskow.out

MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -472L_S472_648S-METISKOW

FILE: NEED_2021_WP_CASE05/472L_S472_648S-Metiskow.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
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CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

GENERATOR ACTIVE POWER
MON, NOV 28 2016 23:52
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -472L_S472_648S-METISKOW

FILE: NEED_2021_WP_CASE05/472L_S472_648S-Metiskow.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
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CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

GENERATOR TERMINAL VOLTAG
MON, NOV 28 2016 23:52
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -472L_S472_648S-METISKOW

FILE: NEED_2021_WP_CASE05/472L_S472_648S-Metiskow.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

LINE POWER
MON, NOV 28 2016 23:52
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -472L_S472_648S-METISKOW

FILE: NEED_2021_WP_CASE05/472L_S472_648S-Metiskow.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

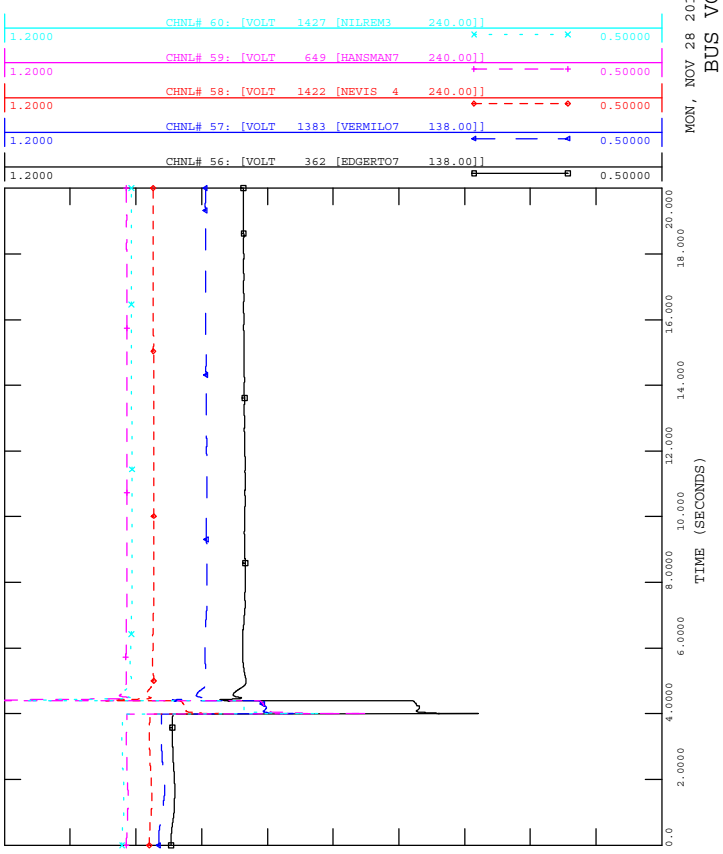
GENERATOR REACTIVE POWER
MON, NOV 28 2016 23:52
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -749L_S749E_648S-METISKOW

FILE: NEED_2021_WP_CASE05/749L_S749E_648S-Metiskow.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

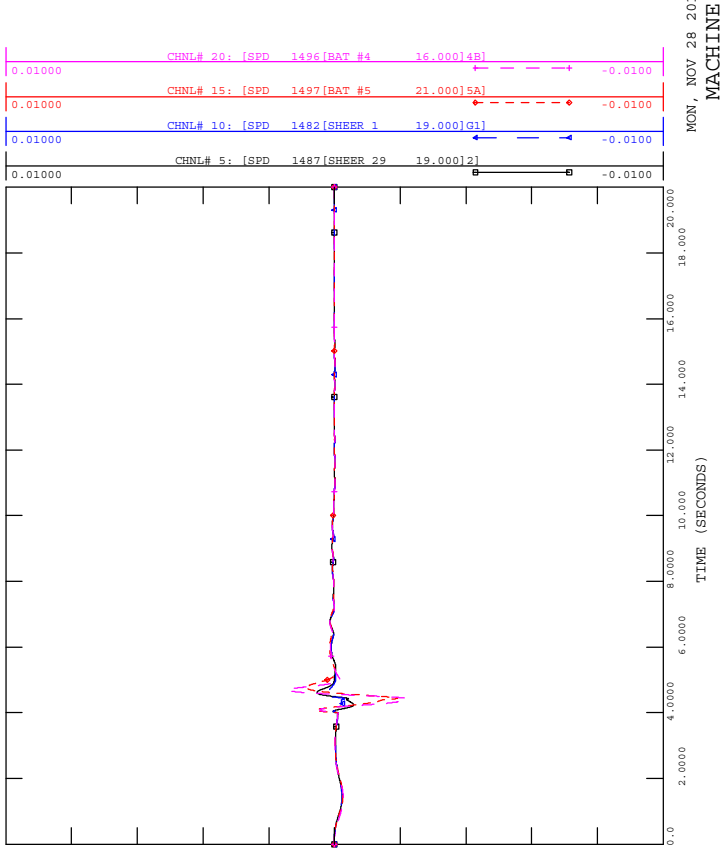


NEED_2021_WP_CASE05
C7-SLG -749L_S749E_648S-METISKOW

FILE: NEED_2021_WP_CASE05/749L_S749E_648S-Metiskow.out

MON, NOV 28 2016 23:52

MACHINE SPEED

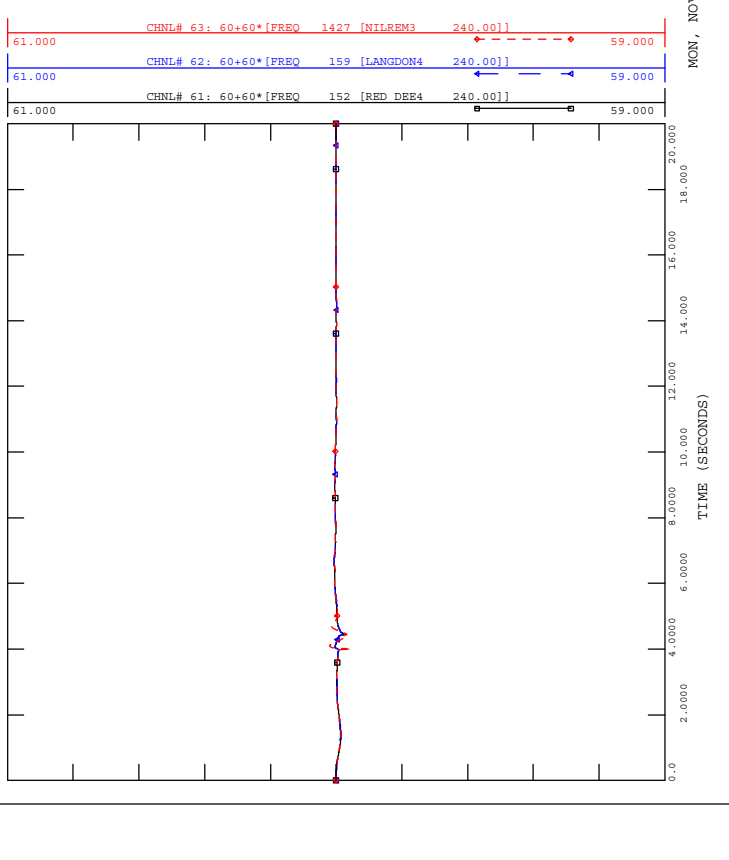


NEED_2021_WP_CASE05
C7-SLG -749L_S749E_648S-METISKOW

FILE: NEED_2021_WP_CASE05/749L_S749E_648S-Metiskow.out

MON, NOV 28 2016 23:52

FREQUENCY

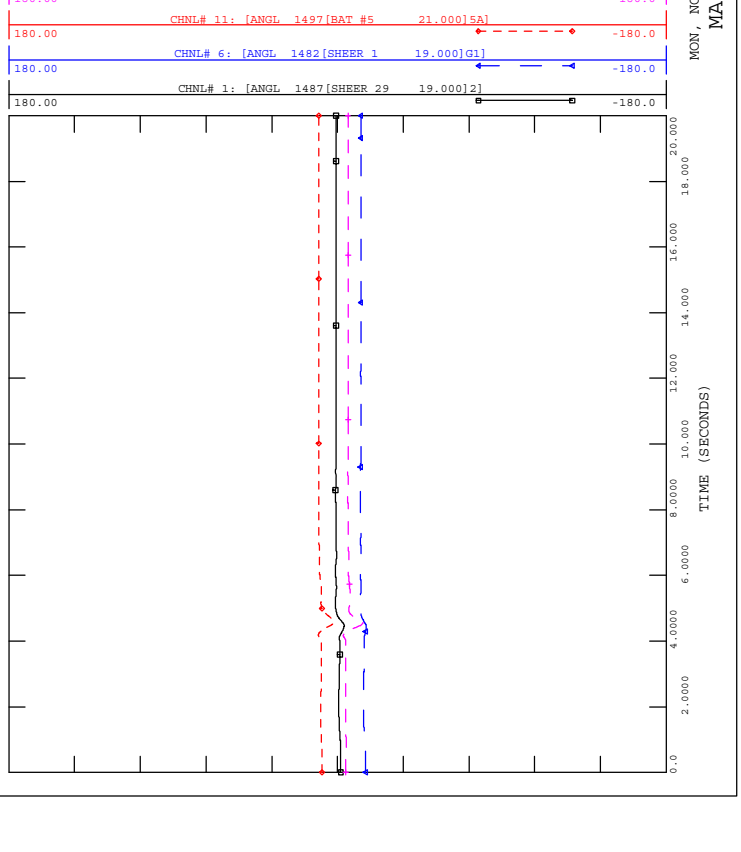


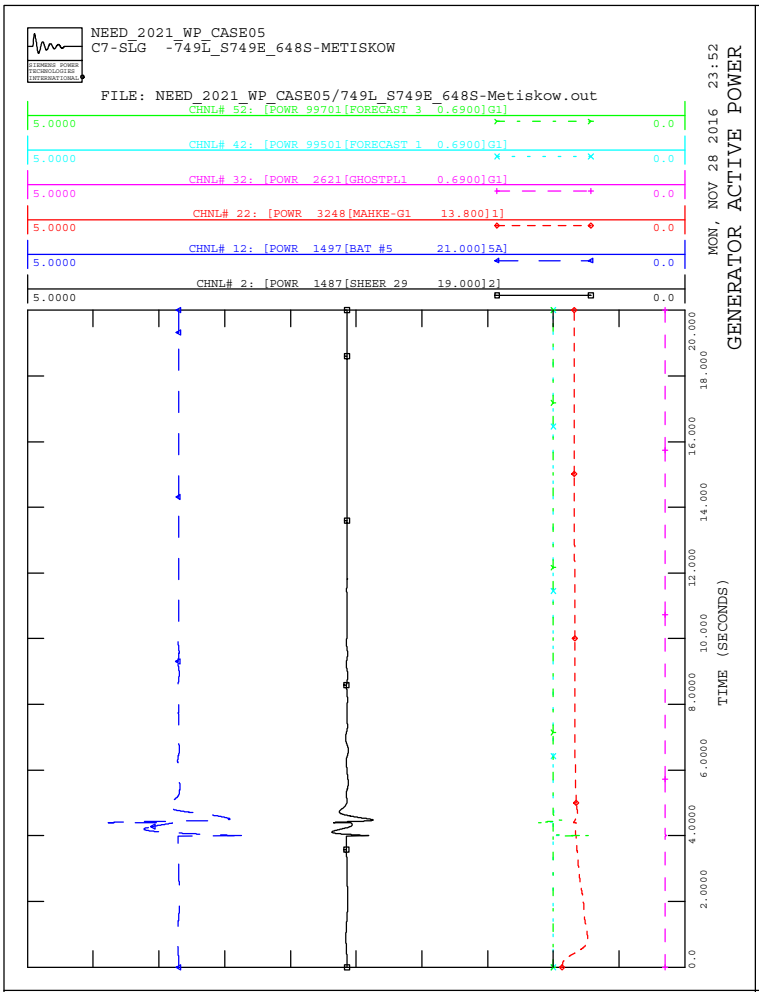
NEED_2021_WP_CASE05
C7-SLG -749L_S749E_648S-METISKOW

FILE: NEED_2021_WP_CASE05/749L_S749E_648S-Metiskow.out

MON, NOV 28 2016 23:52

MACHINE ANGEL

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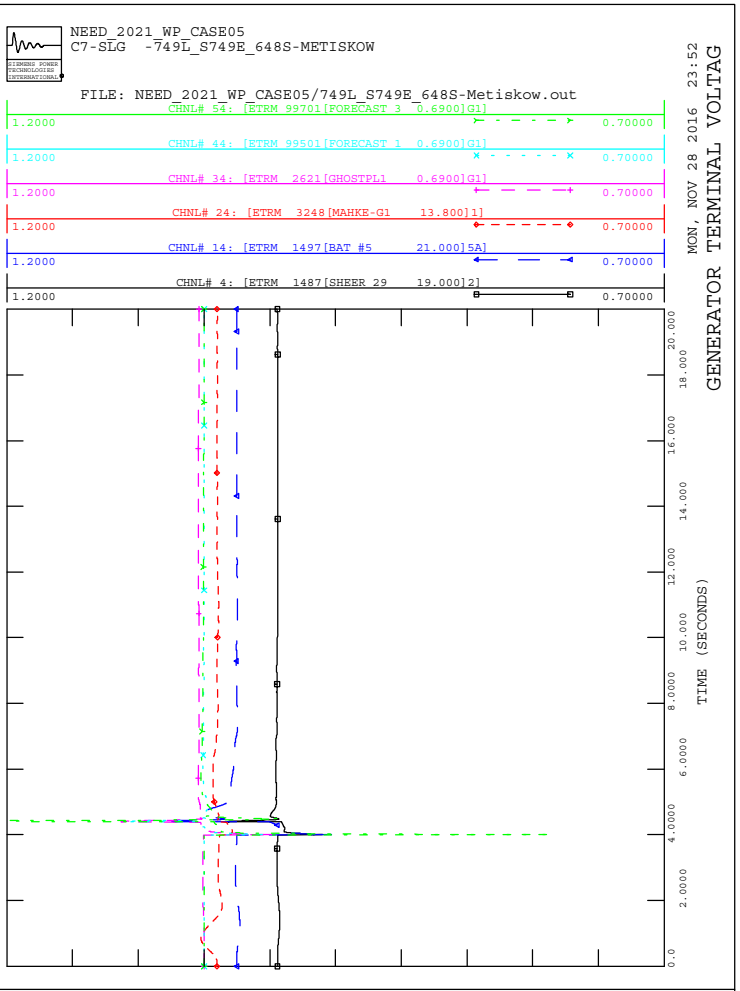
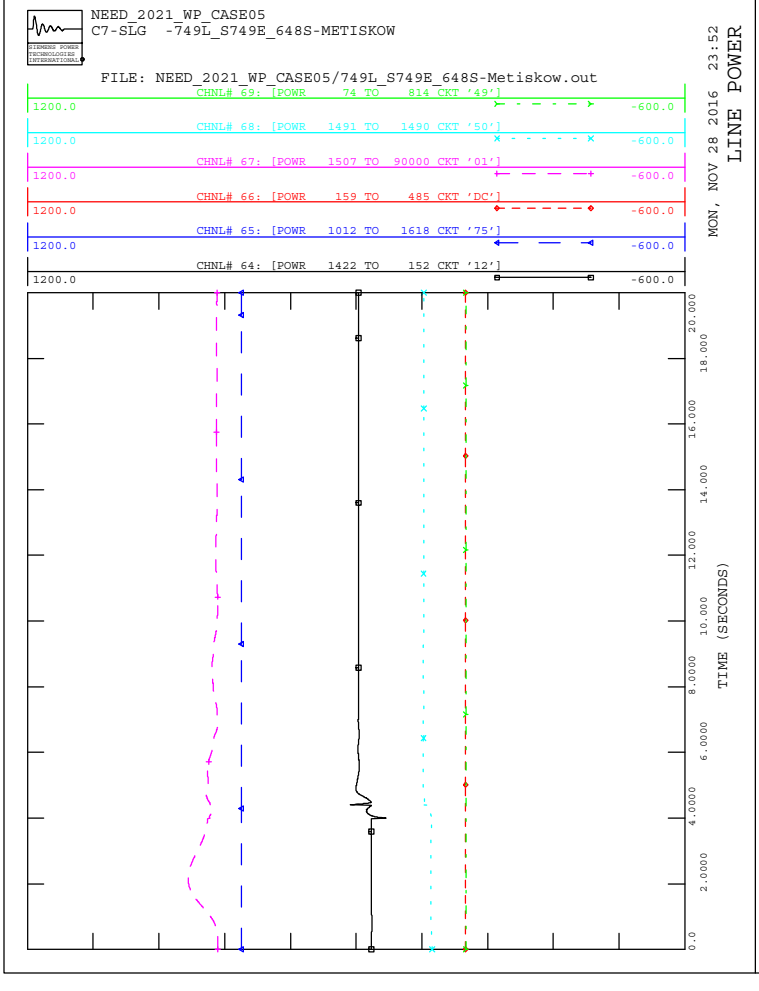
C7-SLG -749L_S749E_648S-METISKOW
FILE: NEED_2021_WP_CASE05/749L_S749E_648S-Metiskow.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C7-SLG -749L_S749E_648S-METISKOW
FILE: NEED_2021_WP_CASE05/749L_S749E_648S-Metiskow.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C7-SLG -749L_S749E_648S-METISKOW
FILE: NEED_2021_WP_CASE05/749L_S749E_648S-Metiskow.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
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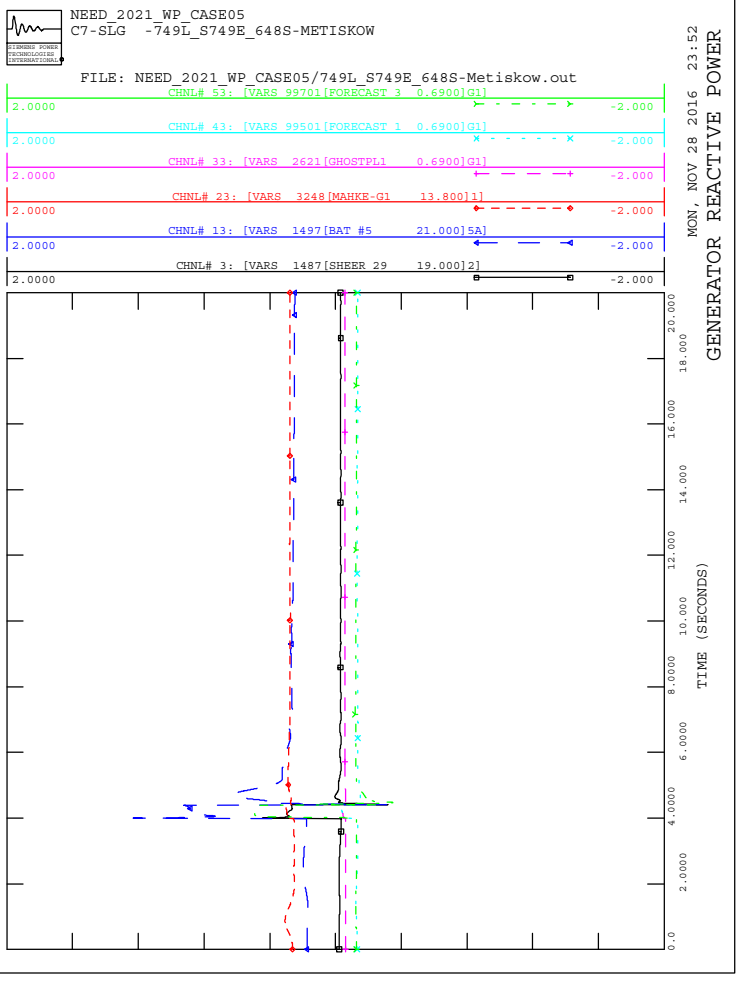
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:52
LINE POWER


NEED_2021_WP_CASE05
C7-SLG -749L_S749E_648S-METISKOW
FILE: NEED_2021_WP_CASE05/749L_S749E_648S-Metiskow.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
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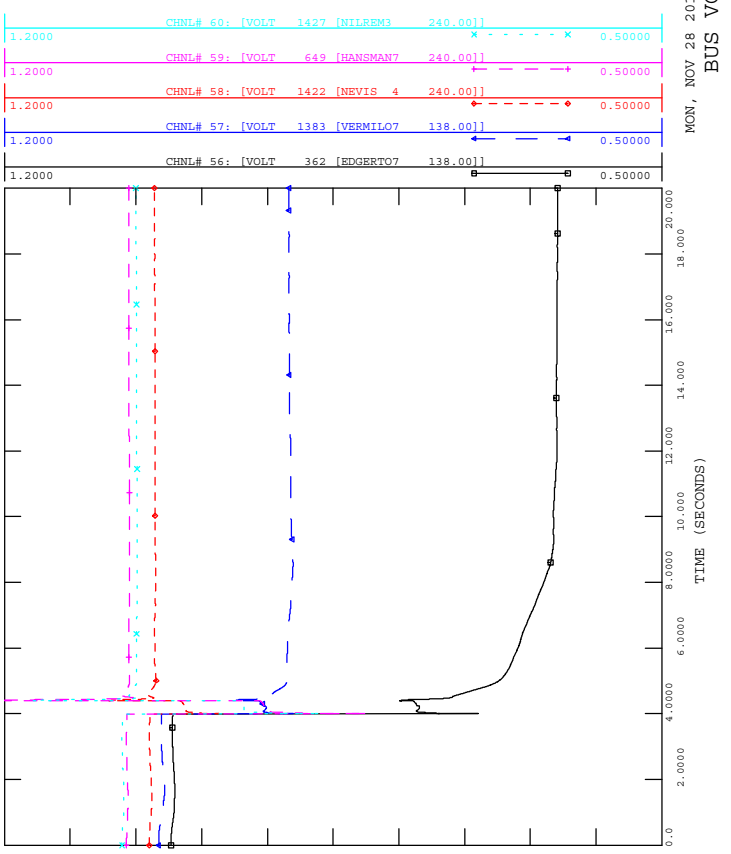
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -885L_S885_648S-METISKOW

FILE: NEED_2021_WP_CASE05/885L_S885_648S-Metiskow.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

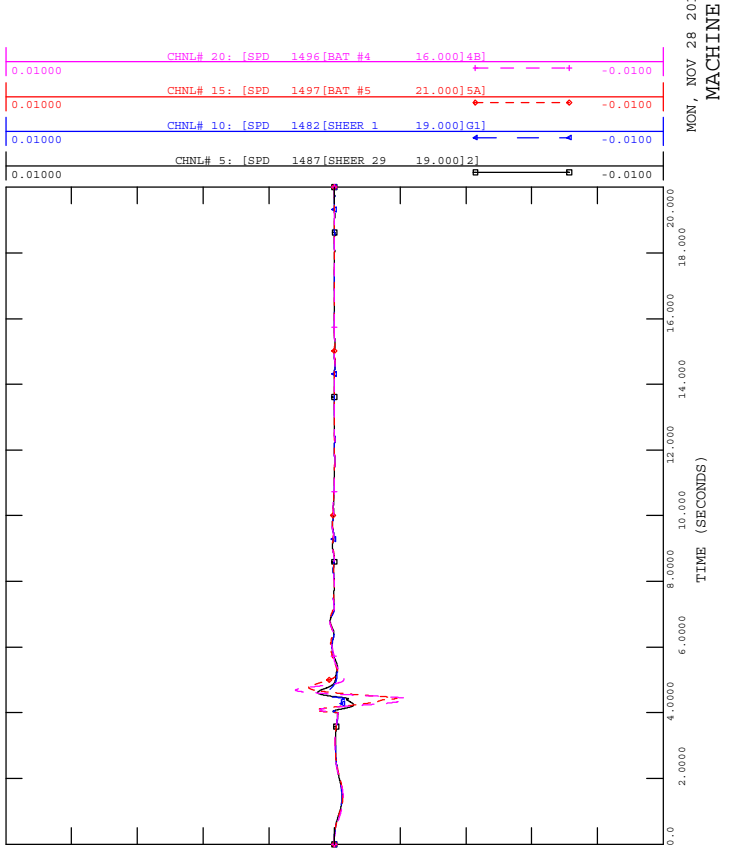


NEED_2021_WP_CASE05
C7-SLG -885L_S885_648S-METISKOW

FILE: NEED_2021_WP_CASE05/885L_S885_648S-Metiskow.out

MON, NOV 28 2016 23:52

MACHINE SPEED

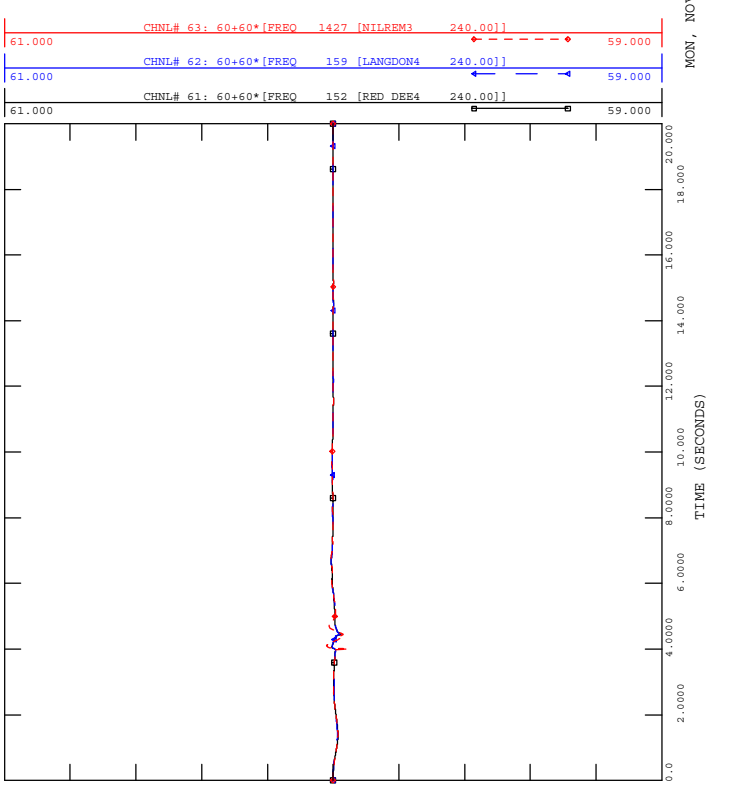


NEED_2021_WP_CASE05
C7-SLG -885L_S885_648S-METISKOW

FILE: NEED_2021_WP_CASE05/885L_S885_648S-Metiskow.out

MON, NOV 28 2016 23:52

FREQUENCY

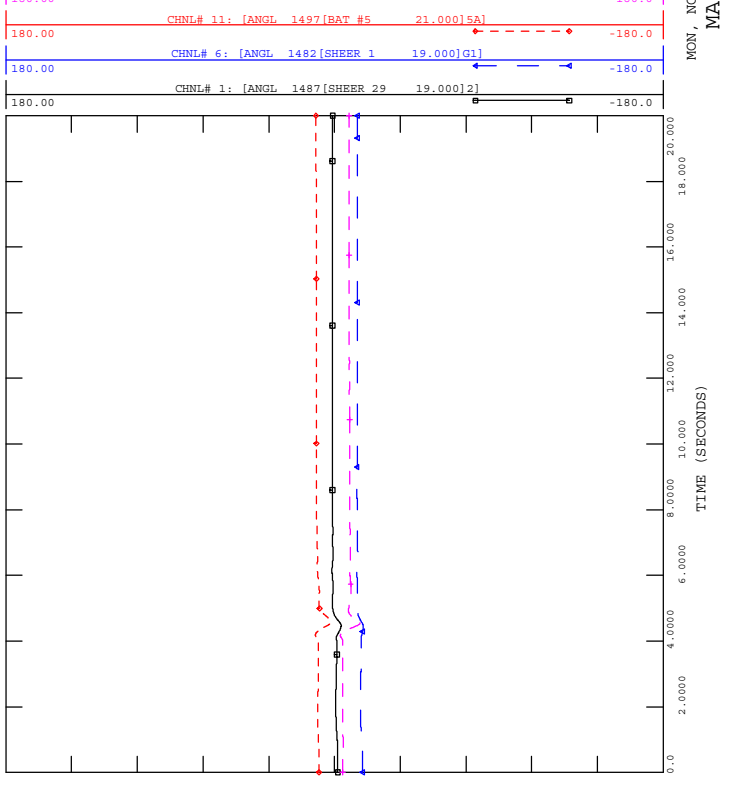


NEED_2021_WP_CASE05
C7-SLG -885L_S885_648S-METISKOW

FILE: NEED_2021_WP_CASE05/885L_S885_648S-Metiskow.out

MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -885L_S885_648S-METISKOW

FILE: NEED_2021_WP_CASE05/885L_S885_648S-Metiskow.out

CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

MON, NOV 28 2016 23:52

GENERATOR ACTIVE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -885L_S885_648S-METISKOW

FILE: NEED_2021_WP_CASE05/885L_S885_648S-Metiskow.out

CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

MON, NOV 28 2016 23:52

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -885L_S885_648S-METISKOW

FILE: NEED_2021_WP_CASE05/885L_S885_648S-Metiskow.out

CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

MON, NOV 28 2016 23:52

LINE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -885L_S885_648S-METISKOW

FILE: NEED_2021_WP_CASE05/885L_S885_648S-Metiskow.out

CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

MON, NOV 28 2016 23:52

GENERATOR REACTIVE POWER

TIME (SECONDS)

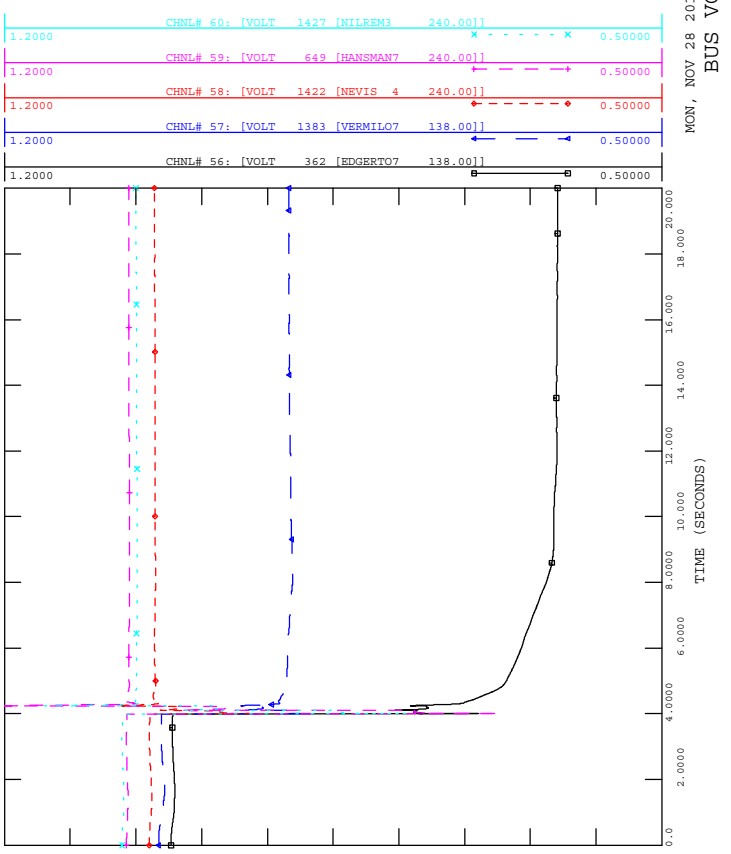
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -954L_S29_648S-METISKOW

FILE: NEED_2021_WP_CASE05/954L_S29_648S-Metiskow.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

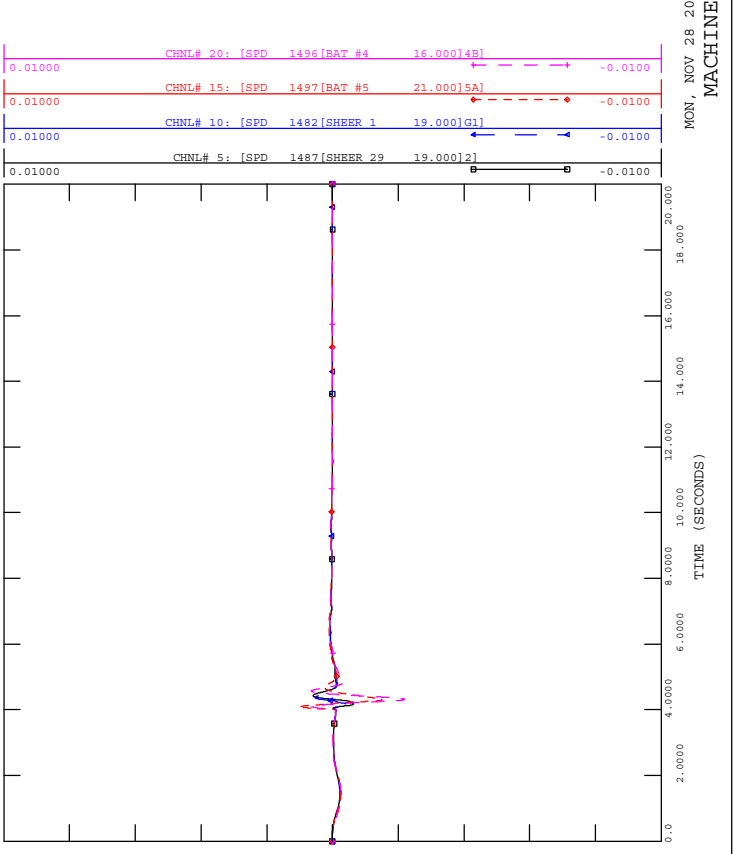


NEED_2021_WP_CASE05
C7-SLG -954L_S29_648S-METISKOW

FILE: NEED_2021_WP_CASE05/954L_S29_648S-Metiskow.out

MON, NOV 28 2016 23:52

MACHINE SPEED



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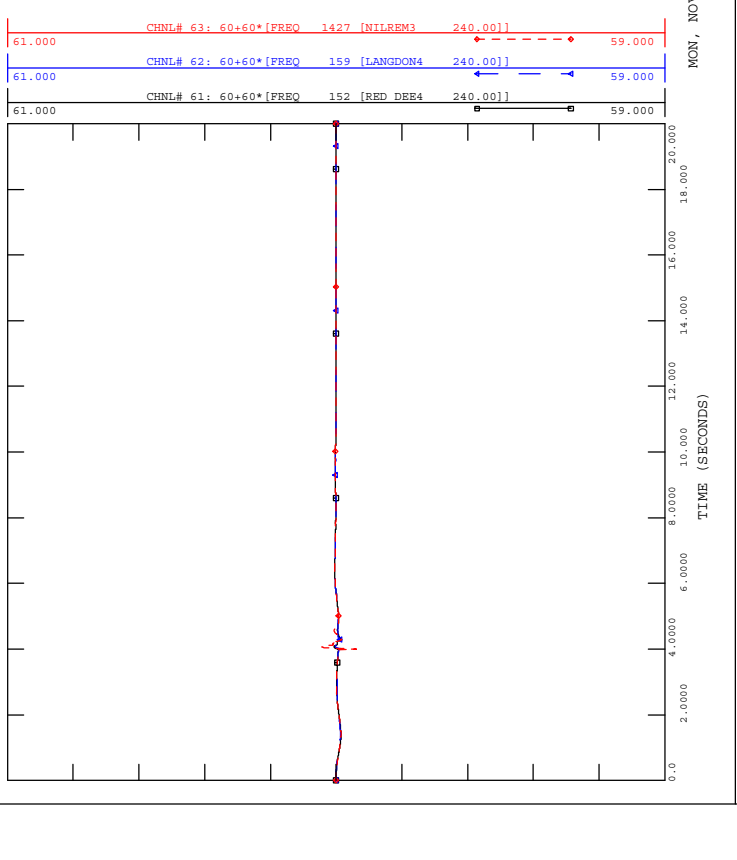
C7-SLG -954L_S29_648S-METISKOW

FILE: NEED_2021_WP_CASE05/954L_S29_648S-Metiskow.out

MON, NOV 28 2016 23:52

FREQUENCY

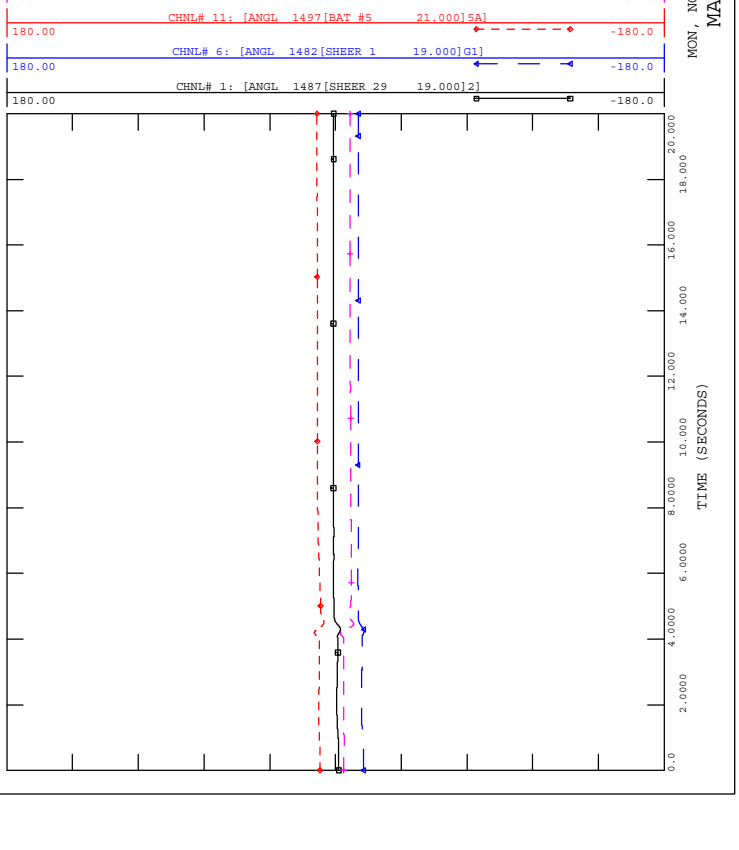


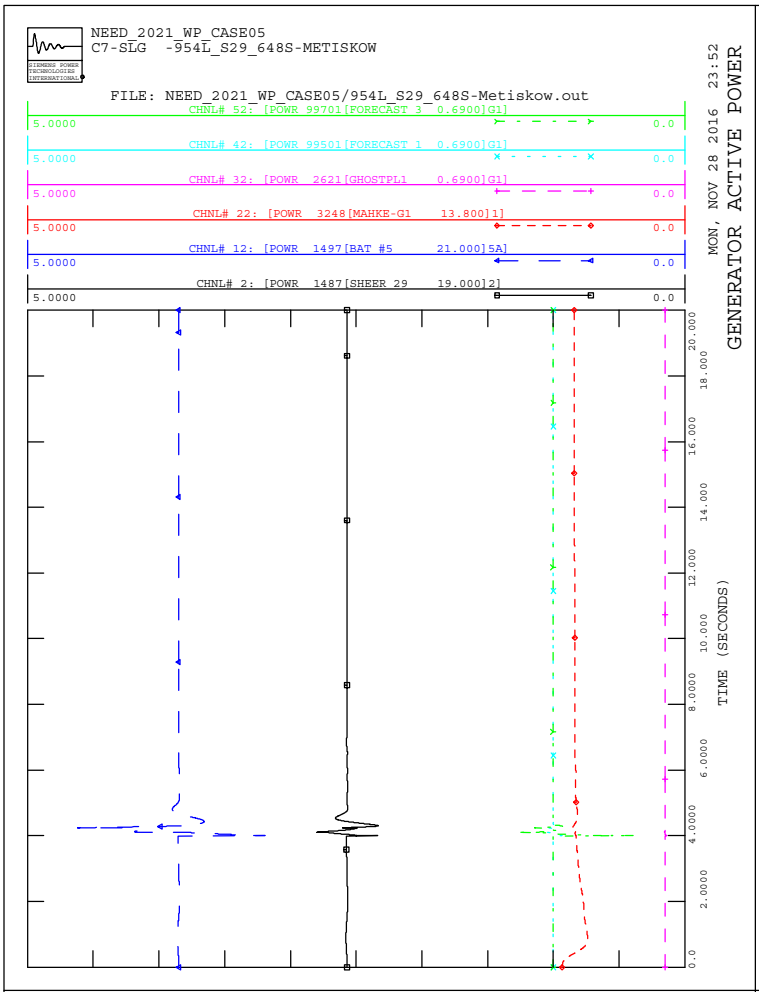
NEED_2021_WP_CASE05
C7-SLG -954L_S29_648S-METISKOW

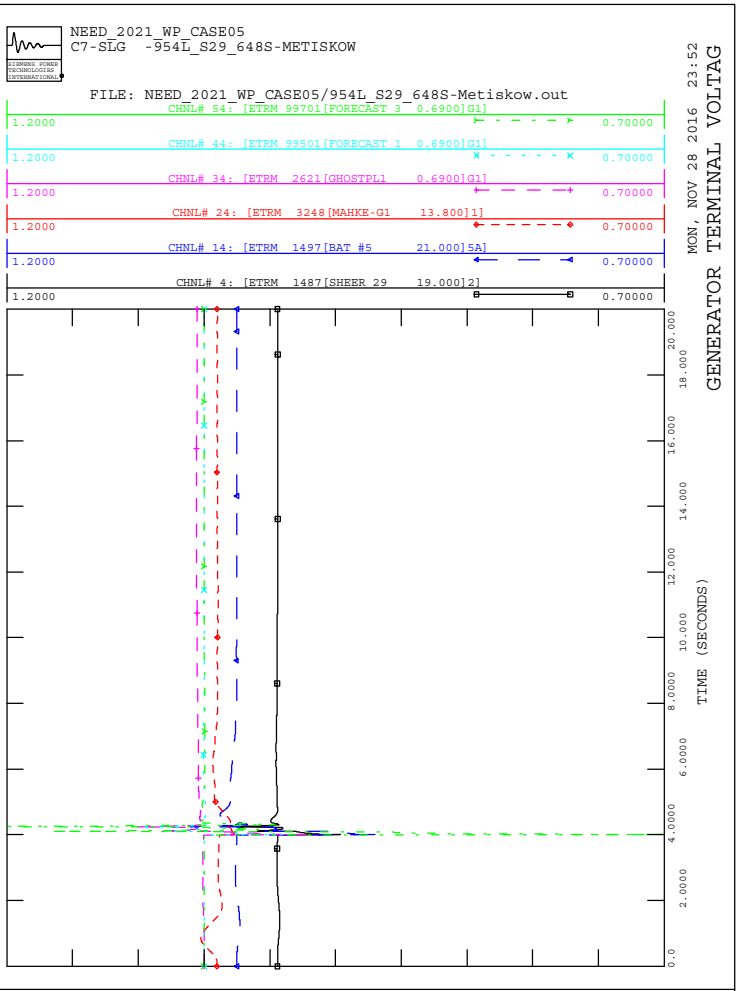
FILE: NEED_2021_WP_CASE05/954L_S29_648S-Metiskow.out

MON, NOV 28 2016 23:52

MACHINE ANGEL




NEED_2021_WP_CASE05
C7-SLG -954L_S29_648S-METISKOW
FILE: NEED_2021_WP_CASE05/954L_S29_648S-Metiskow.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
GENERATOR ACTIVE POWER
MON, NOV 28 2016 23:52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C7-SLG -954L_S29_648S-METISKOW
FILE: NEED_2021_WP_CASE05/954L_S29_648S-Metiskow.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
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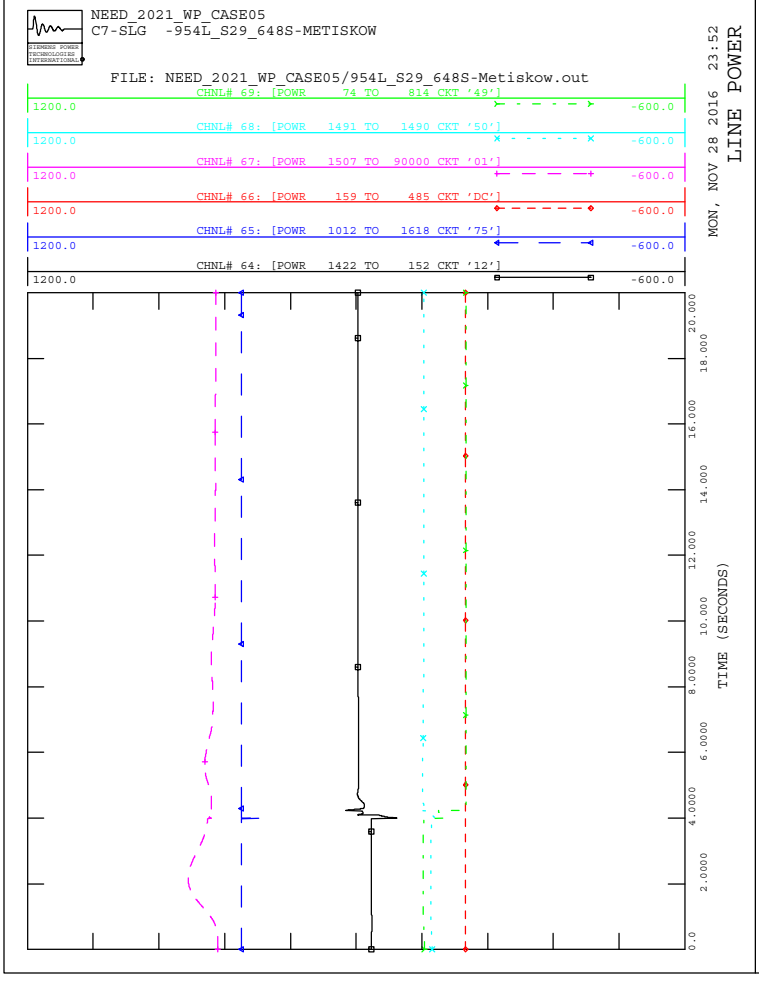
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
GENERATOR TERMINAL VOLTAG
MON, NOV 28 2016 23:52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C7-SLG -954L_S29_648S-METISKOW
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CHNL# 69: [POWR 74 TO 814 CKT '49']
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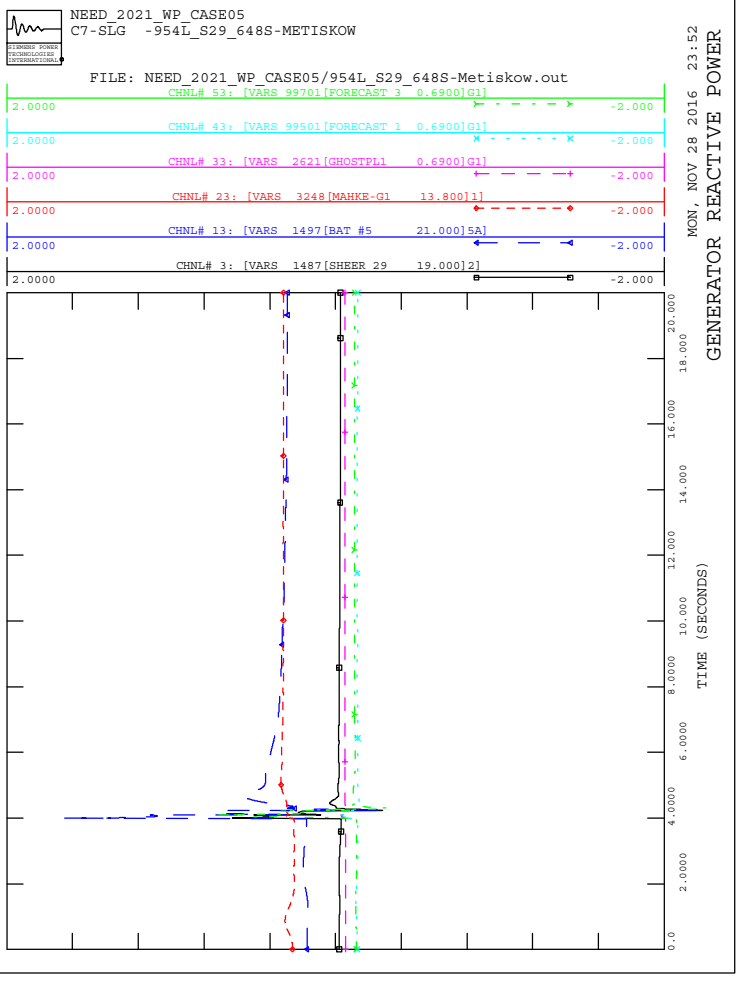
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
LINE POWER
MON, NOV 28 2016 23:52


NEED_2021_WP_CASE05
C7-SLG -954L_S29_648S-METISKOW
FILE: NEED_2021_WP_CASE05/954L_S29_648S-Metiskow.out
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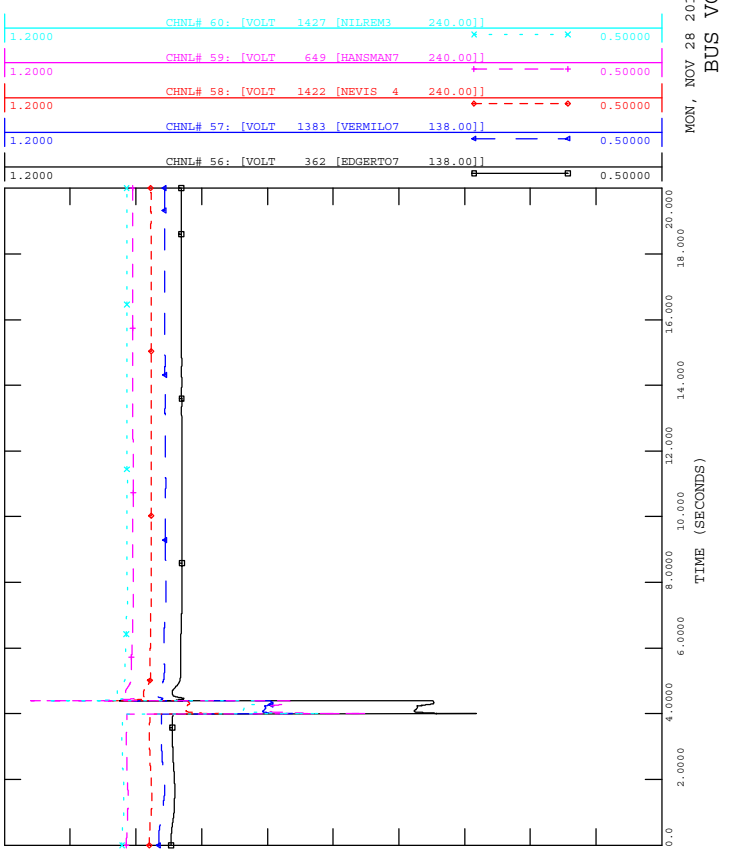
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
GENERATOR REACTIVE POWER
MON, NOV 28 2016 23:52

NEED_2021_WP_CASE05
C7-SLG -715L_S1352_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/715L_S1352_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

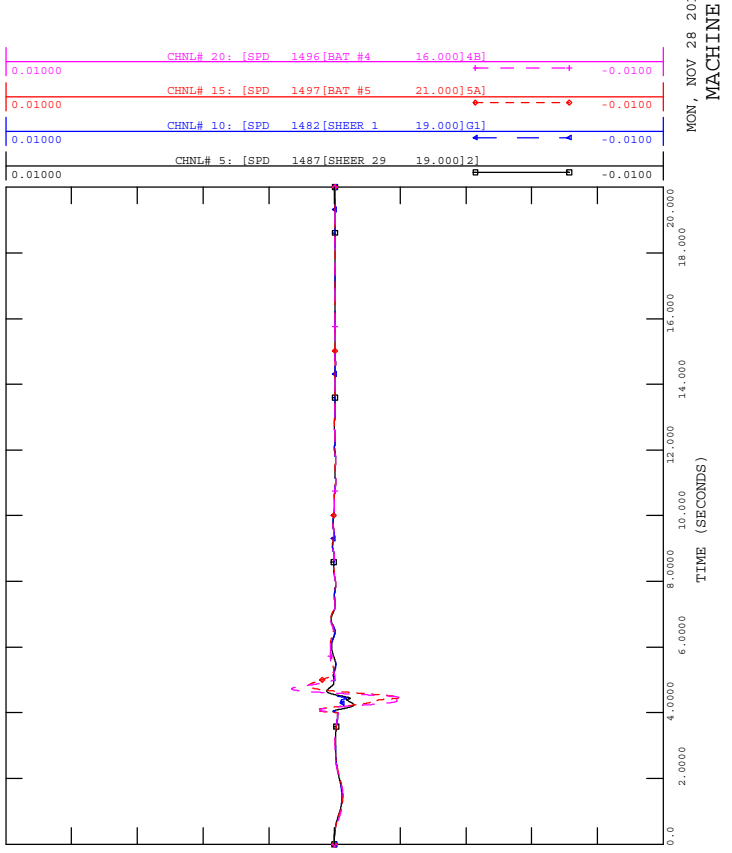


NEED_2021_WP_CASE05
C7-SLG -715L_S1352_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/715L_S1352_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

MACHINE SPEED

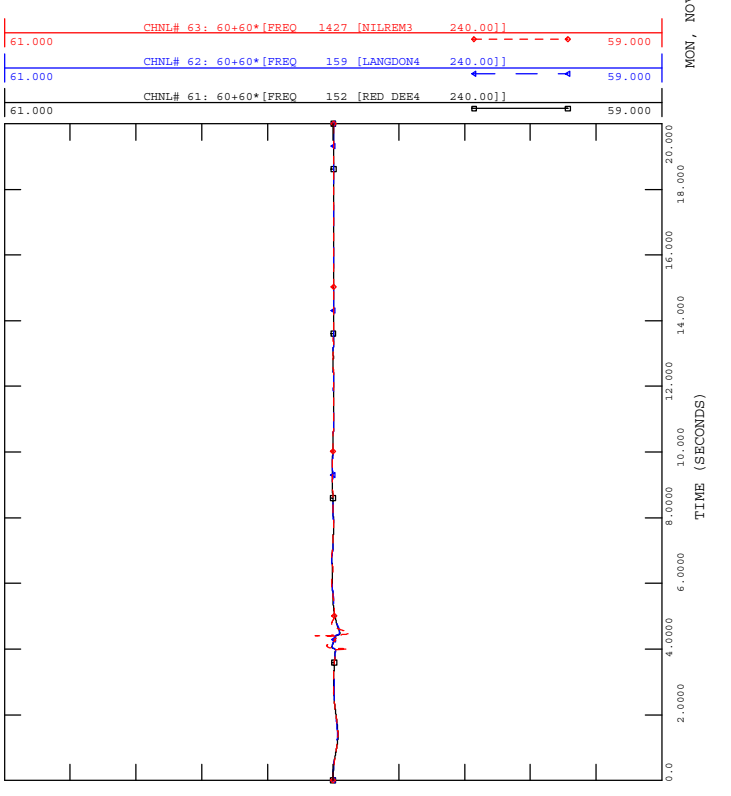


NEED_2021_WP_CASE05
C7-SLG -715L_S1352_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/715L_S1352_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

FREQUENCY

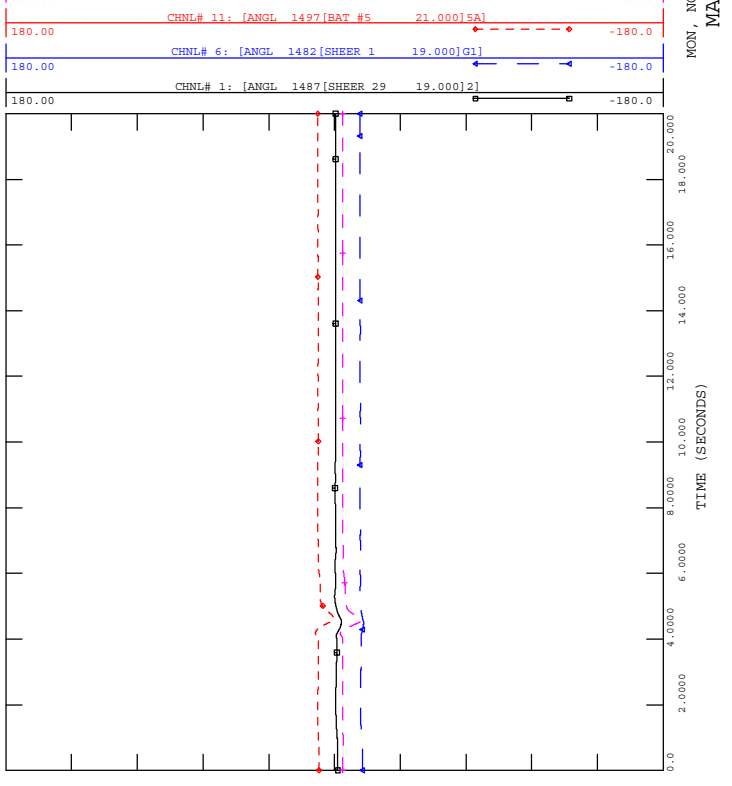


NEED_2021_WP_CASE05
C7-SLG -715L_S1352_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/715L_S1352_650S-Hansman Lake.out

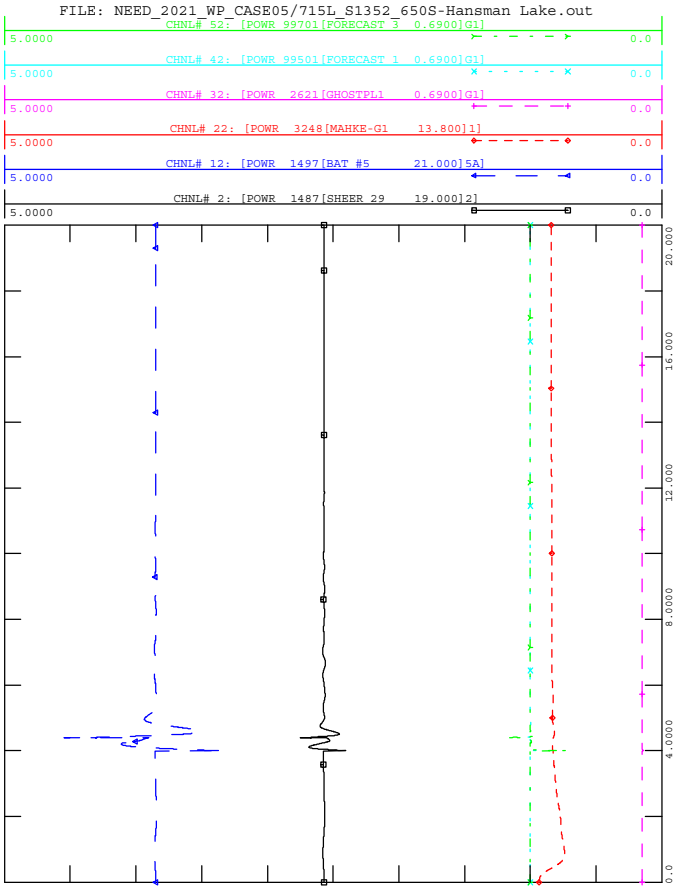
MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -715L_S1352_650S-HANSMAN LAKE

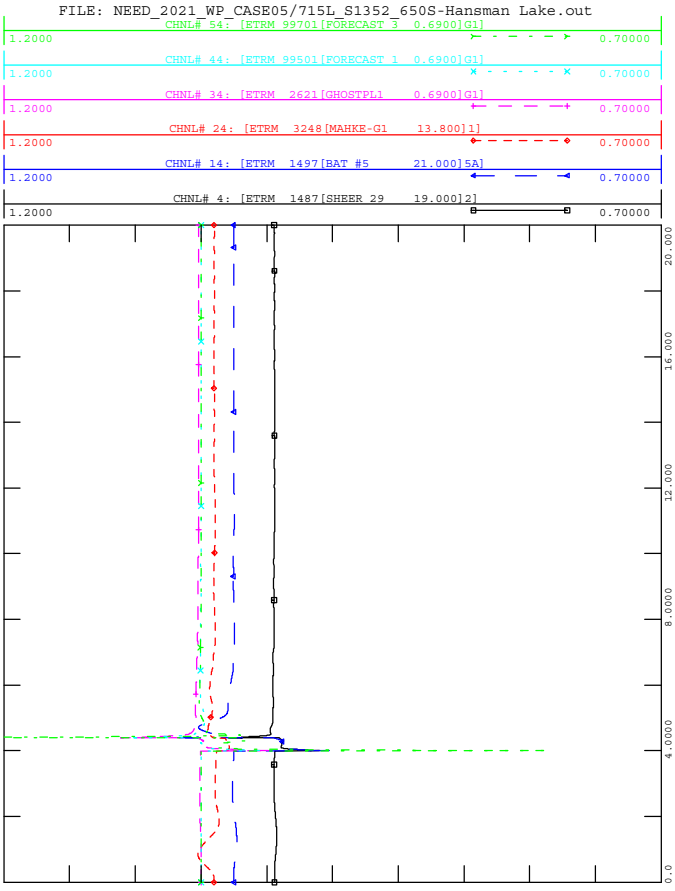
FILE: NEED_2021_WP_CASE05/715L_S1352_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -715L_S1352_650S-HANSMAN LAKE

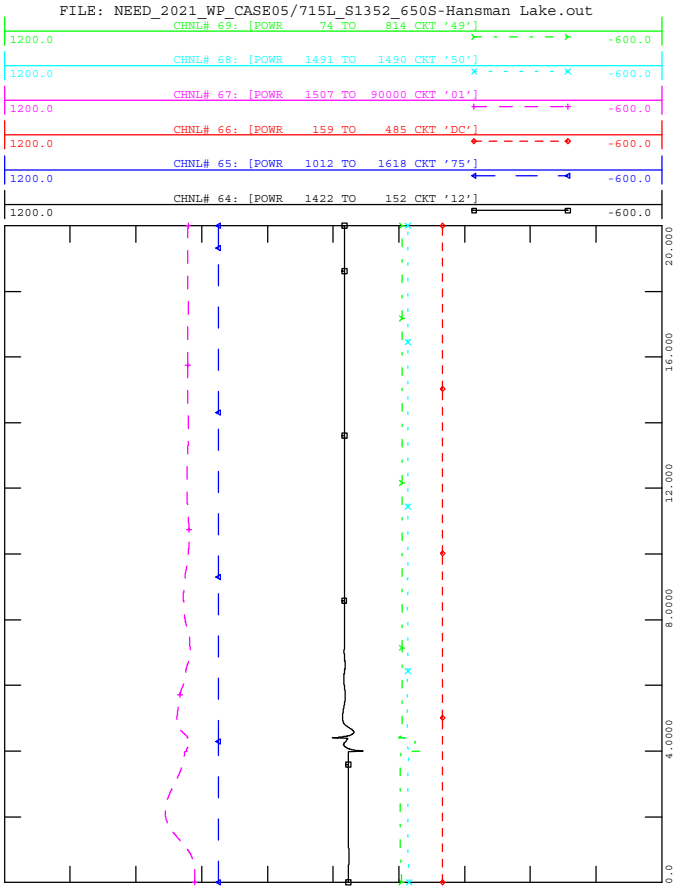
FILE: NEED_2021_WP_CASE05/715L_S1352_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -715L_S1352_650S-HANSMAN LAKE

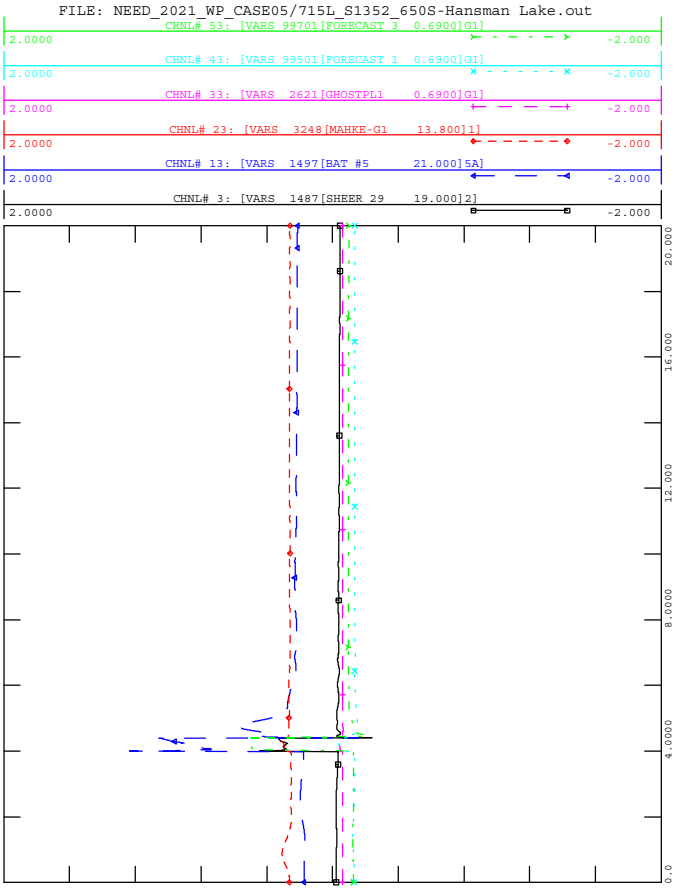
FILE: NEED_2021_WP_CASE05/715L_S1352_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -715L_S1352_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/715L_S1352_650S-Hansman Lake.out



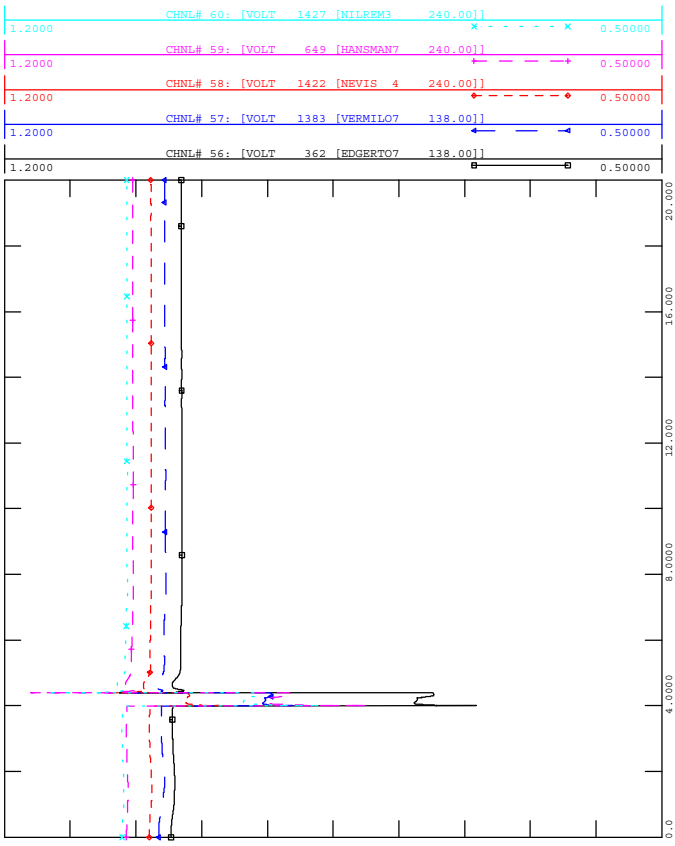
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/7L224_S1752_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

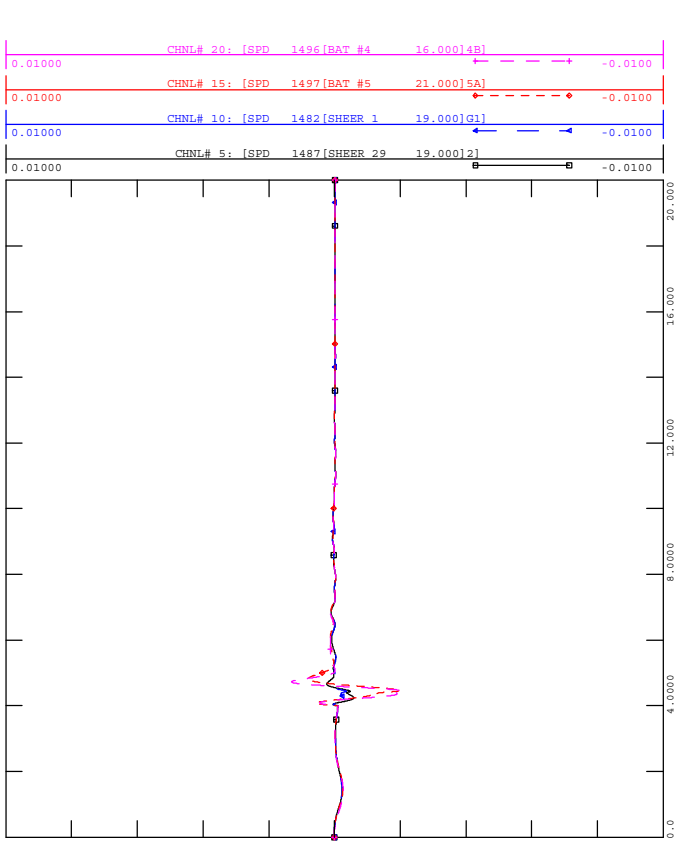


NEED_2021_WP_CASE05
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/7L224_S1752_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

MACHINE SPEED



NEED_2021_WP_CASE05
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

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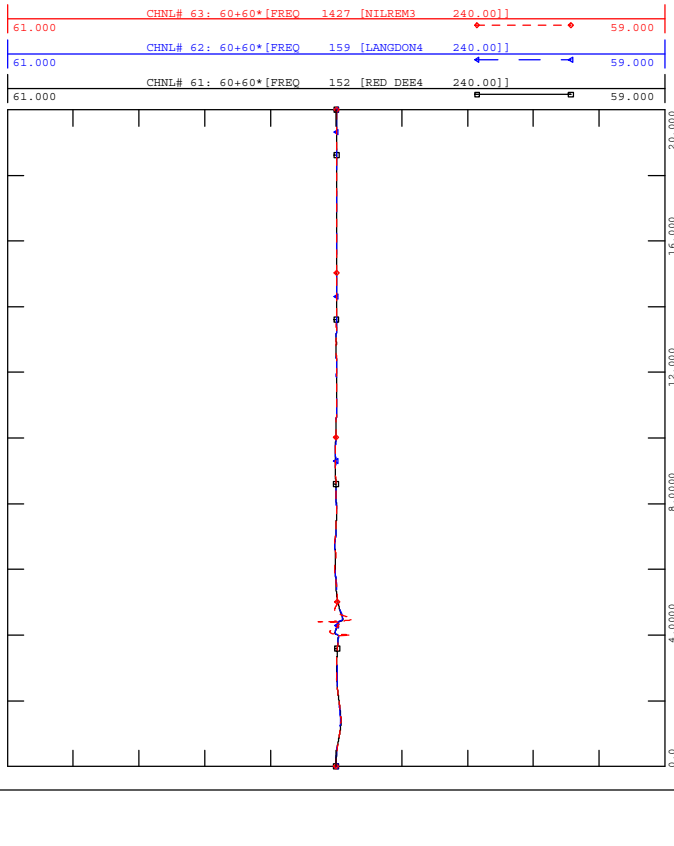
MON, NOV 28 2016 23:52

FREQUENCY



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C7-SLG -7L224_S1752_650S-HANSMAN LAKE

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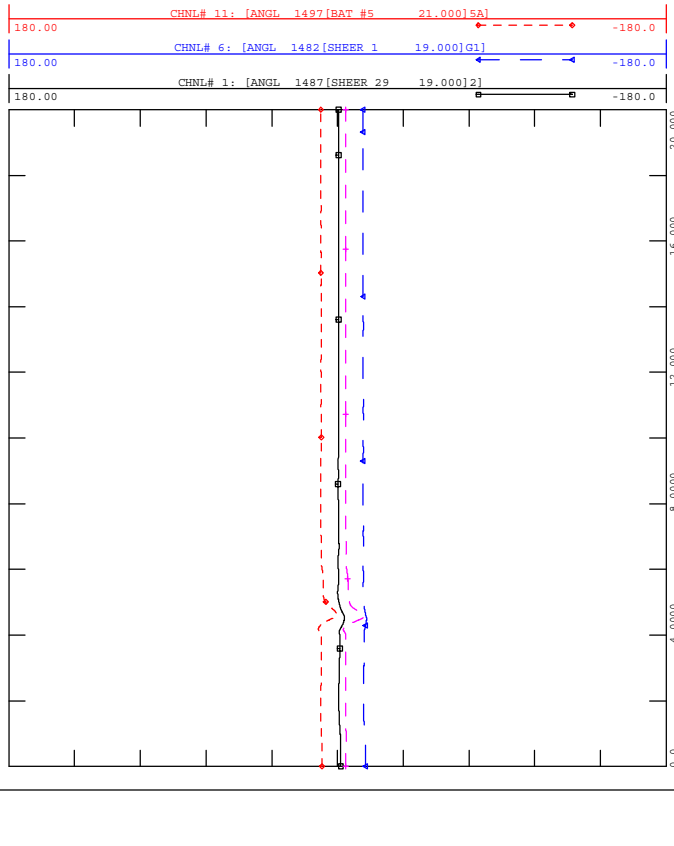
MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

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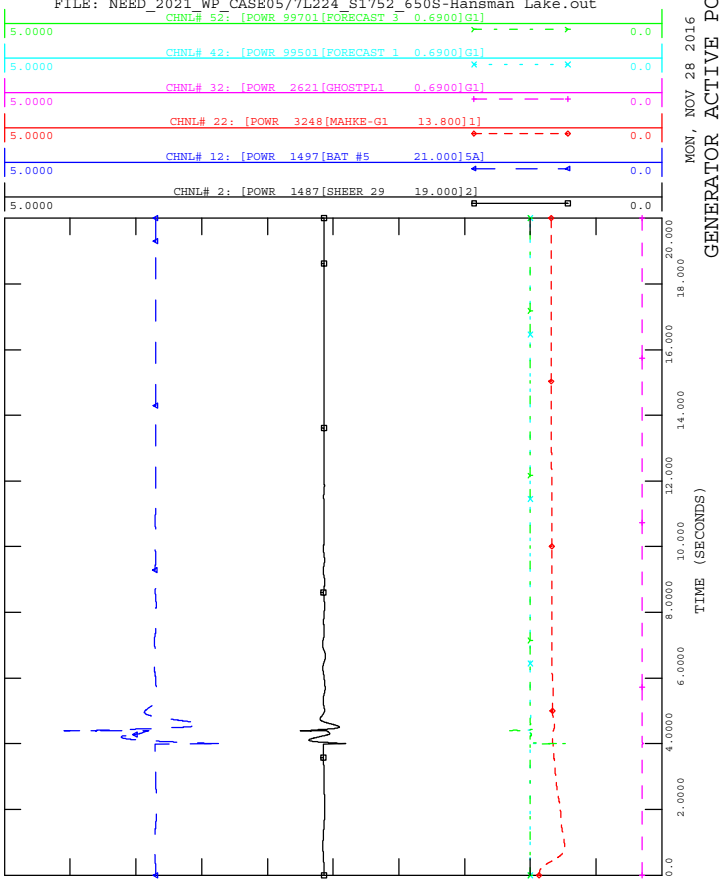
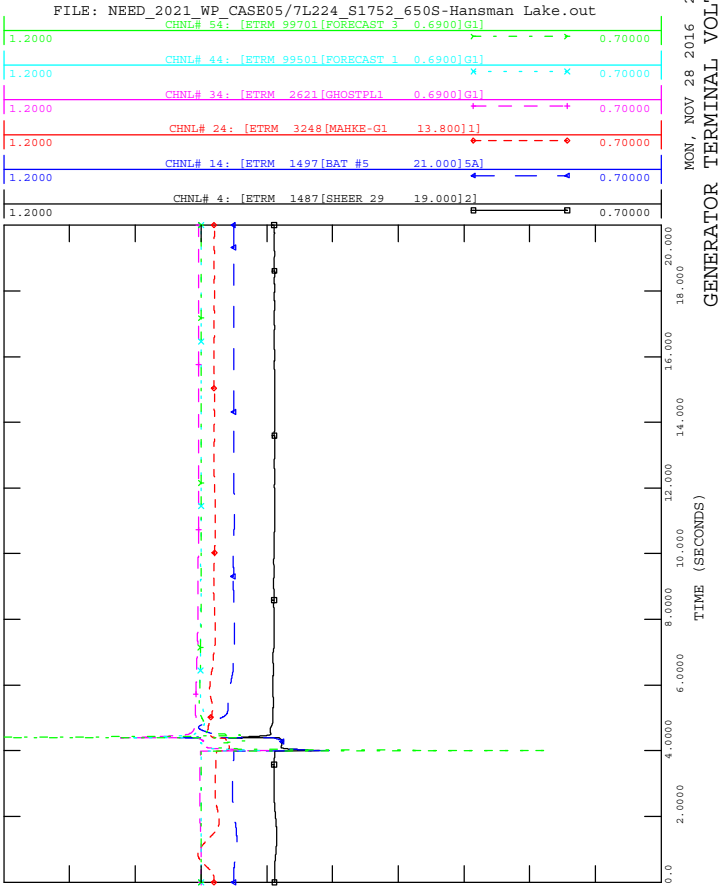


MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

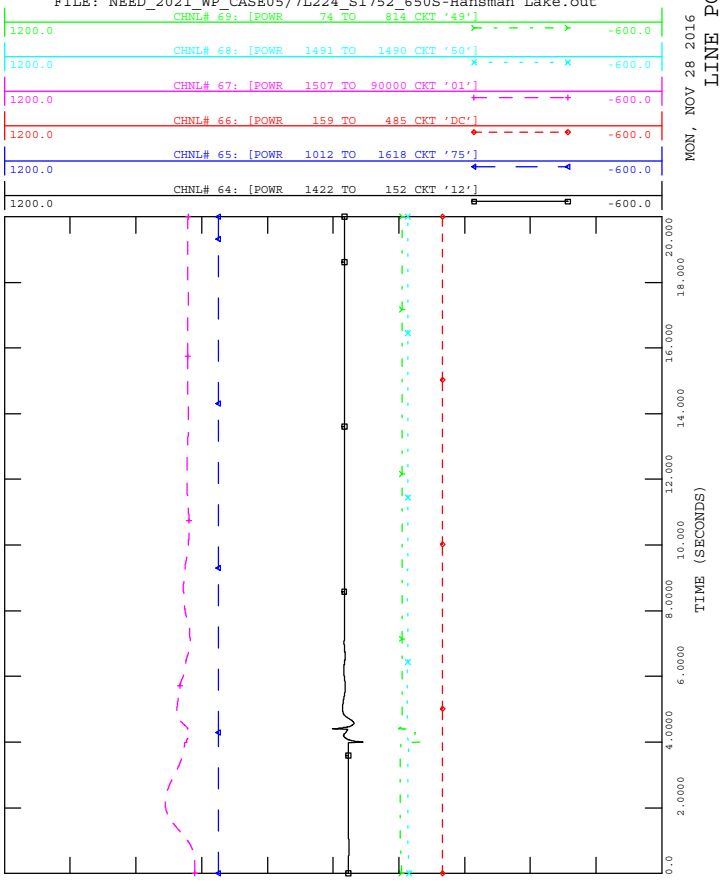
FILE: NEED_2021_WP_CASE05/7L224_S1752_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/7L224_S1752_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

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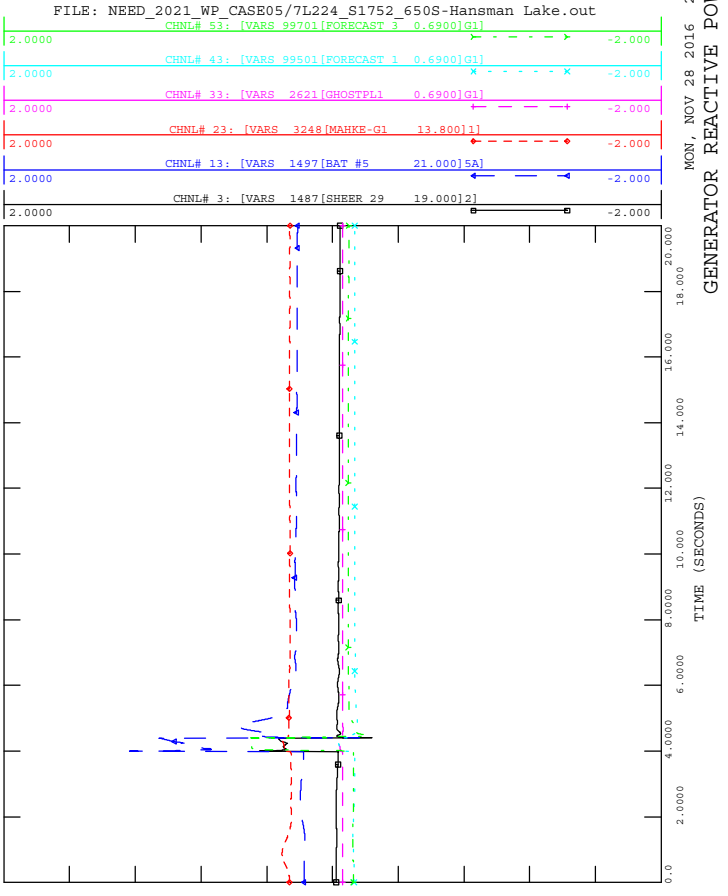

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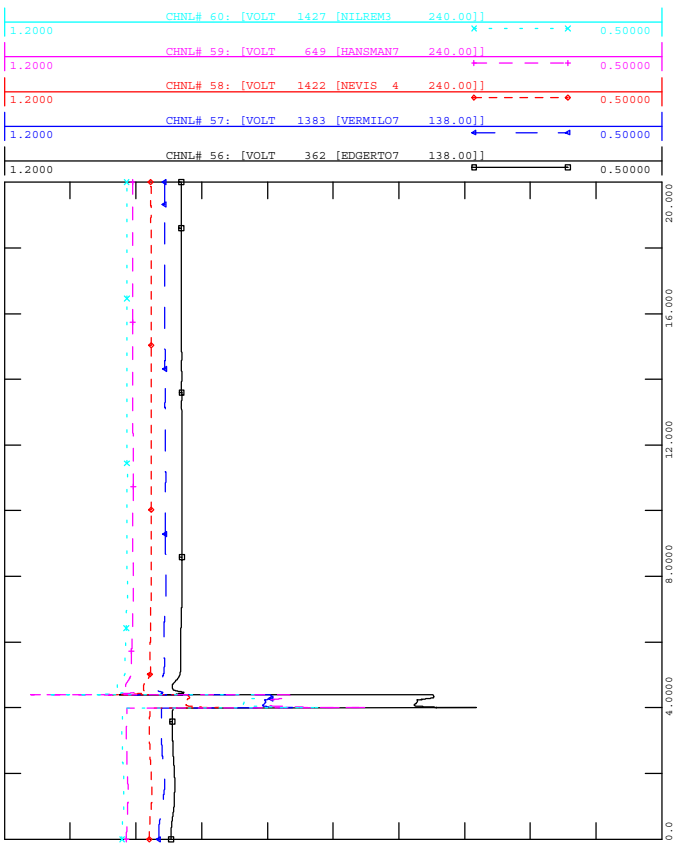
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -885L_S1752_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/885L_S1752_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

BUS VOLTAGE



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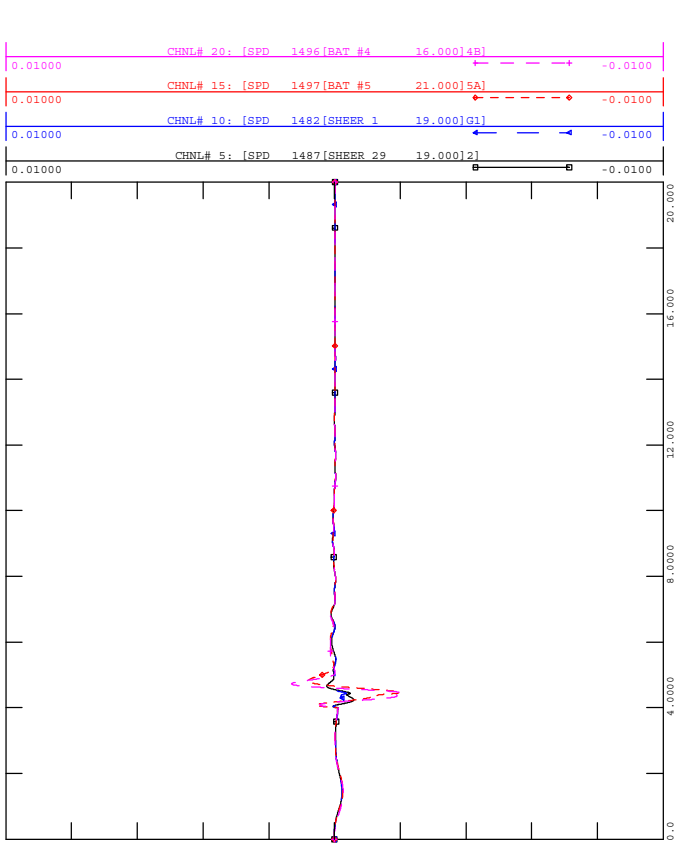
MACHINE SPEED



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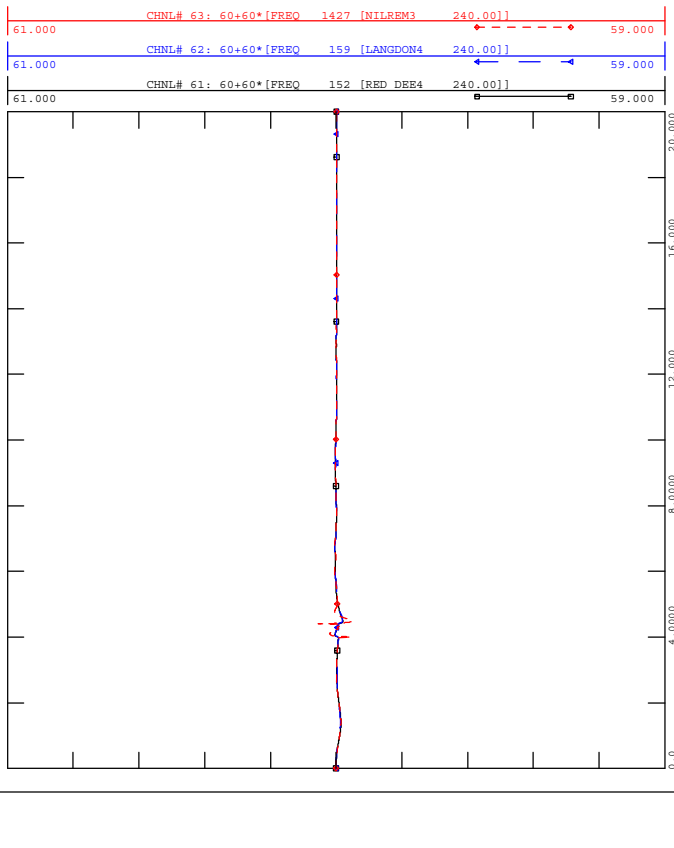
C7-SLG -885L_S1752_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/885L_S1752_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

FREQUENCY

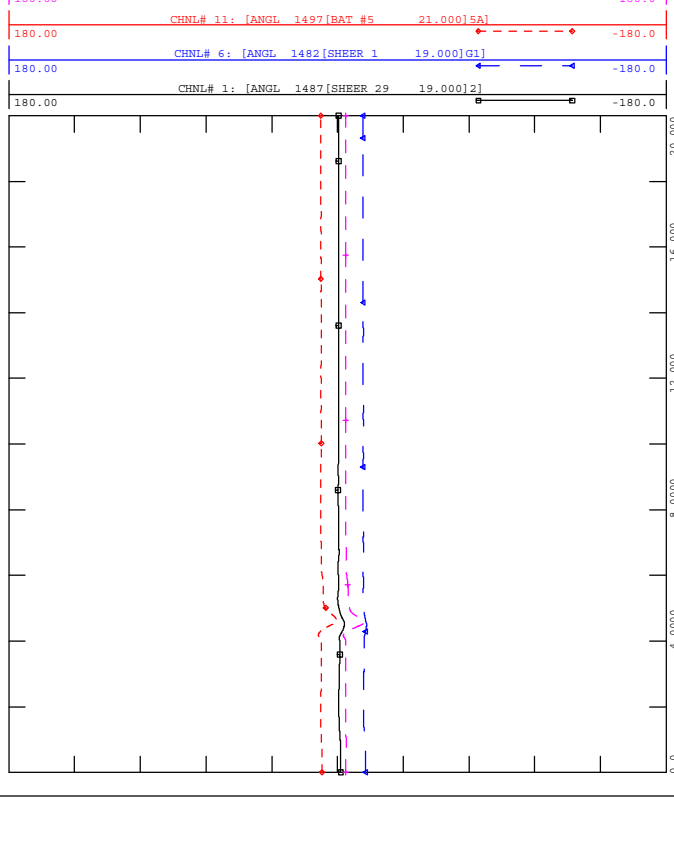


NEED_2021_WP_CASE05
C7-SLG -885L_S1752_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/885L_S1752_650S-Hansman Lake.out

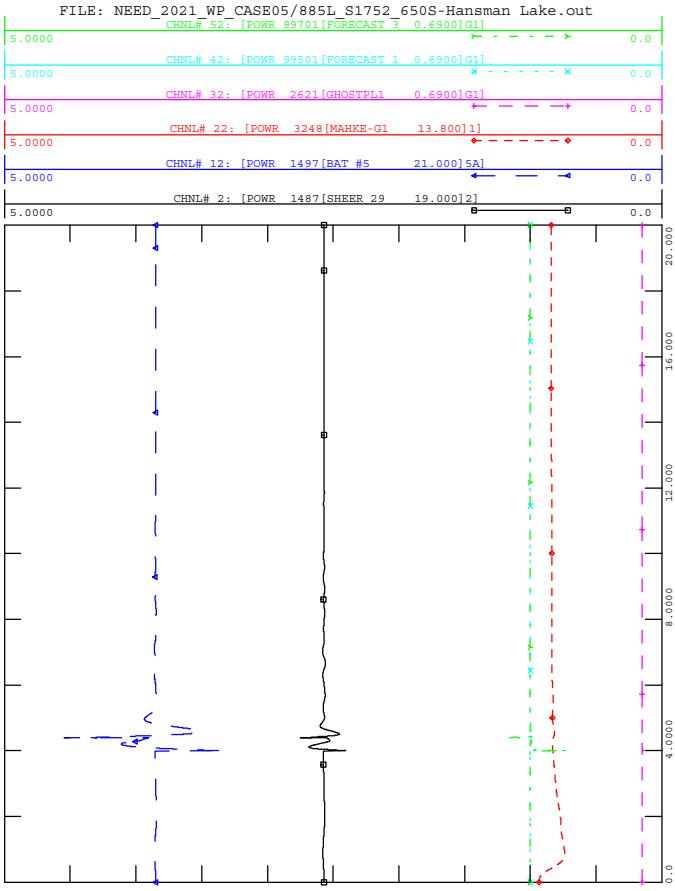
MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -885L_S1752_650S-HANSMAN LAKE

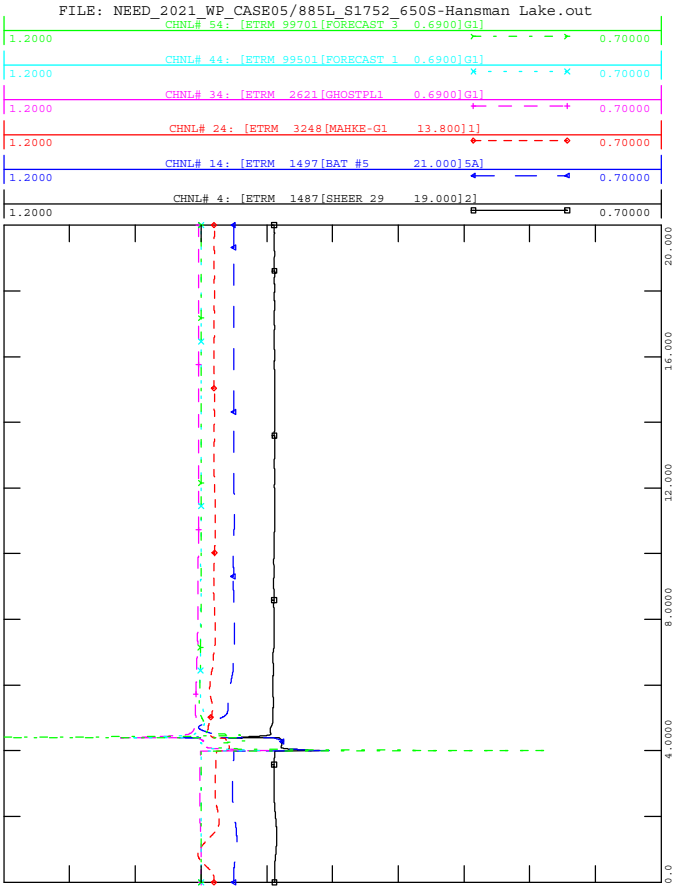
FILE: NEED_2021_WP_CASE05/885L_S1752_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -885L_S1752_650S-HANSMAN LAKE

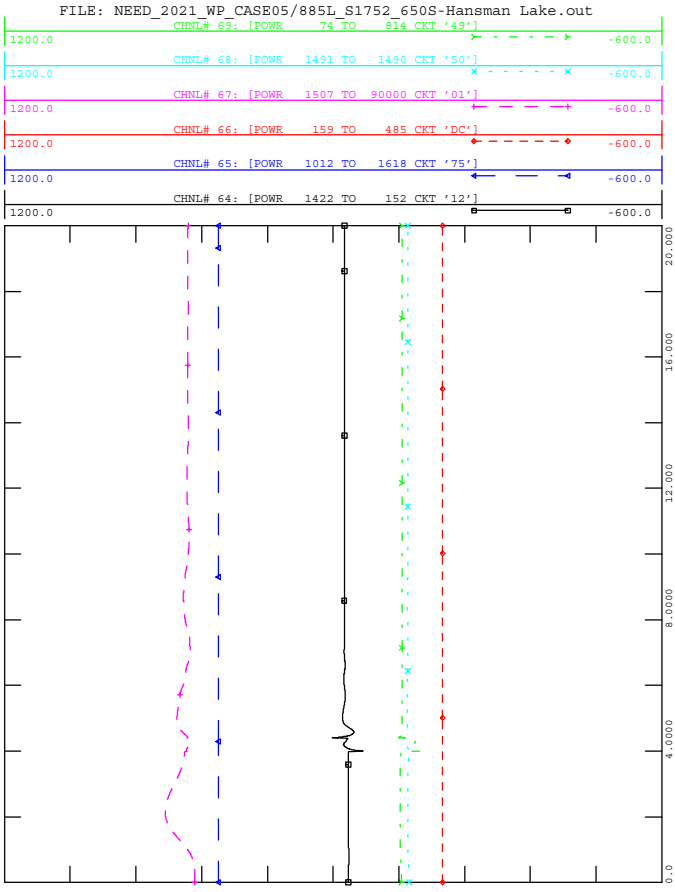
FILE: NEED_2021_WP_CASE05/885L_S1752_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -885L_S1752_650S-HANSMAN LAKE

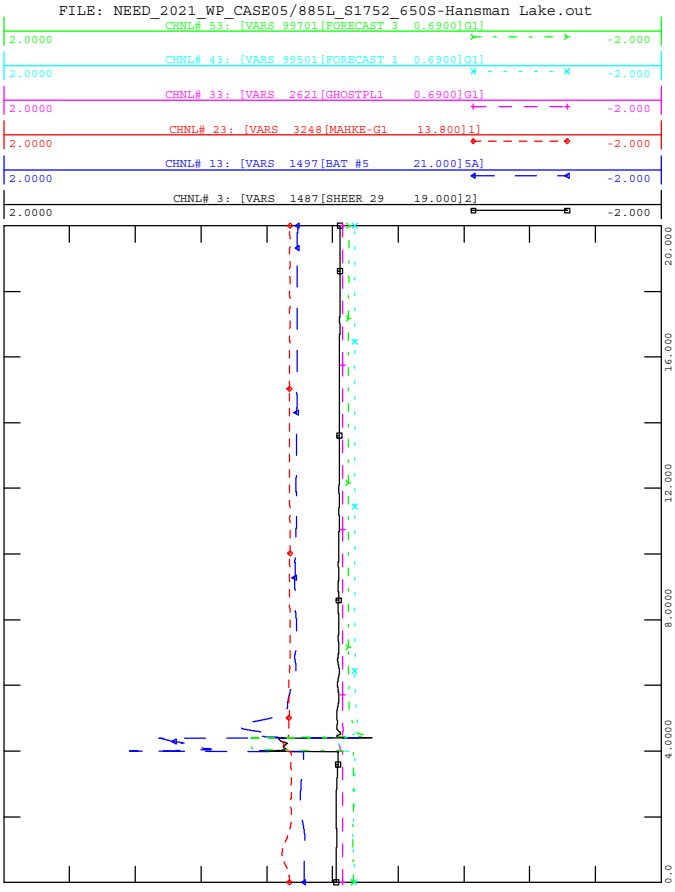
FILE: NEED_2021_WP_CASE05/885L_S1752_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -885L_S1752_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/885L_S1752_650S-Hansman Lake.out



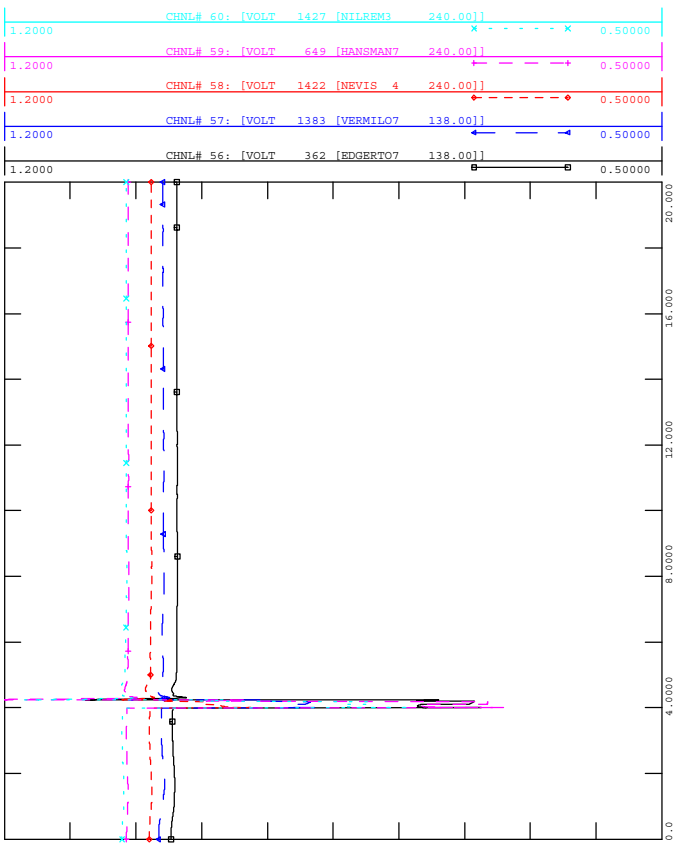
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/948L_S852_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

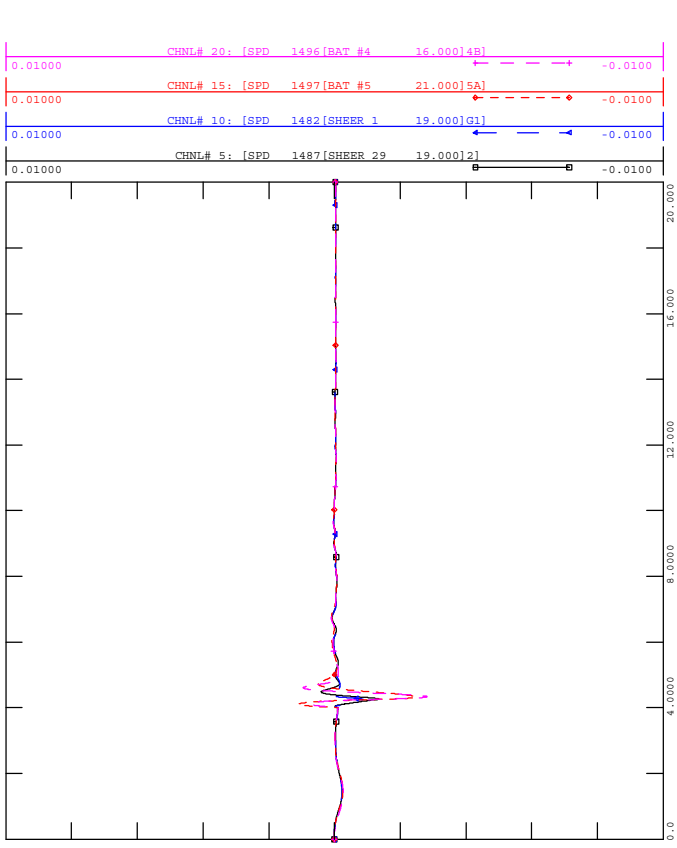


NEED_2021_WP_CASE05
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/948L_S852_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

MACHINE SPEED

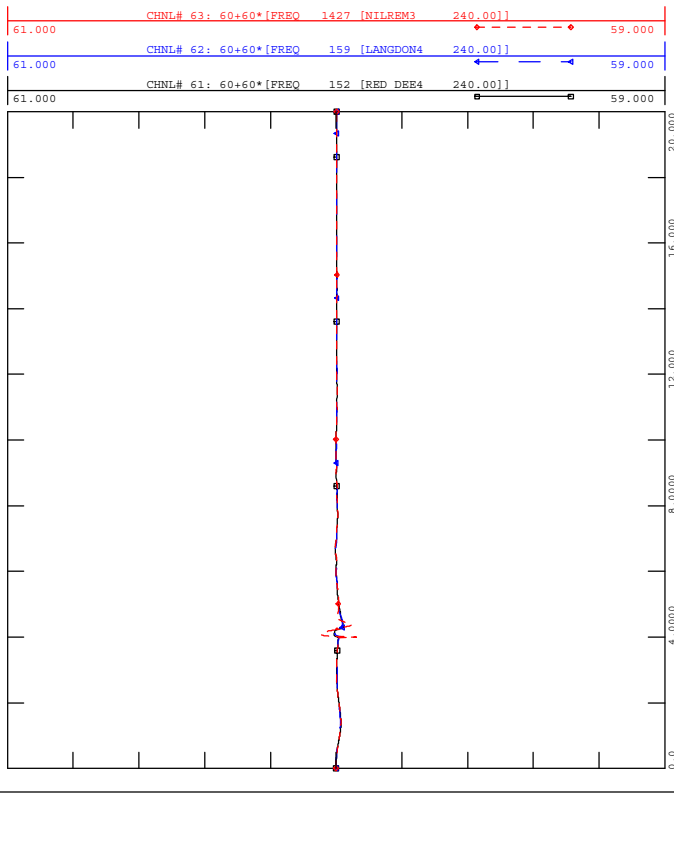


NEED_2021_WP_CASE05
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/948L_S852_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

FREQUENCY

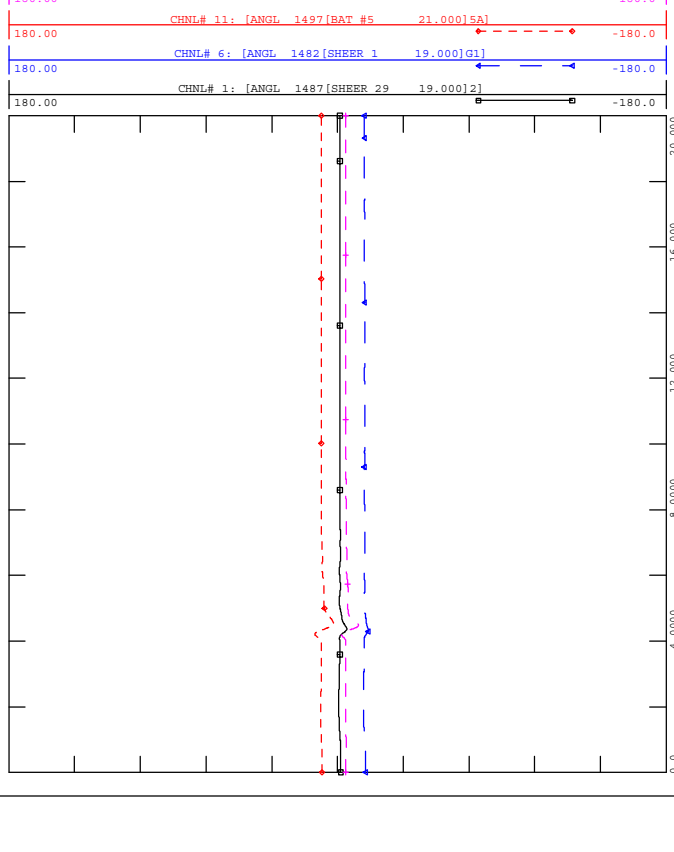


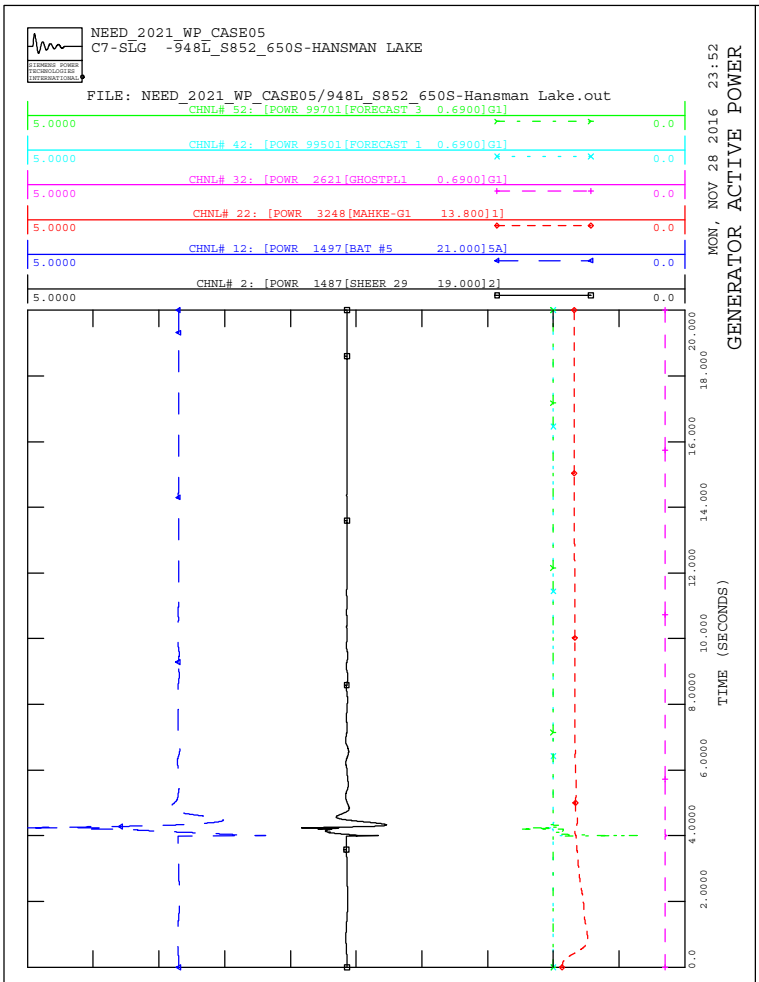
NEED_2021_WP_CASE05
C7-SLG -948L_S852_650S-HANSMAN LAKE

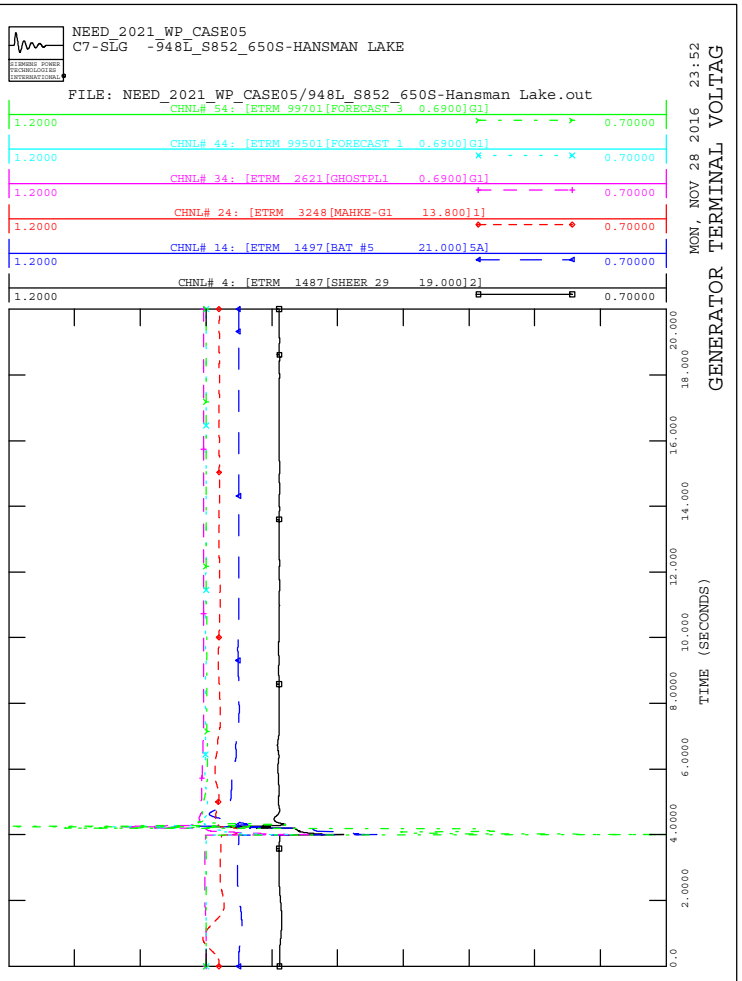
FILE: NEED_2021_WP_CASE05/948L_S852_650S-Hansman Lake.out

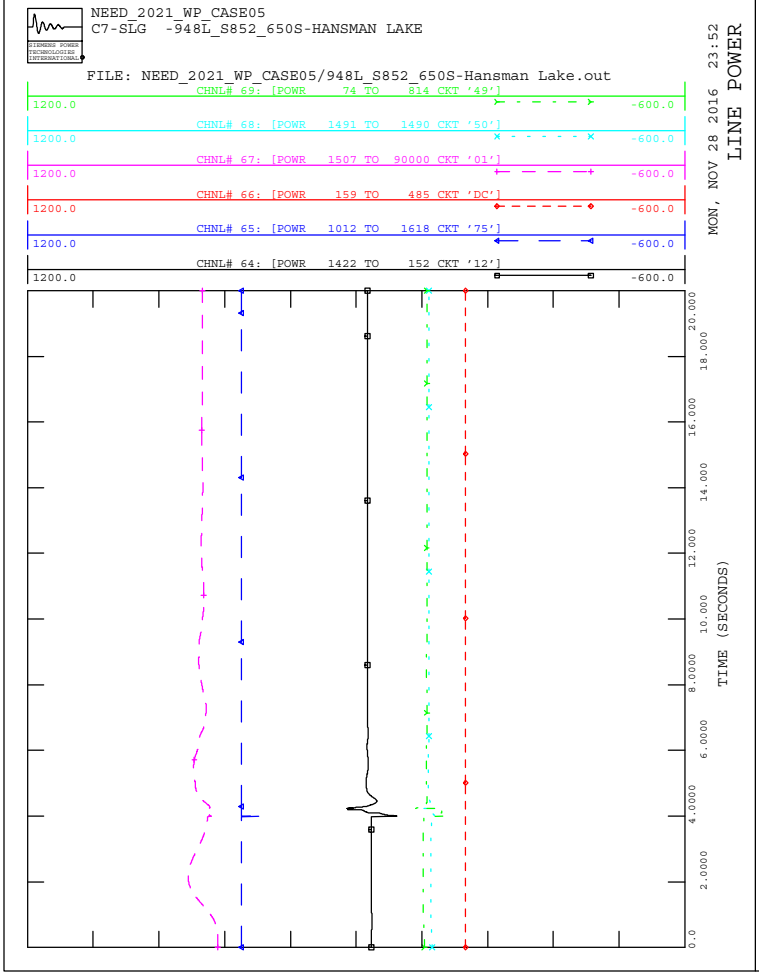
MON, NOV 28 2016 23:52

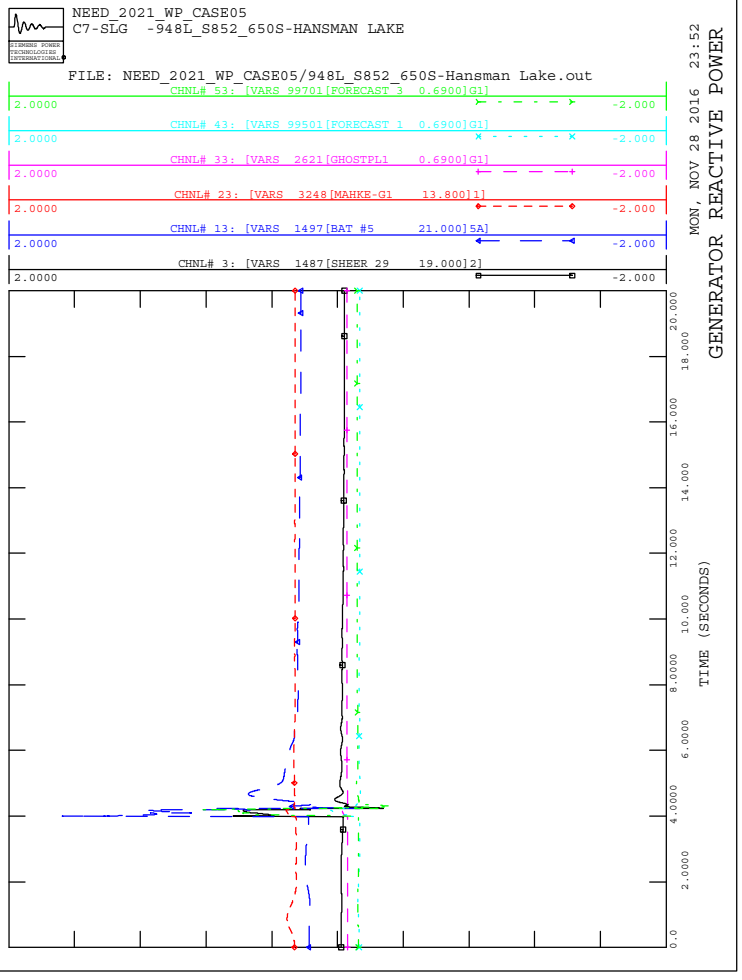
MACHINE ANGEL




NEED_2021_WP_CASE05
C7-SLG -948L_S852_650S-HANSMAN LAKE
FILE: NEED_2021_WP_CASE05/948L_S852_650S-Hansman Lake.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

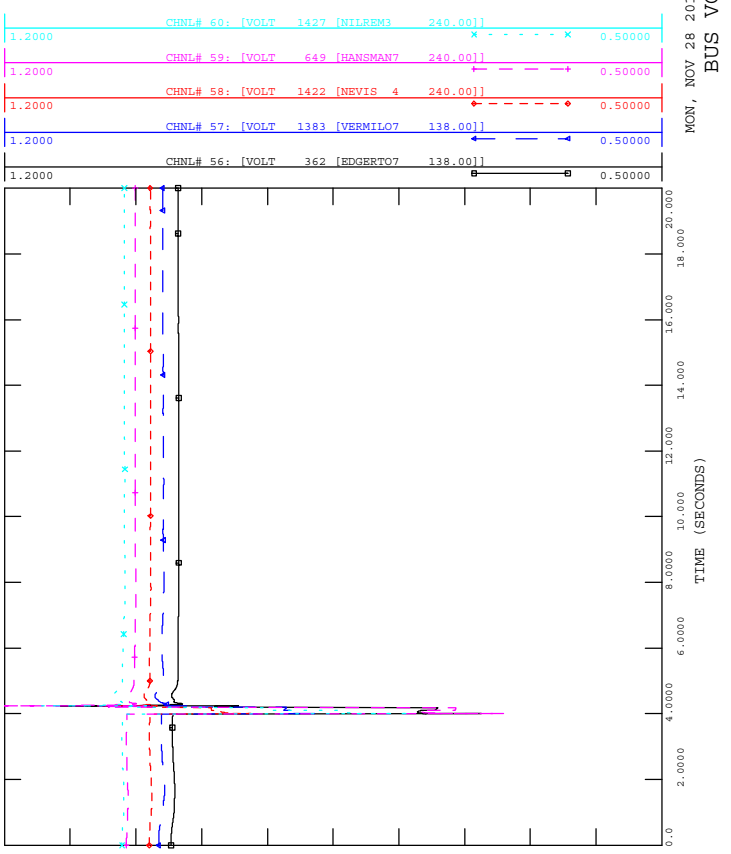

NEED_2021_WP_CASE05
C7-SLG -948L_S852_650S-HANSMAN LAKE
FILE: NEED_2021_WP_CASE05/948L_S852_650S-Hansman Lake.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_WP_CASE05
C7-SLG -948L_S852_650S-HANSMAN LAKE
FILE: NEED_2021_WP_CASE05/948L_S852_650S-Hansman Lake.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:52
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


NEED_2021_WP_CASE05
C7-SLG -948L_S852_650S-HANSMAN LAKE
FILE: NEED_2021_WP_CASE05/948L_S852_650S-Hansman Lake.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_WP_CASE05
C7-SLG -1047L_S552_650S-HANSMAN LAKE

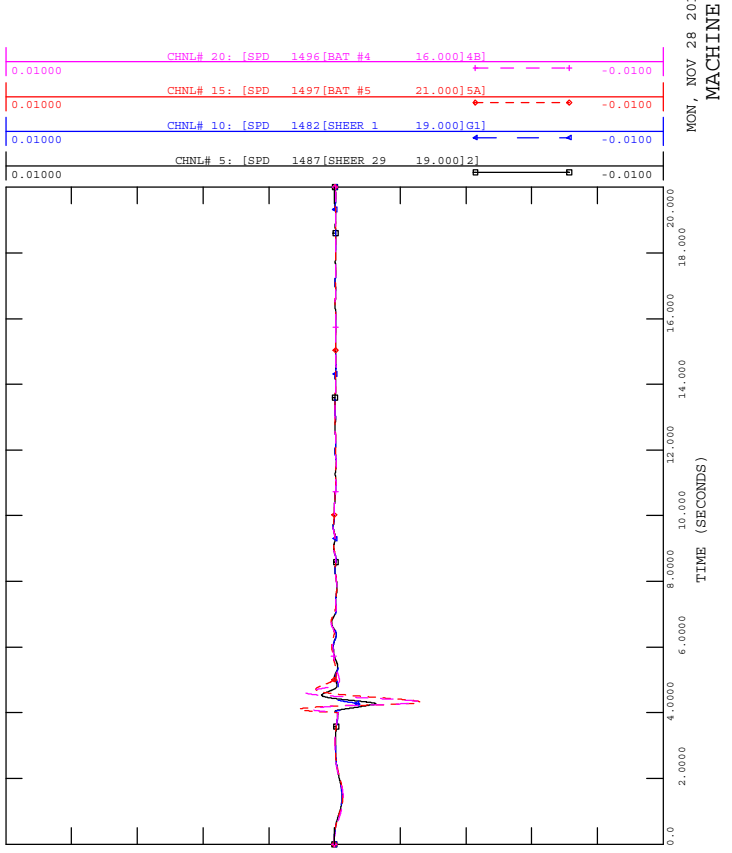
FILE: NEED_2021_WP_CASE05/1047L_S552_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -1047L_S552_650S-HANSMAN LAKE

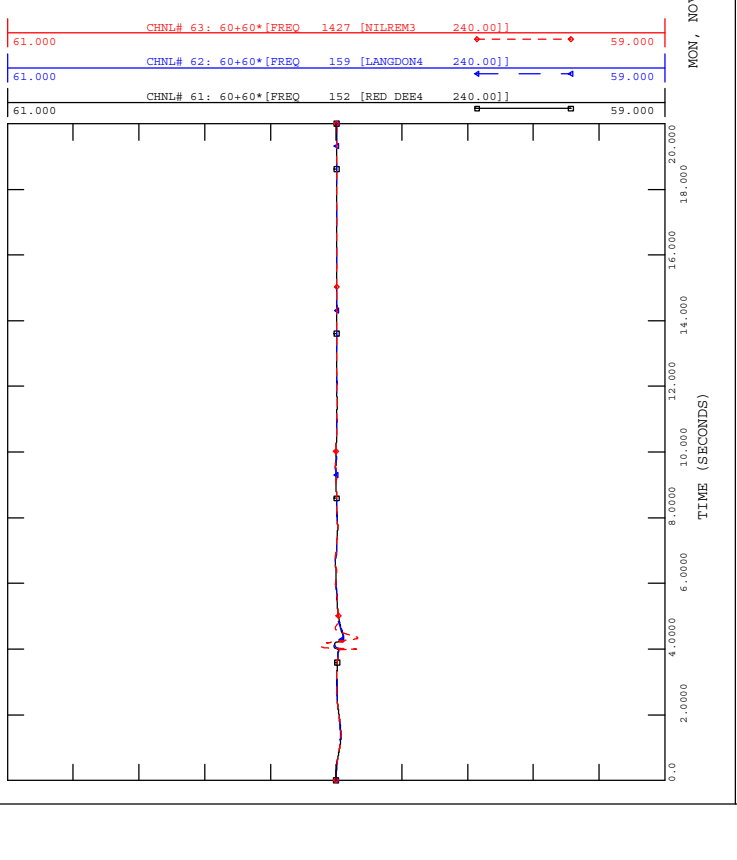
FILE: NEED_2021_WP_CASE05/1047L_S552_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -1047L_S552_650S-HANSMAN LAKE

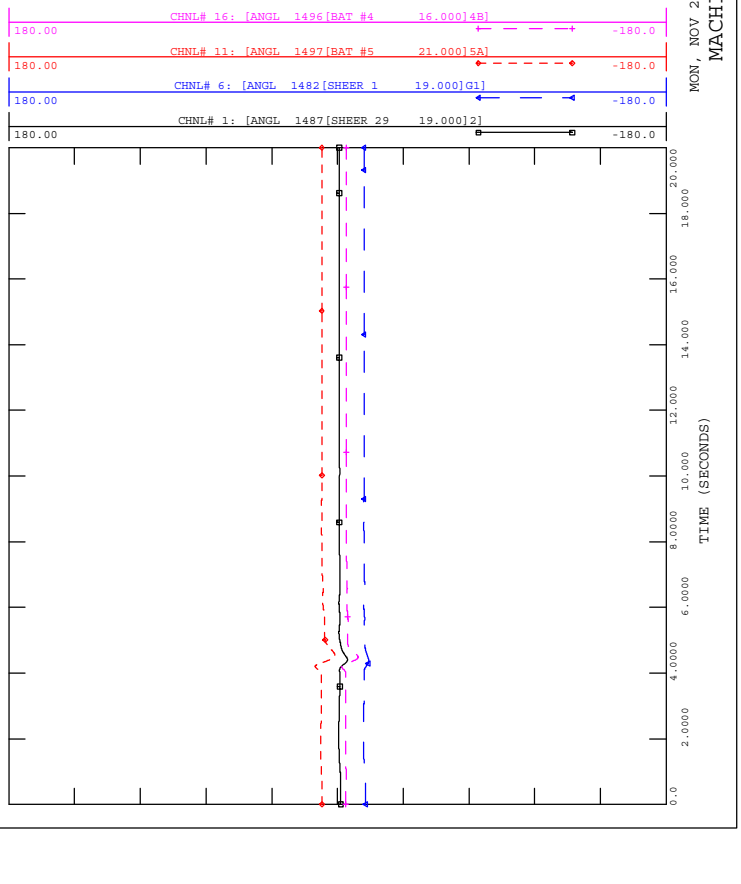
FILE: NEED_2021_WP_CASE05/1047L_S552_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -1047L_S552_650S-HANSMAN LAKE

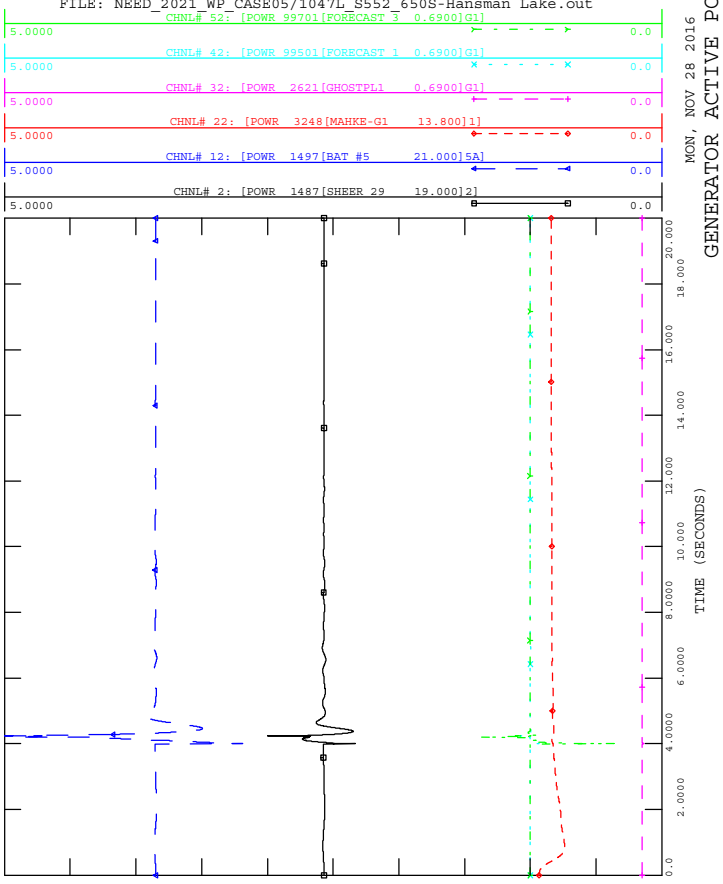
FILE: NEED_2021_WP_CASE05/1047L_S552_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
MACHINE ANGEL

NEED_2021_WP_CASE05
C7-SLG -1047L_S552_650S-HANSMAN LAKE

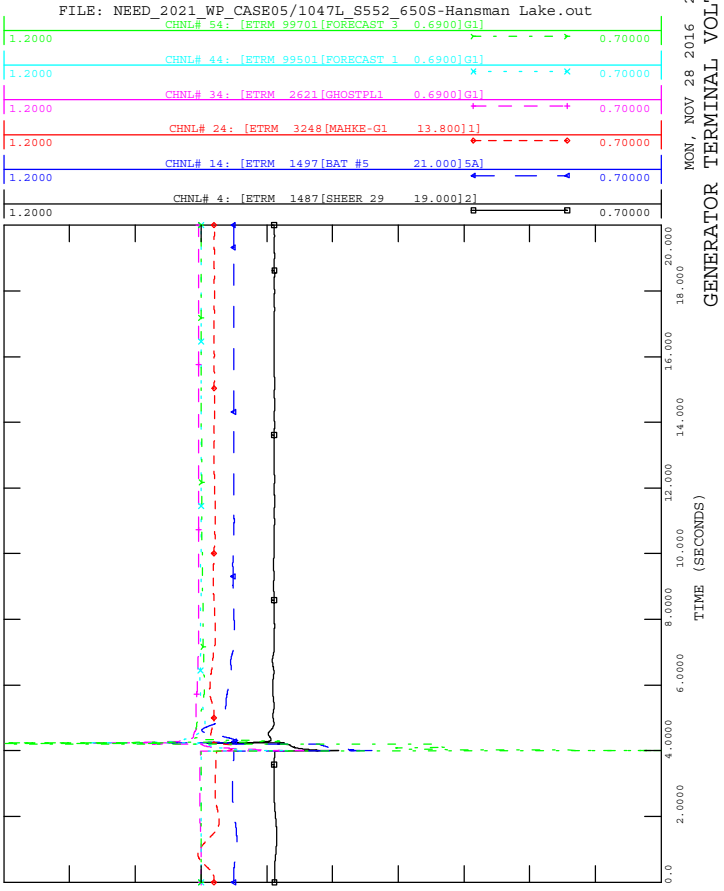
FILE: NEED_2021_WP_CASE05/1047L_S552_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -1047L_S552_650S-HANSMAN LAKE

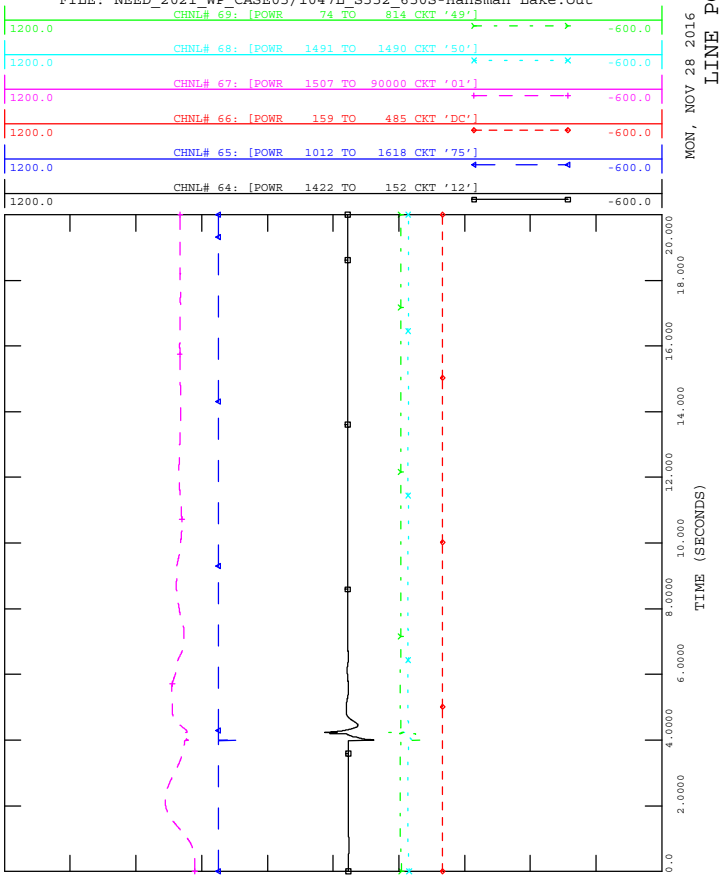
FILE: NEED_2021_WP_CASE05/1047L_S552_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -1047L_S552_650S-HANSMAN LAKE

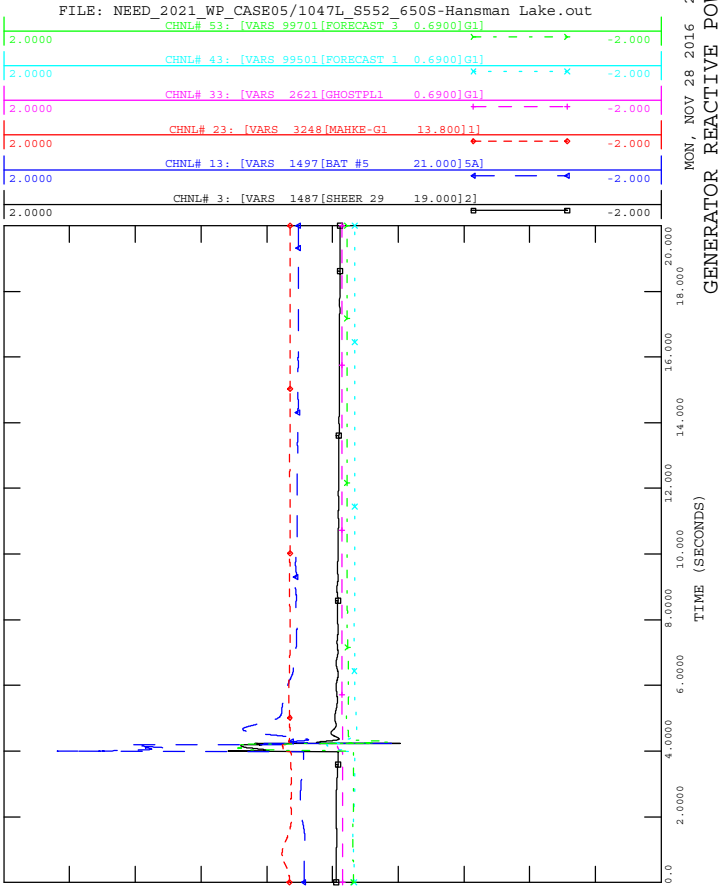
FILE: NEED_2021_WP_CASE05/1047L_S552_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -1047L_S552_650S-HANSMAN LAKE

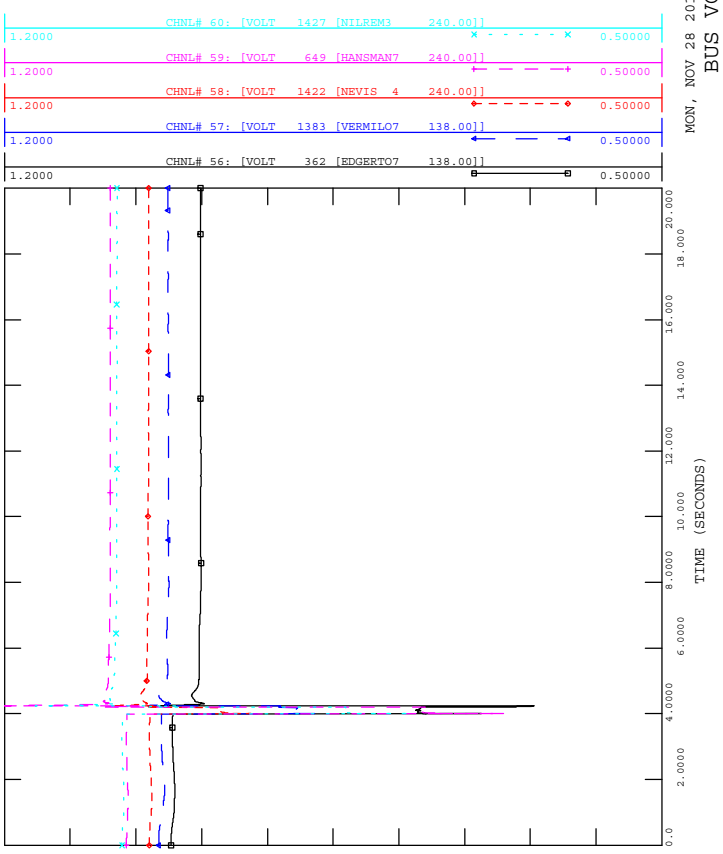
FILE: NEED_2021_WP_CASE05/1047L_S552_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -954L_S752_650S-HANSMAN LAKE

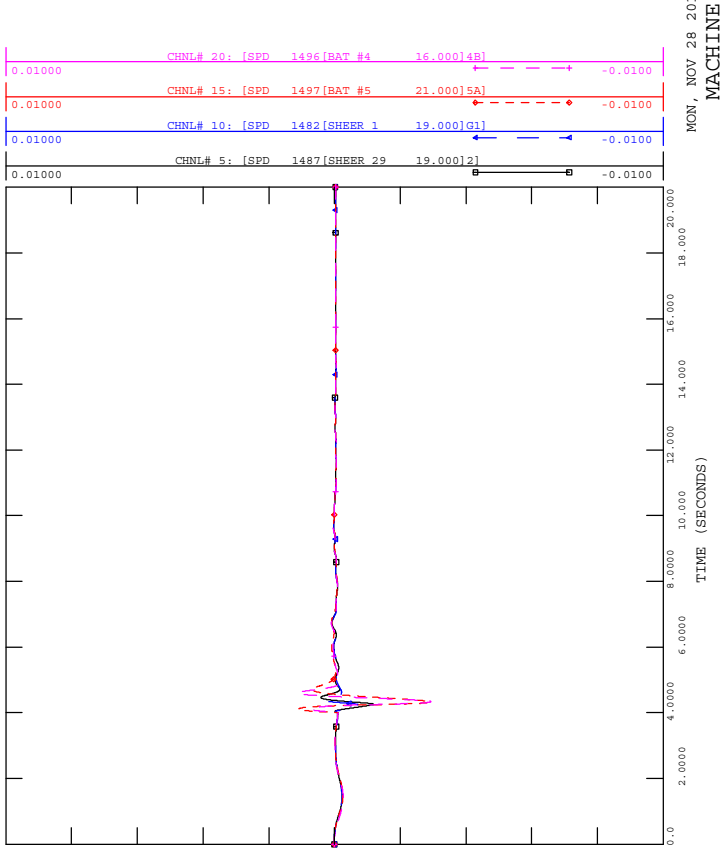
FILE: NEED_2021_WP_CASE05/954L_S752_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -954L_S752_650S-HANSMAN LAKE

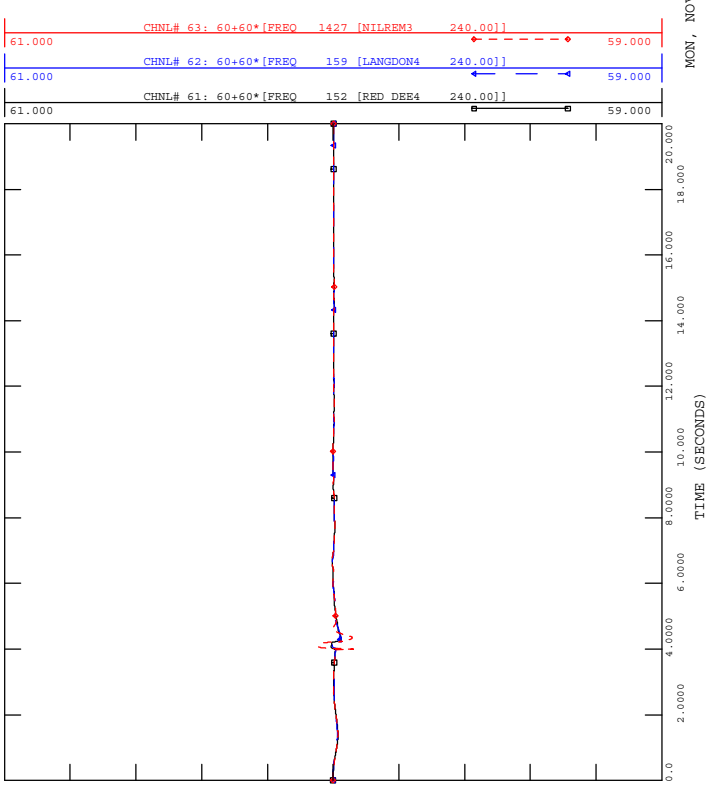
FILE: NEED_2021_WP_CASE05/954L_S752_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -954L_S752_650S-HANSMAN LAKE

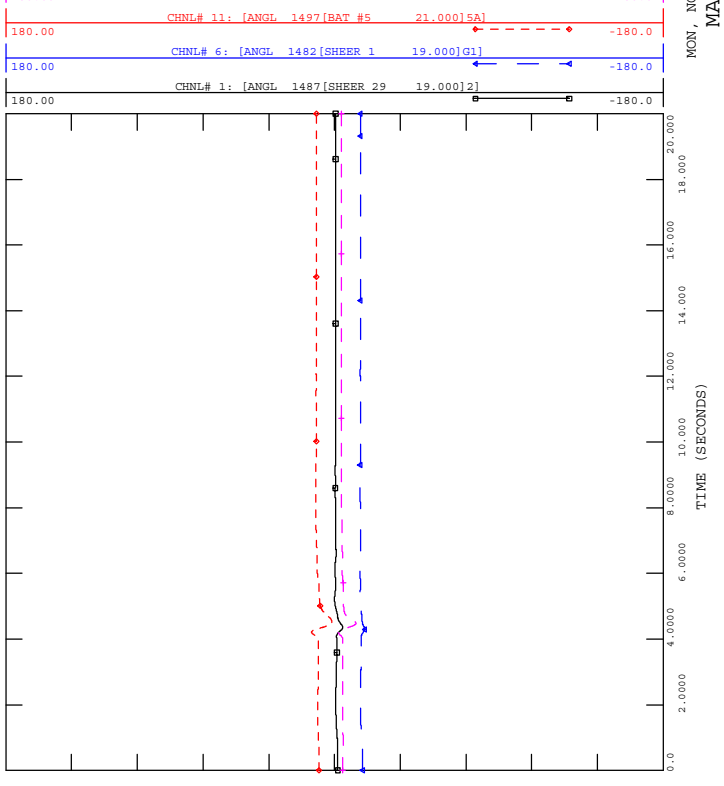
FILE: NEED_2021_WP_CASE05/954L_S752_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -954L_S752_650S-HANSMAN LAKE

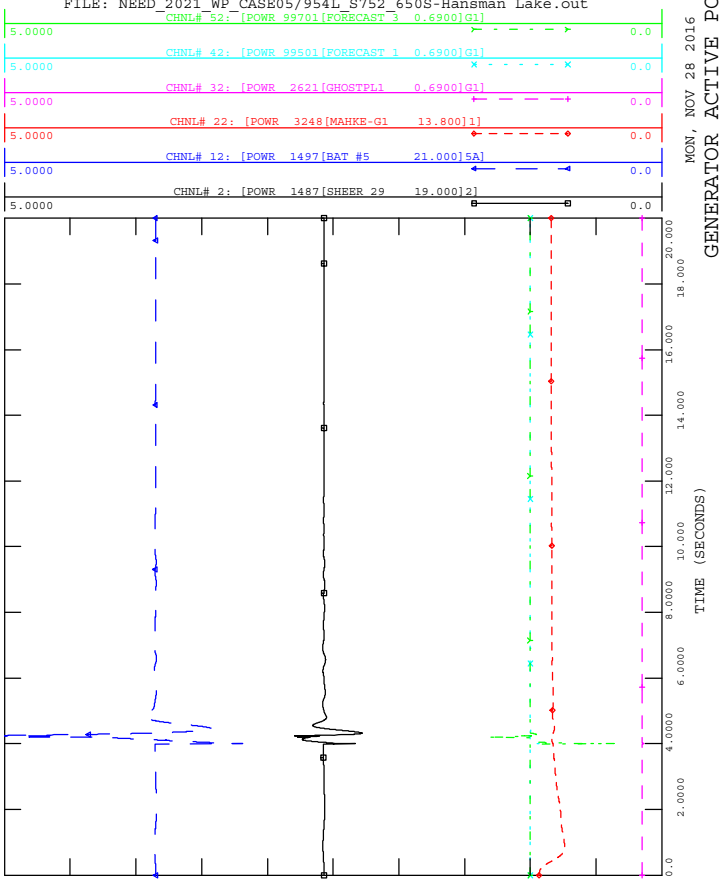
FILE: NEED_2021_WP_CASE05/954L_S752_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
MACHINE ANGEL

NEED_2021_WP_CASE05
C7-SLG -954L_S752_650S-HANSMAN LAKE

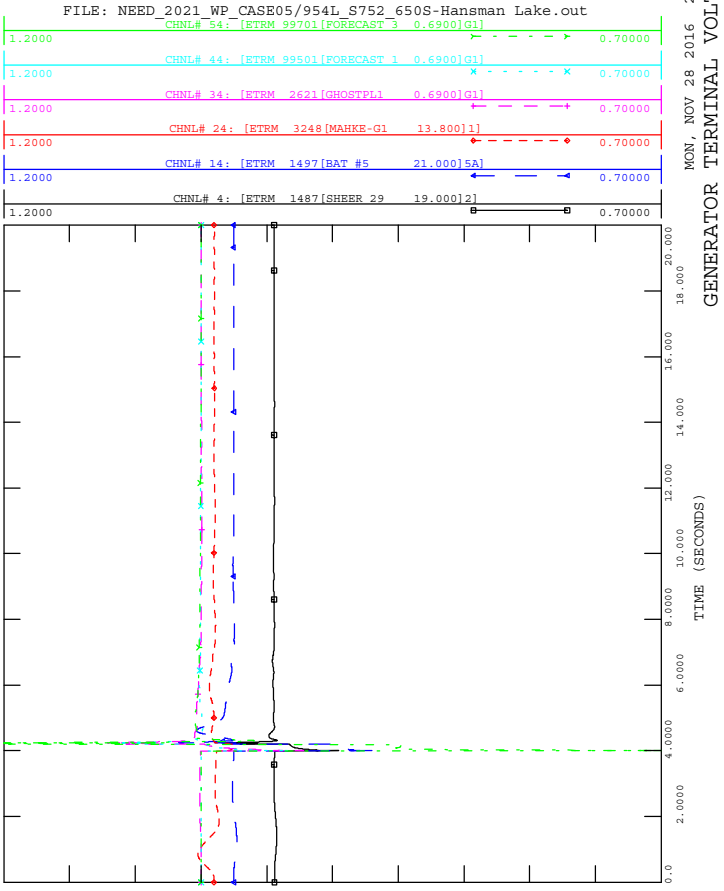
FILE: NEED_2021_WP_CASE05/954L_S752_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -954L_S752_650S-HANSMAN LAKE

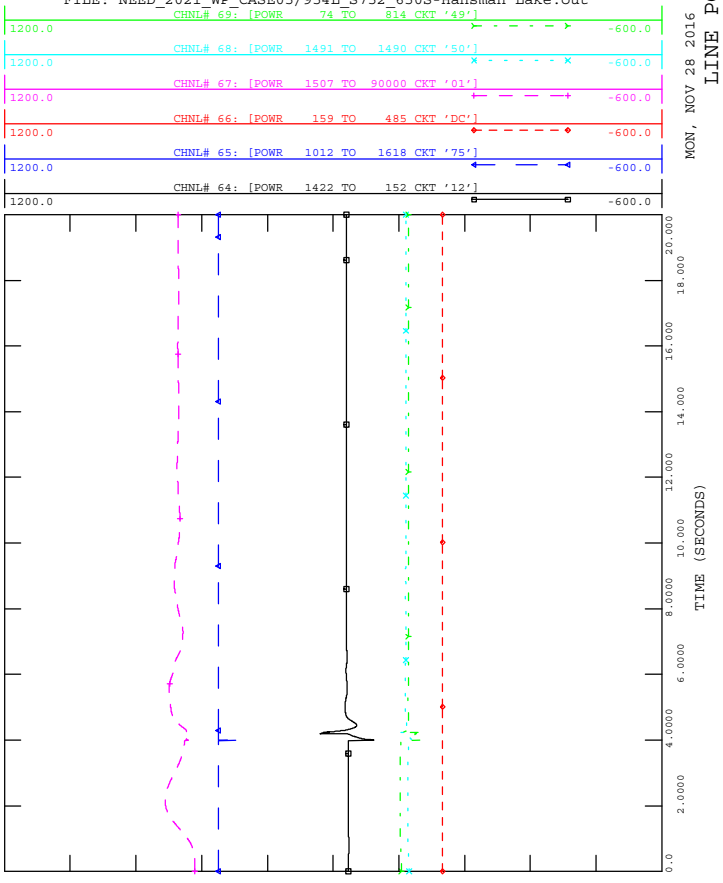
FILE: NEED_2021_WP_CASE05/954L_S752_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -954L_S752_650S-HANSMAN LAKE

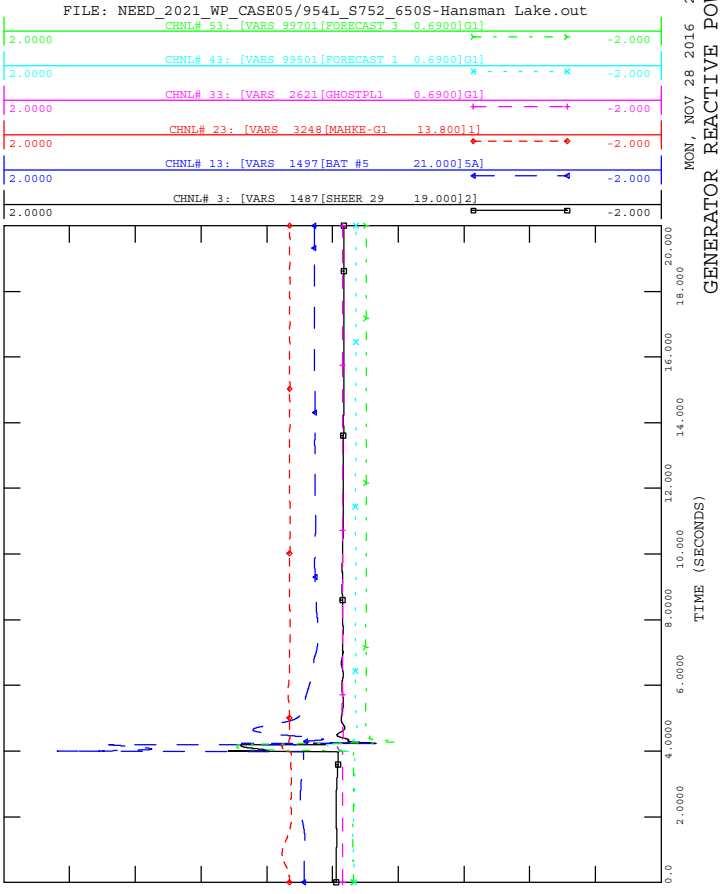
FILE: NEED_2021_WP_CASE05/954L_S752_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/954L_S752_650S-Hansman Lake.out



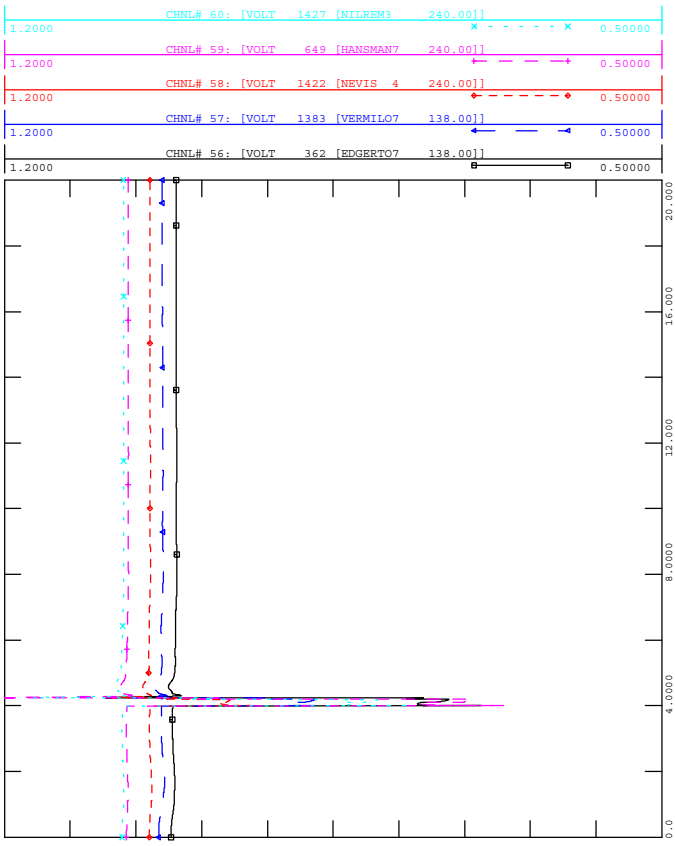
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/966L_S452_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

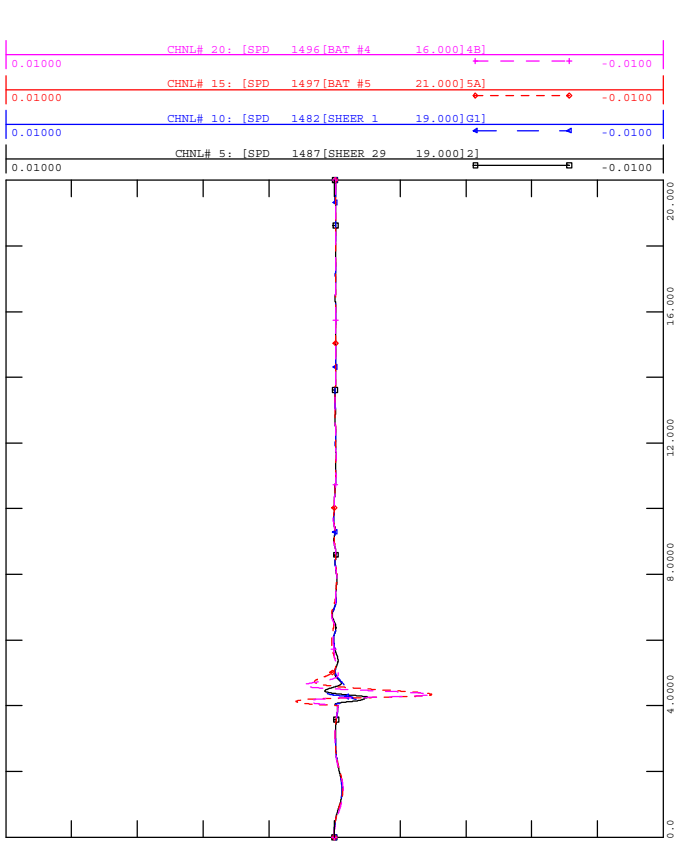


NEED_2021_WP_CASE05
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/966L_S452_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

MACHINE SPEED

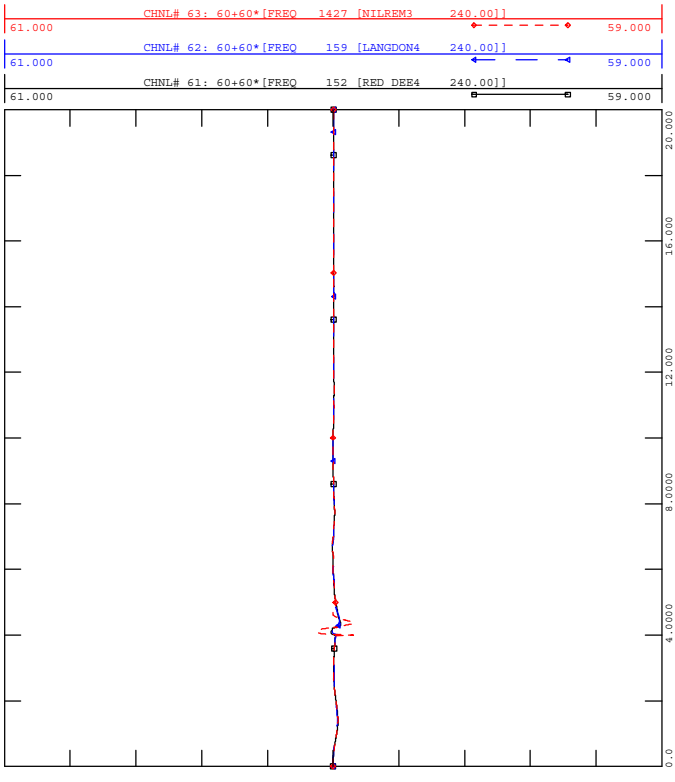


NEED_2021_WP_CASE05
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/966L_S452_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

FREQUENCY

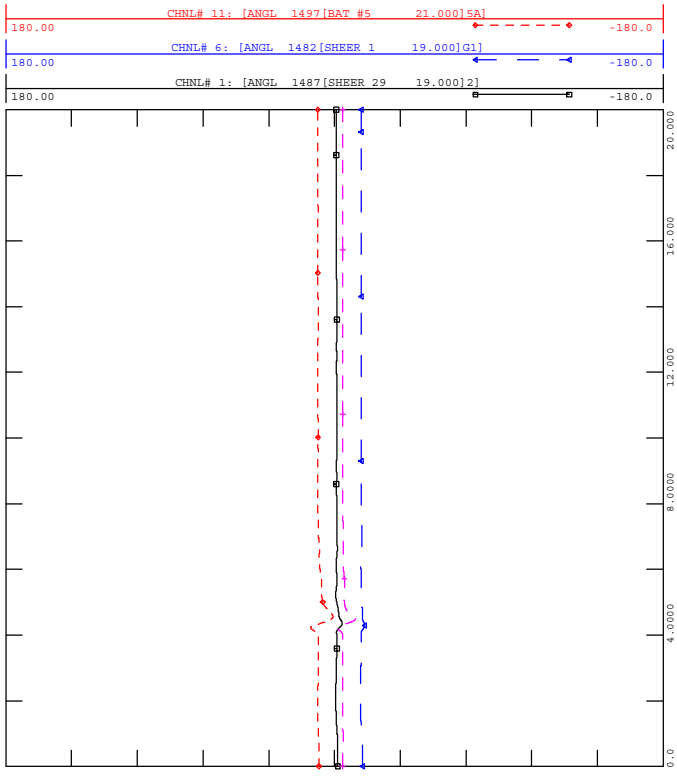


NEED_2021_WP_CASE05
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: NEED_2021_WP_CASE05/966L_S452_650S-Hansman Lake.out

MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
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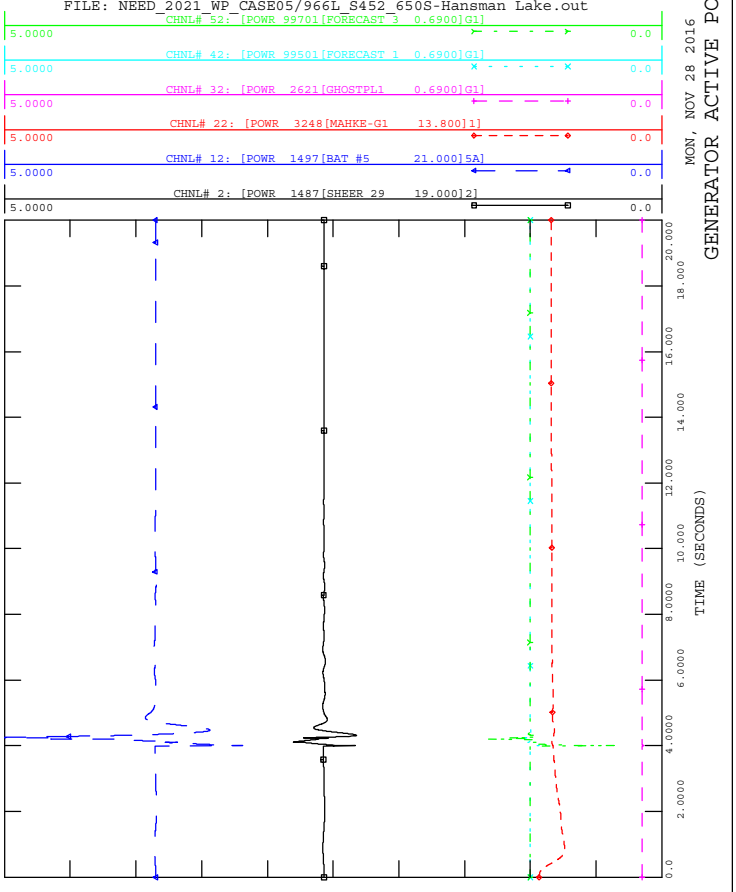
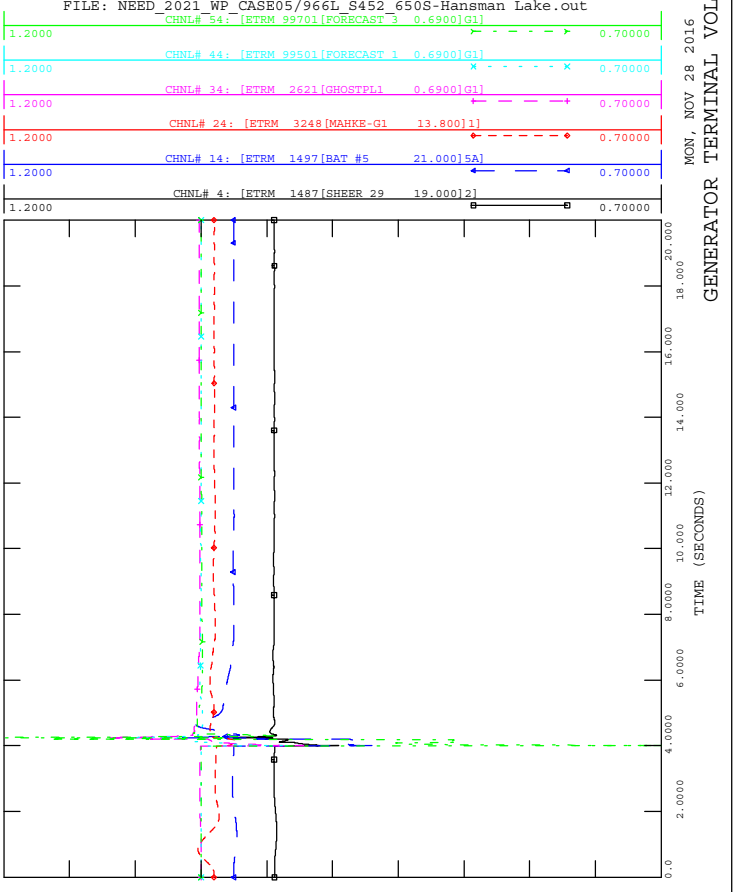
FILE: NEED_2021_WP_CASE05/966L_S452_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -966L_S452_650S-HANSMAN LAKE

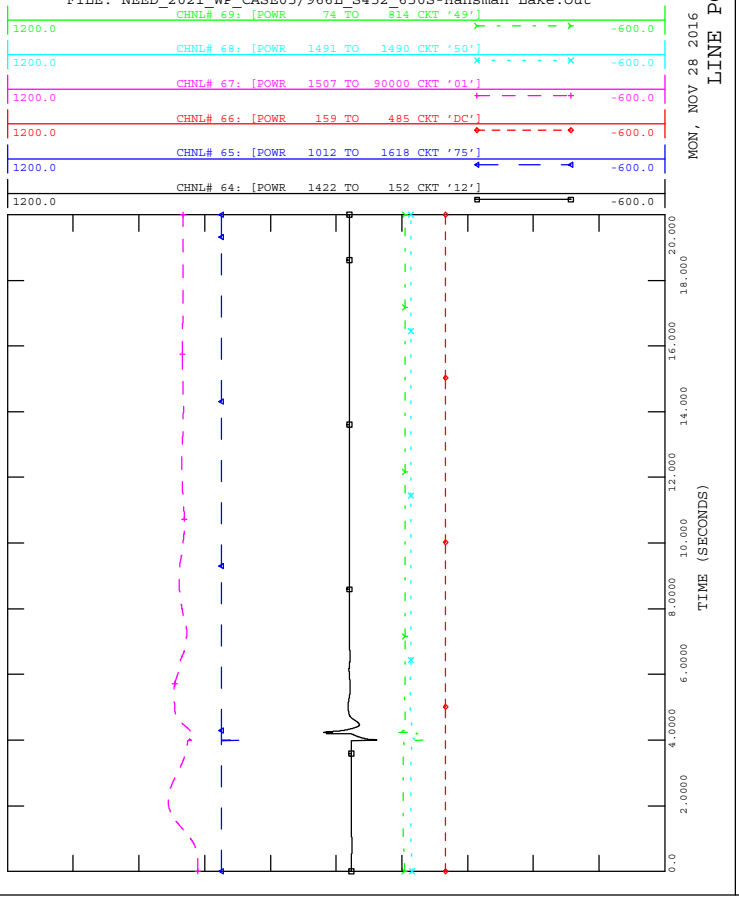
FILE: NEED_2021_WP_CASE05/966L_S452_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -966L_S452_650S-HANSMAN LAKE

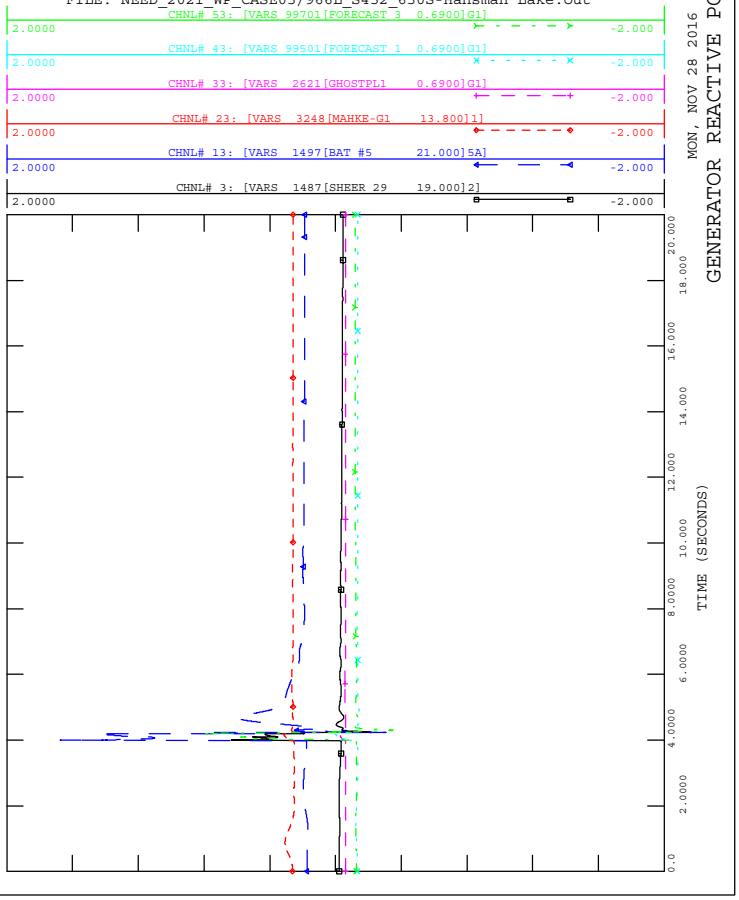
FILE: NEED_2021_WP_CASE05/966L_S452_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -966L_S452_650S-HANSMAN LAKE

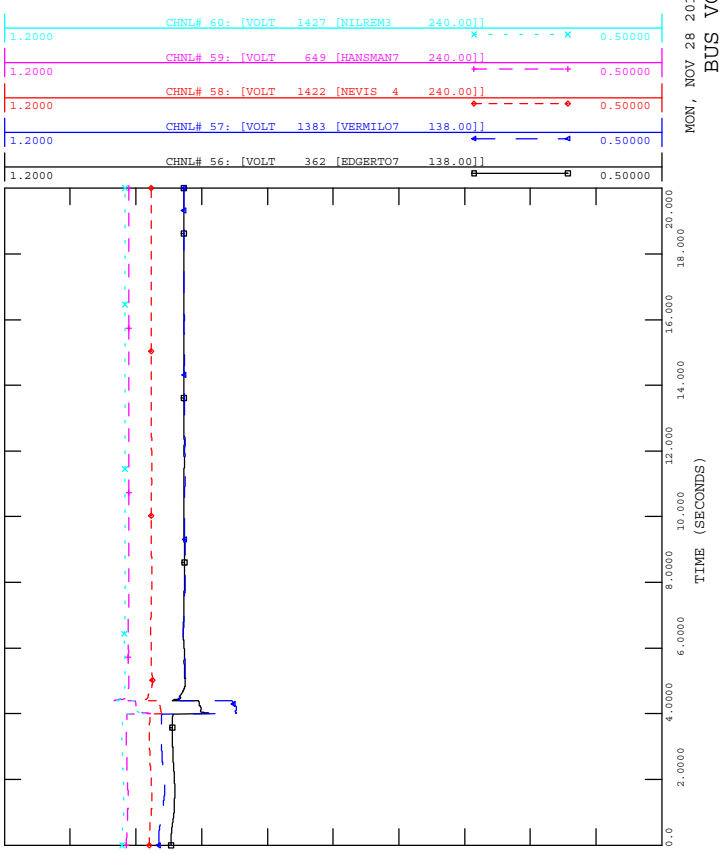
FILE: NEED_2021_WP_CASE05/966L_S452_650S-Hansman Lake.out



MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -174L_S175_395S-NORTH HOLDEN

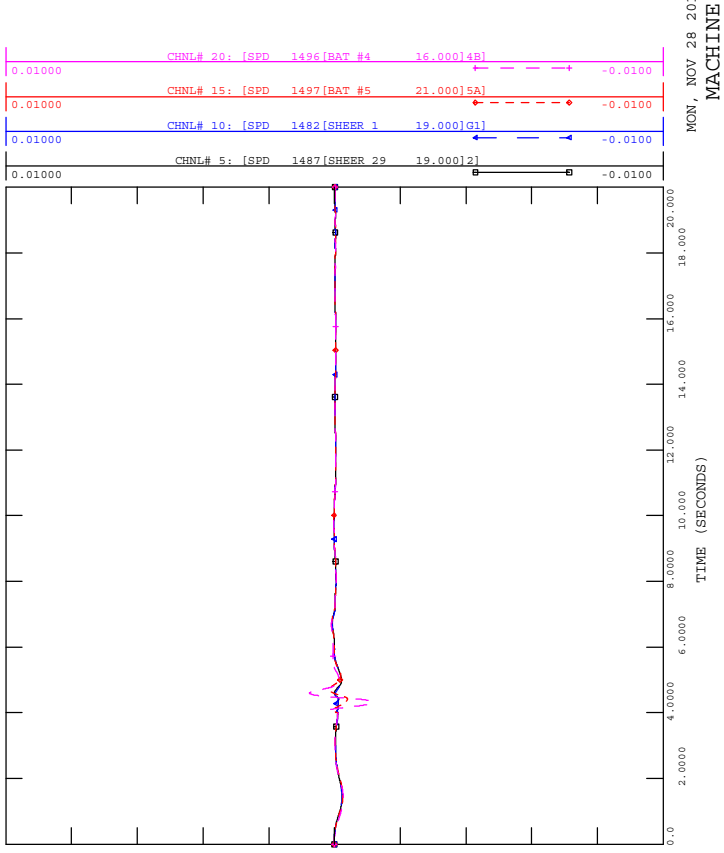
FILE: NEED_2021_WP_CASE05/174L_S175_395S-North Holden.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -174L_S175_395S-NORTH HOLDEN

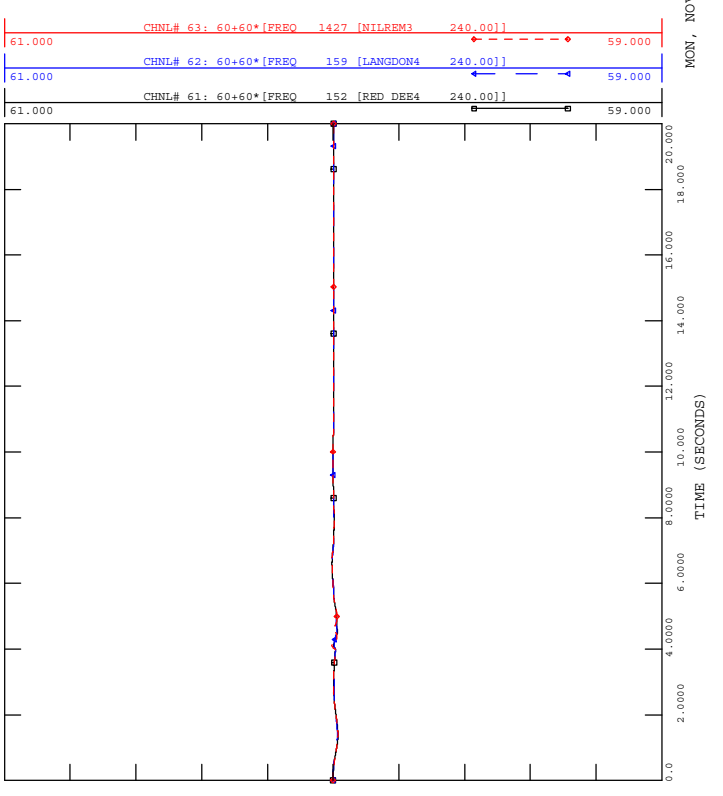
FILE: NEED_2021_WP_CASE05/174L_S175_395S-North Holden.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -174L_S175_395S-NORTH HOLDEN

FILE: NEED_2021_WP_CASE05/174L_S175_395S-North Holden.out



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FREQUENCY

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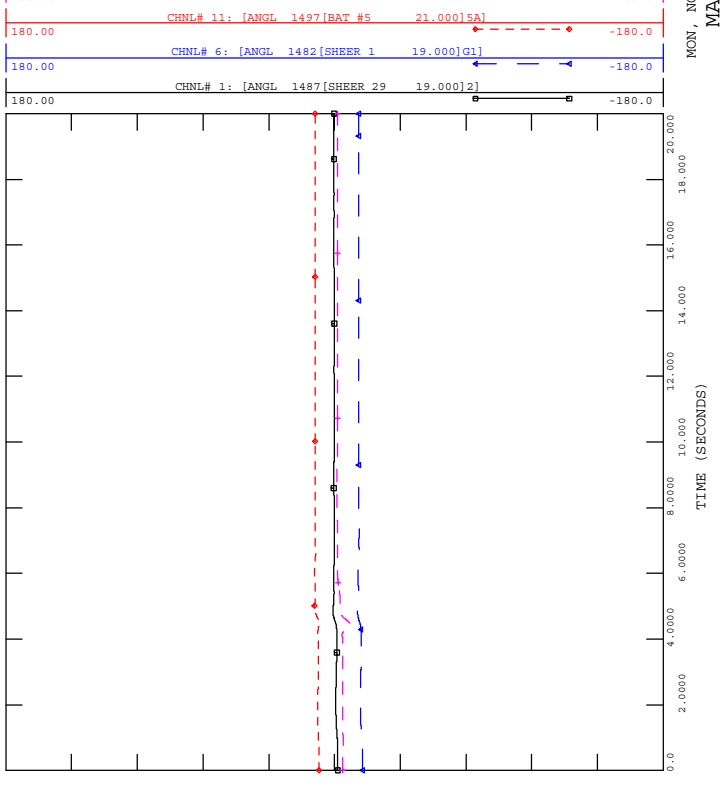
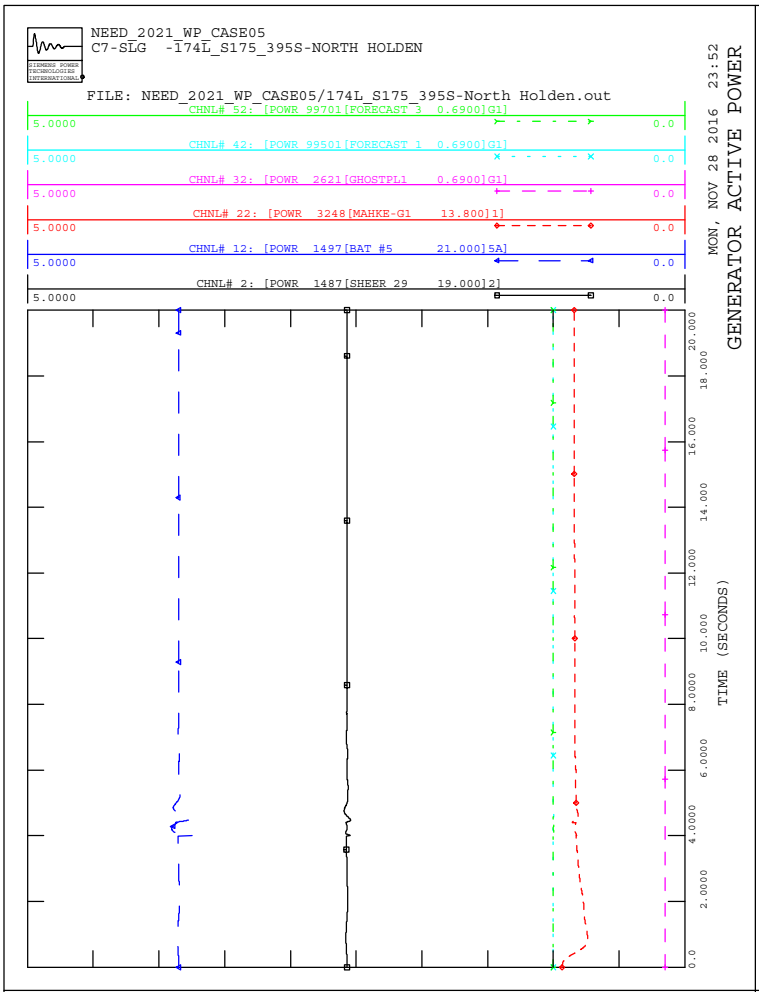
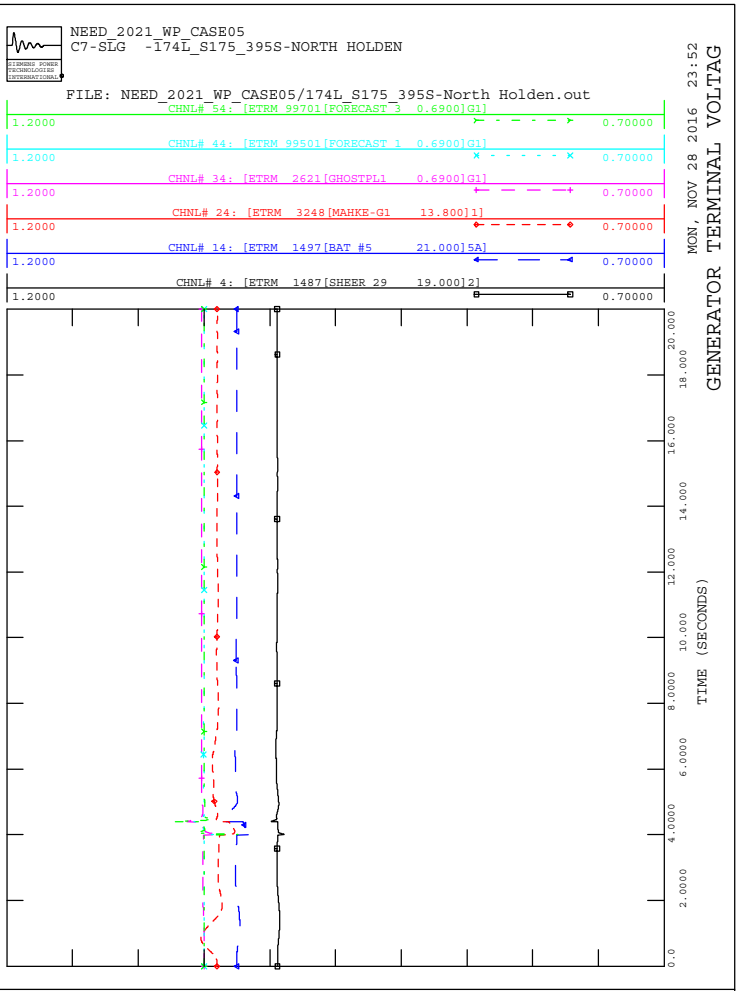
C7-SLG -174L_S175_395S-NORTH HOLDEN

FILE: NEED_2021_WP_CASE05/174L_S175_395S-North Holden.out



MON, NOV 28 2016 23:52
MACHINE ANGEL


NEED_2021_WP_CASE05
C7-SLG -174L_S175_395S-NORTH HOLDEN
FILE: NEED_2021_WP_CASE05/174L_S175_395S-North Holden.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C7-SLG -174L_S175_395S-NORTH HOLDEN
FILE: NEED_2021_WP_CASE05/174L_S175_395S-North Holden.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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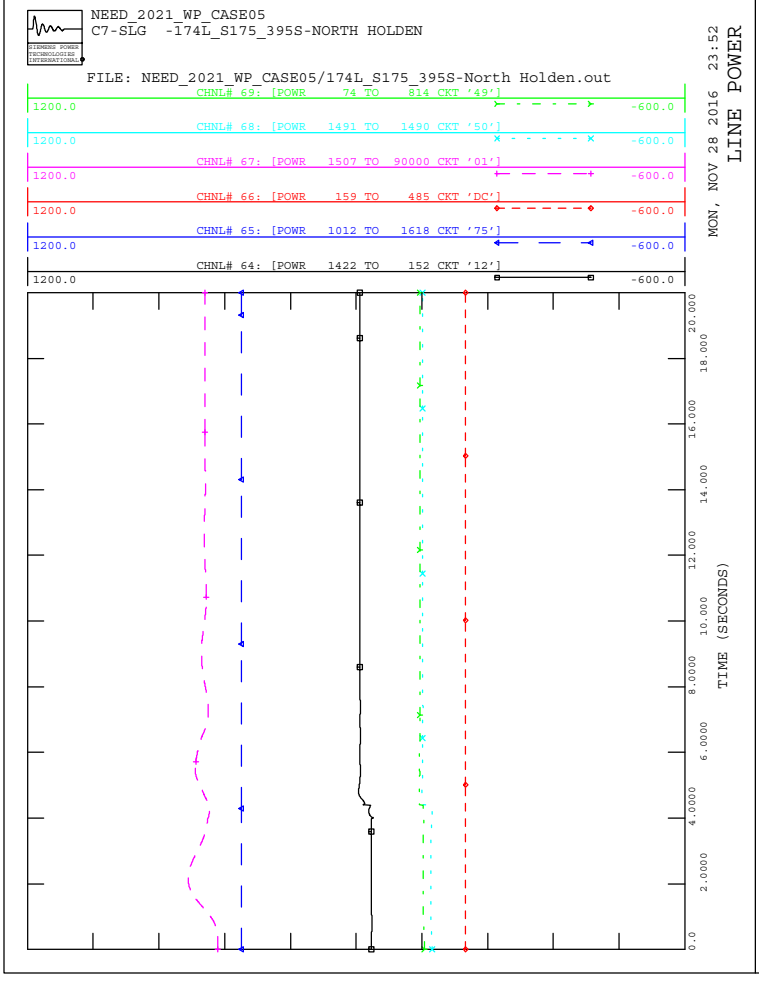
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C7-SLG -174L_S175_395S-NORTH HOLDEN
FILE: NEED_2021_WP_CASE05/174L_S175_395S-North Holden.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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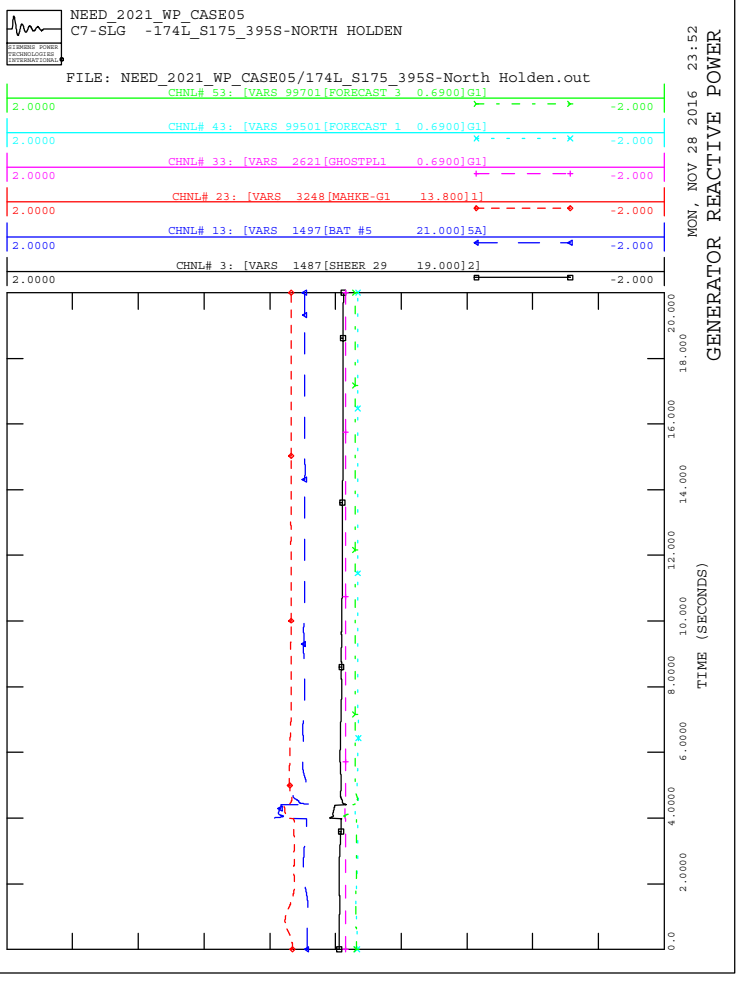
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:52
LINE POWER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C7-SLG -174L_S175_395S-NORTH HOLDEN
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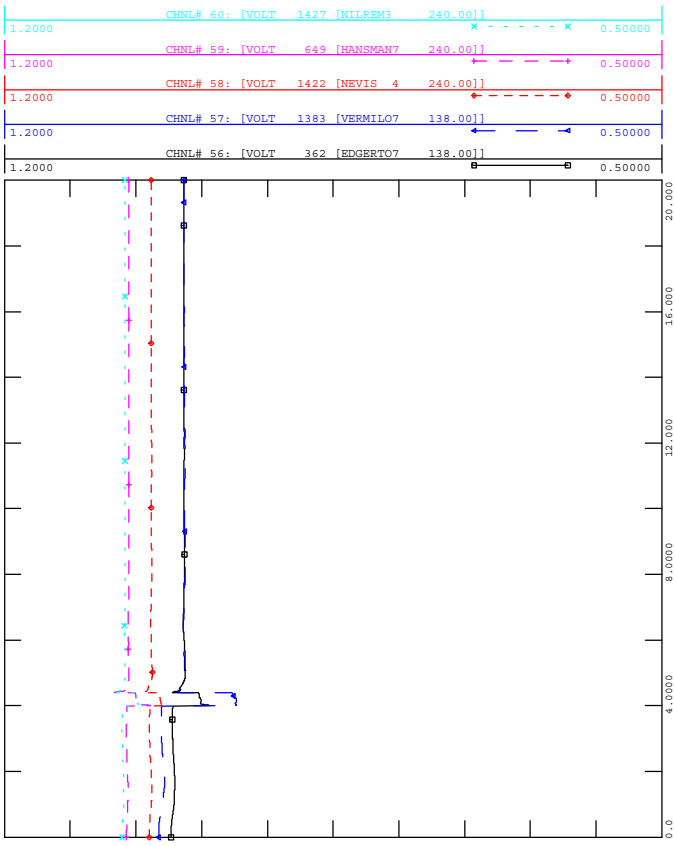
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: NEED_2021_WP_CASE05/701L_S701X_395S-North Holden.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

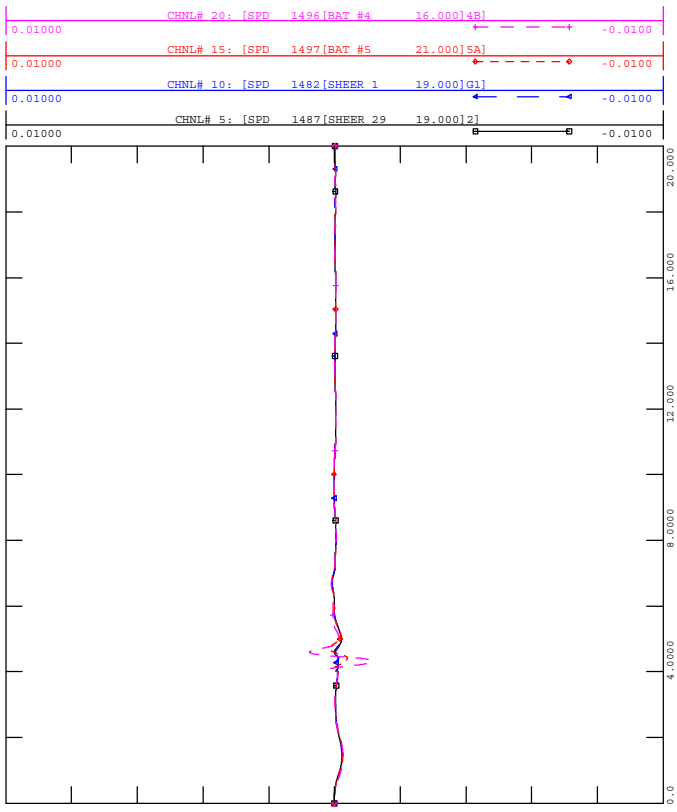


NEED_2021_WP_CASE05
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: NEED_2021_WP_CASE05/701L_S701X_395S-North Holden.out

MON, NOV 28 2016 23:52

MACHINE SPEED

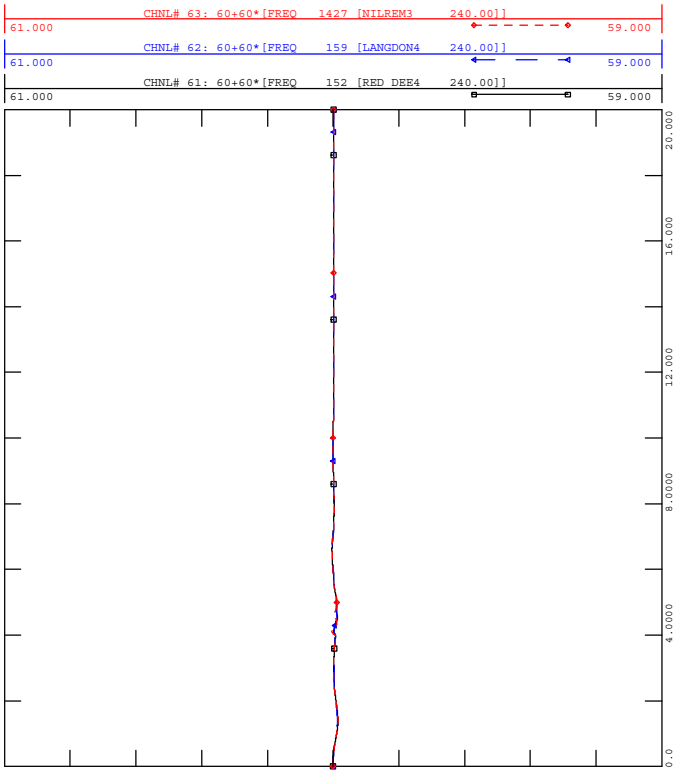


NEED_2021_WP_CASE05
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: NEED_2021_WP_CASE05/701L_S701X_395S-North Holden.out

MON, NOV 28 2016 23:52

FREQUENCY

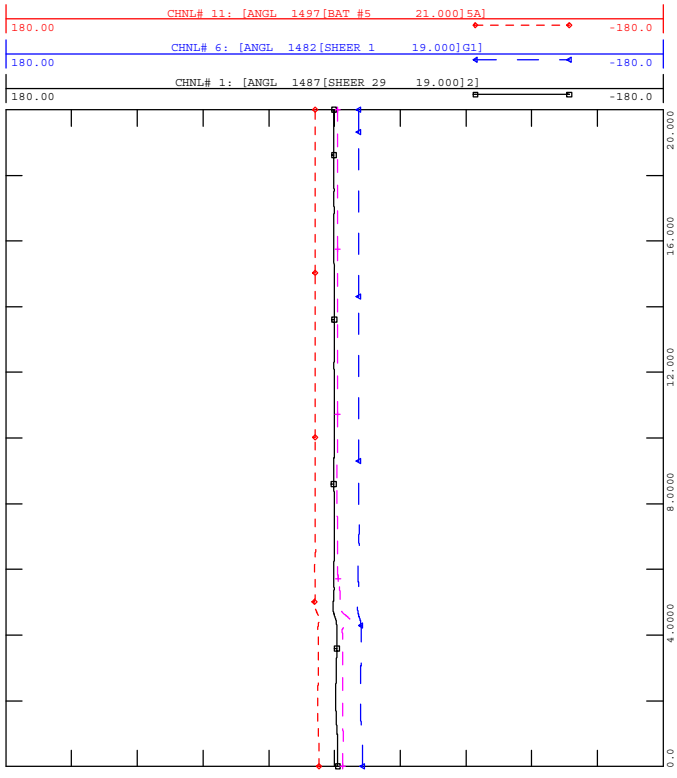


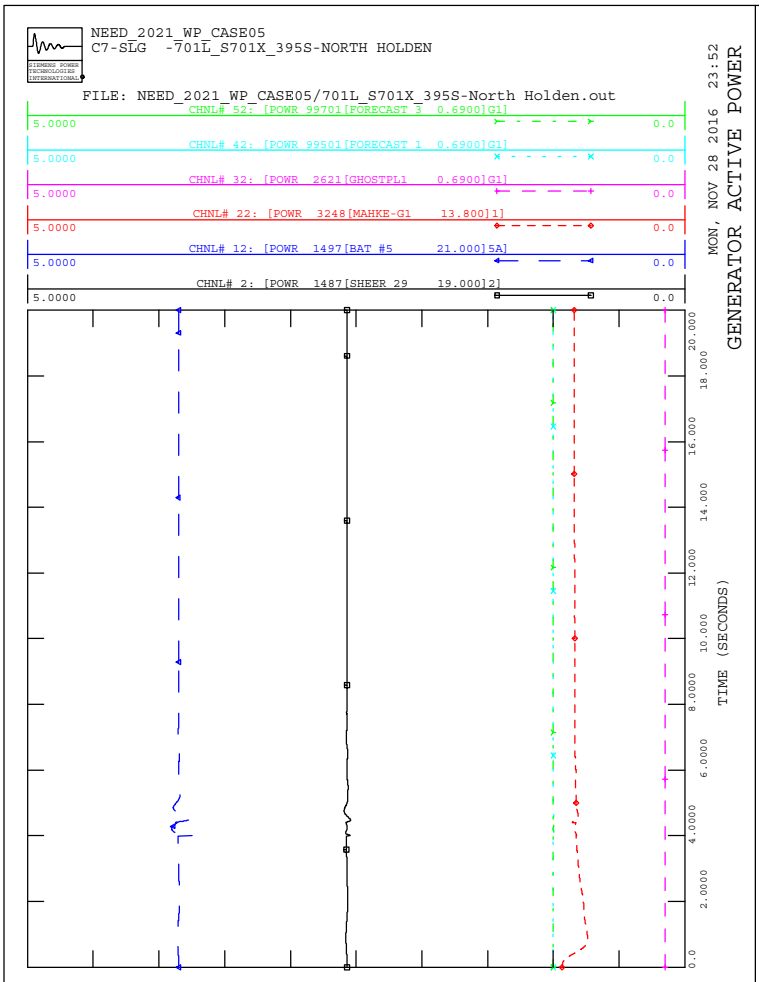
NEED_2021_WP_CASE05
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: NEED_2021_WP_CASE05/701L_S701X_395S-North Holden.out

MON, NOV 28 2016 23:52

MACHINE ANGEL

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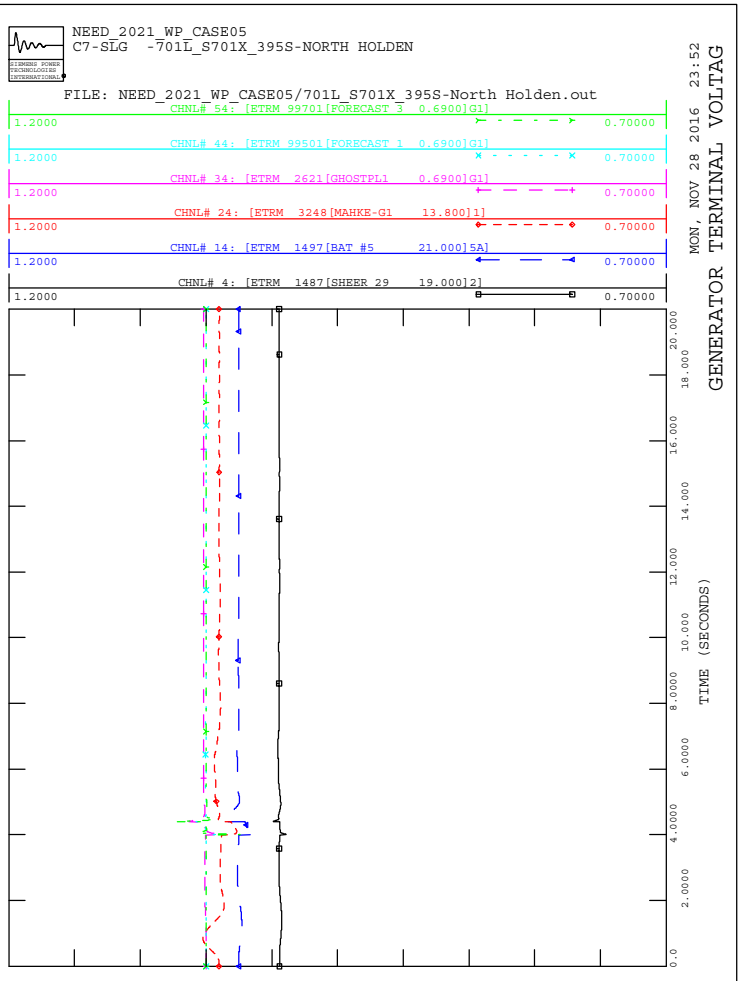
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: NEED_2021_WP_CASE05/701L_S701X_395S-North Holden.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: NEED_2021_WP_CASE05/701L_S701X_395S-North Holden.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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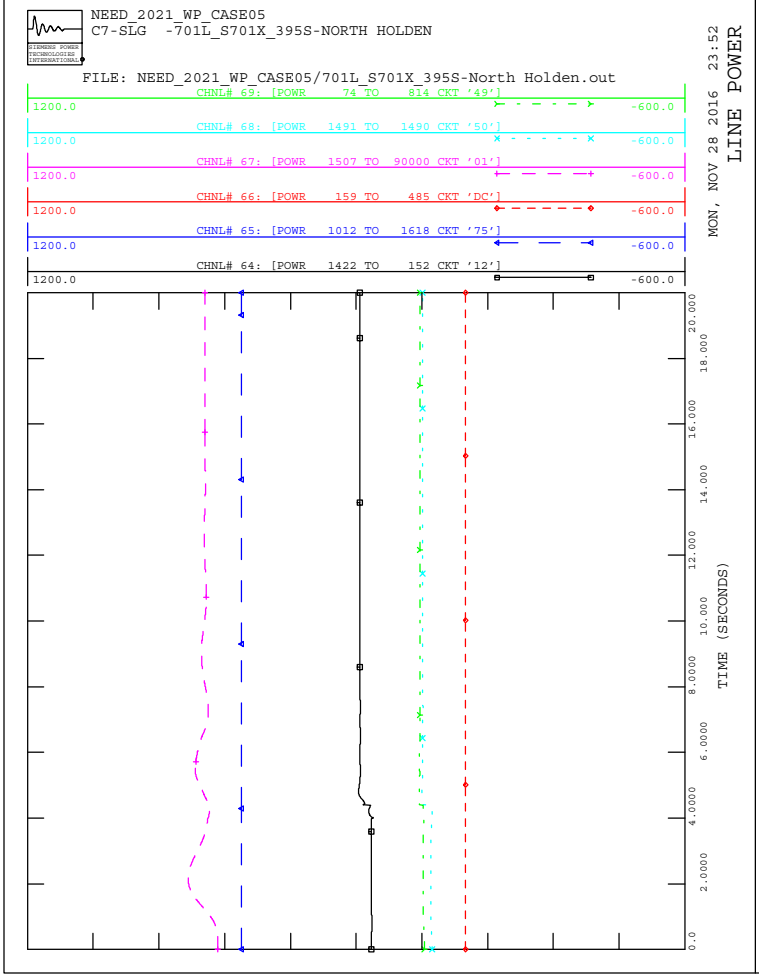
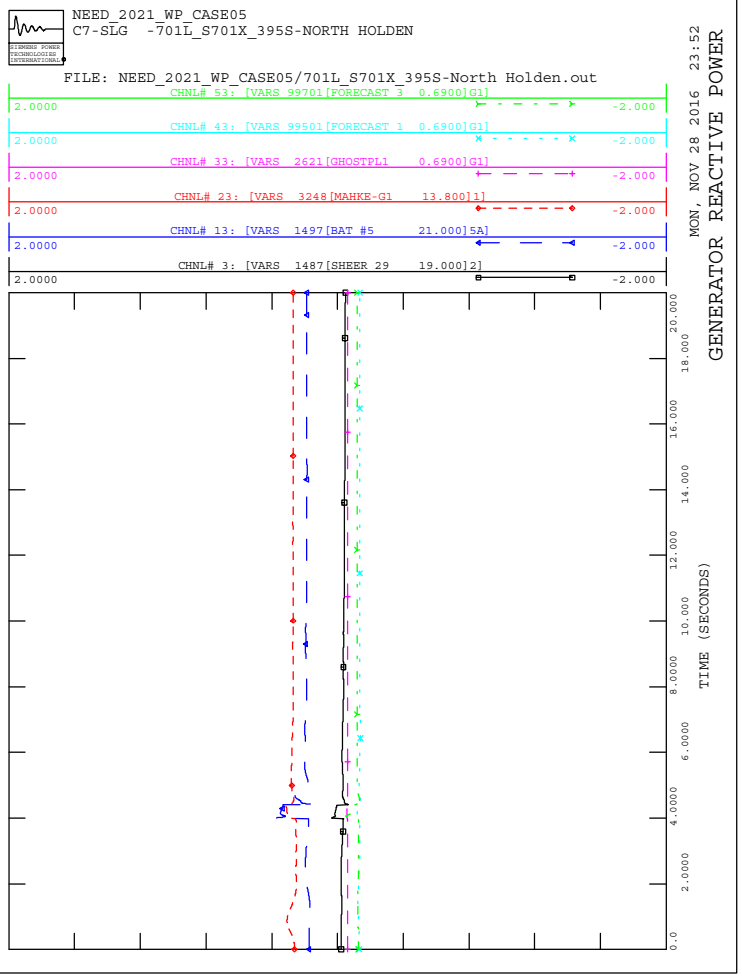
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: NEED_2021_WP_CASE05/701L_S701X_395S-North Holden.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:52
LINE POWER

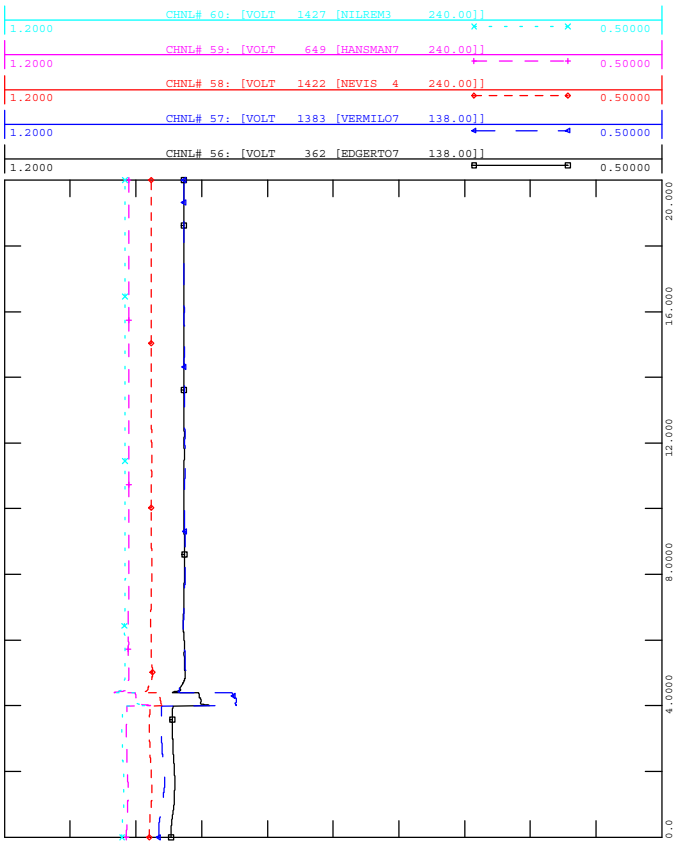

NEED_2021_WP_CASE05
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: NEED_2021_WP_CASE05/701L_S701X_395S-North Holden.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: NEED_2021_WP_CASE05/7L77_S77E_395S-North Holden.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

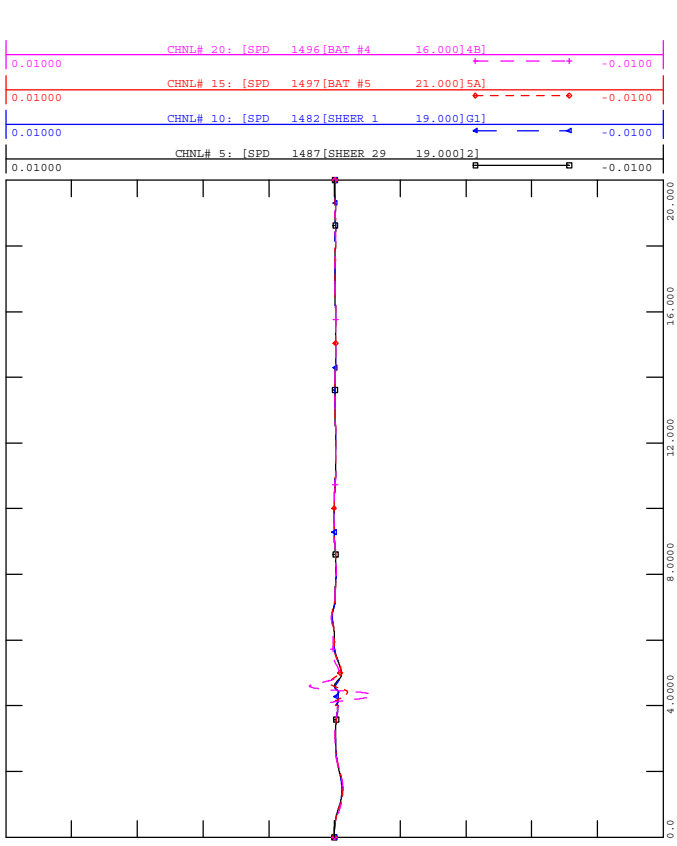


NEED_2021_WP_CASE05
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: NEED_2021_WP_CASE05/7L77_S77E_395S-North Holden.out

MON, NOV 28 2016 23:52

MACHINE SPEED

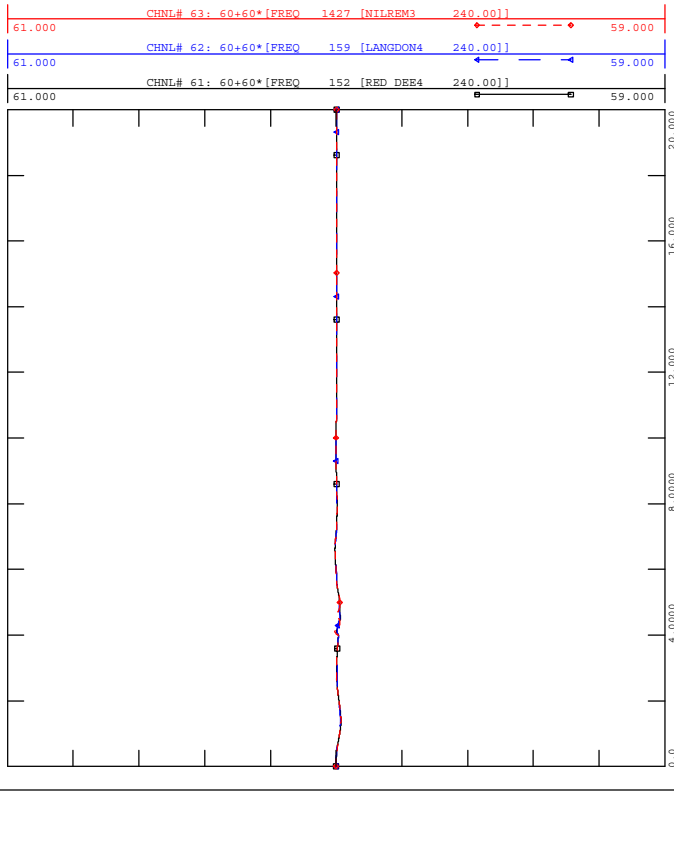


NEED_2021_WP_CASE05
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: NEED_2021_WP_CASE05/7L77_S77E_395S-North Holden.out

MON, NOV 28 2016 23:52

FREQUENCY

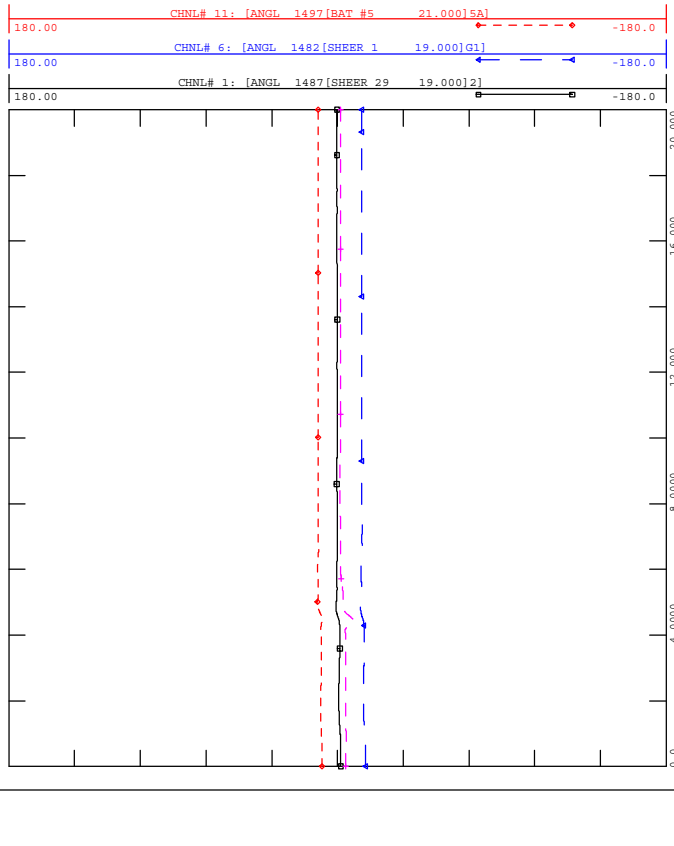


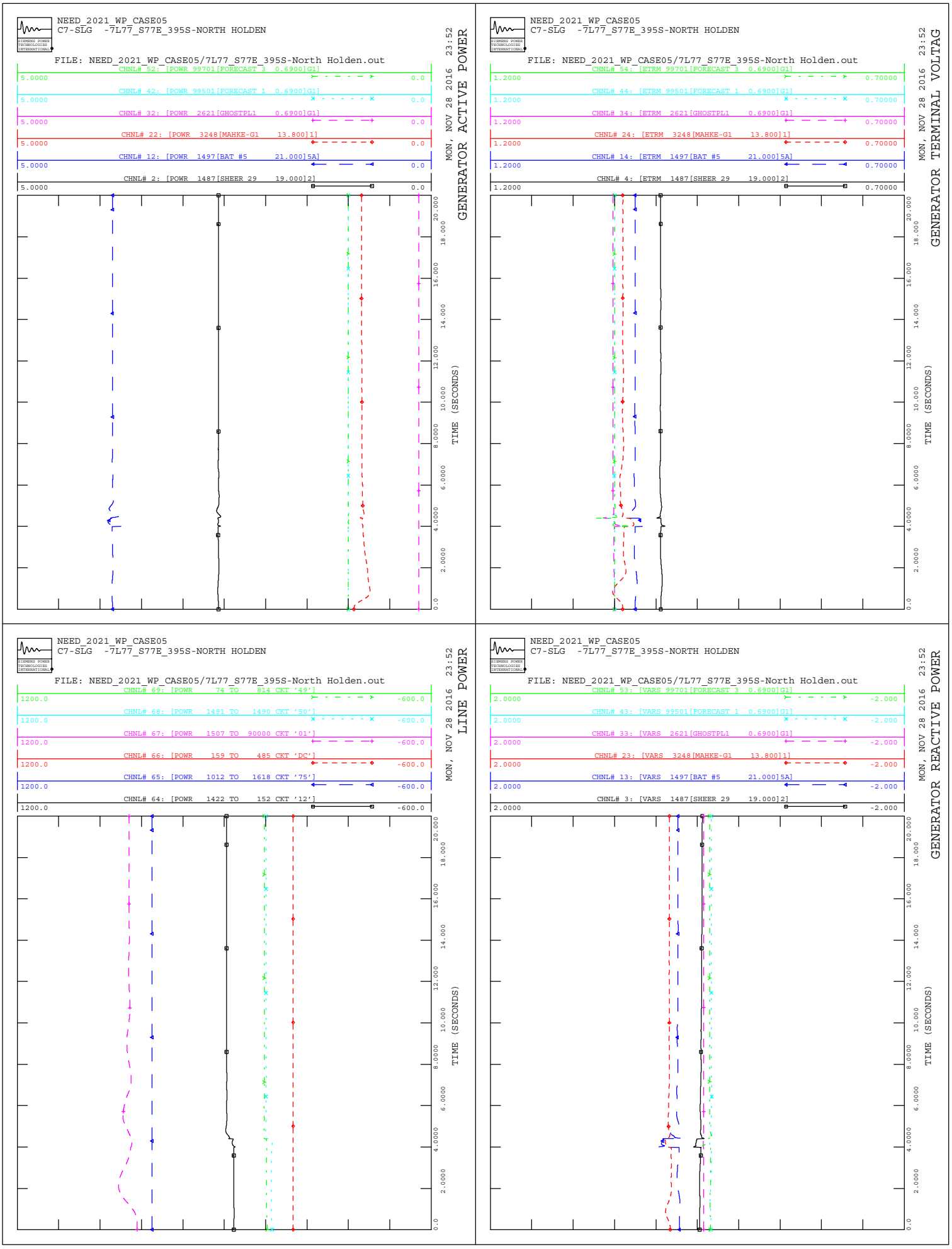
NEED_2021_WP_CASE05
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: NEED_2021_WP_CASE05/7L77_S77E_395S-North Holden.out

MON, NOV 28 2016 23:52

MACHINE ANGEL




NEED_2021_WP_CASE05
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: NEED_2021_WP_CASE05/7L77_S77E_395S-North Holden.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: NEED_2021_WP_CASE05/7L77_S77E_395S-North Holden.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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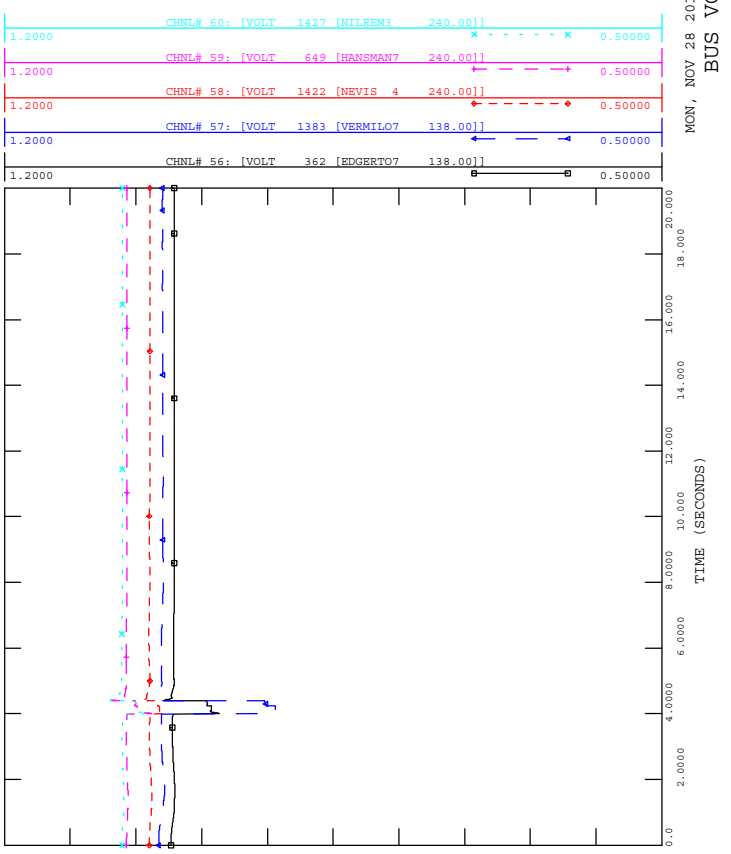
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: NEED_2021_WP_CASE05/7L77_S77E_395S-North Holden.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 23:52
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
NEED_2021_WP_CASE05
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: NEED_2021_WP_CASE05/7L77_S77E_395S-North Holden.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

NEED_2021_WP_CASE05
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L77_S702_709S-Vegreville.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

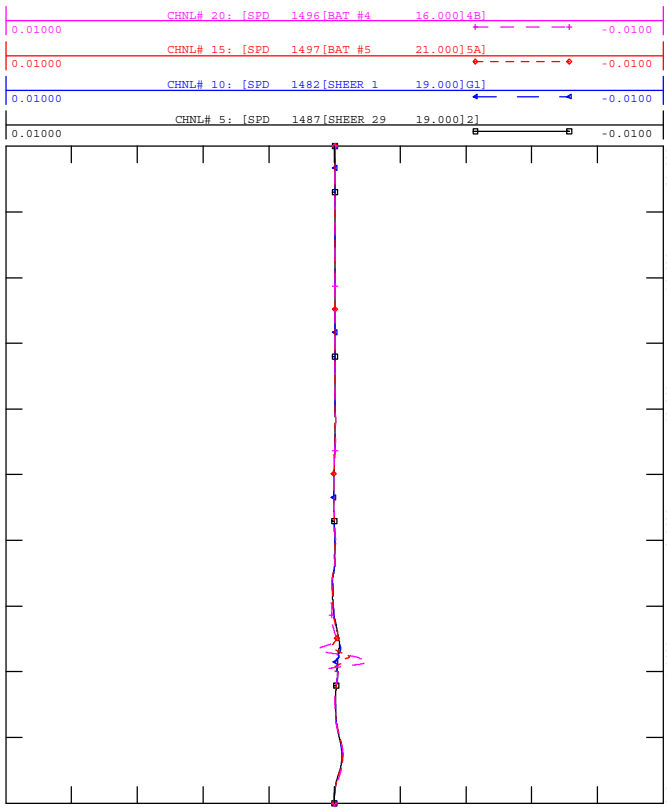


NEED_2021_WP_CASE05
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L77_S702_709S-Vegreville.out

MON, NOV 28 2016 23:52

MACHINE SPEED

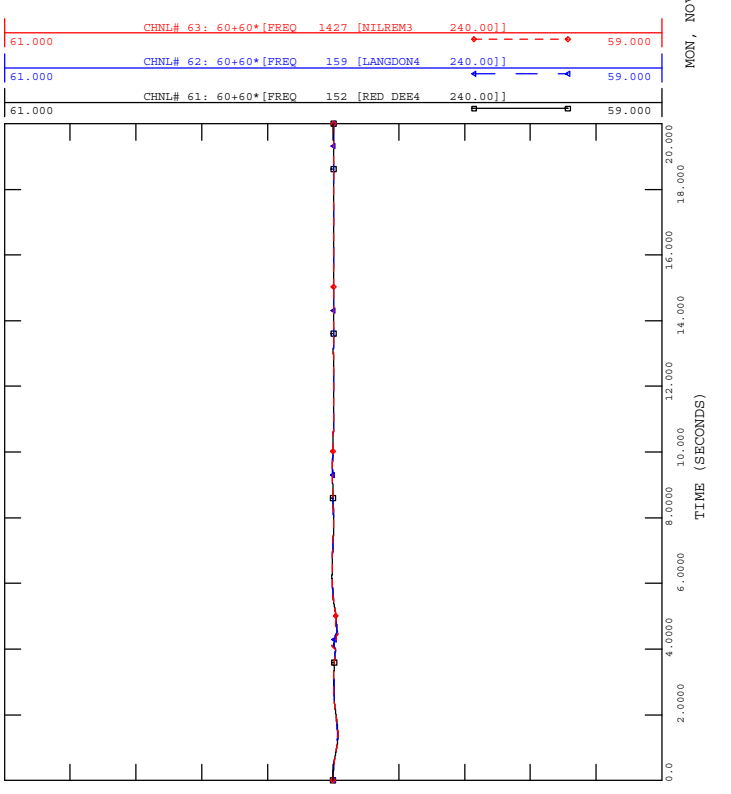


NEED_2021_WP_CASE05
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L77_S702_709S-Vegreville.out

MON, NOV 28 2016 23:52

FREQUENCY

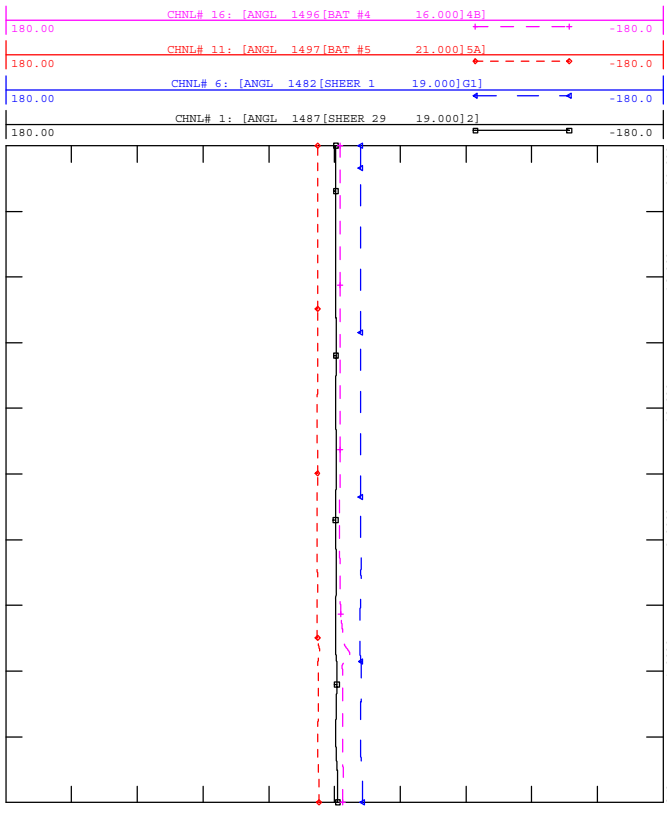


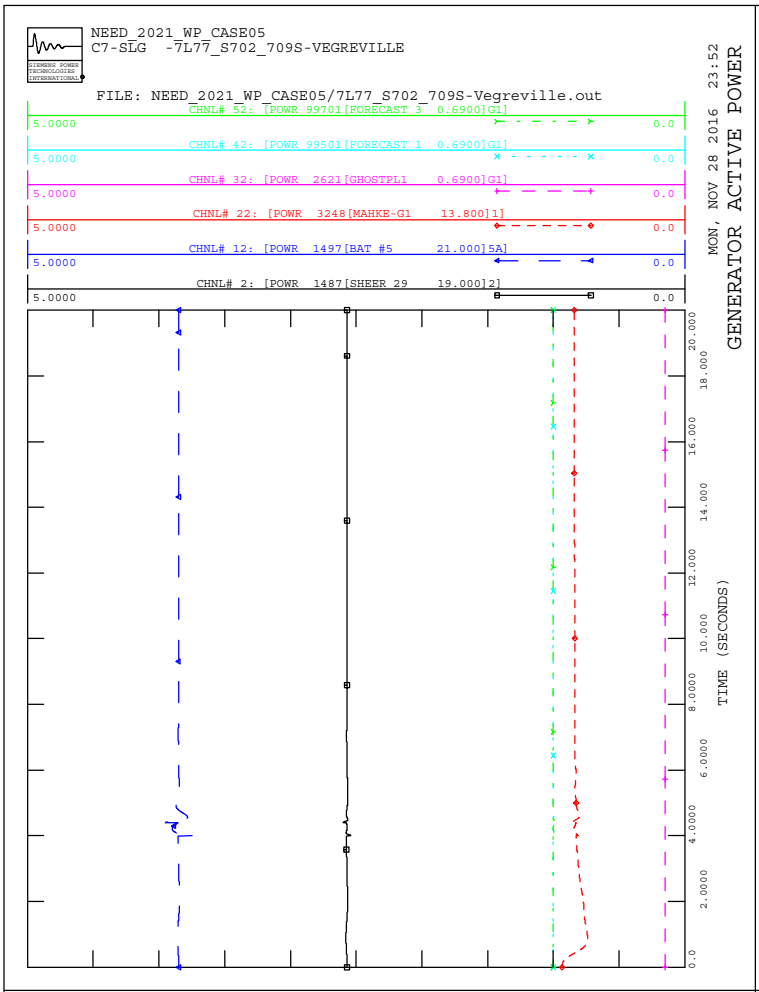
NEED_2021_WP_CASE05
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L77_S702_709S-Vegreville.out

MON, NOV 28 2016 23:52

MACHINE ANGEL

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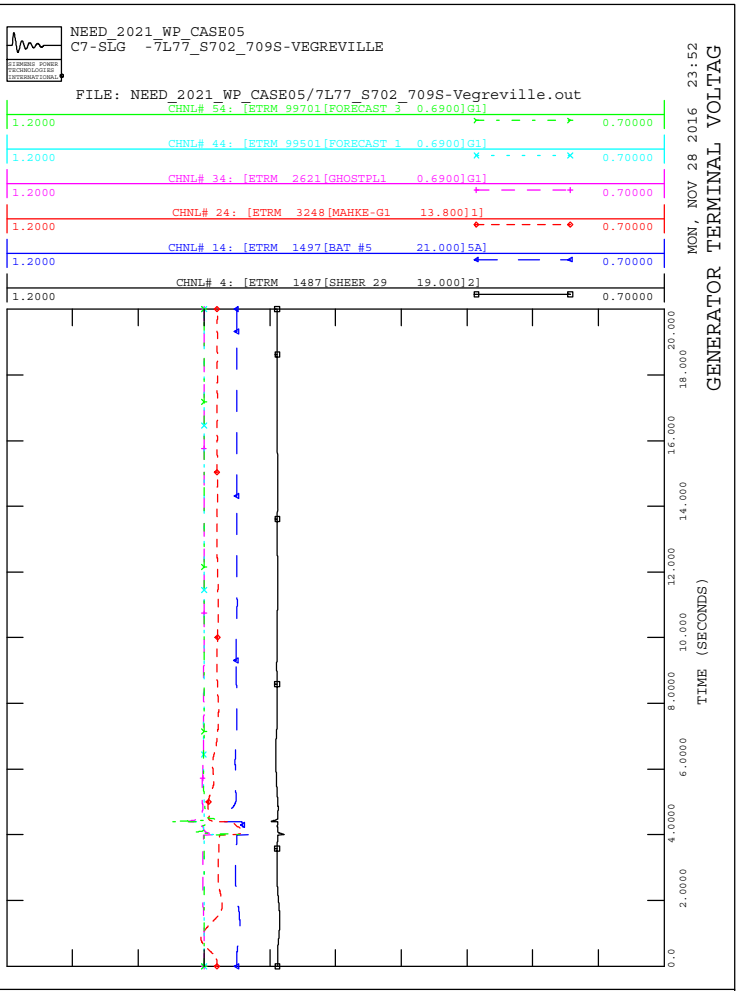
C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: NEED_2021_WP_CASE05/7L77_S702_709S-Vegreville.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER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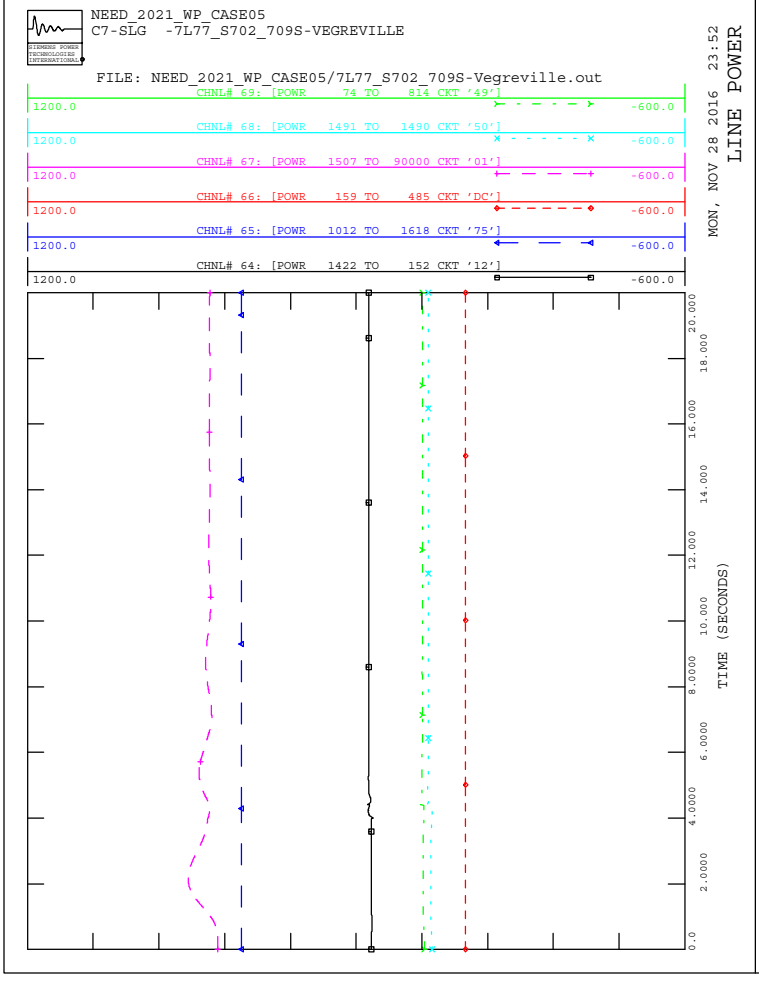
C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: NEED_2021_WP_CASE05/7L77_S702_709S-Vegreville.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: NEED_2021_WP_CASE05/7L77_S702_709S-Vegreville.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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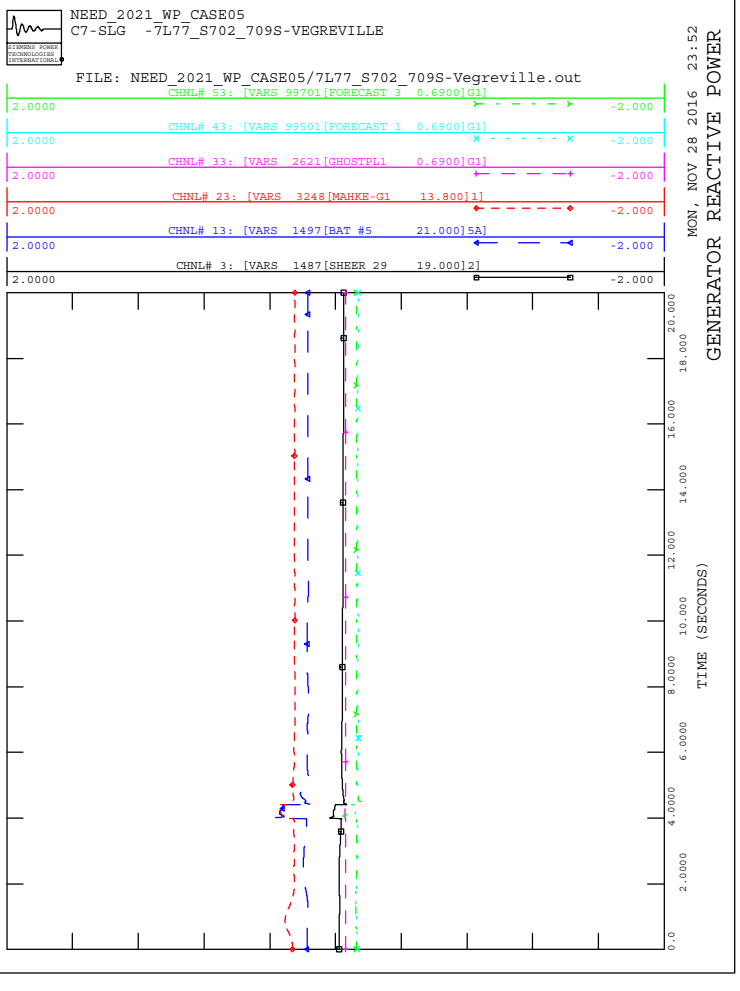
TIME (SECONDS)
MON, NOV 28 2016 23:52
LINE POWER

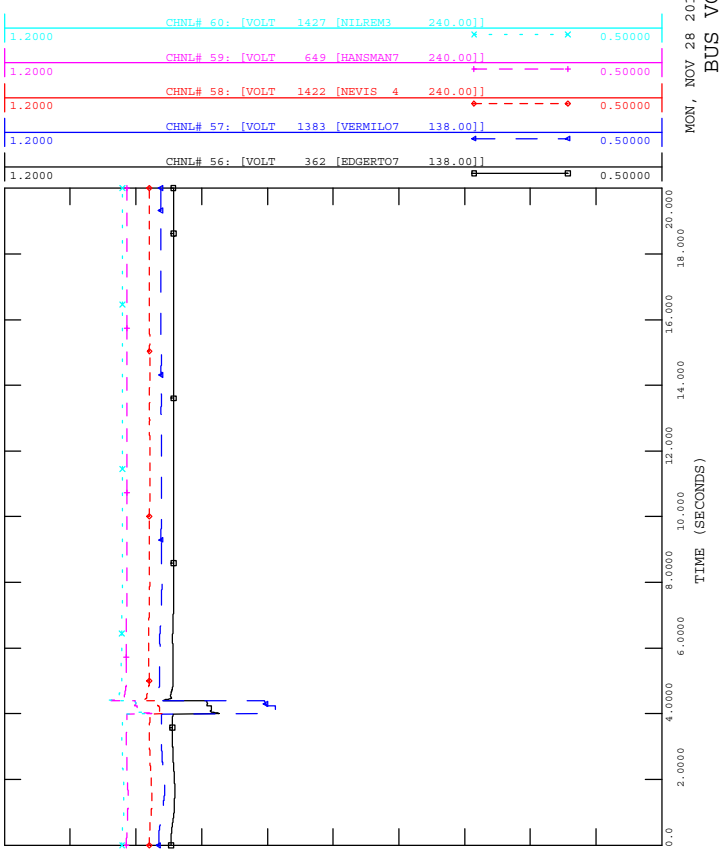

NEED_2021_WP_CASE05
C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: NEED_2021_WP_CASE05/7L77_S702_709S-Vegreville.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L92_S703_709S-Vegreville.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

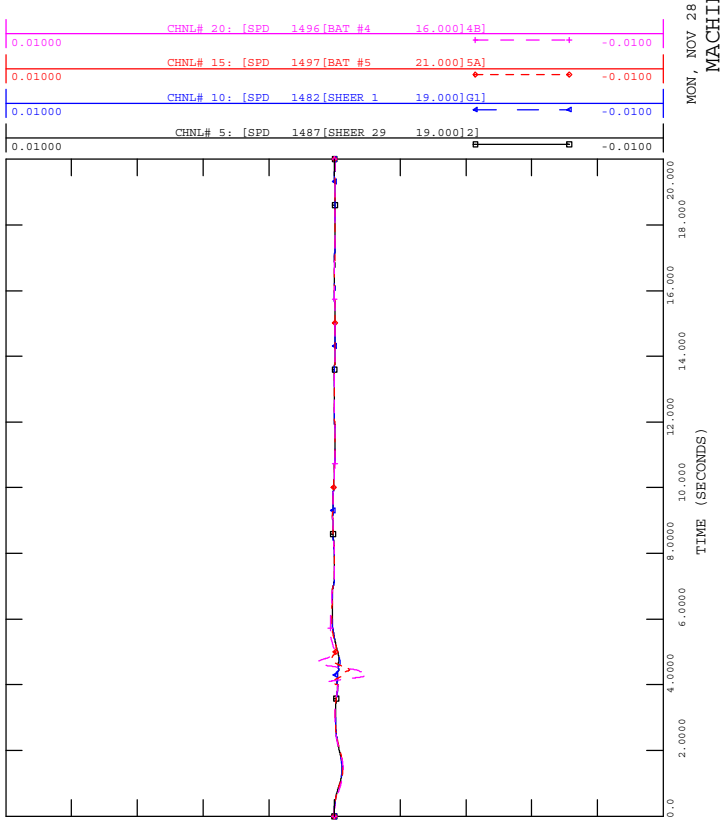


NEED_2021_WP_CASE05
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L92_S703_709S-Vegreville.out

MON, NOV 28 2016 23:52

MACHINE SPEED

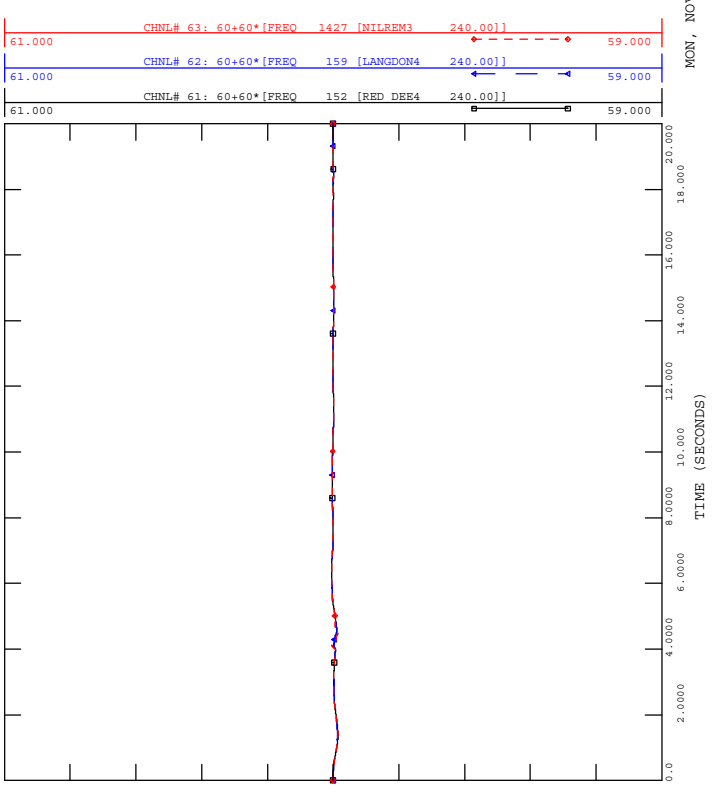


NEED_2021_WP_CASE05
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L92_S703_709S-Vegreville.out

MON, NOV 28 2016 23:52

FREQUENCY

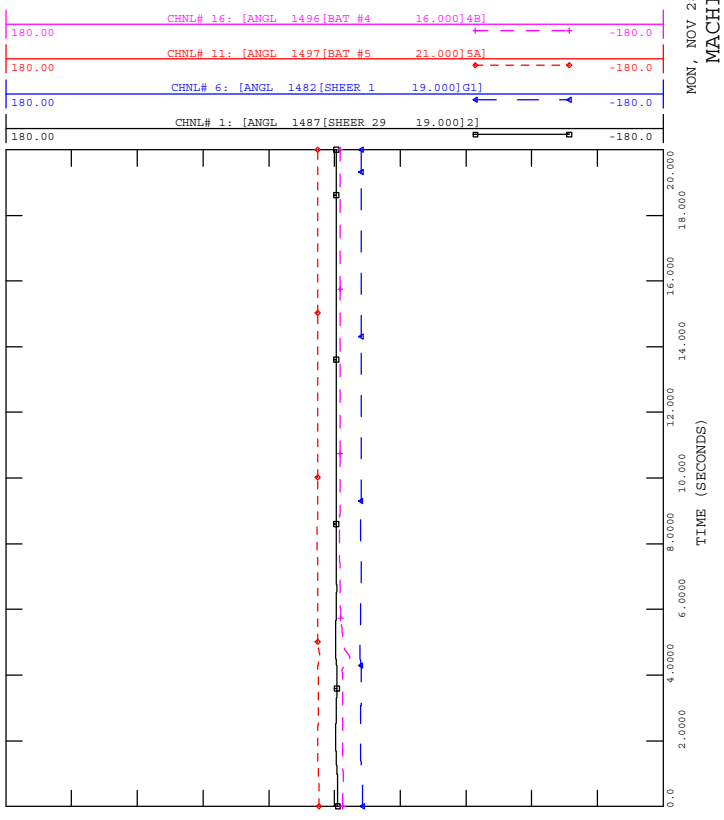


NEED_2021_WP_CASE05
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L92_S703_709S-Vegreville.out

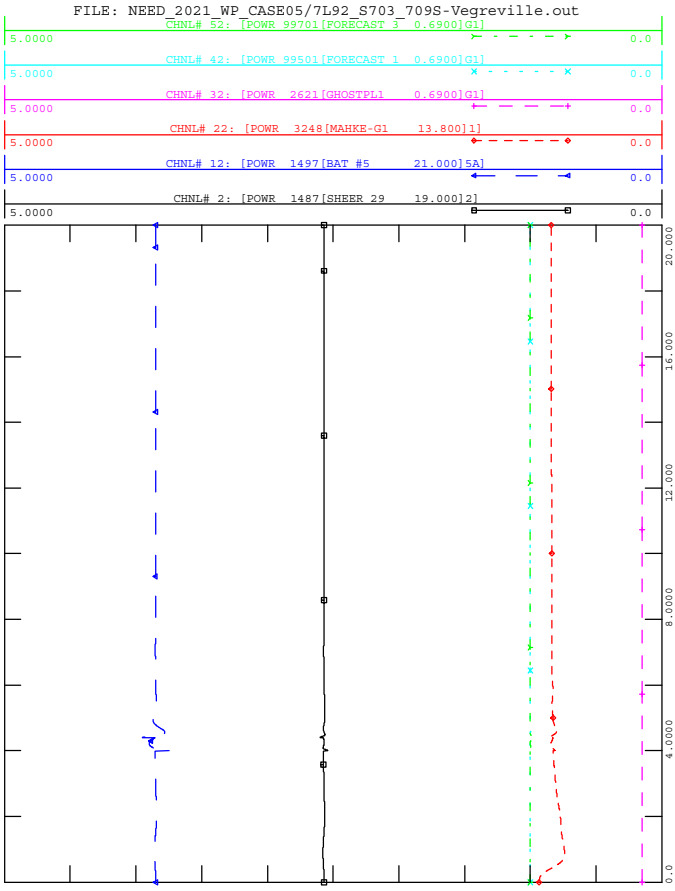
MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -7L92_S703_709S-VEGREVILLE

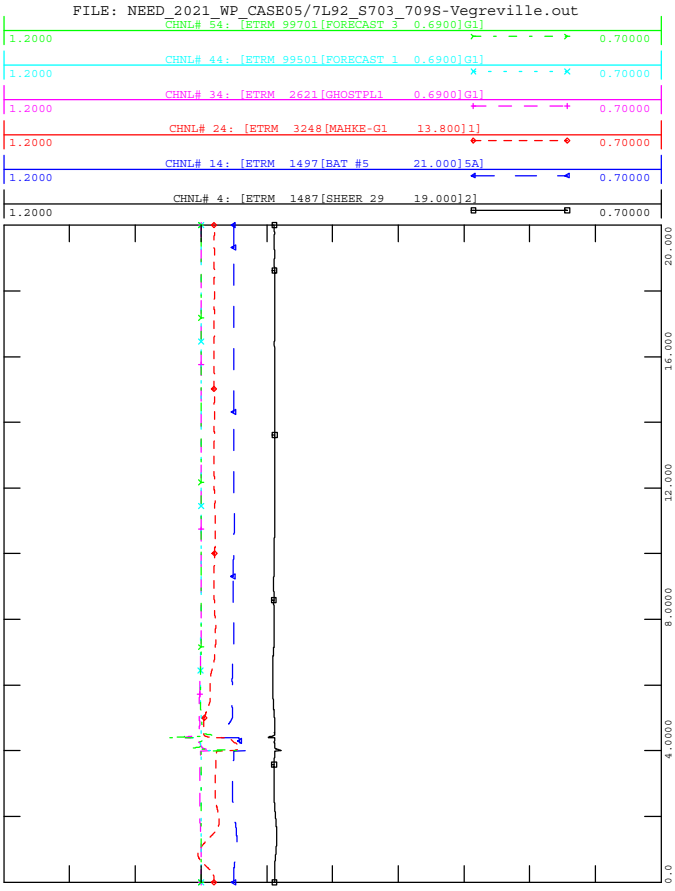
FILE: NEED_2021_WP_CASE05/7L92_S703_709S-Vegreville.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -7L92_S703_709S-VEGREVILLE

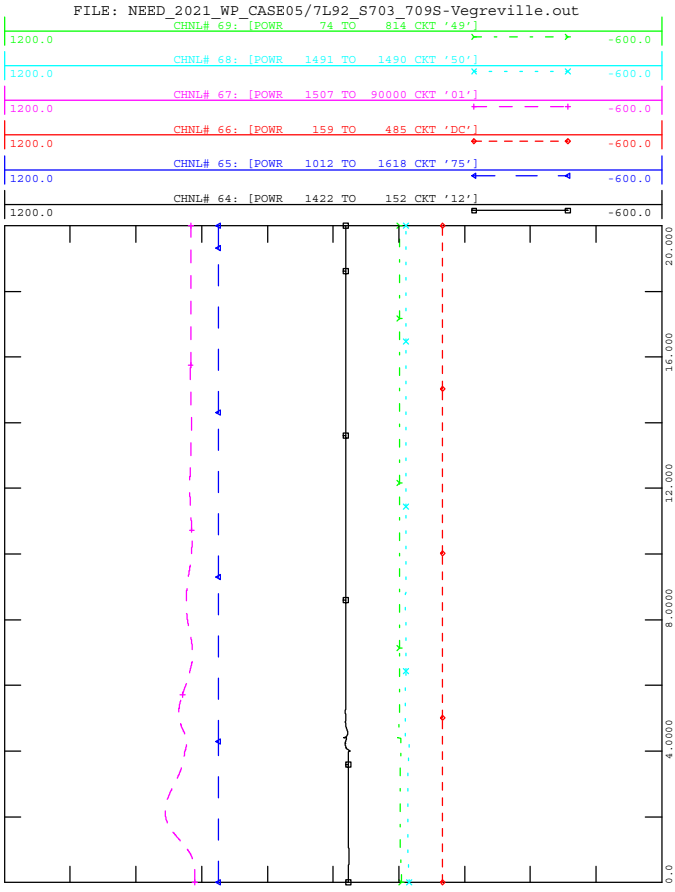
FILE: NEED_2021_WP_CASE05/7L92_S703_709S-Vegreville.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -7L92_S703_709S-VEGREVILLE

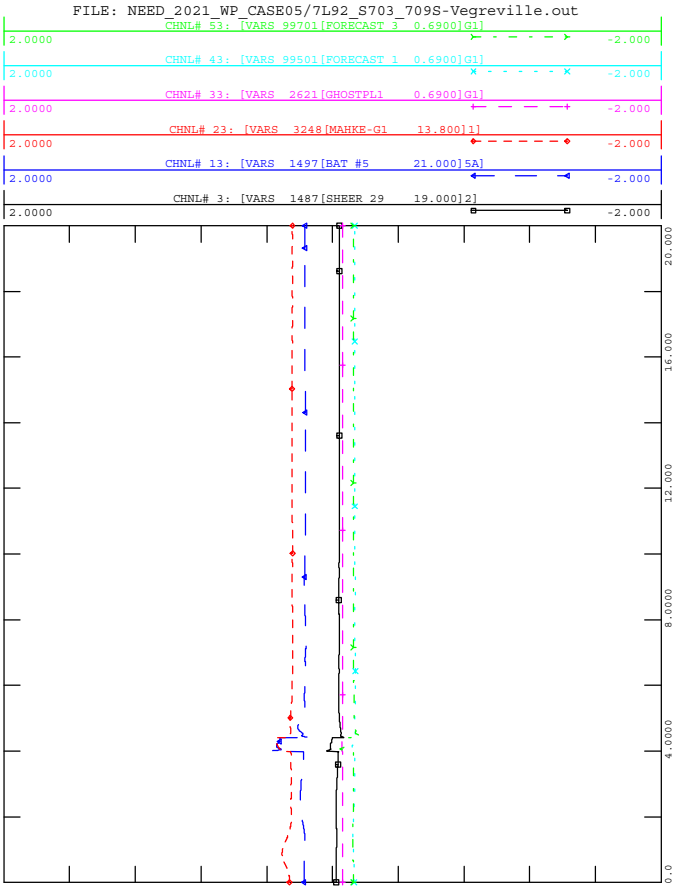
FILE: NEED_2021_WP_CASE05/7L92_S703_709S-Vegreville.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L92_S703_709S-Vegreville.out



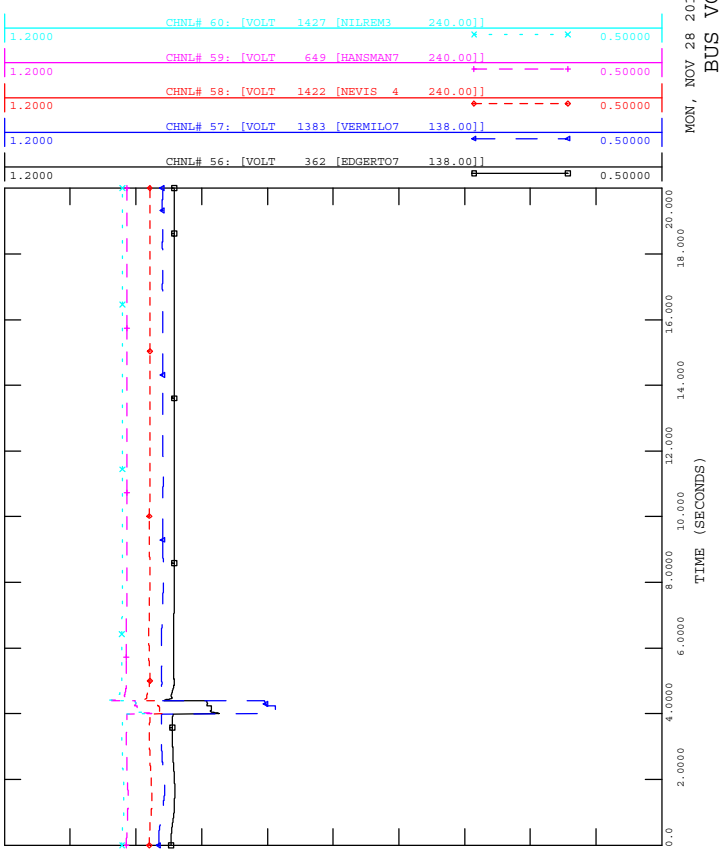
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L65_S701_709S-Vegreville.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

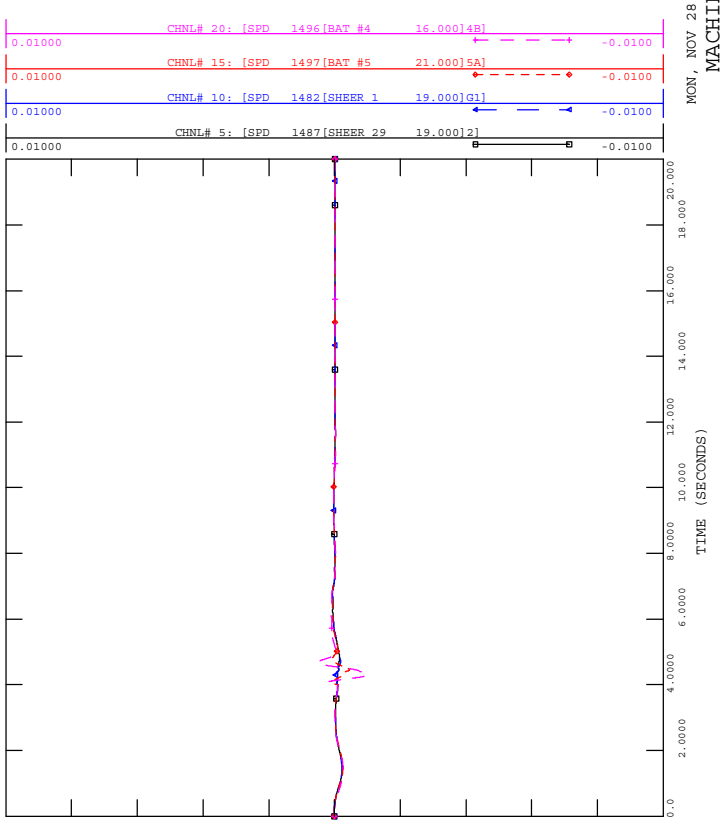


NEED_2021_WP_CASE05
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L65_S701_709S-Vegreville.out

MON, NOV 28 2016 23:52

MACHINE SPEED

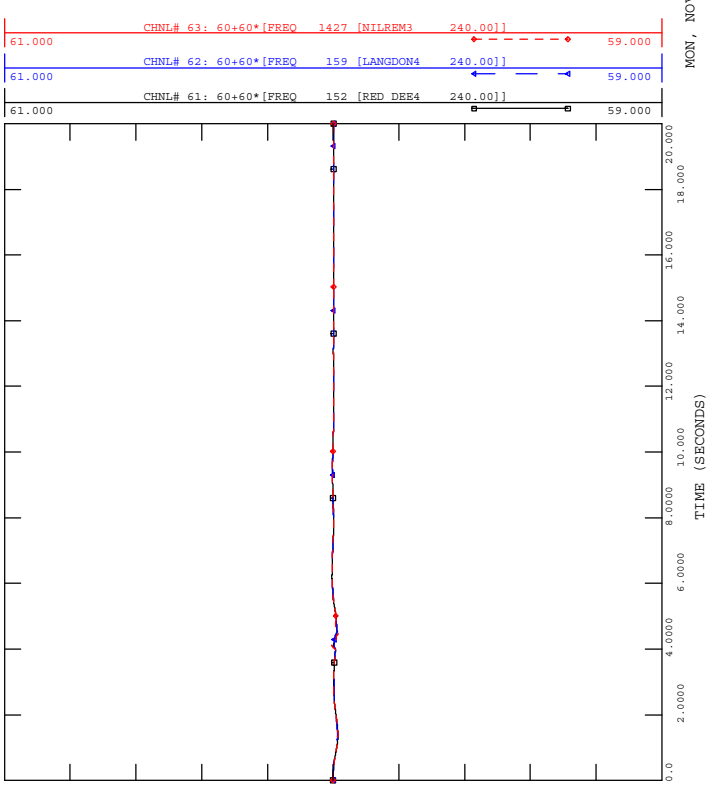


NEED_2021_WP_CASE05
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L65_S701_709S-Vegreville.out

MON, NOV 28 2016 23:52

FREQUENCY

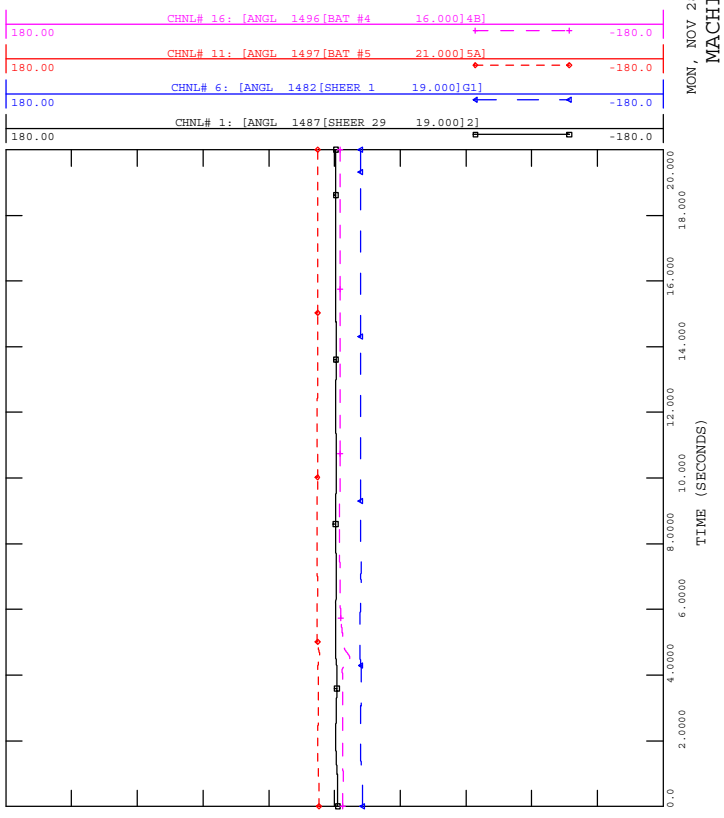


NEED_2021_WP_CASE05
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: NEED_2021_WP_CASE05/7L65_S701_709S-Vegreville.out

MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -7L65_S701_709S-VEGREVILLE

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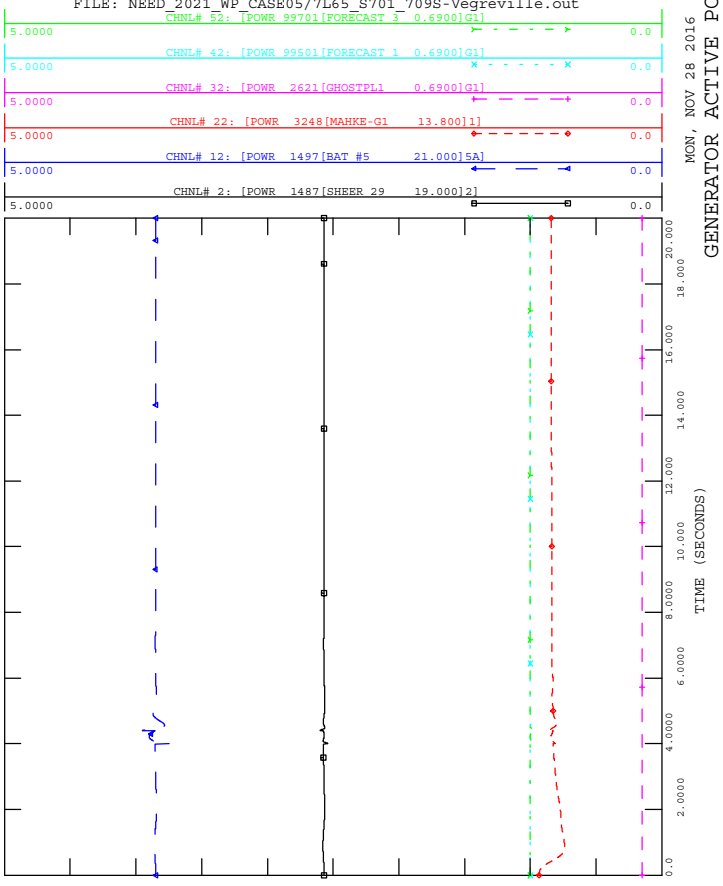
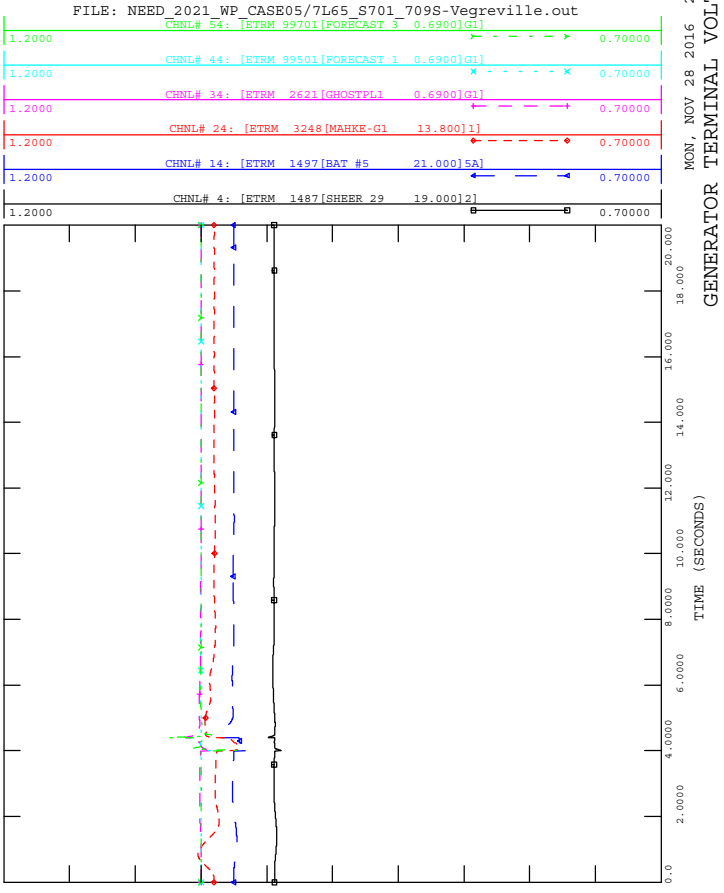


MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -7L65_S701_709S-VEGREVILLE

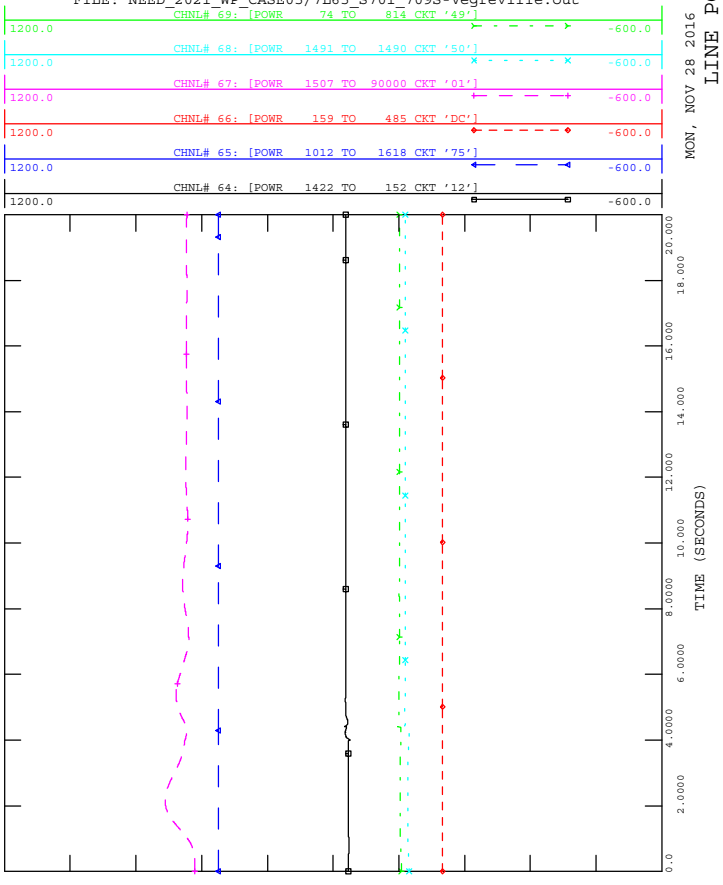
FILE: NEED_2021_WP_CASE05/7L65_S701_709S-Vegreville.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -7L65_S701_709S-VEGREVILLE

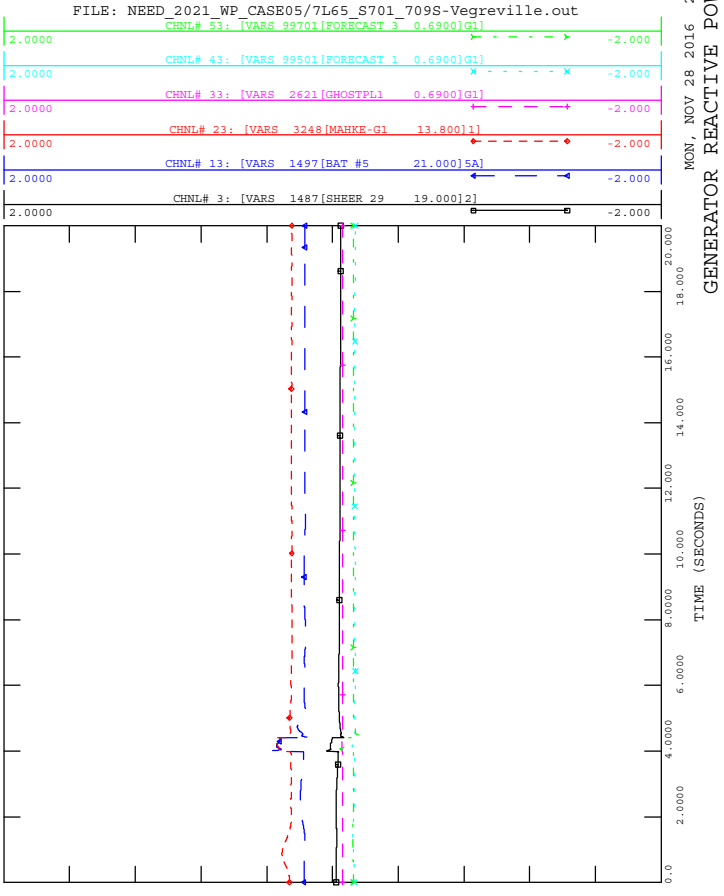
FILE: NEED_2021_WP_CASE05/7L65_S701_709S-Vegreville.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -7L65_S701_709S-VEGREVILLE

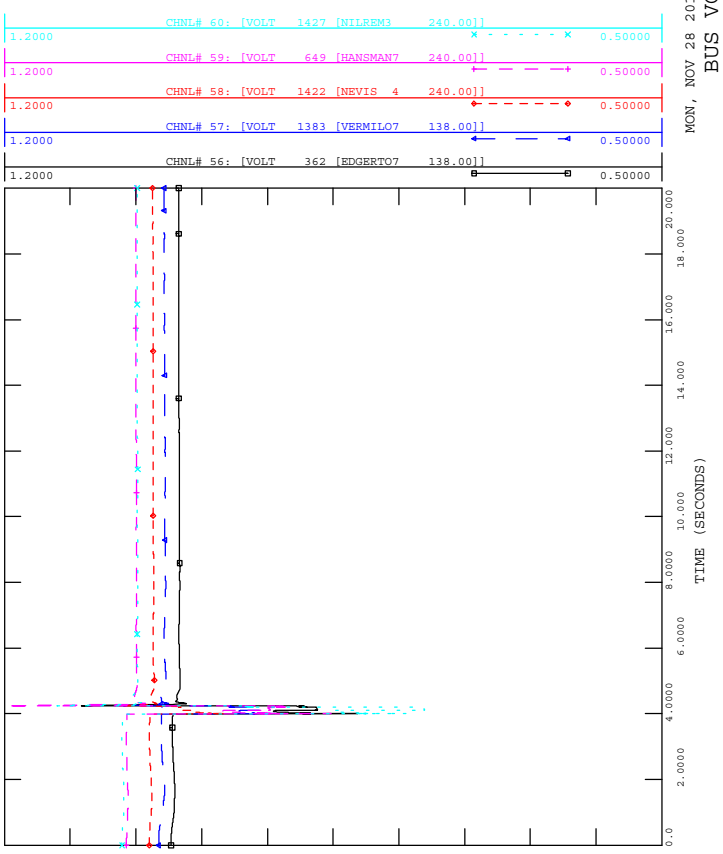
FILE: NEED_2021_WP_CASE05/7L65_S701_709S-Vegreville.out



MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -953L_S552_574S-NILREM

FILE: NEED_2021_WP_CASE05/953L_S552_574S-Nilrem.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -953L_S552_574S-NILREM

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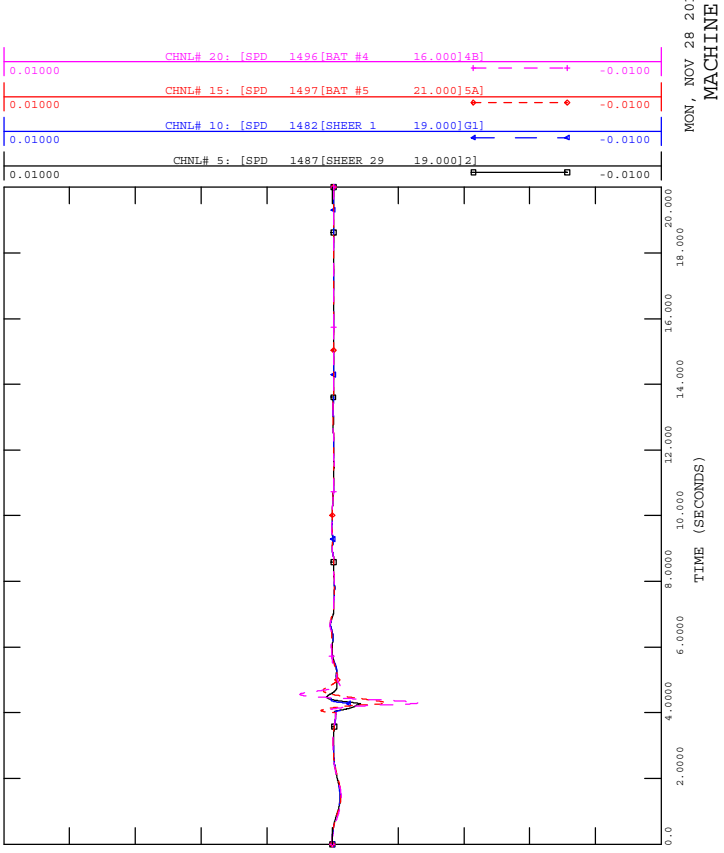
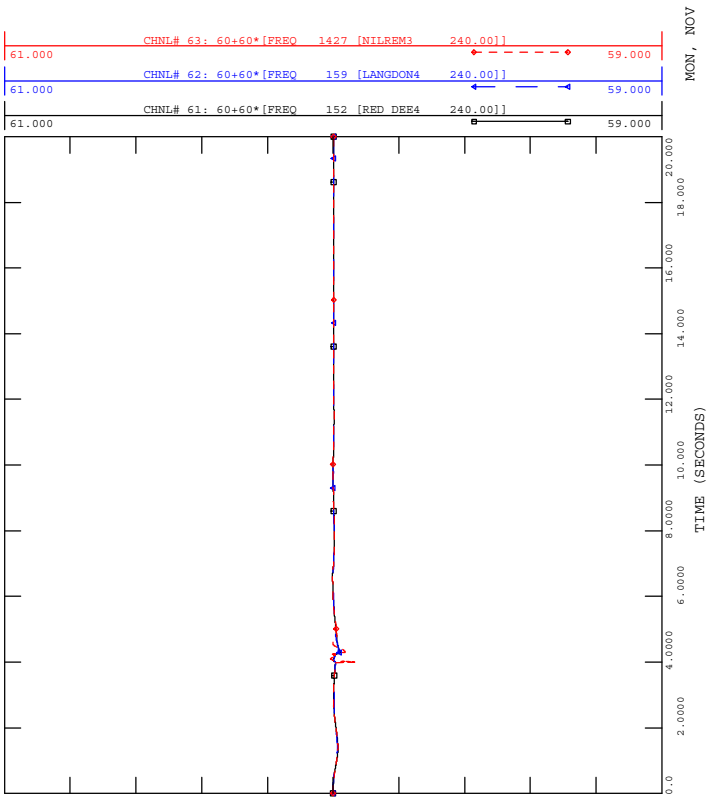


MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -953L_S552_574S-NILREM

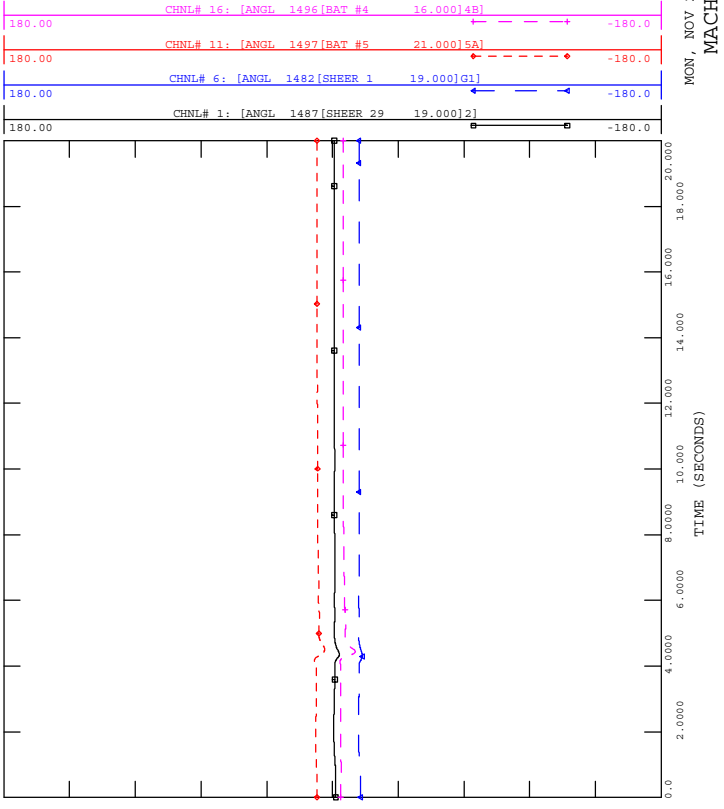
FILE: NEED_2021_WP_CASE05/953L_S552_574S-Nilrem.out



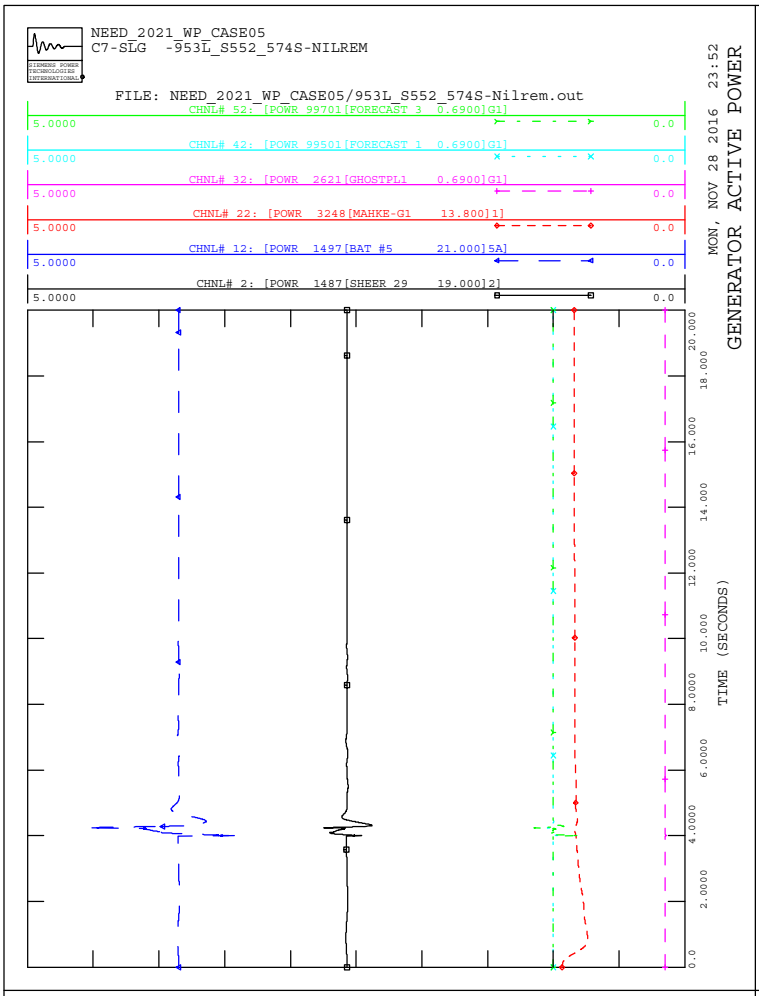
MON, NOV 28 2016 23:52
FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -953L_S552_574S-NILREM

FILE: NEED_2021_WP_CASE05/953L_S552_574S-Nilrem.out



MON, NOV 28 2016 23:52
MACHINE ANGEL


NEED_2021_WP_CASE05
C7-SLG -953L_S552_574S-NILREM
FILE: NEED_2021_WP_CASE05/953L_S552_574S-Nilrem.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
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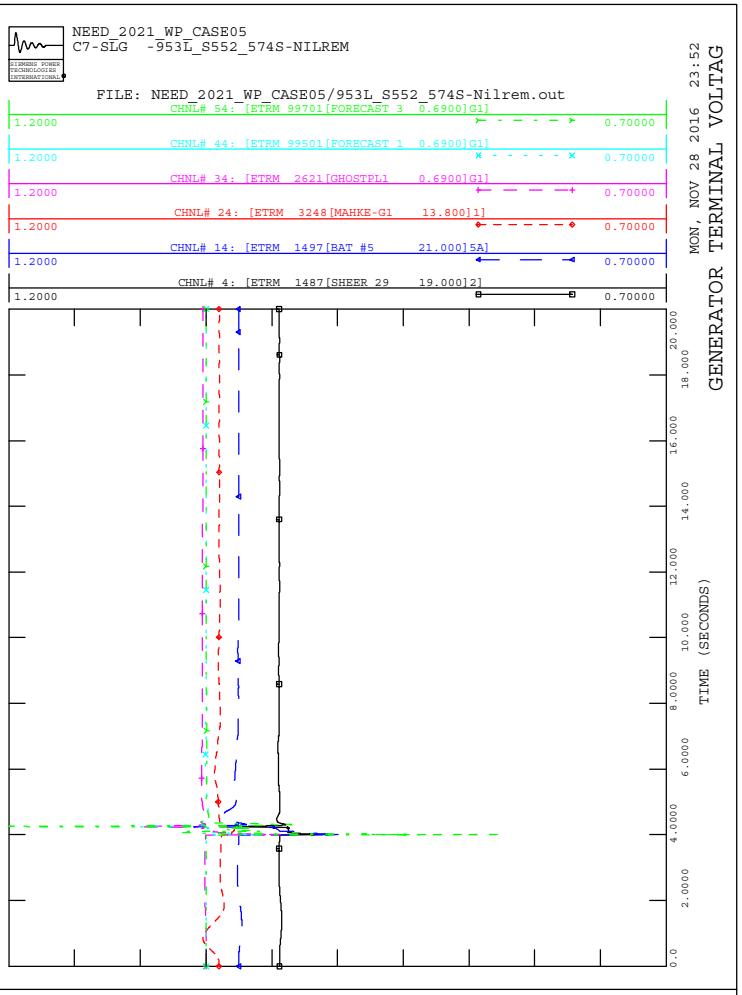
20.000
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER


NEED_2021_WP_CASE05
C7-SLG -953L_S552_574S-NILREM
FILE: NEED_2021_WP_CASE05/953L_S552_574S-Nilrem.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
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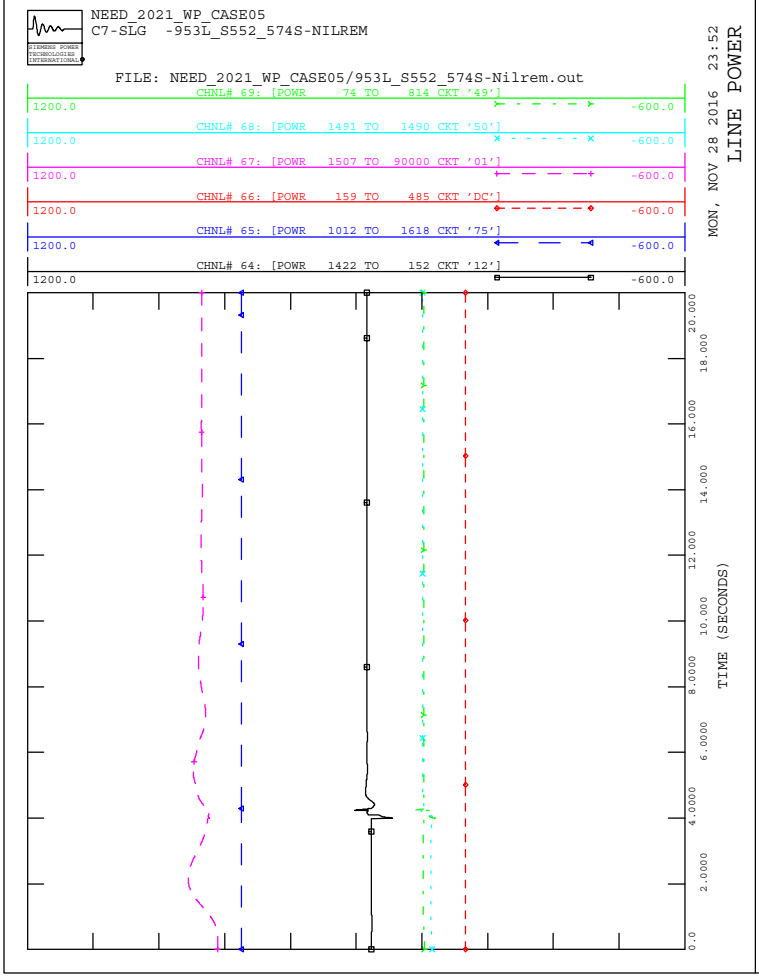
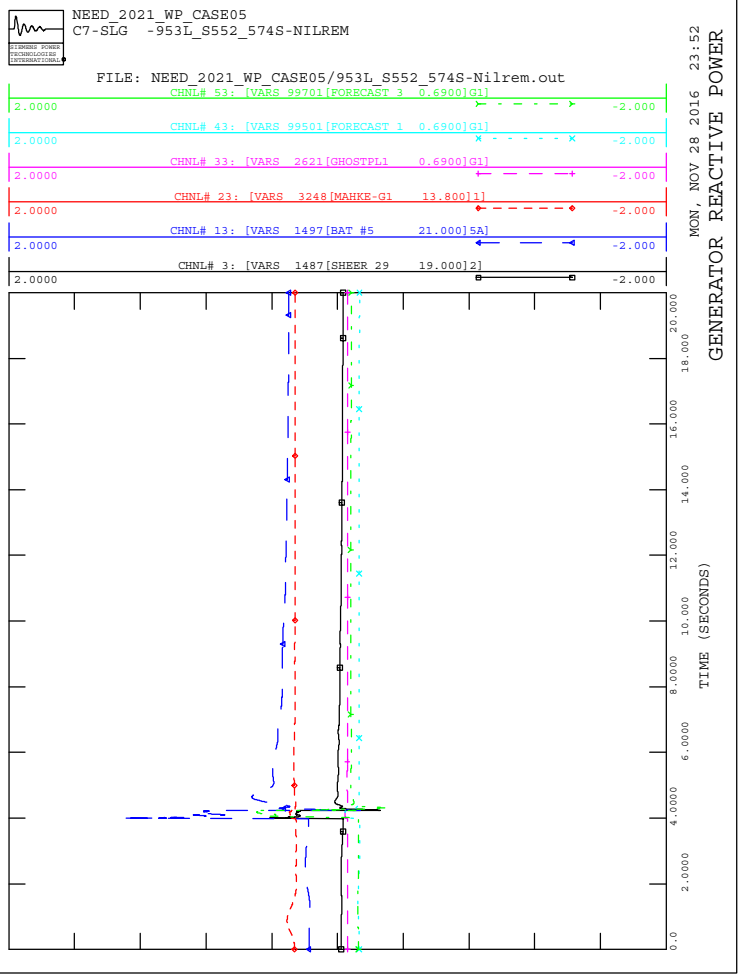
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C7-SLG -953L_S552_574S-NILREM
FILE: NEED_2021_WP_CASE05/953L_S552_574S-Nilrem.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:52
LINE POWER

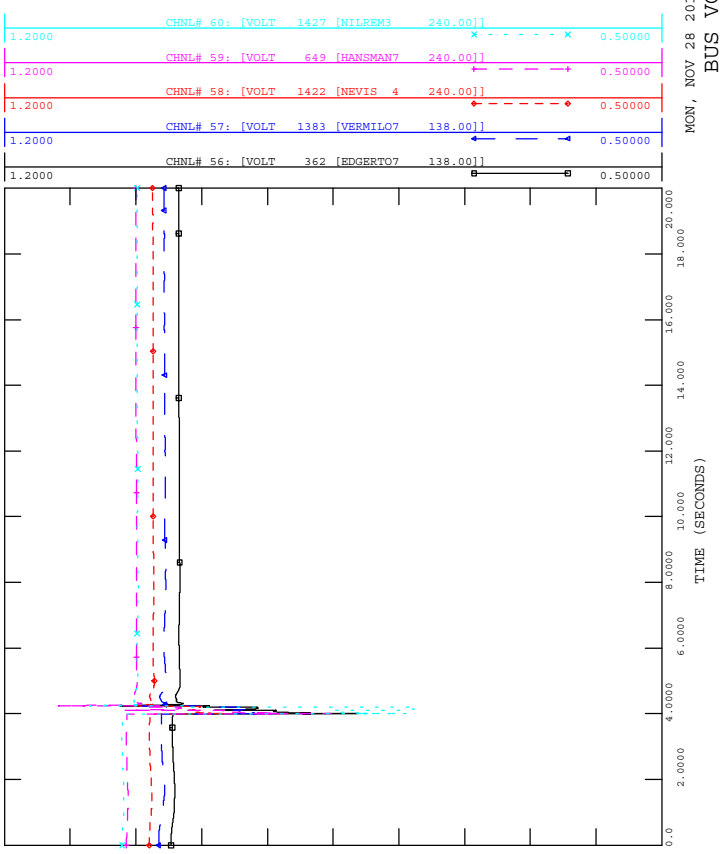

NEED_2021_WP_CASE05
C7-SLG -953L_S552_574S-NILREM
FILE: NEED_2021_WP_CASE05/953L_S552_574S-Nilrem.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -1047L_S552_574S-NILREM

FILE: NEED_2021_WP_CASE05/1047L_S552_574S-Nilrem.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

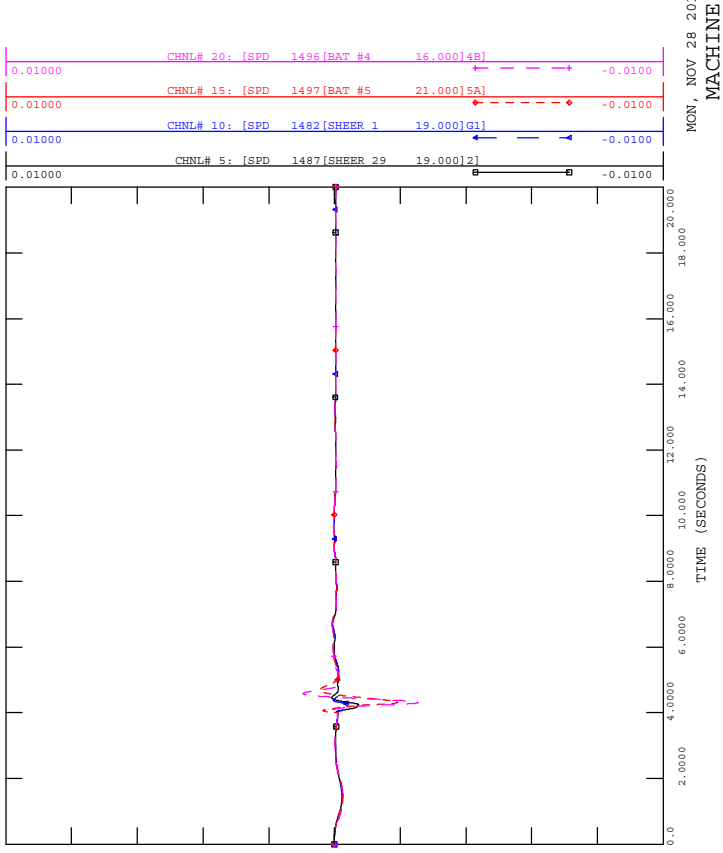


NEED_2021_WP_CASE05
C7-SLG -1047L_S552_574S-NILREM

FILE: NEED_2021_WP_CASE05/1047L_S552_574S-Nilrem.out

MON, NOV 28 2016 23:52

MACHINE SPEED

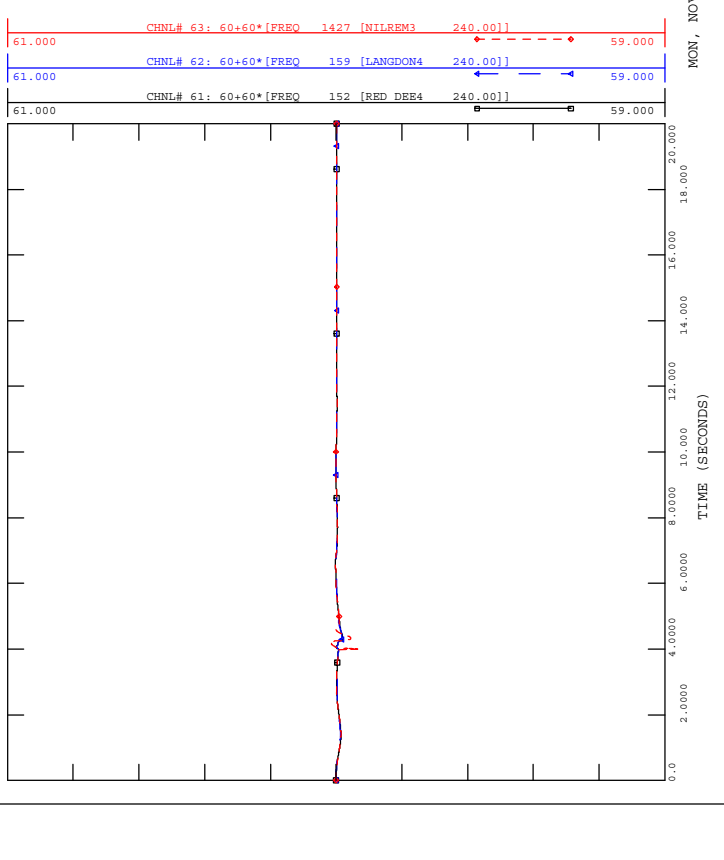


NEED_2021_WP_CASE05
C7-SLG -1047L_S552_574S-NILREM

FILE: NEED_2021_WP_CASE05/1047L_S552_574S-Nilrem.out

MON, NOV 28 2016 23:52

FREQUENCY

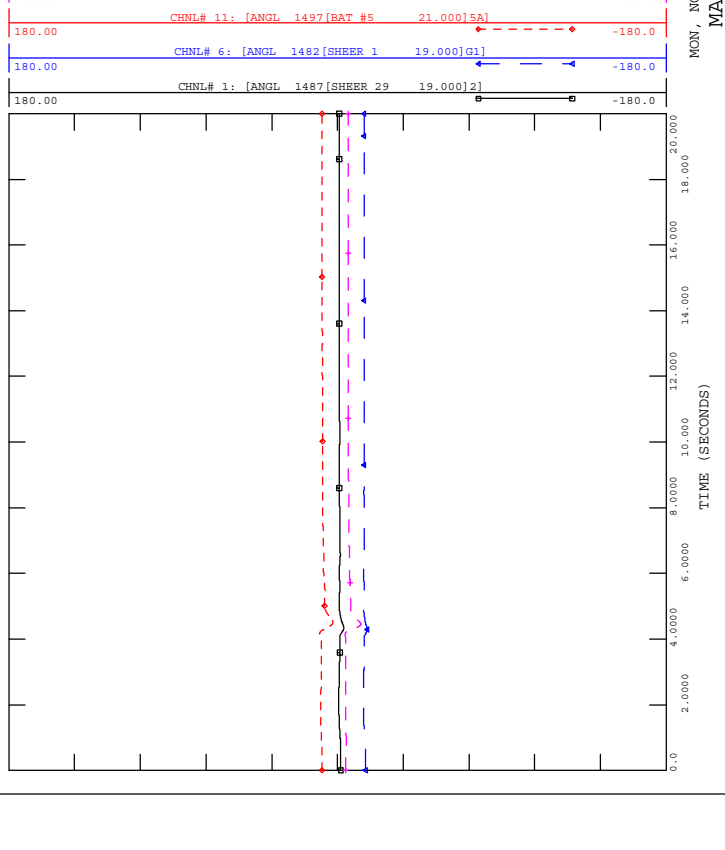


NEED_2021_WP_CASE05
C7-SLG -1047L_S552_574S-NILREM

FILE: NEED_2021_WP_CASE05/1047L_S552_574S-Nilrem.out

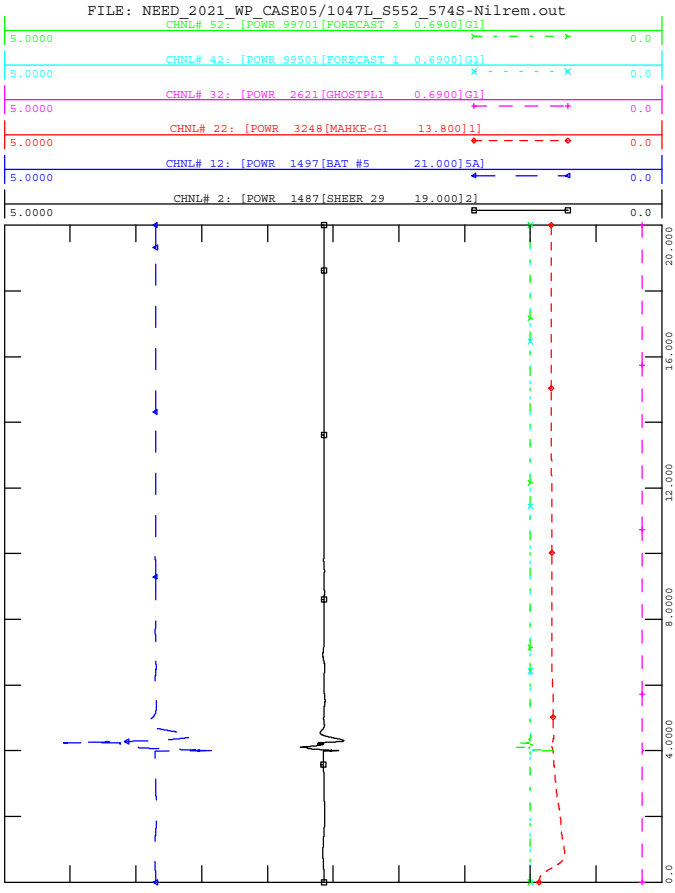
MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -1047L_S552_574S-NILREM

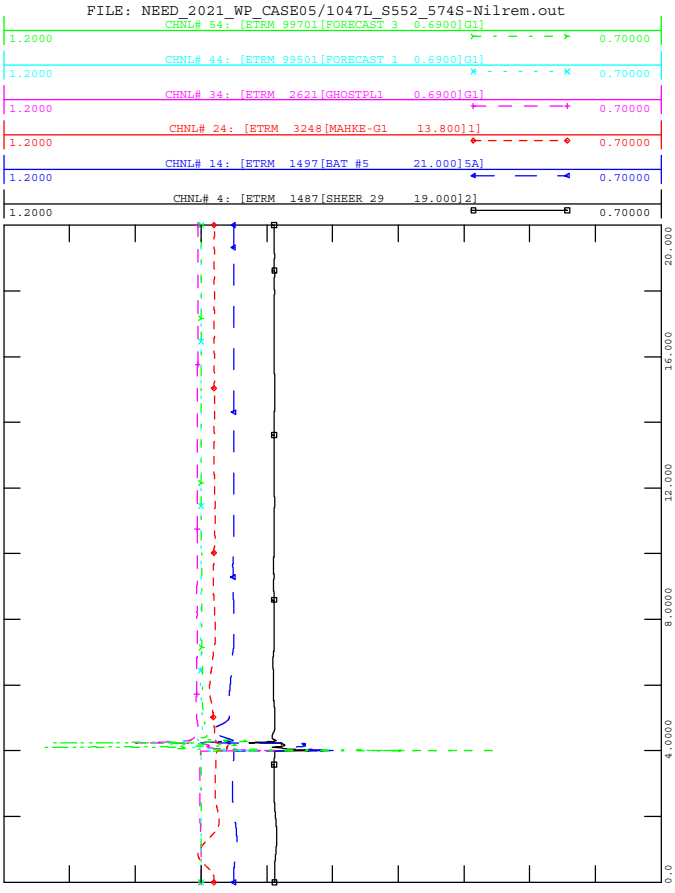
FILE: NEED_2021_WP_CASE05/1047L_S552_574S-Nilrem.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -1047L_S552_574S-NILREM

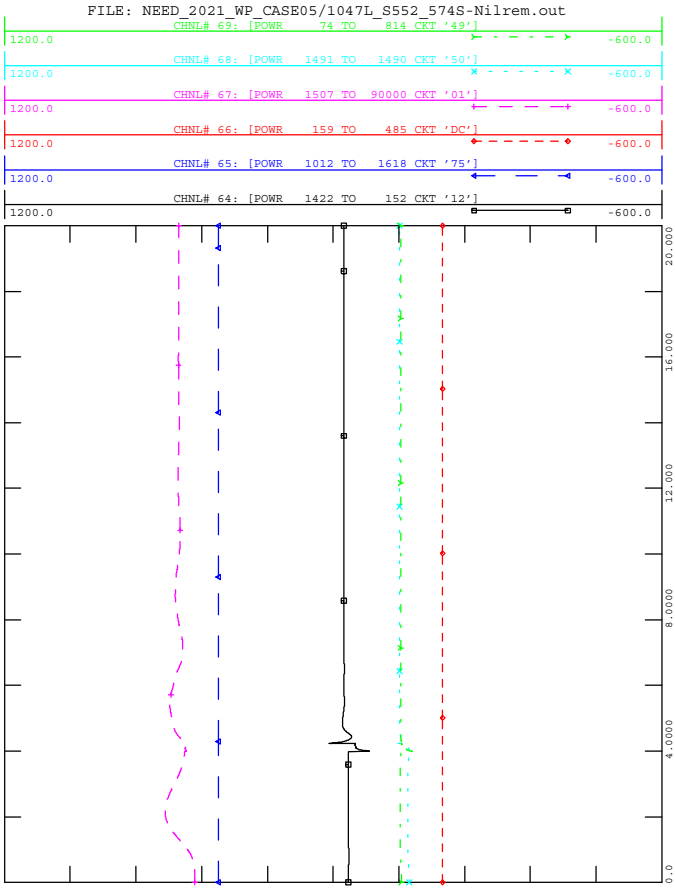
FILE: NEED_2021_WP_CASE05/1047L_S552_574S-Nilrem.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -1047L_S552_574S-NILREM

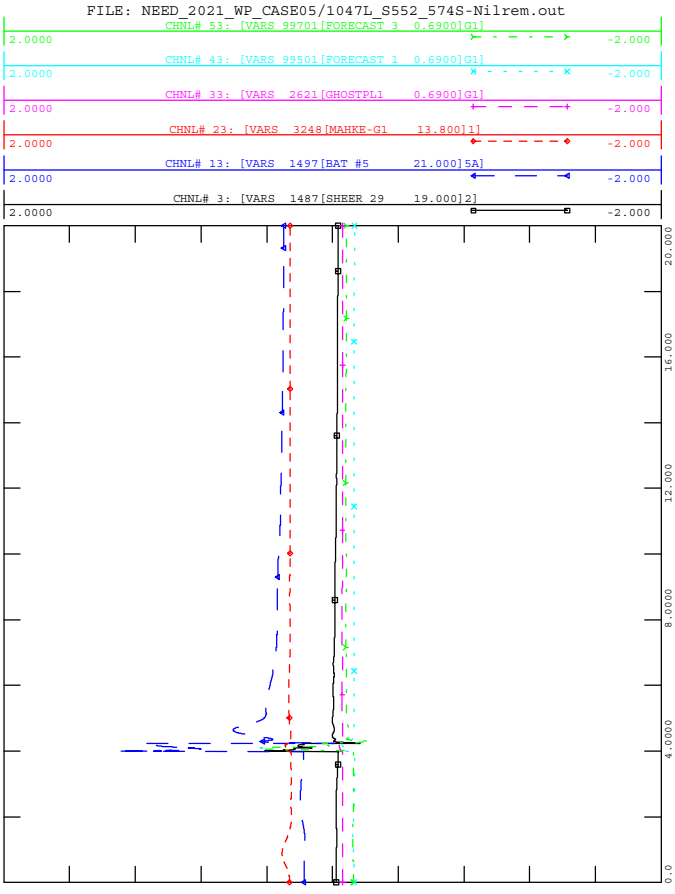
FILE: NEED_2021_WP_CASE05/1047L_S552_574S-Nilrem.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -1047L_S552_574S-NILREM

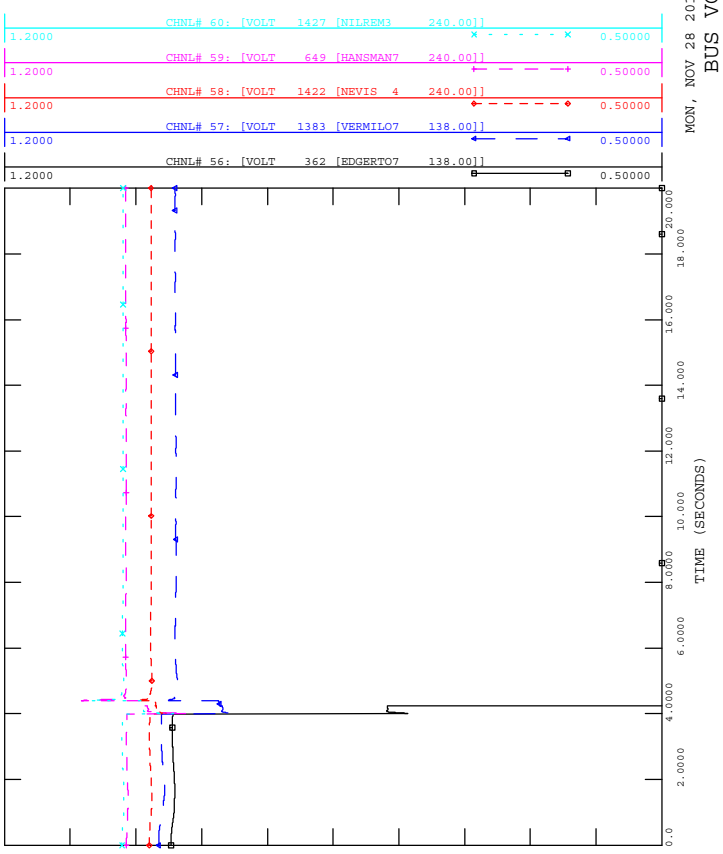
FILE: NEED_2021_WP_CASE05/1047L_S552_574S-Nilrem.out



MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -7L749_S749N_899S-EDGERTON

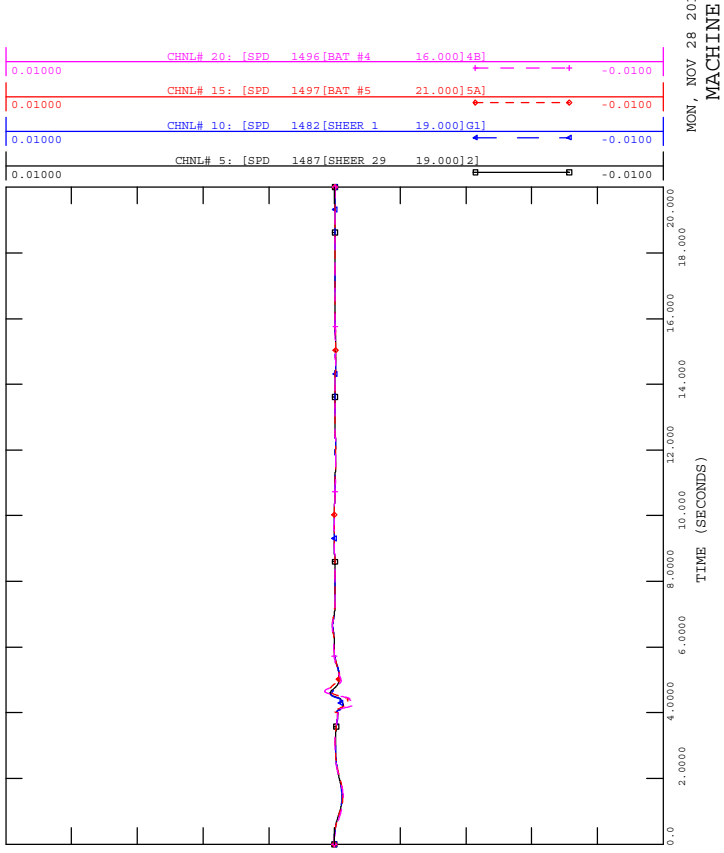
FILE: NEED_2021_WP_CASE05/7L749_S749N_899S-Edgerton.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -7L749_S749N_899S-EDGERTON

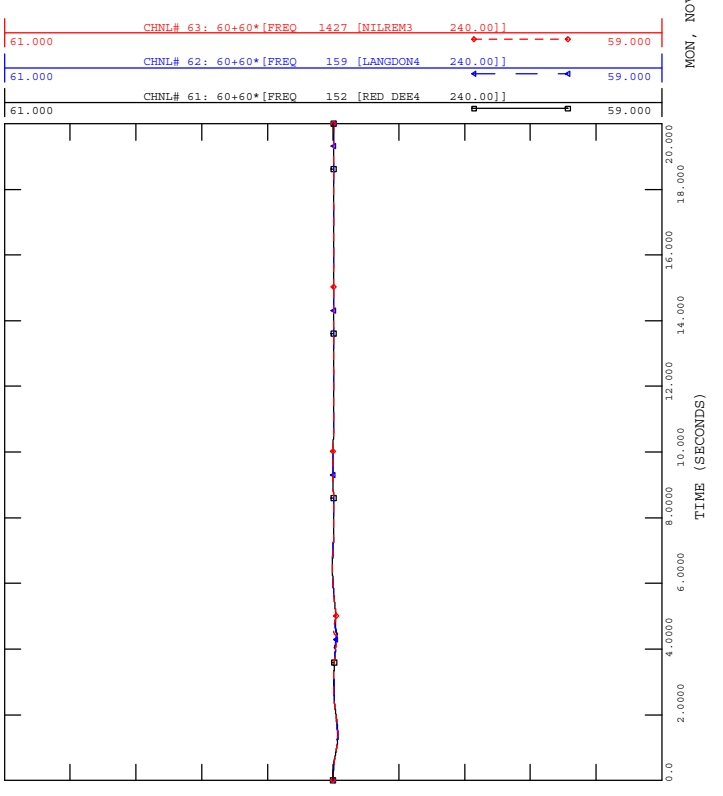
FILE: NEED_2021_WP_CASE05/7L749_S749N_899S-Edgerton.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -7L749_S749N_899S-EDGERTON

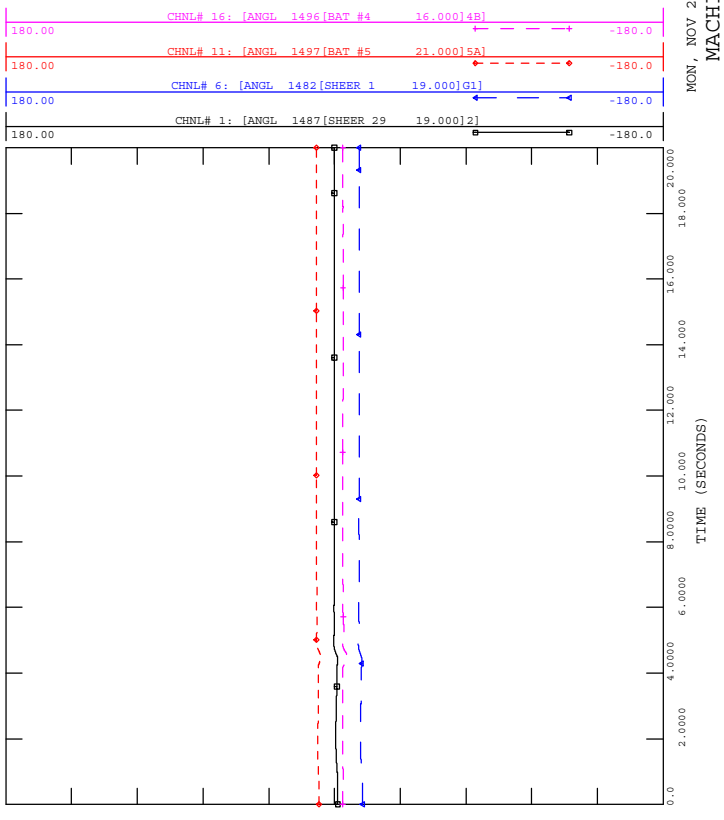
FILE: NEED_2021_WP_CASE05/7L749_S749N_899S-Edgerton.out



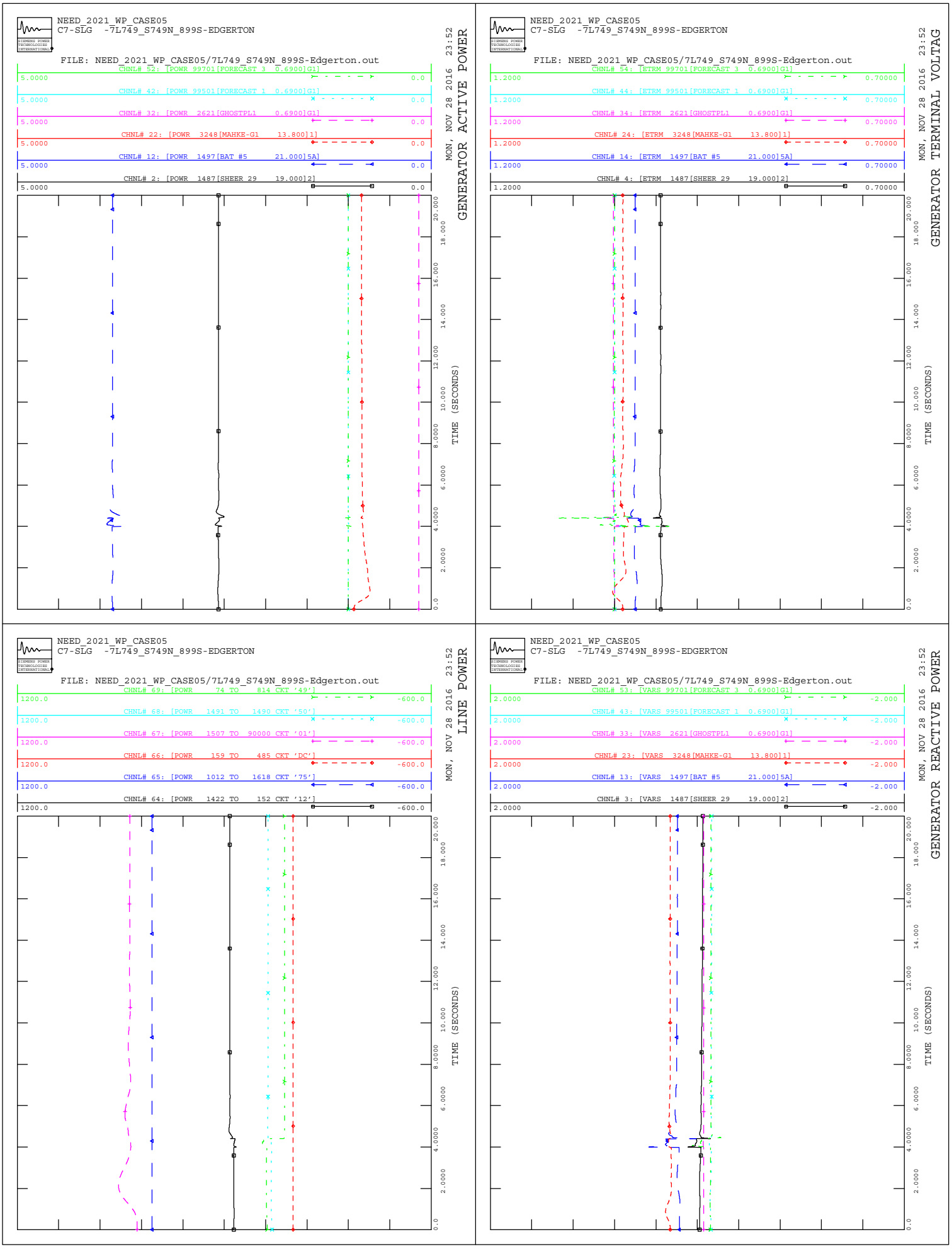
MON, NOV 28 2016 23:52
FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: NEED_2021_WP_CASE05/7L749_S749N_899S-Edgerton.out



MON, NOV 28 2016 23:52
MACHINE ANGEL


NEED_2021_WP_CASE05
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: NEED_2021_WP_CASE05/7L749_S749N_899S-Edgerton.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 28 2016 23:52
TIME (SECONDS)
NEED_2021_WP_CASE05
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: NEED_2021_WP_CASE05/7L749_S749N_899S-Edgerton.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 28 2016 23:52
TIME (SECONDS)
NEED_2021_WP_CASE05
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: NEED_2021_WP_CASE05/7L749_S749N_899S-Edgerton.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 28 2016 23:52
TIME (SECONDS)
NEED_2021_WP_CASE05
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: NEED_2021_WP_CASE05/7L749_S749N_899S-Edgerton.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 28 2016 23:52
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -749L_S749X_899S-EDGERTON

FILE: NEED_2021_WP_CASE05/749L_S749X_899S-Edgerton.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]

1.2000 0.50000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -749L_S749X_899S-EDGERTON

FILE: NEED_2021_WP_CASE05/749L_S749X_899S-Edgerton.out

MON, NOV 28 2016 23:52

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -749L_S749X_899S-EDGERTON

FILE: NEED_2021_WP_CASE05/749L_S749X_899S-Edgerton.out

MON, NOV 28 2016 23:52

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -749L_S749X_899S-EDGERTON

FILE: NEED_2021_WP_CASE05/749L_S749X_899S-Edgerton.out

MON, NOV 28 2016 23:52

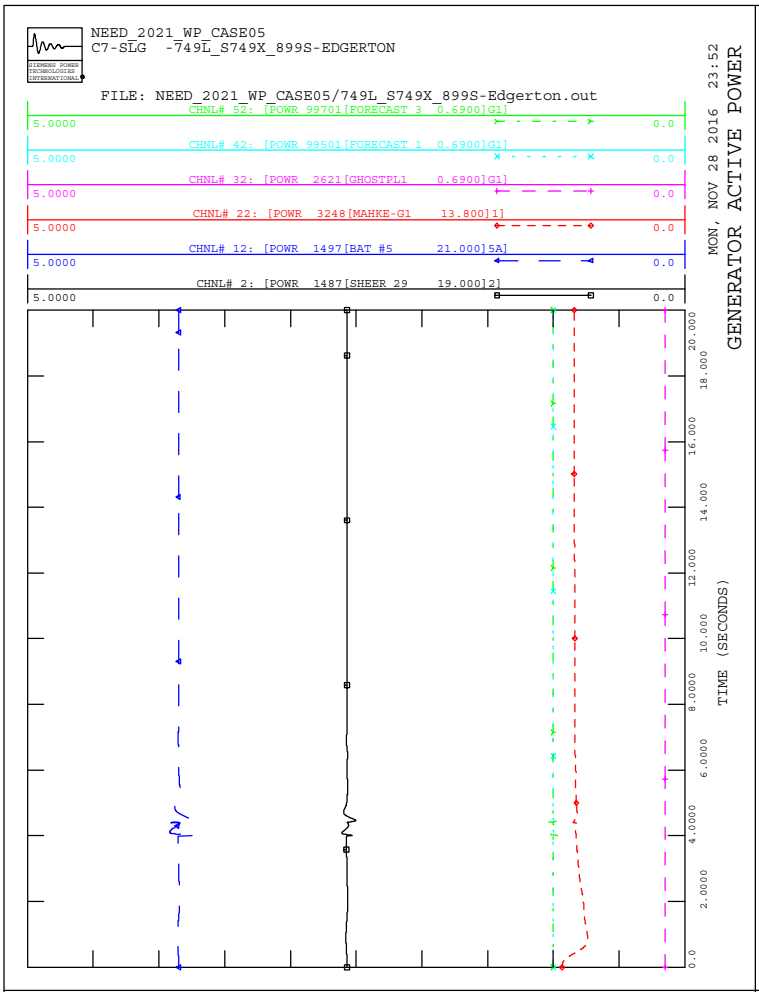
MACHINE ANGEL

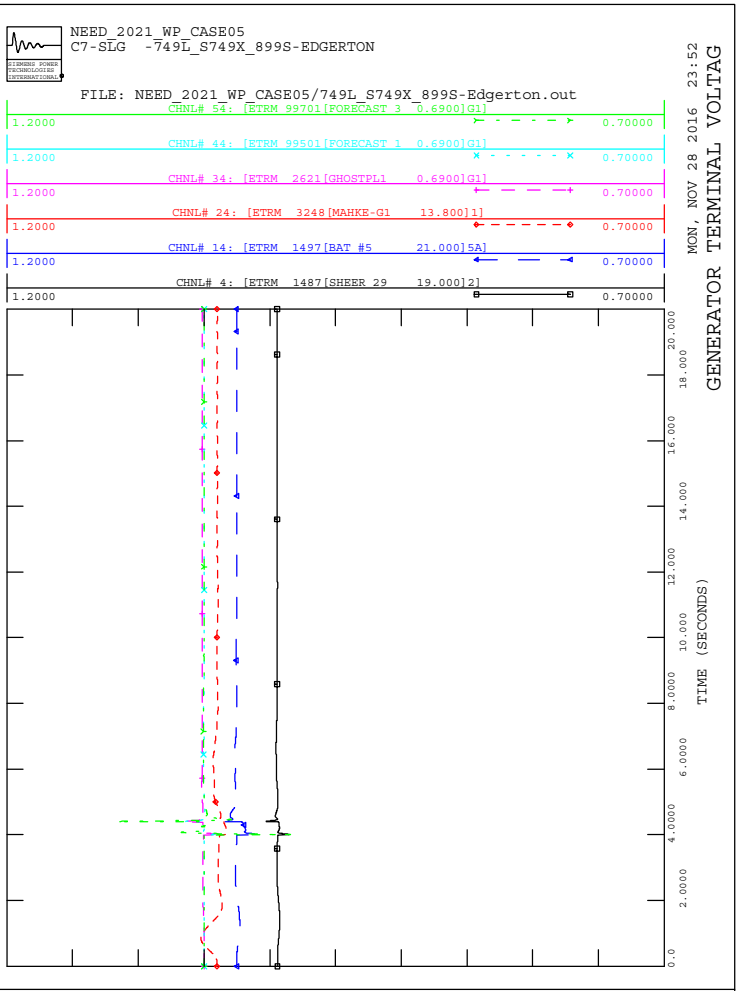
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

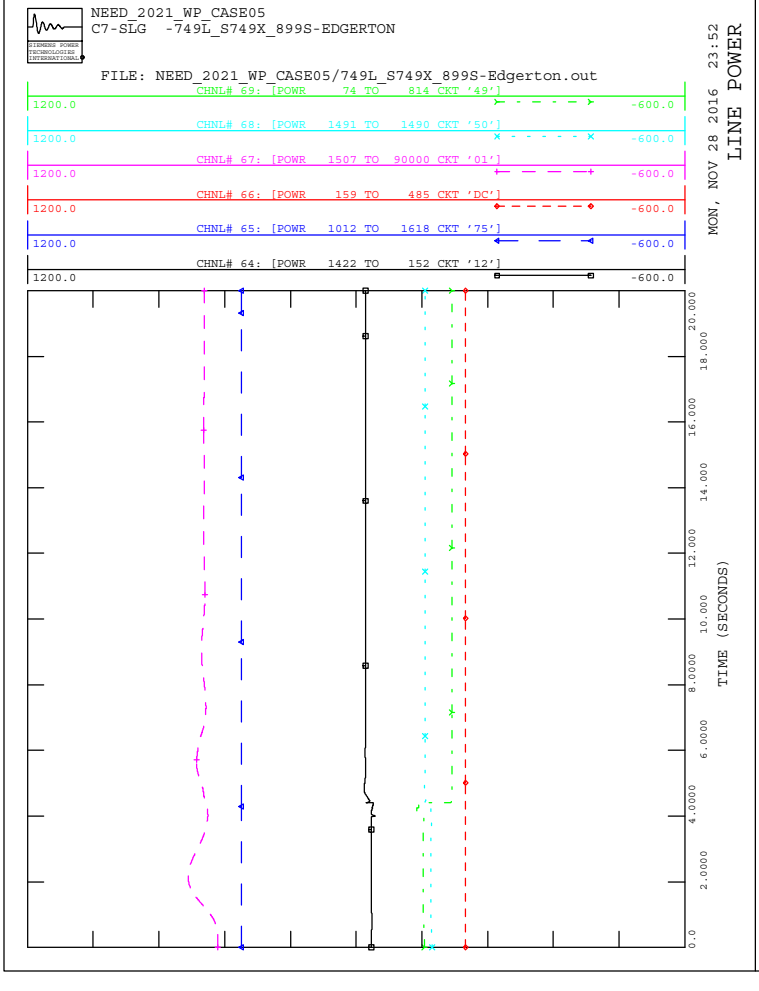
180.00 -180.0

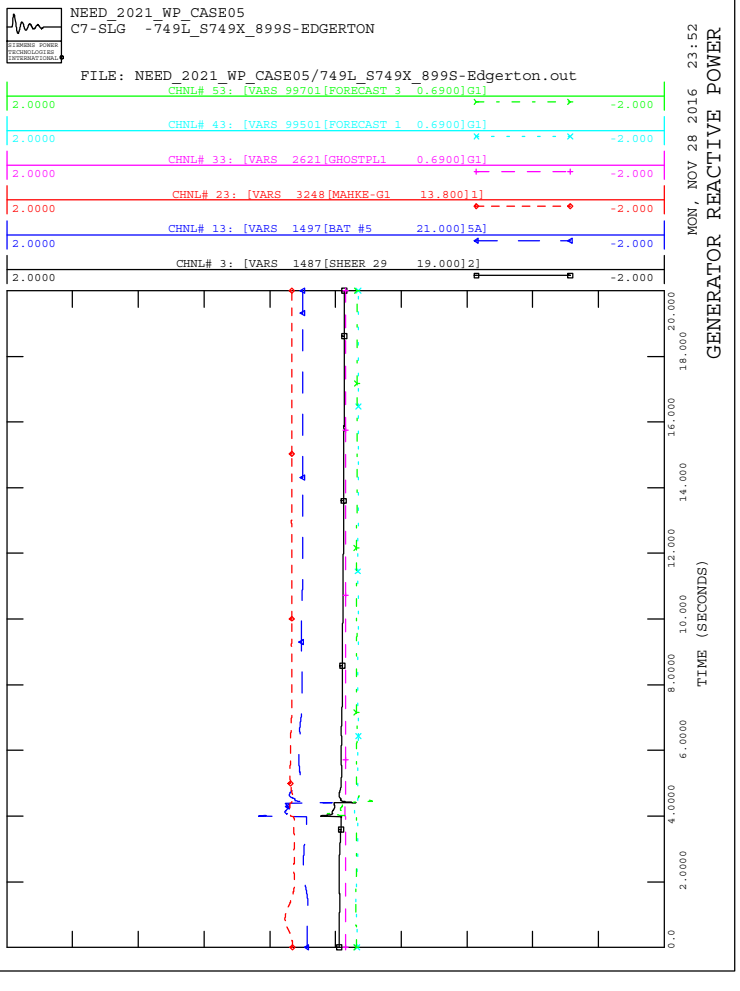
TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


NEED_2021_WP_CASE05
C7-SLG -749L_S749X_899S-EDGERTON
FILE: NEED_2021_WP_CASE05/749L_S749X_899S-Edgerton.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

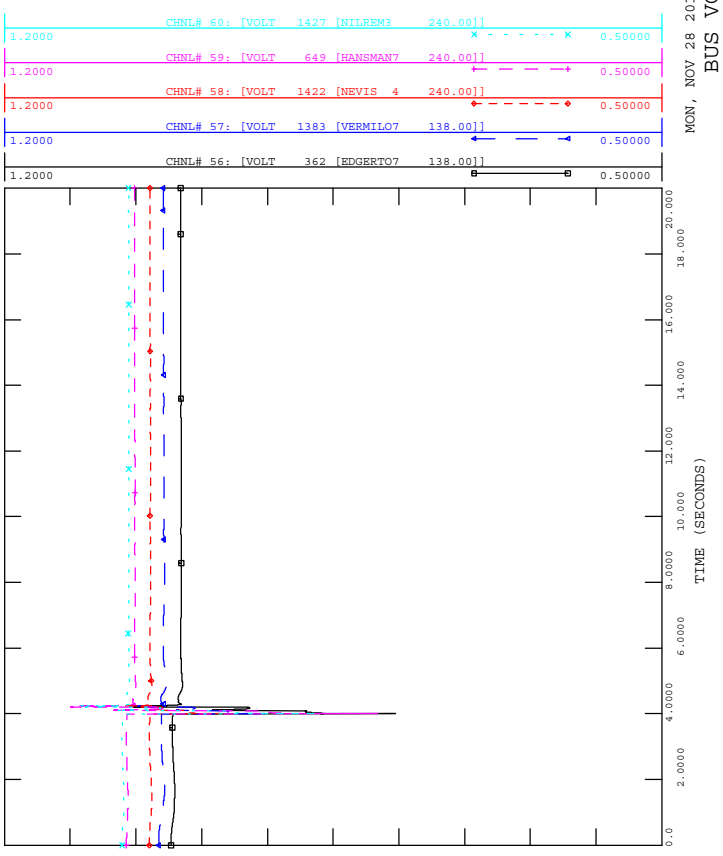

NEED_2021_WP_CASE05
C7-SLG -749L_S749X_899S-EDGERTON
FILE: NEED_2021_WP_CASE05/749L_S749X_899S-Edgerton.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C7-SLG -749L_S749X_899S-EDGERTON
FILE: NEED_2021_WP_CASE05/749L_S749X_899S-Edgerton.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:52
LINE POWER


NEED_2021_WP_CASE05
C7-SLG -749L_S749X_899S-EDGERTON
FILE: NEED_2021_WP_CASE05/749L_S749X_899S-Edgerton.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L966_S905_932S-PEMUKAN

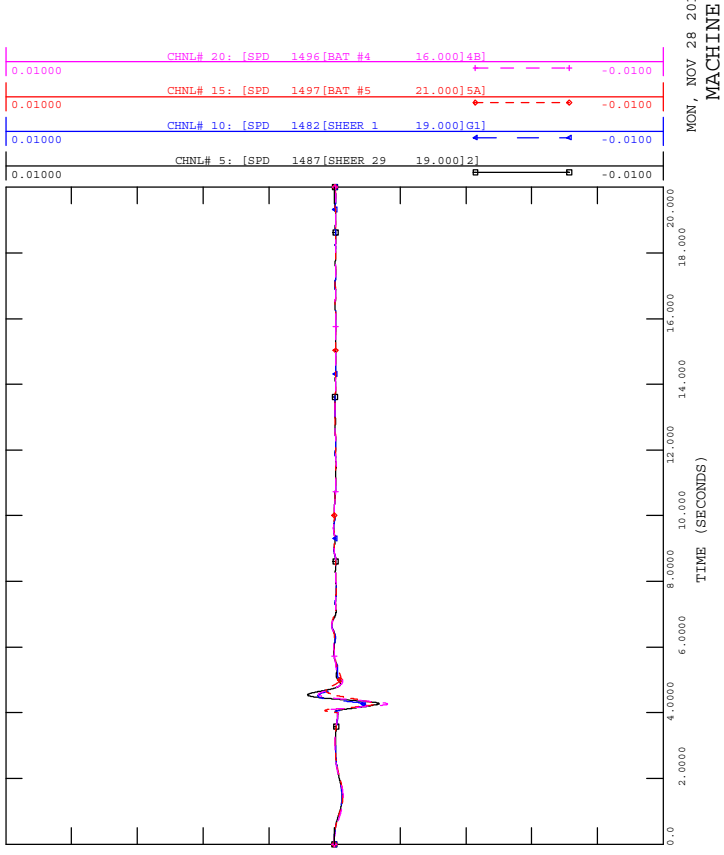
FILE: NEED_2021_WP_CASE05/9L966_S905_932S-Pemukan.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -9L966_S905_932S-PEMUKAN

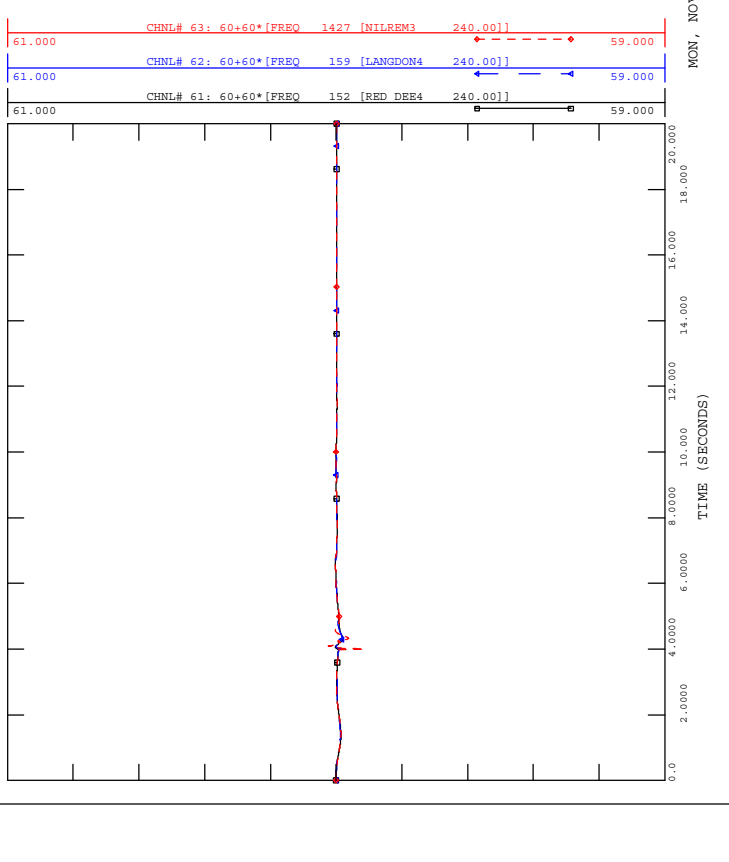
FILE: NEED_2021_WP_CASE05/9L966_S905_932S-Pemukan.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -9L966_S905_932S-PEMUKAN

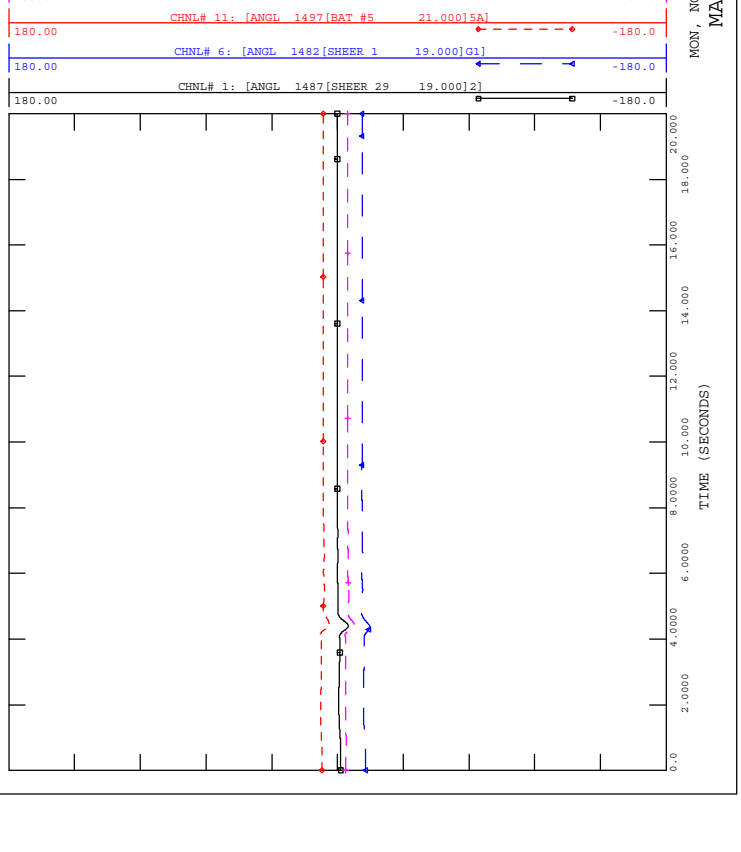
FILE: NEED_2021_WP_CASE05/9L966_S905_932S-Pemukan.out



MON, NOV 28 2016 23:52
FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -9L966_S905_932S-PEMUKAN

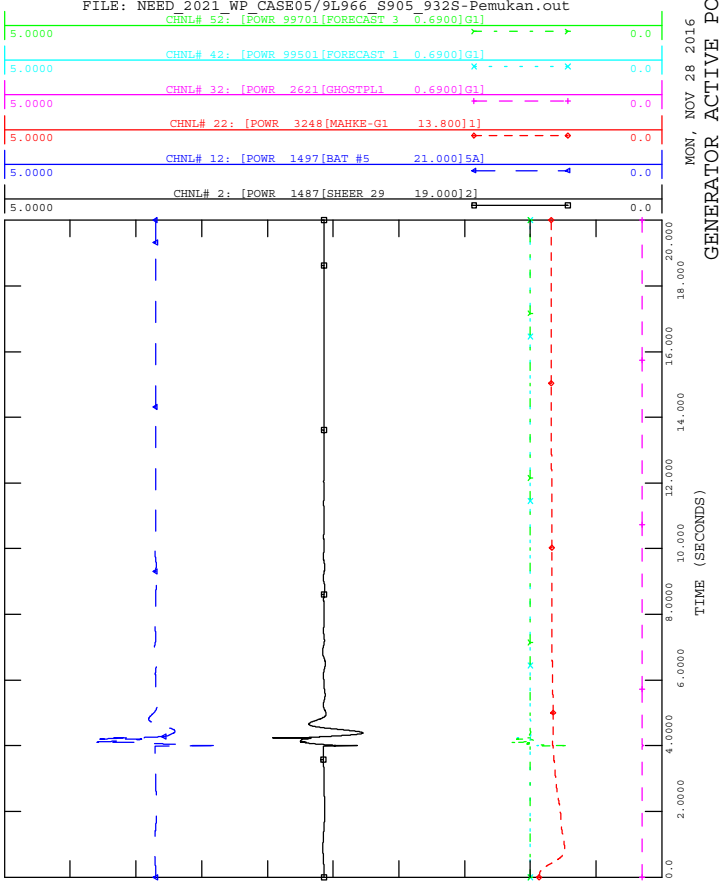
FILE: NEED_2021_WP_CASE05/9L966_S905_932S-Pemukan.out



MON, NOV 28 2016 23:52
MACHINE ANGEL

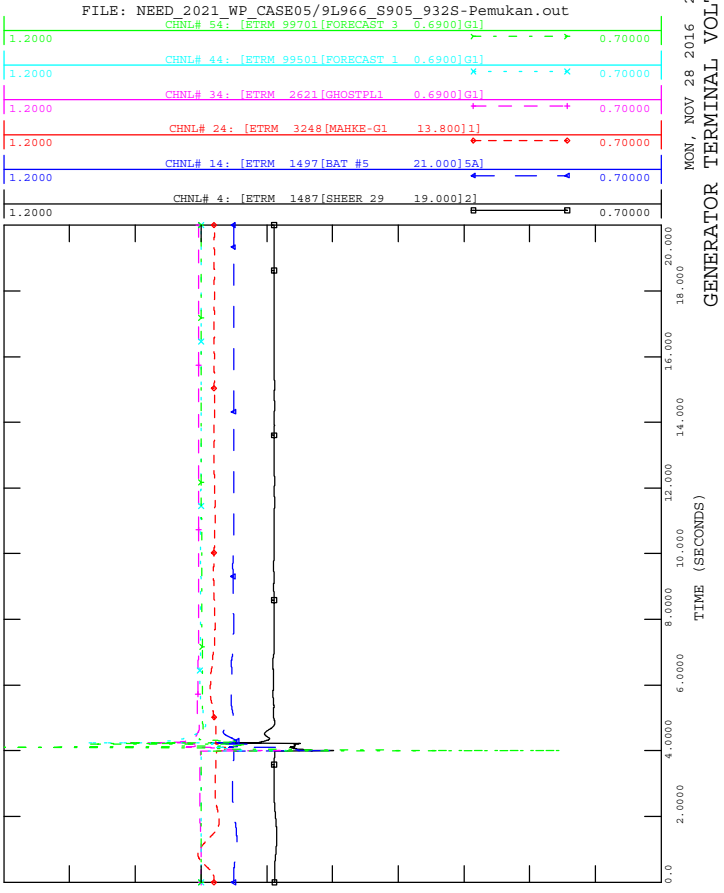
NEED_2021_WP_CASE05
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: NEED_2021_WP_CASE05/9L966_S905_932S-Pemukan.out



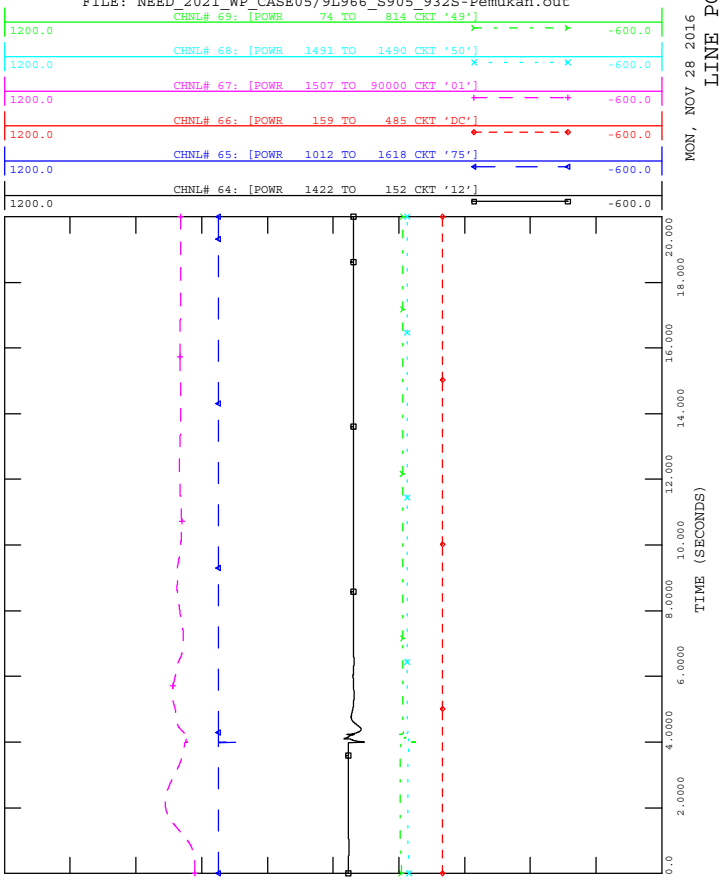
NEED_2021_WP_CASE05
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: NEED_2021_WP_CASE05/9L966_S905_932S-Pemukan.out



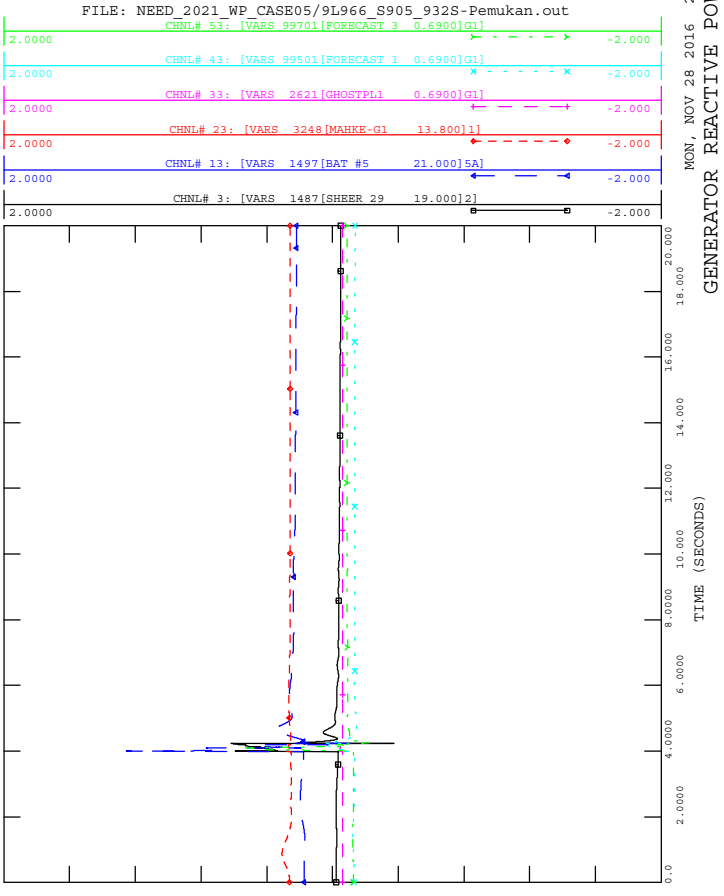
NEED_2021_WP_CASE05
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: NEED_2021_WP_CASE05/9L966_S905_932S-Pemukan.out



NEED_2021_WP_CASE05
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: NEED_2021_WP_CASE05/9L966_S905_932S-Pemukan.out

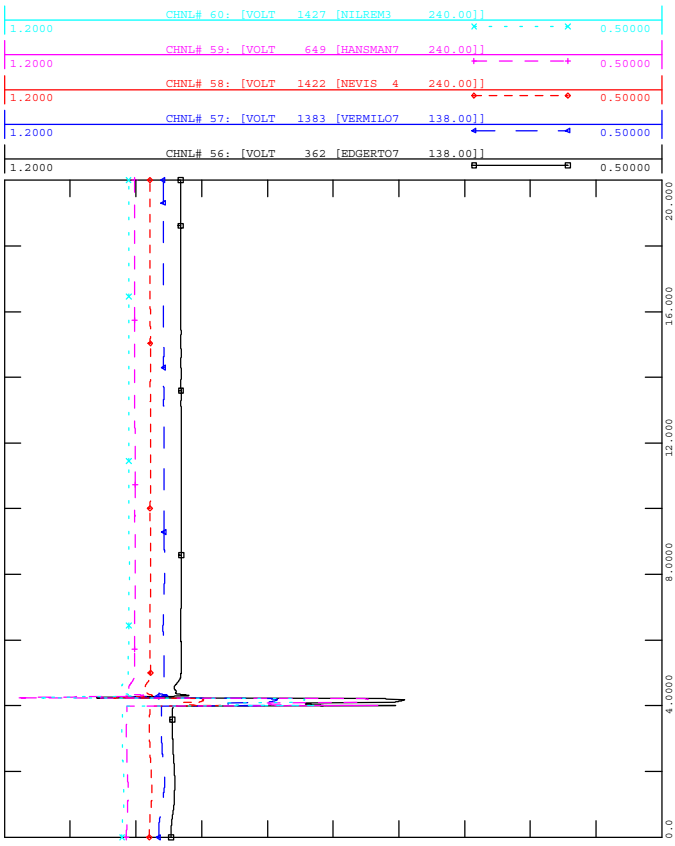


NEED_2021_WP_CASE05
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: NEED_2021_WP_CASE05/9L46_S905_932S-Pemukan.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

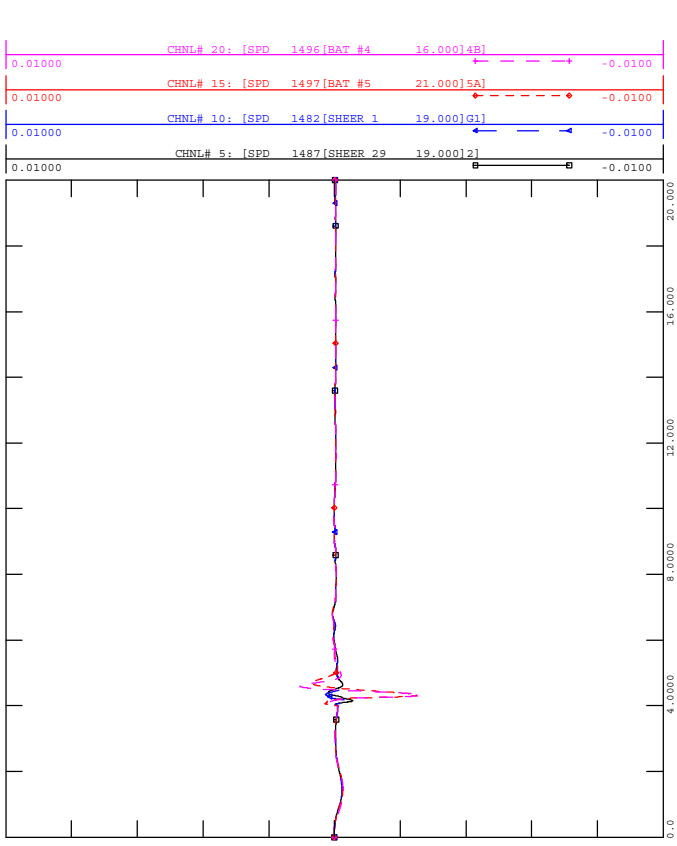


NEED_2021_WP_CASE05
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: NEED_2021_WP_CASE05/9L46_S905_932S-Pemukan.out

MON, NOV 28 2016 23:52

MACHINE SPEED

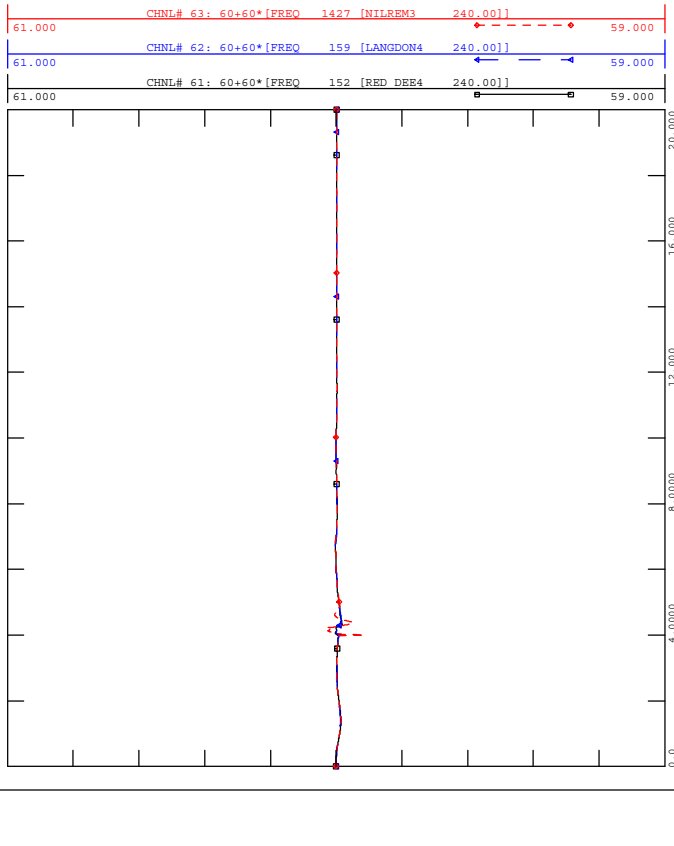


NEED_2021_WP_CASE05
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: NEED_2021_WP_CASE05/9L46_S905_932S-Pemukan.out

MON, NOV 28 2016 23:52

FREQUENCY

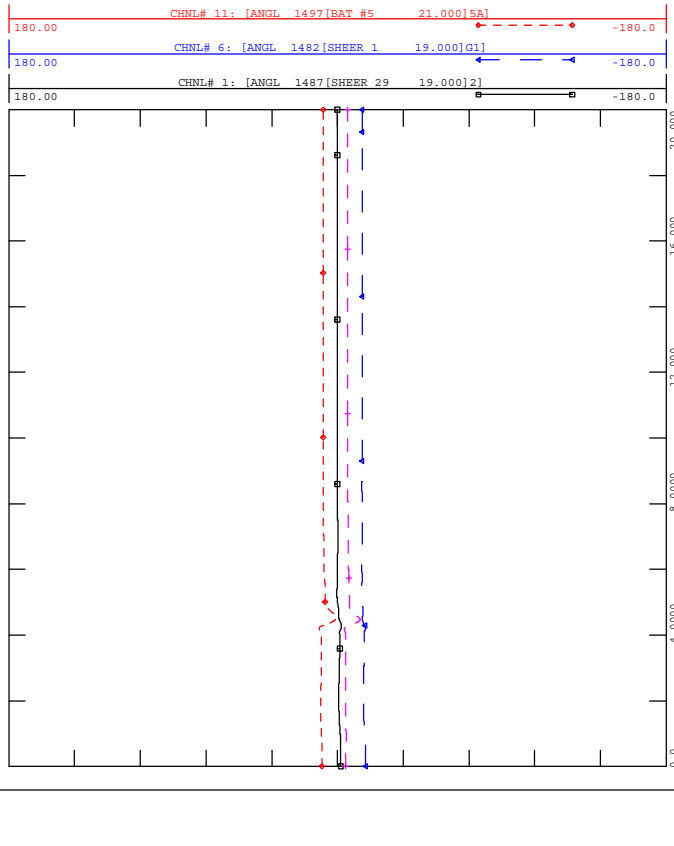


NEED_2021_WP_CASE05
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: NEED_2021_WP_CASE05/9L46_S905_932S-Pemukan.out

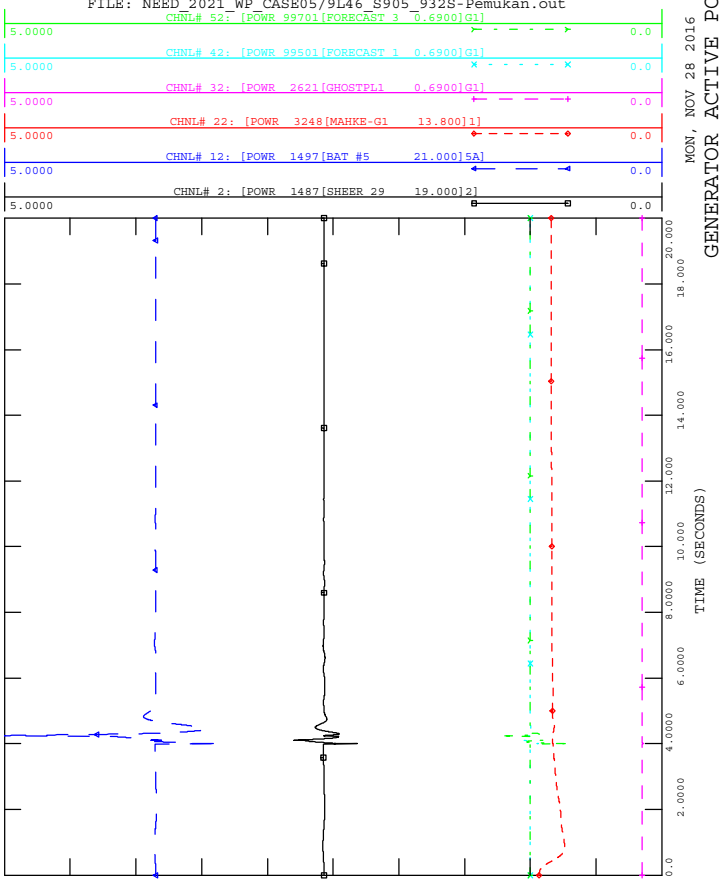
MON, NOV 28 2016 23:52

MACHINE ANGEL



NEED_2021_WP_CASE05
C7-SLG -9L46_S905_932S-PEMUKAN

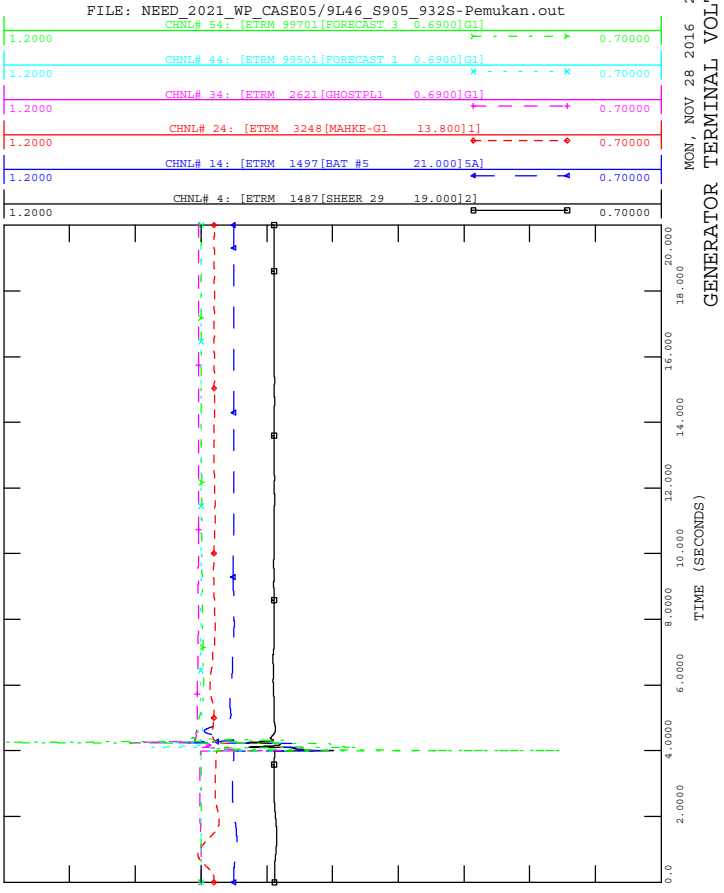
FILE: NEED_2021_WP_CASE05/9L46_S905_932S-Pemukan.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L46_S905_932S-PEMUKAN

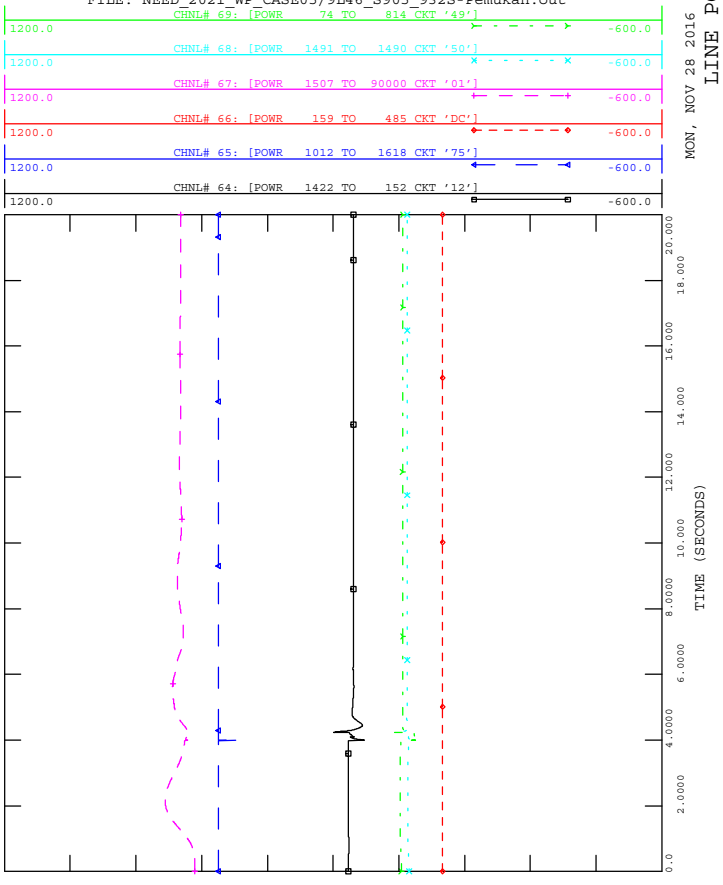
FILE: NEED_2021_WP_CASE05/9L46_S905_932S-Pemukan.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -9L46_S905_932S-PEMUKAN

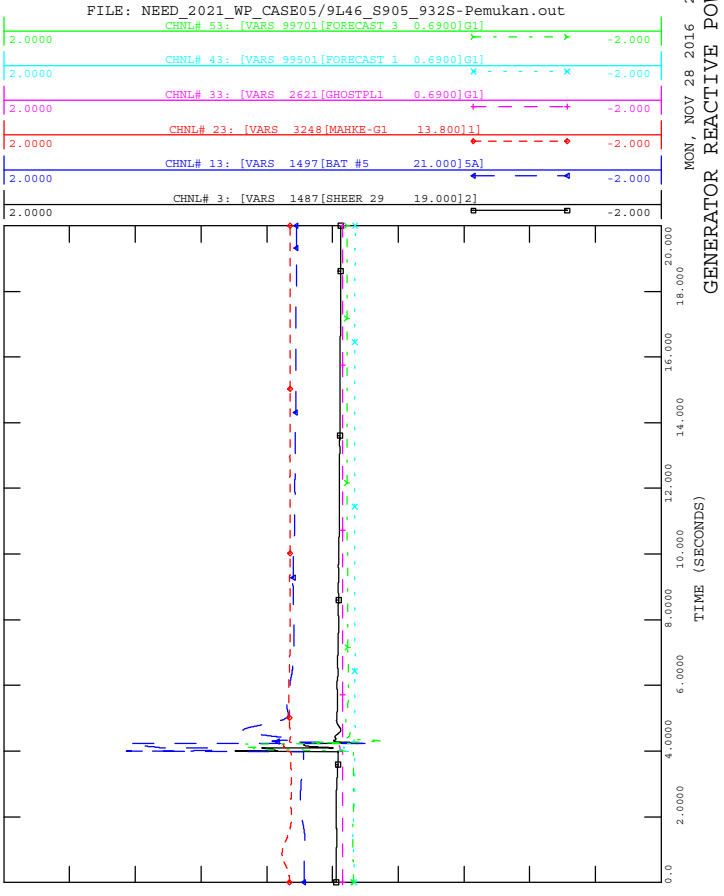
FILE: NEED_2021_WP_CASE05/9L46_S905_932S-Pemukan.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: NEED_2021_WP_CASE05/9L46_S905_932S-Pemukan.out



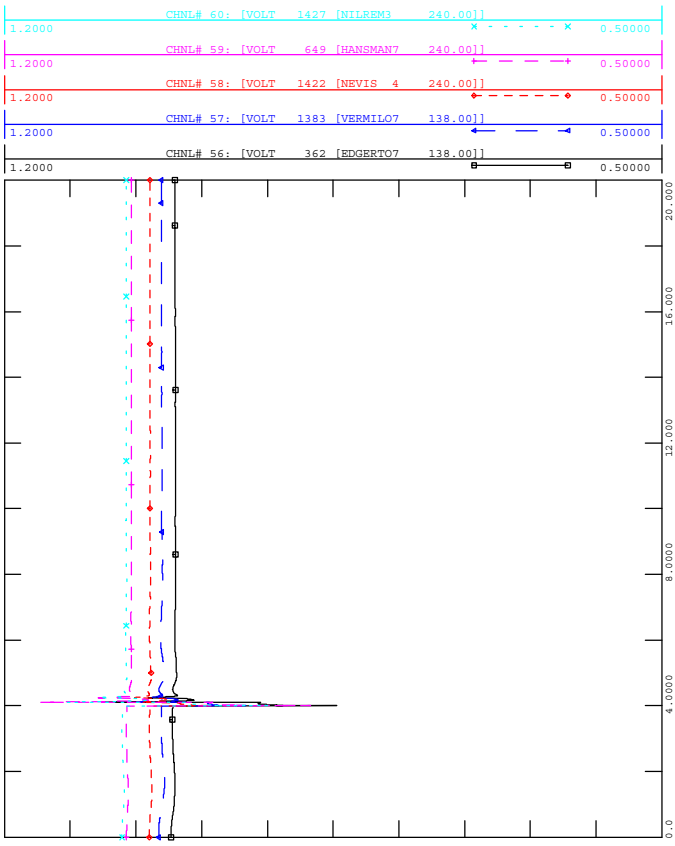
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L46_S905_959S-LANFINE

FILE: NEED_2021_WP_CASE05/9L46_S905_959S-Lanfine.out

TUE, DEC 06 2016 13:28

BUS VOLTAGE

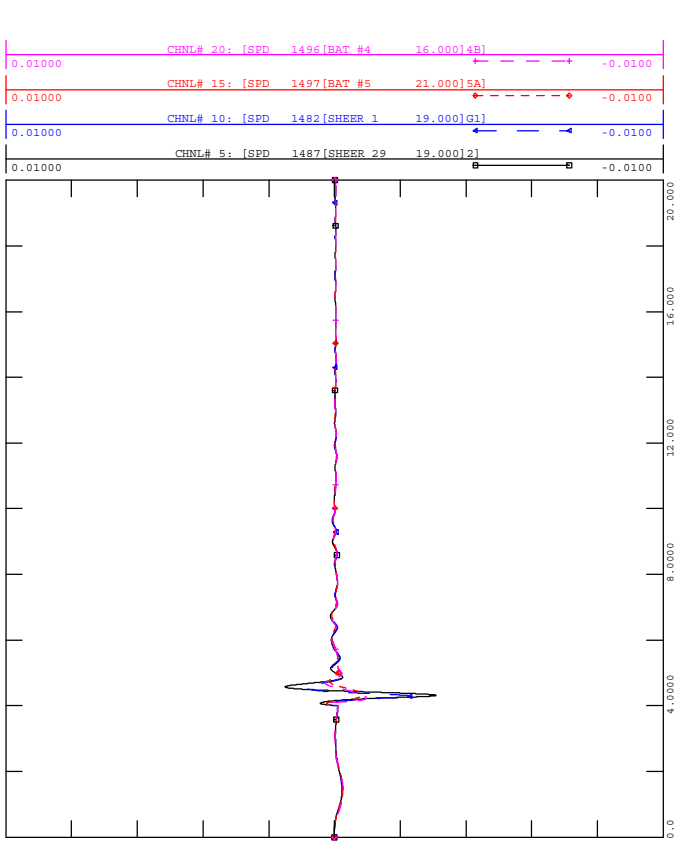


NEED_2021_WP_CASE05
C7-SLG -9L46_S905_959S-LANFINE

FILE: NEED_2021_WP_CASE05/9L46_S905_959S-Lanfine.out

TUE, DEC 06 2016 13:28

MACHINE SPEED

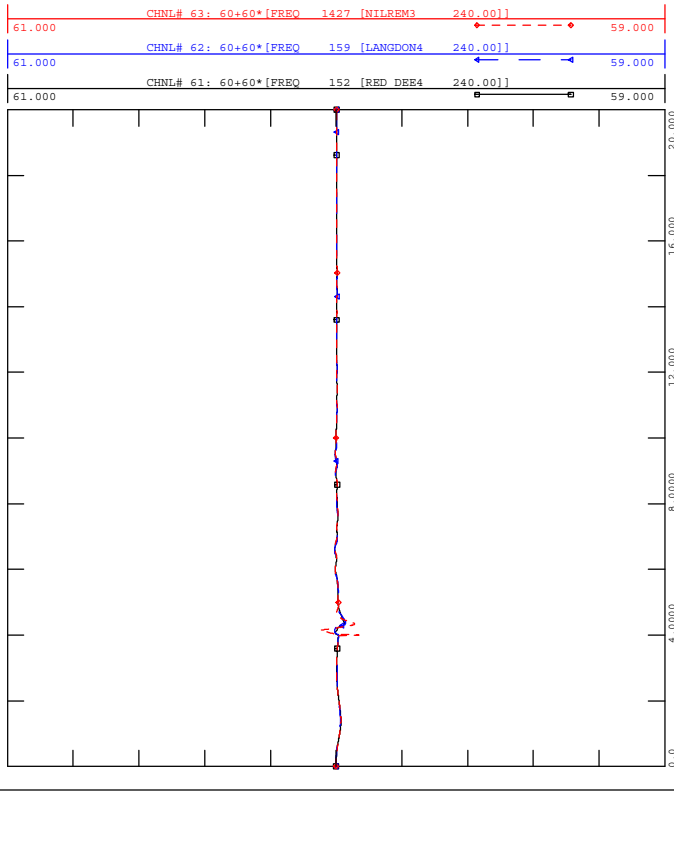


NEED_2021_WP_CASE05
C7-SLG -9L46_S905_959S-LANFINE

FILE: NEED_2021_WP_CASE05/9L46_S905_959S-Lanfine.out

TUE, DEC 06 2016 13:28

FREQUENCY

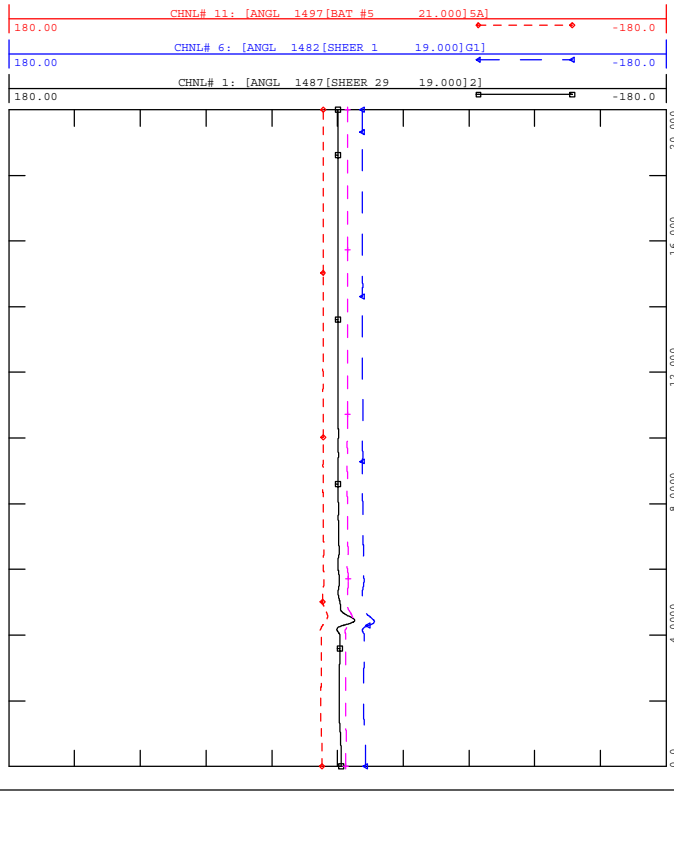


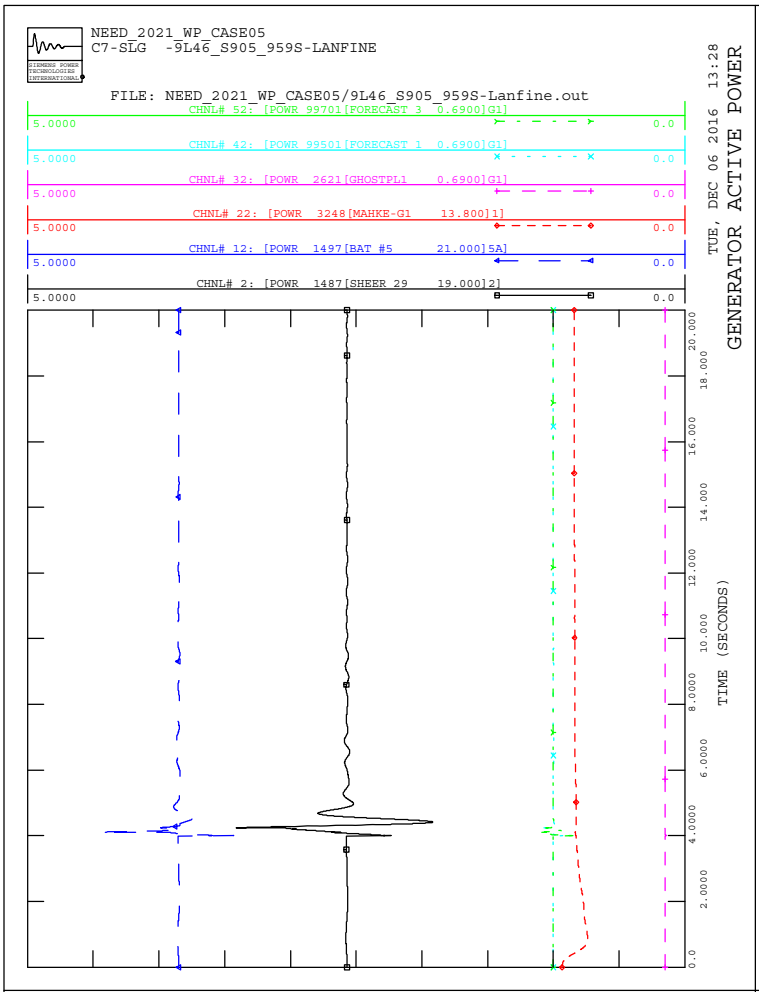
NEED_2021_WP_CASE05
C7-SLG -9L46_S905_959S-LANFINE

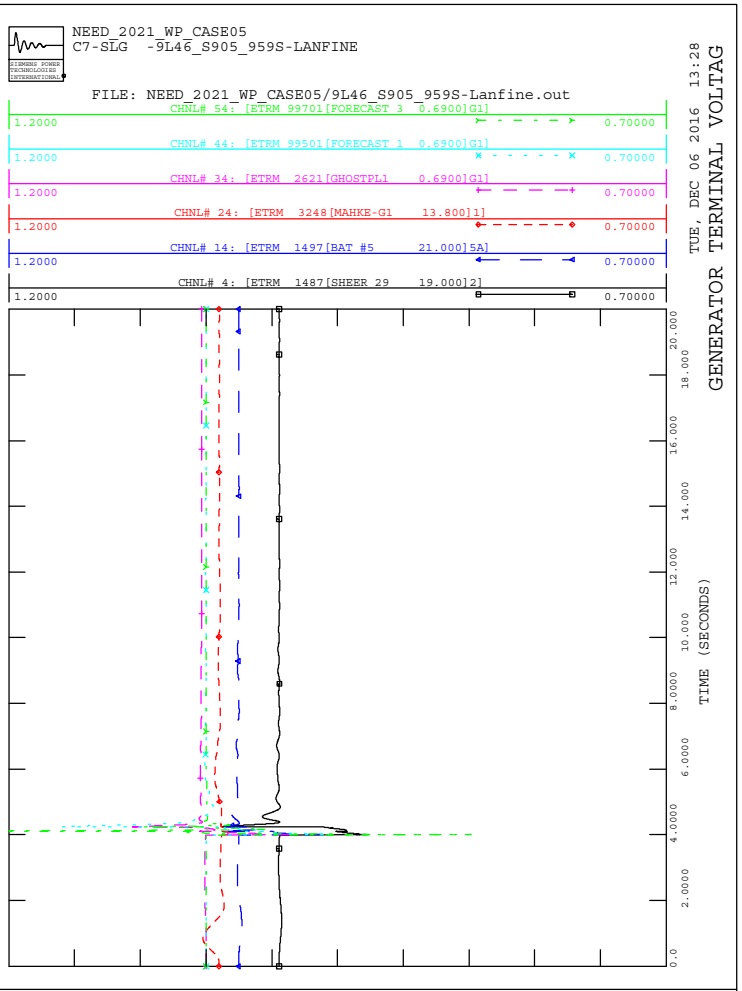
FILE: NEED_2021_WP_CASE05/9L46_S905_959S-Lanfine.out

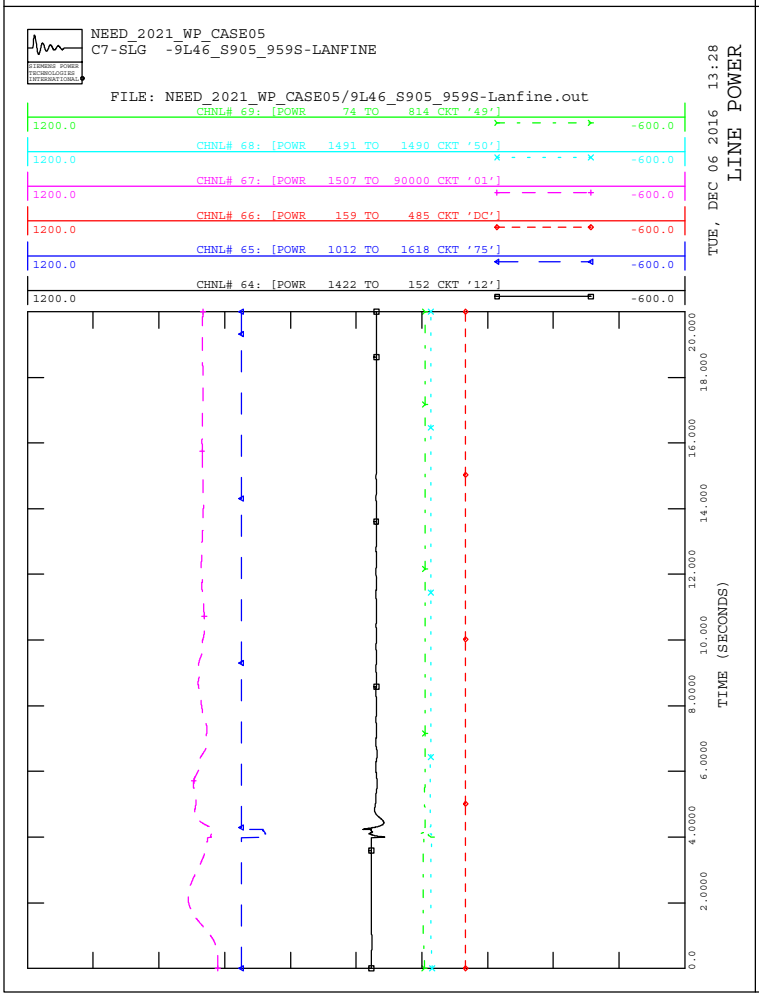
TUE, DEC 06 2016 13:28

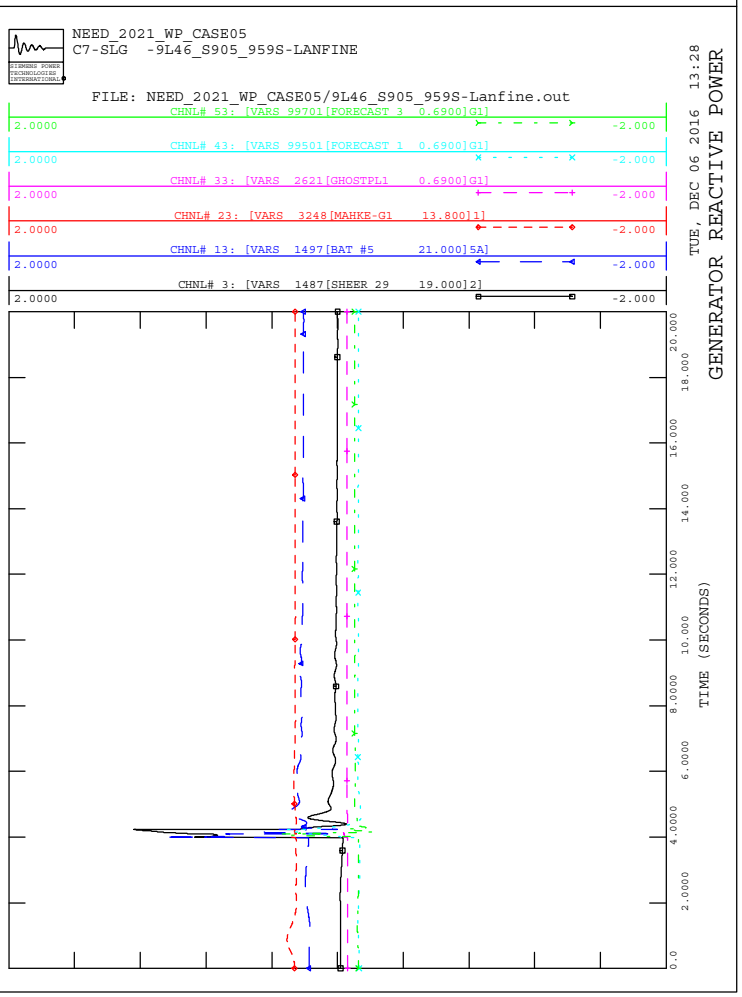
MACHINE ANGEL




NEED_2021_WP_CASE05
C7-SLG -9L46_S905_959S-LANFINE
FILE: NEED_2021_WP_CASE05/9L46_S905_959S-Lanfine.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 13:28
GENERATOR ACTIVE POWER
TIME (SECONDS)


NEED_2021_WP_CASE05
C7-SLG -9L46_S905_959S-LANFINE
FILE: NEED_2021_WP_CASE05/9L46_S905_959S-Lanfine.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 13:28
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


NEED_2021_WP_CASE05
C7-SLG -9L46_S905_959S-LANFINE
FILE: NEED_2021_WP_CASE05/9L46_S905_959S-Lanfine.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 13:28
LINE POWER
TIME (SECONDS)

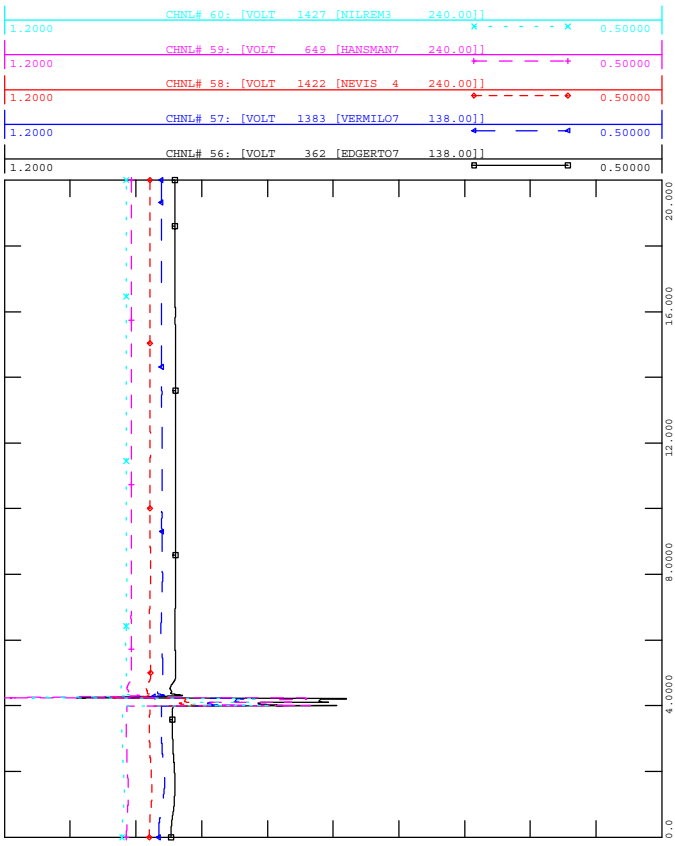

NEED_2021_WP_CASE05
C7-SLG -9L46_S905_959S-LANFINE
FILE: NEED_2021_WP_CASE05/9L46_S905_959S-Lanfine.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 13:28
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -9L24_S905_959S-LANFINE

FILE: NEED_2021_WP_CASE05/9L24_S905_959S-Lanfine.out

TUE, DEC 06 2016 13:28

BUS VOLTAGE

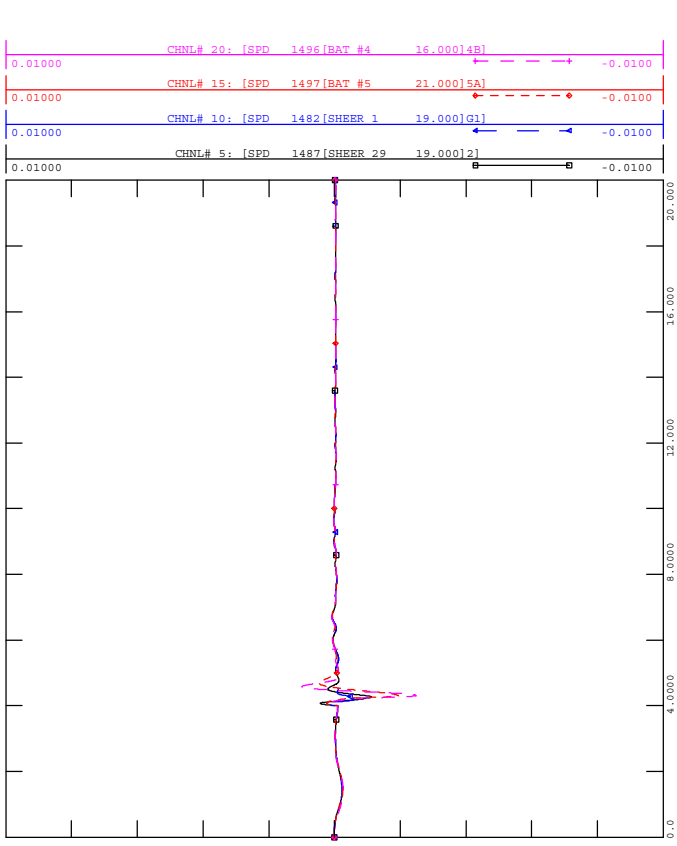


NEED_2021_WP_CASE05
C7-SLG -9L24_S905_959S-LANFINE

FILE: NEED_2021_WP_CASE05/9L24_S905_959S-Lanfine.out

TUE, DEC 06 2016 13:28

MACHINE SPEED

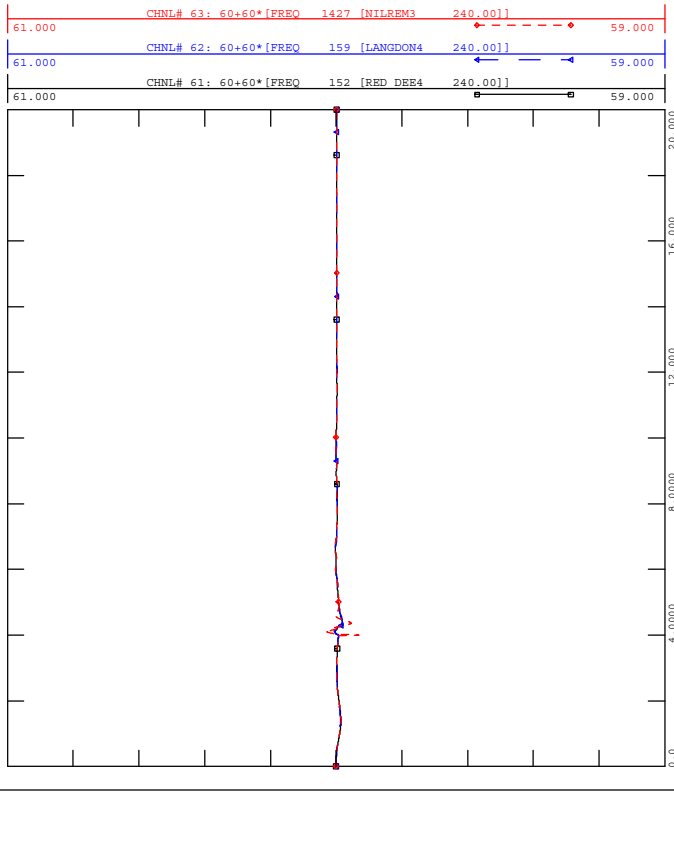


NEED_2021_WP_CASE05
C7-SLG -9L24_S905_959S-LANFINE

FILE: NEED_2021_WP_CASE05/9L24_S905_959S-Lanfine.out

TUE, DEC 06 2016 13:28

FREQUENCY

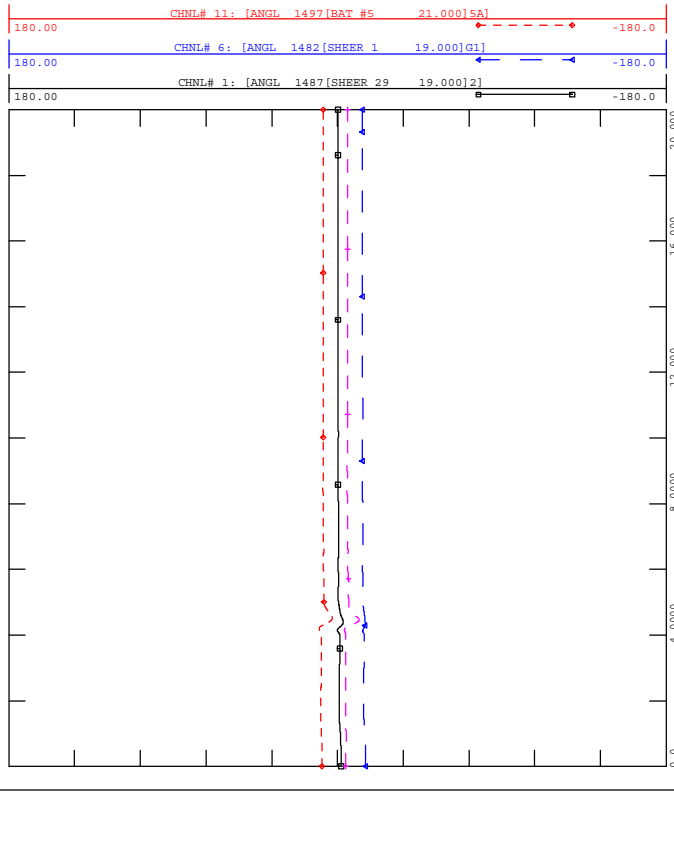


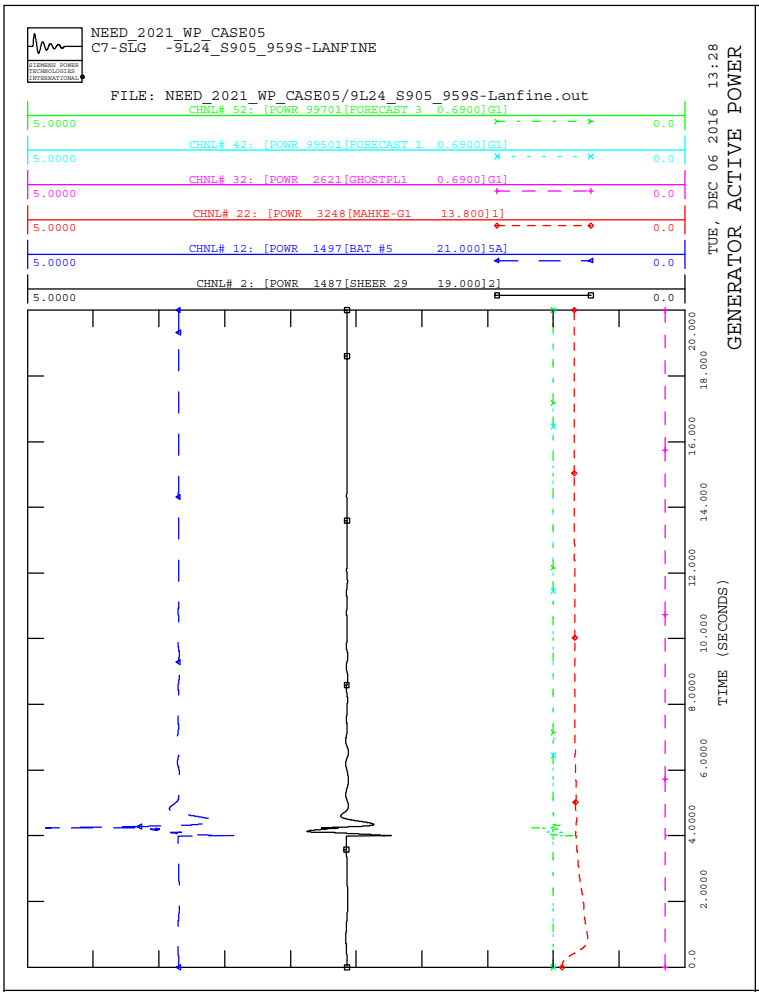
NEED_2021_WP_CASE05
C7-SLG -9L24_S905_959S-LANFINE

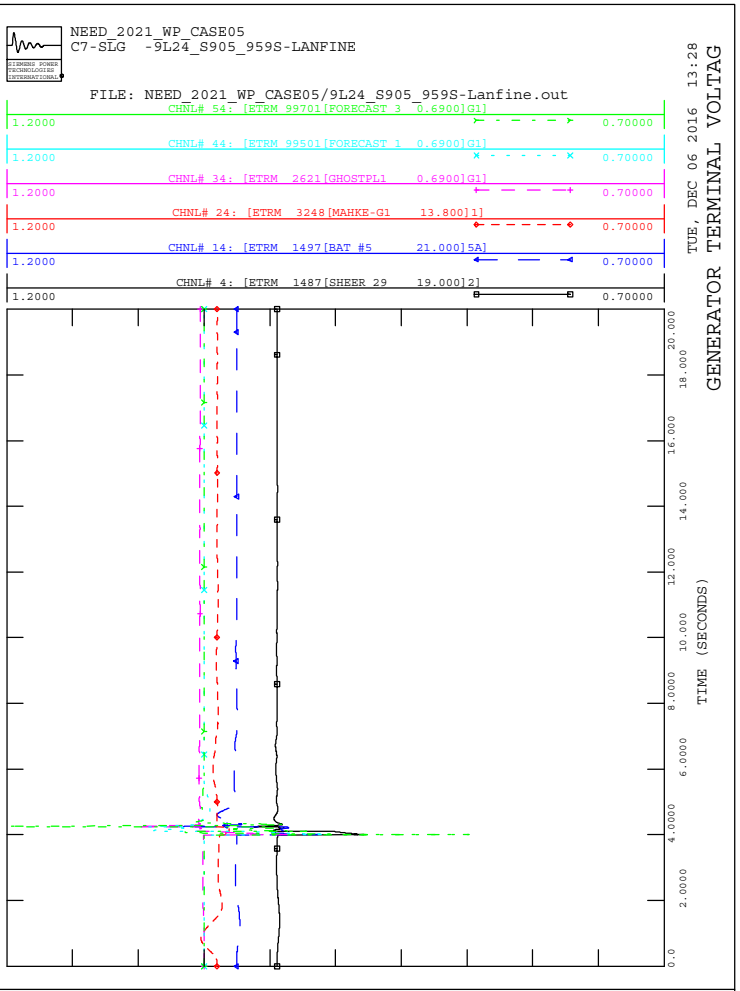
FILE: NEED_2021_WP_CASE05/9L24_S905_959S-Lanfine.out

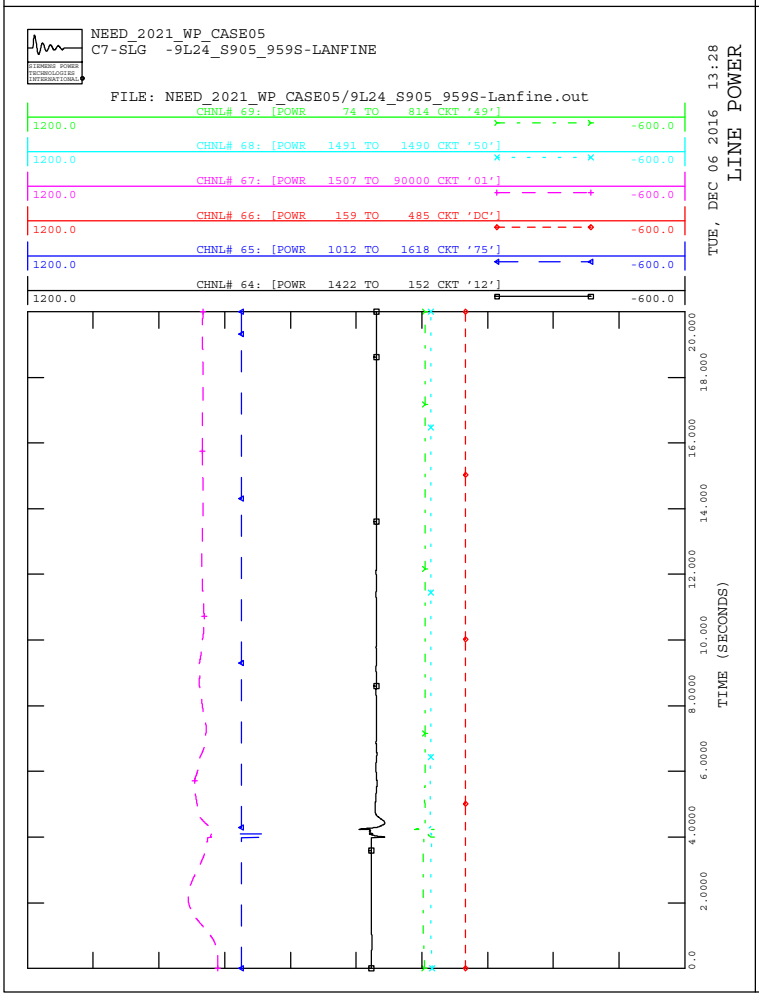
TUE, DEC 06 2016 13:28

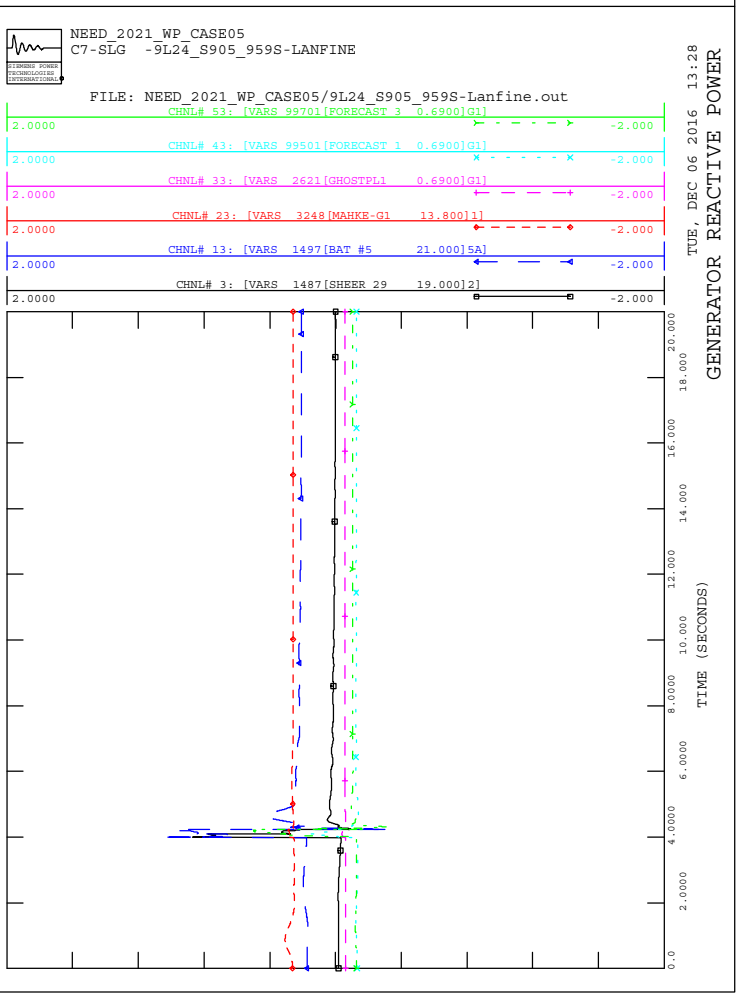
MACHINE ANGEL




NEED_2021_WP_CASE05
C7-SLG -9L24_S905_959S-LANFINE
FILE: NEED_2021_WP_CASE05/9L24_S905_959S-Lanfine.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 13:28
GENERATOR ACTIVE POWER
TIME (SECONDS)


NEED_2021_WP_CASE05
C7-SLG -9L24_S905_959S-LANFINE
FILE: NEED_2021_WP_CASE05/9L24_S905_959S-Lanfine.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 13:28
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


NEED_2021_WP_CASE05
C7-SLG -9L24_S905_959S-LANFINE
FILE: NEED_2021_WP_CASE05/9L24_S905_959S-Lanfine.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 13:28
LINE POWER
TIME (SECONDS)


NEED_2021_WP_CASE05
C7-SLG -9L24_S905_959S-LANFINE
FILE: NEED_2021_WP_CASE05/9L24_S905_959S-Lanfine.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 13:28
GENERATOR REACTIVE POWER
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -9L24_946S_946S-OAKLAND

FILE: NEED_2021_WP_CASE05/9L24_946S_946S-Oakland.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.50000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.50000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.50000
CHNL# 57: [VOLT 1383 [VERMILO7 138.00]] 1.2000 0.50000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.50000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -9L24_946S_946S-OAKLAND

FILE: NEED_2021_WP_CASE05/9L24_946S_946S-Oakland.out

MON, NOV 28 2016 23:52

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -9L24_946S_946S-OAKLAND

FILE: NEED_2021_WP_CASE05/9L24_946S_946S-Oakland.out

MON, NOV 28 2016 23:52

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

NEED_2021_WP_CASE05
C7-SLG -9L24_946S_946S-OAKLAND

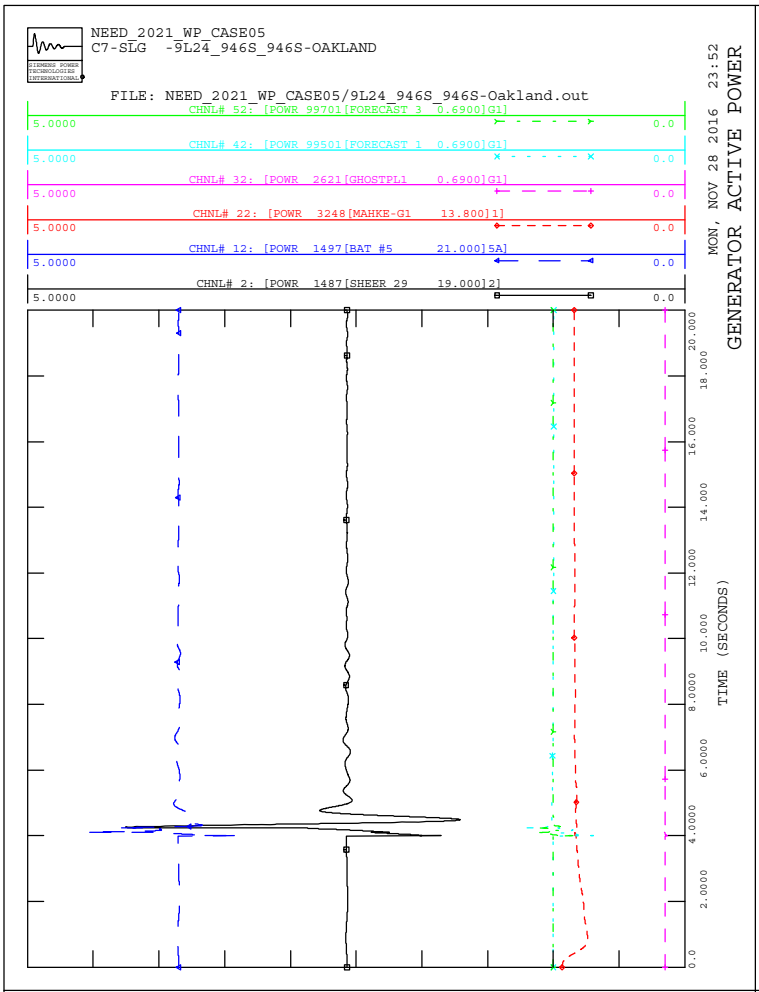
FILE: NEED_2021_WP_CASE05/9L24_946S_946S-Oakland.out

MON, NOV 28 2016 23:52

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000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CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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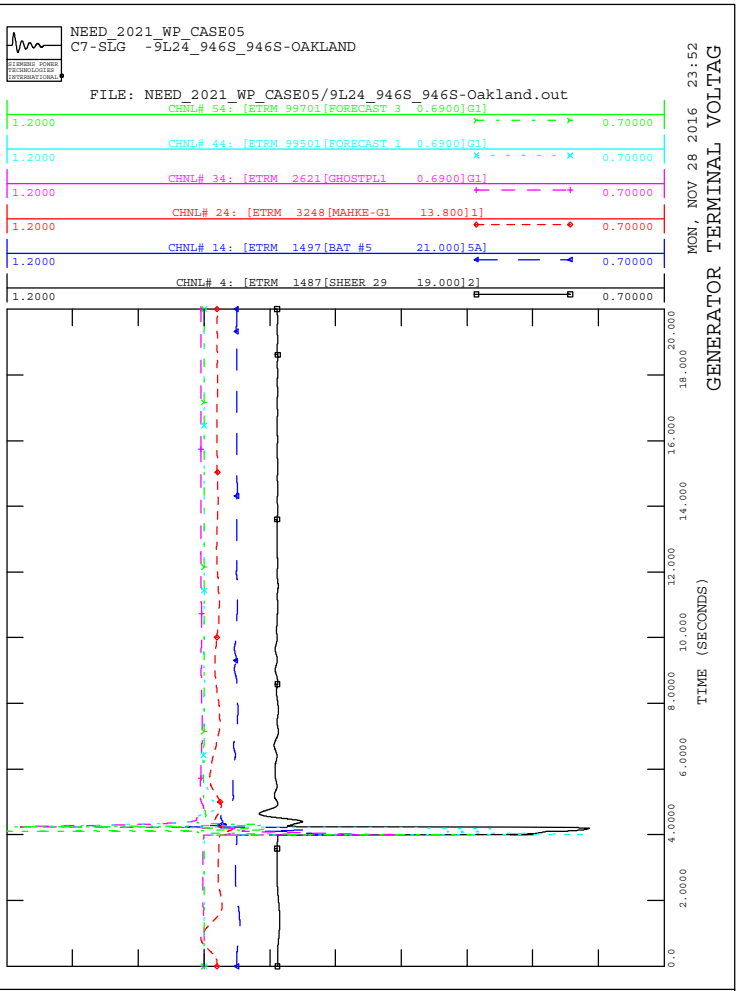
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER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C7-SLG -9L24_946S_946S-OAKLAND
FILE: NEED_2021_WP_CASE05/9L24_946S_946S-Oakland.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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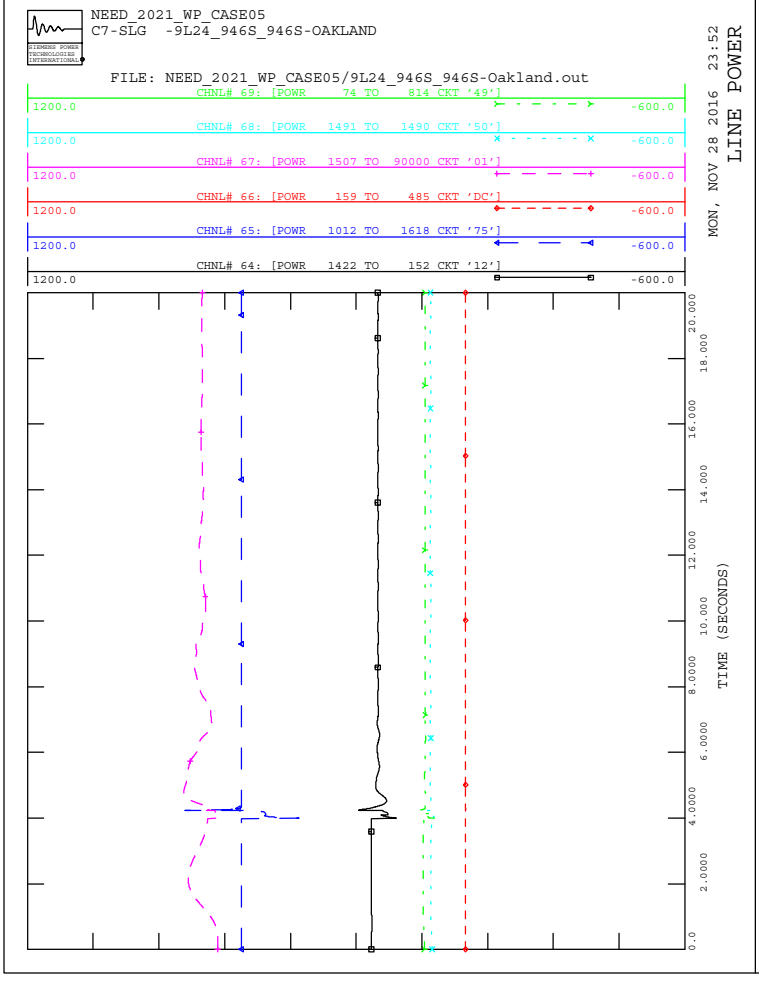
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG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C7-SLG -9L24_946S_946S-OAKLAND
FILE: NEED_2021_WP_CASE05/9L24_946S_946S-Oakland.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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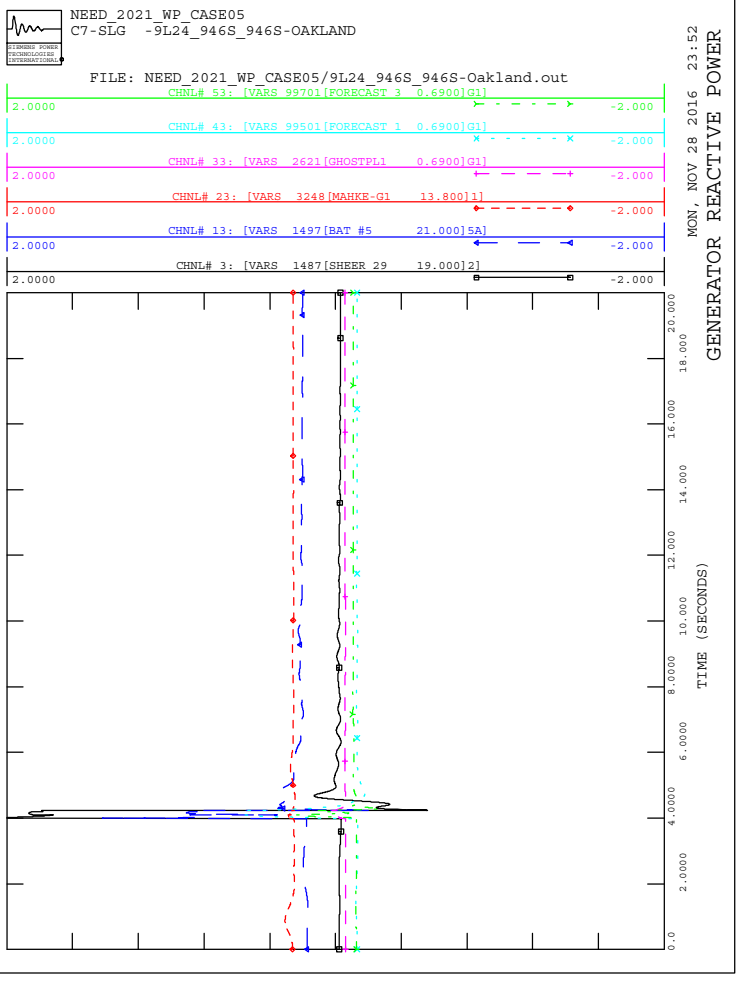
-600.0
TIME (SECONDS)
MON, NOV 28 2016 23:52
LINE POWER


NEED_2021_WP_CASE05
C7-SLG -9L24_946S_946S-OAKLAND
FILE: NEED_2021_WP_CASE05/9L24_946S_946S-Oakland.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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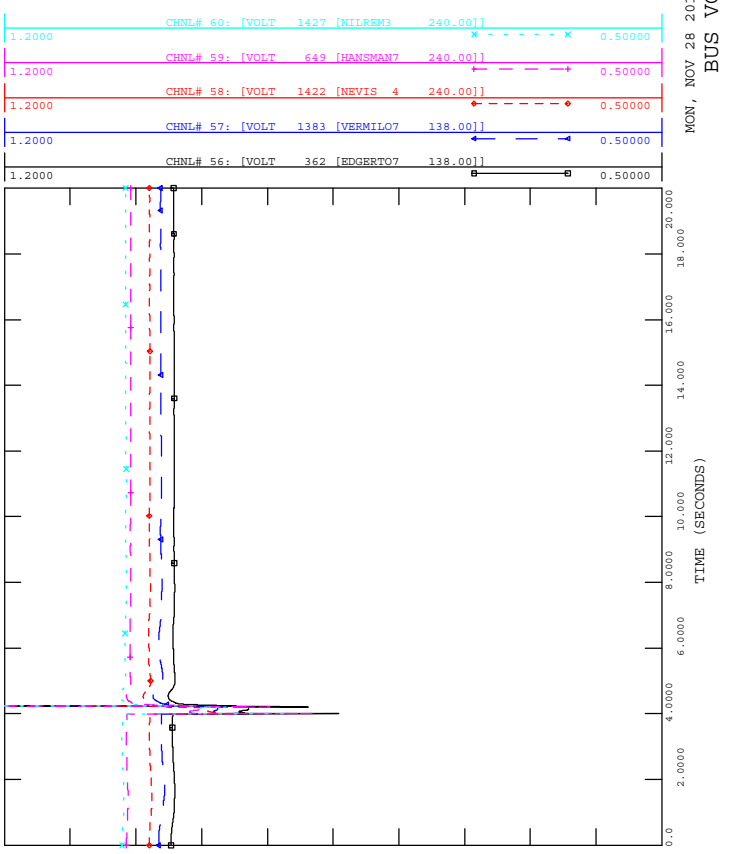
-2.000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L97_946S_946S-OAKLAND

FILE: NEED_2021_WP_CASE05/9L97_946S_946S-Oakland.out

MON, NOV 28 2016 23:52

BUS VOLTAGE

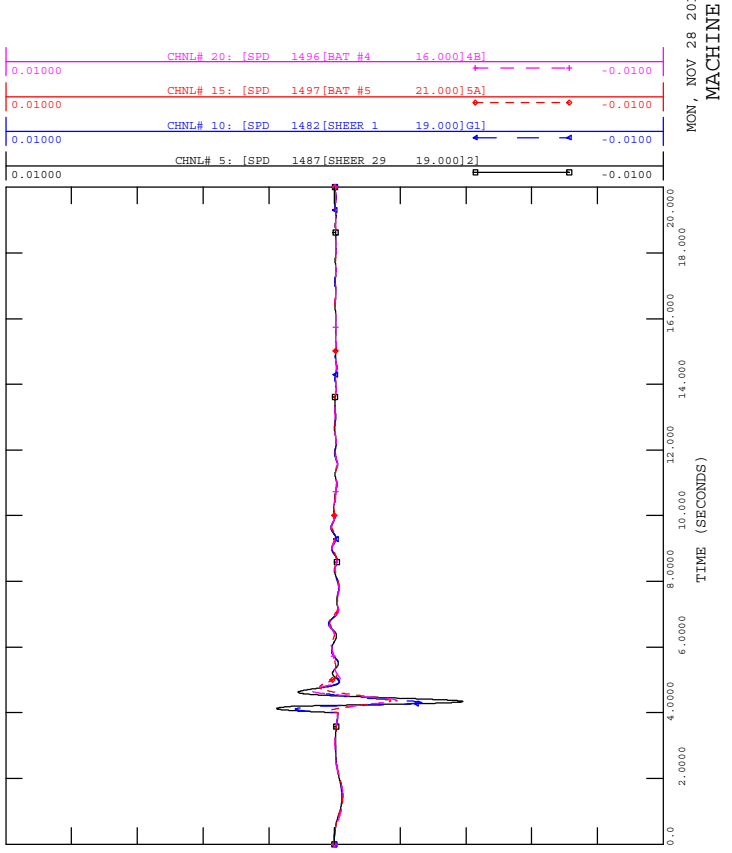


NEED_2021_WP_CASE05
C7-SLG -9L97_946S_946S-OAKLAND

FILE: NEED_2021_WP_CASE05/9L97_946S_946S-Oakland.out

MON, NOV 28 2016 23:52

MACHINE SPEED

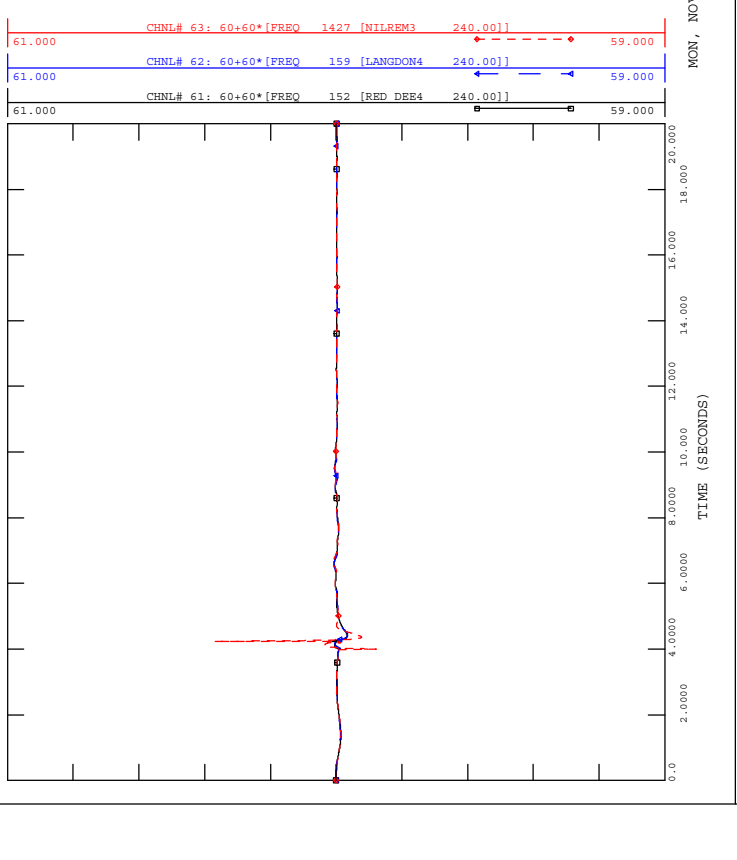


NEED_2021_WP_CASE05
C7-SLG -9L97_946S_946S-OAKLAND

FILE: NEED_2021_WP_CASE05/9L97_946S_946S-Oakland.out

MON, NOV 28 2016 23:52

FREQUENCY

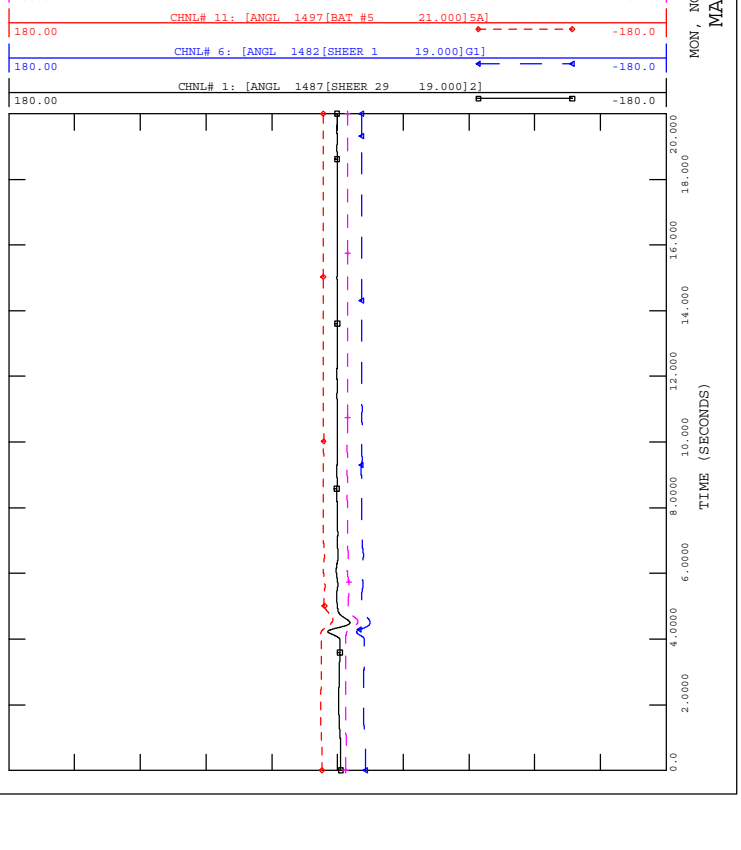


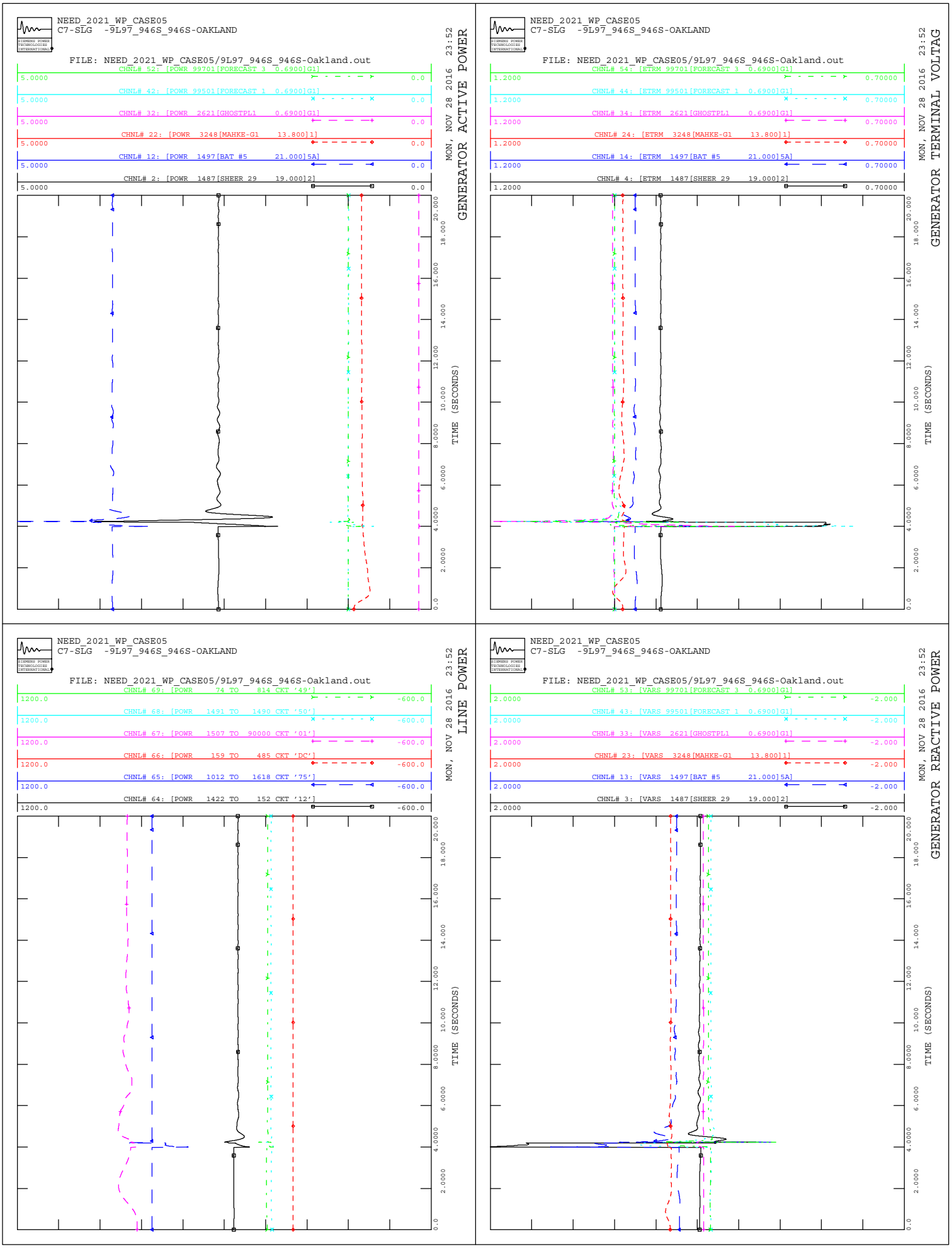
NEED_2021_WP_CASE05
C7-SLG -9L97_946S_946S-OAKLAND

FILE: NEED_2021_WP_CASE05/9L97_946S_946S-Oakland.out

MON, NOV 28 2016 23:52

MACHINE ANGEL

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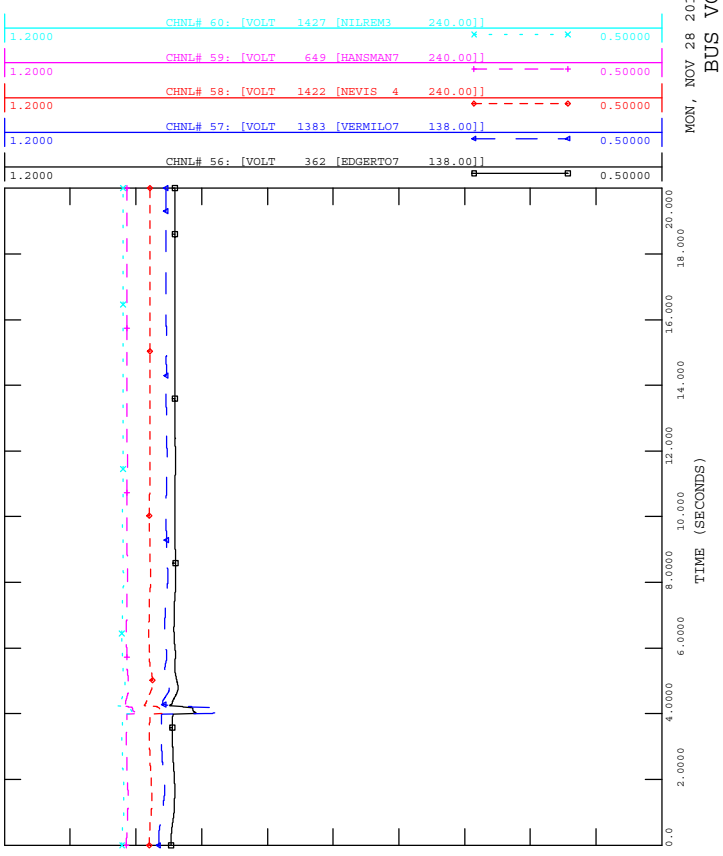
C7-SLG -9L97_946S_946S-OAKLAND
FILE: NEED_2021_WP_CASE05/9L97_946S_946S-Oakland.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 28 2016 23:52
TIME (SECONDS)
NEED_2021_WP_CASE05
C7-SLG -9L97_946S_946S-OAKLAND
FILE: NEED_2021_WP_CASE05/9L97_946S_946S-Oakland.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 28 2016 23:52
TIME (SECONDS)
NEED_2021_WP_CASE05
C7-SLG -9L97_946S_946S-OAKLAND
FILE: NEED_2021_WP_CASE05/9L97_946S_946S-Oakland.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 28 2016 23:52
TIME (SECONDS)
NEED_2021_WP_CASE05
C7-SLG -9L97_946S_946S-OAKLAND
FILE: NEED_2021_WP_CASE05/9L97_946S_946S-Oakland.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 28 2016 23:52
TIME (SECONDS)

NEED_2021_WP_CASE05
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

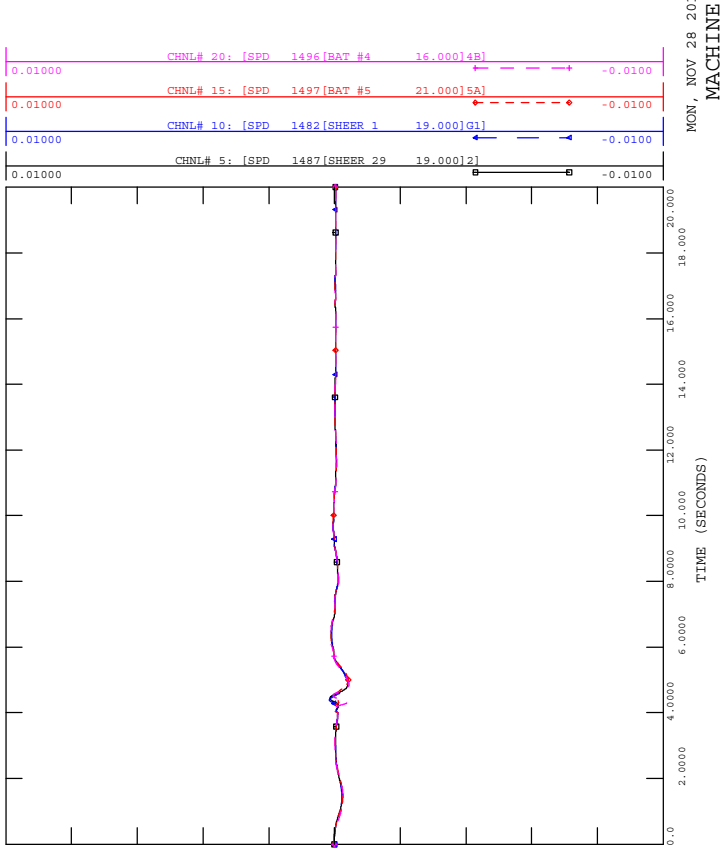
FILE: NEED_2021_WP_CASE05/9L36_S902_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

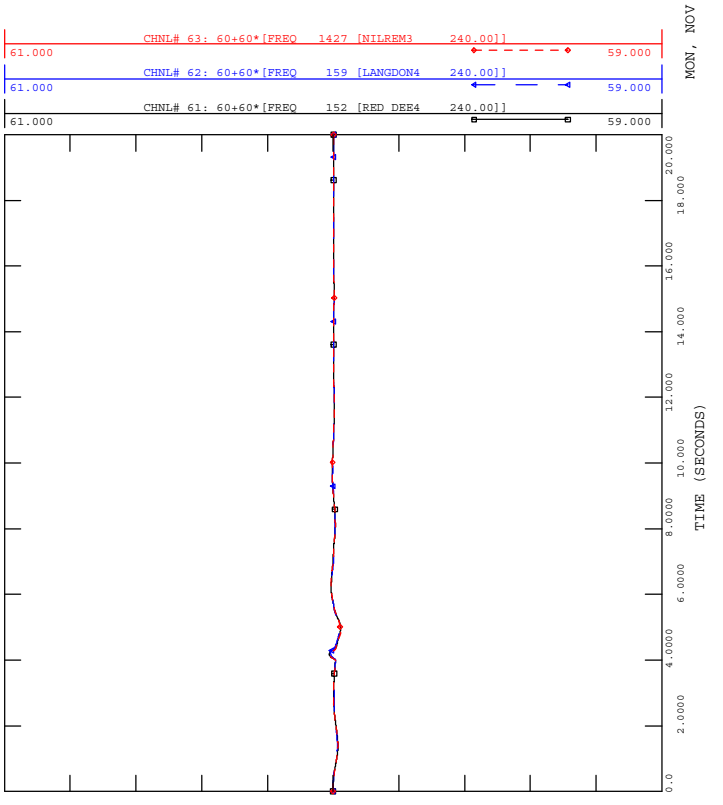
FILE: NEED_2021_WP_CASE05/9L36_S902_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: NEED_2021_WP_CASE05/9L36_S902_825S-Whitefish Lake.out



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FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

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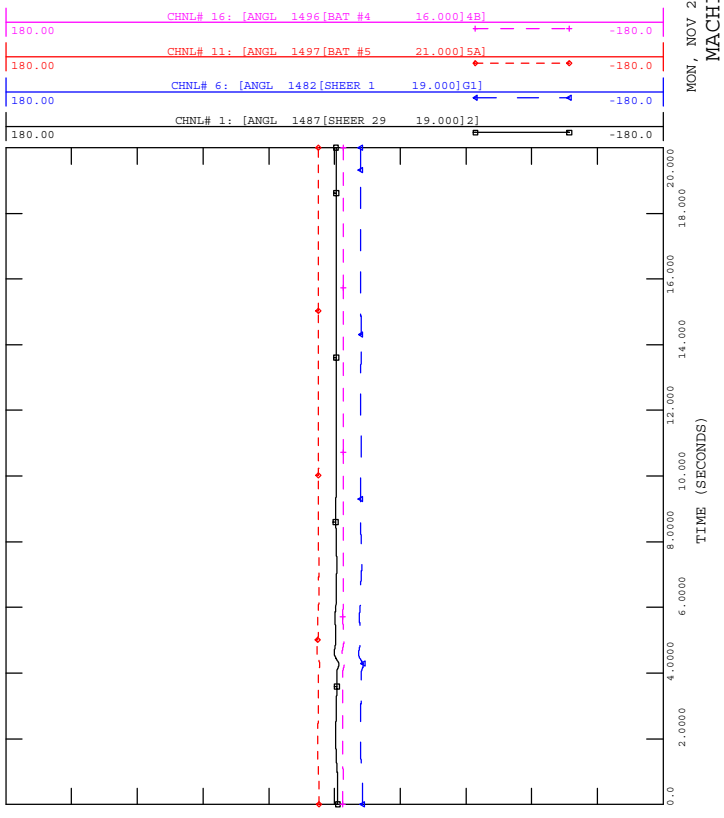
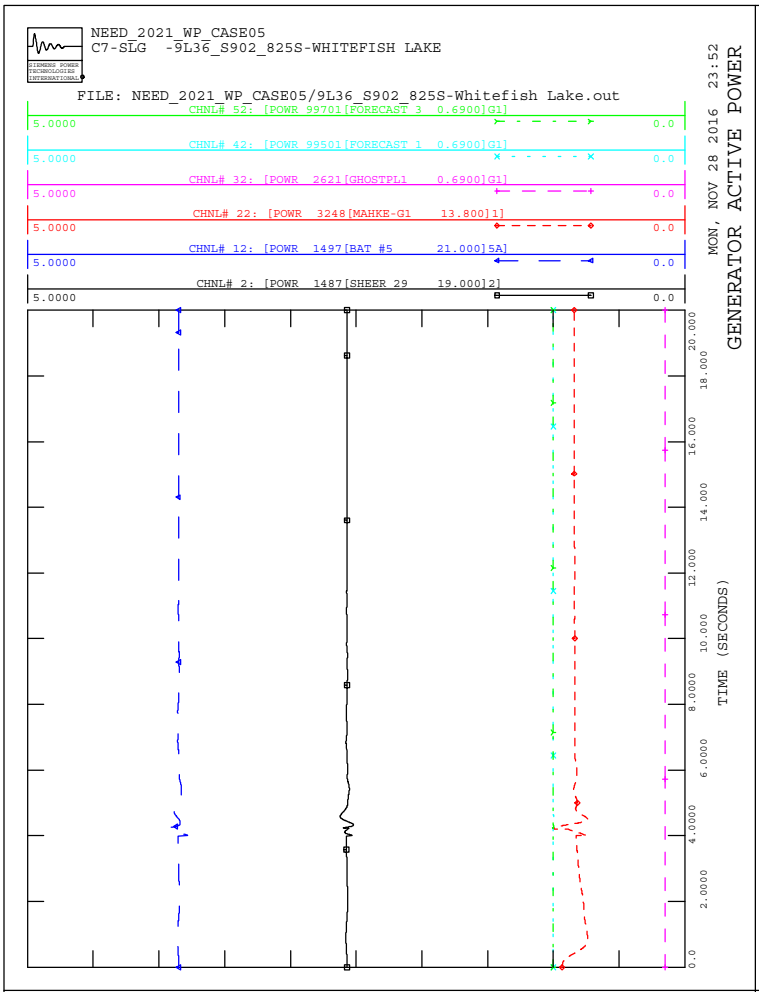


MON, NOV 28 2016 23:52
MACHINE ANGEL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C7-SLG -9L36_S902_825S-WHITEFISH LAKE
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CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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2.0000
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8.0000
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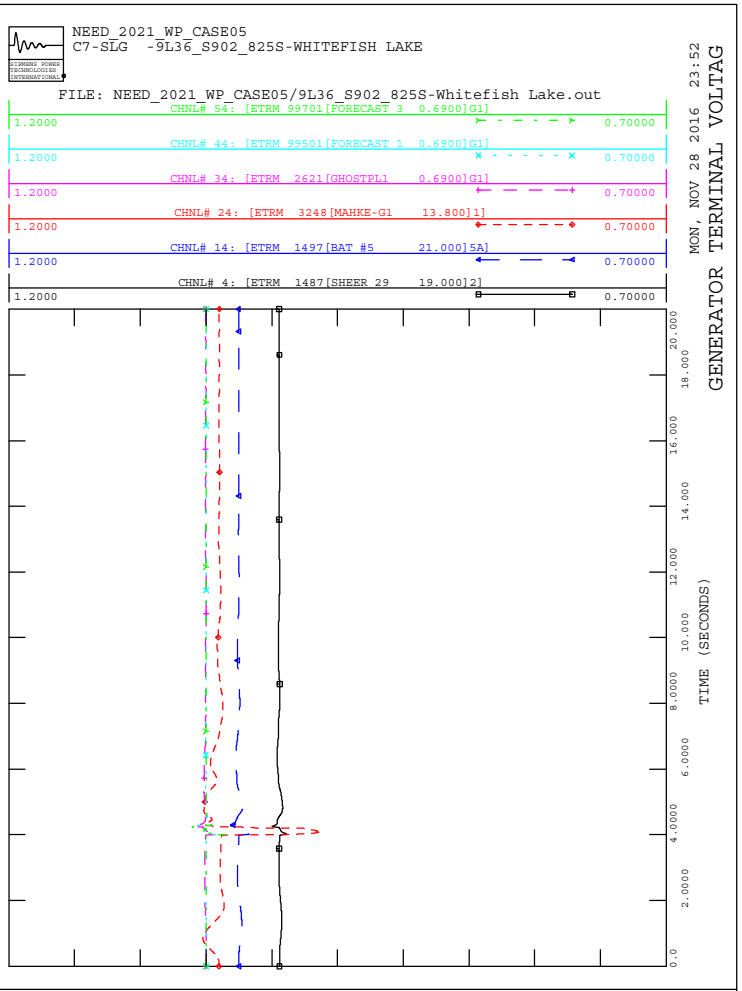
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER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C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: NEED_2021_WP_CASE05/9L36_S902_825S-Whitefish Lake.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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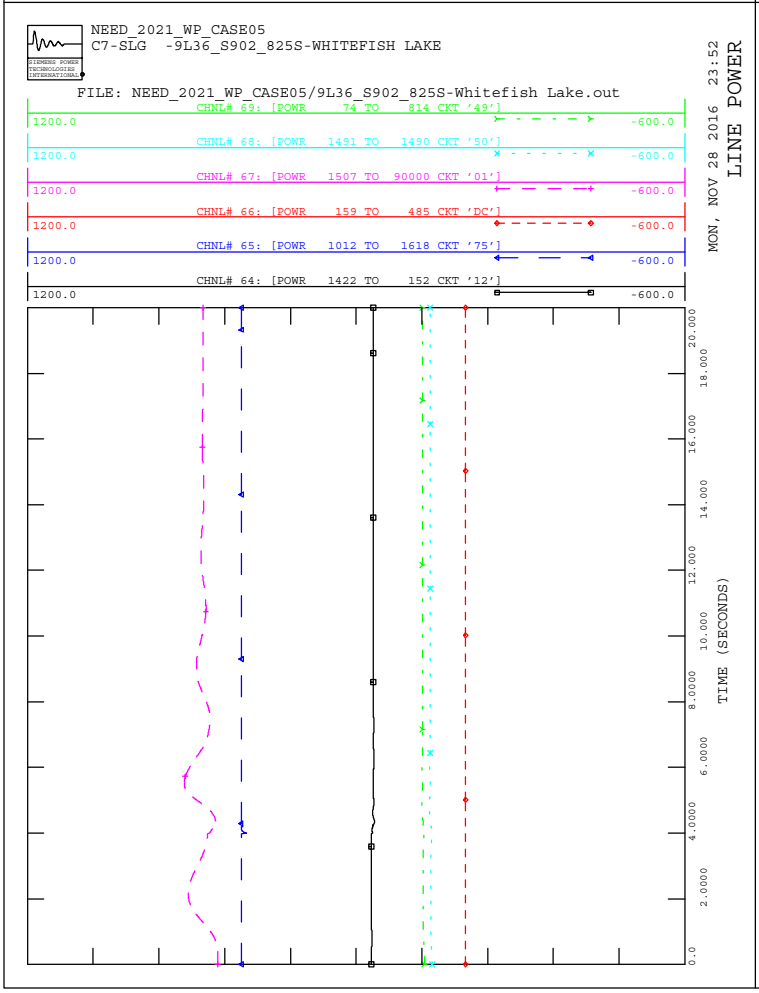
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: NEED_2021_WP_CASE05/9L36_S902_825S-Whitefish Lake.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
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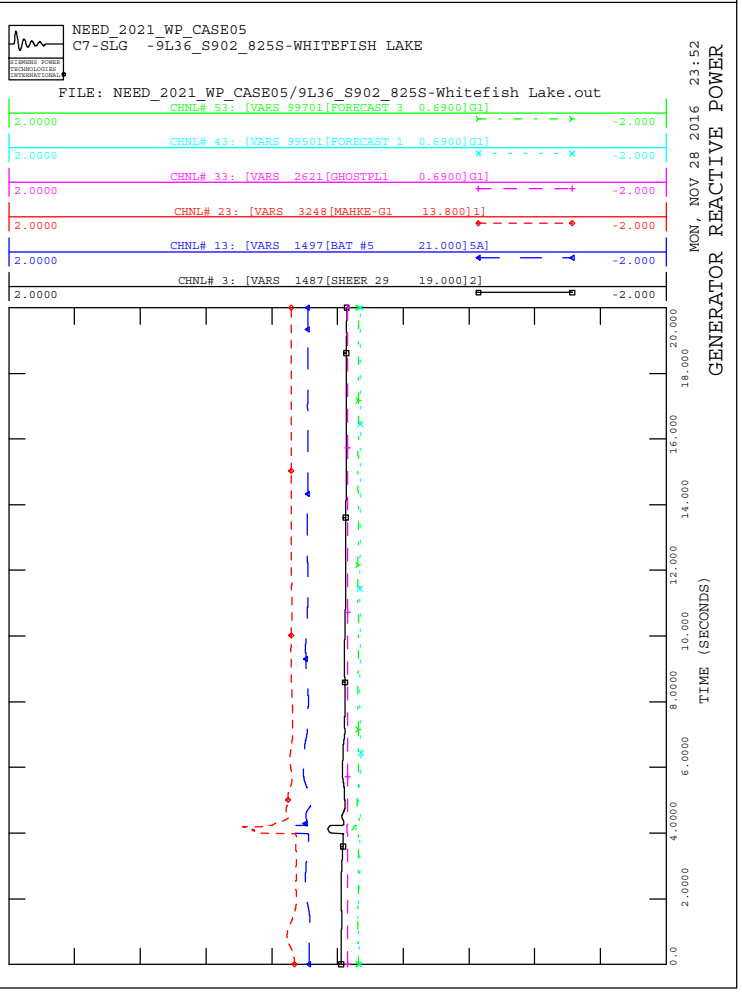
TIME (SECONDS)
MON, NOV 28 2016 23:52
LINE POWER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C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: NEED_2021_WP_CASE05/9L36_S902_825S-Whitefish Lake.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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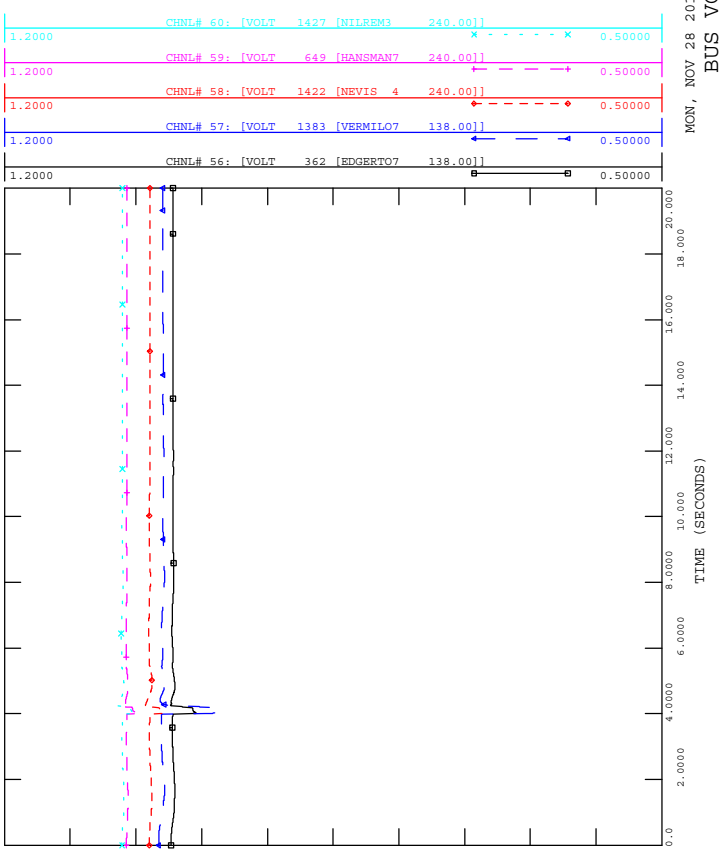
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

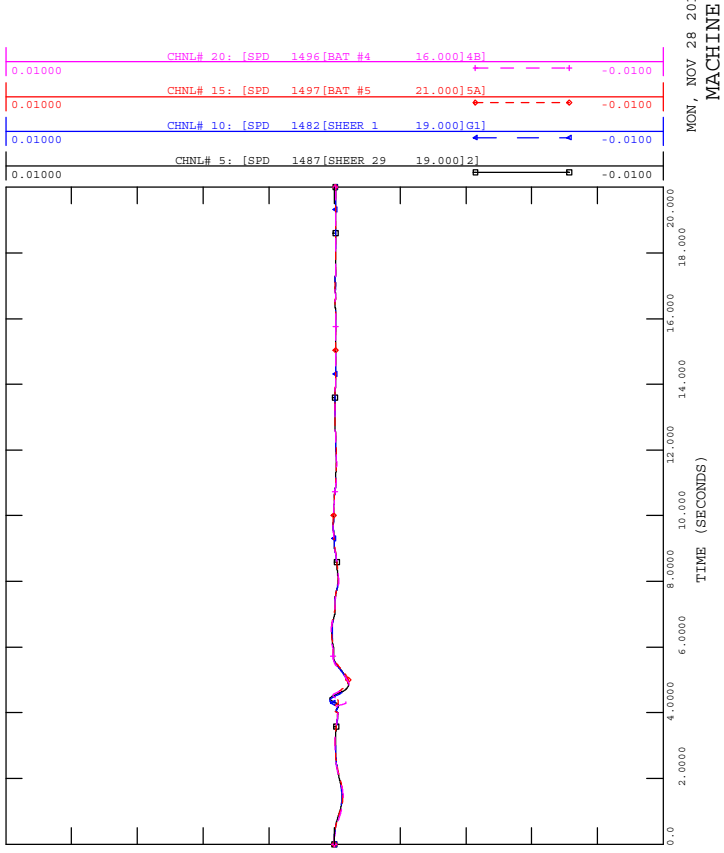
FILE: NEED_2021_WP_CASE05/9L36_S906_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

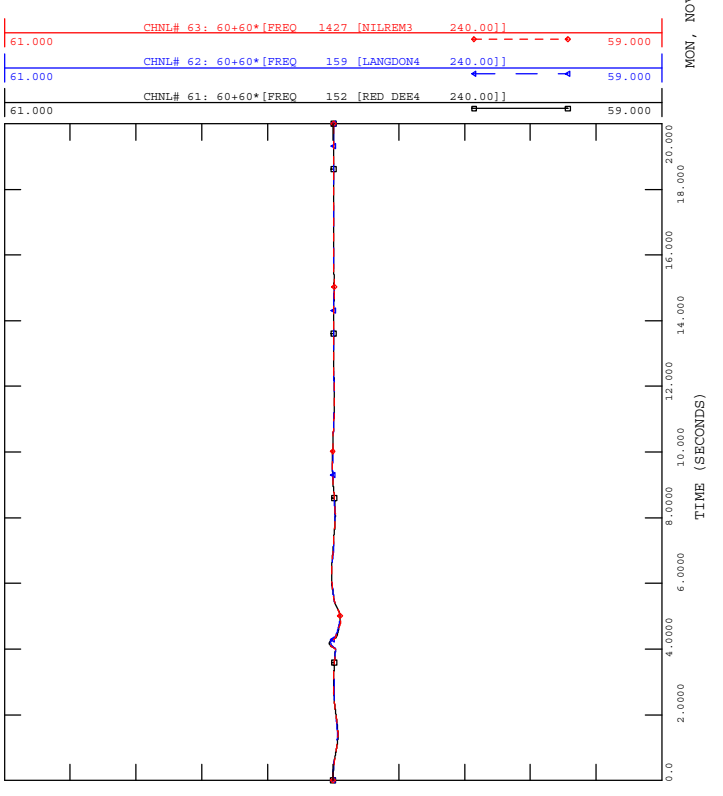
FILE: NEED_2021_WP_CASE05/9L36_S906_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: NEED_2021_WP_CASE05/9L36_S906_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

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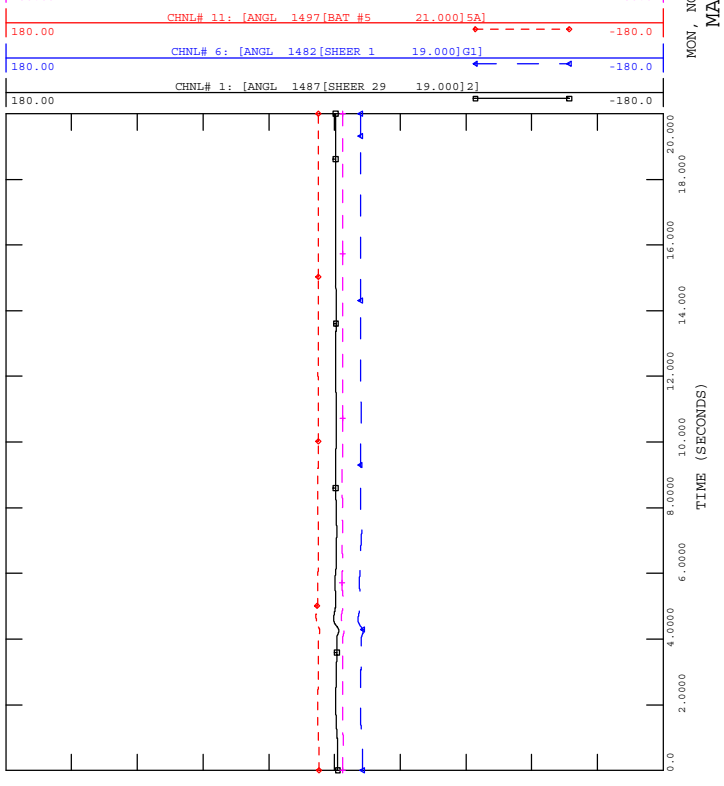
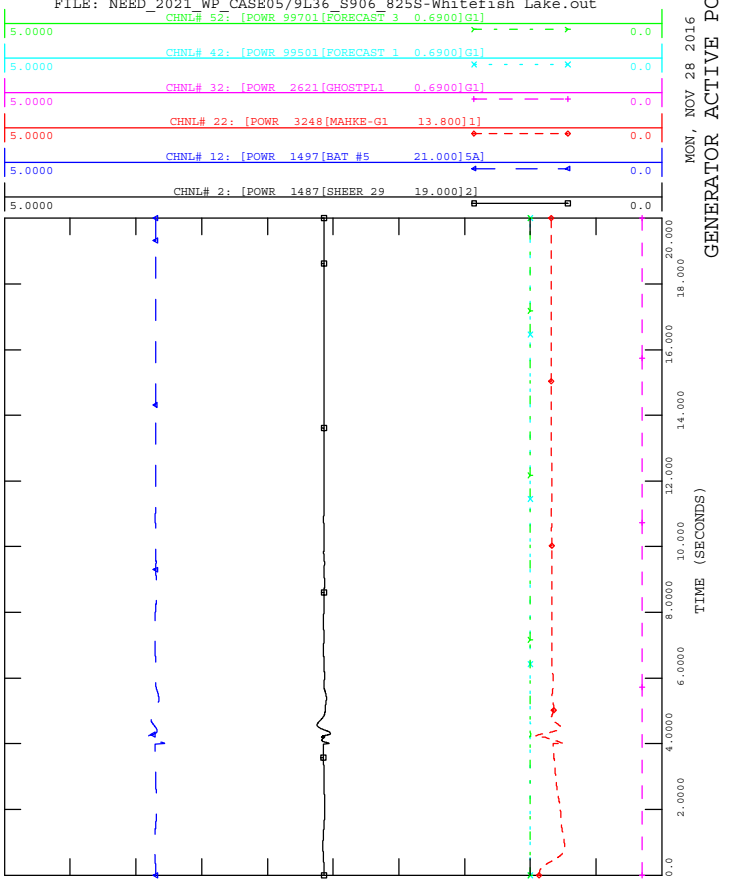


MON, NOV 28 2016 23:52
MACHINE ANGEL

NEED_2021_WP_CASE05
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

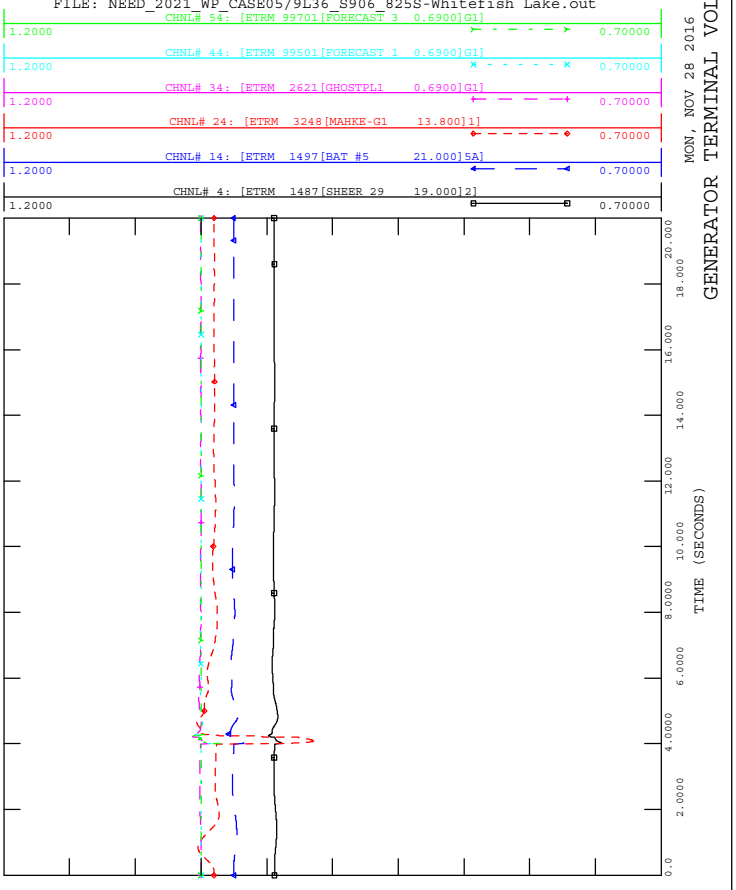
FILE: NEED_2021_WP_CASE05/9L36_S906_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

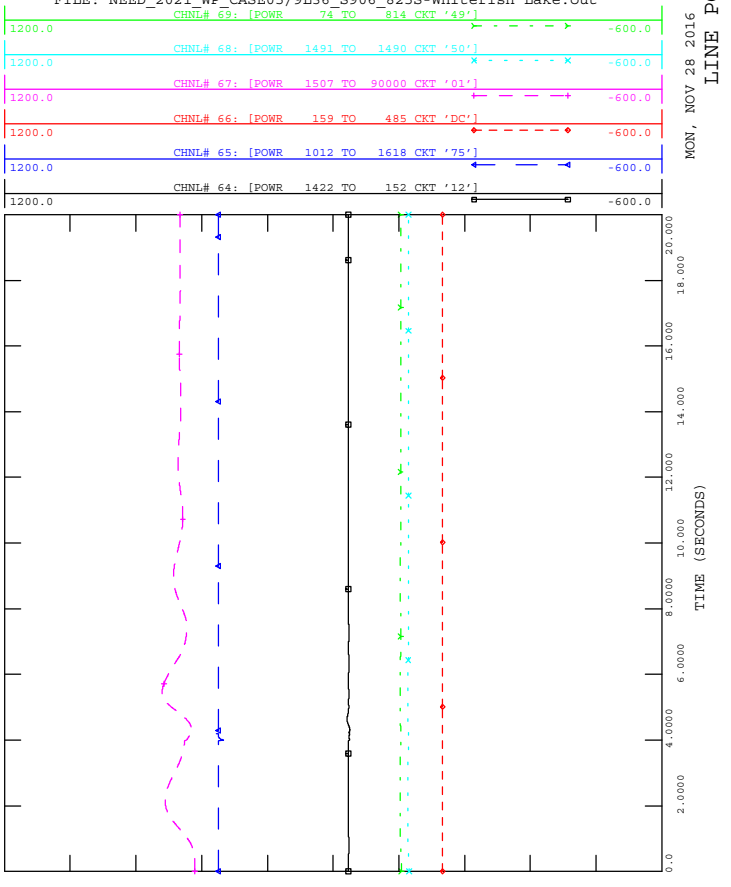
FILE: NEED_2021_WP_CASE05/9L36_S906_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

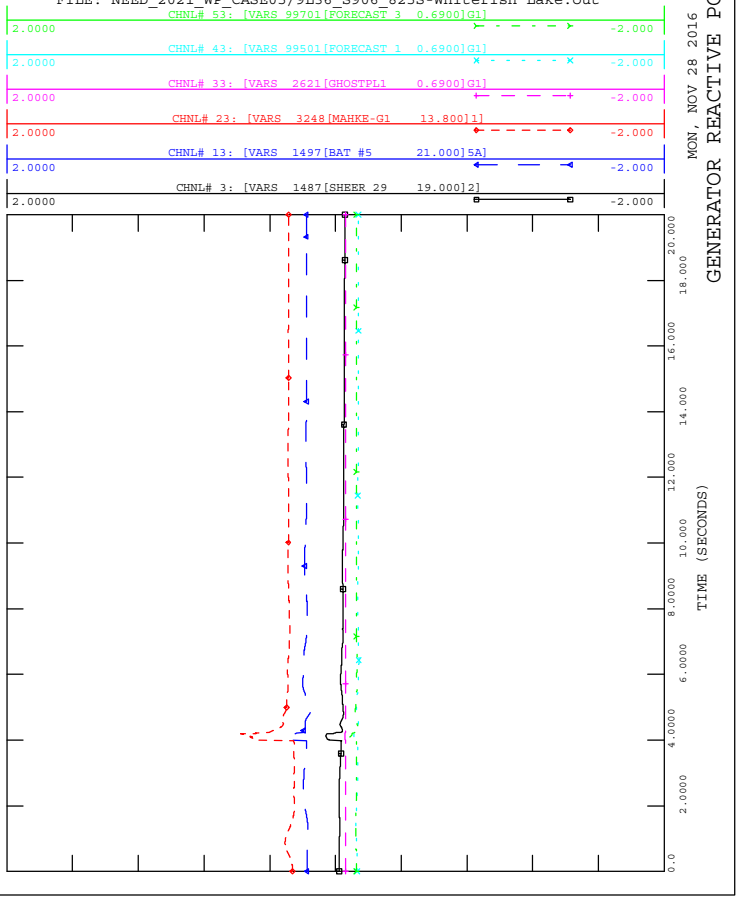
FILE: NEED_2021_WP_CASE05/9L36_S906_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

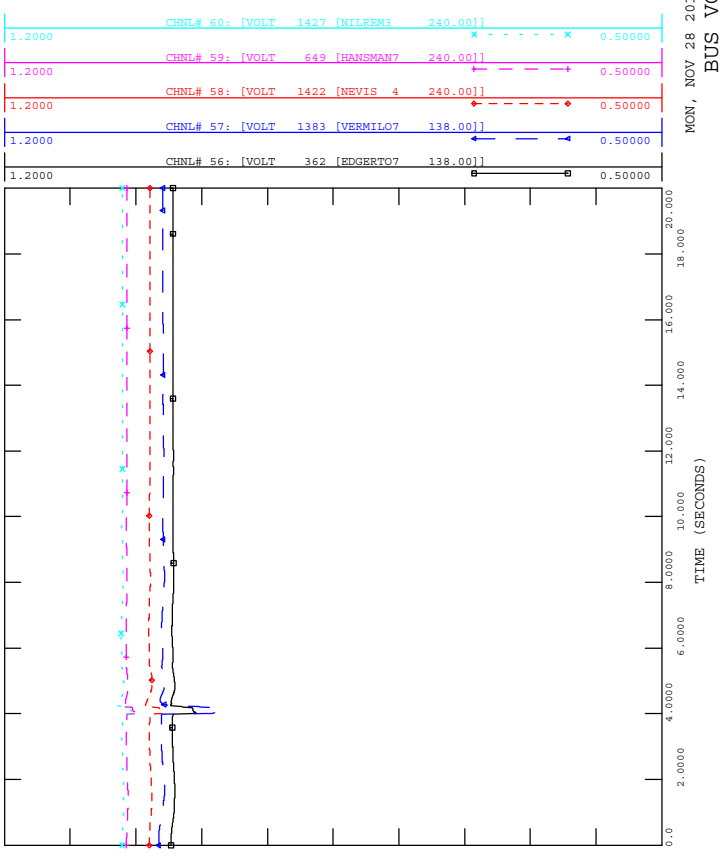
FILE: NEED_2021_WP_CASE05/9L36_S906_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

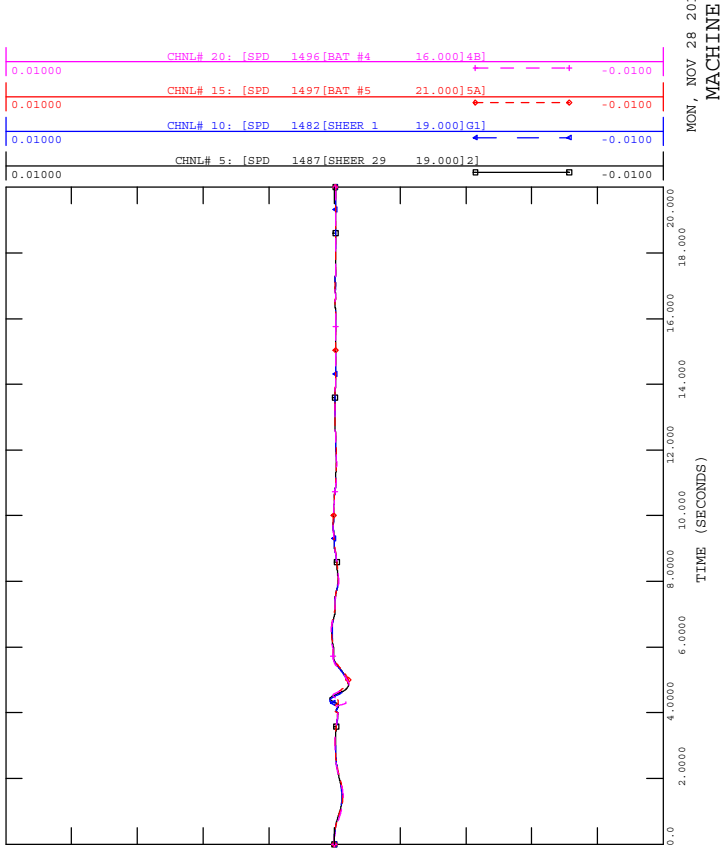
FILE: NEED_2021_WP_CASE05/9L37_S905_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

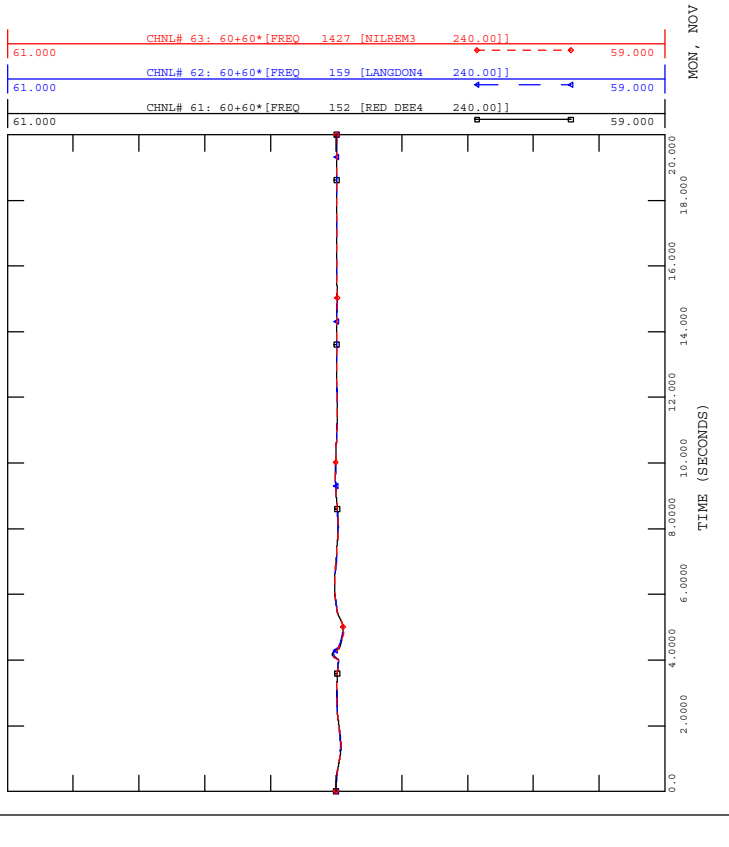
FILE: NEED_2021_WP_CASE05/9L37_S905_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

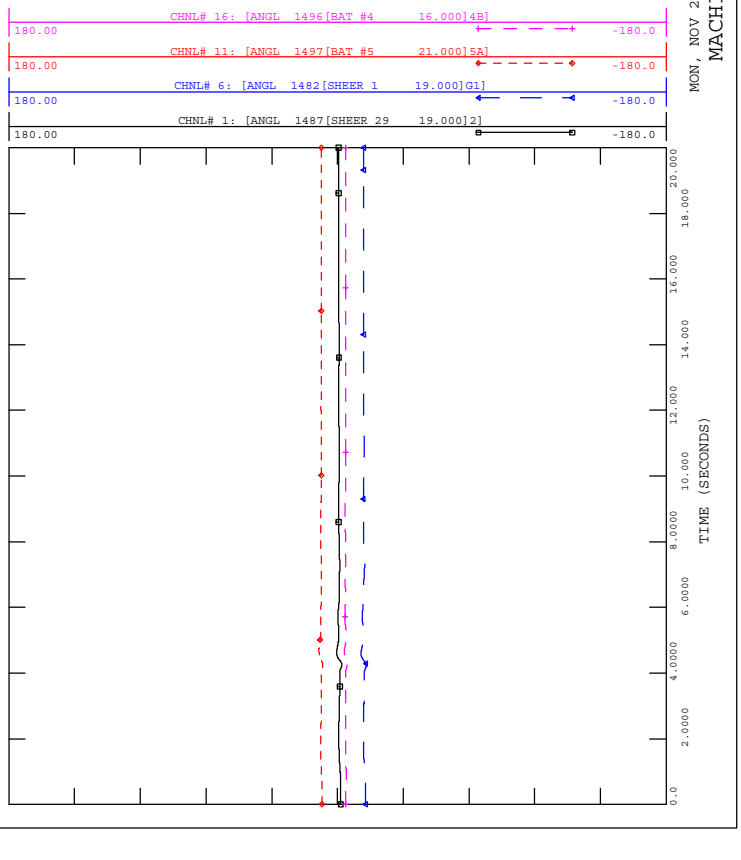
FILE: NEED_2021_WP_CASE05/9L37_S905_825S-Whitefish Lake.out



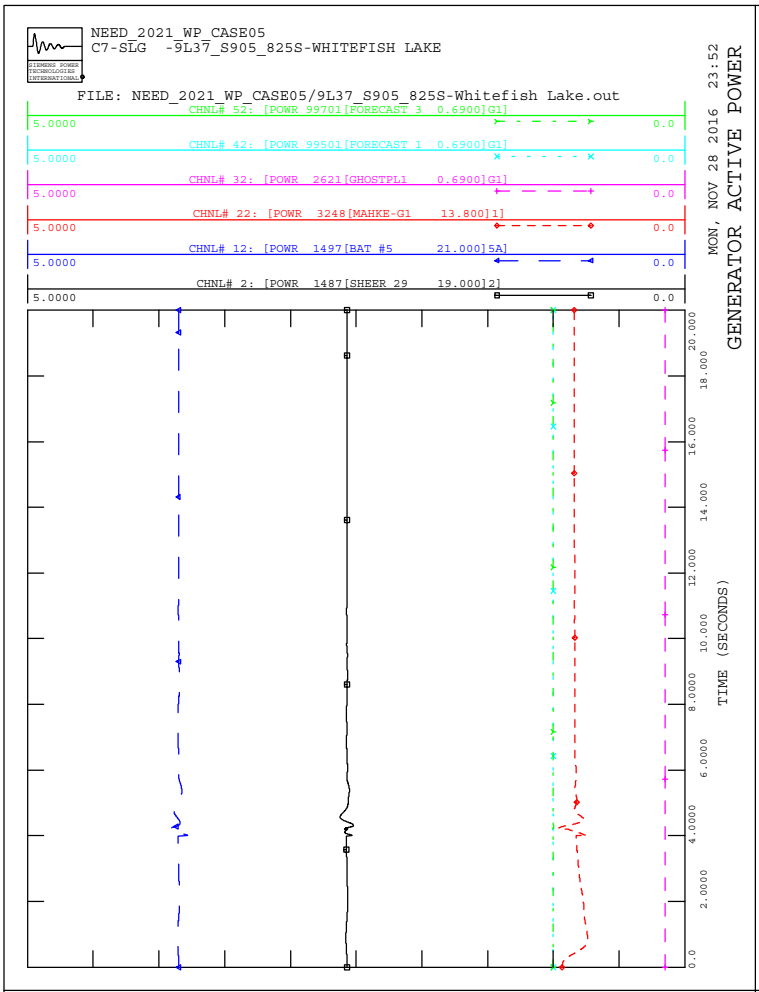
MON, NOV 28 2016 23:52
FREQUENCY

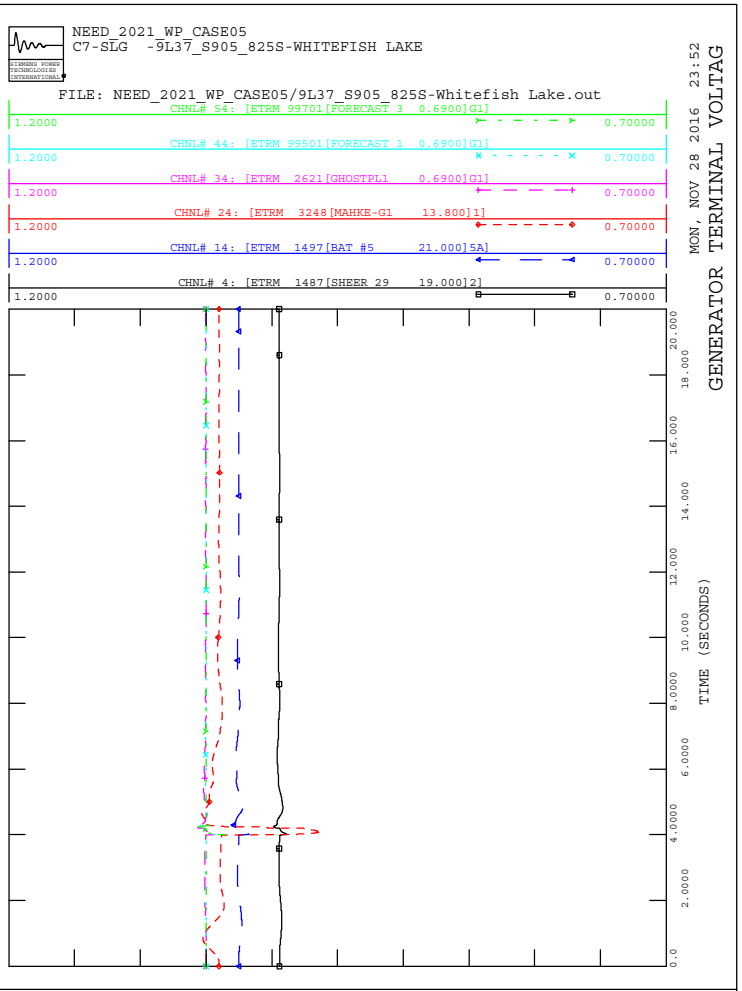
NEED_2021_WP_CASE05
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

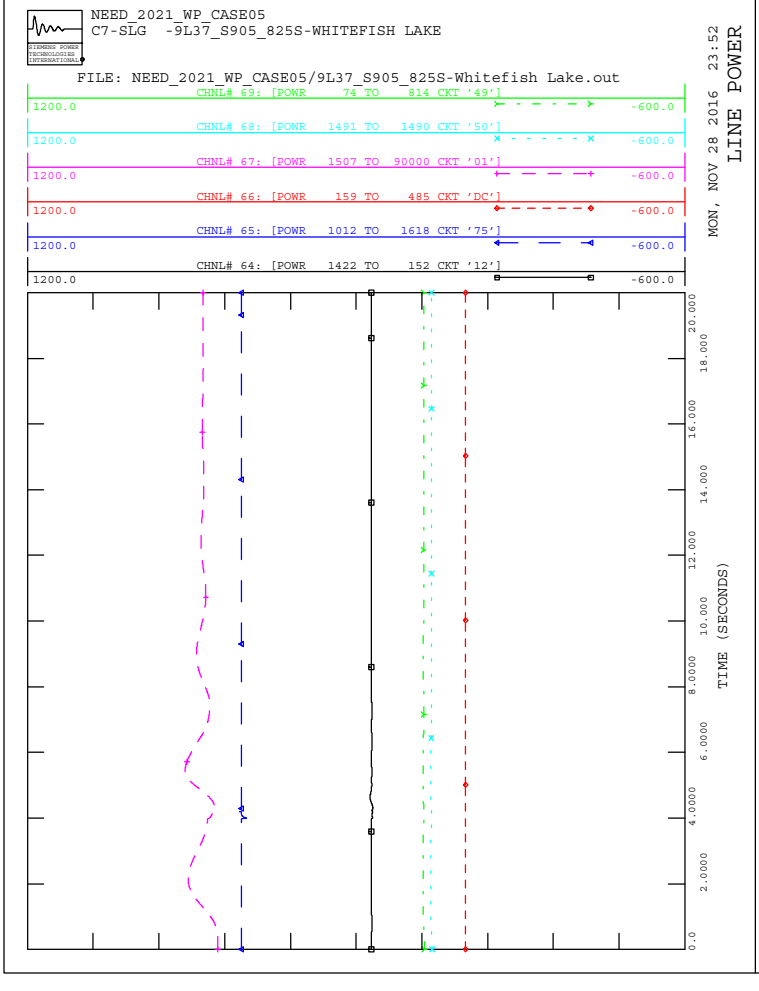
FILE: NEED_2021_WP_CASE05/9L37_S905_825S-Whitefish Lake.out

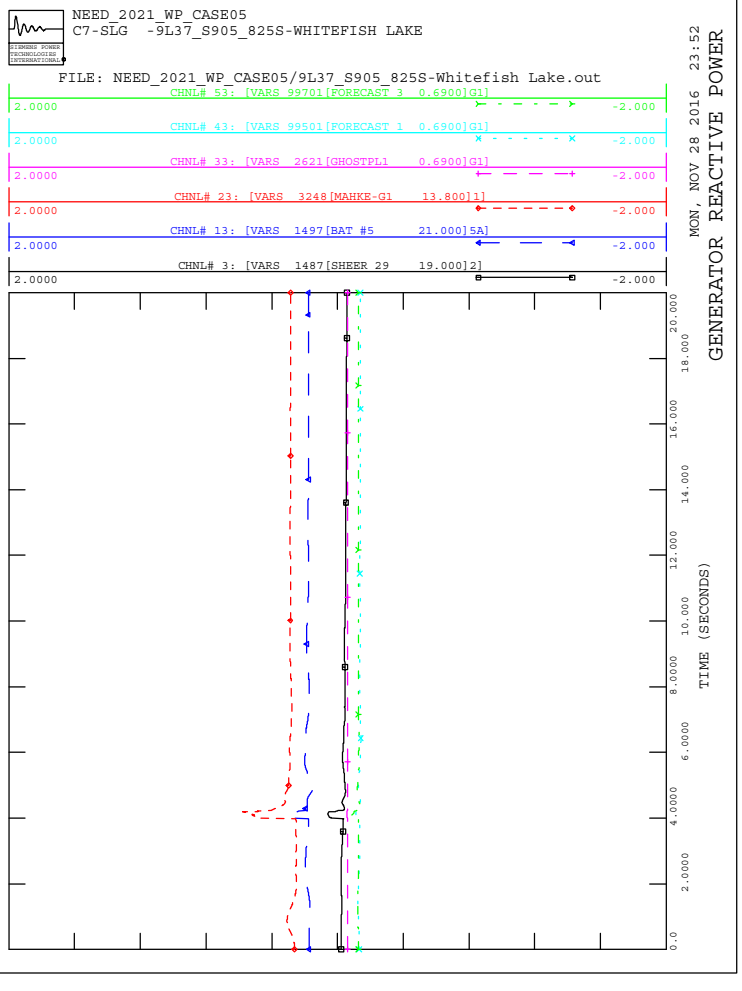


MON, NOV 28 2016 23:52
MACHINE ANGEL


NEED_2021_WP_CASE05
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: NEED_2021_WP_CASE05/9L37_S905_825S-Whitefish Lake.out
CHNL# 52: [POWR 99701[FORECAST 3 0.6900]G1]
CHNL# 42: [POWR 99501[FORECAST 1 0.6900]G1]
CHNL# 32: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 22: [POWR 3248[MAHKE-G1 13.800]1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

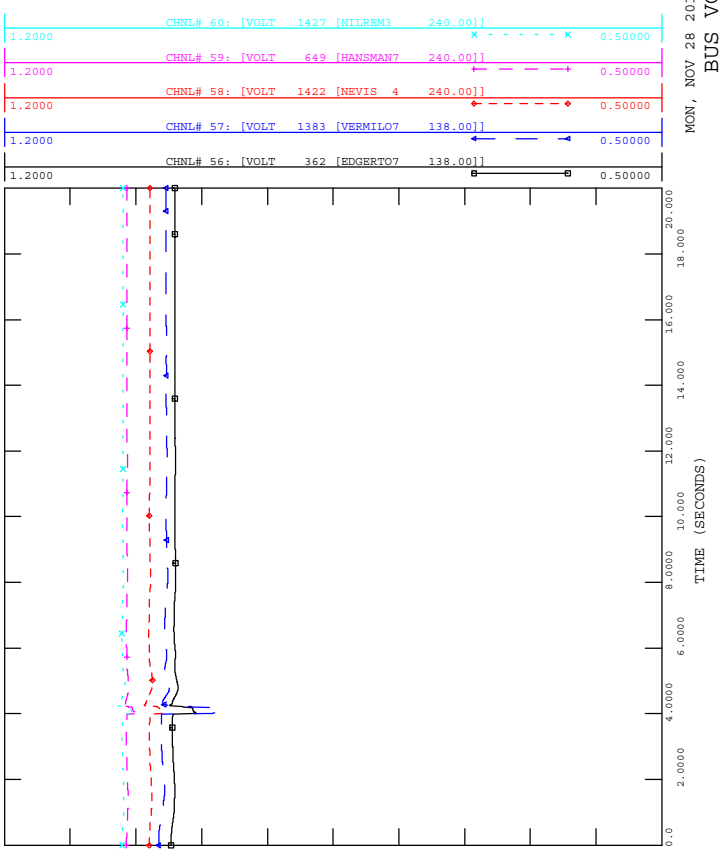

NEED_2021_WP_CASE05
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: NEED_2021_WP_CASE05/9L37_S905_825S-Whitefish Lake.out
CHNL# 54: [ETRM 99701[FORECAST 3 0.6900]G1]
CHNL# 44: [ETRM 99501[FORECAST 1 0.6900]G1]
CHNL# 34: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 24: [ETRM 3248[MAHKE-G1 13.800]1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG


NEED_2021_WP_CASE05
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: NEED_2021_WP_CASE05/9L37_S905_825S-Whitefish Lake.out
CHNL# 69: [POWR 74 TO 814 CKT '49']
CHNL# 68: [POWR 1491 TO 1490 CKT '50']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:52
LINE POWER


NEED_2021_WP_CASE05
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: NEED_2021_WP_CASE05/9L37_S905_825S-Whitefish Lake.out
CHNL# 53: [VARS 99701[FORECAST 3 0.6900]G1]
CHNL# 43: [VARS 99501[FORECAST 1 0.6900]G1]
CHNL# 33: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 23: [VARS 3248[MAHKE-G1 13.800]1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

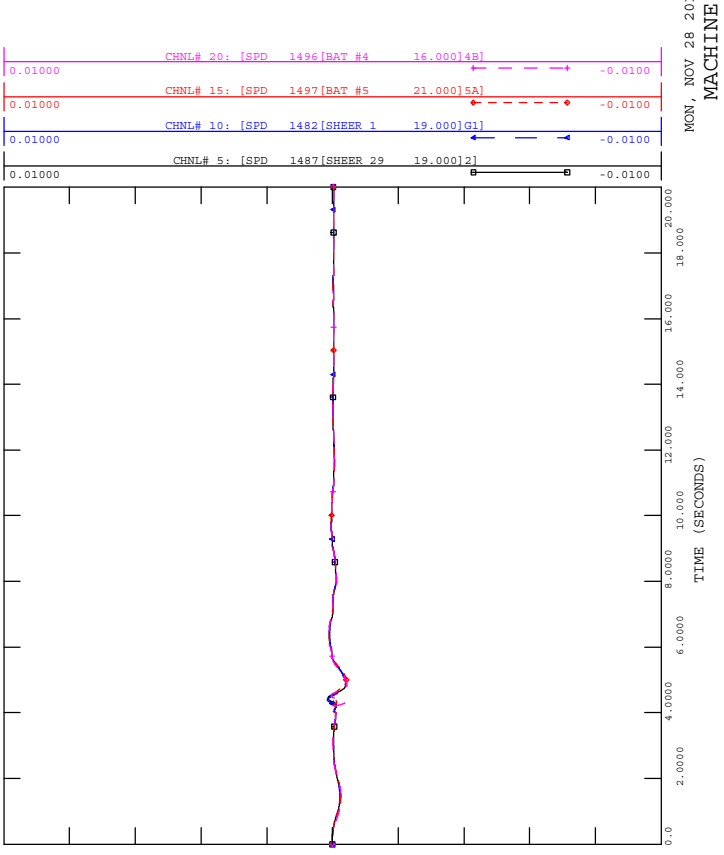
FILE: NEED_2021_WP_CASE05/9L37_S903_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
BUS VOLTAGE

NEED_2021_WP_CASE05
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

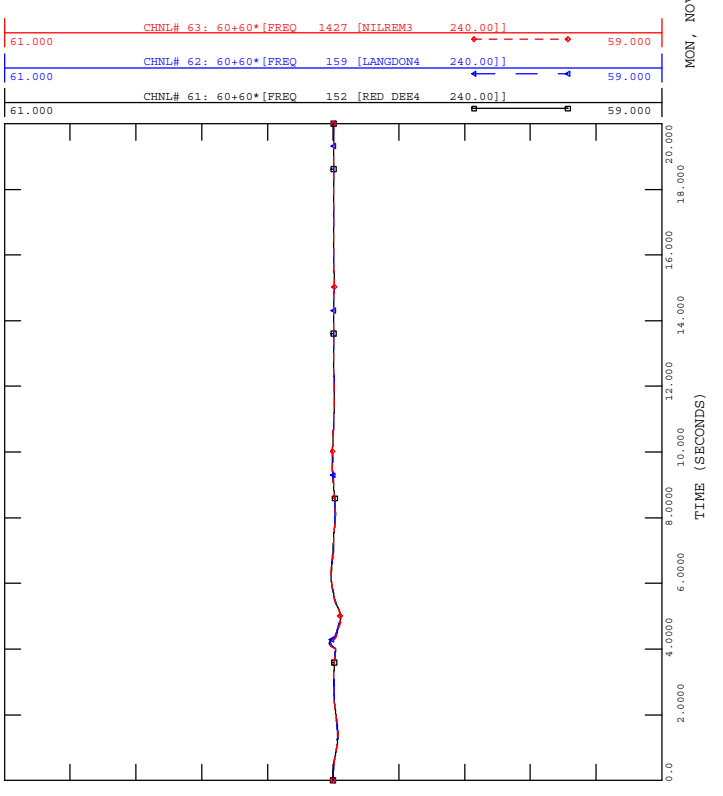
FILE: NEED_2021_WP_CASE05/9L37_S903_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
MACHINE SPEED

NEED_2021_WP_CASE05
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

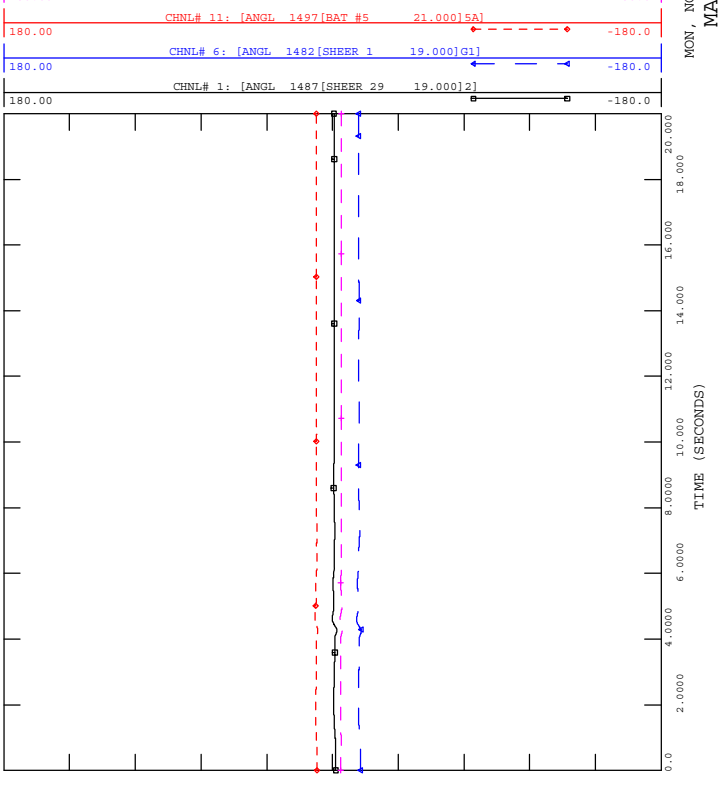
FILE: NEED_2021_WP_CASE05/9L37_S903_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
FREQUENCY

NEED_2021_WP_CASE05
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

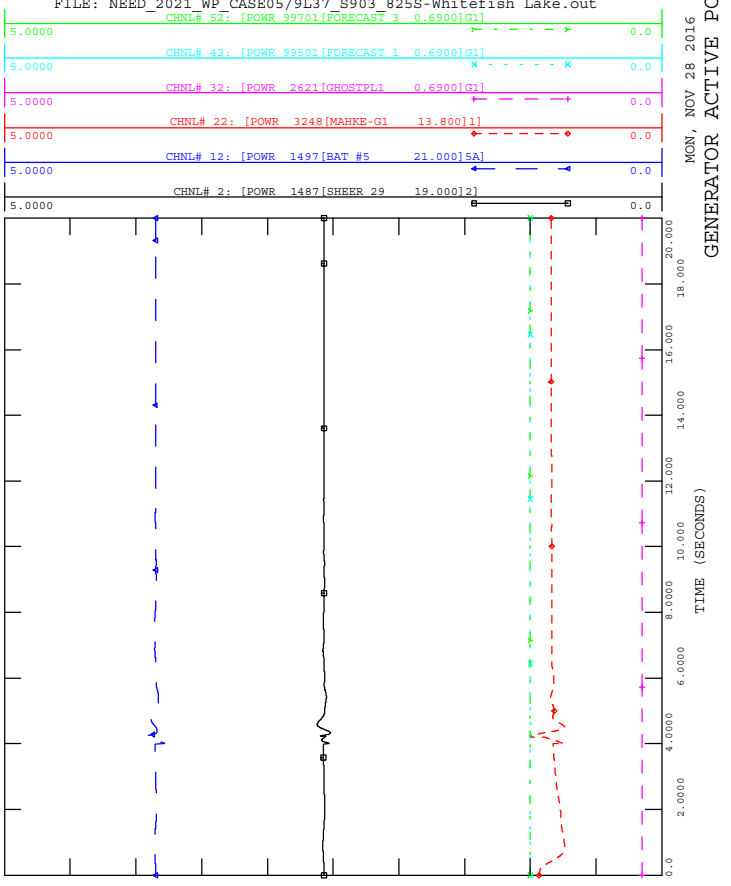
FILE: NEED_2021_WP_CASE05/9L37_S903_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
MACHINE ANGEL

NEED_2021_WP_CASE05
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

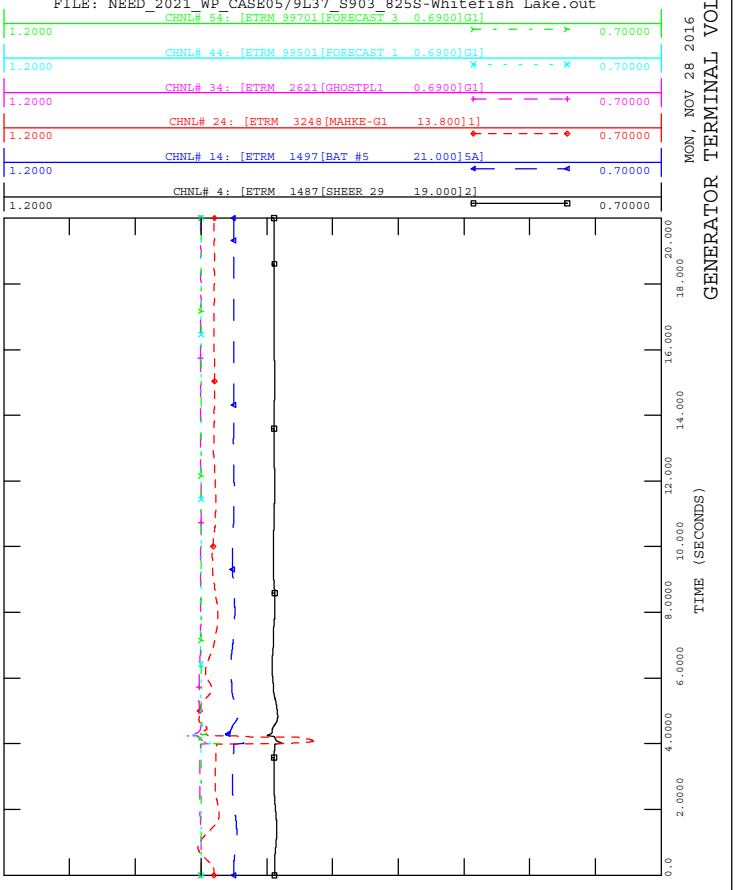
FILE: NEED_2021_WP_CASE05/9L37_S903_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
GENERATOR ACTIVE POWER

NEED_2021_WP_CASE05
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

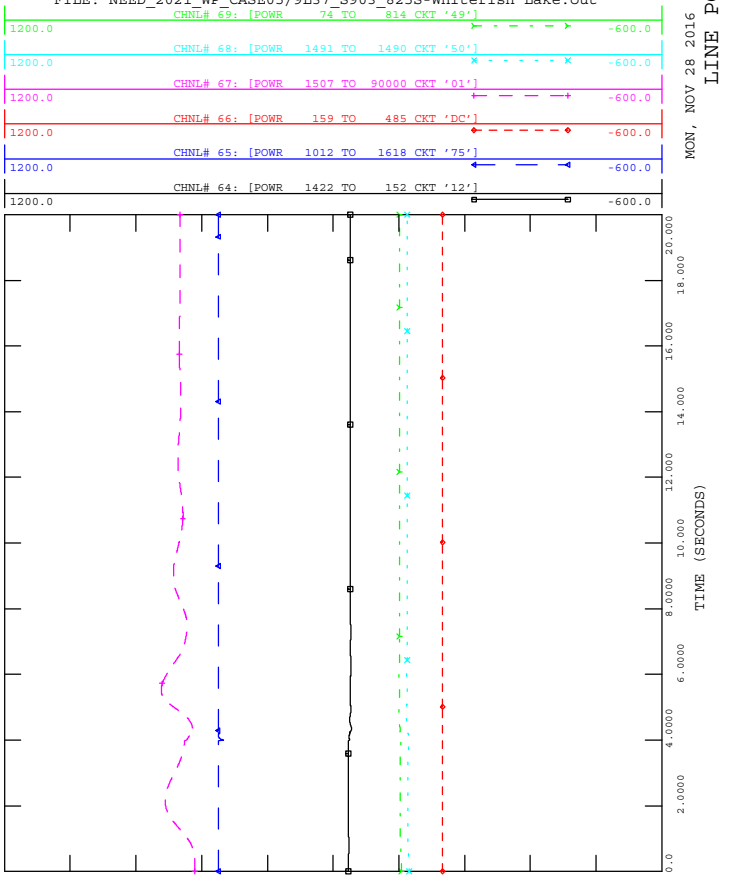
FILE: NEED_2021_WP_CASE05/9L37_S903_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
GENERATOR TERMINAL VOLTAG

NEED_2021_WP_CASE05
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

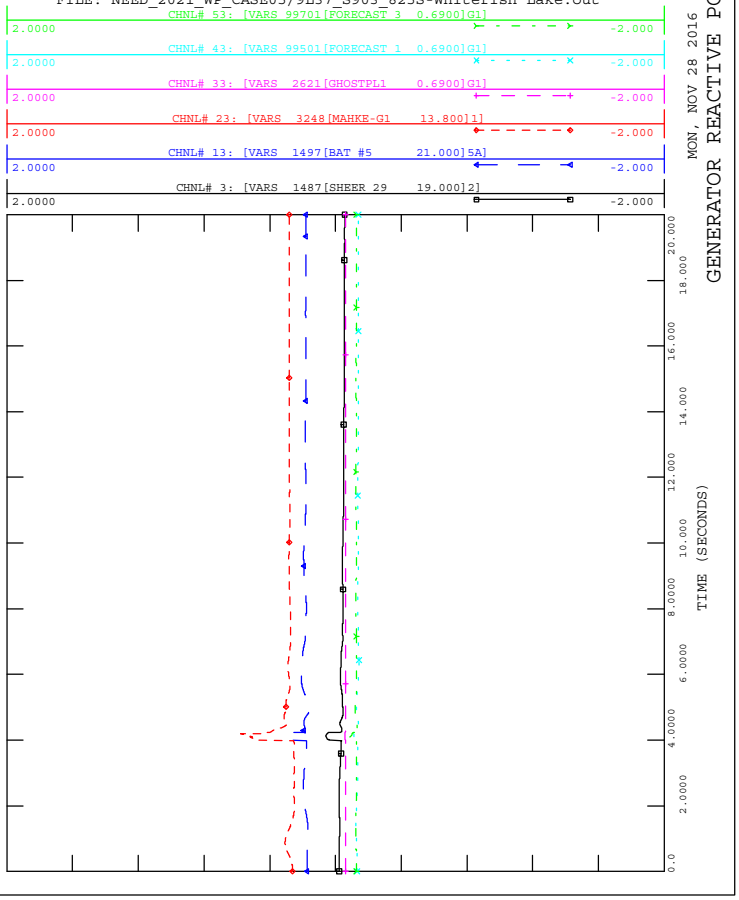
FILE: NEED_2021_WP_CASE05/9L37_S903_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
LINE POWER

NEED_2021_WP_CASE05
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: NEED_2021_WP_CASE05/9L37_S903_825S-Whitefish Lake.out



MON, NOV 28 2016 23:52
GENERATOR REACTIVE POWER

Transient Stability Analysis Plots

Alternative 1-138 kV Plan

2021 Summer Light

Category A (No contingency, No Fault)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATA

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW.out

TUE, DEC 06 2016 20:45

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATA

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW.out

TUE, DEC 06 2016 20:45

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATA

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW.out

TUE, DEC 06 2016 20:45

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATA

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW.out

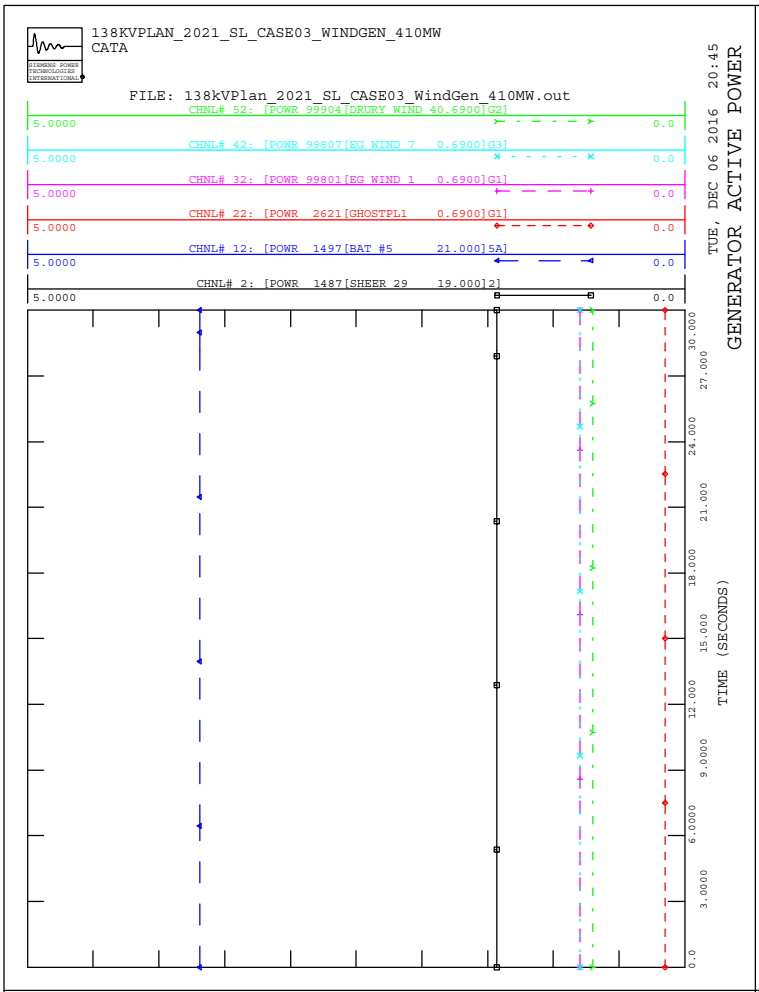
TUE, DEC 06 2016 20:45

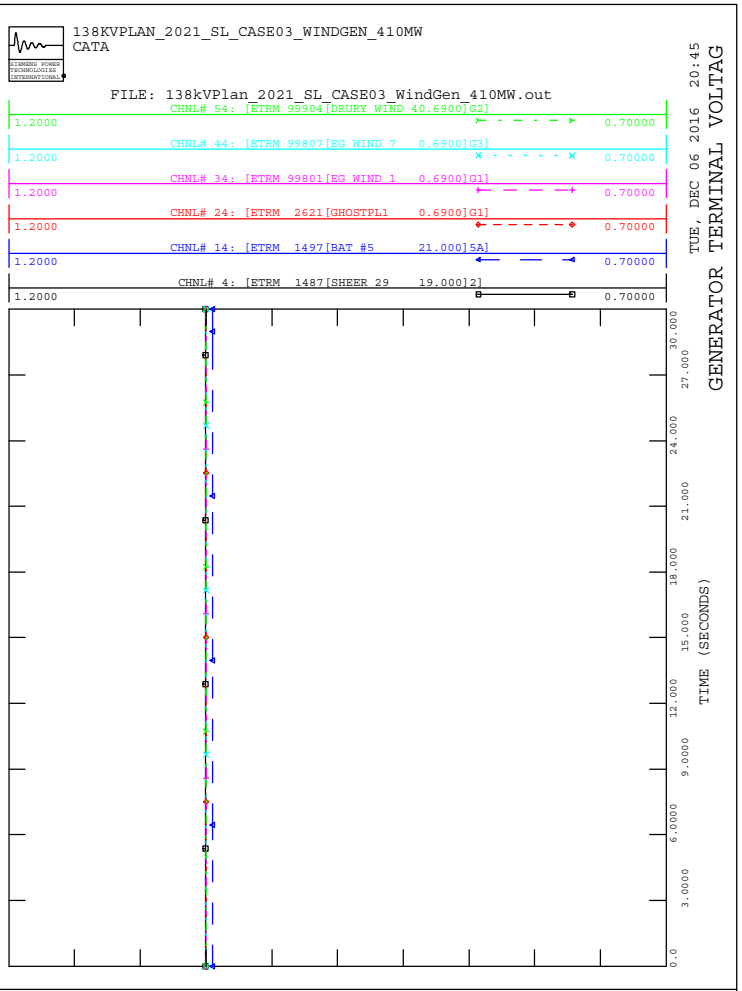
MACHINE ANGLE

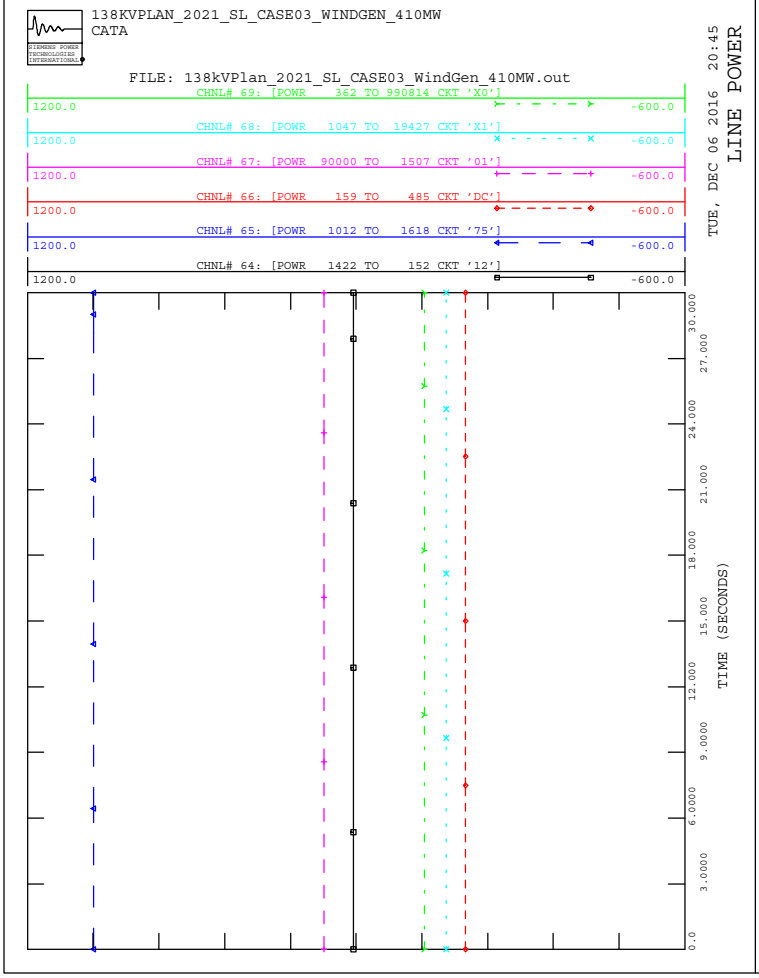
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

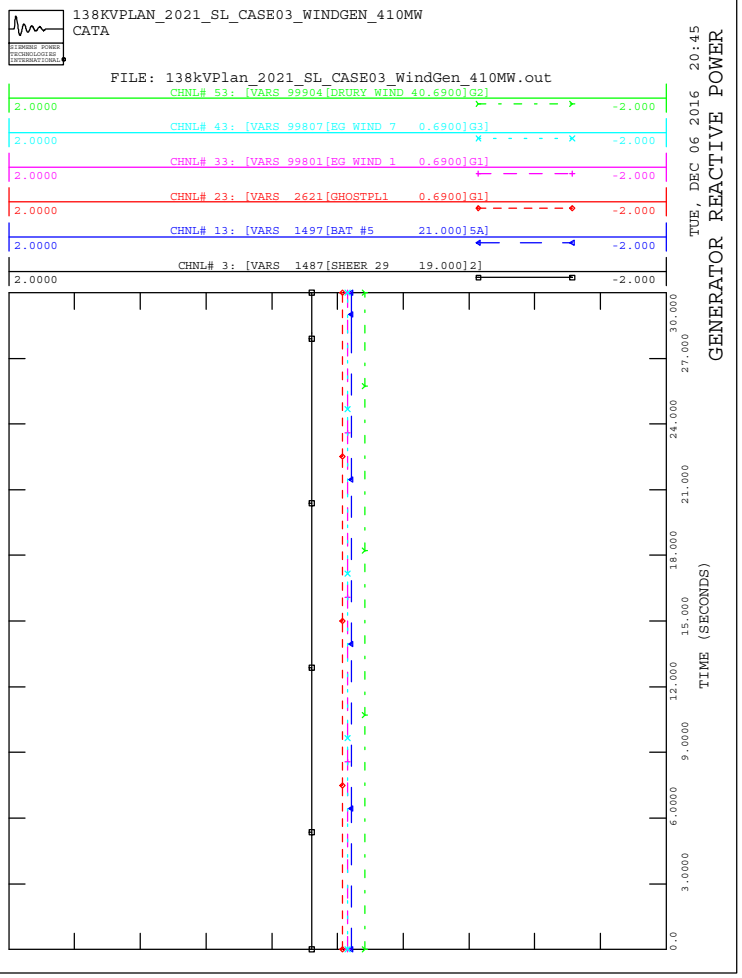
0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATA
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 20:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATA
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 20:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATA
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 20:45
LINE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

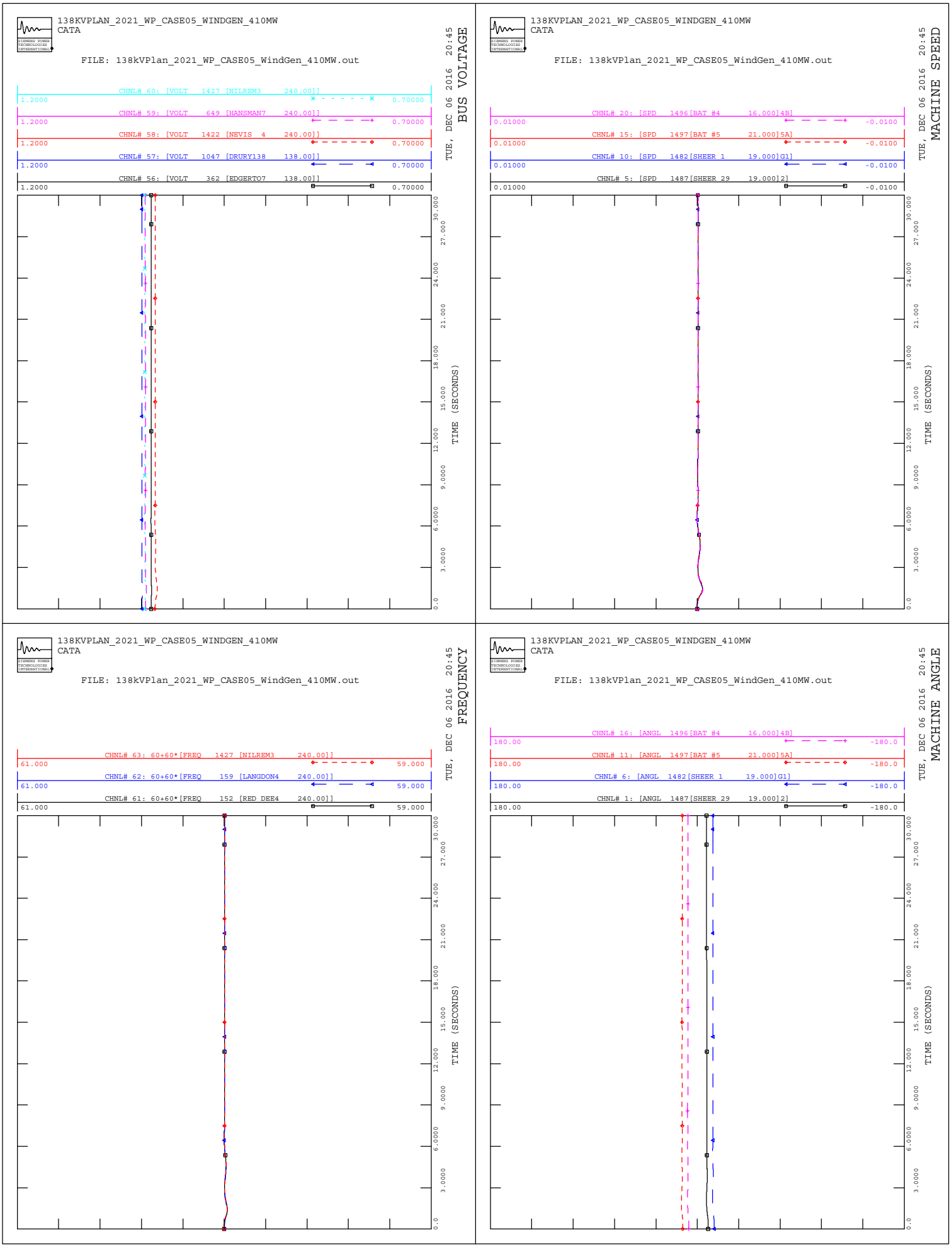

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATA
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 20:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

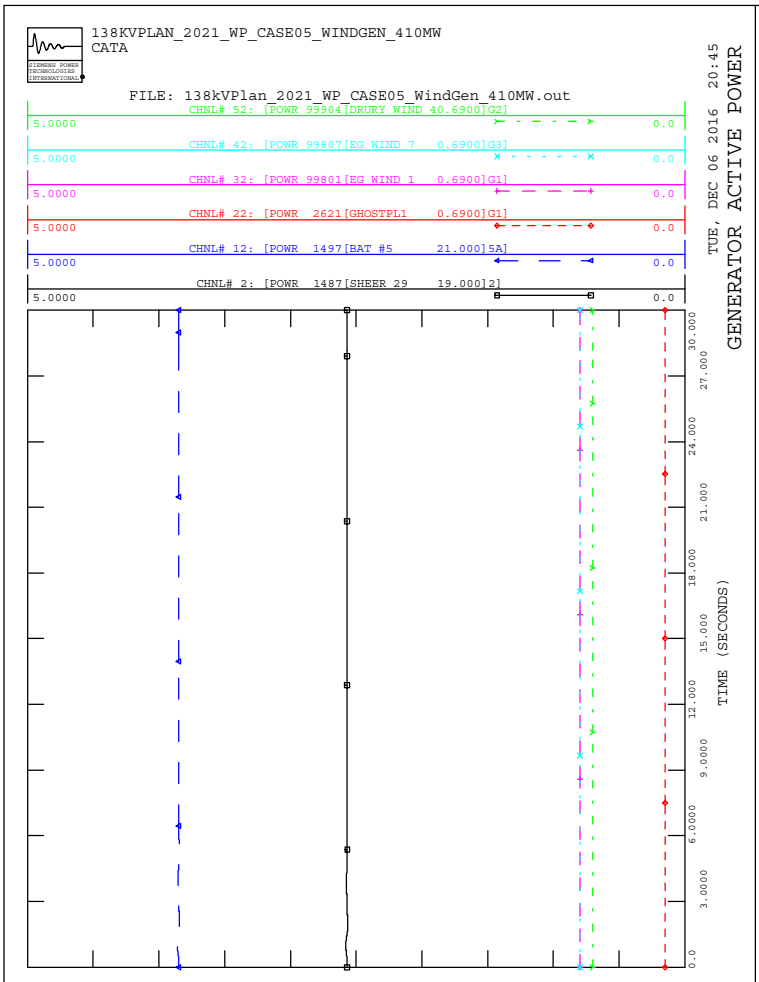
Transient Stability Analysis Plots

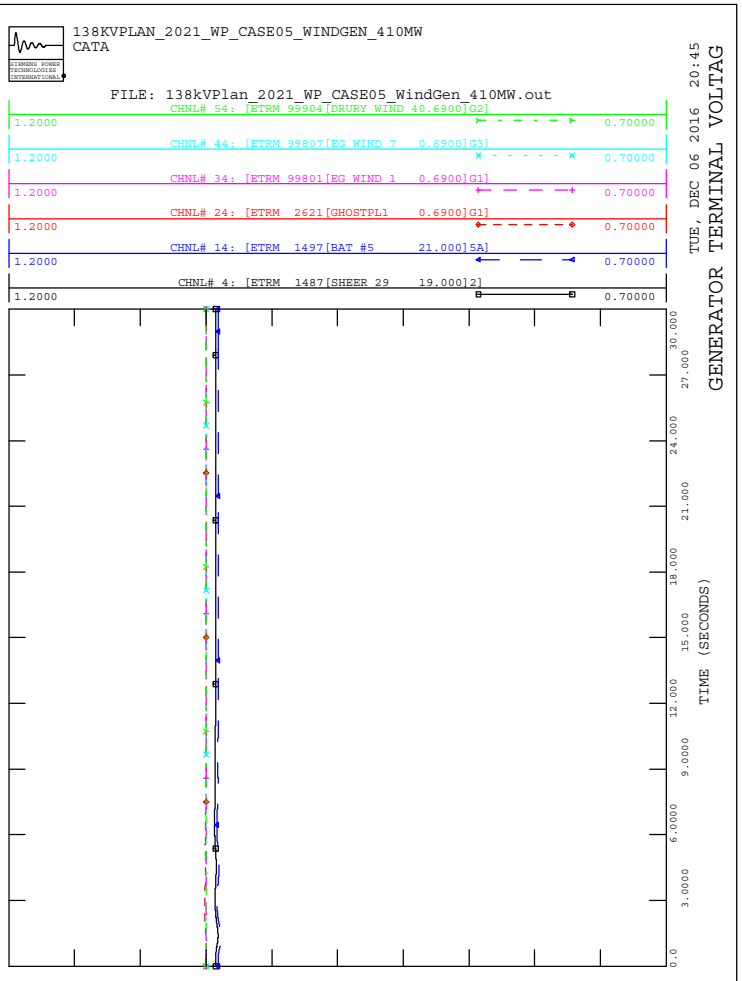
Alternative 1-138 kV Plan

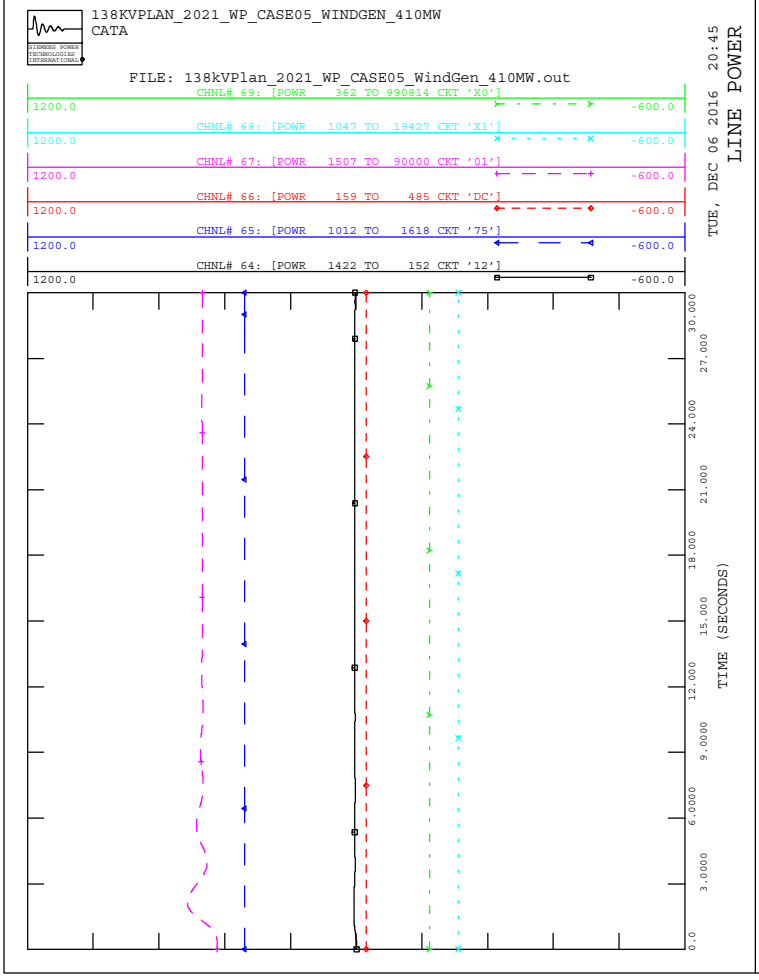
2021 Winter Peak

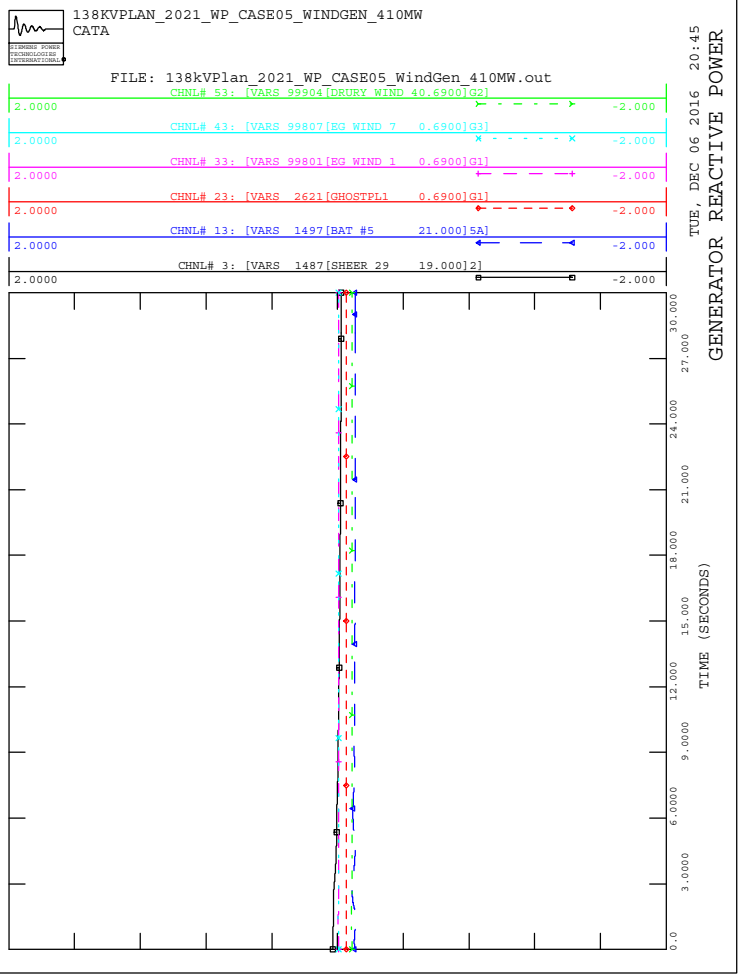
Category A (No contingency, No Fault)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATA
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW.out
TUE, DEC 06 2016 20:45
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATA
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW.out
TUE, DEC 06 2016 20:45
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATA
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW.out
TUE, DEC 06 2016 20:45
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATA
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW.out
TUE, DEC 06 2016 20:45
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATA
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 20:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATA
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 20:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATA
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 20:45
LINE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATA
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 20:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
3.0000
6.0000
9.0000
12.000
15.000
18.000
21.000
24.000
27.000
30.000

Transient Stability Analysis Plots

Alternative 1-138 kV Plan

2021 Summer Light

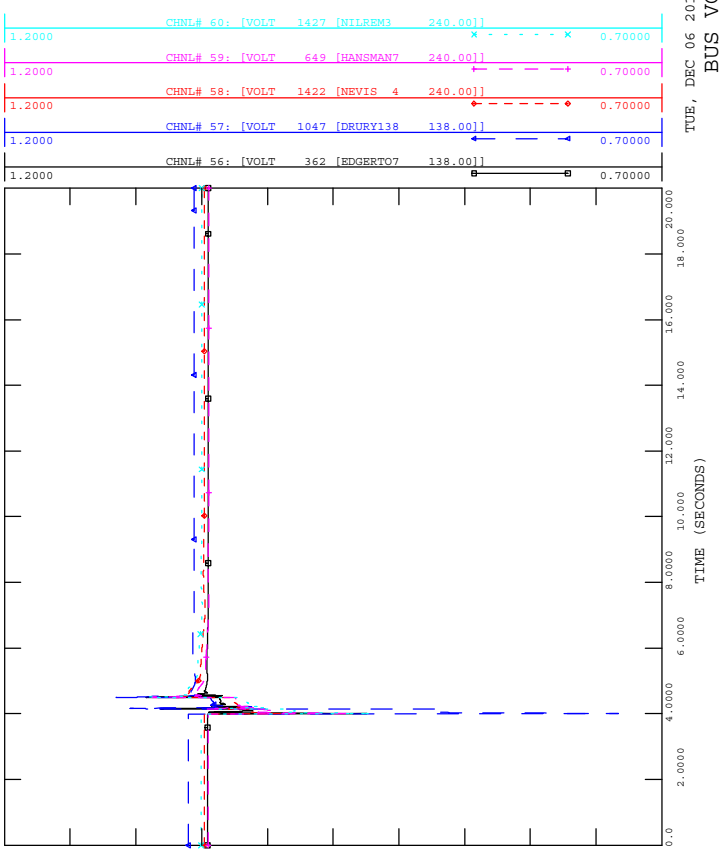
Category B (Three-phase-to-ground Fault)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3

TUE, DEC 06 2016 21:05

BUS VOLTAGE

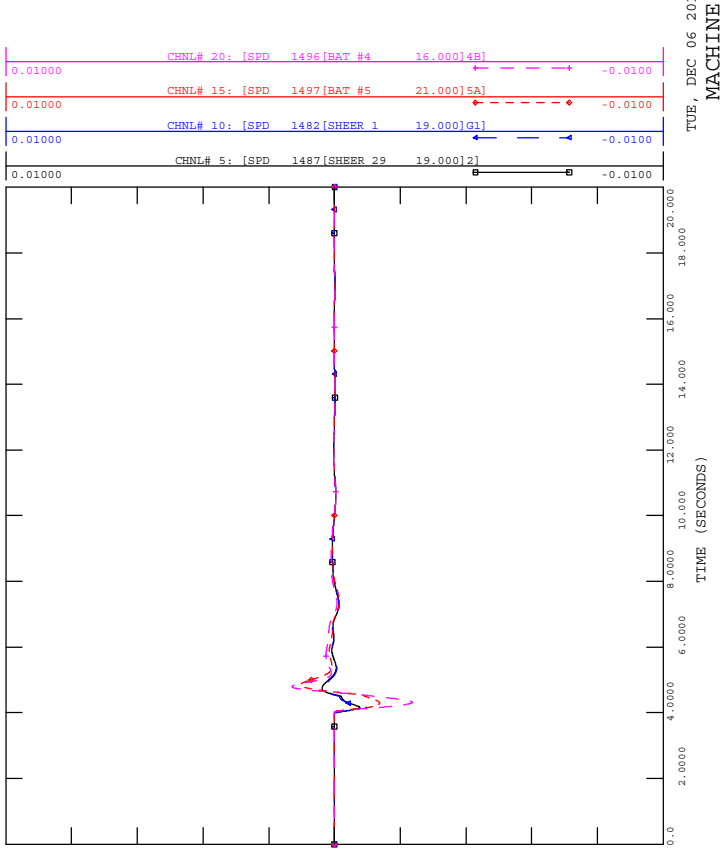


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3

TUE, DEC 06 2016 21:05

MACHINE SPEED

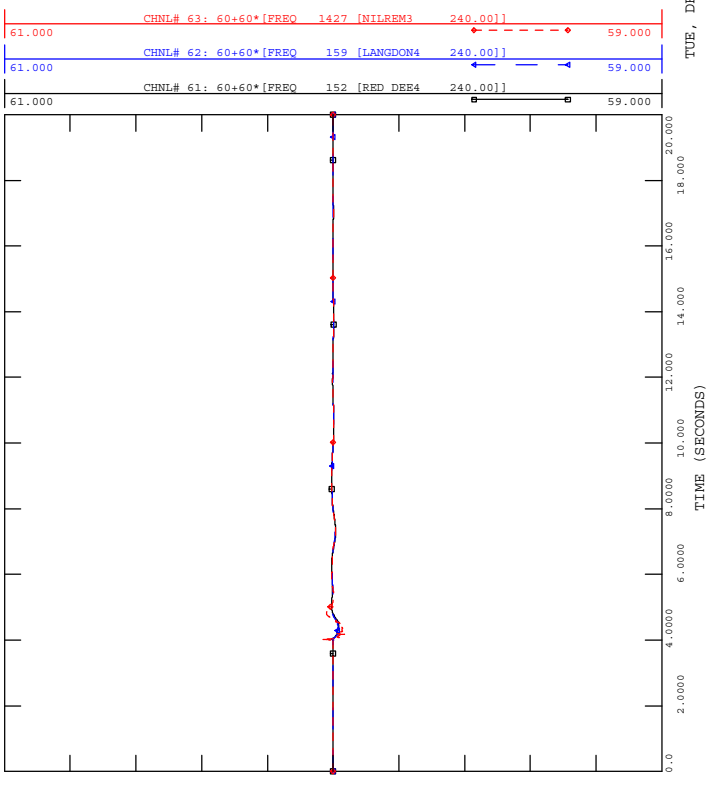


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3

TUE, DEC 06 2016 21:05

FREQUENCY

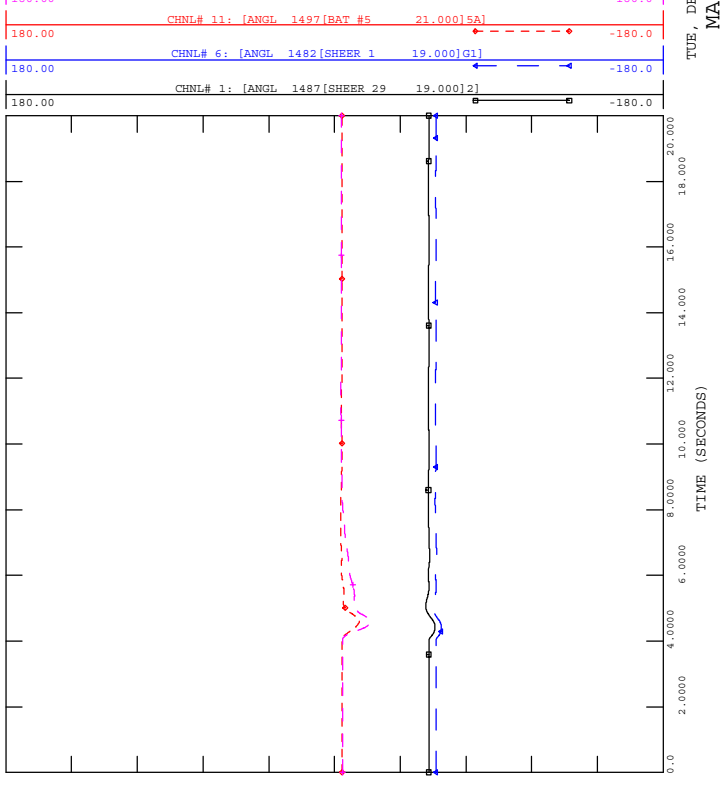


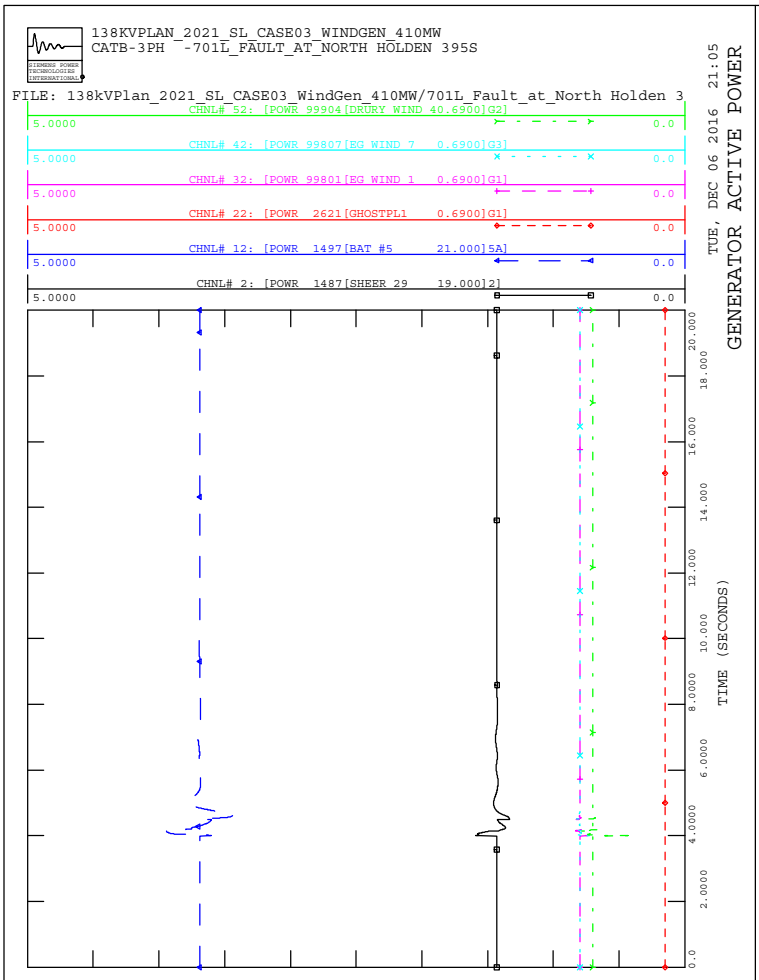
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

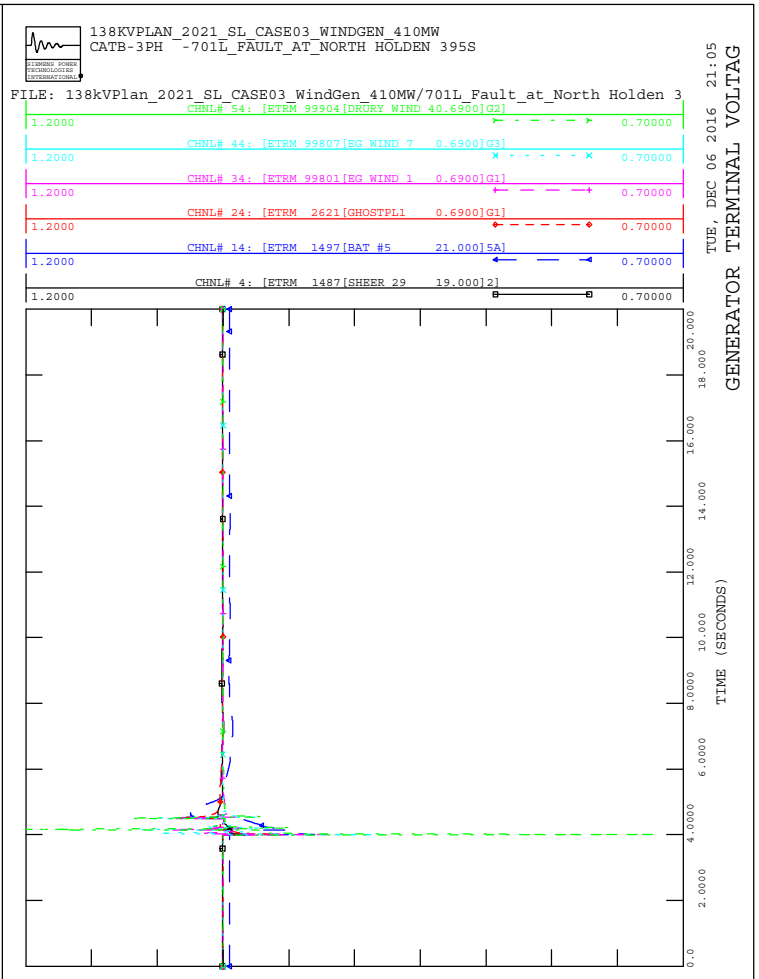
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3

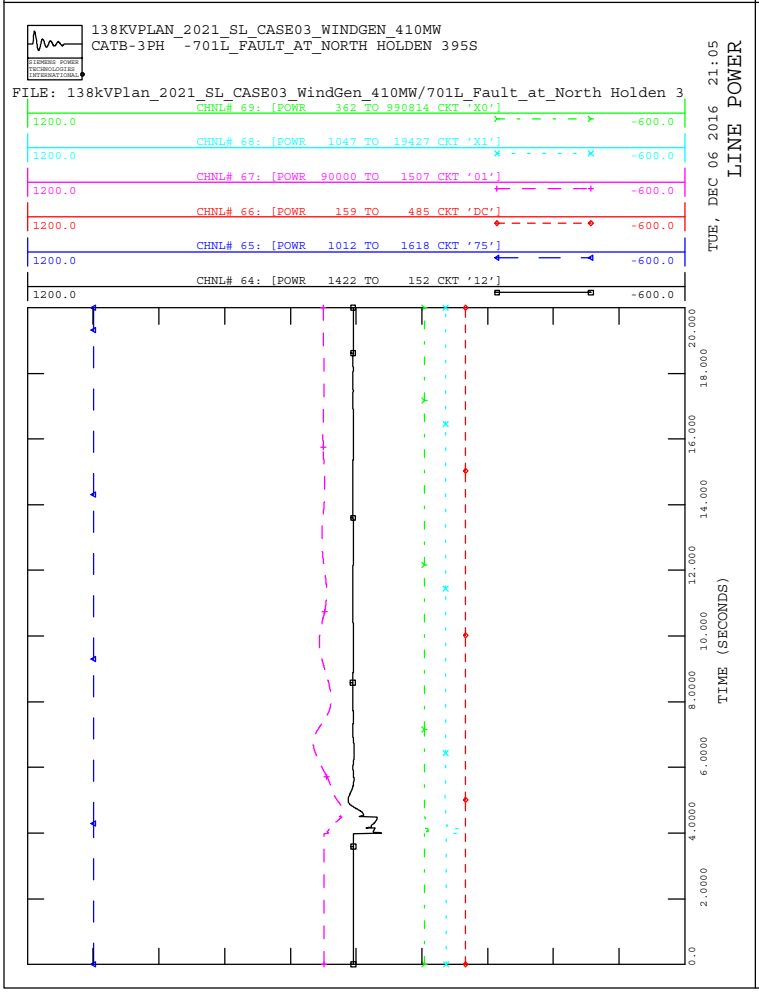
TUE, DEC 06 2016 21:05

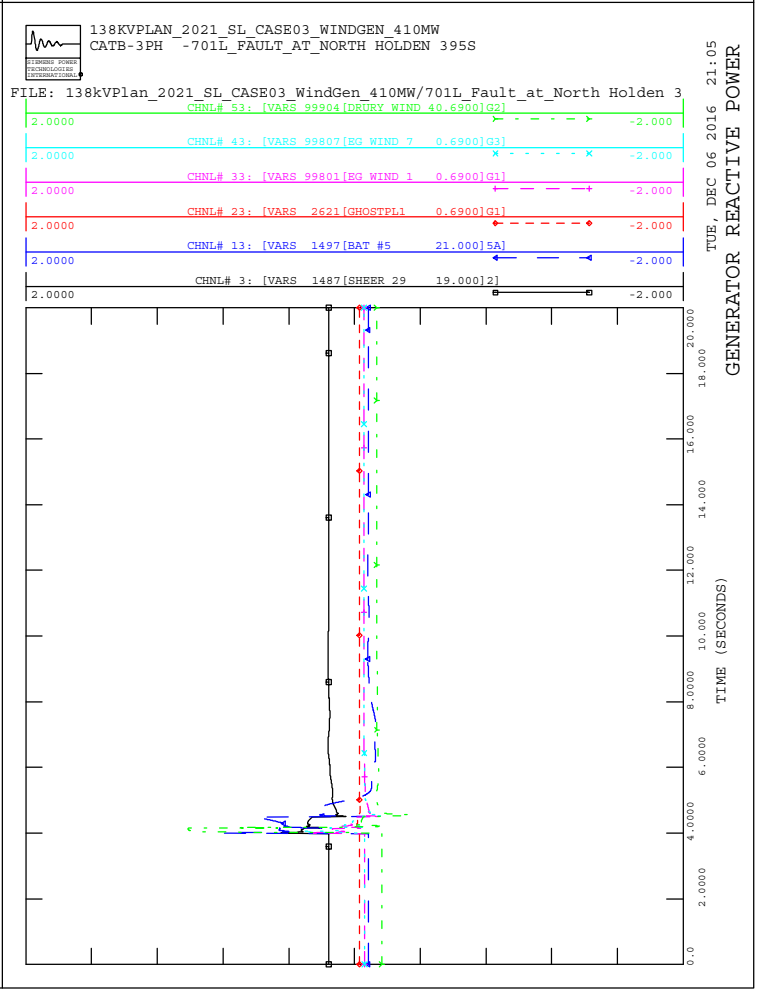
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

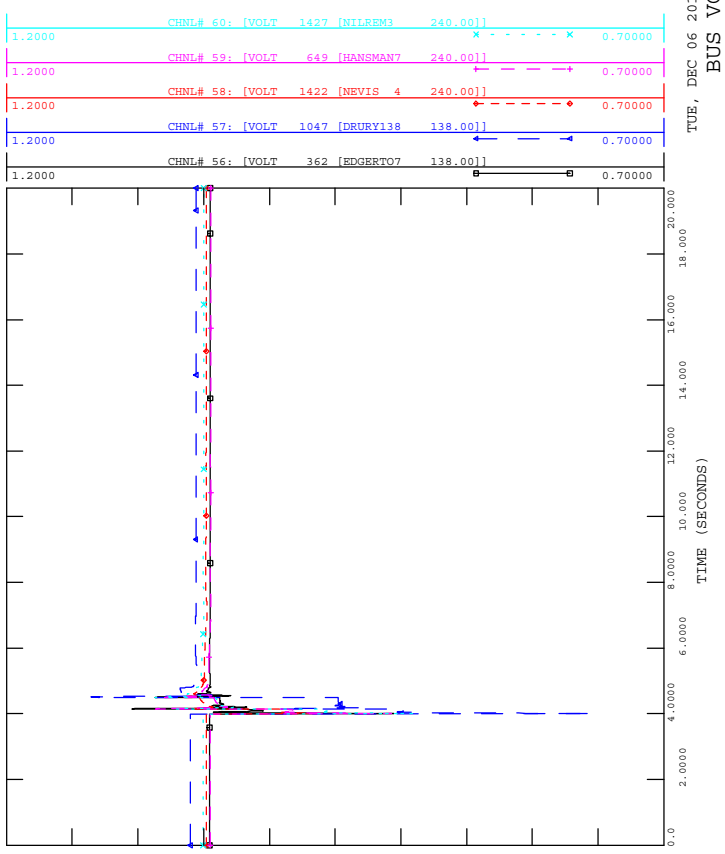

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou

TUE, DEC 06 2016 21:05

BUS VOLTAGE

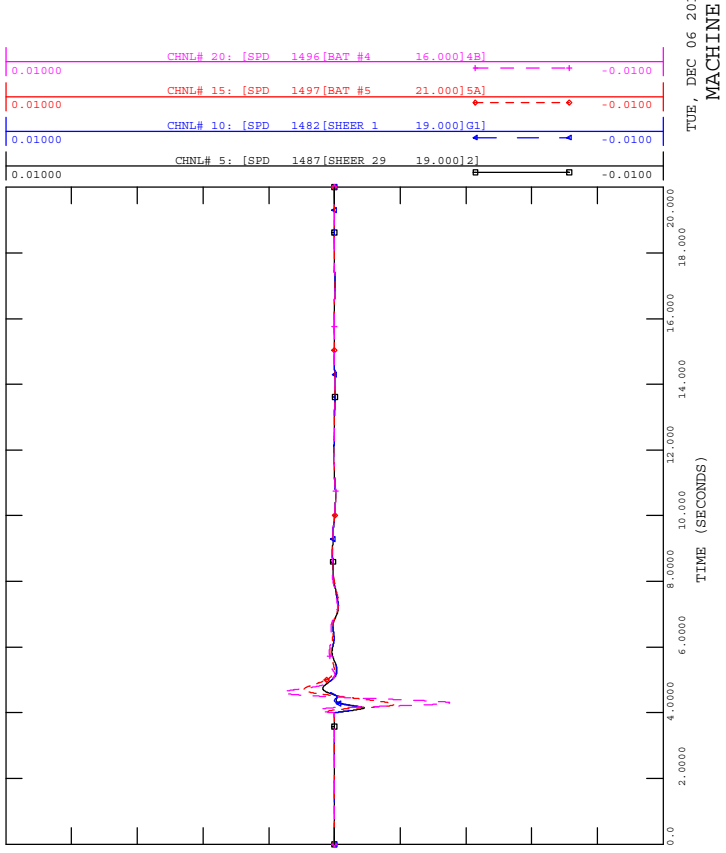


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou

TUE, DEC 06 2016 21:05

MACHINE SPEED

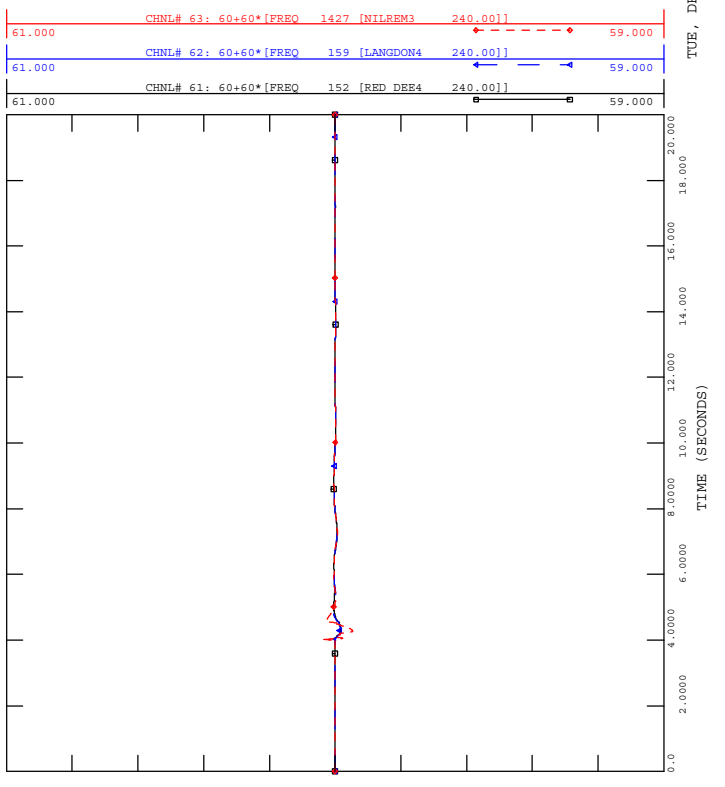


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou

TUE, DEC 06 2016 21:05

FREQUENCY

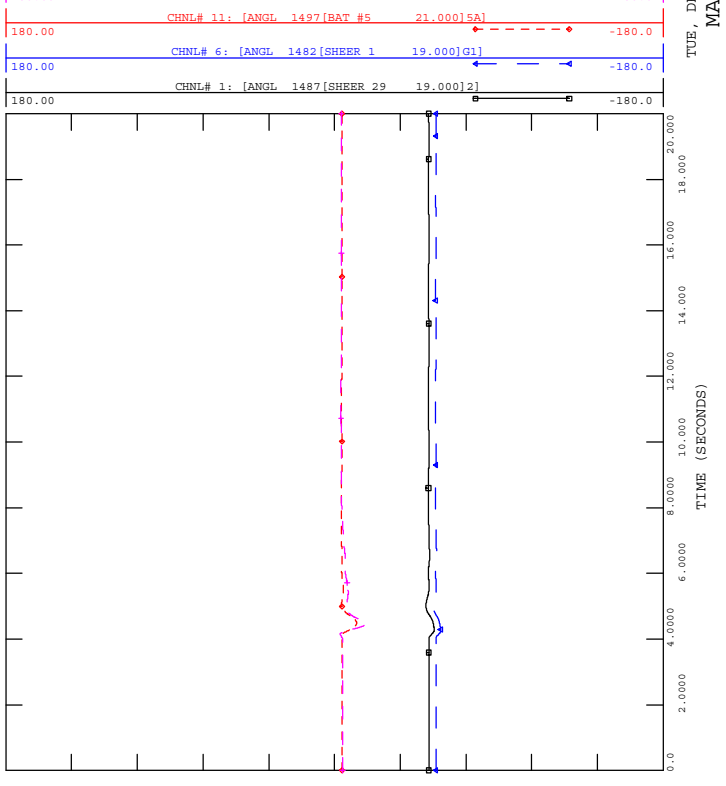


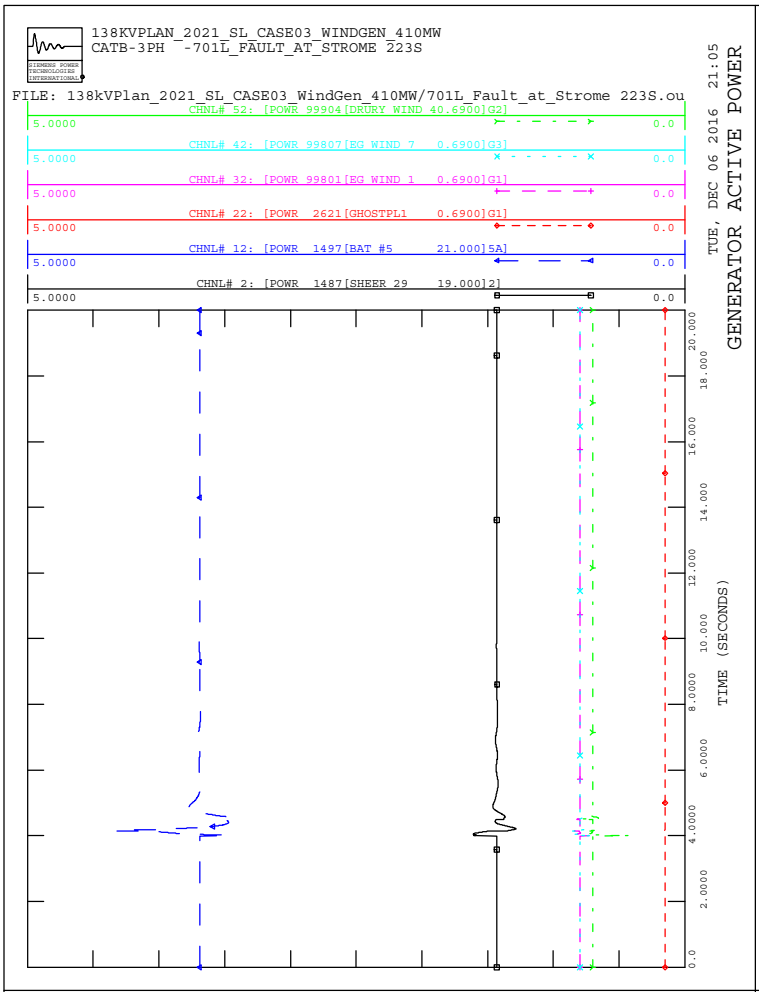
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S

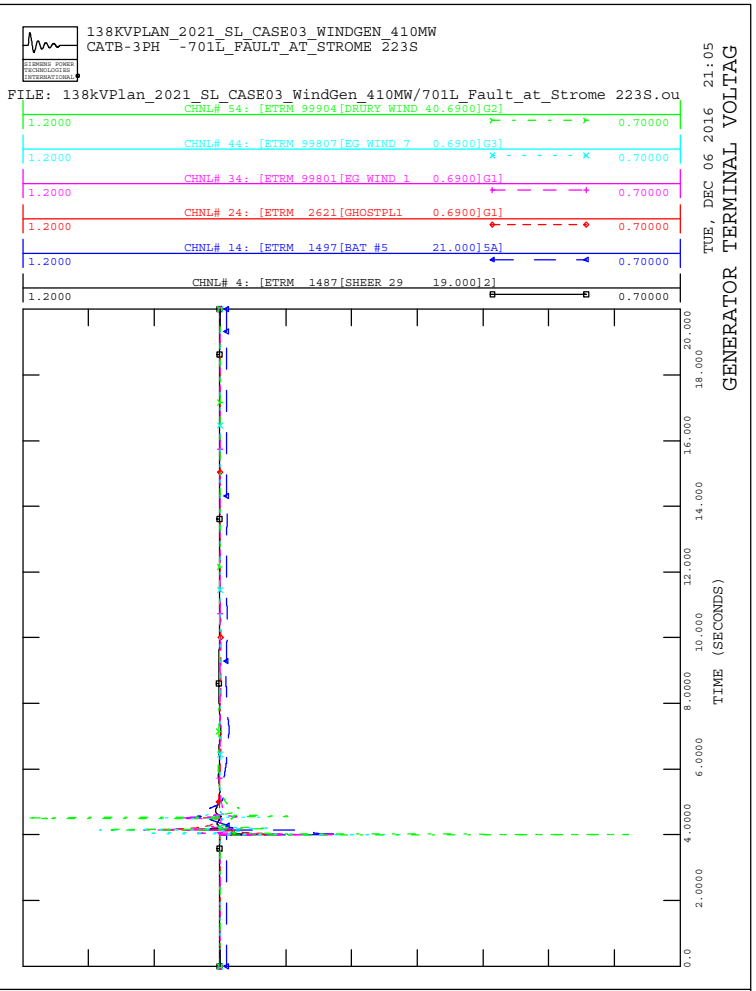
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou

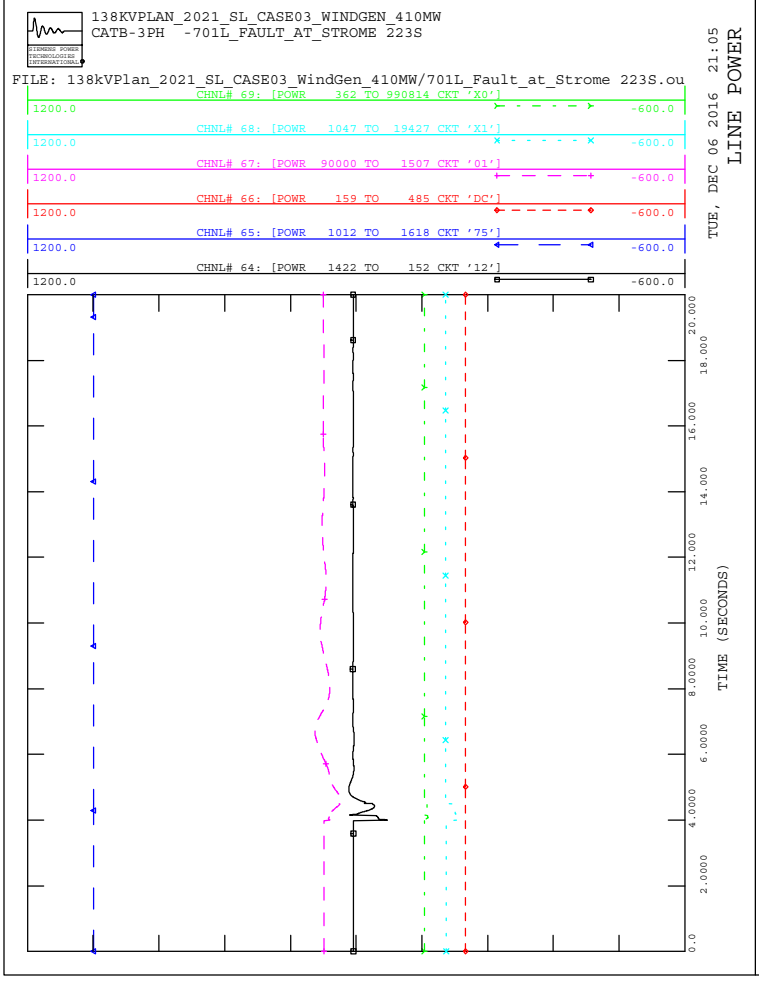
TUE, DEC 06 2016 21:05

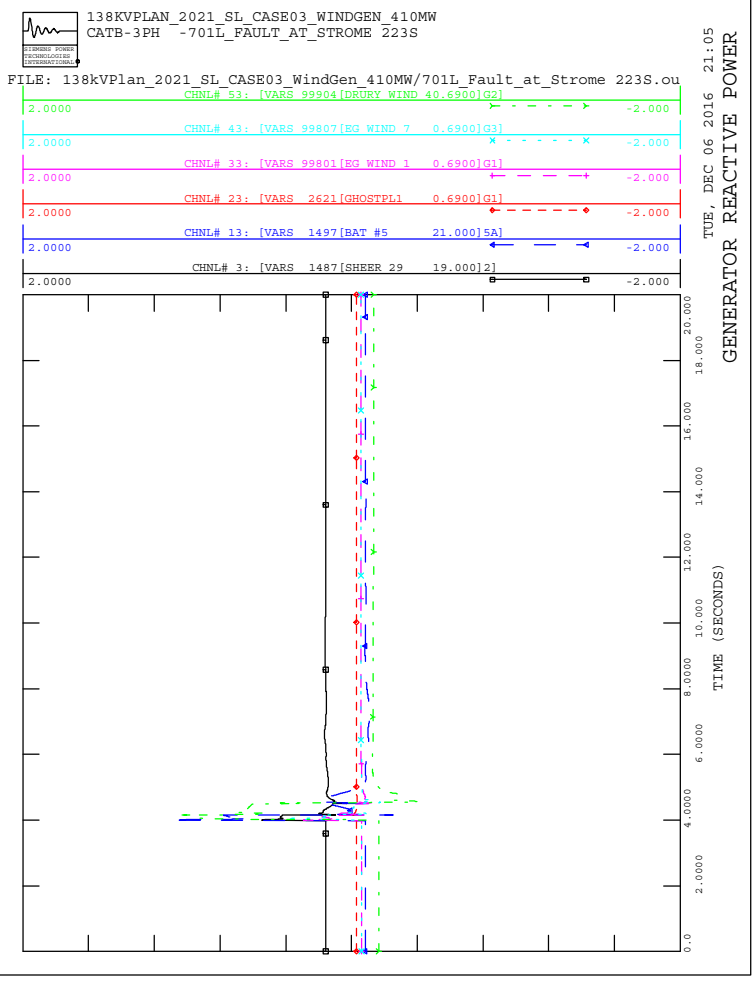
MACHINE ANGLE

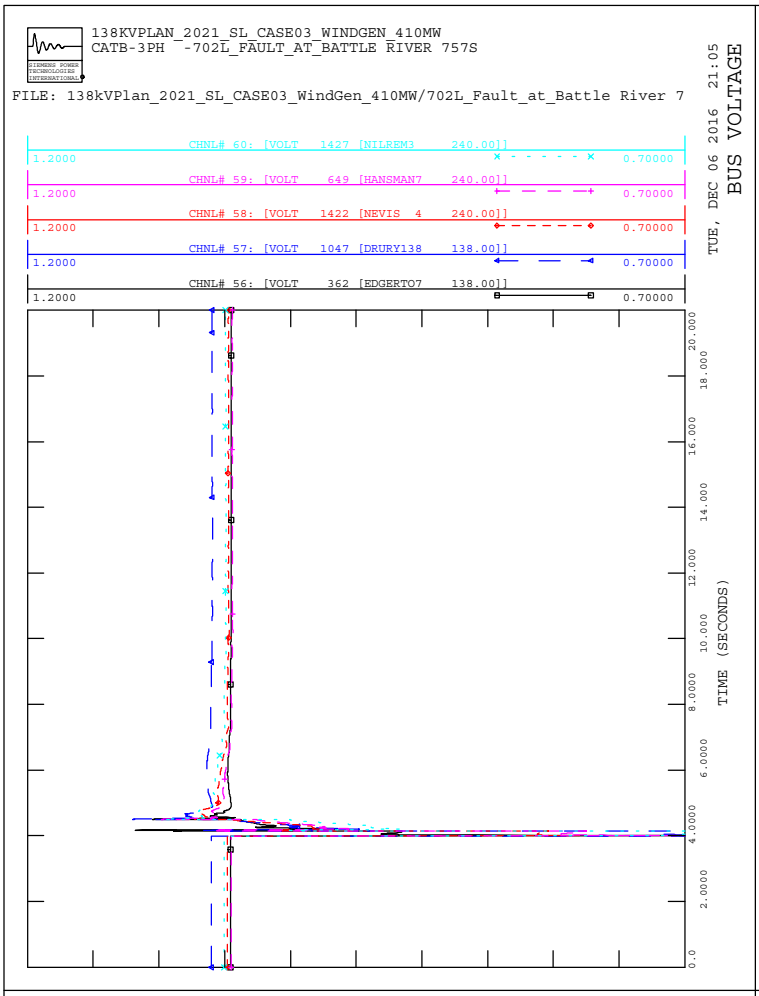


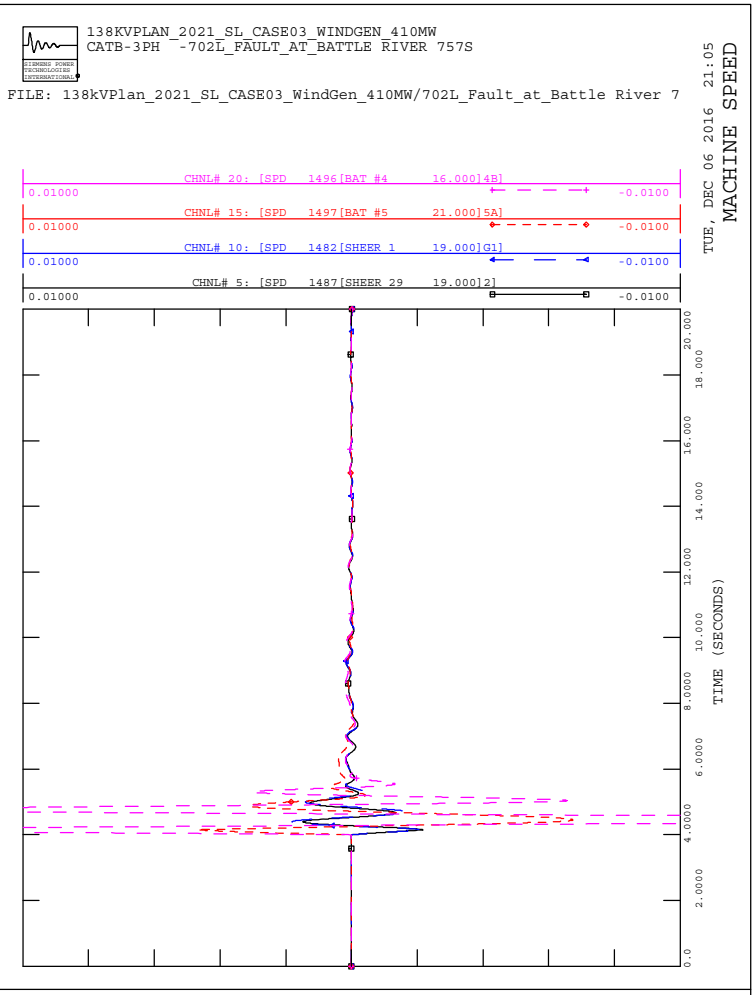

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)

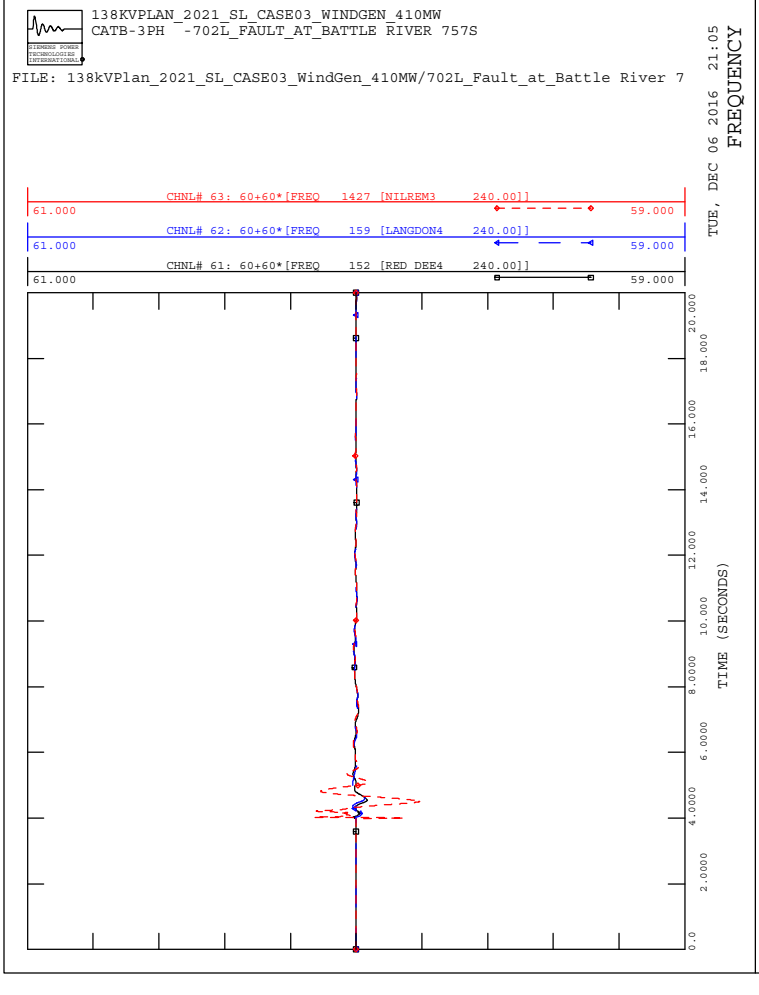

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7
TUE, DEC 06 2016 21:05
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7
TUE, DEC 06 2016 21:05
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7
TUE, DEC 06 2016 21:05
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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4.0000
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8.0000
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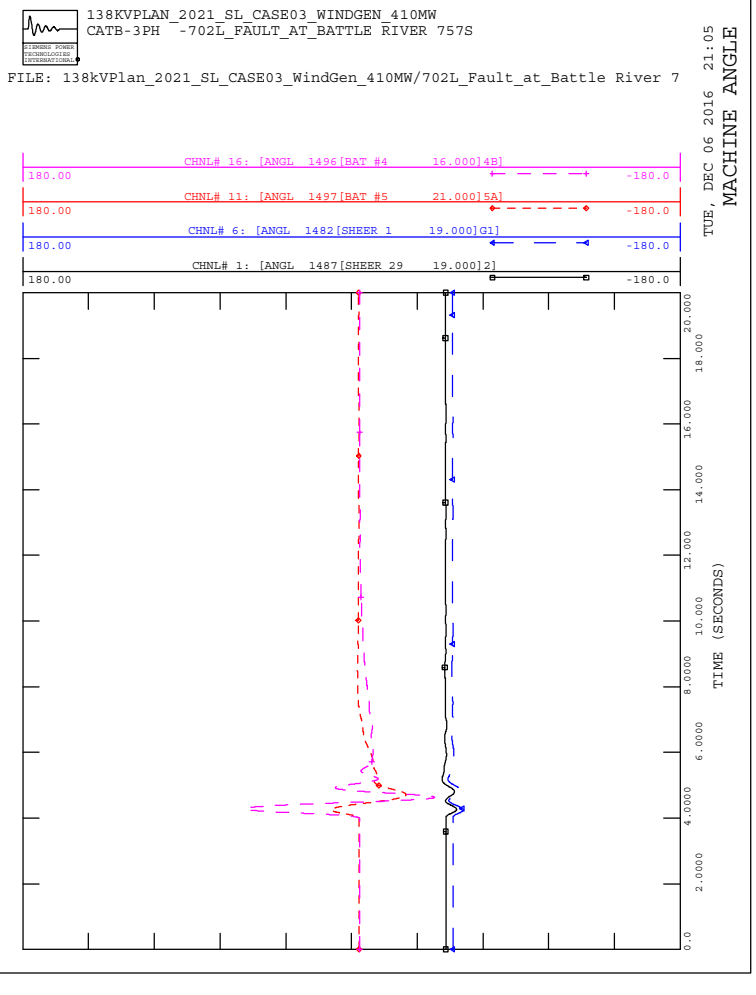
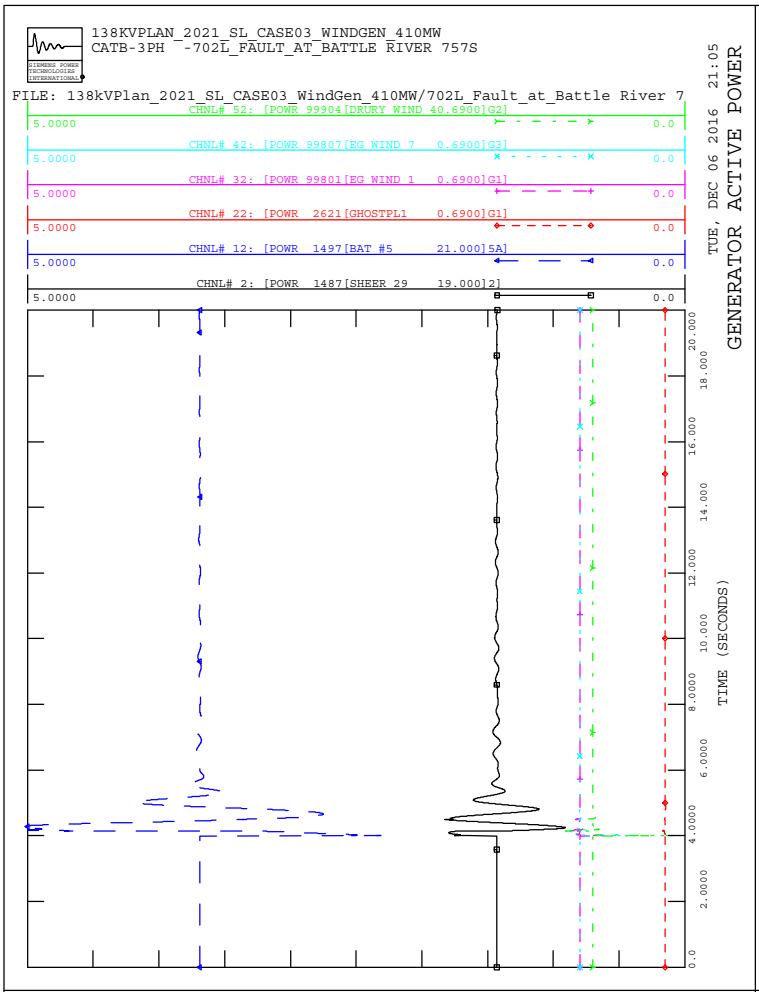
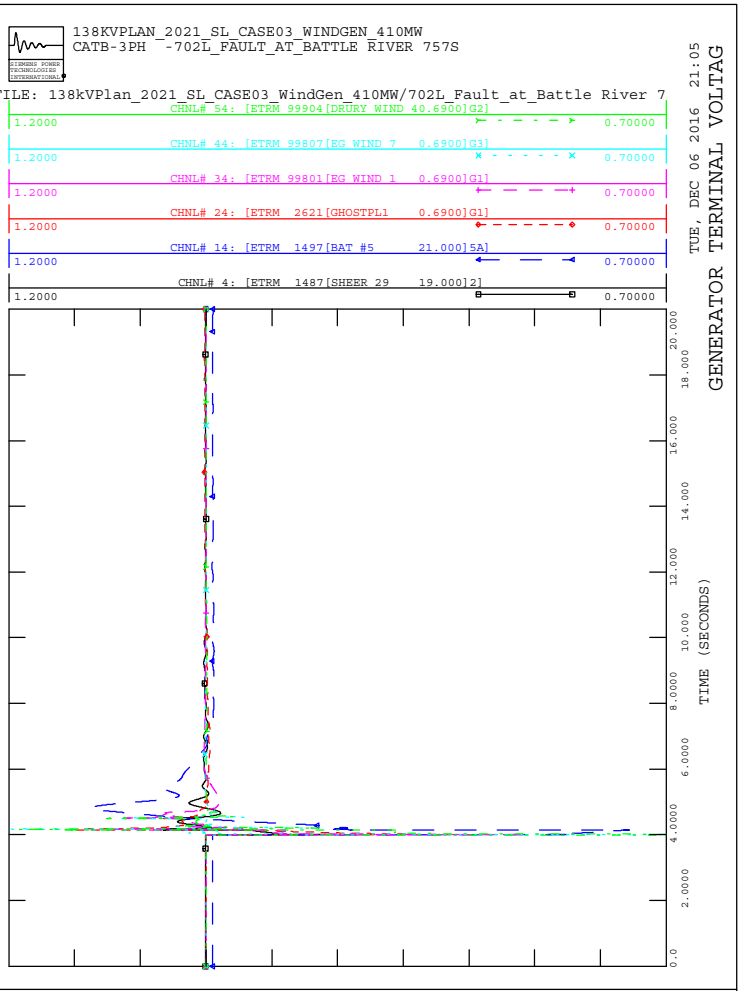
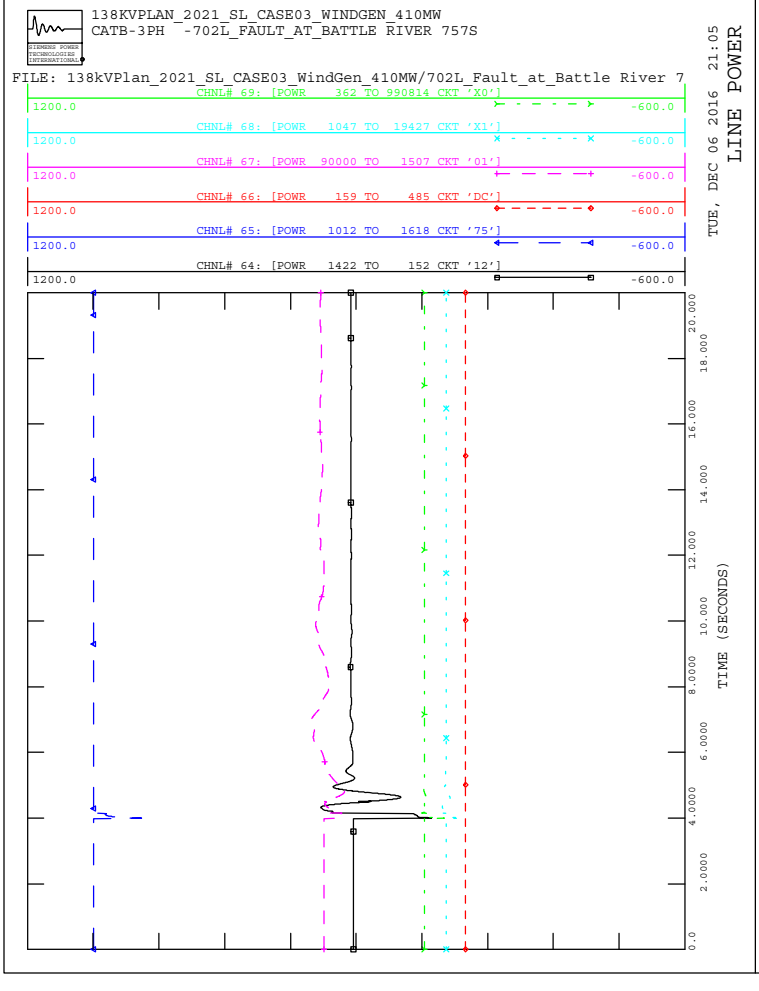
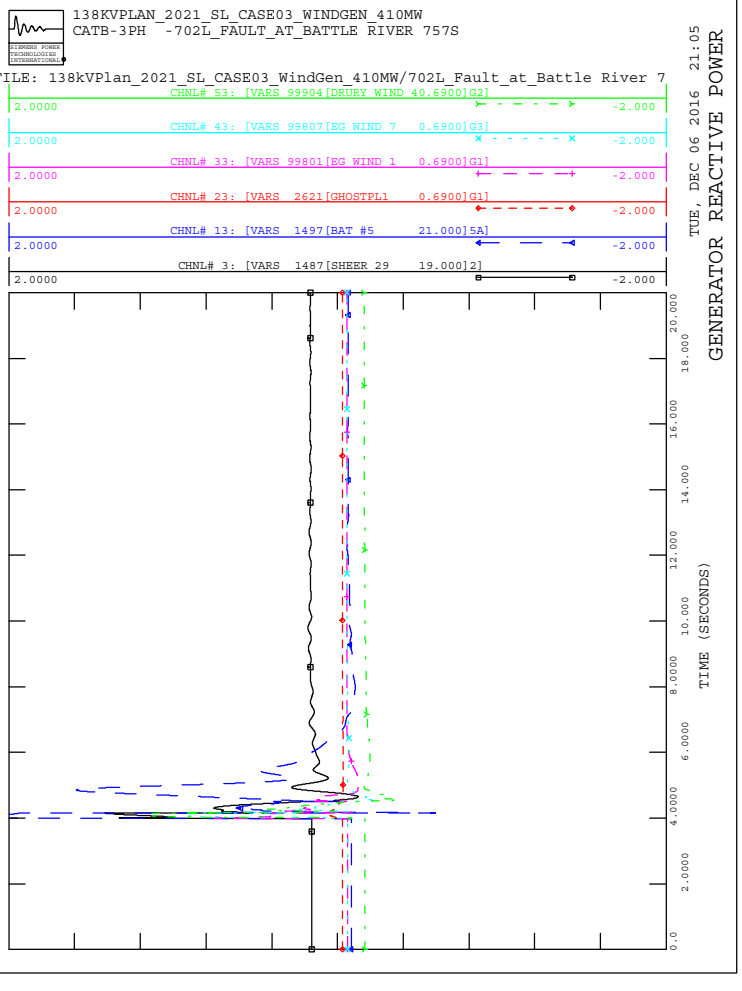
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7
TUE, DEC 06 2016 21:05
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

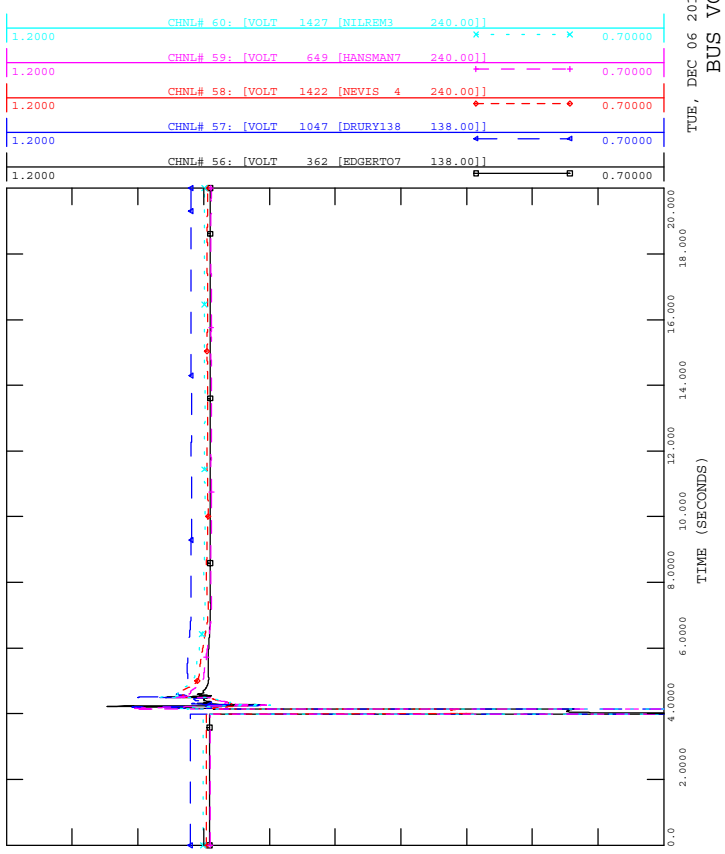

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:05

BUS VOLTAGE

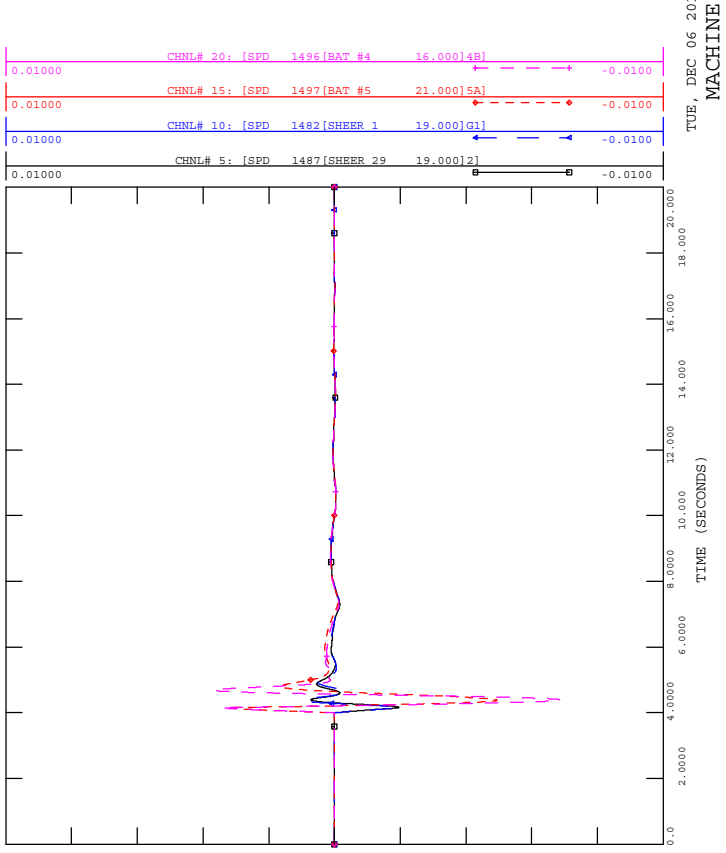


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:05

MACHINE SPEED

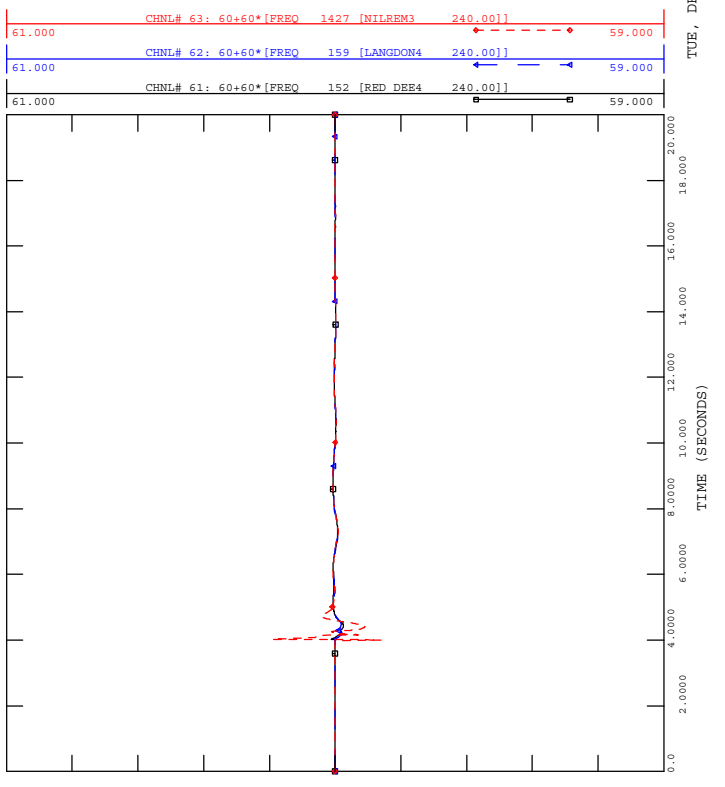


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:05

FREQUENCY

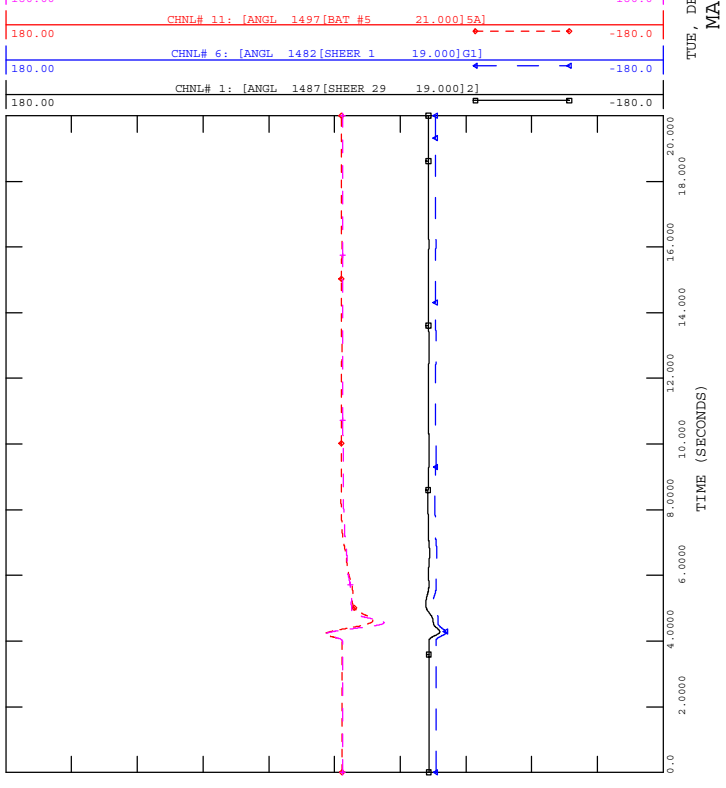


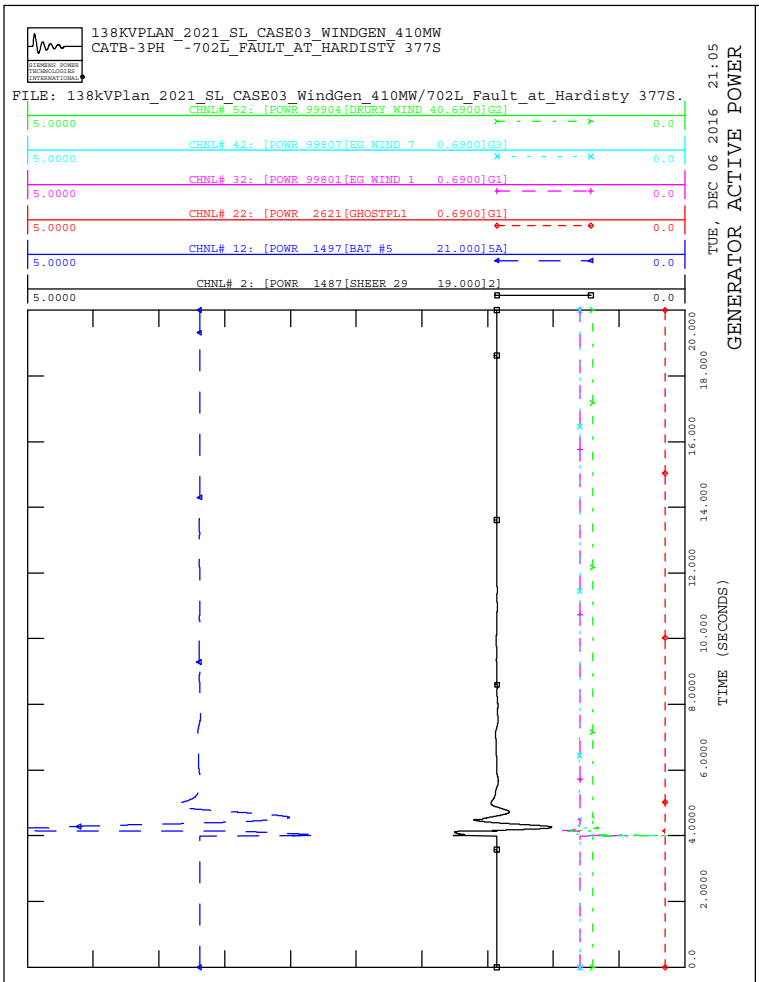
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

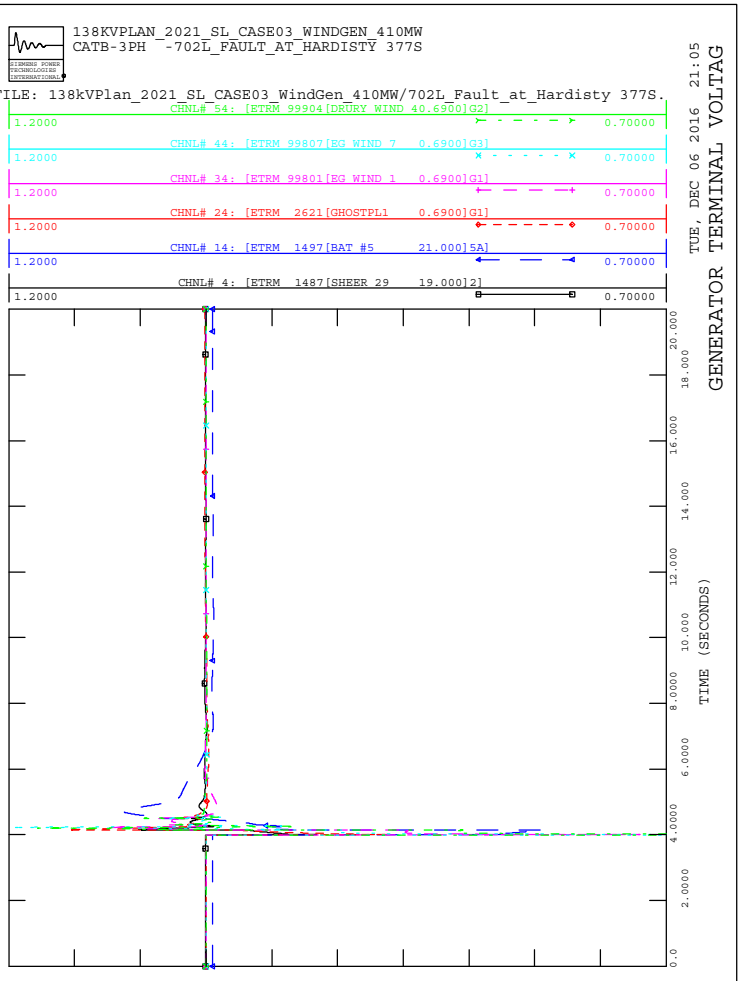
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.

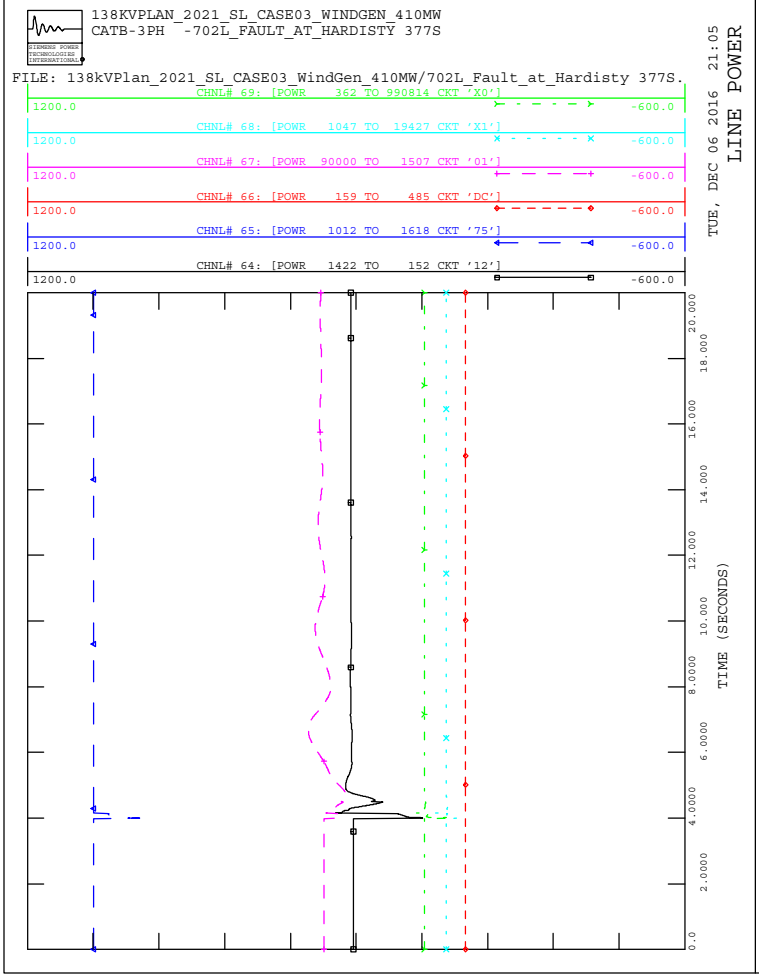
TUE, DEC 06 2016 21:05

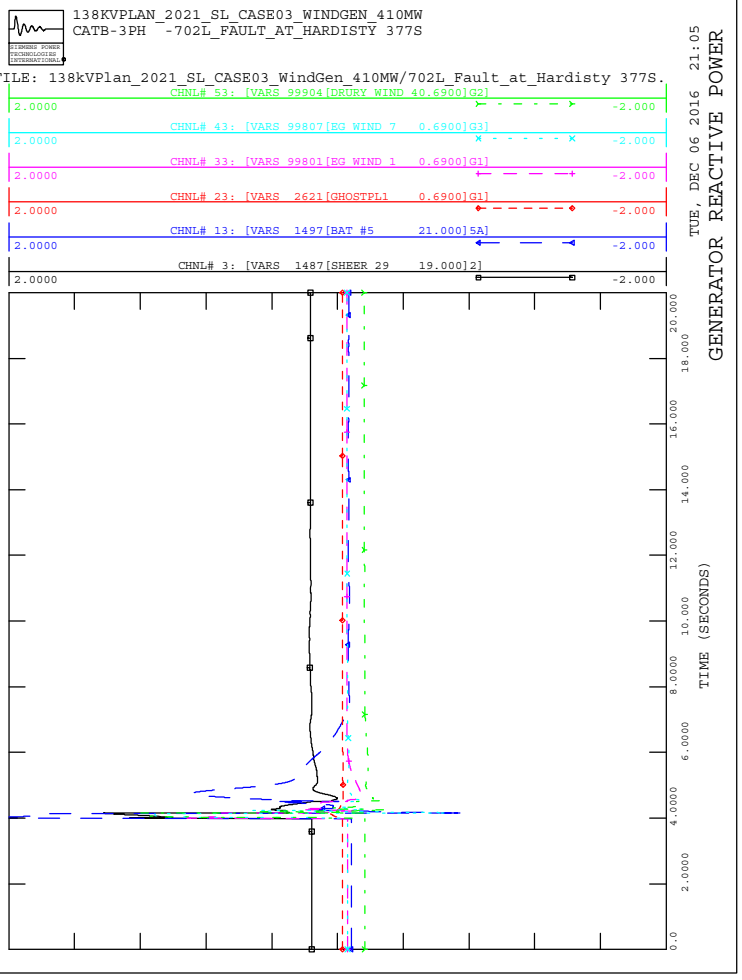
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

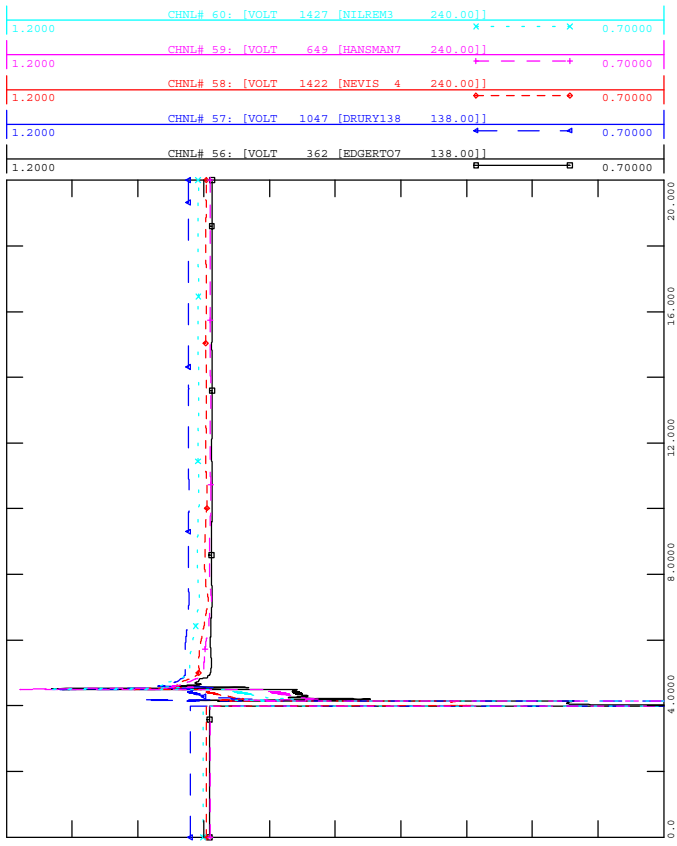

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:05

BUS VOLTAGE

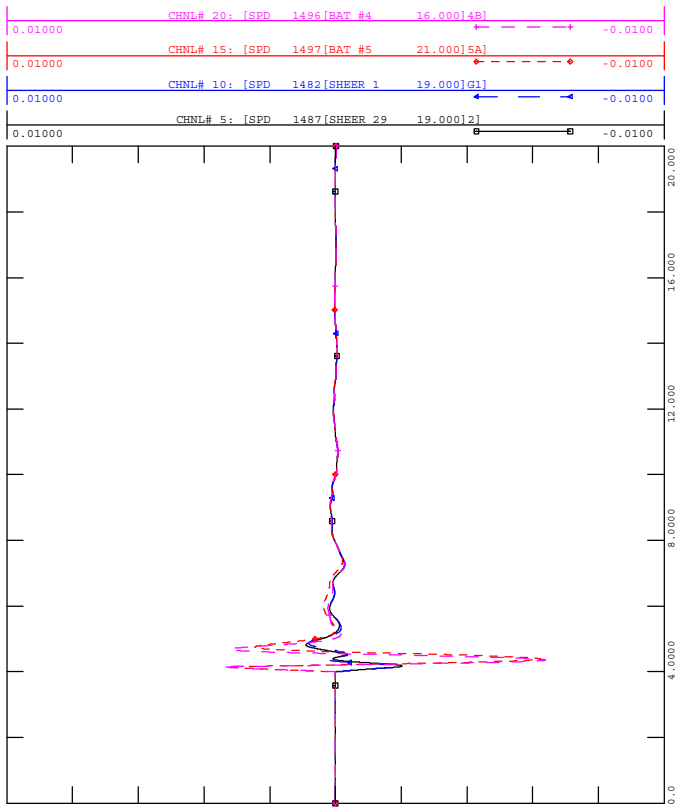


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:05

MACHINE SPEED

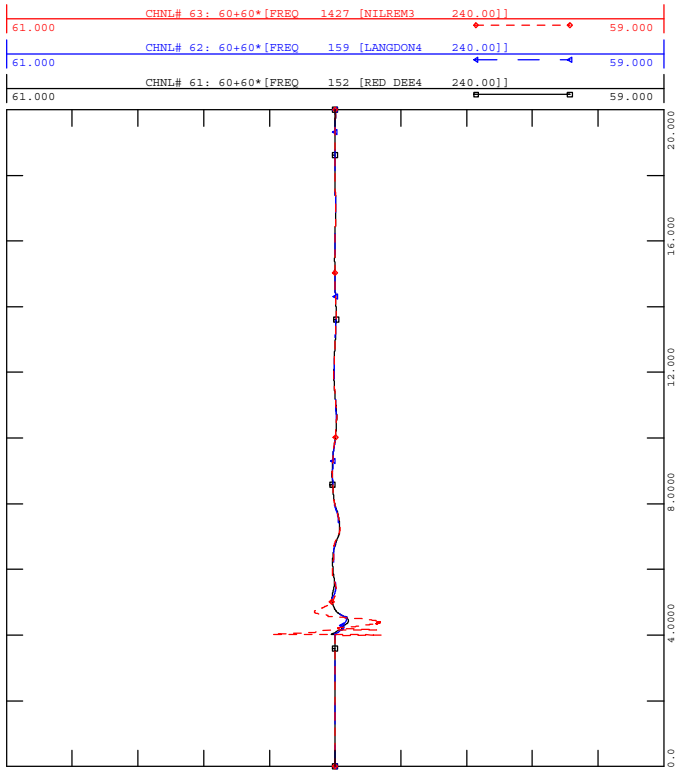


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:05

FREQUENCY

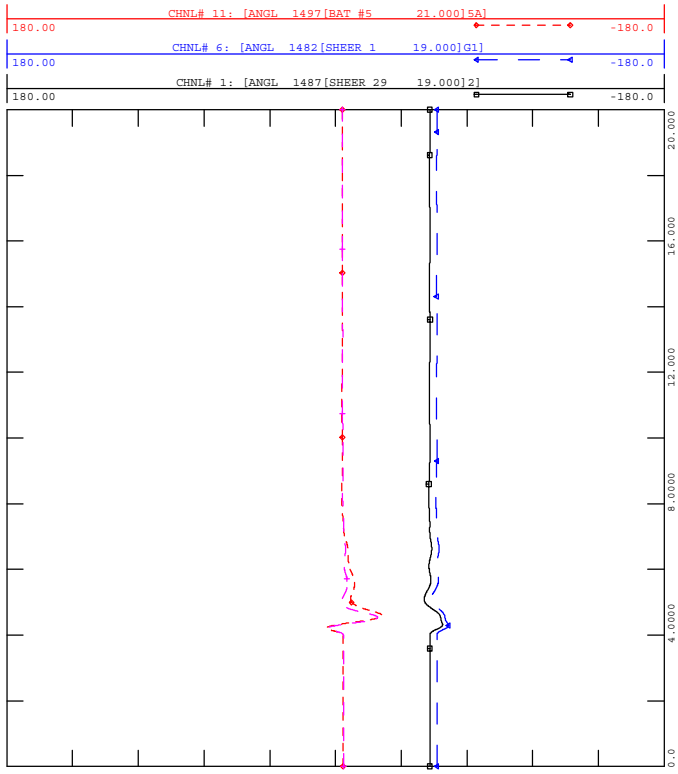


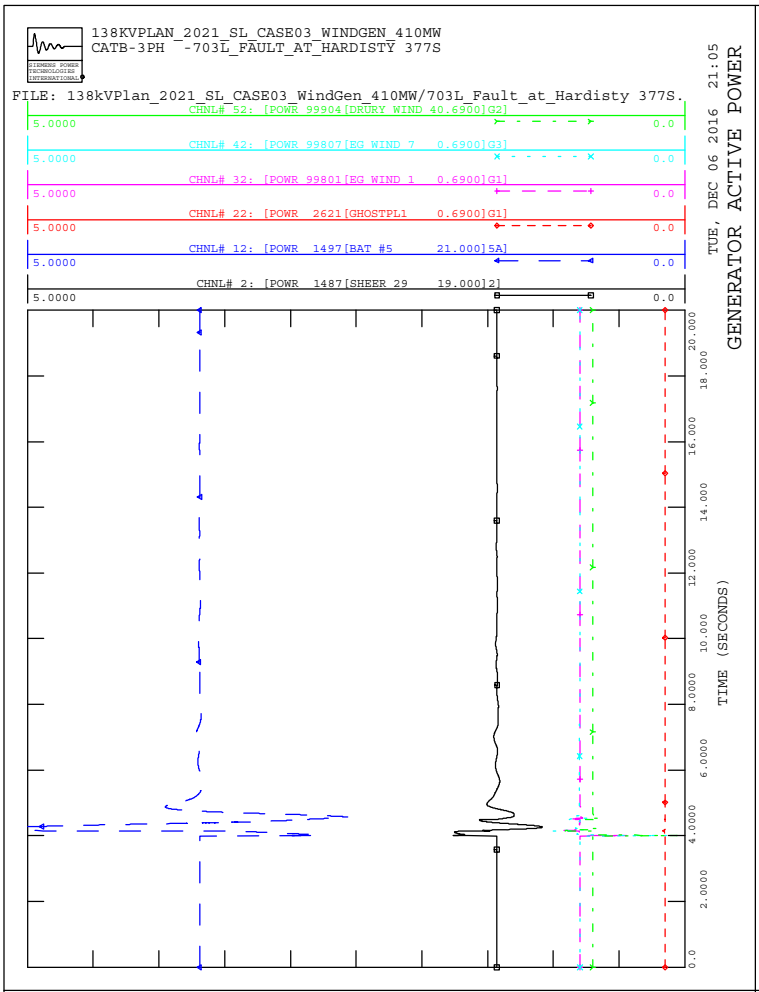
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

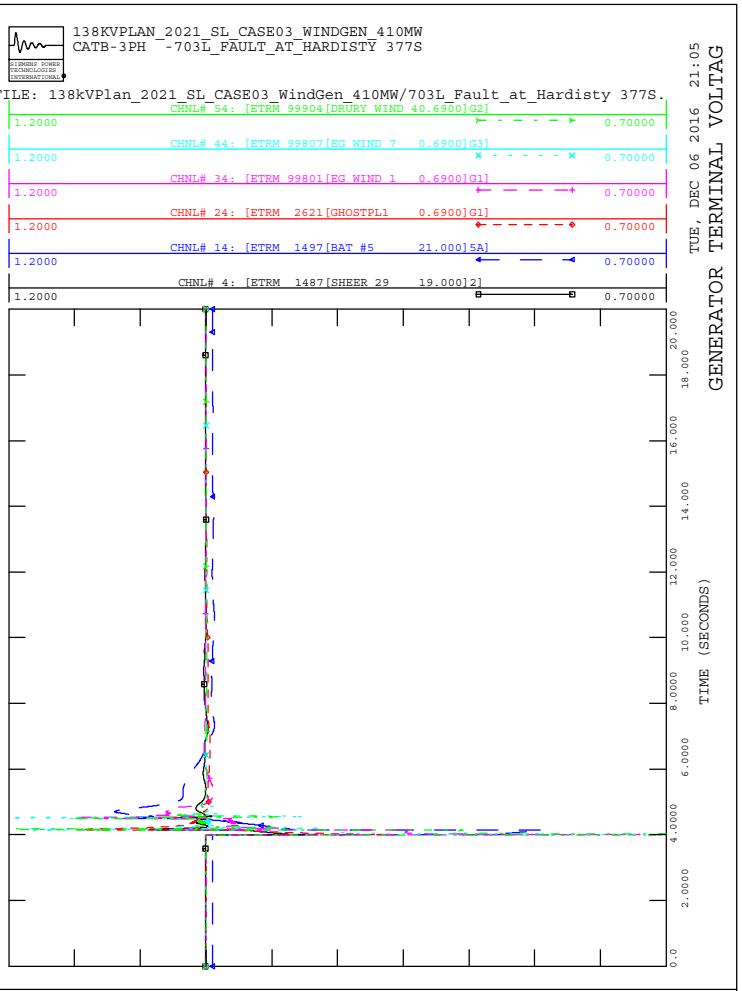
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.

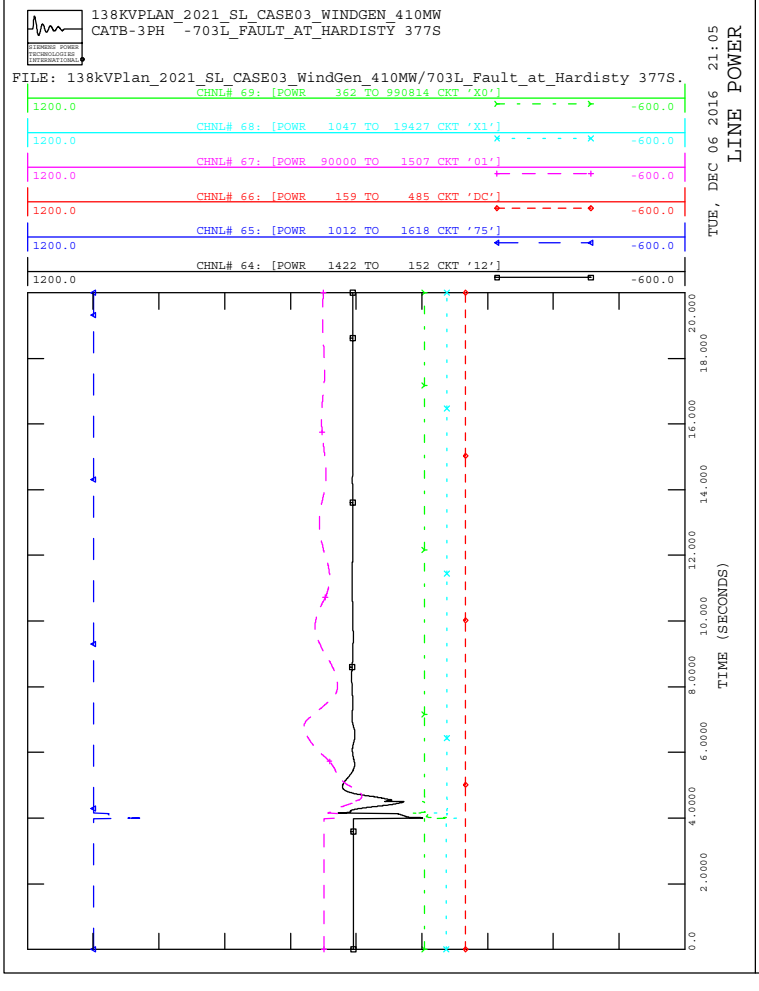
TUE, DEC 06 2016 21:05

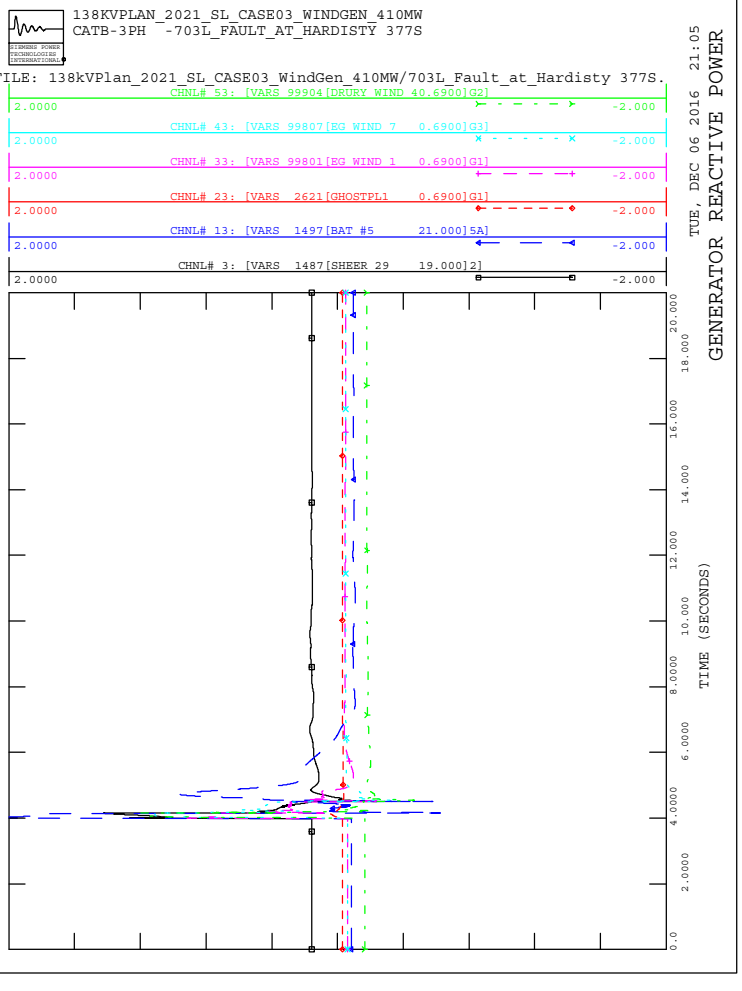
MACHINE ANGLE

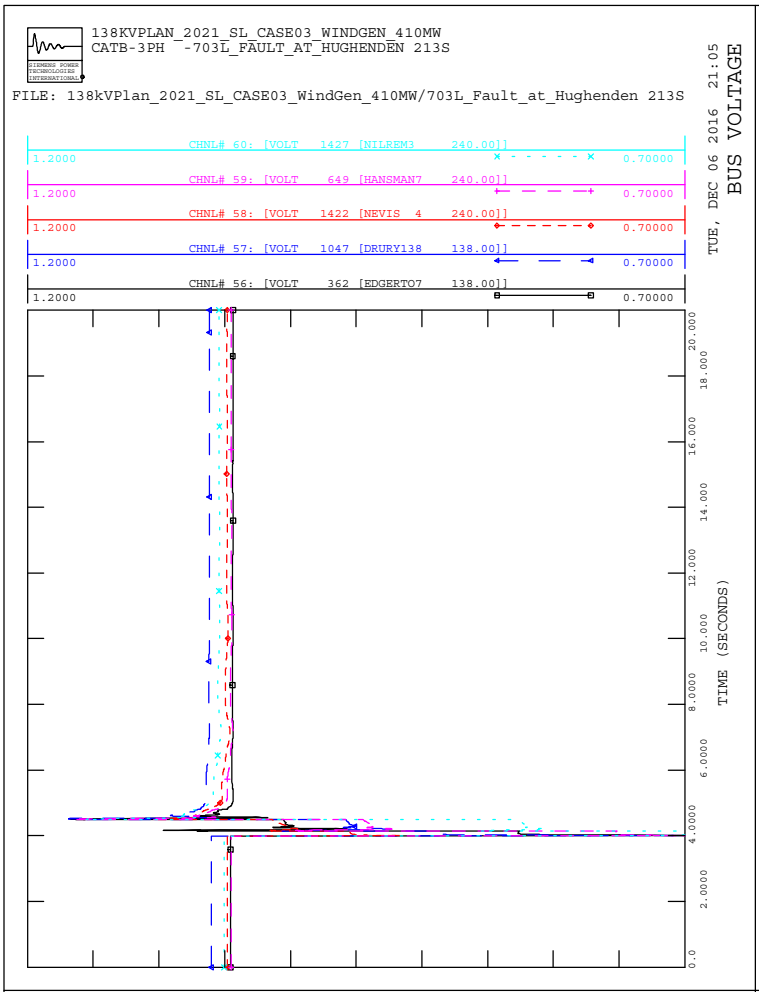


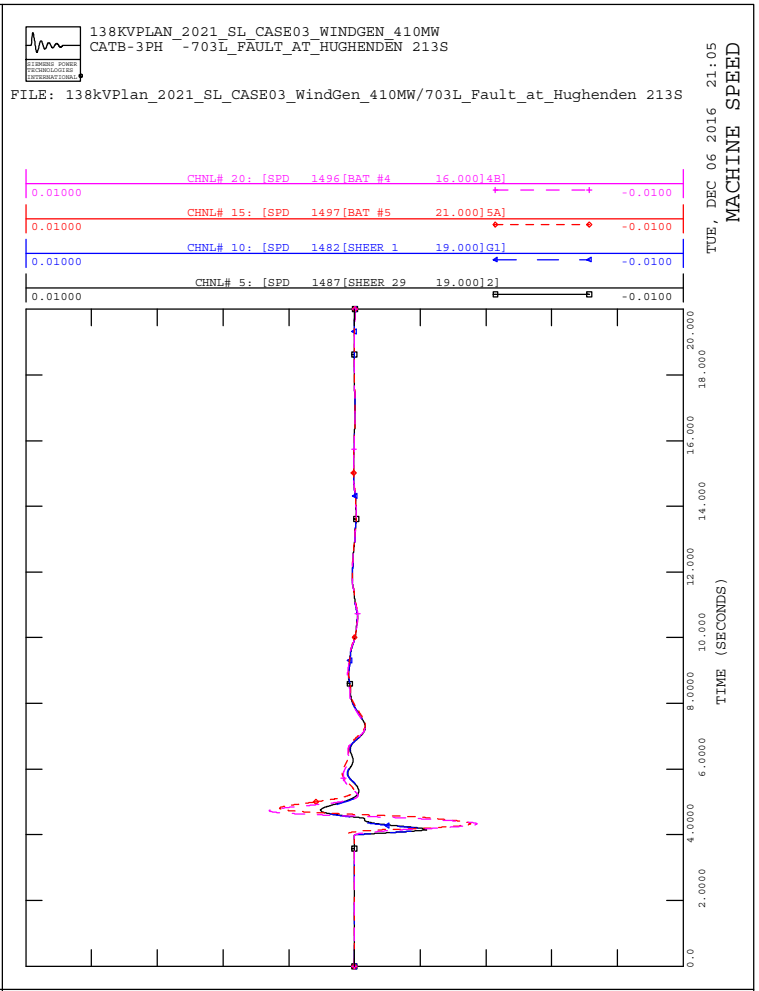

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)

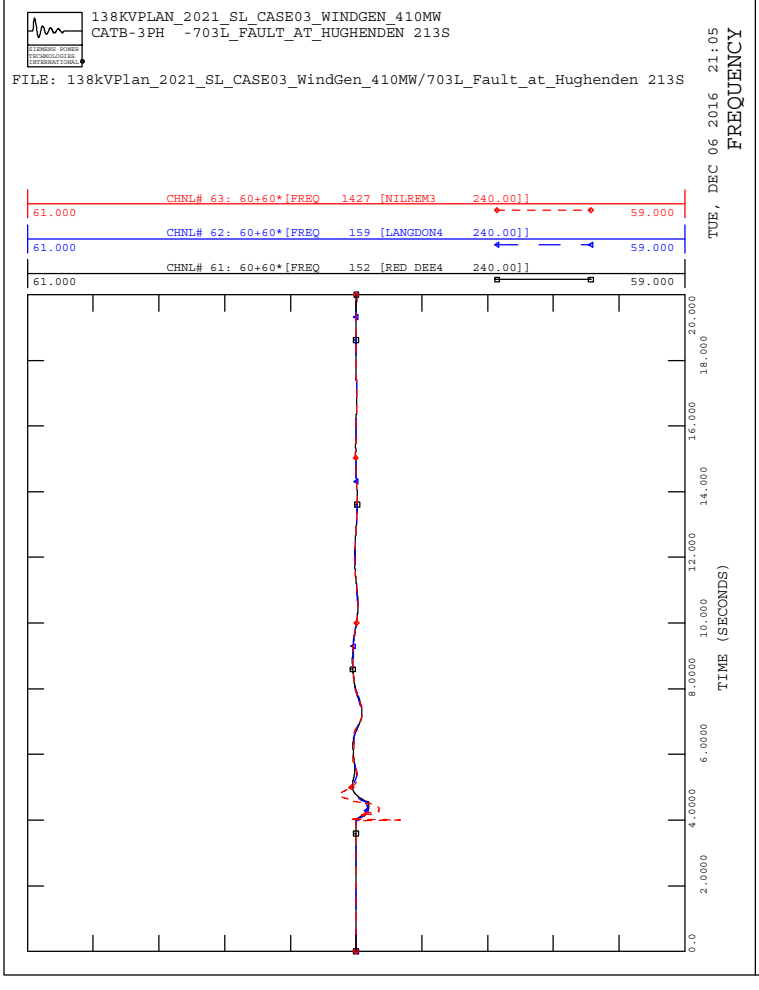

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

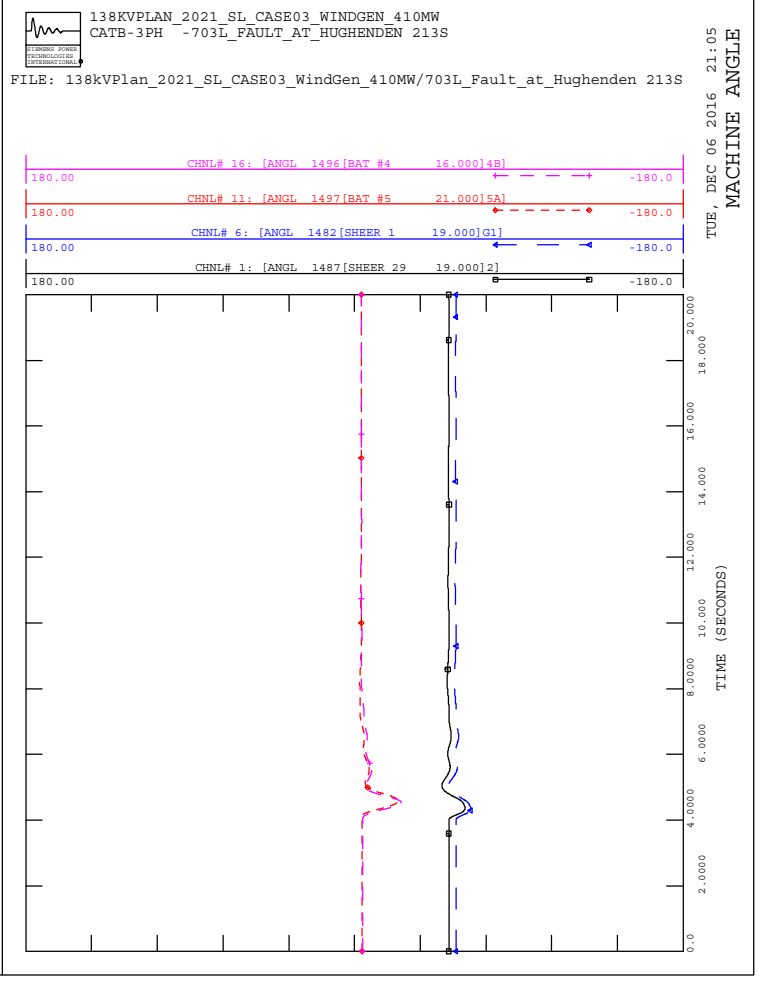

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

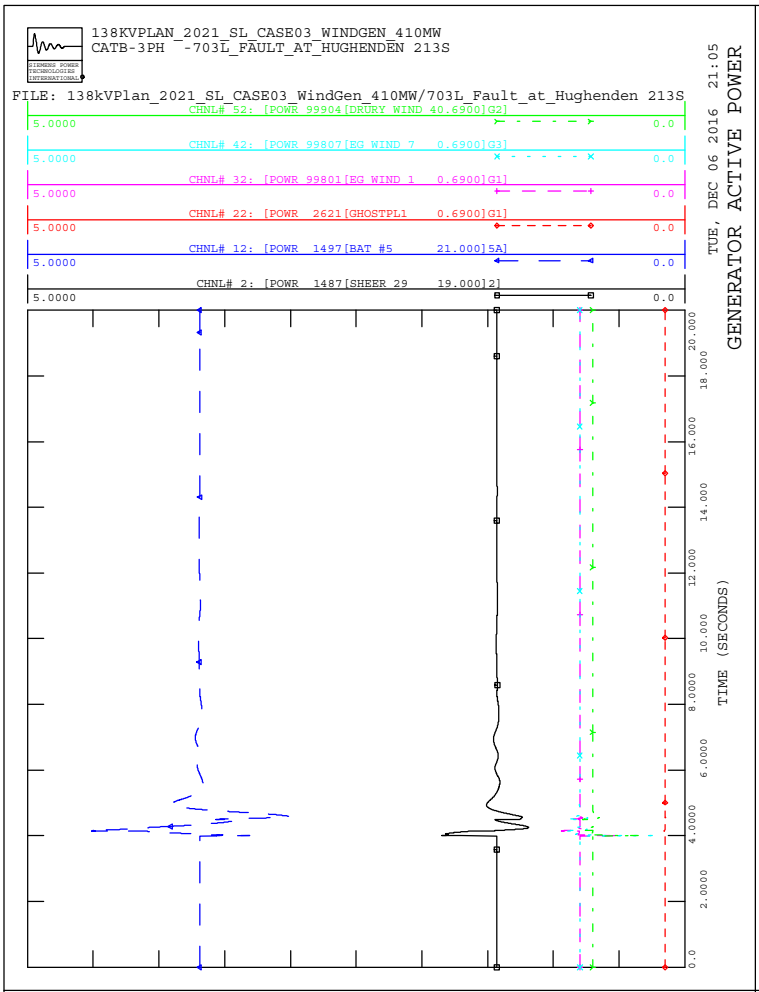

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

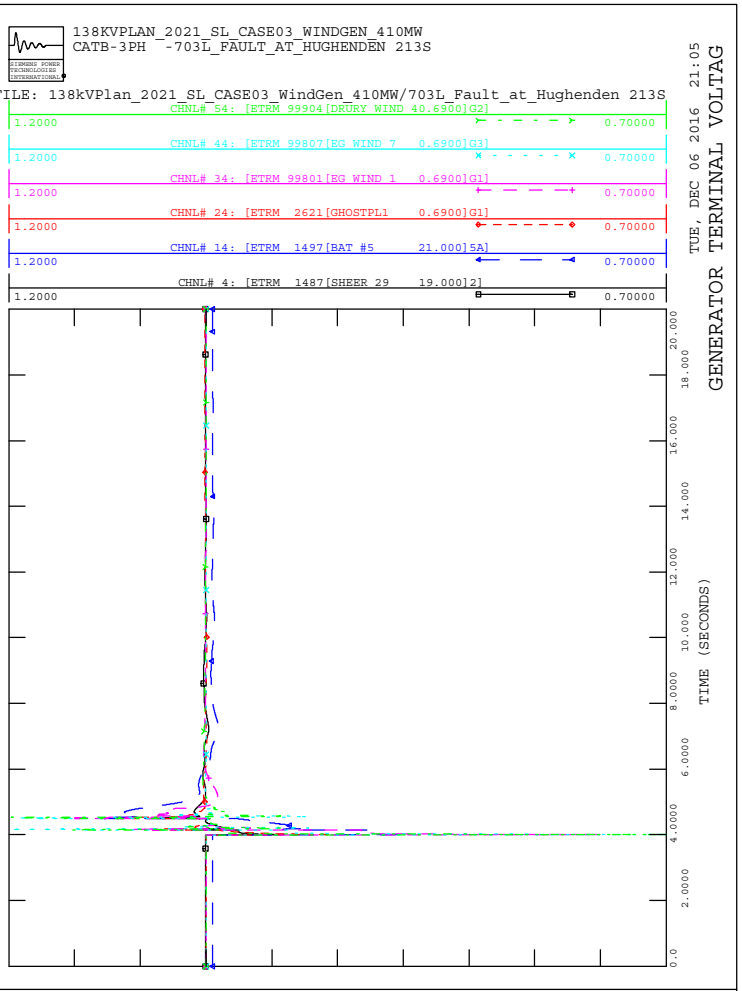

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S
TUE, DEC 06 2016 21:05
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

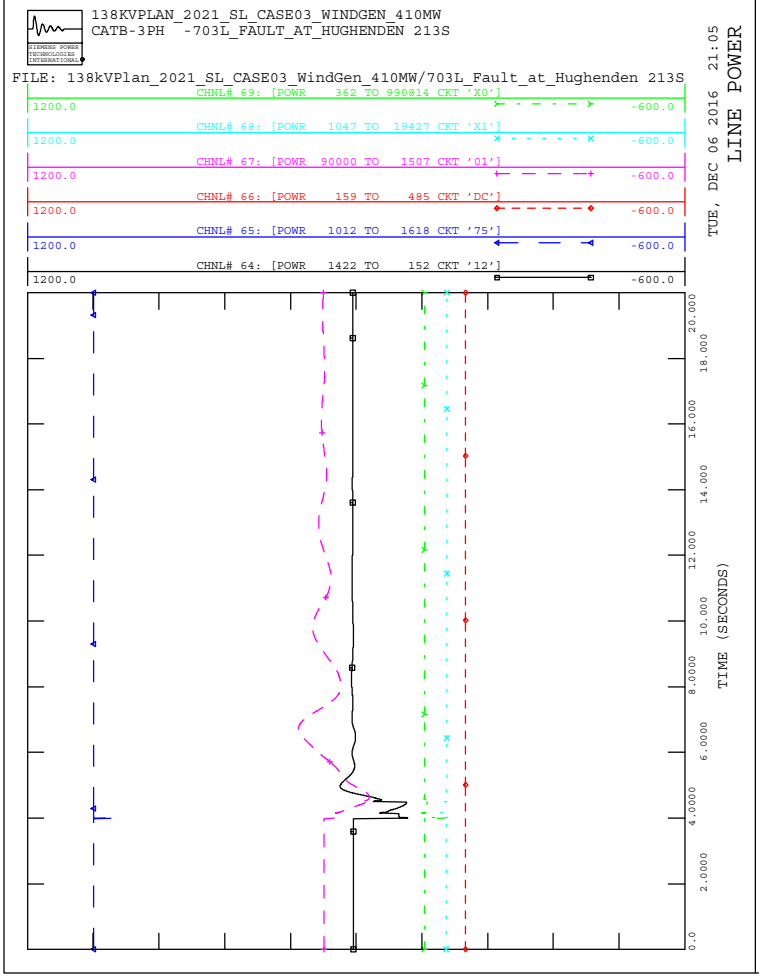

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S
TUE, DEC 06 2016 21:05
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

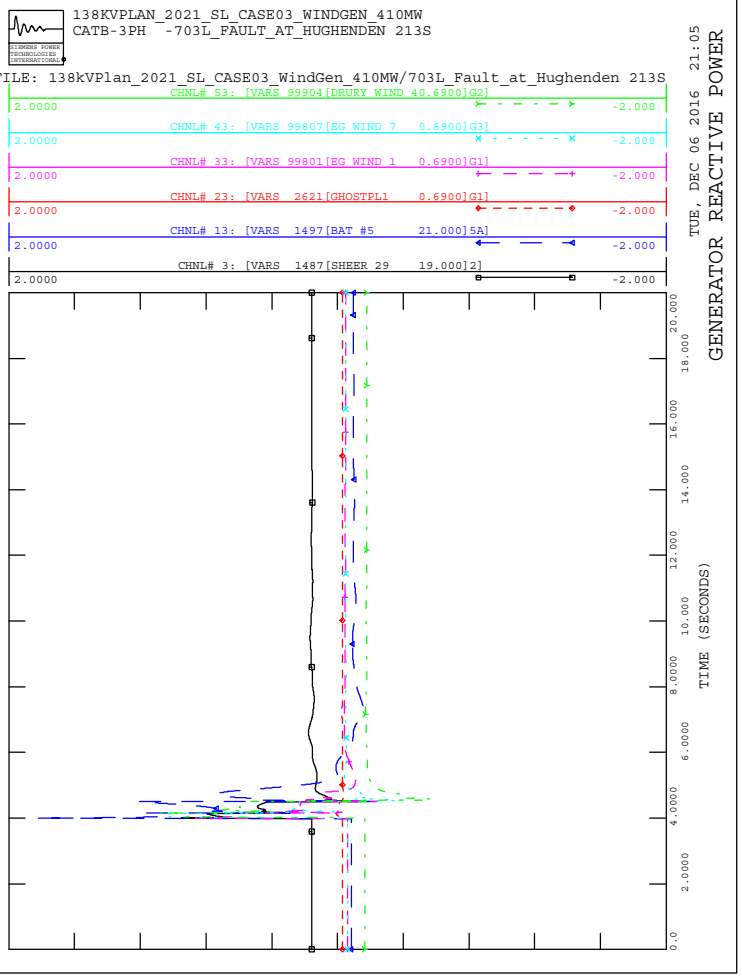

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S
TUE, DEC 06 2016 21:05
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S
TUE, DEC 06 2016 21:05
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

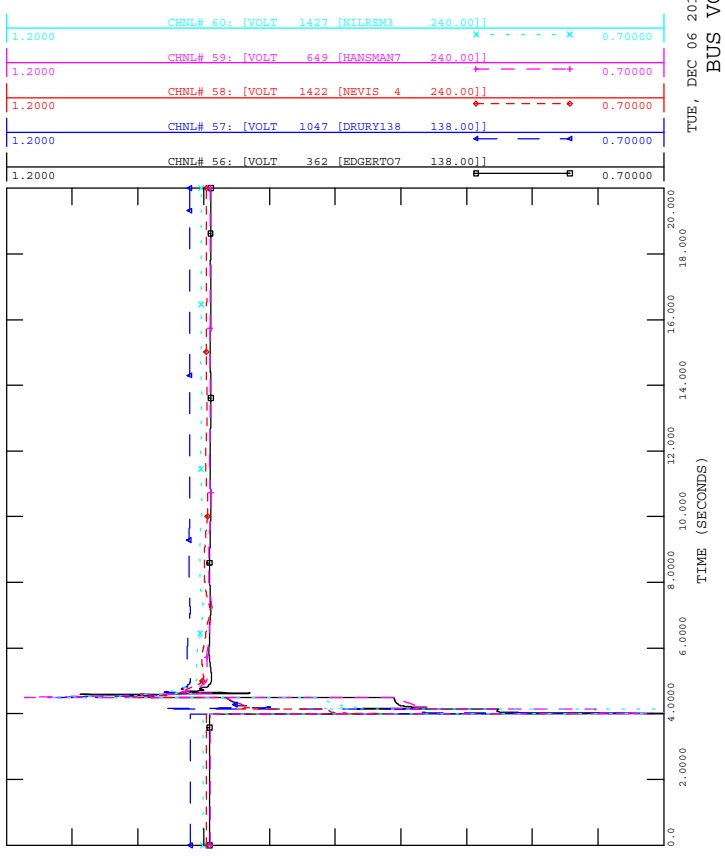

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:05

BUS VOLTAGE

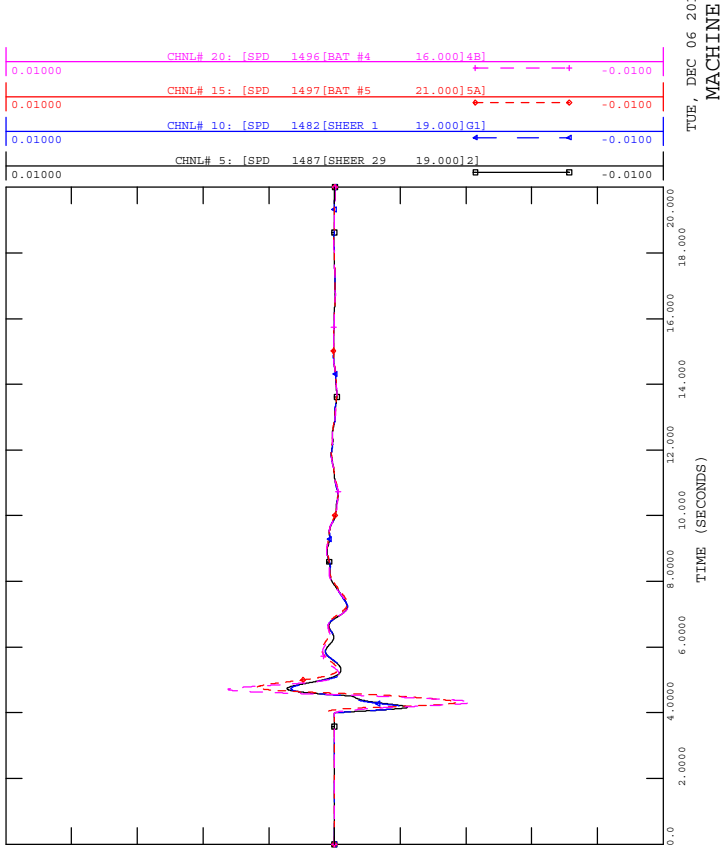


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:05

MACHINE SPEED

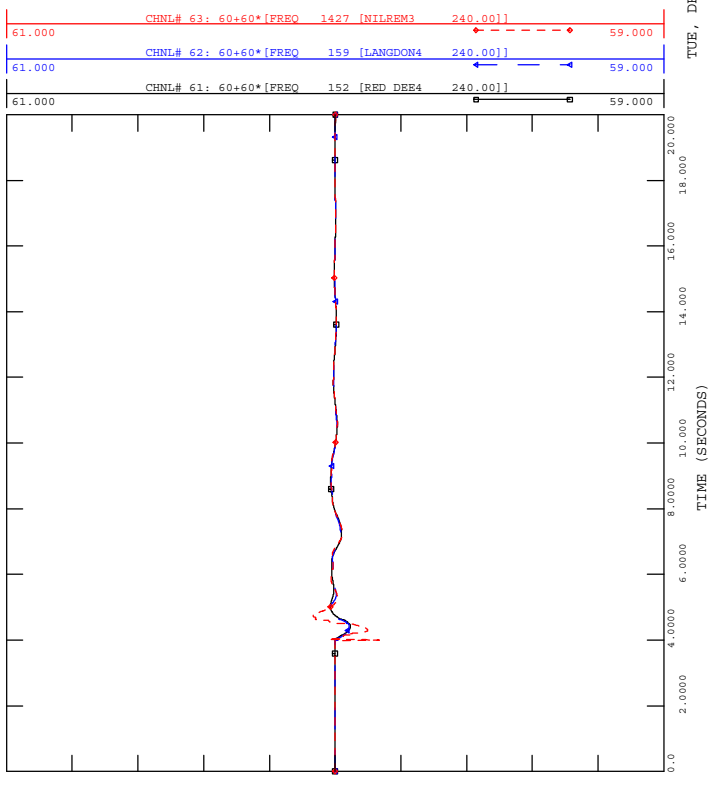


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:05

FREQUENCY

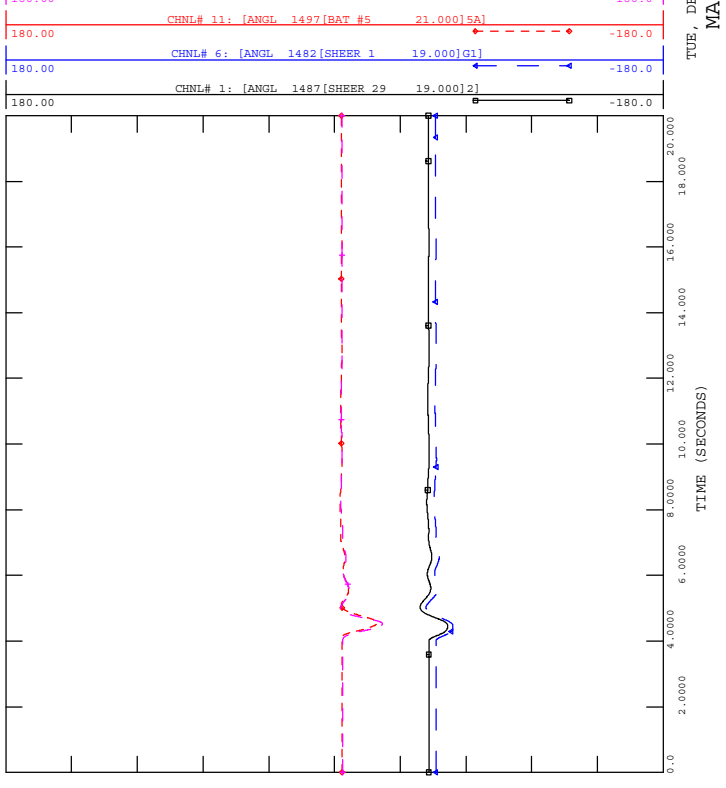


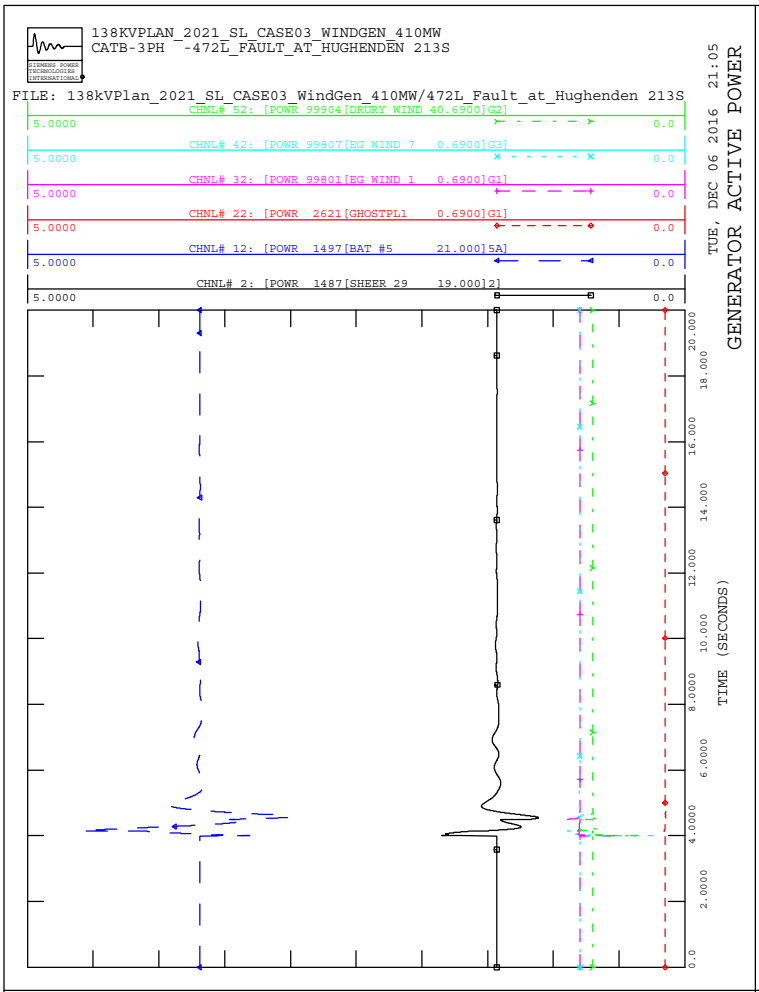
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

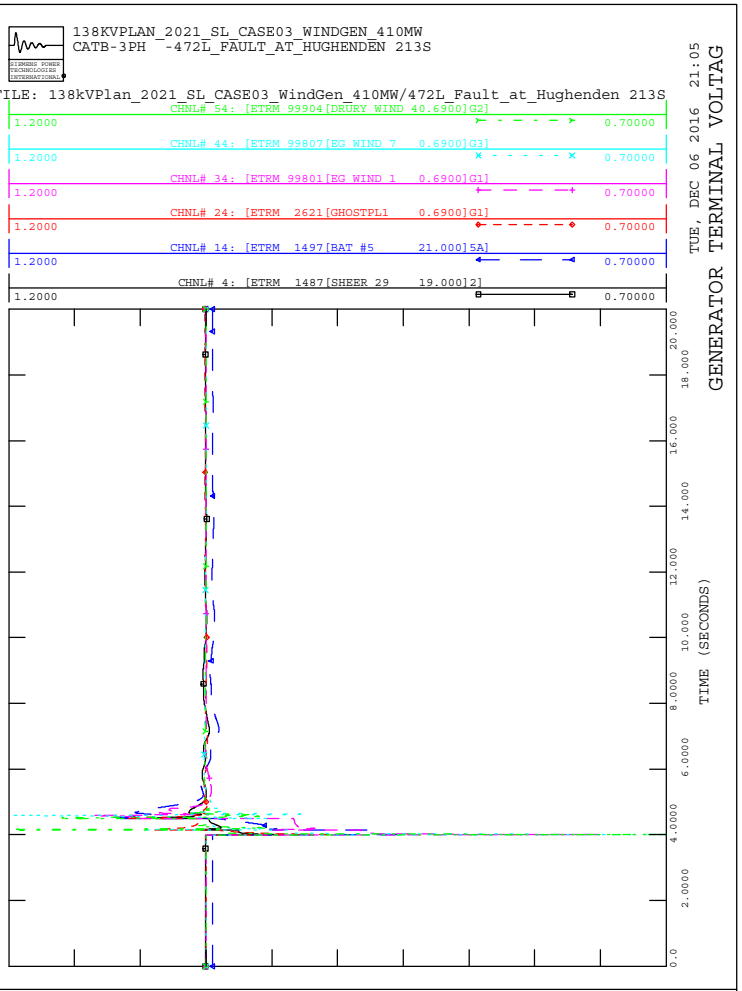
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:05

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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12.000
14.000
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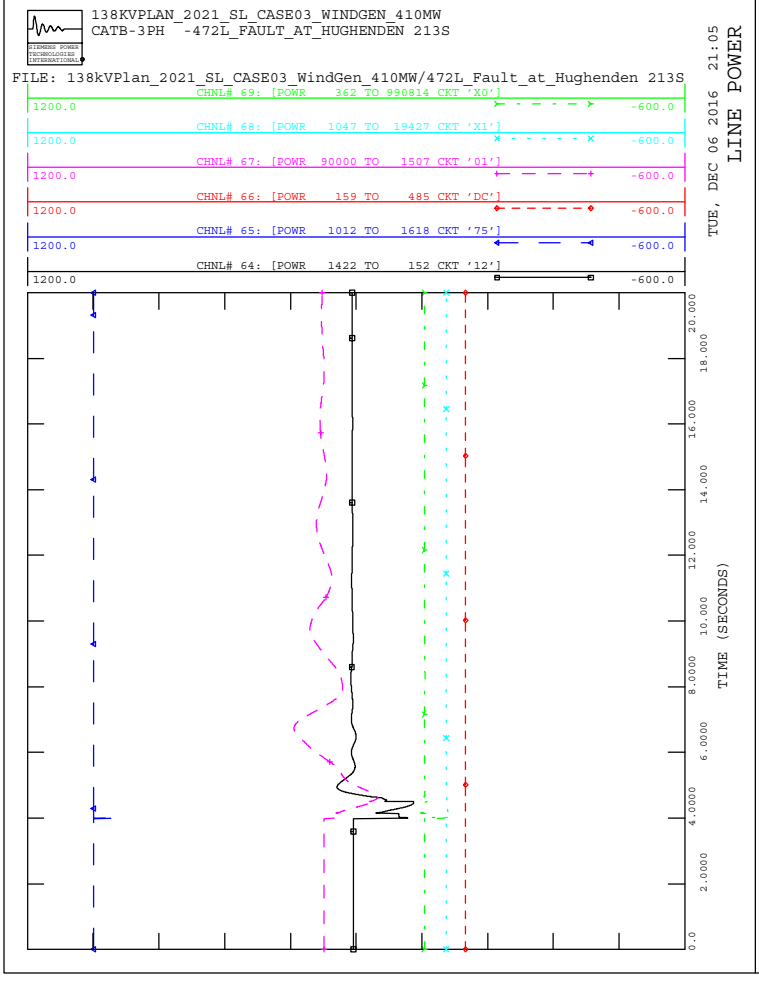
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
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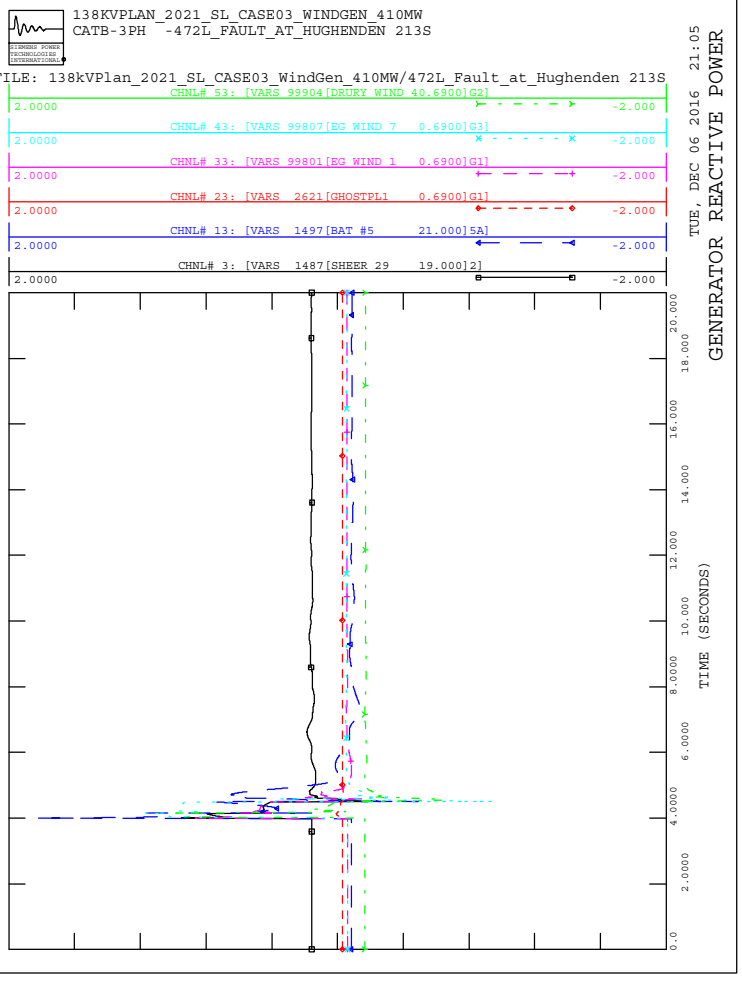
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

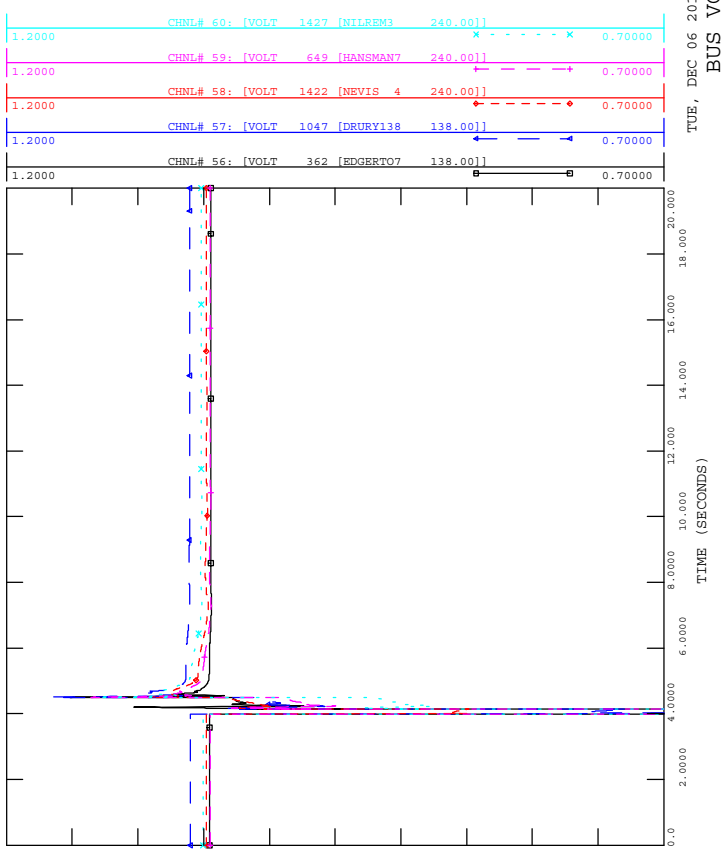

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:05

BUS VOLTAGE

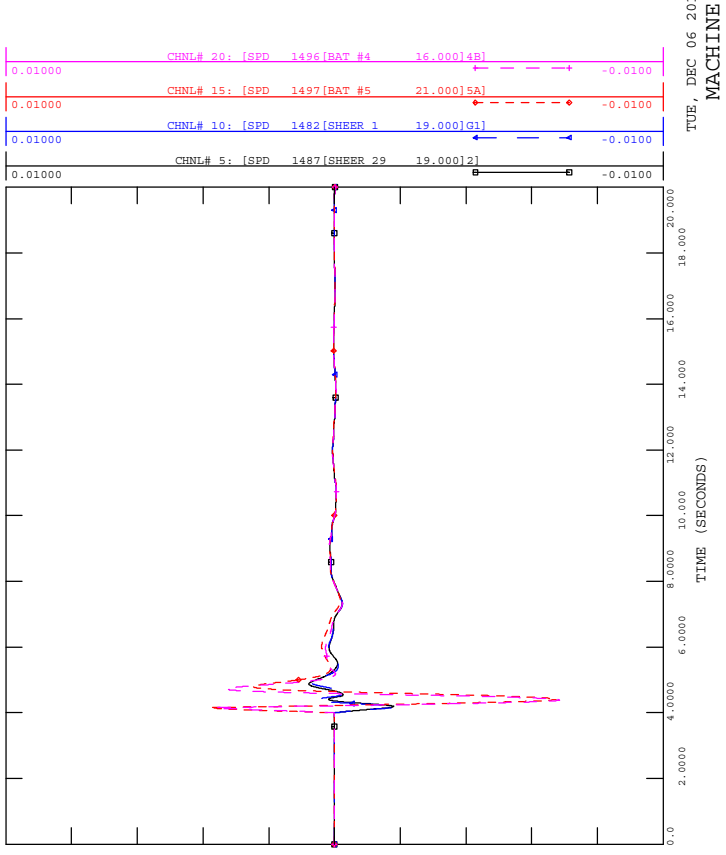


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:05

MACHINE SPEED

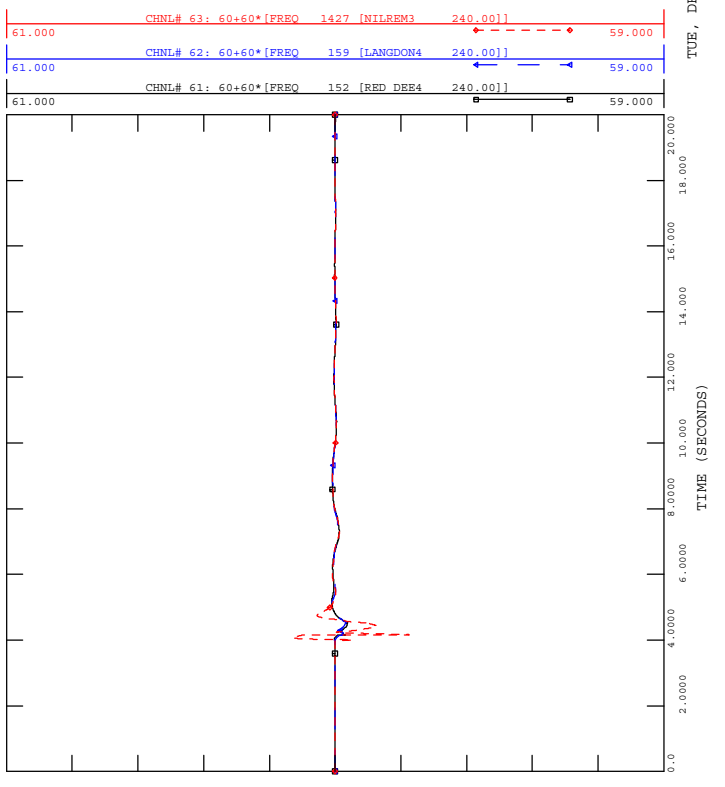


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:05

FREQUENCY

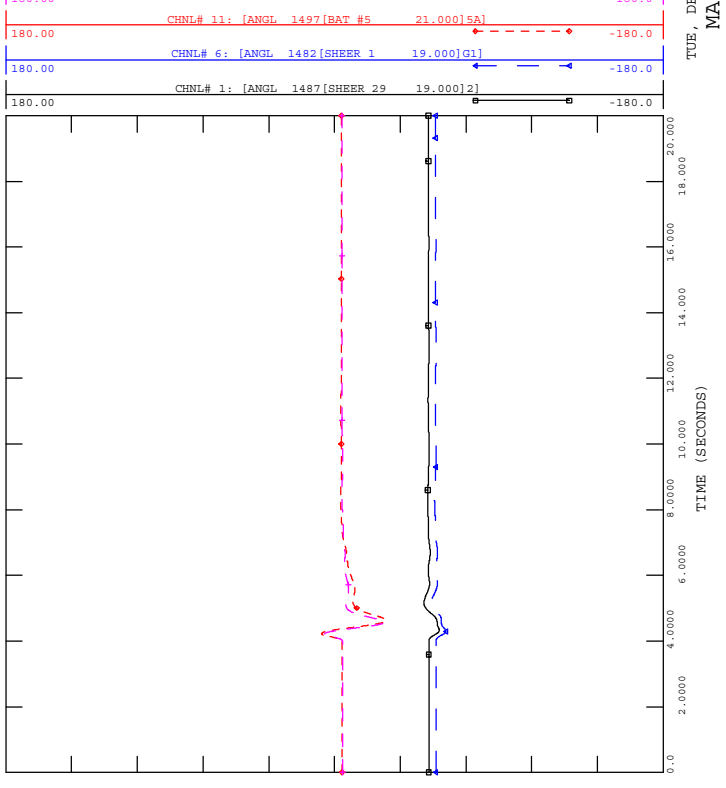


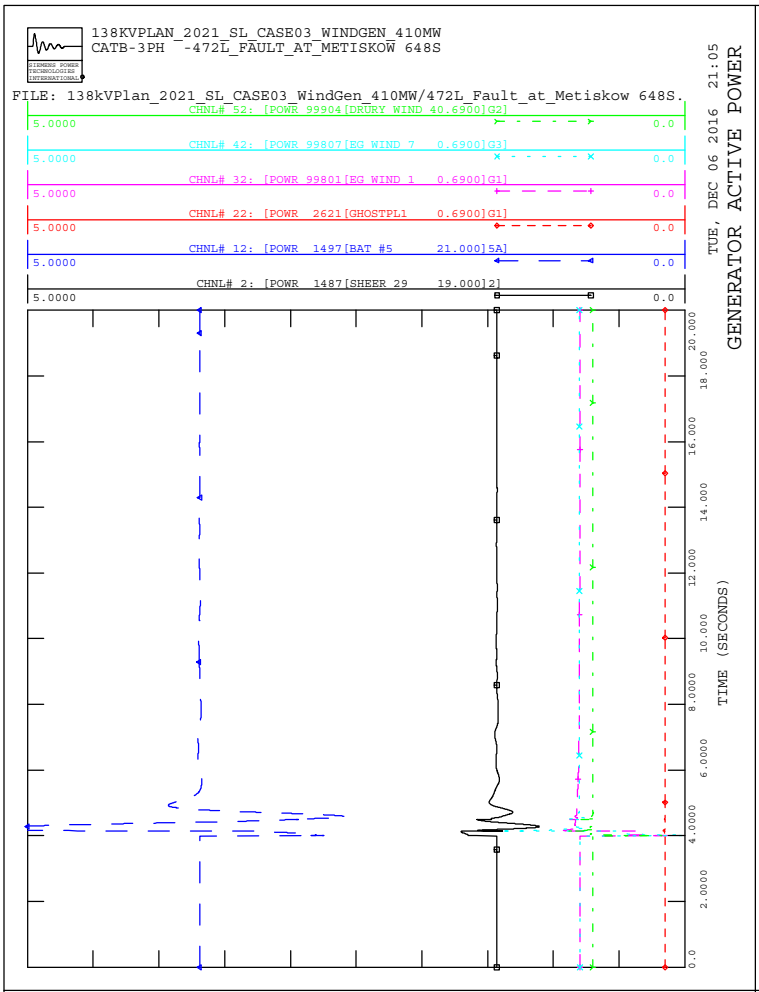
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

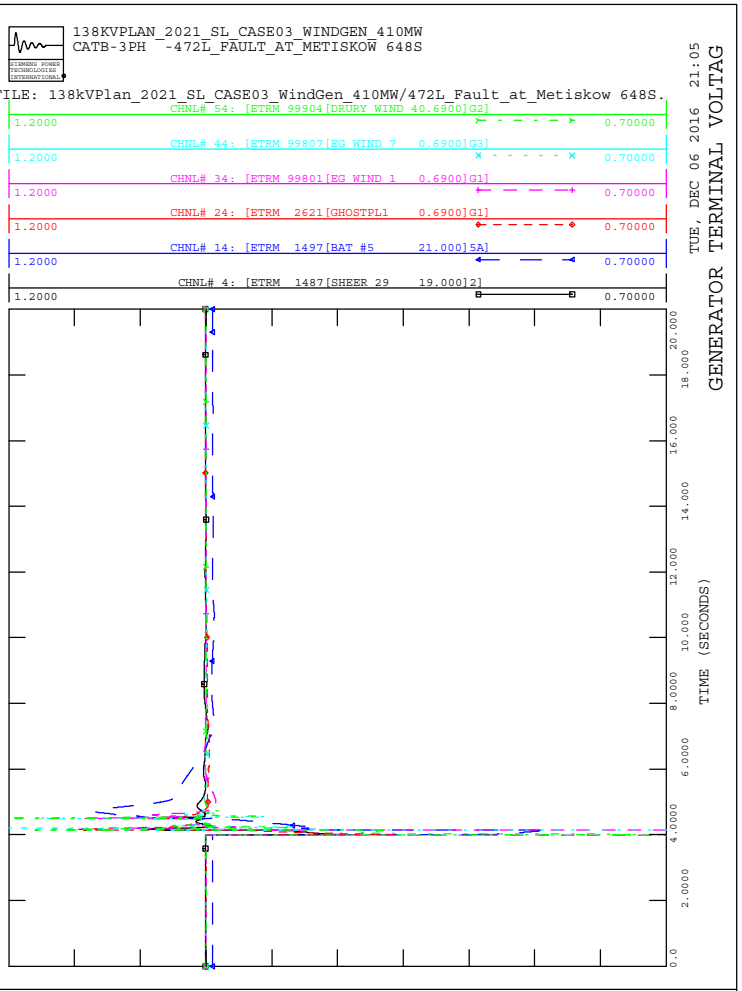
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:05

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
10.000
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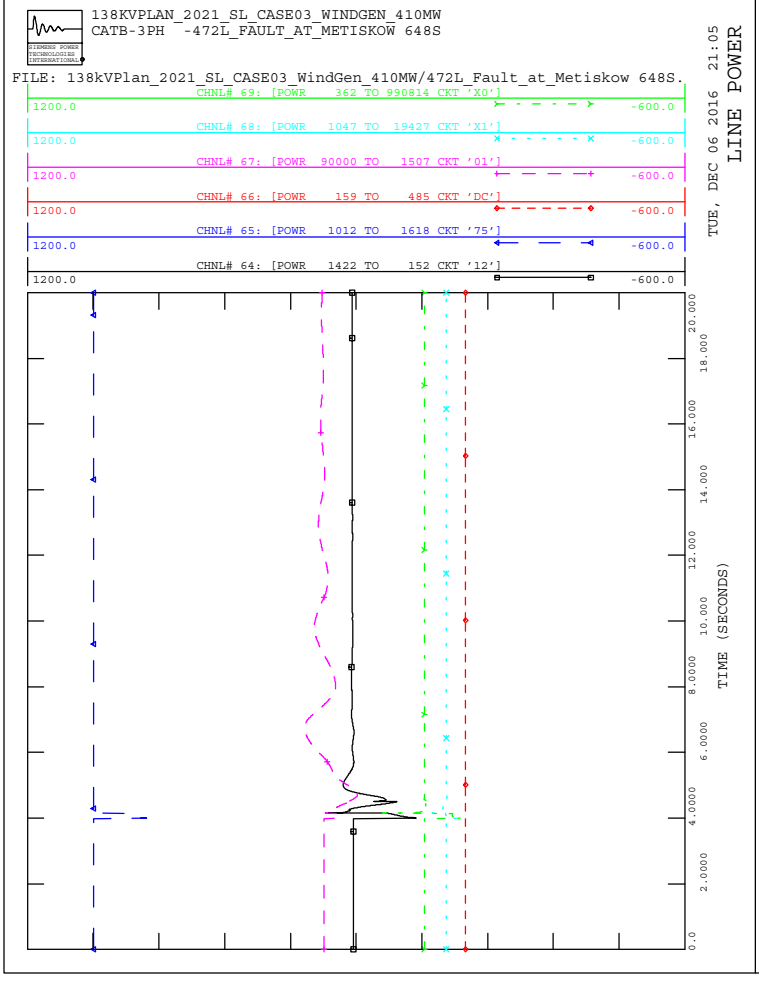
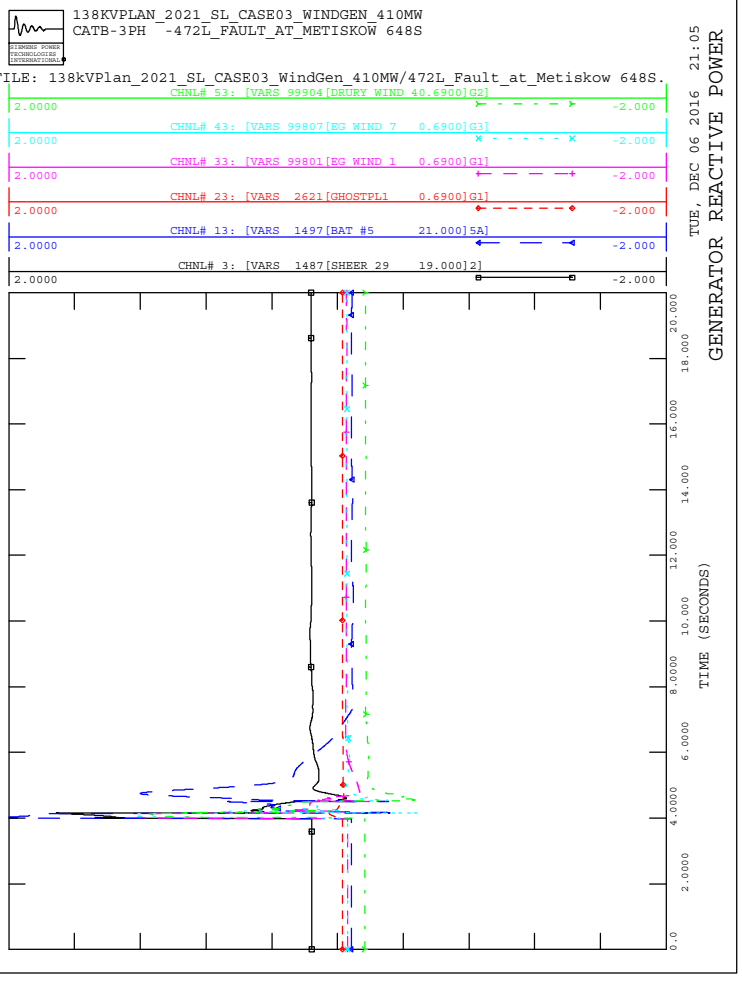
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

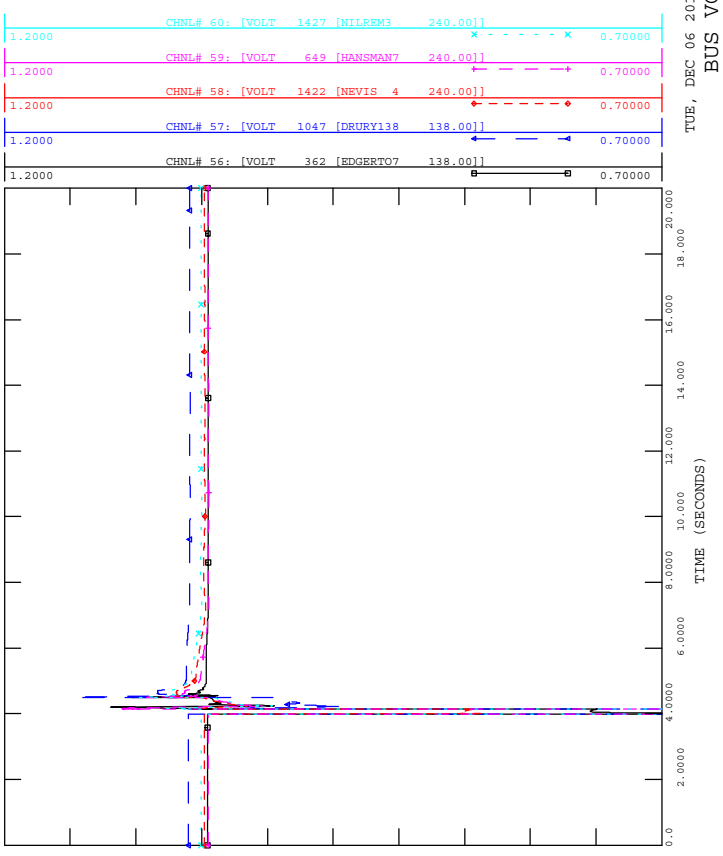

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:05

BUS VOLTAGE

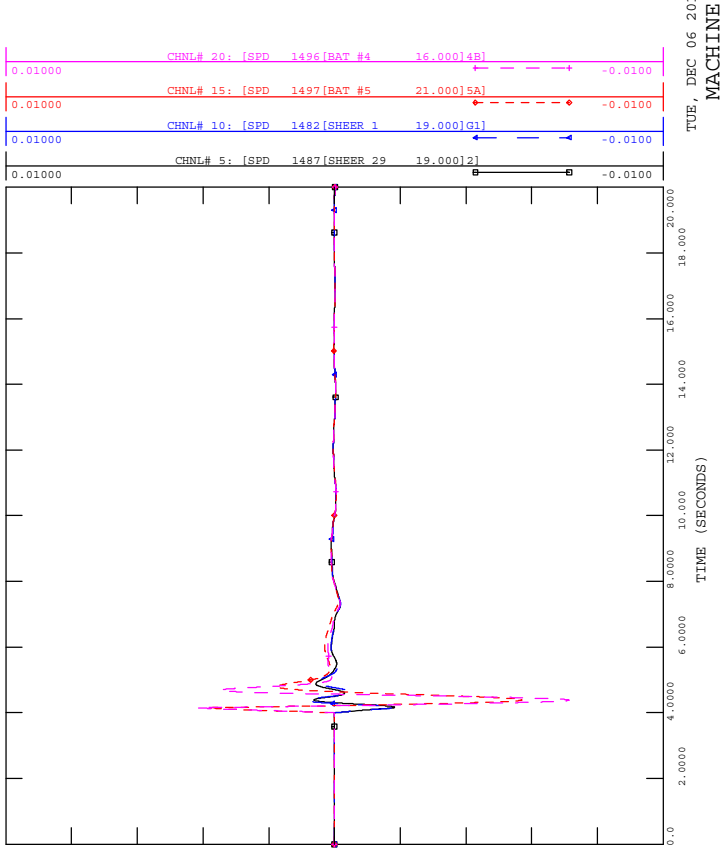


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:05

MACHINE SPEED

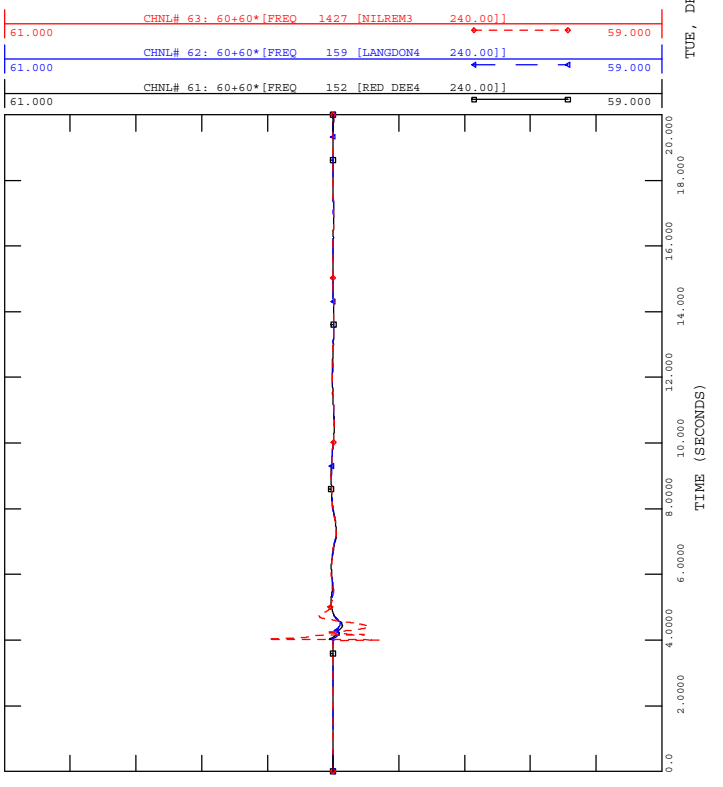


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:05

FREQUENCY

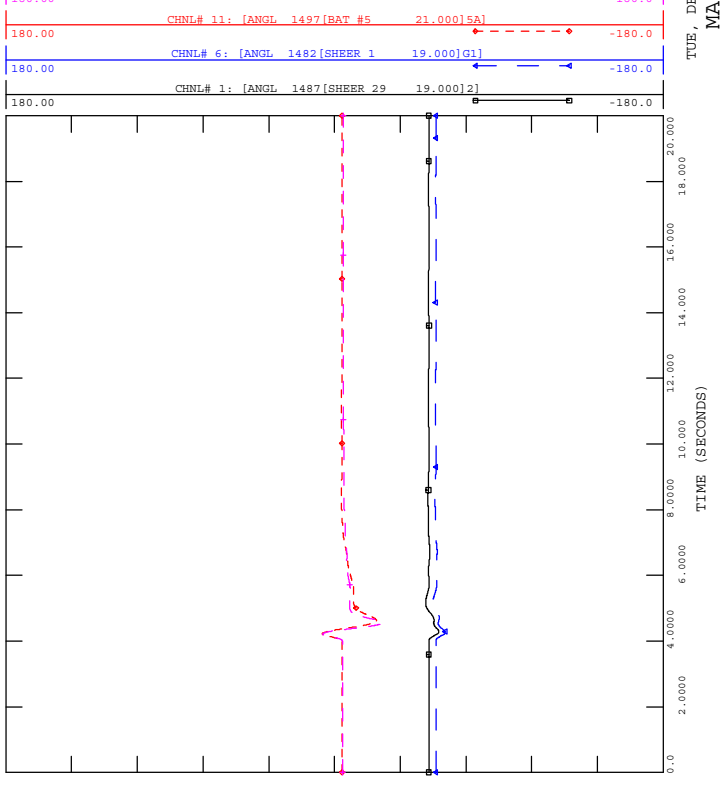


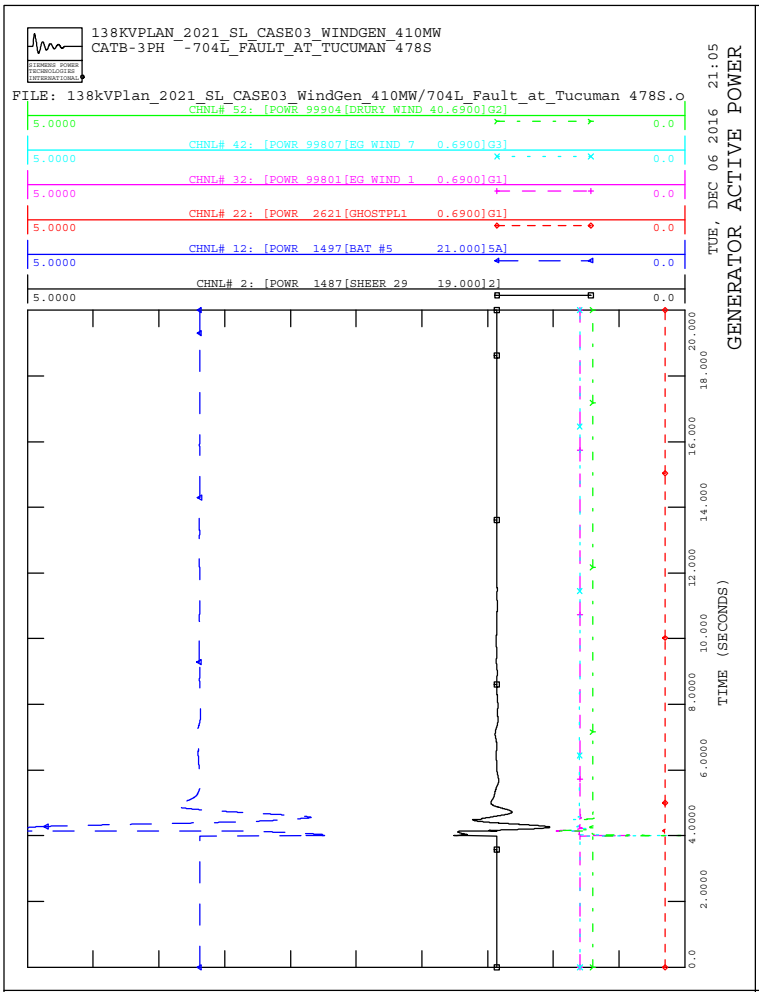
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

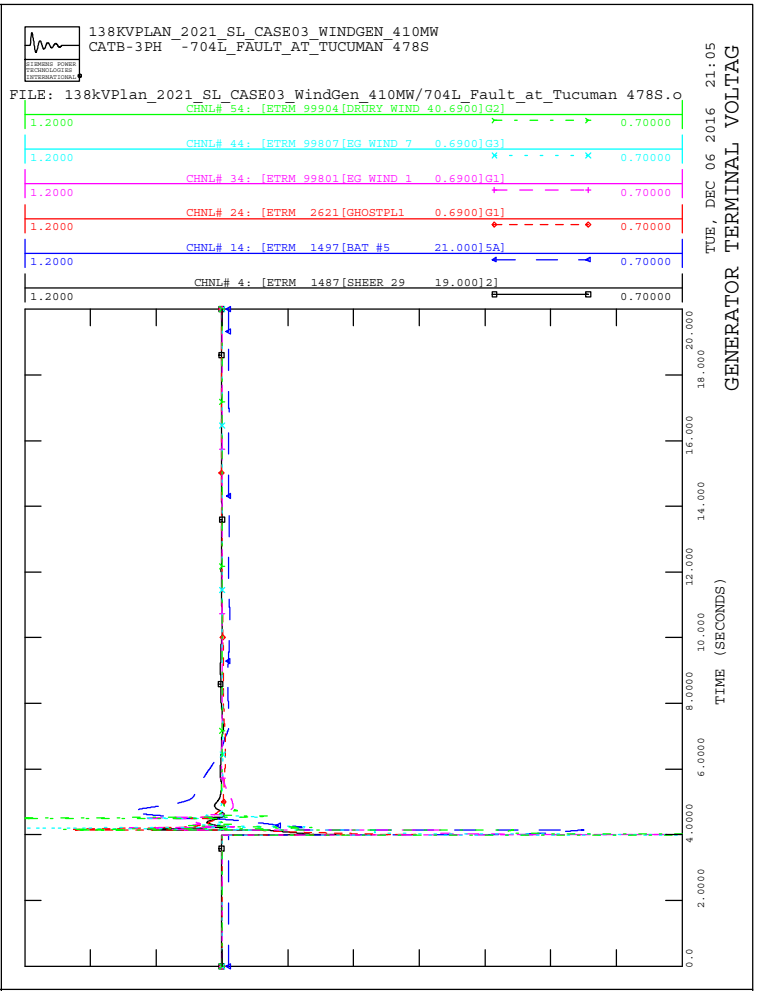
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:05

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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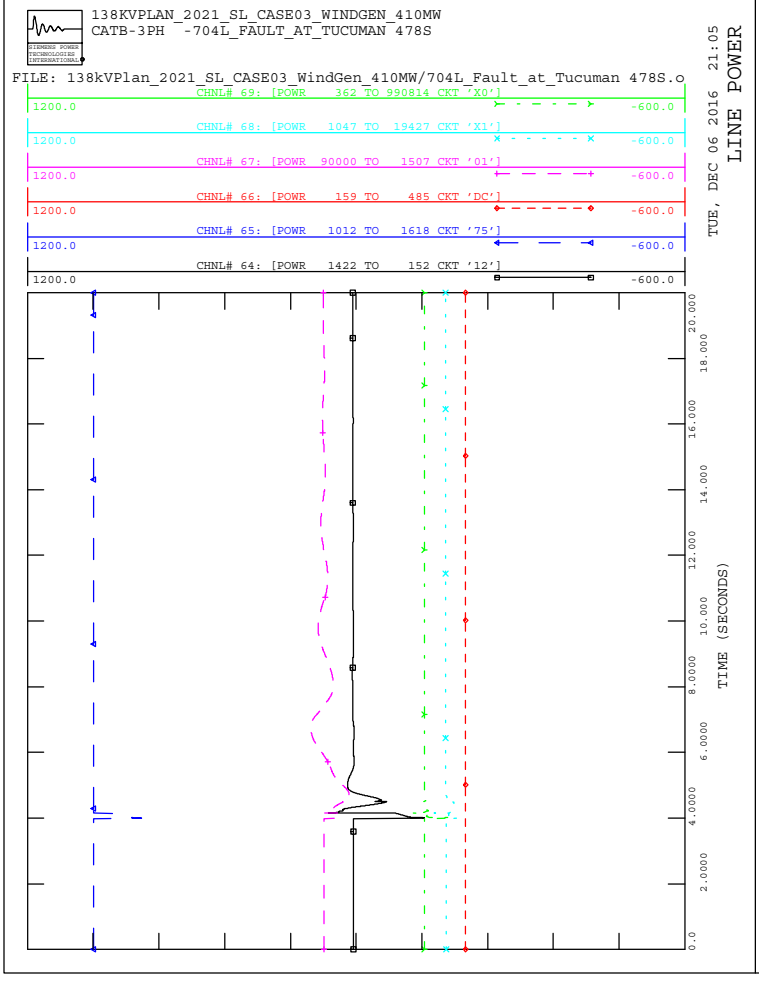
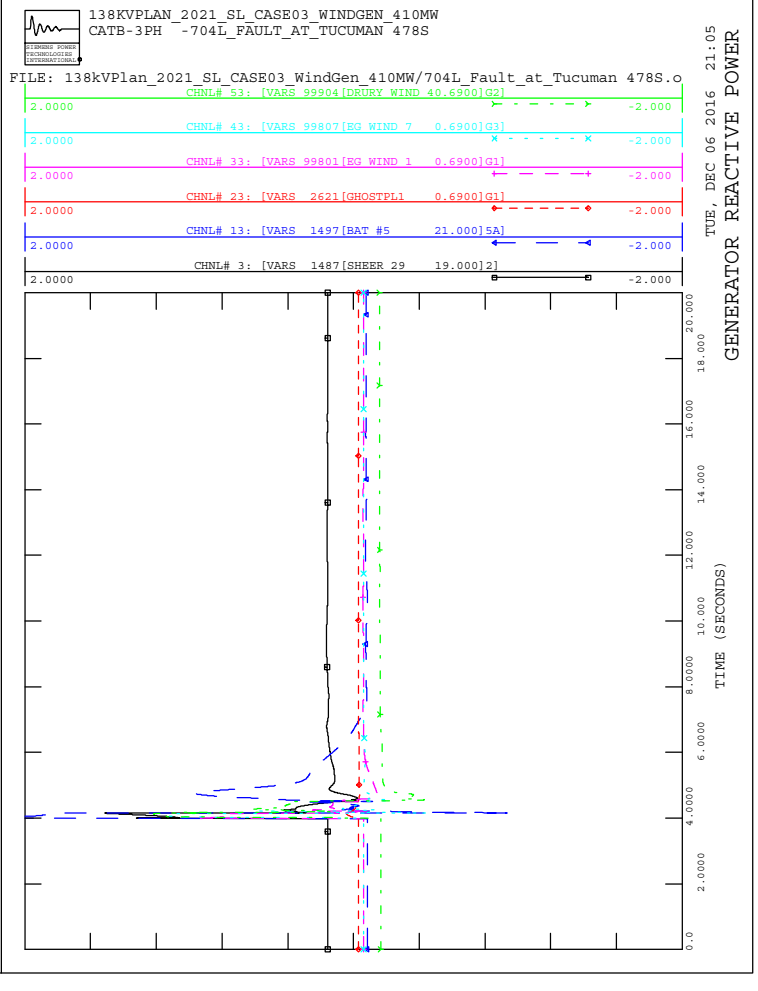
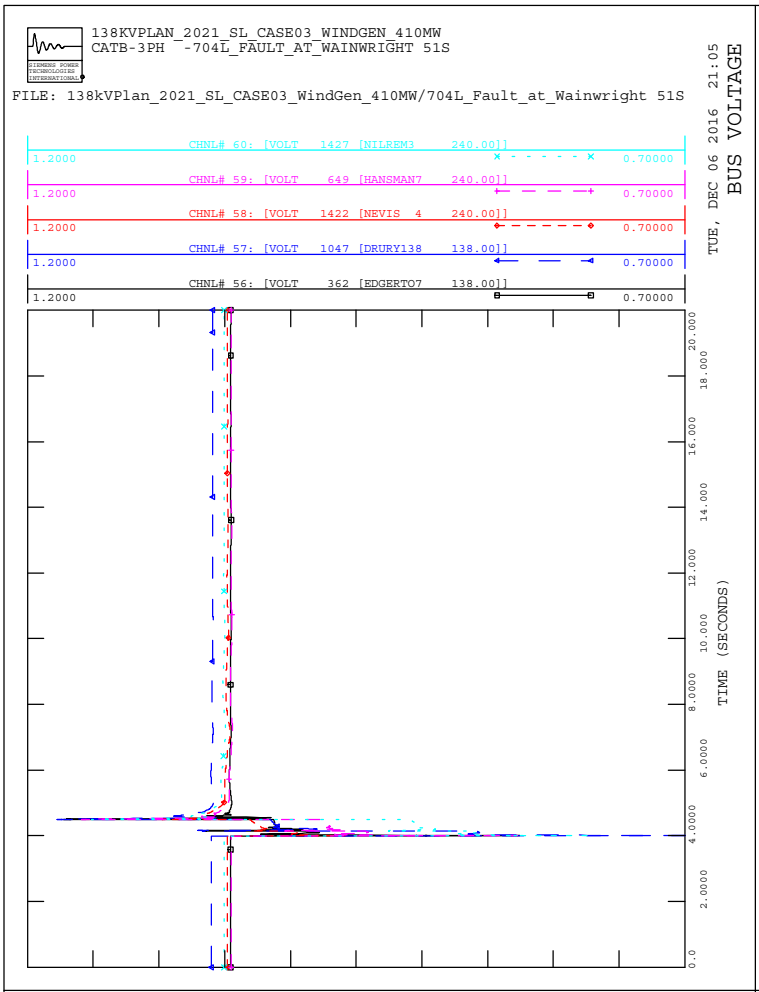
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S
TUE, DEC 06 2016 21:05
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
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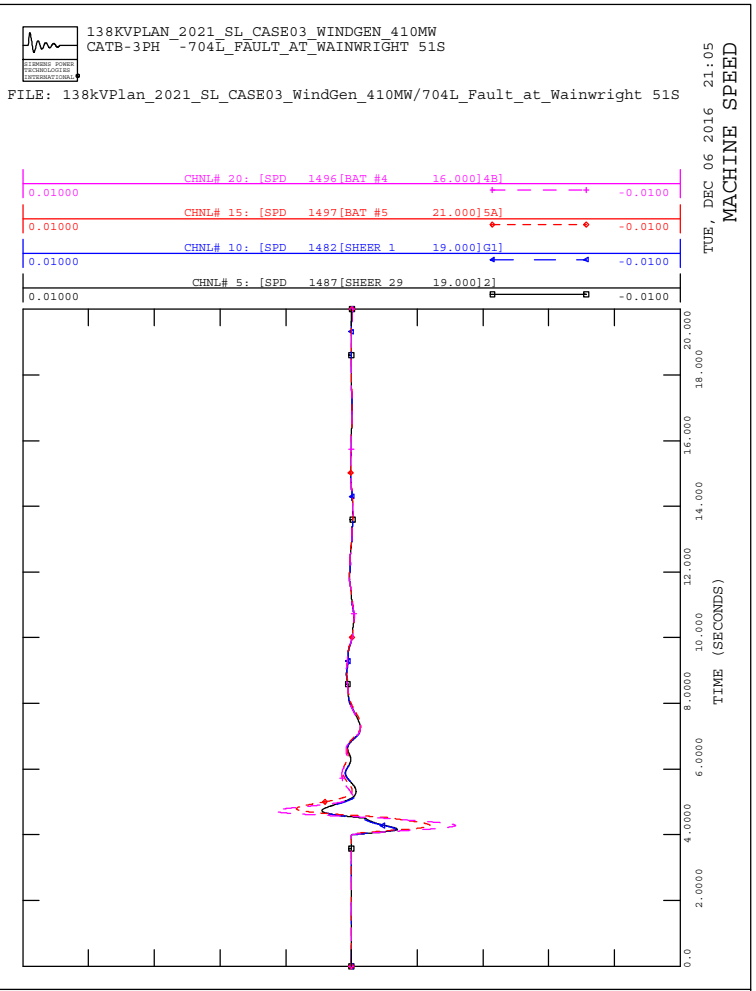
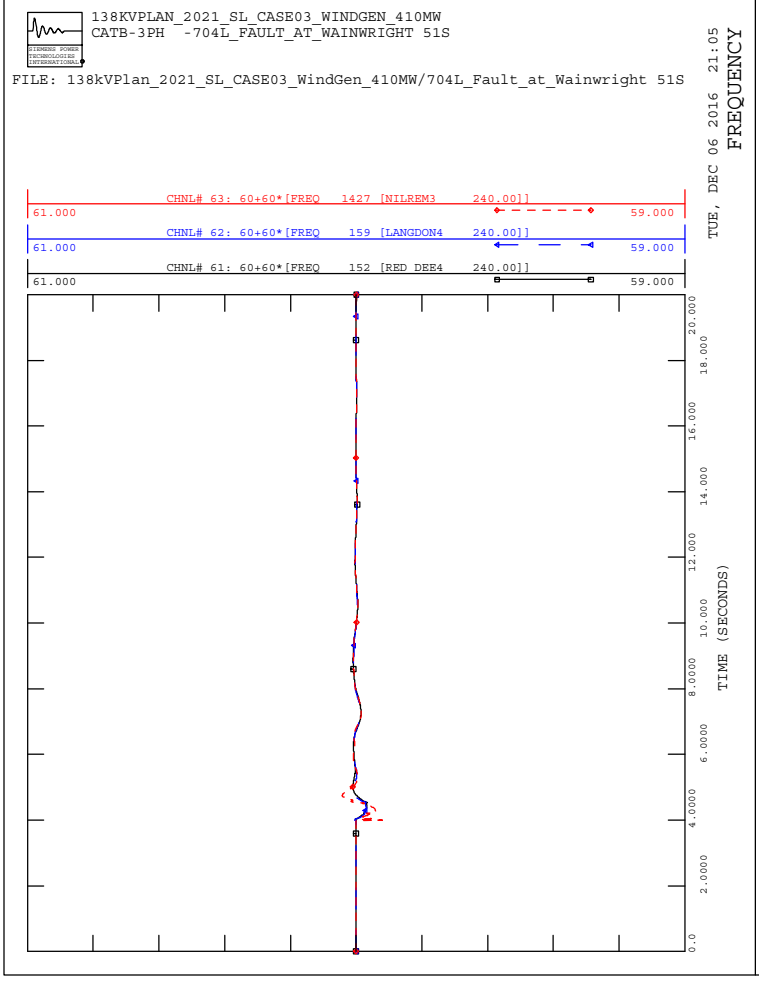
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S
TUE, DEC 06 2016 21:05
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S
TUE, DEC 06 2016 21:05
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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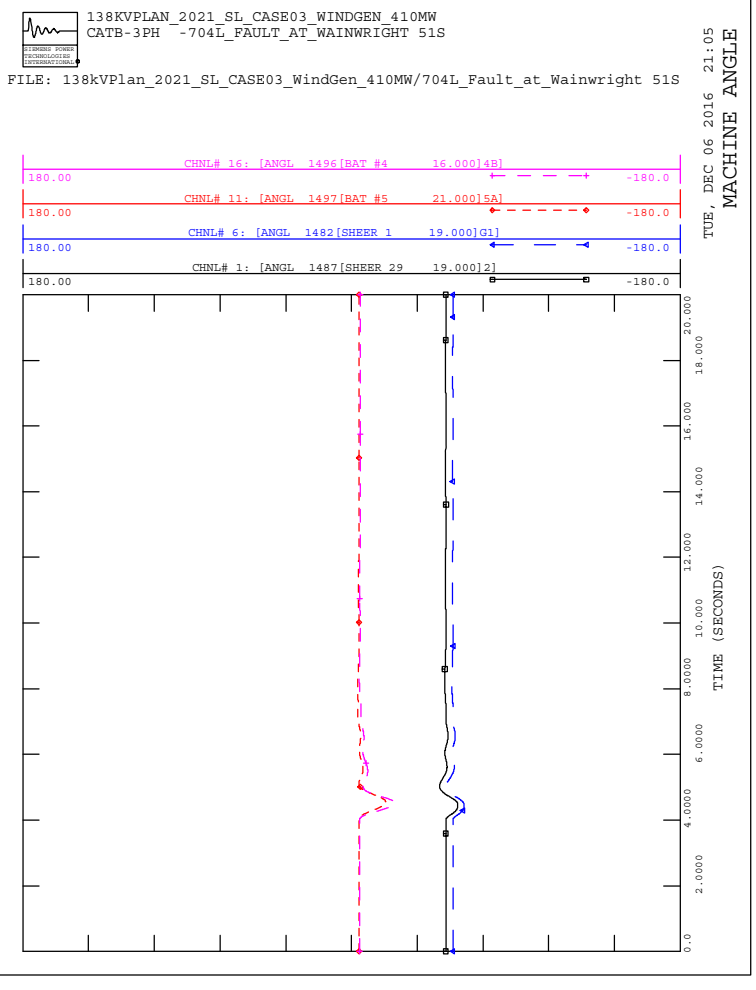
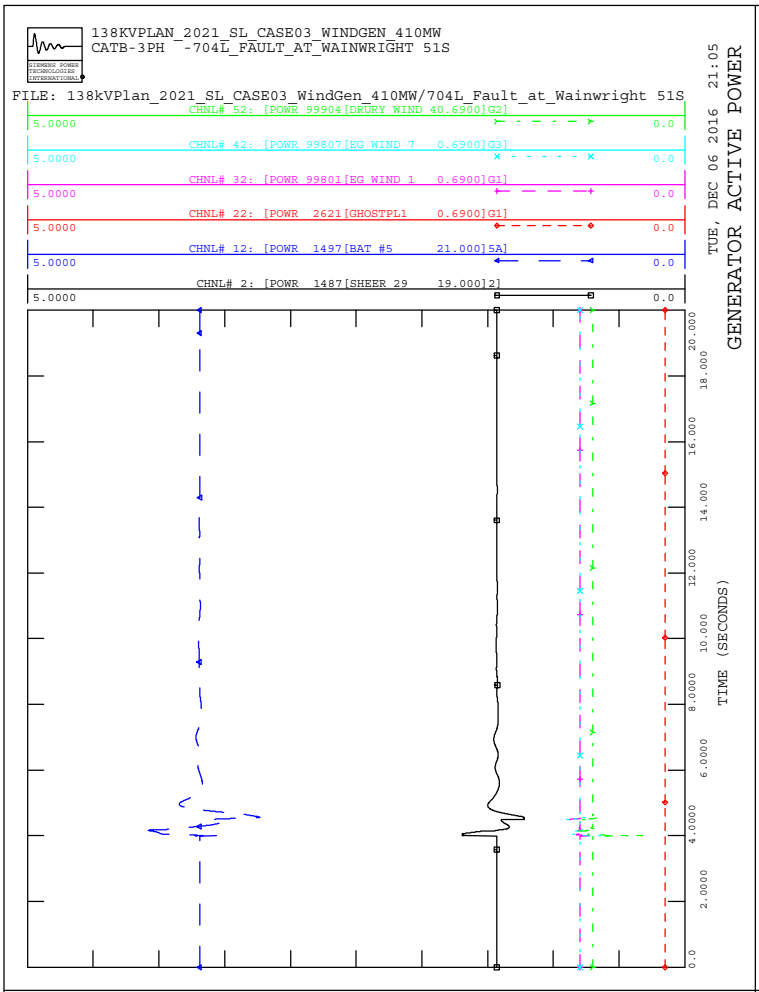
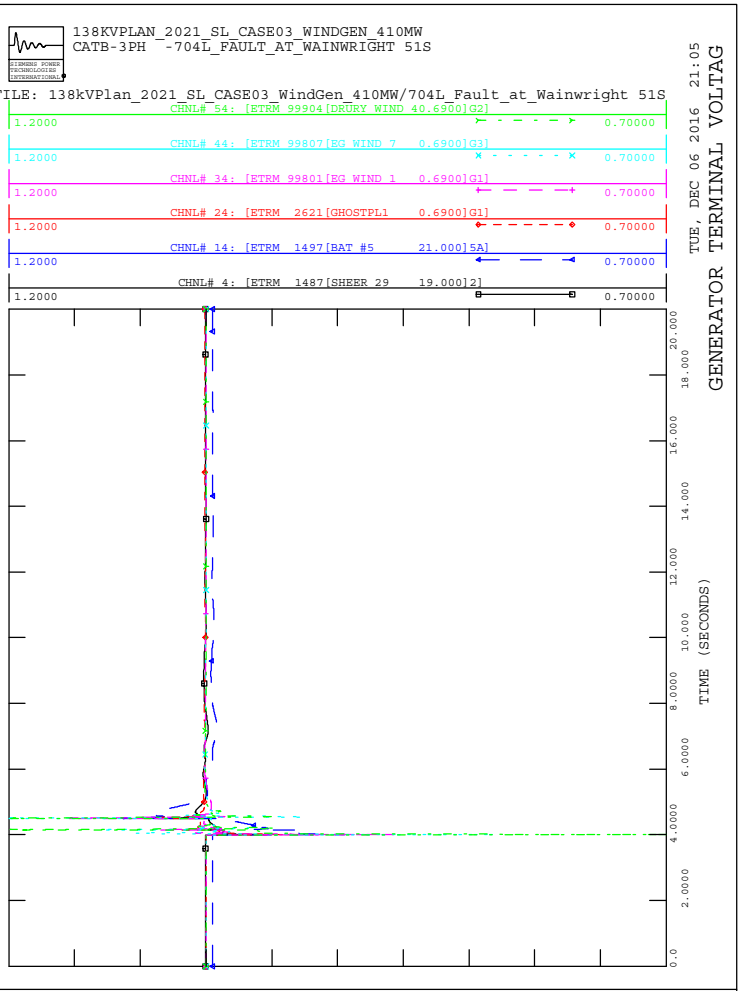
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S
TUE, DEC 06 2016 21:05
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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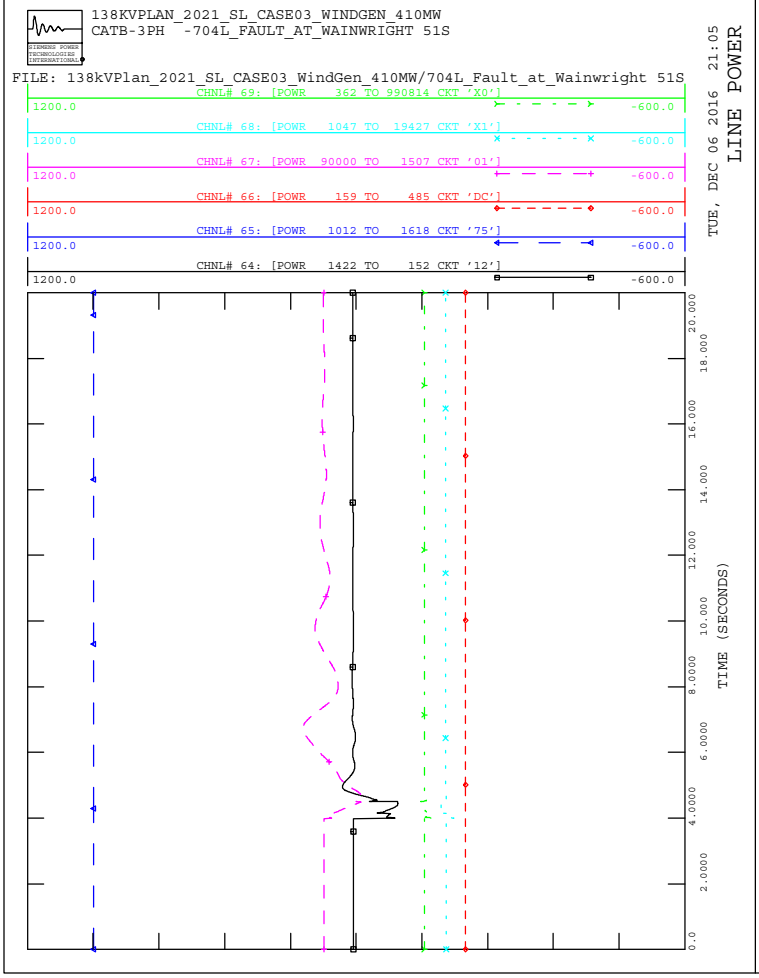
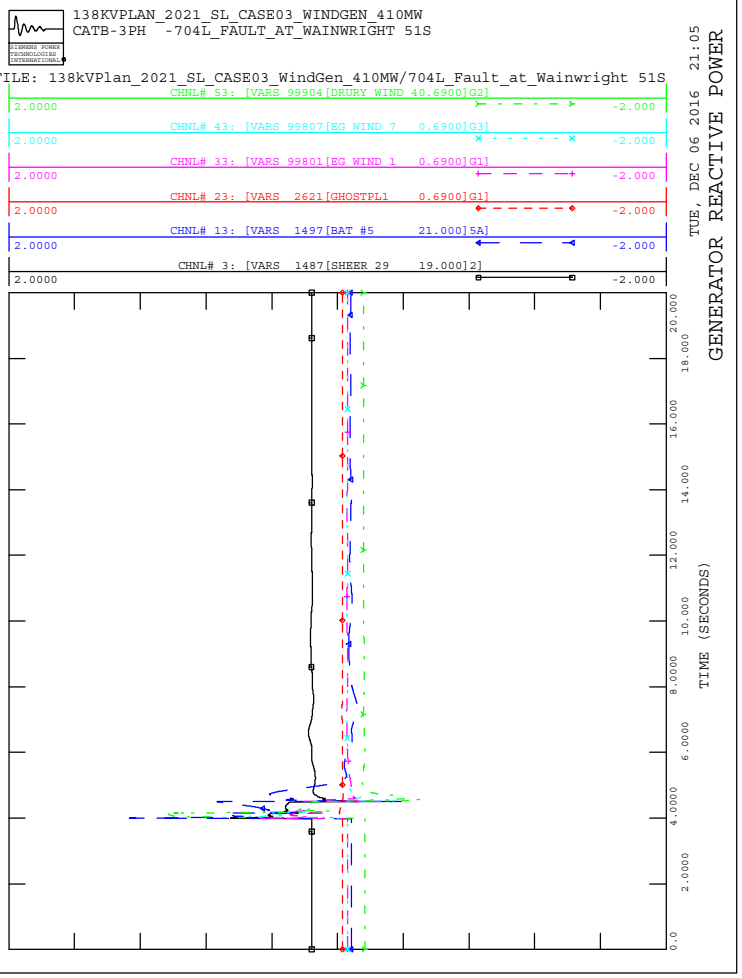
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:05

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:05

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:05

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

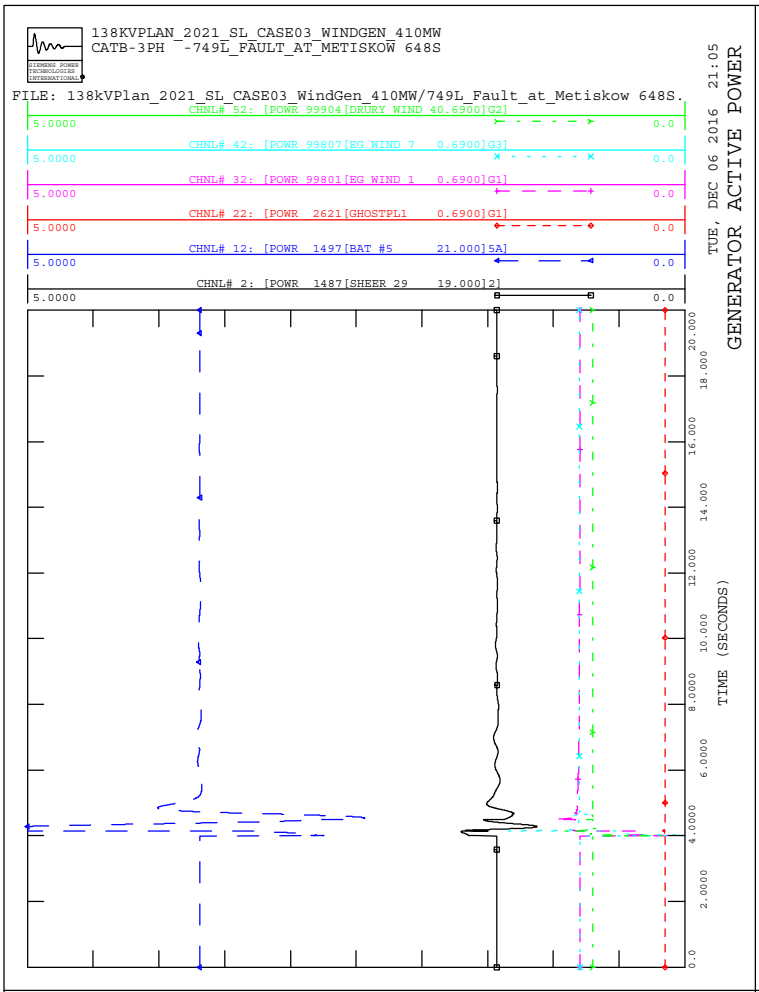
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.

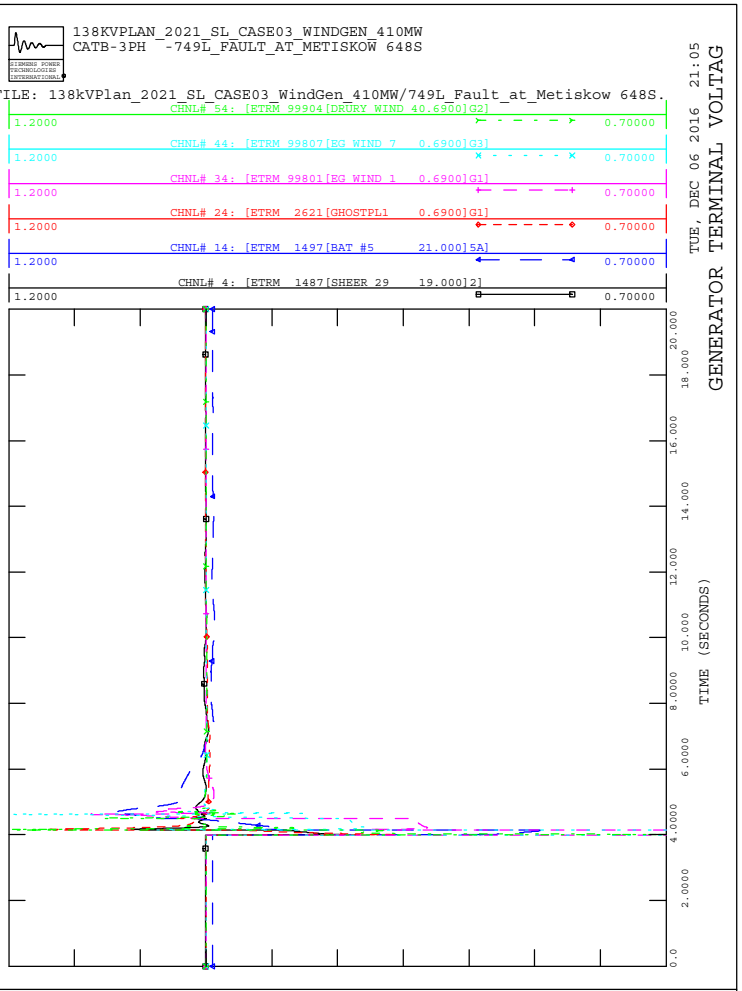
TUE, DEC 06 2016 21:05

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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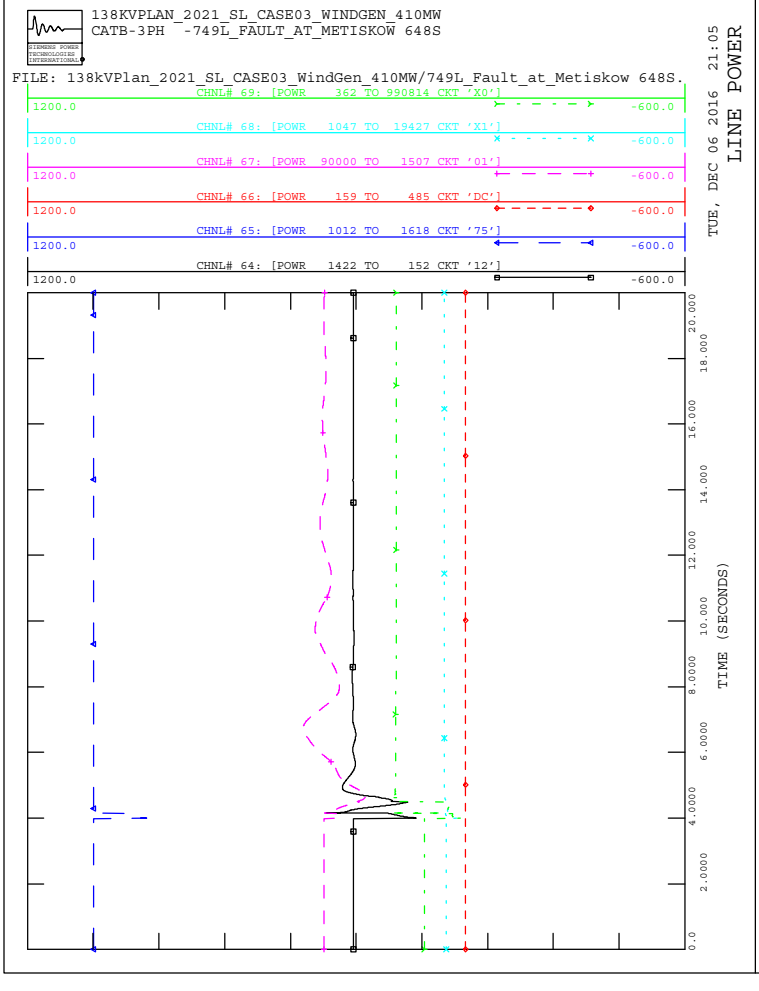
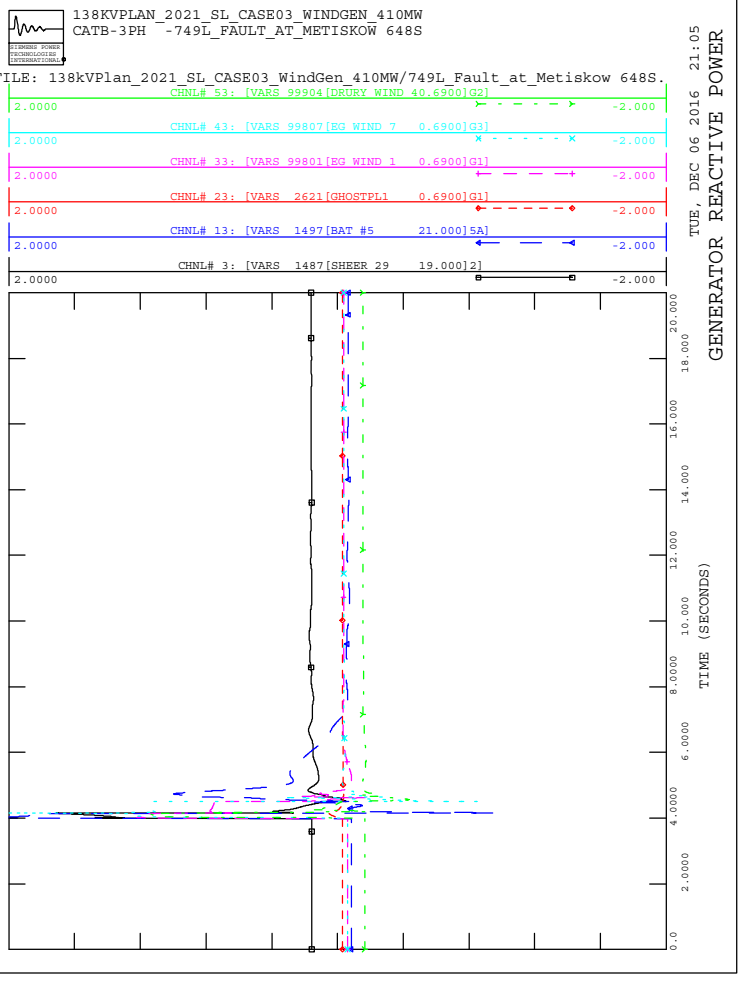
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

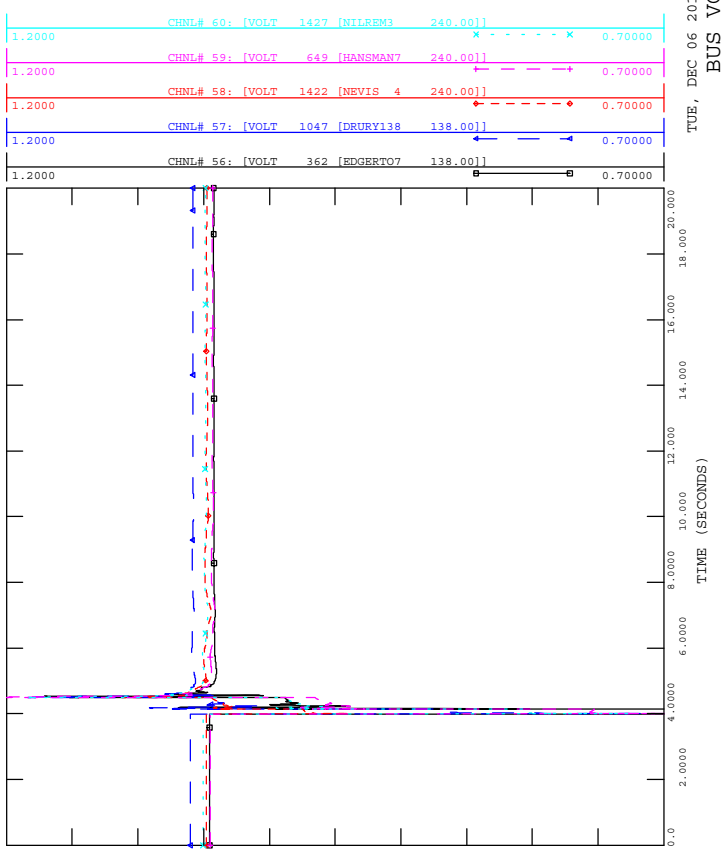

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.

TUE, DEC 06 2016 21:05

BUS VOLTAGE

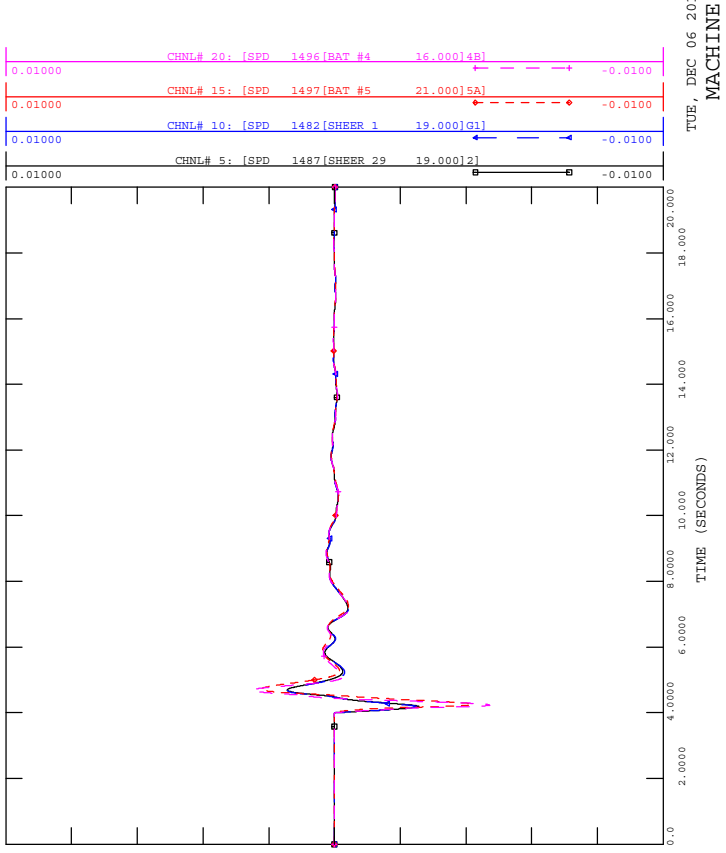


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.

TUE, DEC 06 2016 21:05

MACHINE SPEED

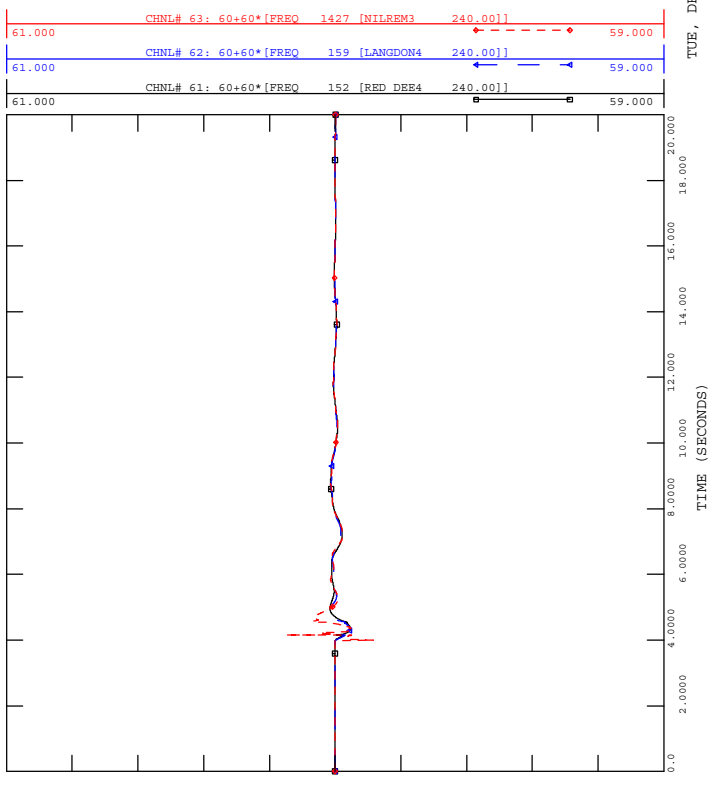


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.

TUE, DEC 06 2016 21:05

FREQUENCY

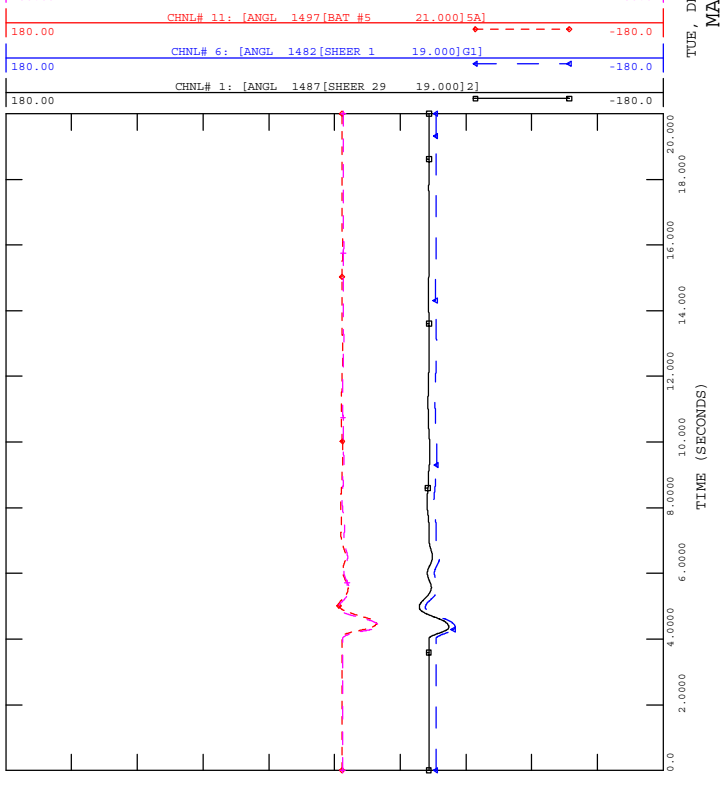


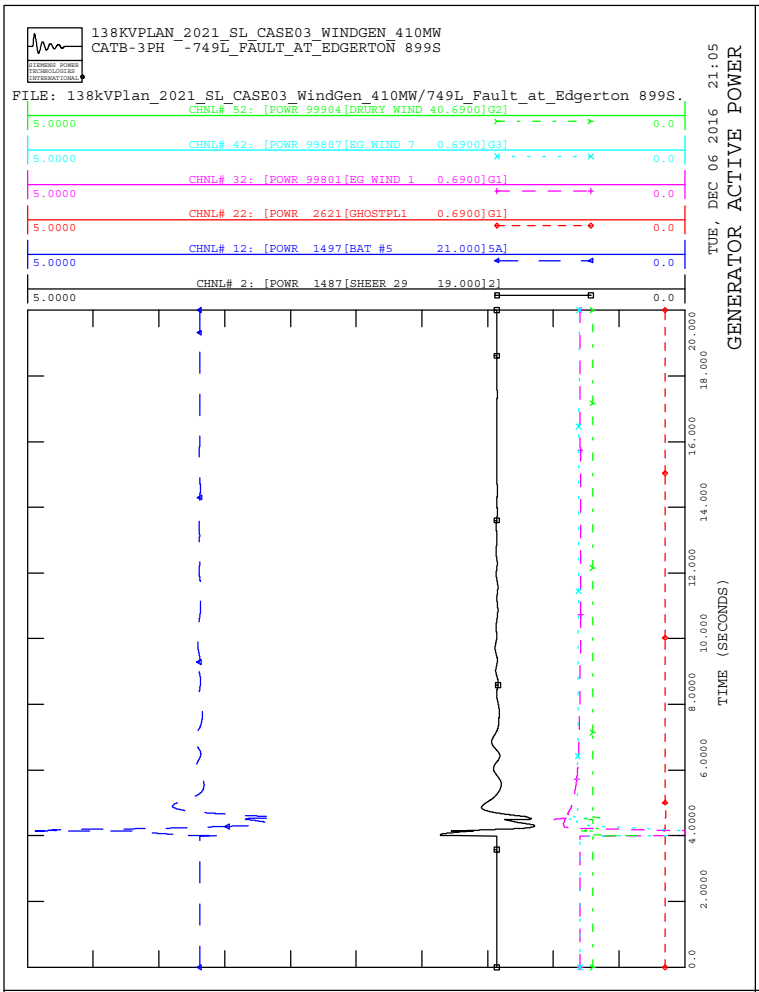
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

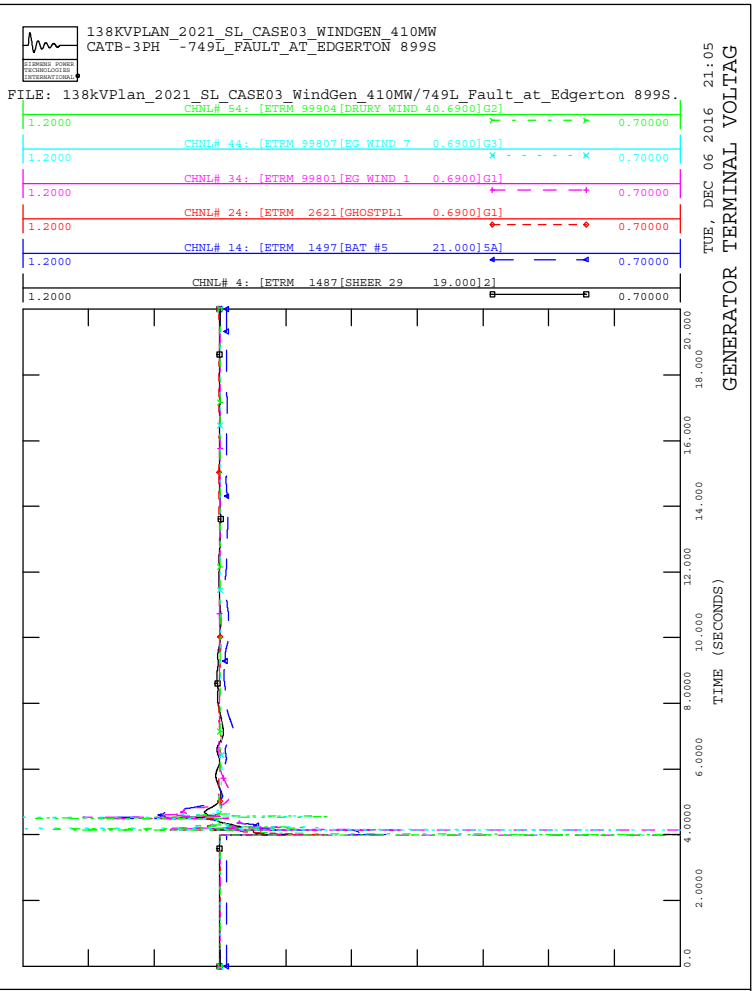
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.

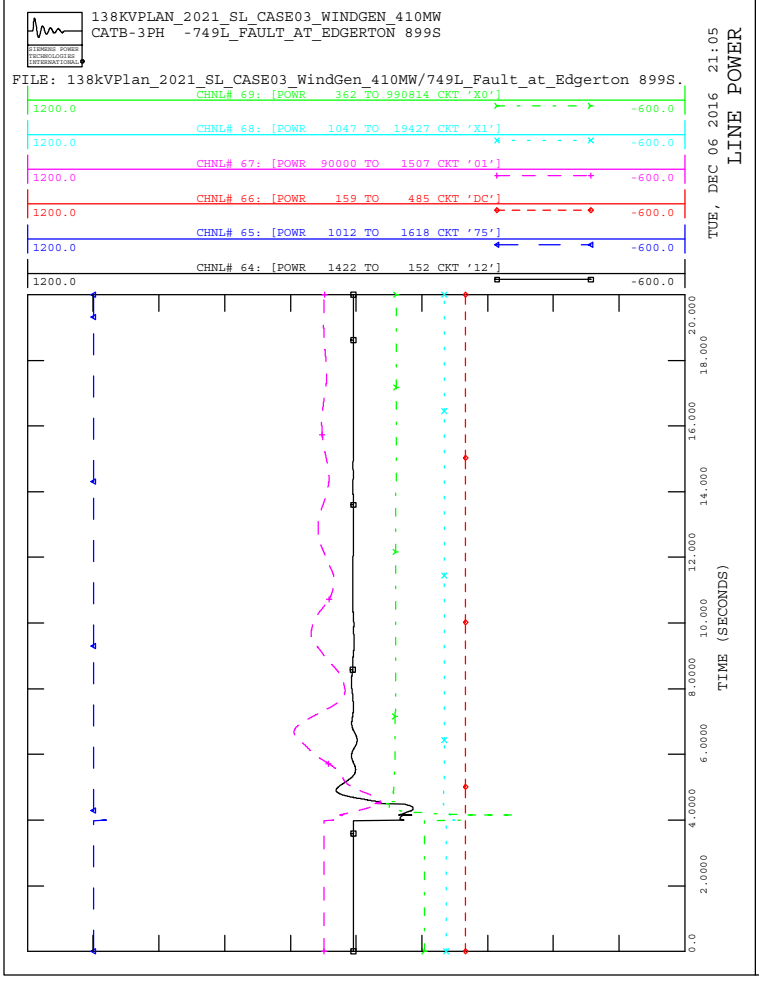
TUE, DEC 06 2016 21:05

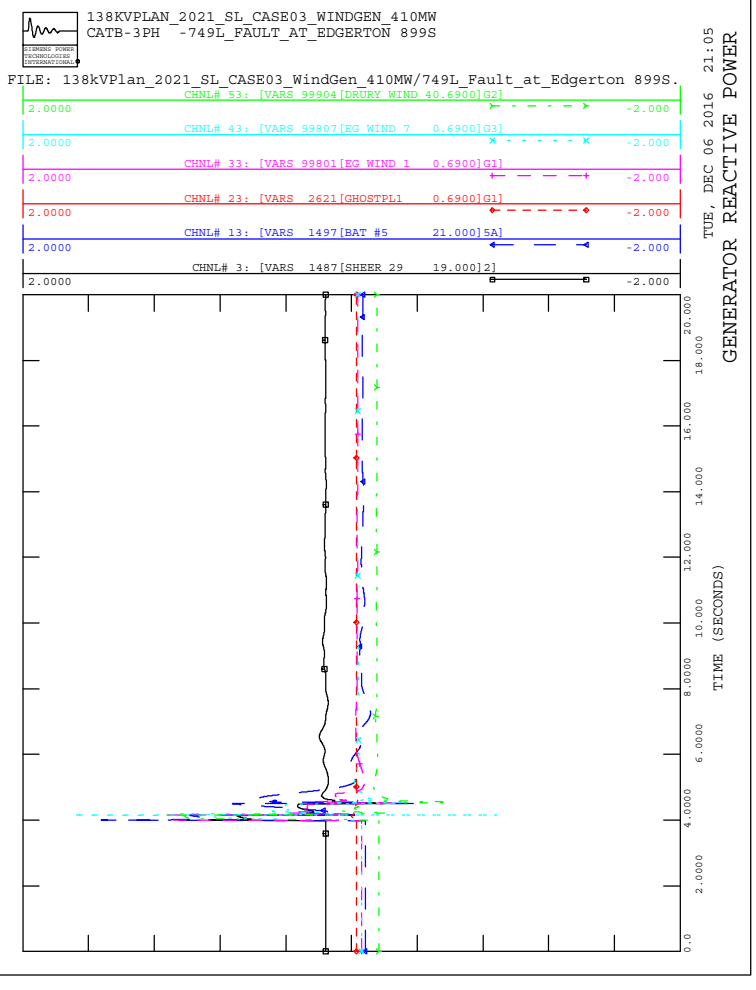
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

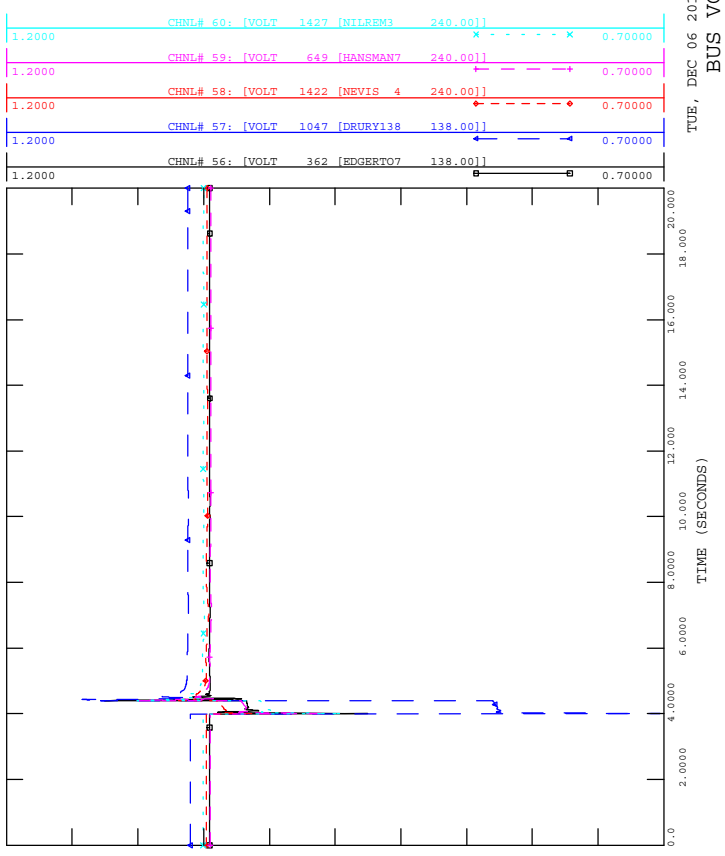

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:05

BUS VOLTAGE

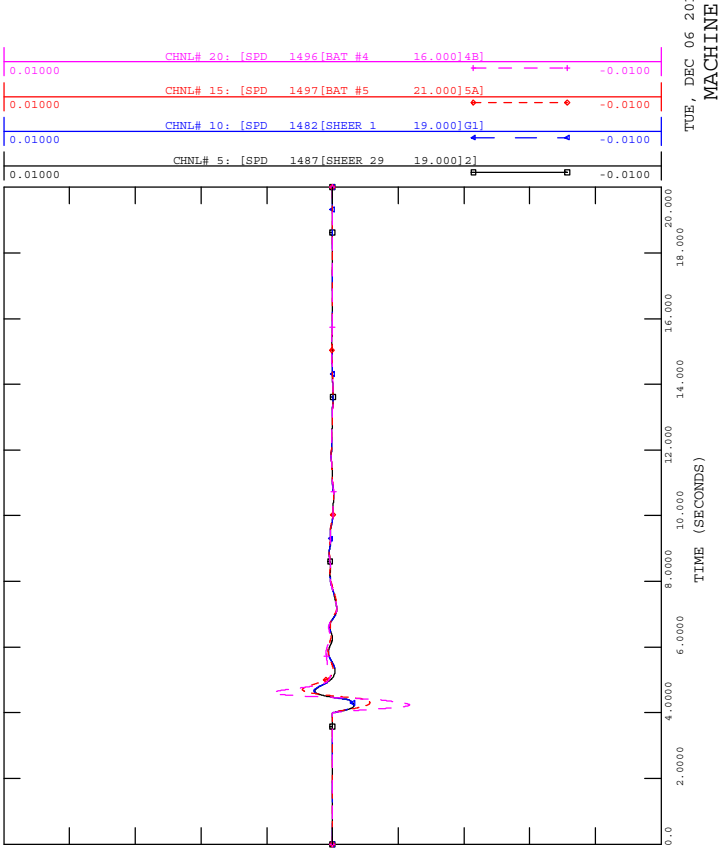


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:05

MACHINE SPEED

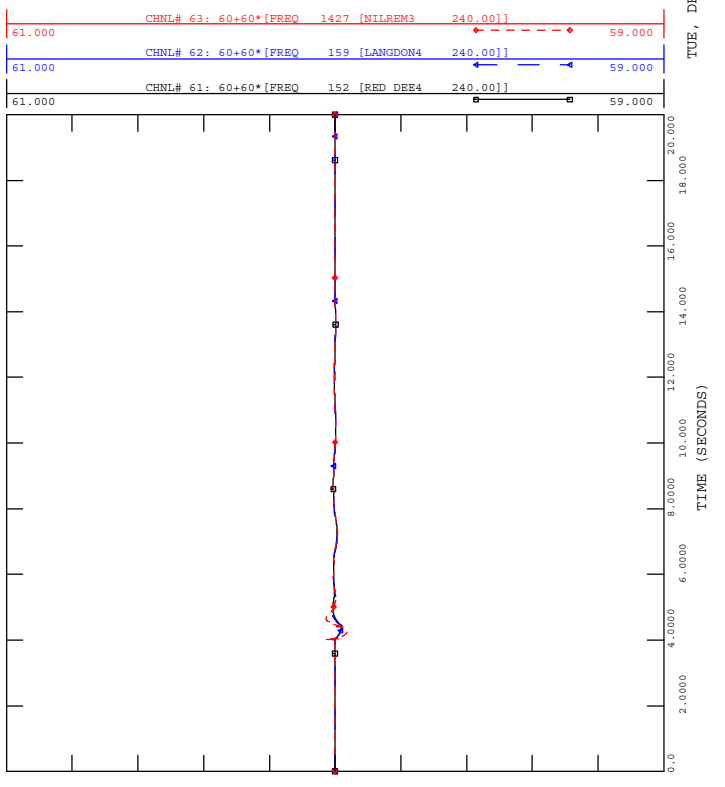


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:05

FREQUENCY

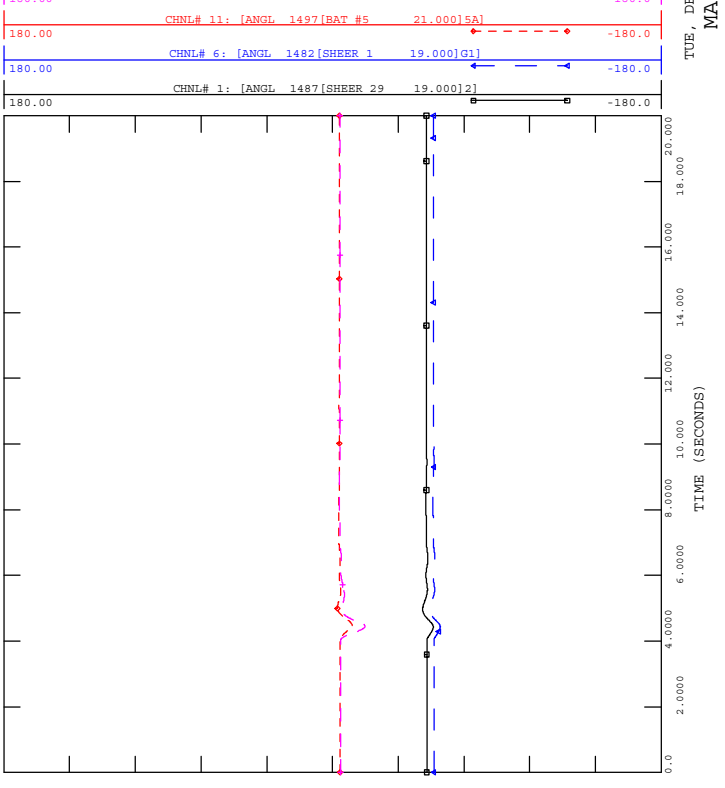


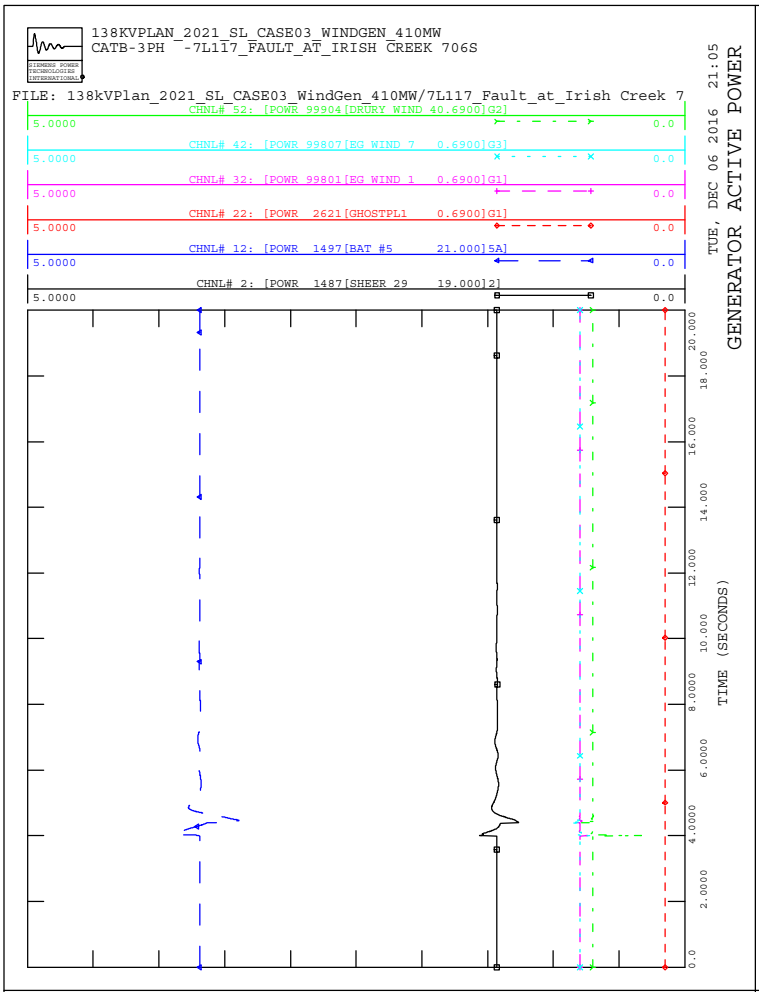
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

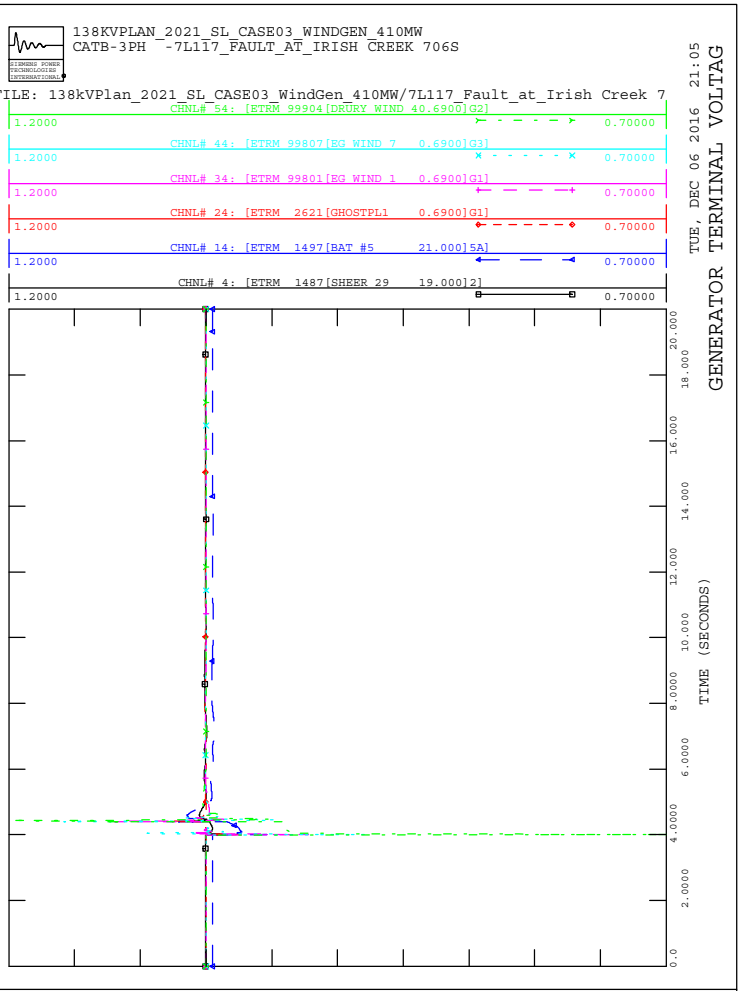
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7

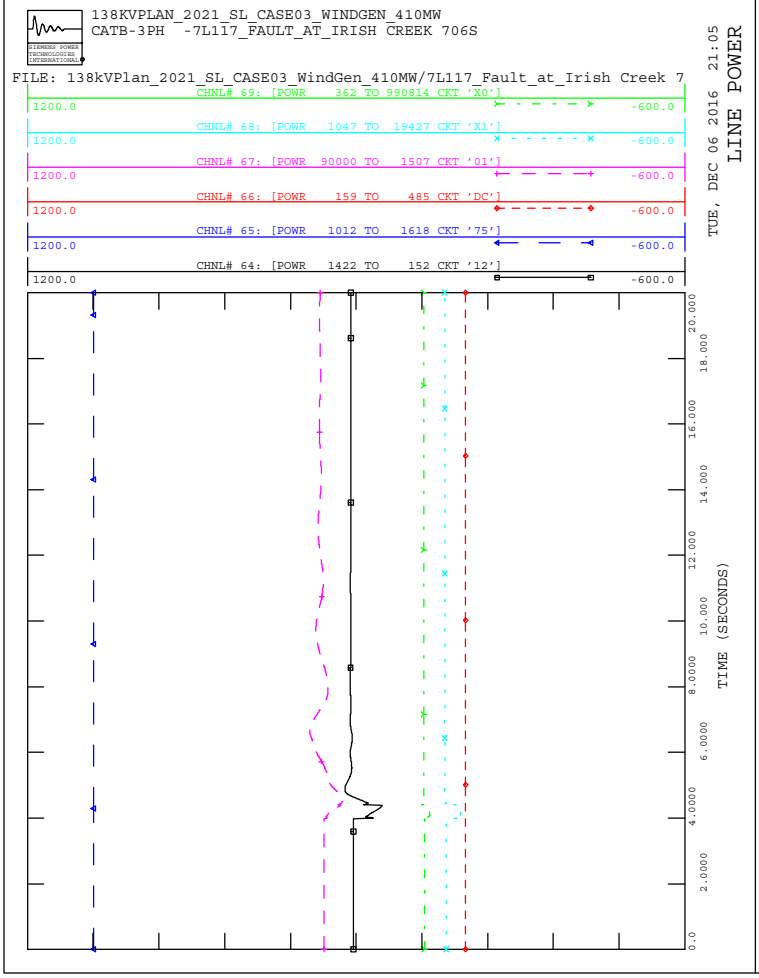
TUE, DEC 06 2016 21:05

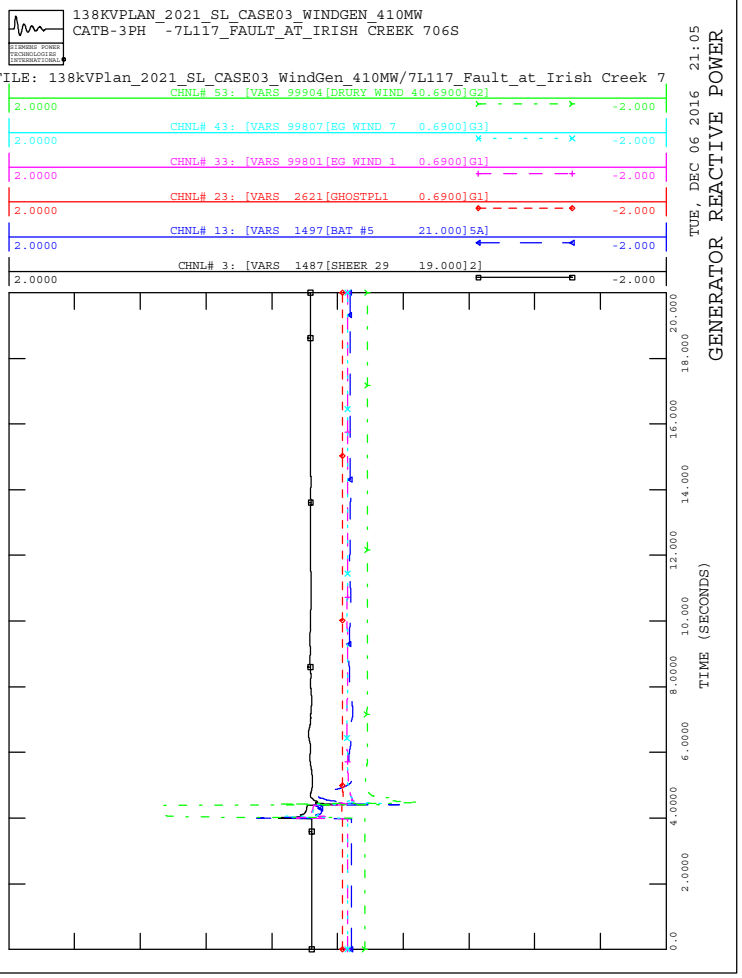
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

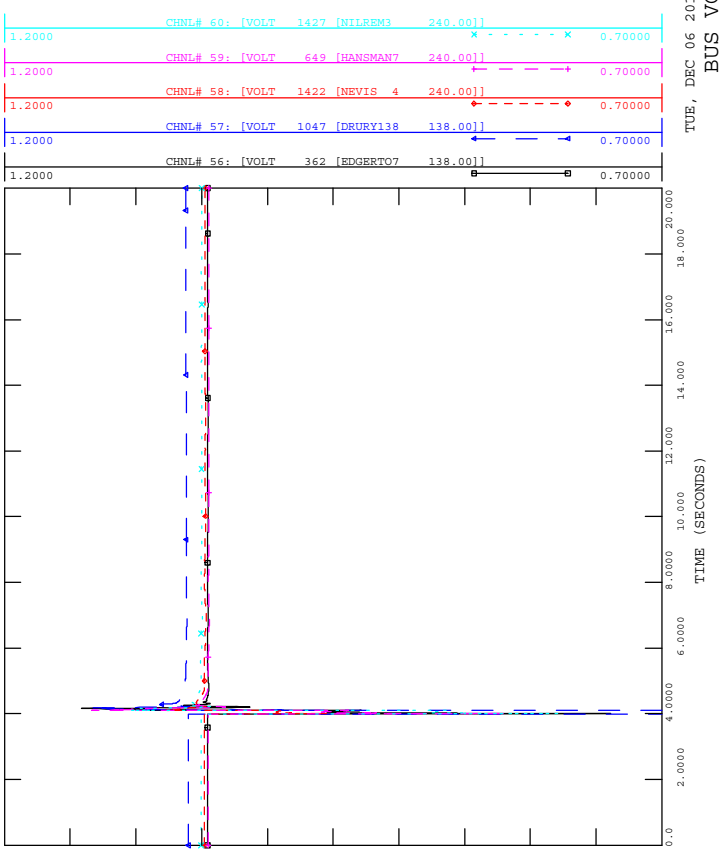

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:05

BUS VOLTAGE

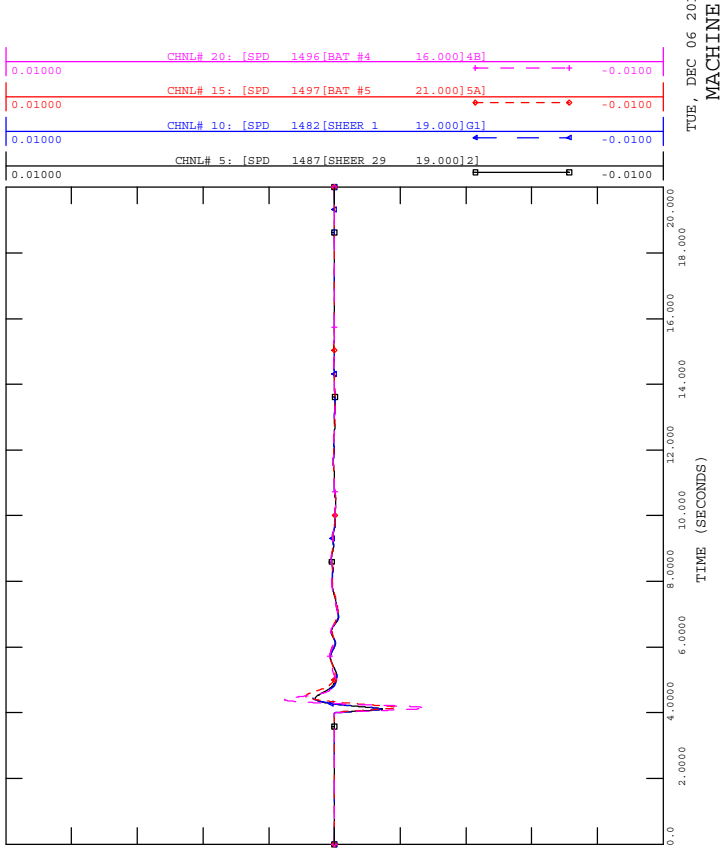


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:05

MACHINE SPEED

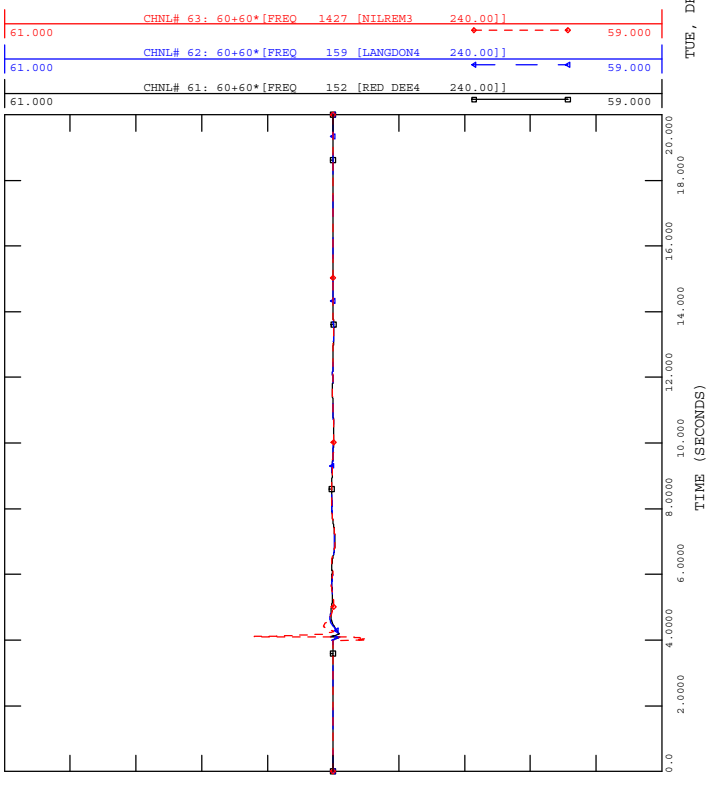


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:05

FREQUENCY

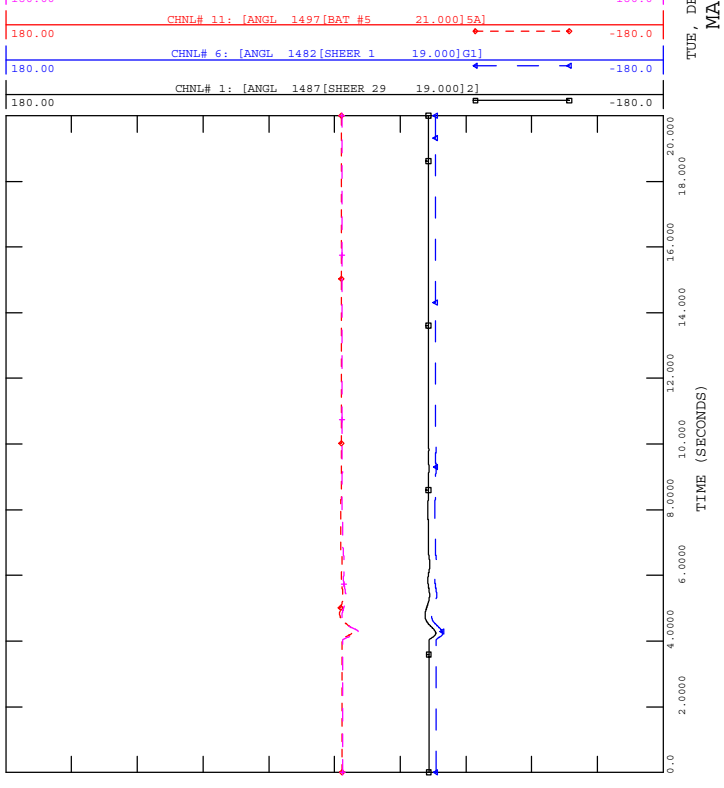


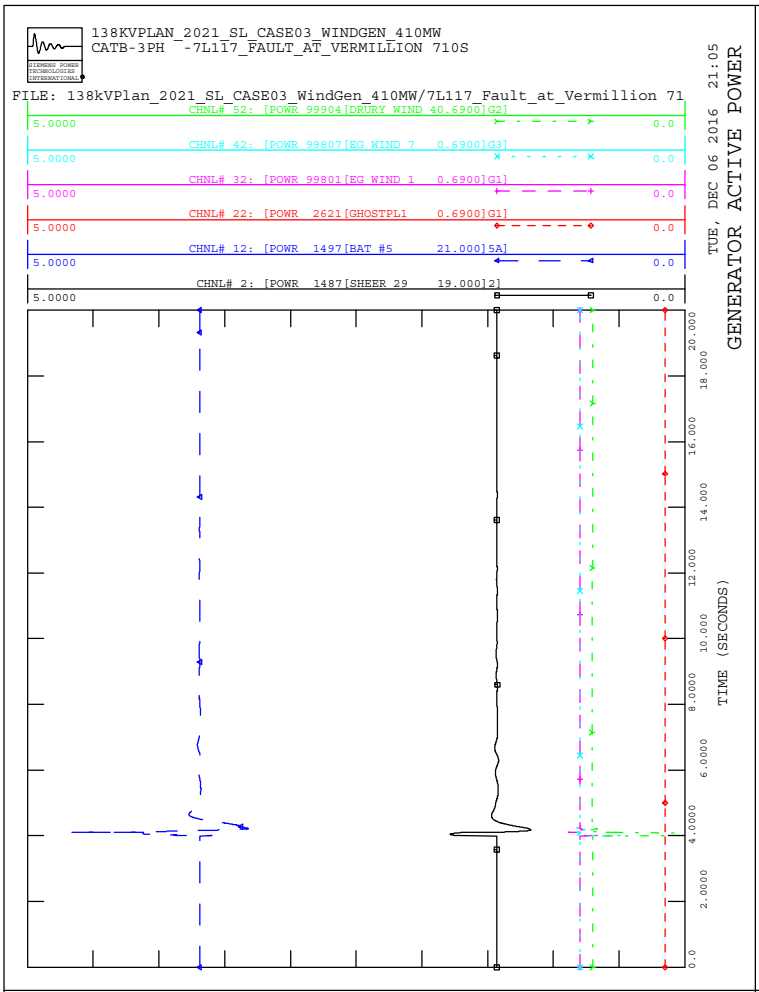
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

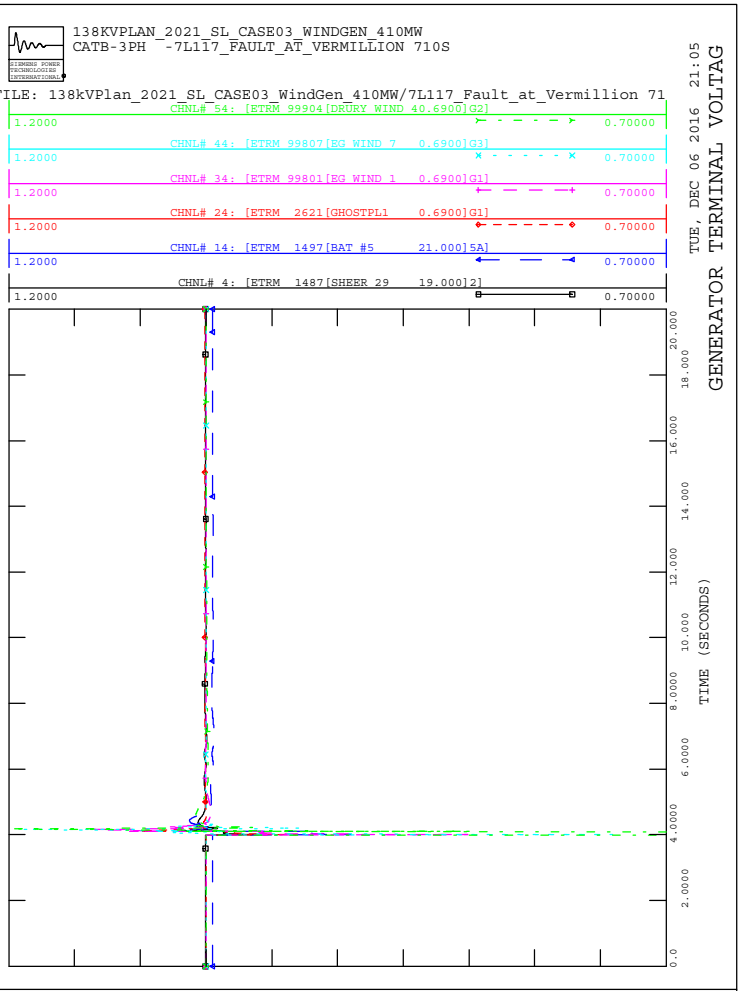
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71

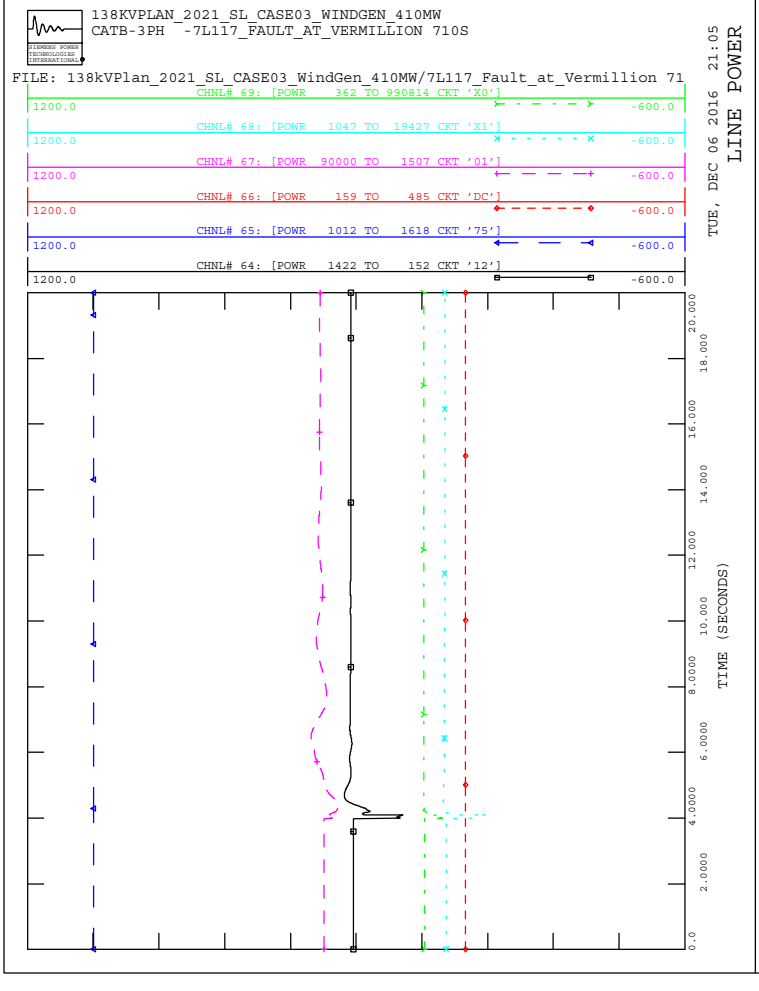
TUE, DEC 06 2016 21:05

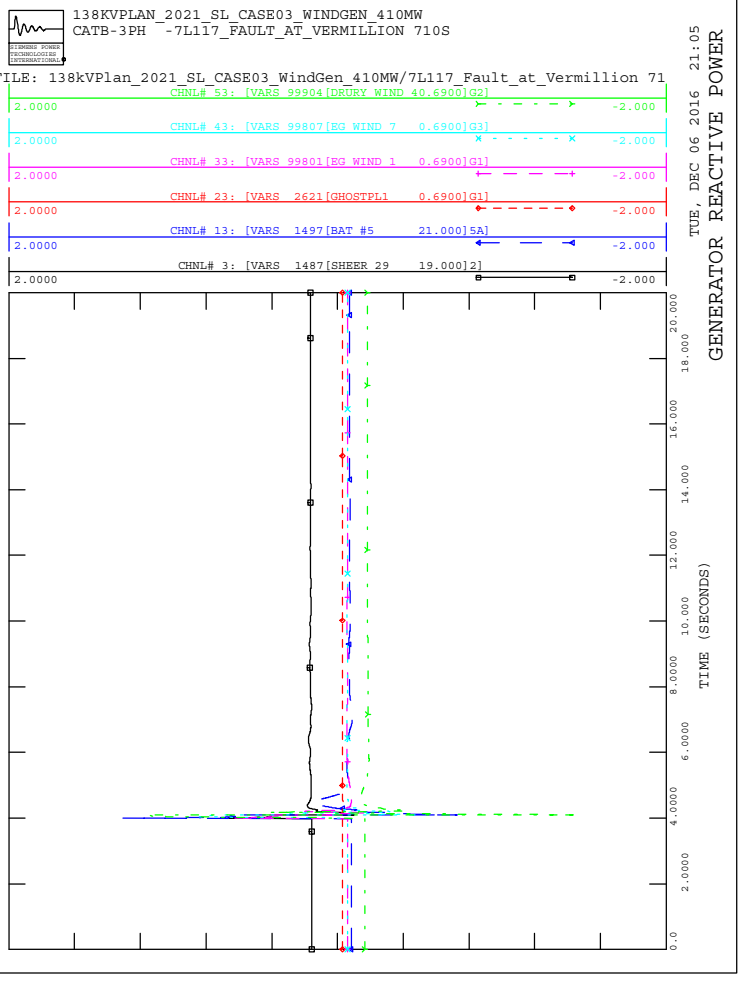
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

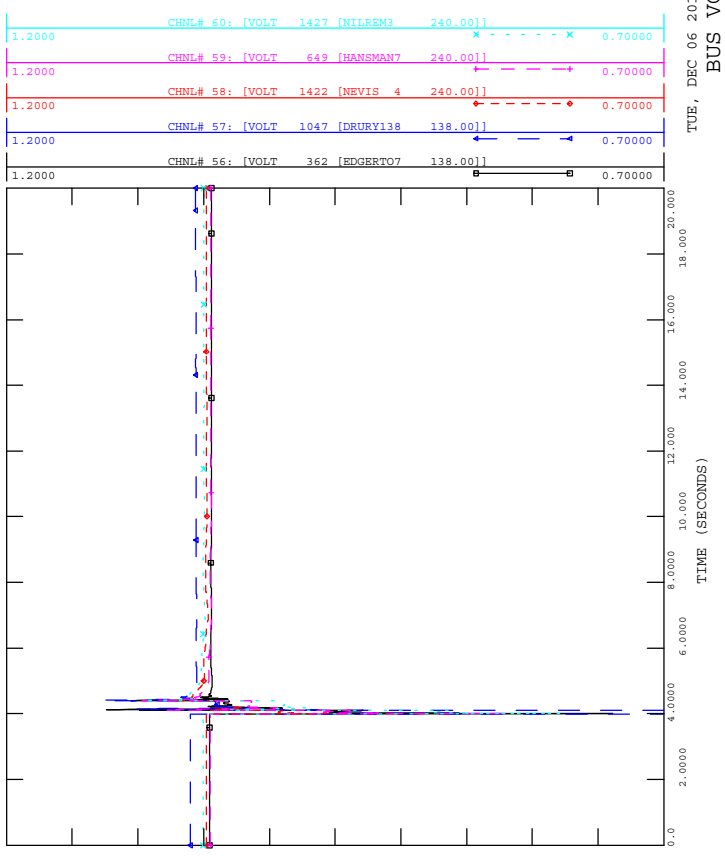

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:05

BUS VOLTAGE

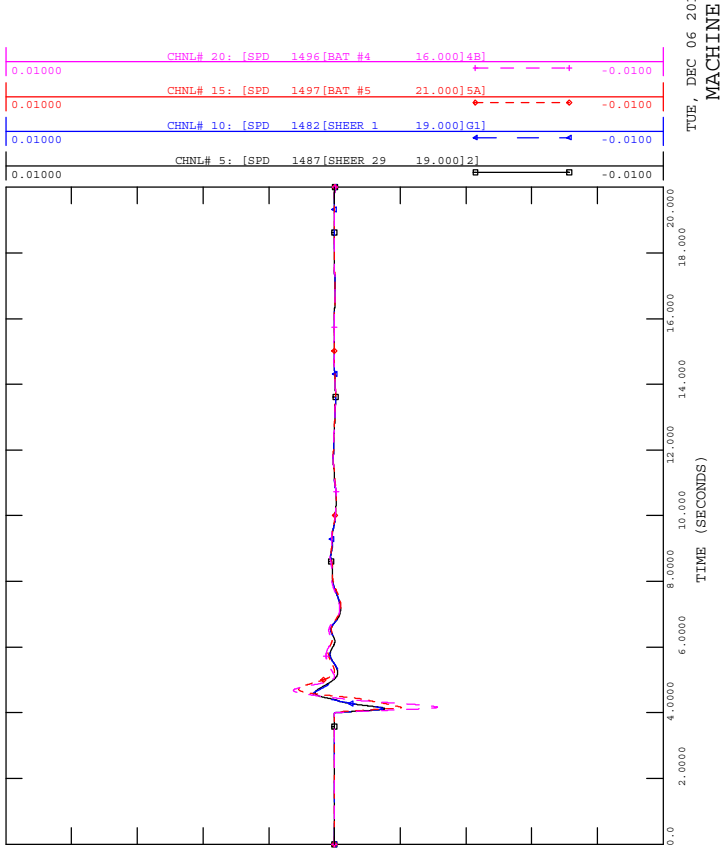


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:05

MACHINE SPEED

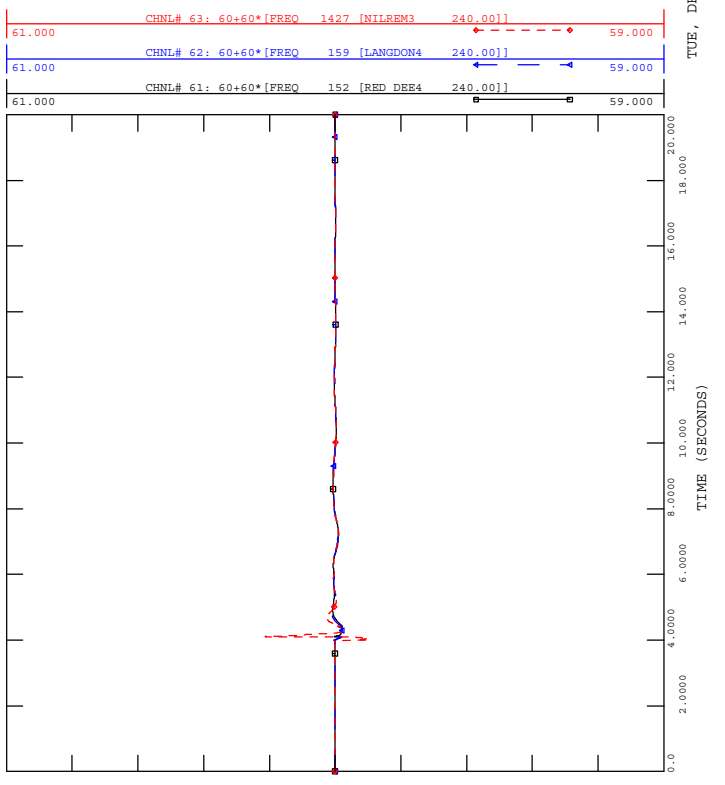


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:05

FREQUENCY

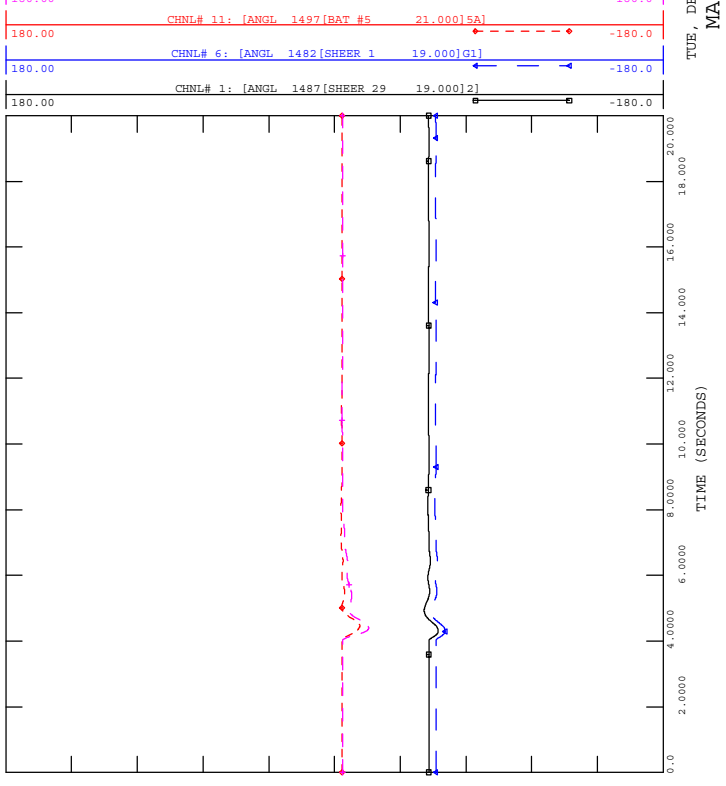


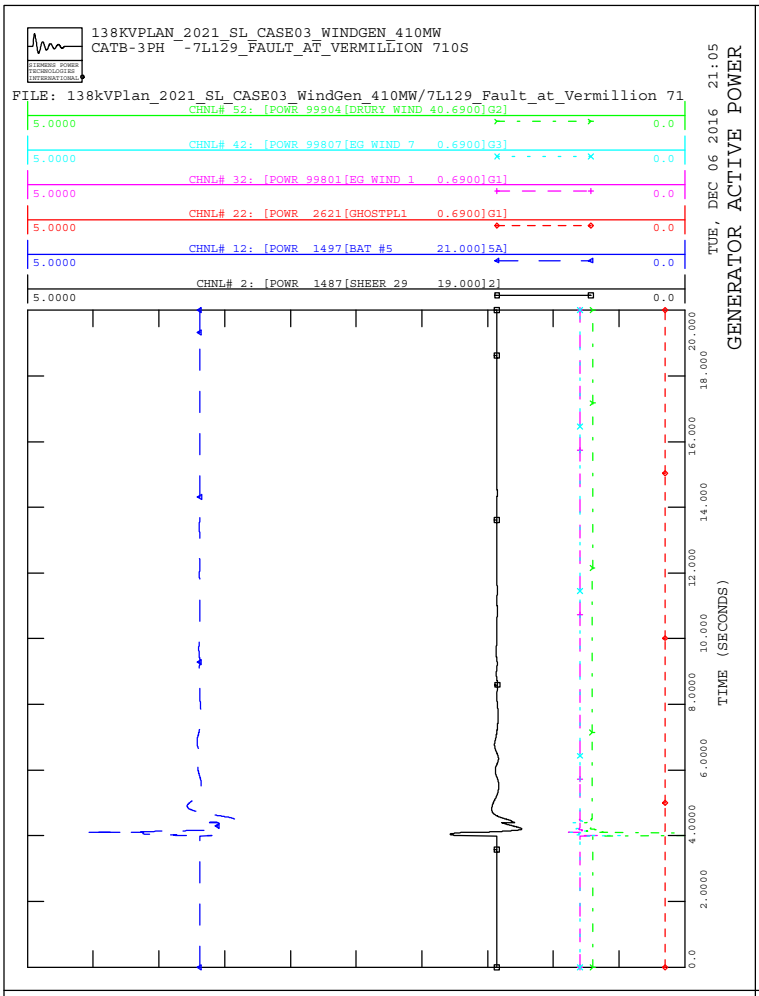
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

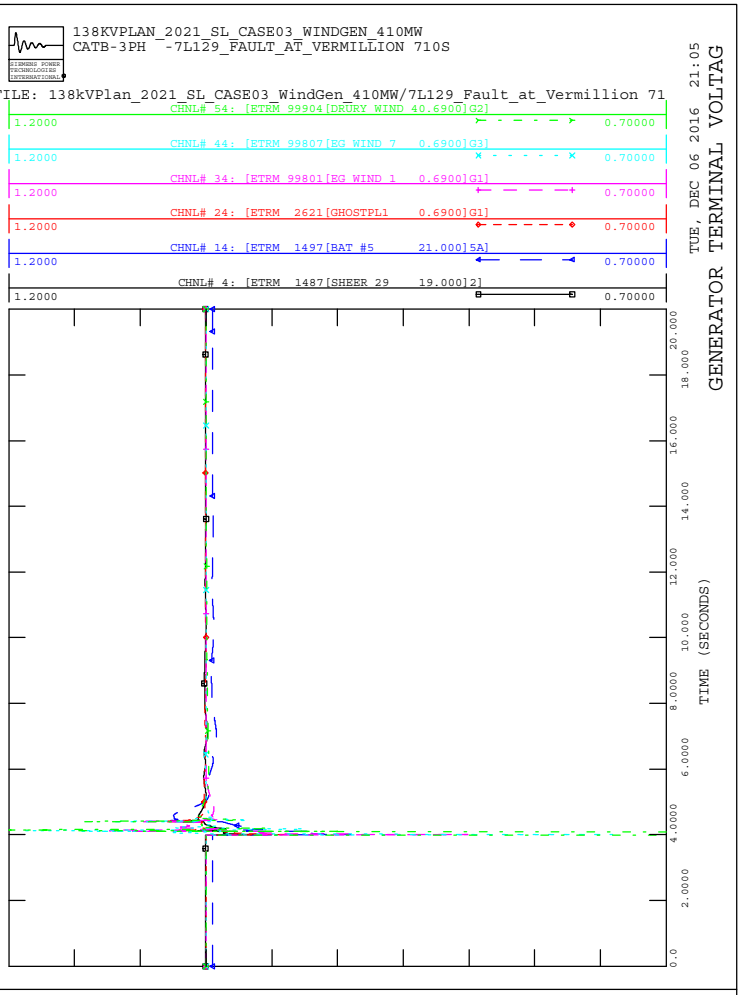
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71

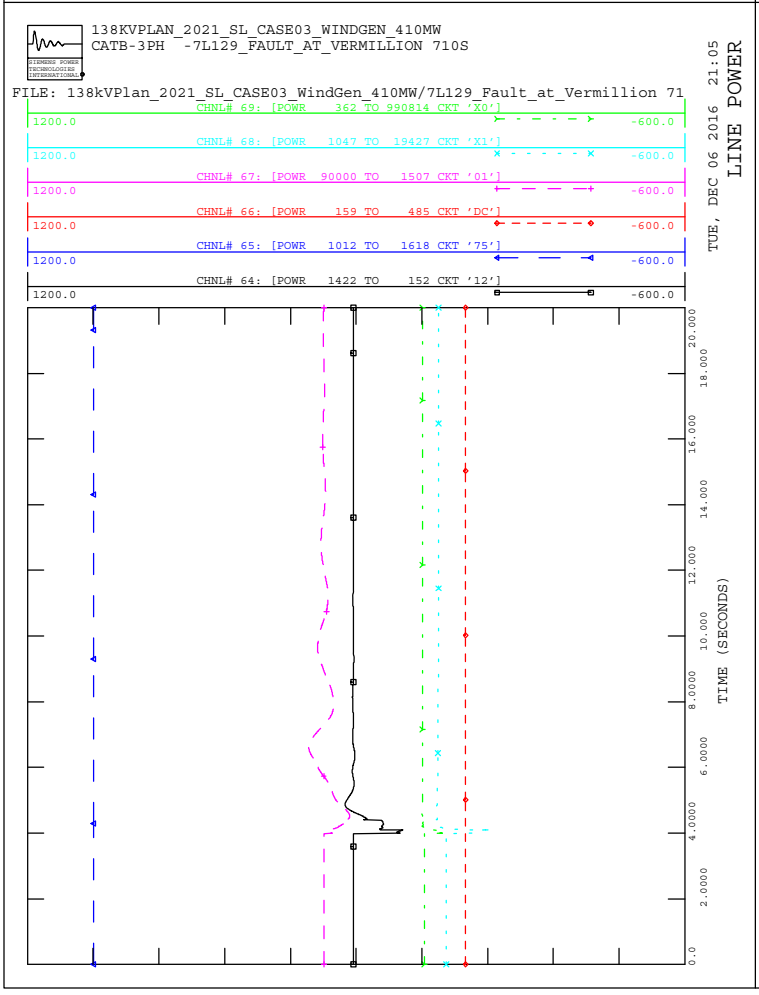
TUE, DEC 06 2016 21:05

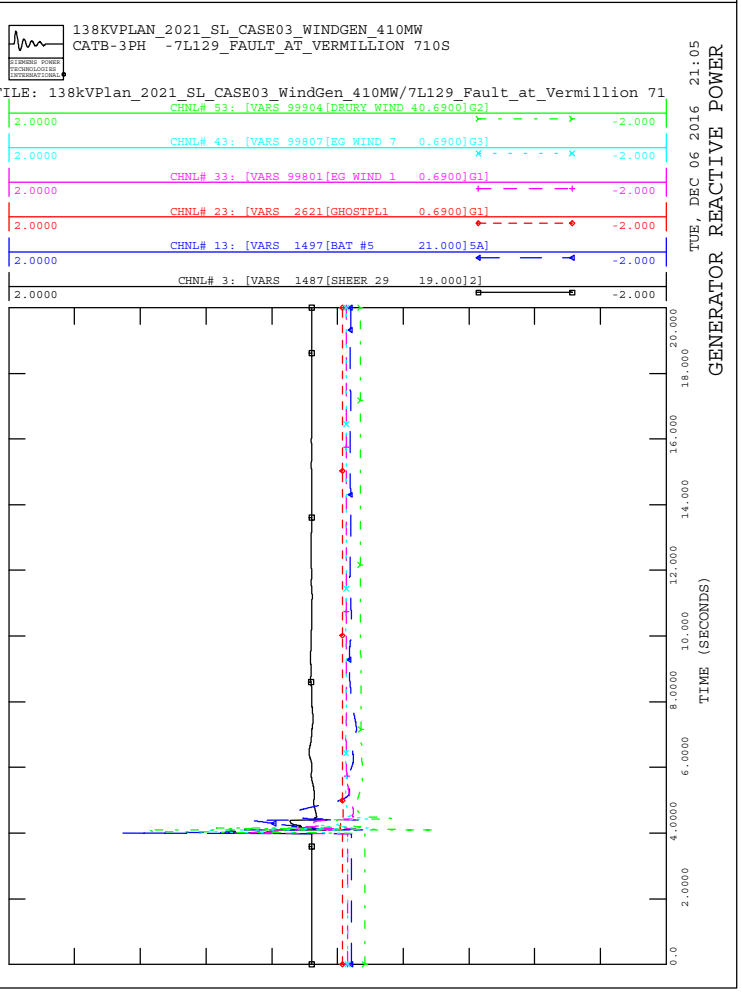
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

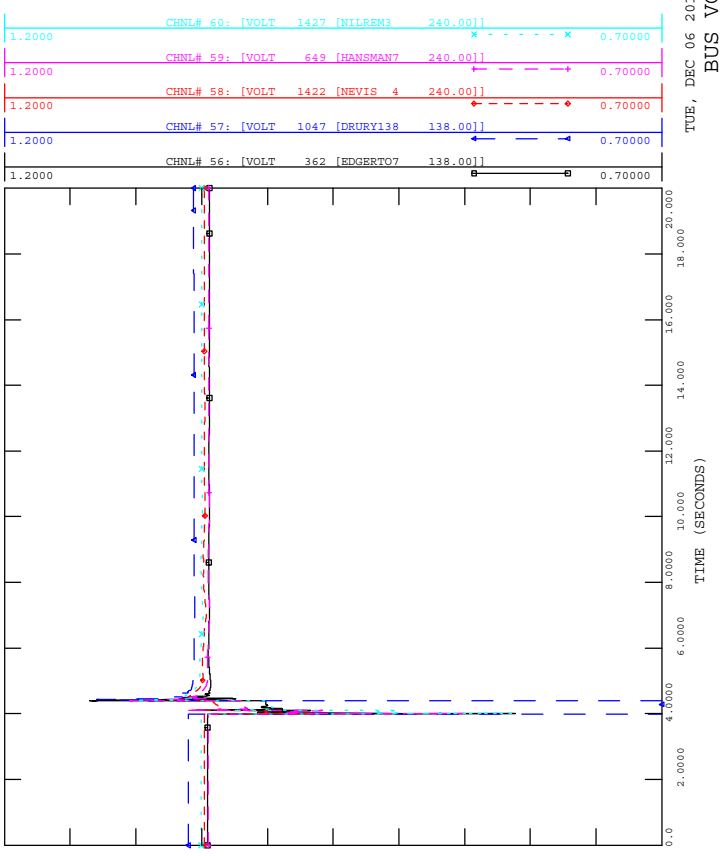

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

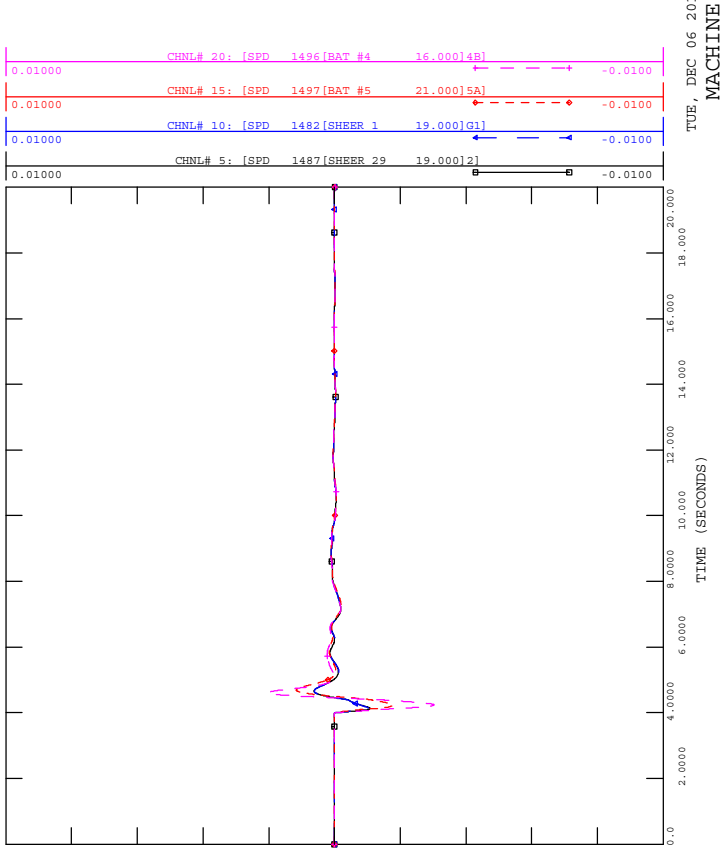
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek



TUE, DEC 06 2016 21:05
BUS VOLTAGE

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

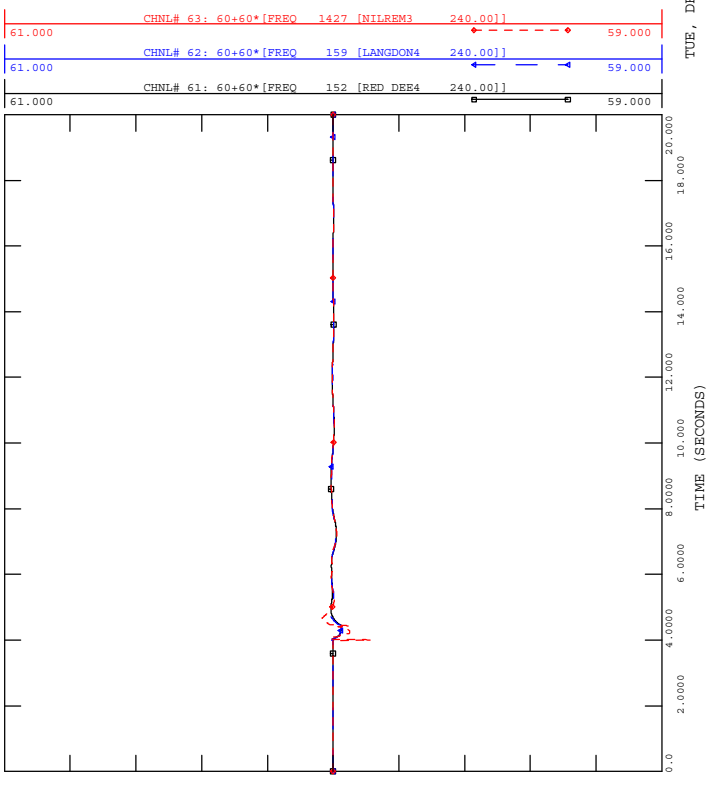
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek



TUE, DEC 06 2016 21:05
MACHINE SPEED

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

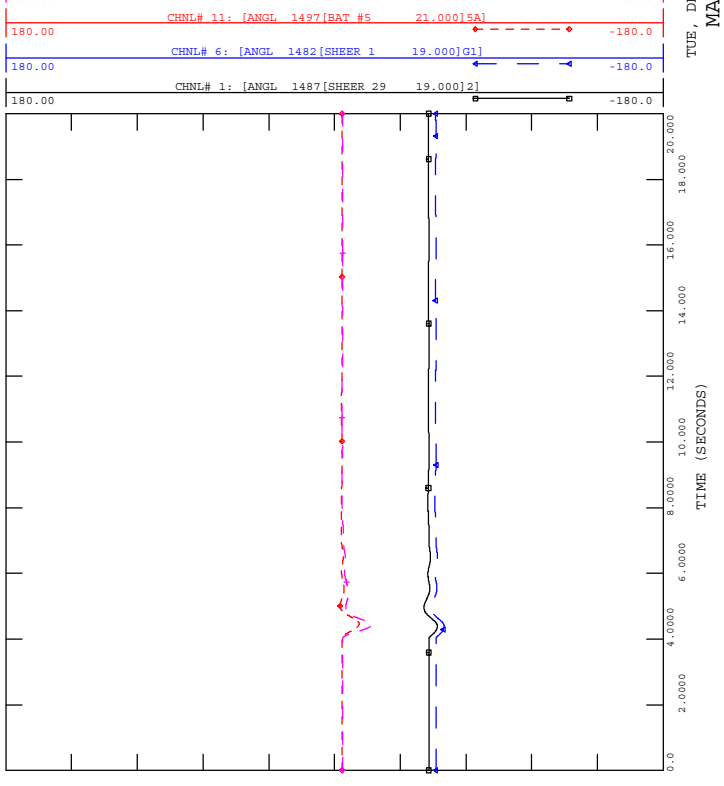
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek



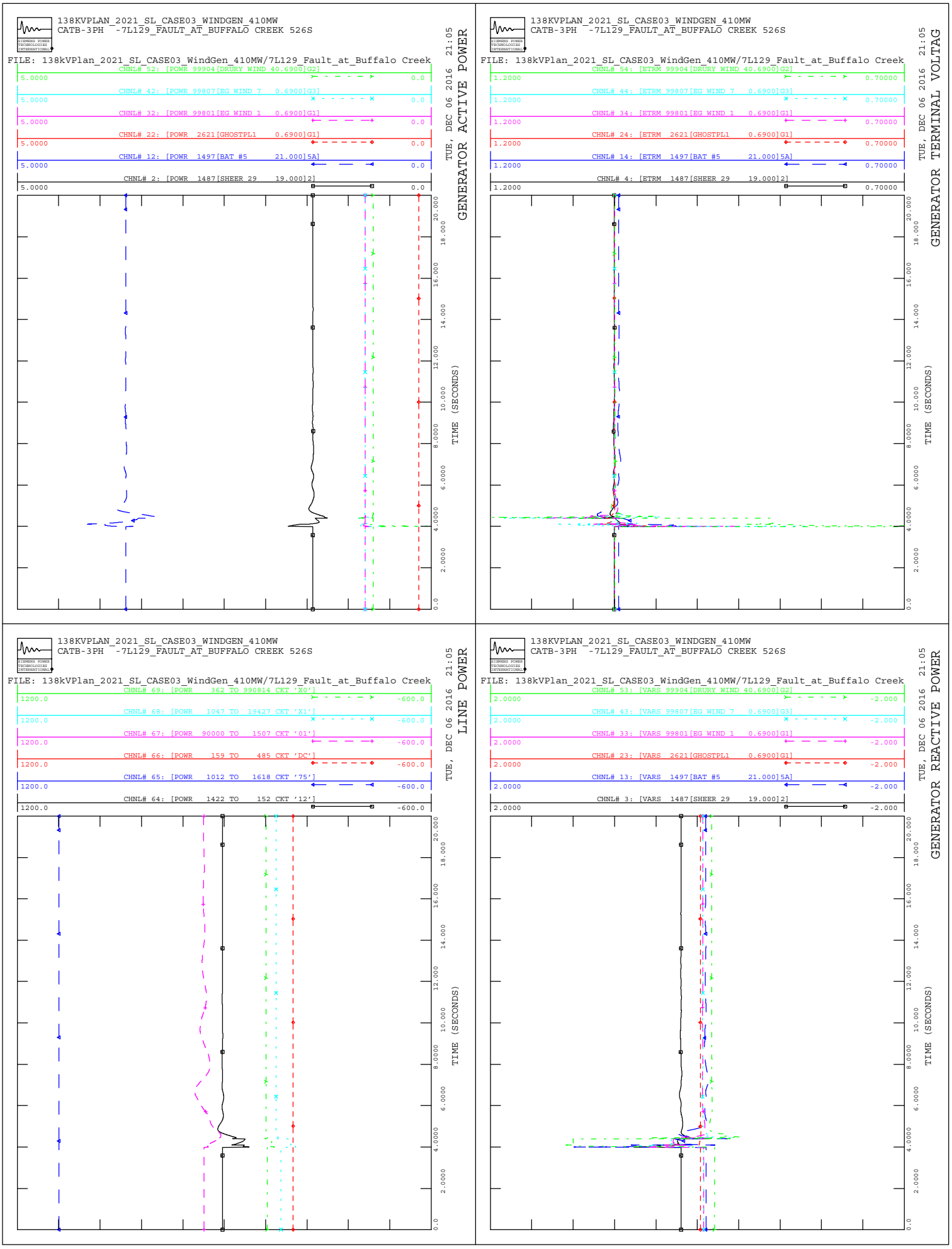
TUE, DEC 06 2016 21:05
FREQUENCY

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek



TUE, DEC 06 2016 21:05
MACHINE ANGLE

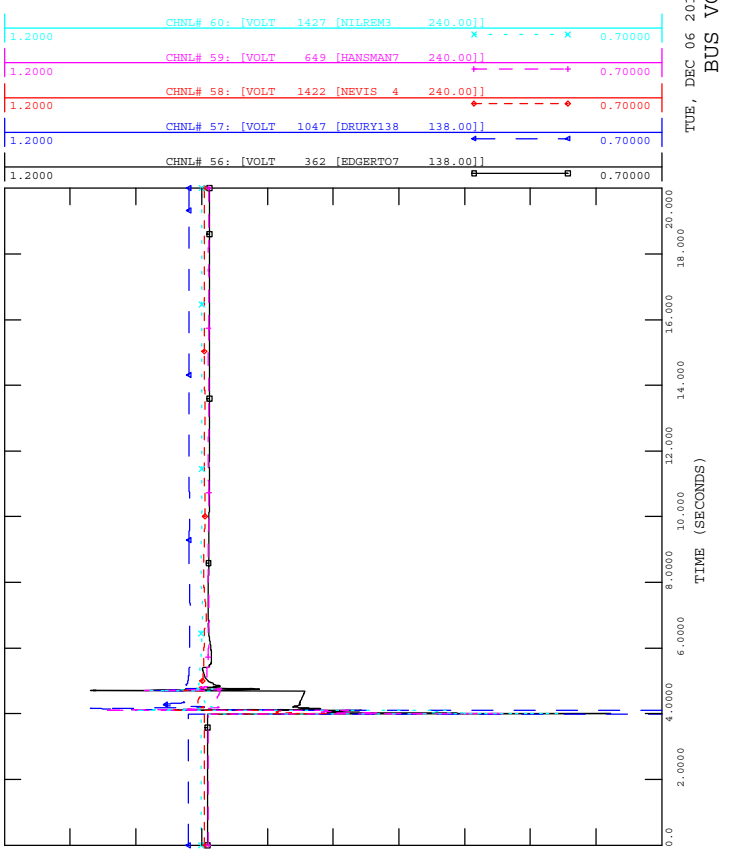

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:05

BUS VOLTAGE

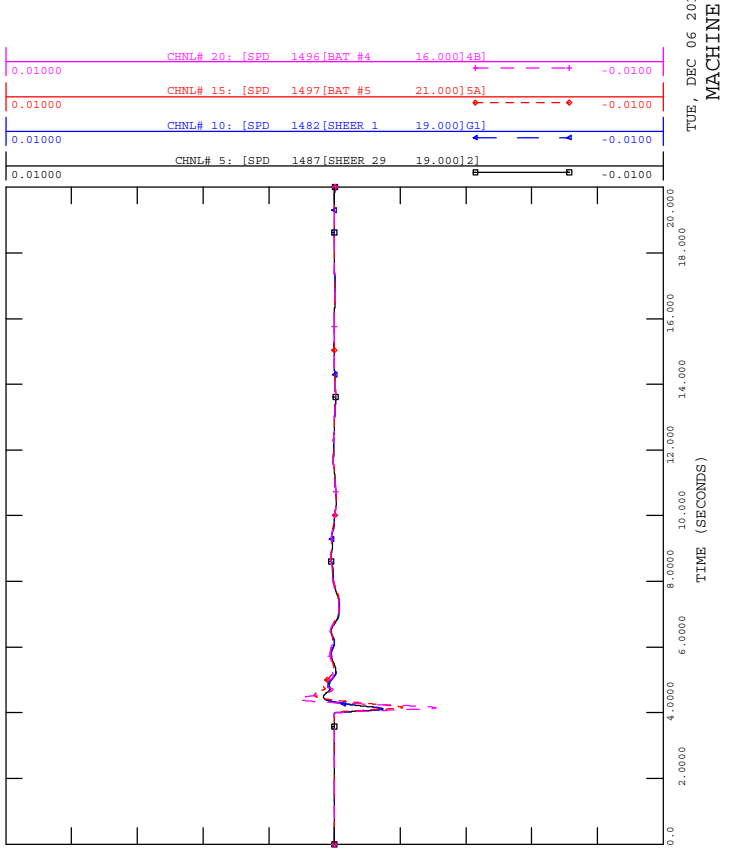


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:05

MACHINE SPEED

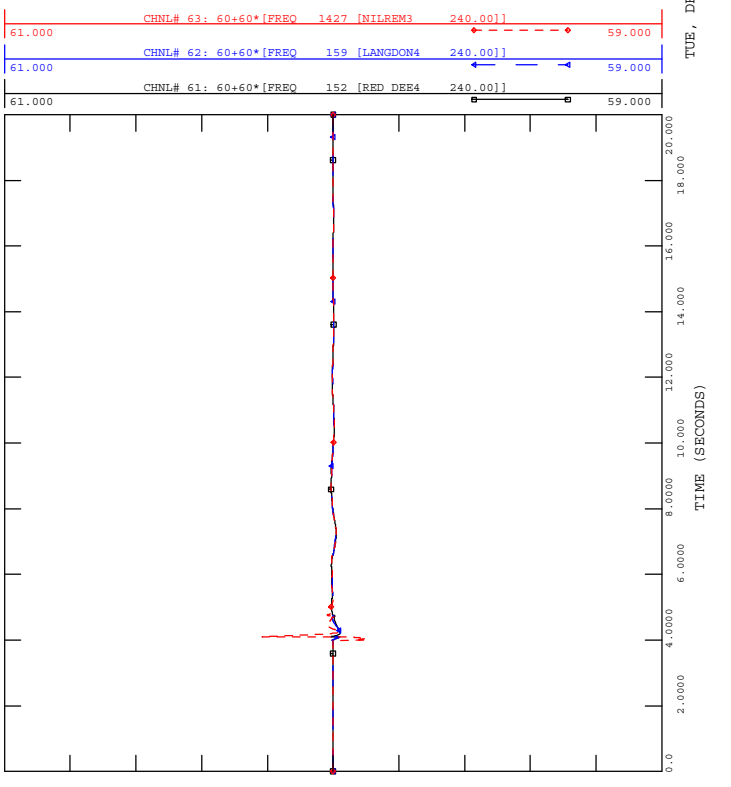


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:05

FREQUENCY

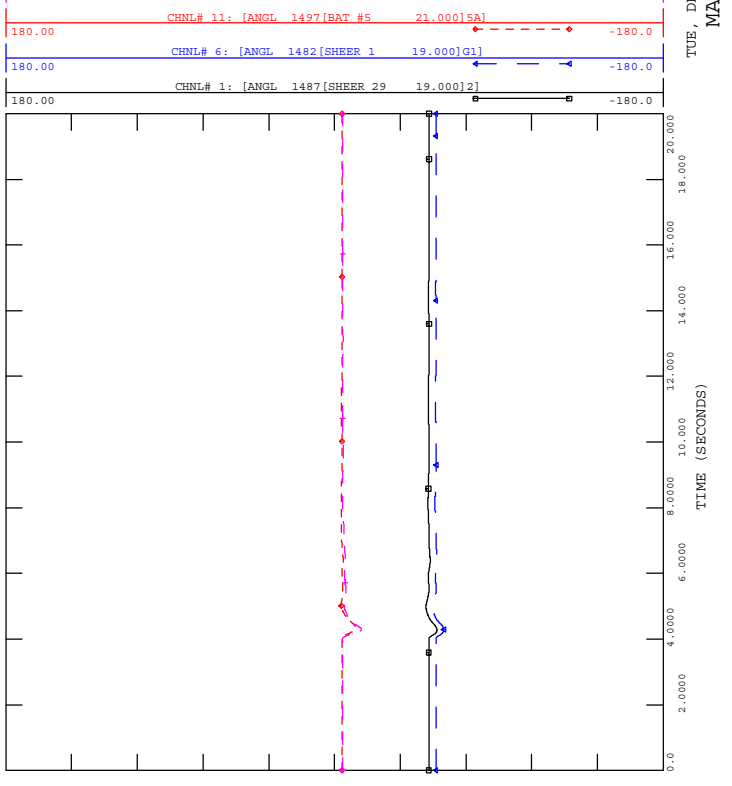


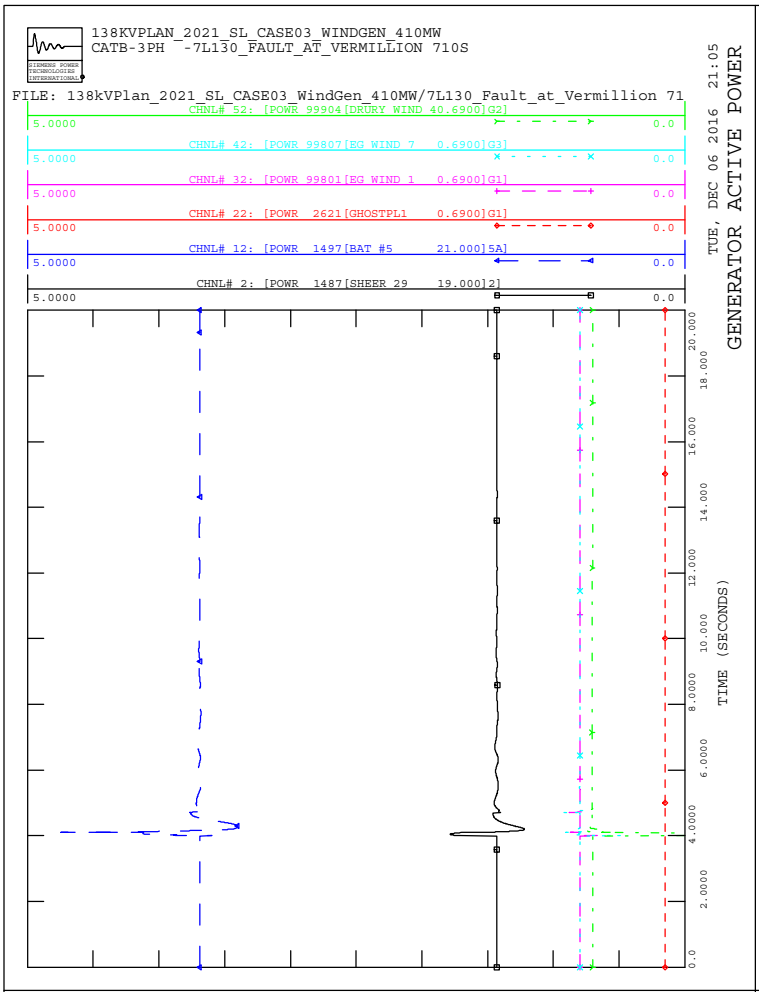
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

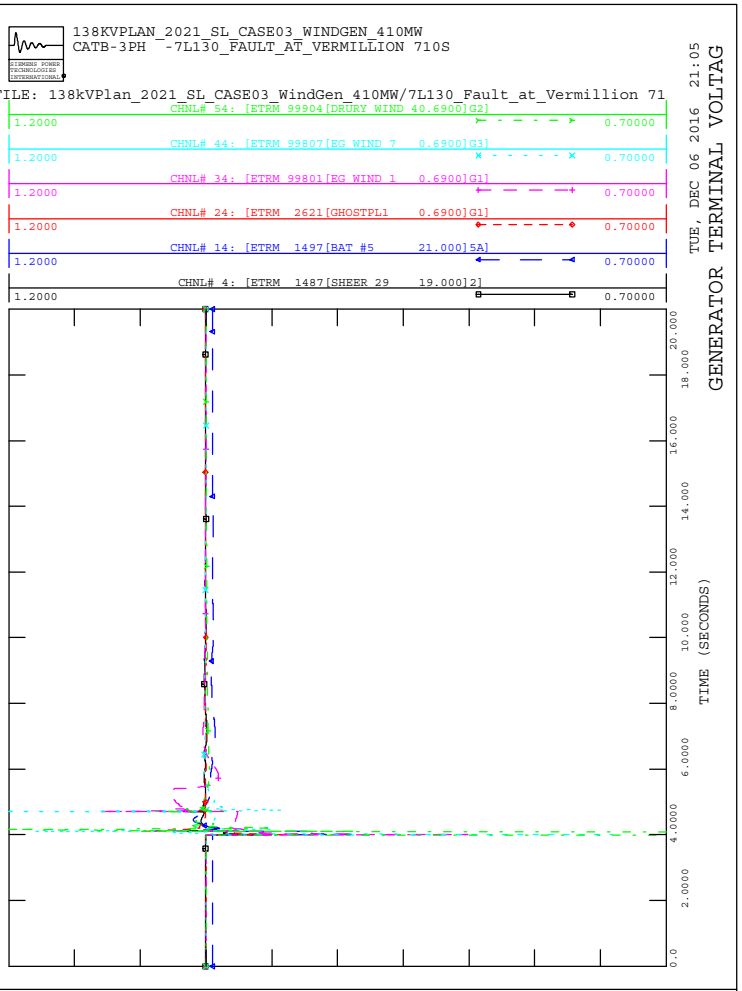
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71

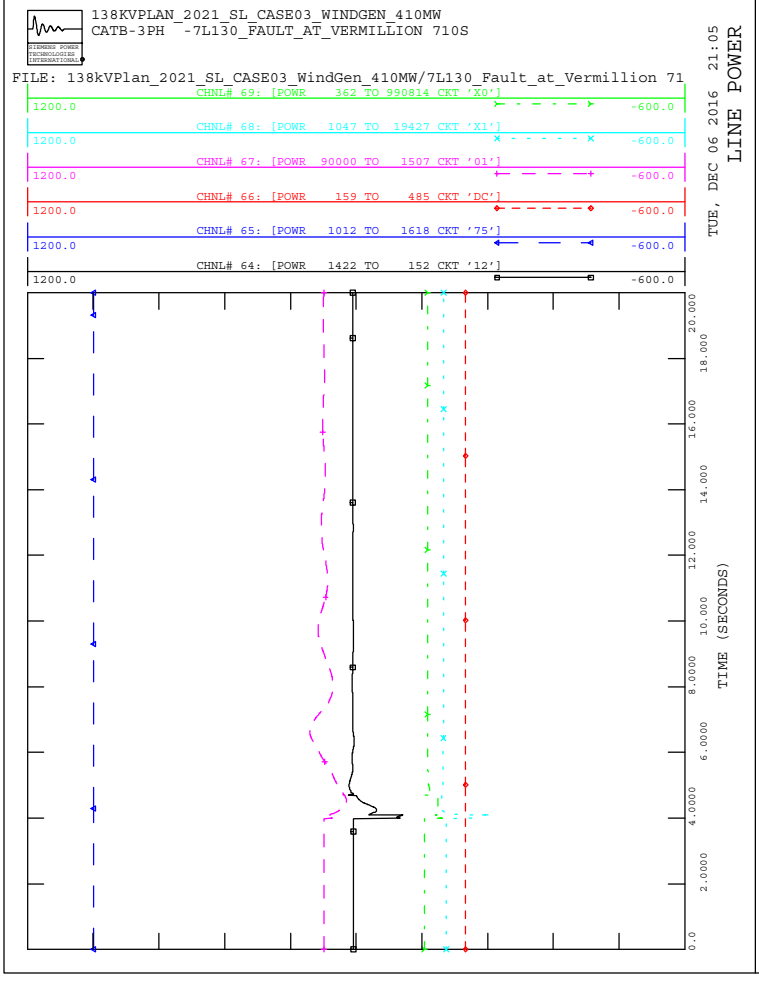
TUE, DEC 06 2016 21:05

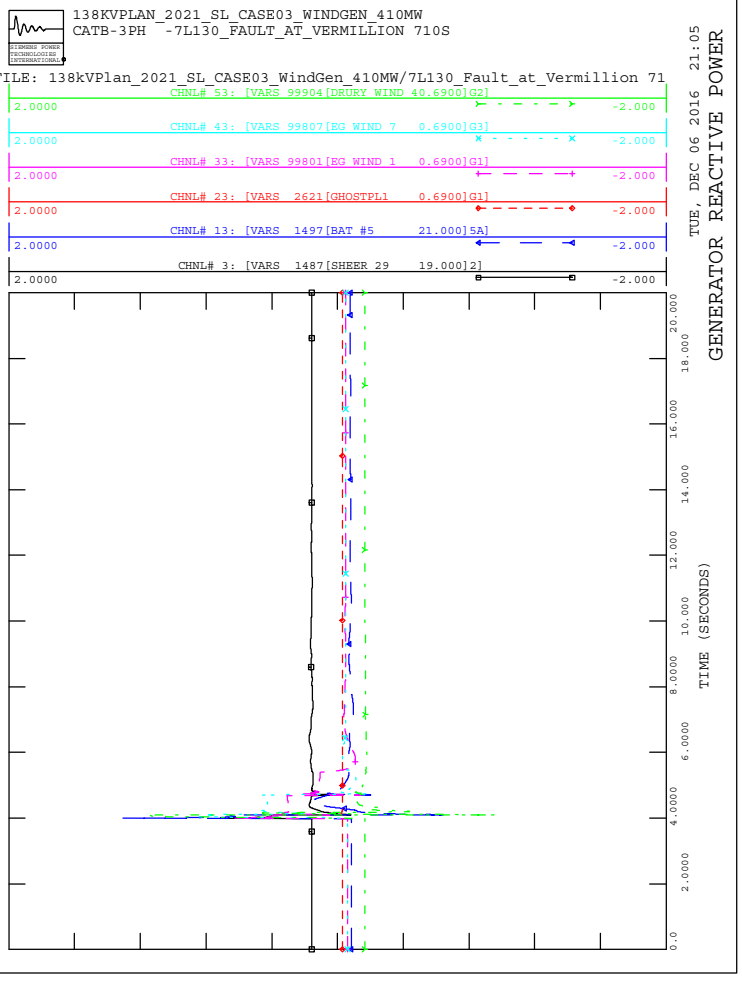
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

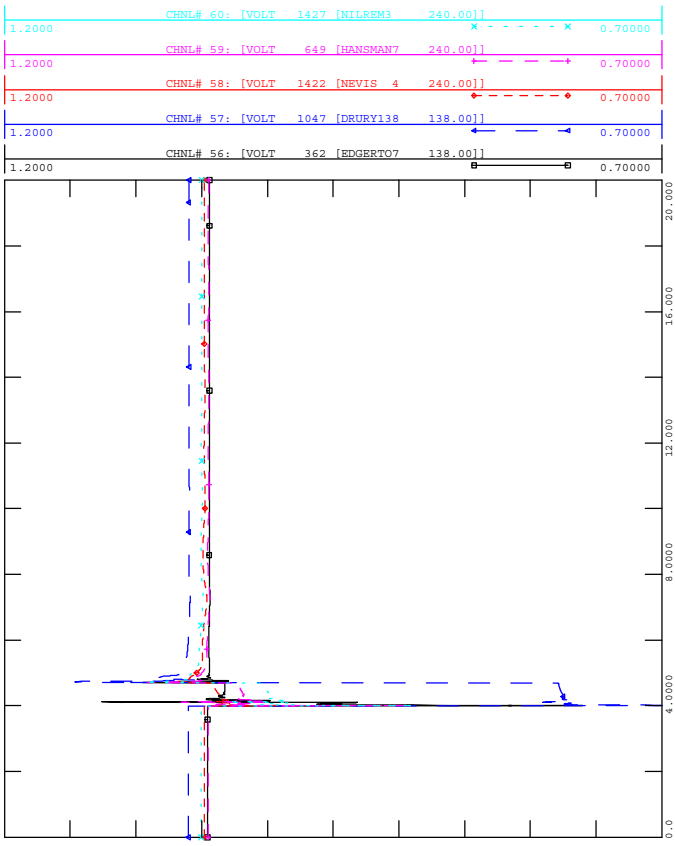

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:05

BUS VOLTAGE

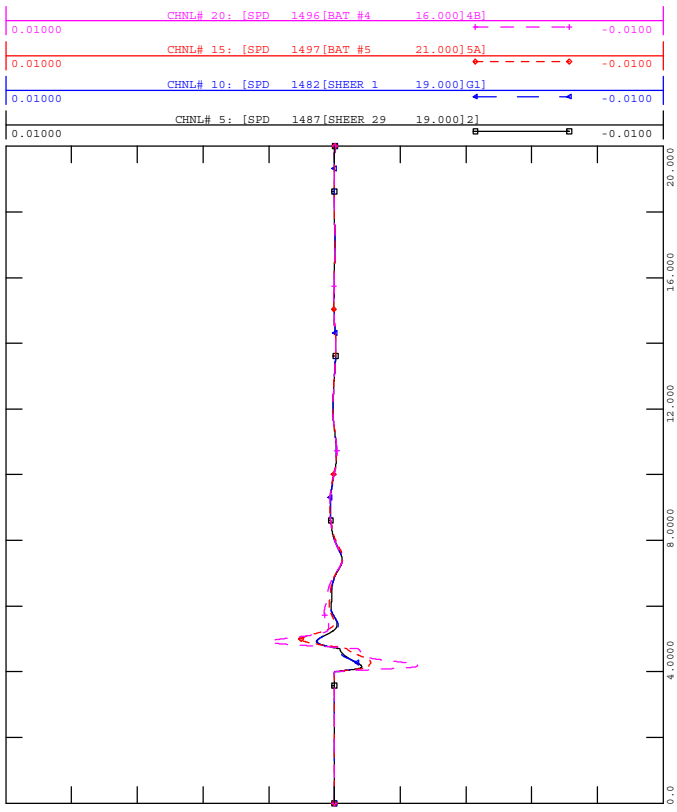


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:05

MACHINE SPEED

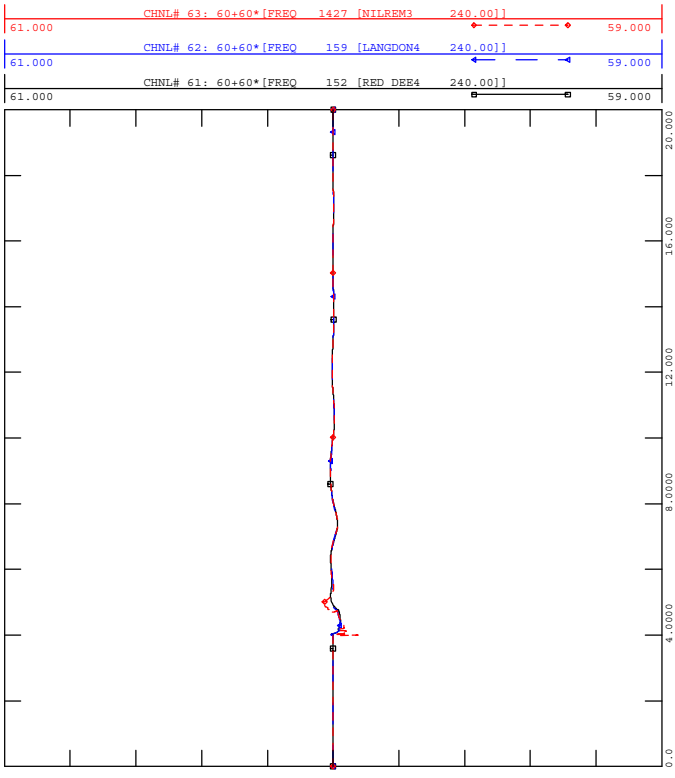


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:05

FREQUENCY

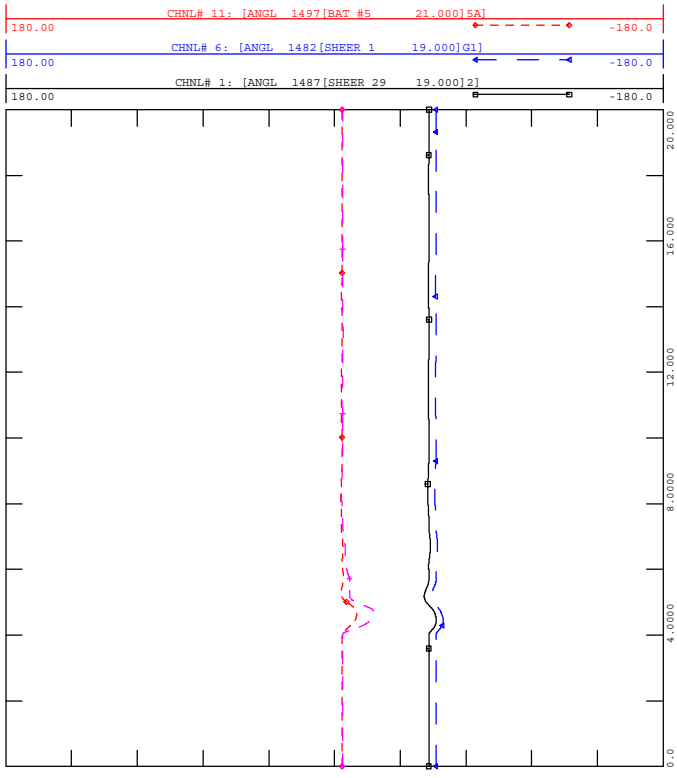


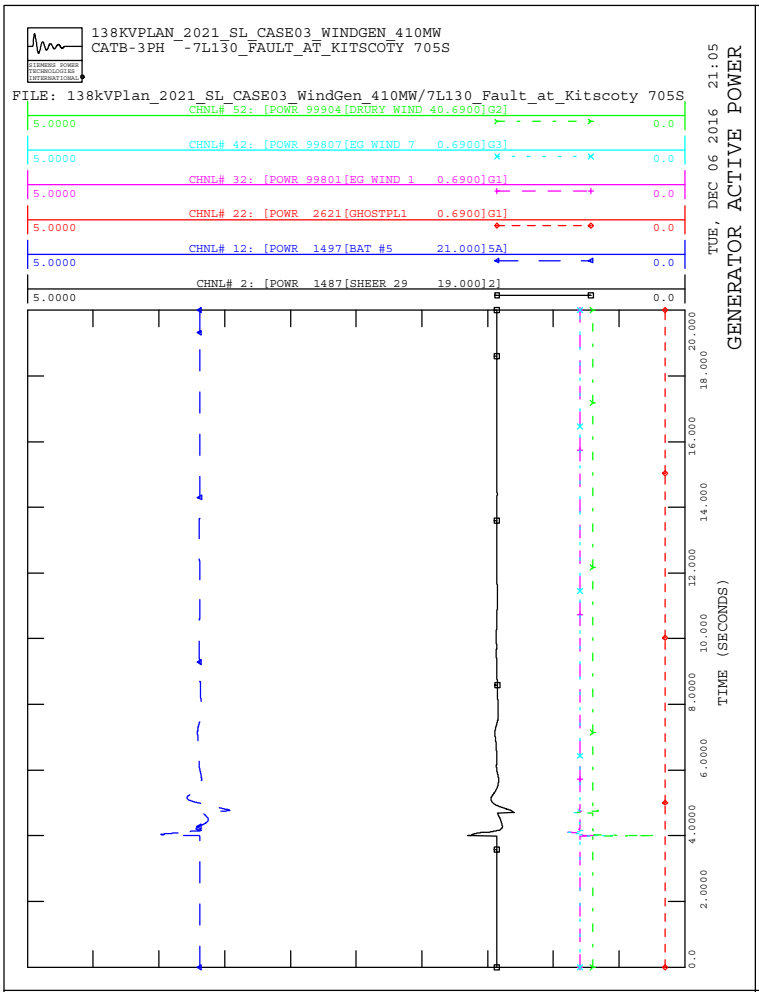
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

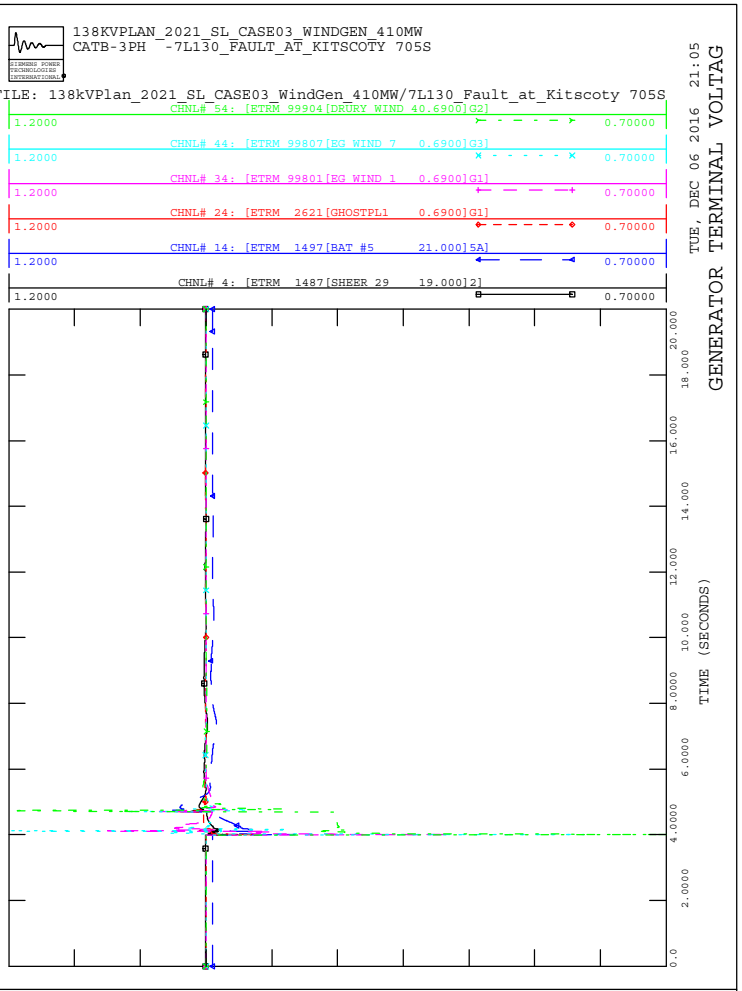
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

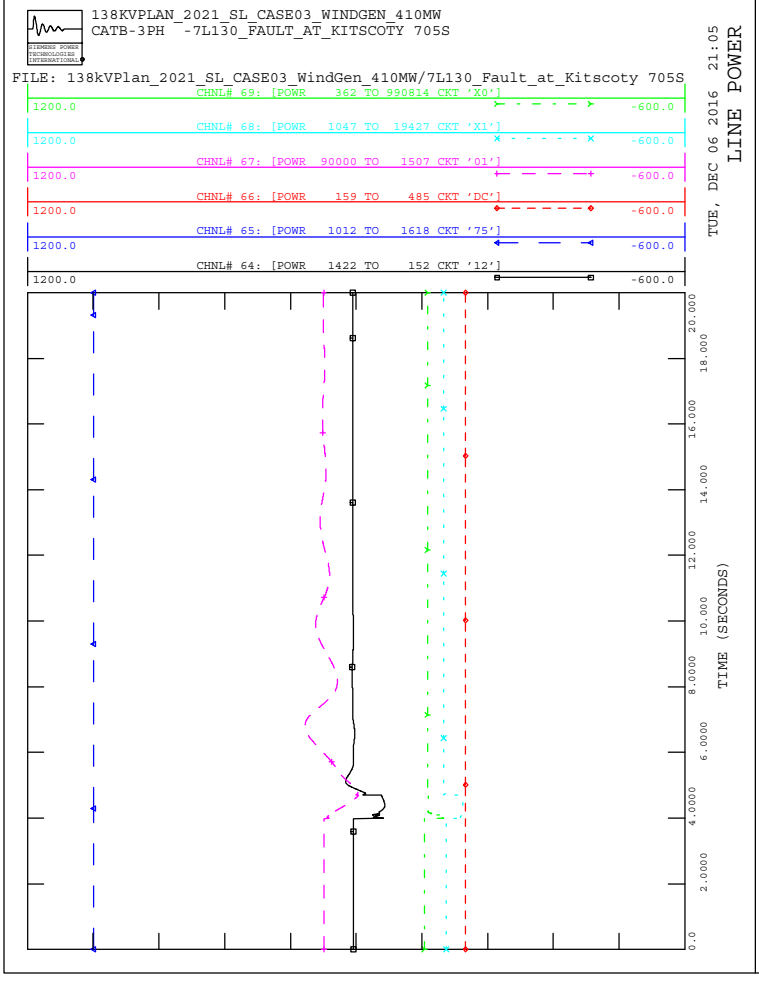
TUE, DEC 06 2016 21:05

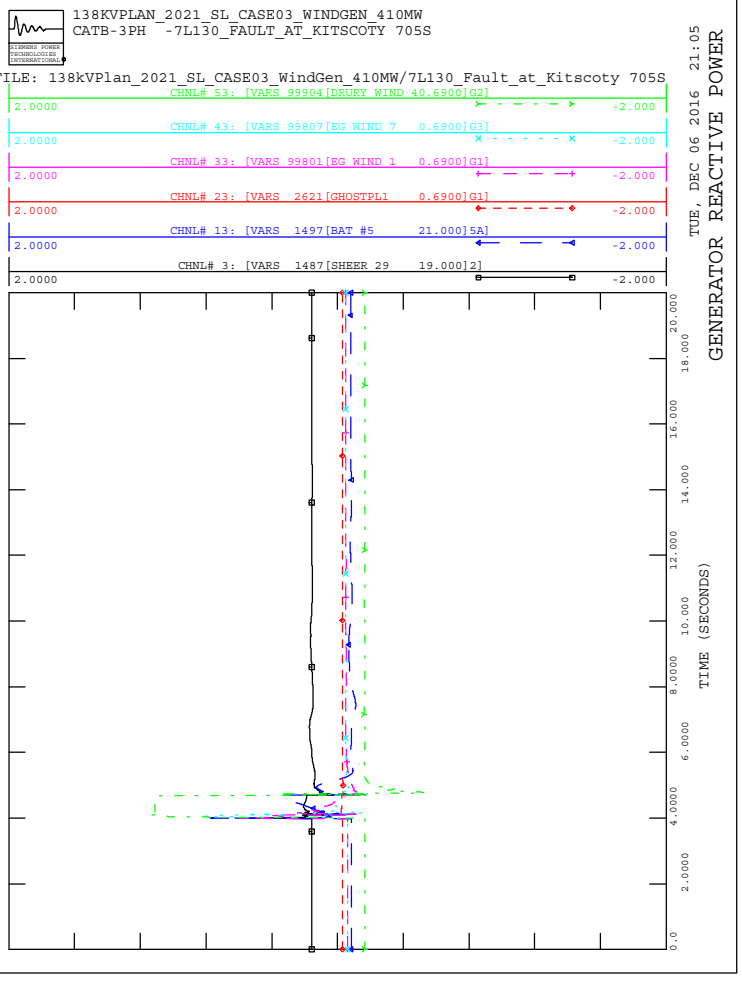
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

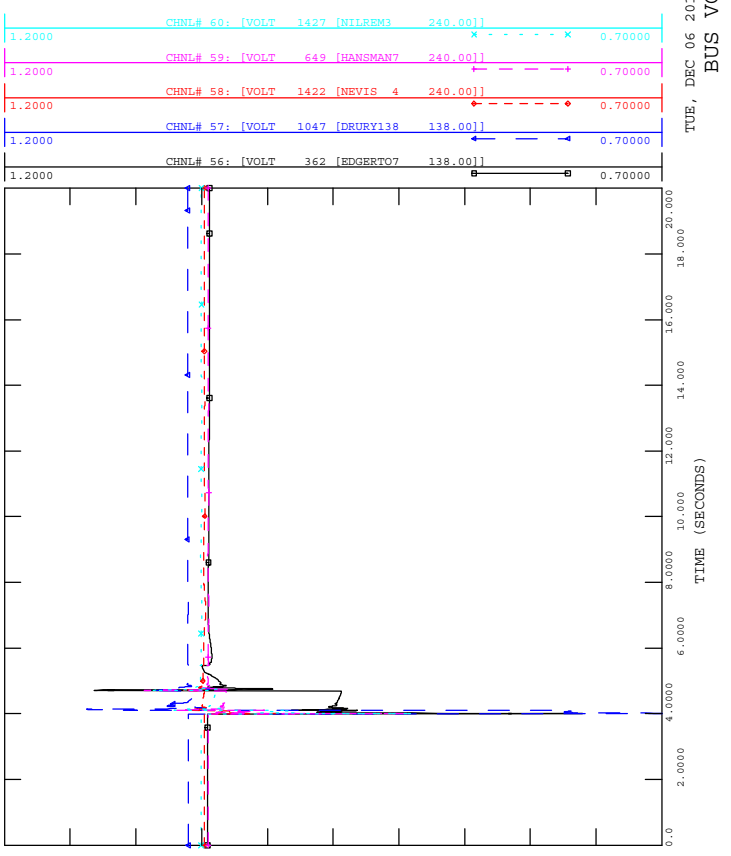

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:05

BUS VOLTAGE

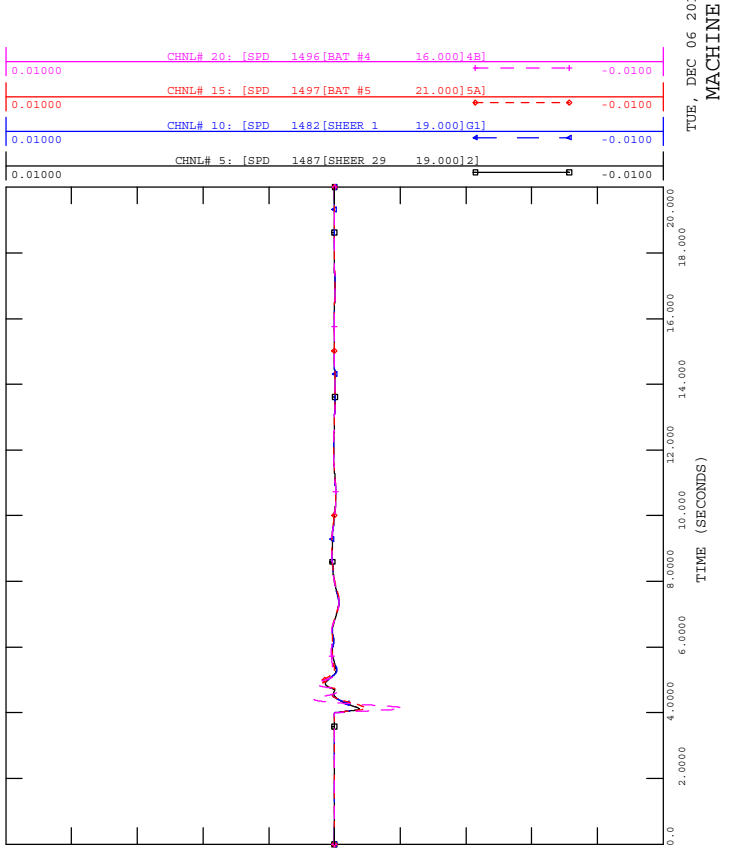


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:05

MACHINE SPEED

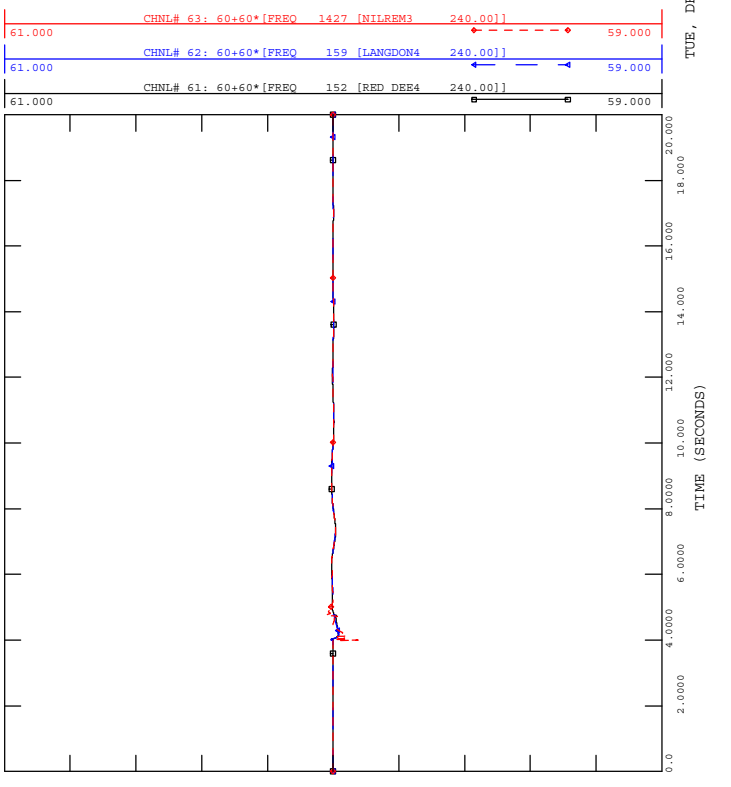


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:05

FREQUENCY

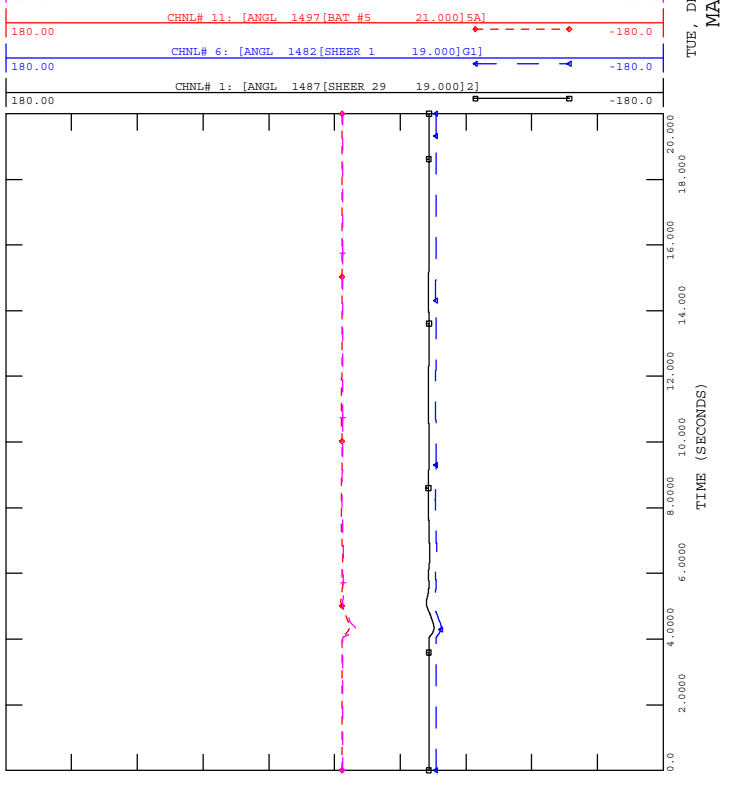


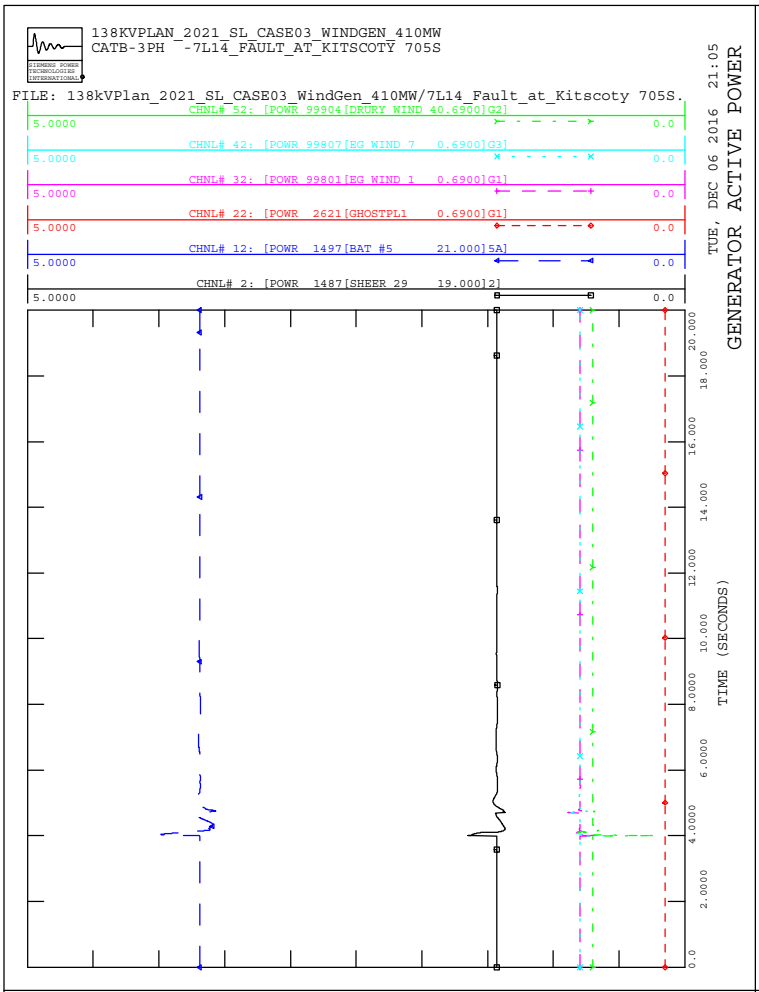
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

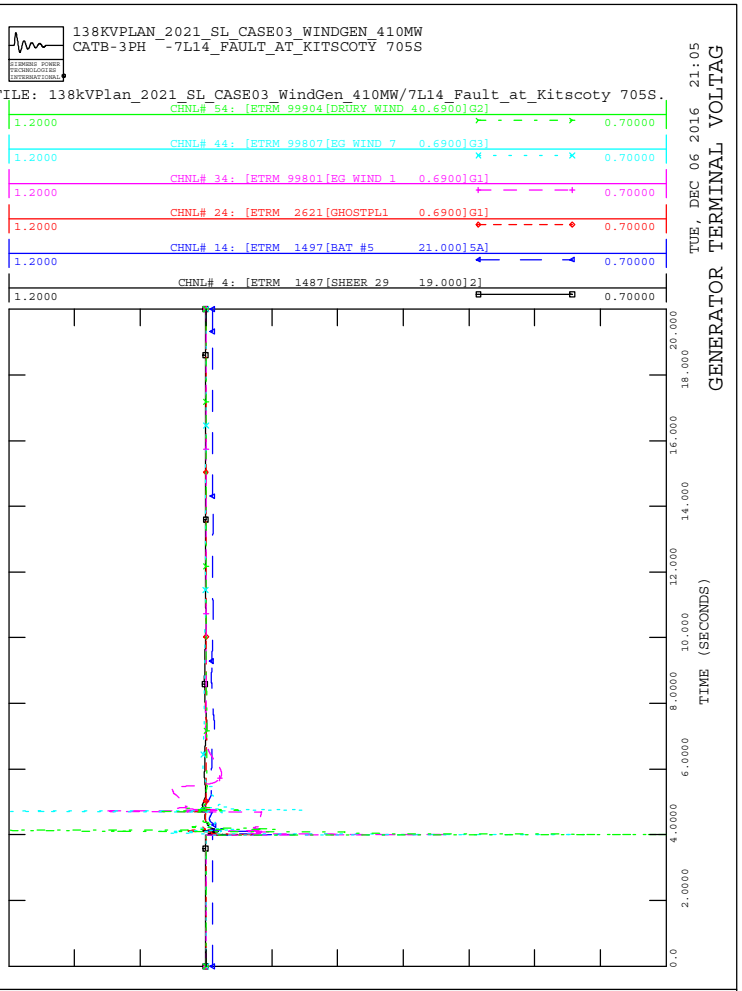
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

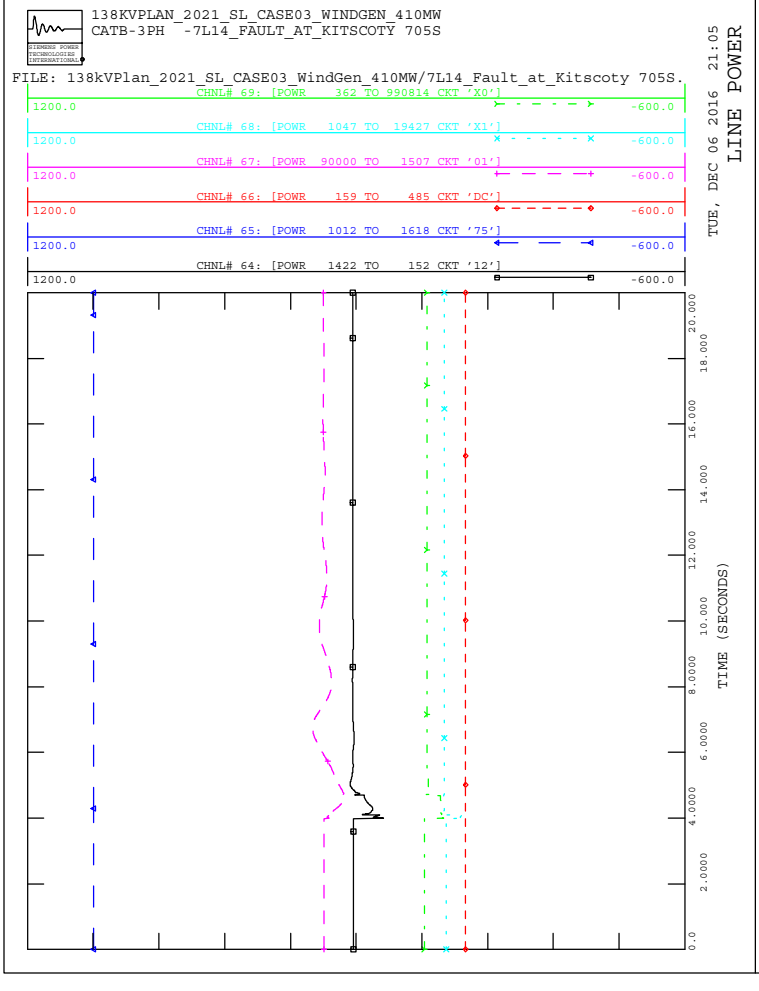
TUE, DEC 06 2016 21:05

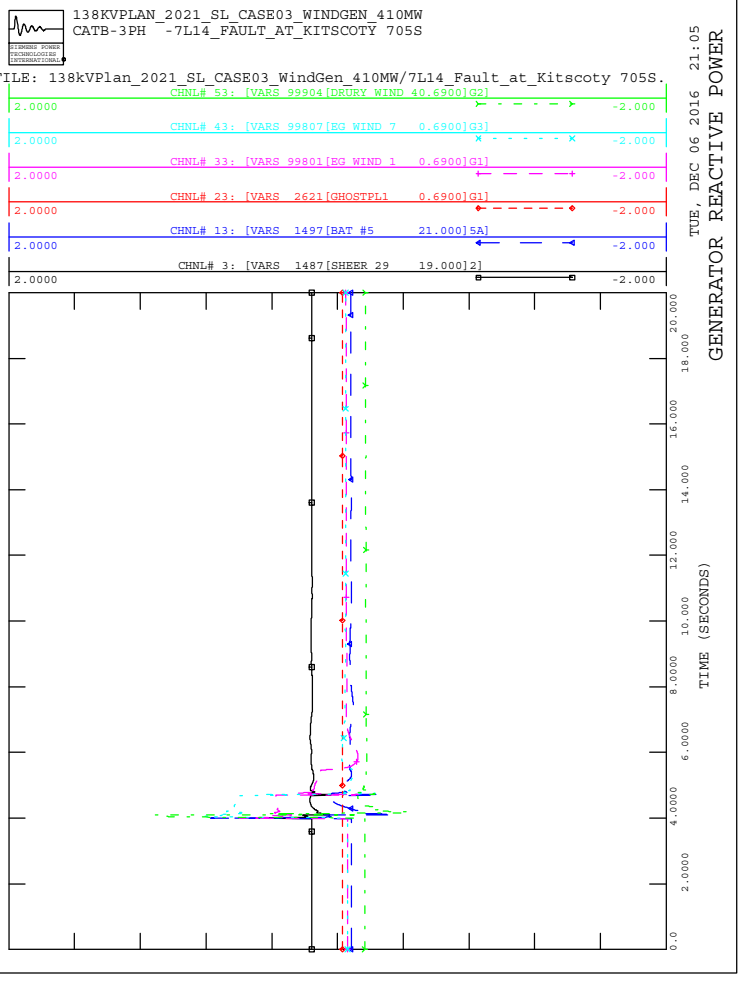
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

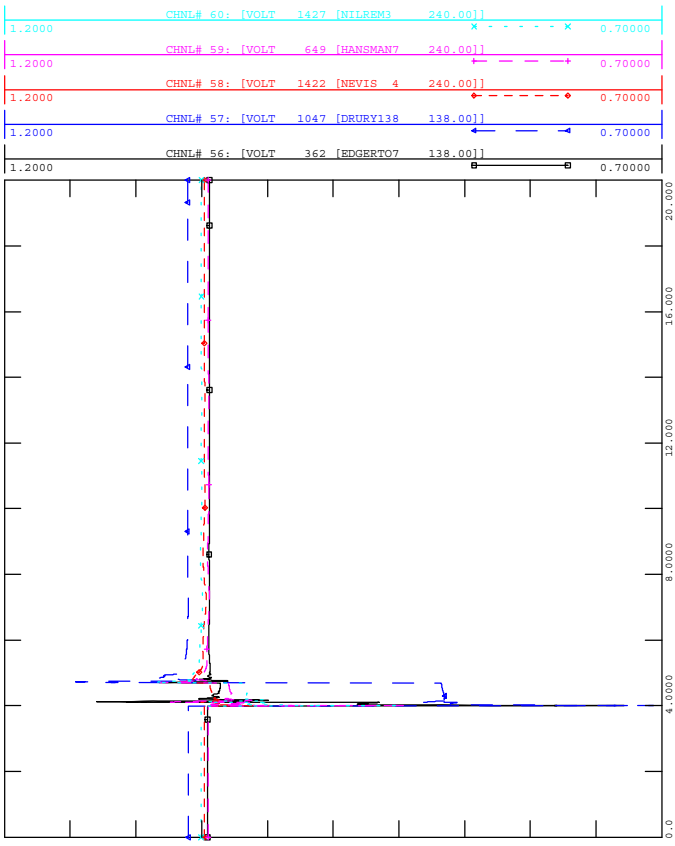

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:05

BUS VOLTAGE

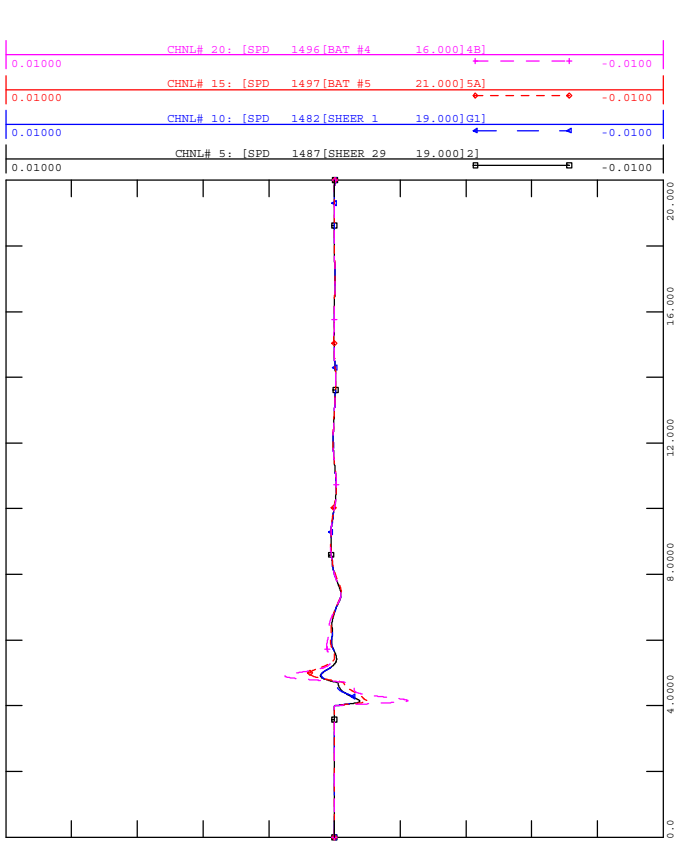


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:05

MACHINE SPEED

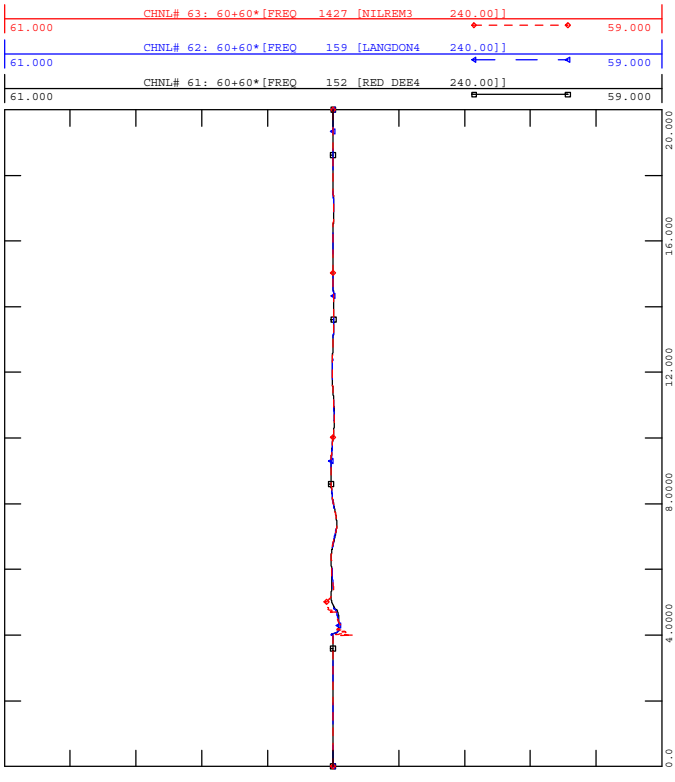


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:05

FREQUENCY



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

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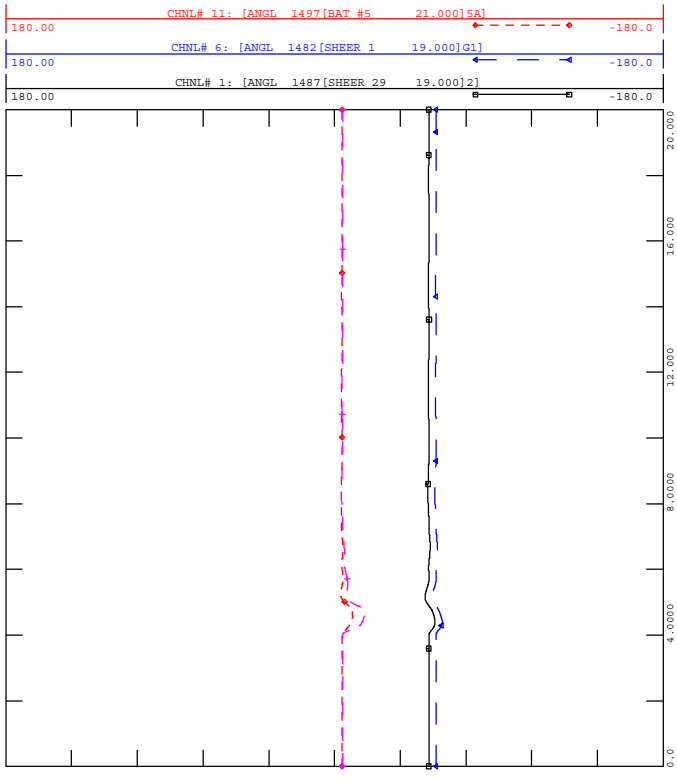
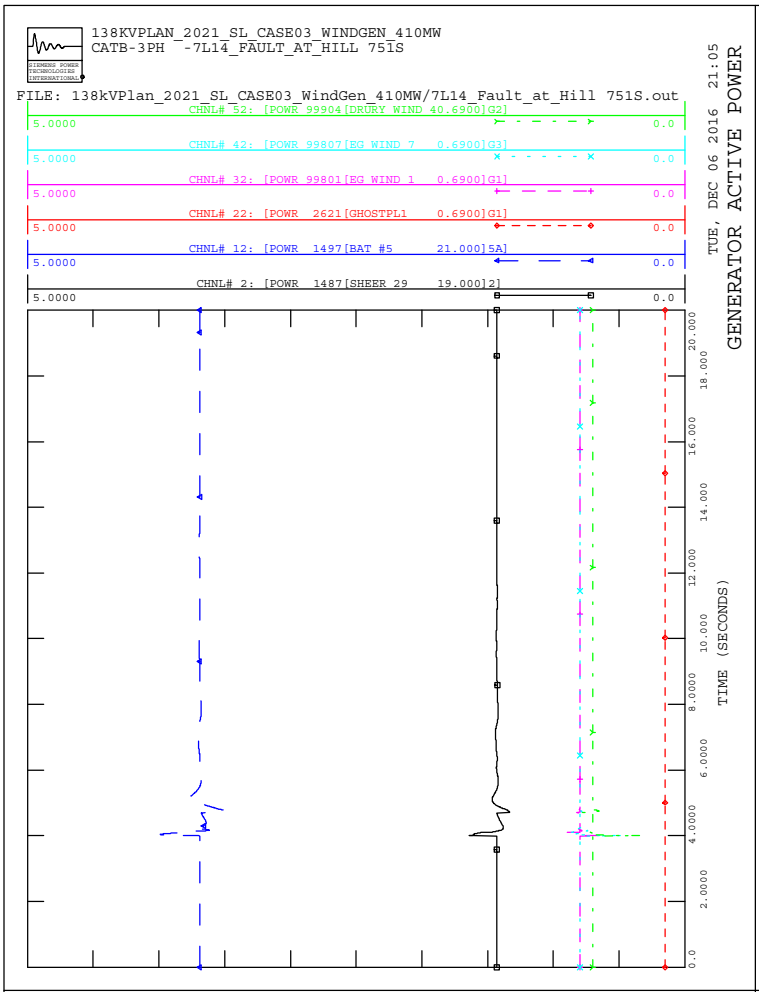
TUE, DEC 06 2016 21:05

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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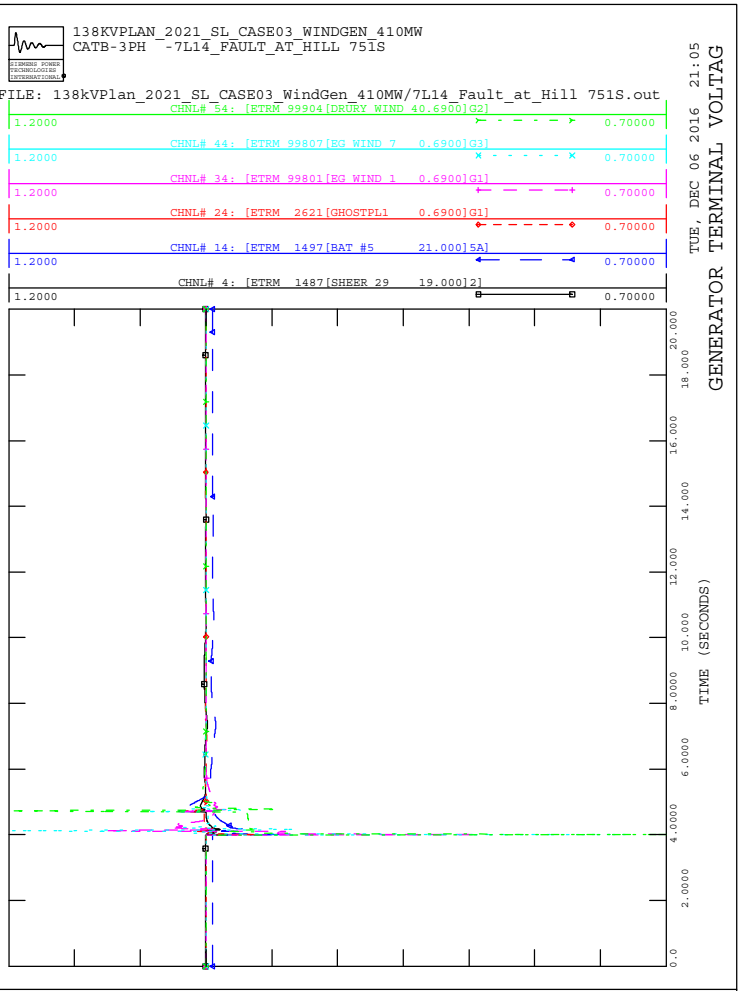
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
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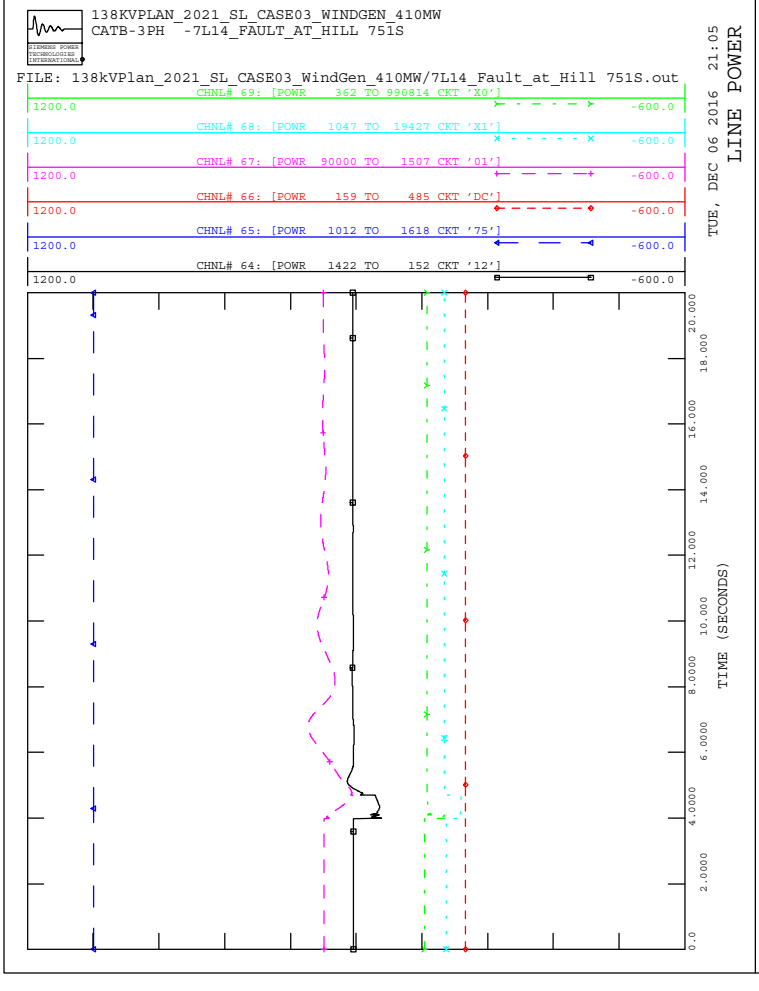
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
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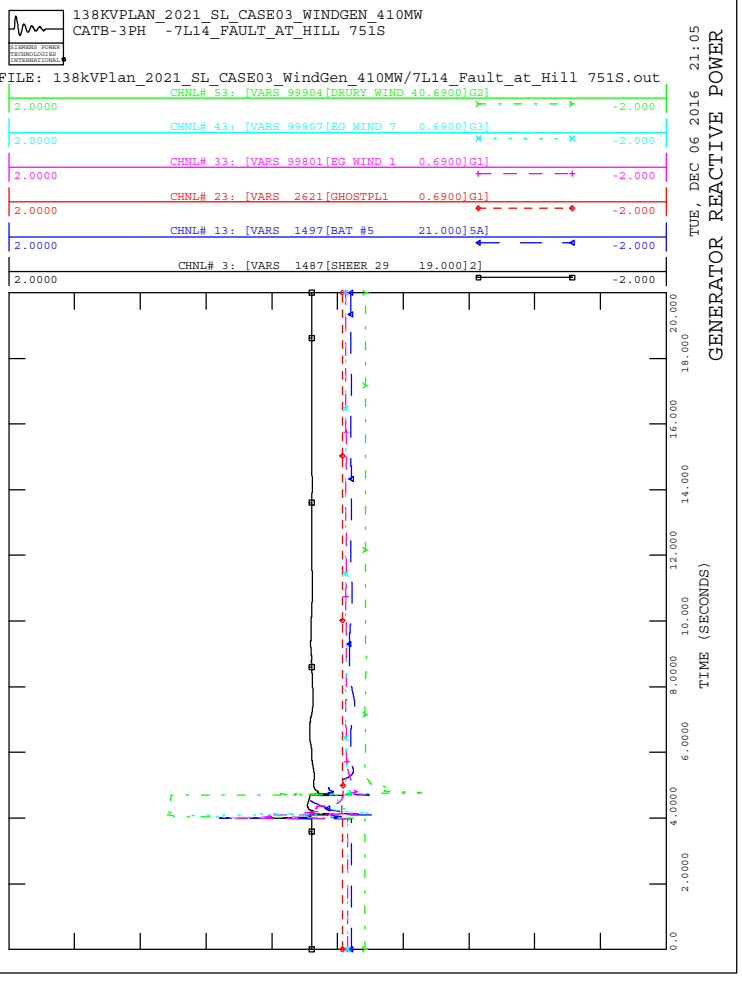

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:05

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:05

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:05

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

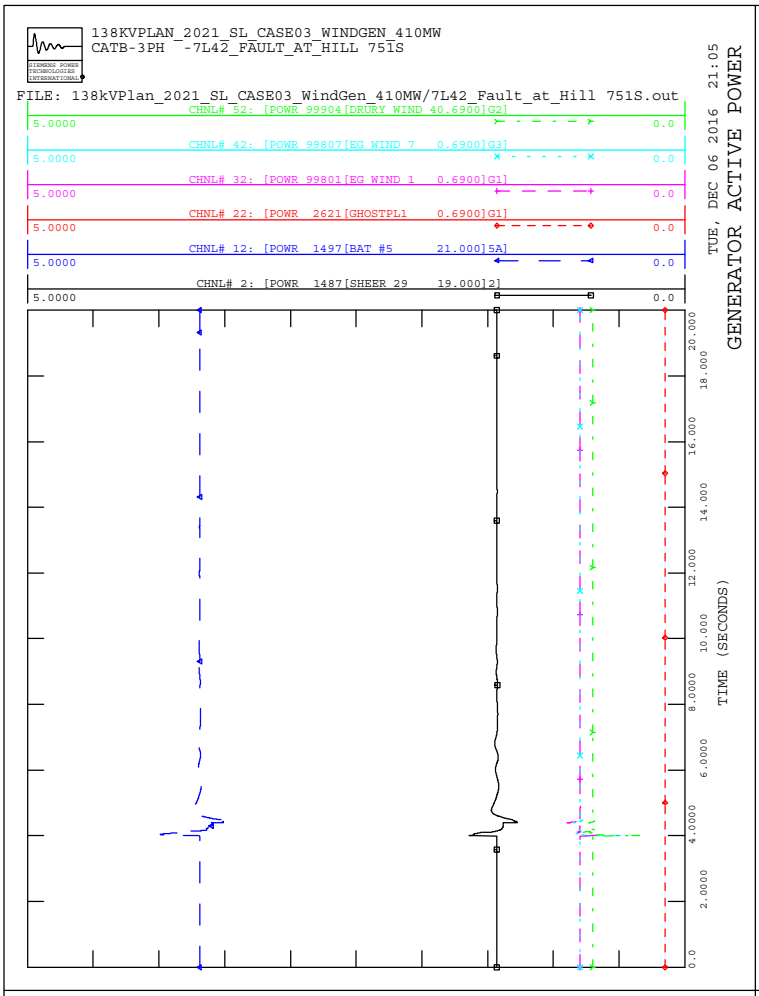
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out

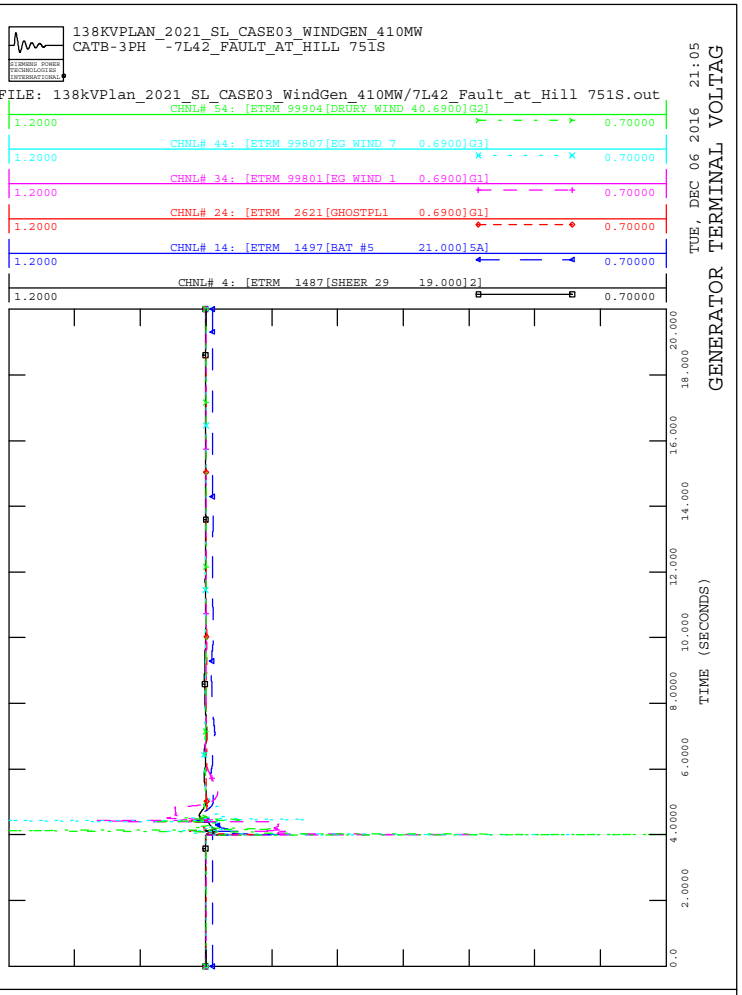
TUE, DEC 06 2016 21:05

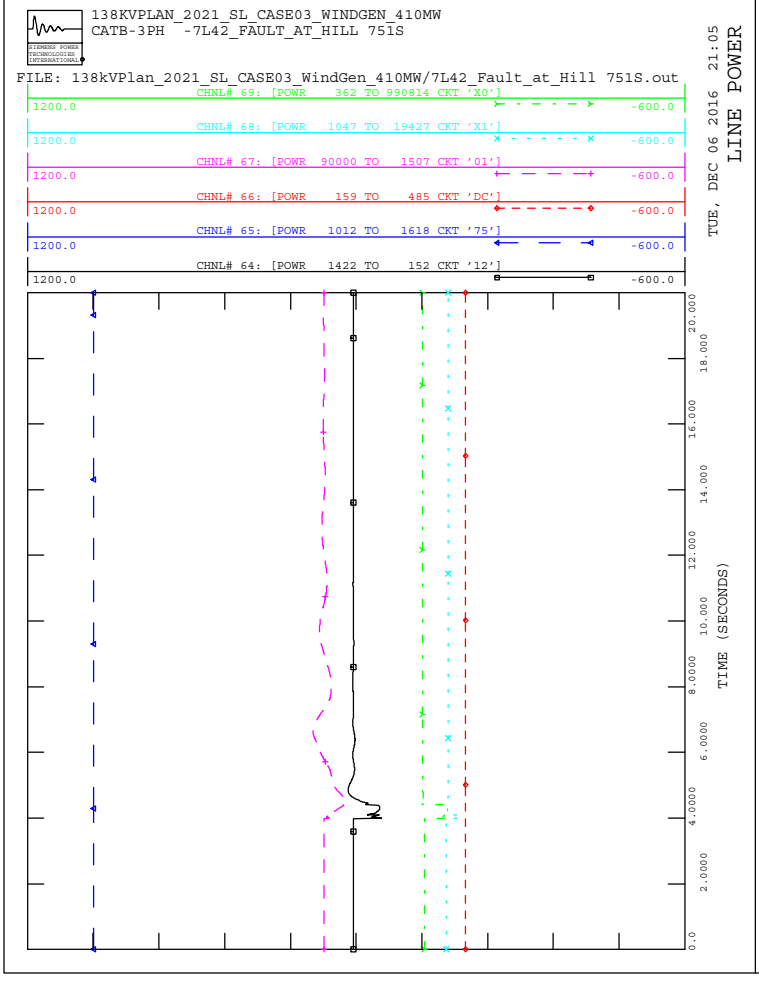
MACHINE ANGLE

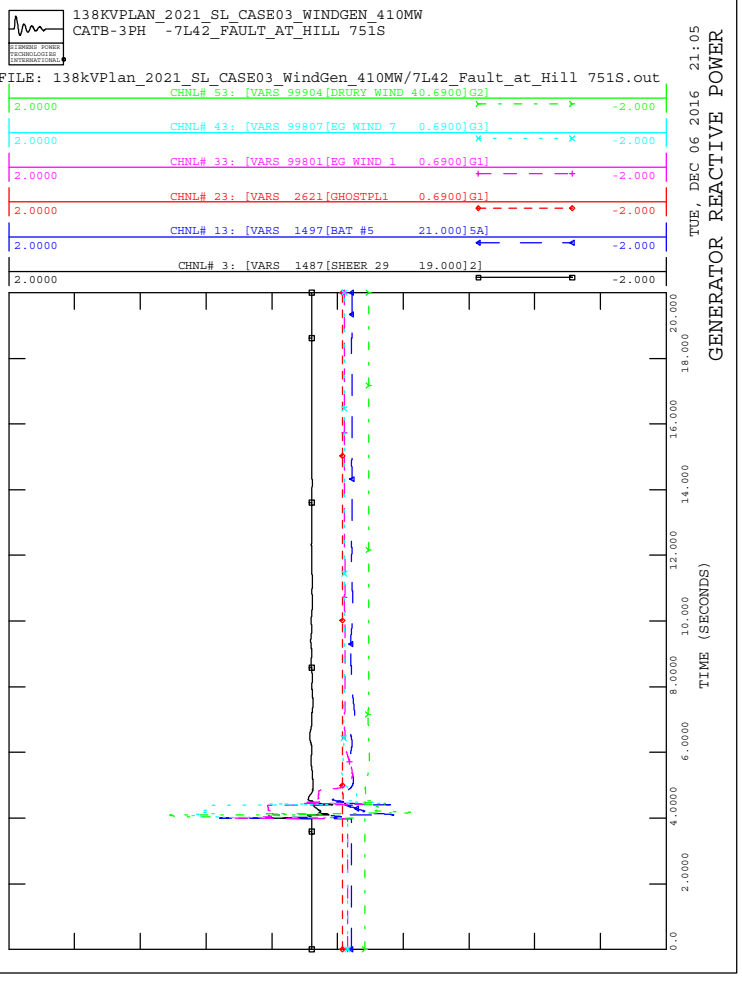
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

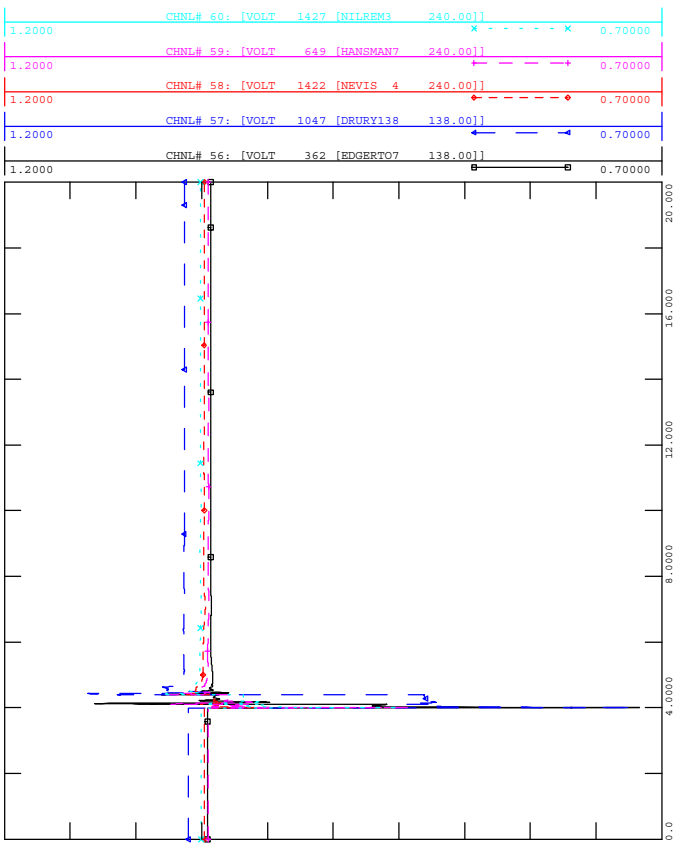

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7

TUE, DEC 06 2016 21:05

BUS VOLTAGE

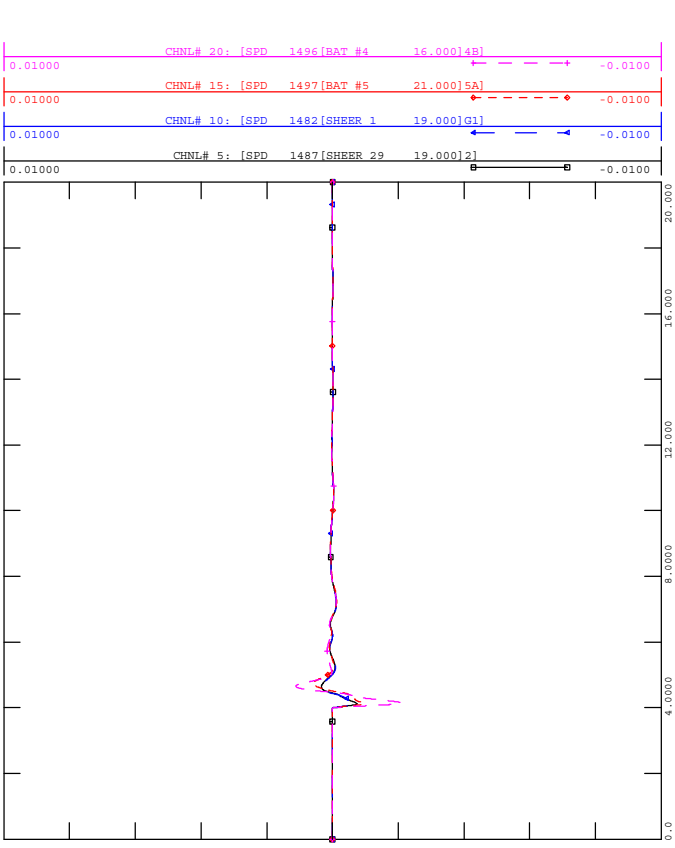


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7

TUE, DEC 06 2016 21:05

MACHINE SPEED

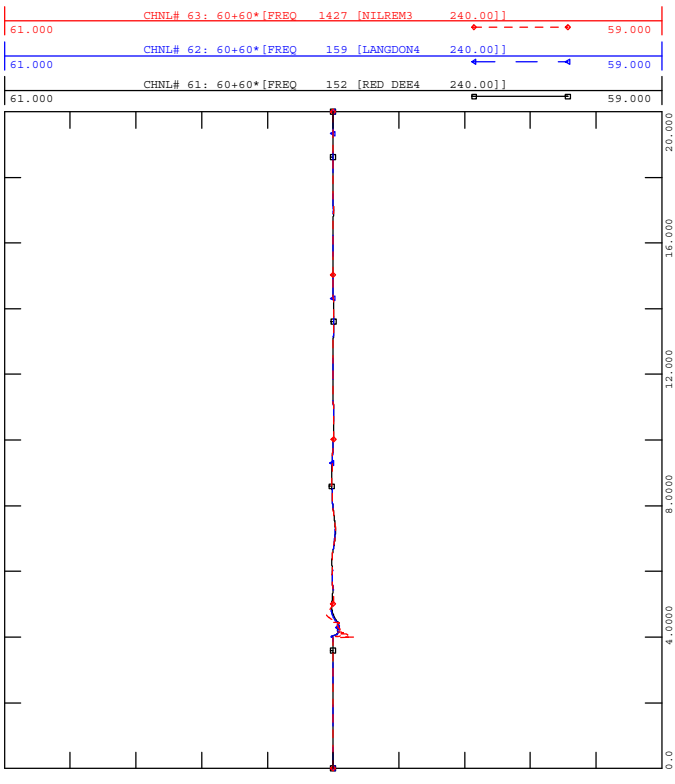


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7

TUE, DEC 06 2016 21:05

FREQUENCY

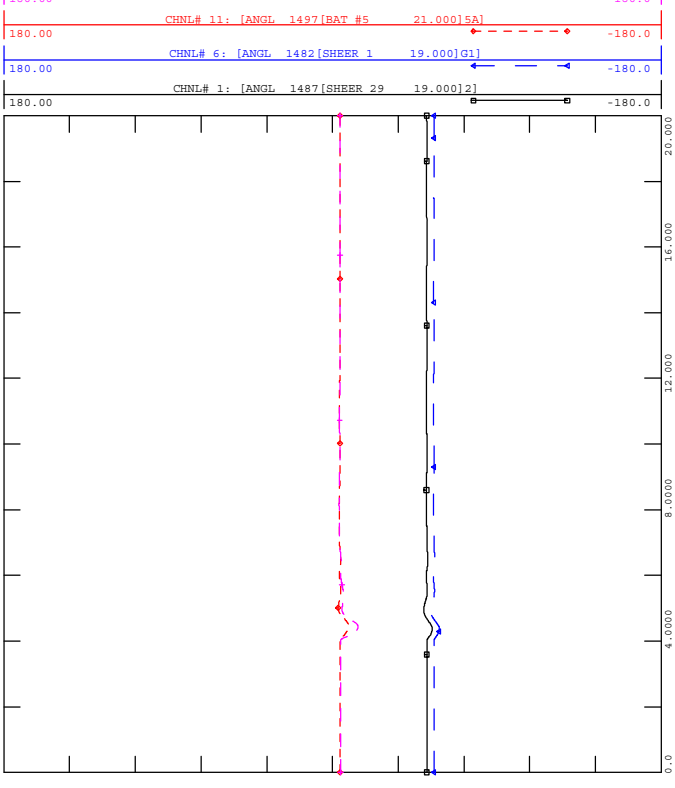


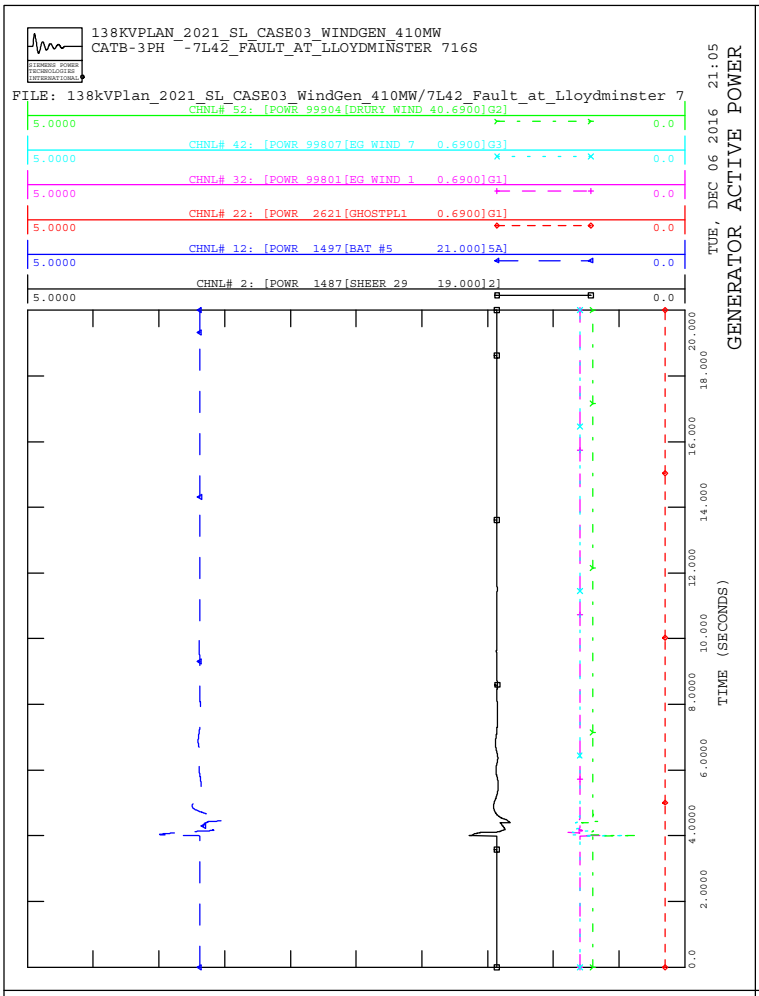
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

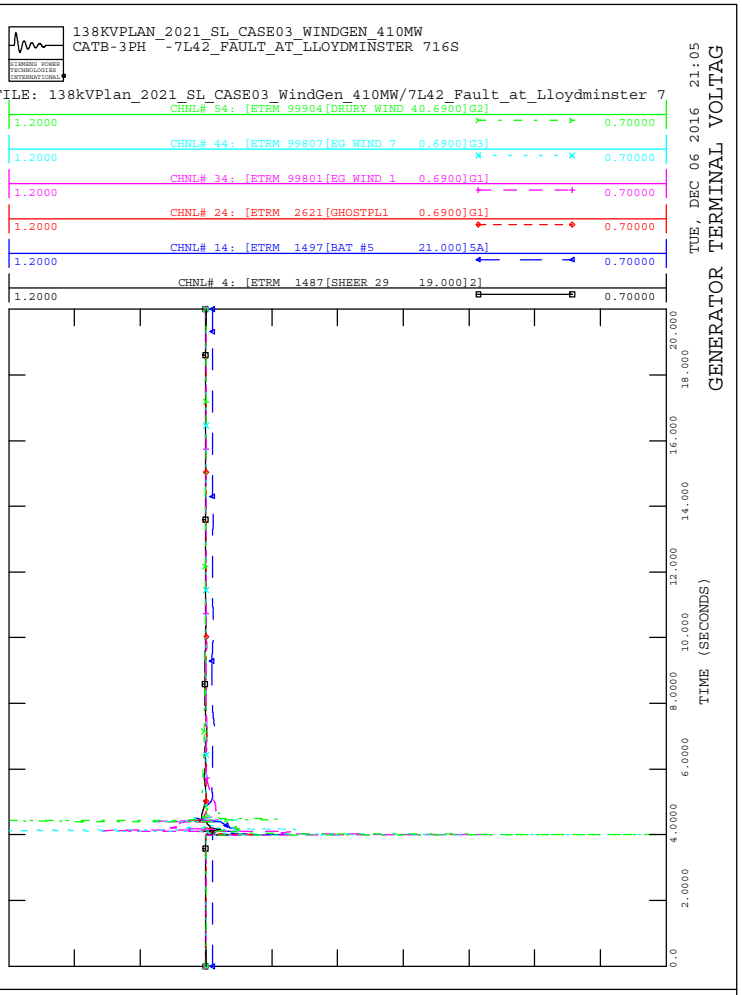
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7

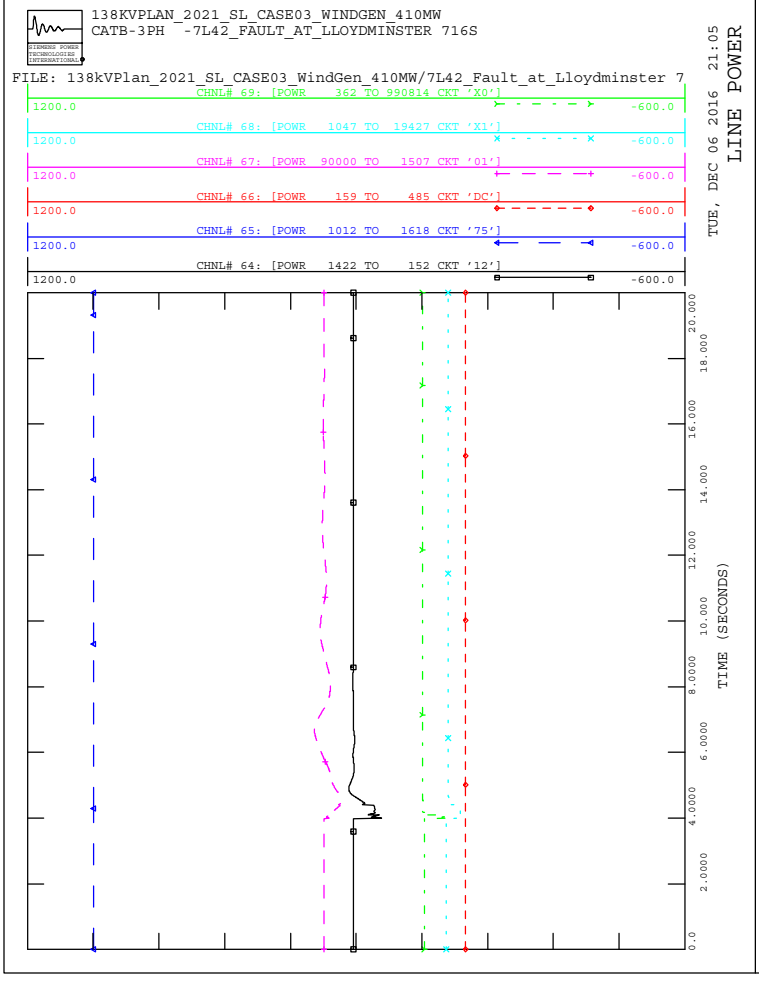
TUE, DEC 06 2016 21:05

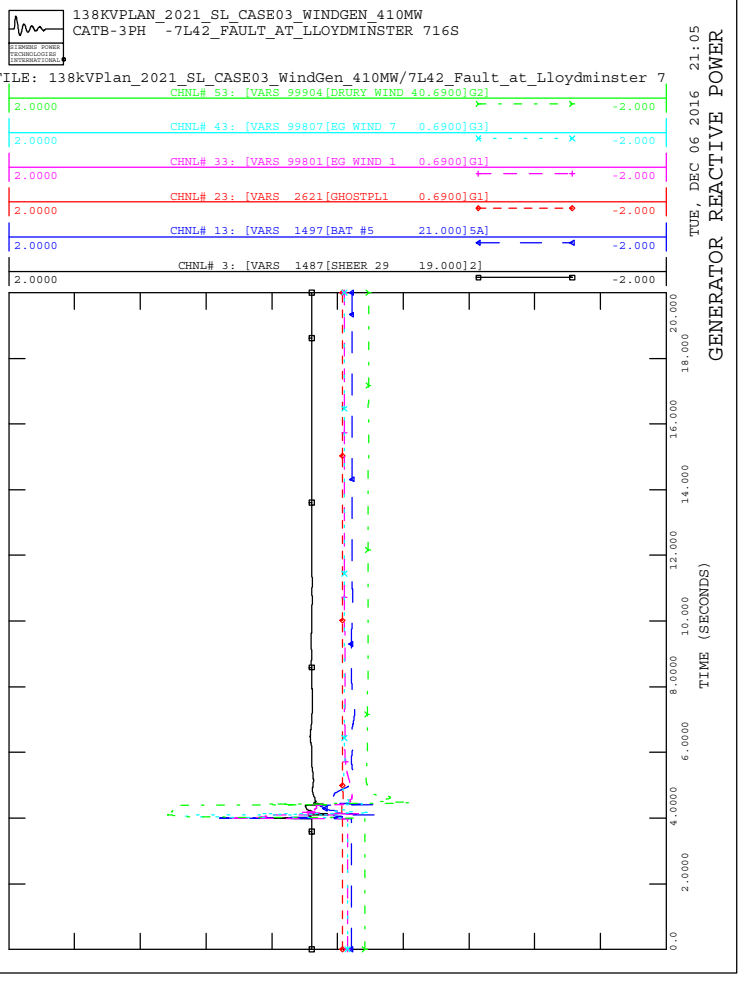
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

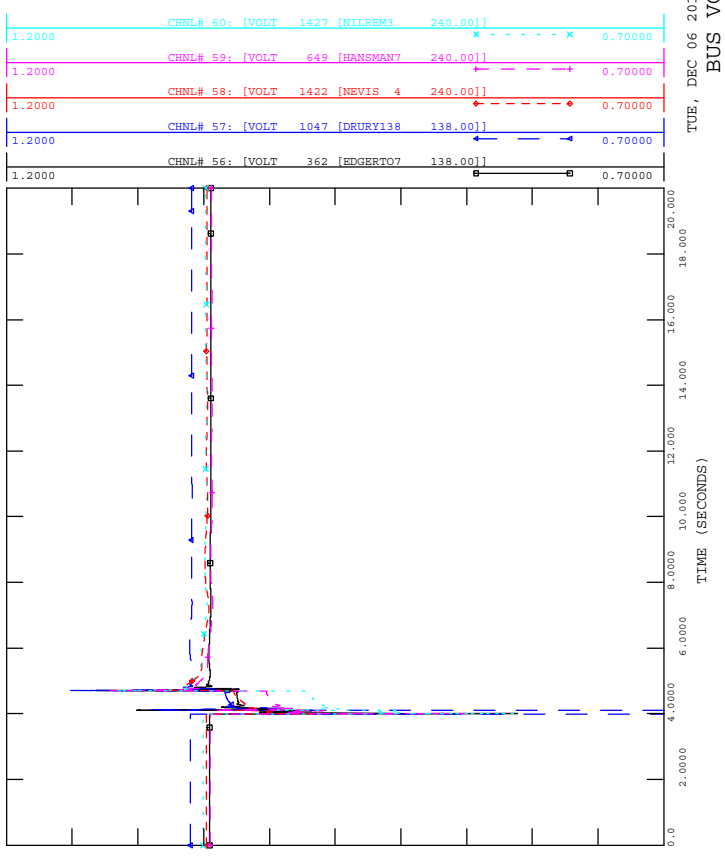

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

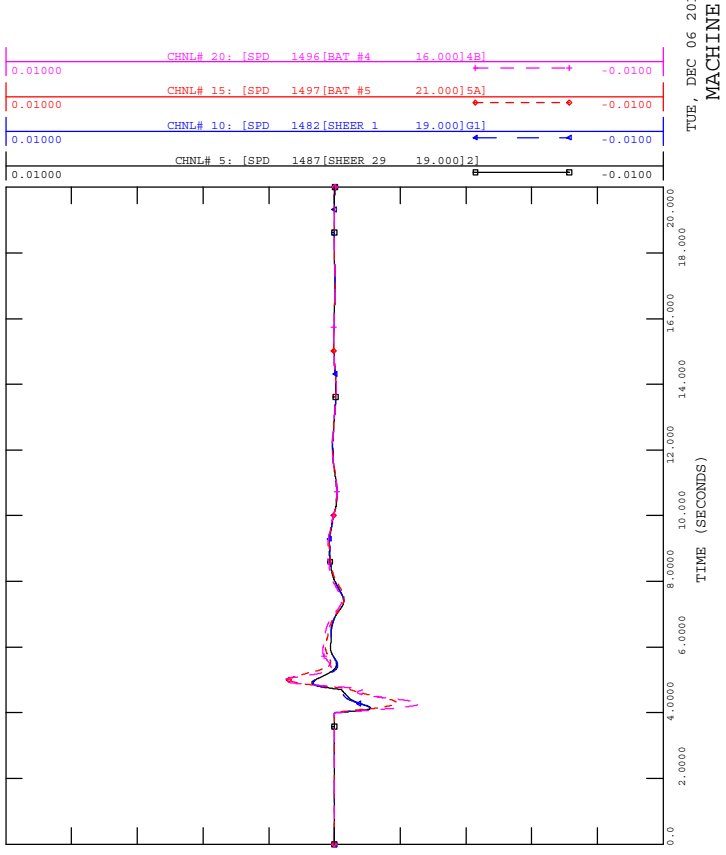
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek



TUE, DEC 06 2016 21:05
BUS VOLTAGE

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

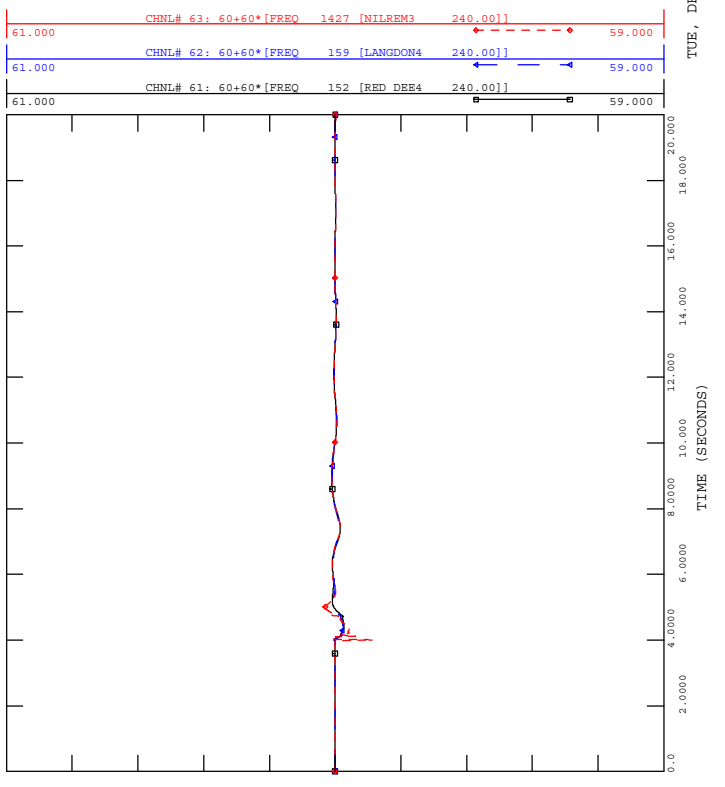
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek



TUE, DEC 06 2016 21:05
MACHINE SPEED

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

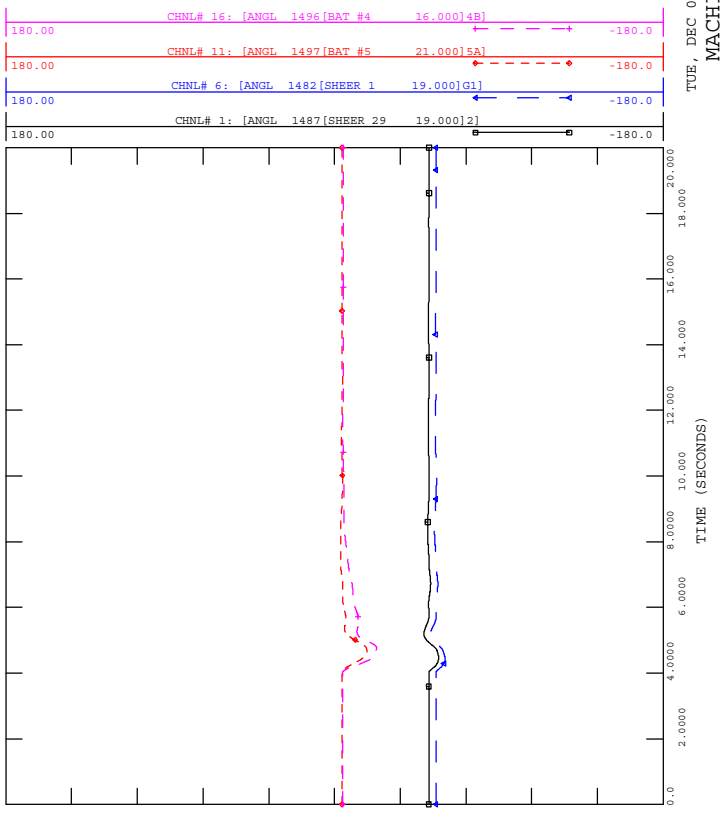
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek



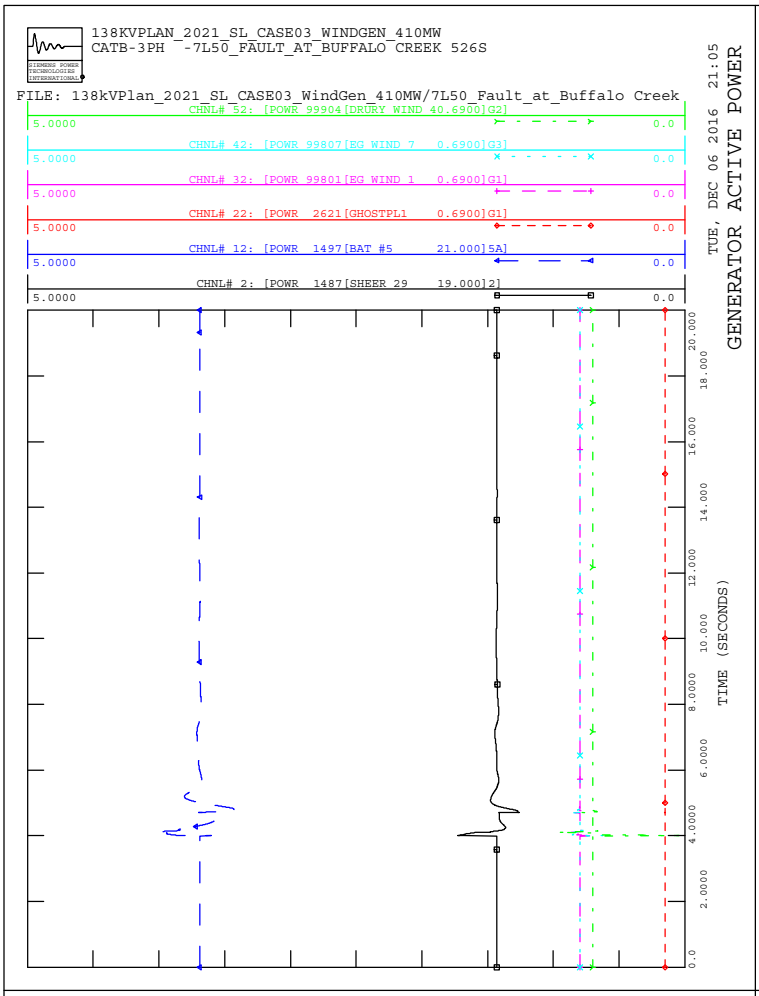
TUE, DEC 06 2016 21:05
FREQUENCY

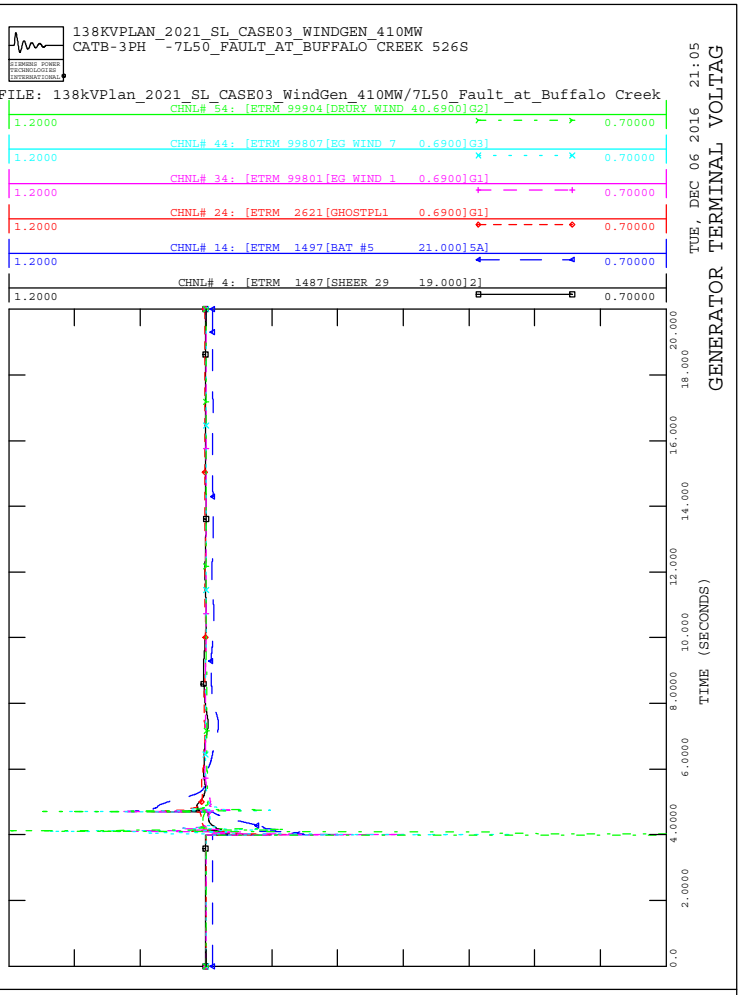
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek



TUE, DEC 06 2016 21:05
MACHINE ANGLE


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
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12.000
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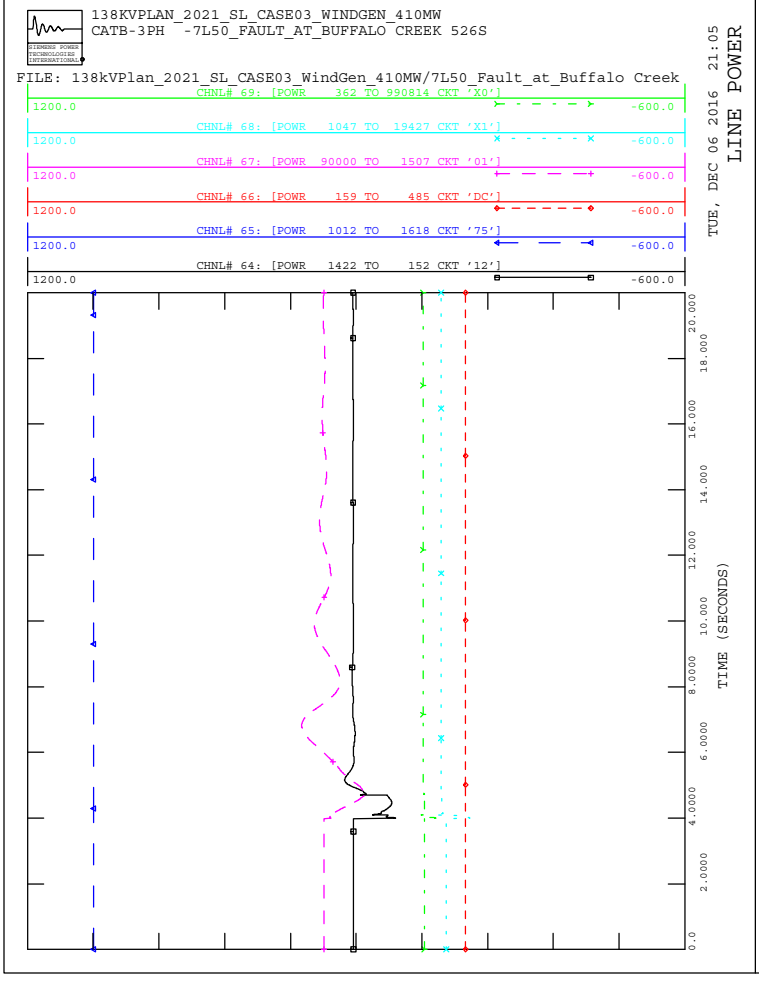
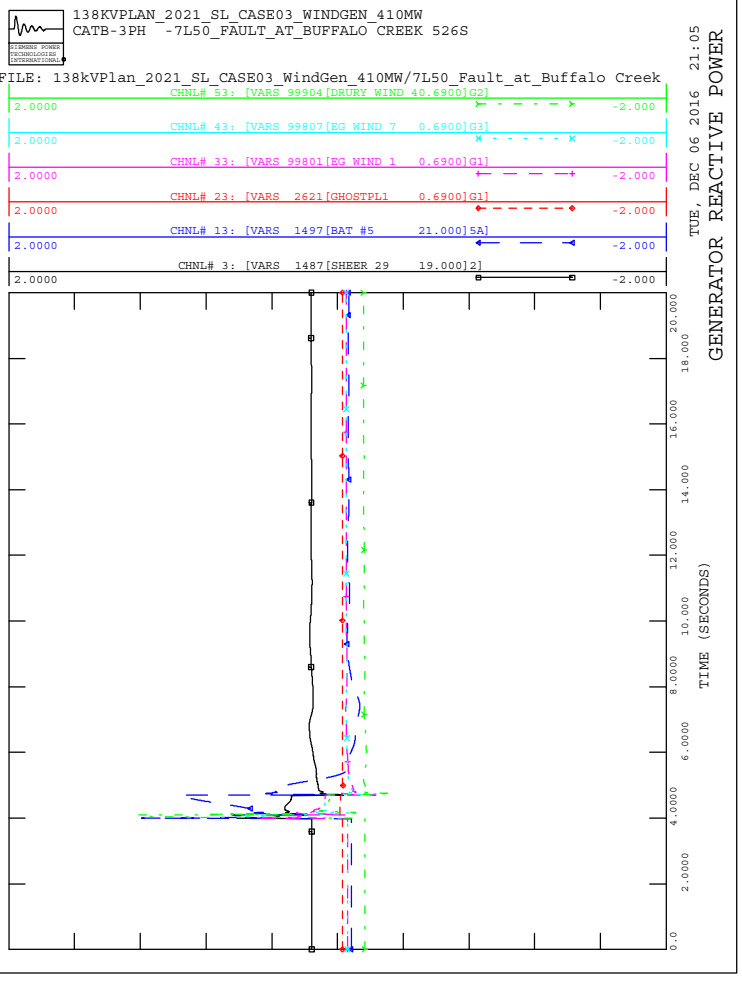
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

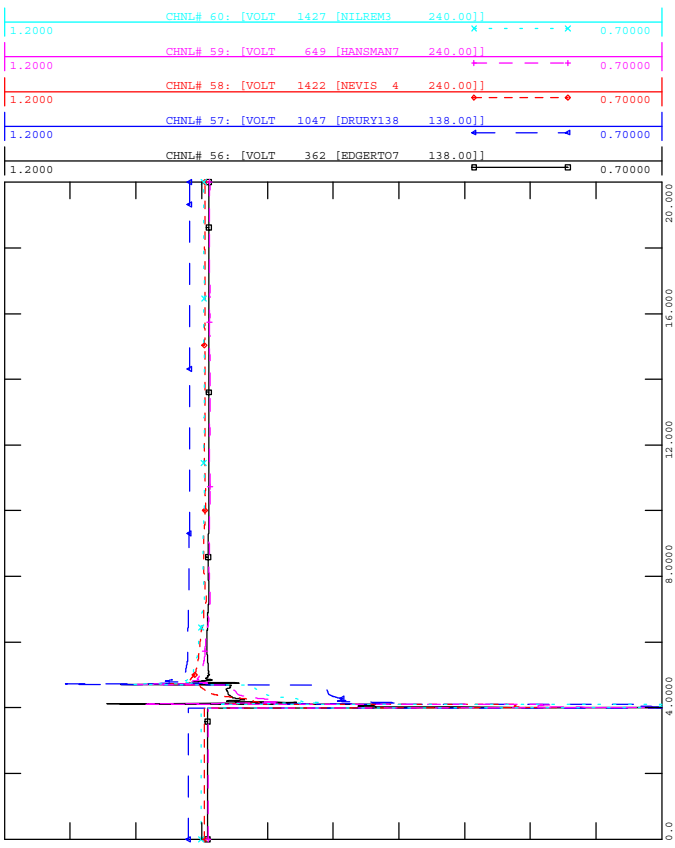

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7

TUE, DEC 06 2016 21:05

BUS VOLTAGE

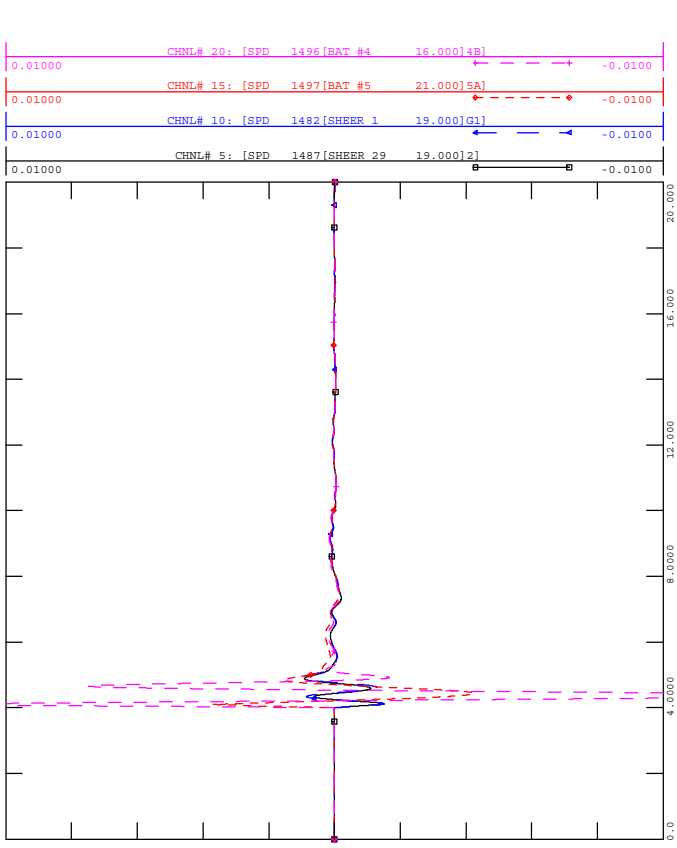


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7

TUE, DEC 06 2016 21:05

MACHINE SPEED

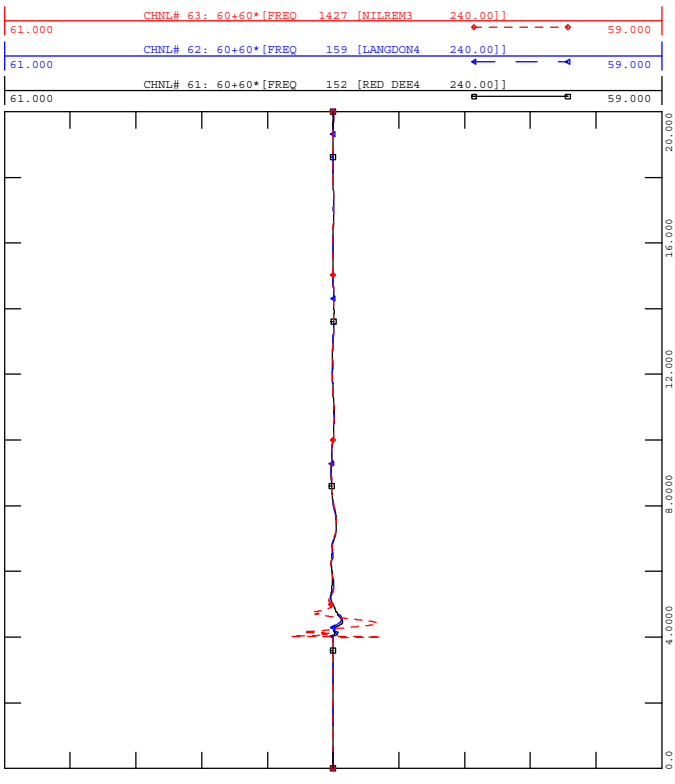


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7

TUE, DEC 06 2016 21:05

FREQUENCY

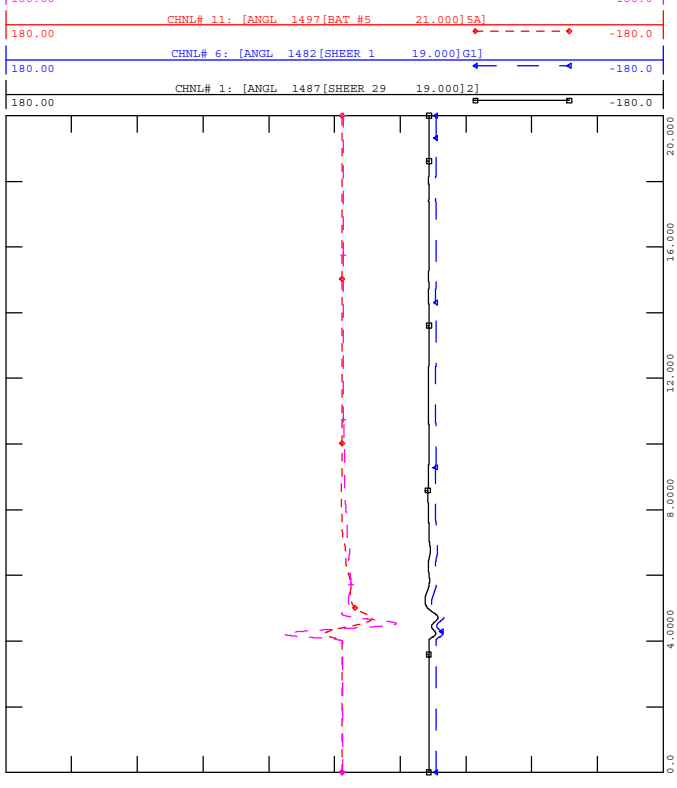


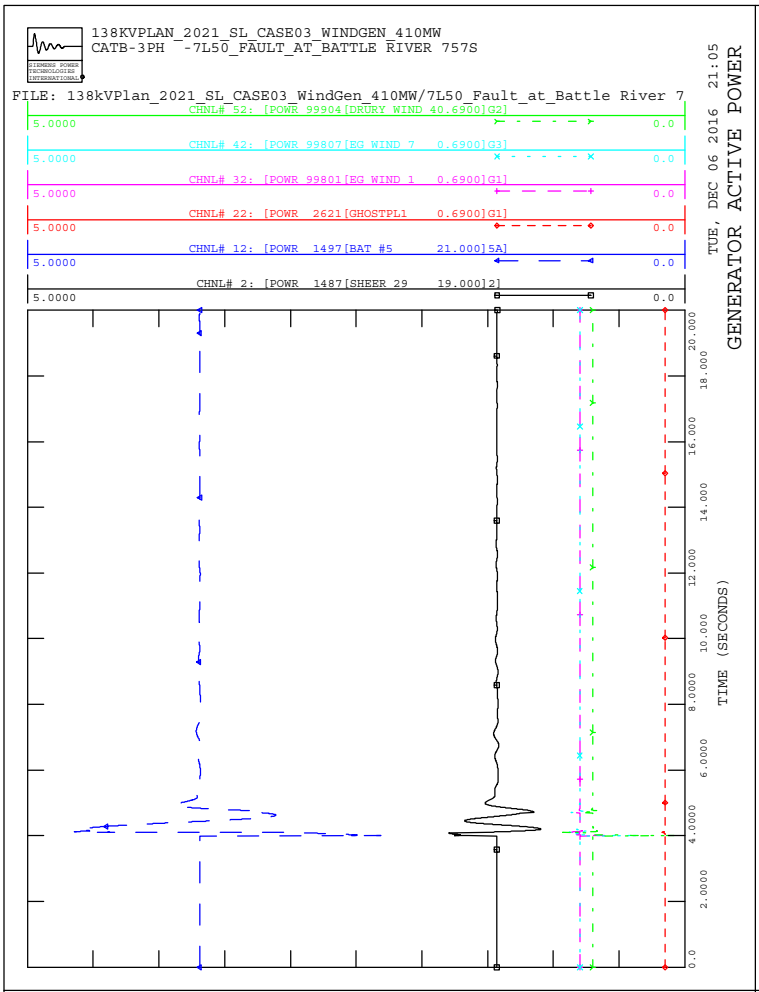
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

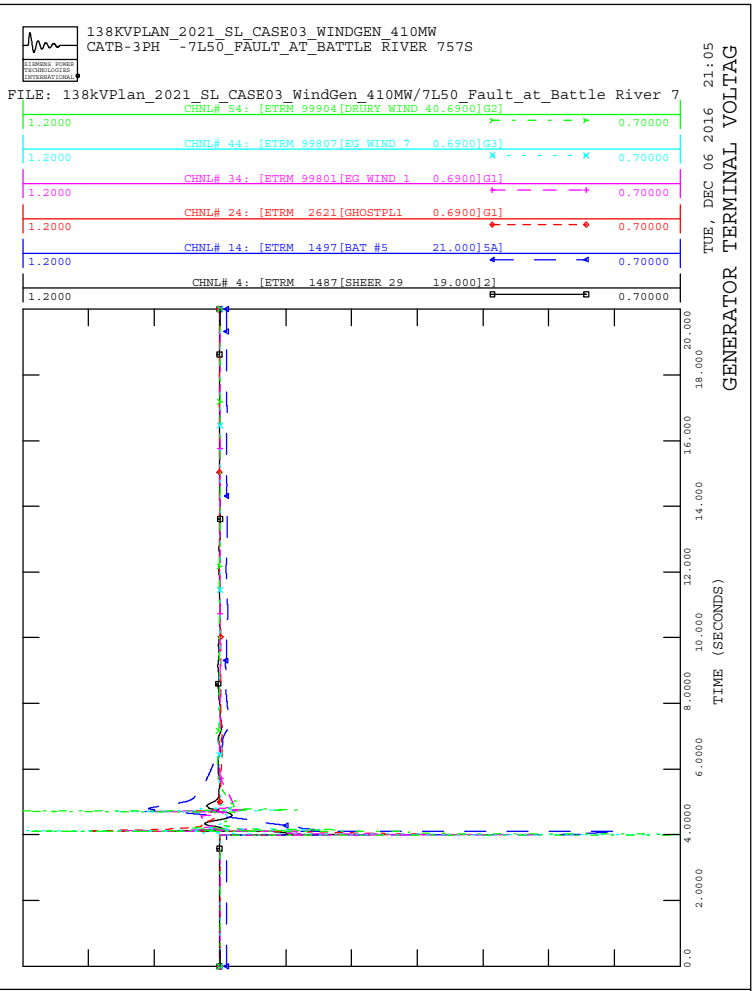
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7

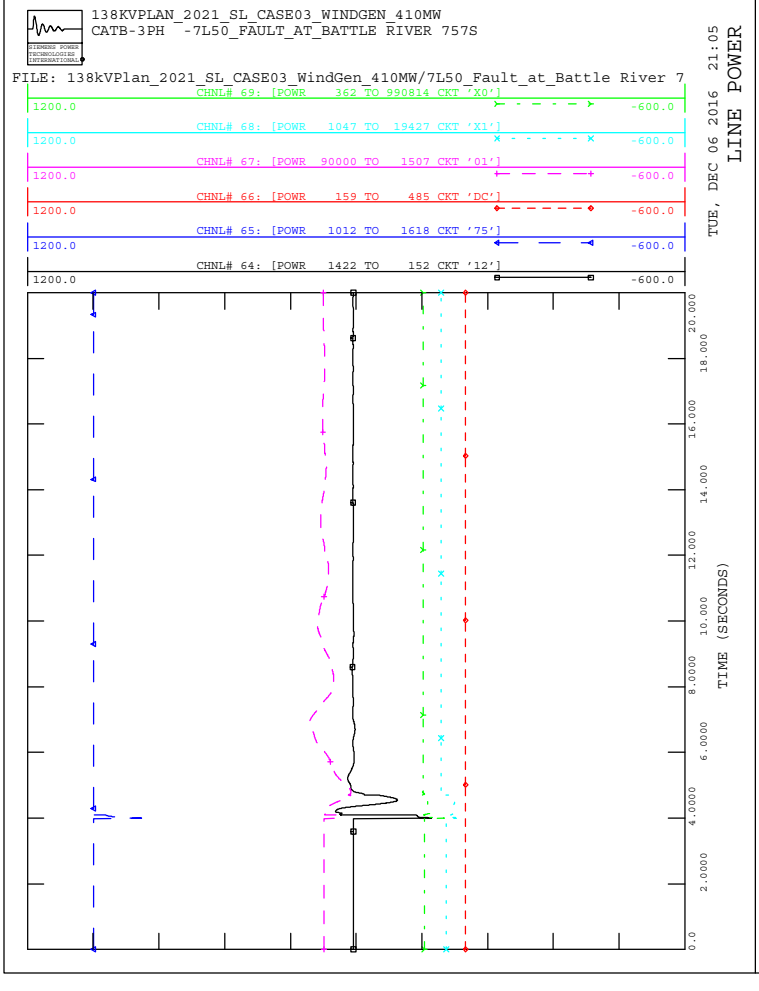
TUE, DEC 06 2016 21:05

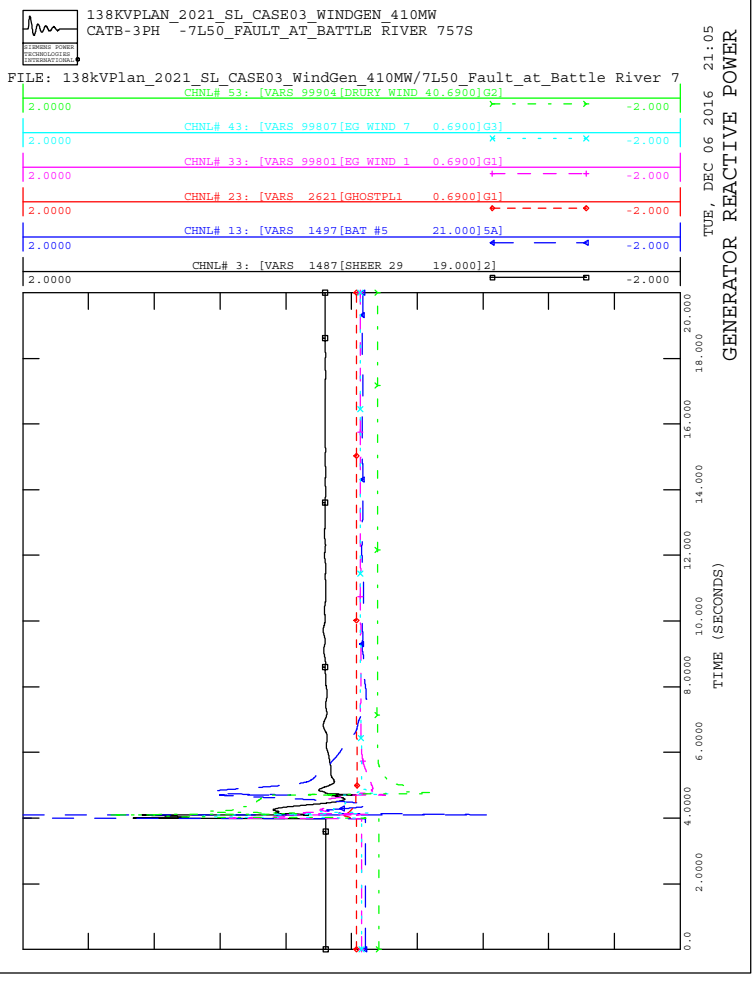
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

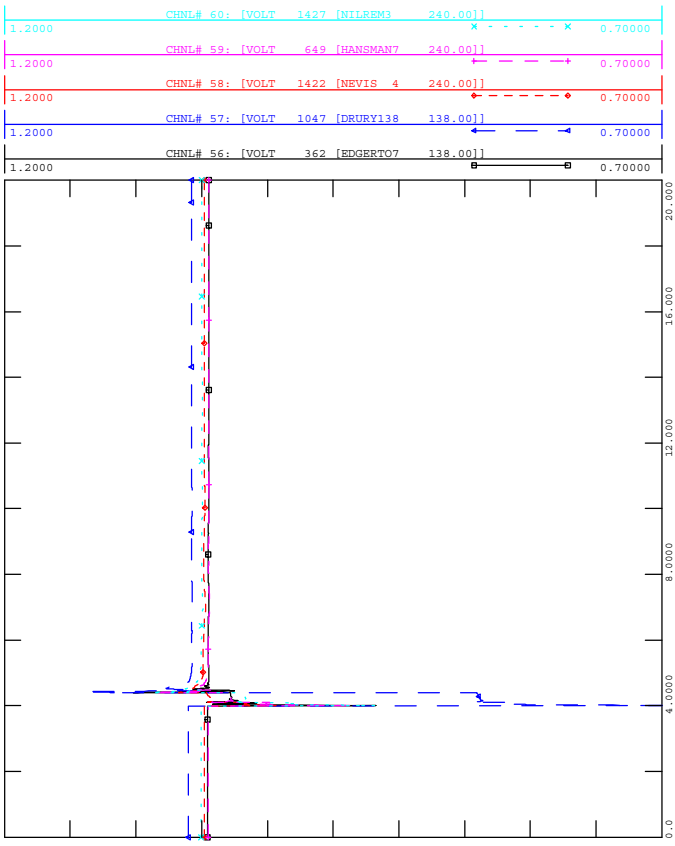

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:05

BUS VOLTAGE

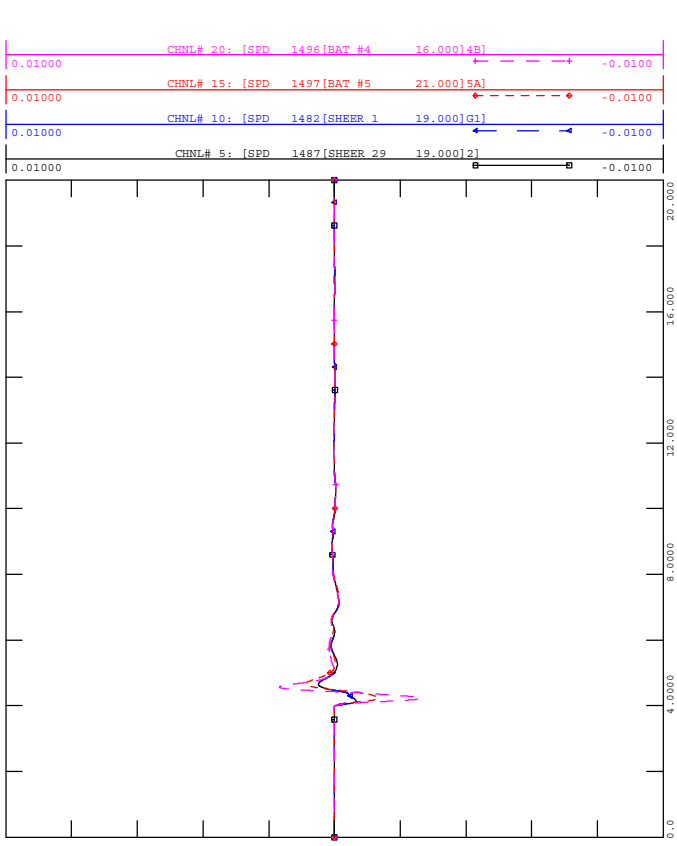


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:05

MACHINE SPEED

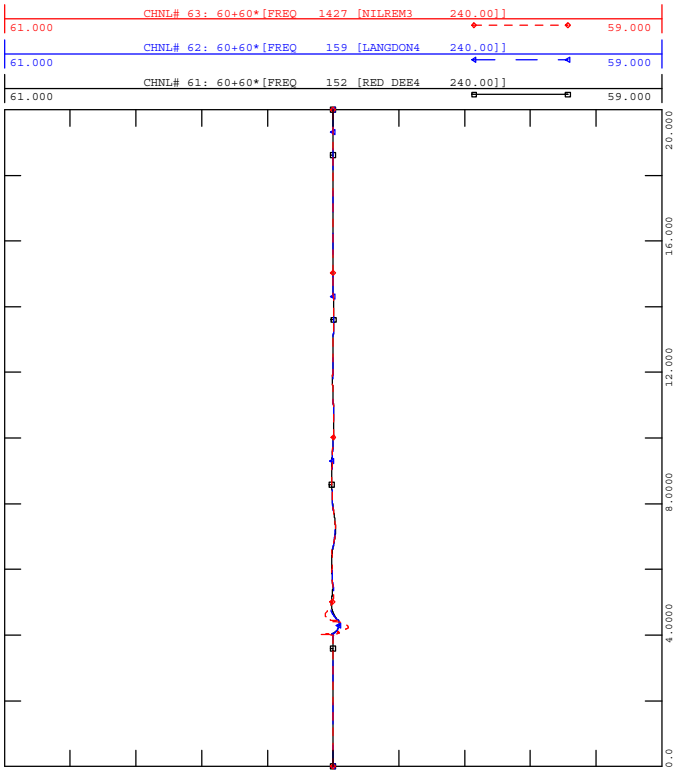


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:05

FREQUENCY

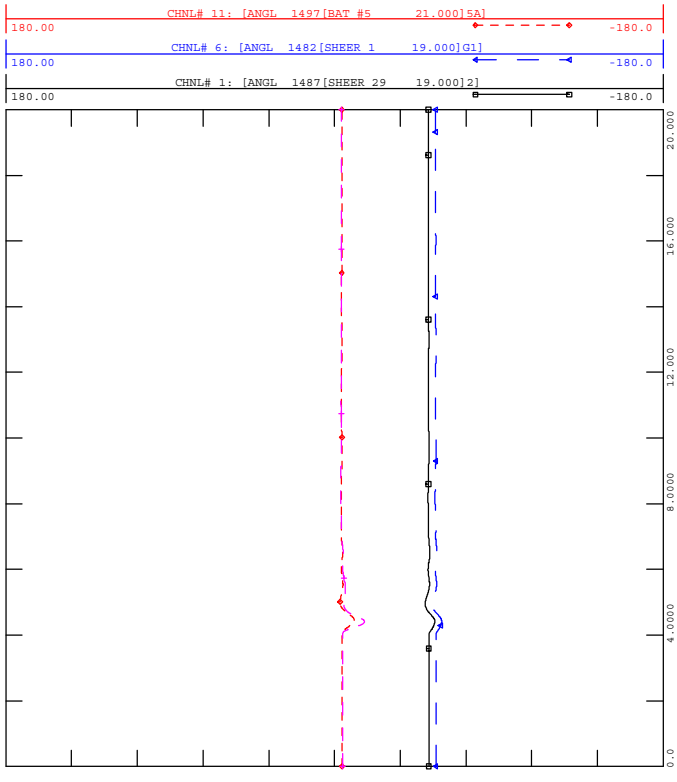


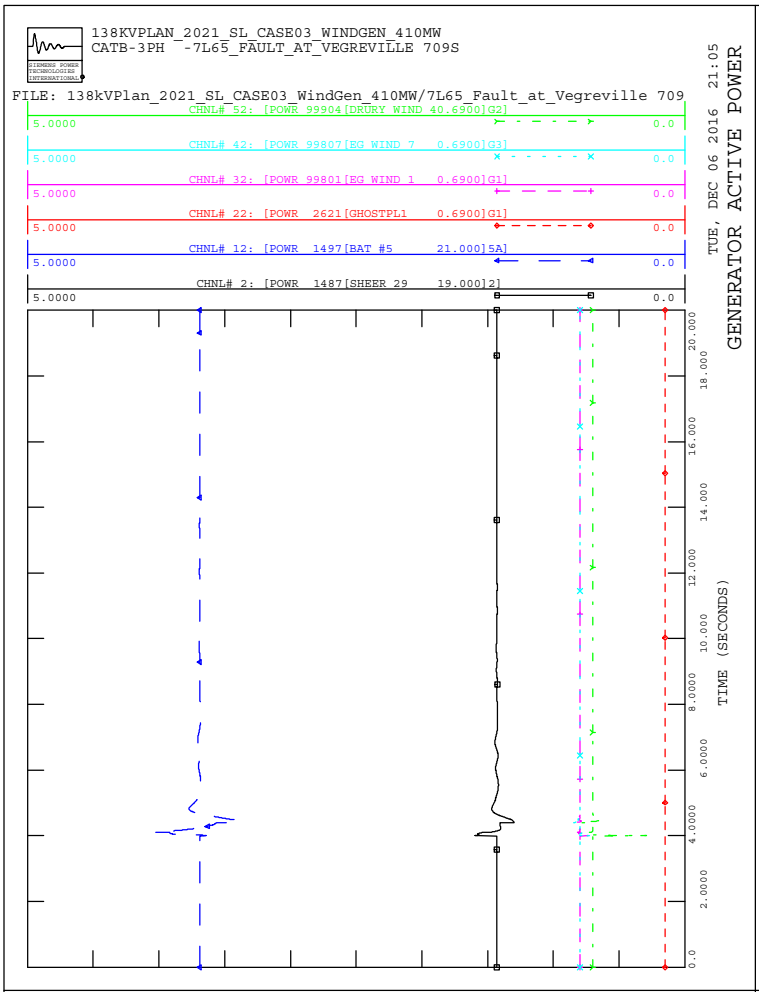
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

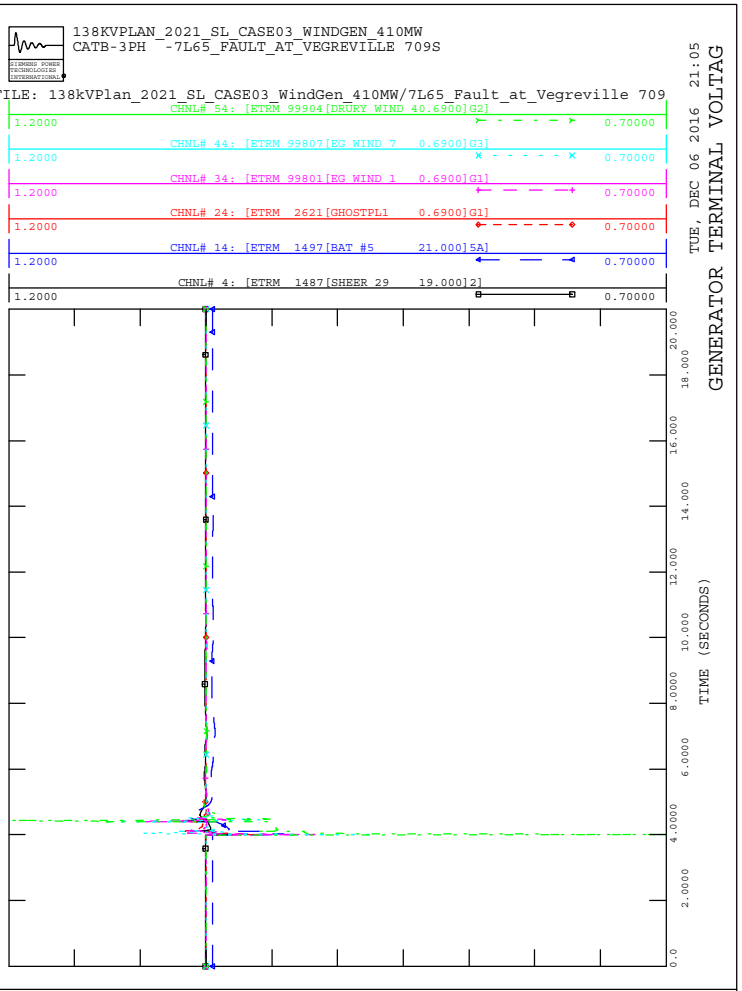
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:05

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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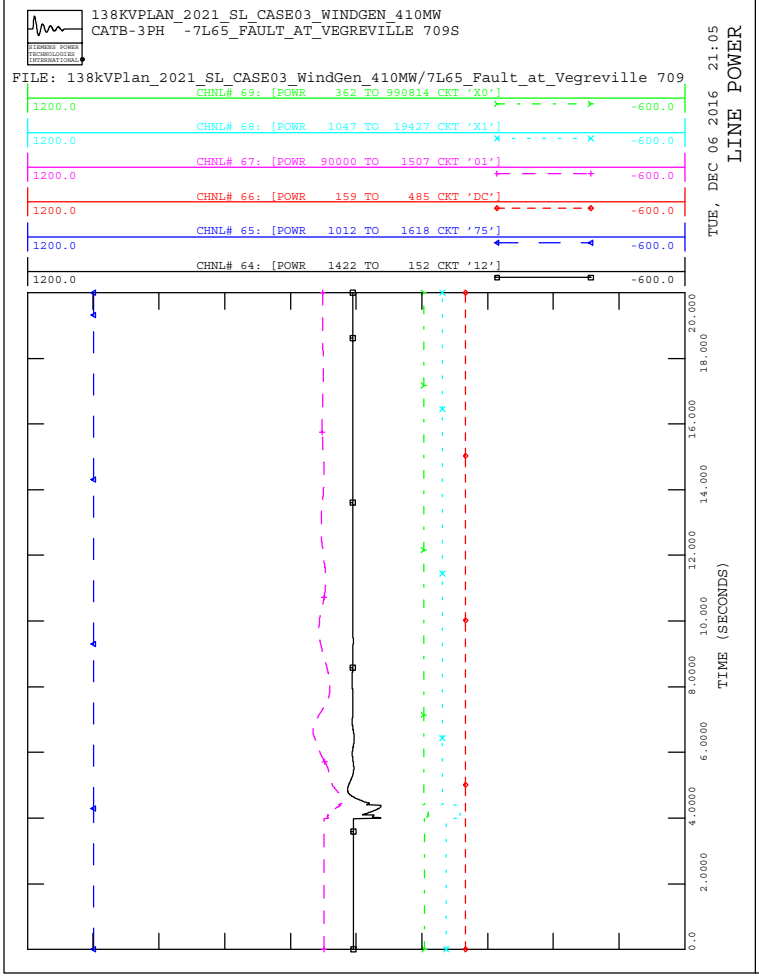
20.000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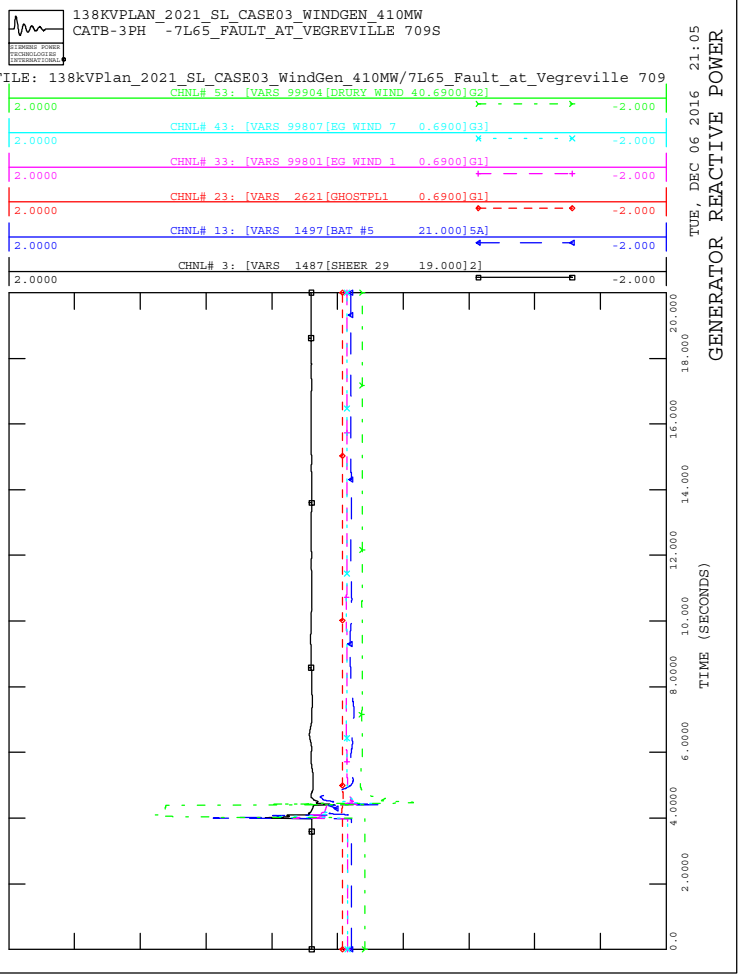
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

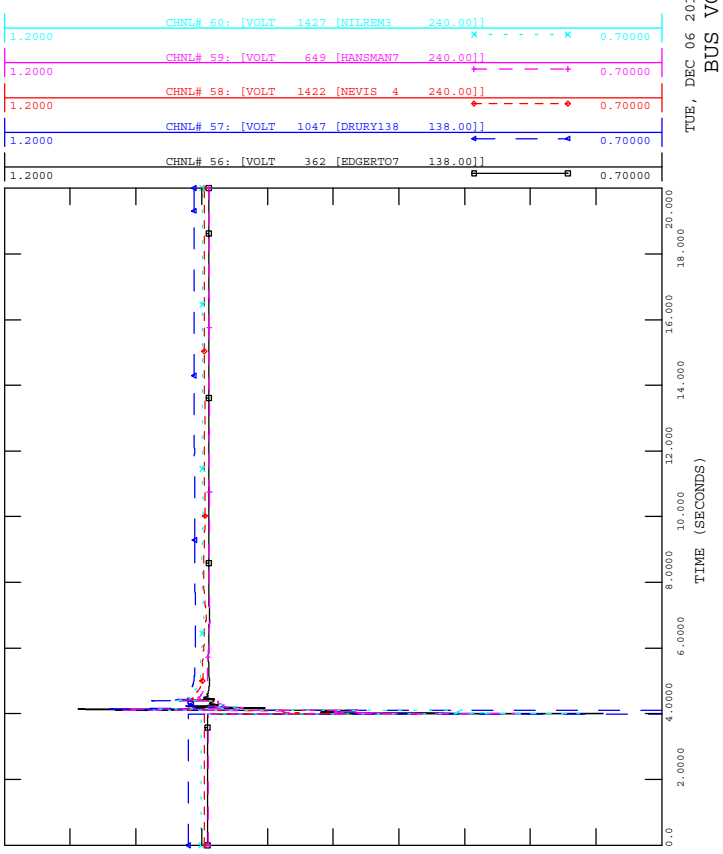

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou

TUE, DEC 06 2016 21:05

BUS VOLTAGE



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

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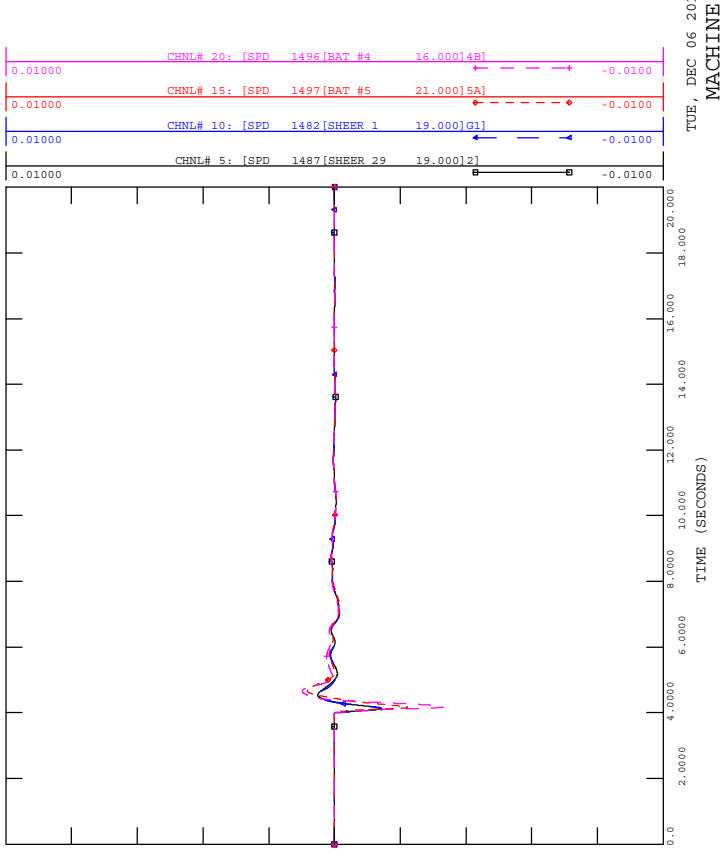
TUE, DEC 06 2016 21:05

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

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TUE, DEC 06 2016 21:05

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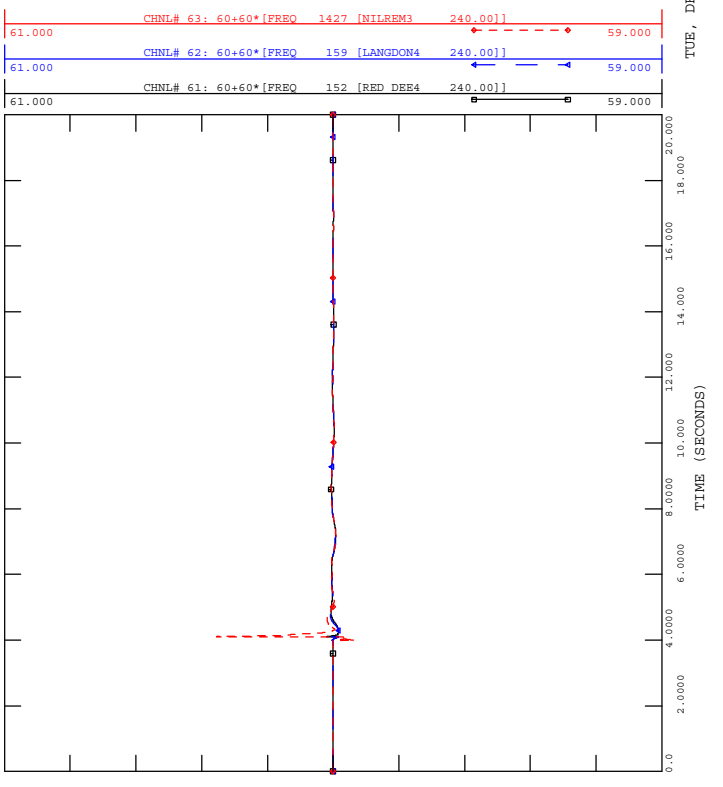

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CATB-3PH -7L65_FAULT_AT_DRURY 2007S

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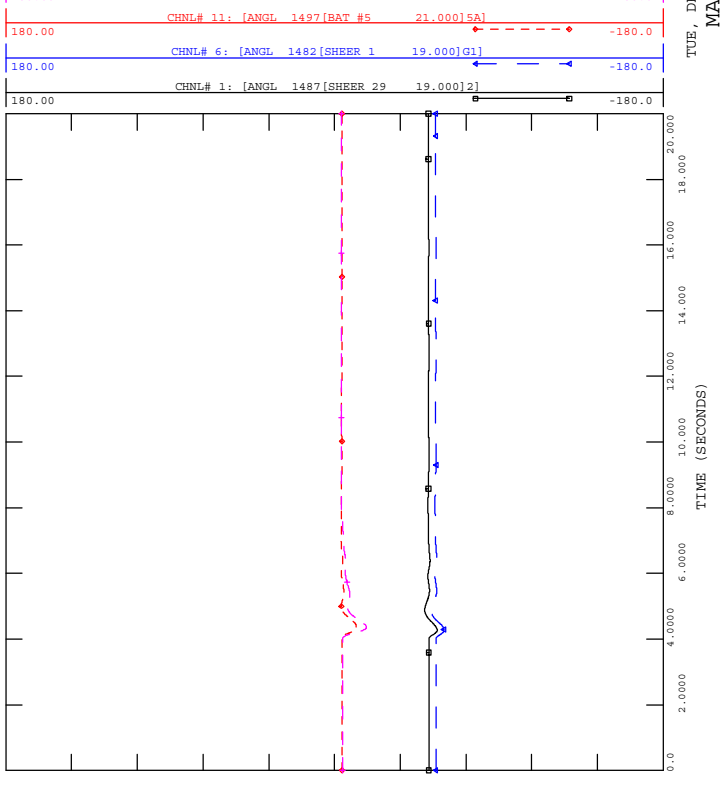
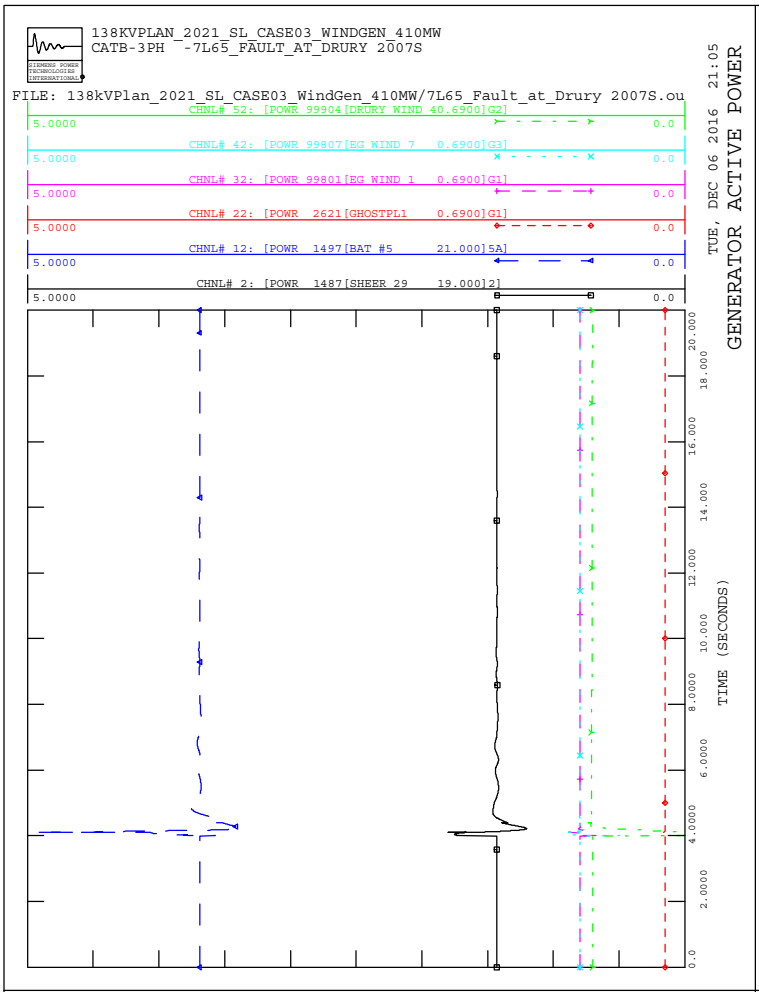
TUE, DEC 06 2016 21:05

MACHINE ANGLE

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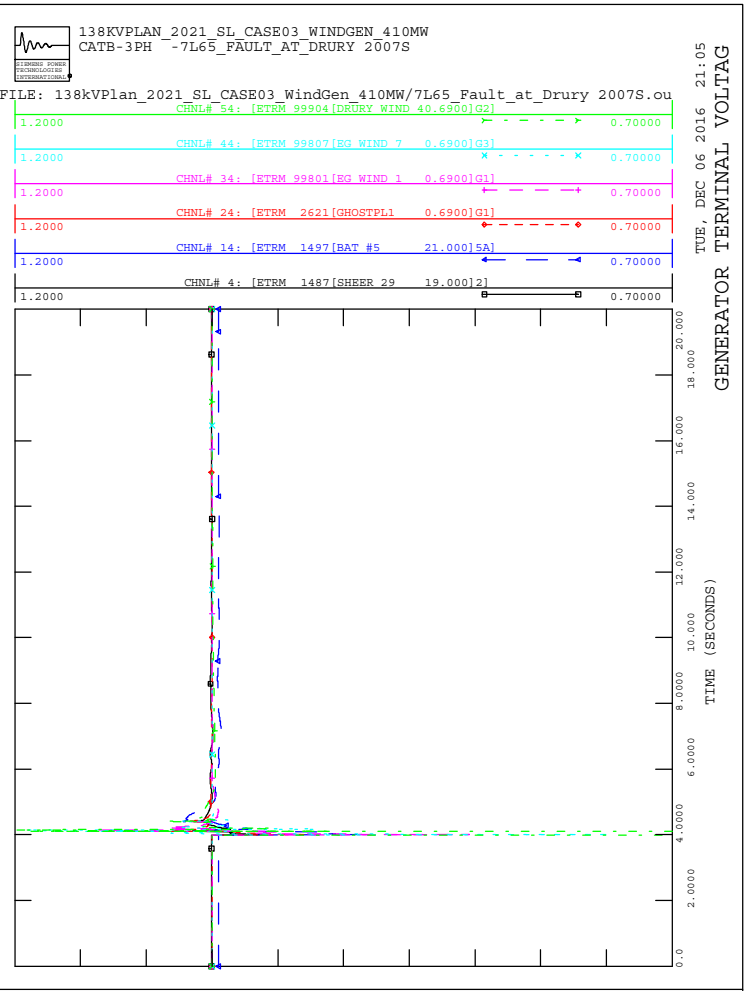
CATB-3PH -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)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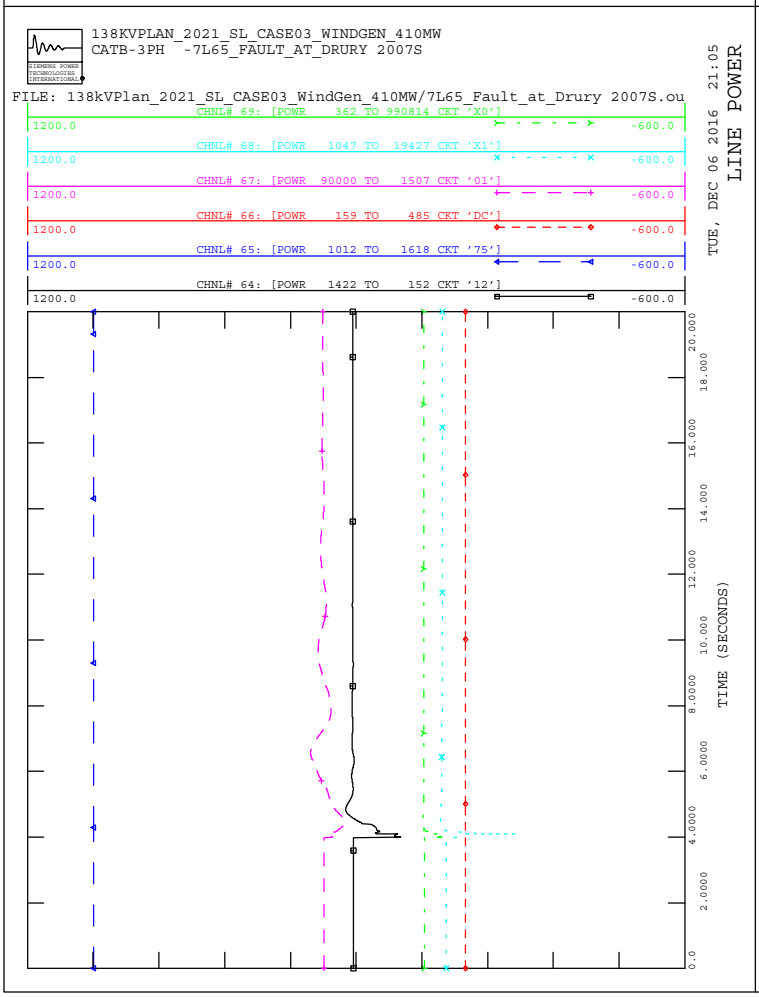
CATB-3PH -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)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CATB-3PH -7L65_FAULT_AT_DRURY 2007S
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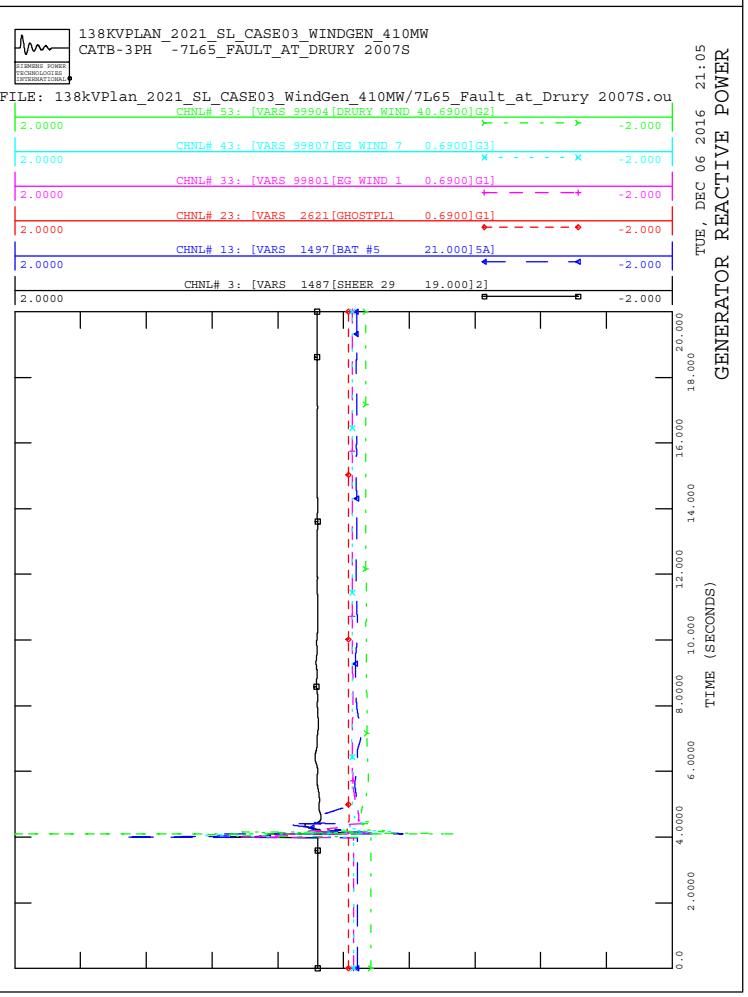
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)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CATB-3PH -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S

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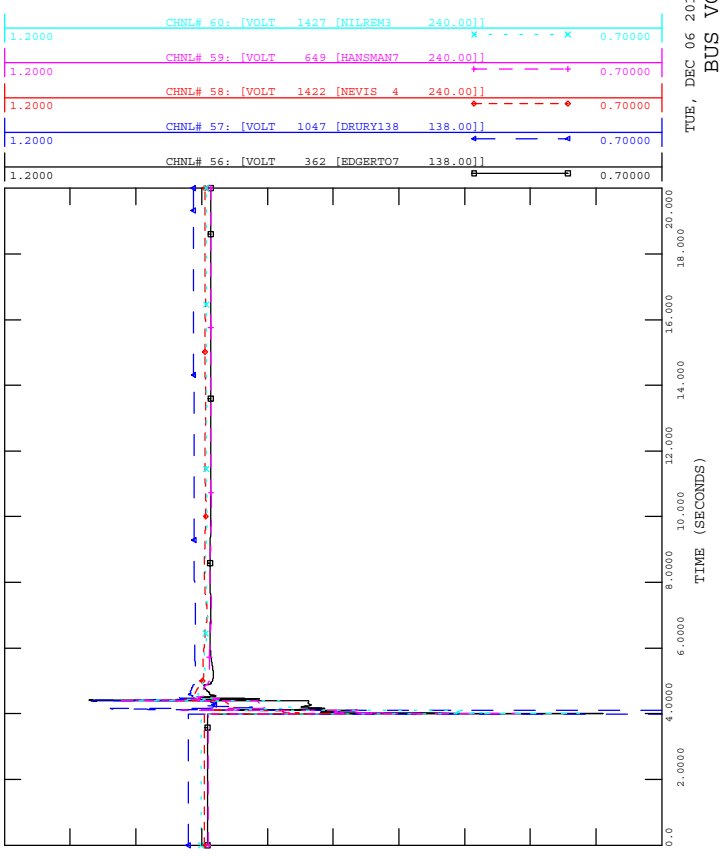
TUE, DEC 06 2016 21:05

BUS VOLTAGE



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CATB-3PH -7L205_FAULT_AT_DRURY 2007S

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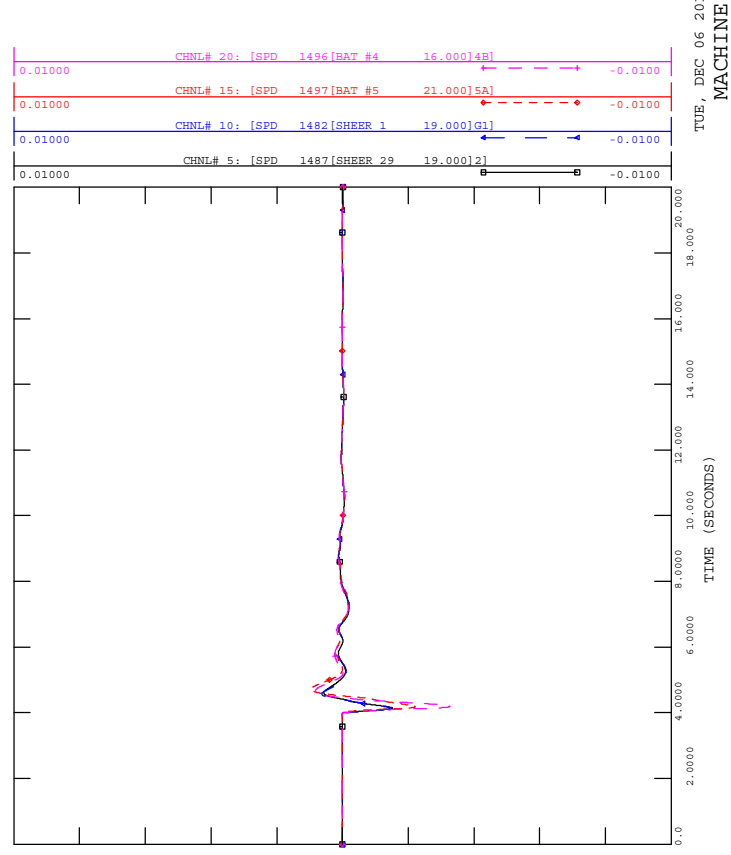
TUE, DEC 06 2016 21:05

MACHINE SPEED



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CATB-3PH -7L205_FAULT_AT_DRURY 2007S

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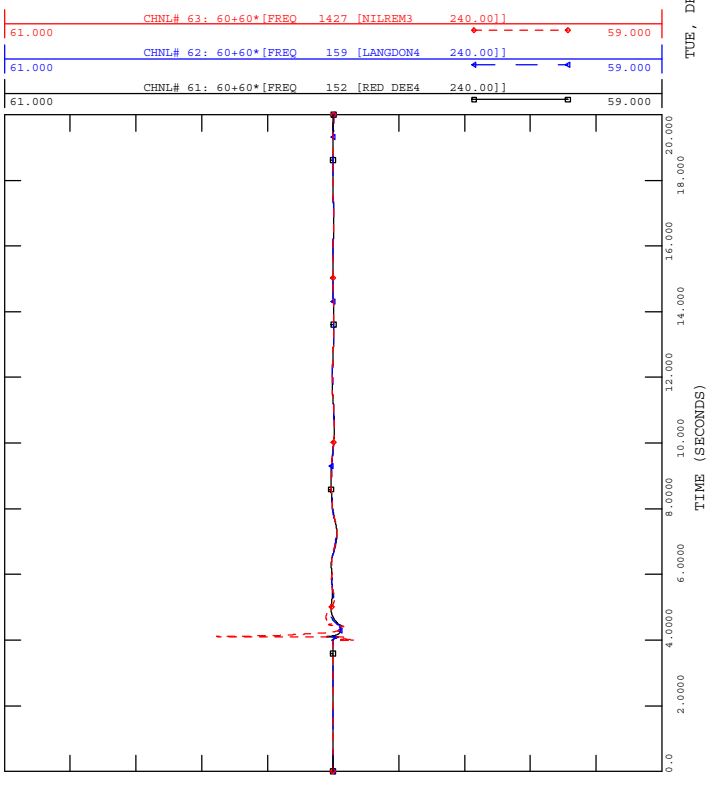

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CATB-3PH -7L205_FAULT_AT_DRURY 2007S

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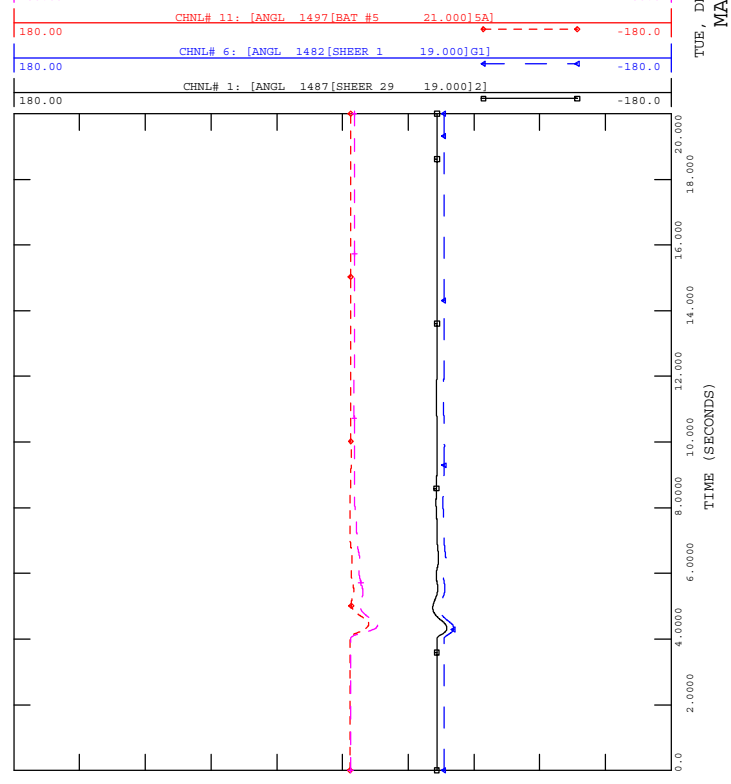
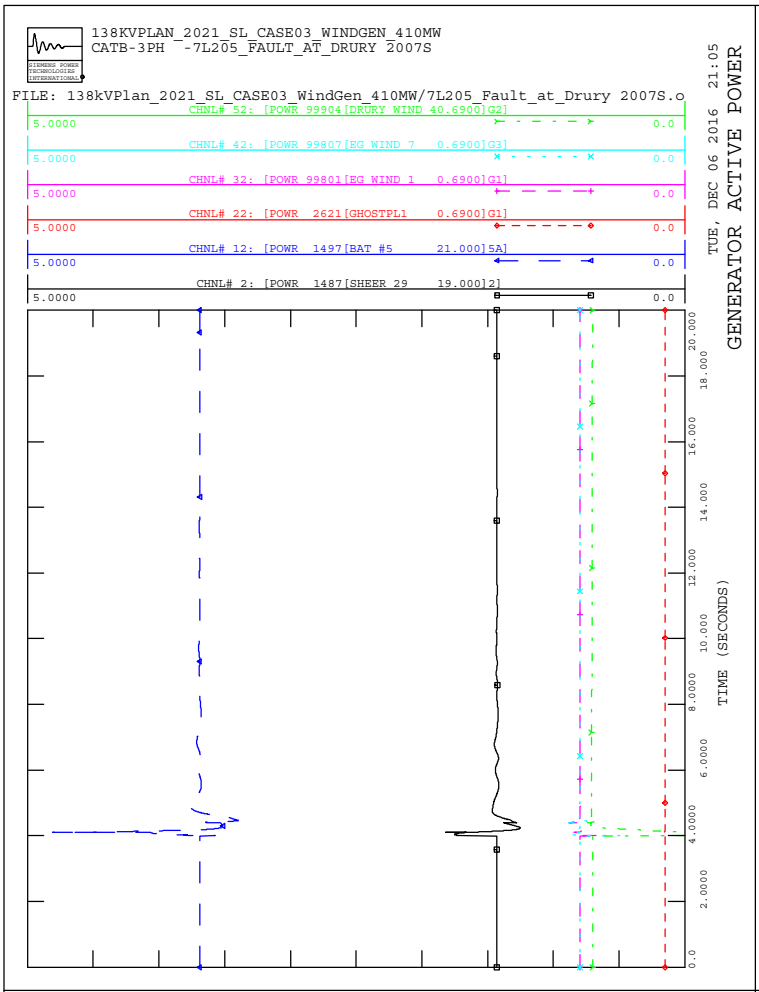
TUE, DEC 06 2016 21:05

MACHINE ANGLE

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CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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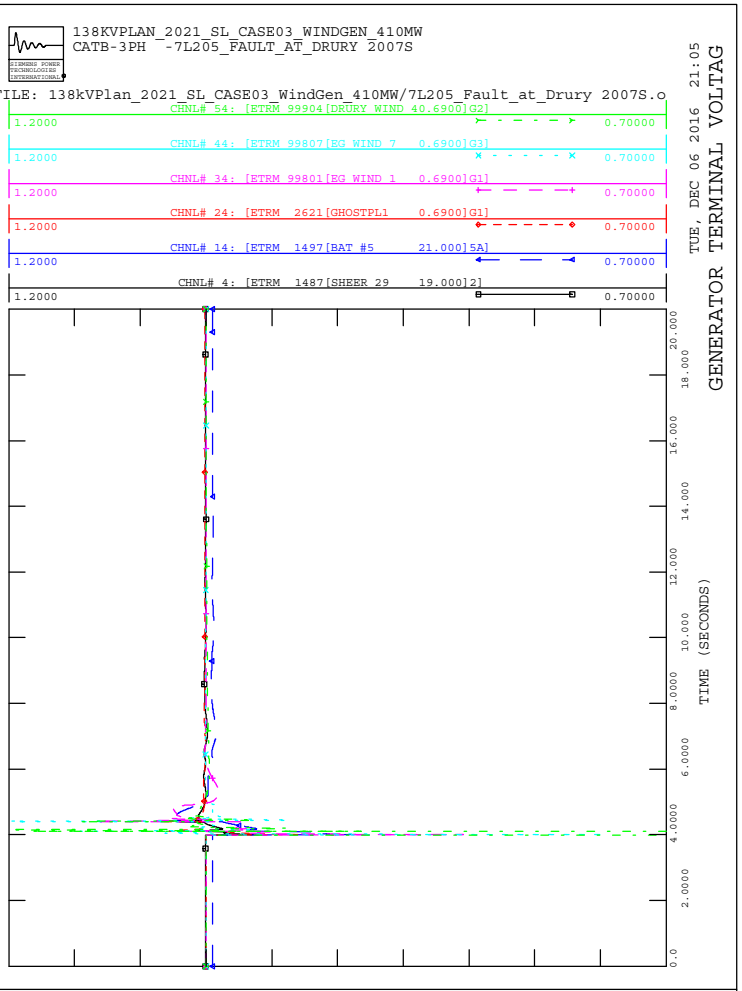
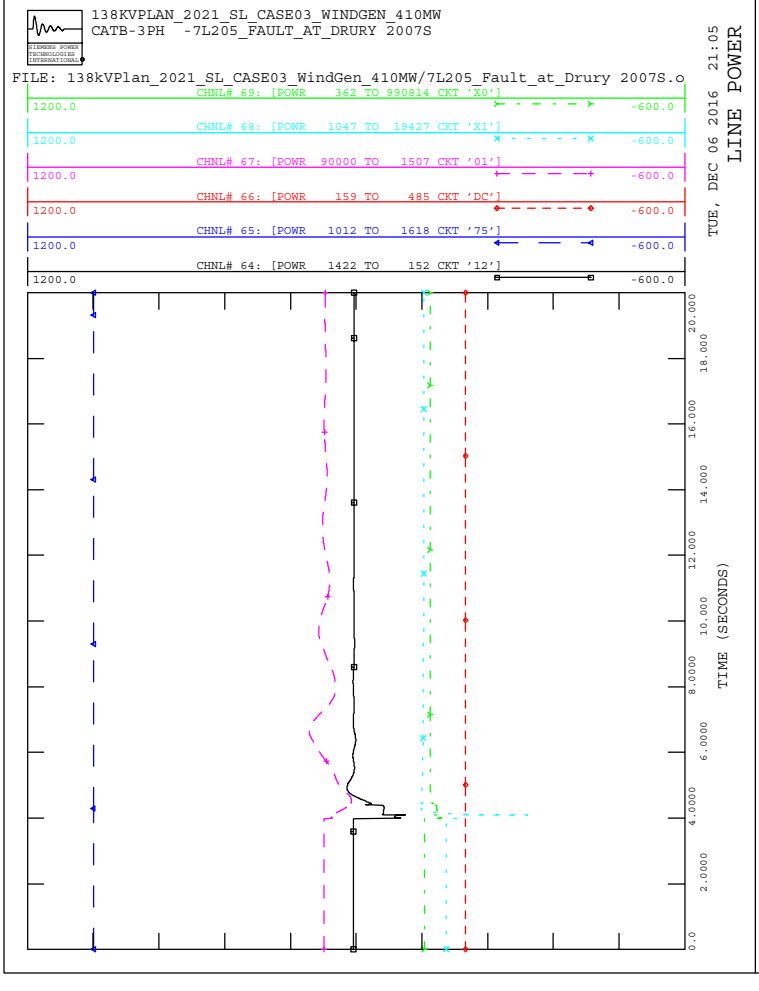
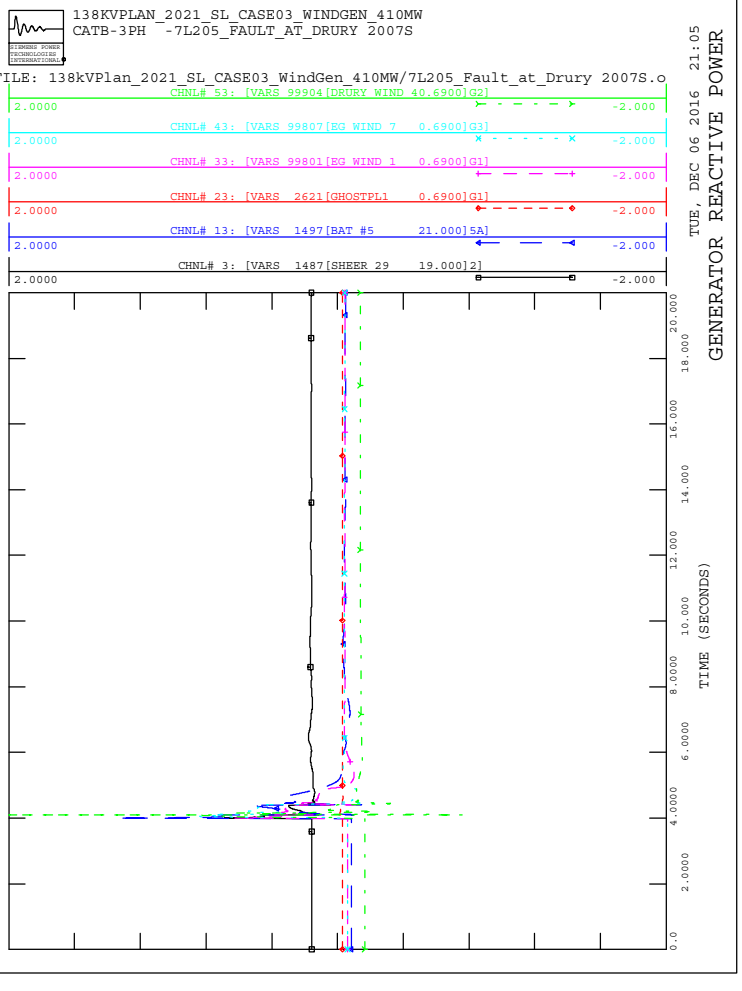
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

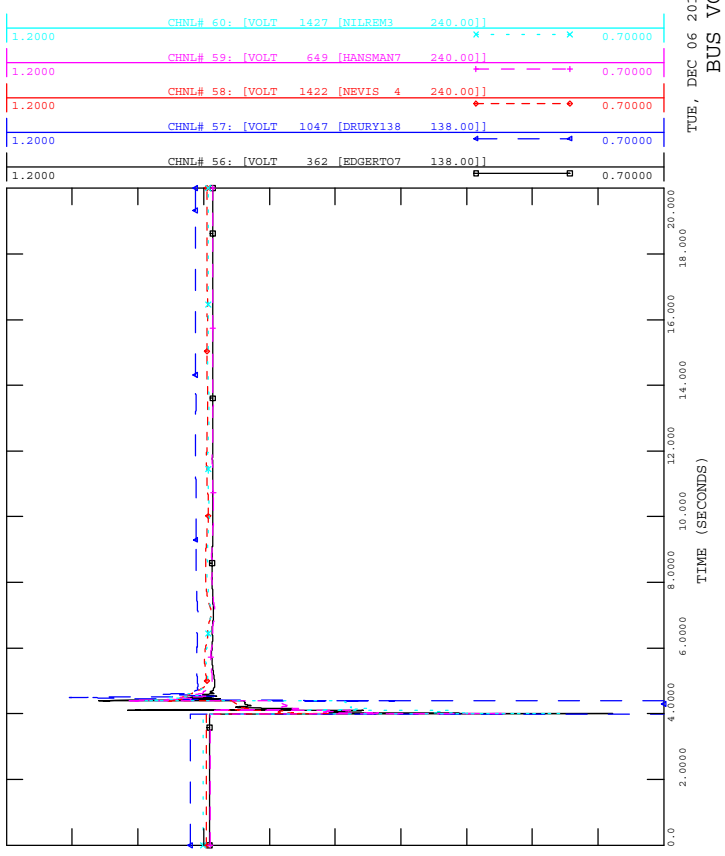

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:05

BUS VOLTAGE

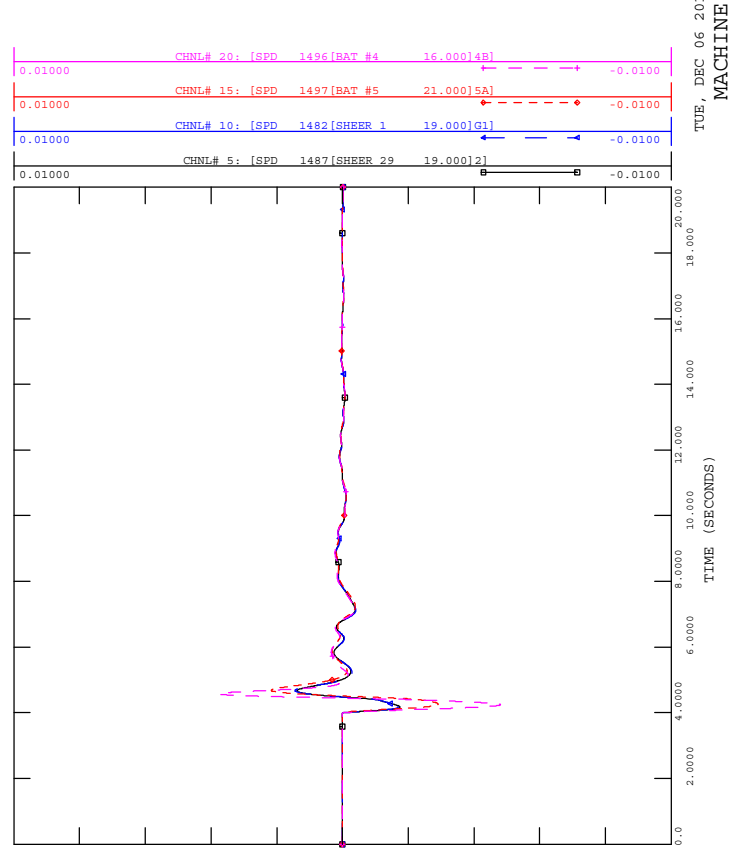


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:05

MACHINE SPEED

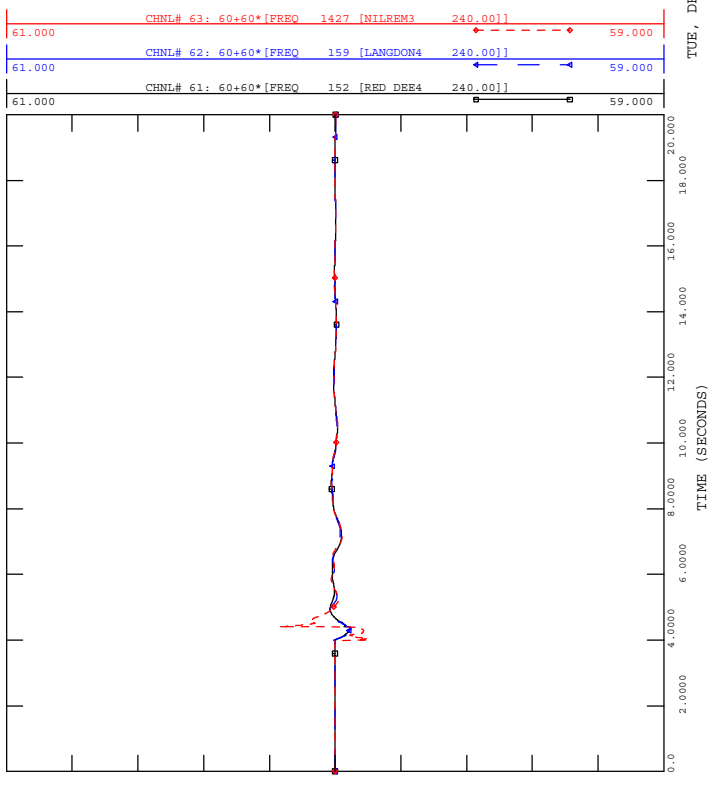


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:05

FREQUENCY

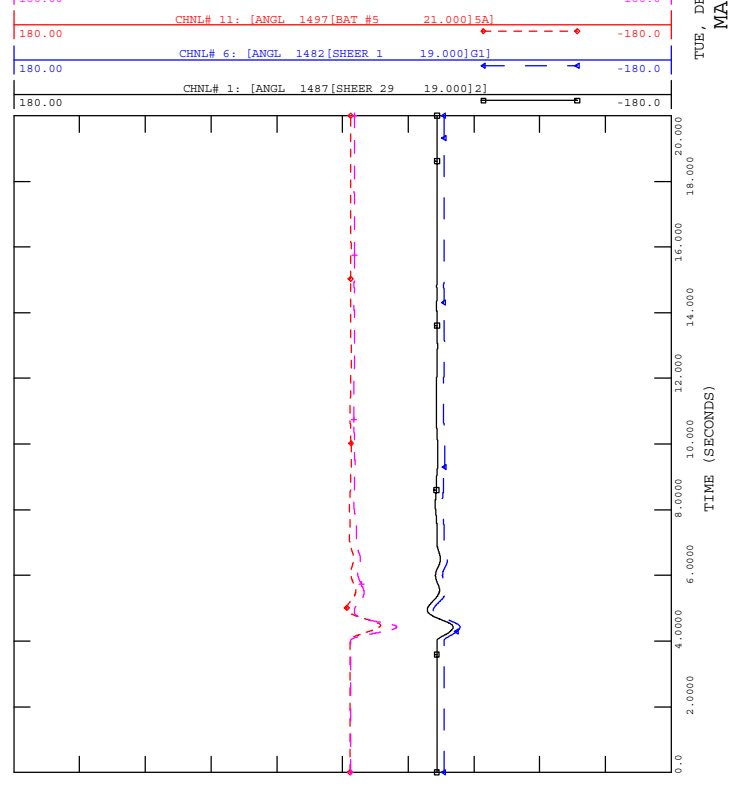


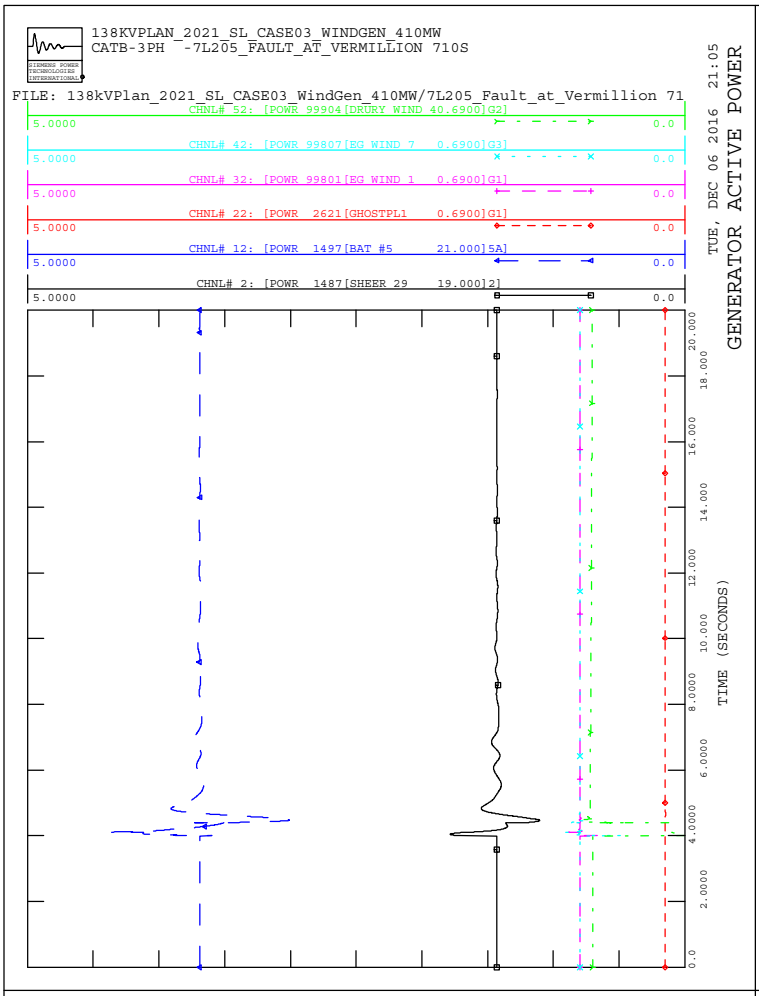
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

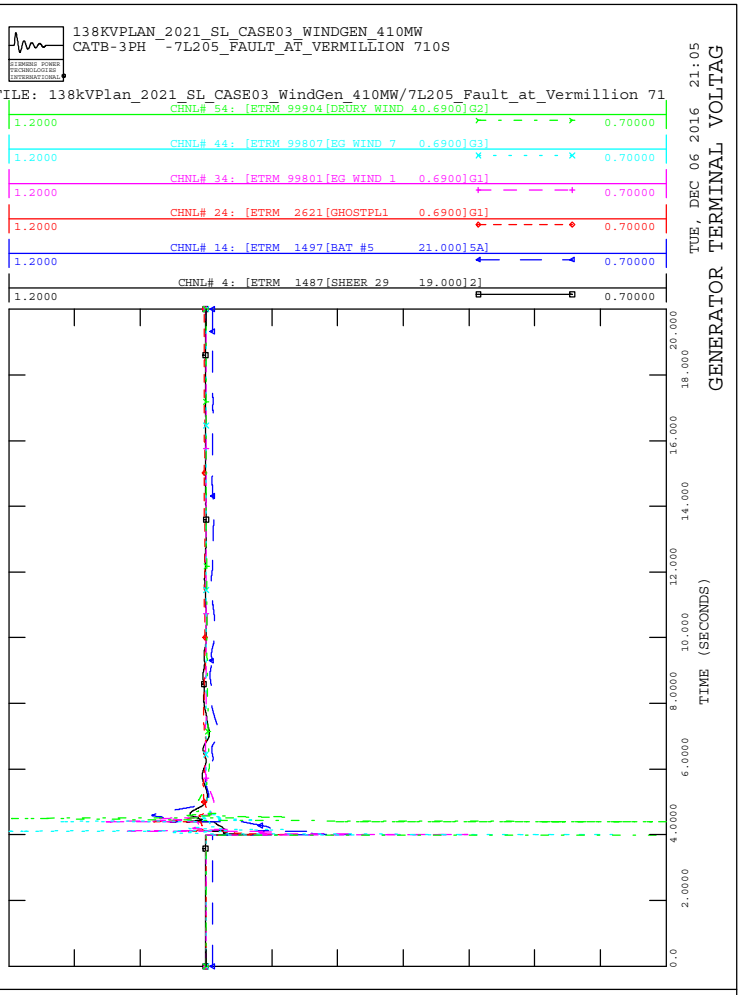
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71

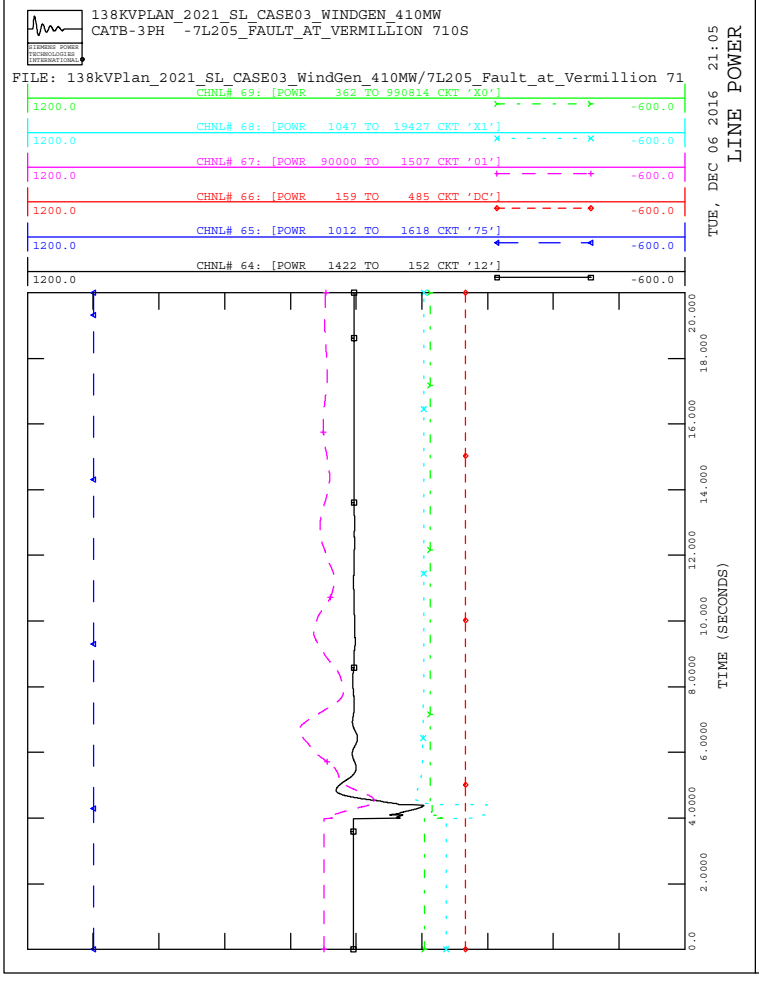
TUE, DEC 06 2016 21:05

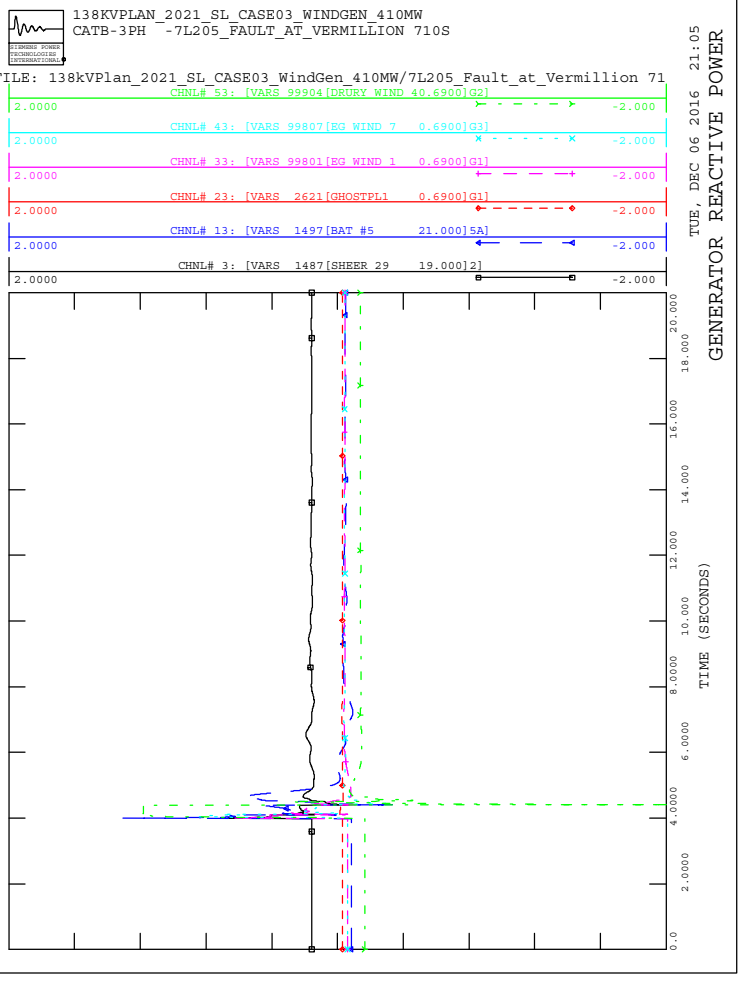
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

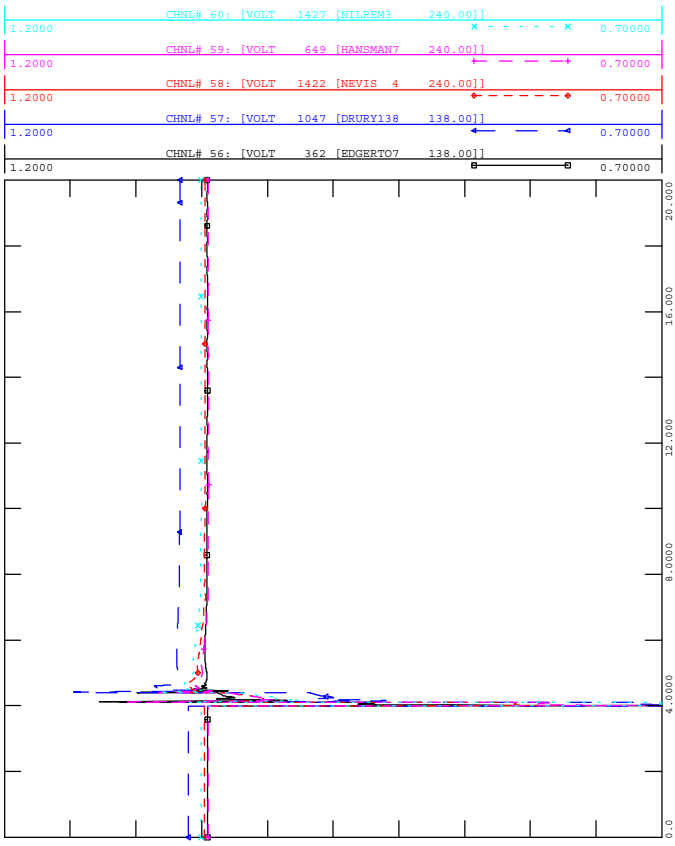

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River

TUE, DEC 06 2016 21:05

BUS VOLTAGE

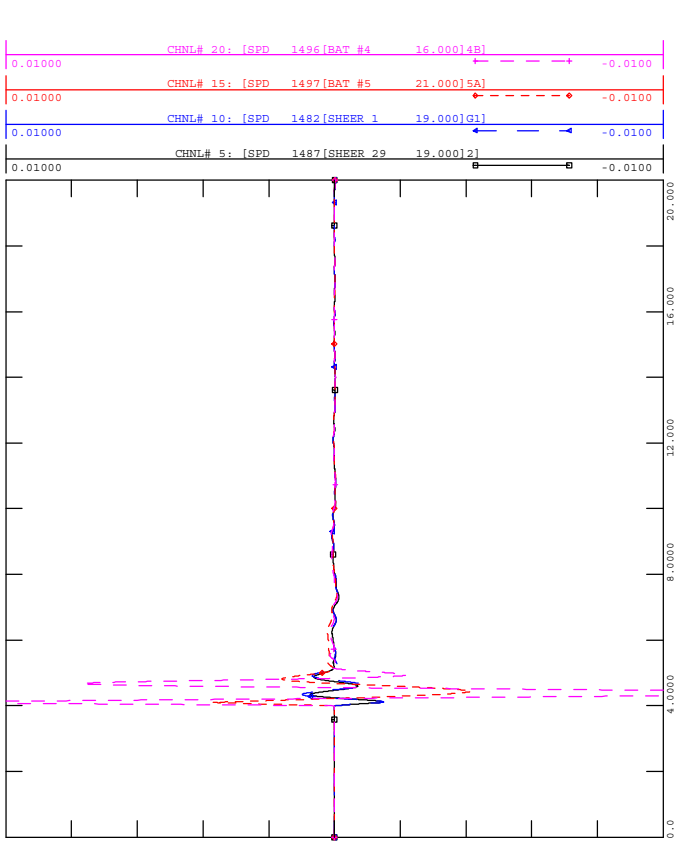


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River

TUE, DEC 06 2016 21:05

MACHINE SPEED

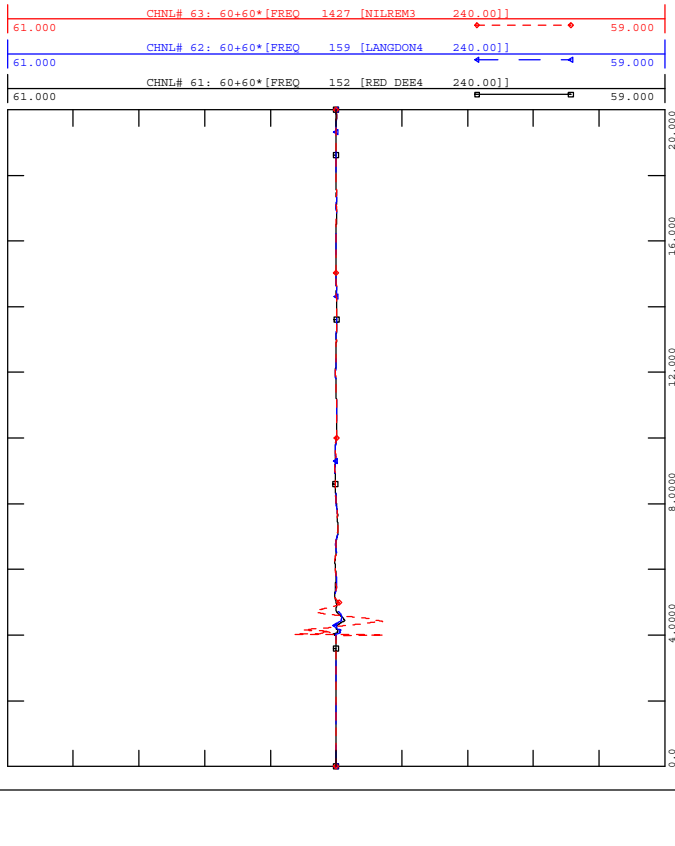


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River

TUE, DEC 06 2016 21:05

FREQUENCY

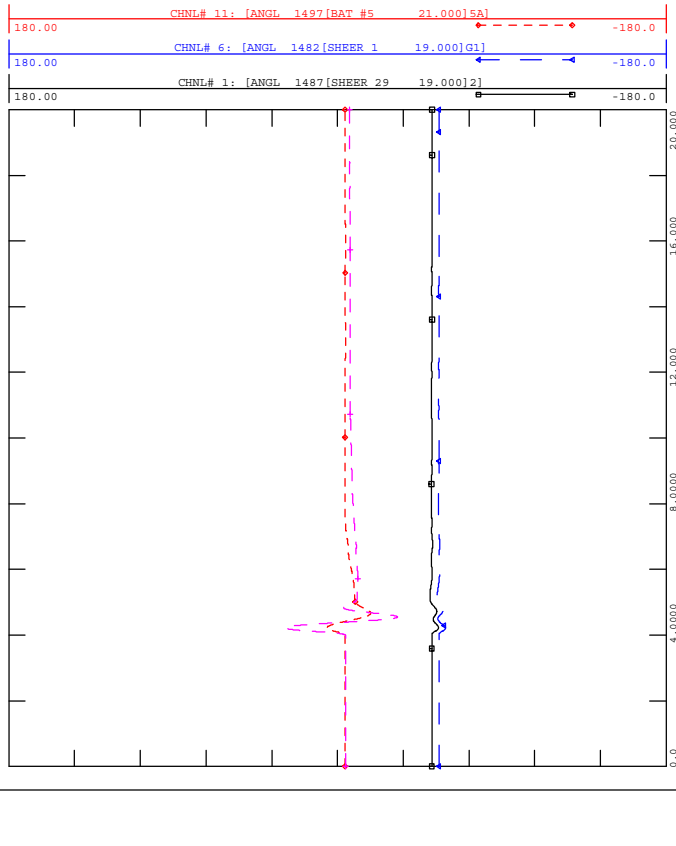


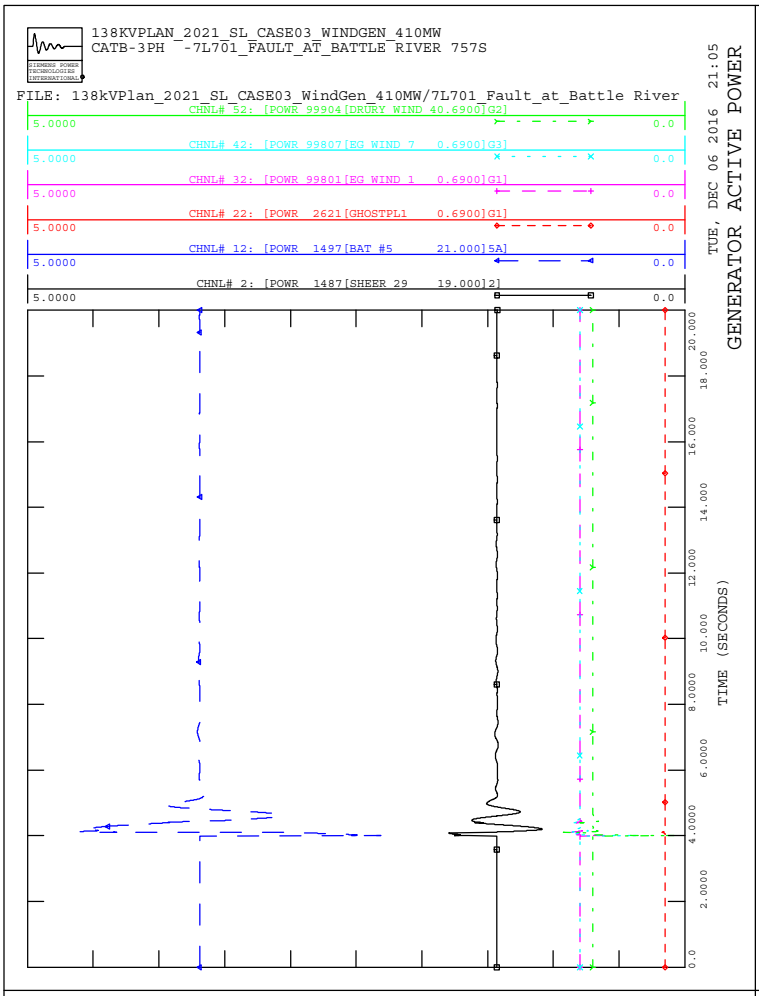
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S

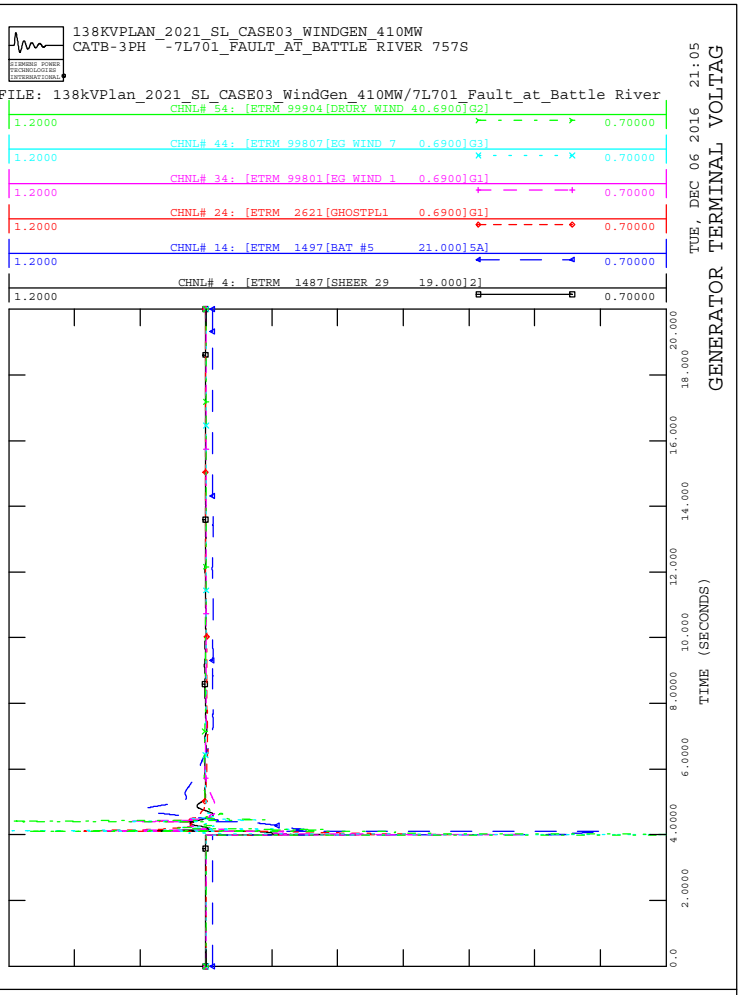
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River

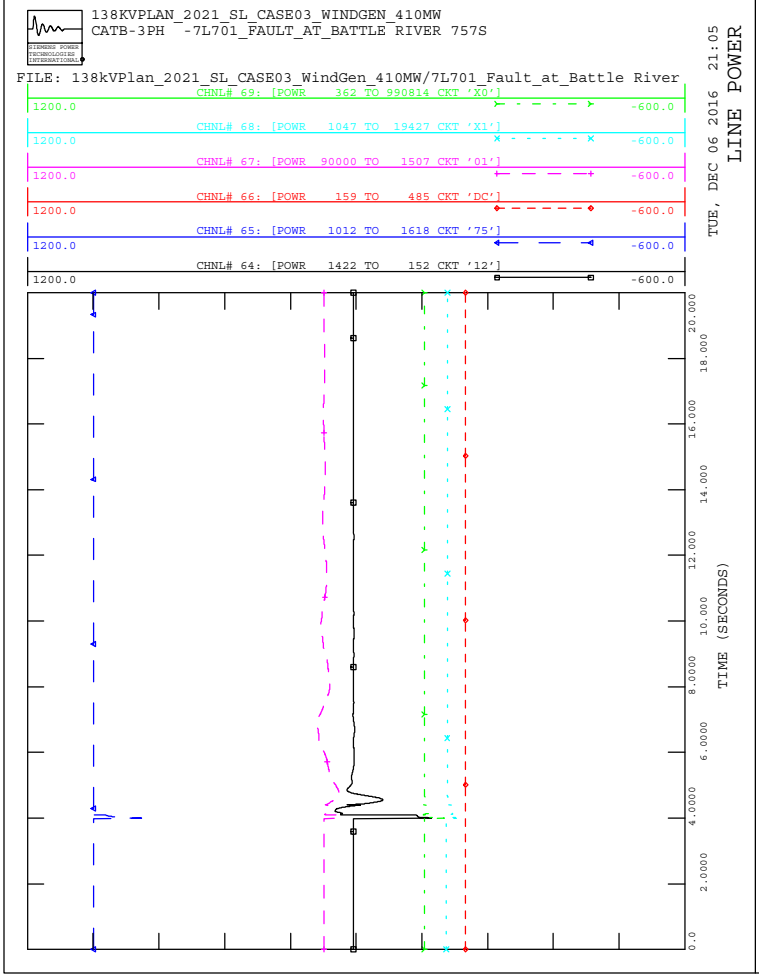
TUE, DEC 06 2016 21:05

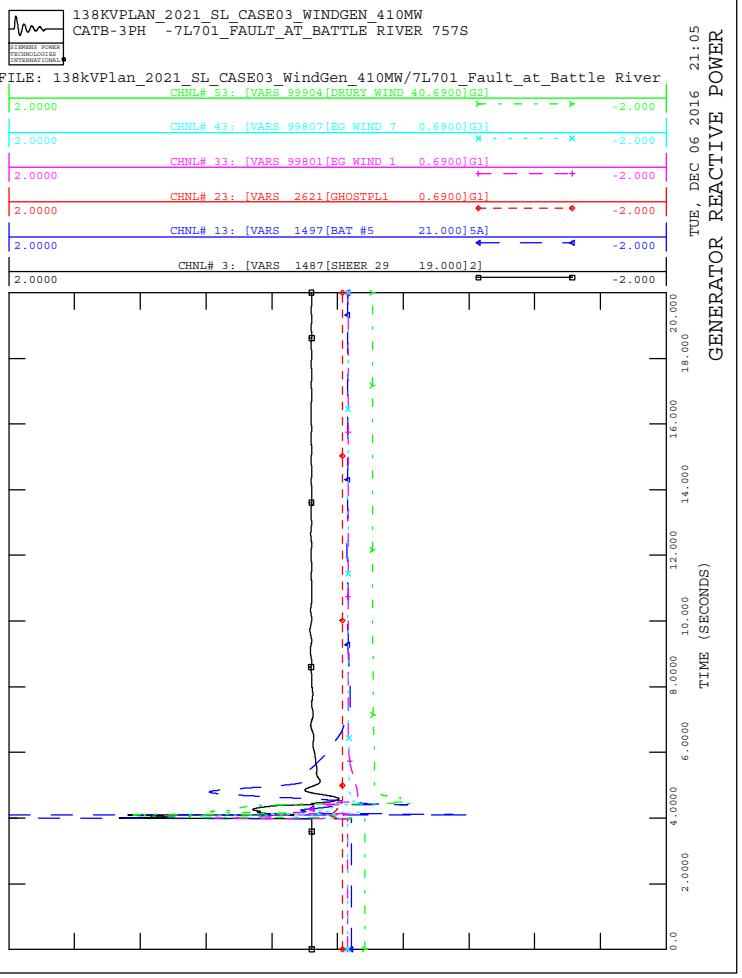
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

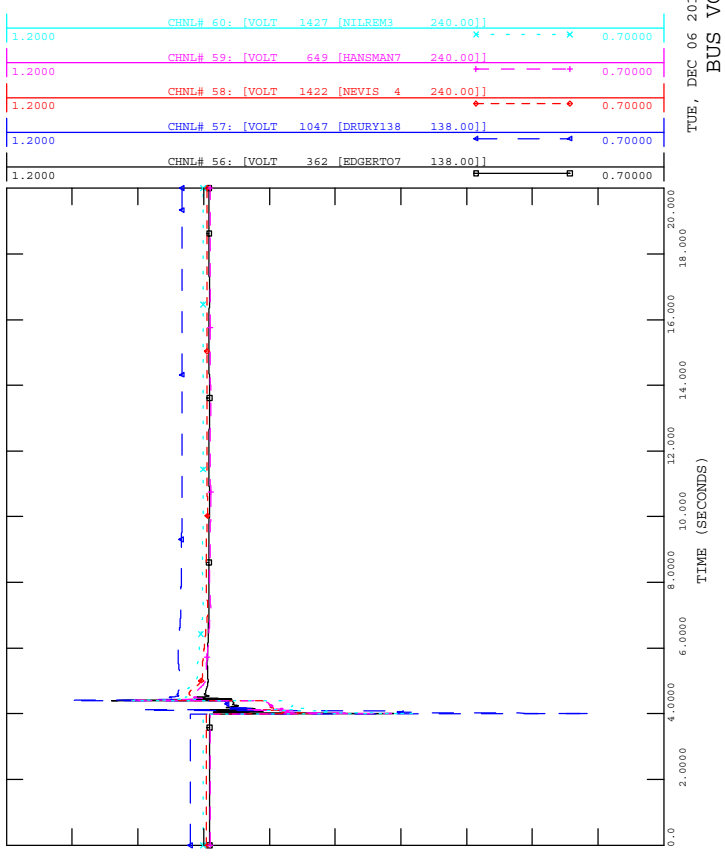

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o

TUE, DEC 06 2016 21:05

BUS VOLTAGE

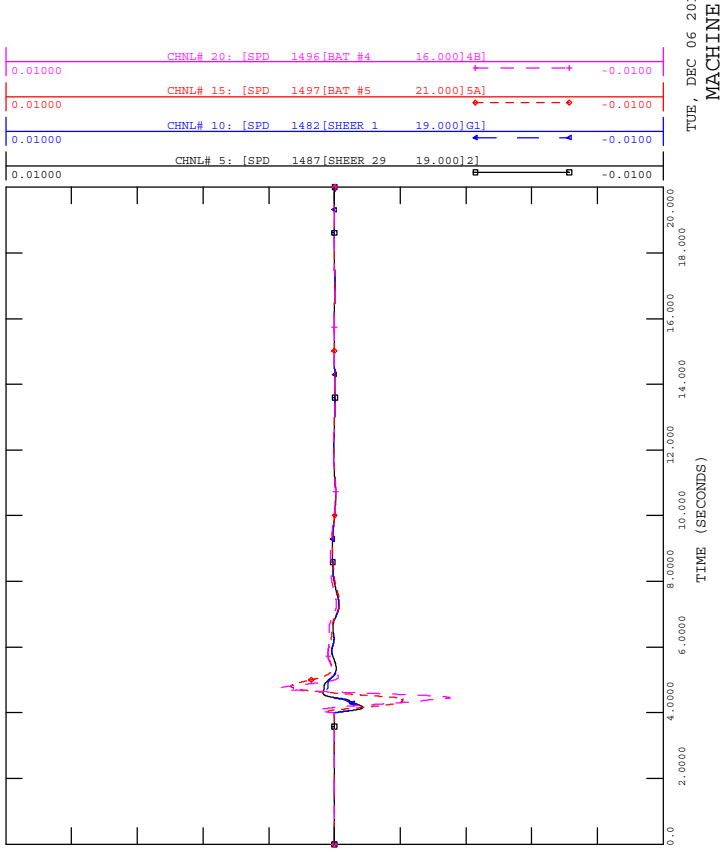


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o

TUE, DEC 06 2016 21:05

MACHINE SPEED

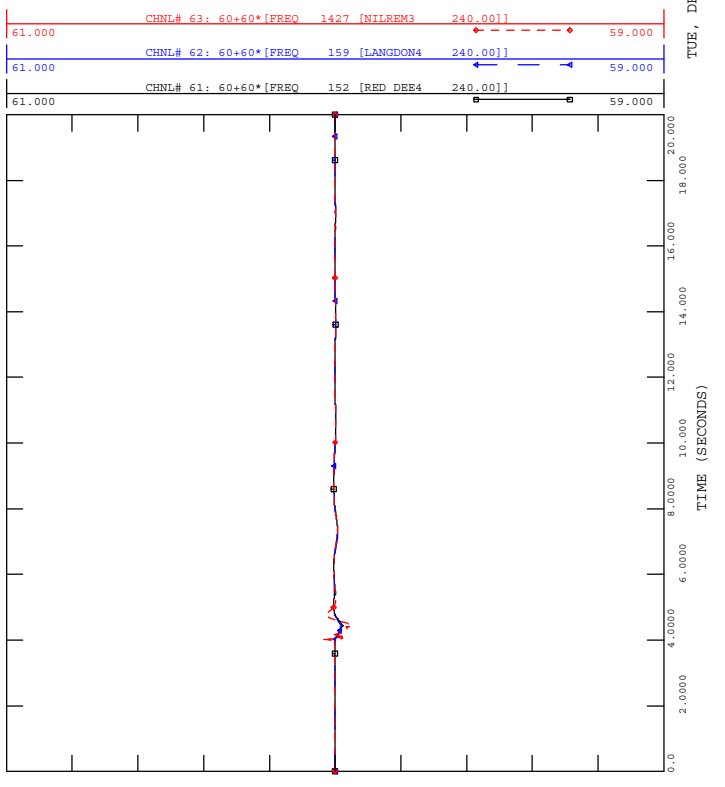


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o

TUE, DEC 06 2016 21:05

FREQUENCY

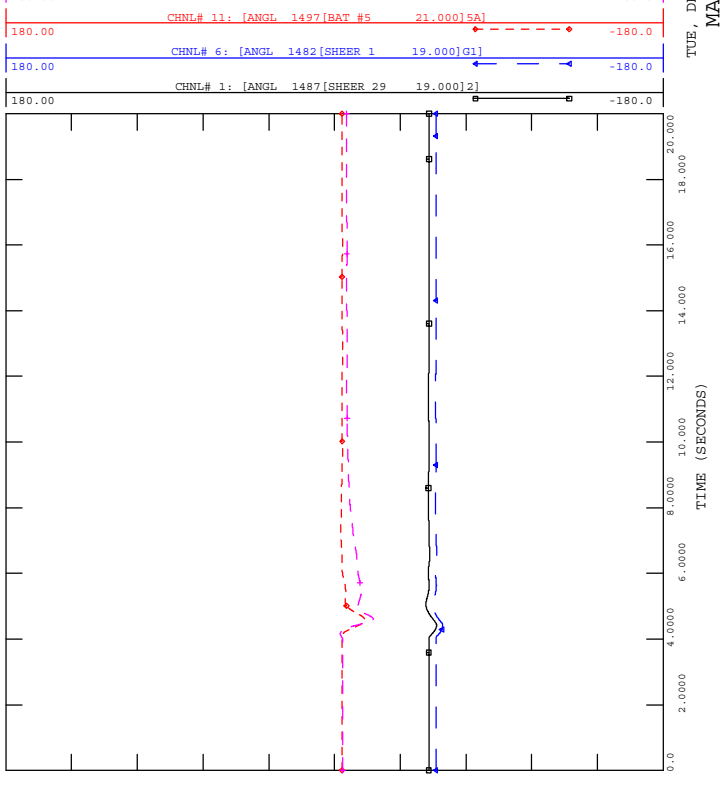


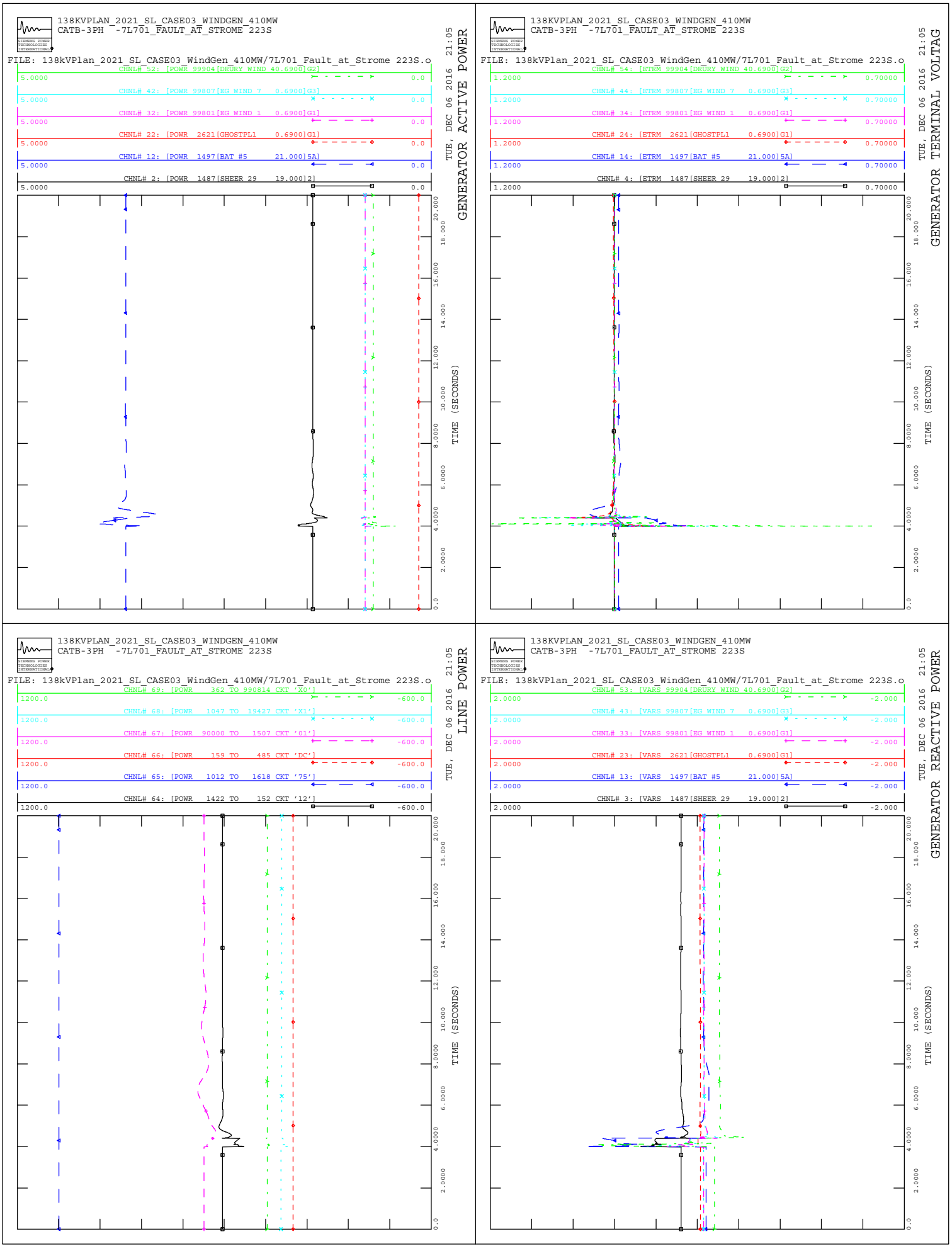
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o

TUE, DEC 06 2016 21:05

MACHINE ANGLE



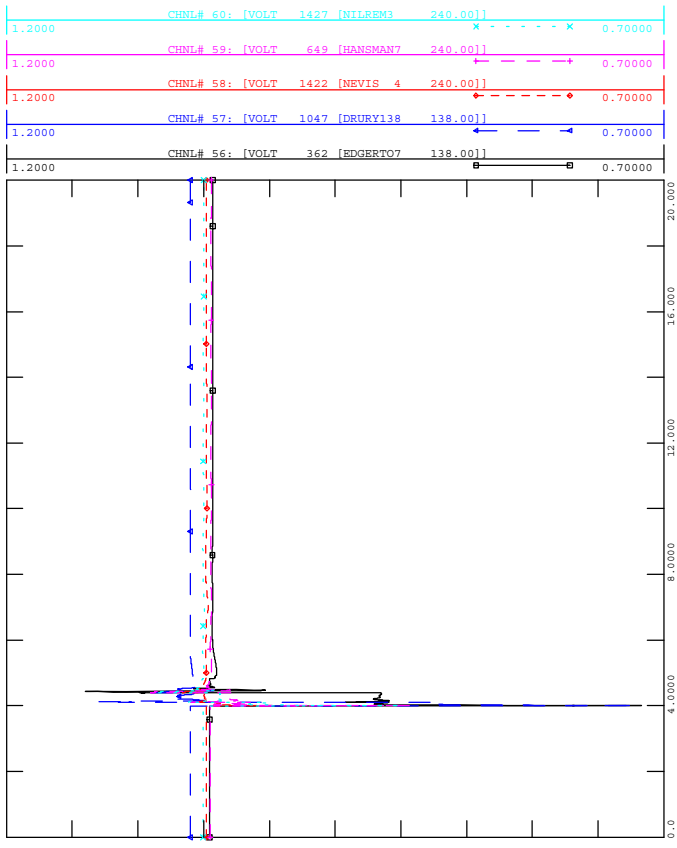

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster

TUE, DEC 06 2016 21:05

BUS VOLTAGE

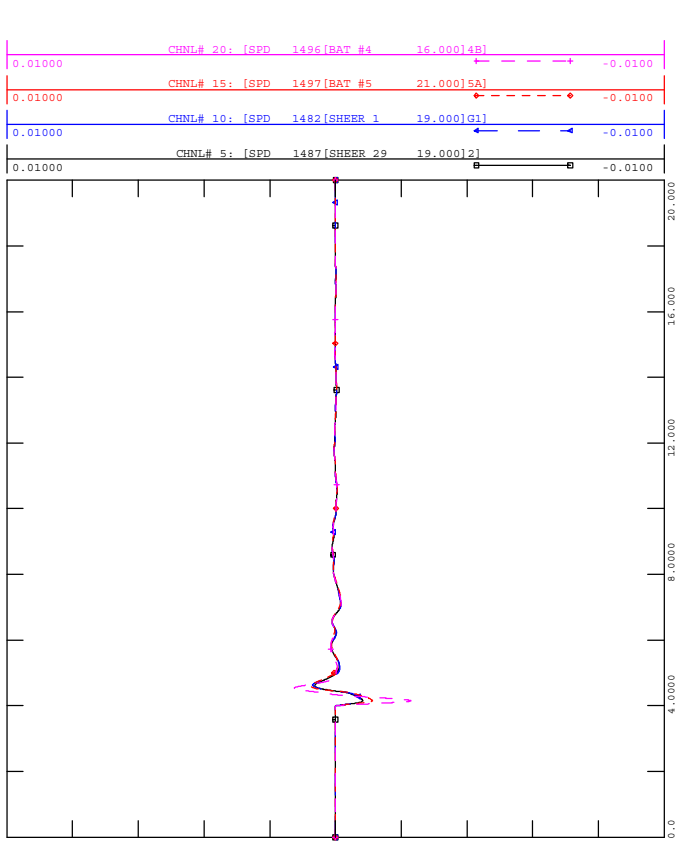


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster

TUE, DEC 06 2016 21:05

MACHINE SPEED

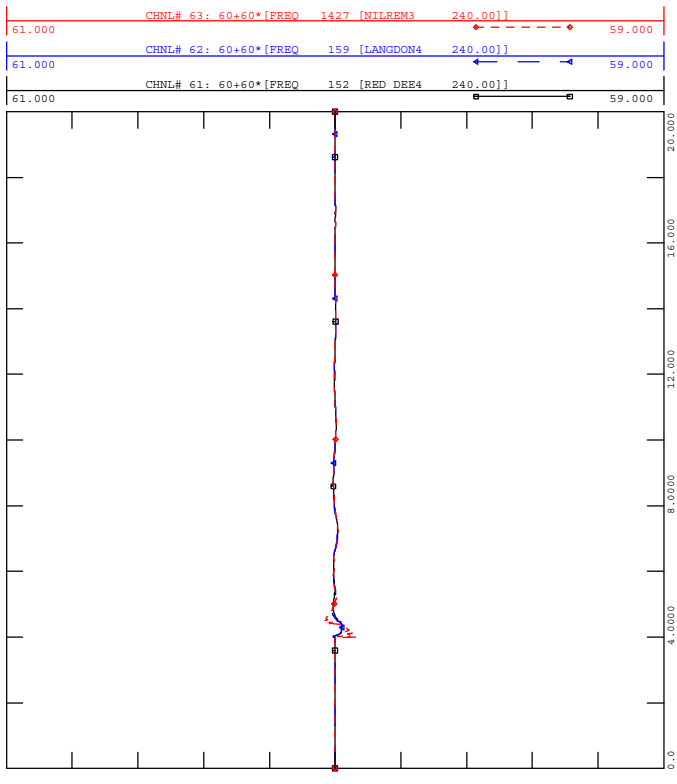


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster

TUE, DEC 06 2016 21:05

FREQUENCY

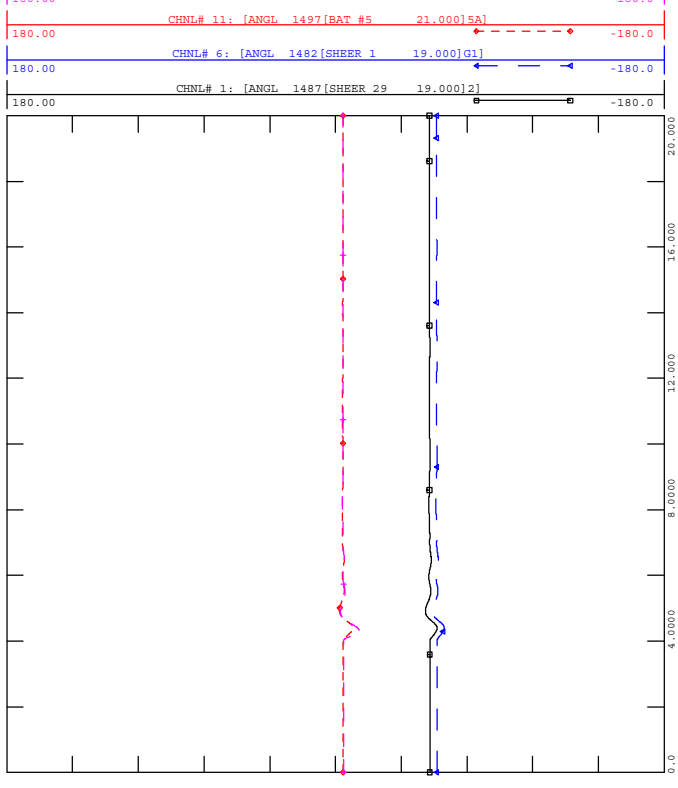


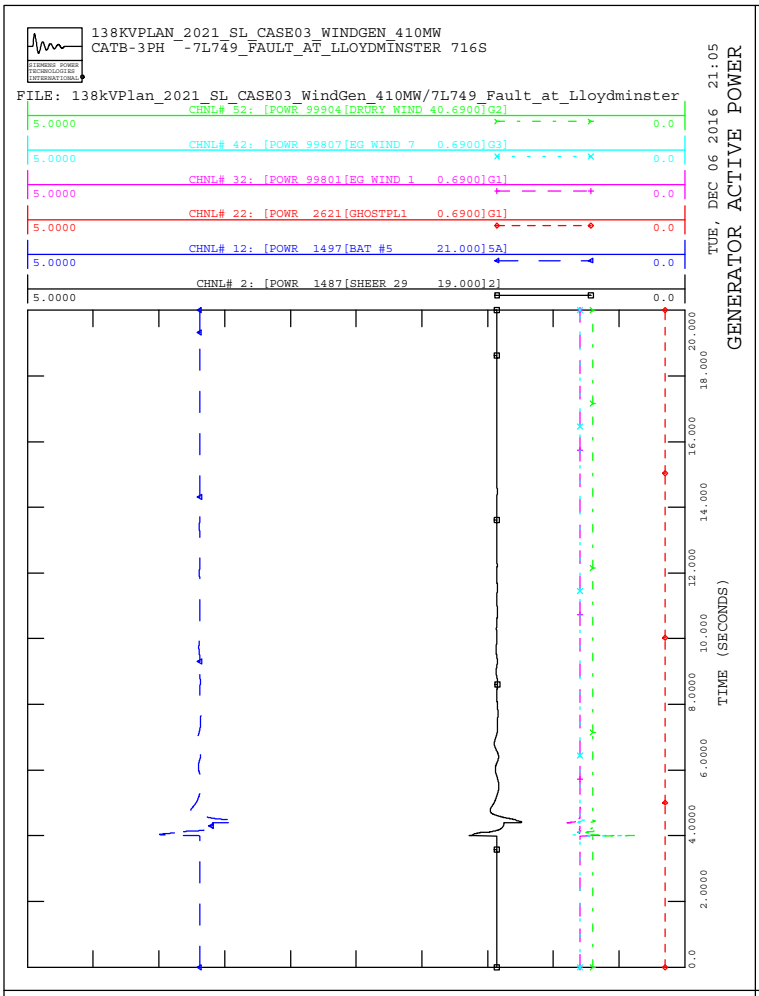
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

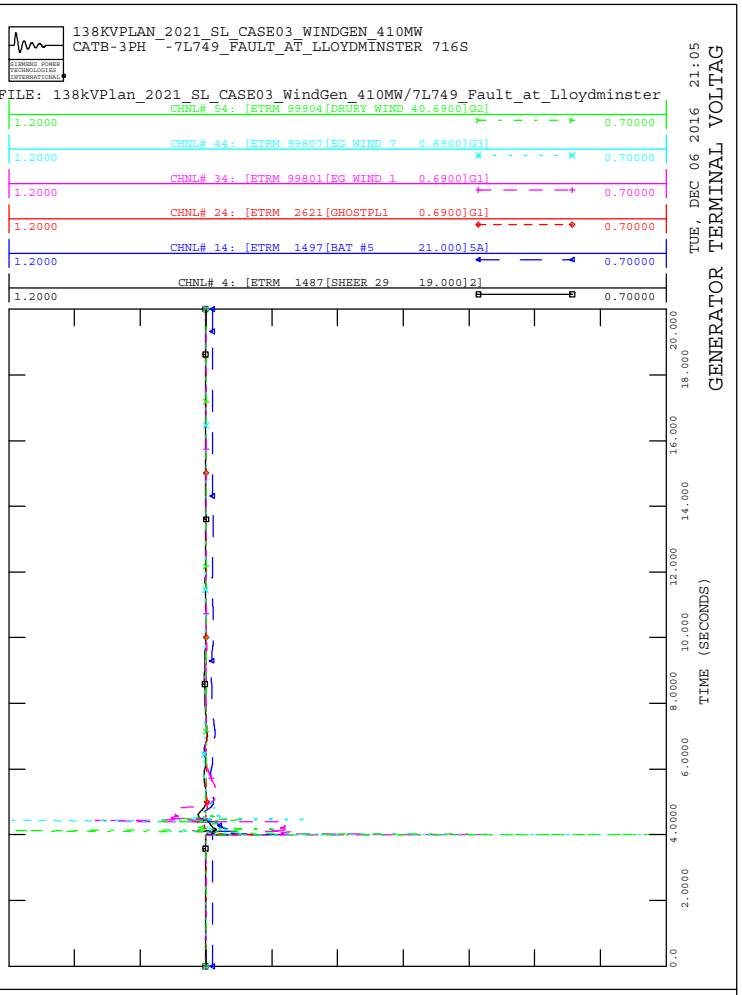
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster

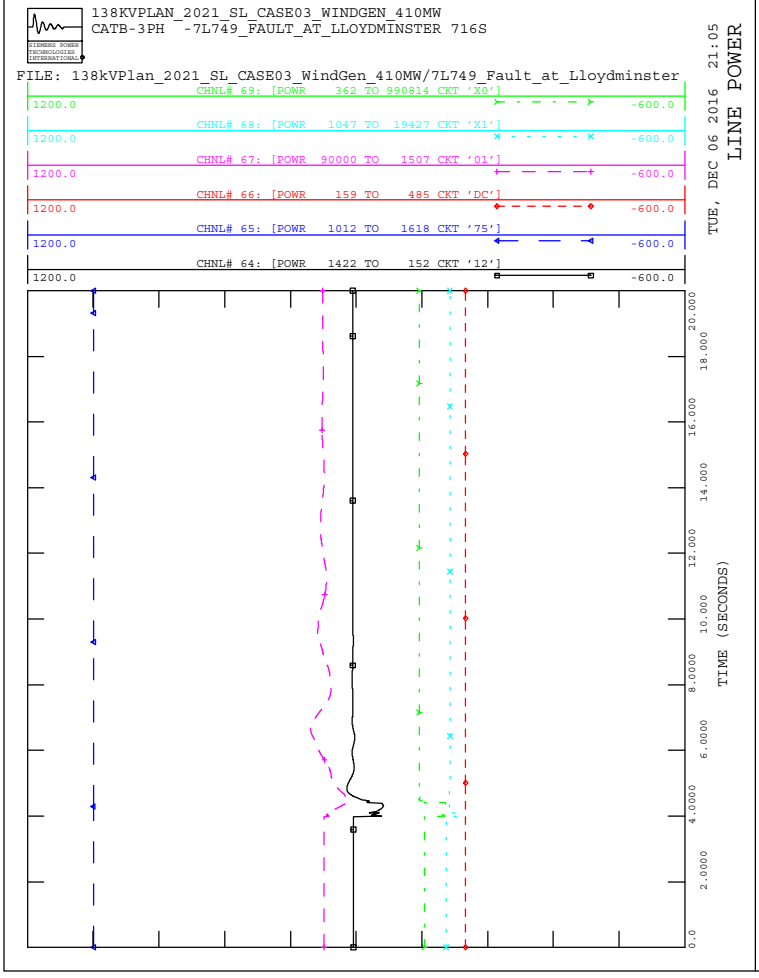
TUE, DEC 06 2016 21:05

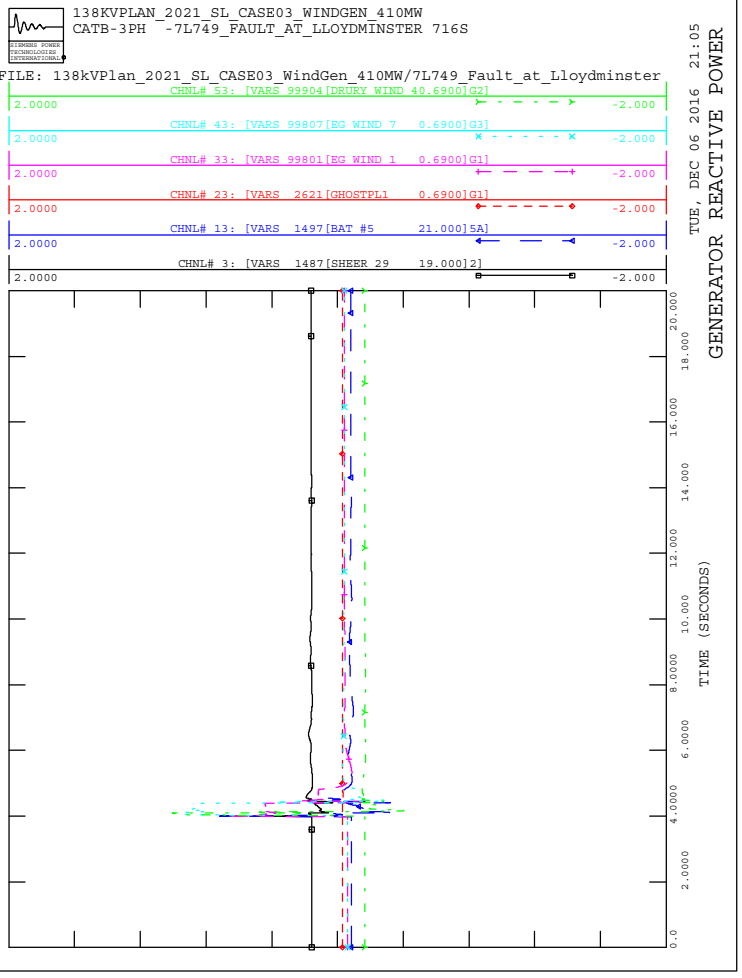
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

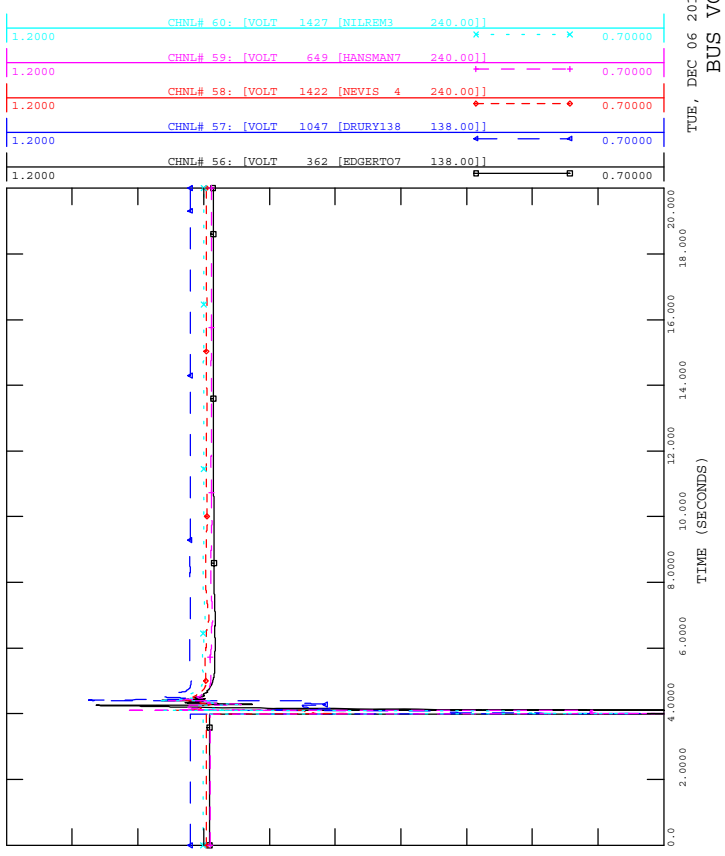

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:05

BUS VOLTAGE

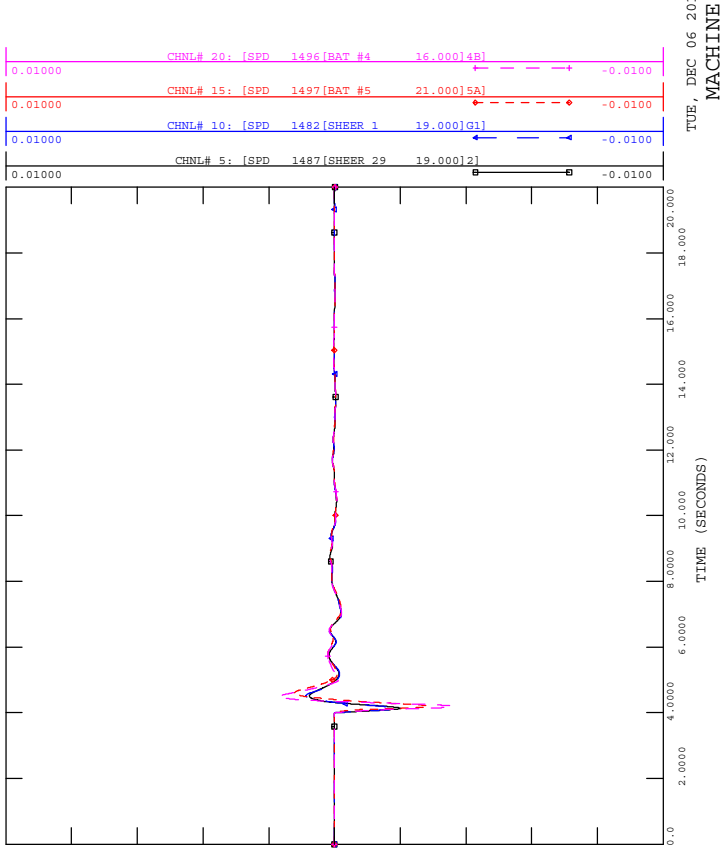


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:05

MACHINE SPEED

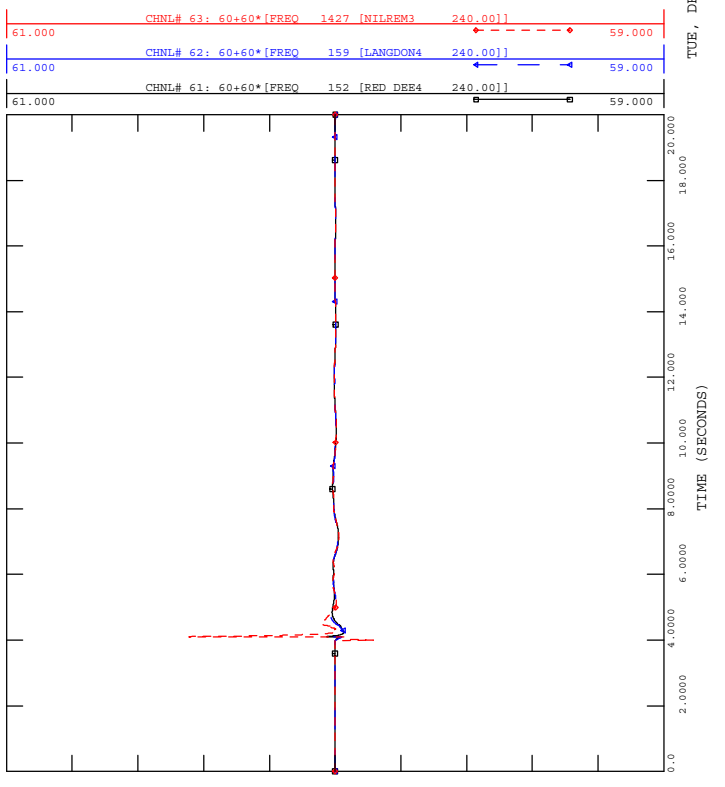


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:05

FREQUENCY

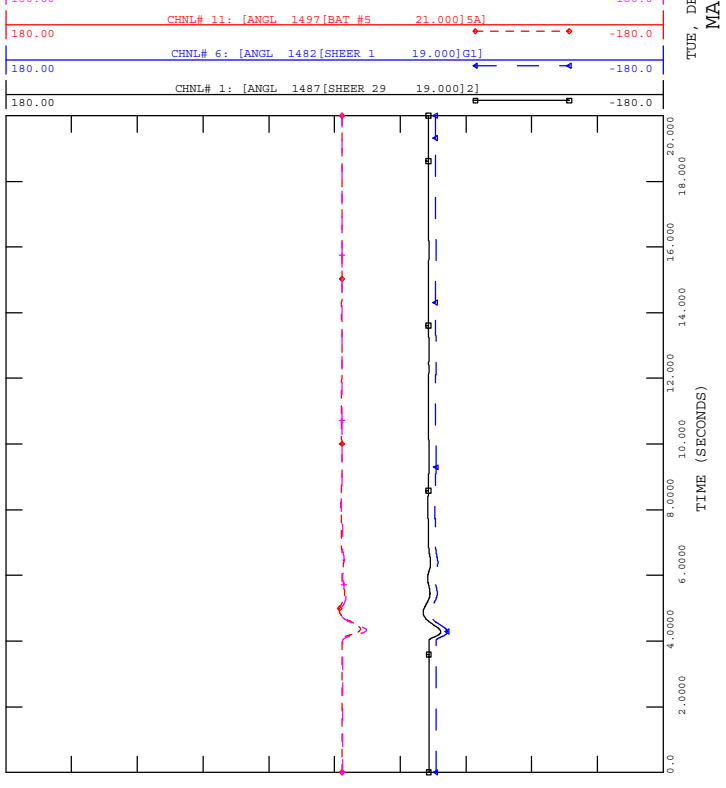


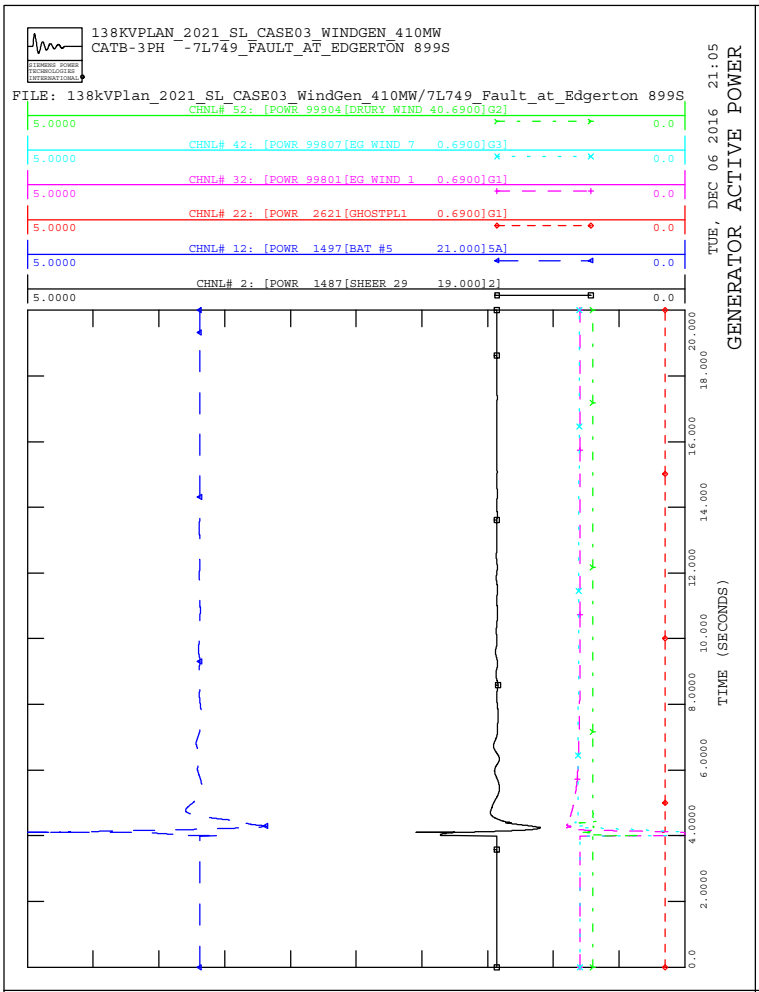
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

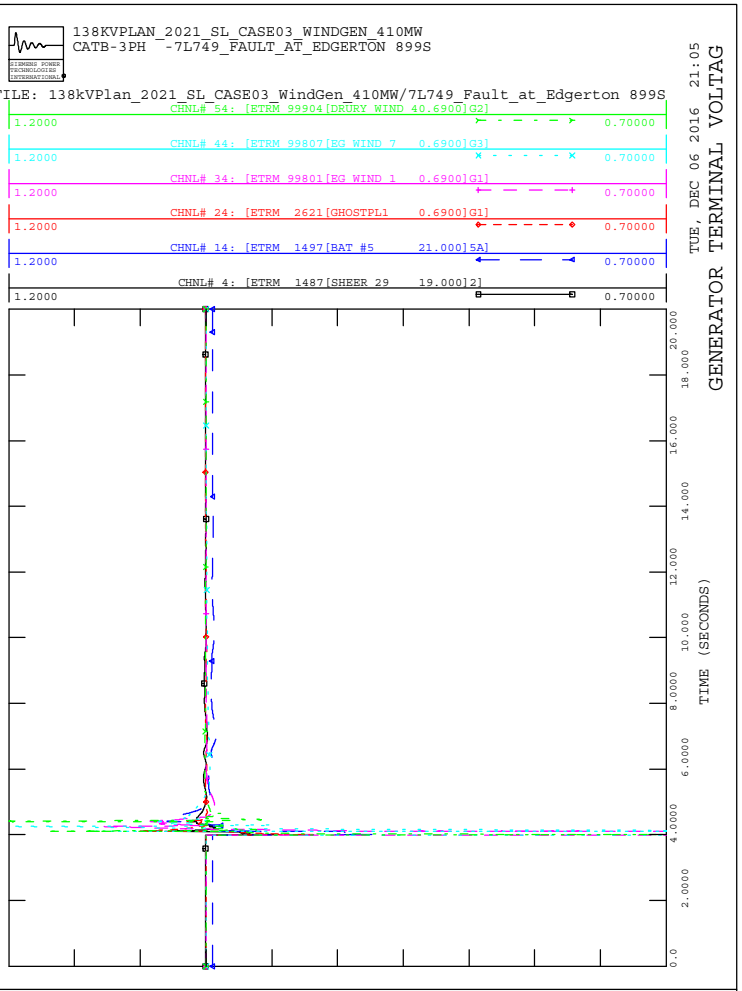
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S

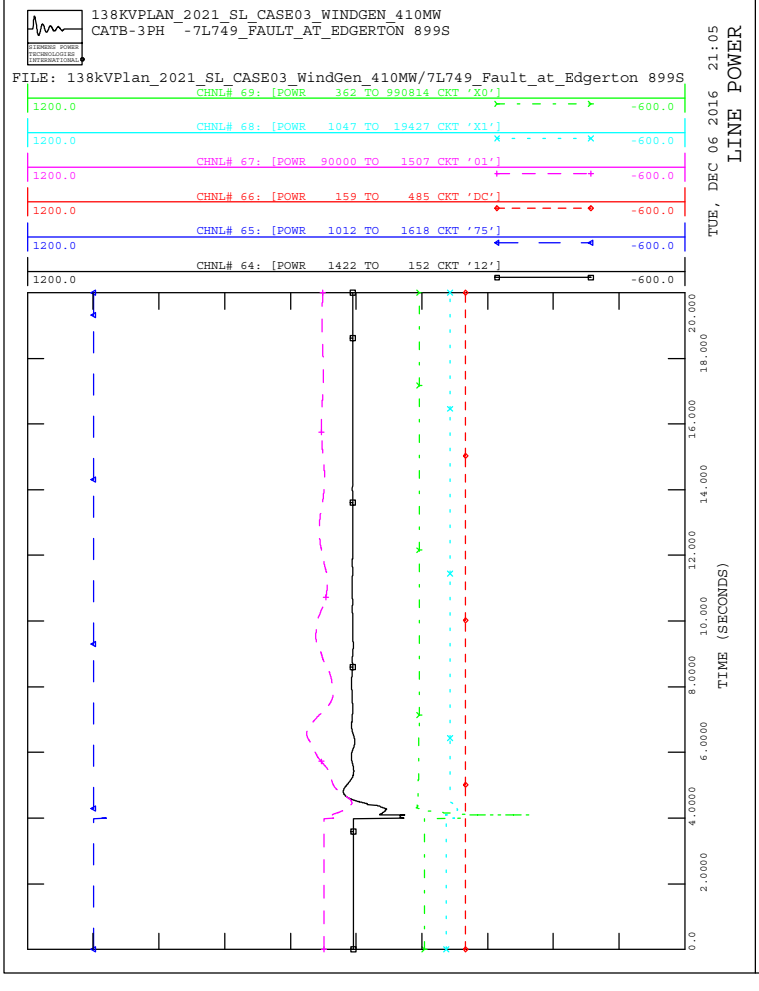
TUE, DEC 06 2016 21:05

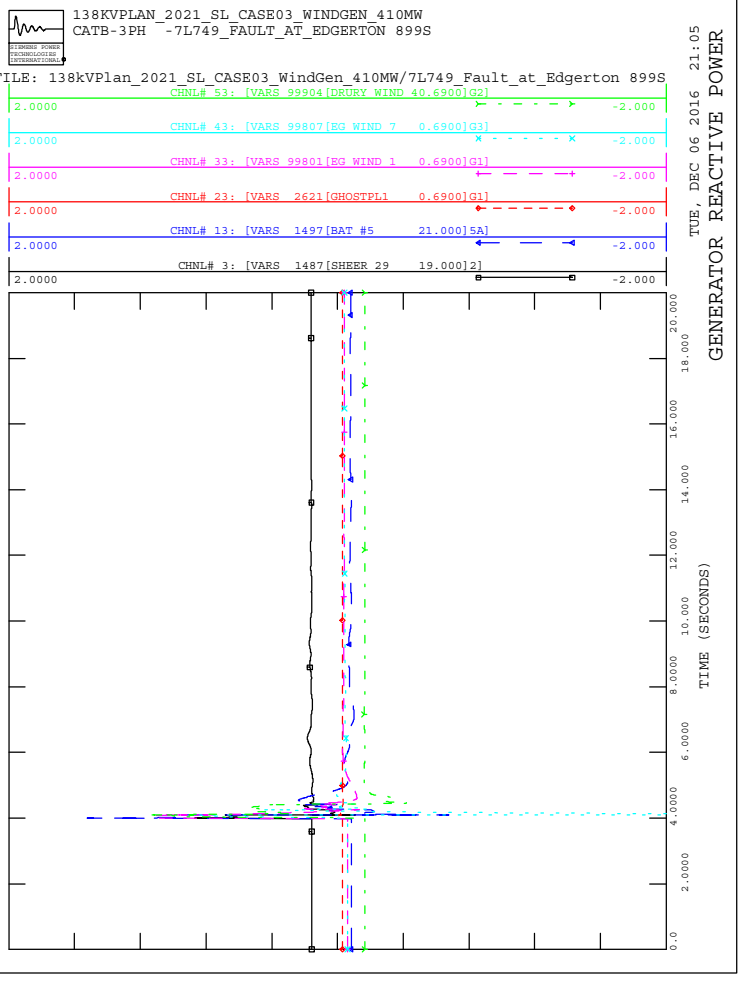
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

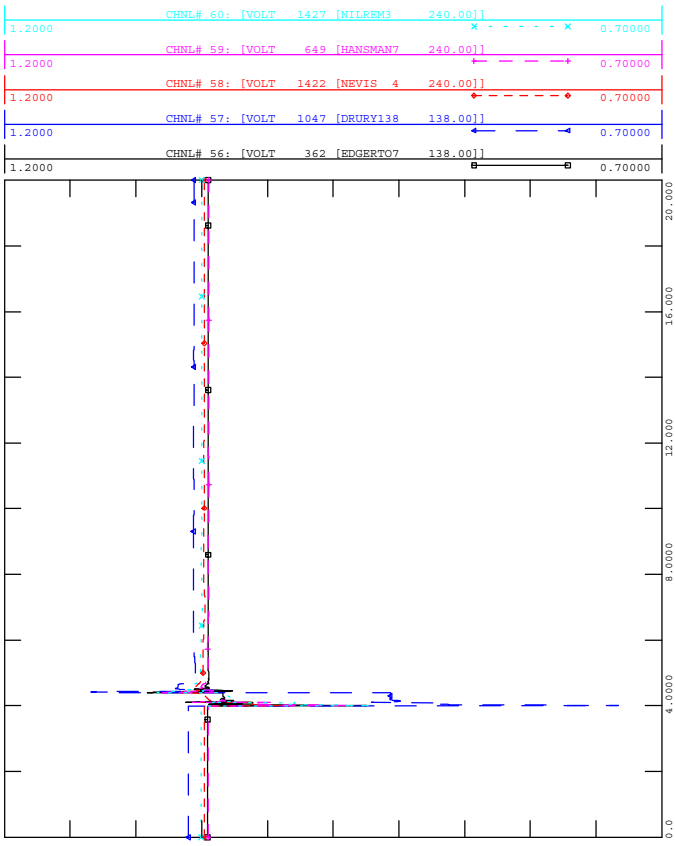

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3

TUE, DEC 06 2016 21:05

BUS VOLTAGE

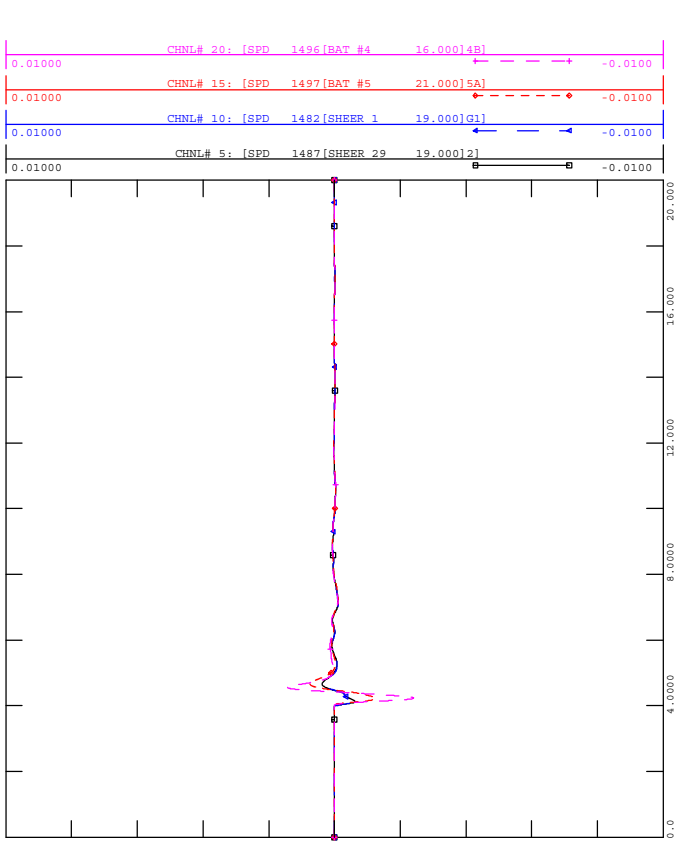


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3

TUE, DEC 06 2016 21:05

MACHINE SPEED

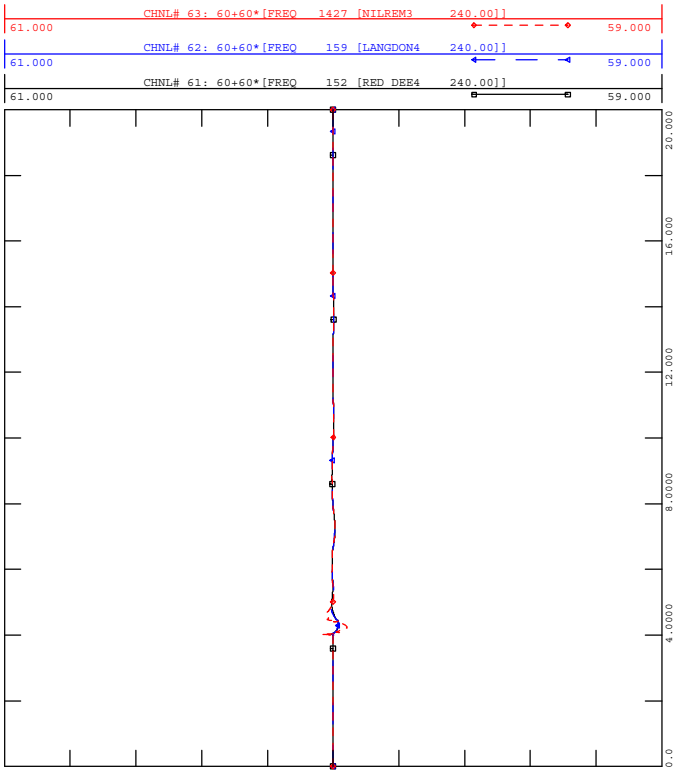


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3

TUE, DEC 06 2016 21:05

FREQUENCY

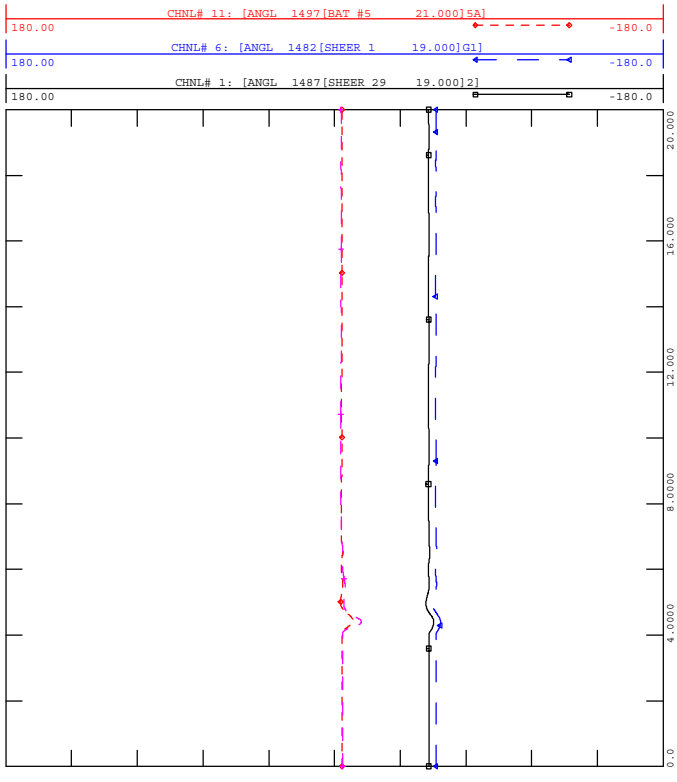


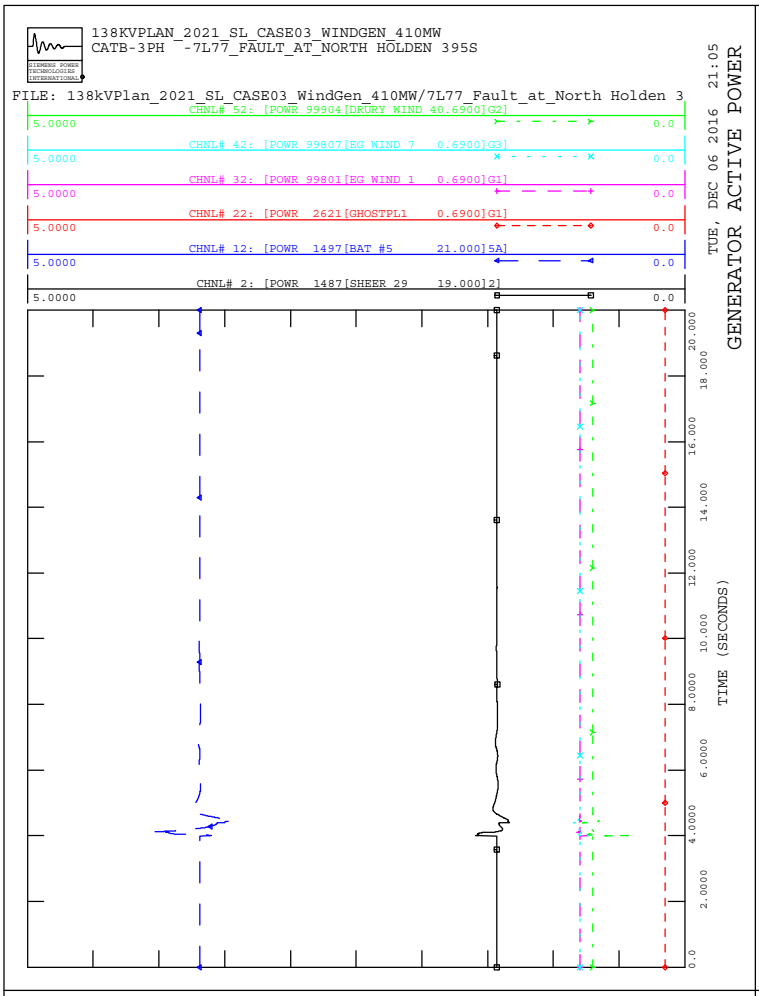
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

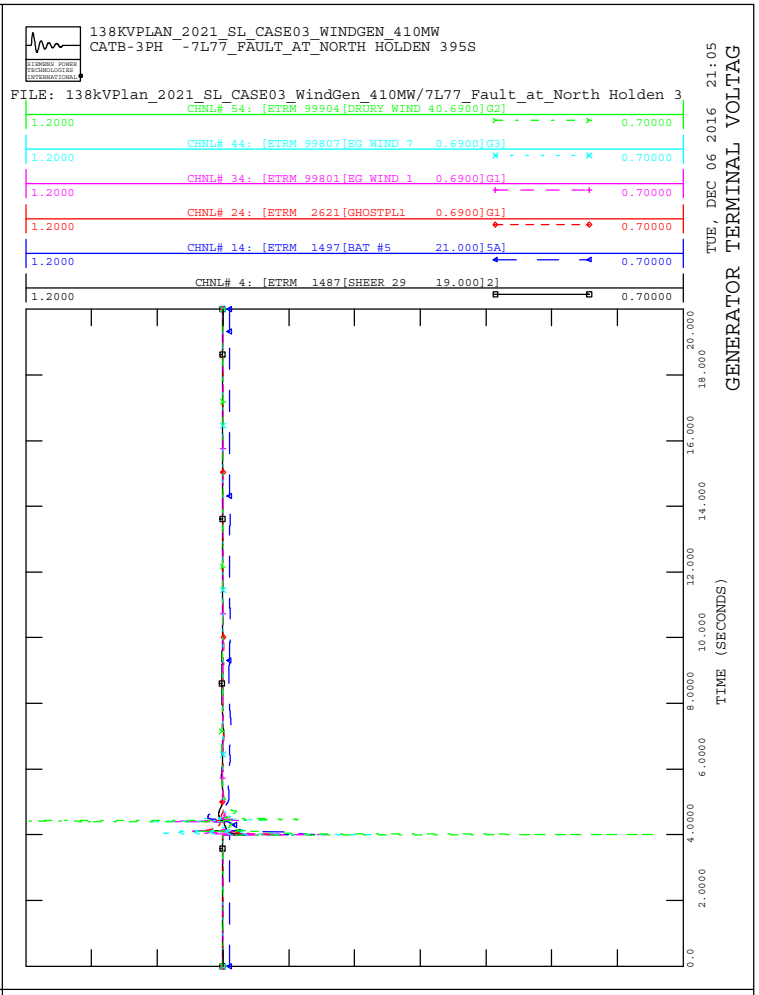
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3

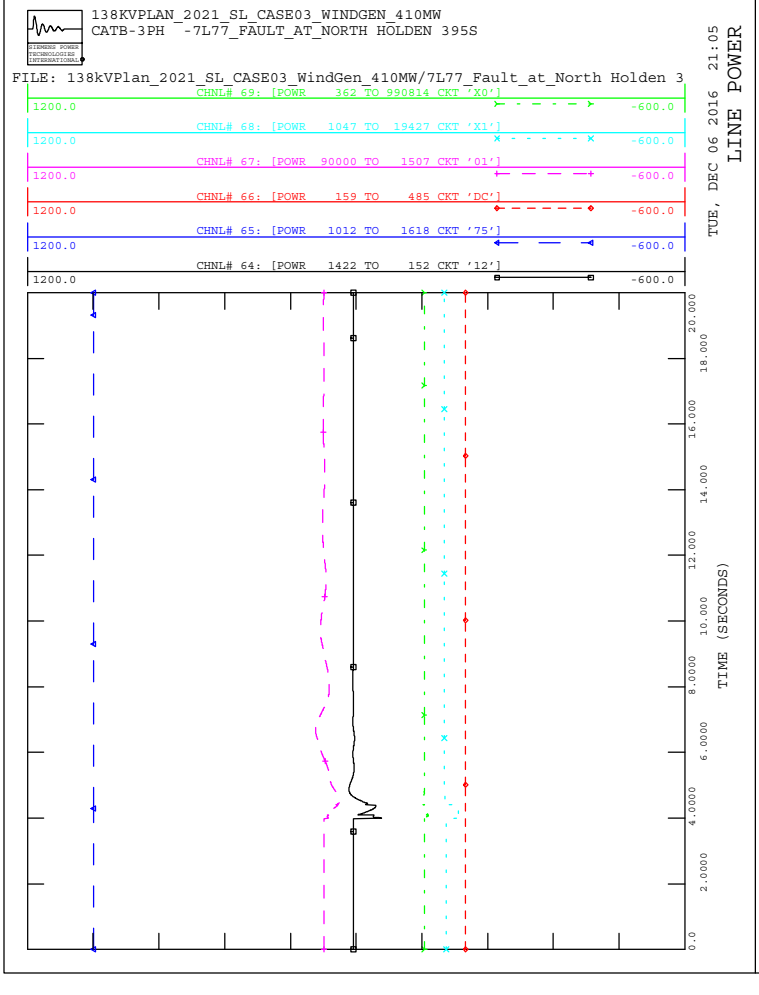
TUE, DEC 06 2016 21:05

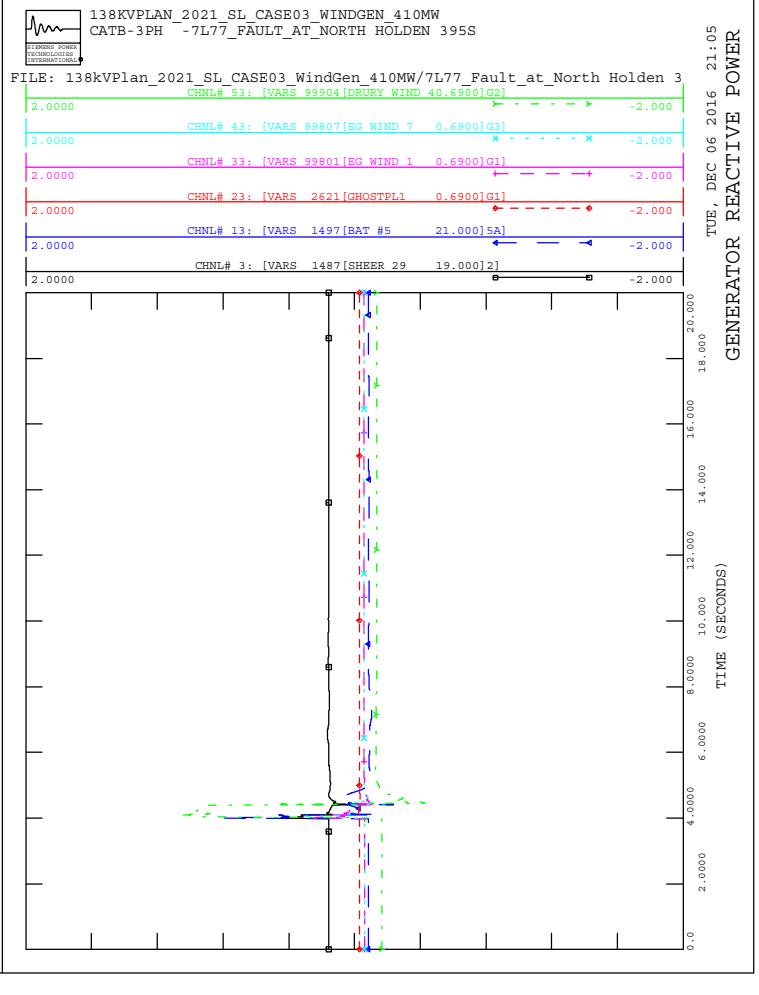
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

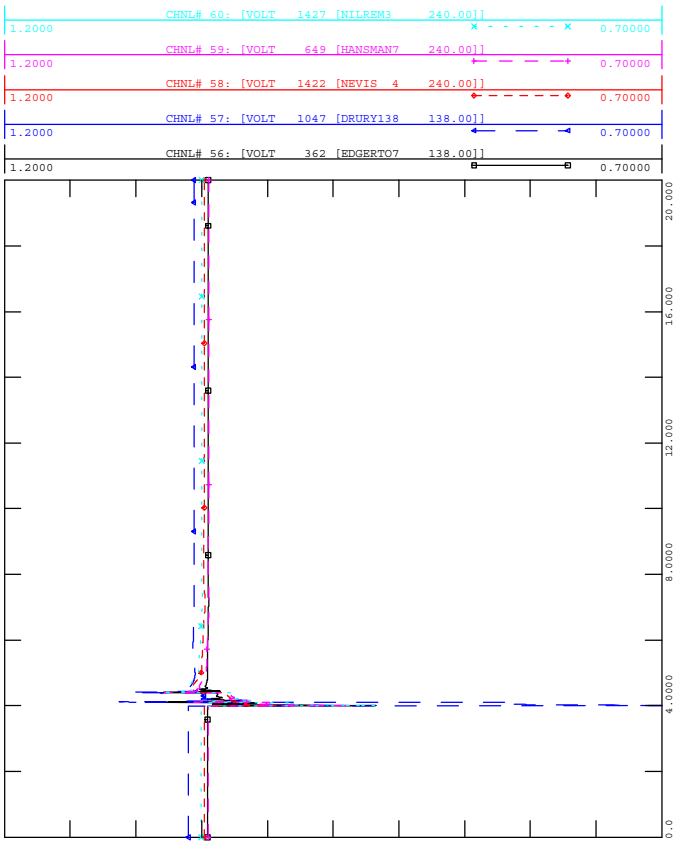

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:05

BUS VOLTAGE

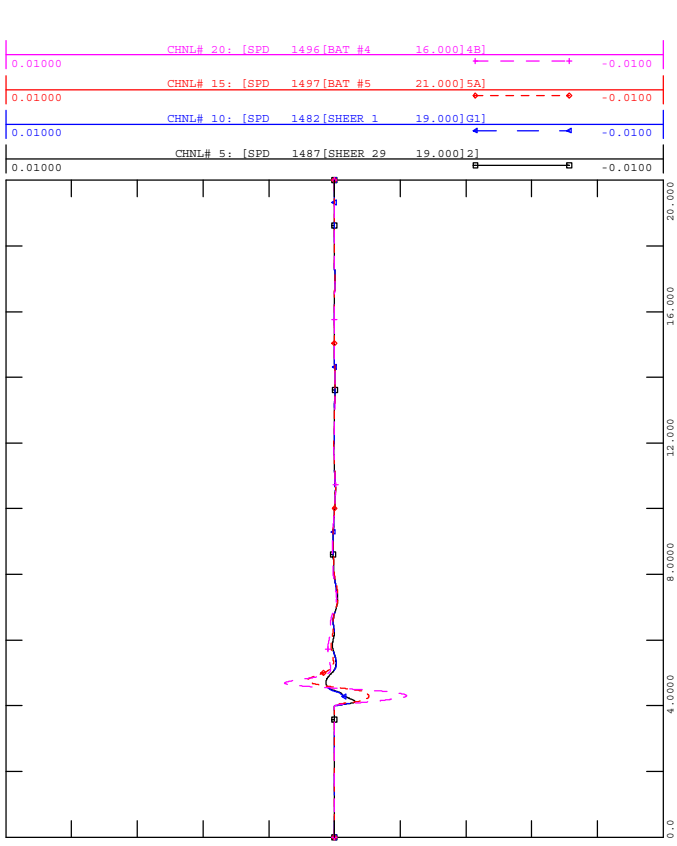


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:05

MACHINE SPEED

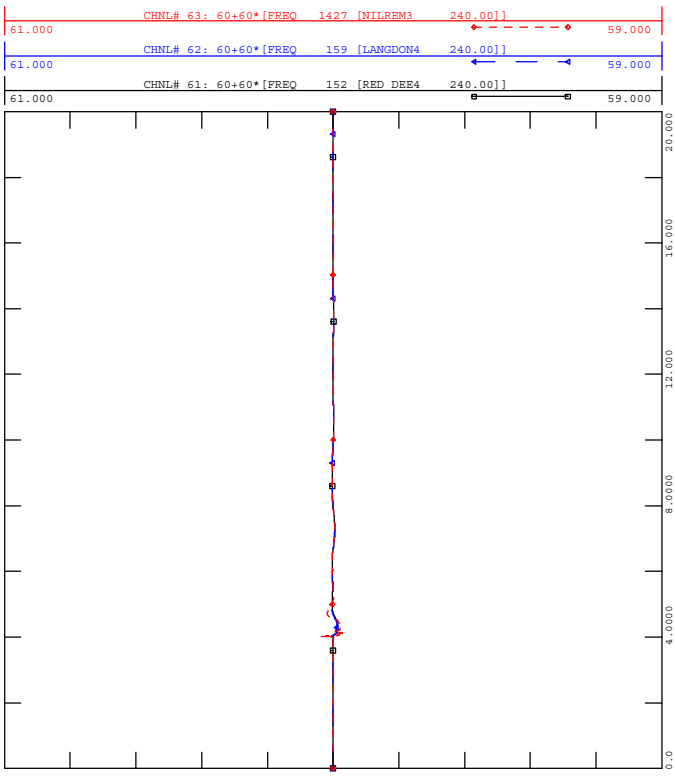


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:05

FREQUENCY



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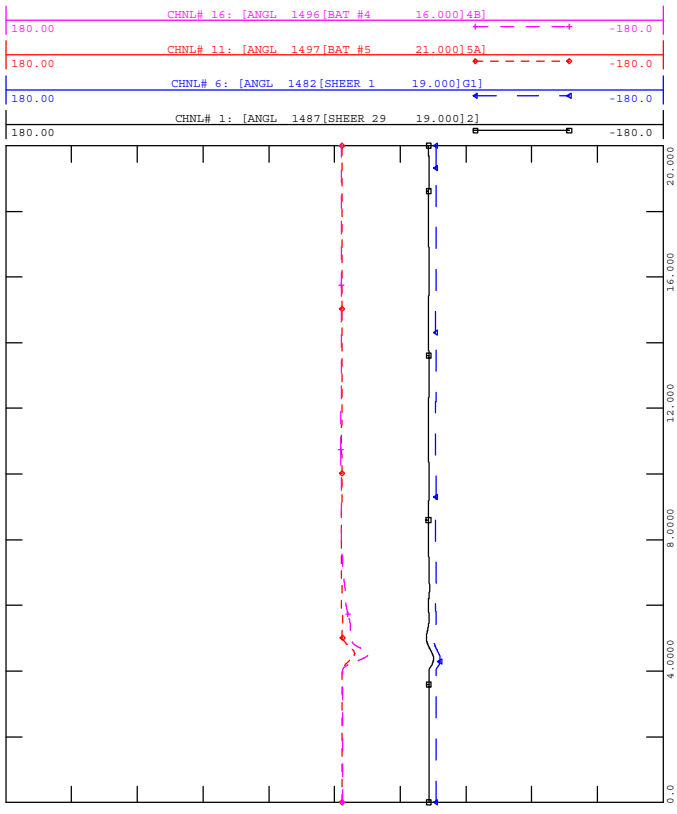
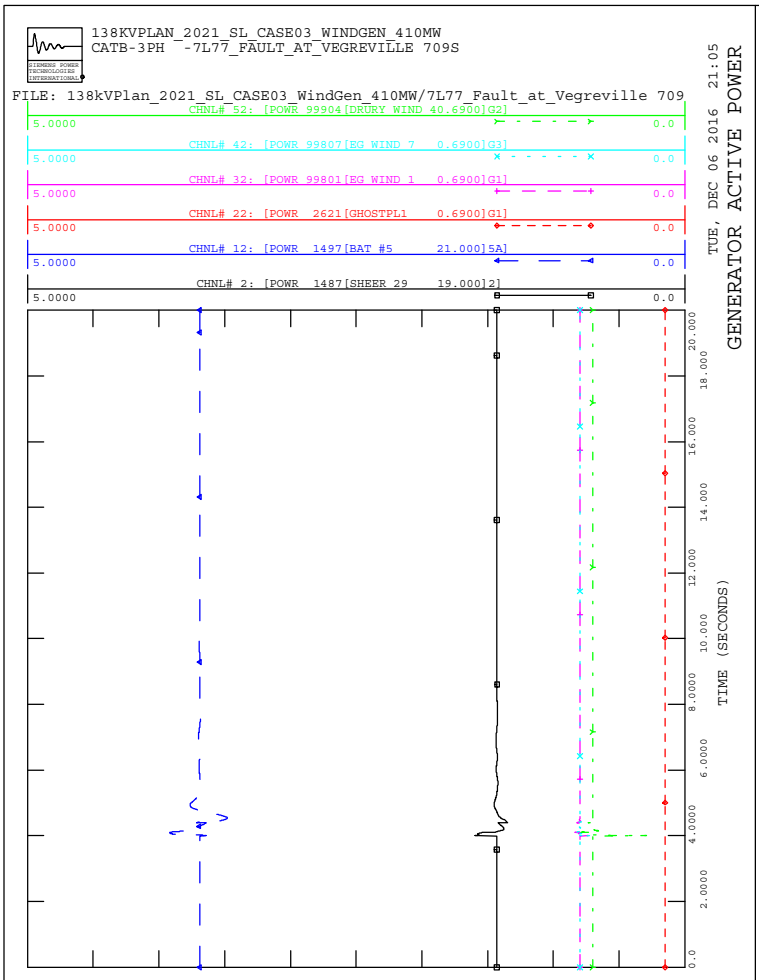
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

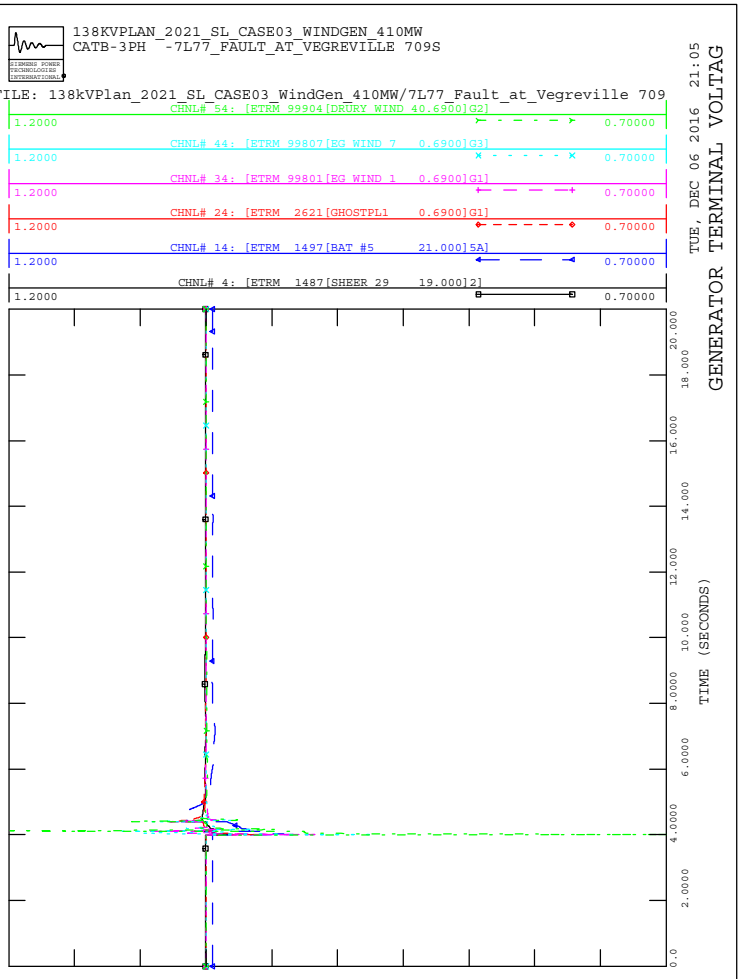
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:05

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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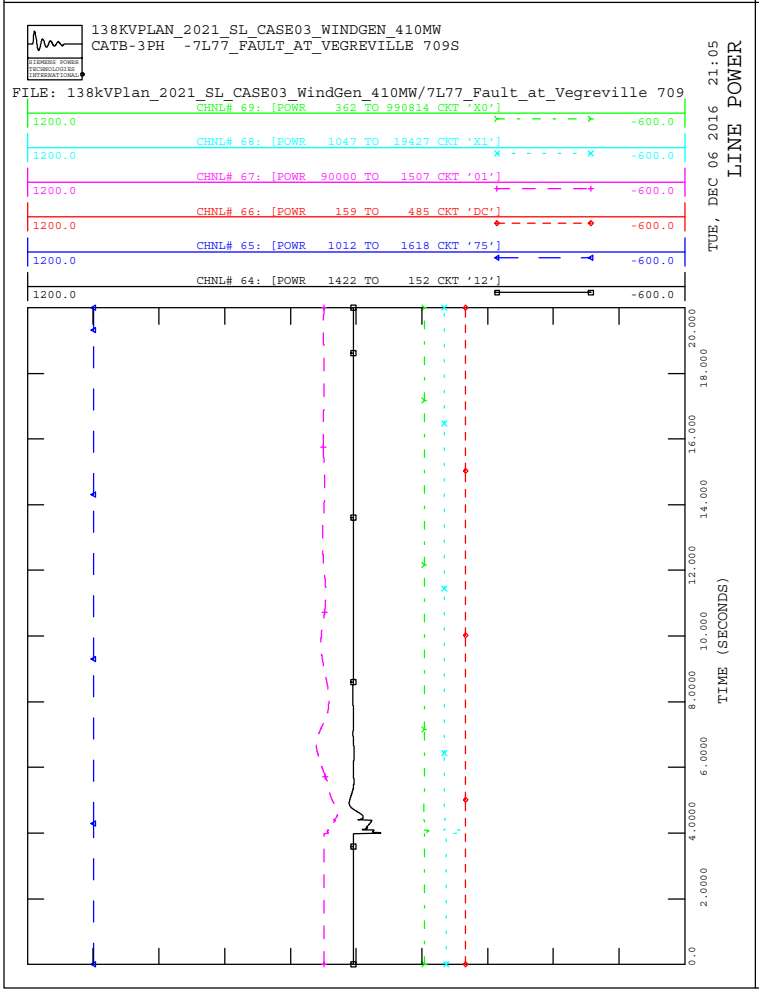
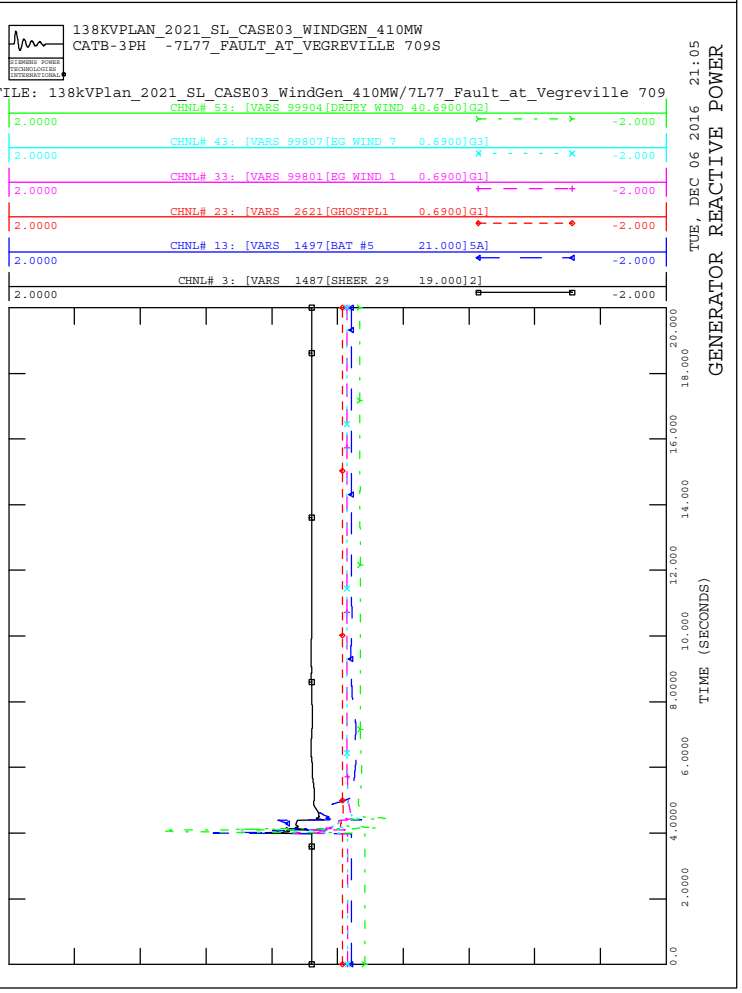
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

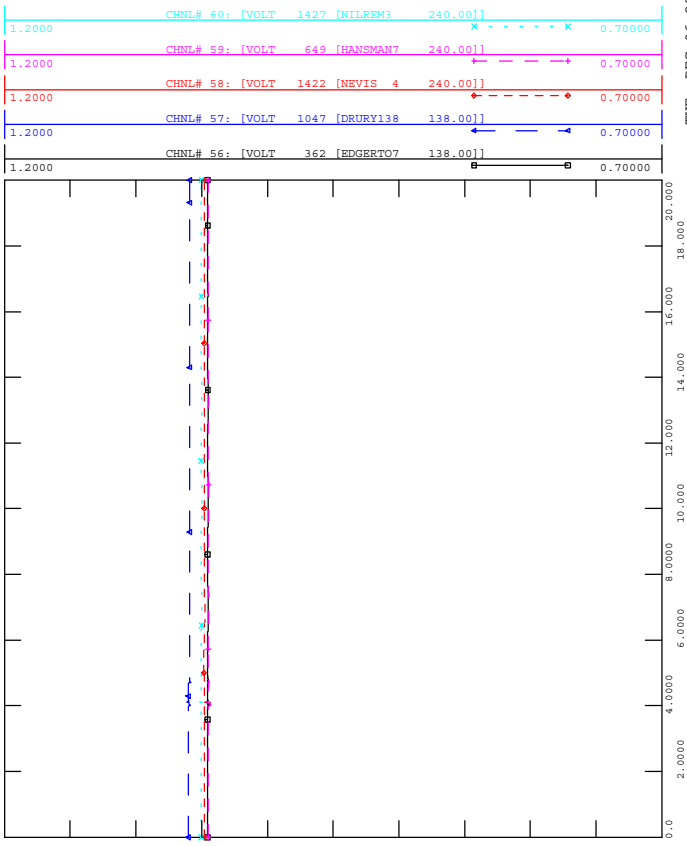

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:05

BUS VOLTAGE

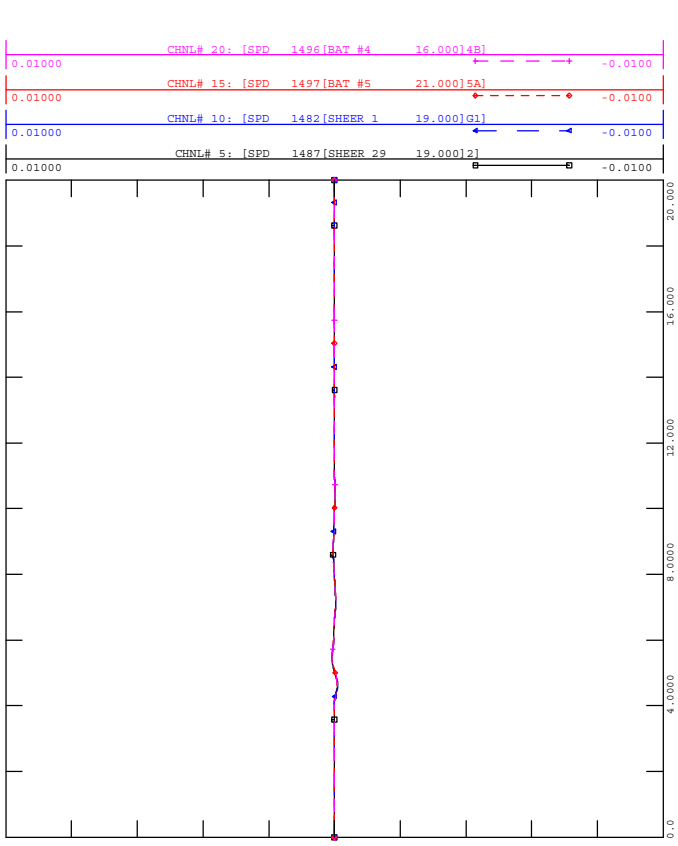


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:05

MACHINE SPEED

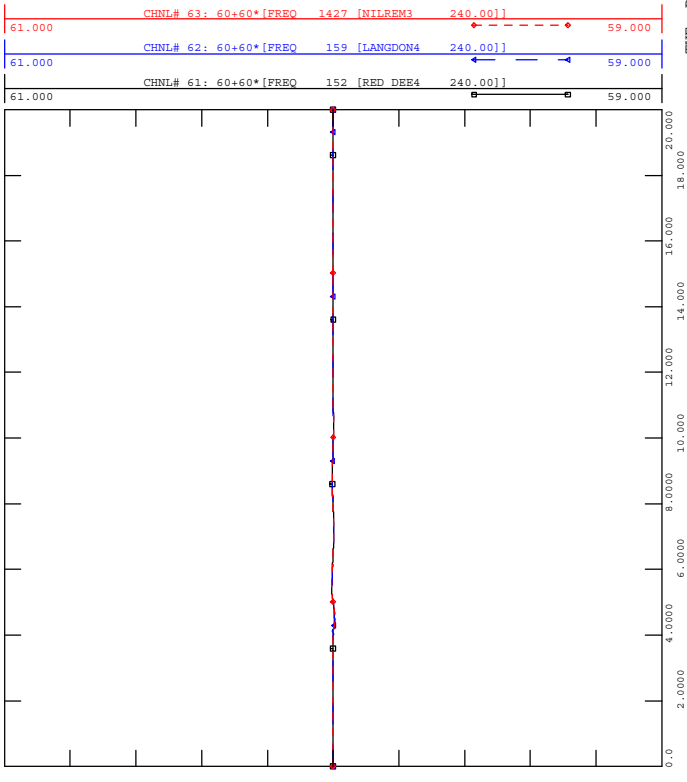


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:05

FREQUENCY



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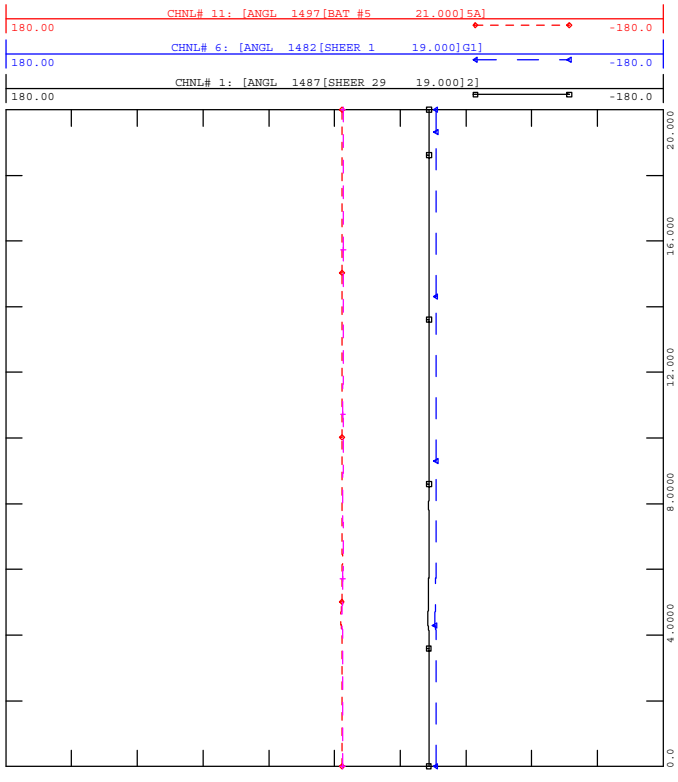
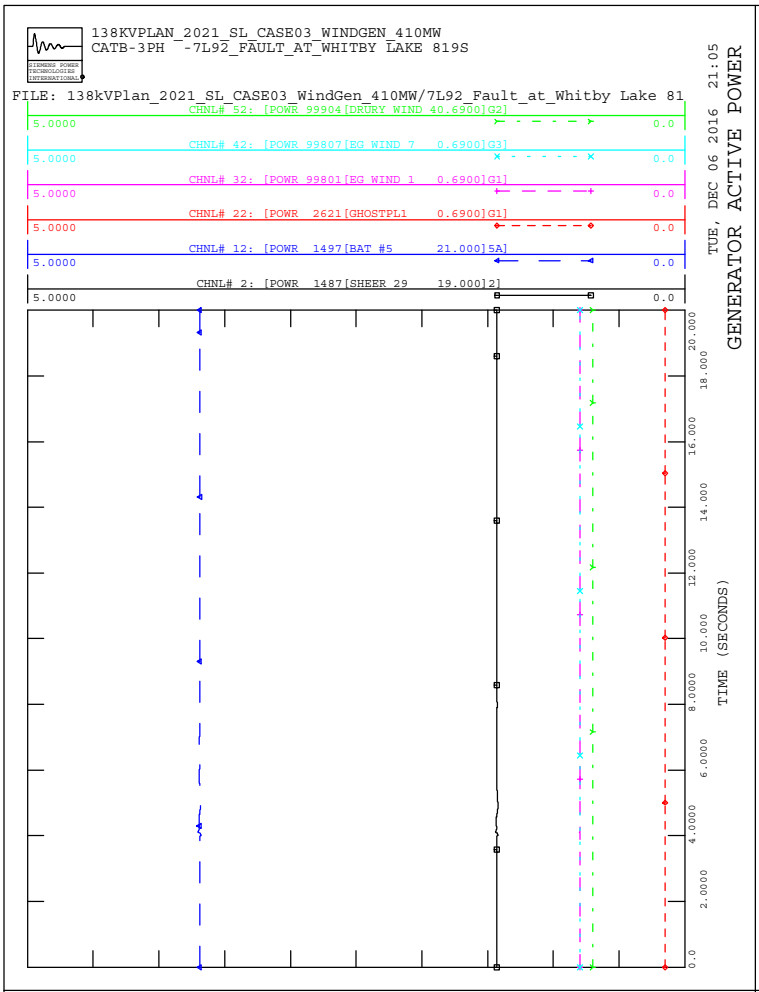
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

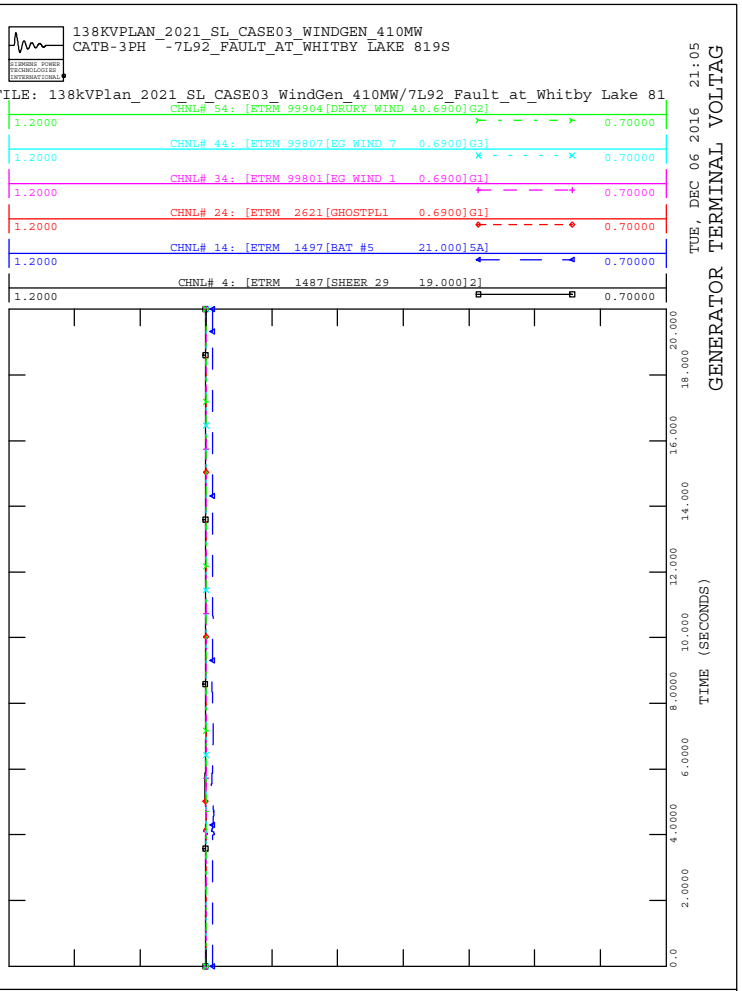
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

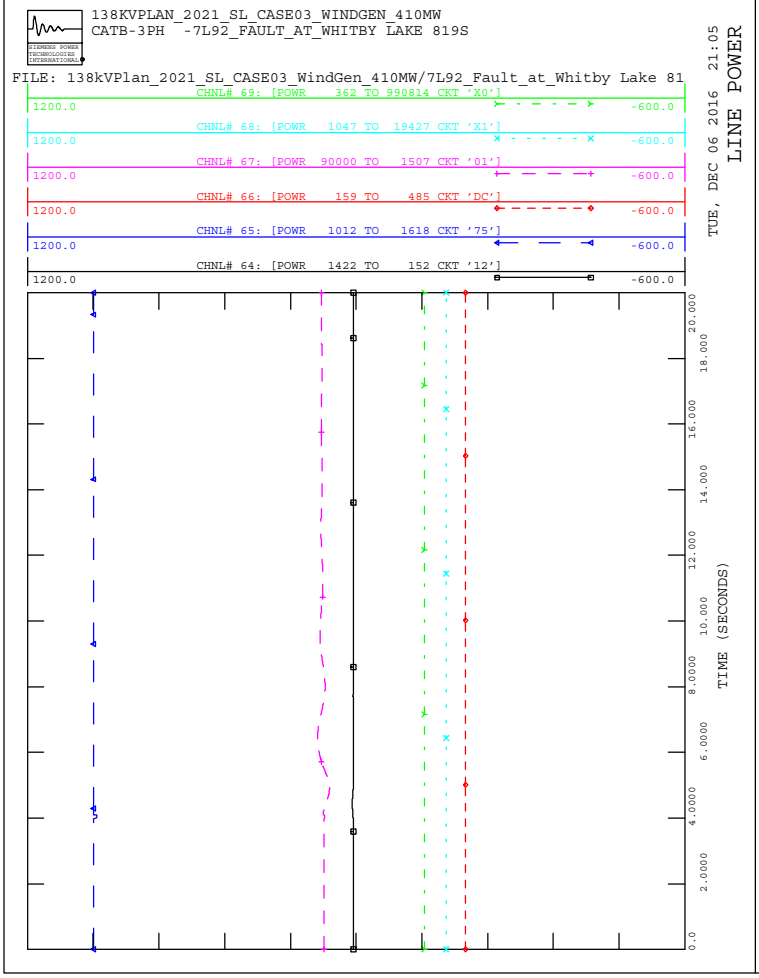
TUE, DEC 06 2016 21:05

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
2.0000
4.0000
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12.000
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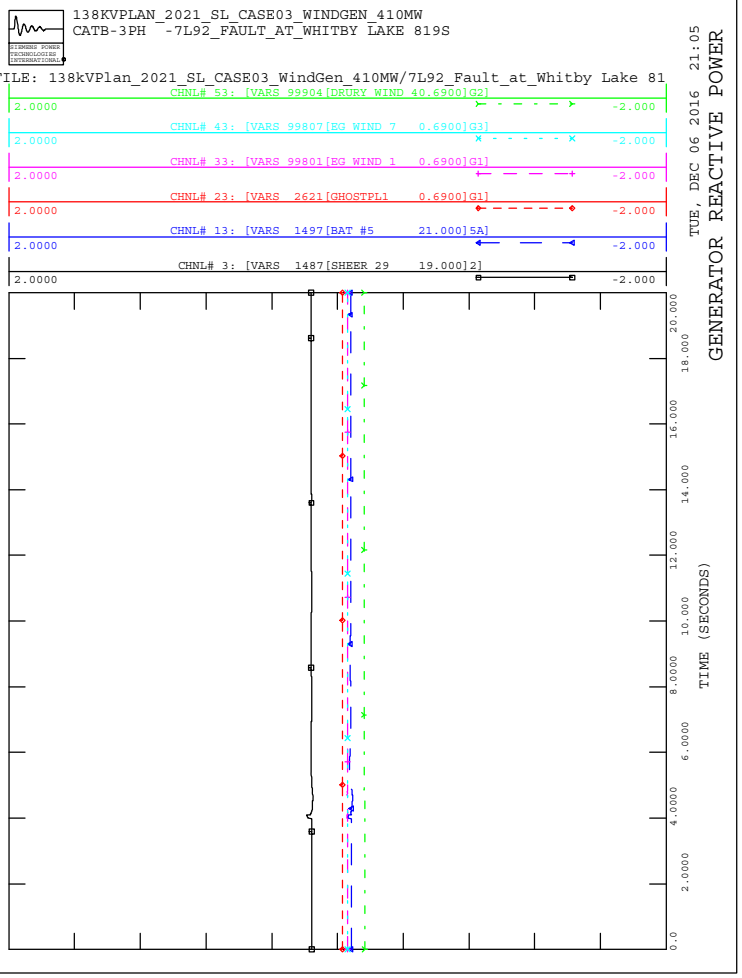
18.000
20.000
TIME (SECONDS)
TUE, DEC 06 2016 21:05
LINE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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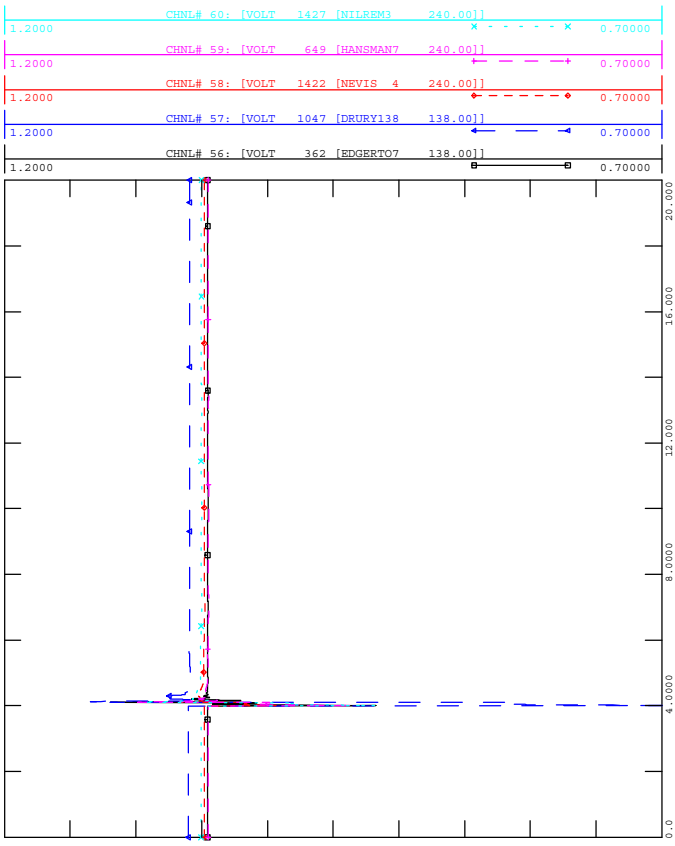
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:05

BUS VOLTAGE



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709

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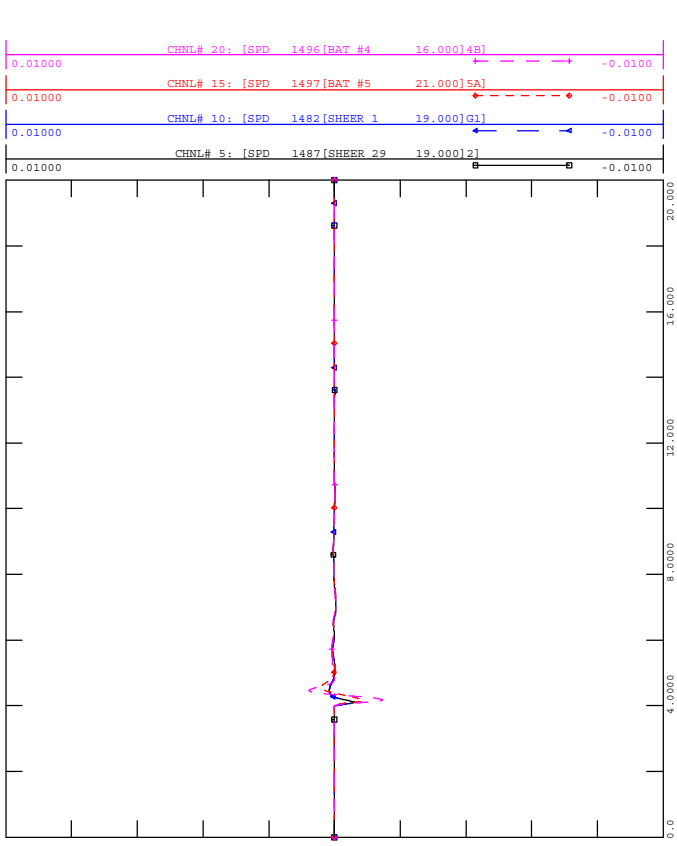
MACHINE SPEED

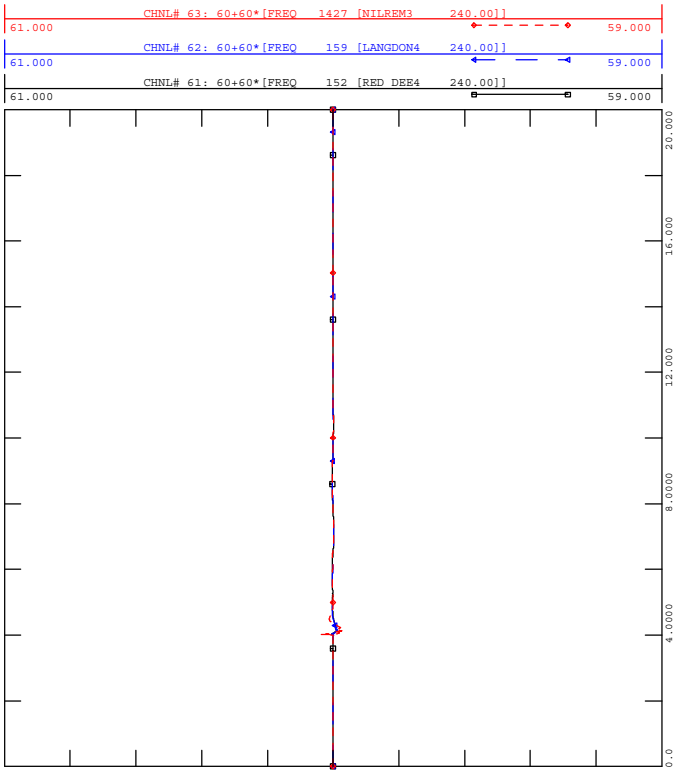


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:05

FREQUENCY

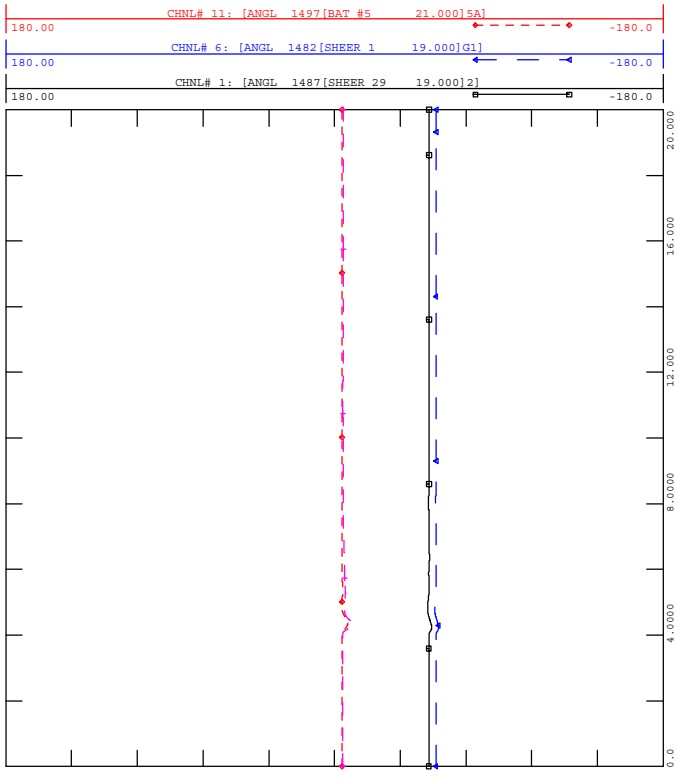


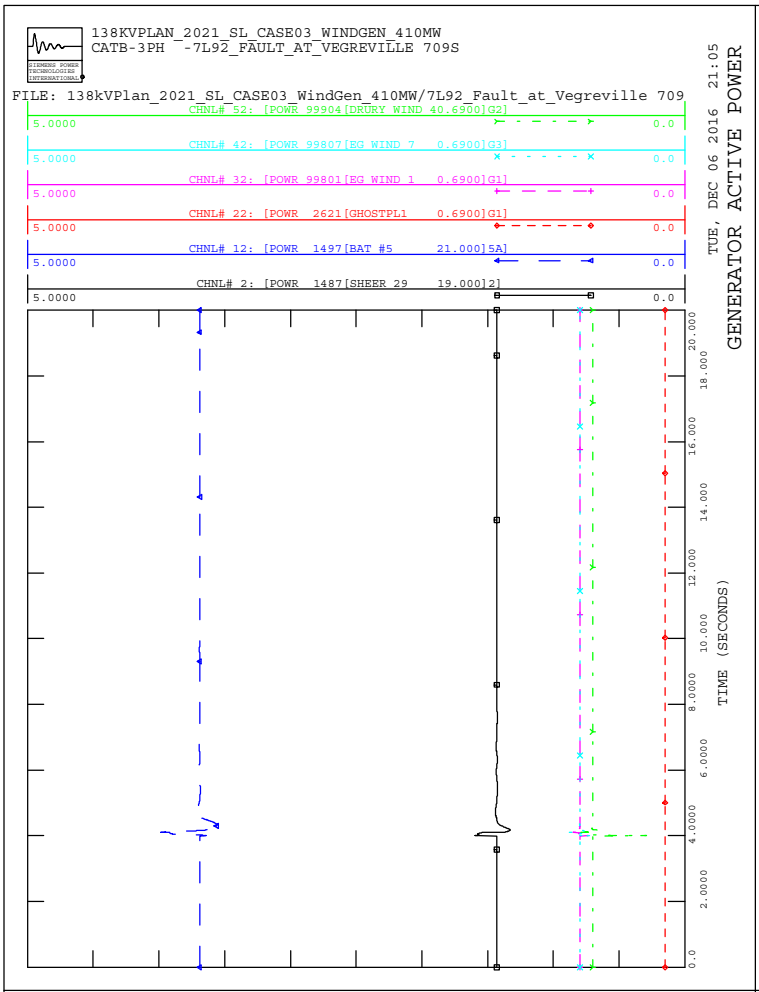
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:05

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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10.000
12.000
14.000
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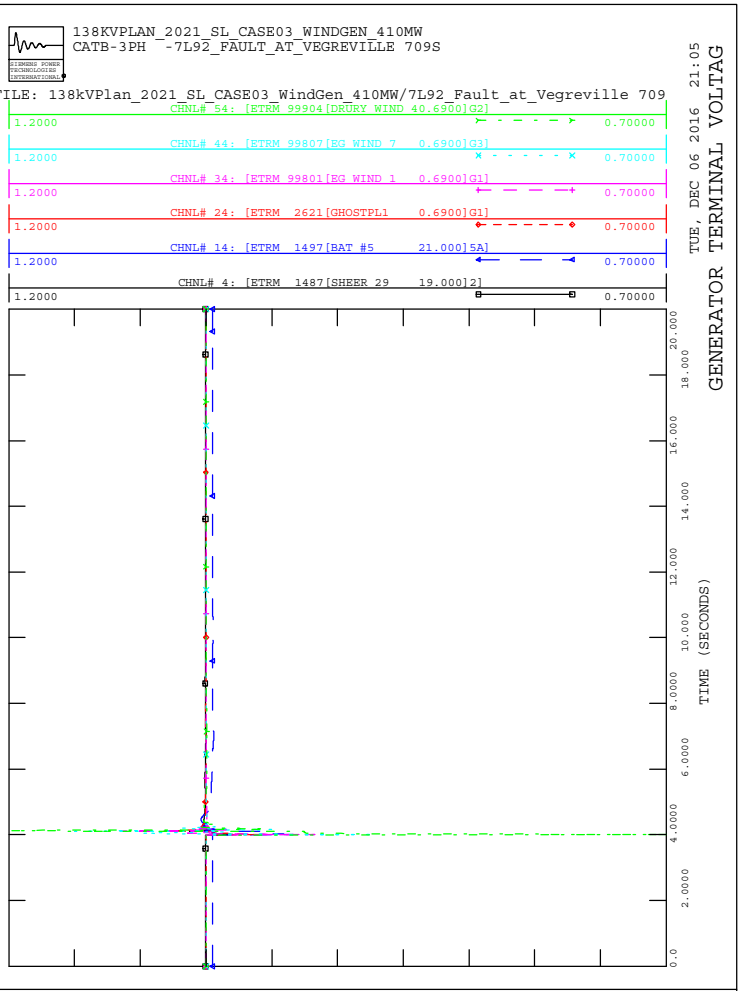
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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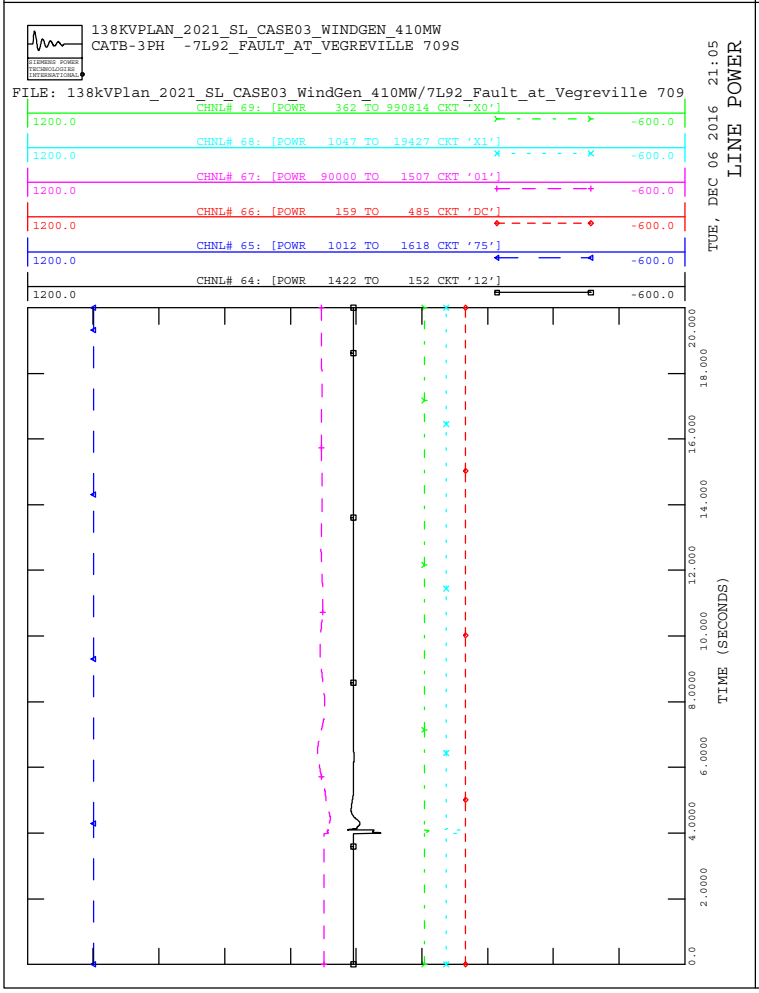
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CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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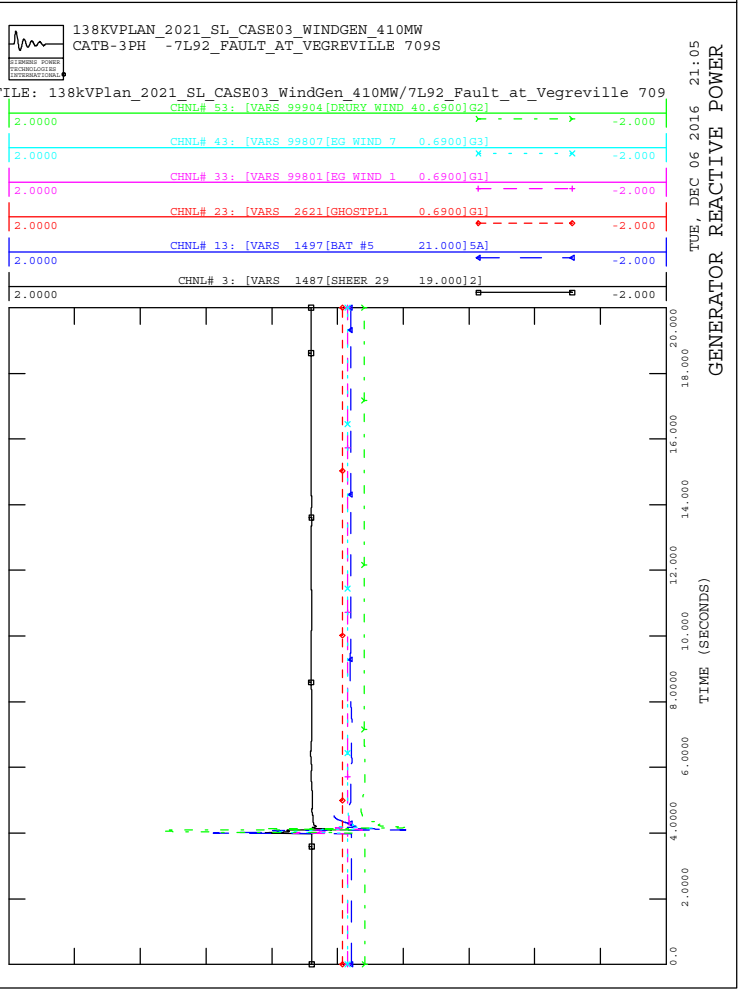
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CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709
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CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:05

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:05

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:05

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

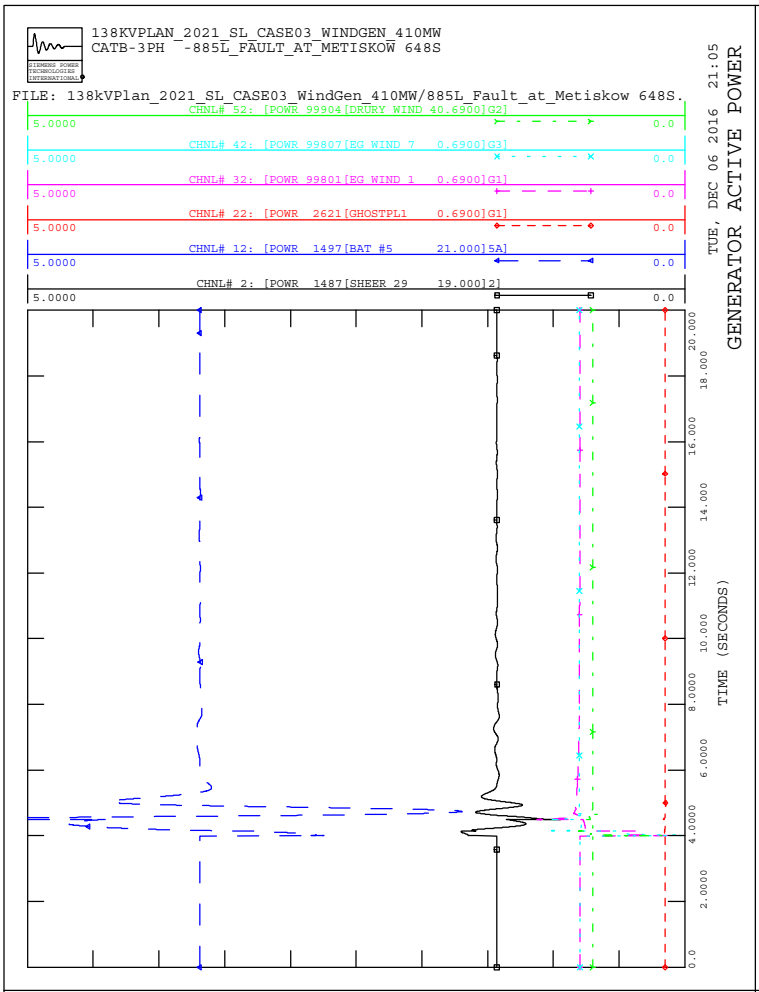
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.

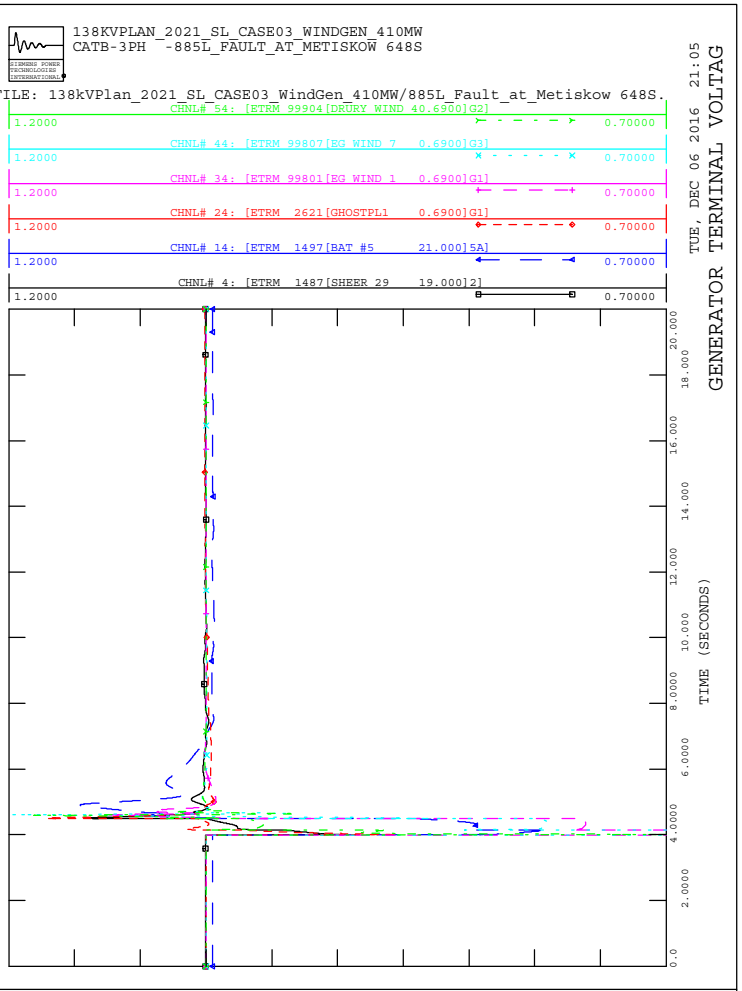
TUE, DEC 06 2016 21:05

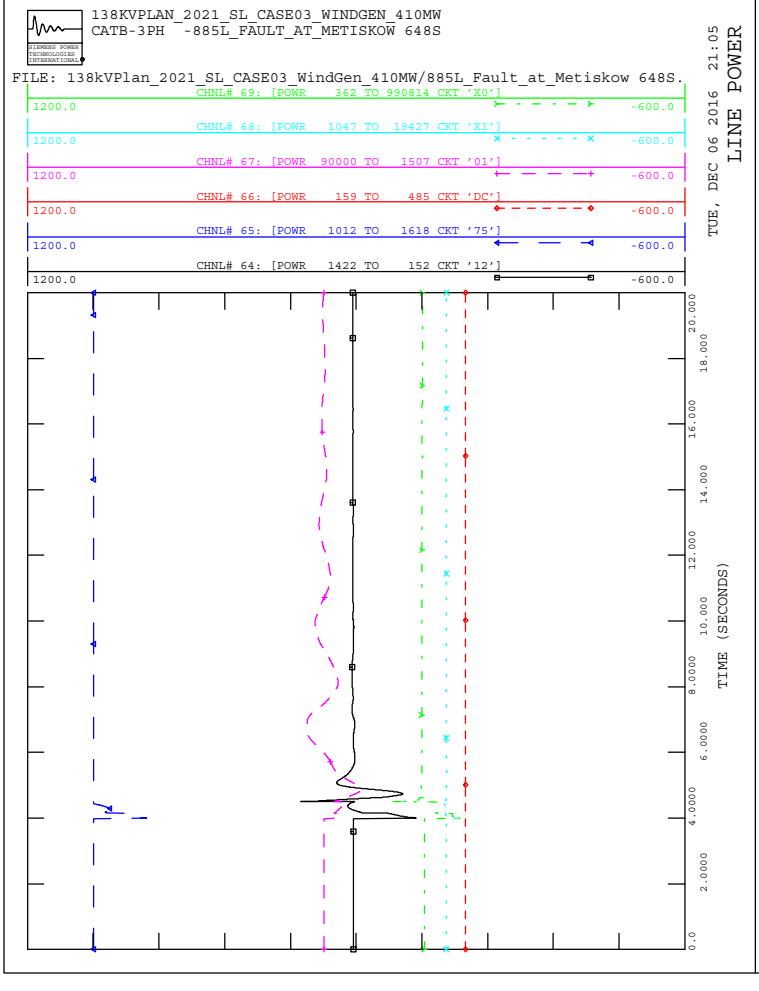
MACHINE ANGLE

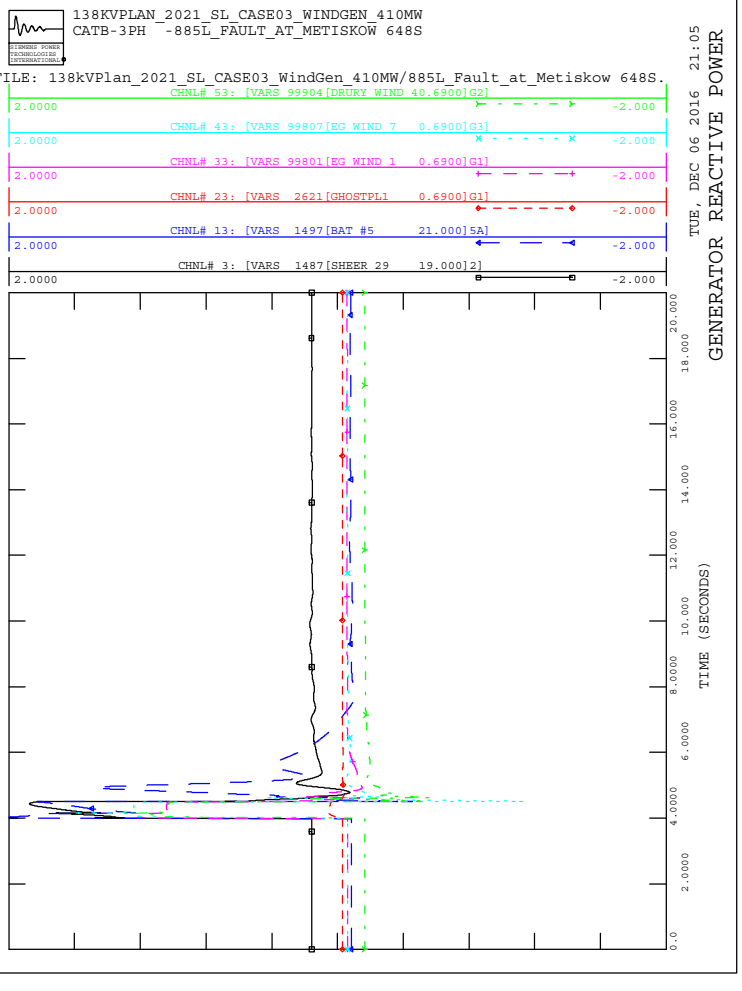
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)

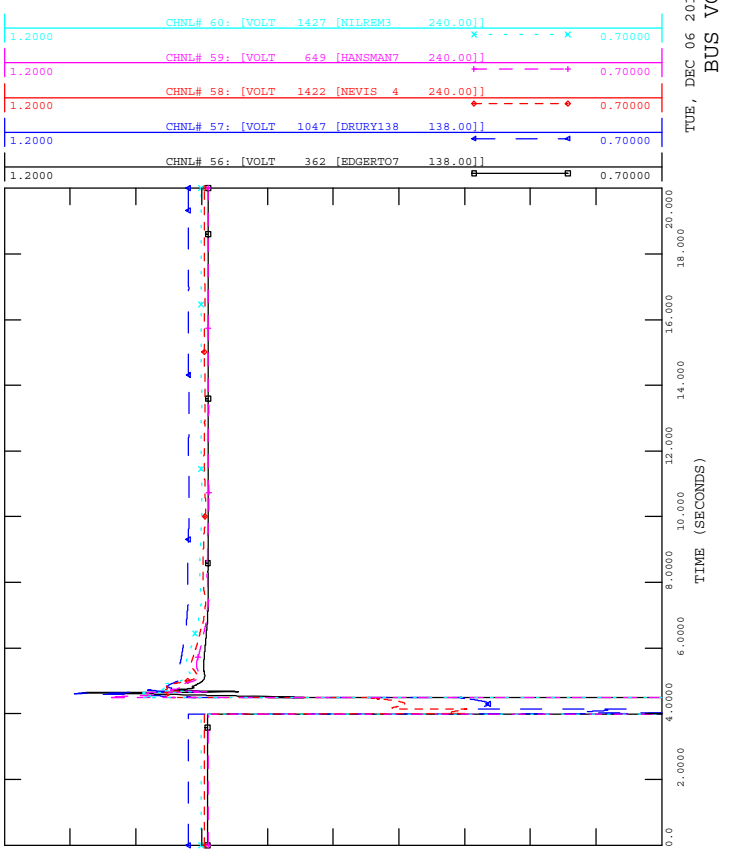

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:05

BUS VOLTAGE

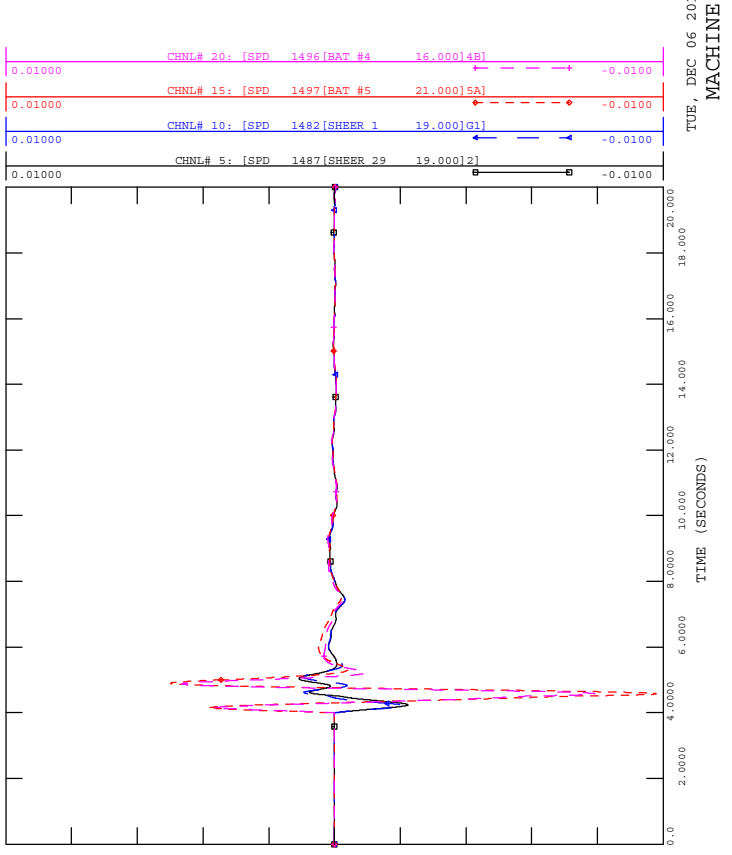


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:05

MACHINE SPEED

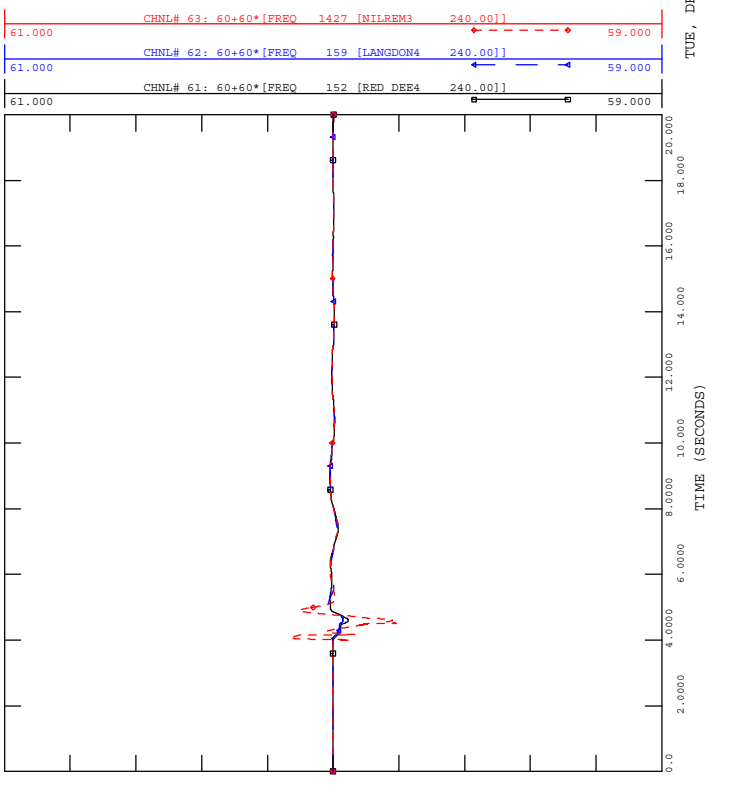


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:05

FREQUENCY

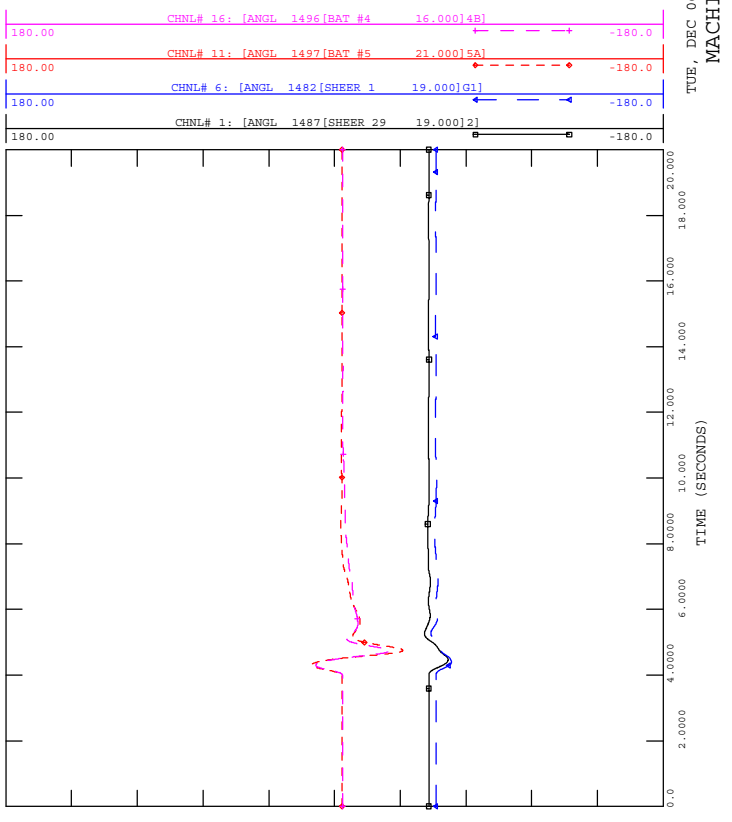


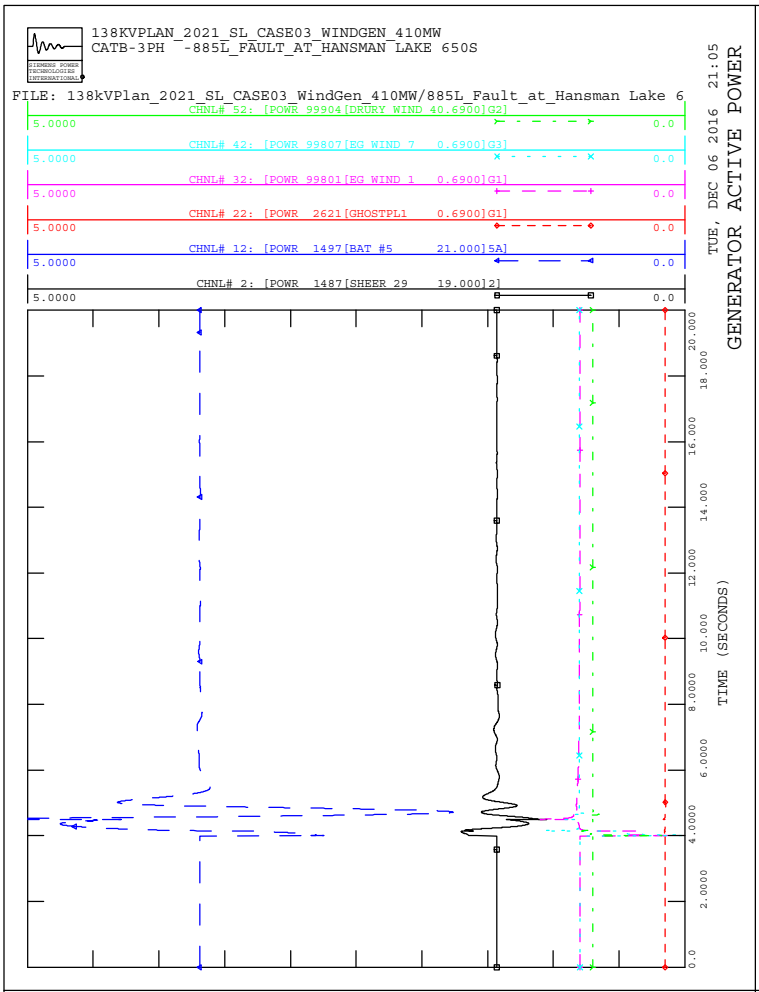
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

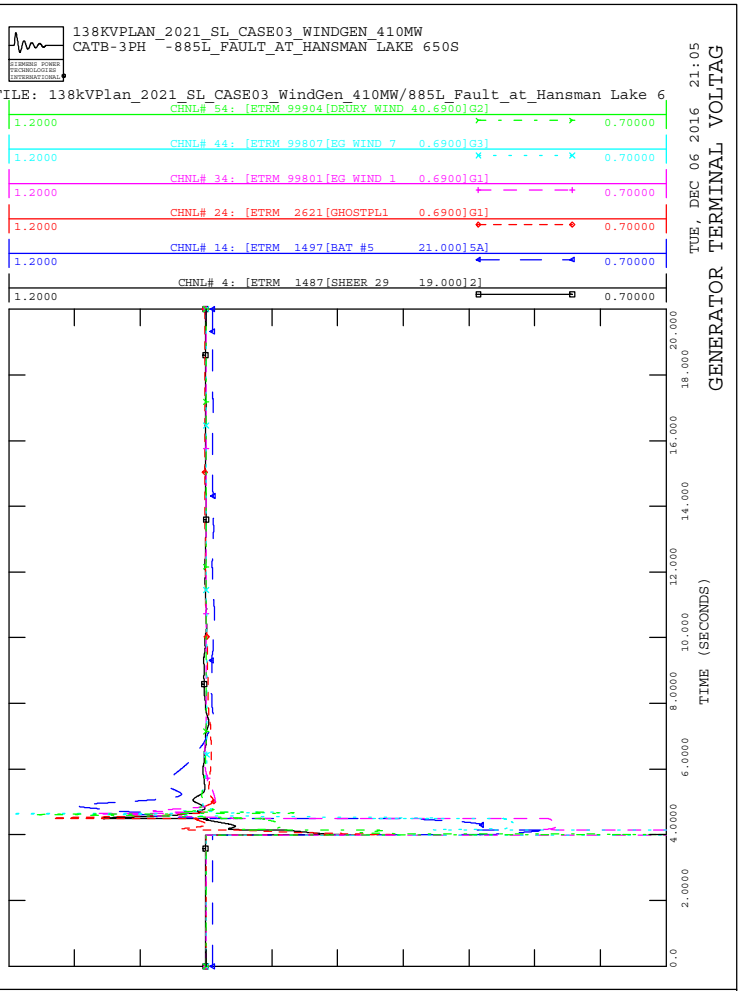
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman Lake 6

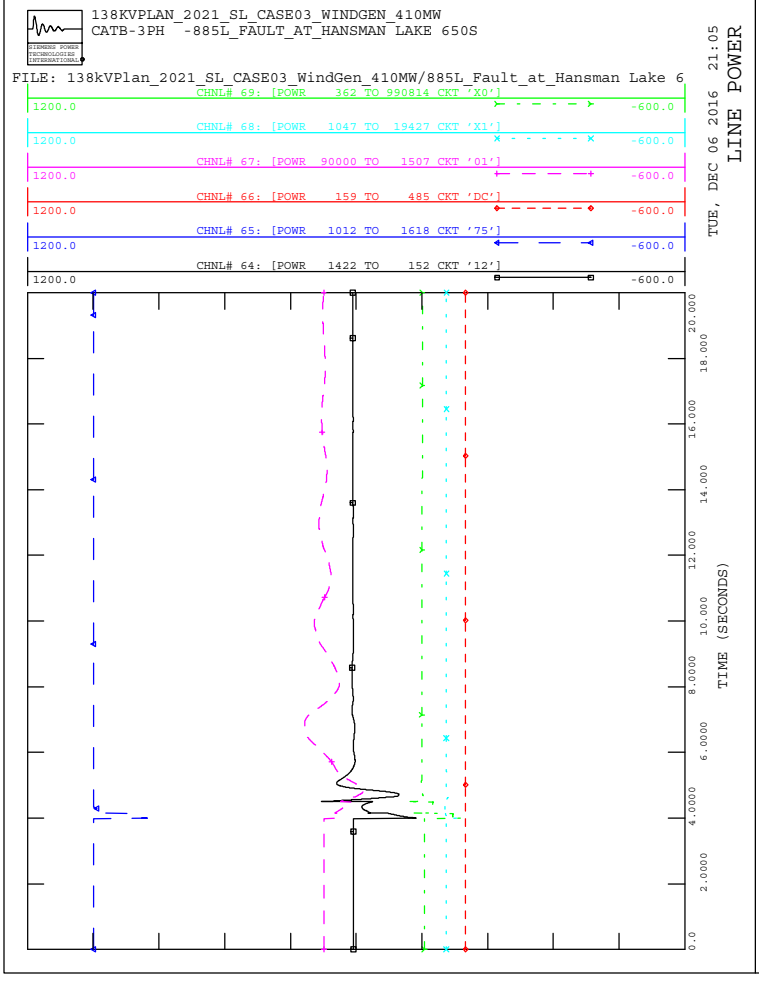
TUE, DEC 06 2016 21:05

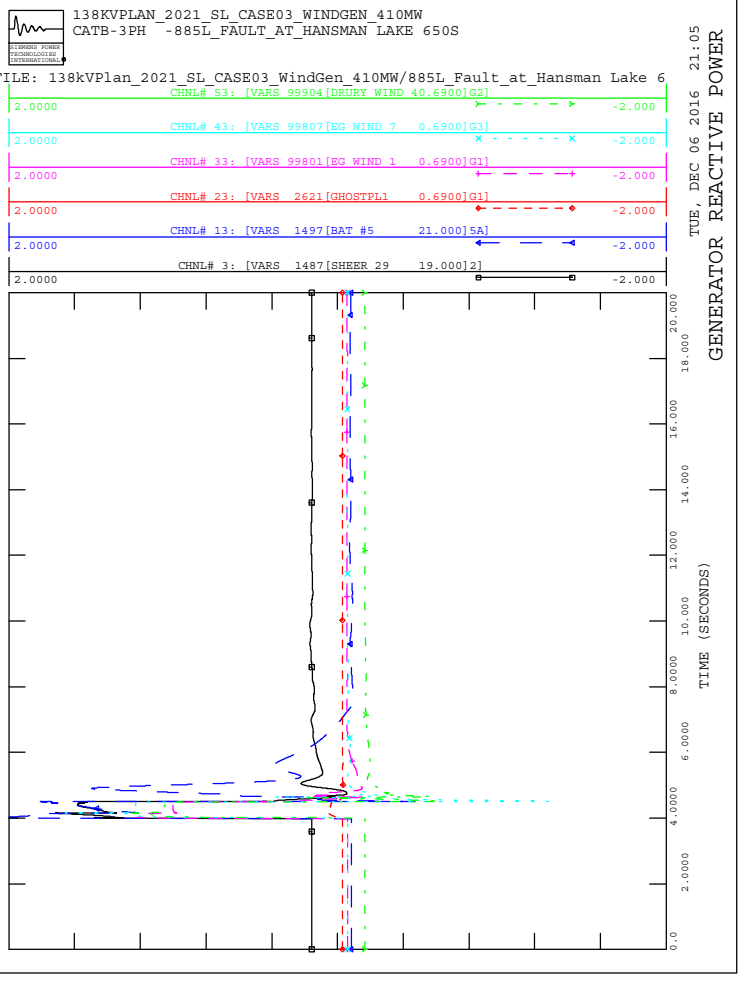
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman_Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman_Lake 6
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman_Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:05

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000

CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000

CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000

CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000

CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:05

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100

CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100

CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100

CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:05

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000

CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000

CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:05

MACHINE ANGLE

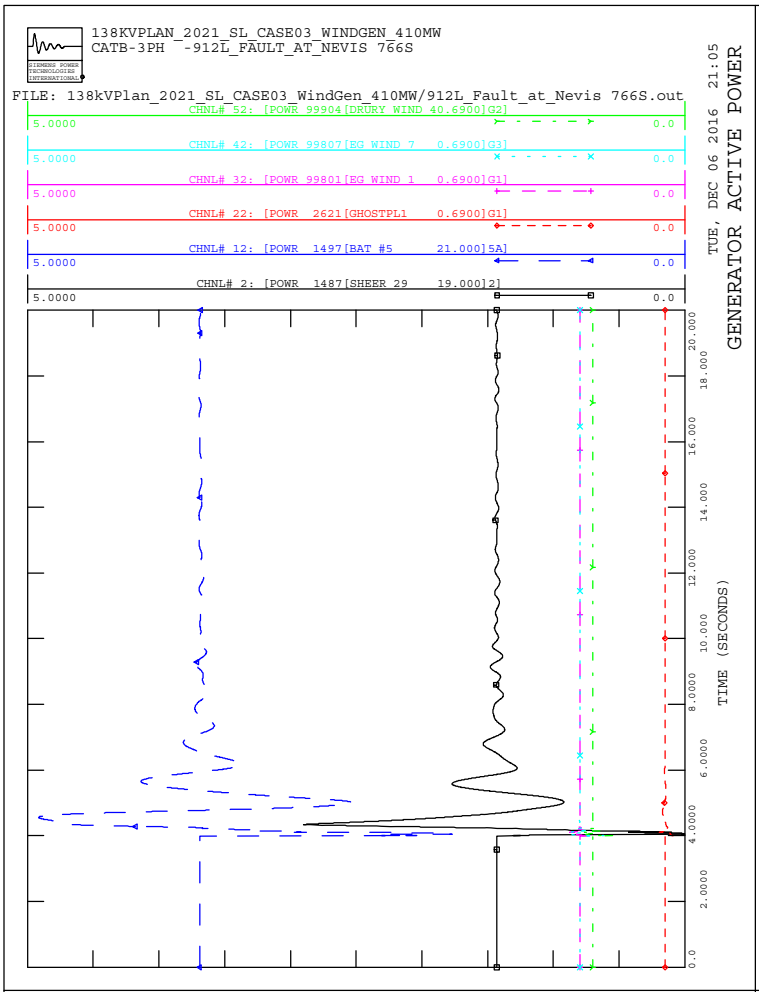
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0

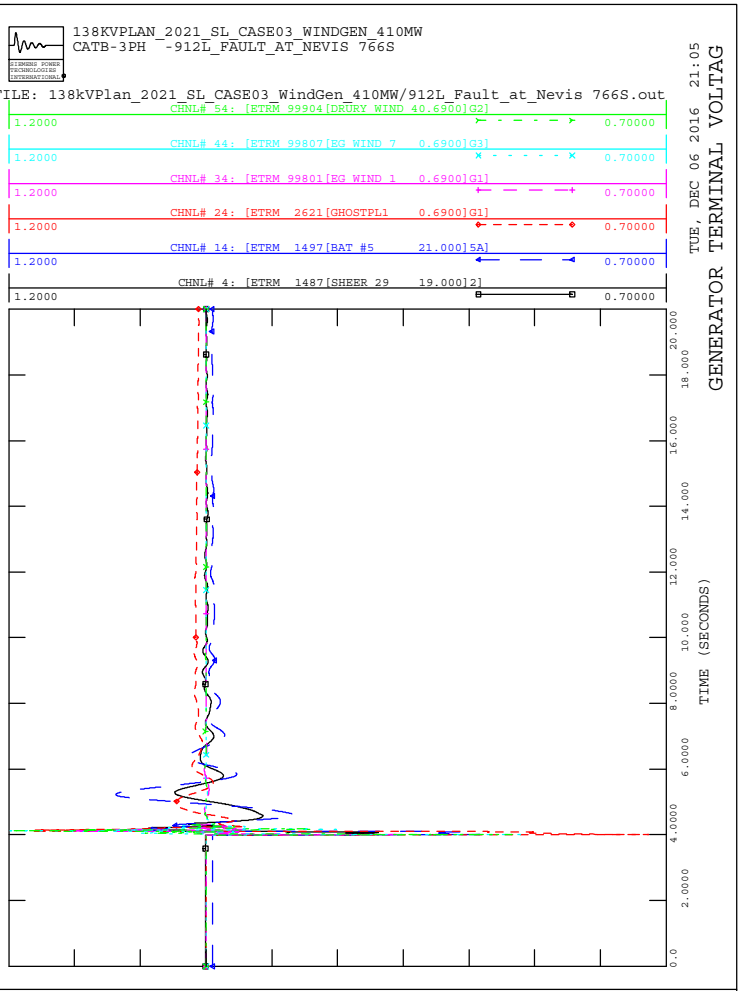
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0

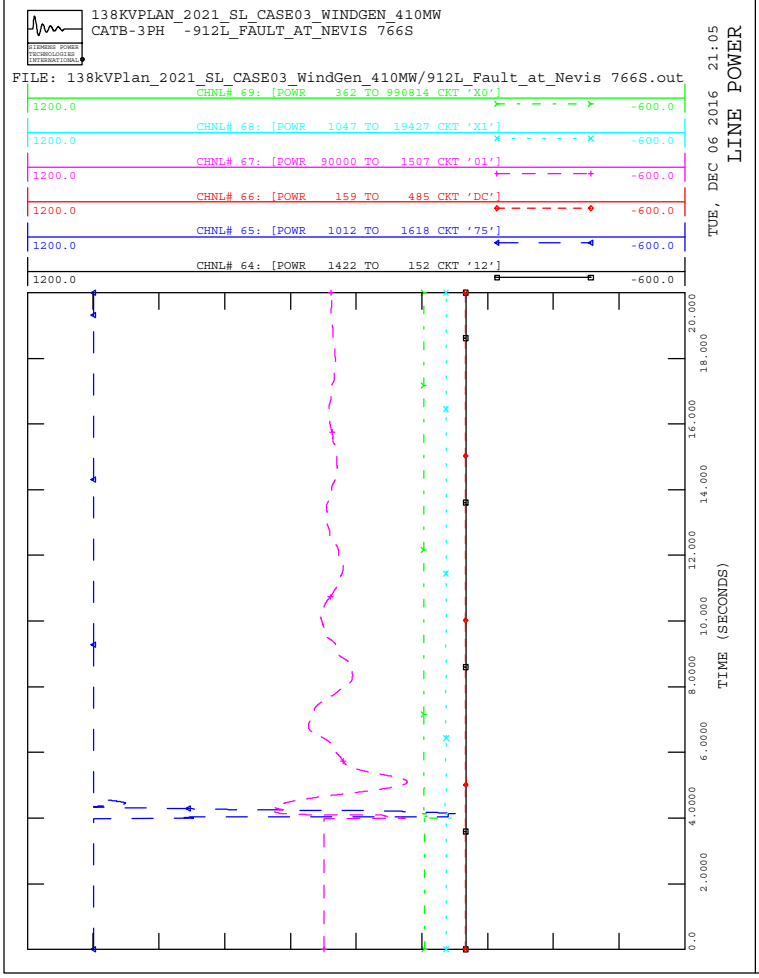
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0

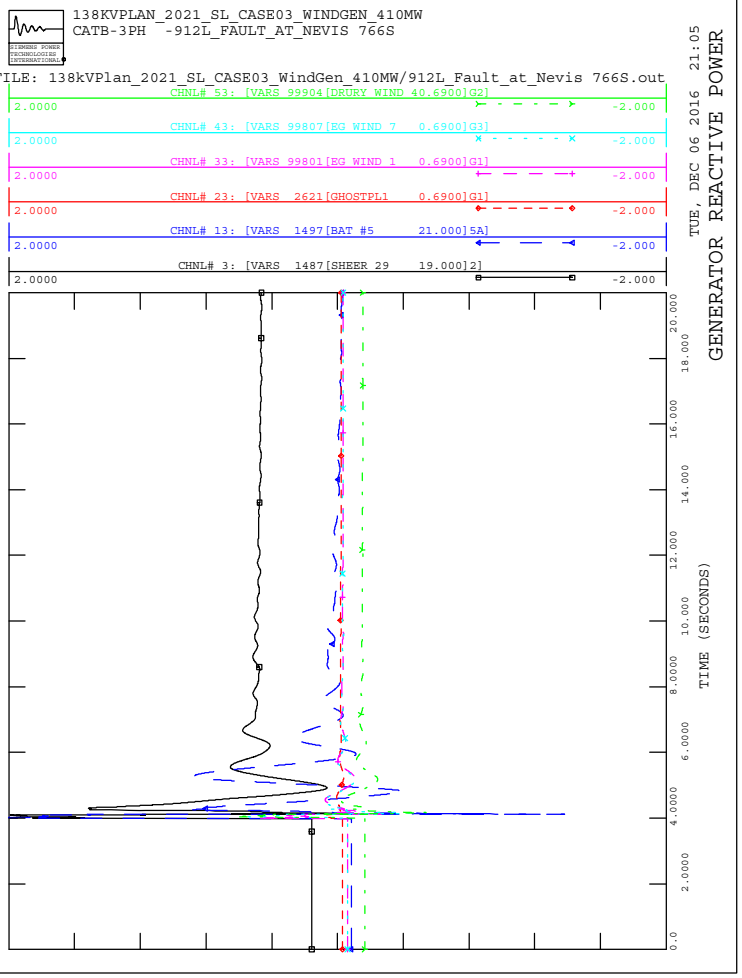
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

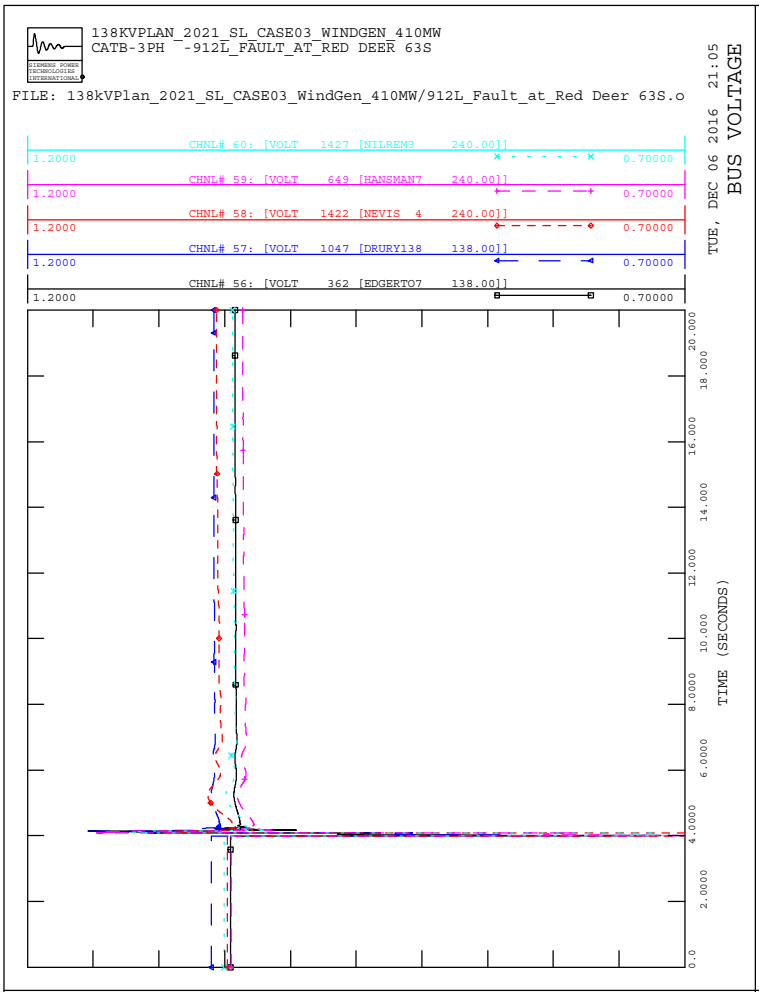
TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
TUE, DEC 06 2016 21:05
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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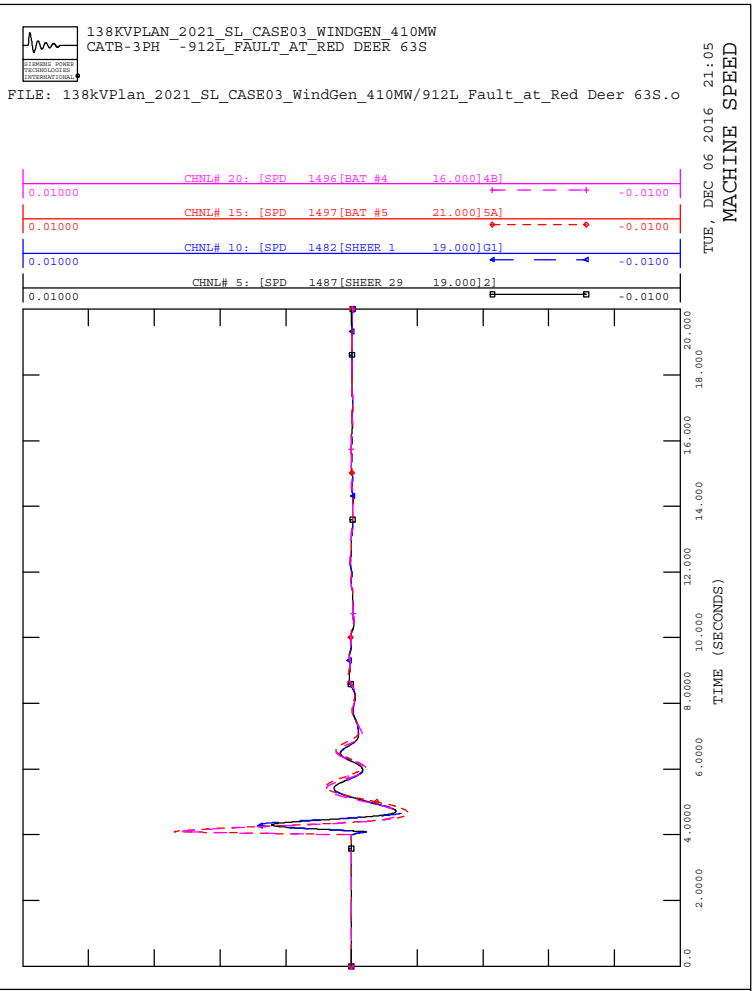
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
TUE, DEC 06 2016 21:05
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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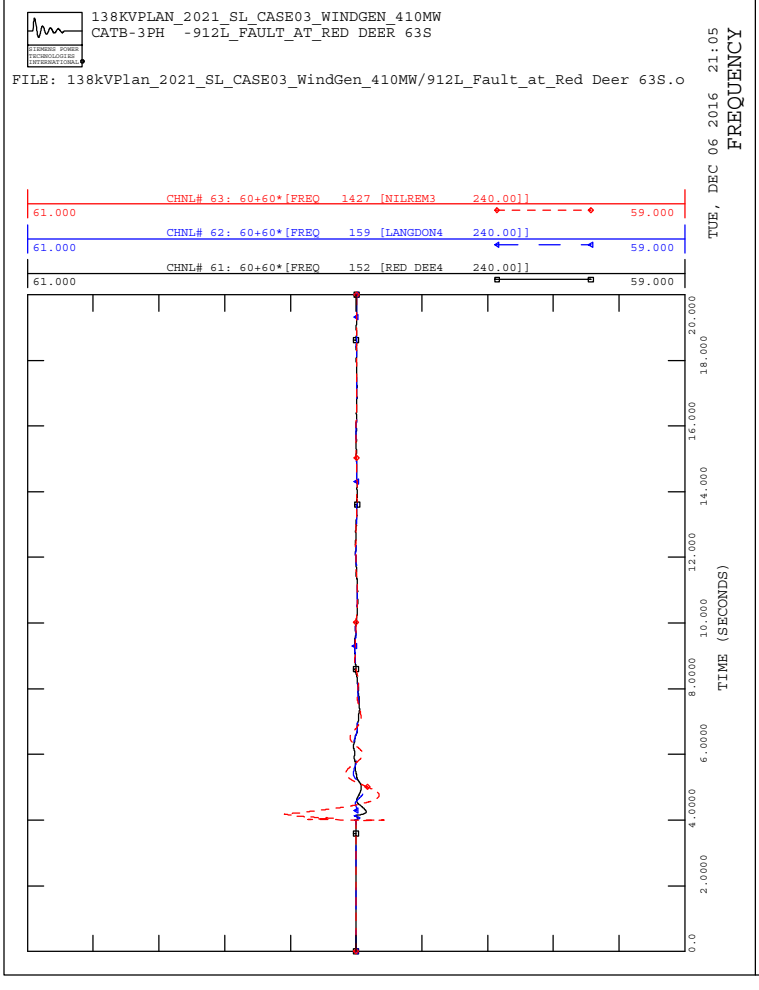
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
TUE, DEC 06 2016 21:05
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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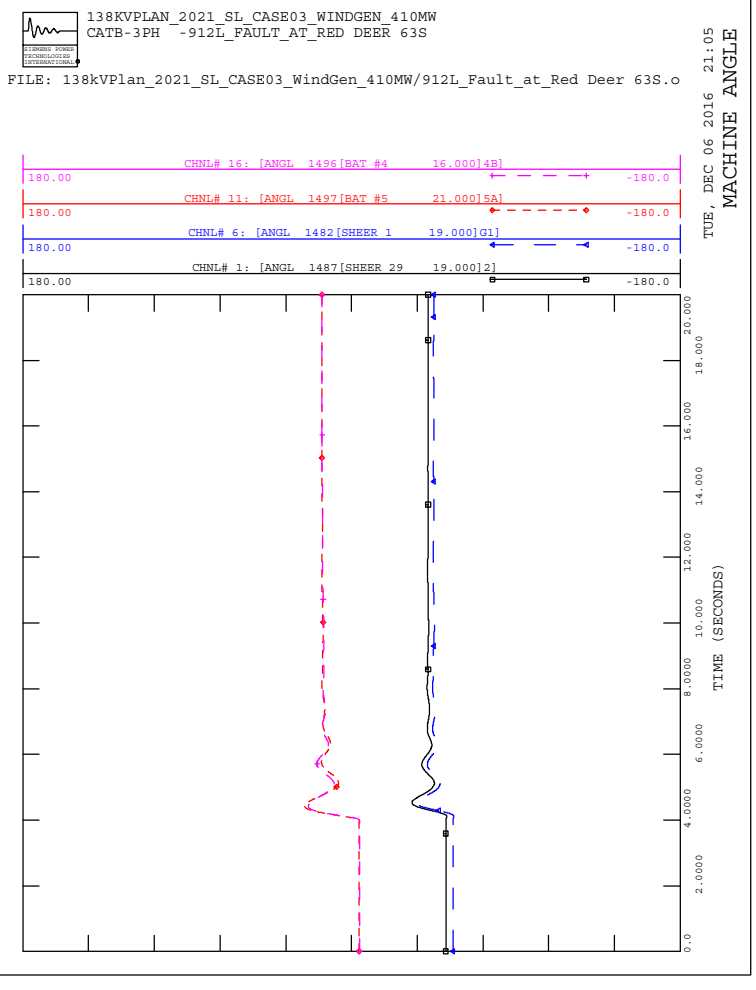
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
TUE, DEC 06 2016 21:05
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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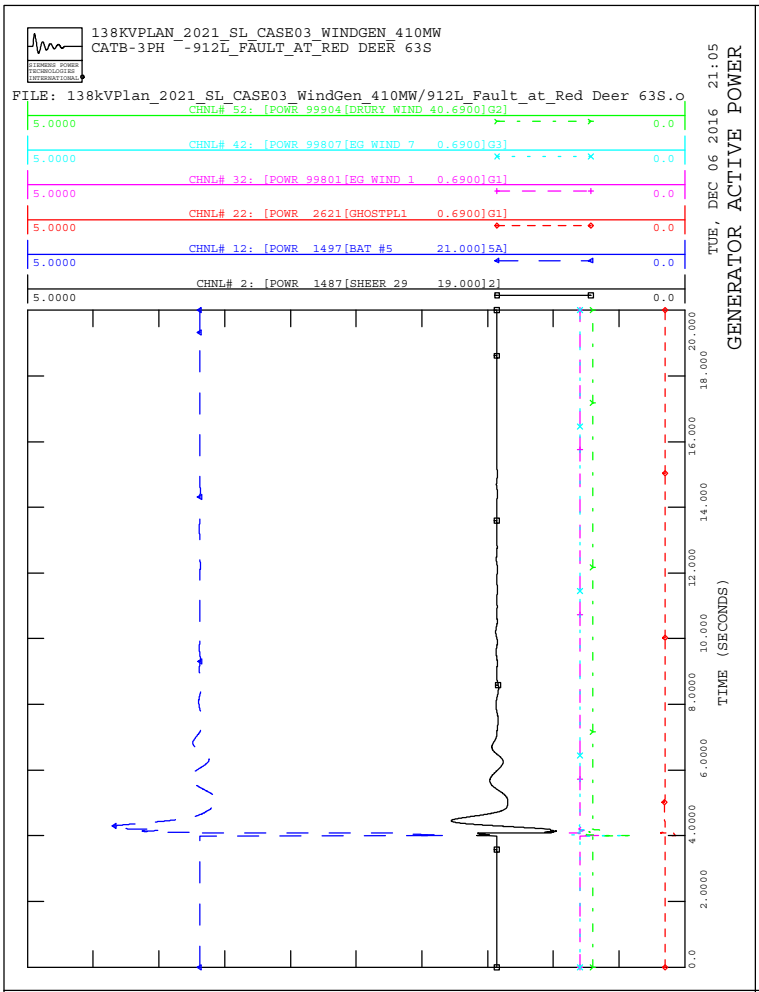
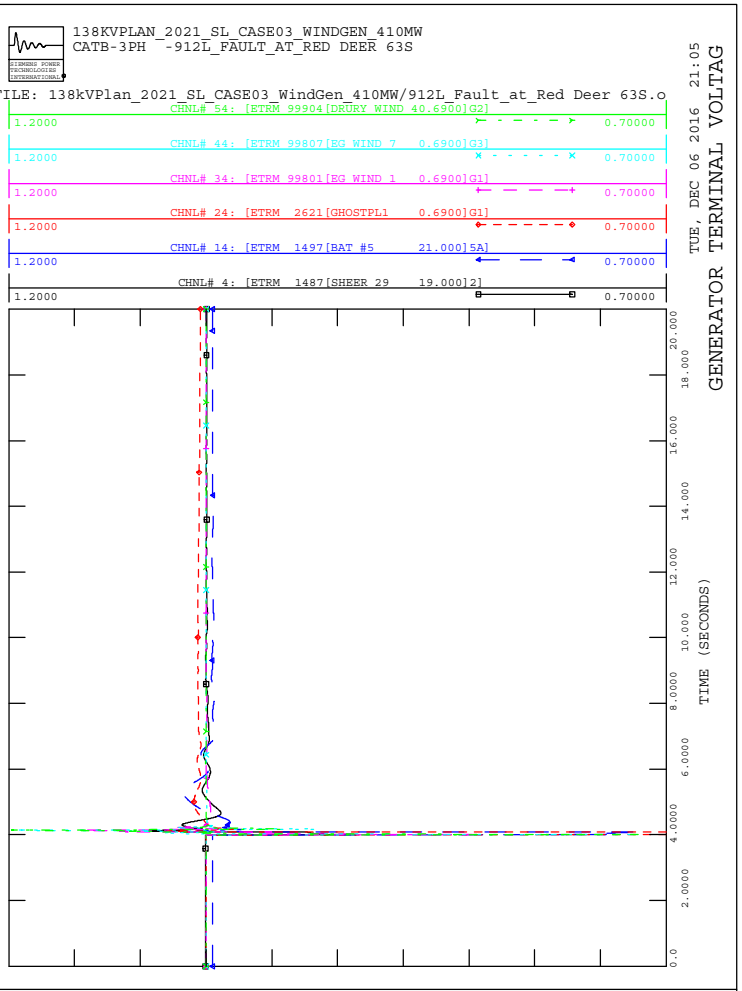
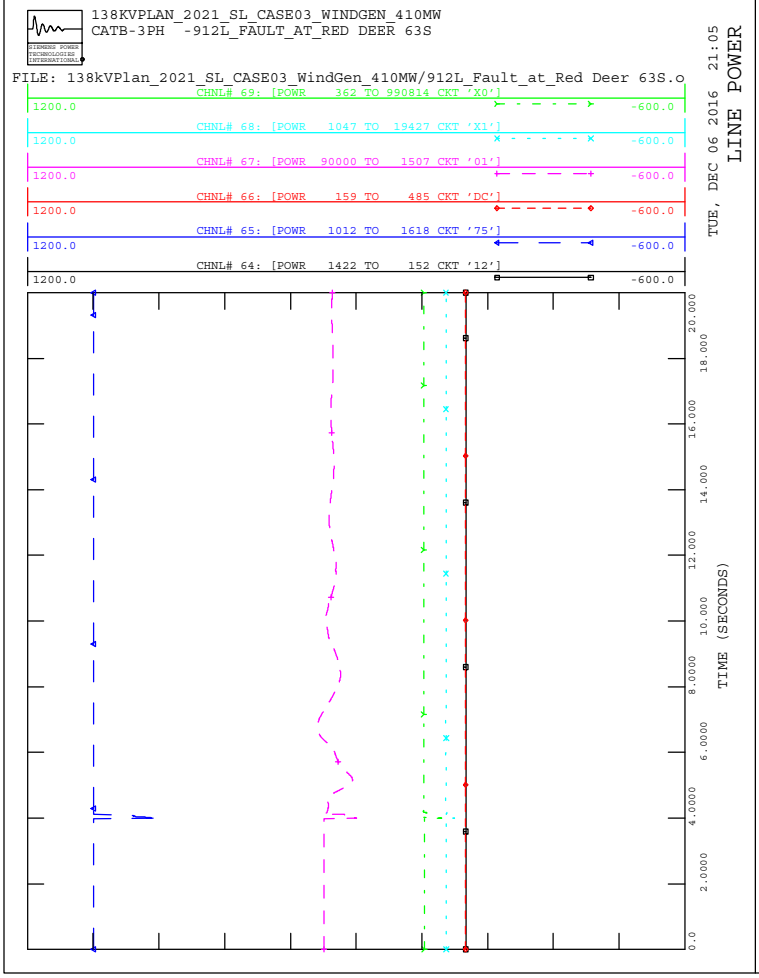
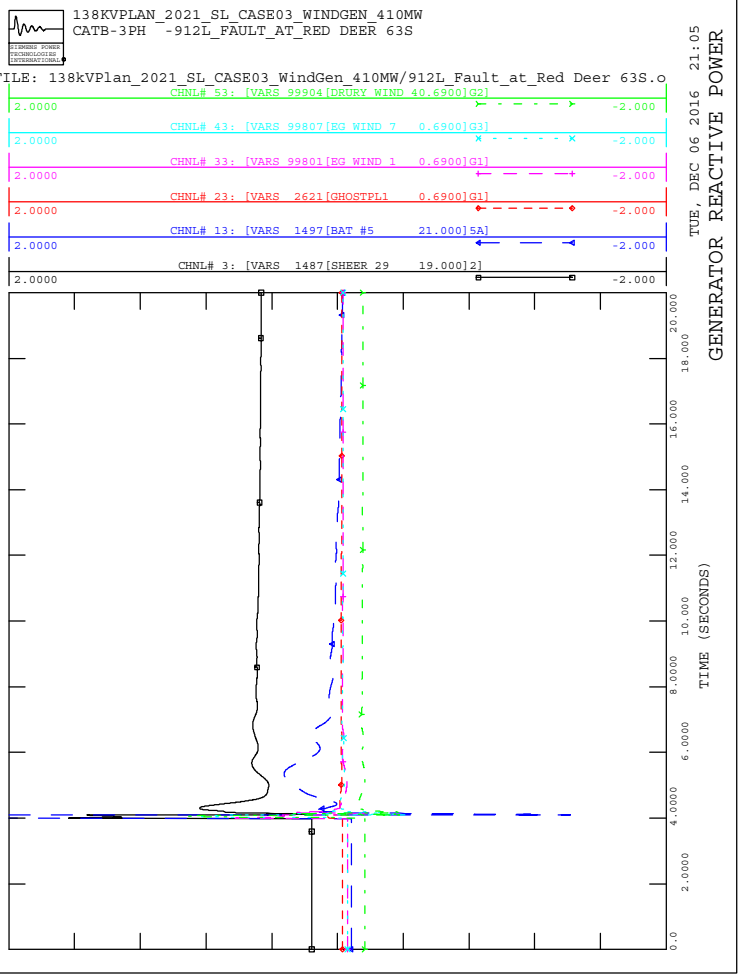
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)

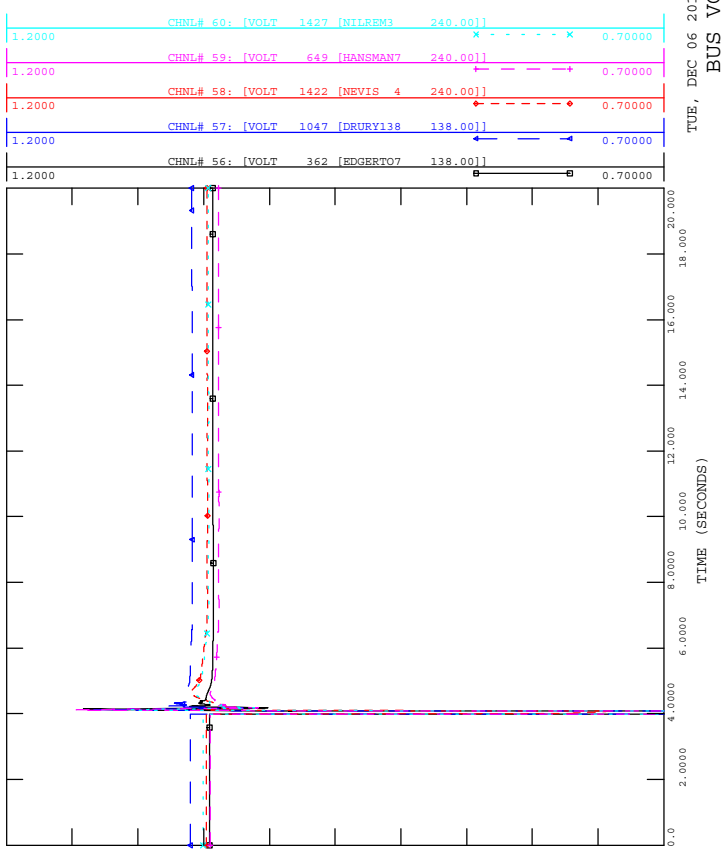

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

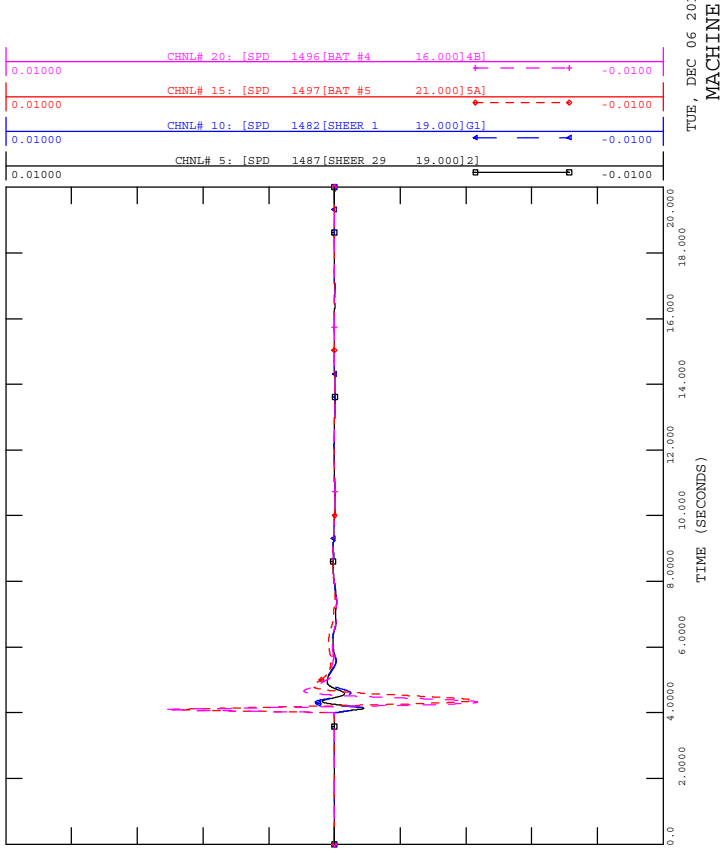
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:05
BUS VOLTAGE

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

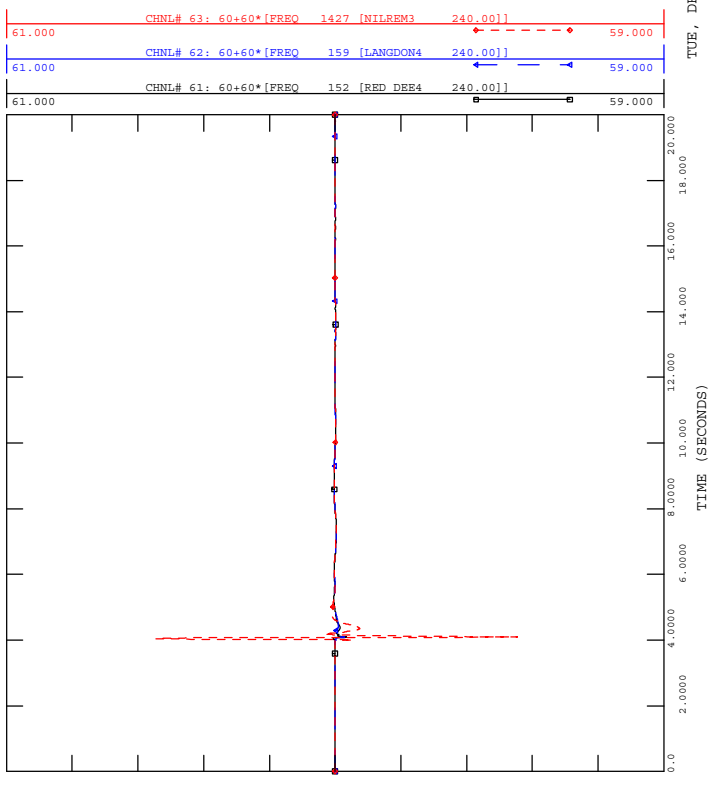
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:05
MACHINE SPEED

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

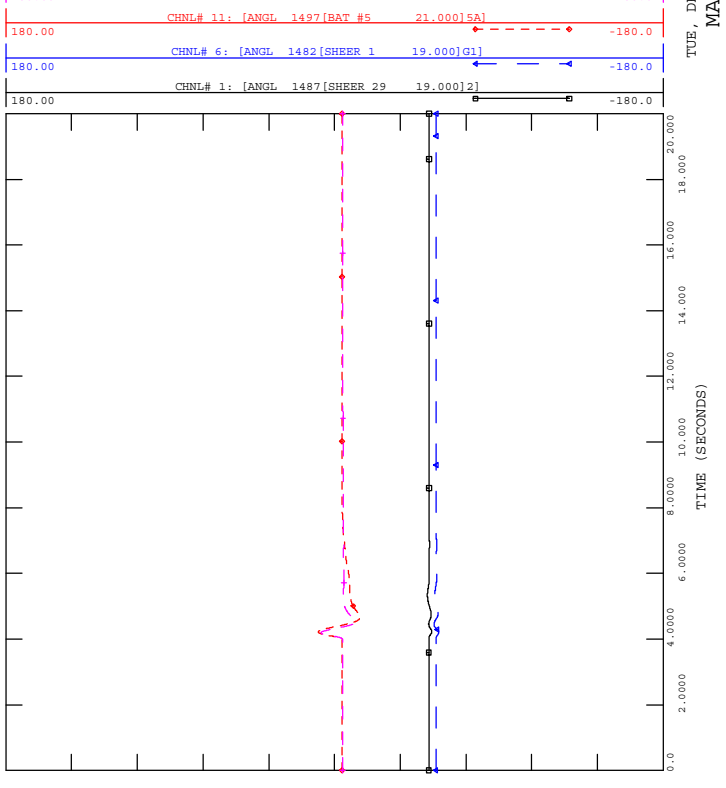
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake



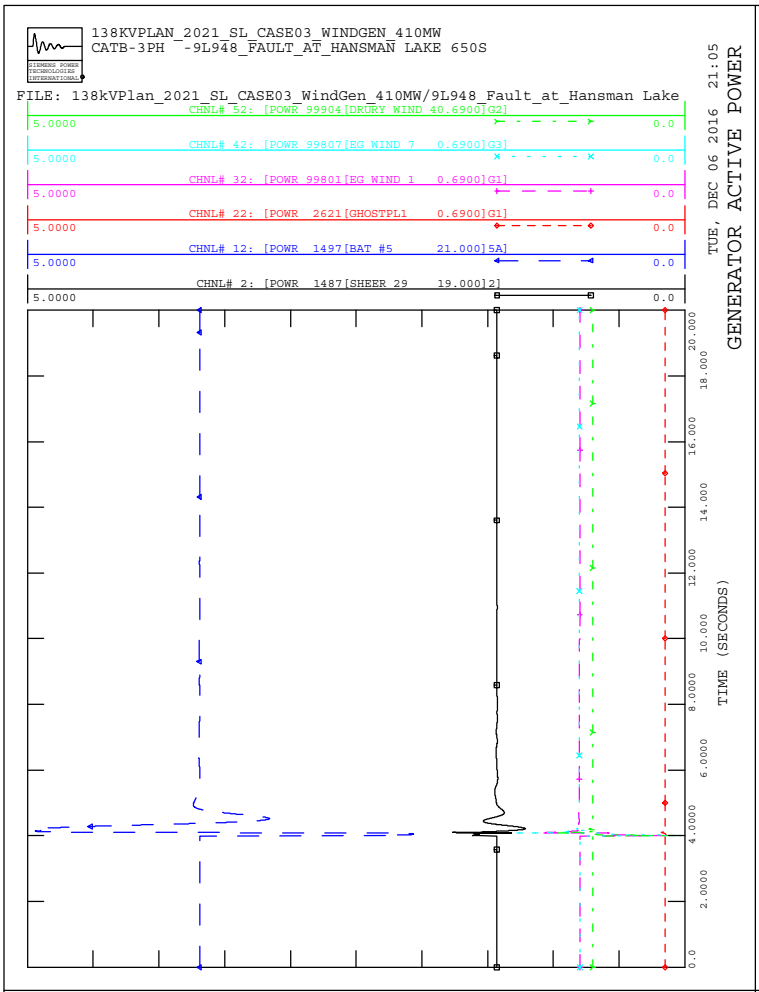
TUE, DEC 06 2016 21:05
FREQUENCY

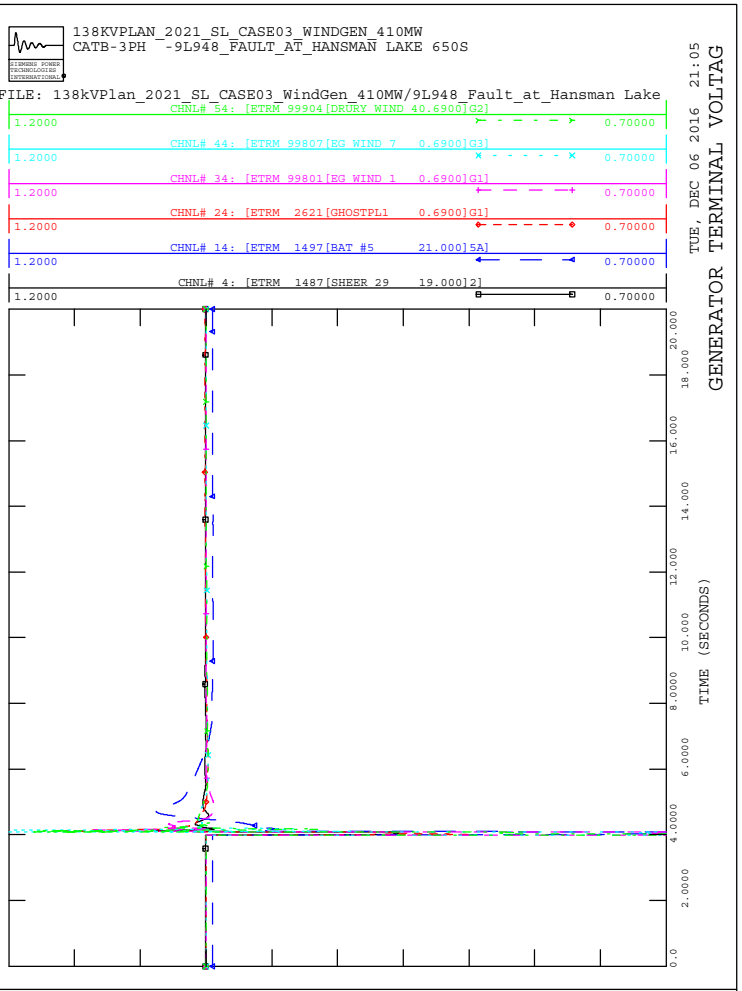
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:05
MACHINE ANGLE


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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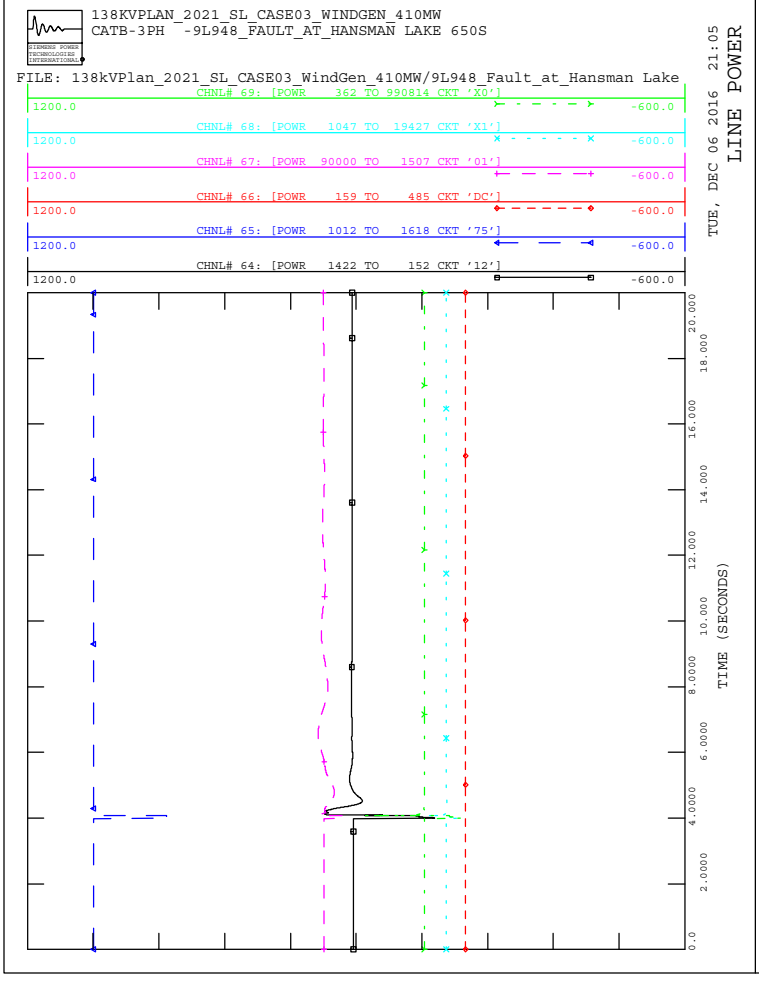
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
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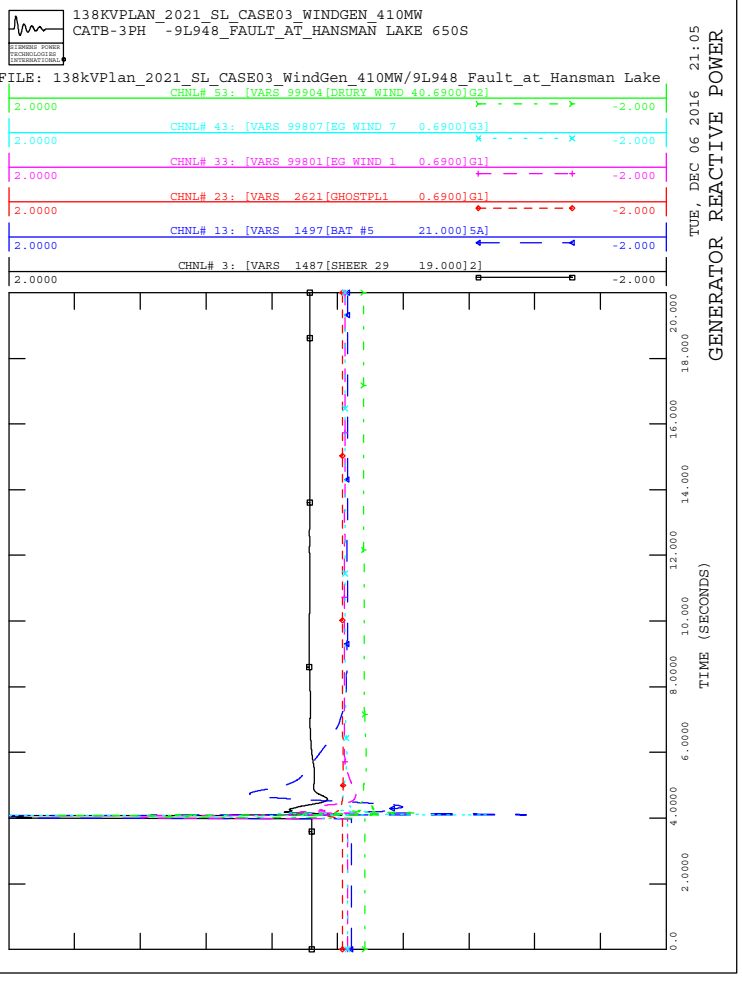
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

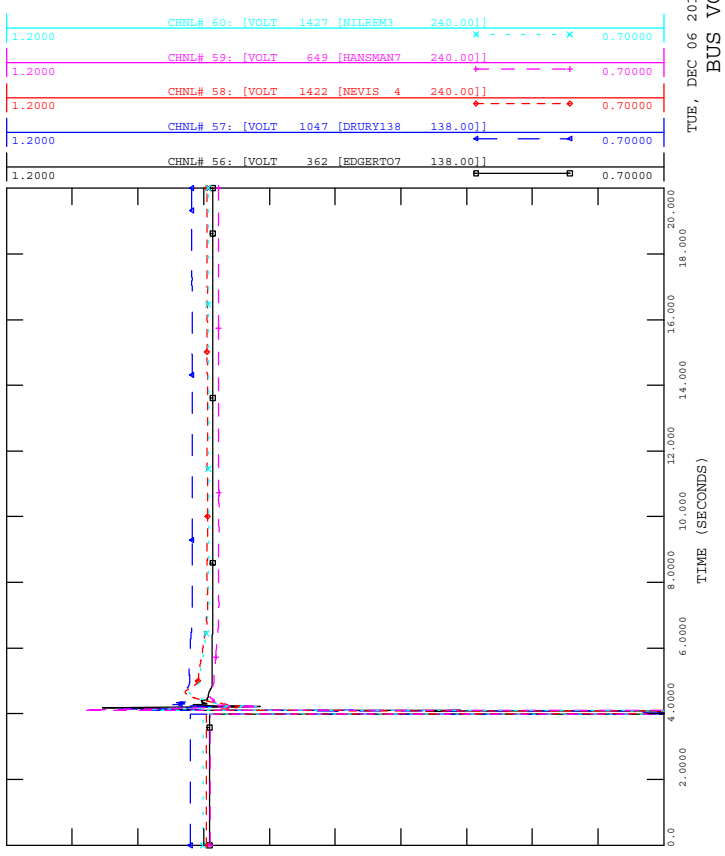

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:05

BUS VOLTAGE

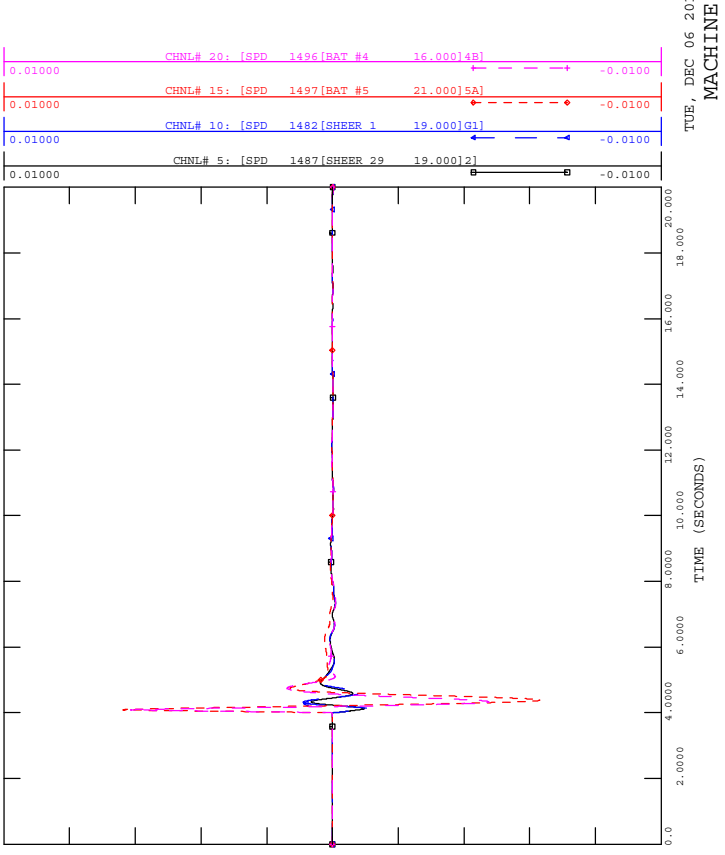


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:05

MACHINE SPEED

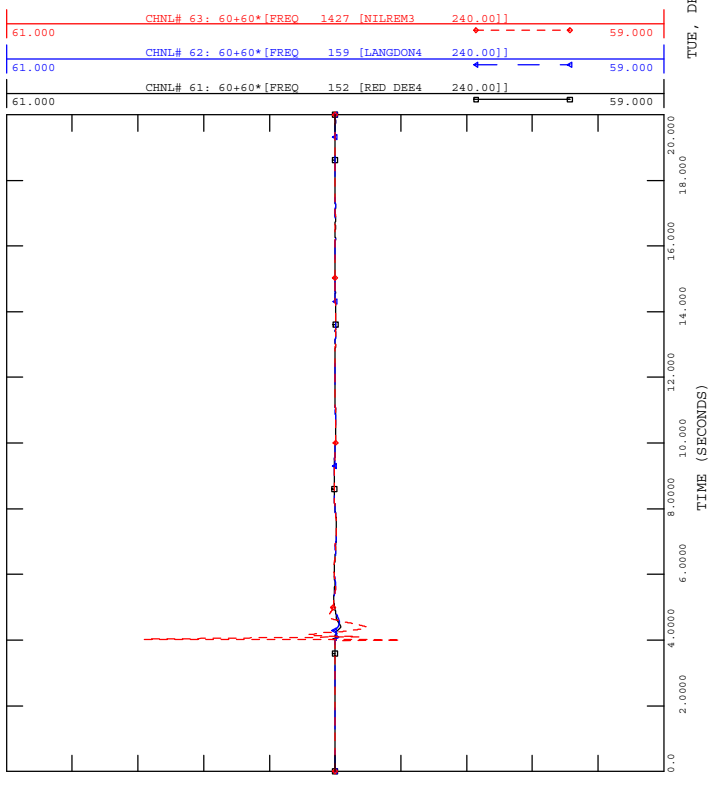


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:05

FREQUENCY

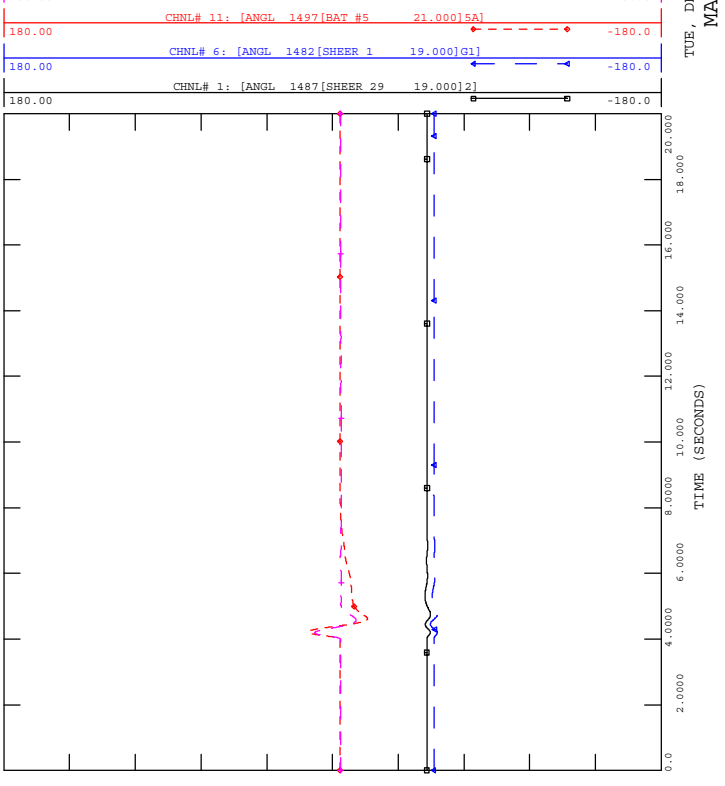


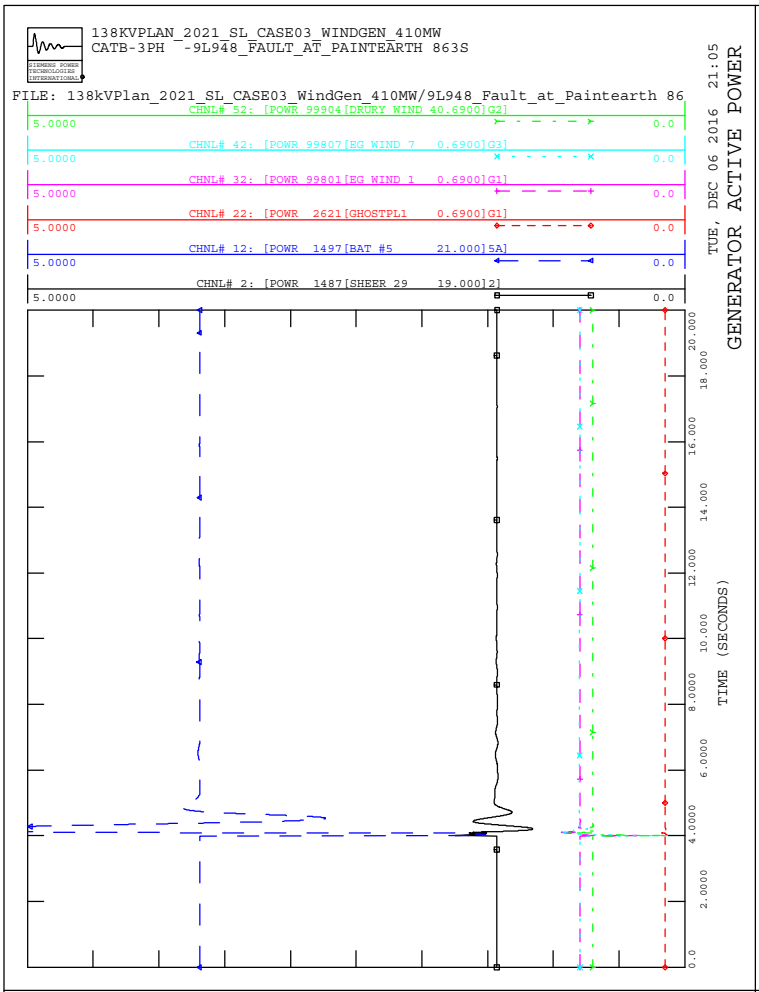
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

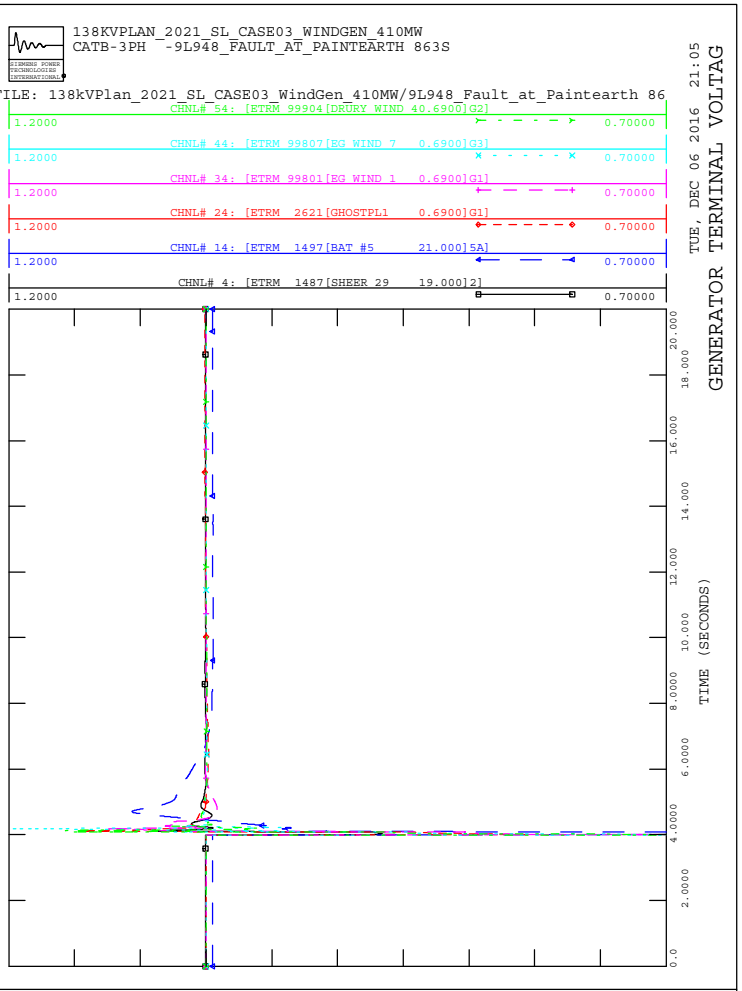
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86

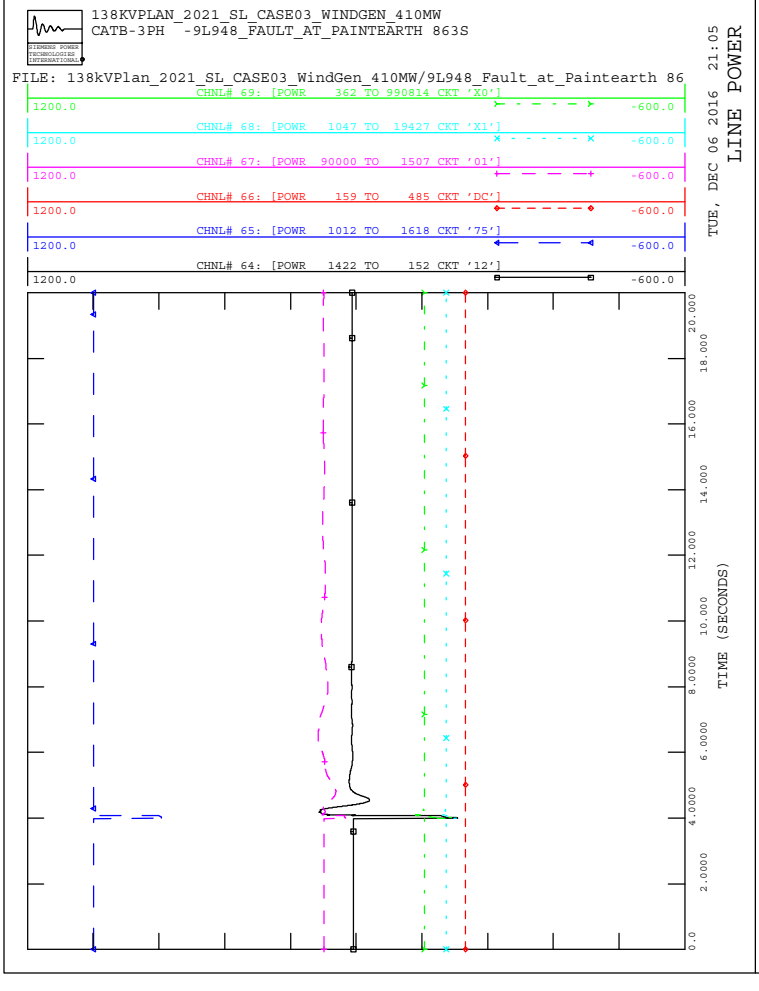
TUE, DEC 06 2016 21:05

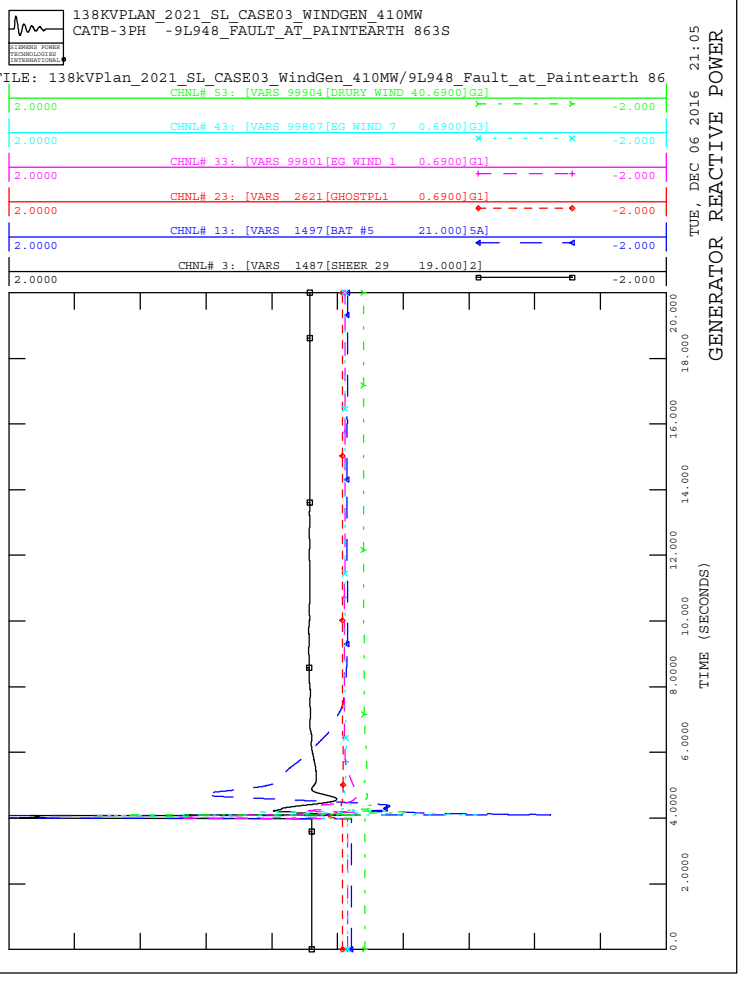
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:05

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000

CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000

CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000

CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000

CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:05

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100

CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100

CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100

CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:05

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000

CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000

CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:05

MACHINE ANGLE

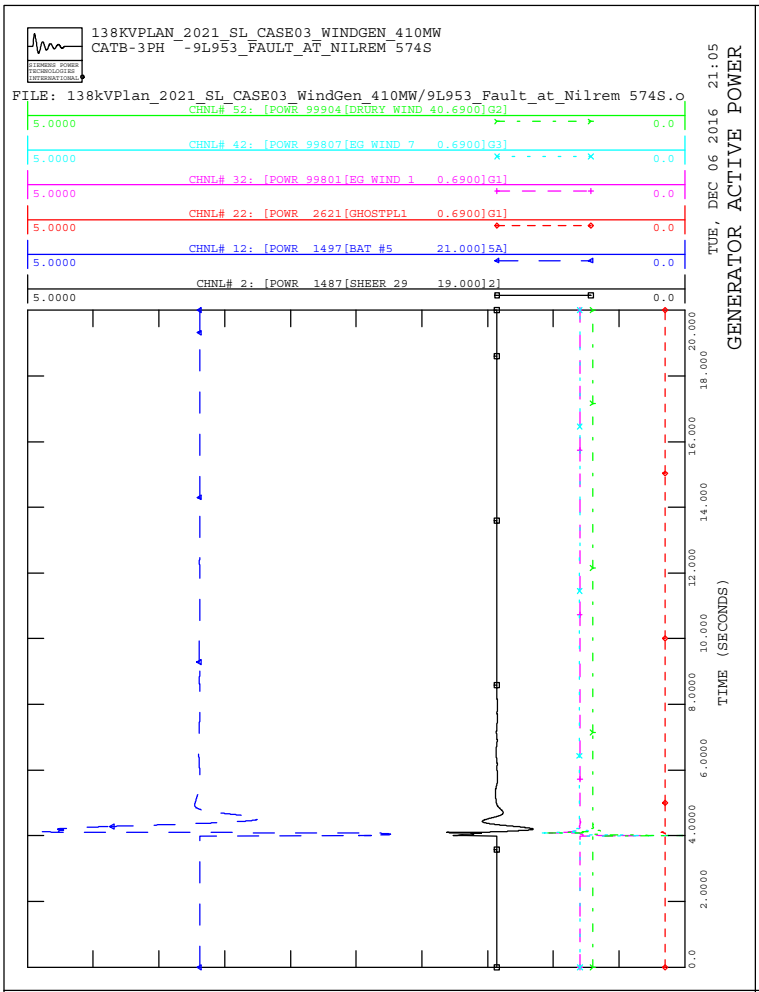
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0

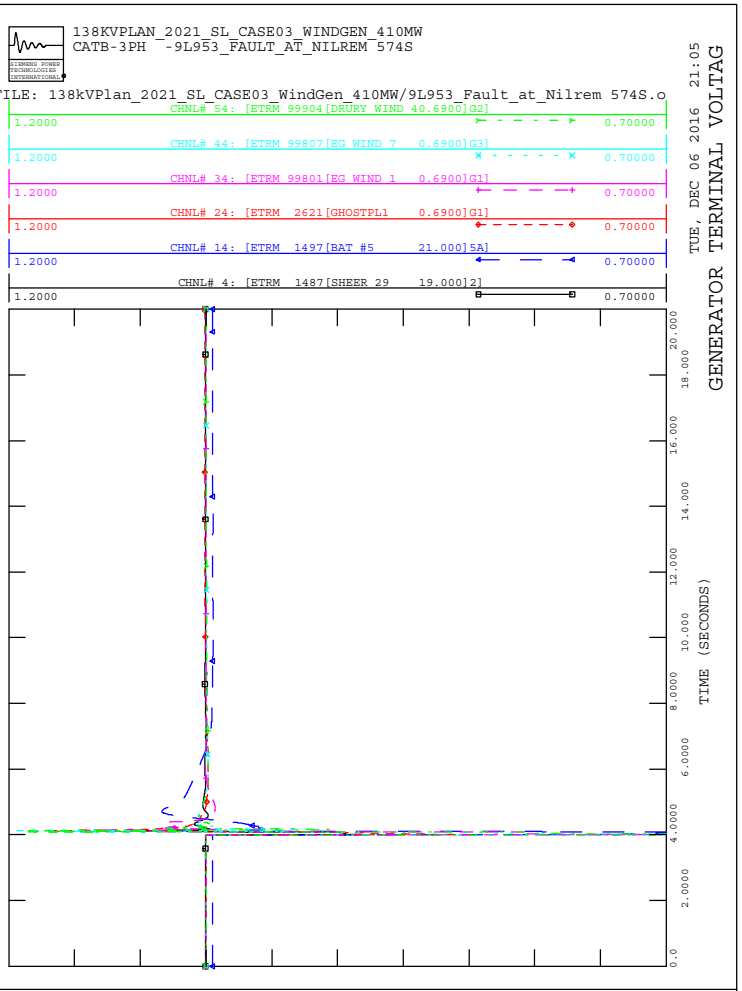
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0

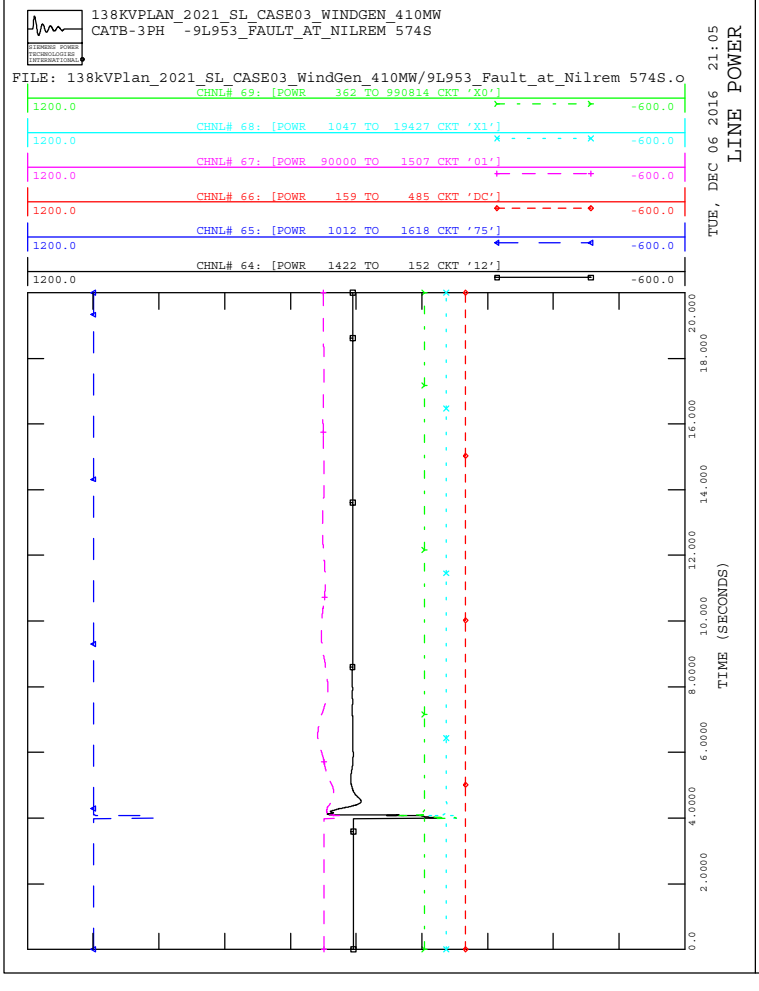
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0

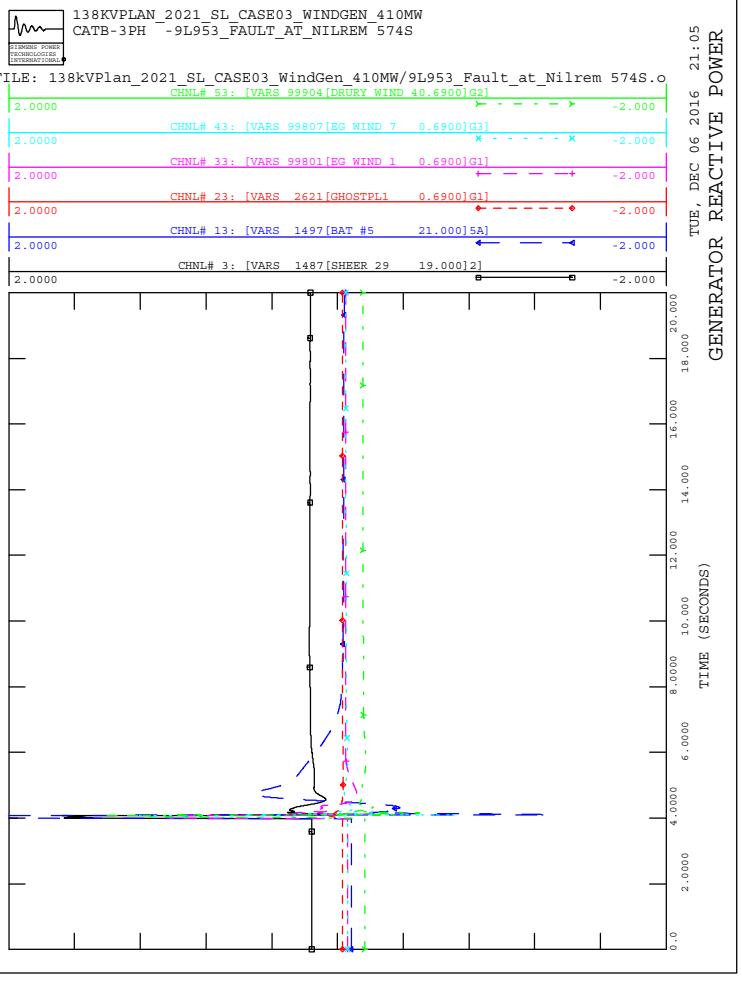
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o

TUE, DEC 06 2016 21:05

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o

TUE, DEC 06 2016 21:05

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o

TUE, DEC 06 2016 21:05

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o

TUE, DEC 06 2016 21:05

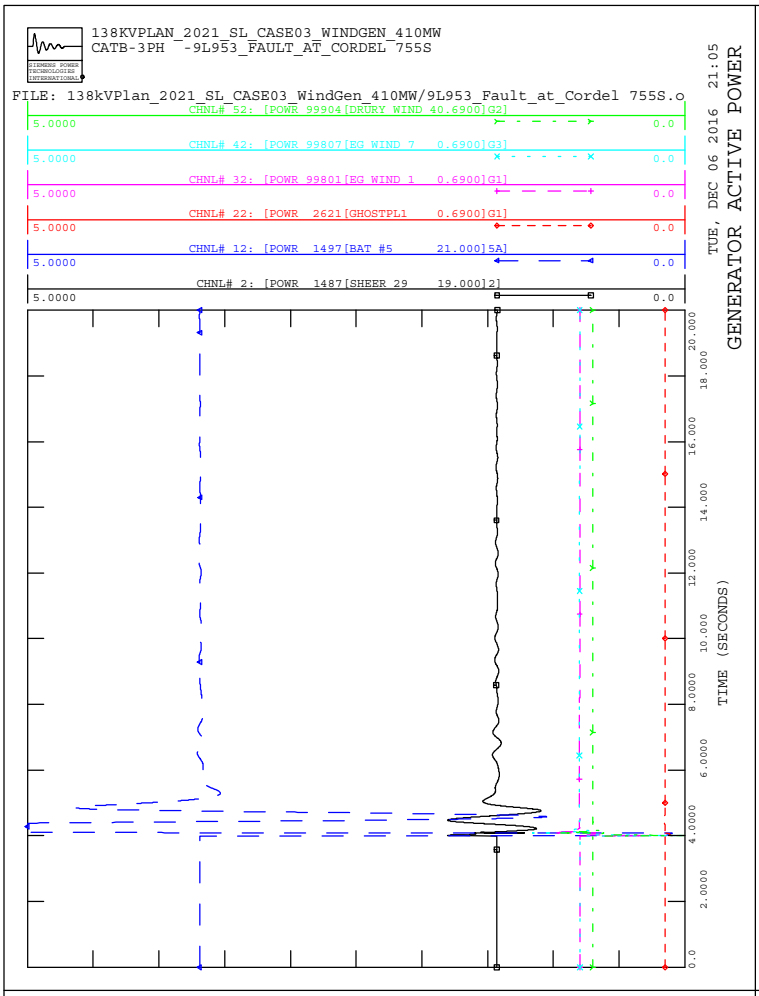
MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

180.00 / -180.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:05
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
4.0000
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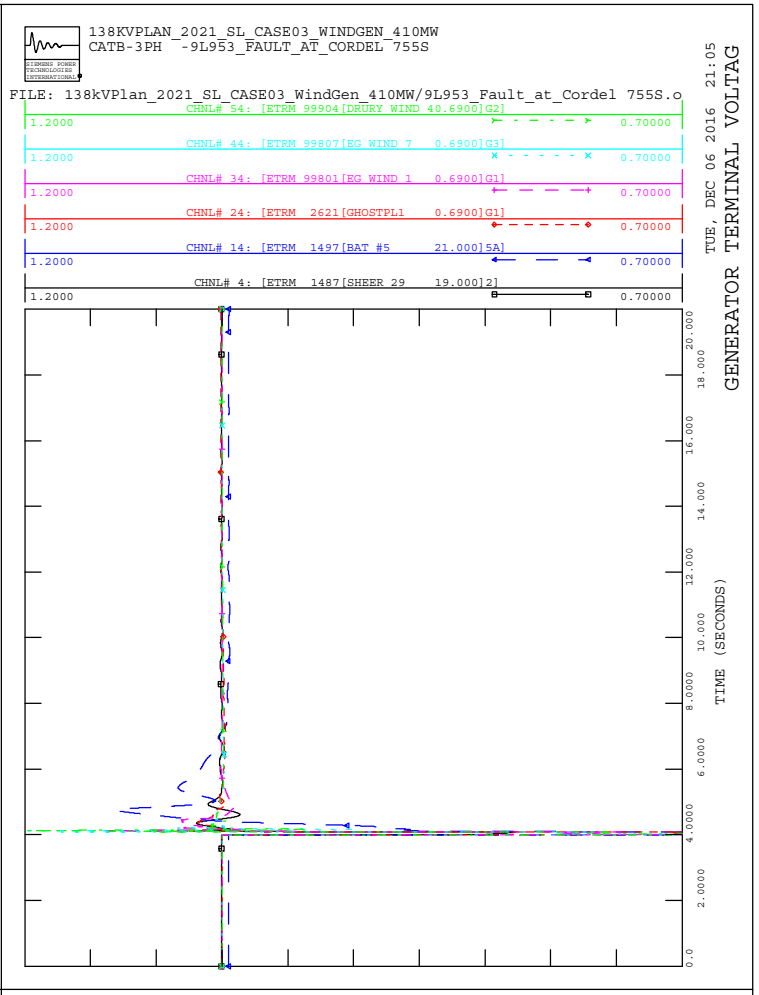
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:05
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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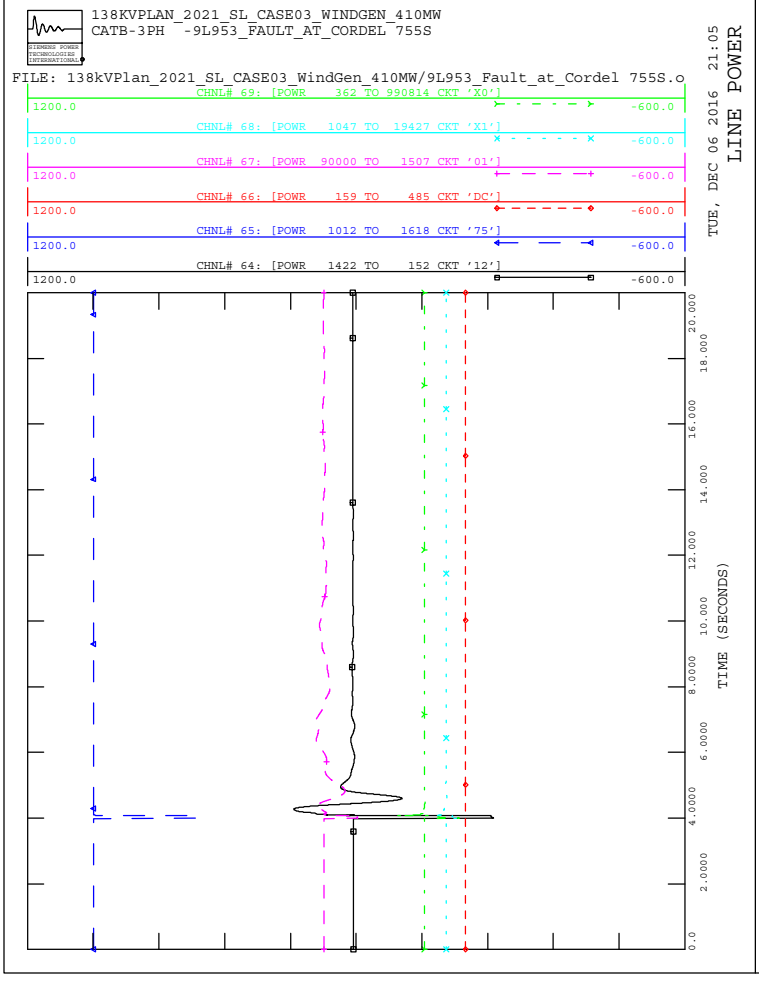
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:05
LINE POWER
TIME (SECONDS)
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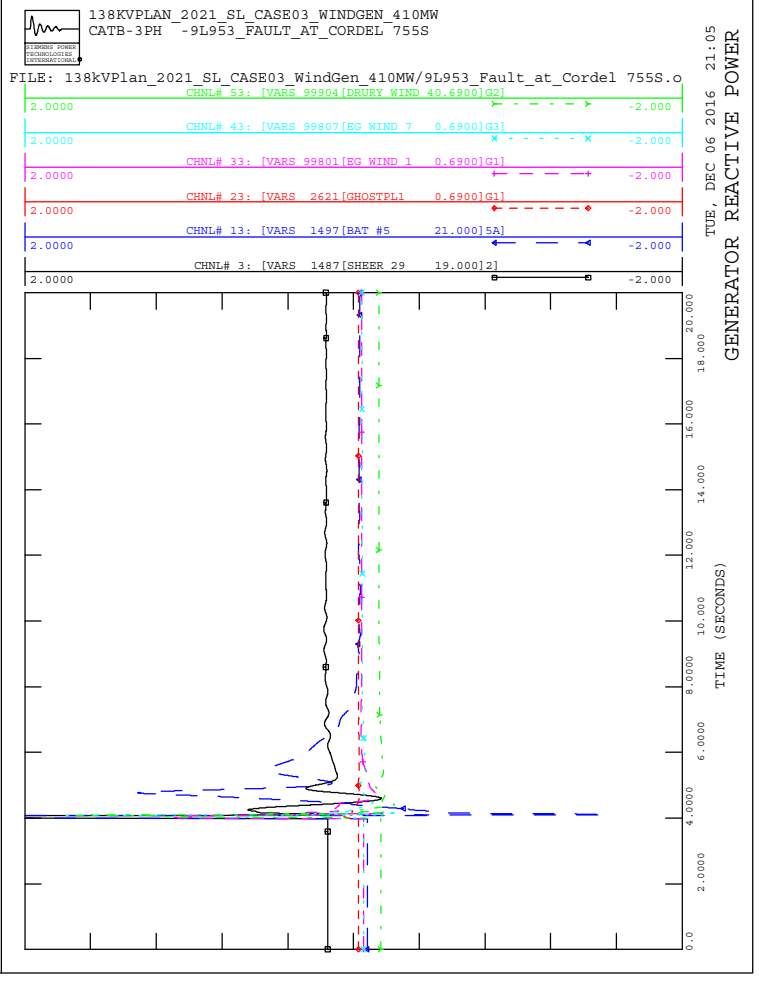
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

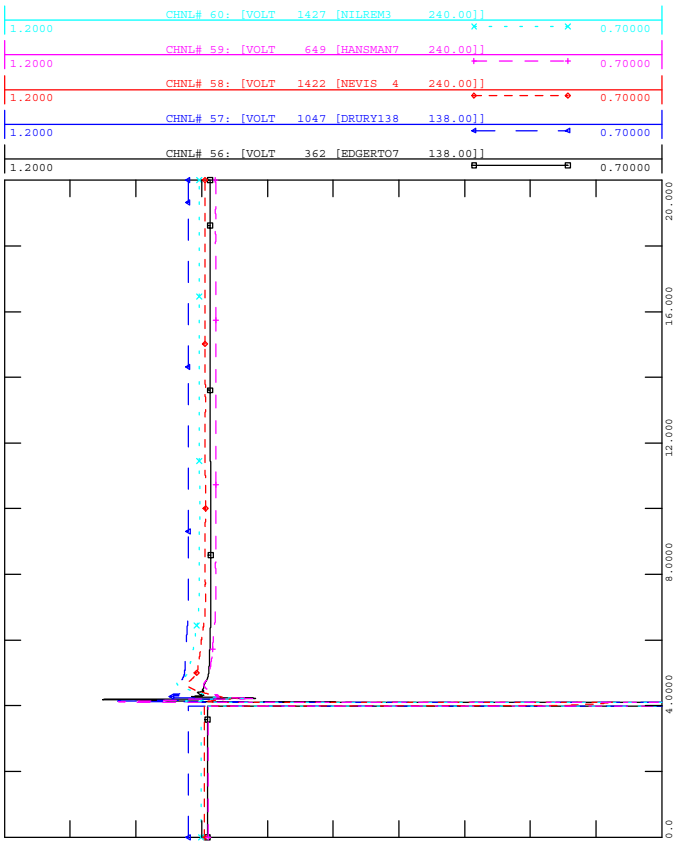

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:05
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:06

BUS VOLTAGE

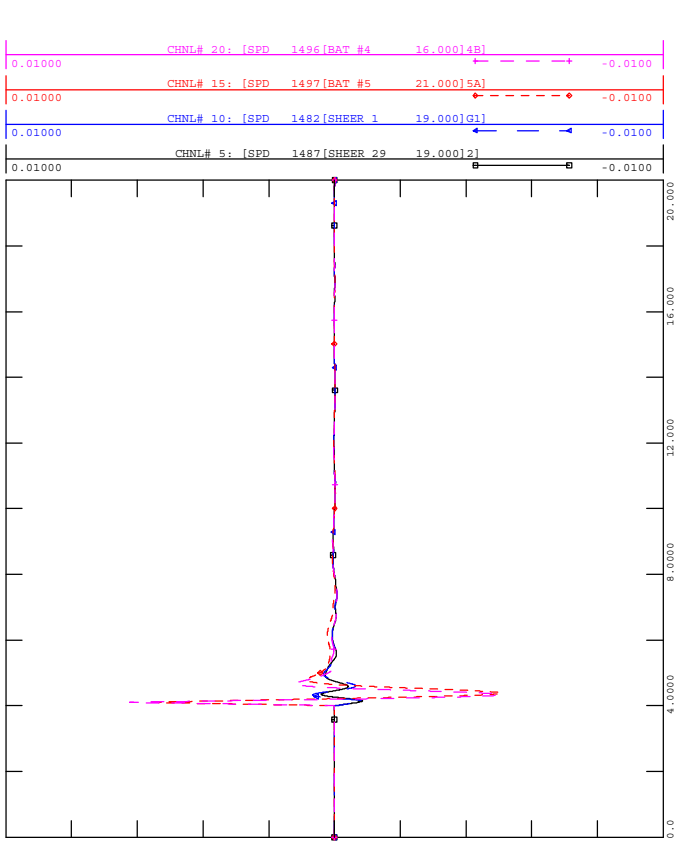


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:06

MACHINE SPEED

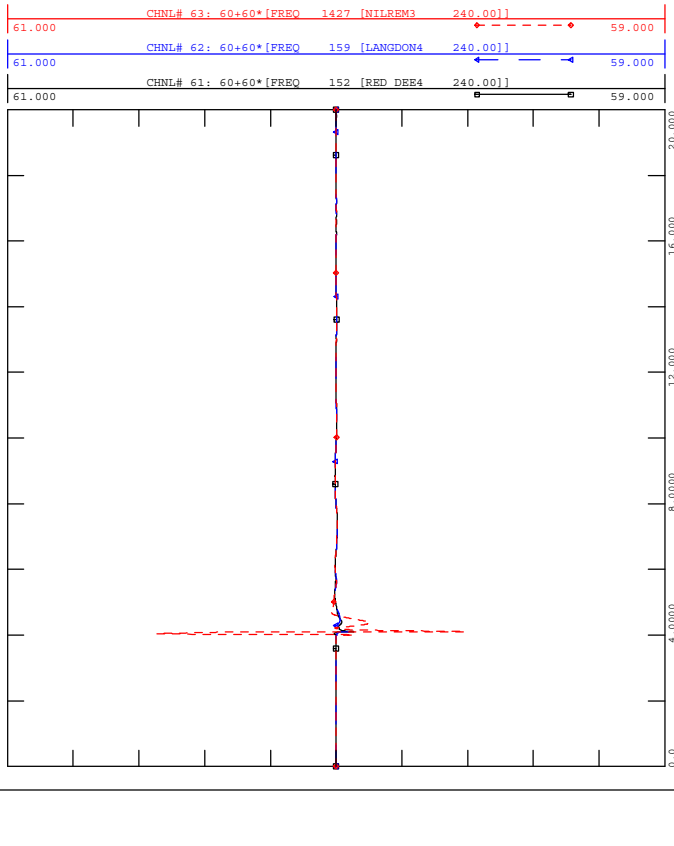


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:05

FREQUENCY

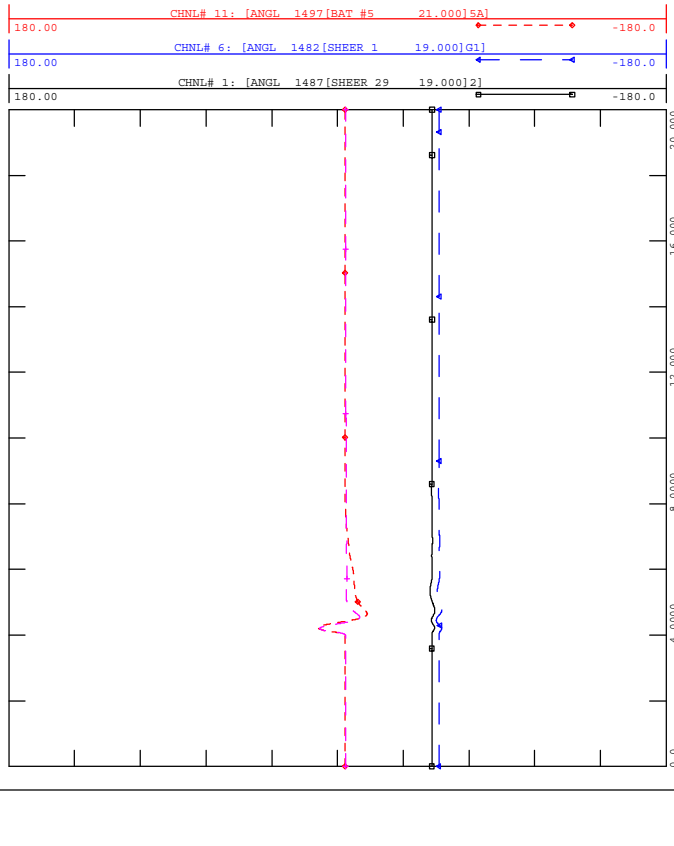


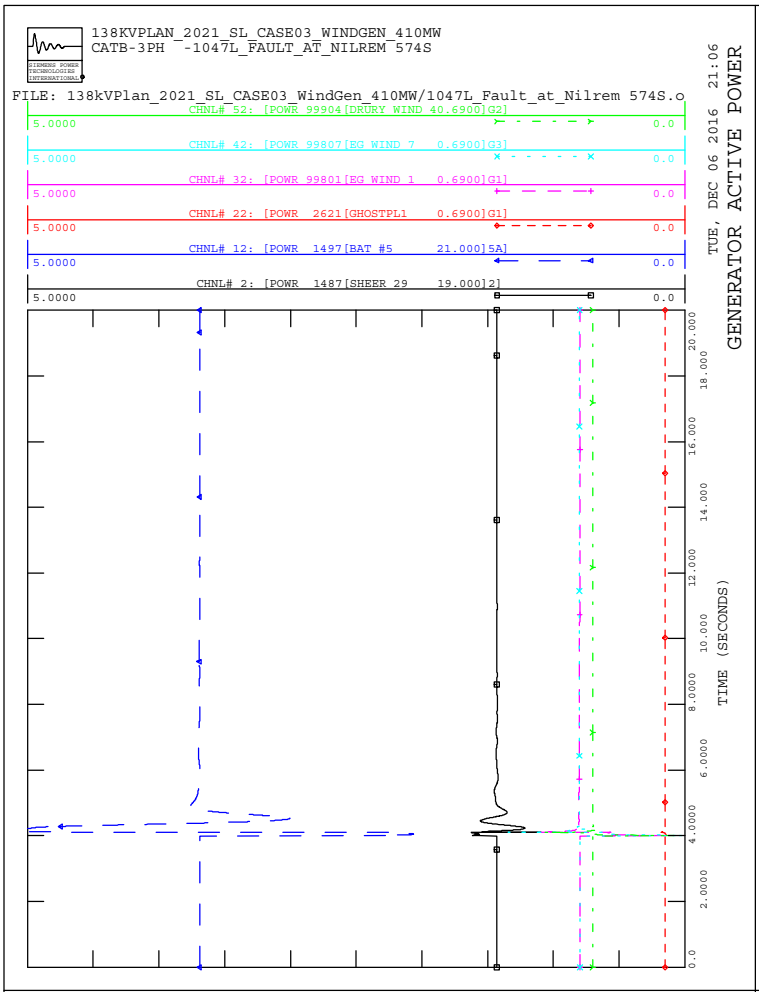
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

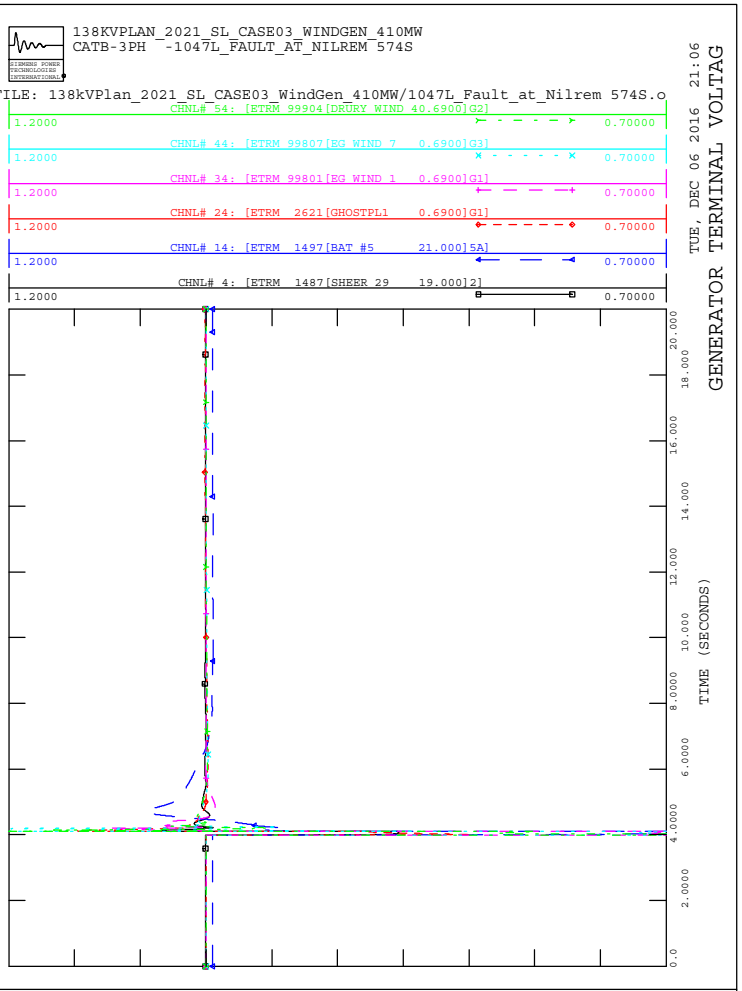
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o

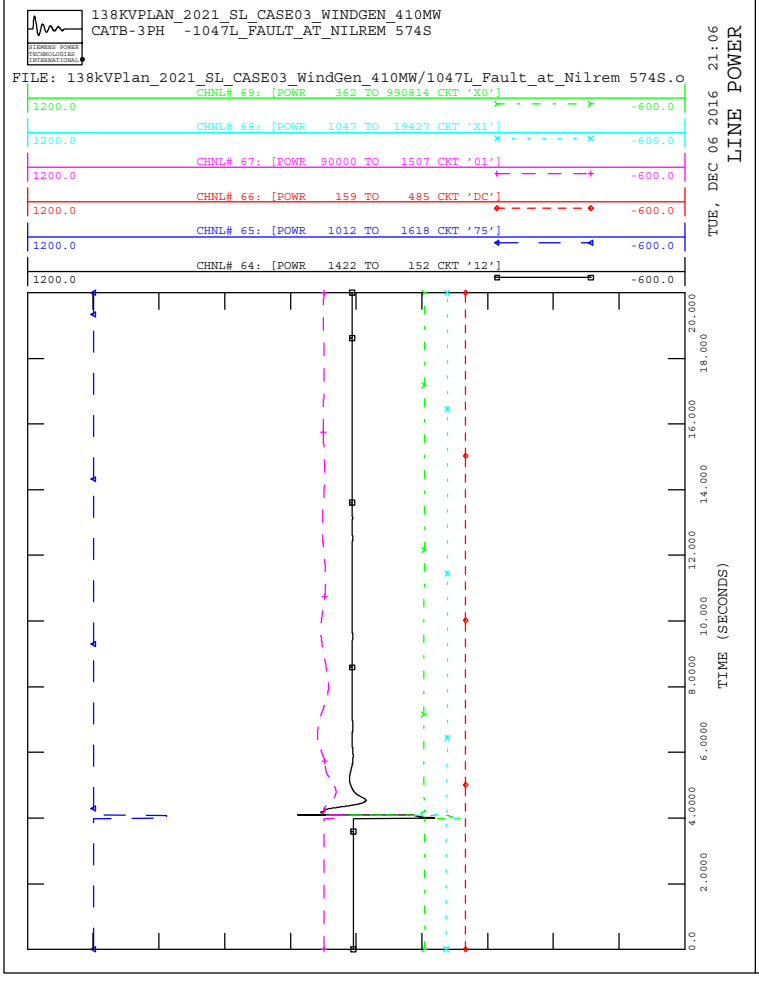
TUE, DEC 06 2016 21:06

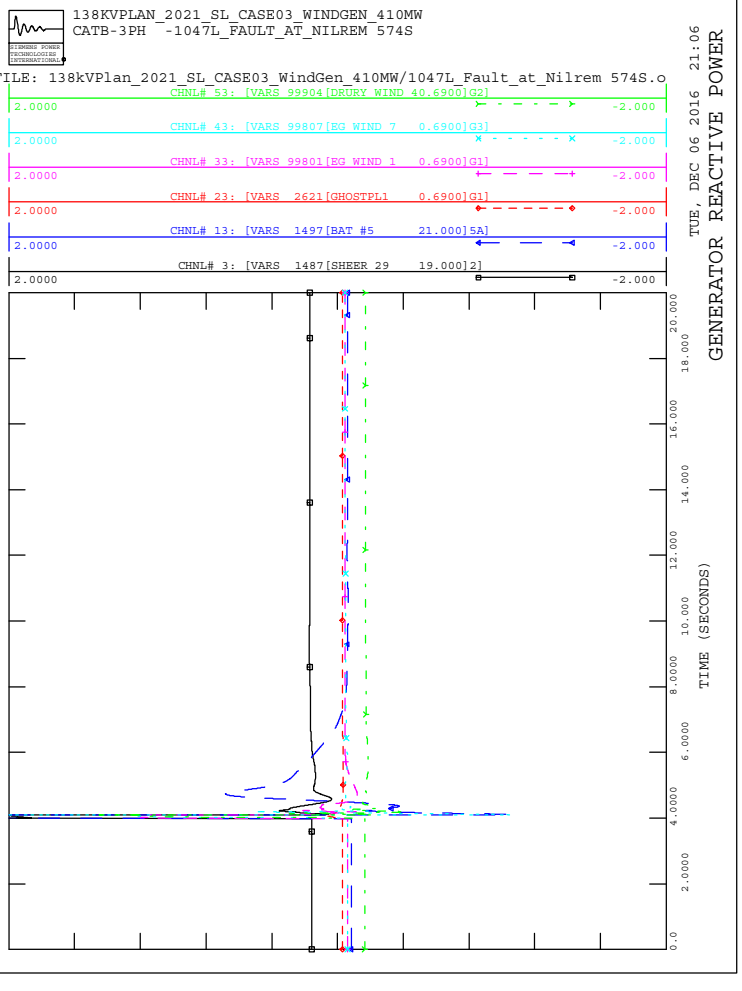
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

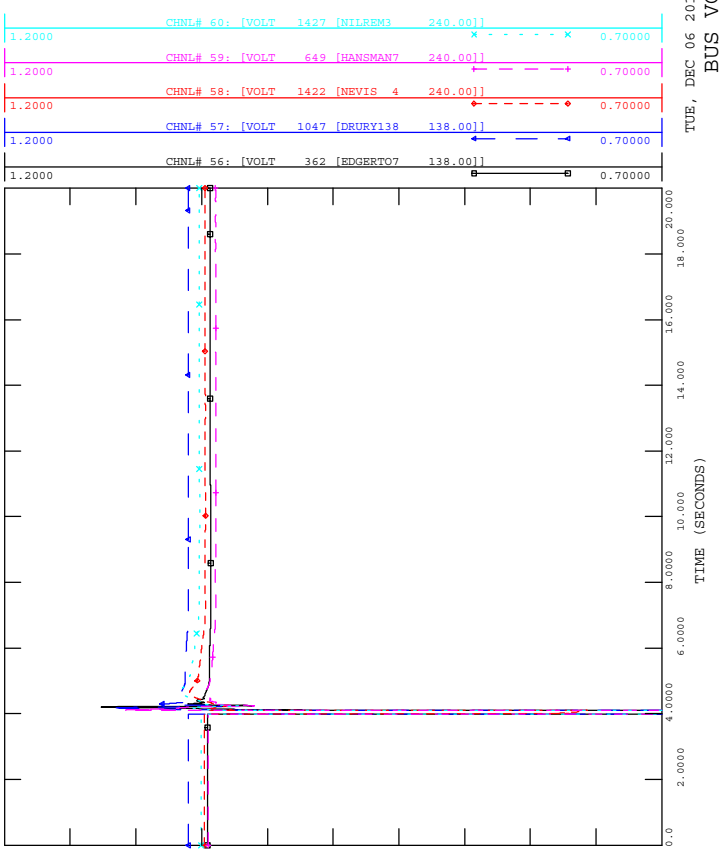

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

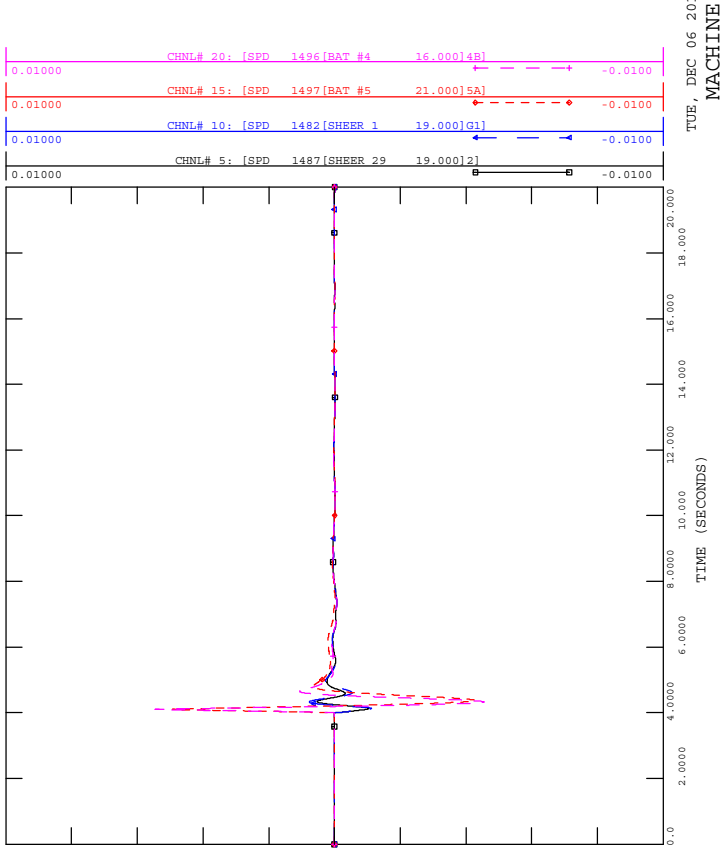
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:06
BUS VOLTAGE

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

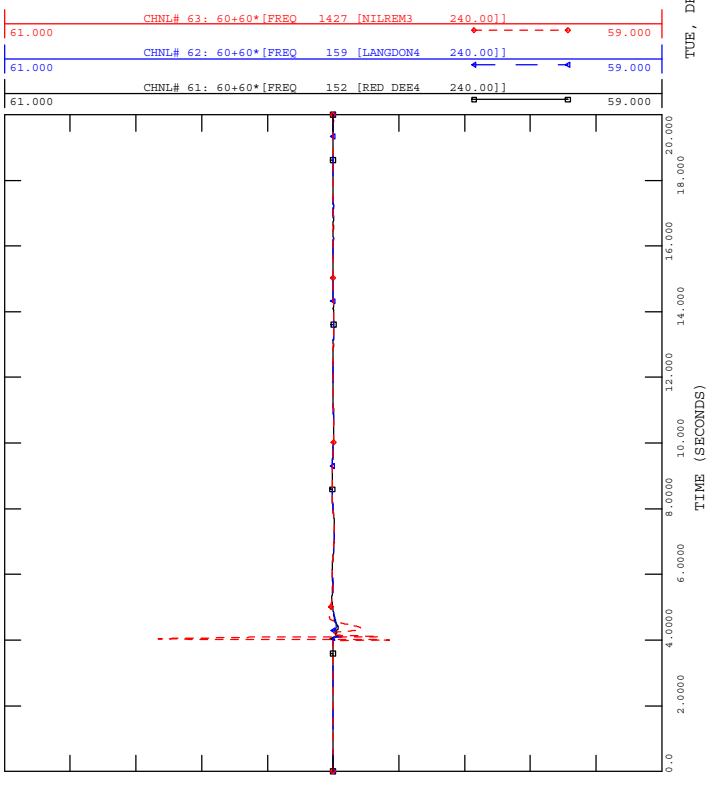
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:06
MACHINE SPEED

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

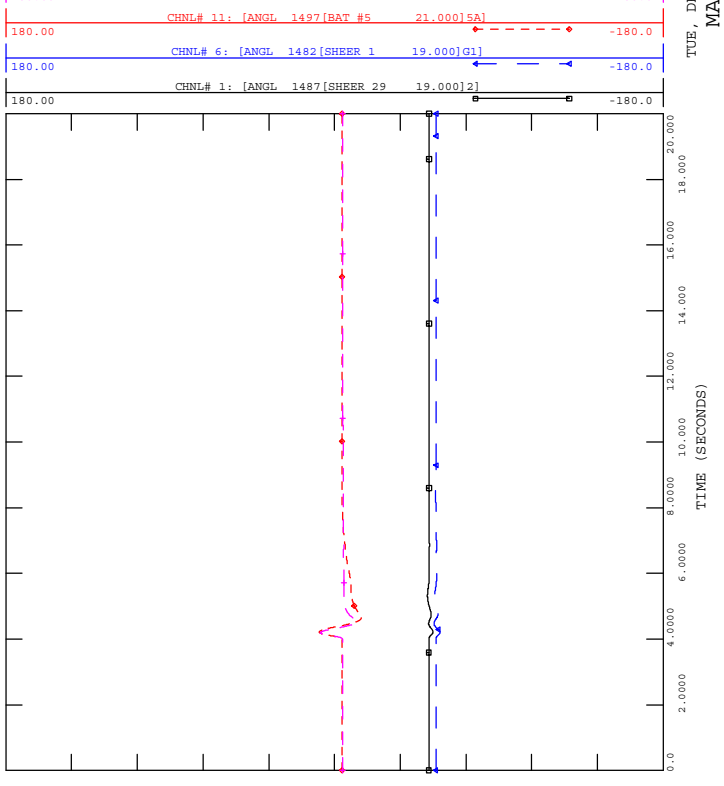
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:06
FREQUENCY

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake



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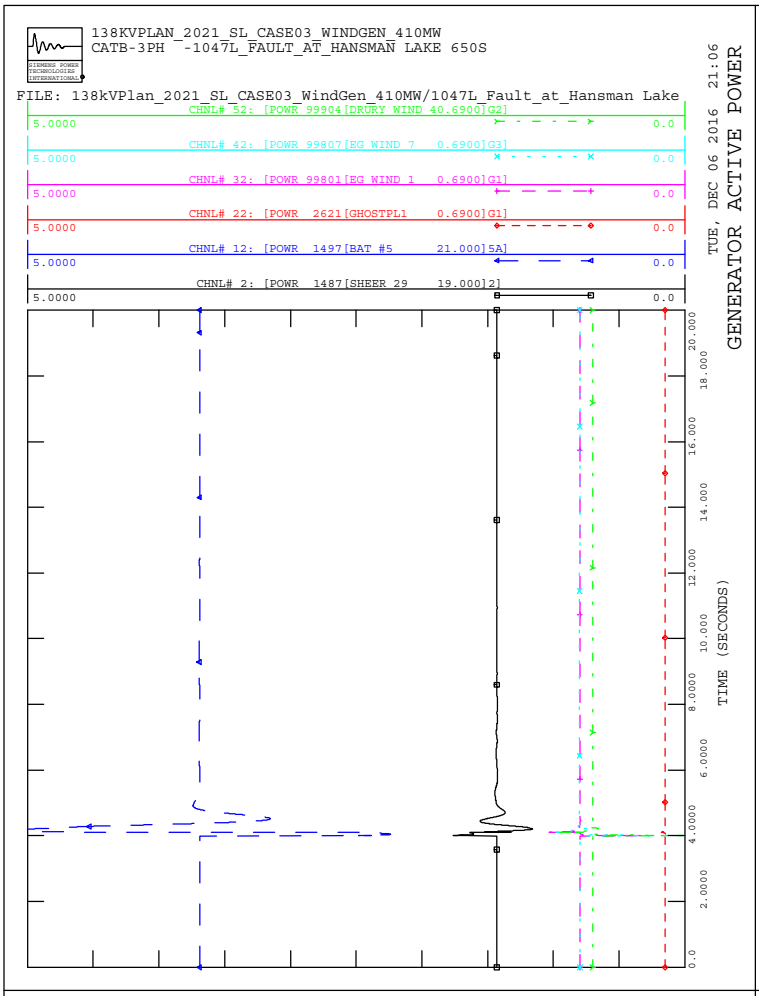
MACHINE ANGLE


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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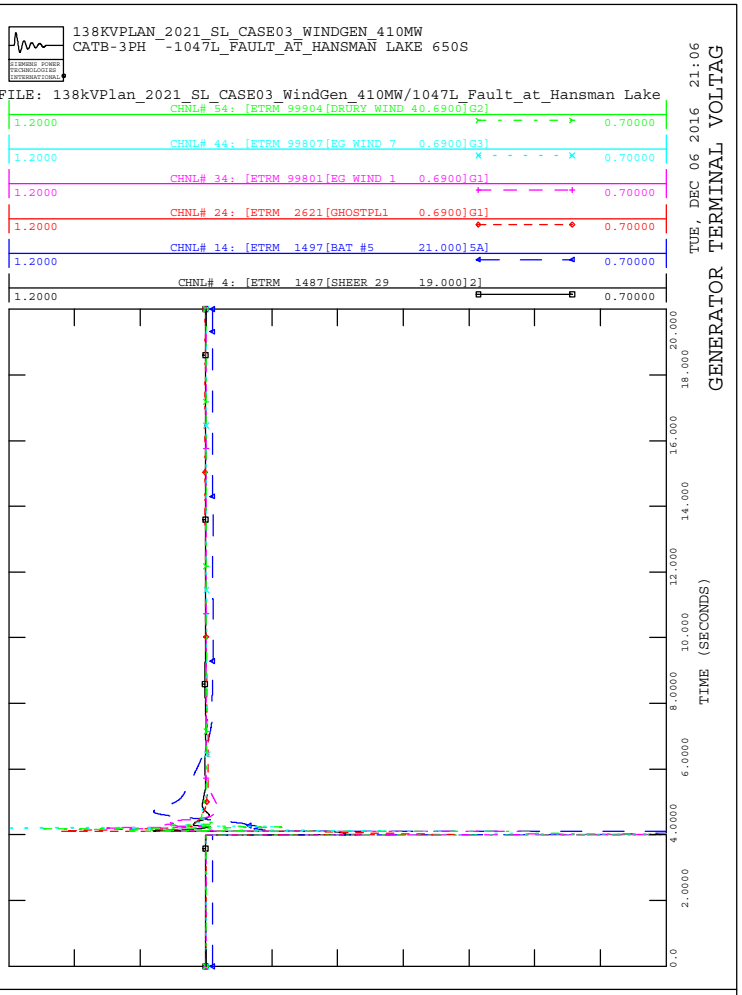
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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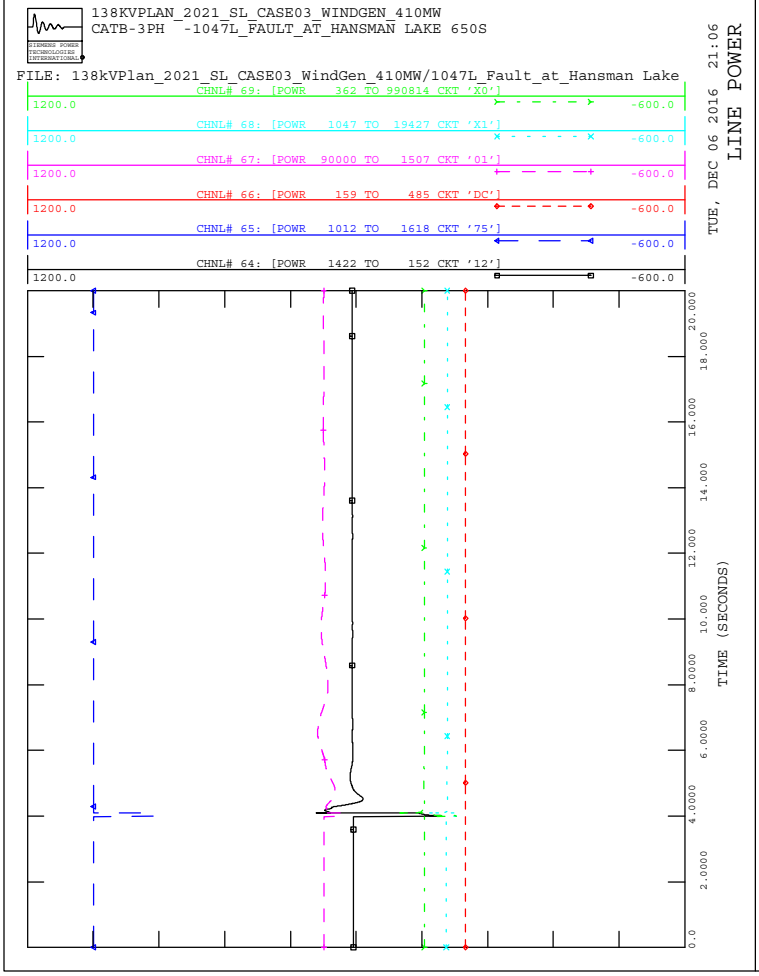
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
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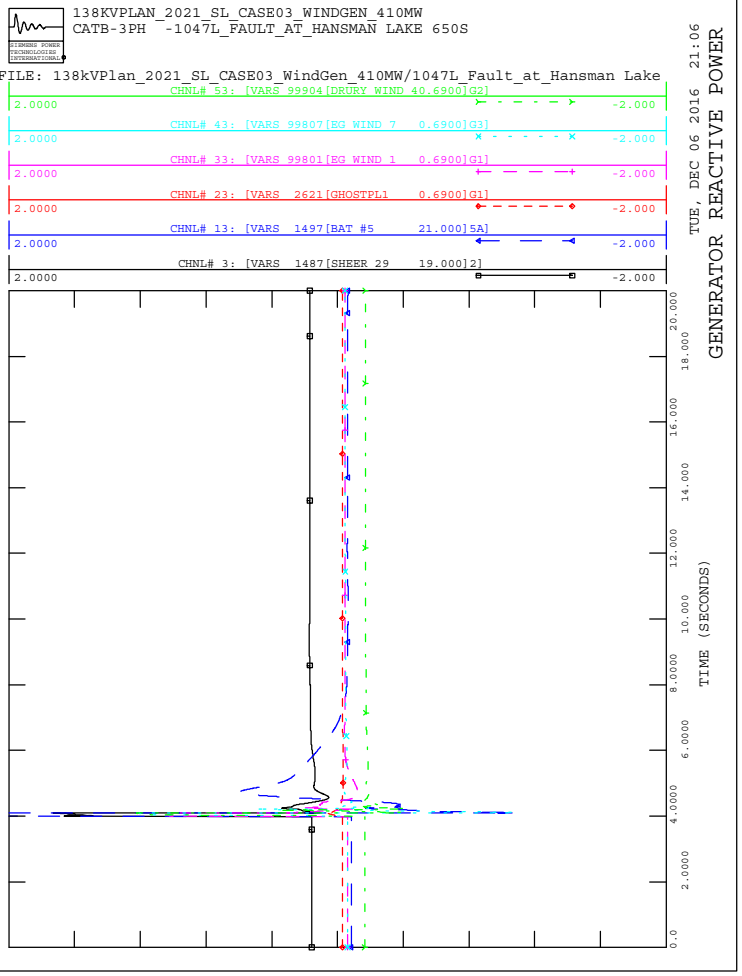
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
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14.000
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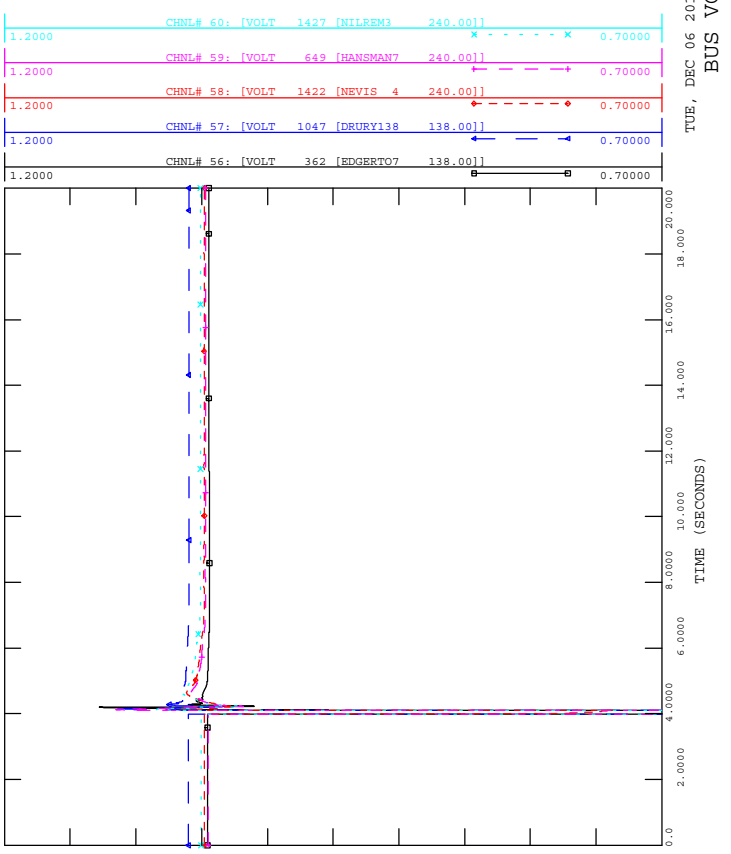
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:06

BUS VOLTAGE

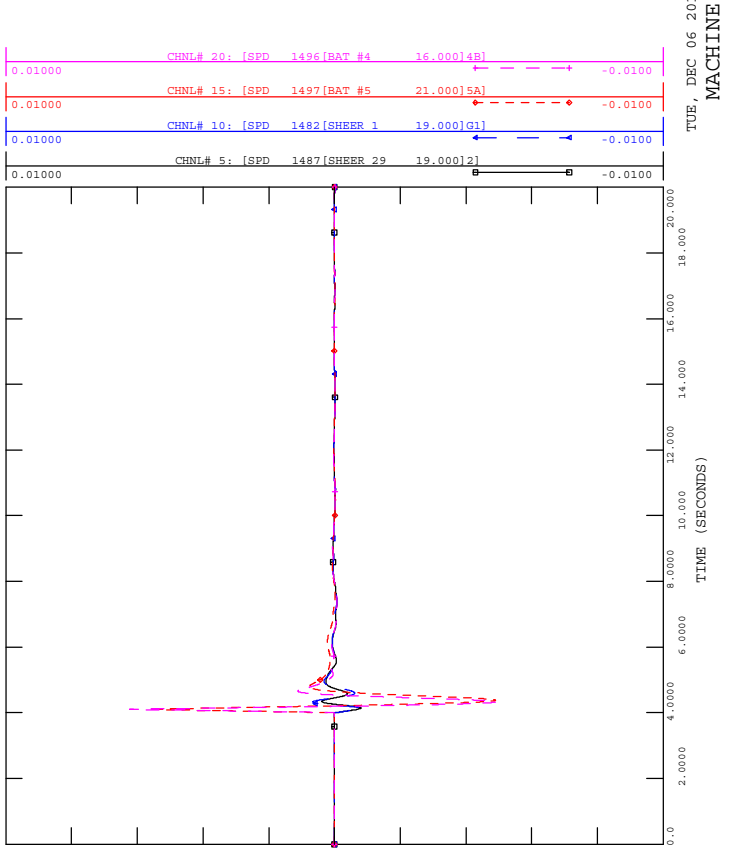


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:06

MACHINE SPEED

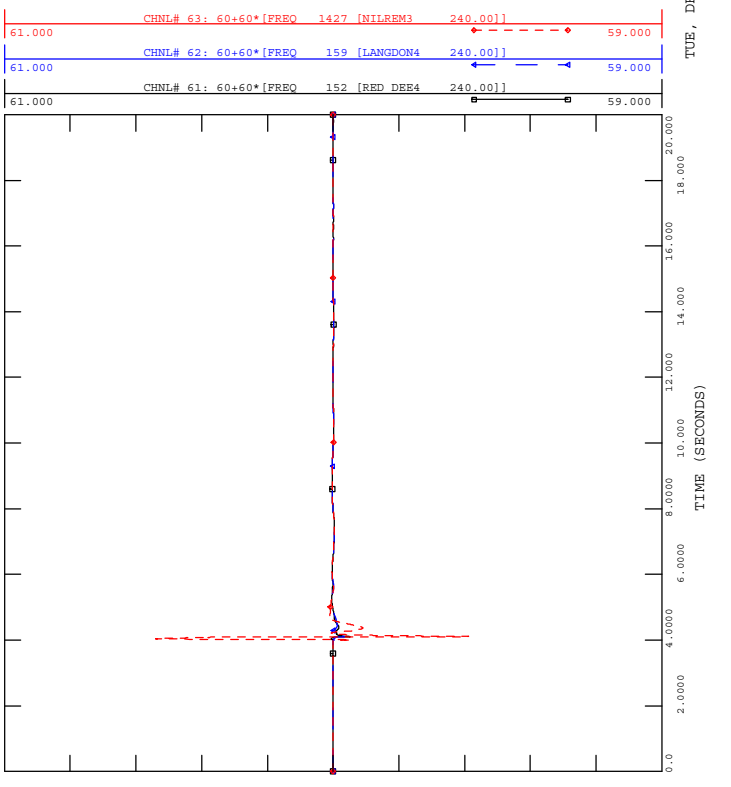


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:06

FREQUENCY

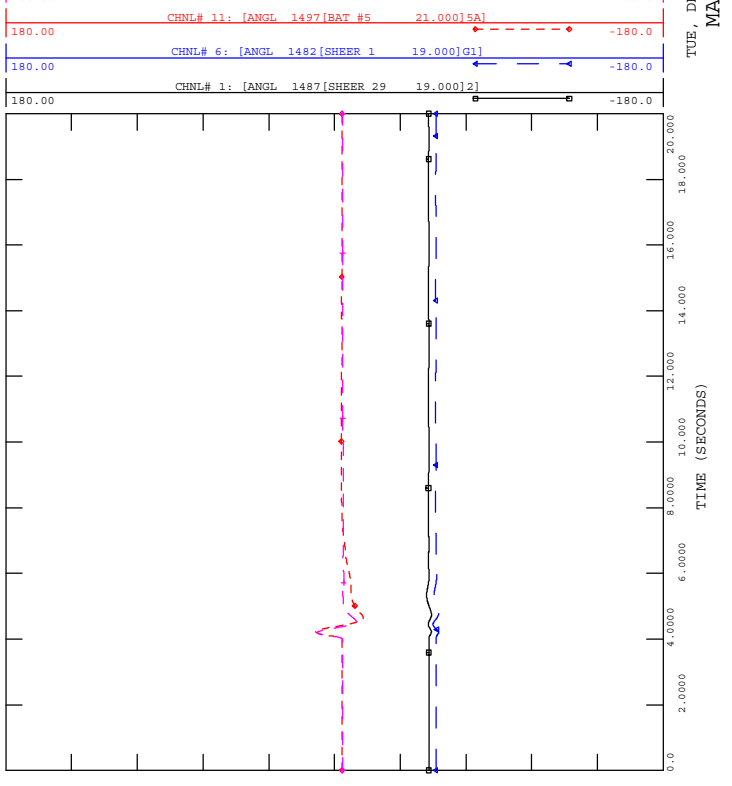


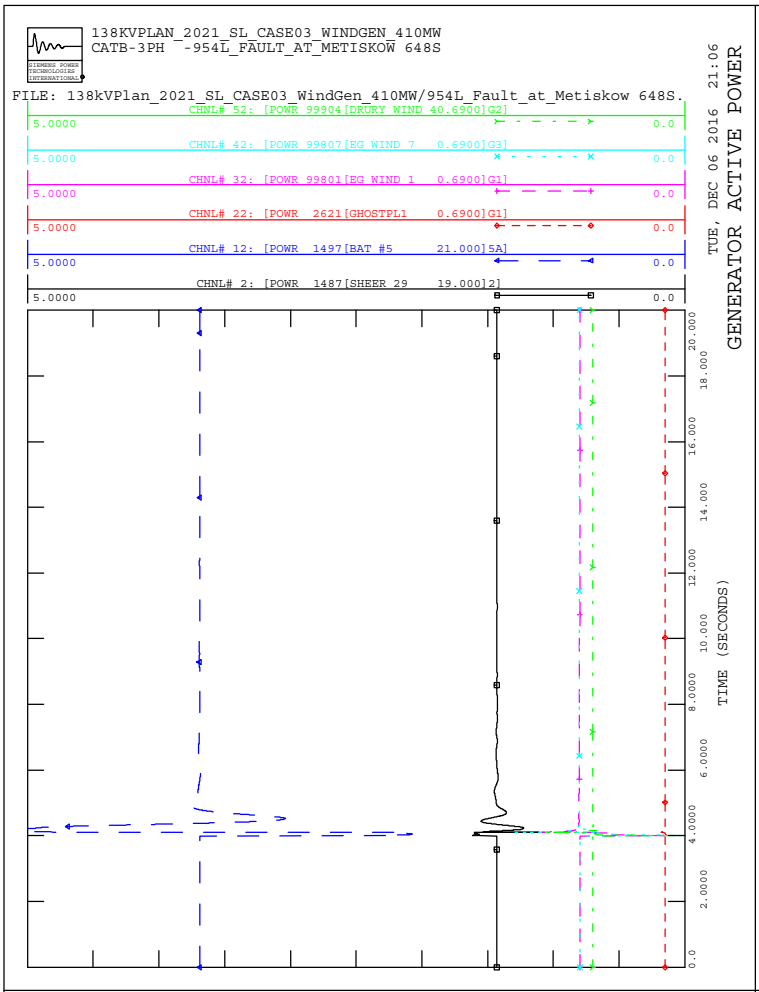
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:06

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
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8.0000
10.000
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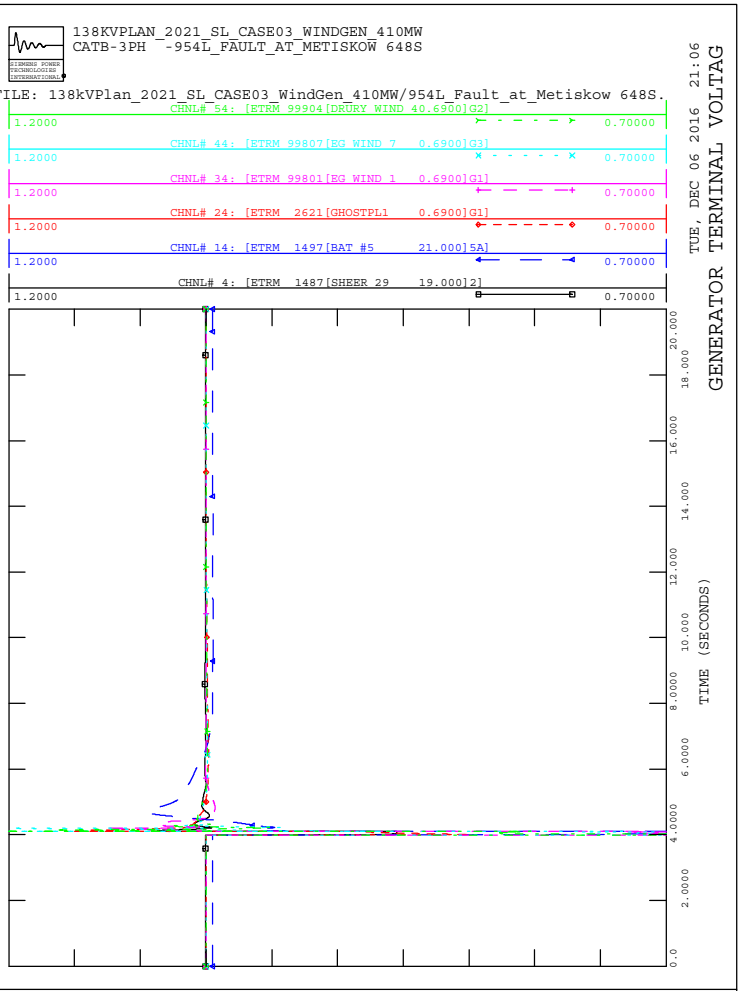
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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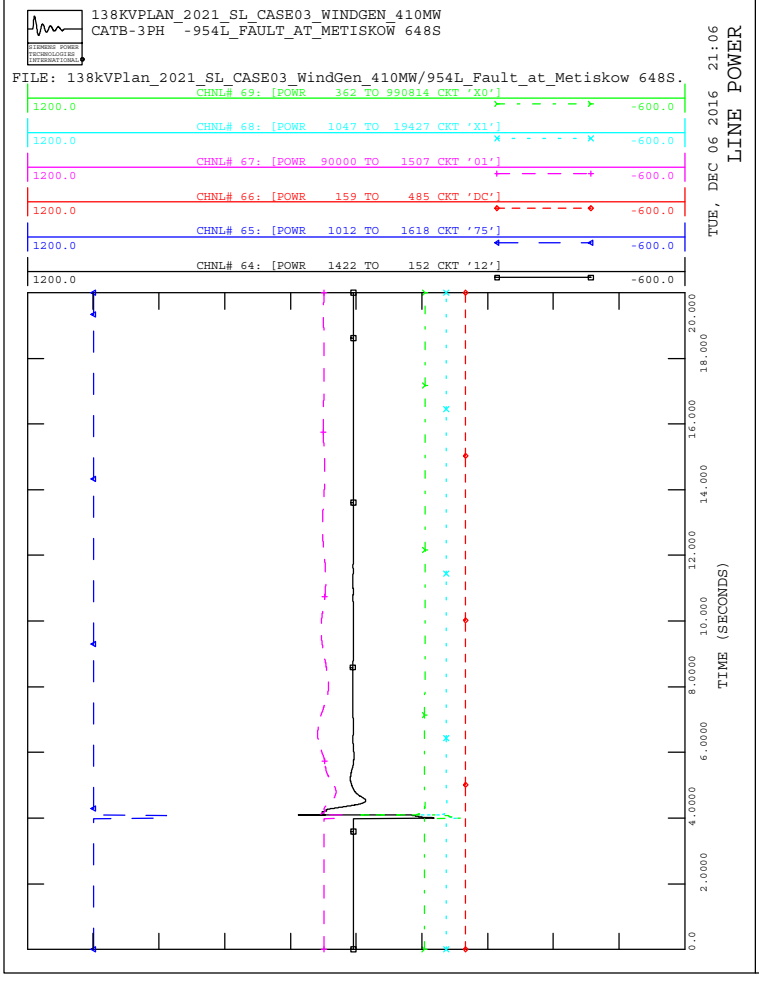
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
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4.0000
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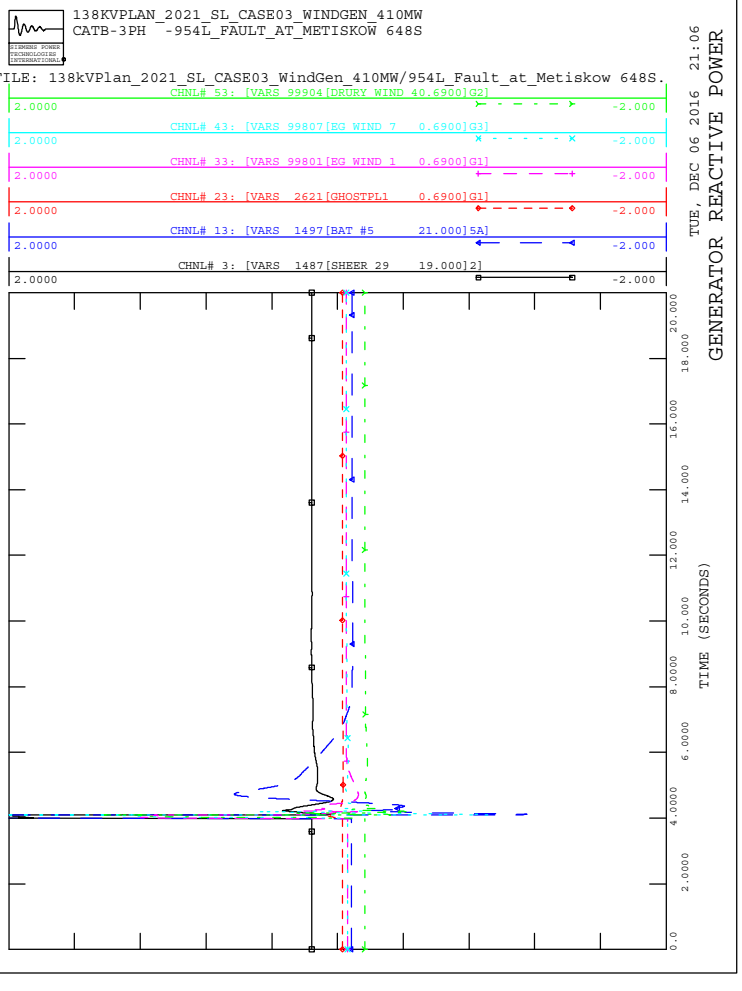
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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12.000
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16.000
18.000
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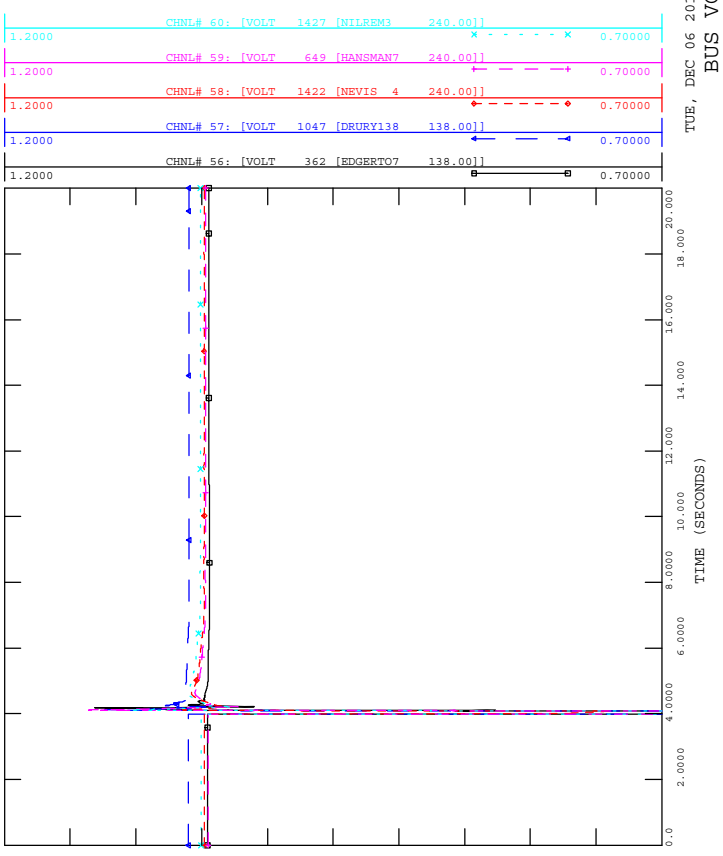
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:06

BUS VOLTAGE

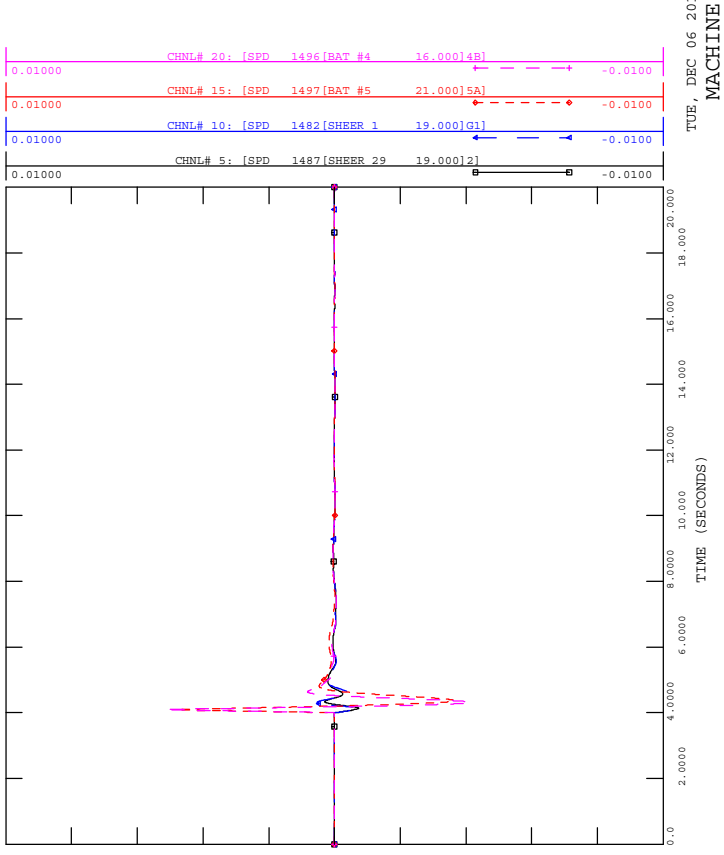


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:06

MACHINE SPEED

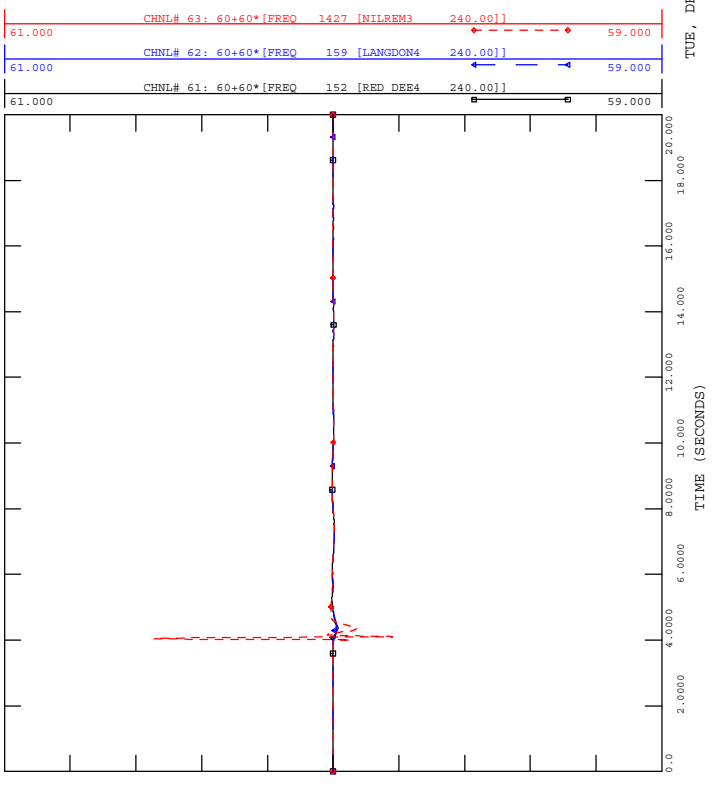


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:06

FREQUENCY

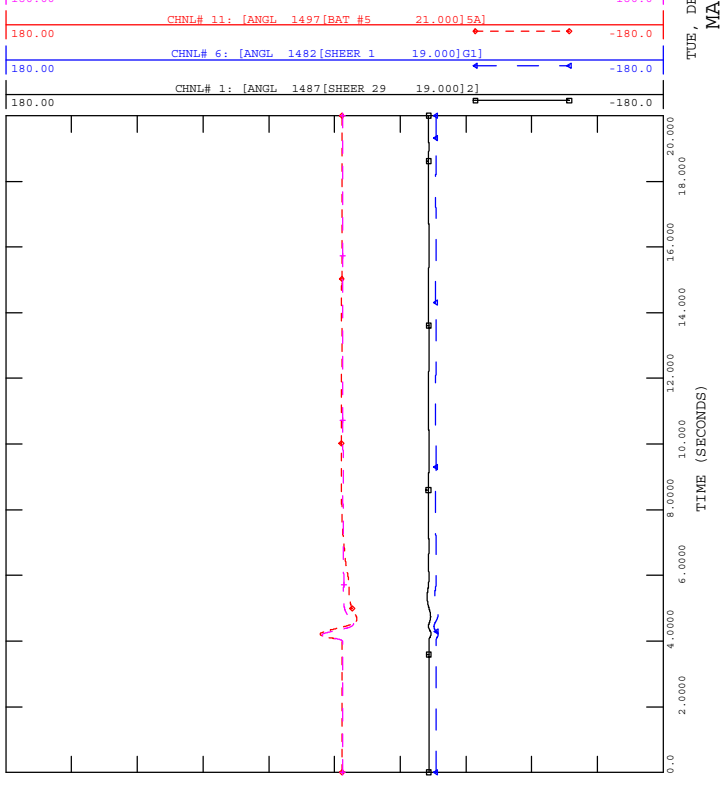


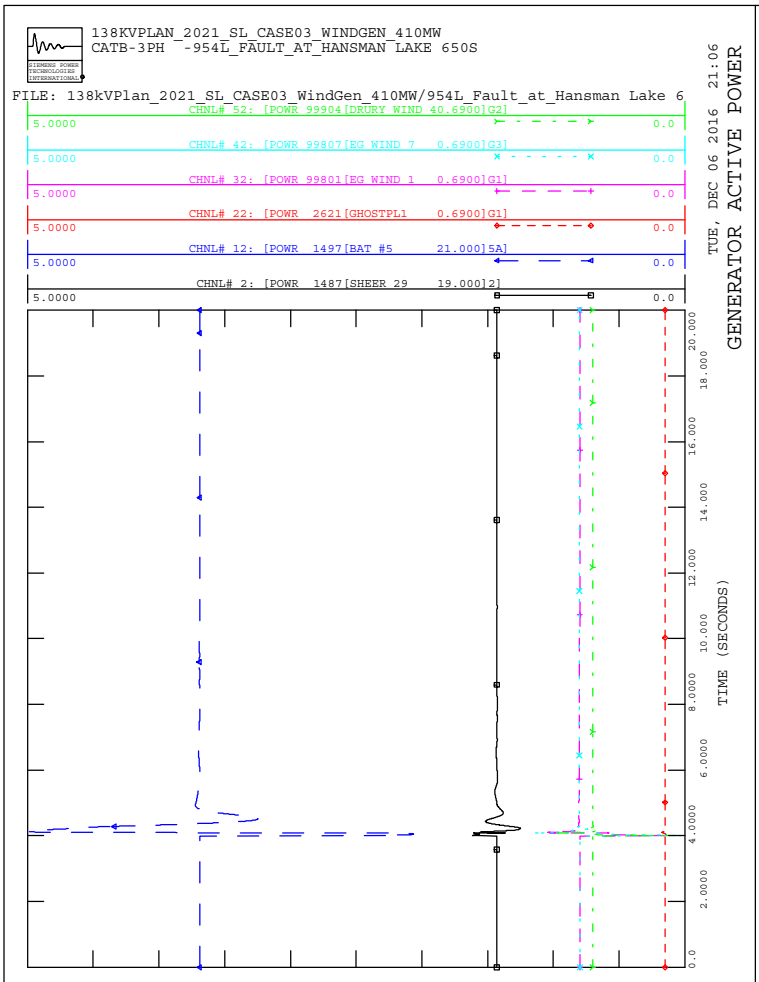
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:06

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
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6.0000
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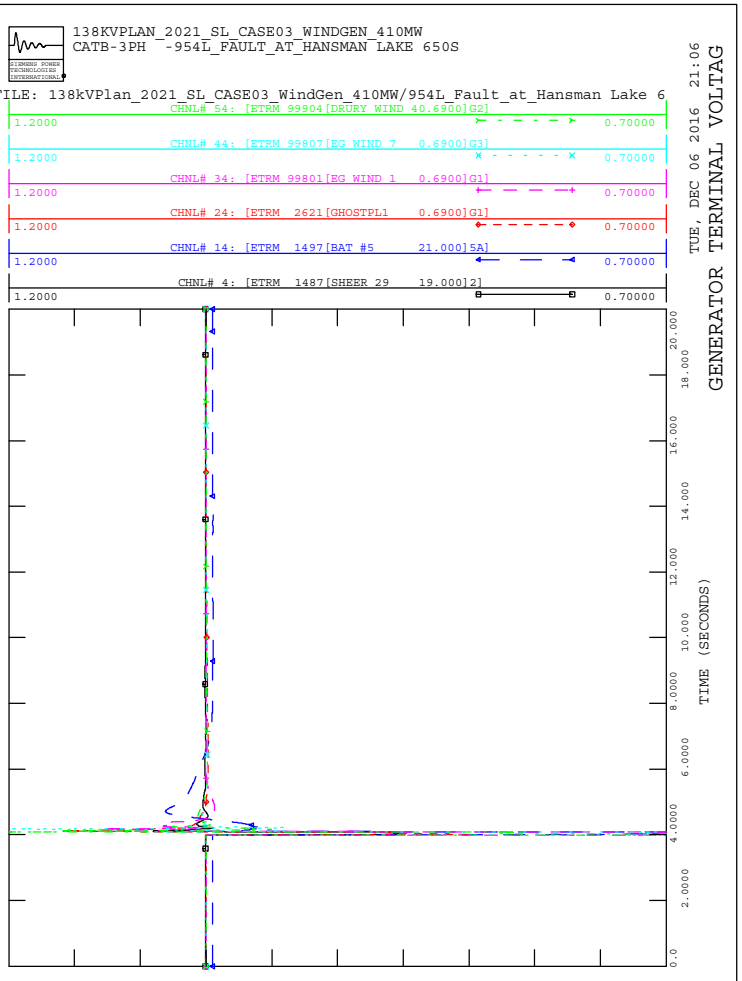
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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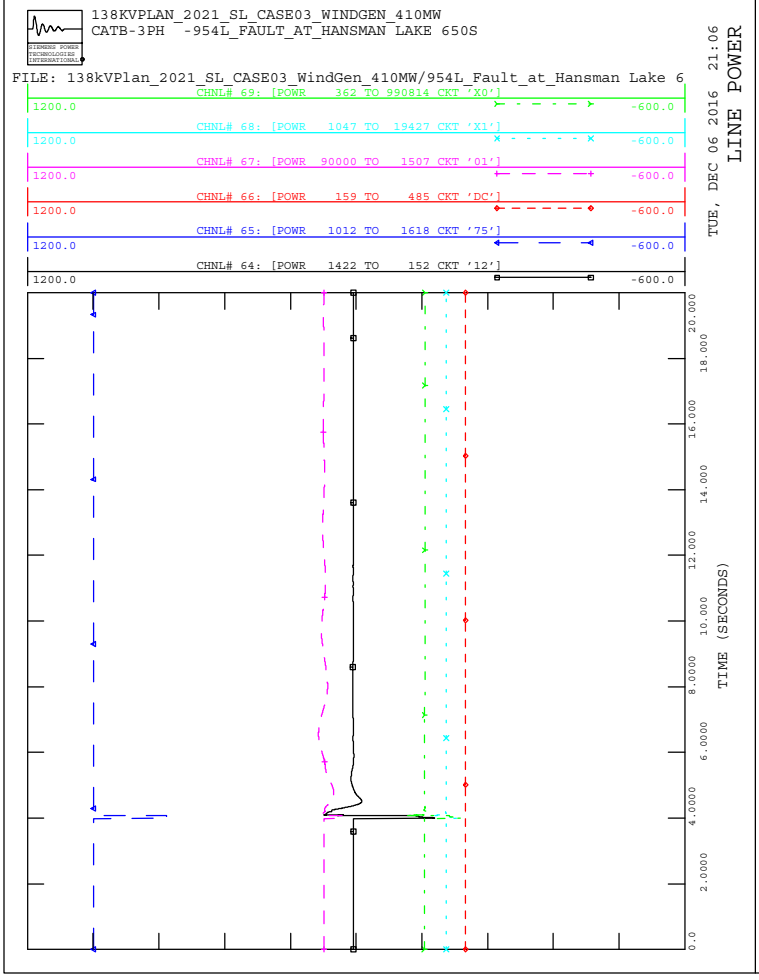
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
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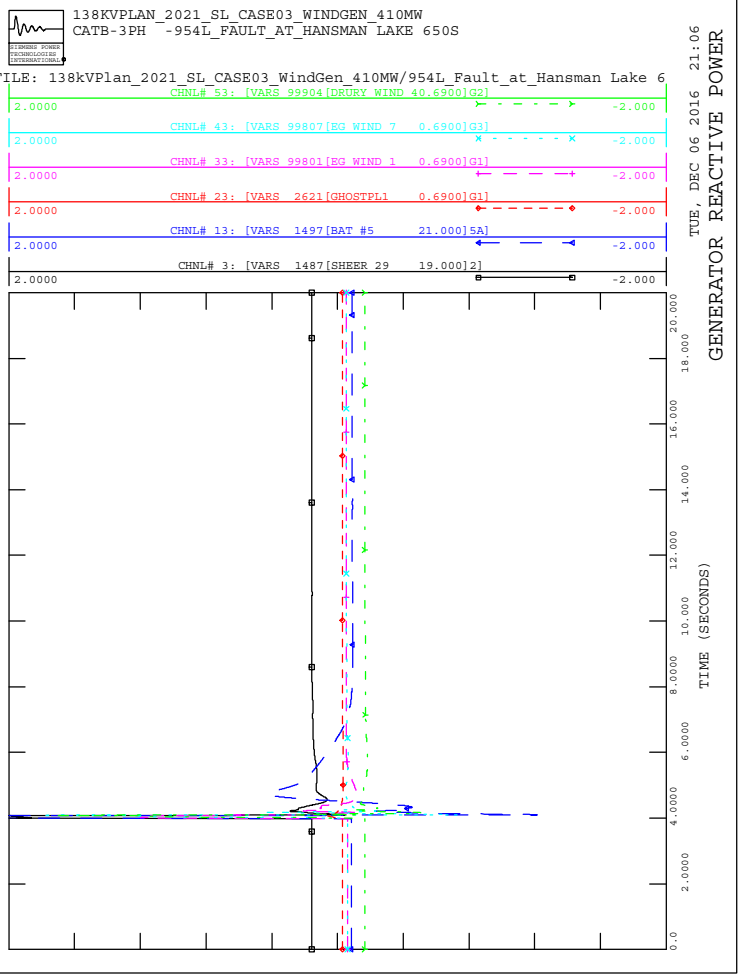
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
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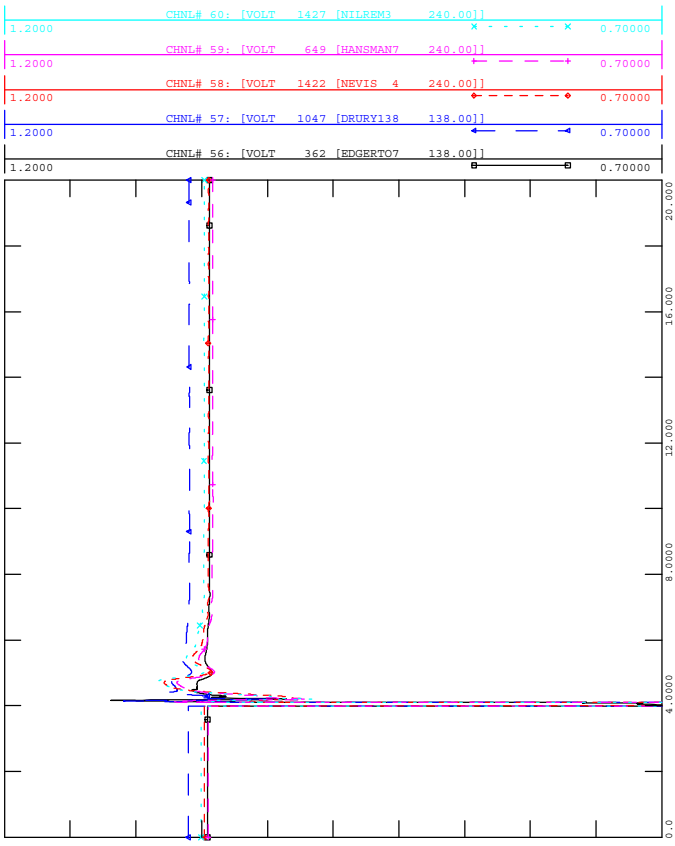
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:06

BUS VOLTAGE

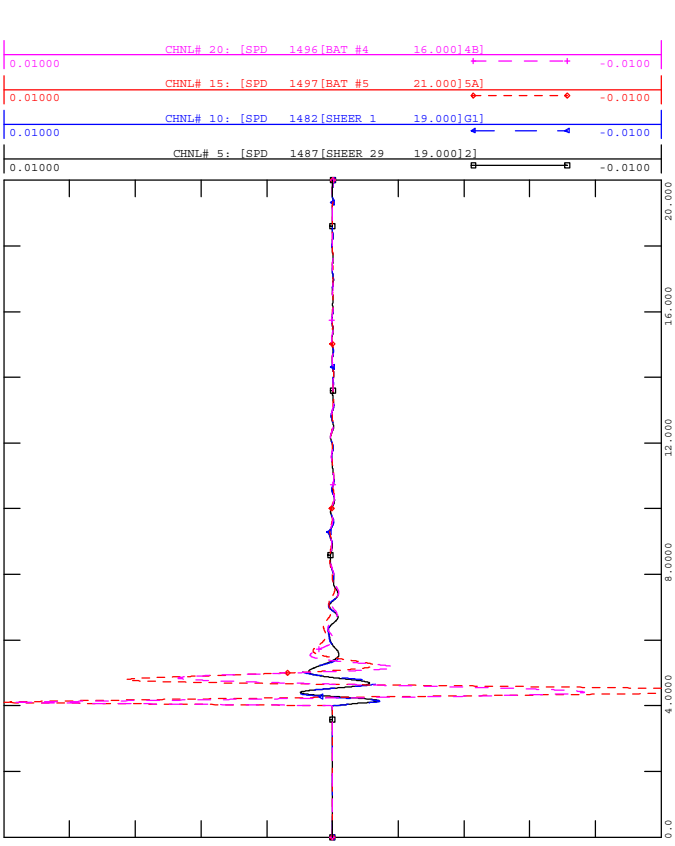


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:06

MACHINE SPEED

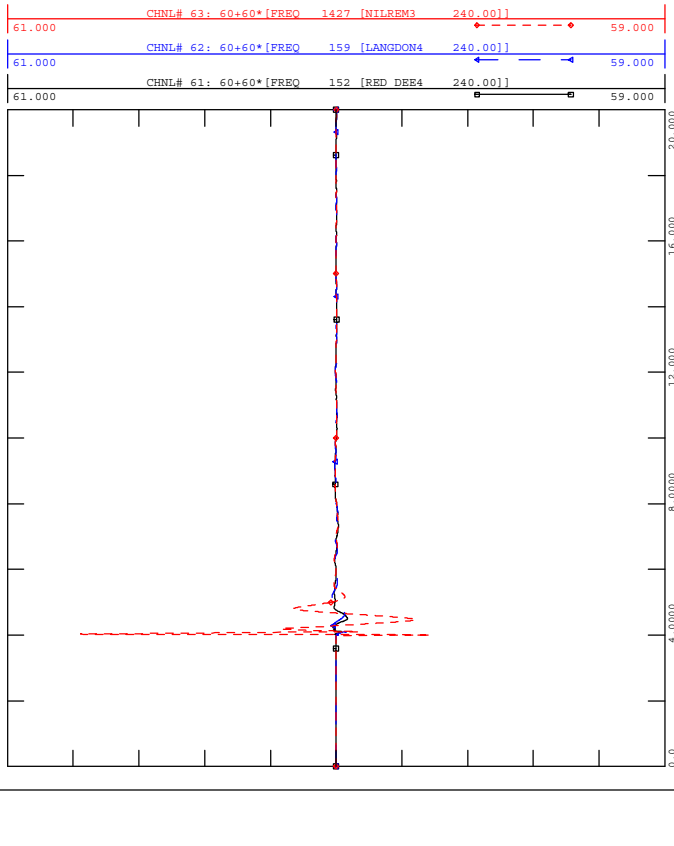


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:06

FREQUENCY

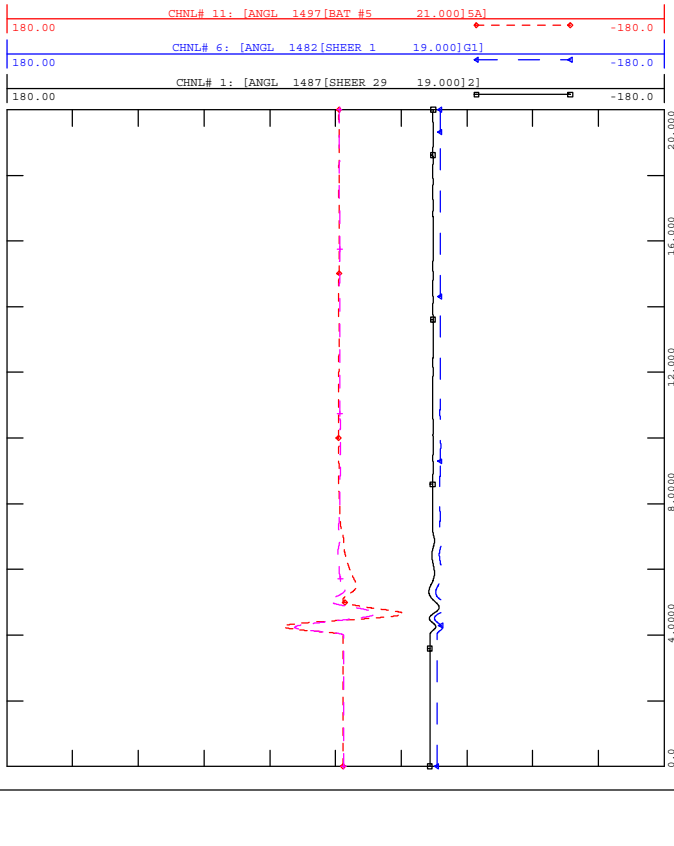


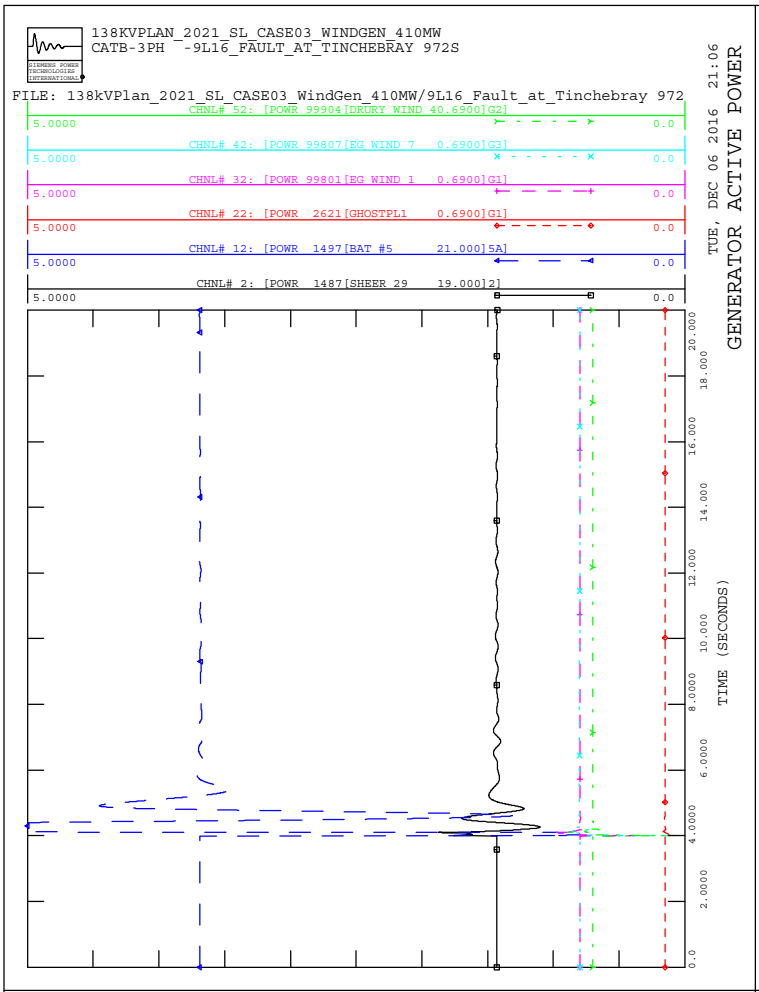
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:06

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
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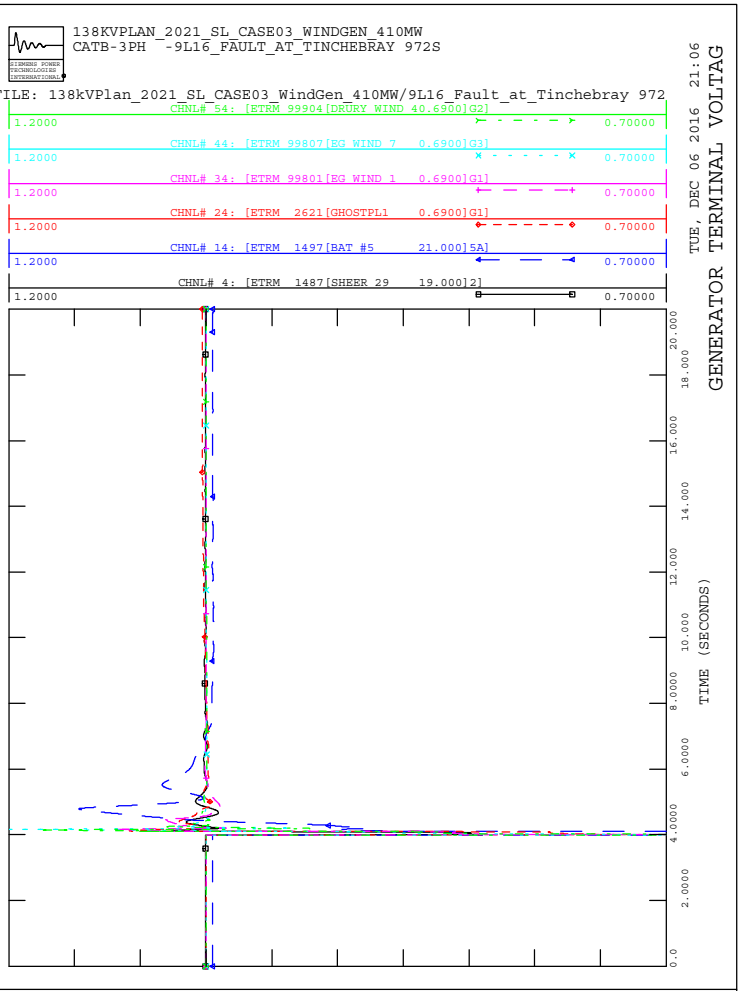
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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0.70000
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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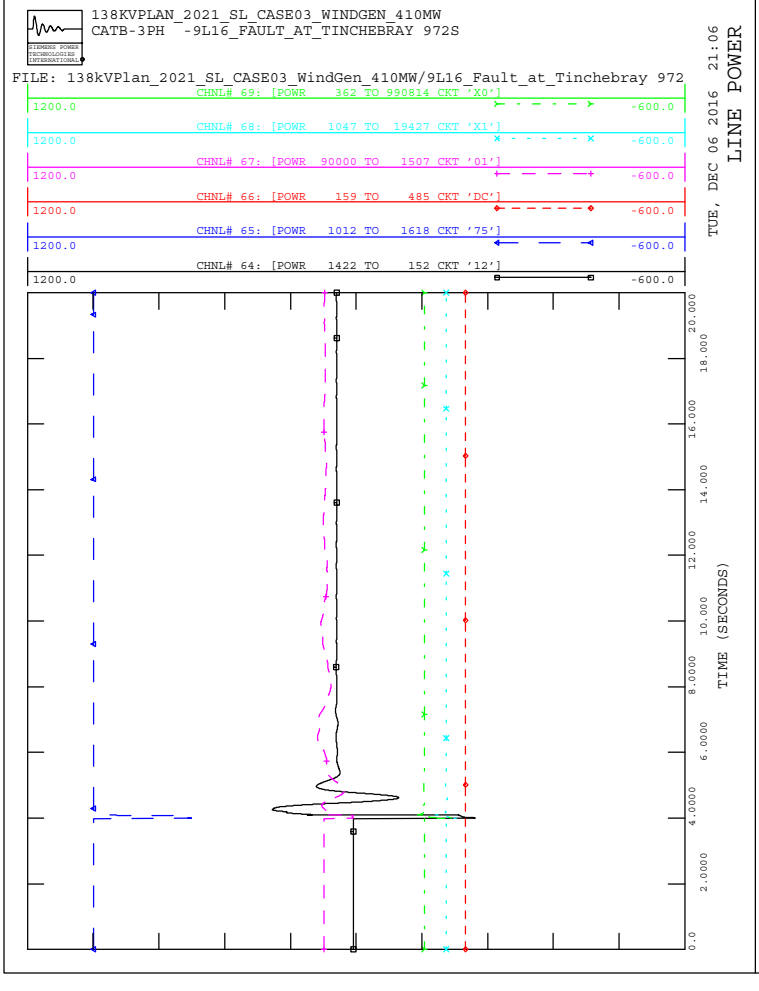
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
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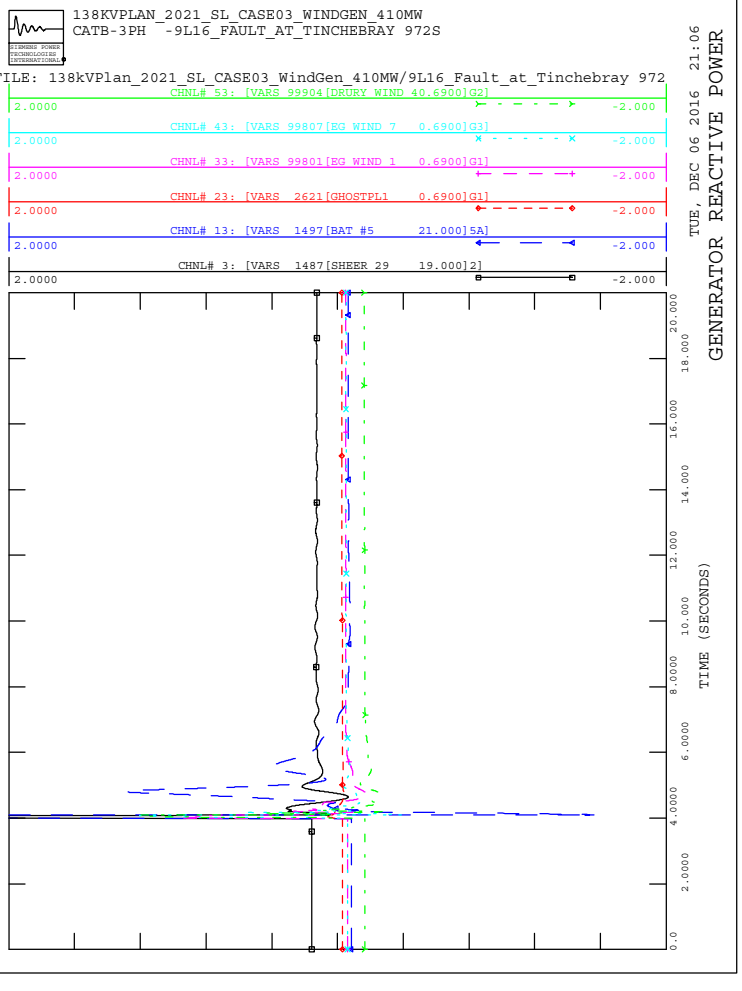
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
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138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000

CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000

CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000

CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000

CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100

CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100

CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100

CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000

CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000

CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

MACHINE ANGLE

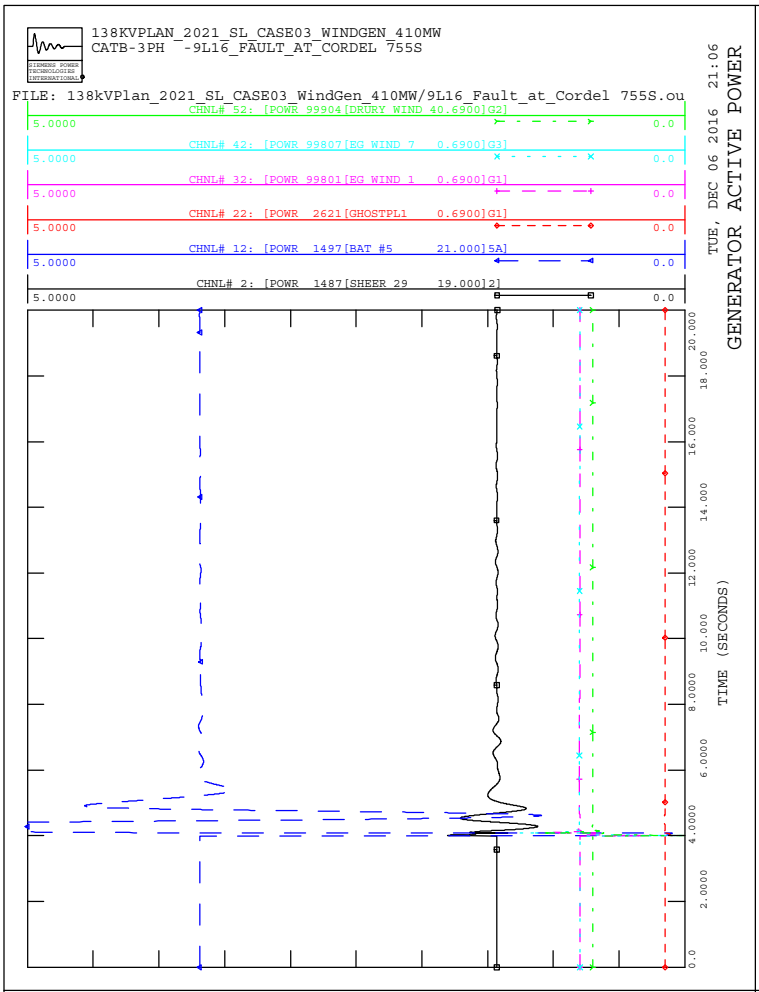
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0

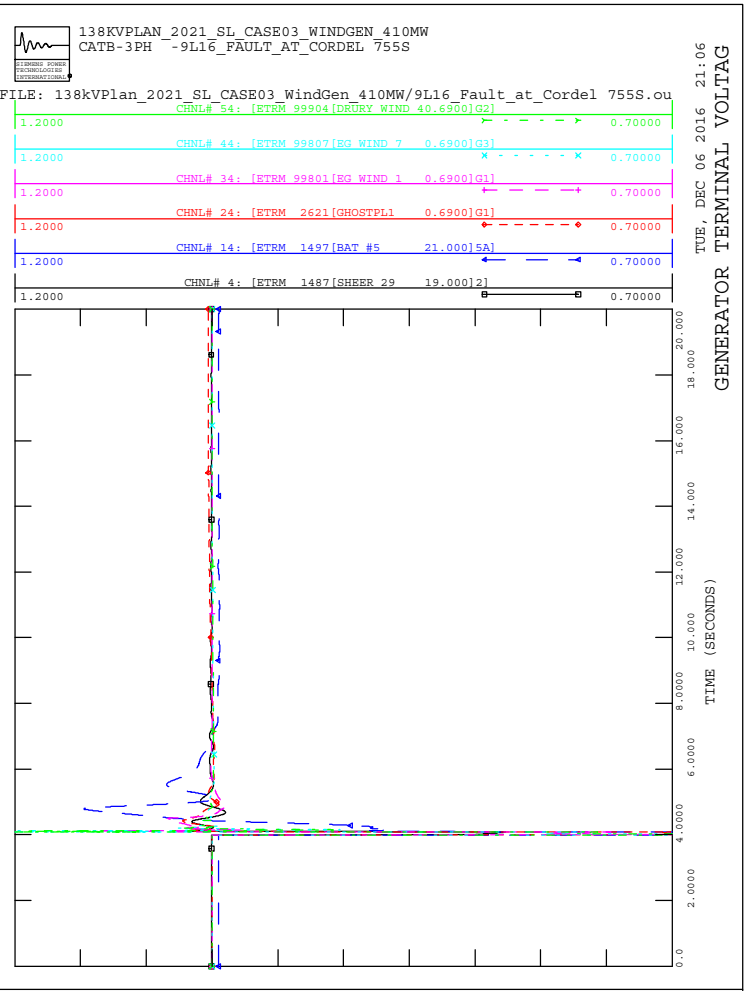
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0

CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0

CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)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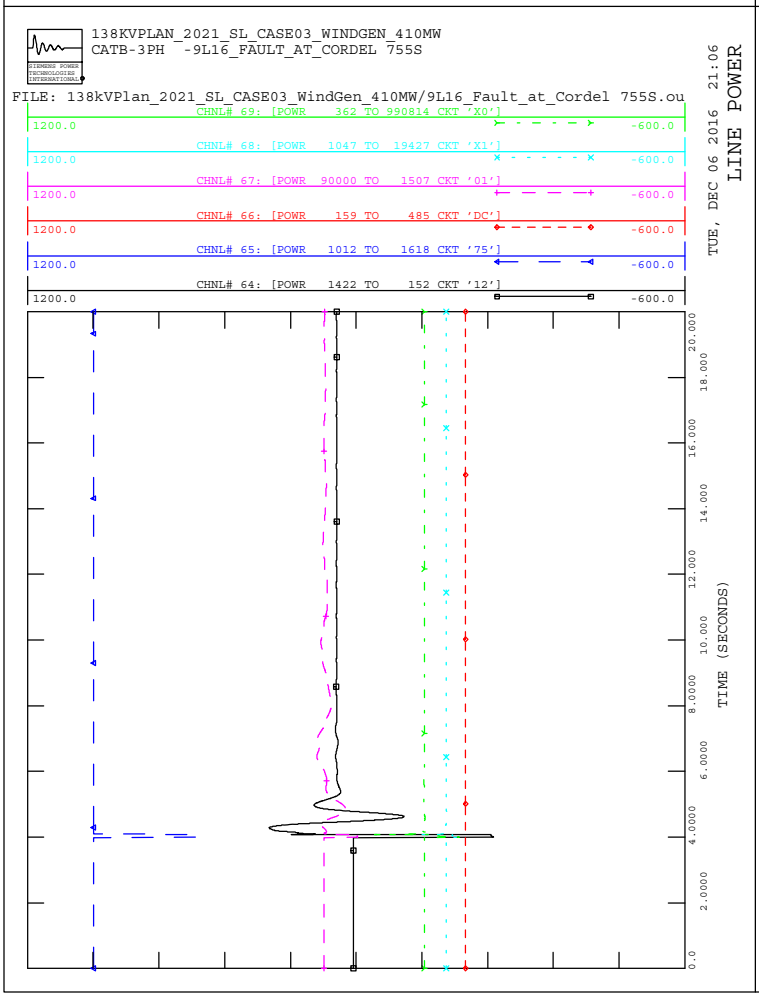
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)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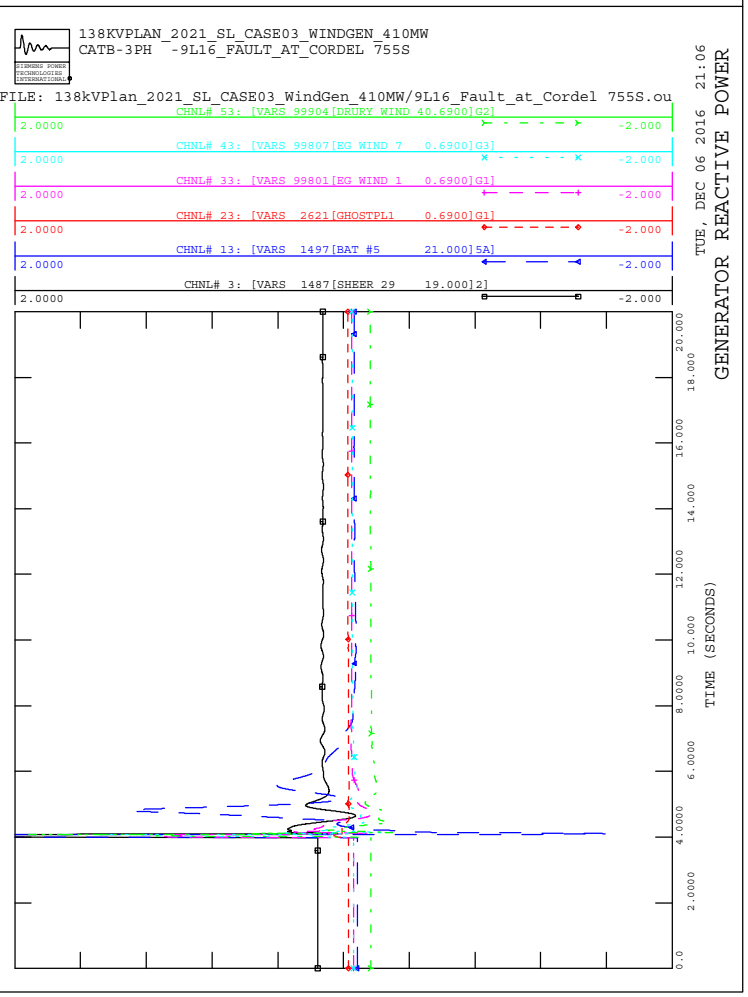
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)

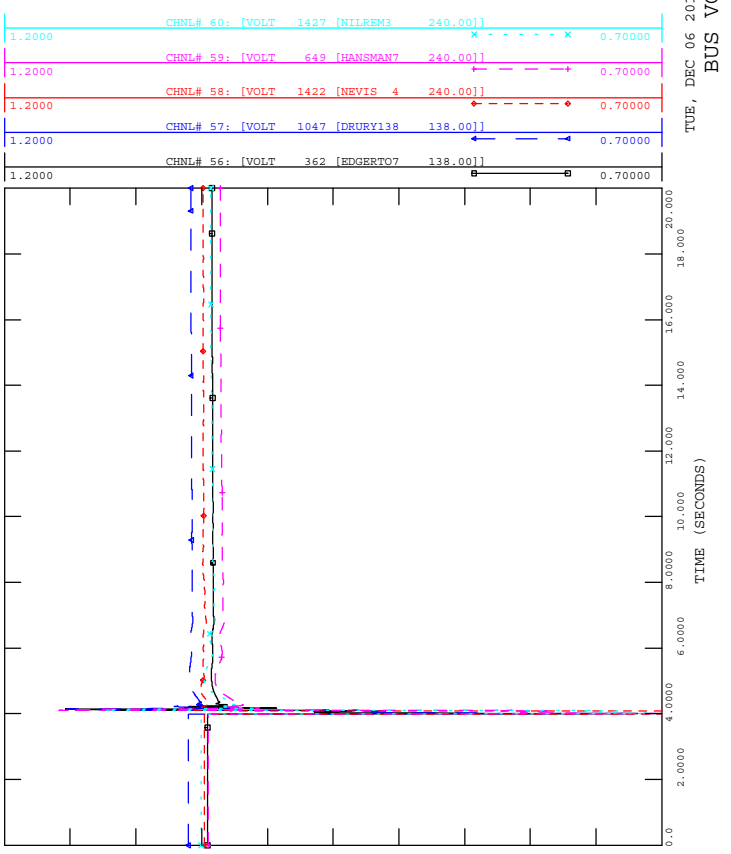

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:06

BUS VOLTAGE

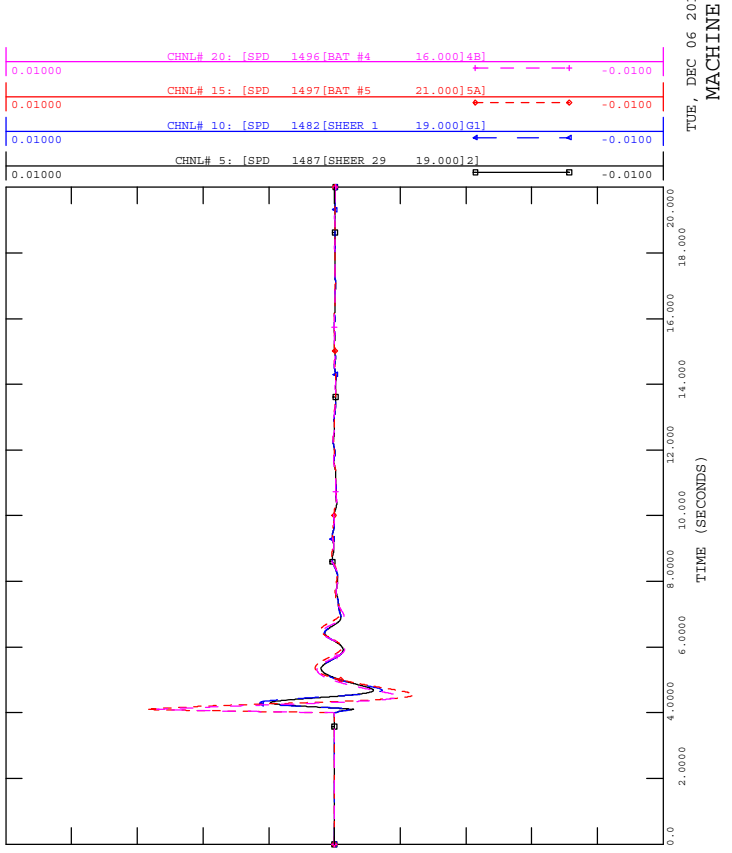


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:06

MACHINE SPEED

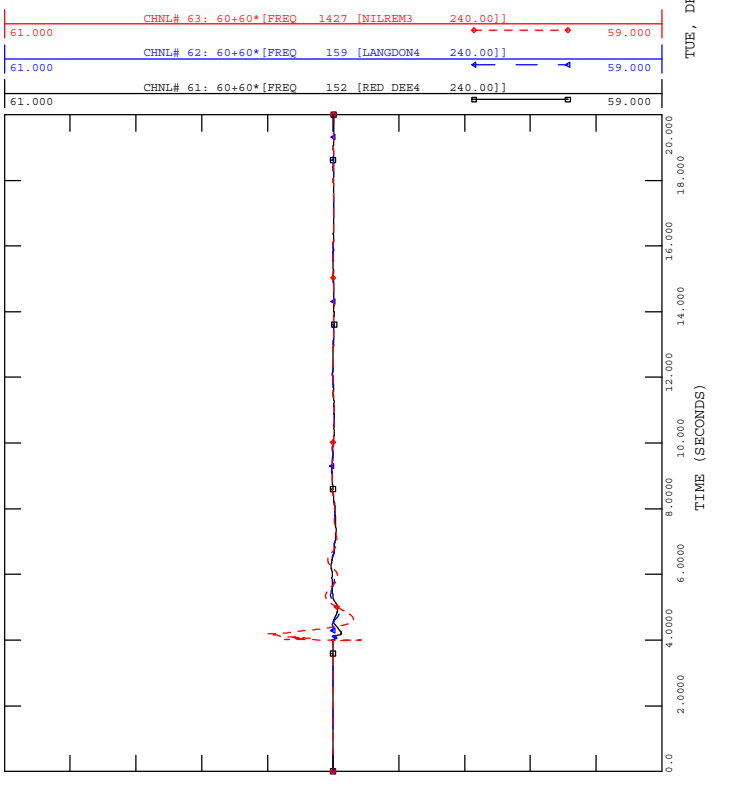


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:06

FREQUENCY

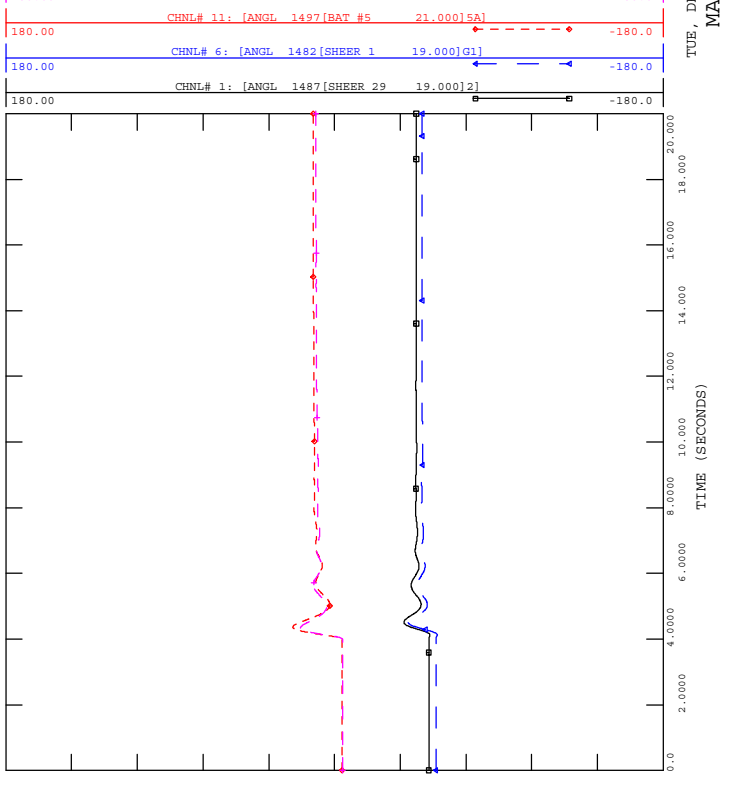


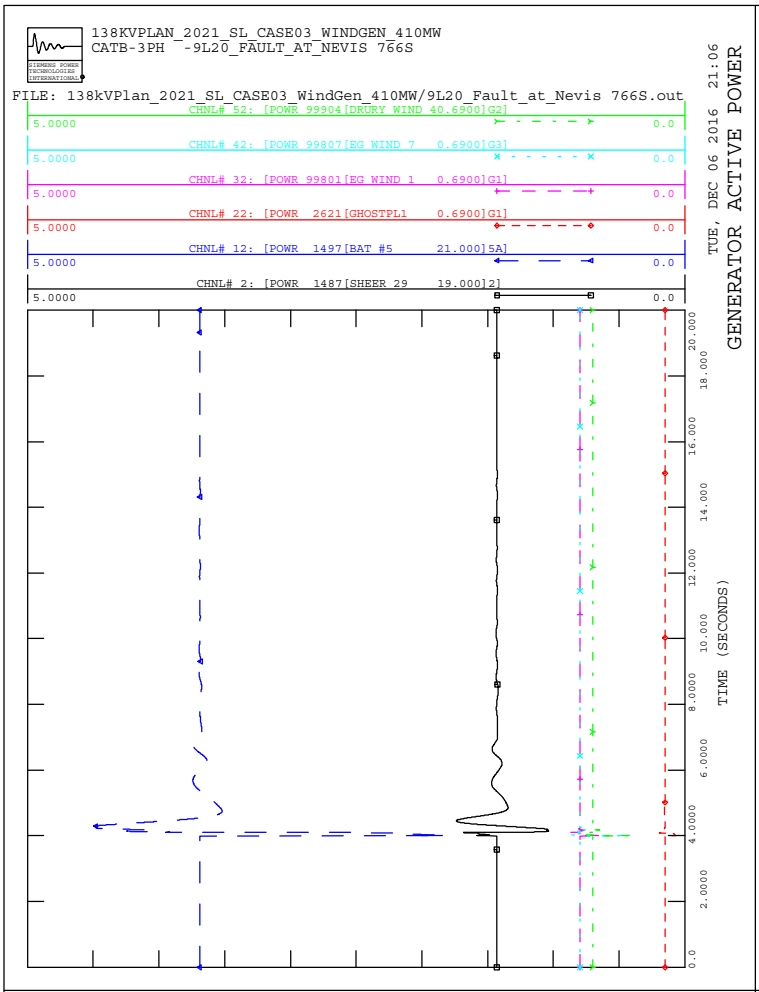
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:06

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
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CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
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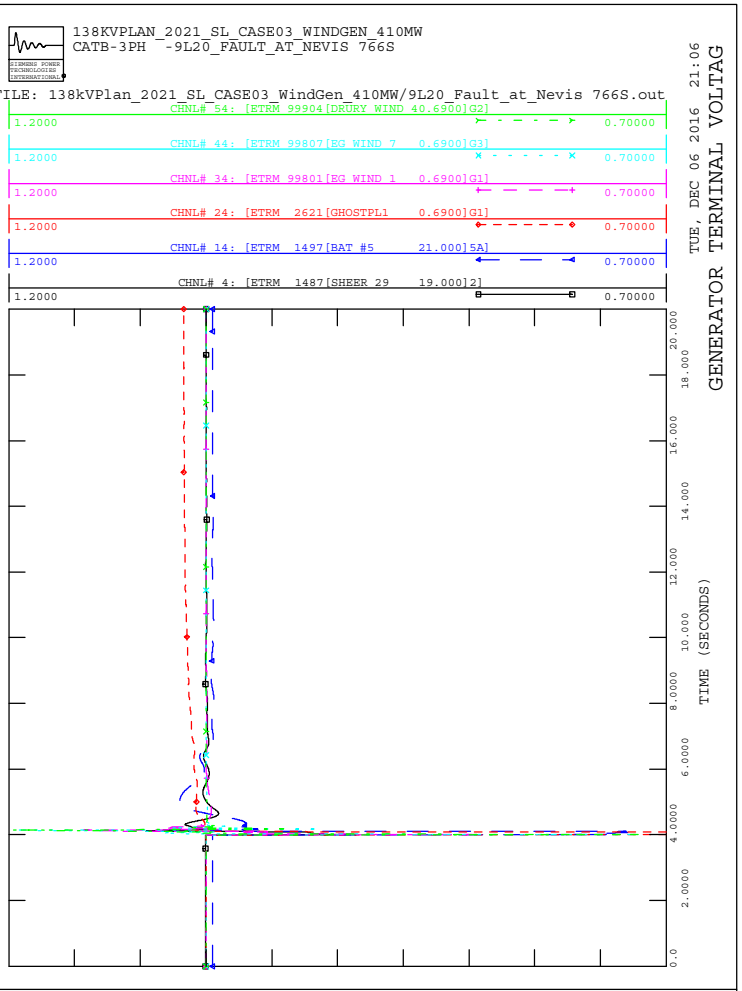
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
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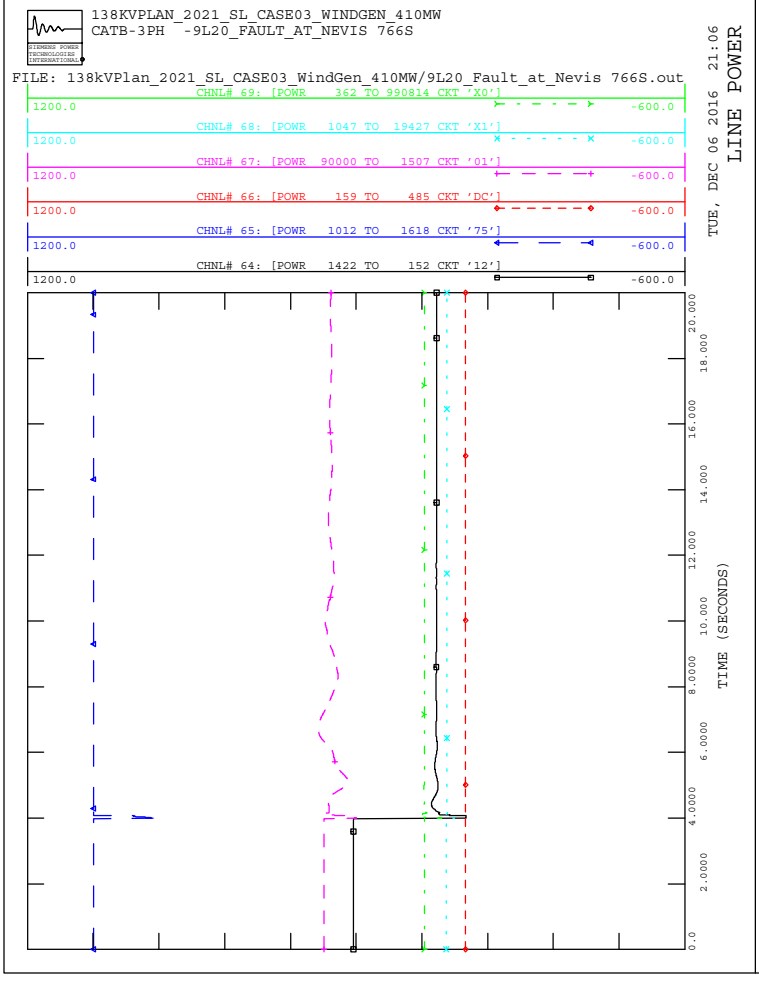
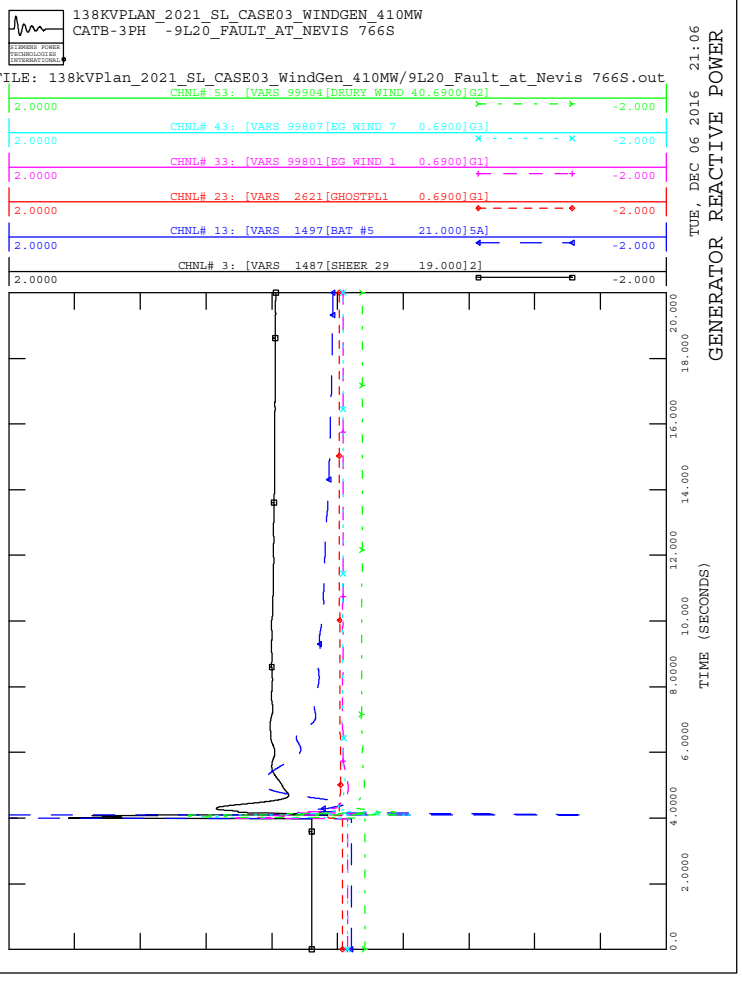

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

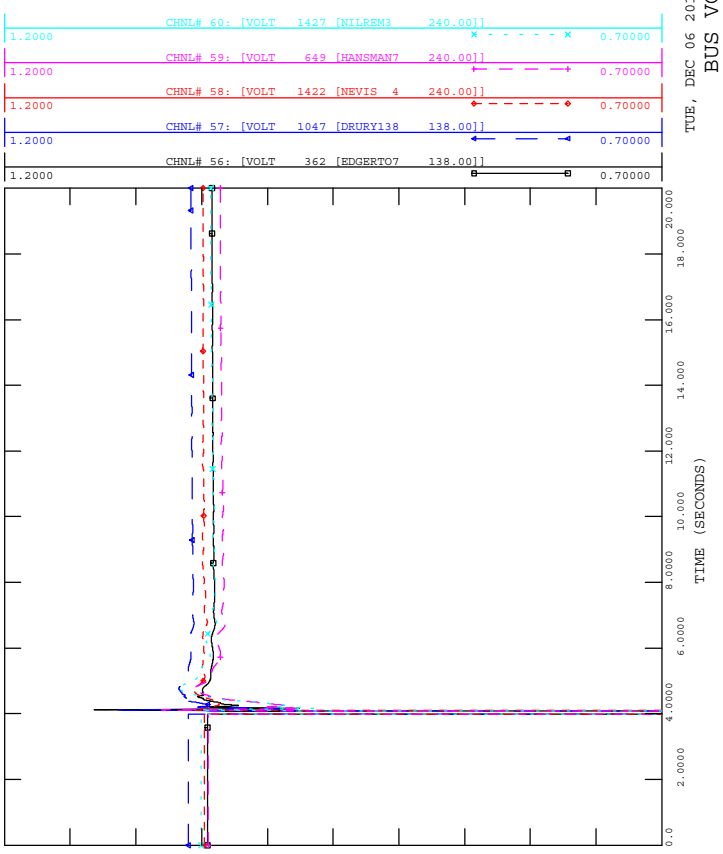

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

BUS VOLTAGE

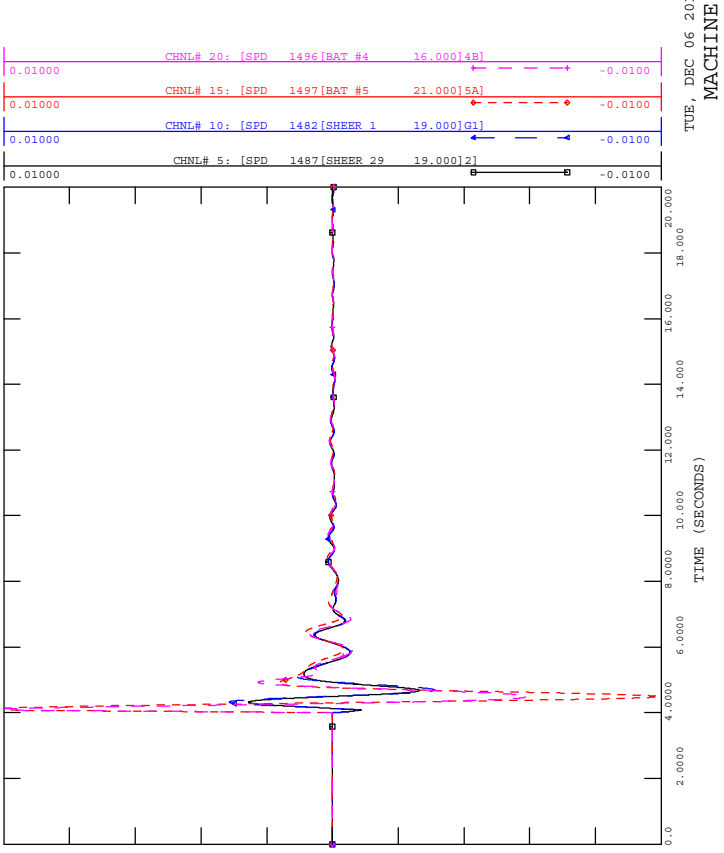


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

MACHINE SPEED

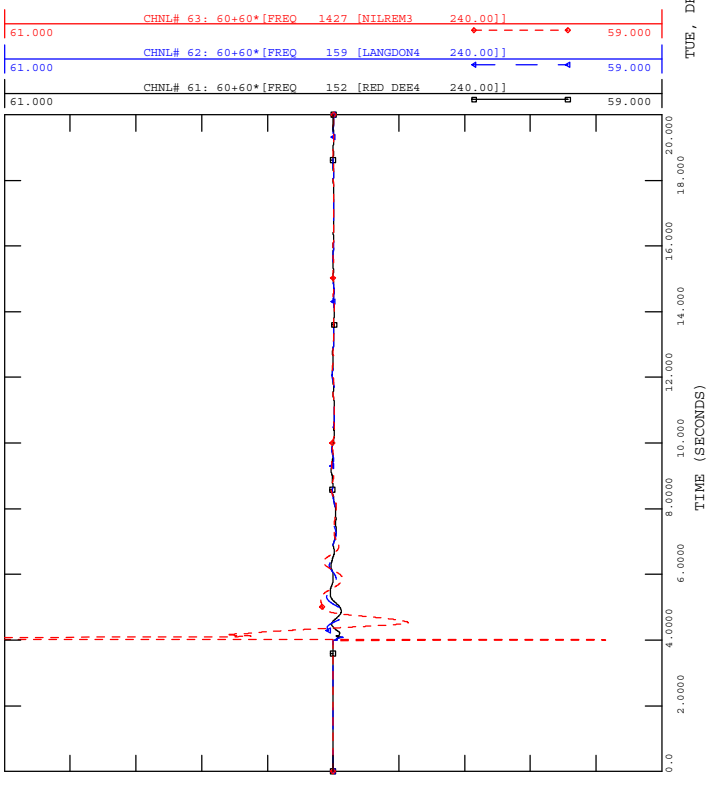


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

FREQUENCY

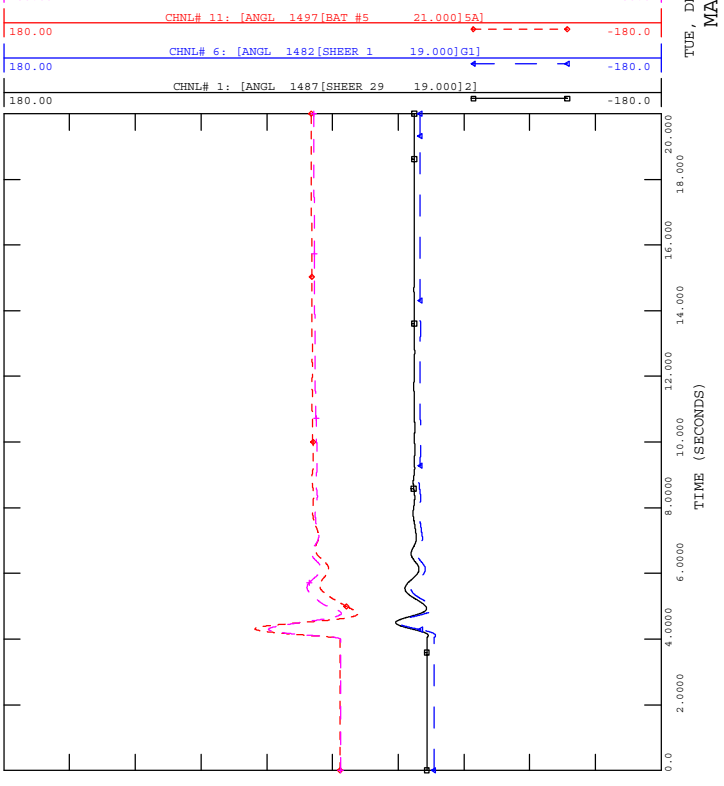


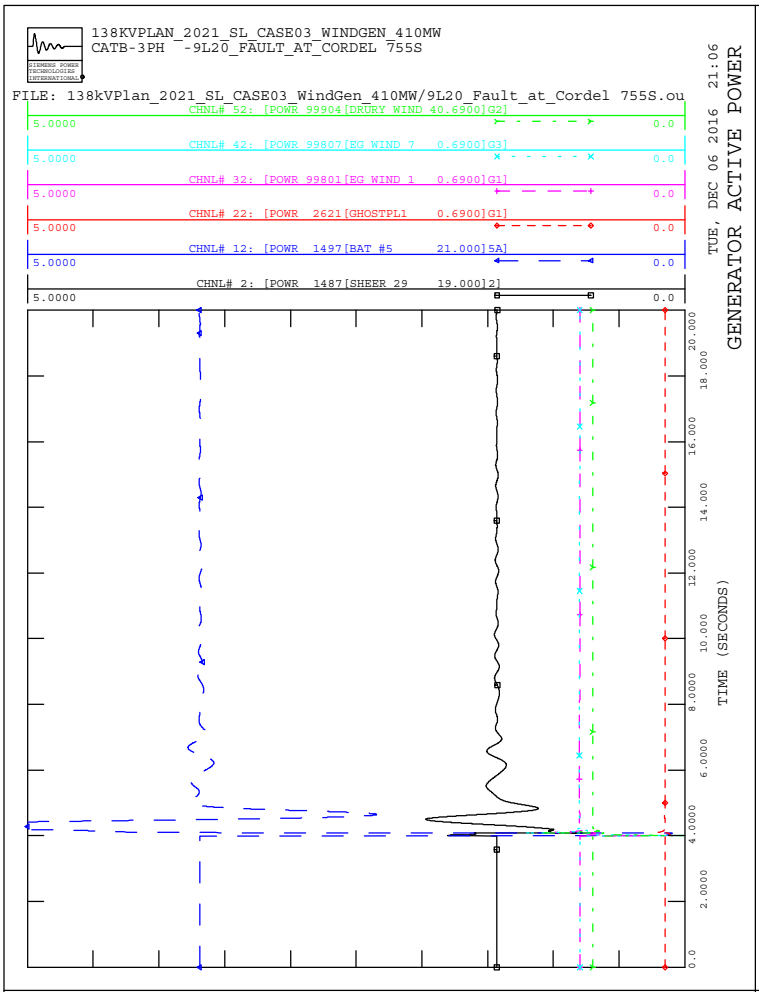
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

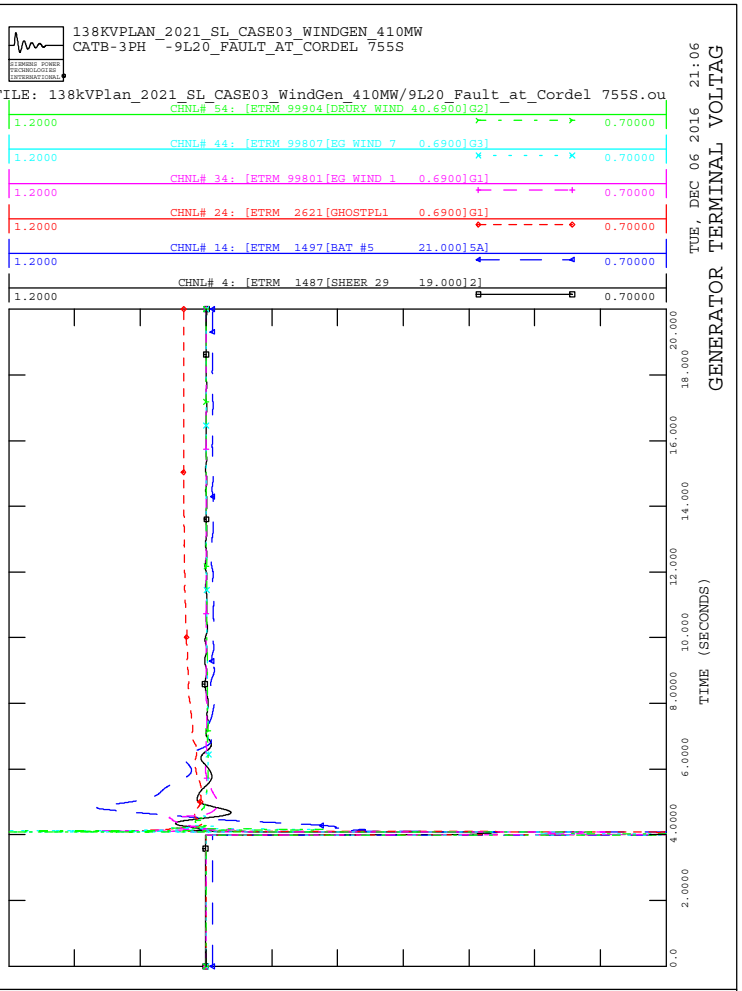
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

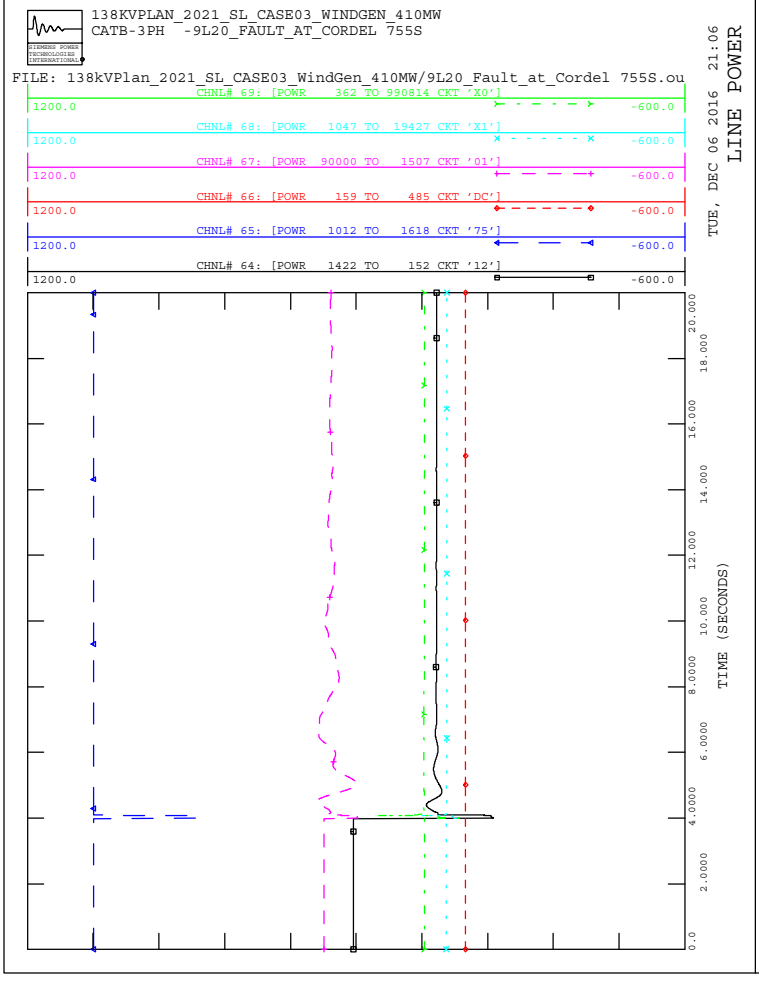
TUE, DEC 06 2016 21:06

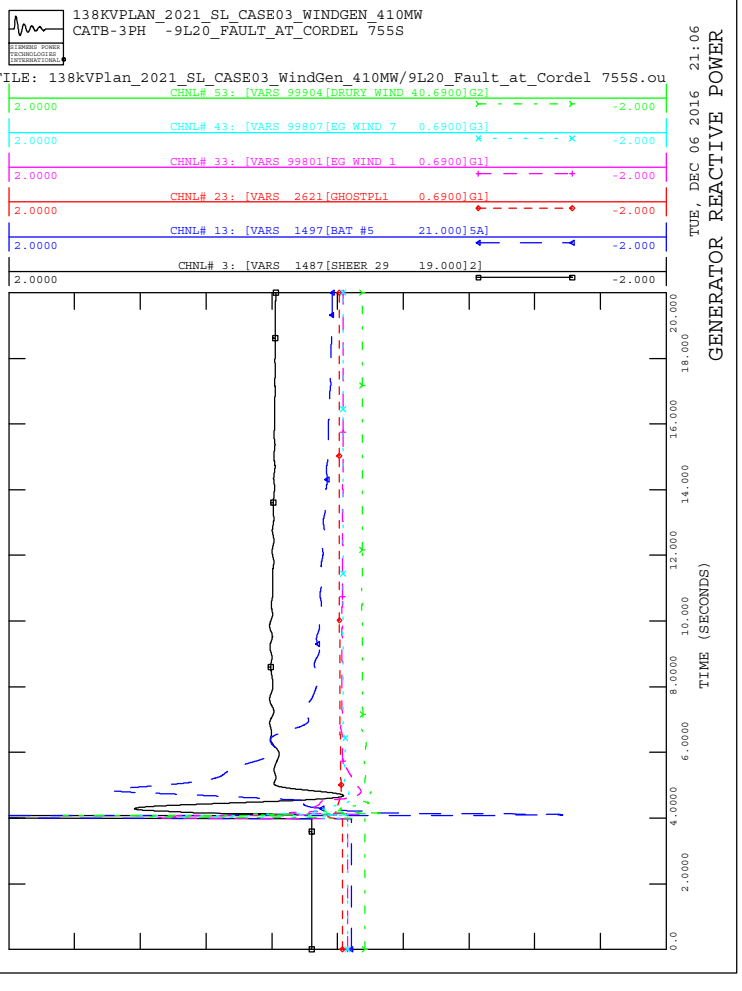
MACHINE ANGLE

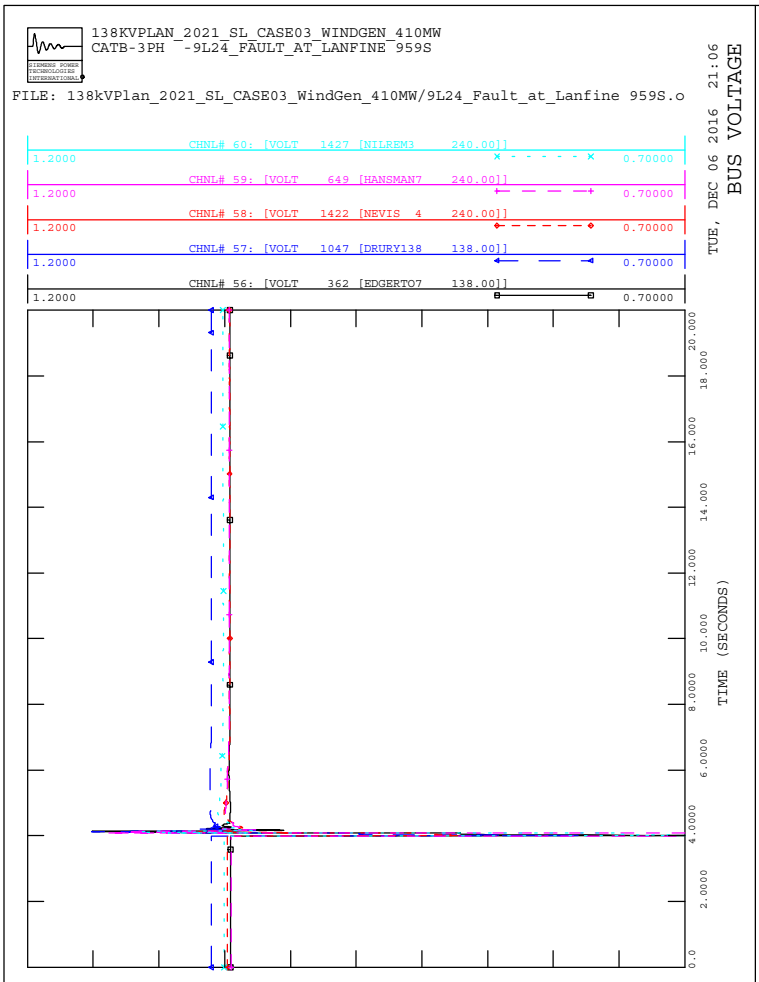


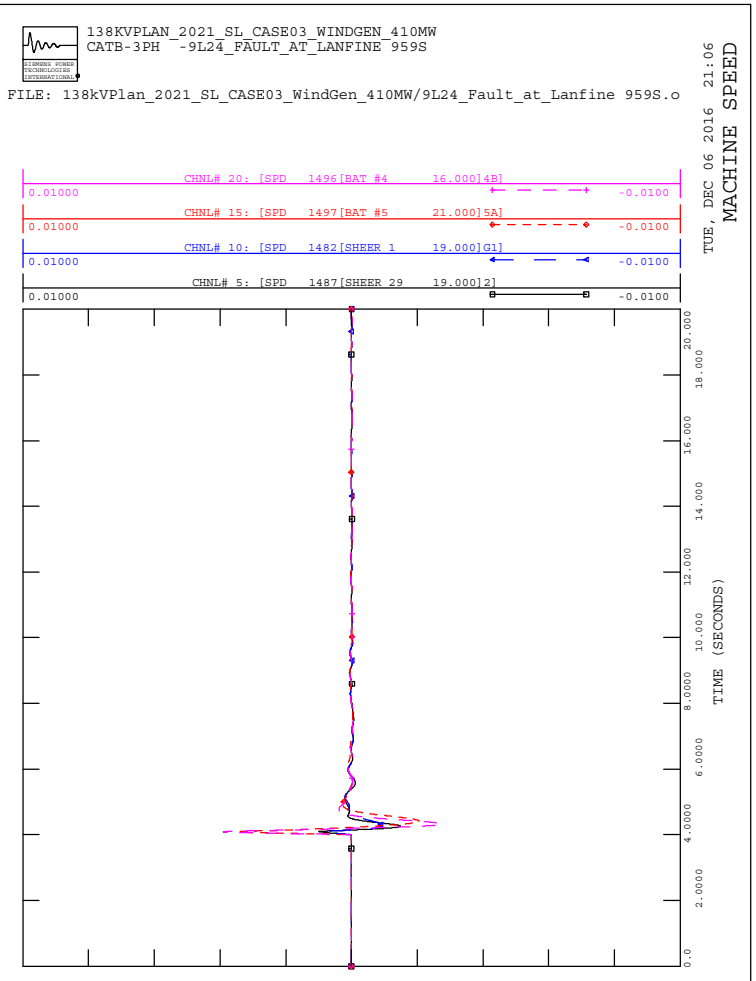

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
TUE, DEC 06 2016 21:06
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
TUE, DEC 06 2016 21:06
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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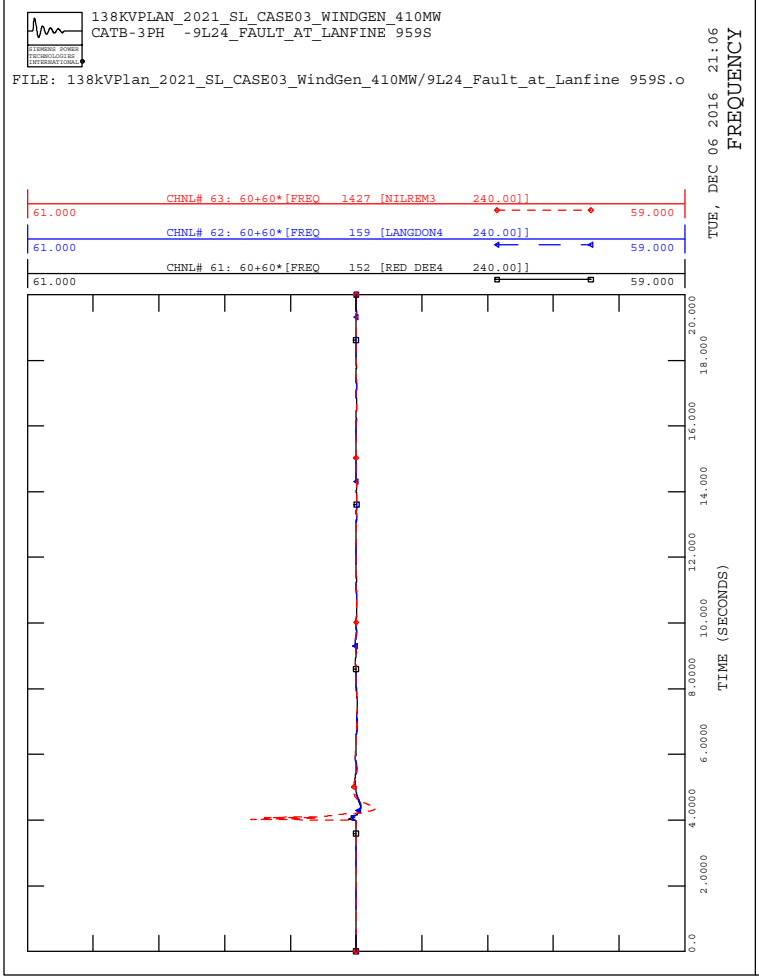
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
TUE, DEC 06 2016 21:06
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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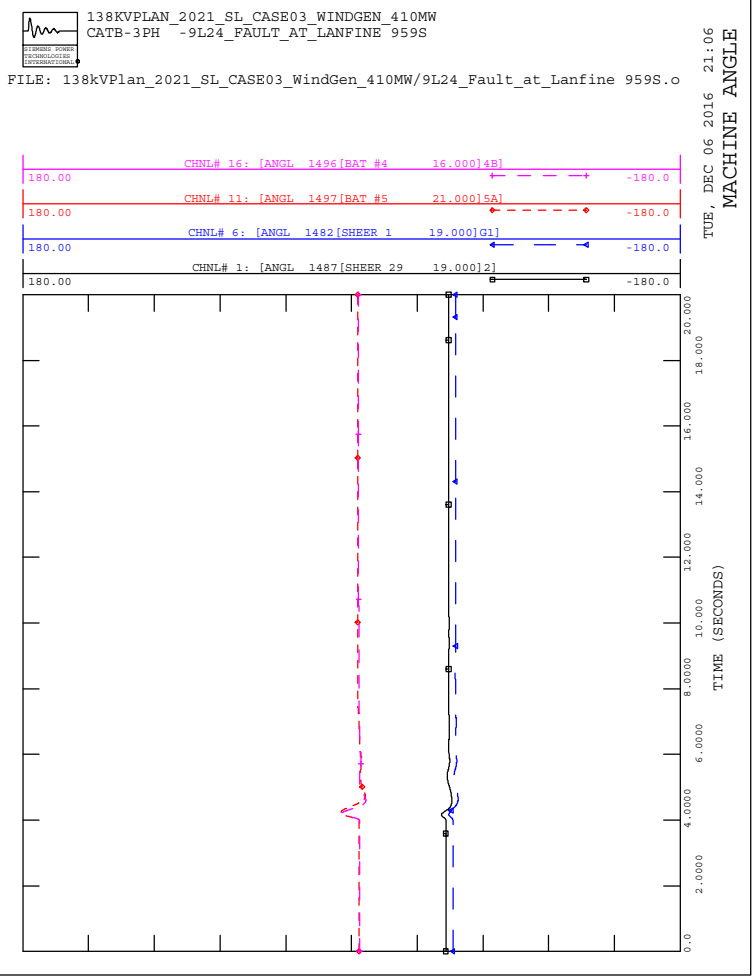
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
TUE, DEC 06 2016 21:06
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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2.0000
4.0000
6.0000
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12.000
14.000
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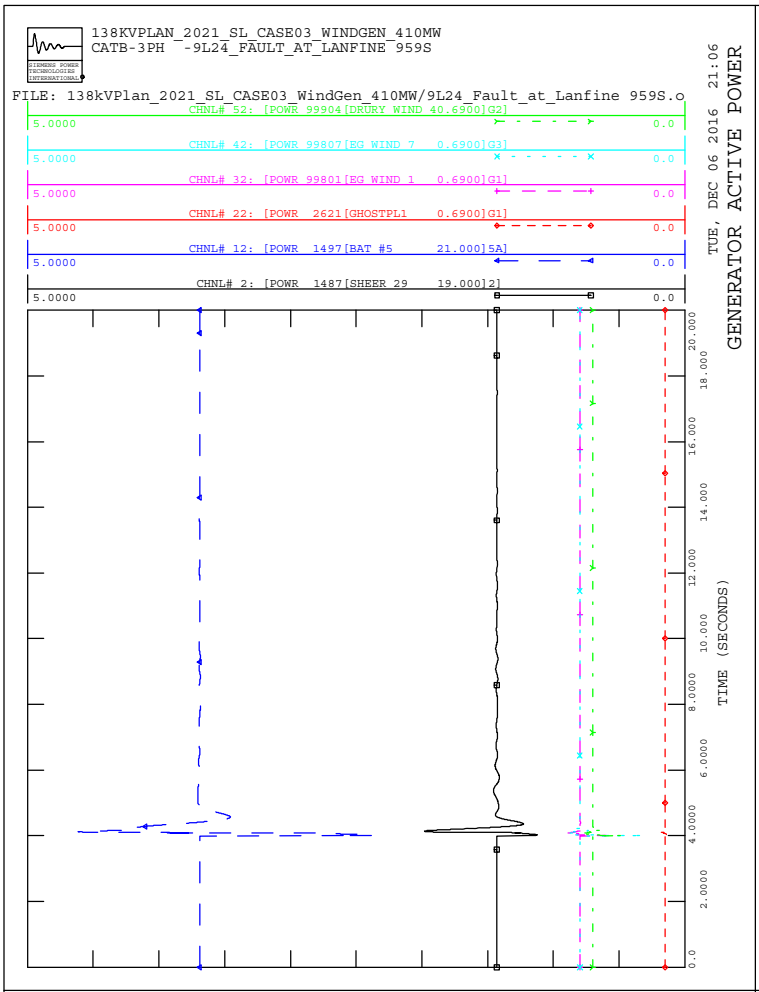
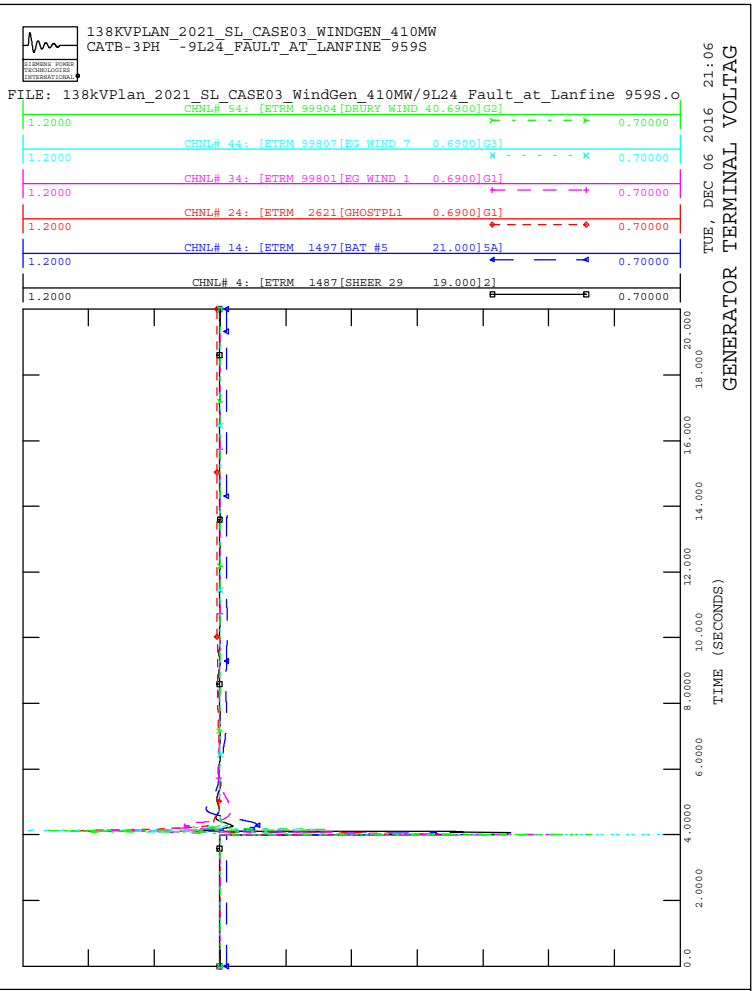
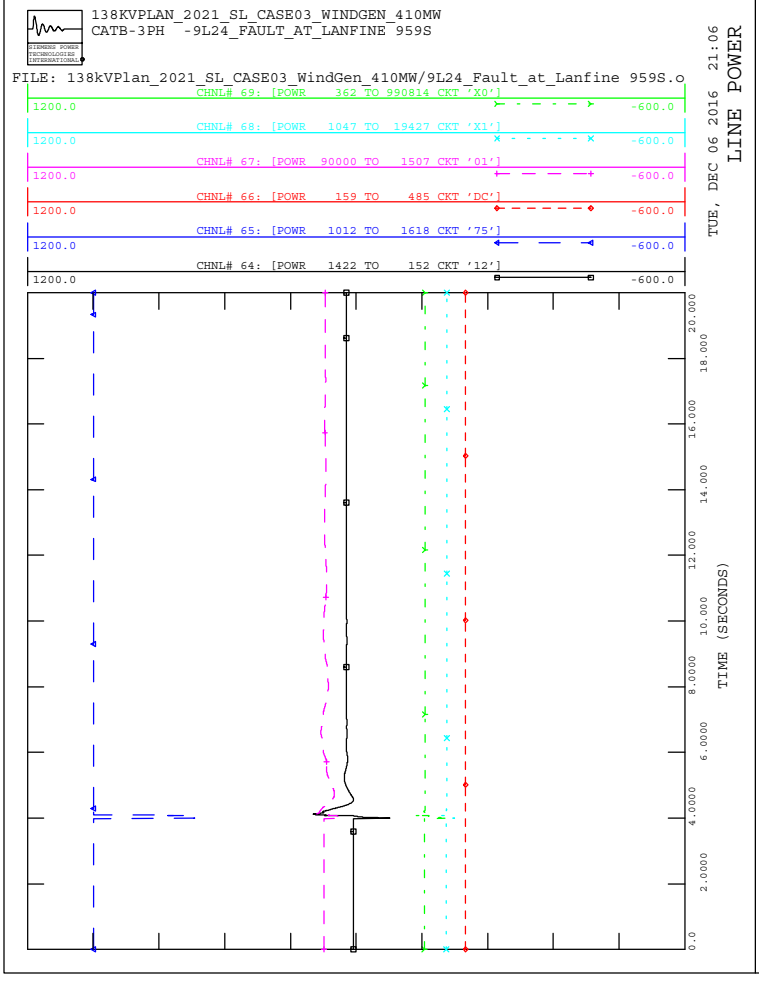
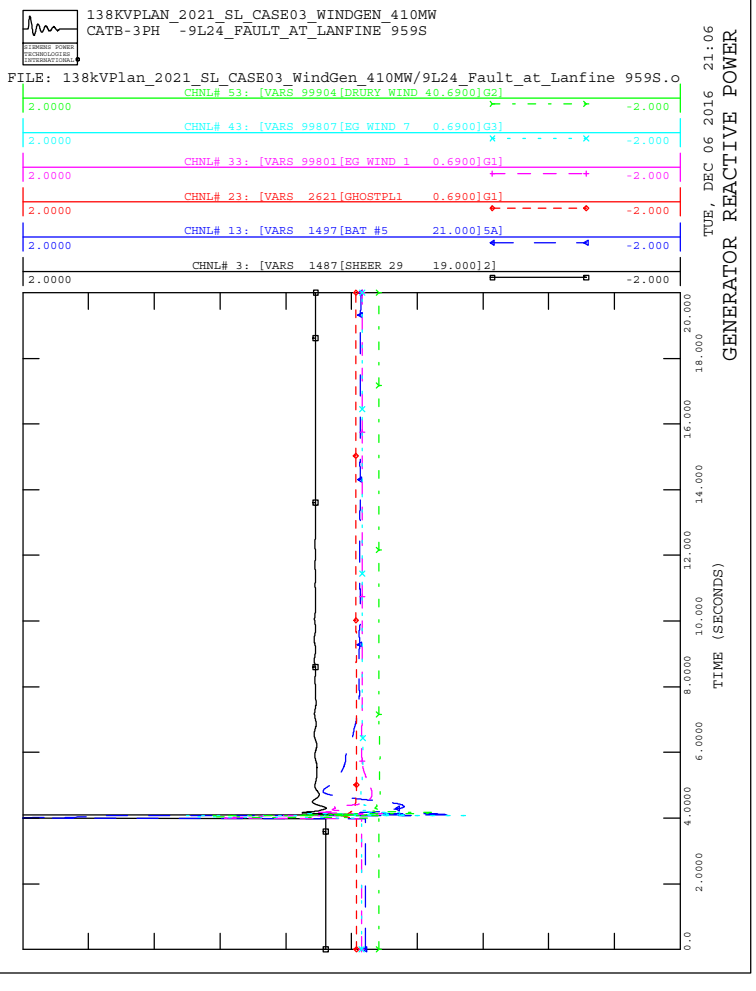
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)

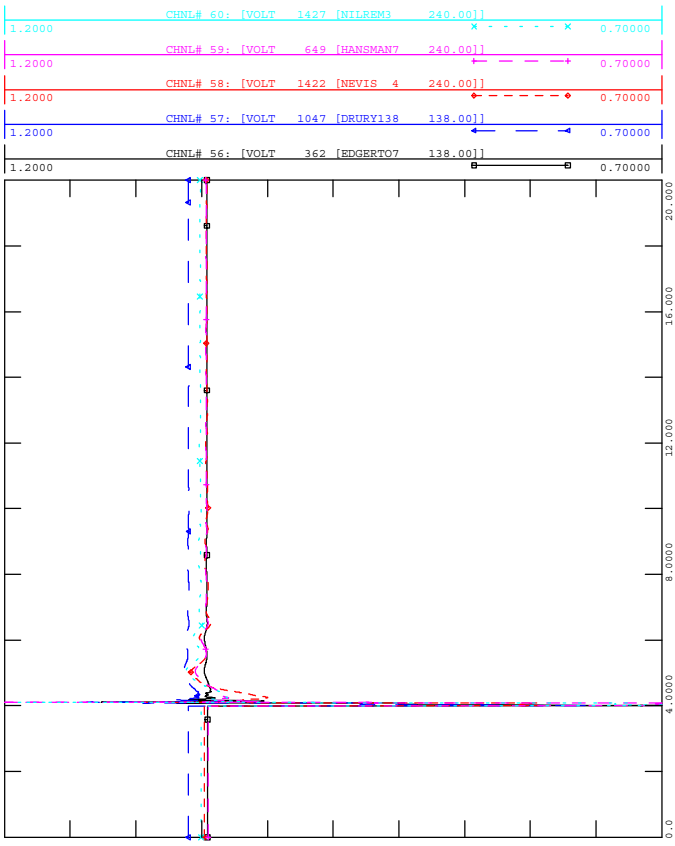

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

BUS VOLTAGE

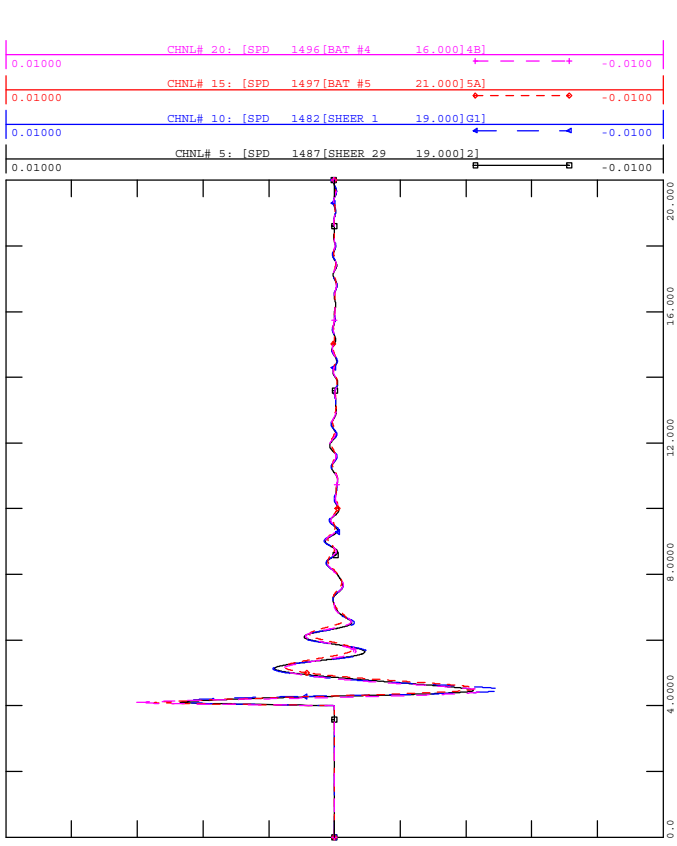


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

MACHINE SPEED

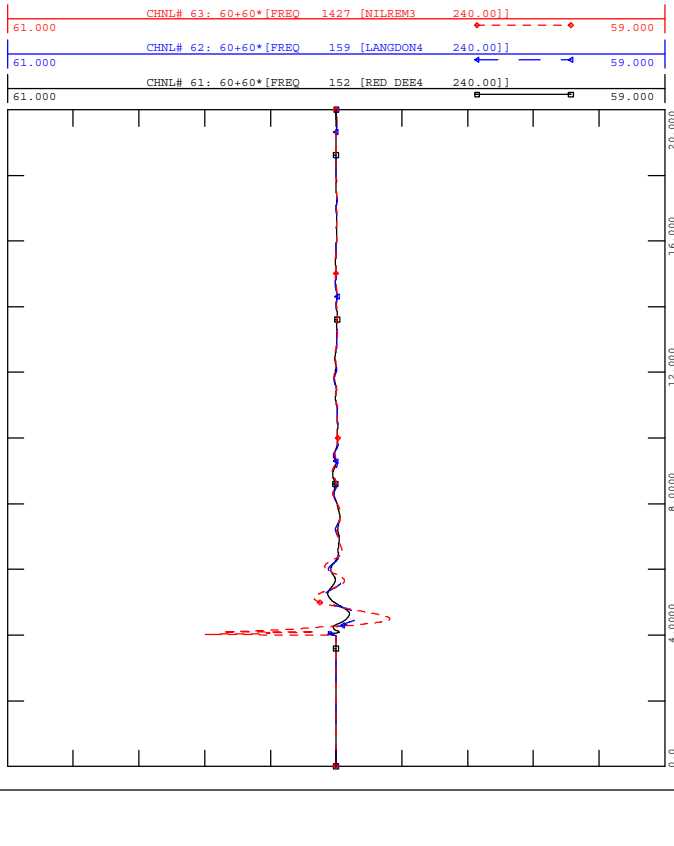


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

FREQUENCY

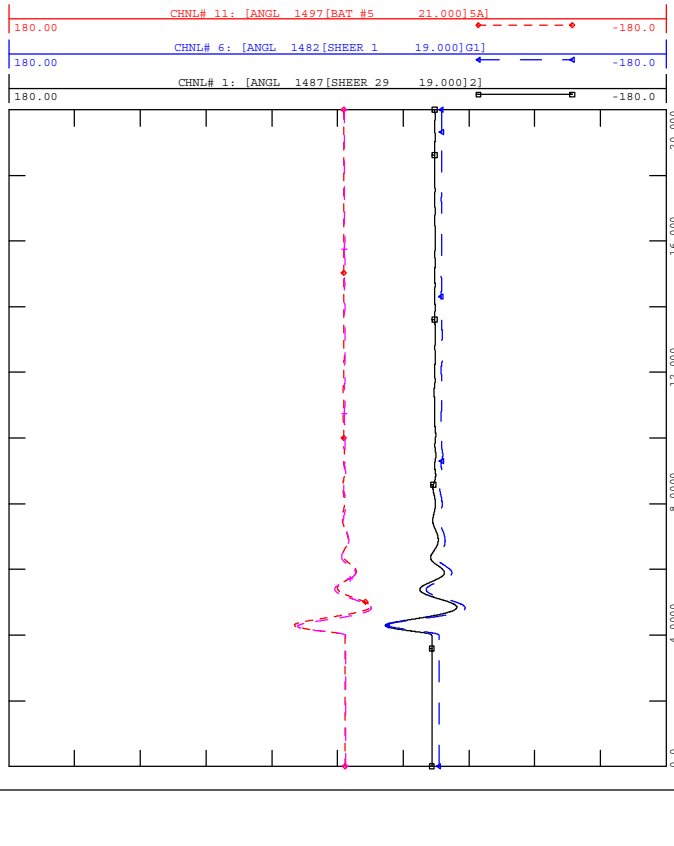


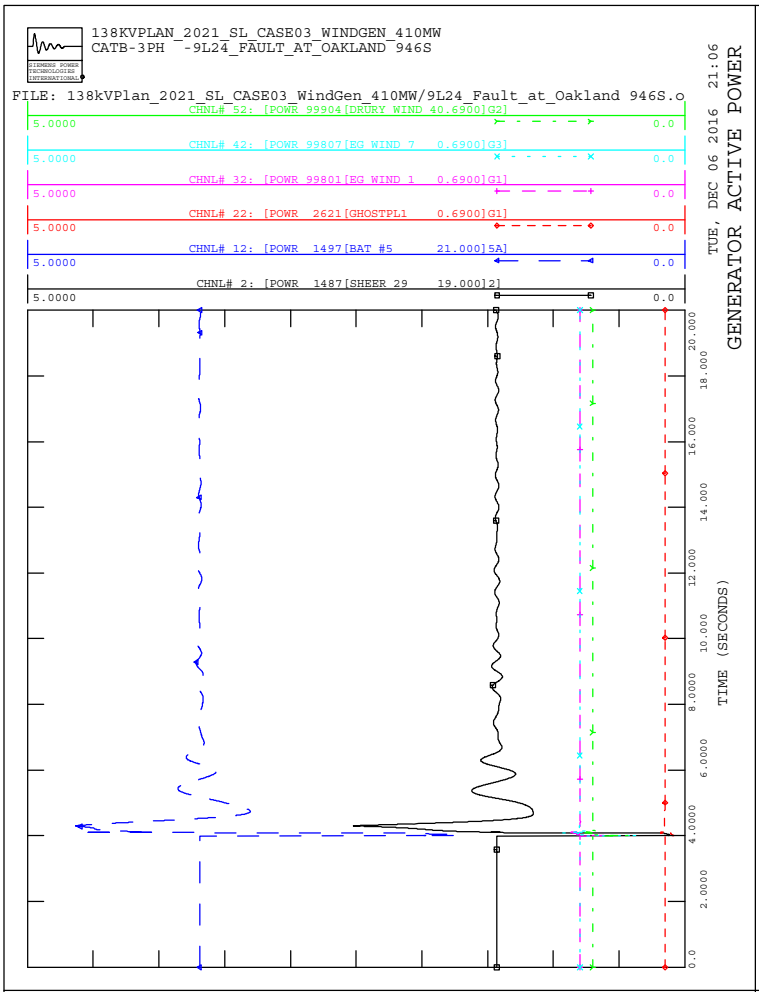
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

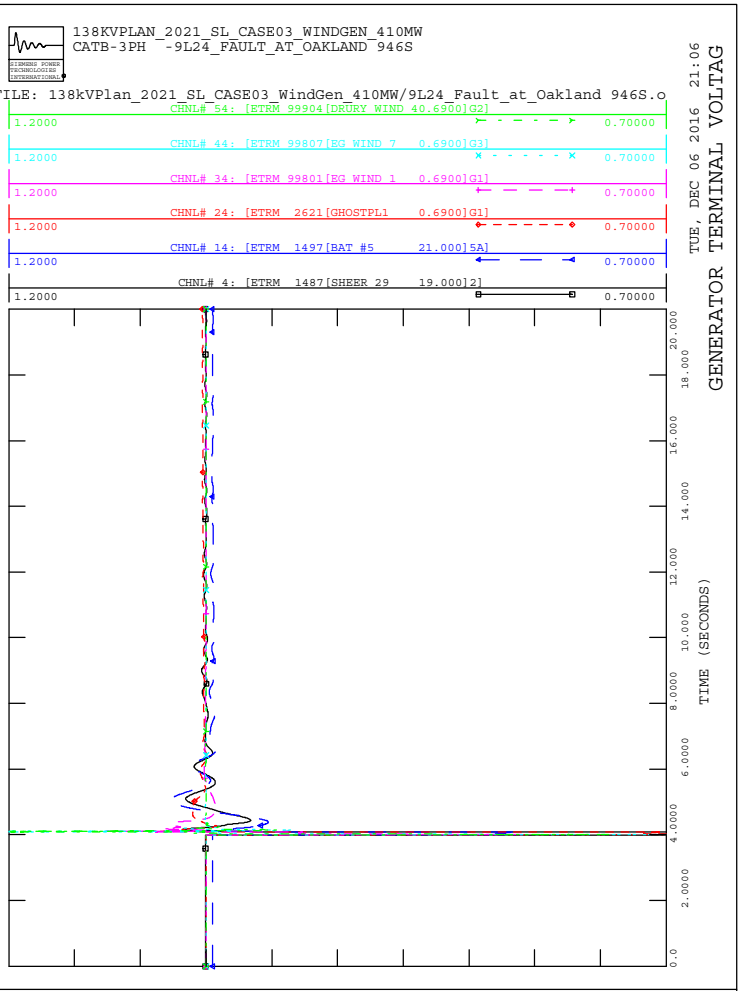
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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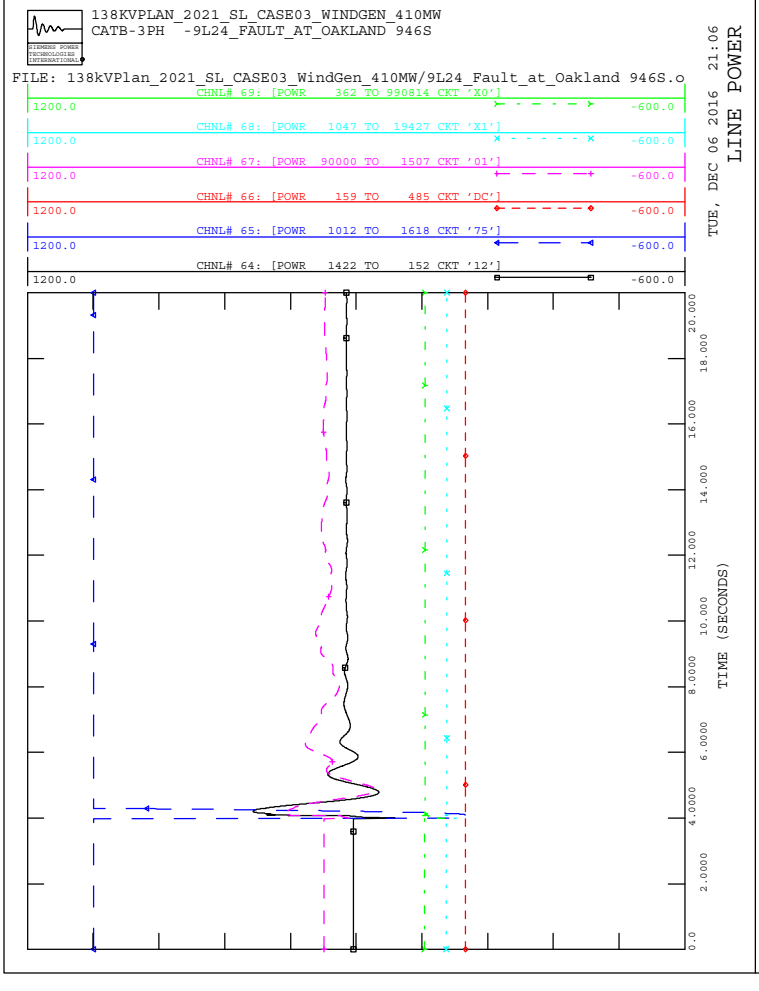
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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-600.0
TUE, DEC 06 2016 21:06
LINE POWER
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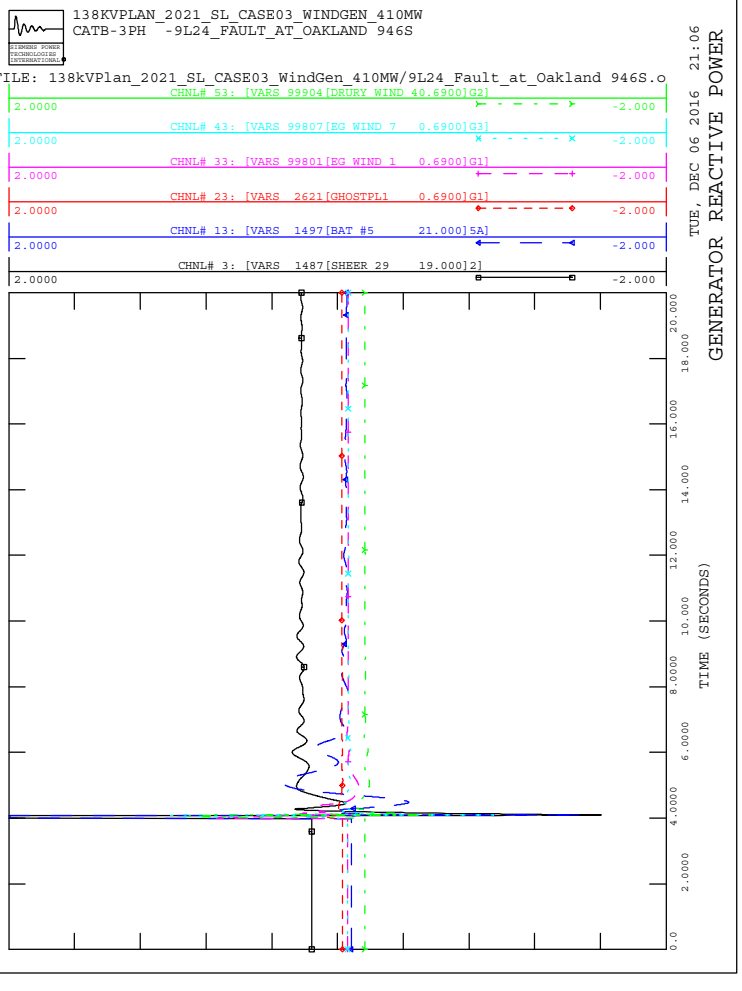
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
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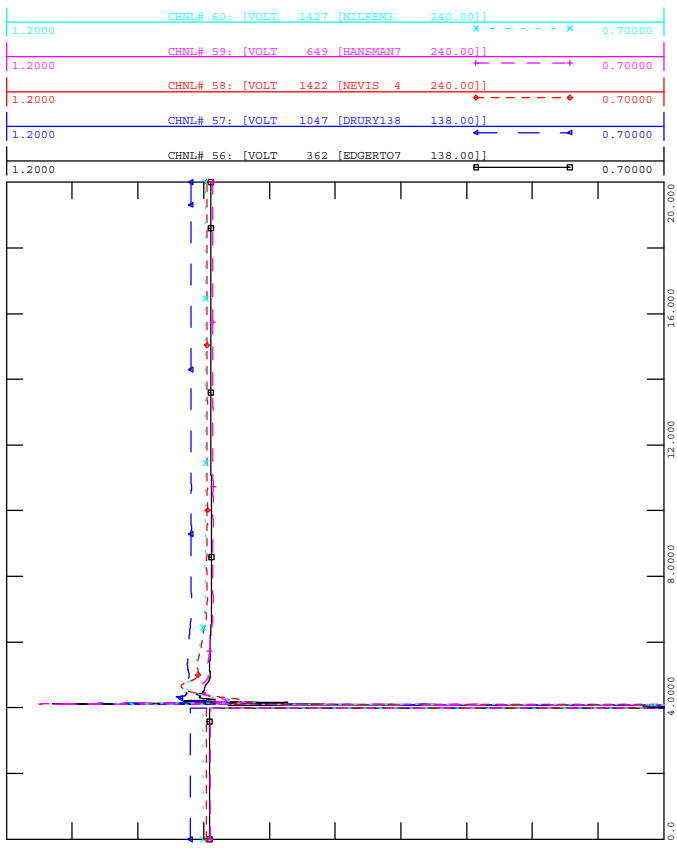
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863

TUE, DEC 06 2016 21:06

BUS VOLTAGE

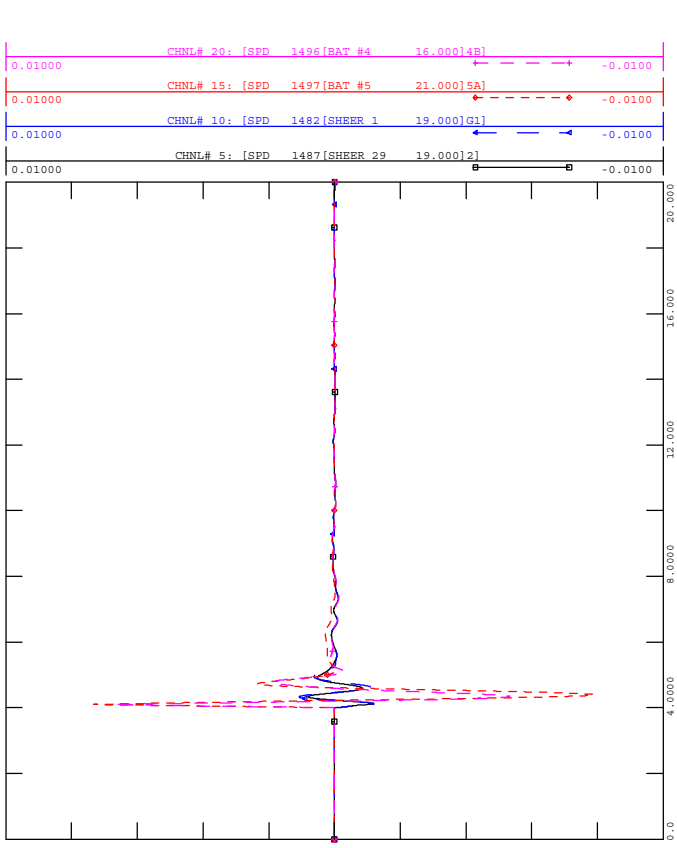


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863

TUE, DEC 06 2016 21:06

MACHINE SPEED

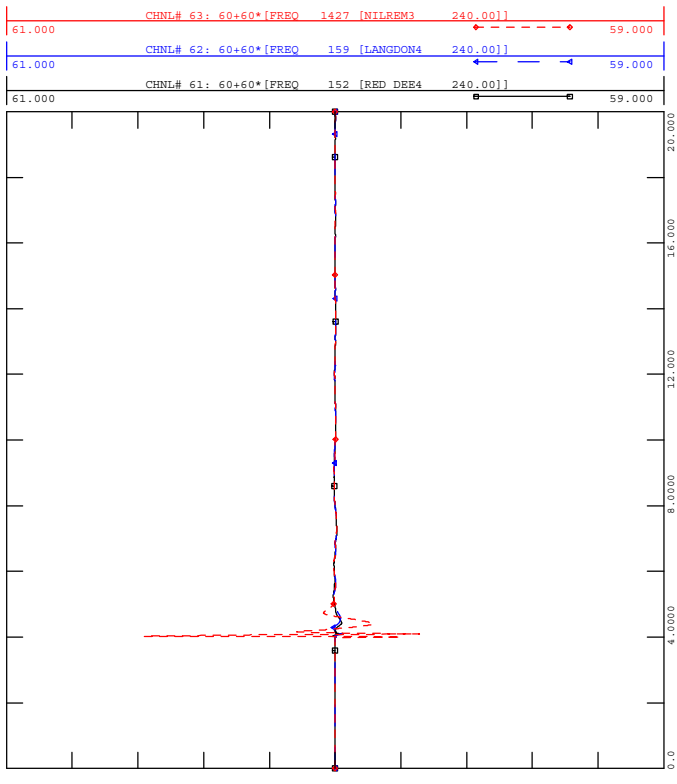


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863

TUE, DEC 06 2016 21:06

FREQUENCY

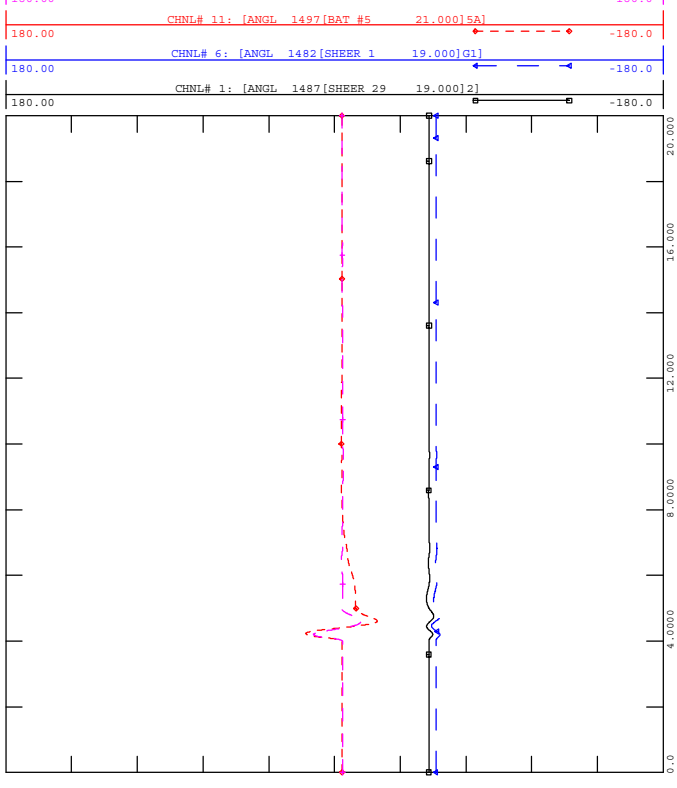


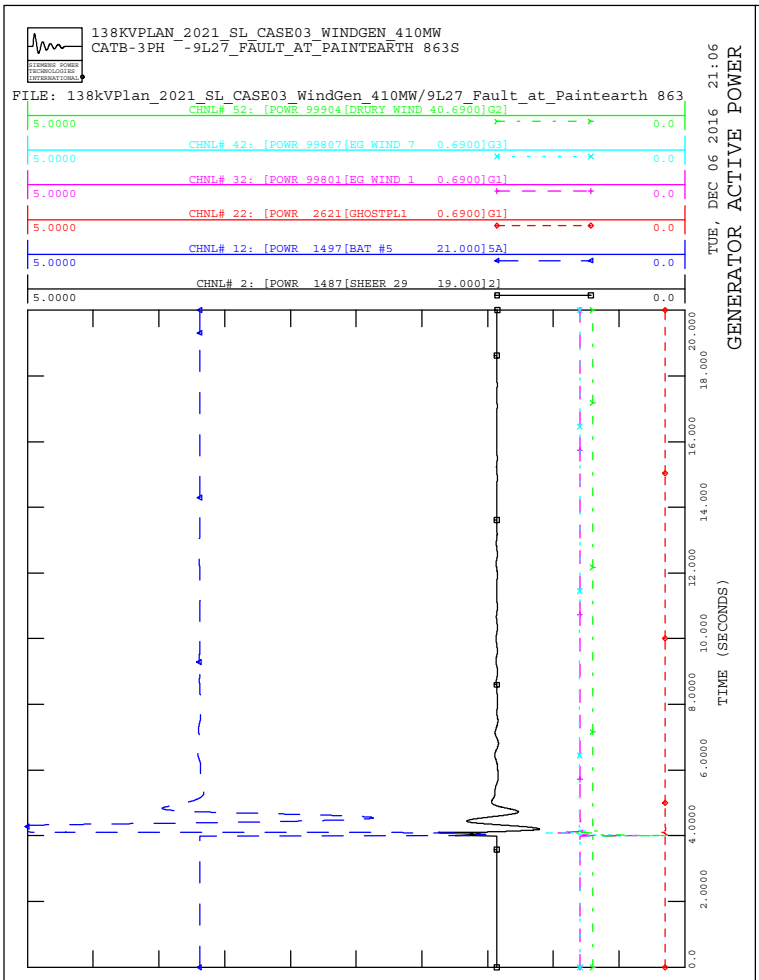
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

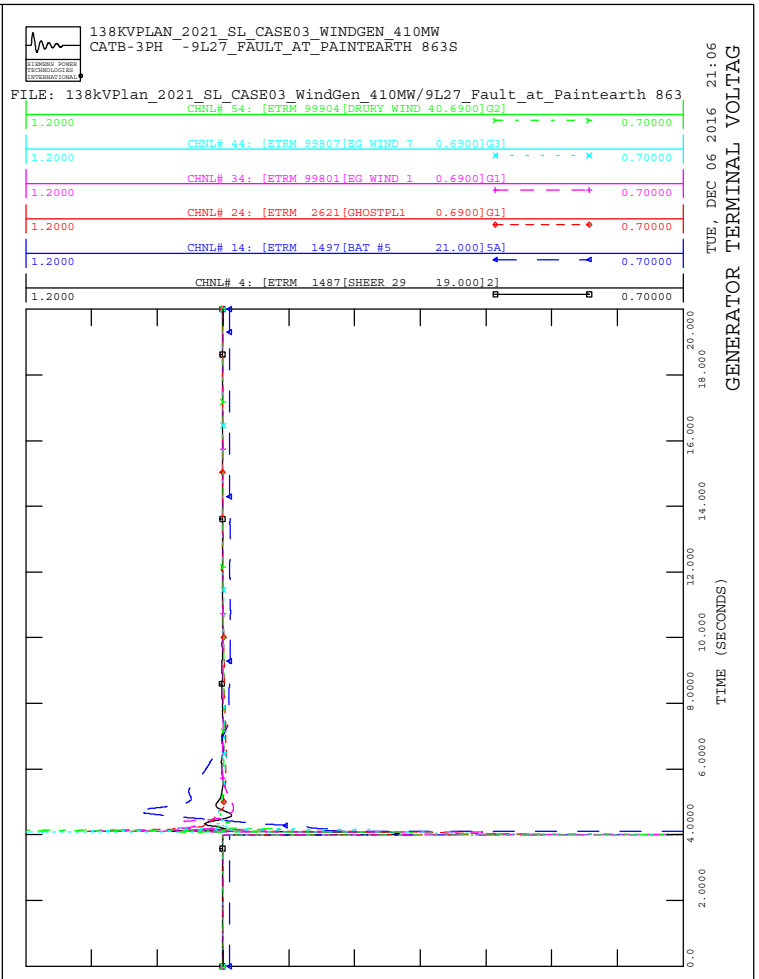
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863

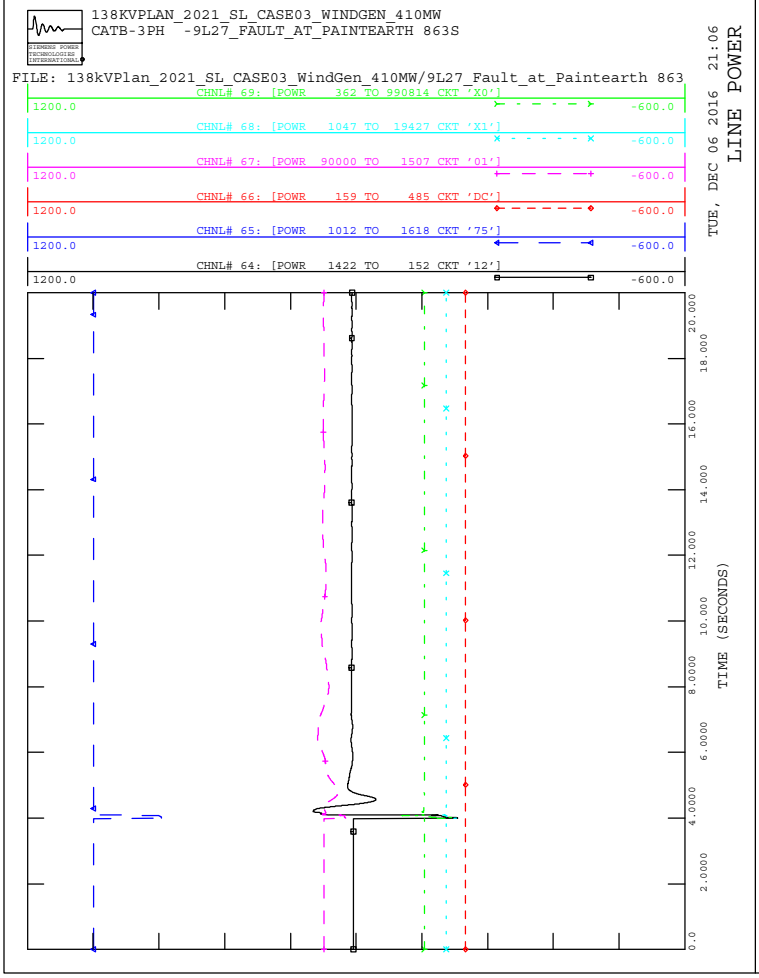
TUE, DEC 06 2016 21:06

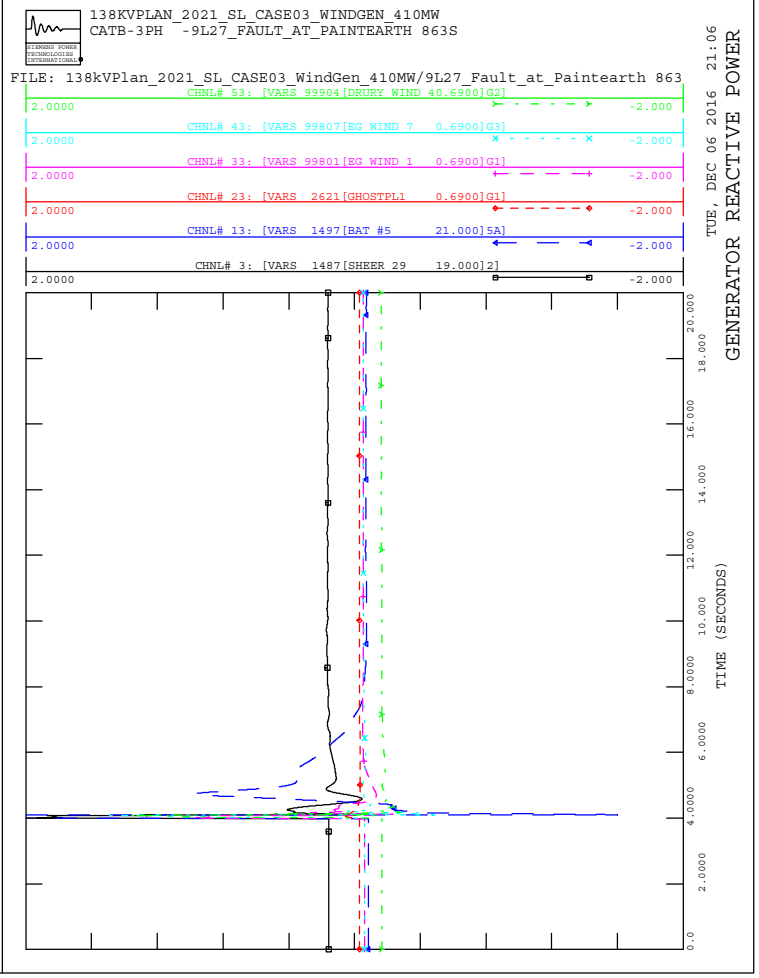
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000

CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000

CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000

CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000

CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100

CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100

CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100

CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000

CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000

CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

MACHINE ANGLE

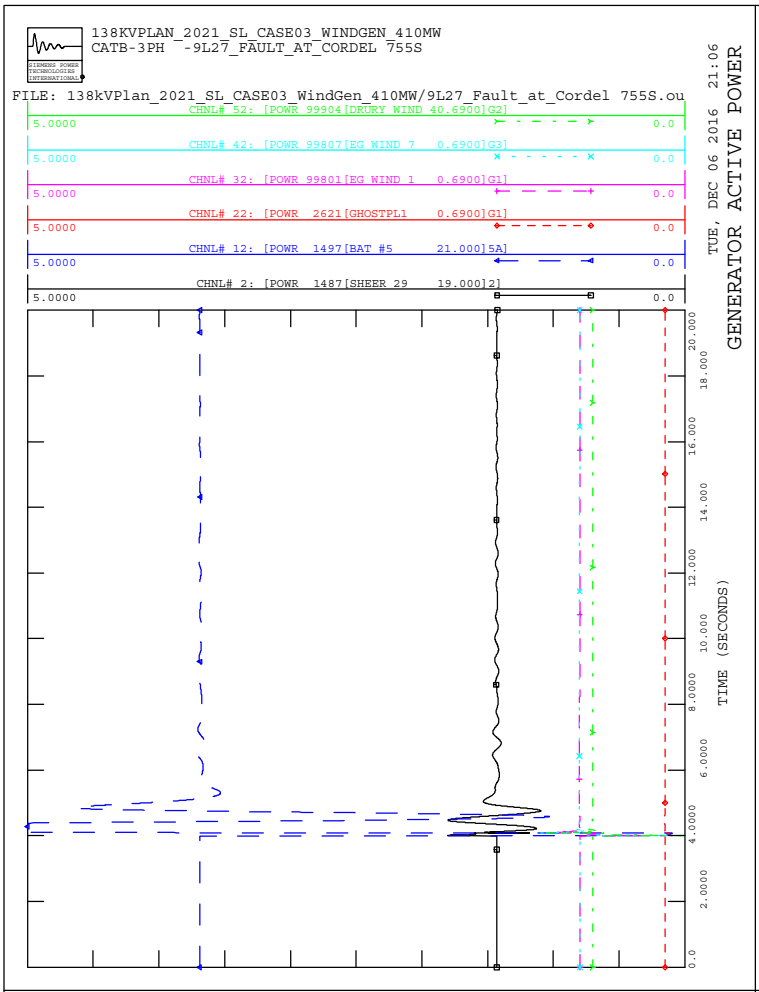
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0

CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0

CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0

CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
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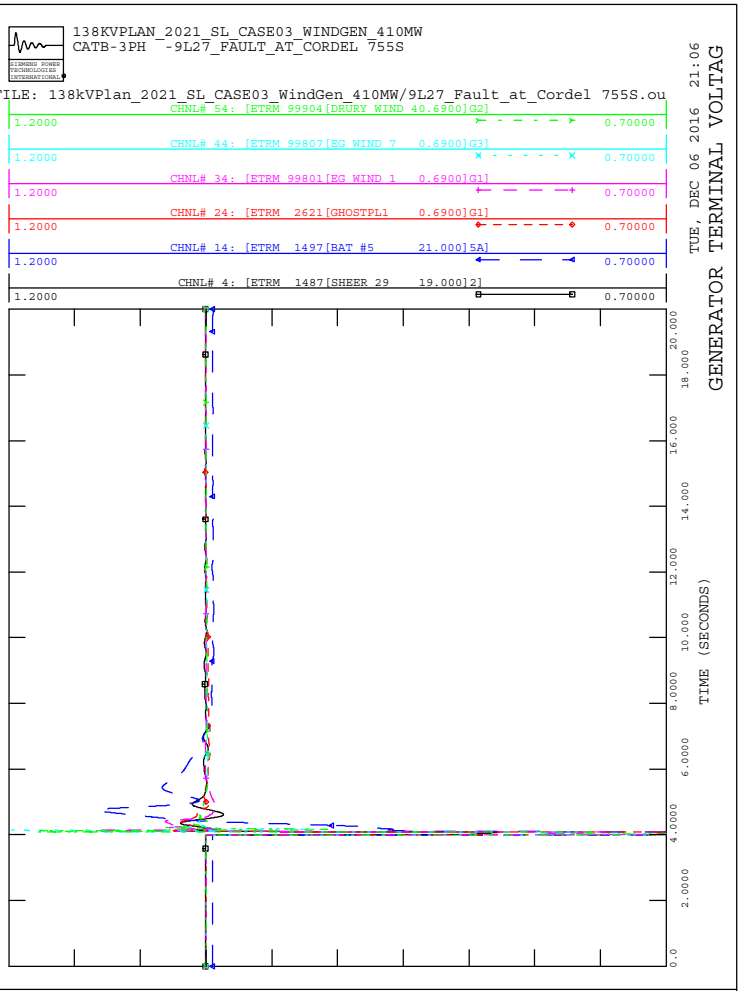
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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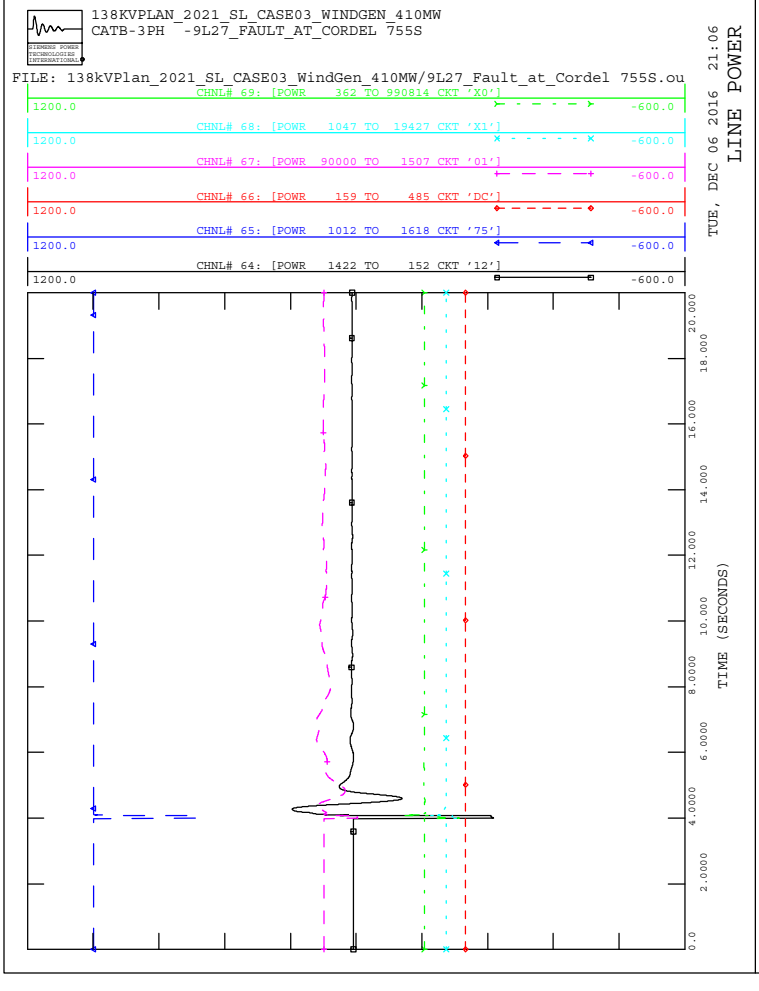
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
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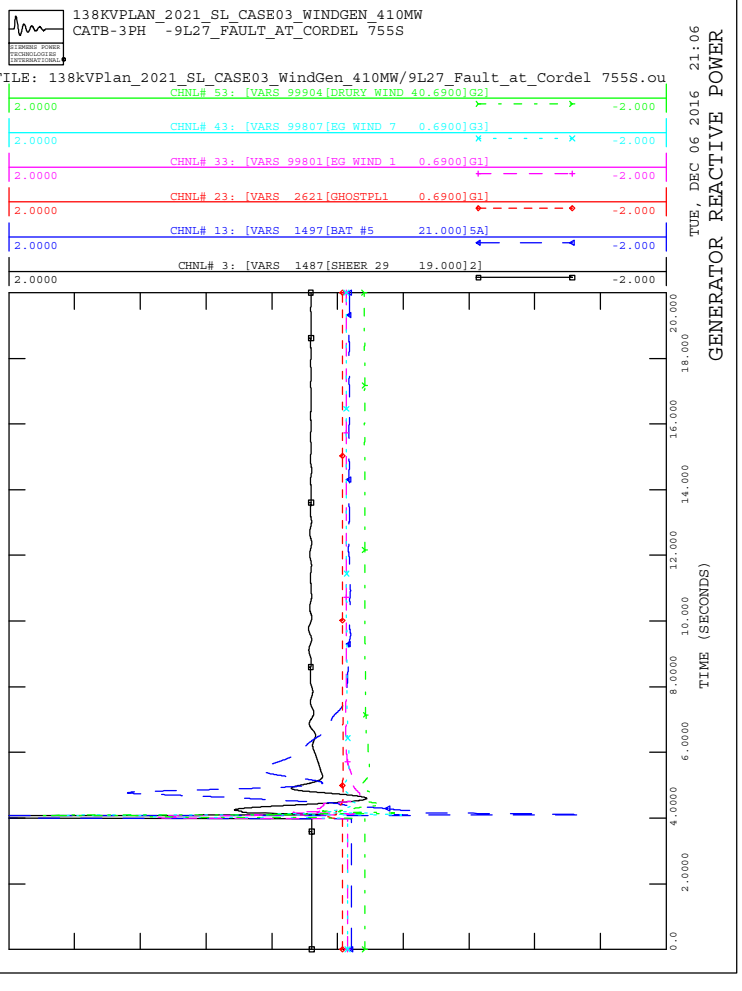
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
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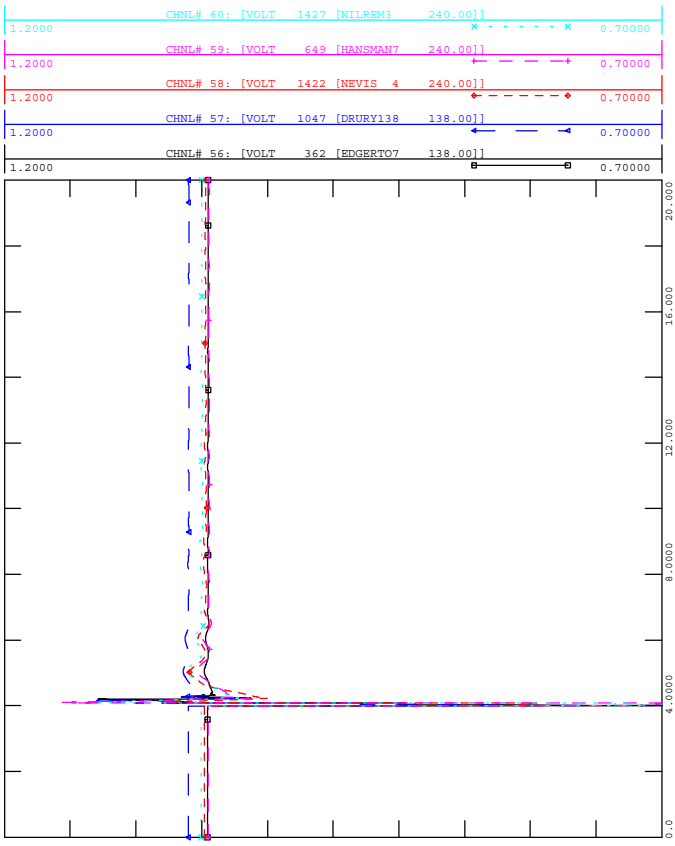
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

BUS VOLTAGE

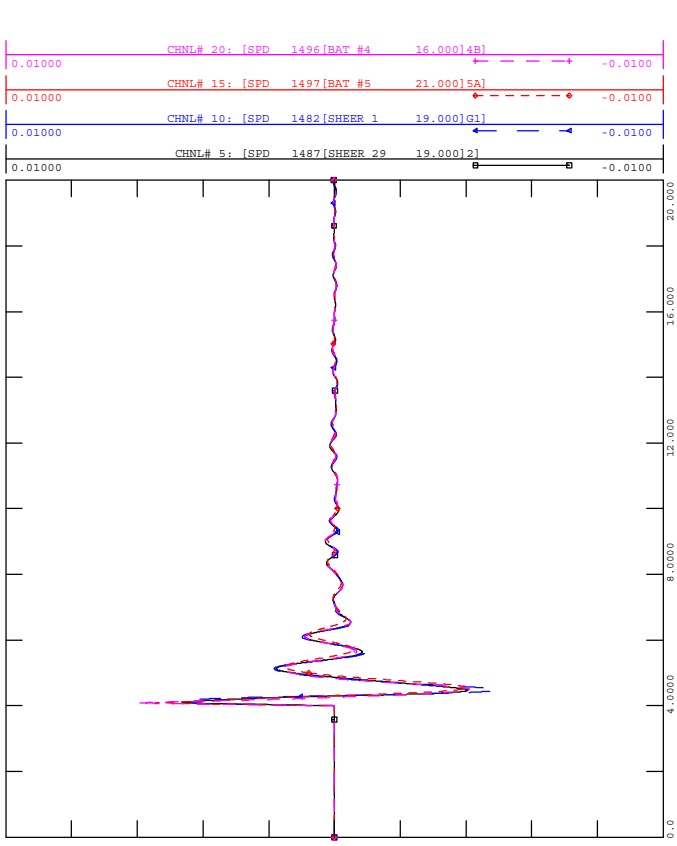


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

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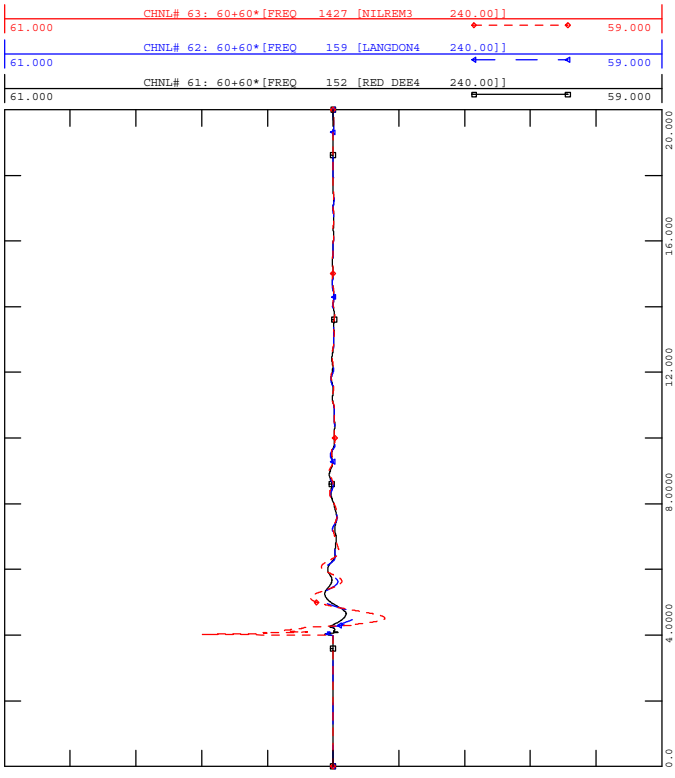
TUE, DEC 06 2016 21:06

FREQUENCY

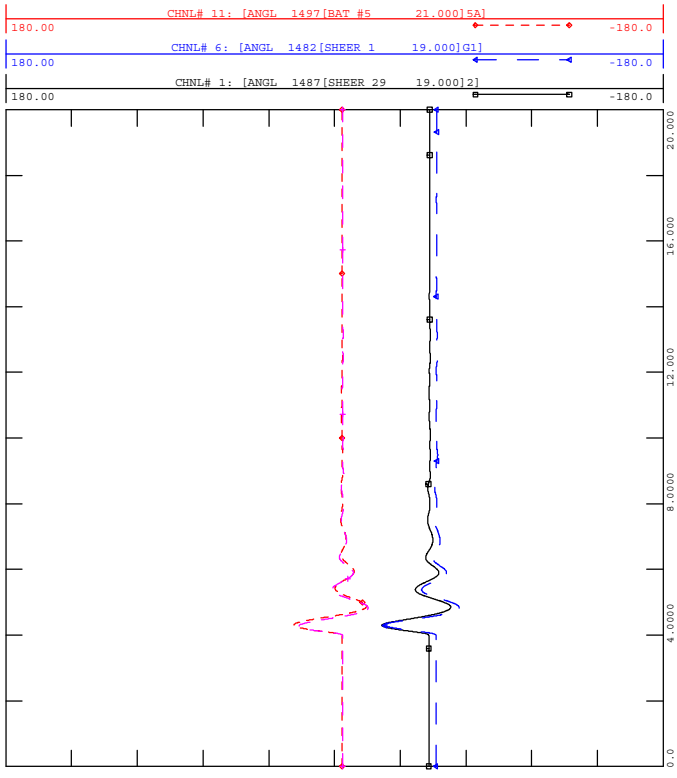


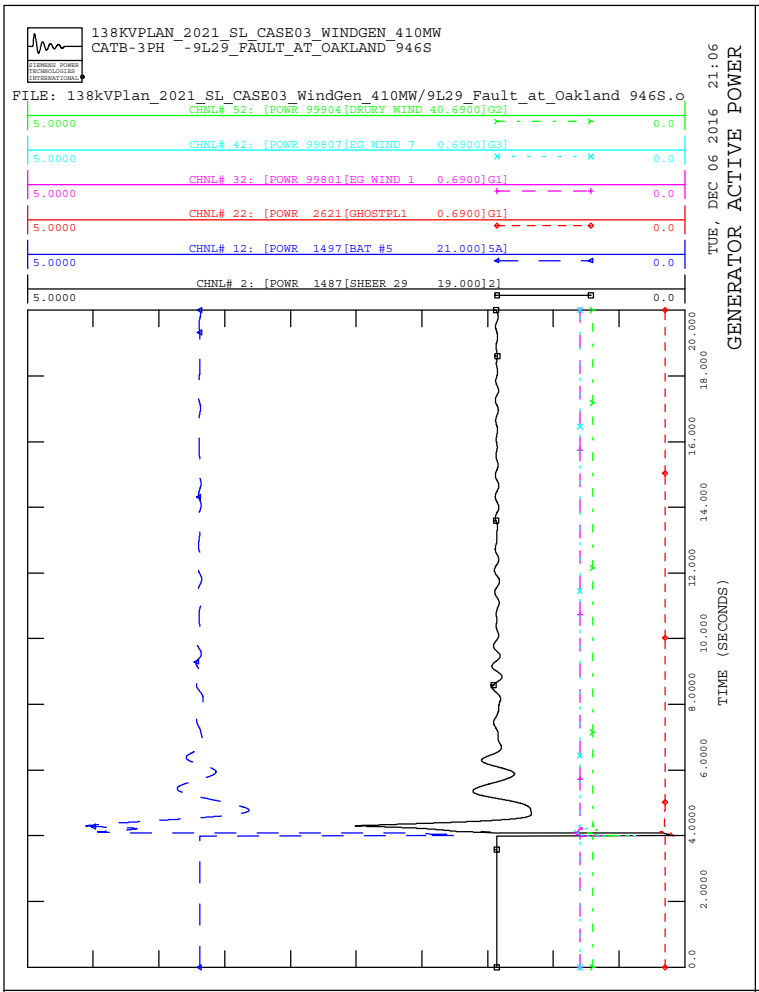
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
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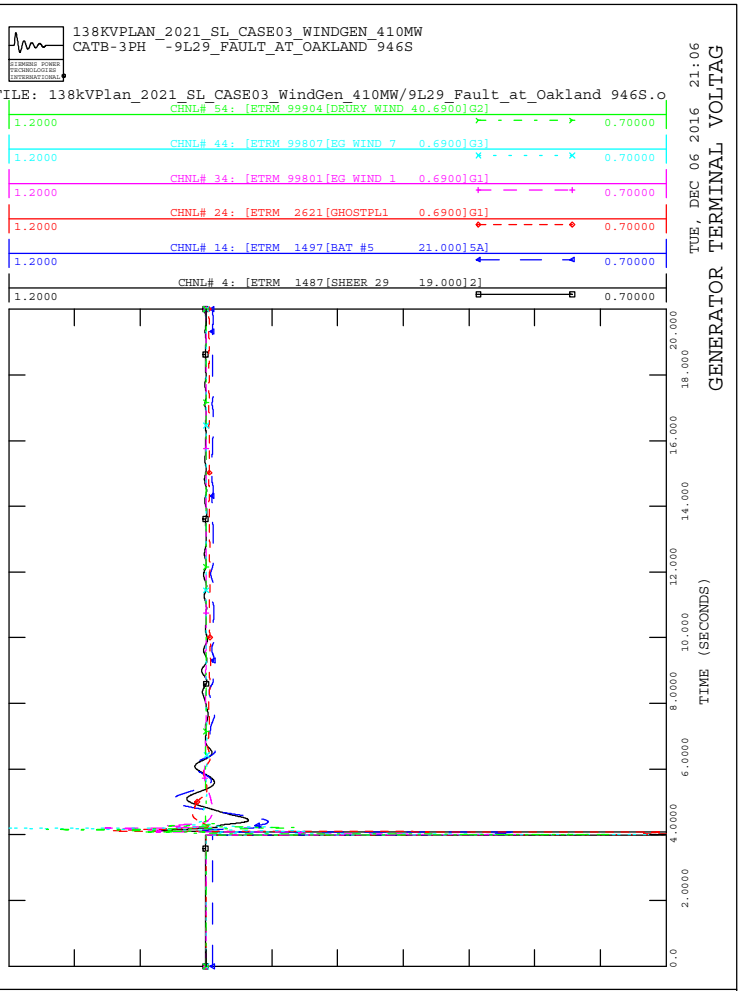
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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6.0000
8.0000
10.000
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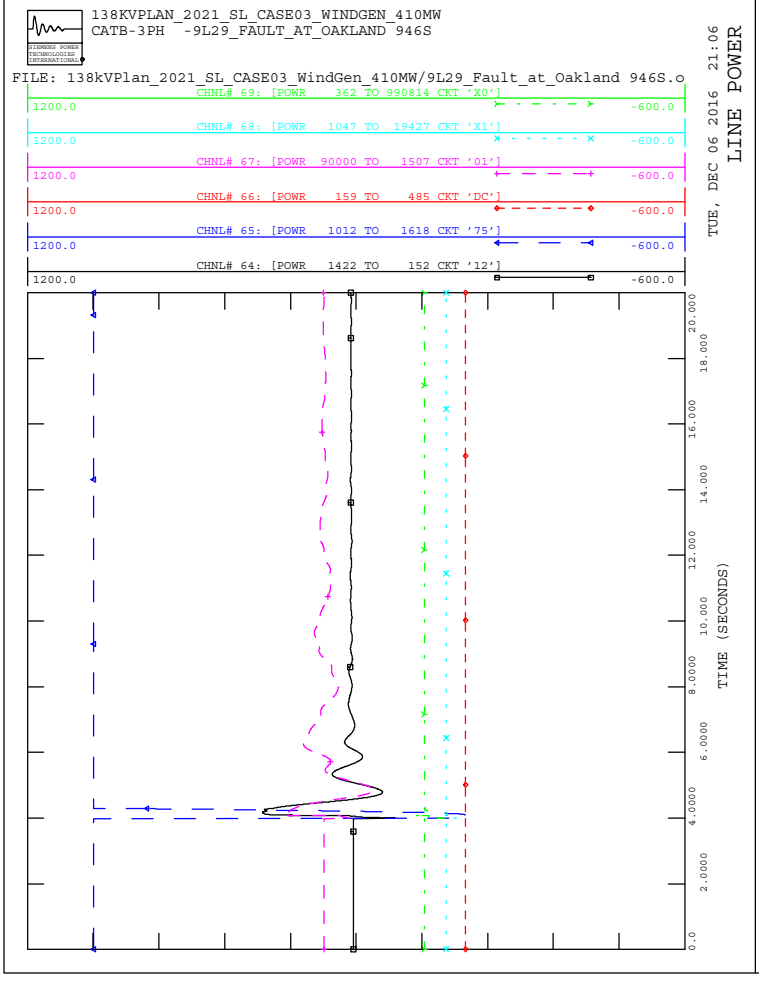
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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-600.0
TUE, DEC 06 2016 21:06
LINE POWER
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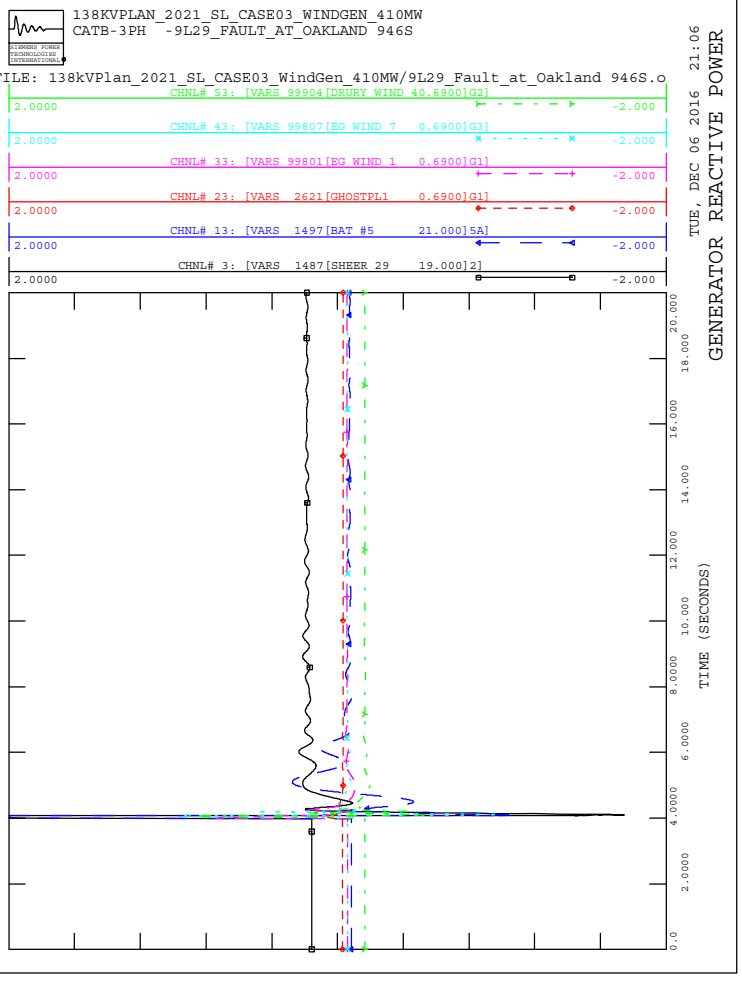
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
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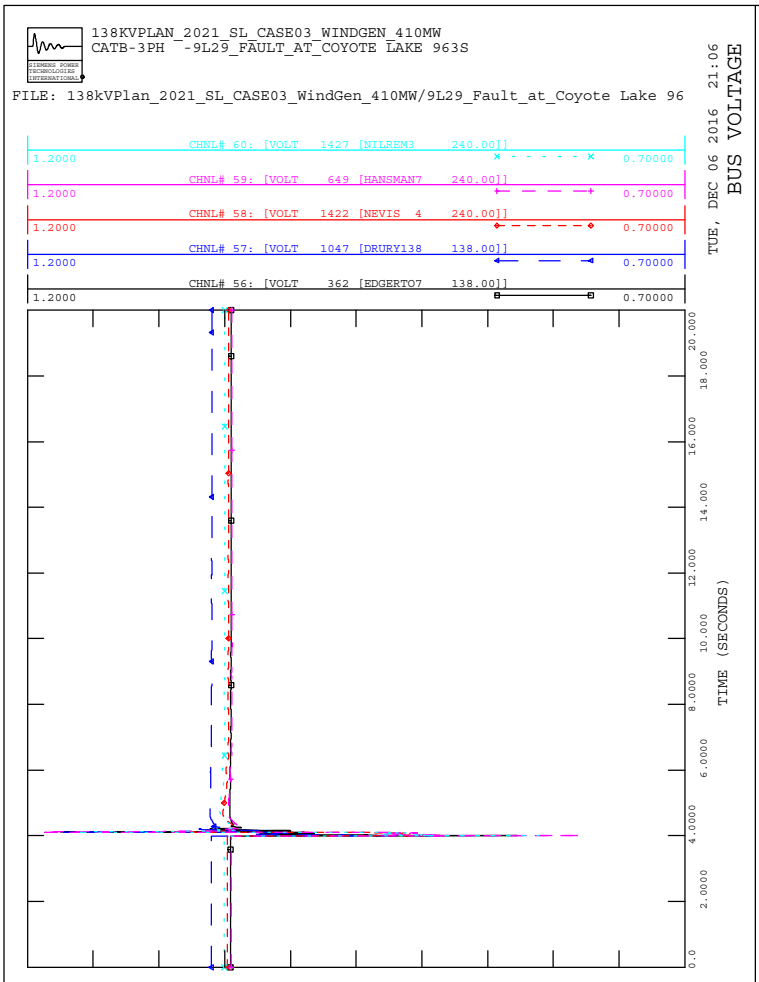
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
TUE, DEC 06 2016 21:06
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
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0.70000
TIME (SECONDS)
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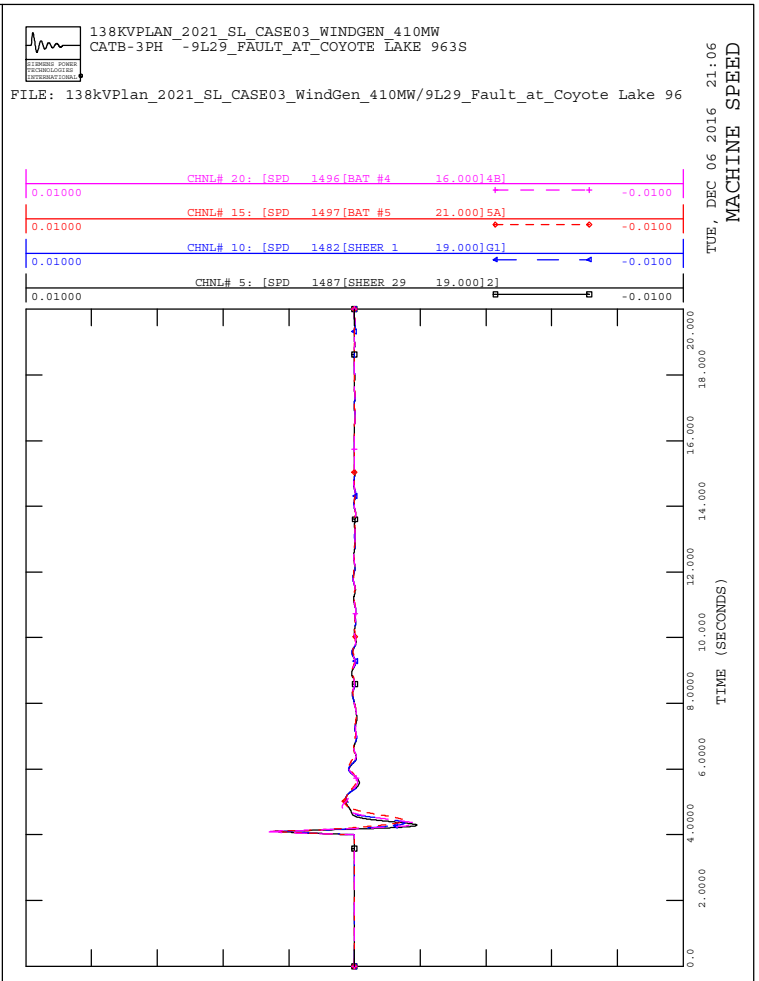
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
TUE, DEC 06 2016 21:06
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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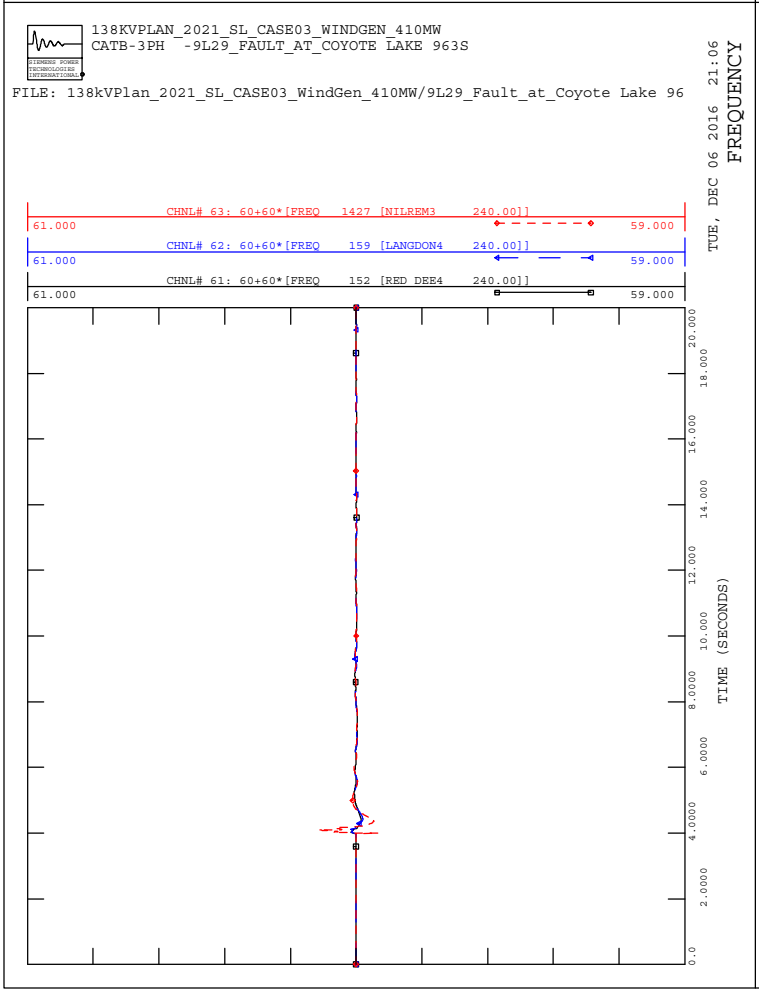
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
TUE, DEC 06 2016 21:06
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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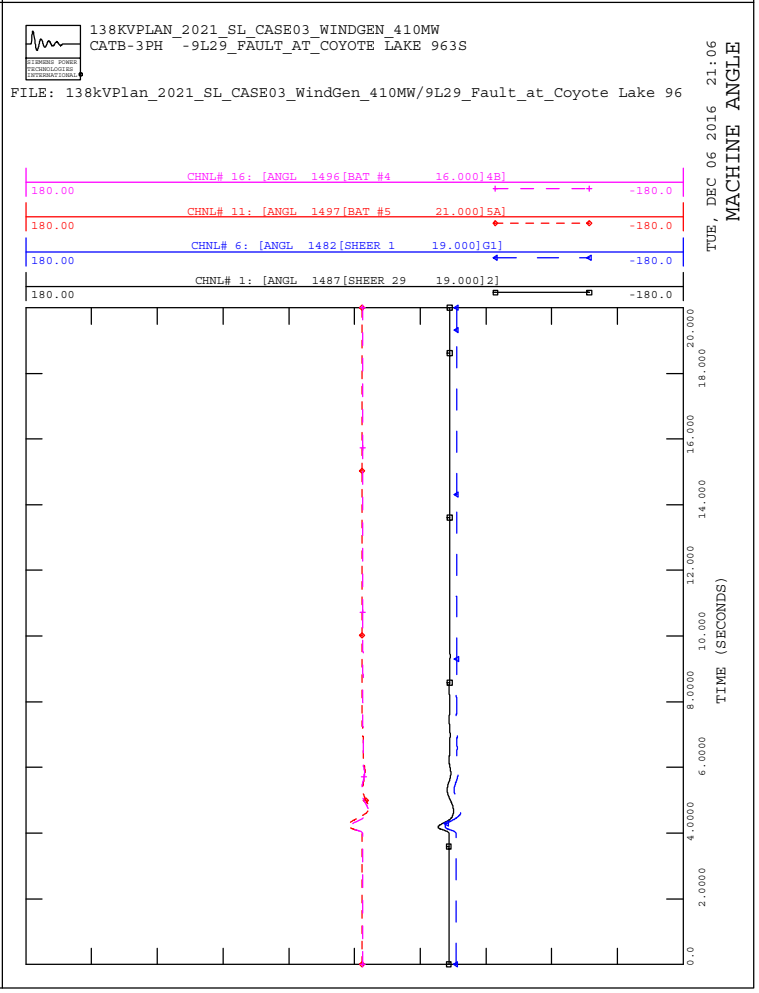
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
TUE, DEC 06 2016 21:06
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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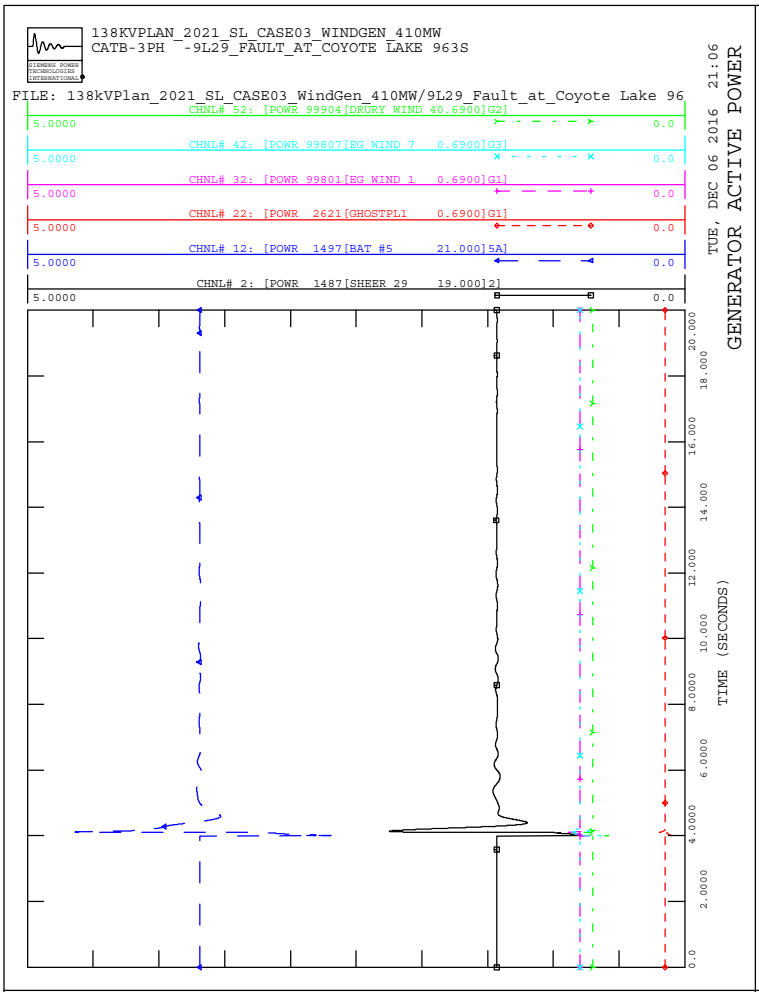
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
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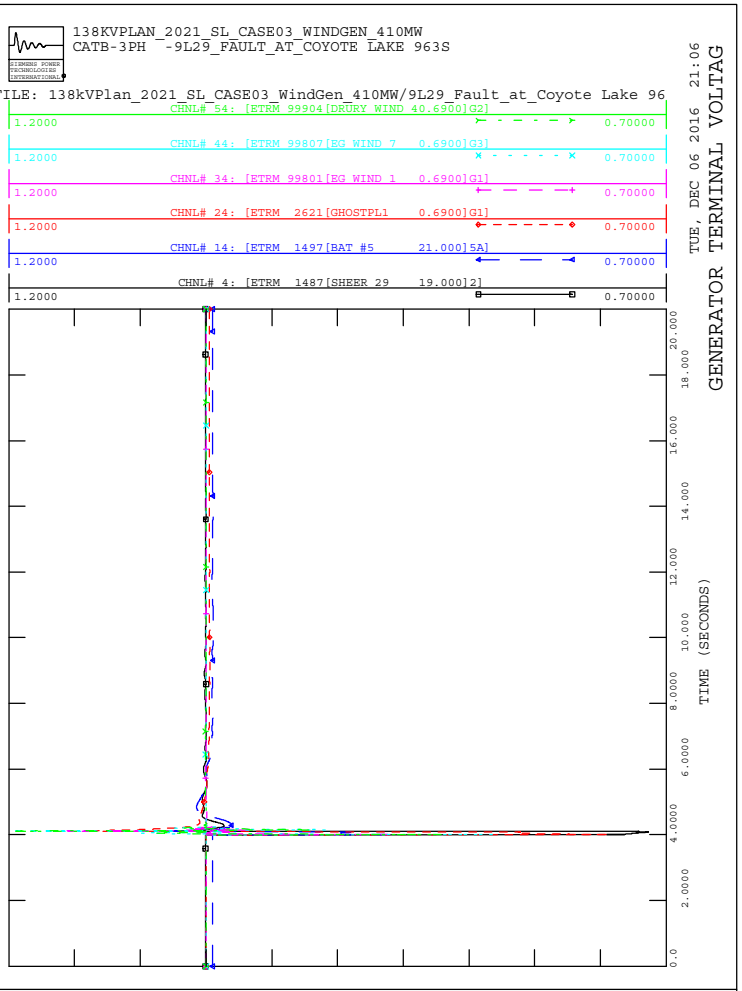
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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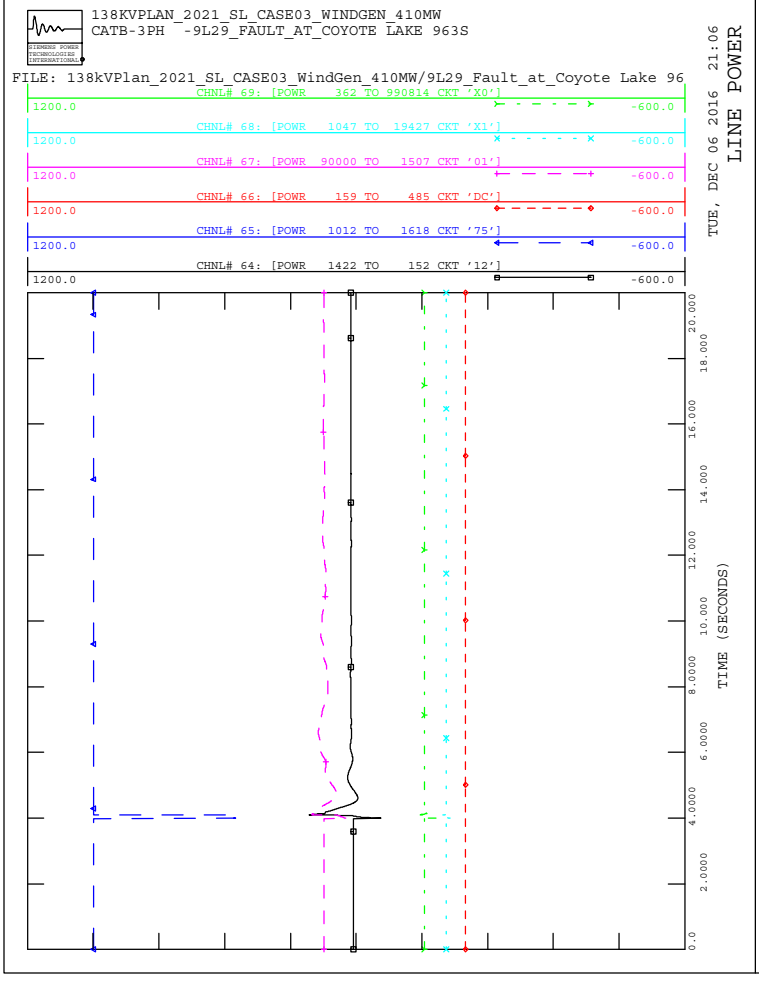
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
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4.0000
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12.000
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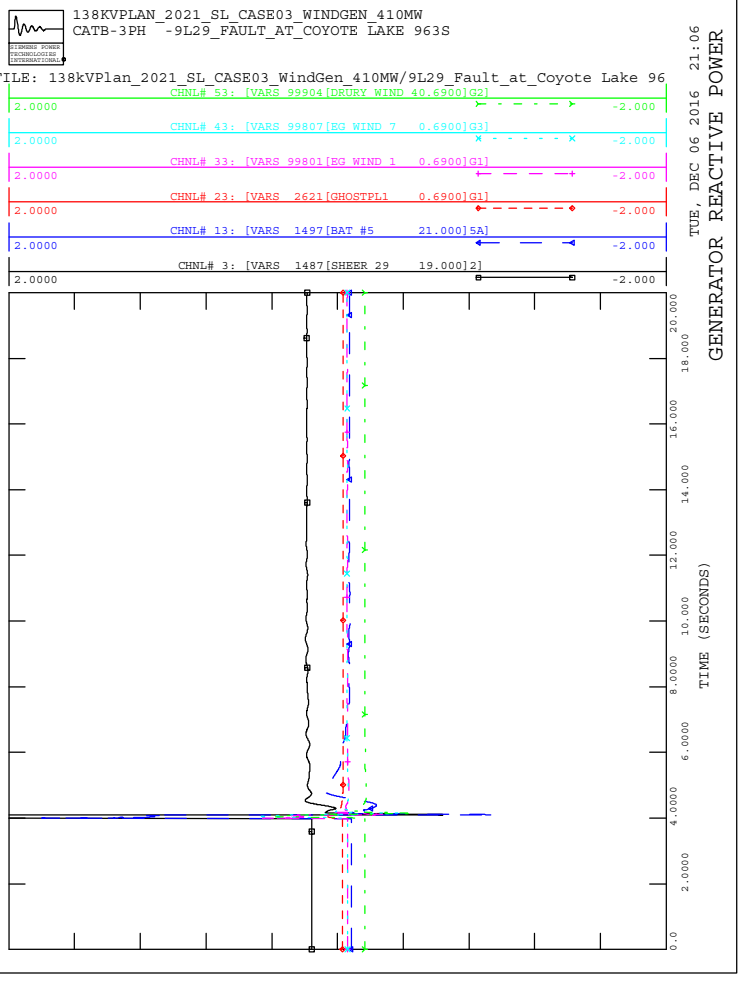
20.000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CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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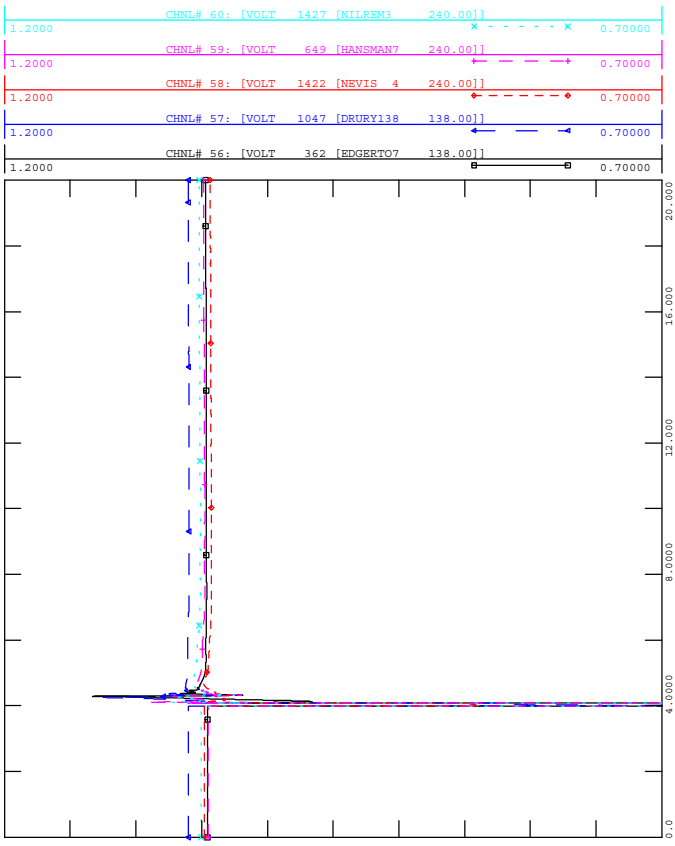
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:06

BUS VOLTAGE

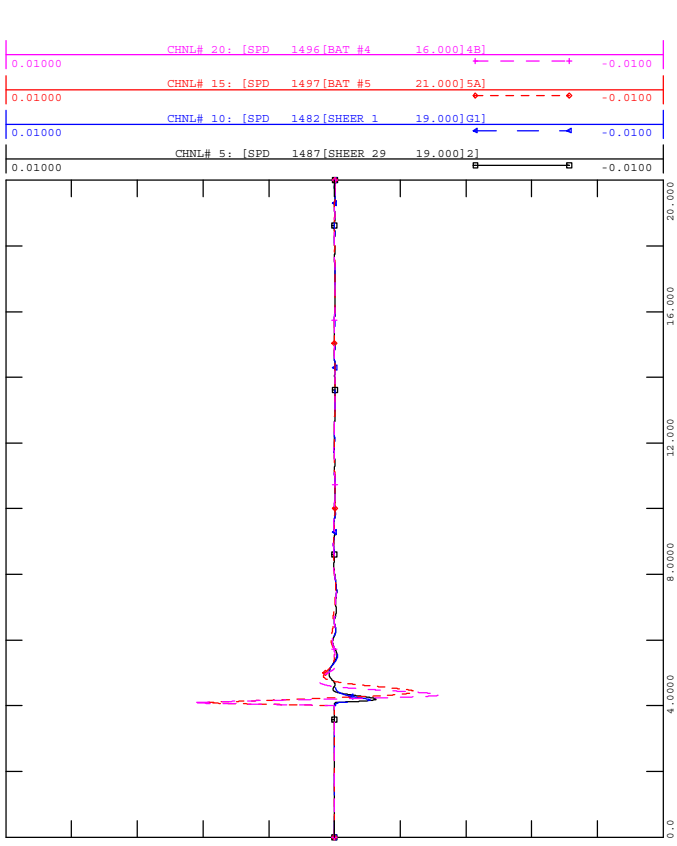


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:06

MACHINE SPEED

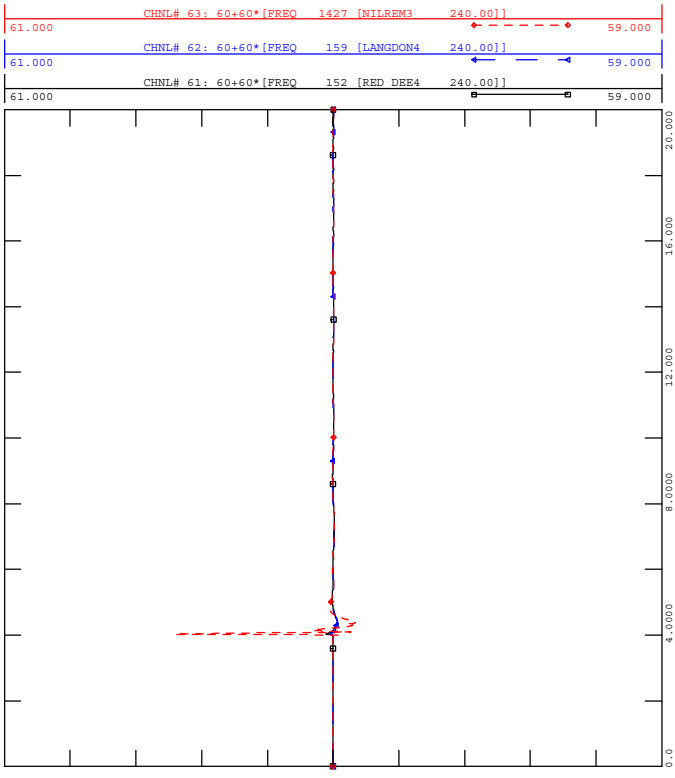


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:06

FREQUENCY

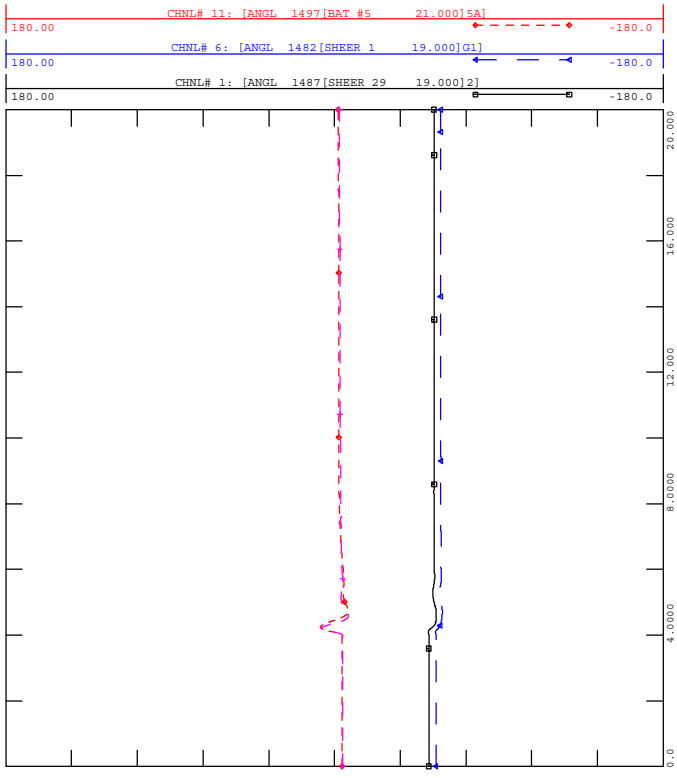


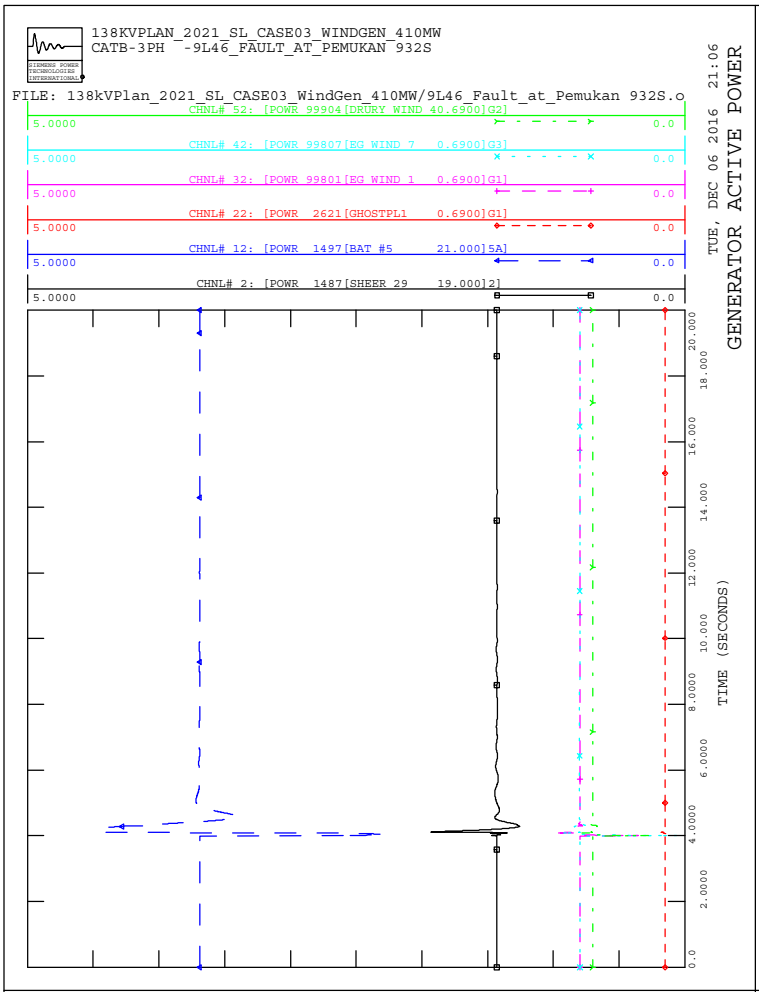
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:06

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
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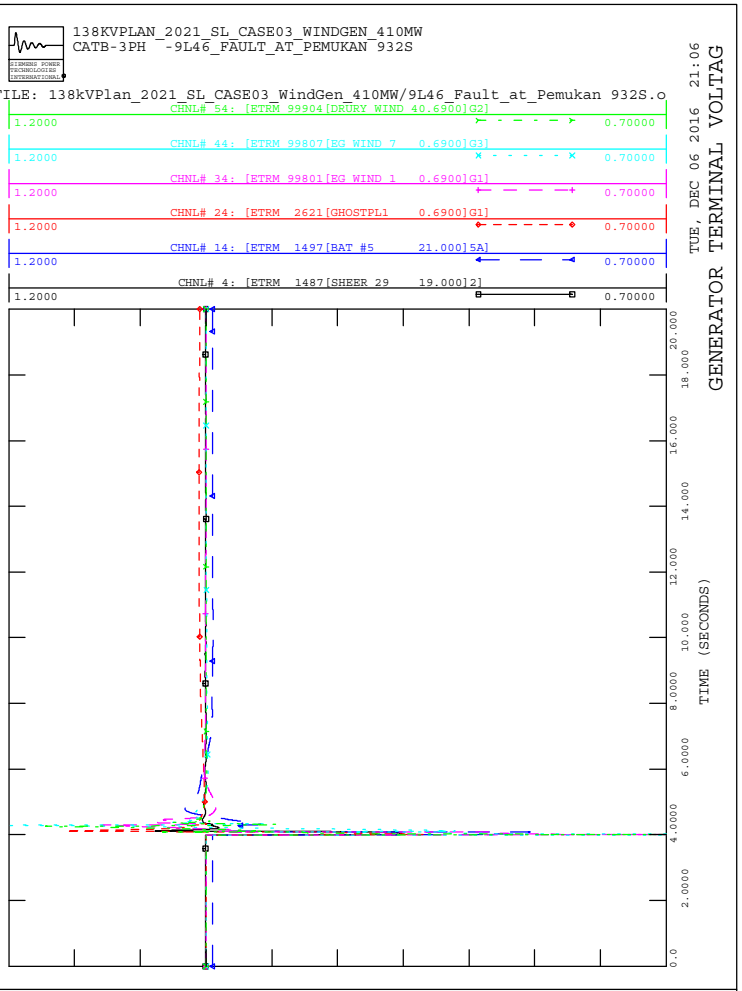
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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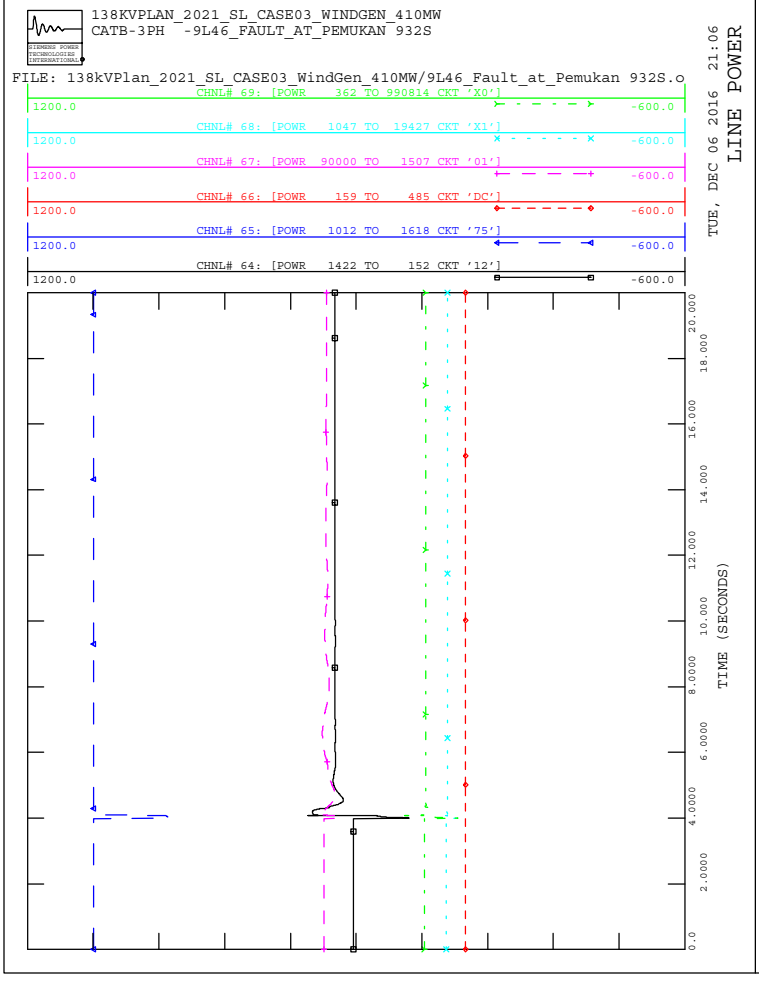
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
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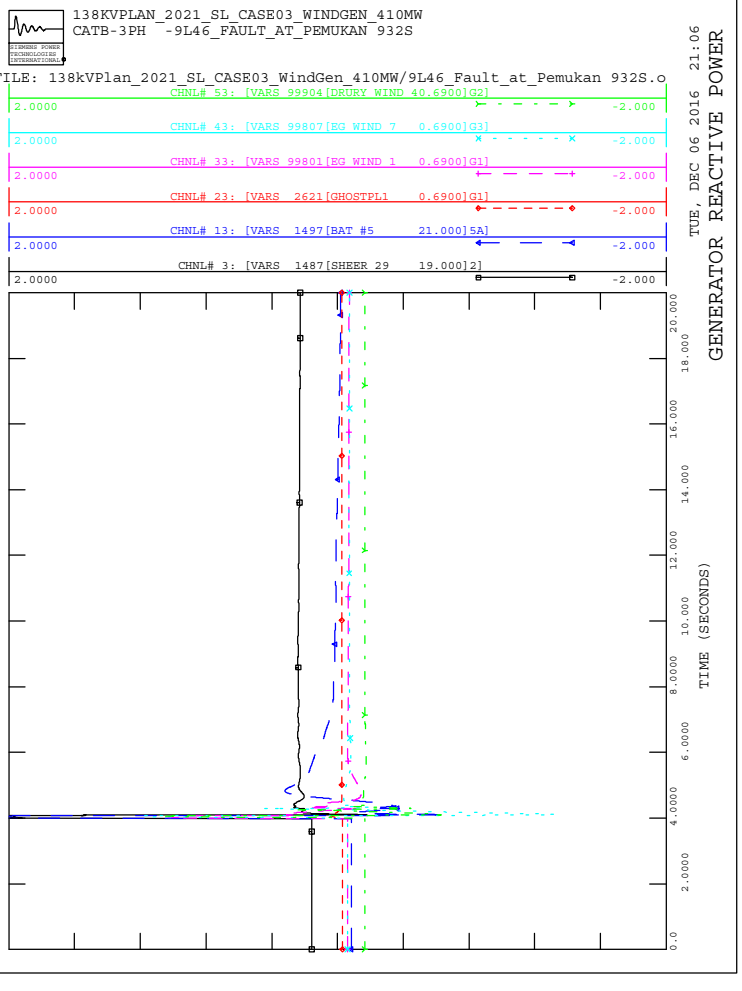
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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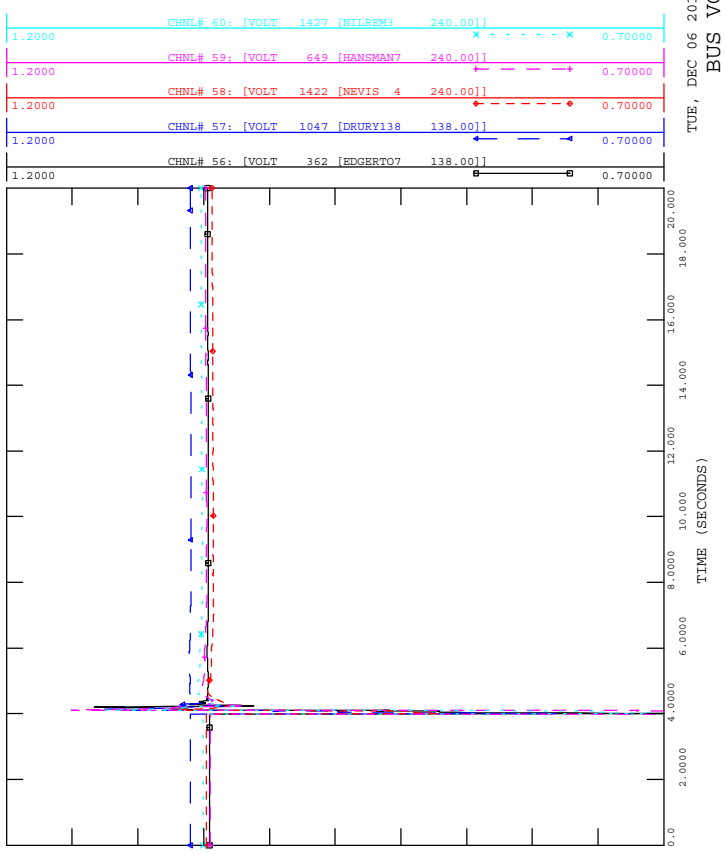
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:06

BUS VOLTAGE

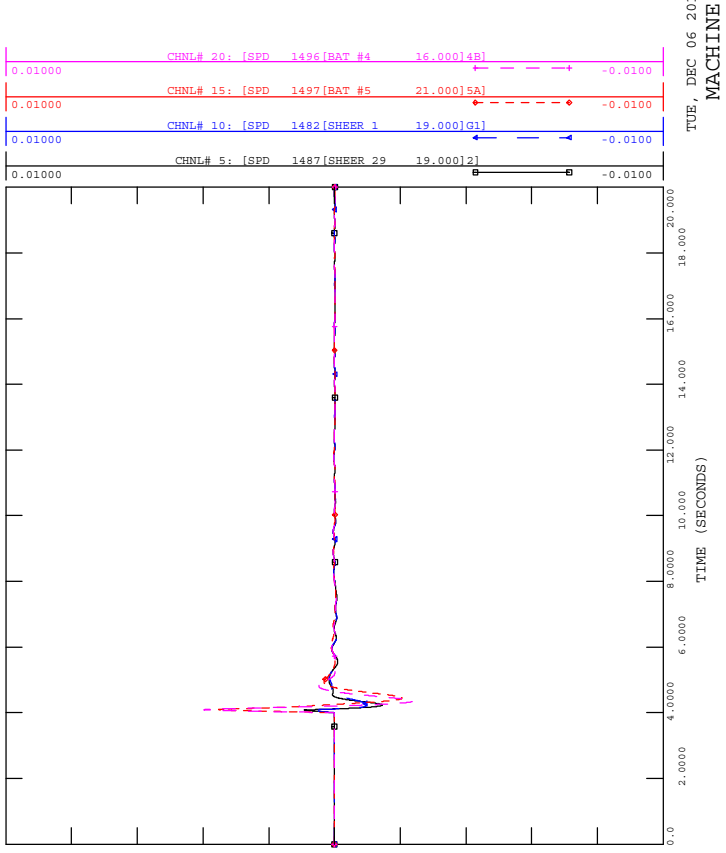


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:06

MACHINE SPEED

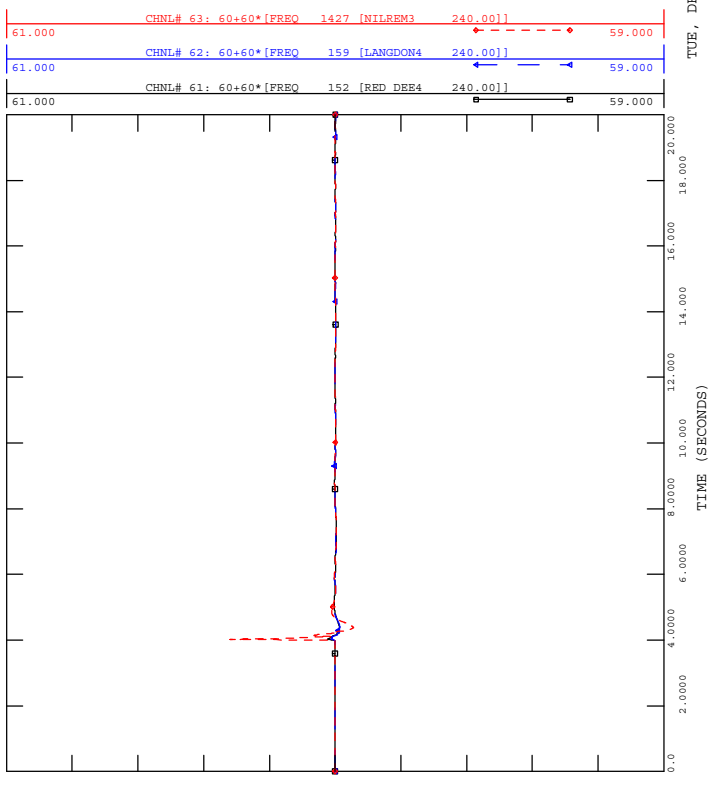


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:06

FREQUENCY

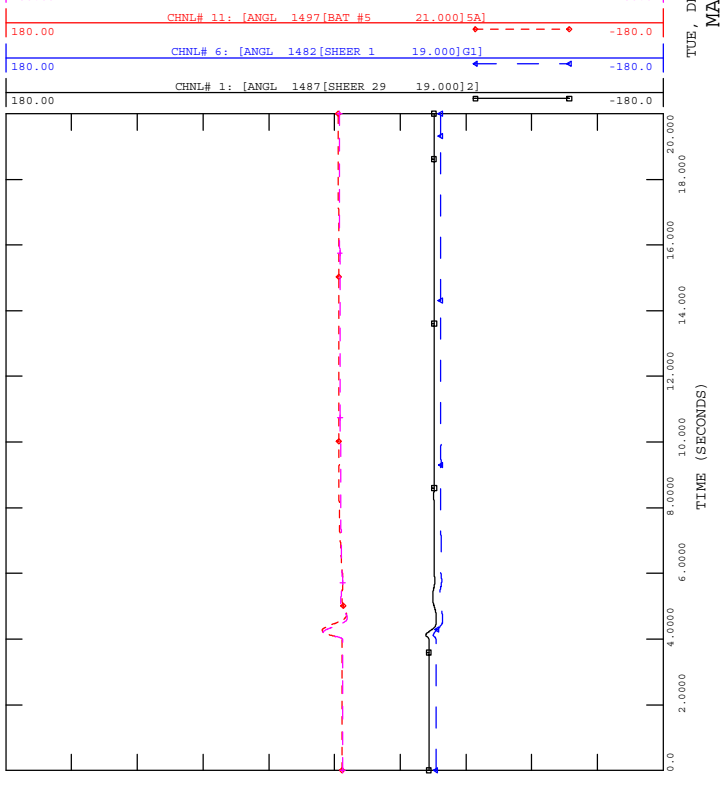


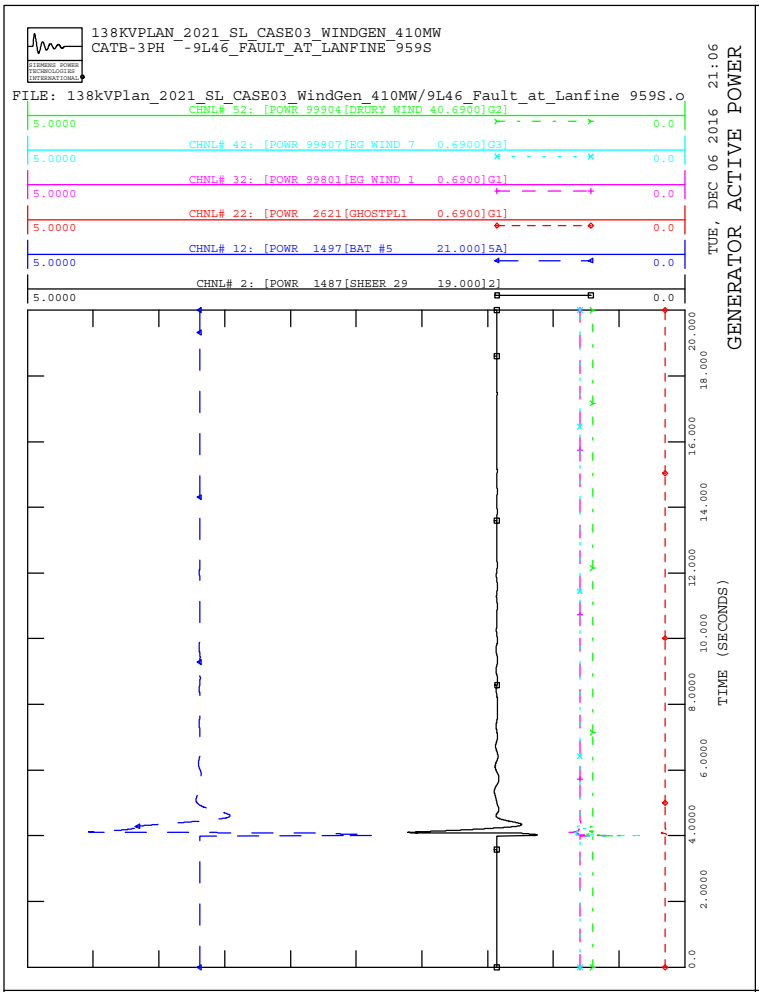
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

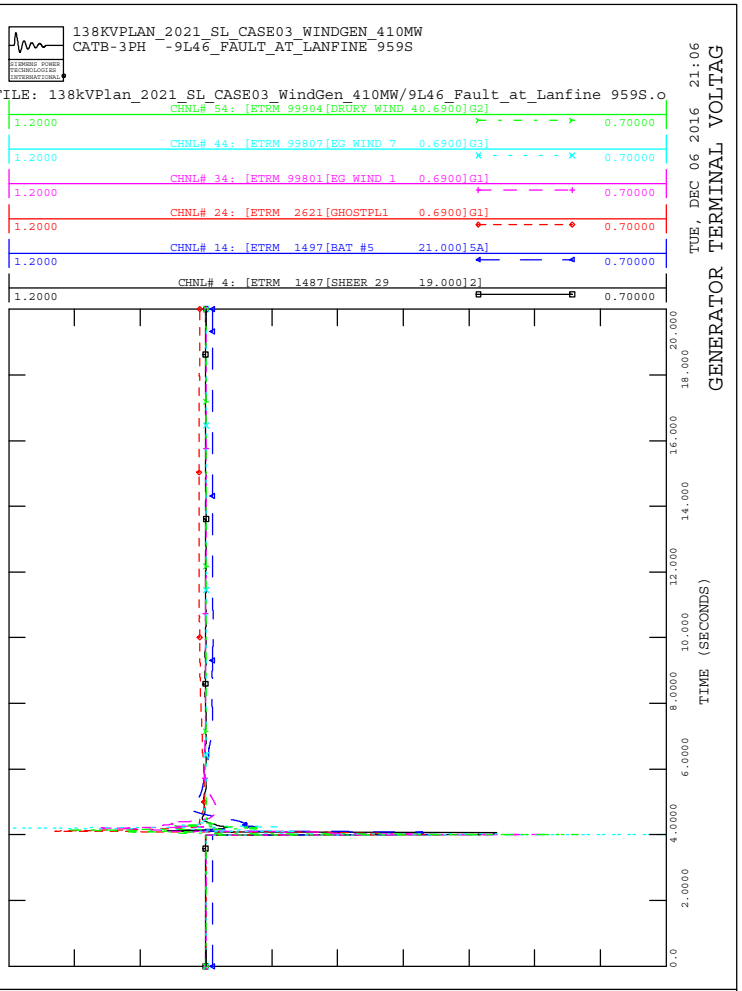
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

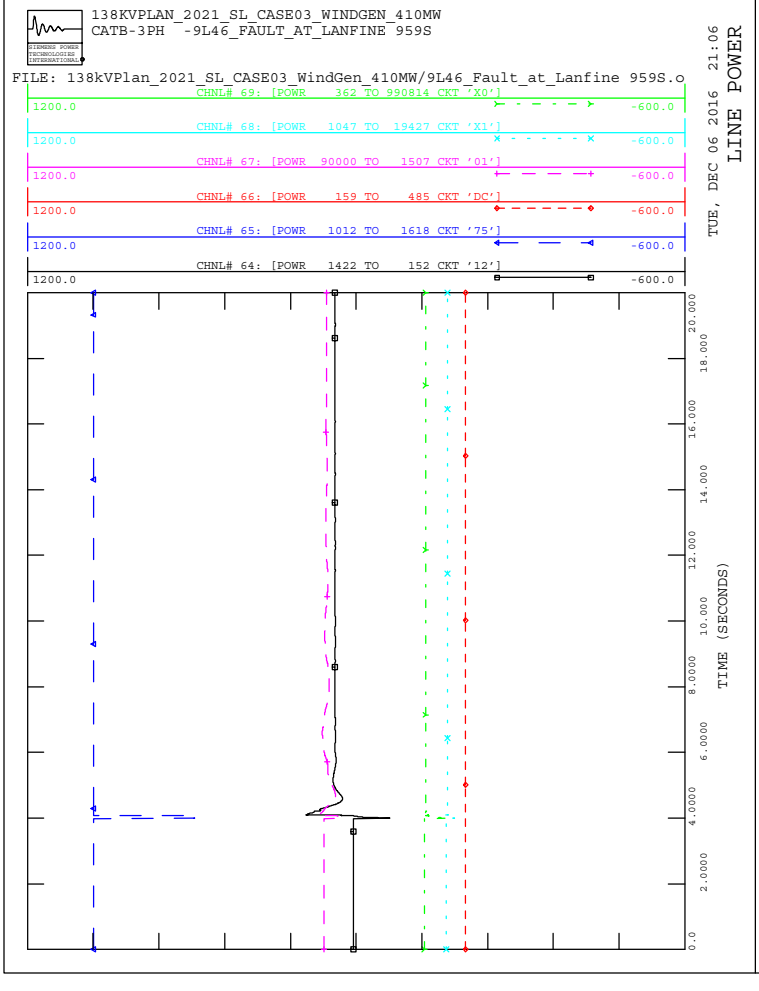
TUE, DEC 06 2016 21:06

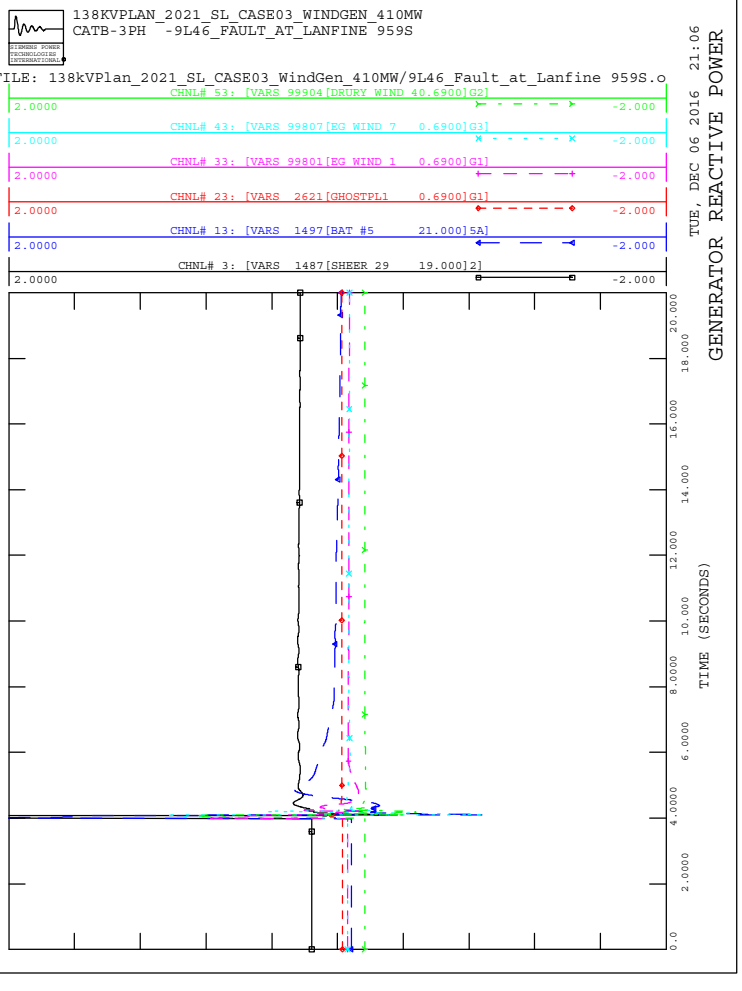
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

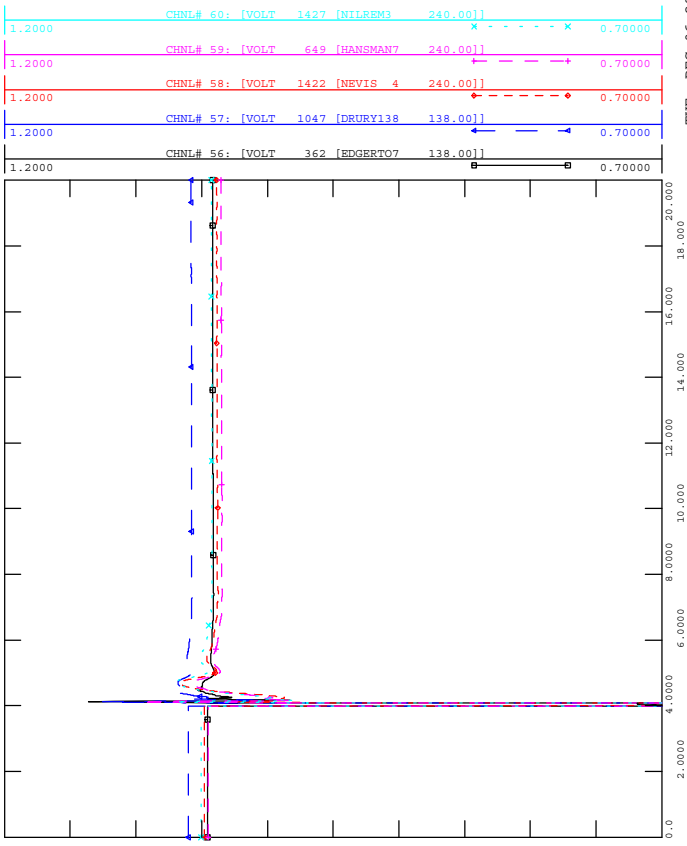

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:06

BUS VOLTAGE

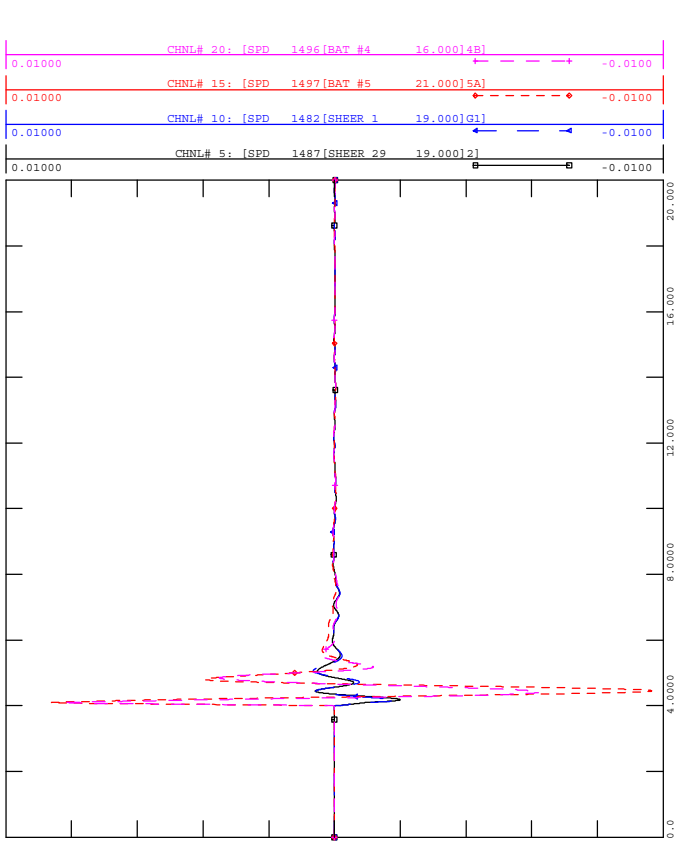


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:06

MACHINE SPEED

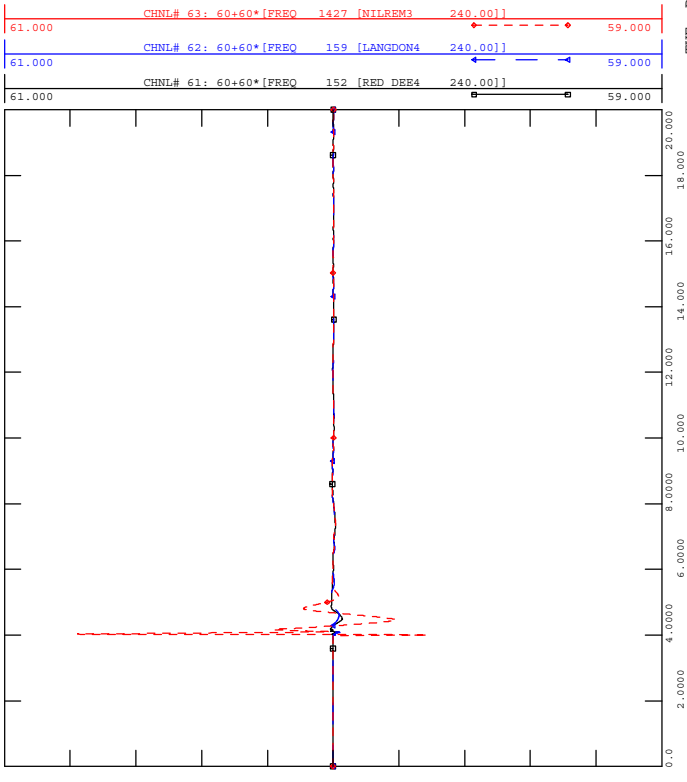


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:06

FREQUENCY

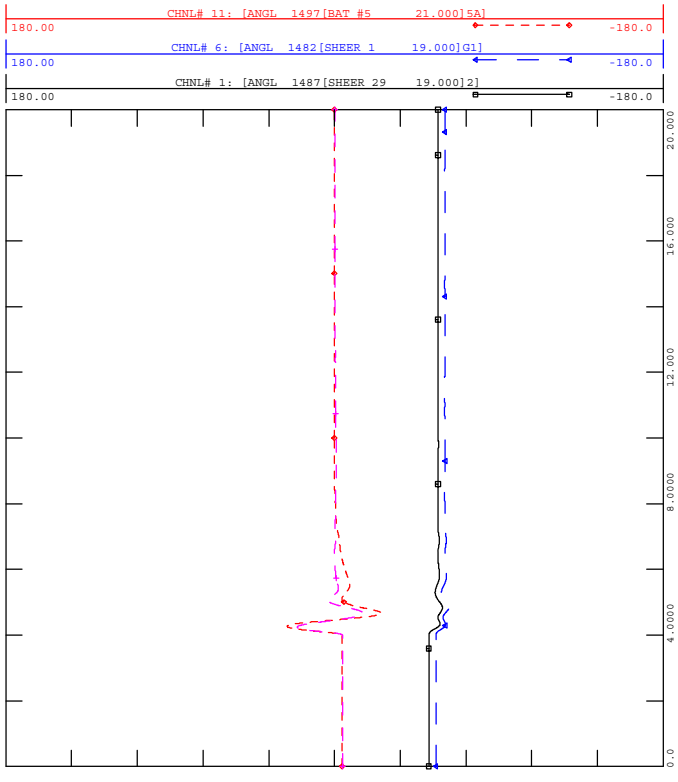


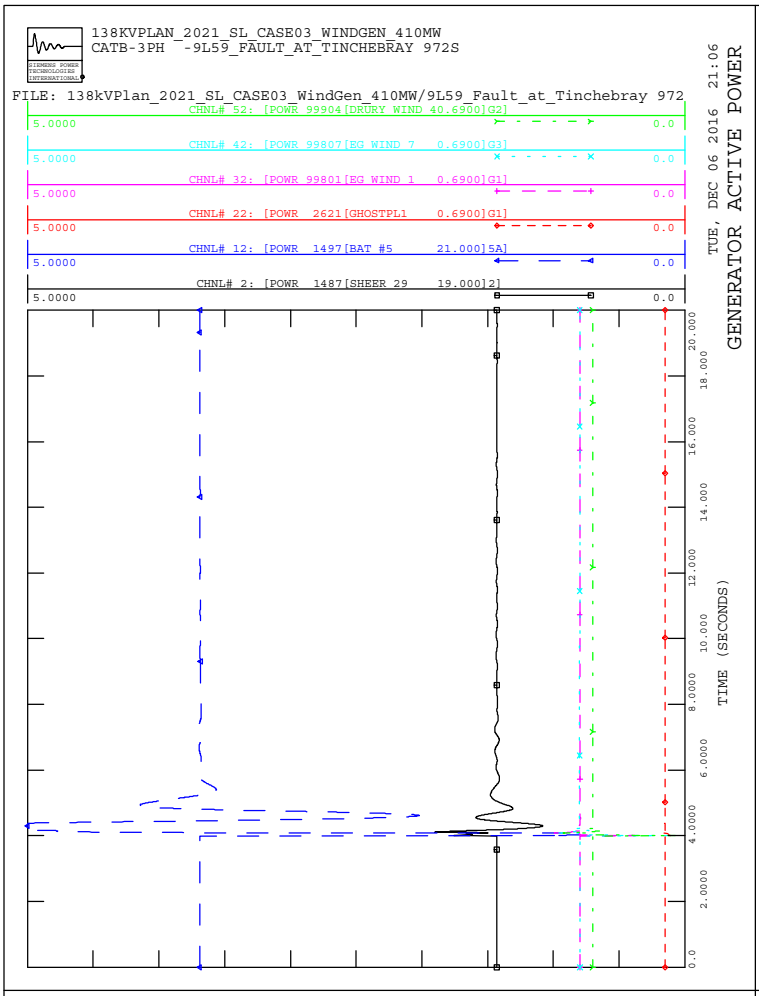
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:06

MACHINE ANGLE

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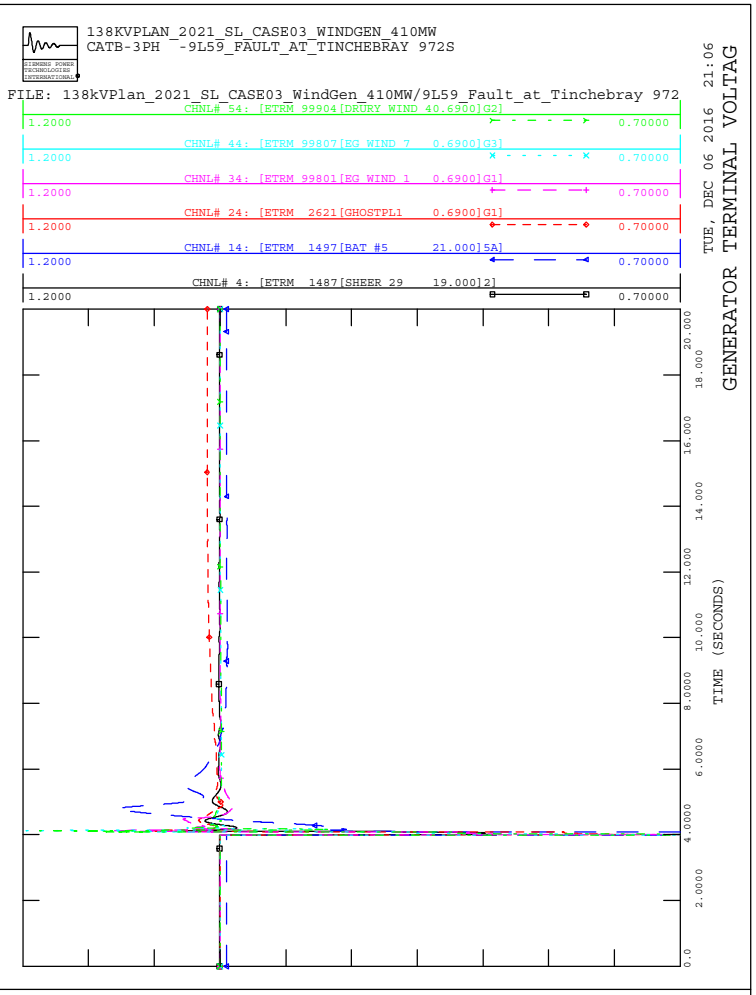
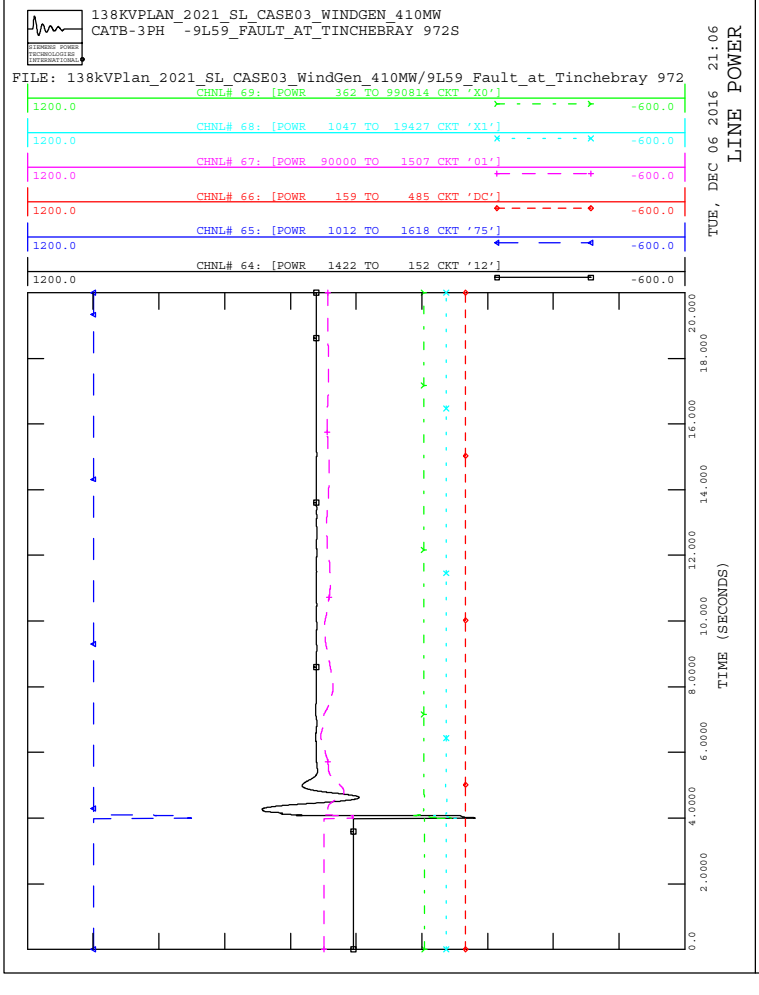
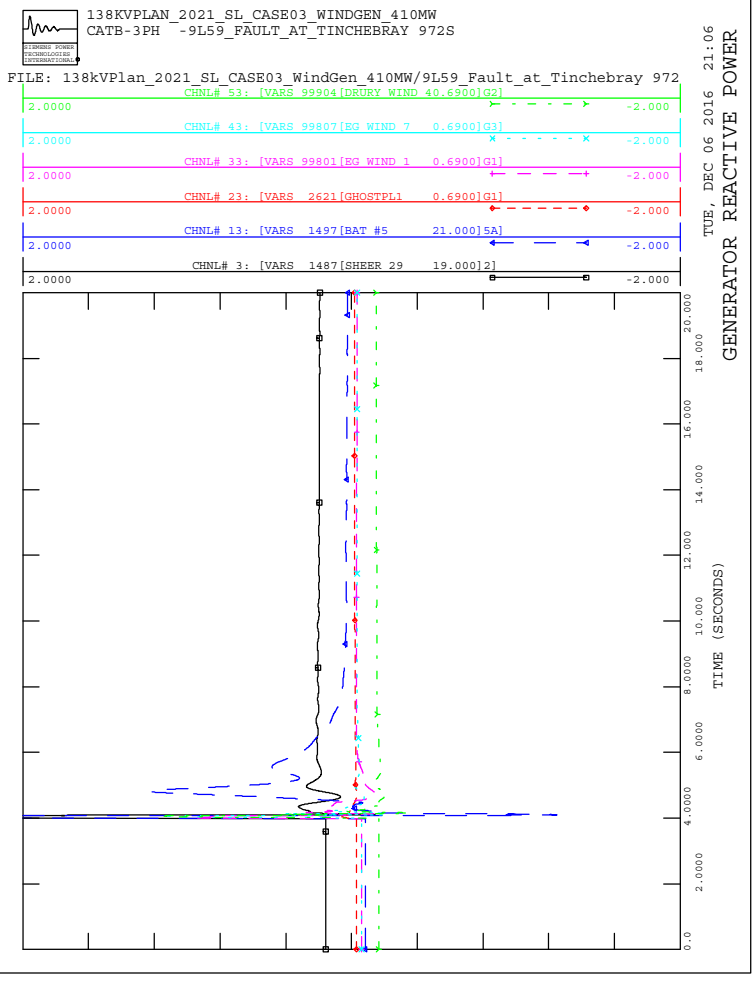
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)

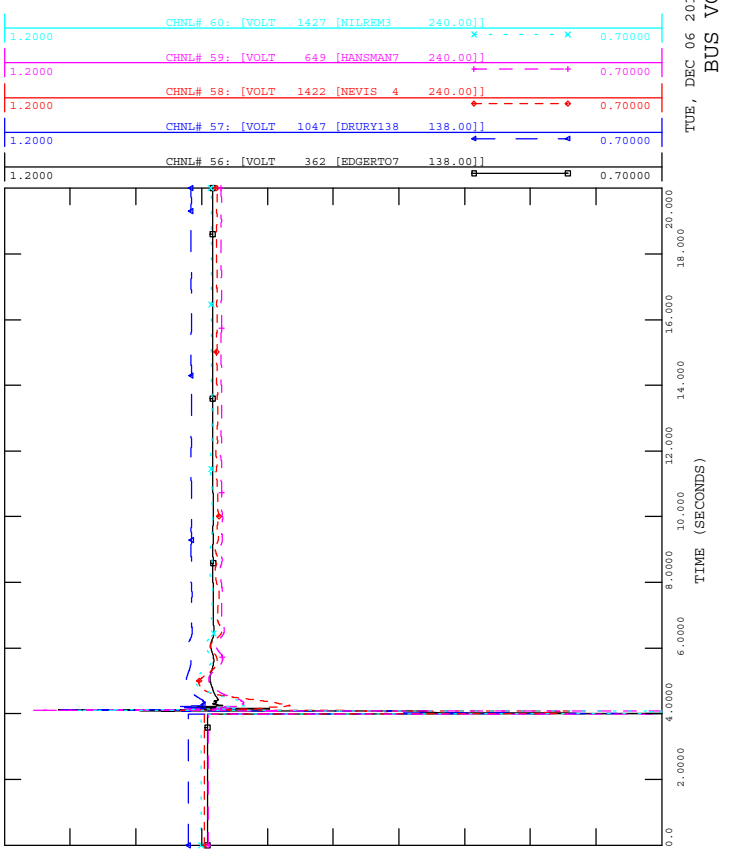

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:06

BUS VOLTAGE

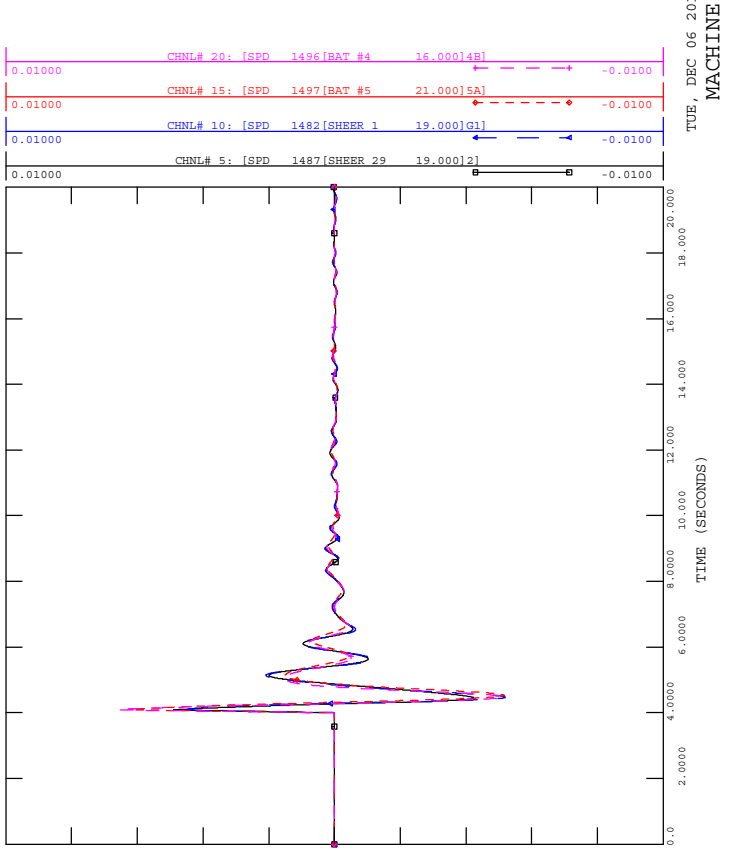


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:06

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:06

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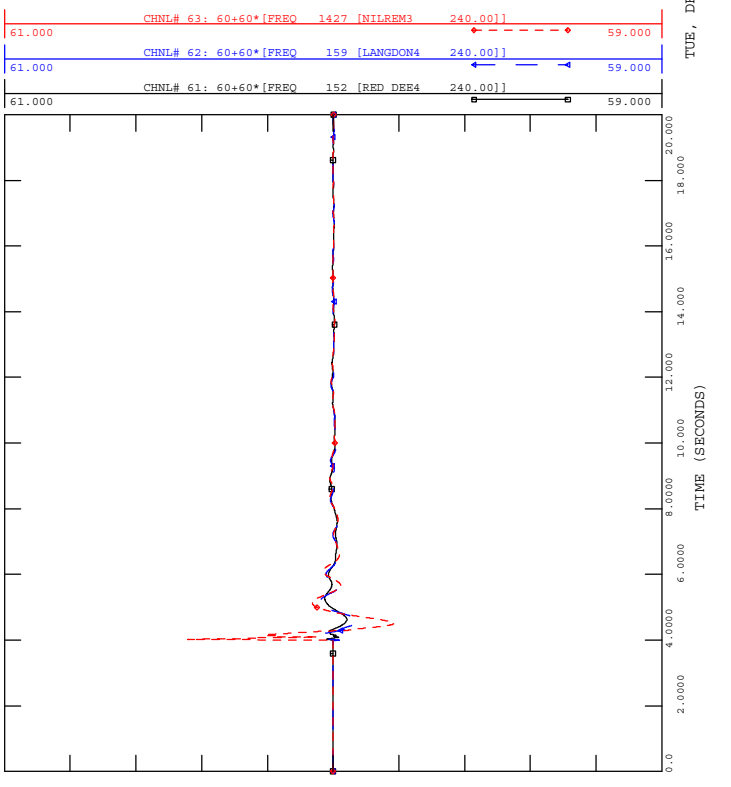
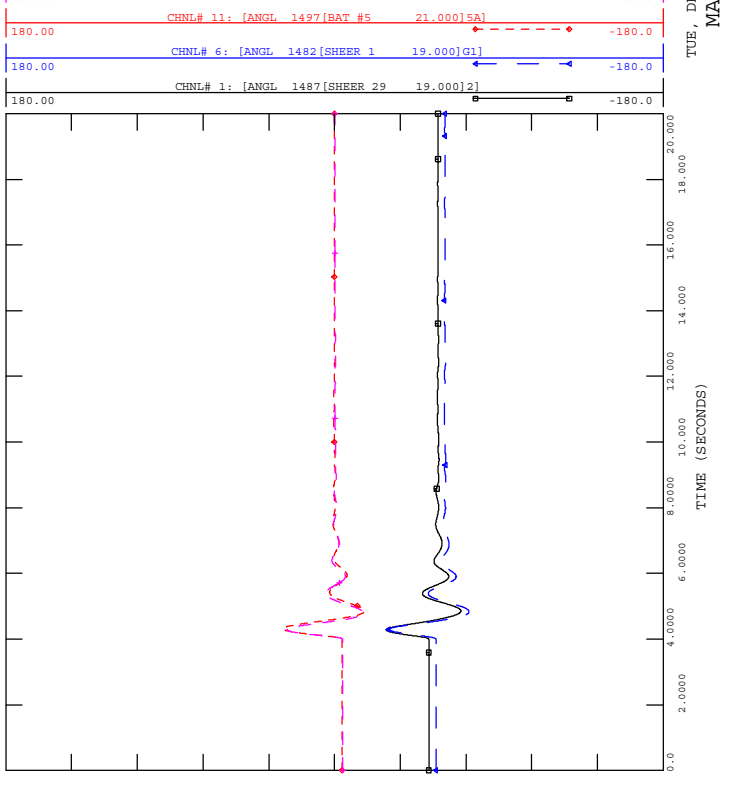


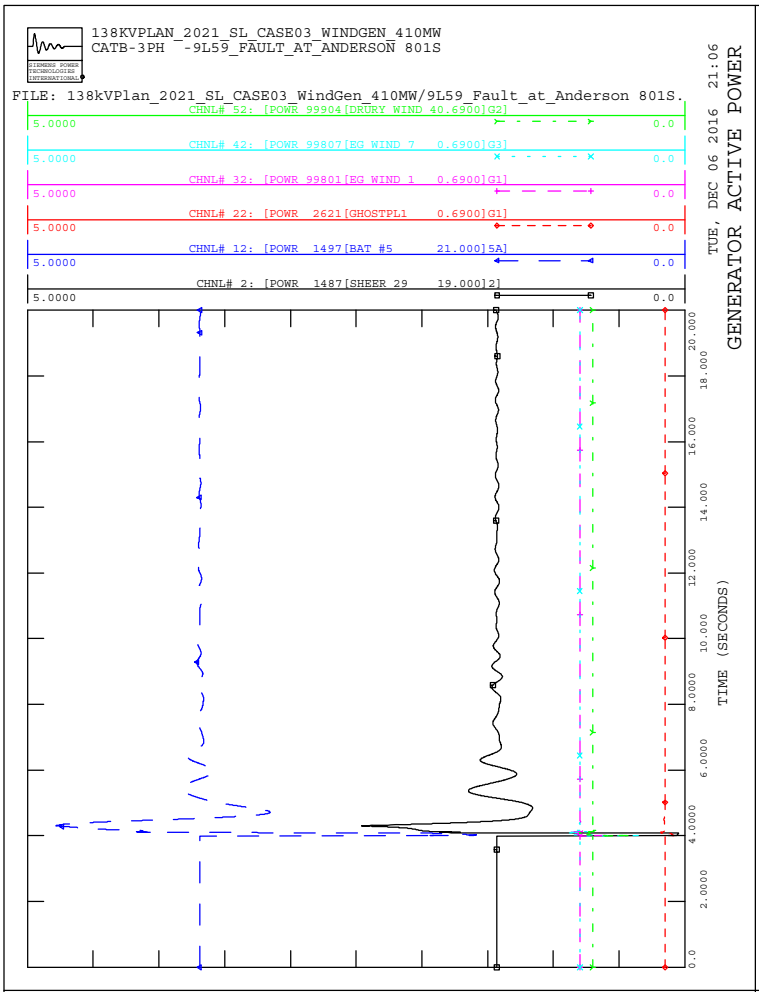
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:06

MACHINE ANGLE

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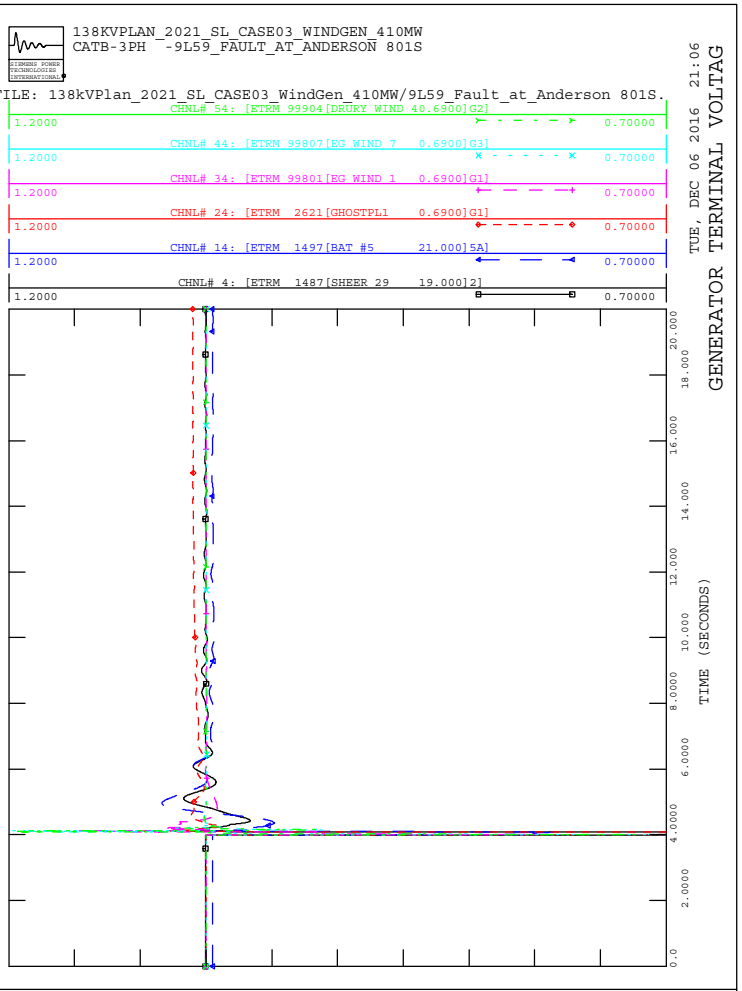
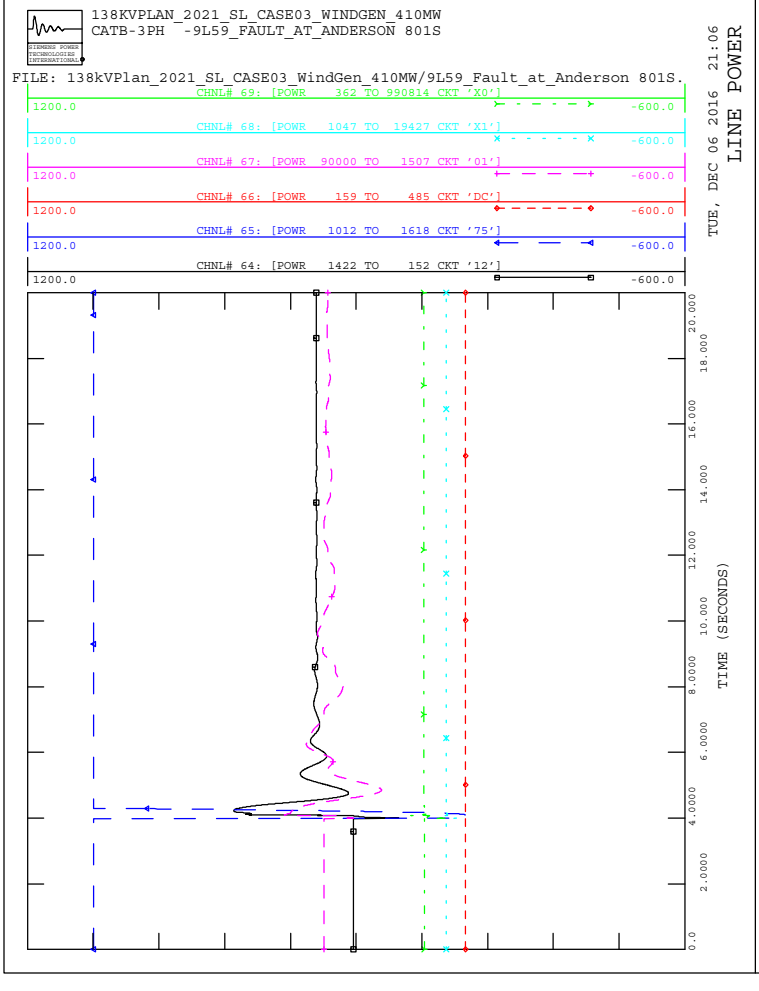
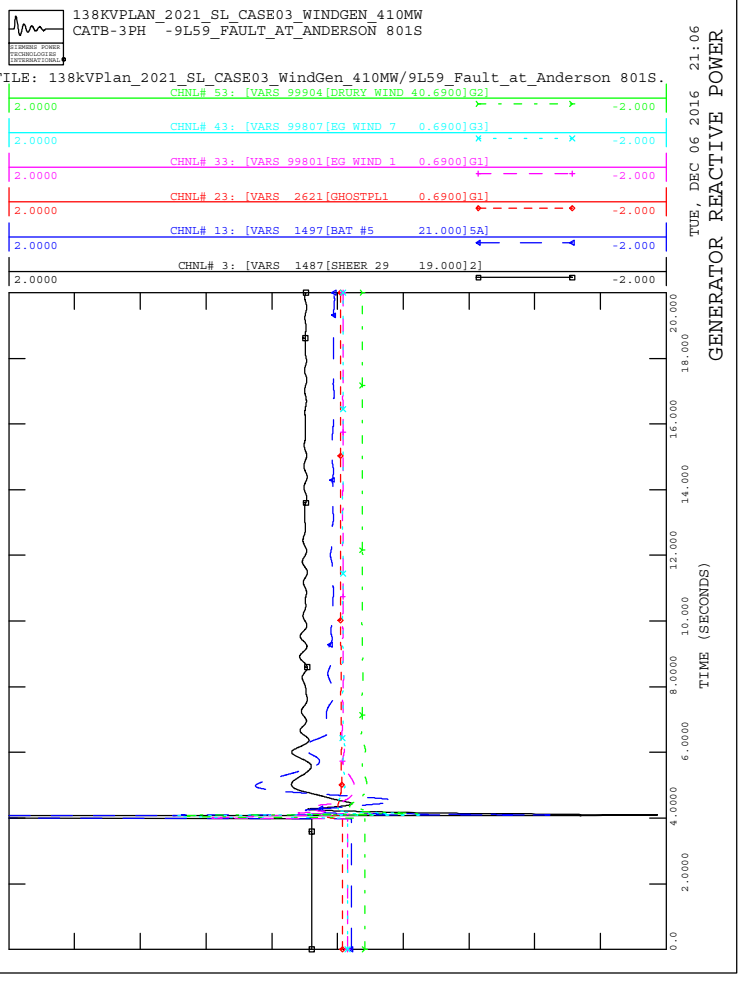
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

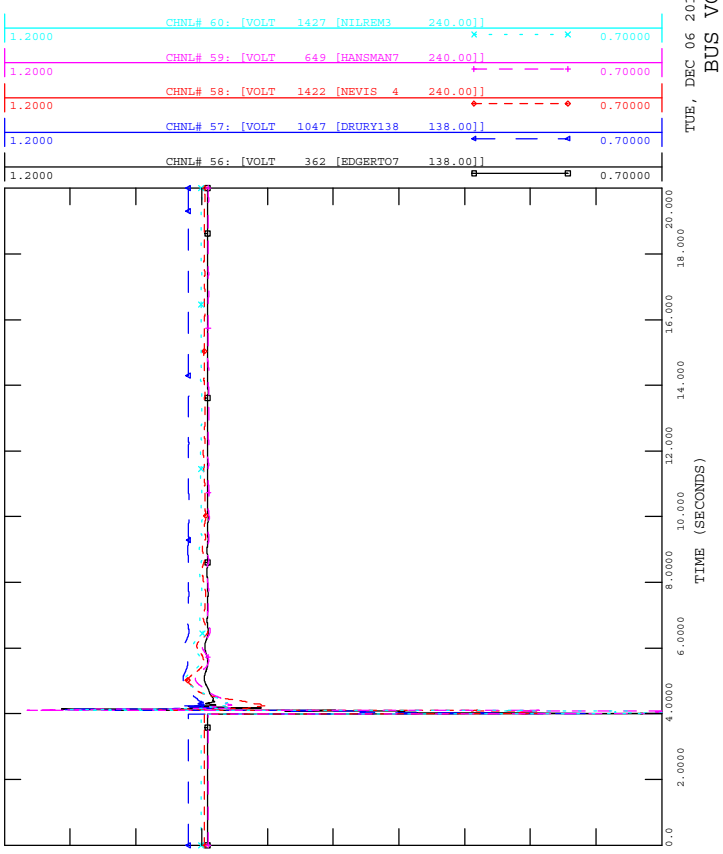

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

BUS VOLTAGE

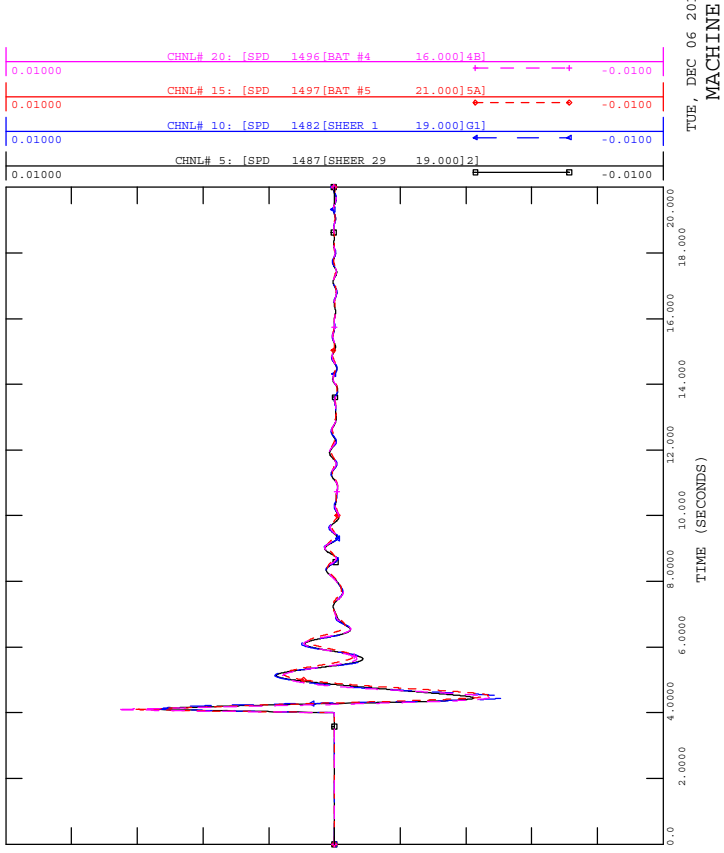


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

MACHINE SPEED

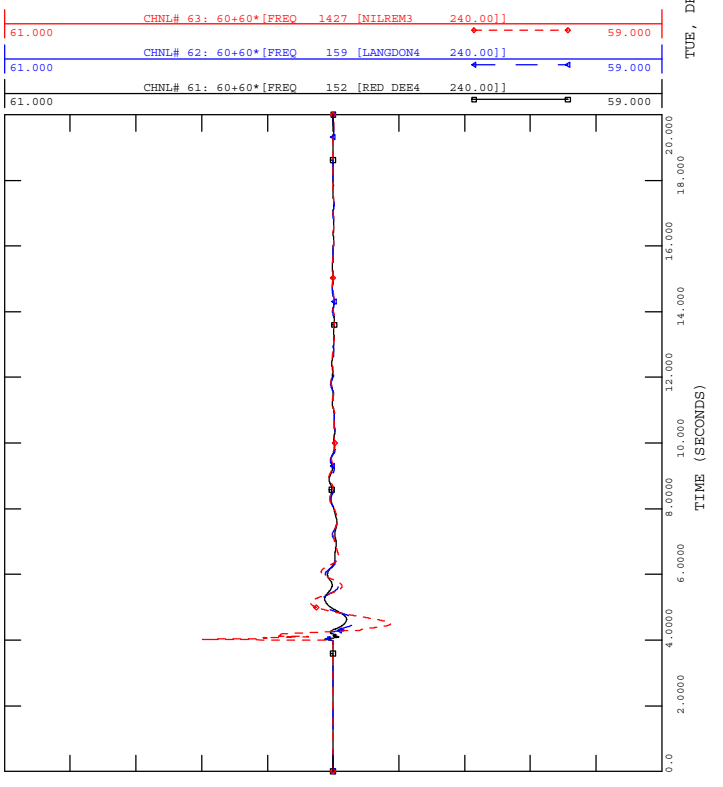


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

FREQUENCY

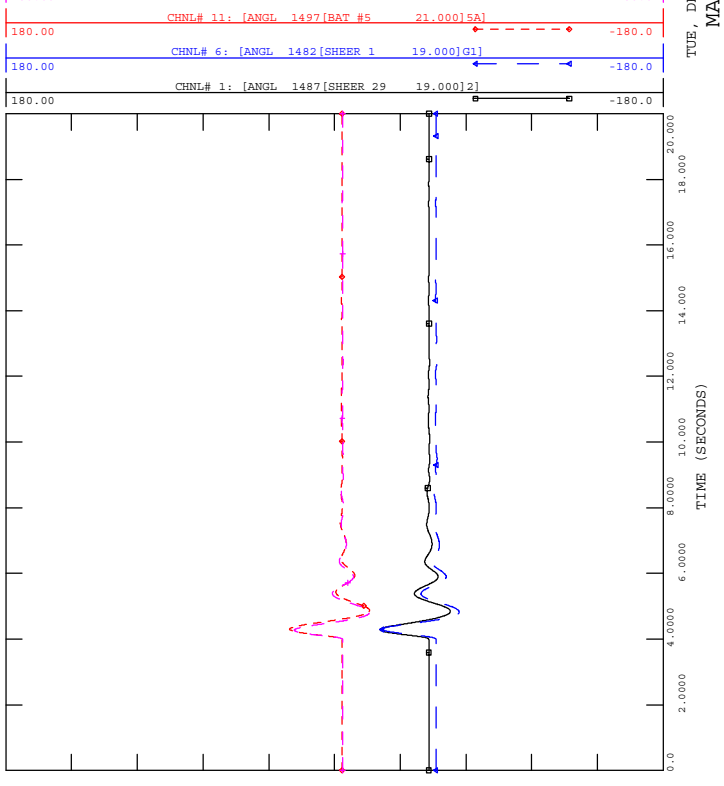


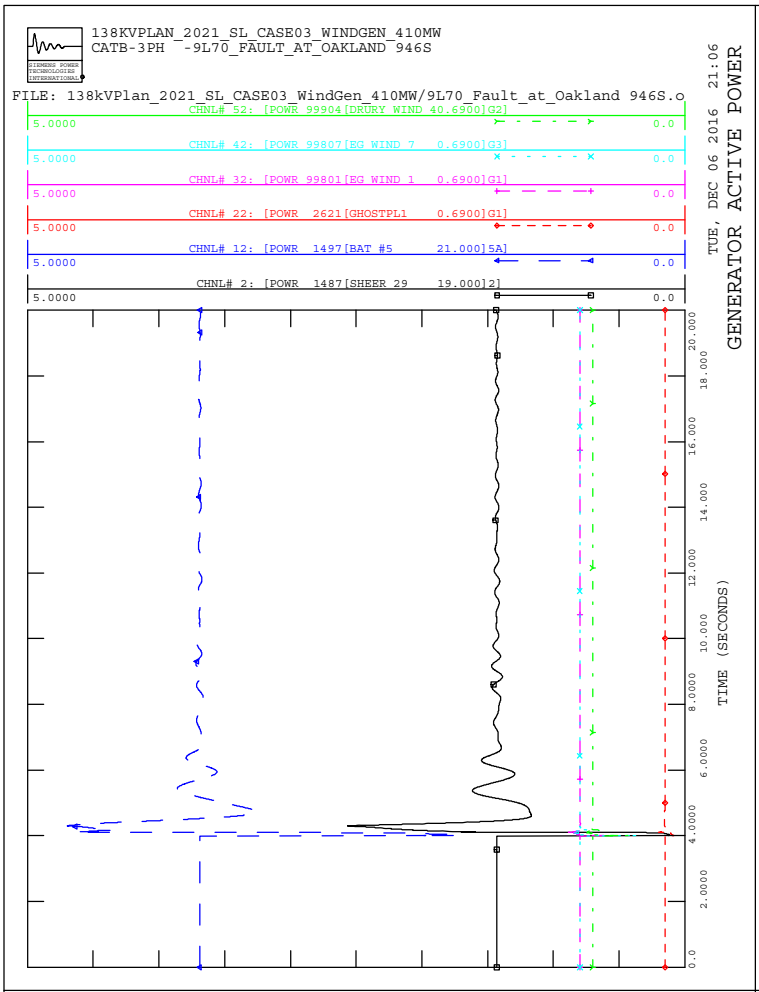
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

MACHINE ANGLE

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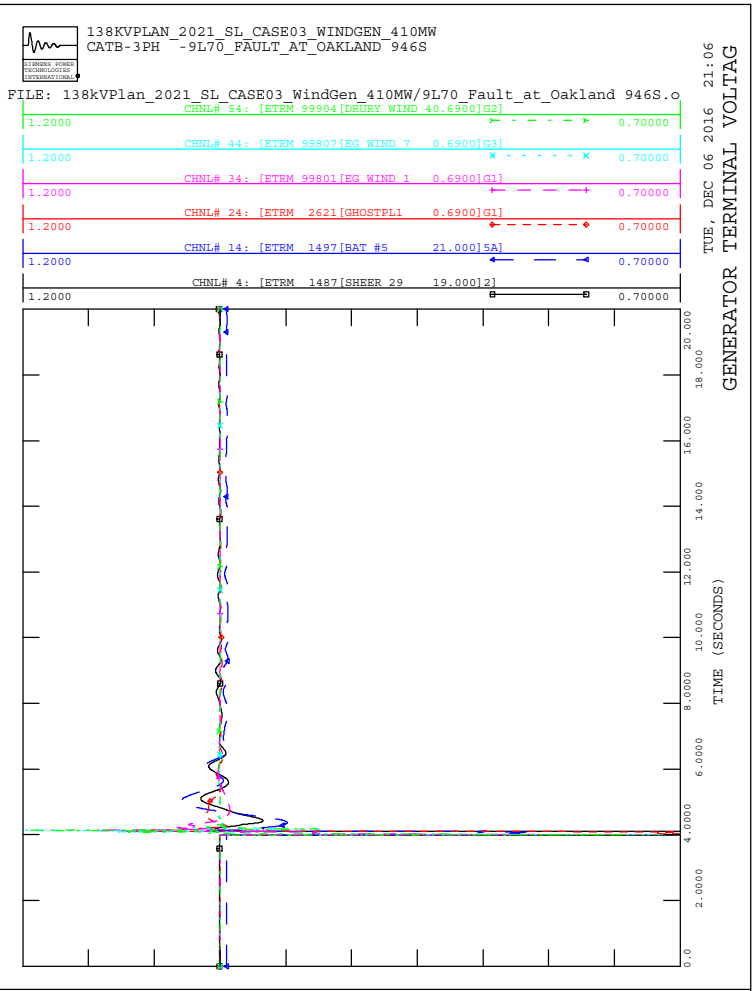
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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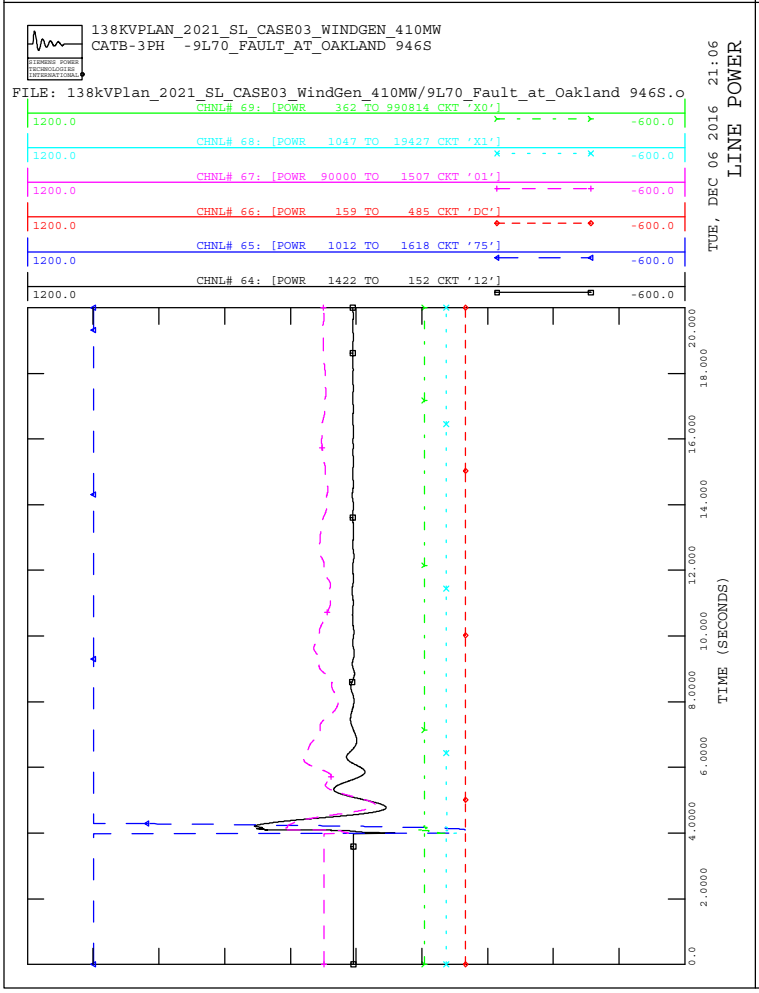
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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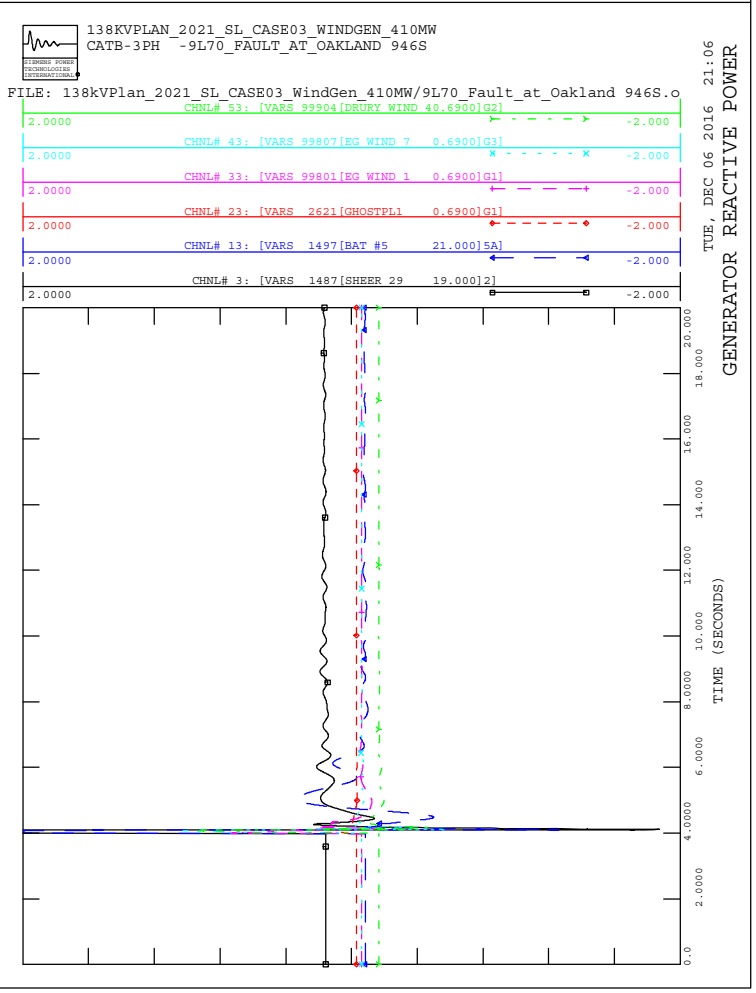
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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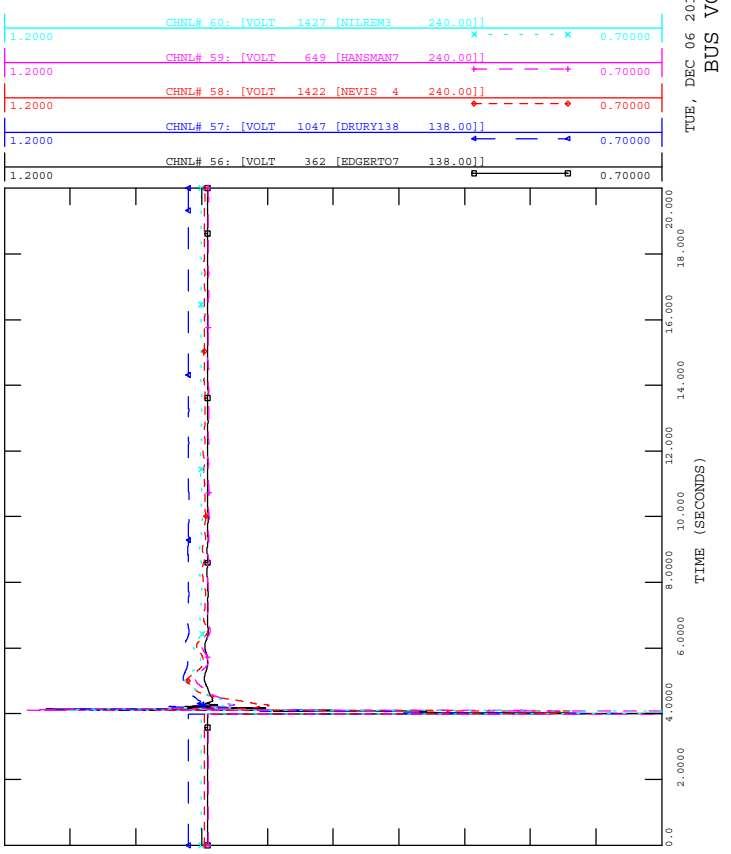
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:06

BUS VOLTAGE

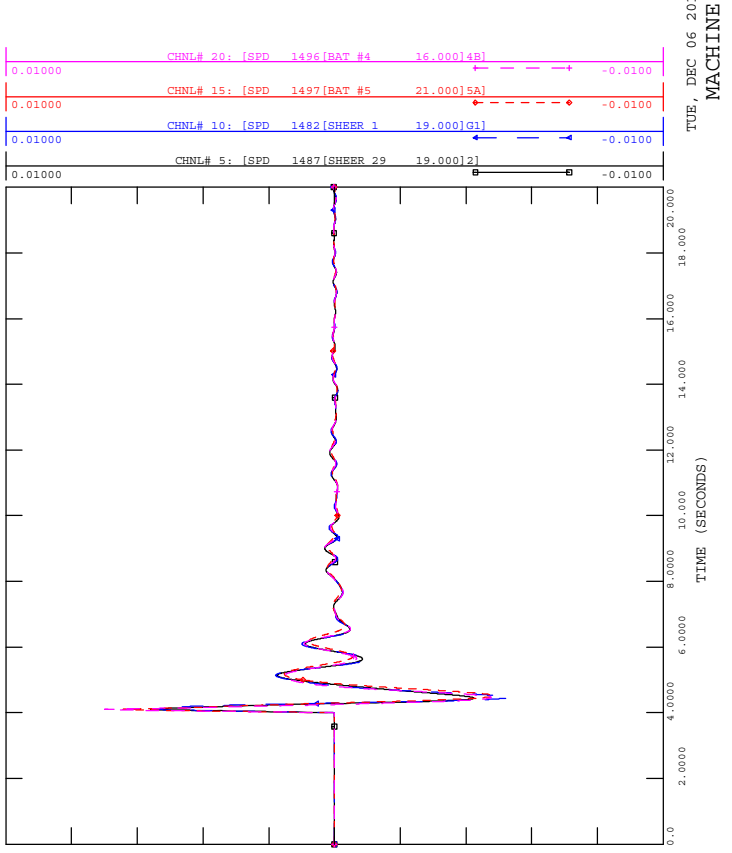


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:06

MACHINE SPEED



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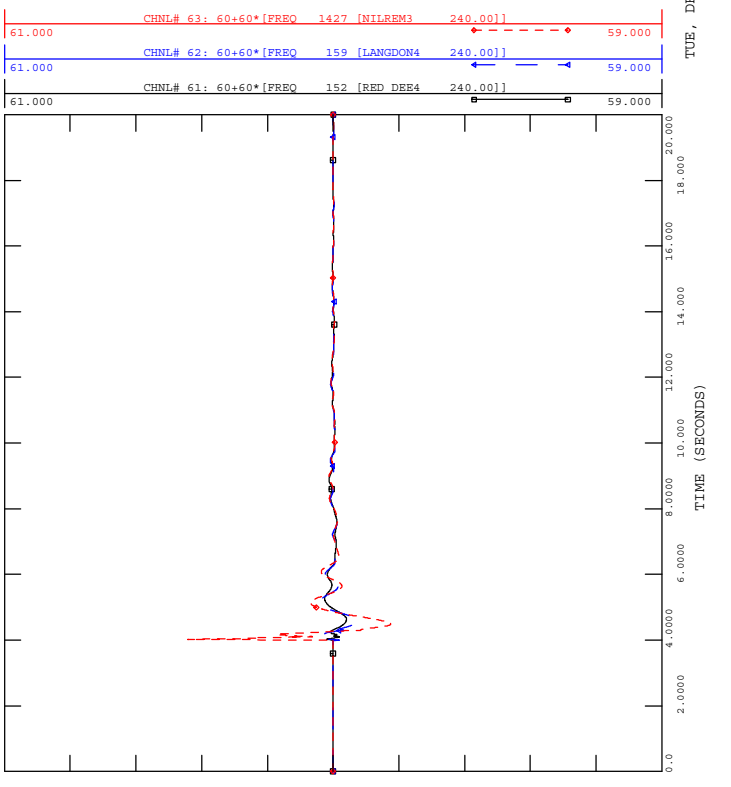
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:06

FREQUENCY

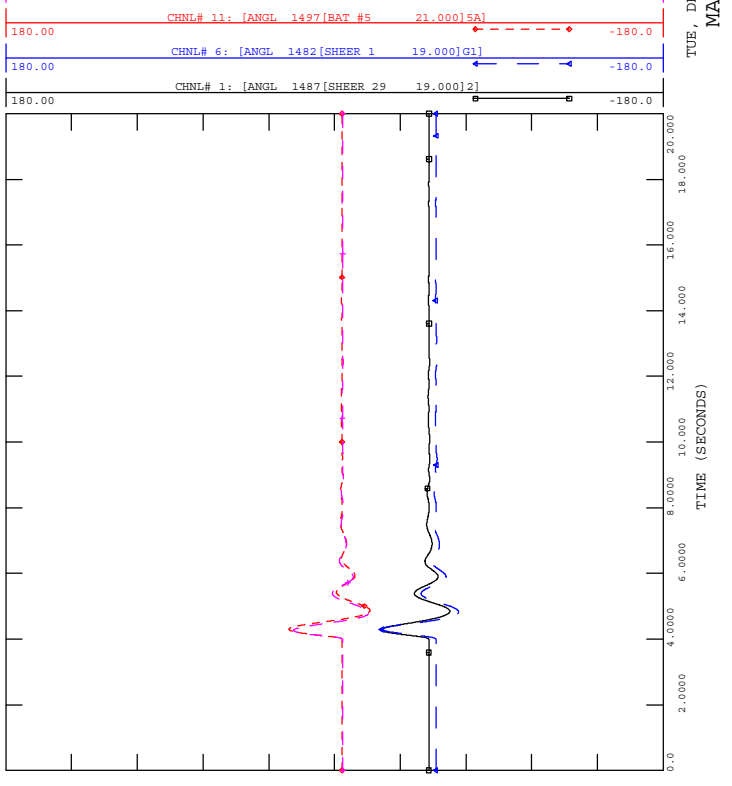


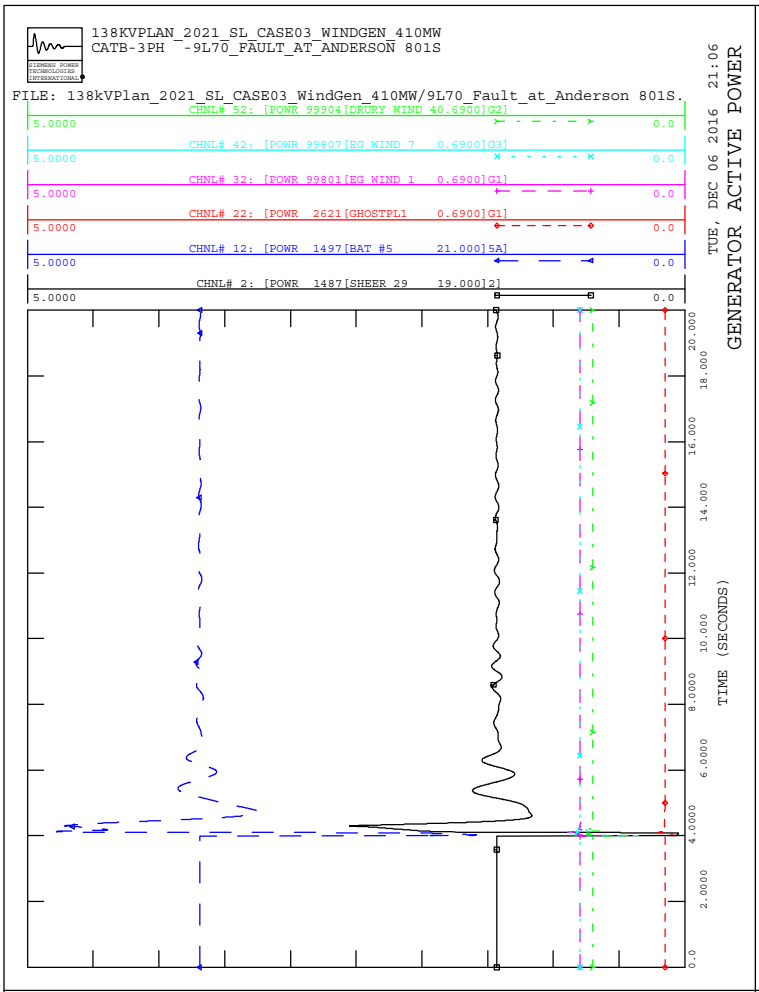
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:06

MACHINE ANGLE

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CATB-3PH -9L70_FAULT_AT_ANDERSON 801S
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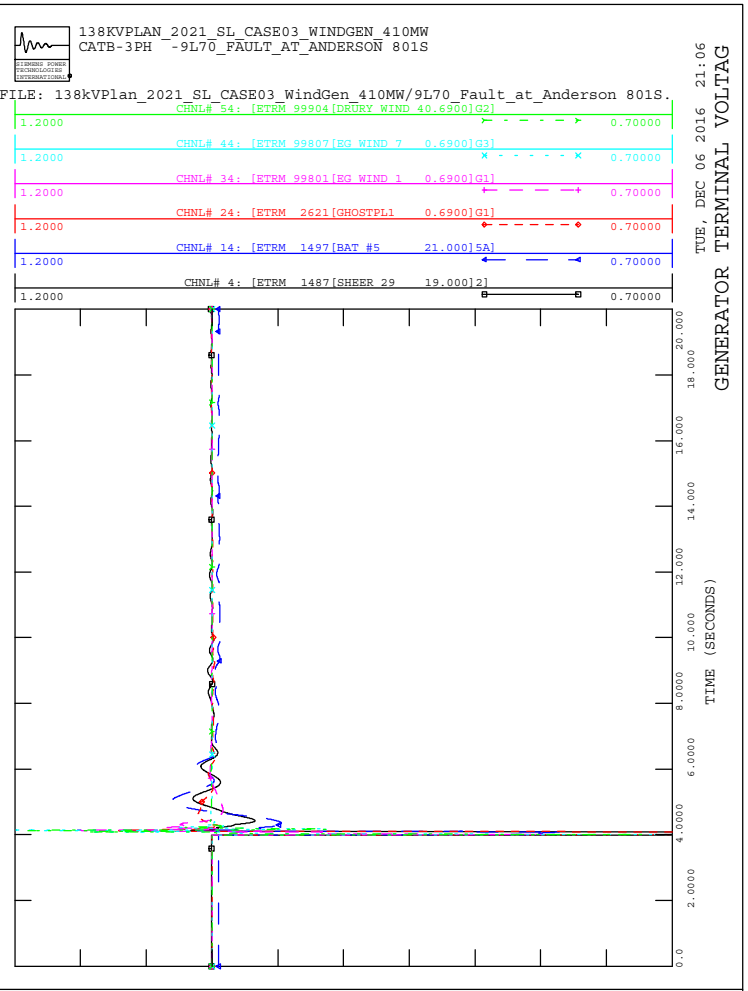
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)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CATB-3PH -9L70_FAULT_AT_ANDERSON 801S
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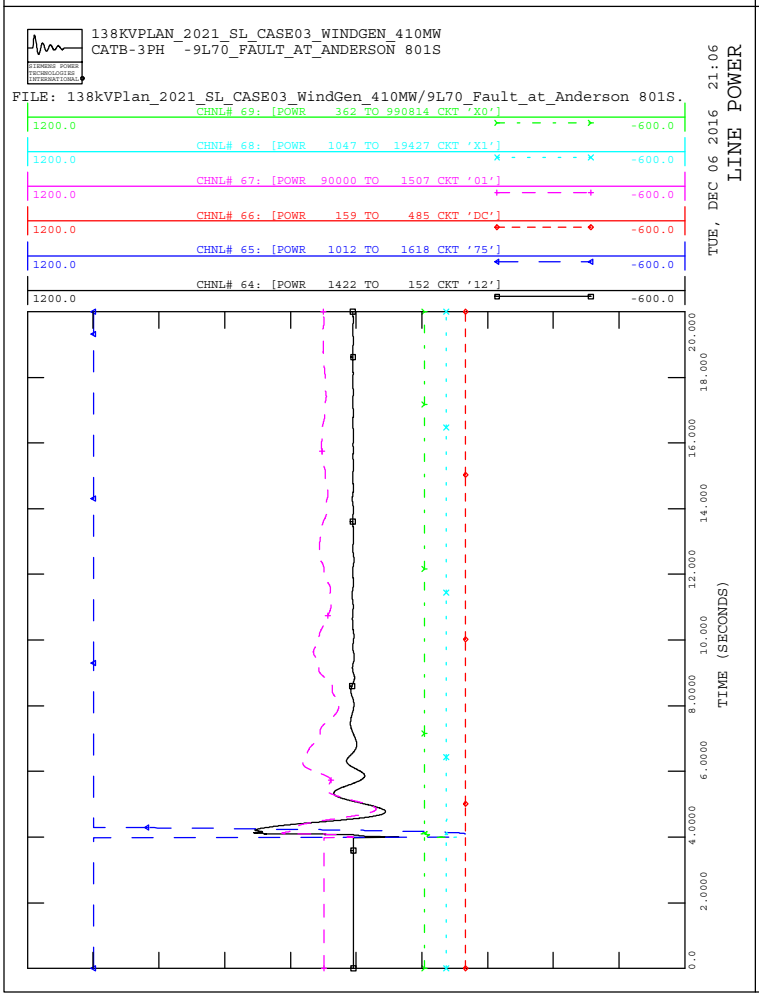
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)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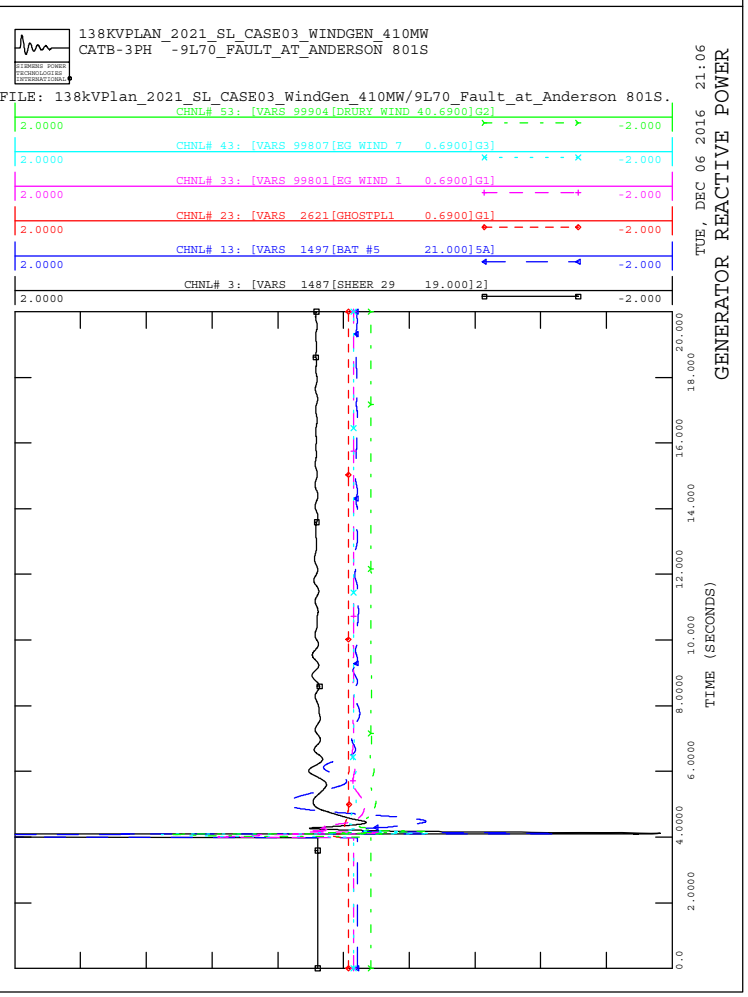
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)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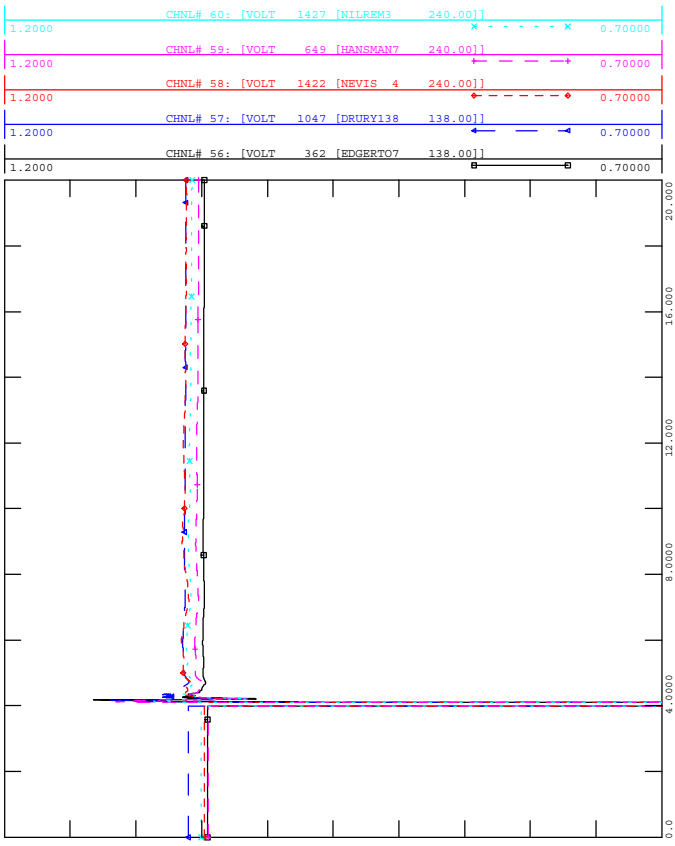
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7

TUE, DEC 06 2016 21:06

BUS VOLTAGE

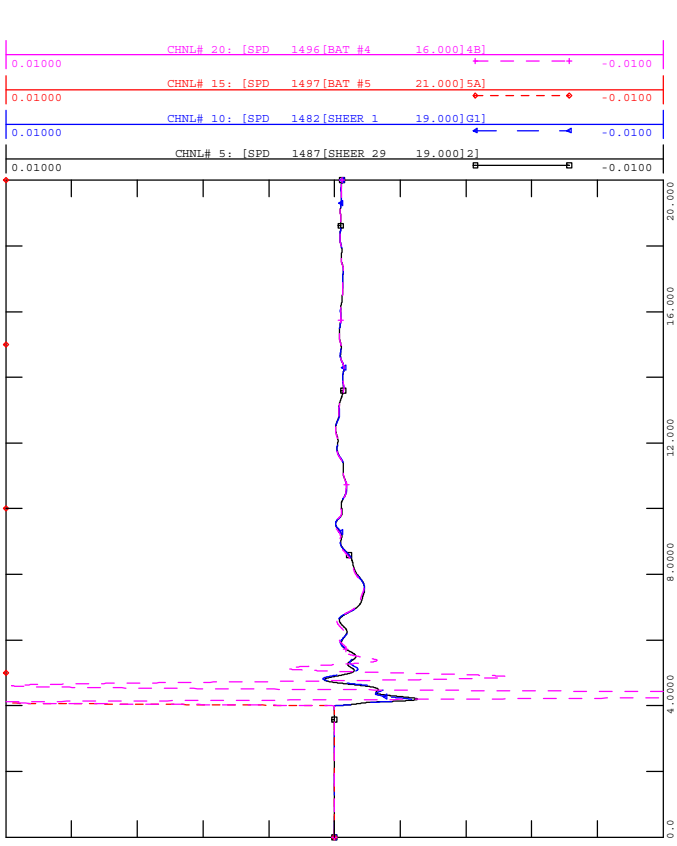


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7

TUE, DEC 06 2016 21:06

MACHINE SPEED



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CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7

TUE, DEC 06 2016 21:06

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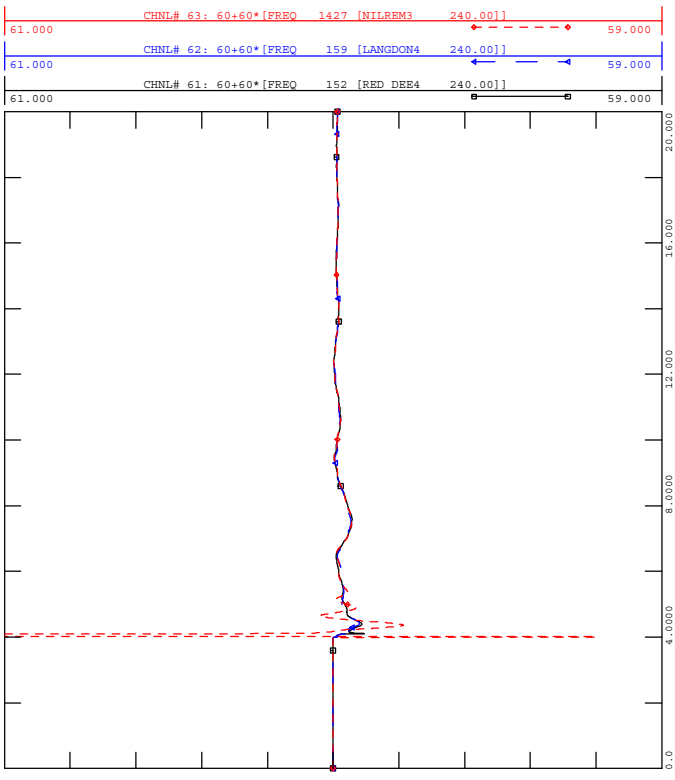

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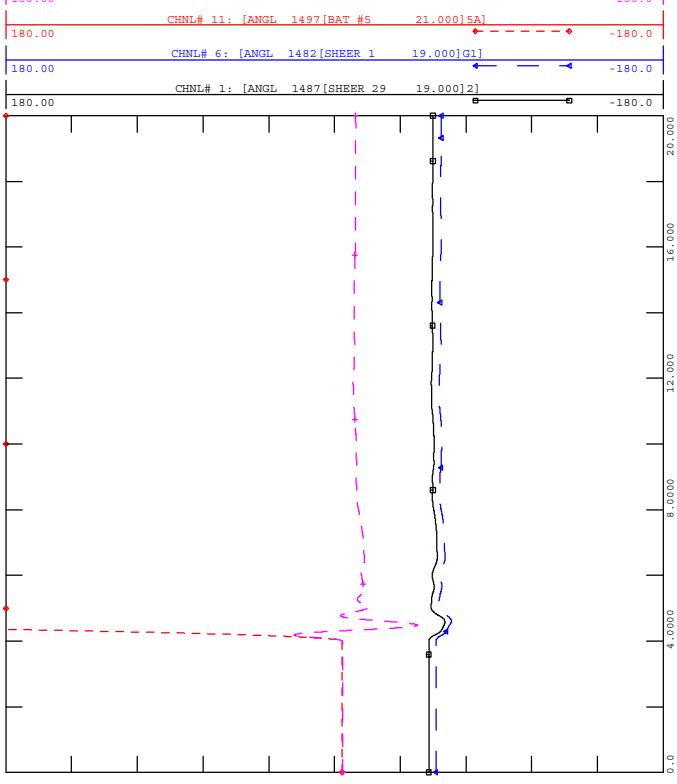
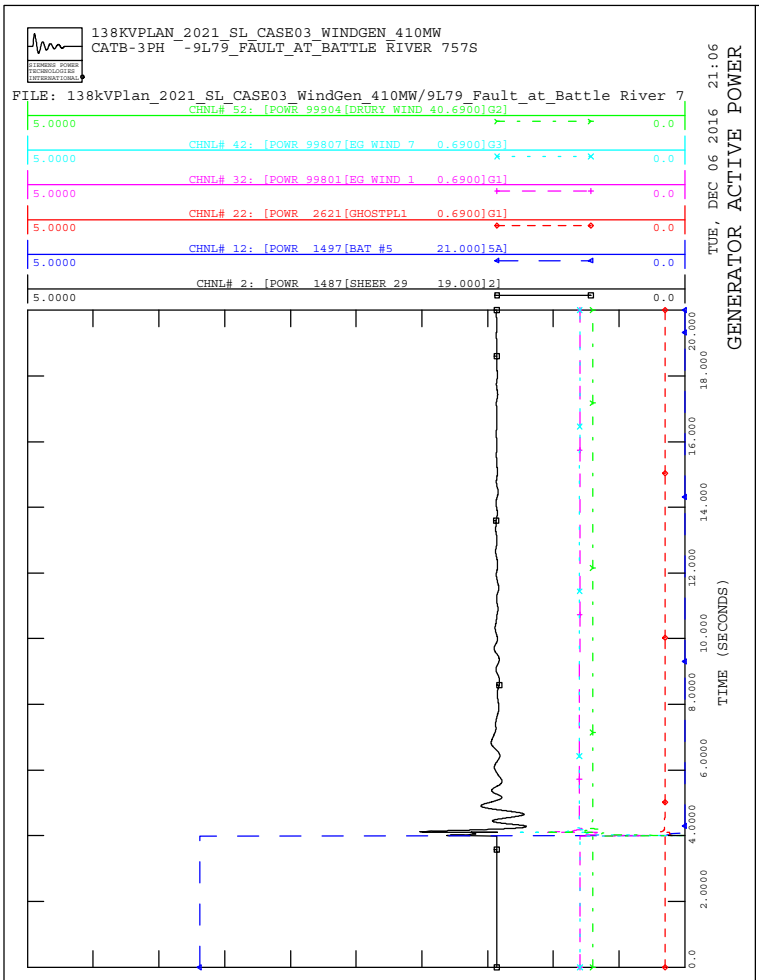
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7

TUE, DEC 06 2016 21:06

MACHINE ANGLE

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CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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12.000
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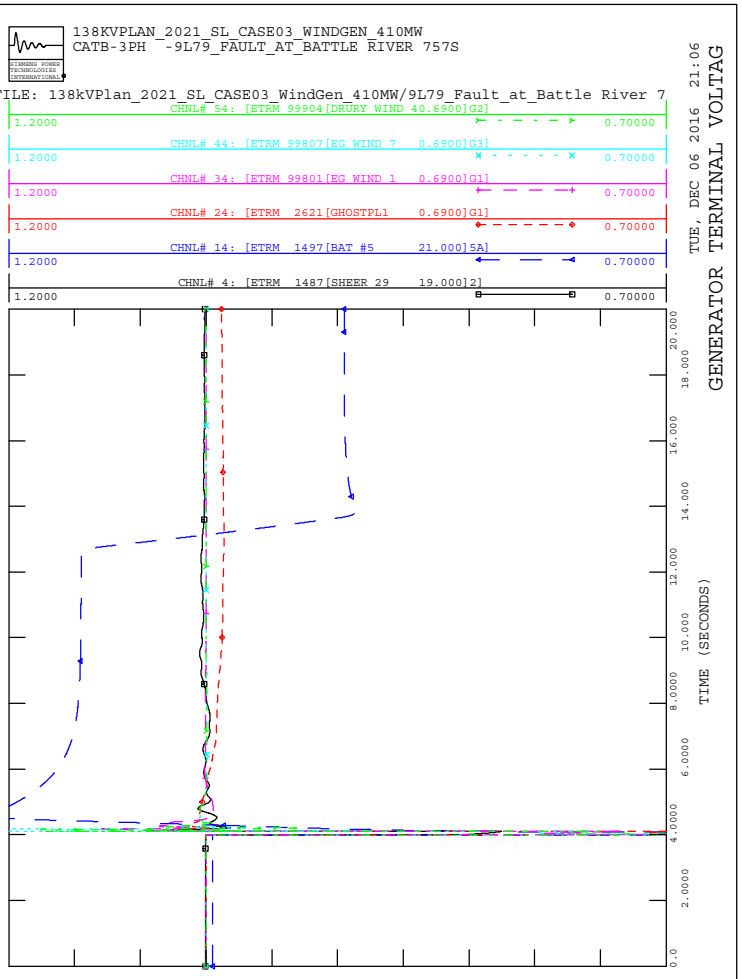
20.000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CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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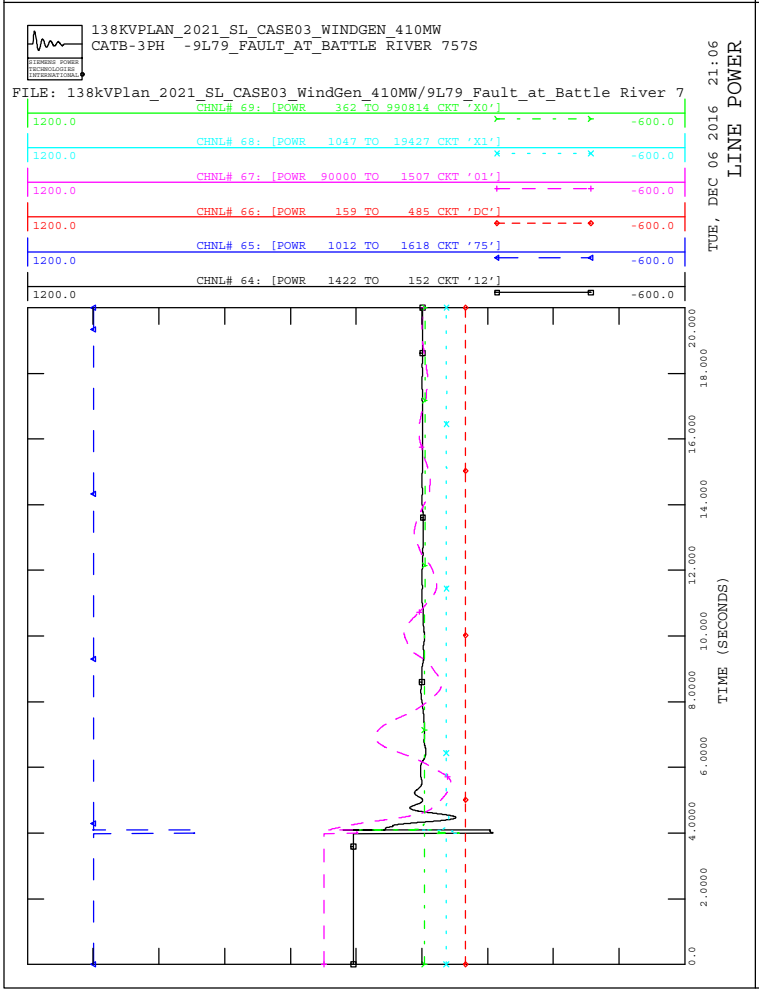
20.000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CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
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12.000
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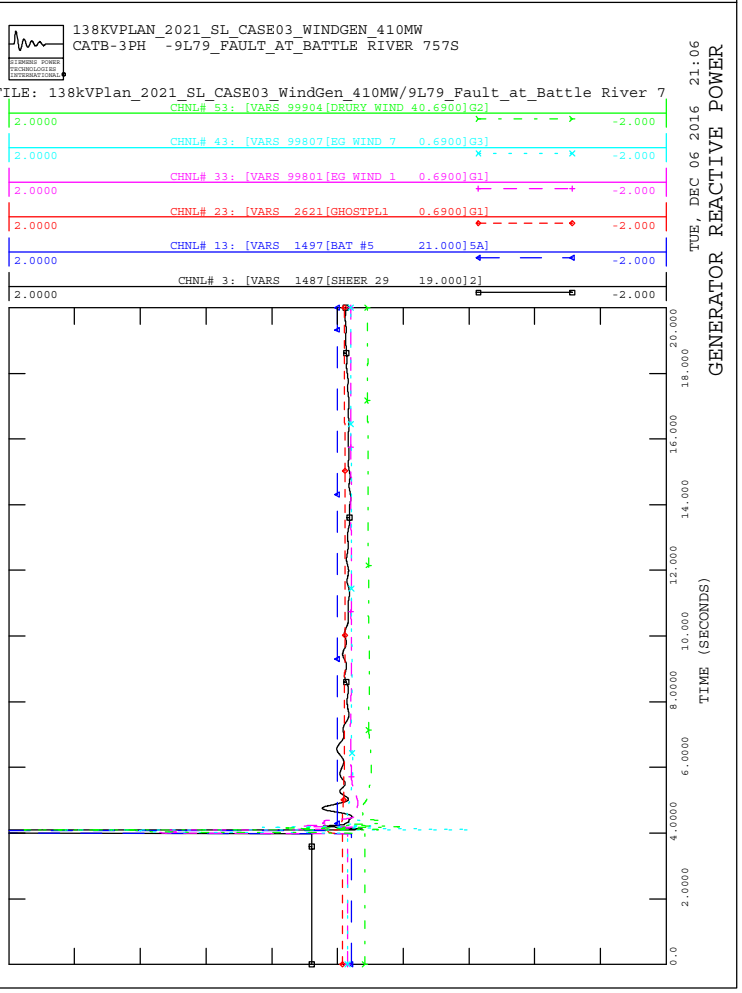
20.000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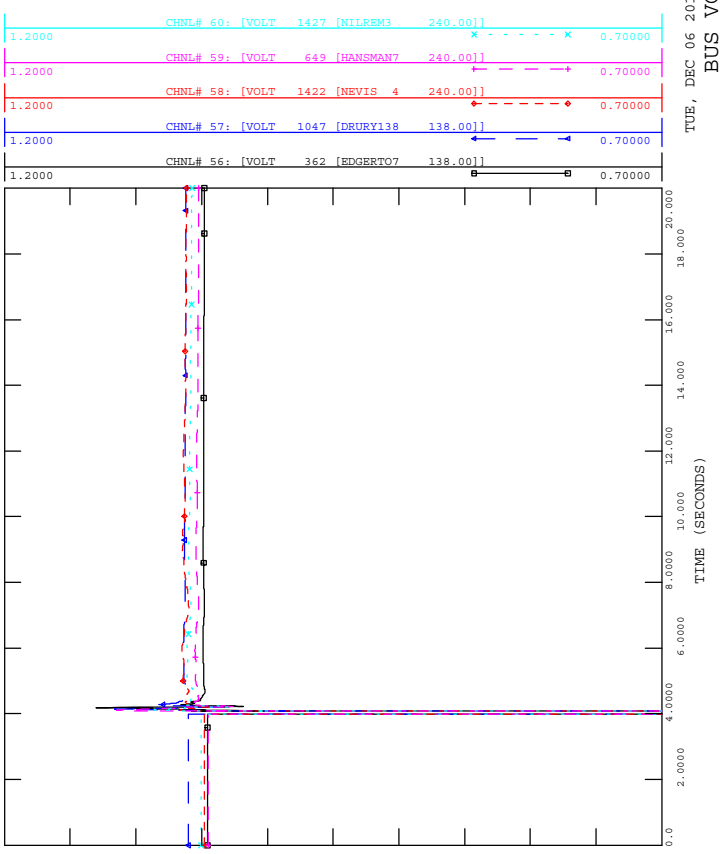
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

BUS VOLTAGE



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CATB-3PH -9L79_FAULT_AT_CORDEL 755S

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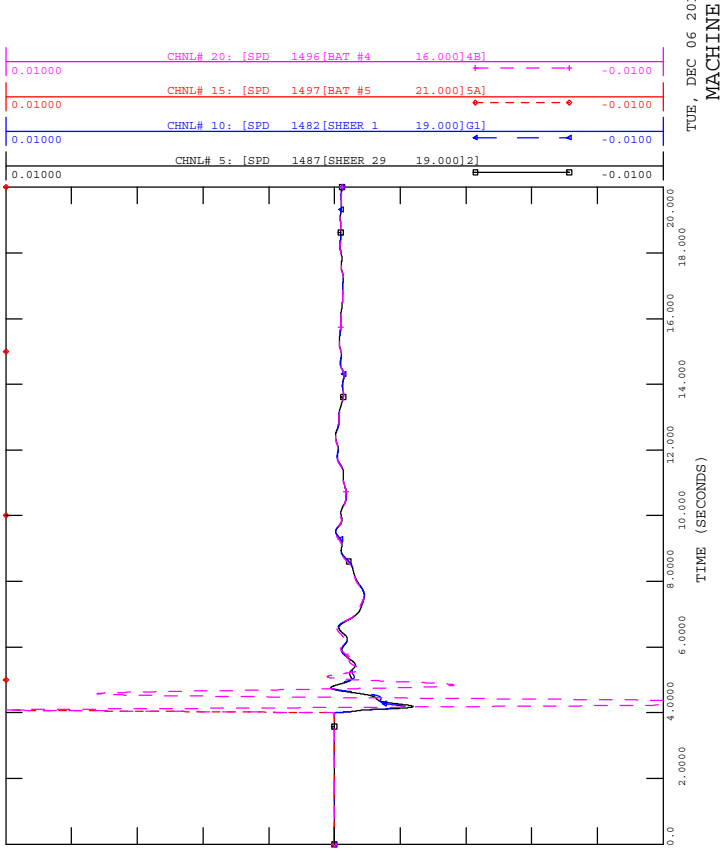
TUE, DEC 06 2016 21:06

MACHINE SPEED



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CATB-3PH -9L79_FAULT_AT_CORDEL 755S

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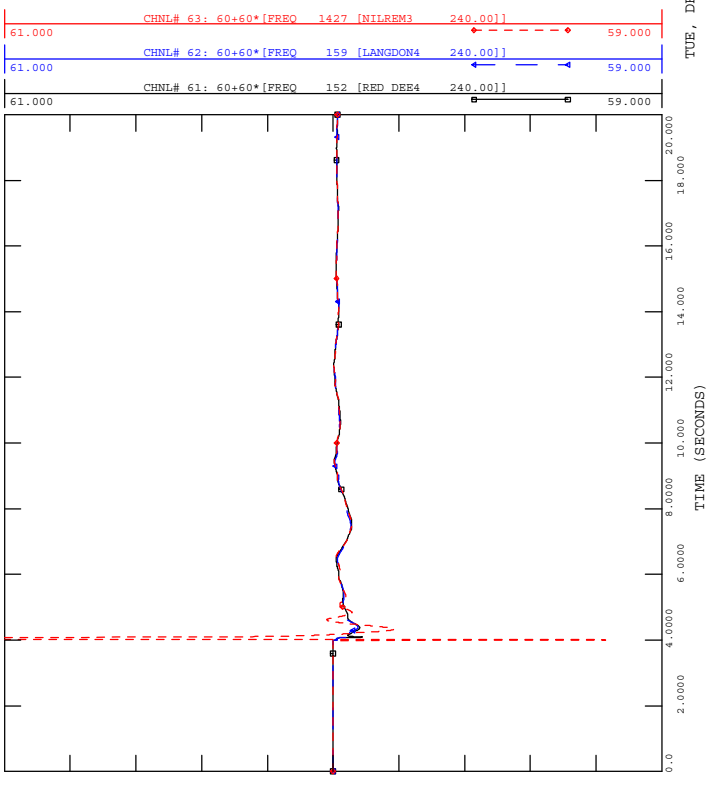

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CATB-3PH -9L79_FAULT_AT_CORDEL 755S

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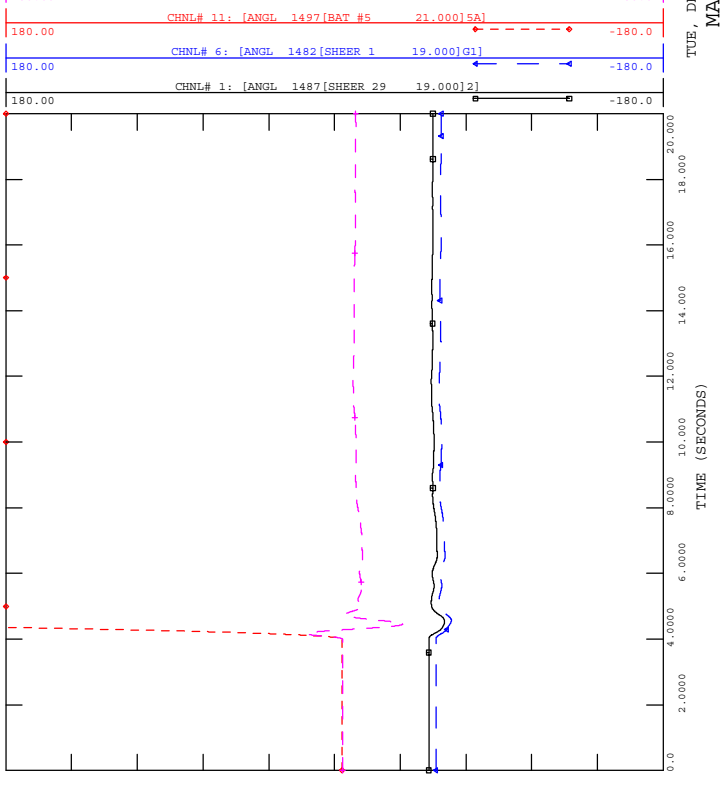

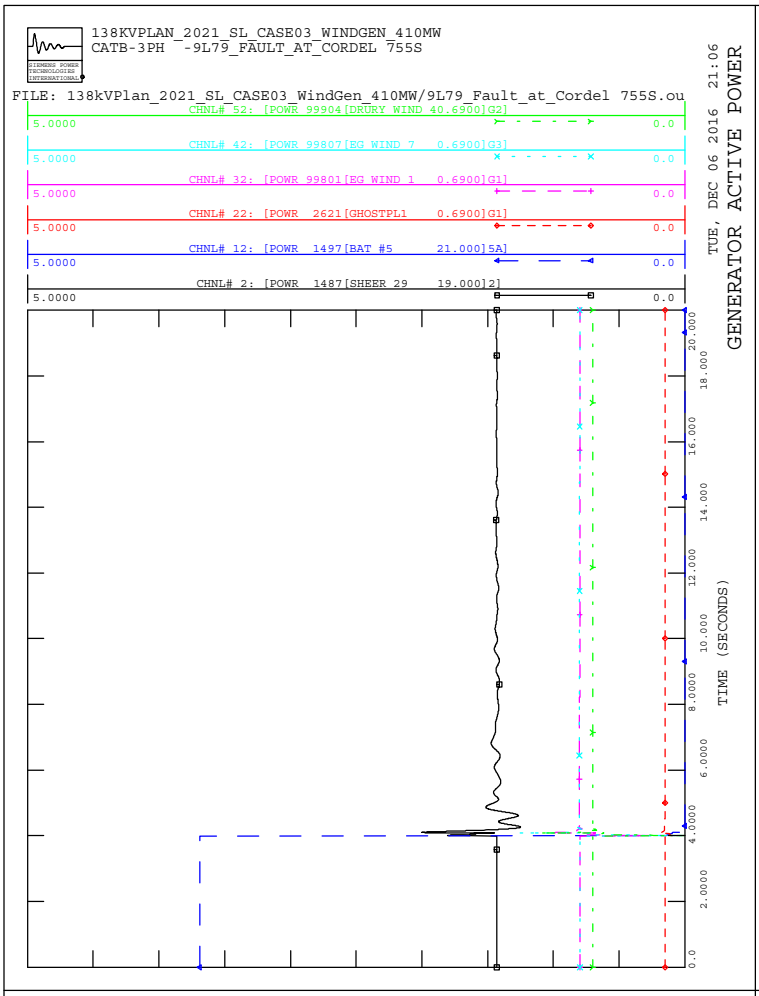
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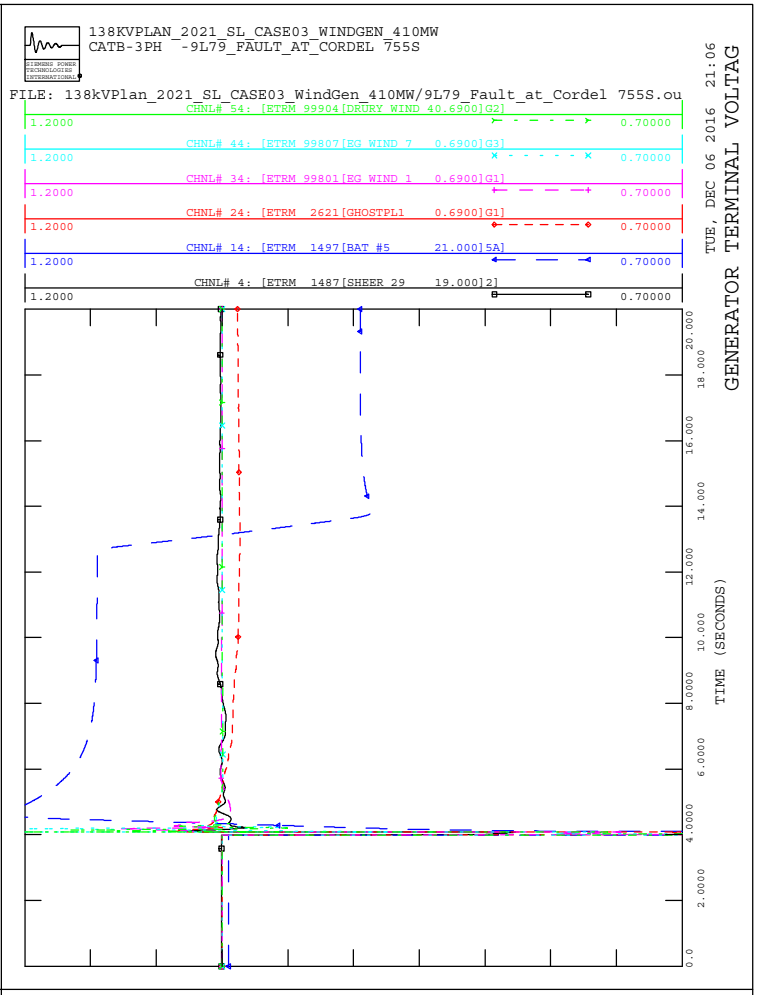
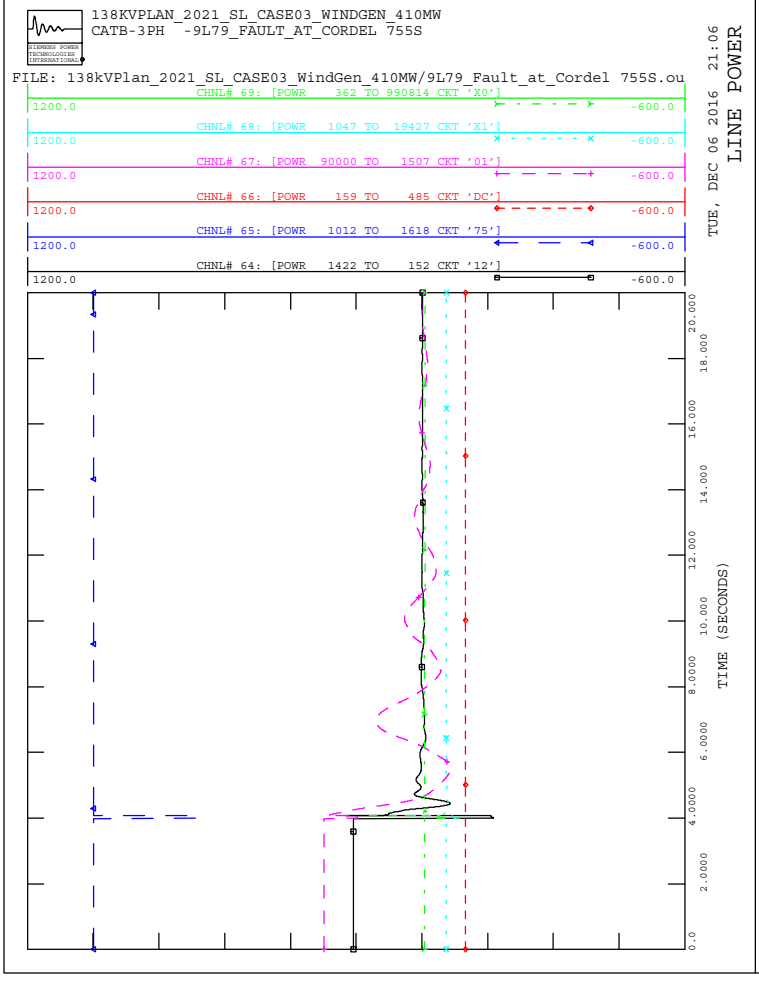
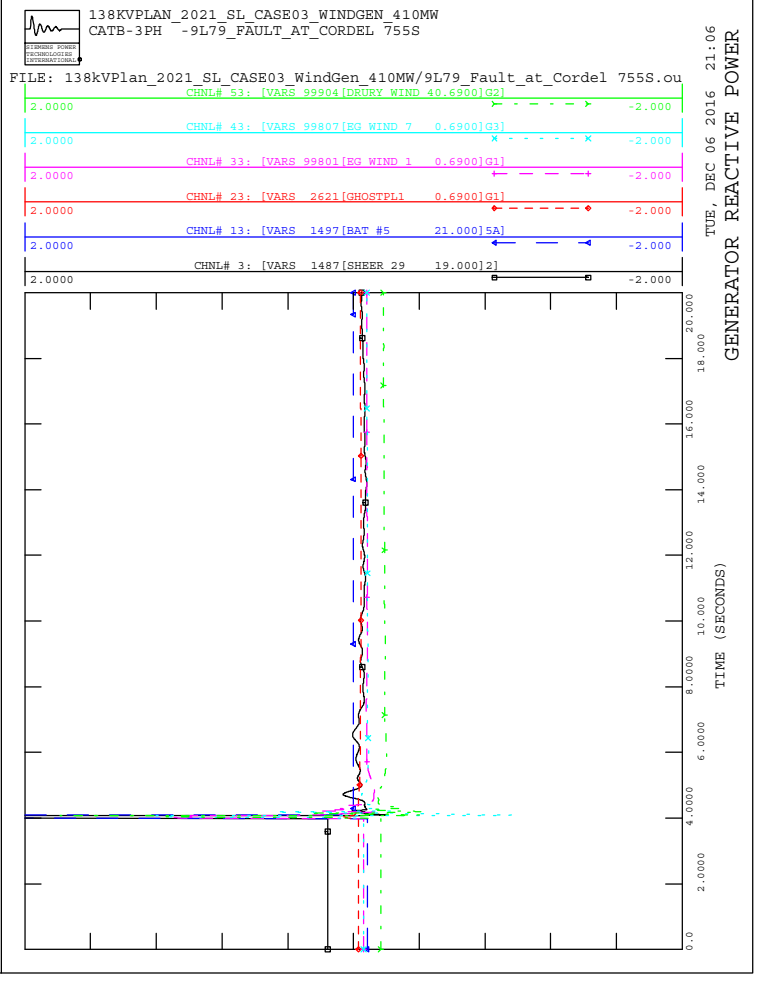
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)

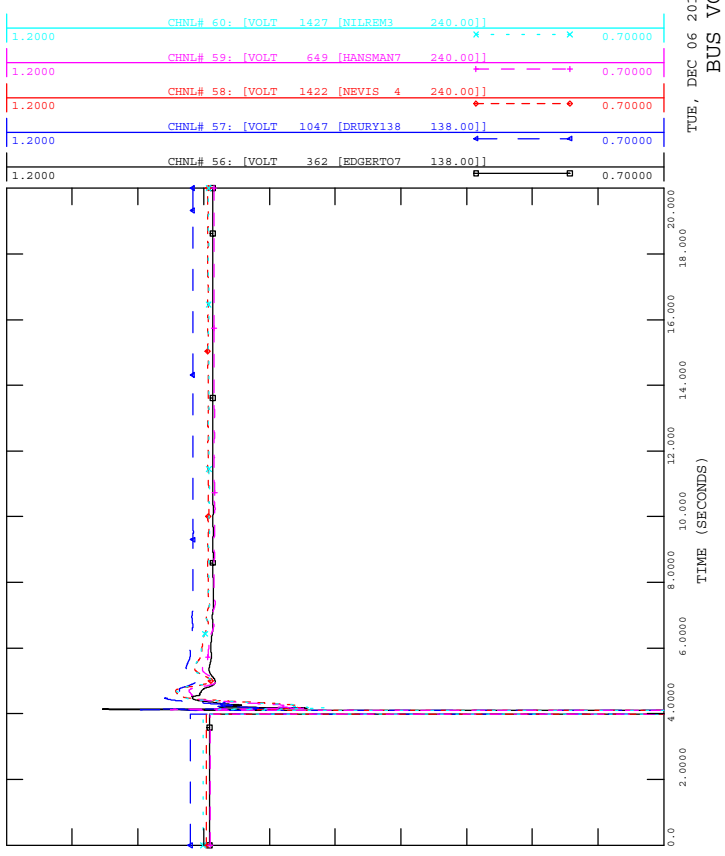

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7

TUE, DEC 06 2016 21:06

BUS VOLTAGE

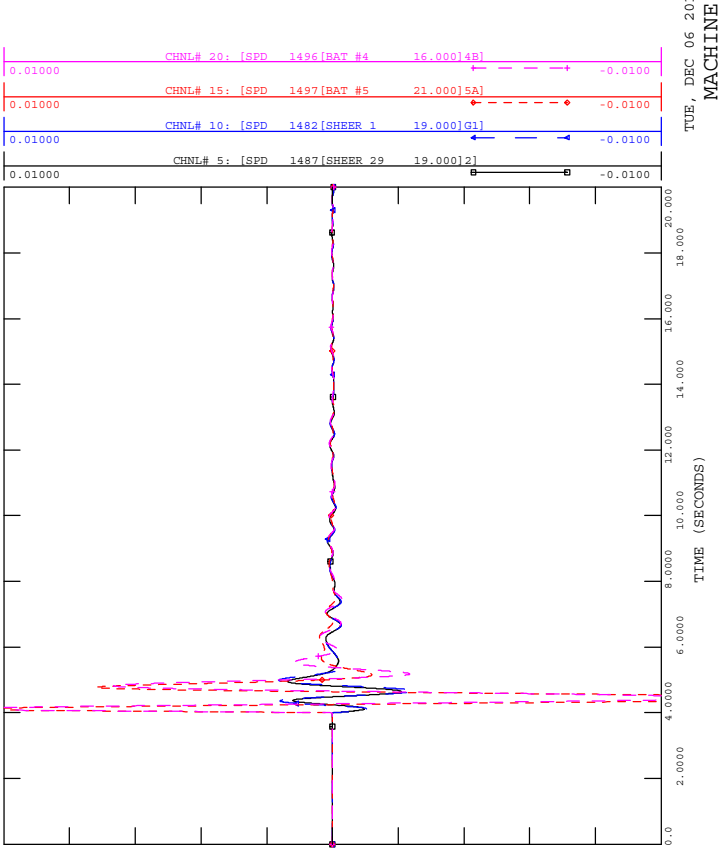


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7

TUE, DEC 06 2016 21:06

MACHINE SPEED

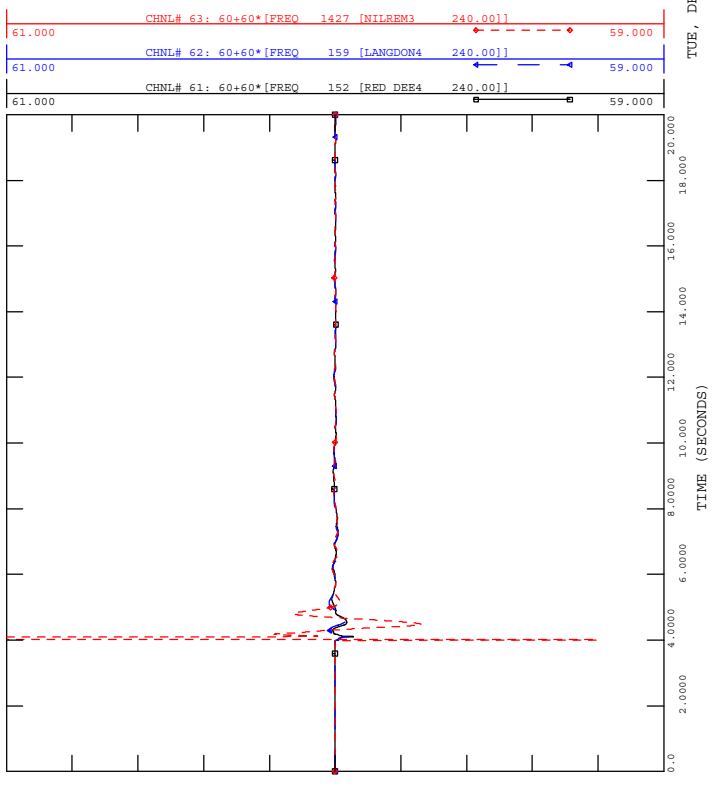


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7

TUE, DEC 06 2016 21:06

FREQUENCY

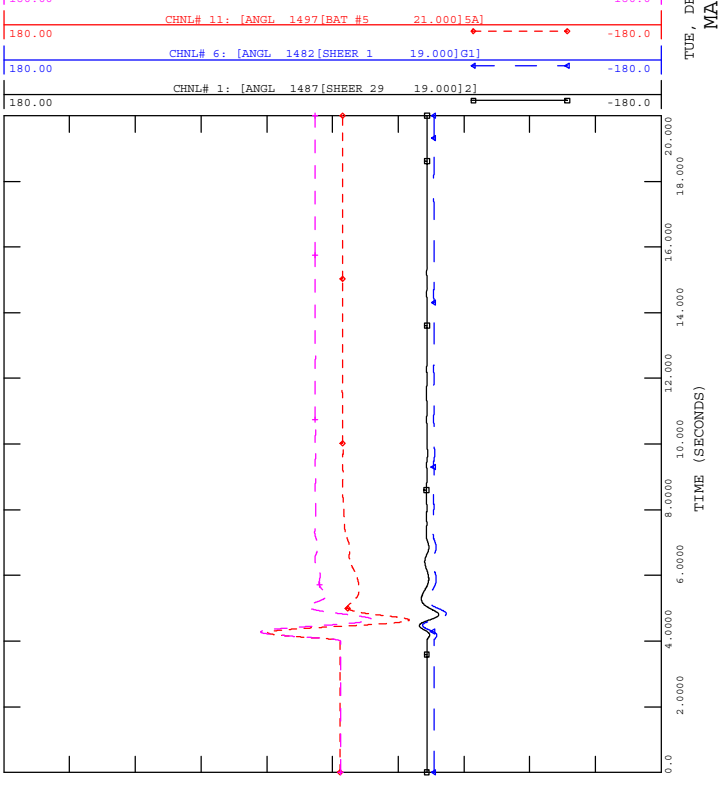


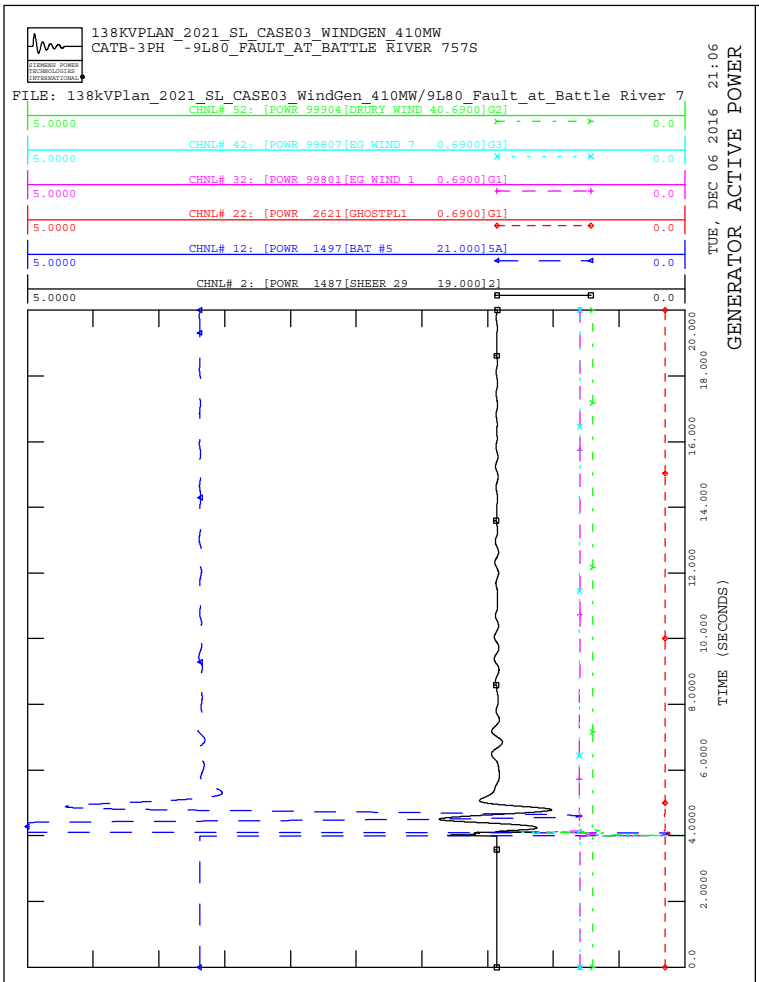
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

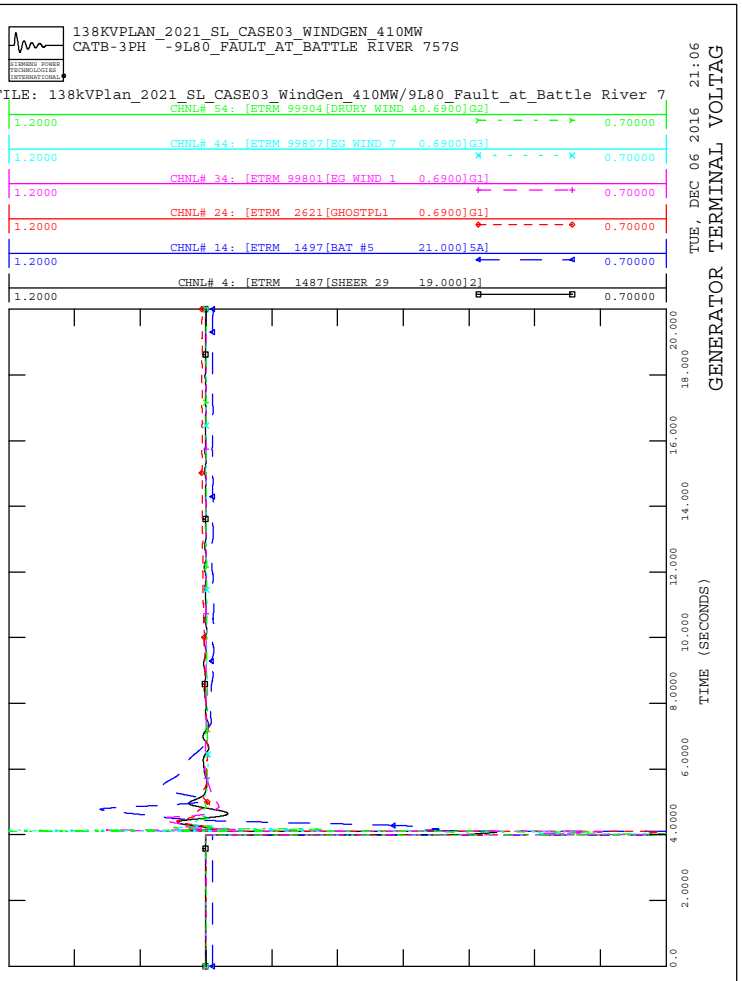
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7

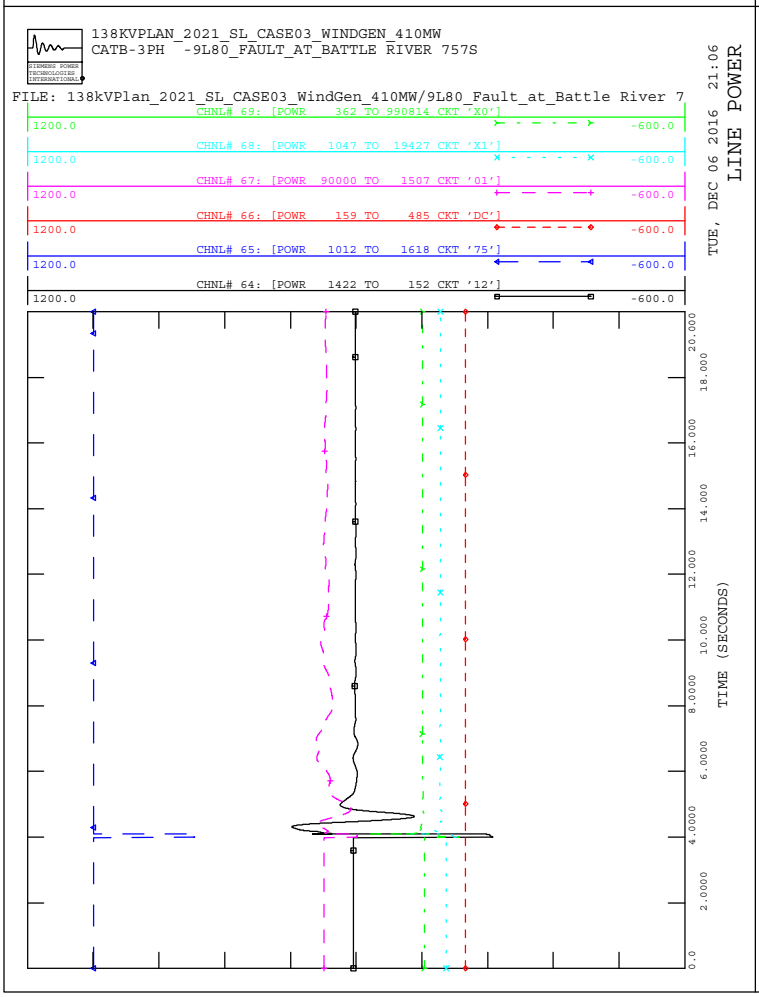
TUE, DEC 06 2016 21:06

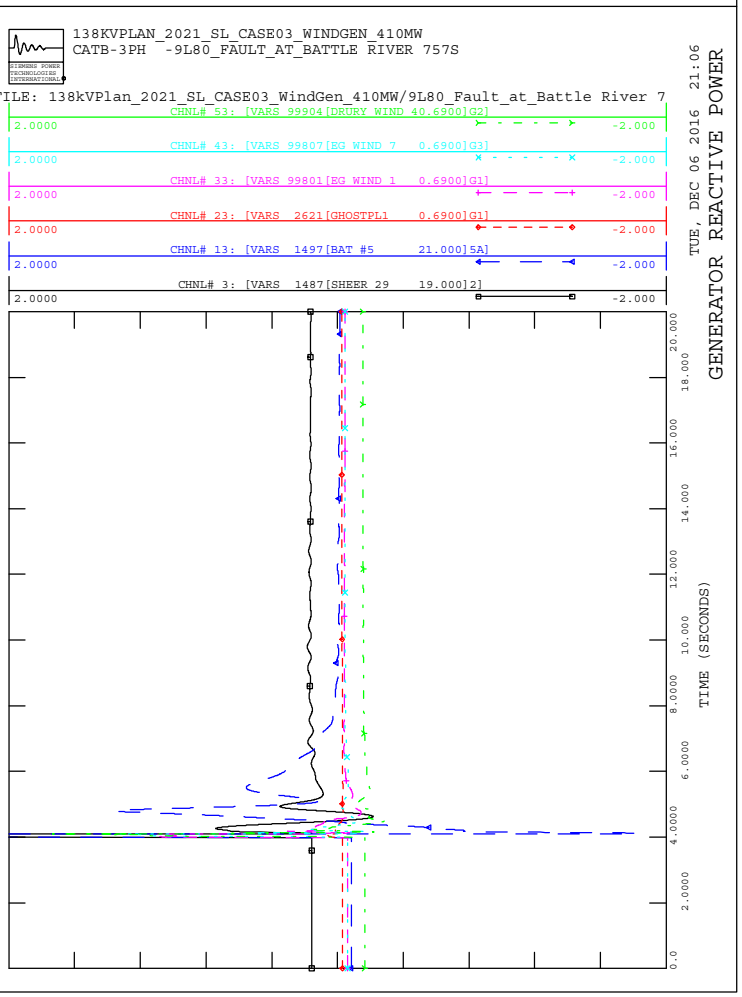
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

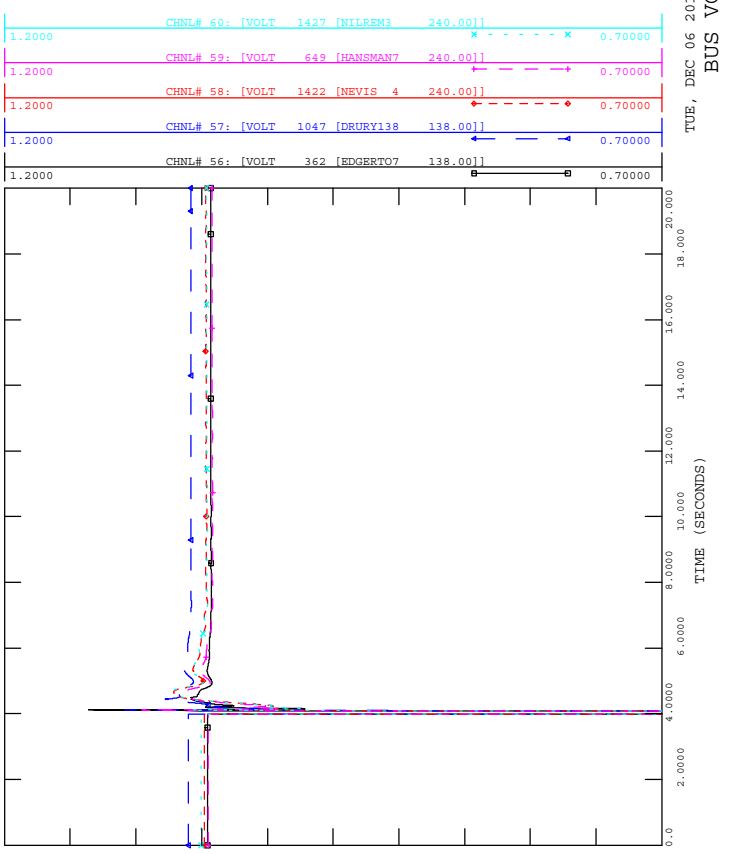

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

BUS VOLTAGE

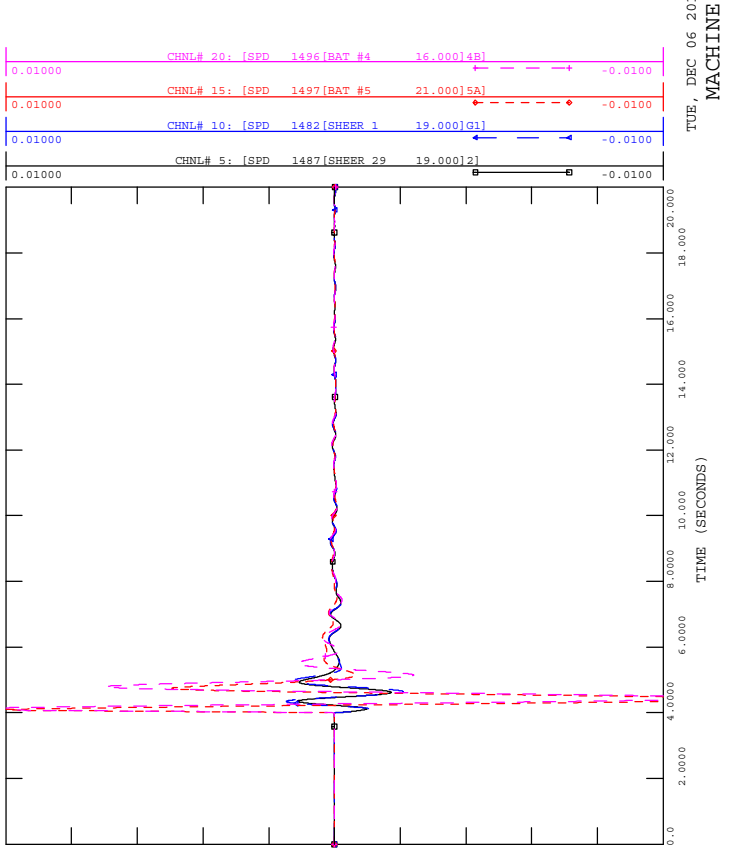


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

MACHINE SPEED

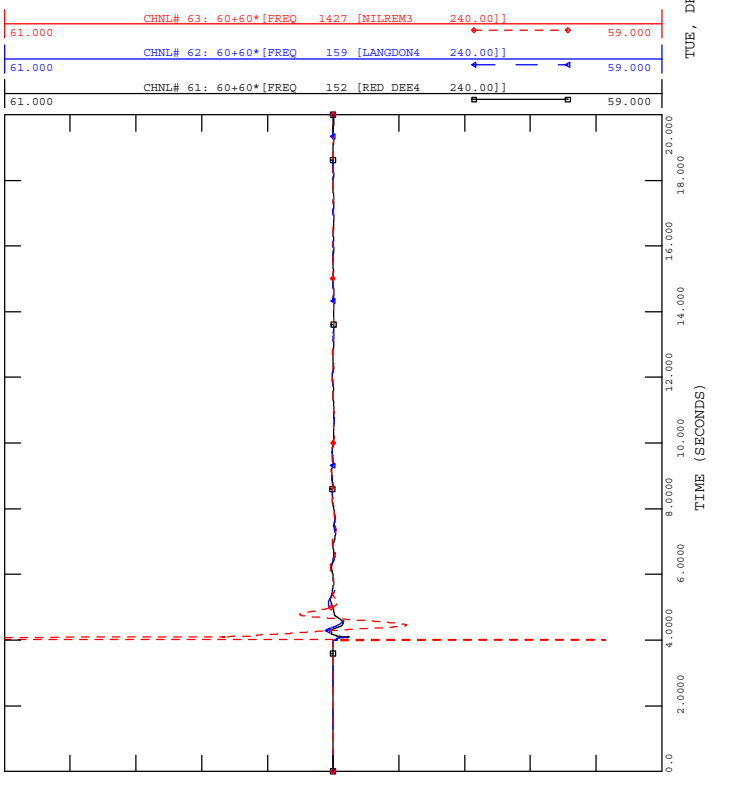


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:06

FREQUENCY



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

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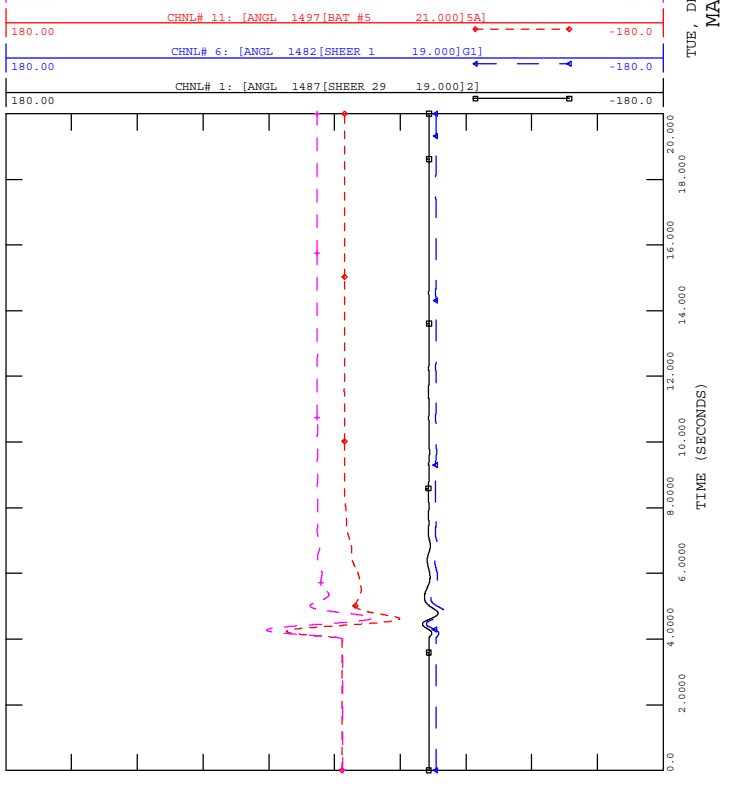
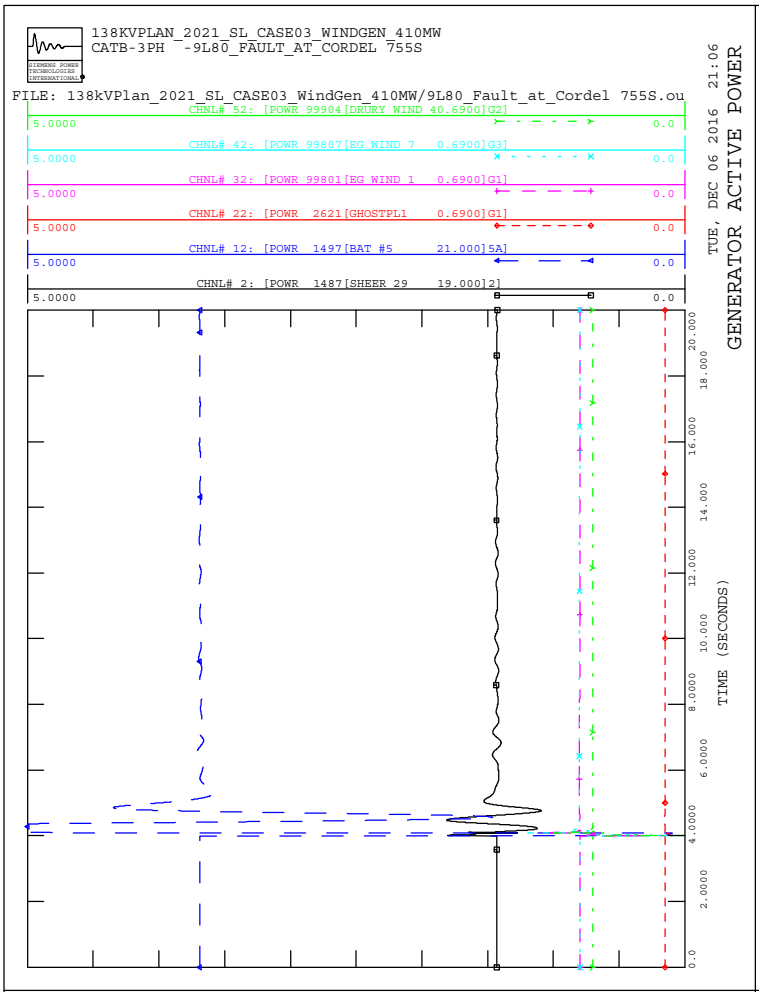
TUE, DEC 06 2016 21:06

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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8.0000
10.000
12.000
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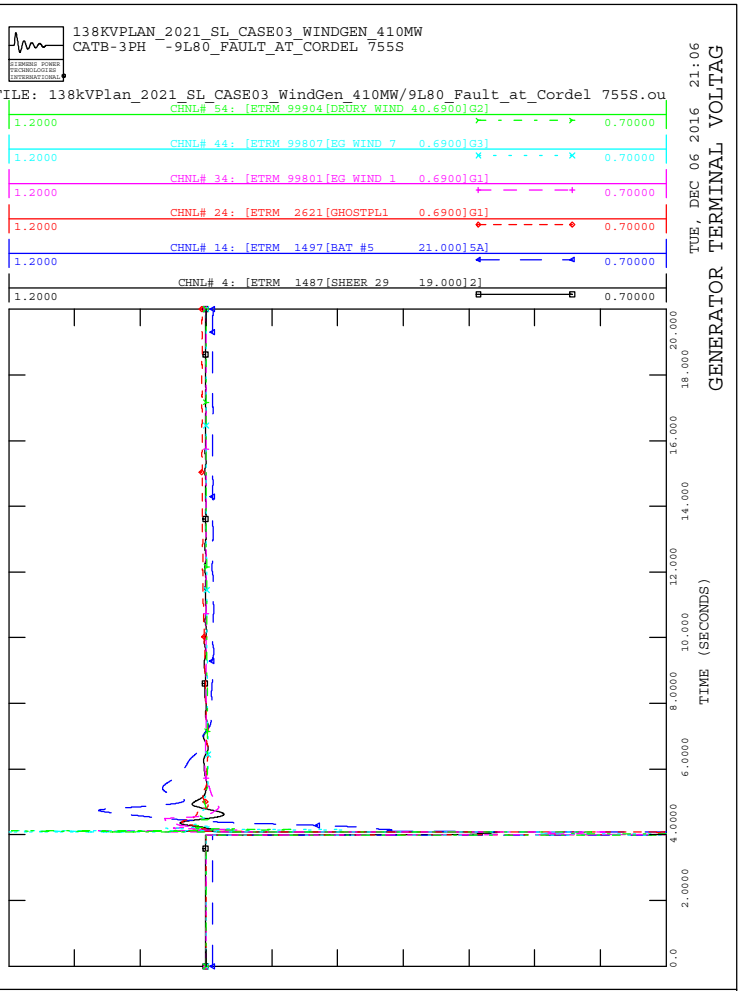
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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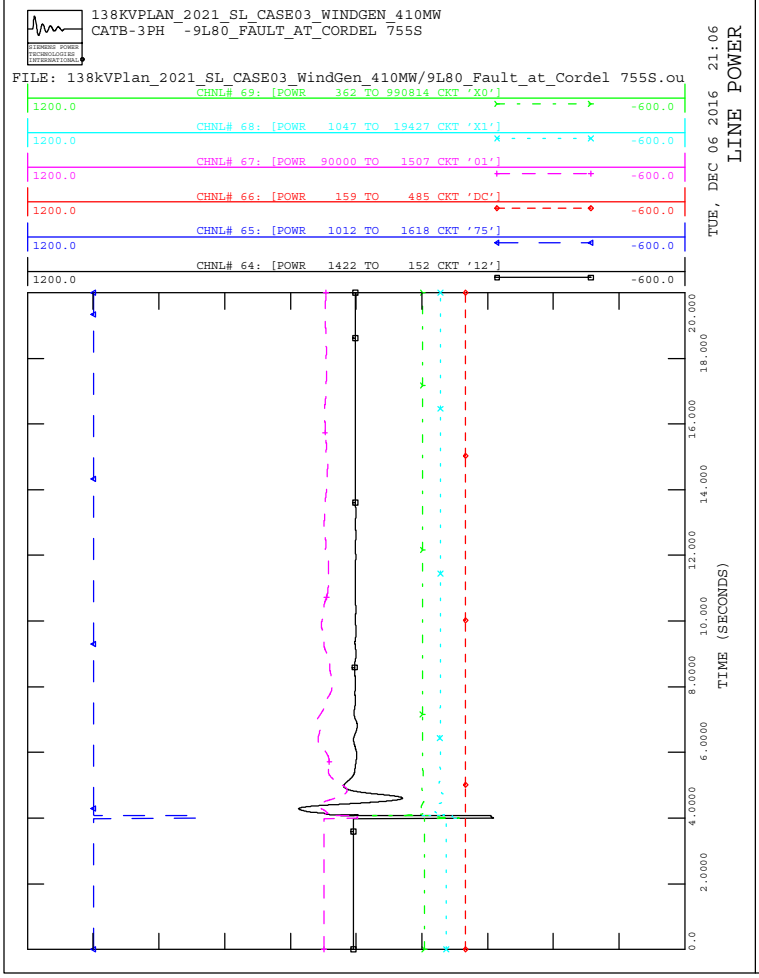
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
0.0
2.0000
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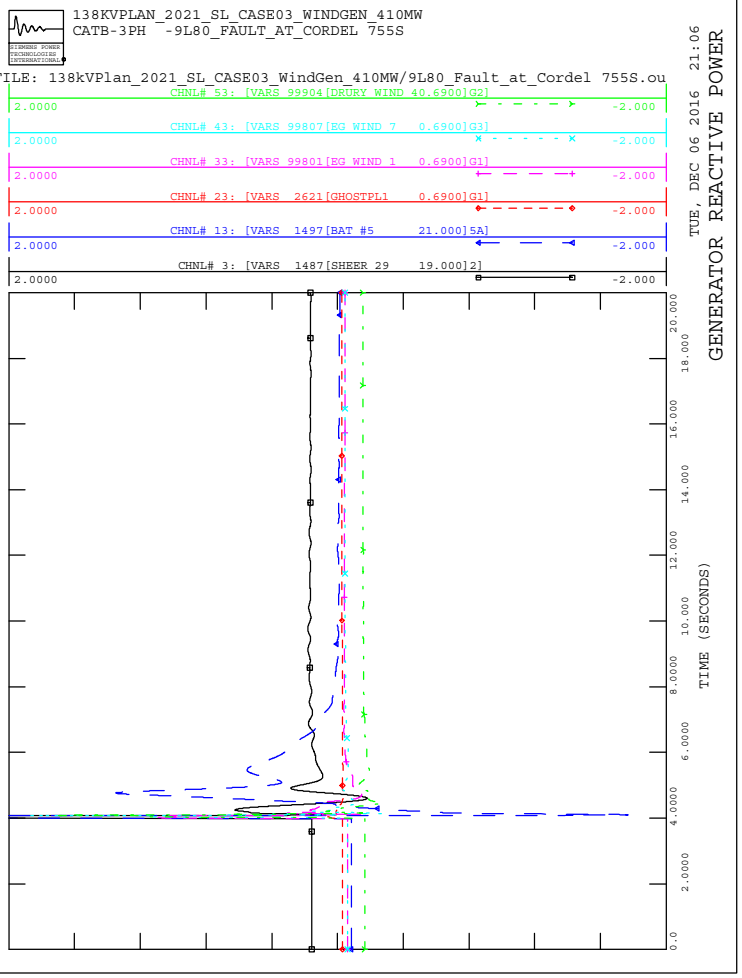
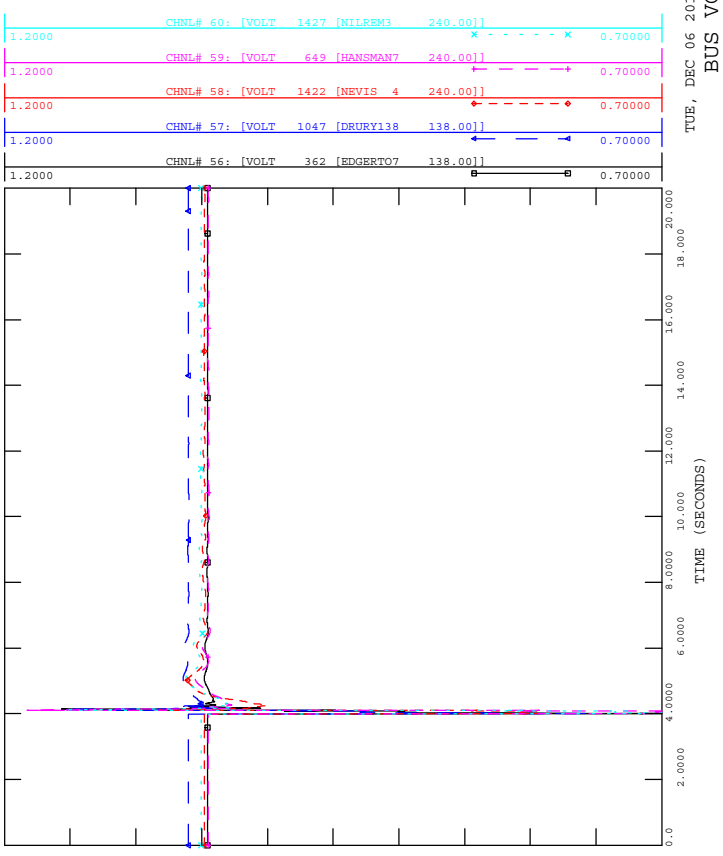

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

BUS VOLTAGE

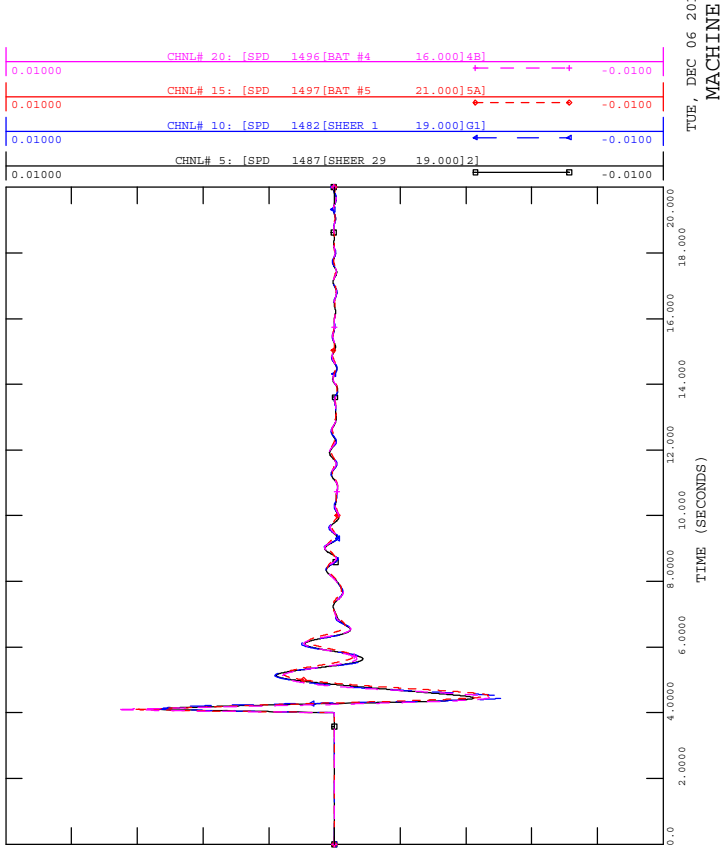


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

MACHINE SPEED

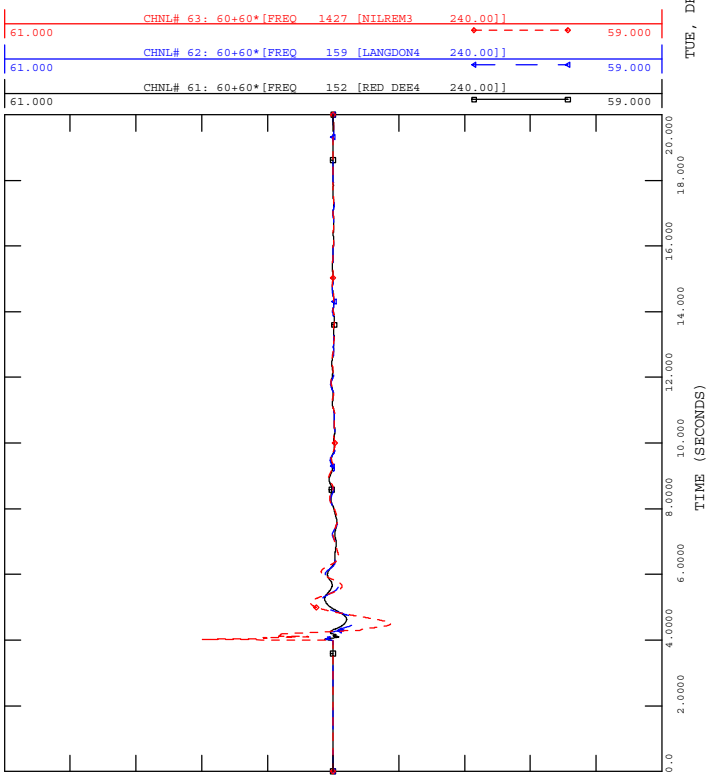


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

FREQUENCY

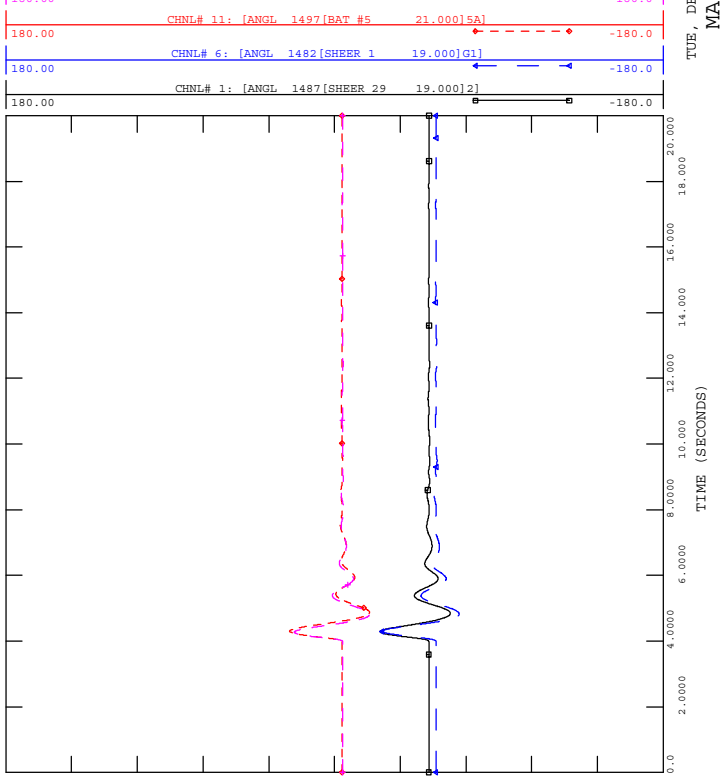


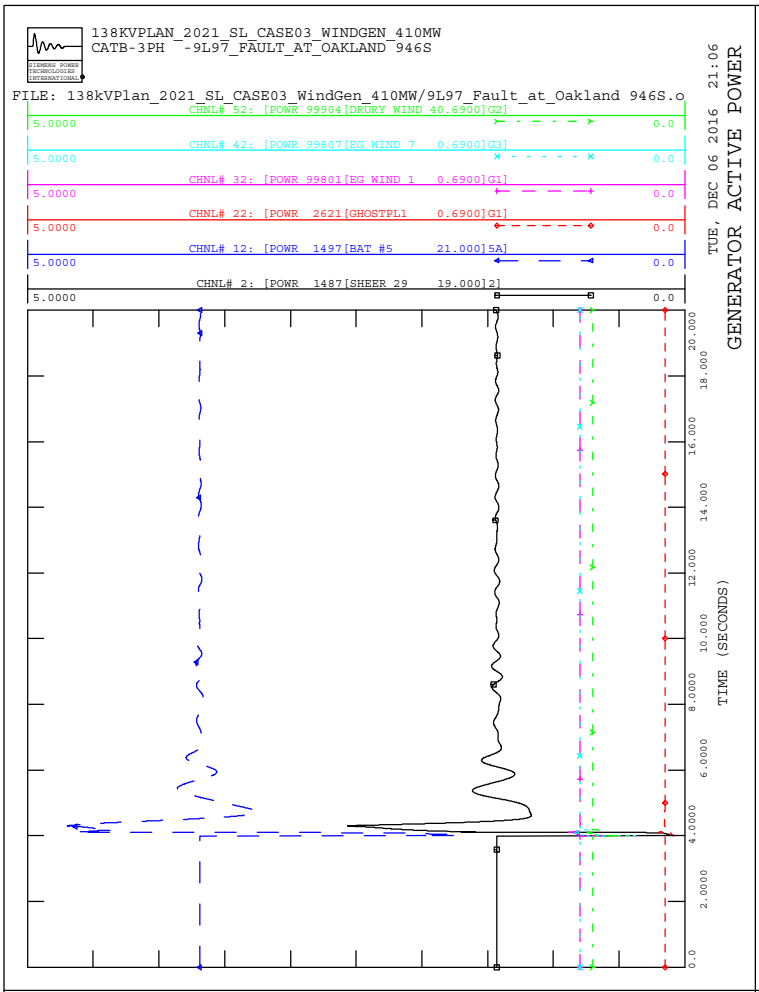
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

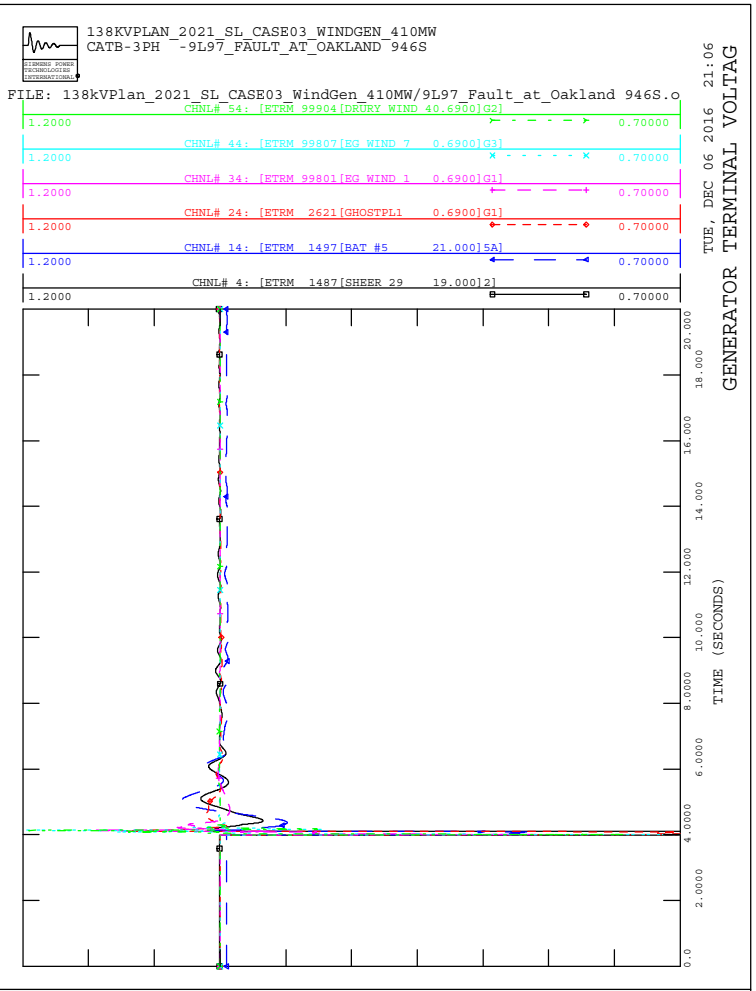
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:06

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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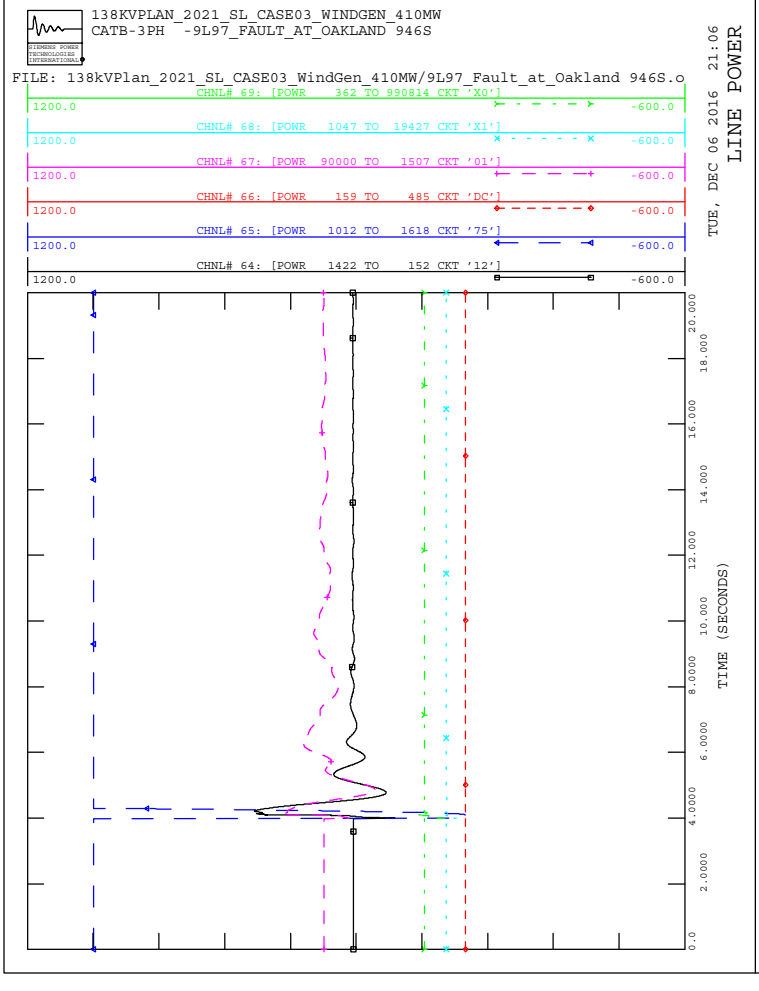
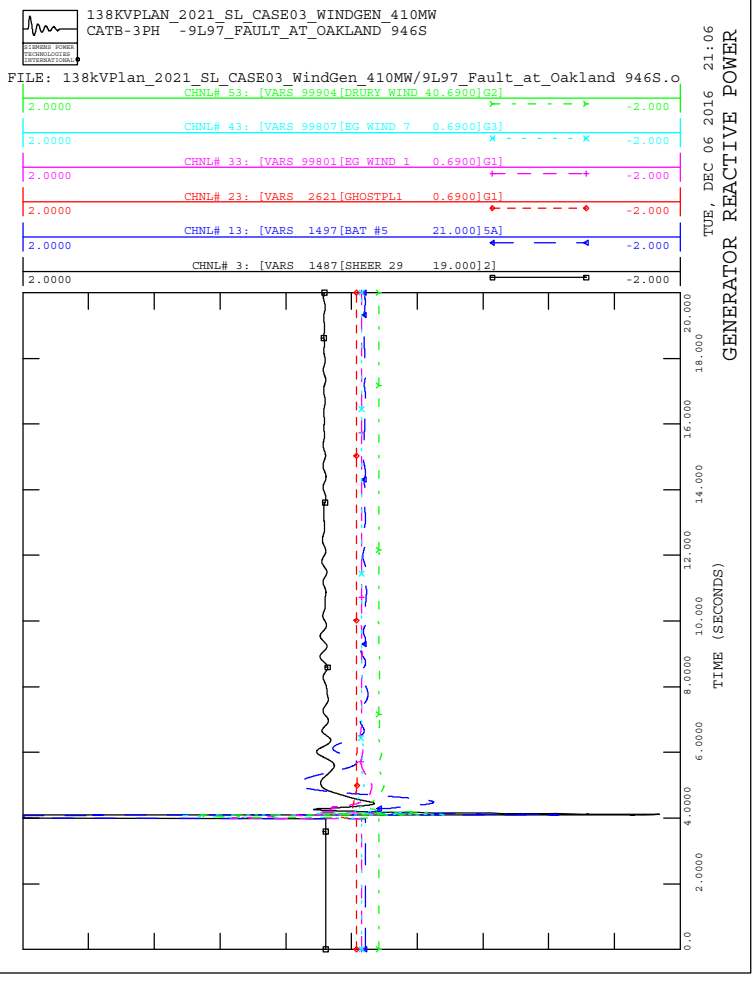
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

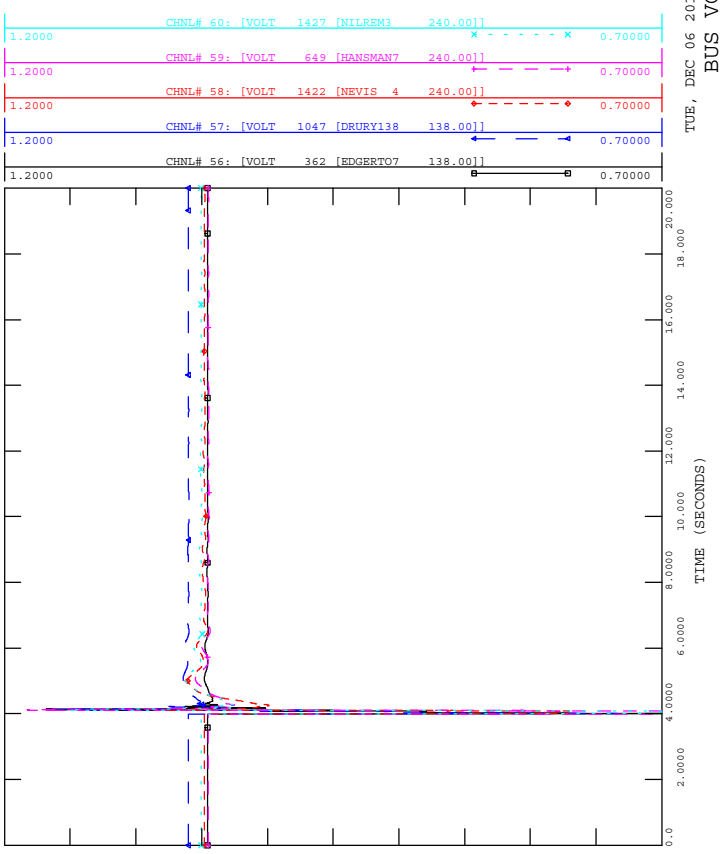

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:06

BUS VOLTAGE

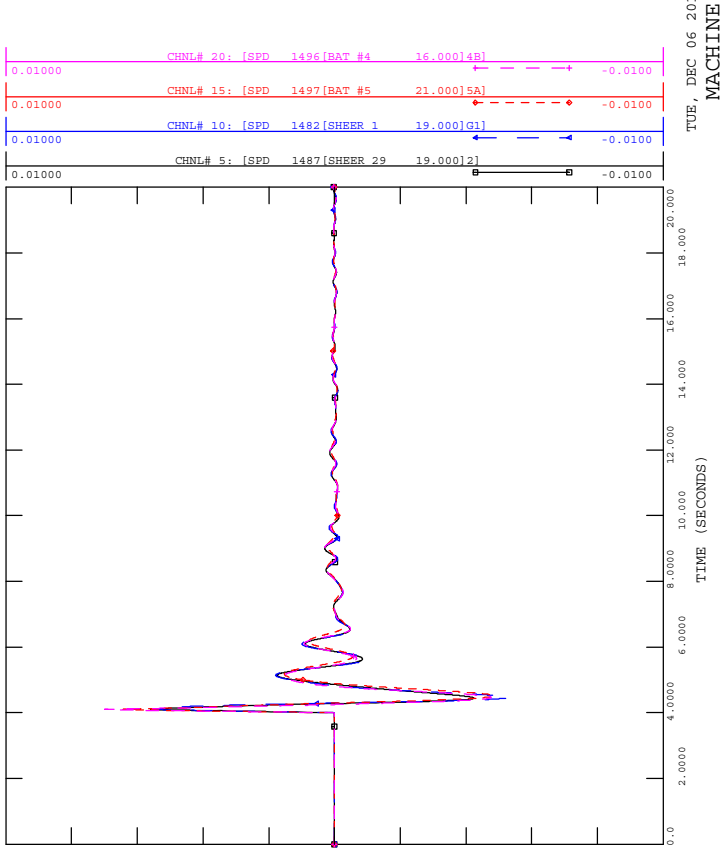


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:06

MACHINE SPEED

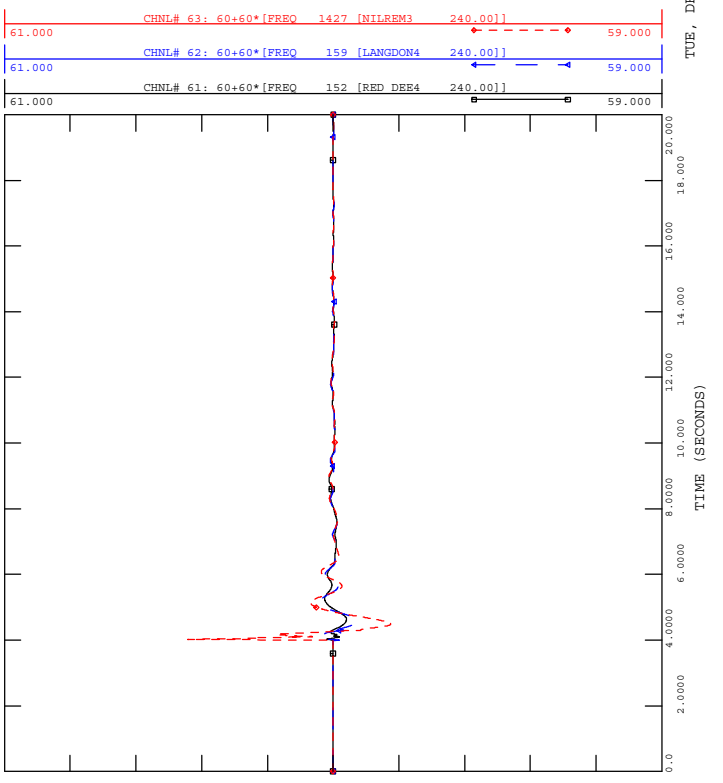


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:06

FREQUENCY

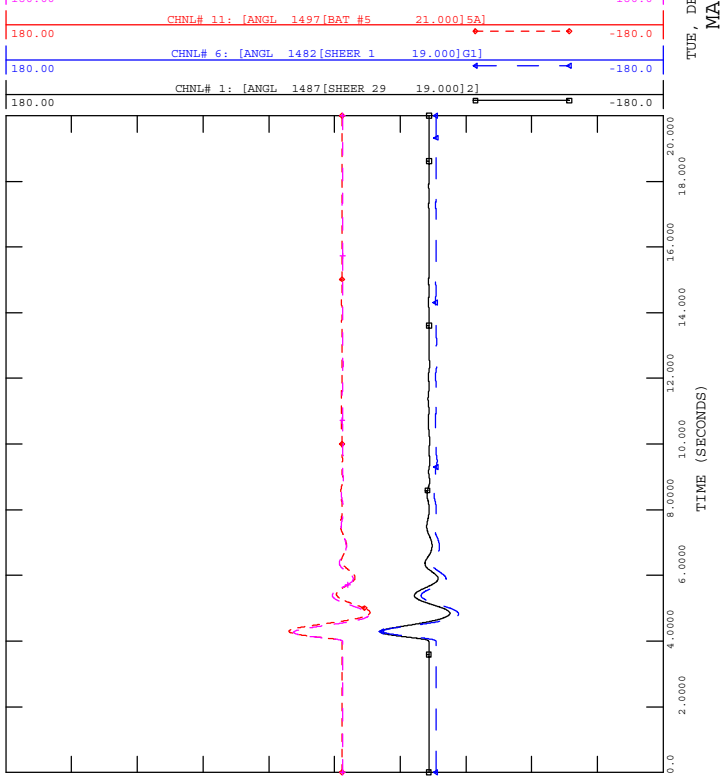


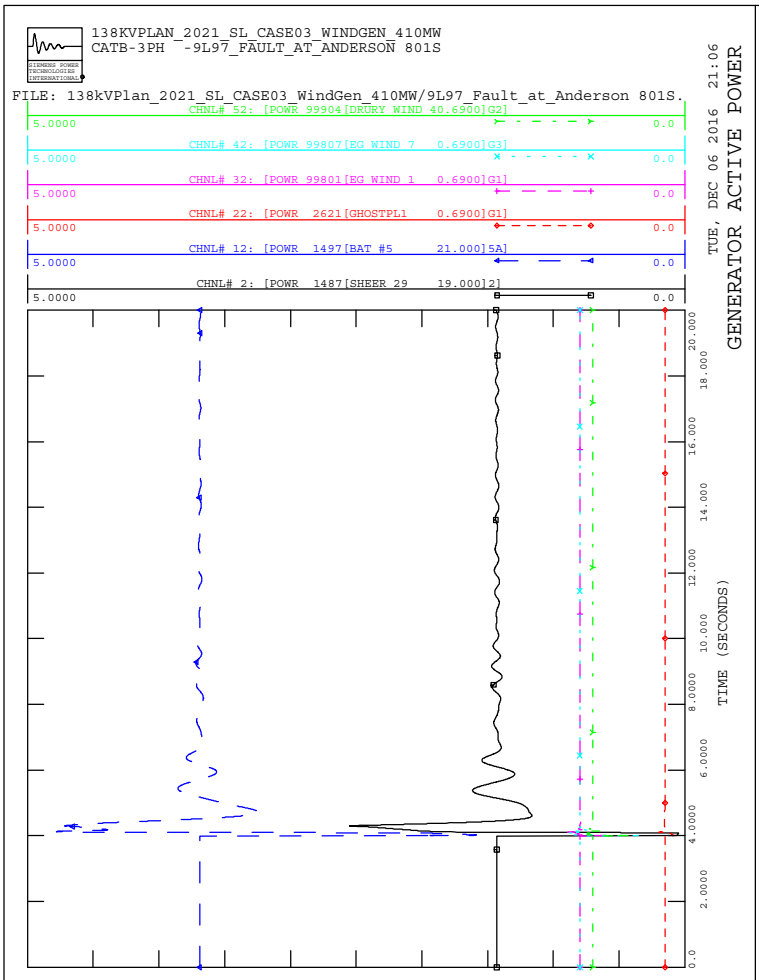
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

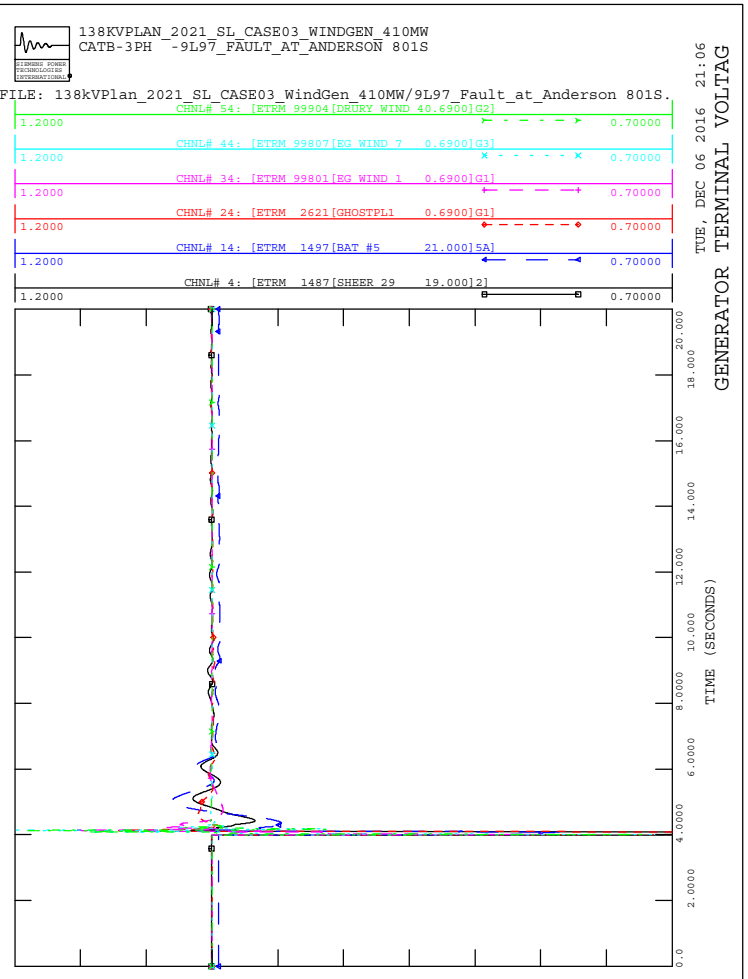
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.

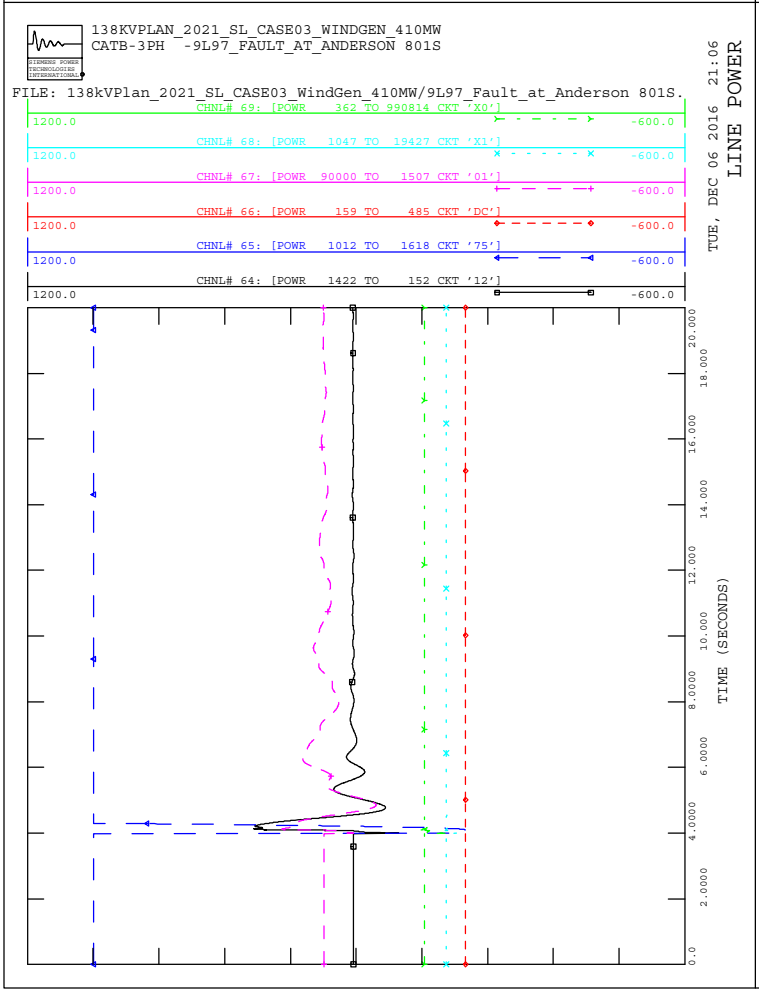
TUE, DEC 06 2016 21:06

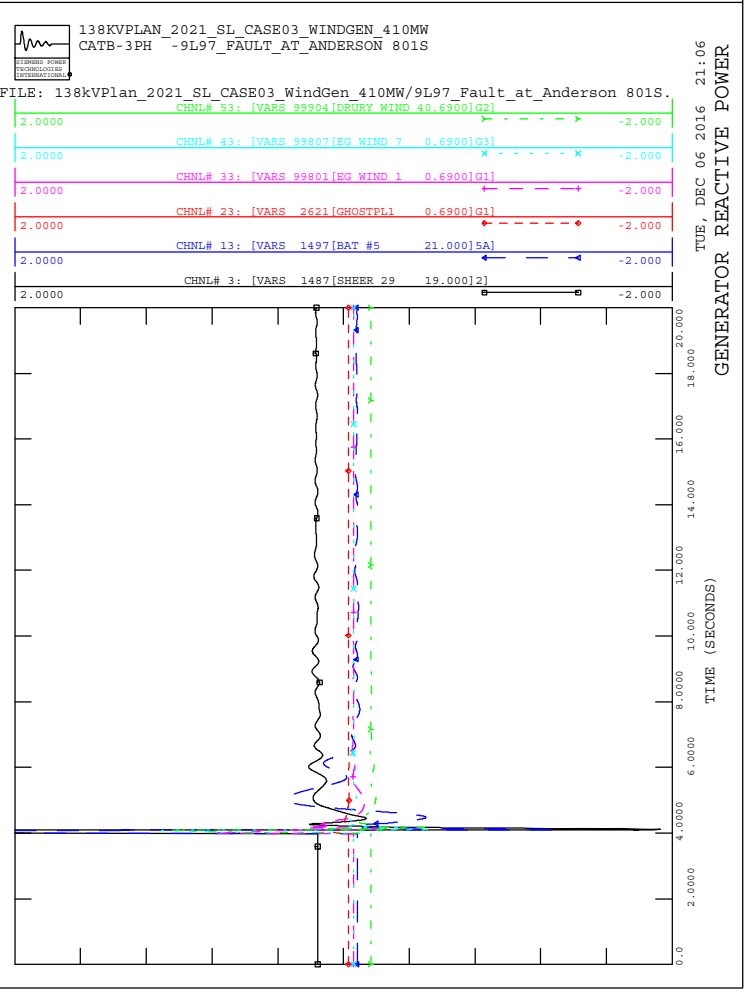
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)

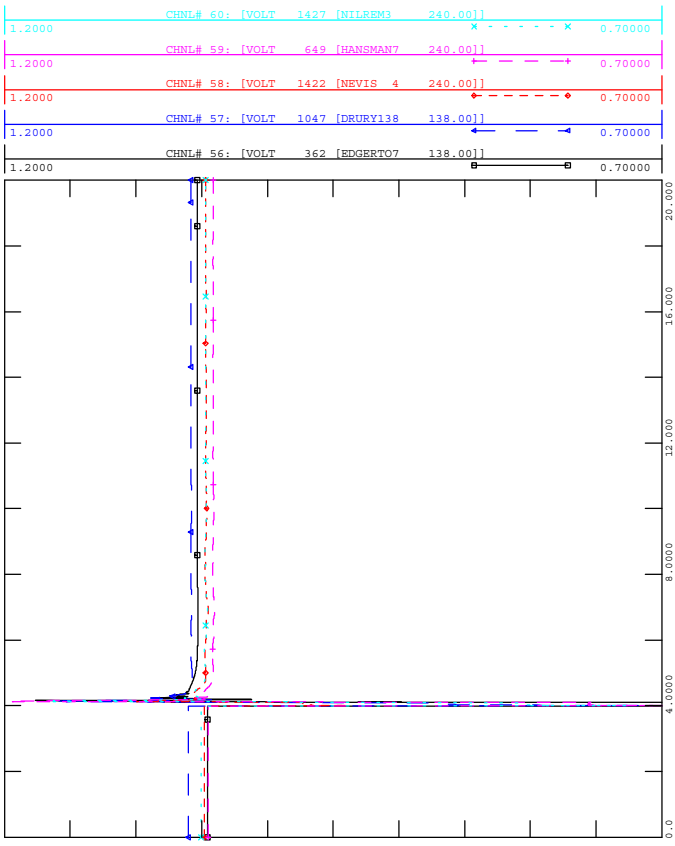

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:06

BUS VOLTAGE

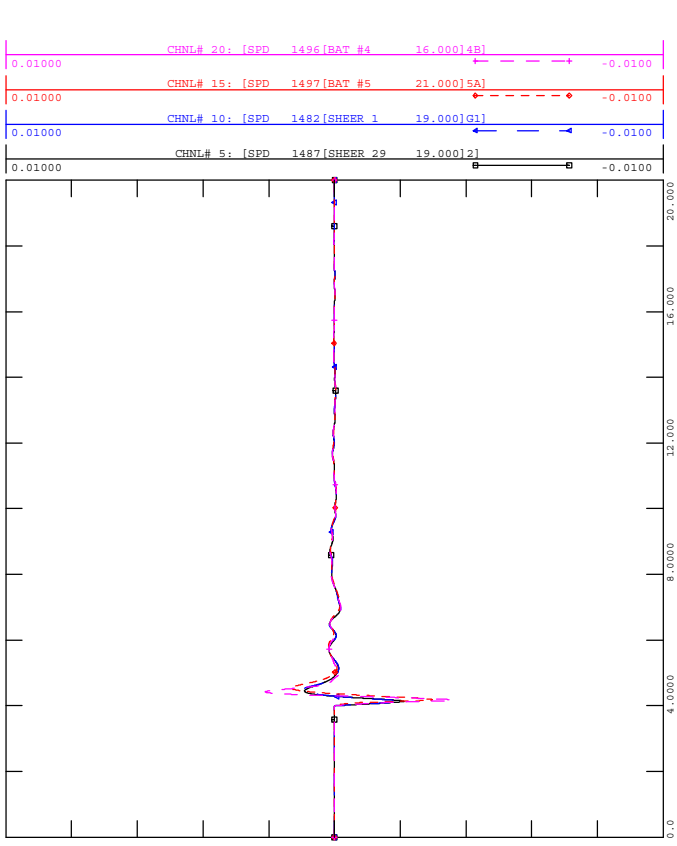


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:06

MACHINE SPEED

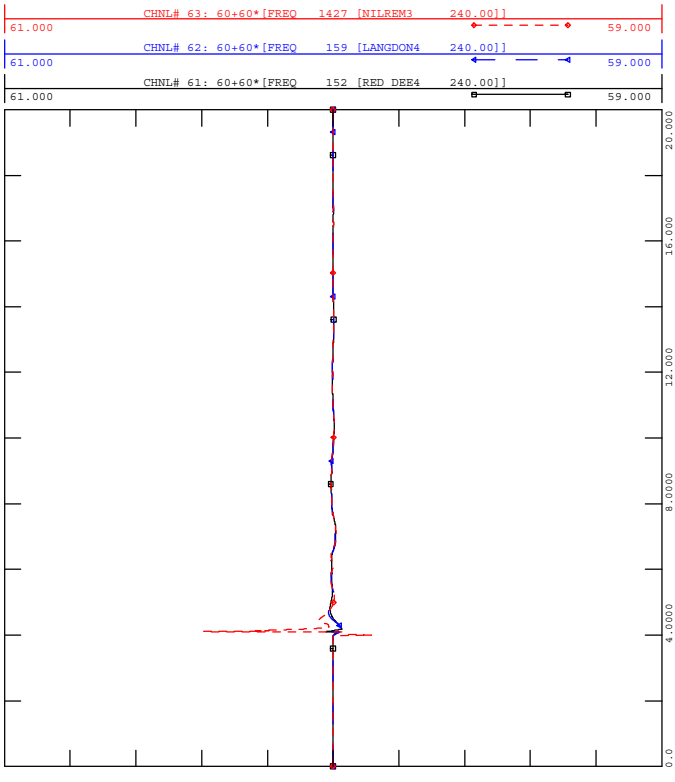


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:06

FREQUENCY

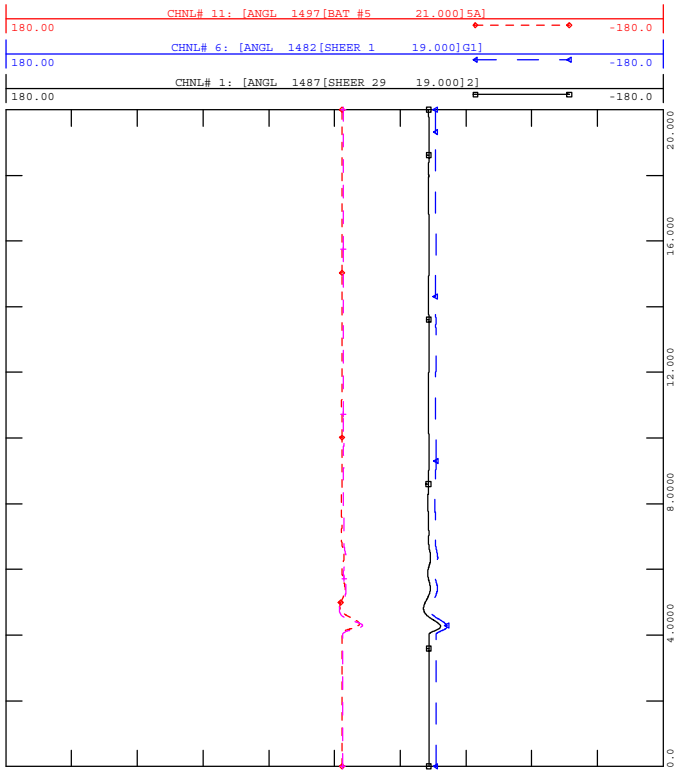


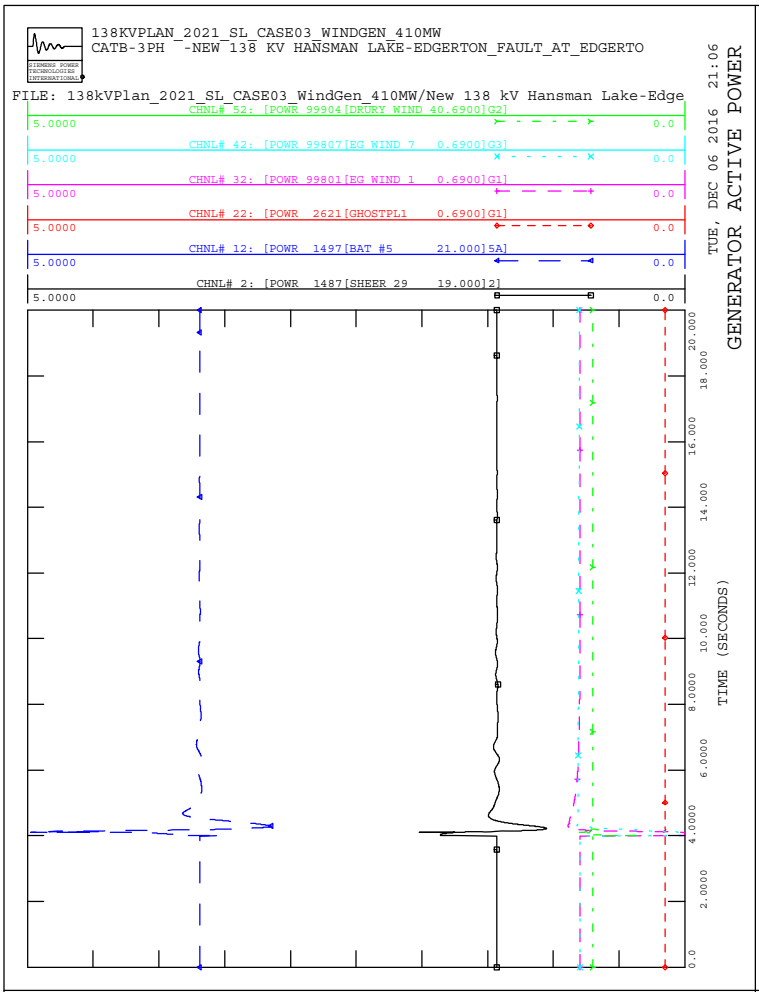
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

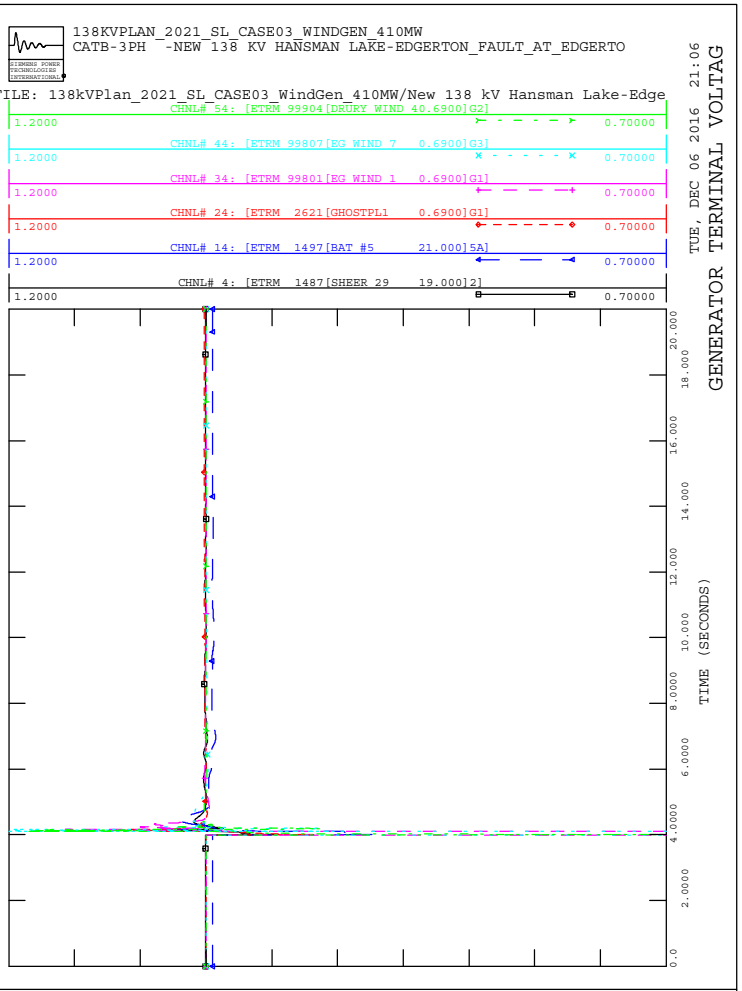
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

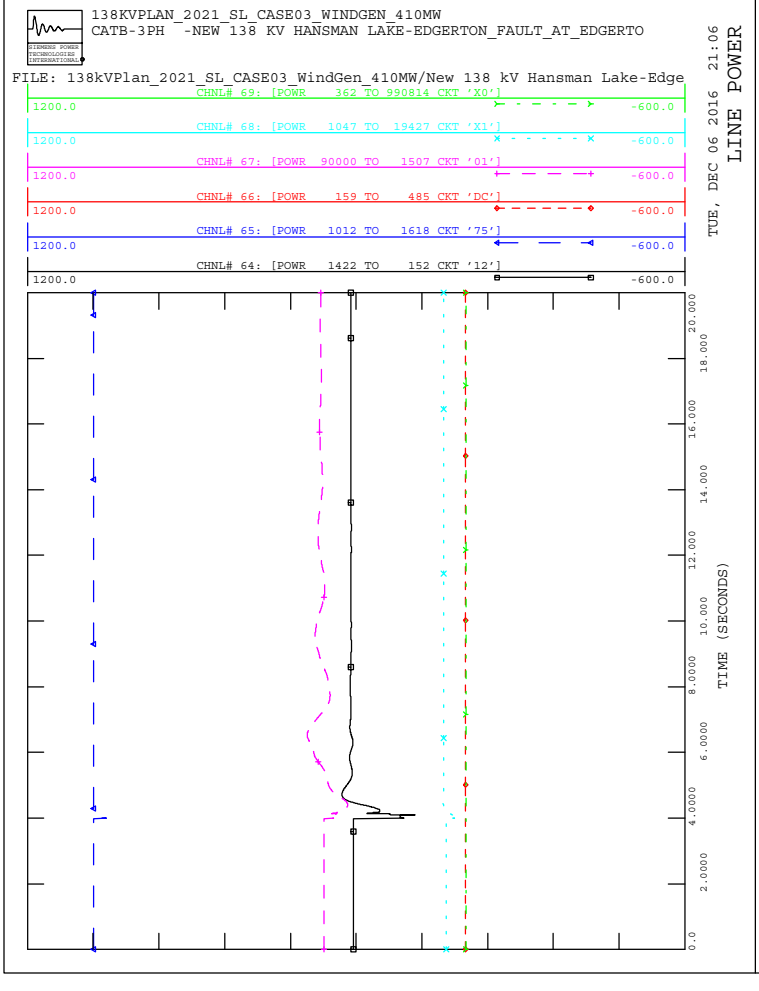
TUE, DEC 06 2016 21:06

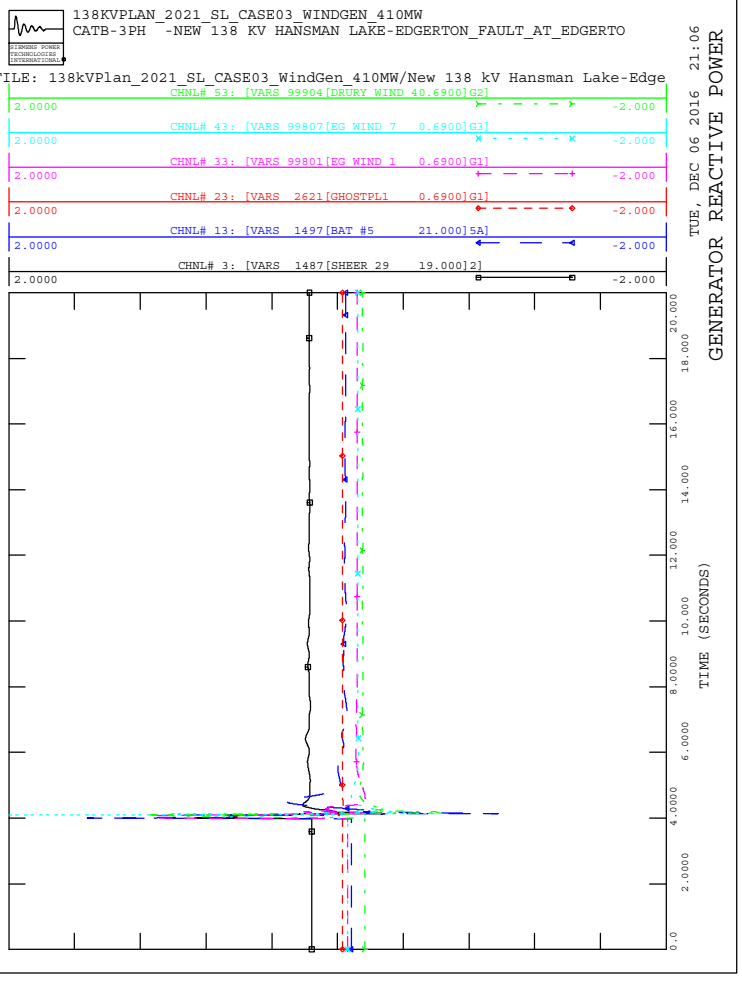
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)

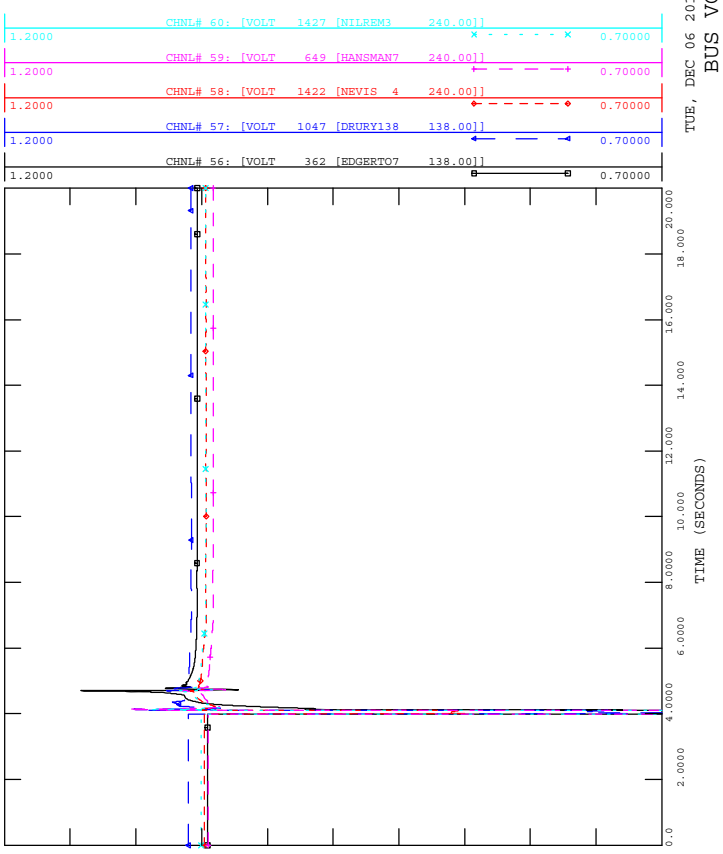

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:06

BUS VOLTAGE

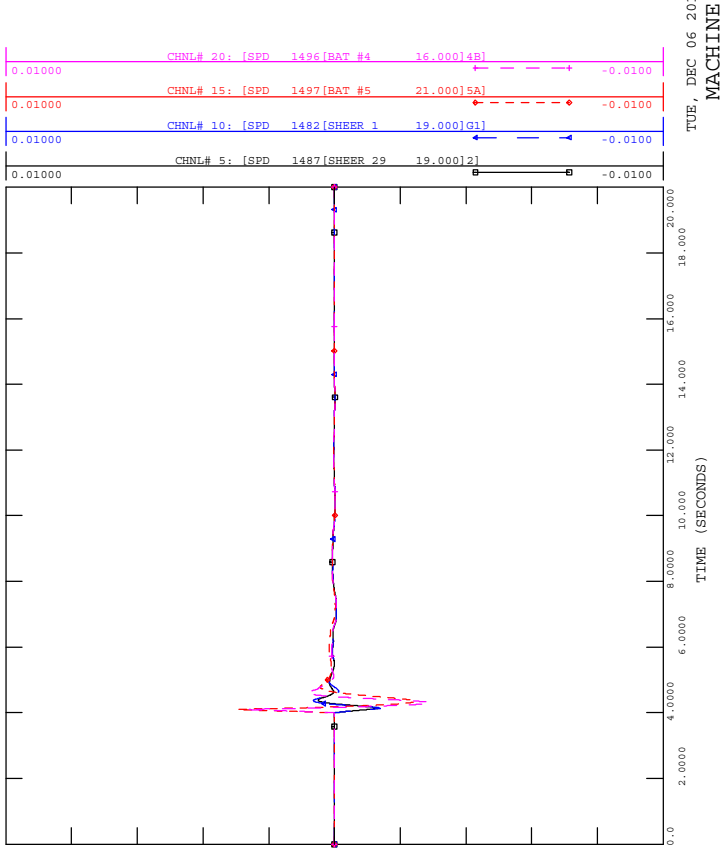


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:06

MACHINE SPEED

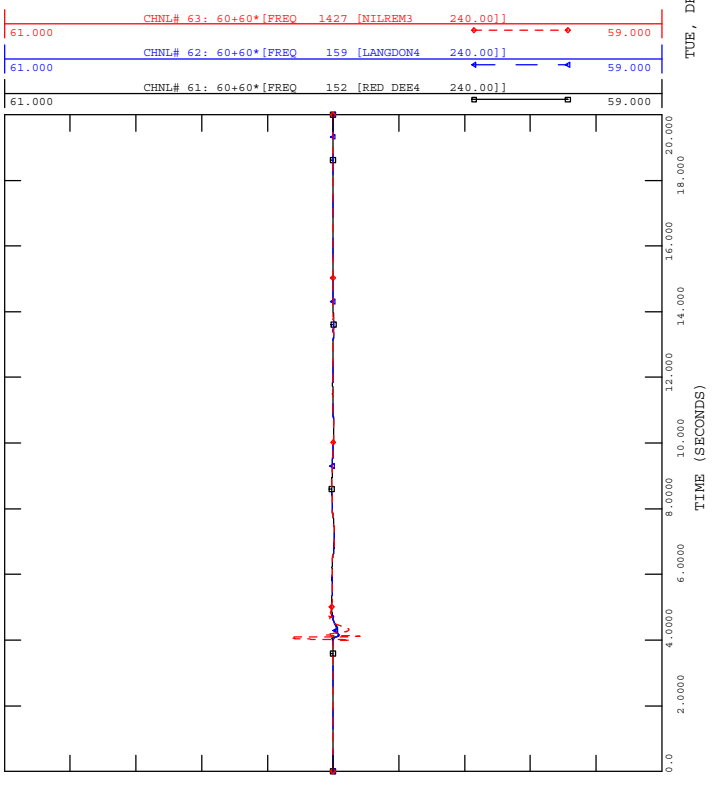


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:06

FREQUENCY

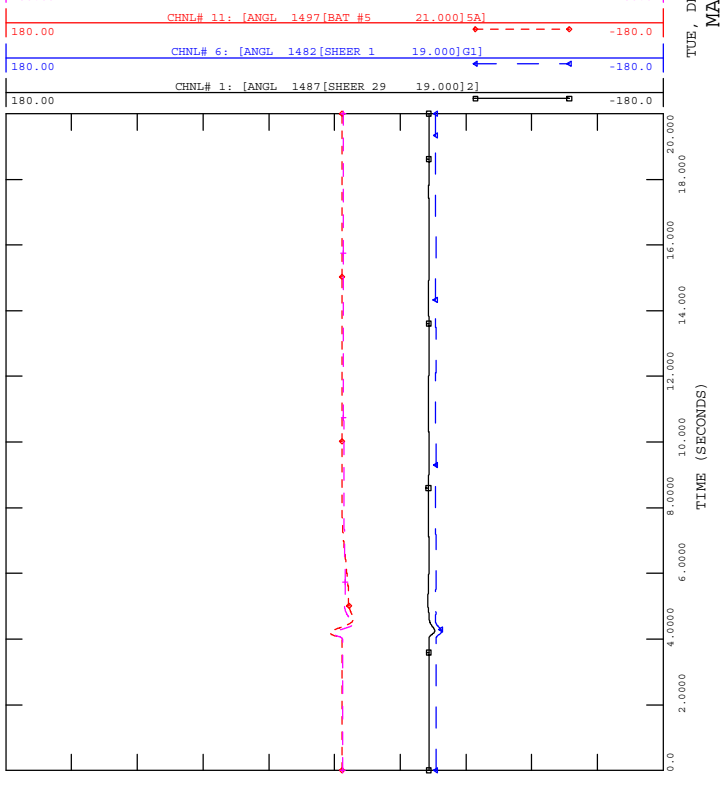


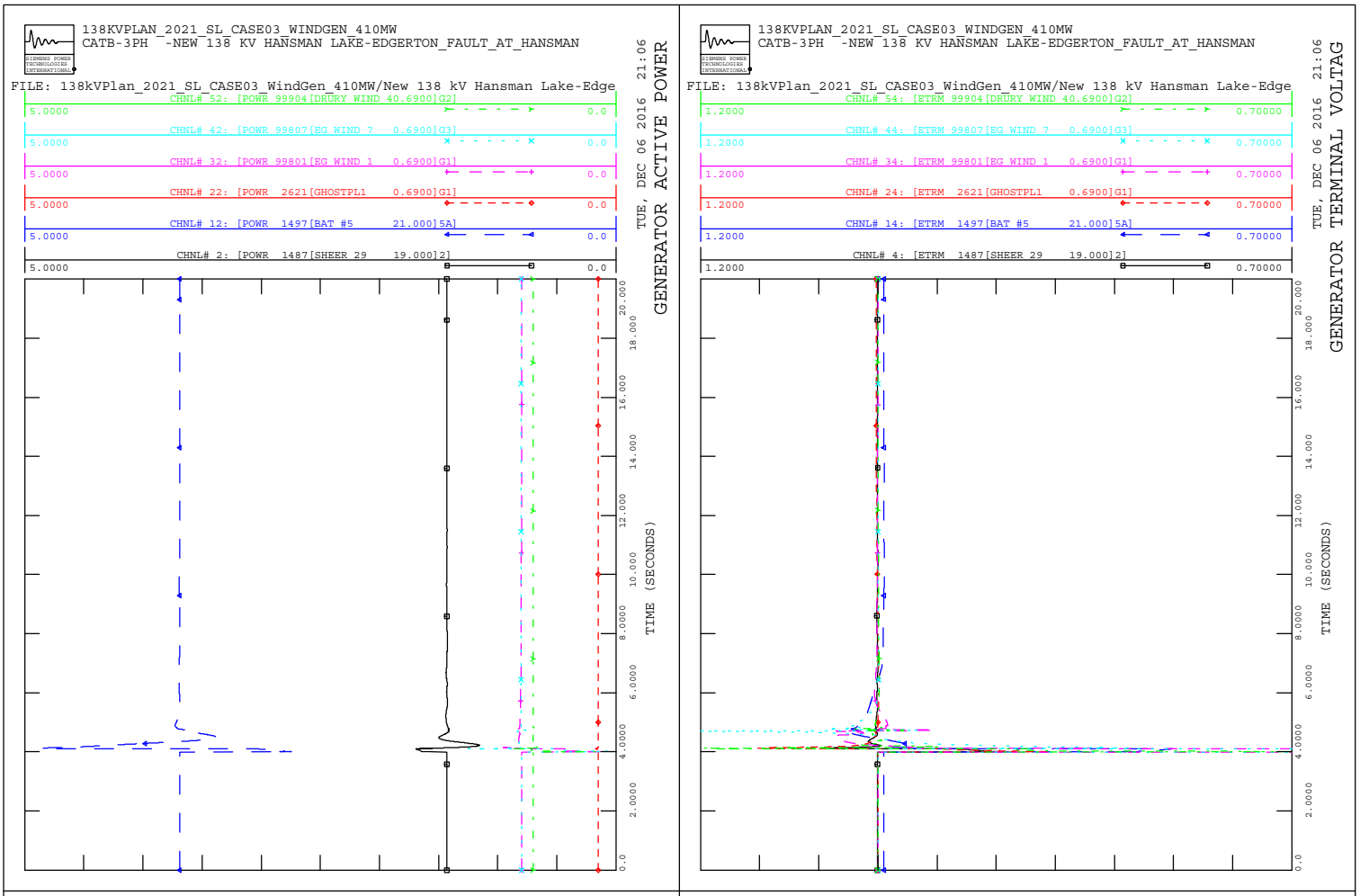
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:06

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:06

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:06

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:06

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

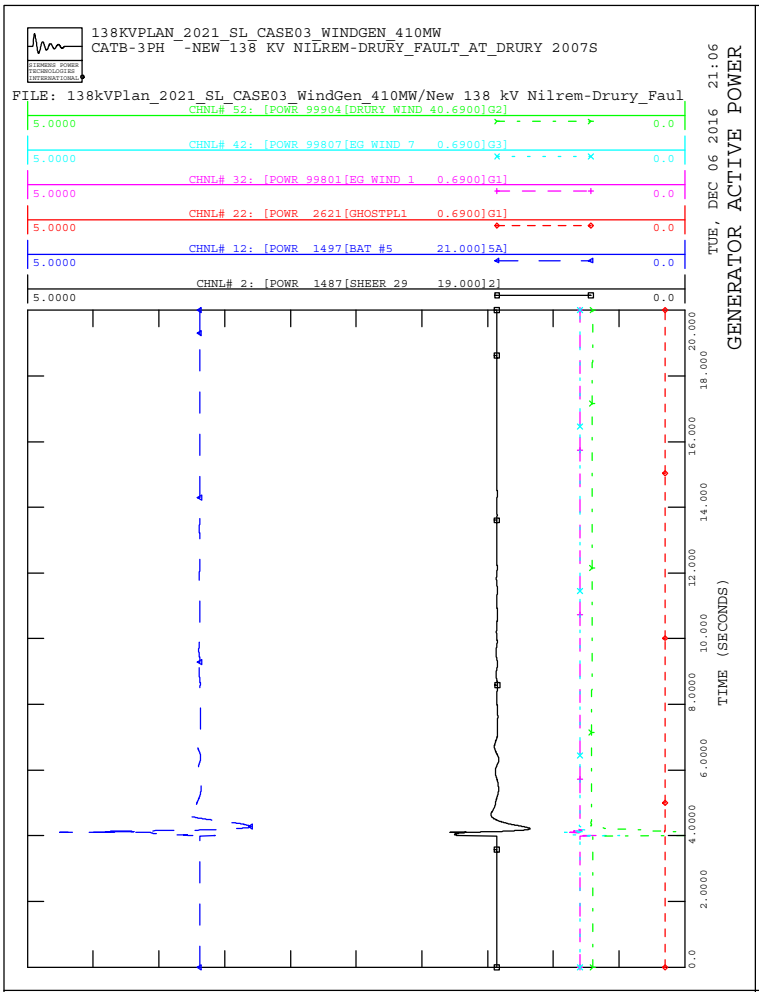
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

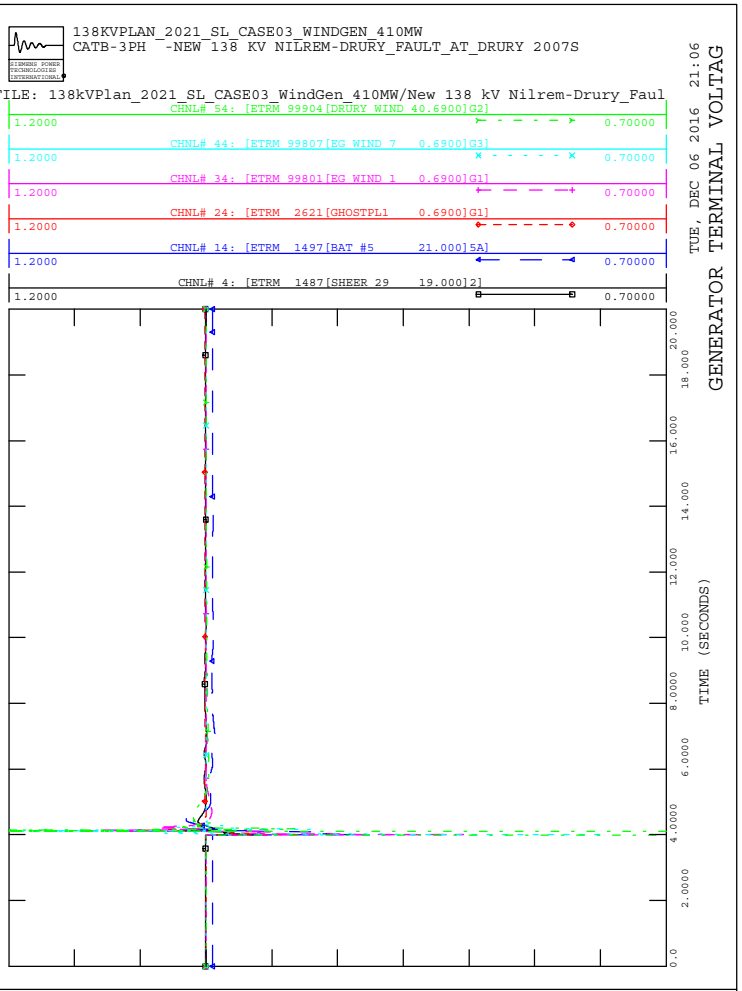
TUE, DEC 06 2016 21:06

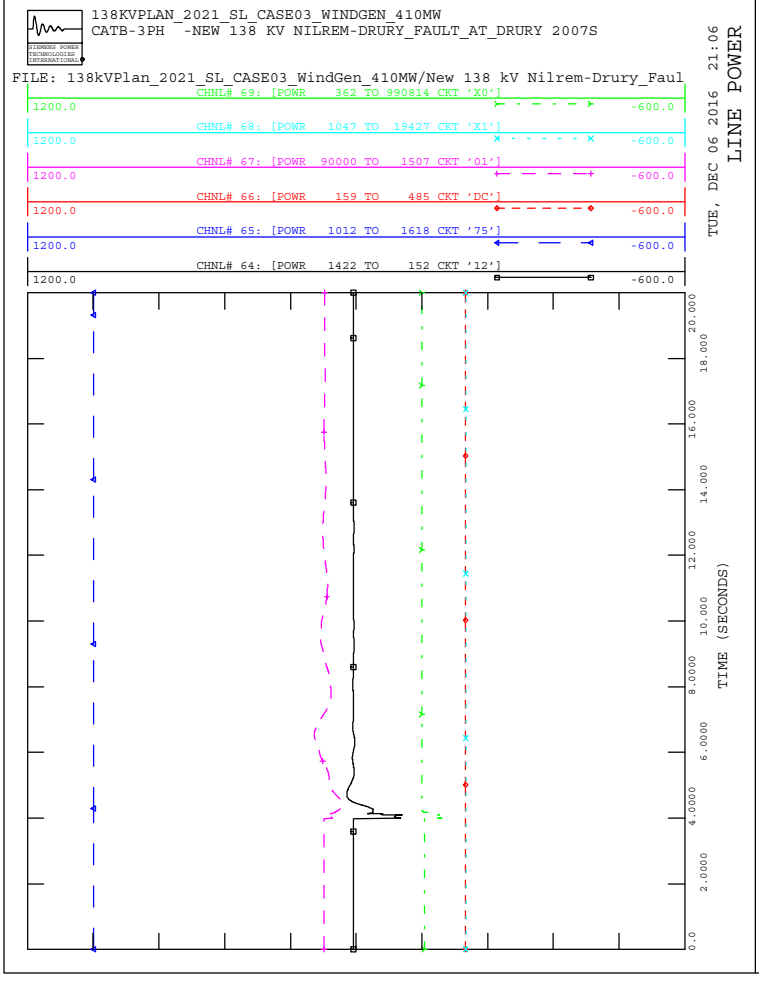
MACHINE ANGLE

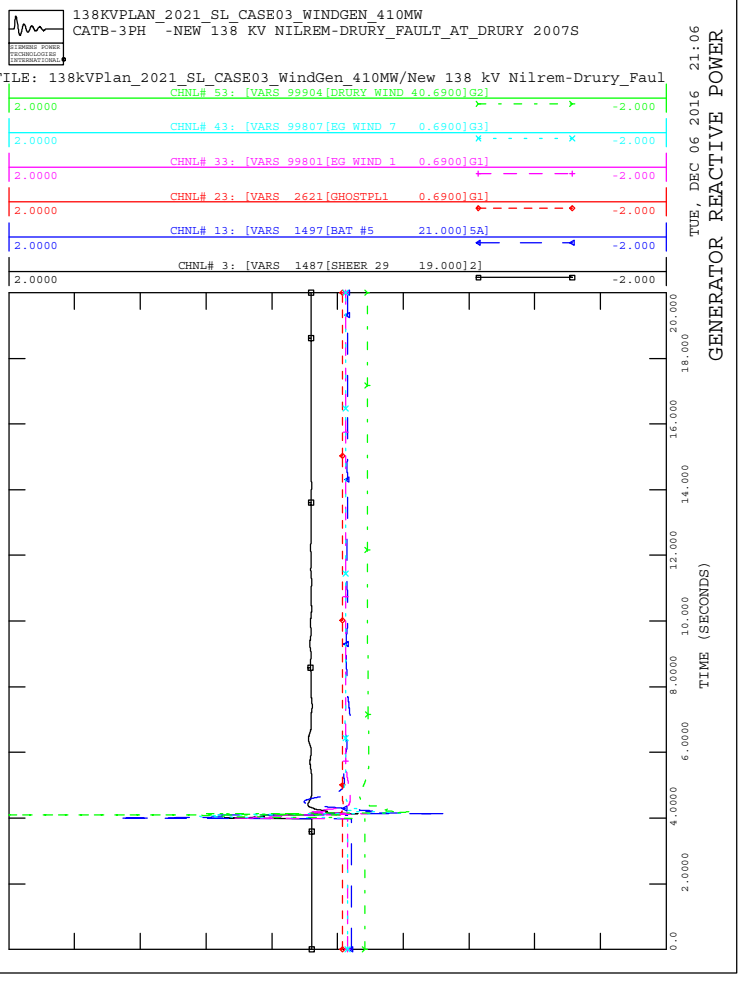
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)

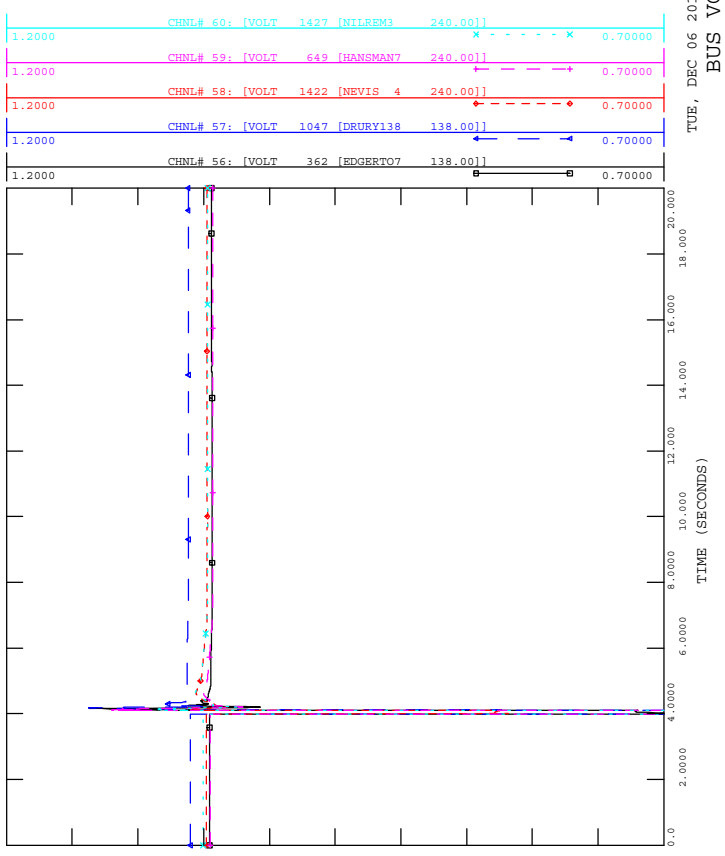

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:06

BUS VOLTAGE

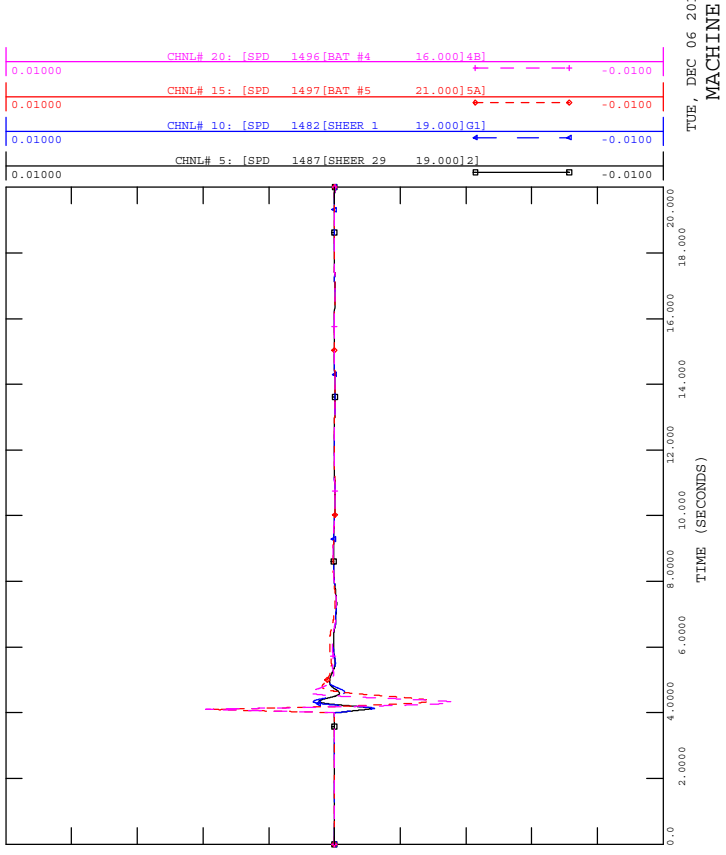


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:06

MACHINE SPEED

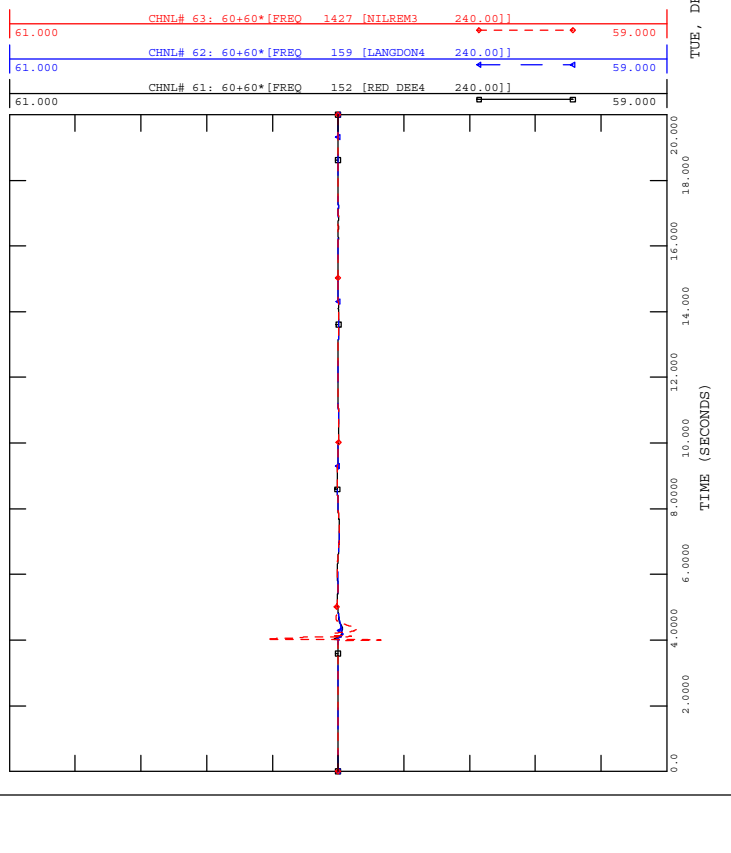


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:06

FREQUENCY

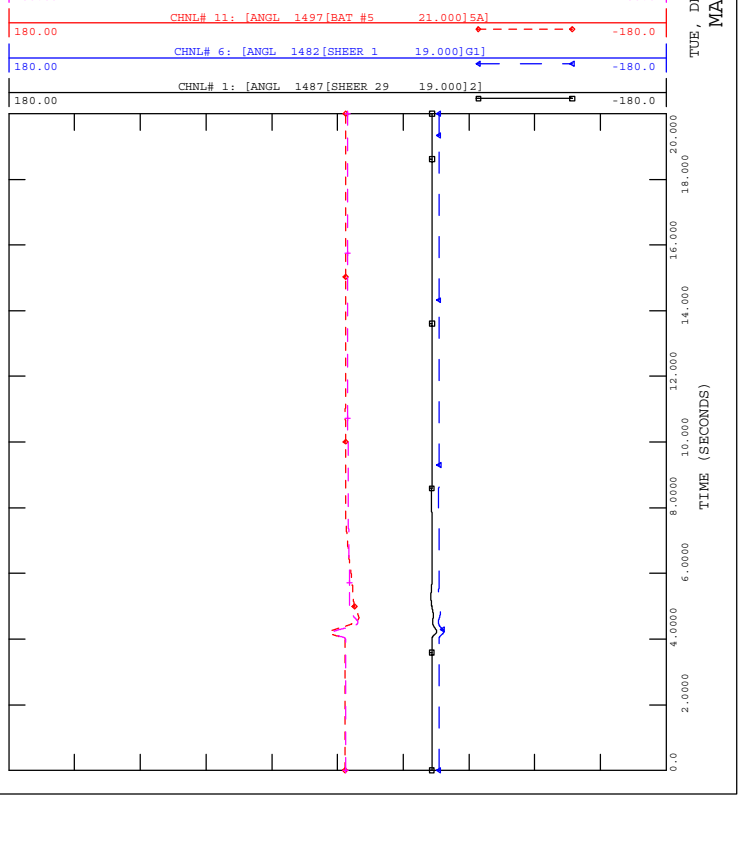


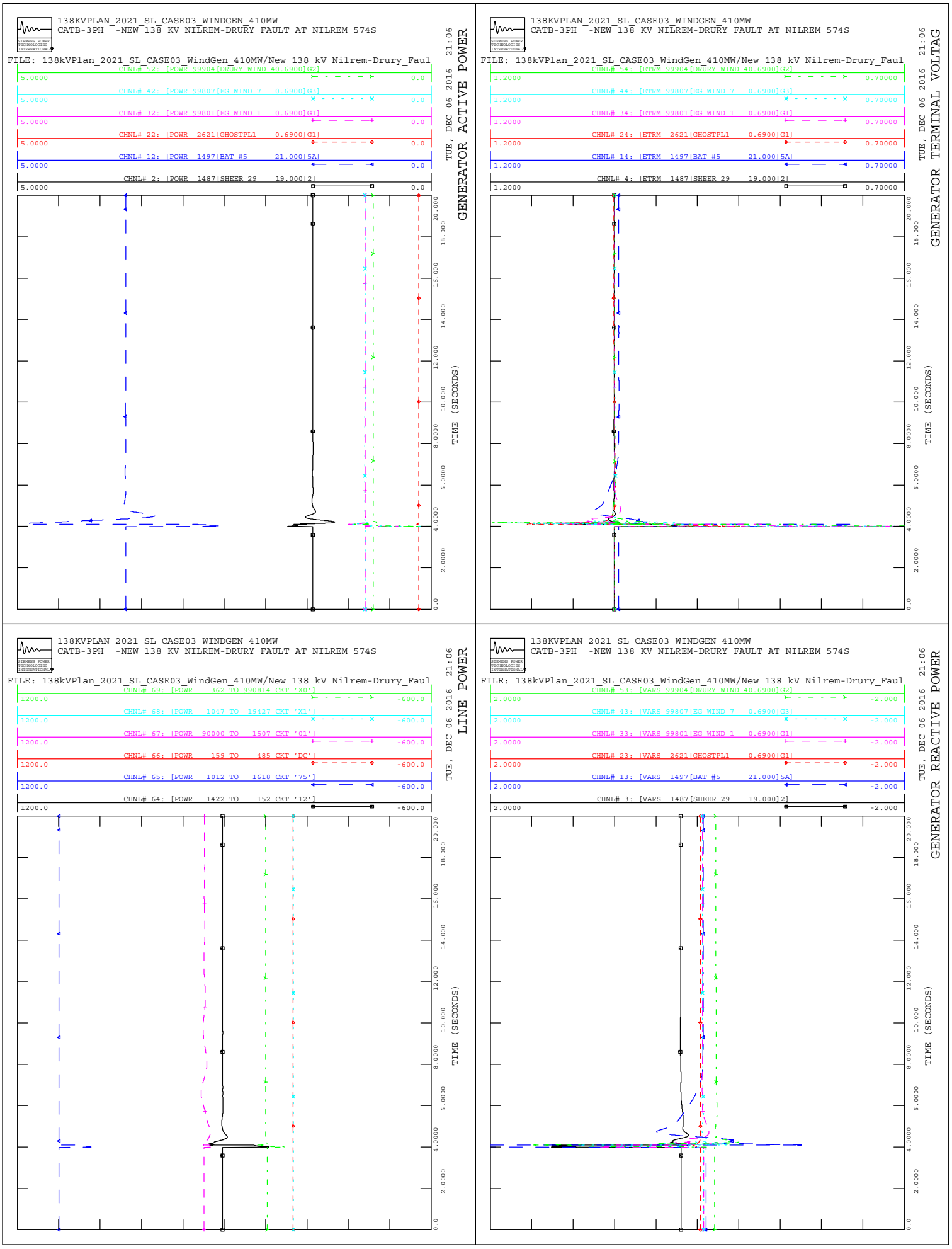
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

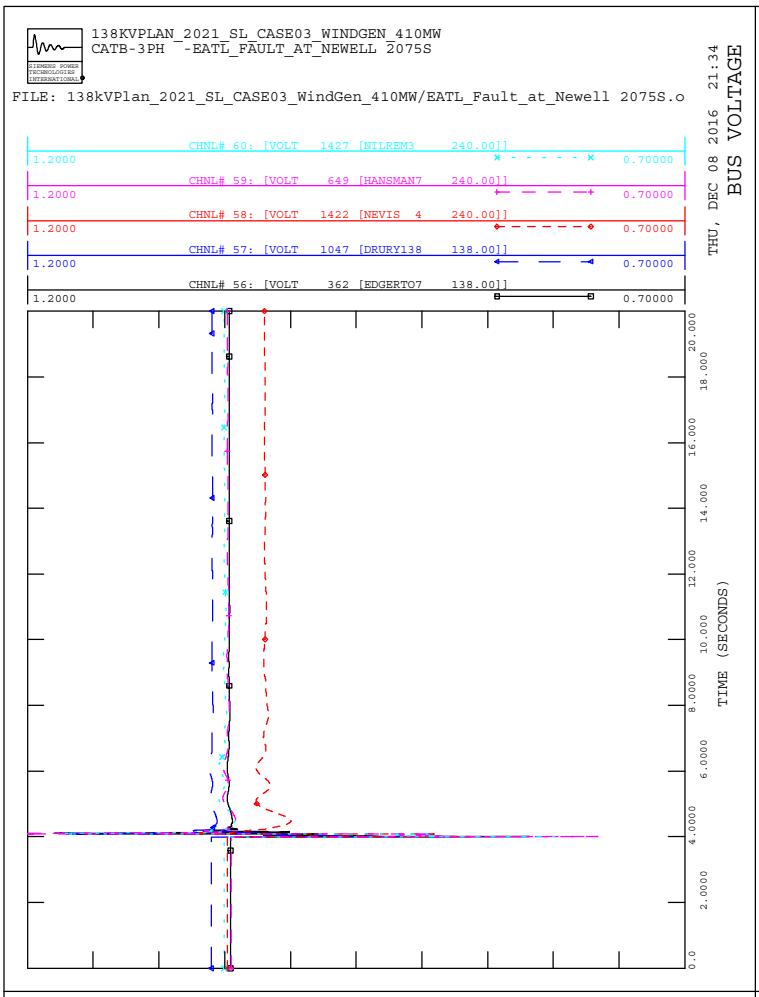
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

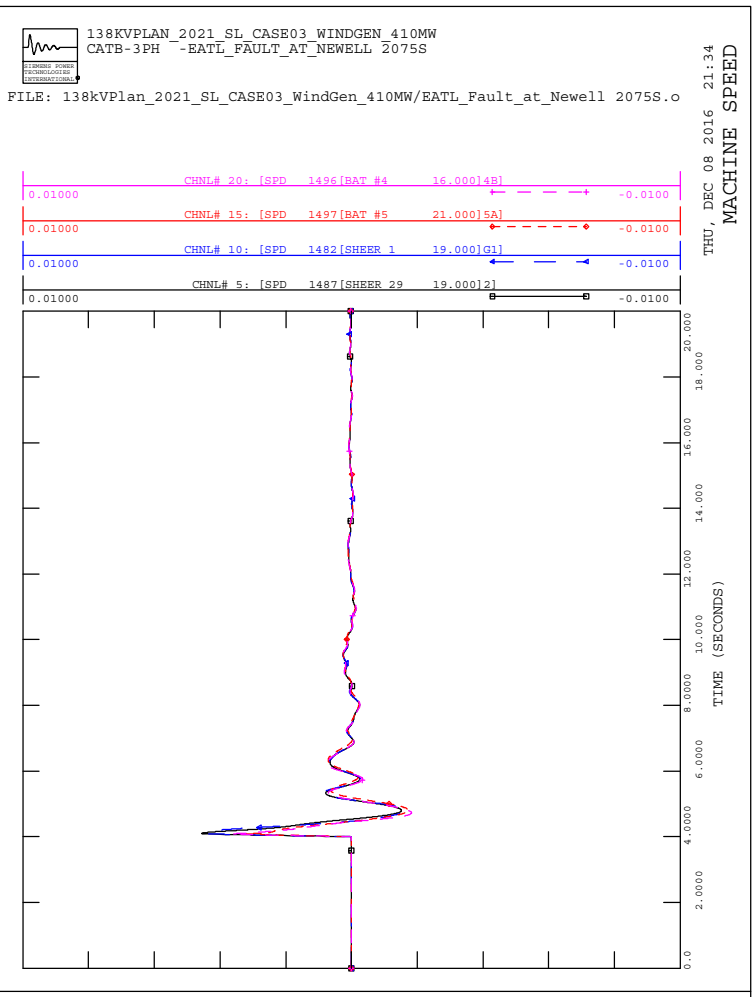
TUE, DEC 06 2016 21:06

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:06
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:06
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:06
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:06
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
THU, DEC 08 2016 21:34
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
THU, DEC 08 2016 21:34
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
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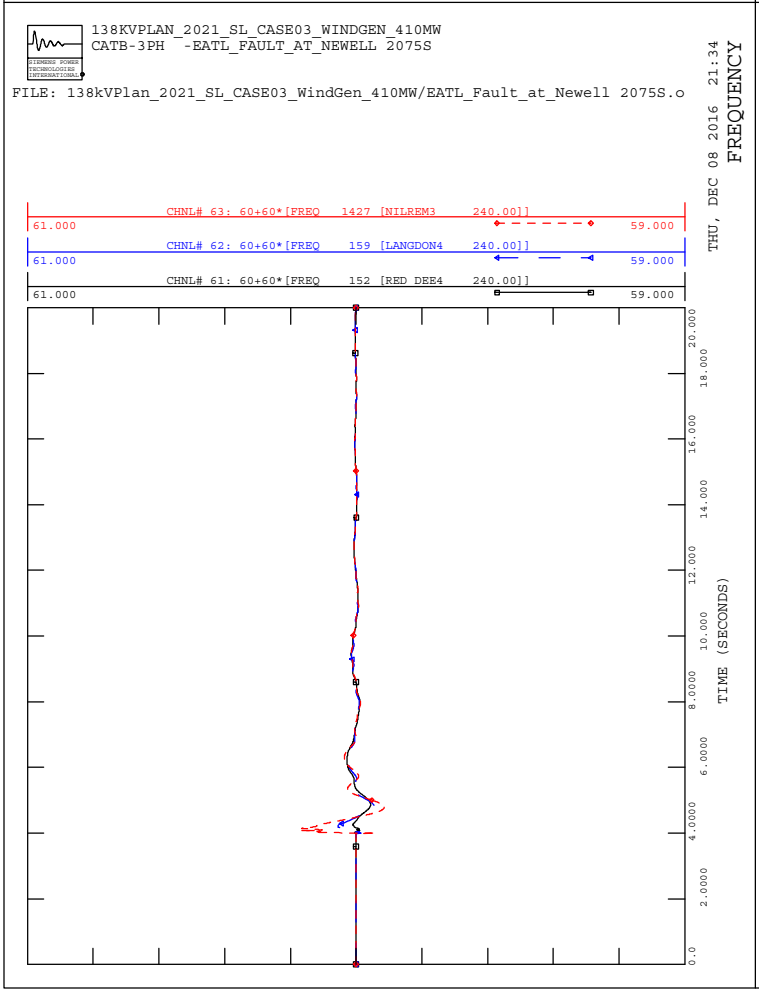
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
THU, DEC 08 2016 21:34
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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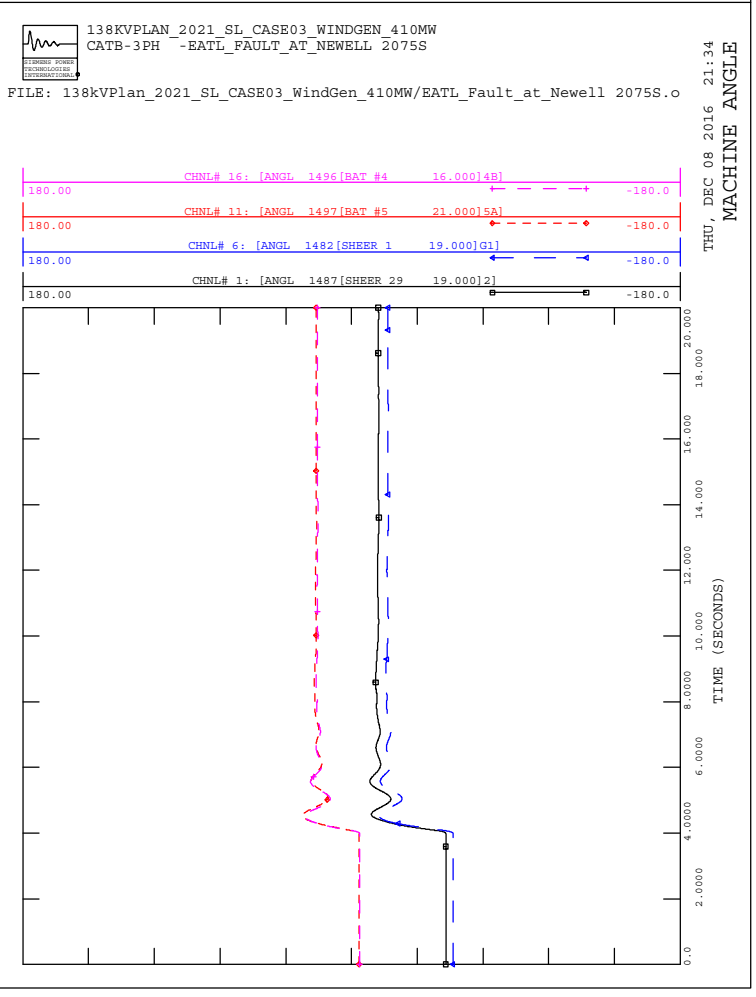
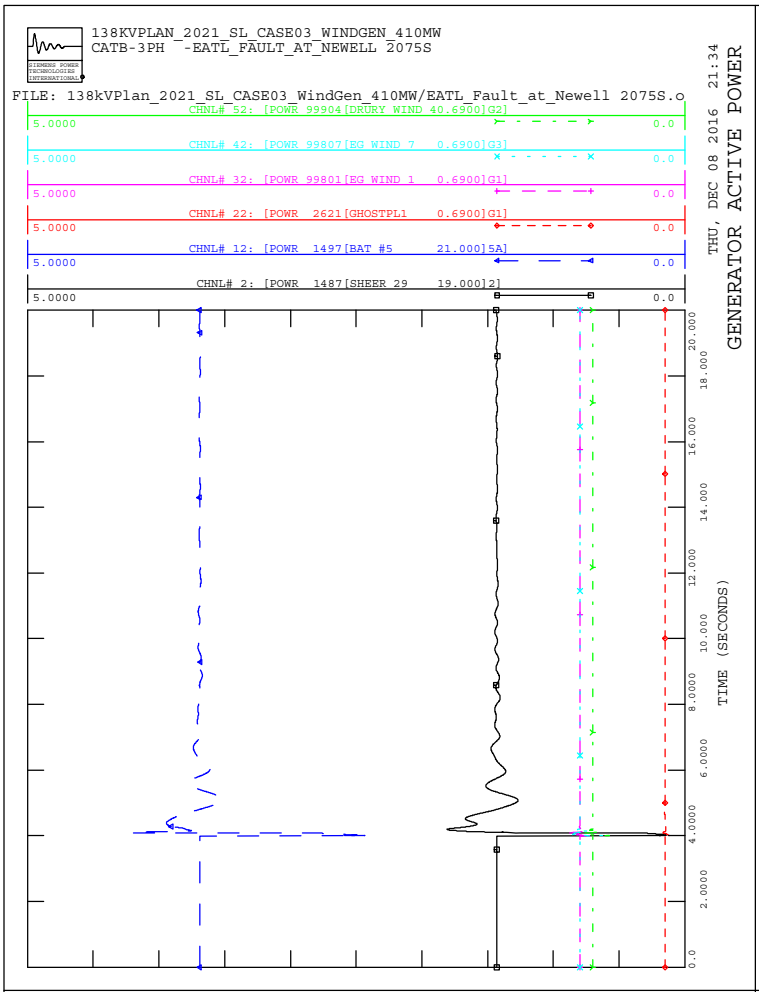
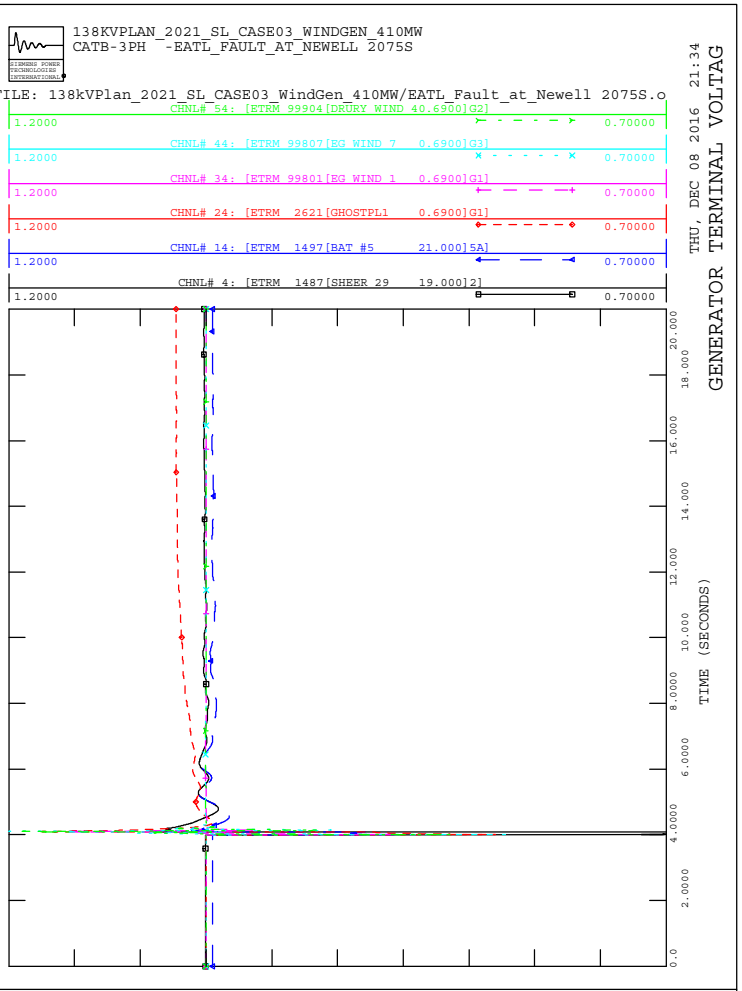
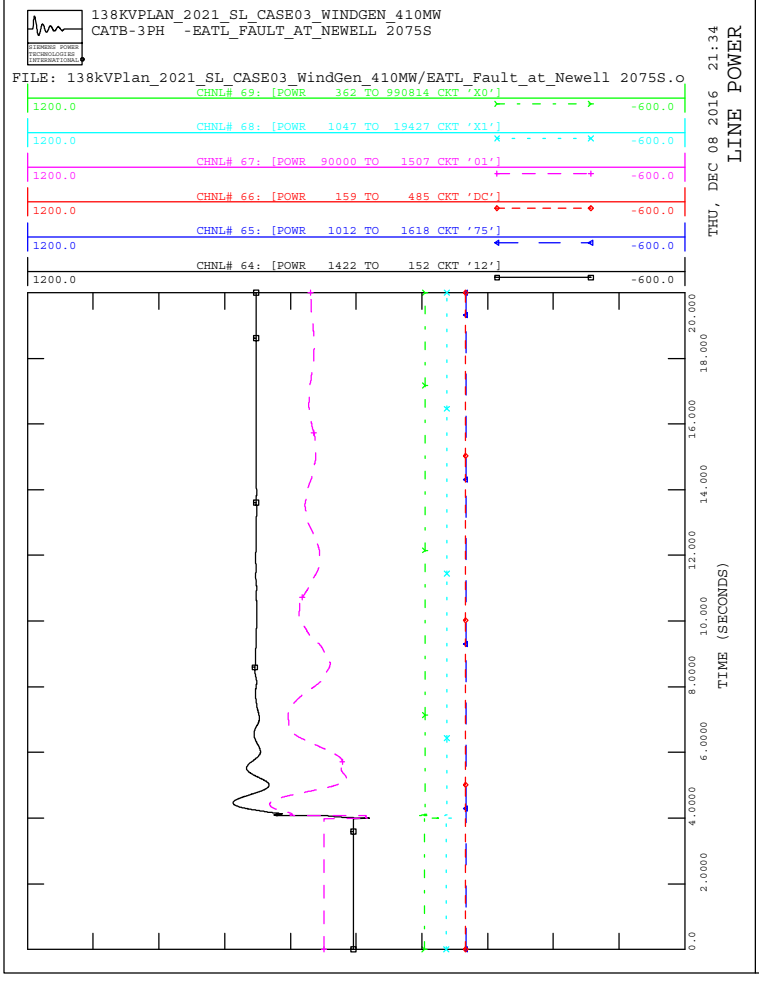
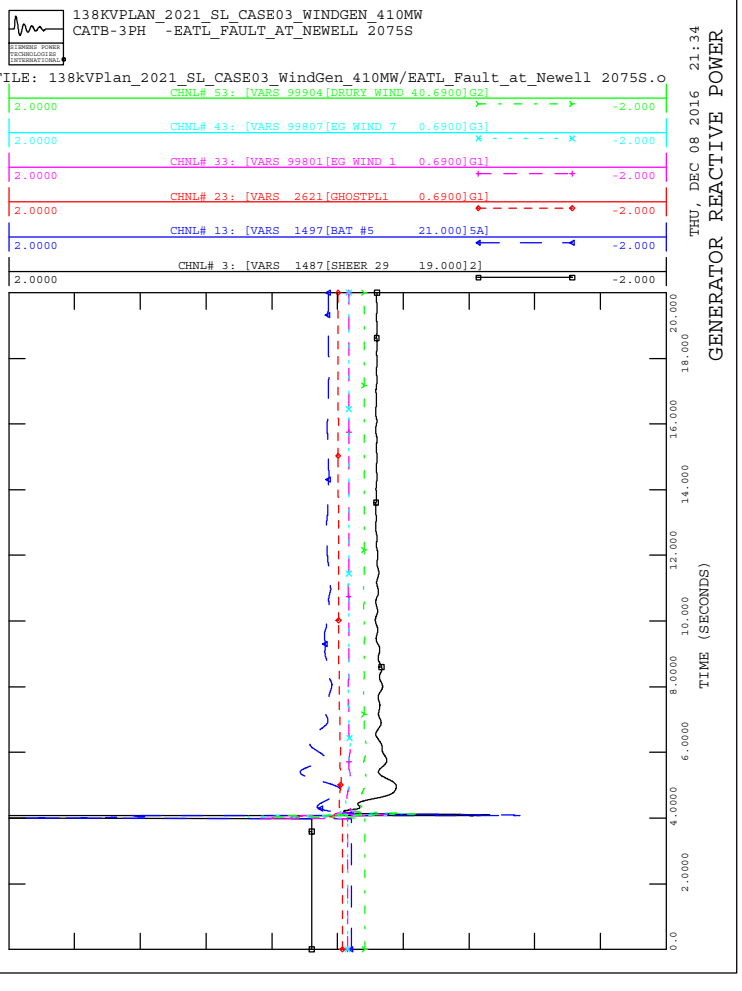
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
THU, DEC 08 2016 21:34
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
THU, DEC 08 2016 21:34
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
THU, DEC 08 2016 21:34
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
THU, DEC 08 2016 21:34
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
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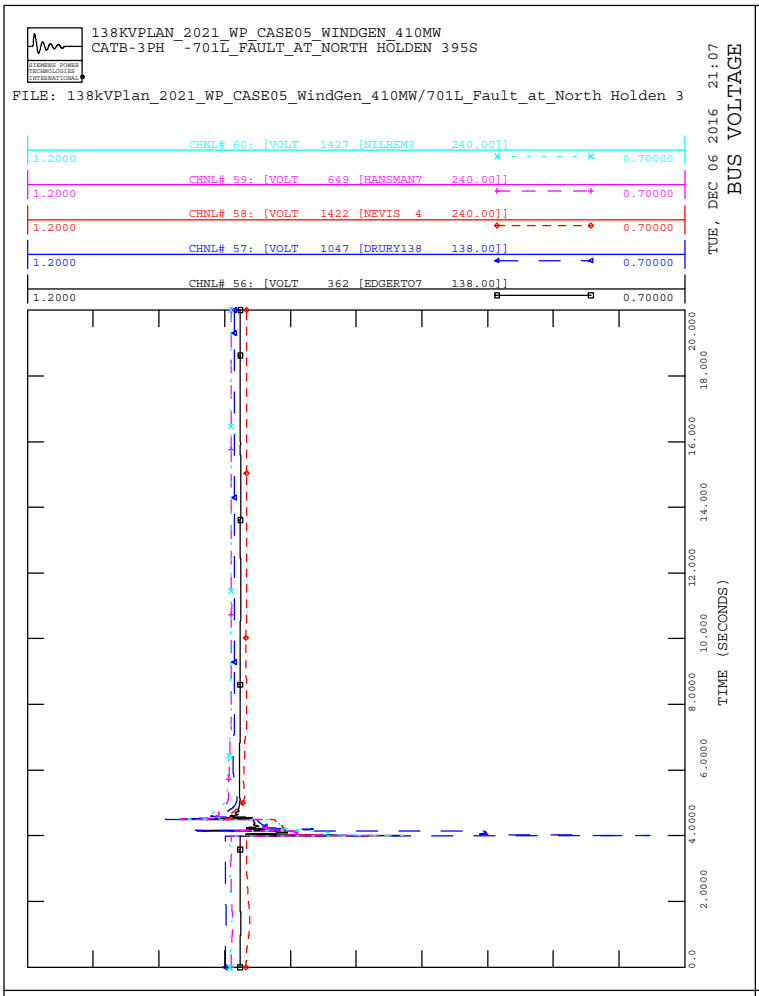
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
THU, DEC 08 2016 21:34
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

Transient Stability Analysis Plots

Alternative 1-138 kV Plan

2021 Winter Peak

Category B (Three-phase-to-ground Fault)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
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TUE, DEC 06 2016 21:07
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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4.0000
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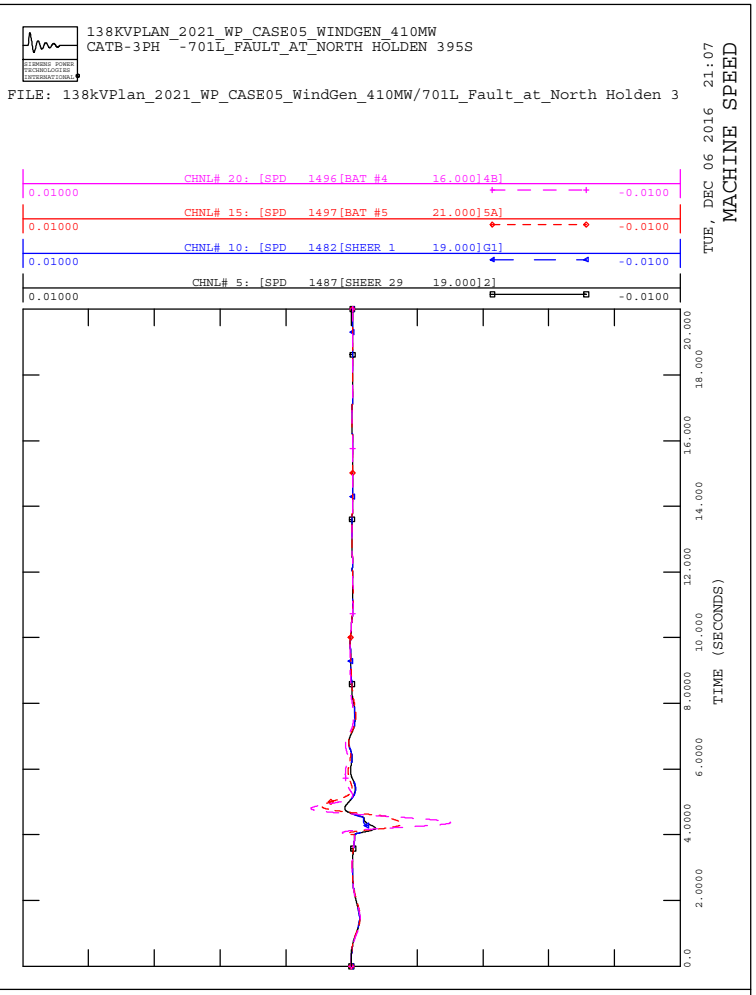
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
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TUE, DEC 06 2016 21:07
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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12.000
14.000
16.000
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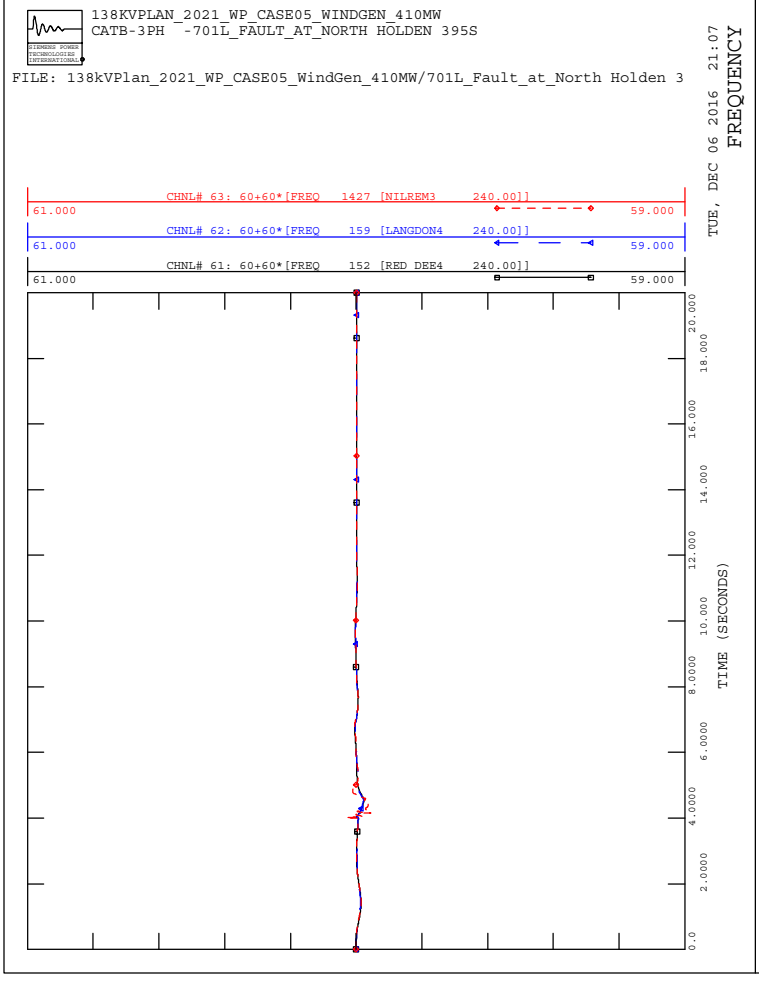
20.000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CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
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TUE, DEC 06 2016 21:07
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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12.000
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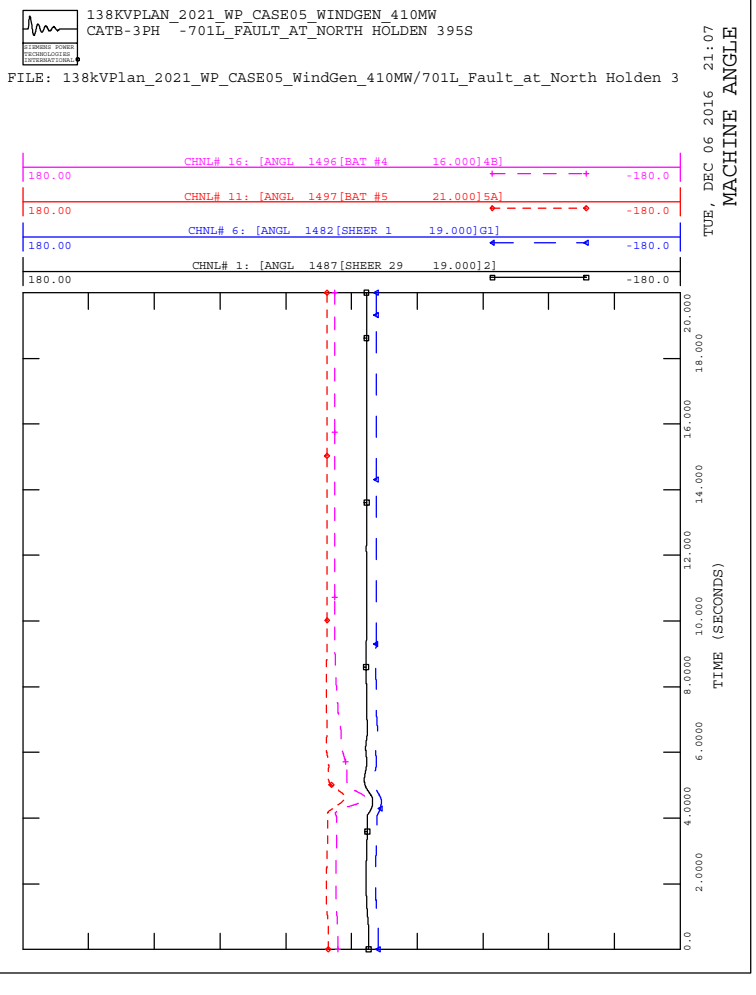
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CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
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TUE, DEC 06 2016 21:07
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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4.0000
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10.000
12.000
14.000
16.000
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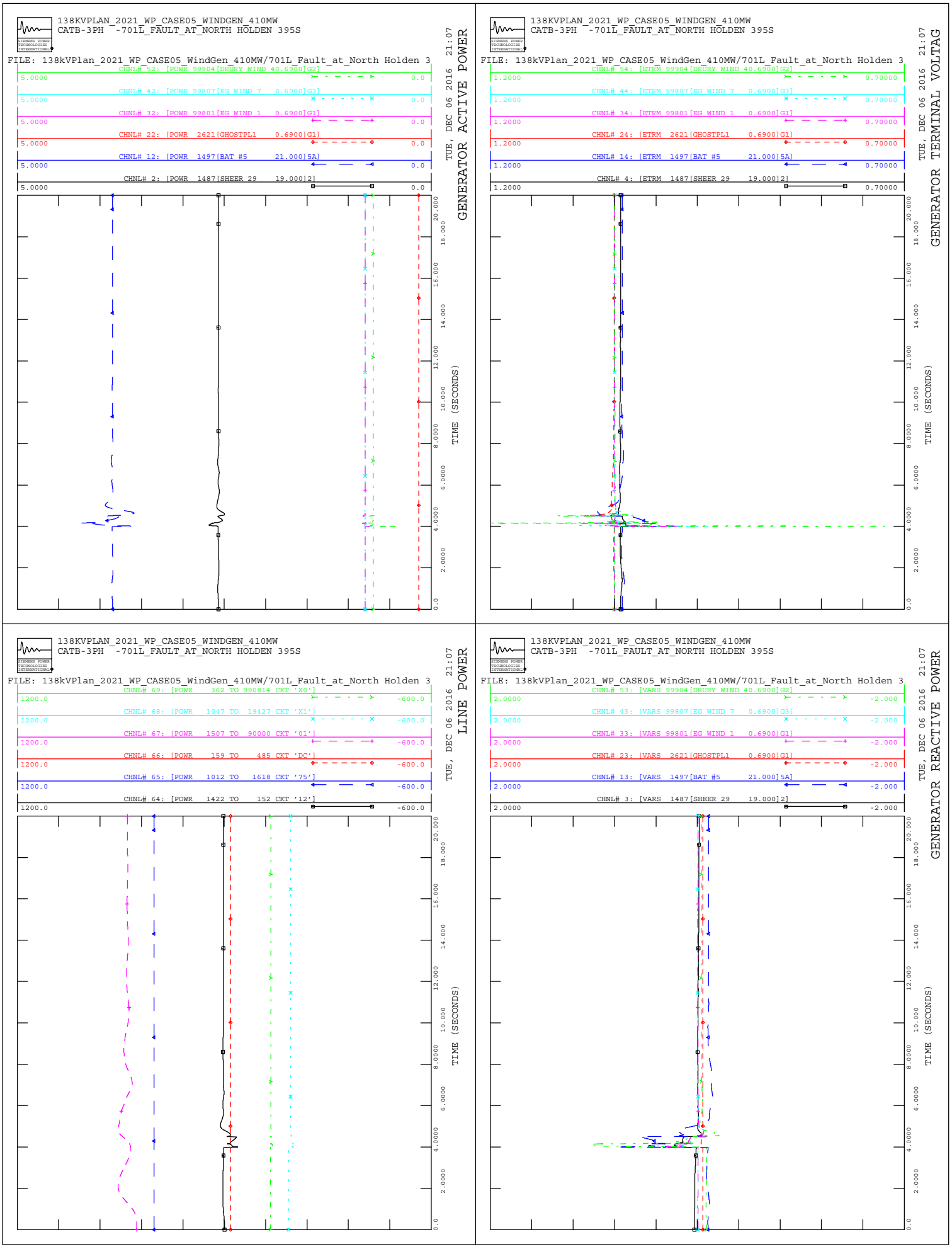
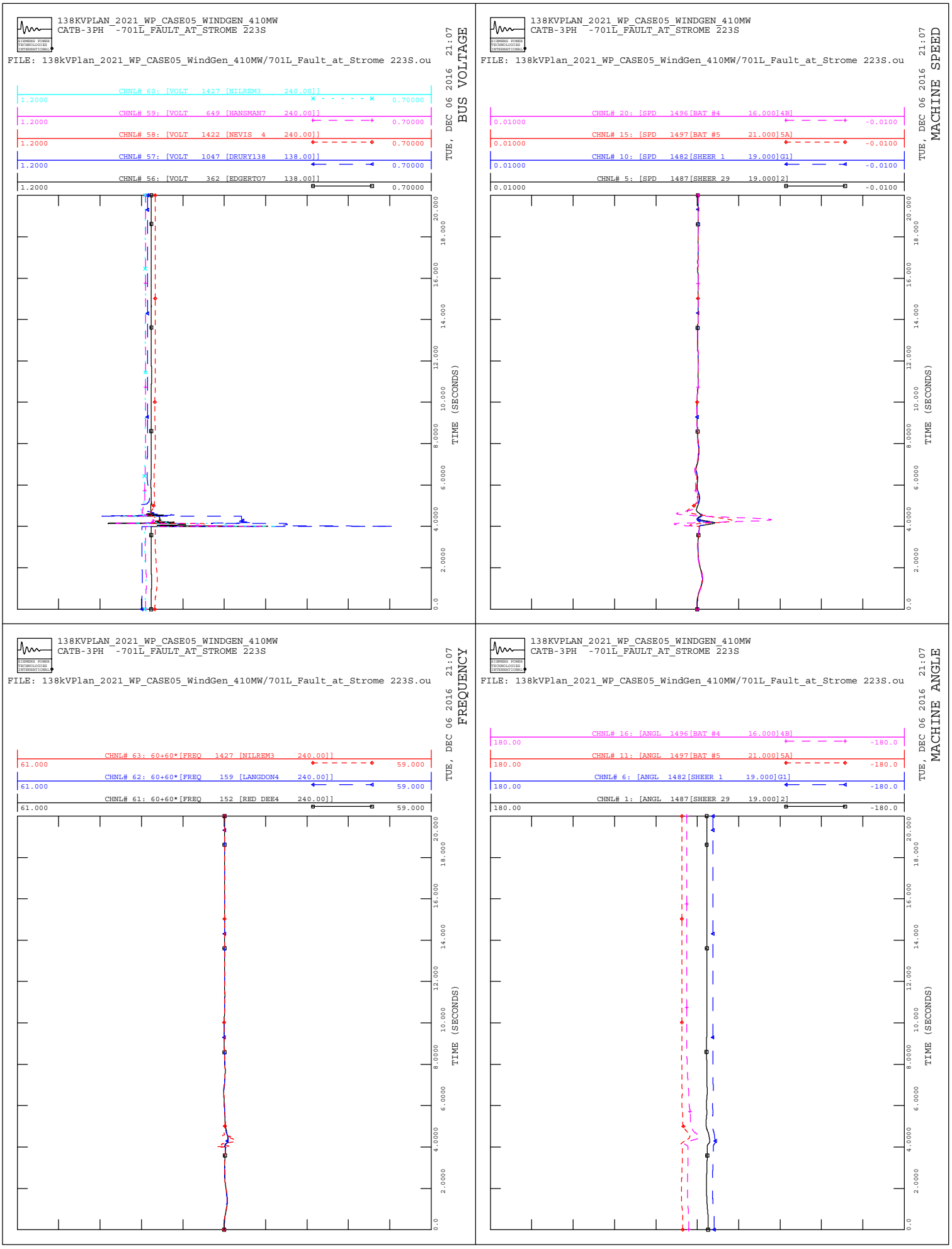
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:07
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S
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BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
TUE, DEC 06 2016 21:07
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
TUE, DEC 06 2016 21:07
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
TUE, DEC 06 2016 21:07
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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4.0000
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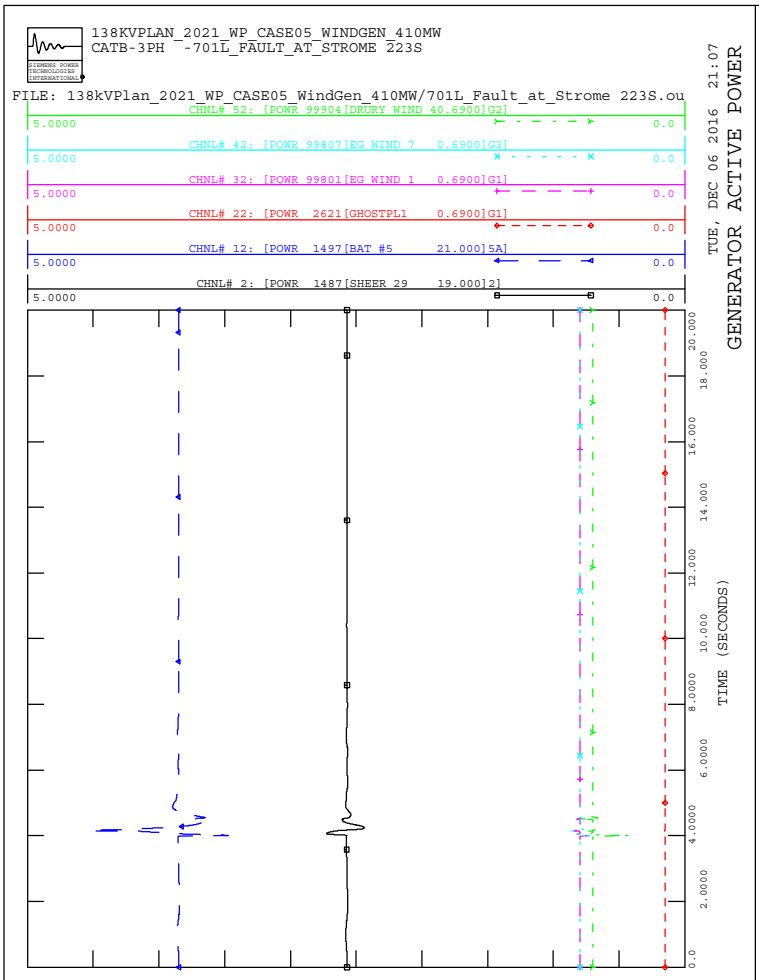
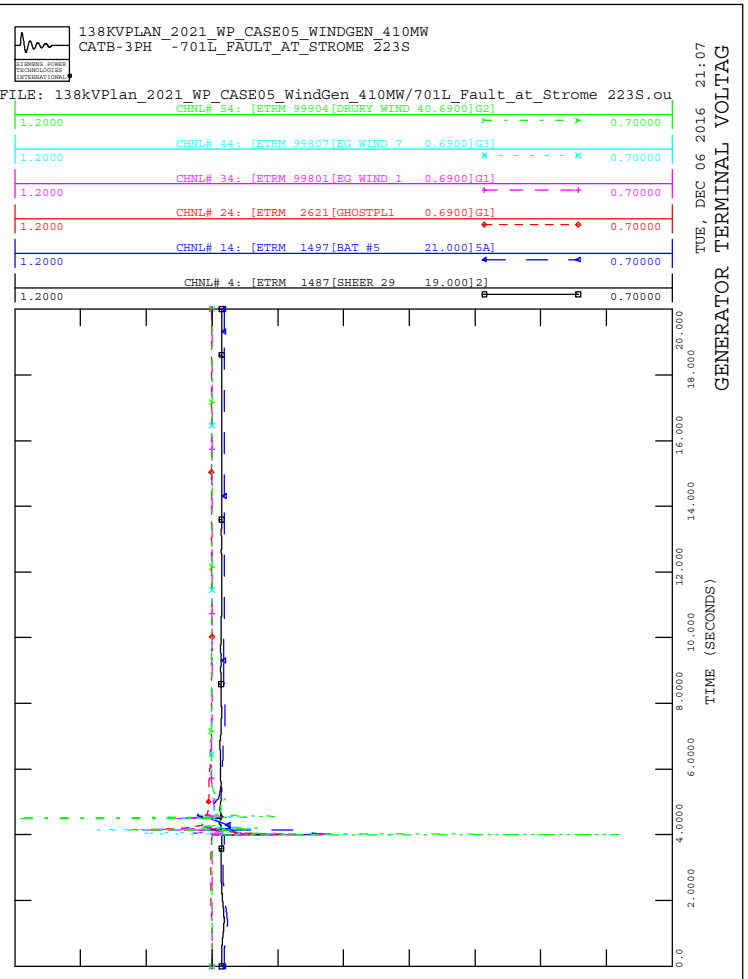
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:07
GENERATOR ACTIVE POWER


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
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2.0000
4.0000
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16.000
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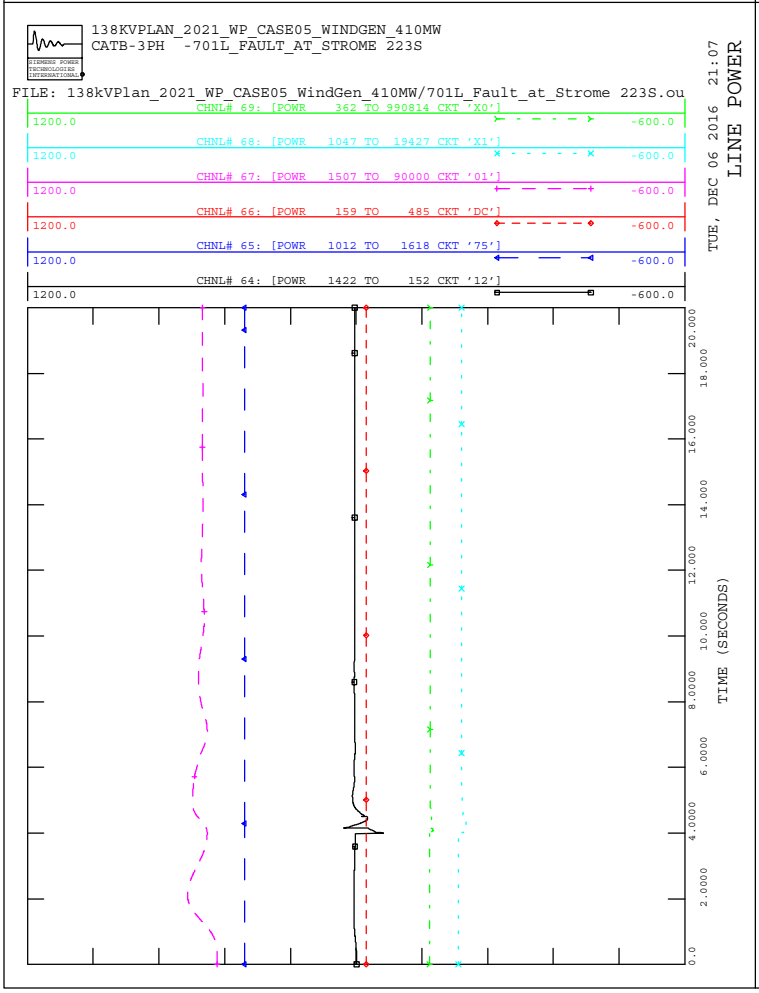
TUE, DEC 06 2016 21:07
GENERATOR TERMINAL VOLTAG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CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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14.000
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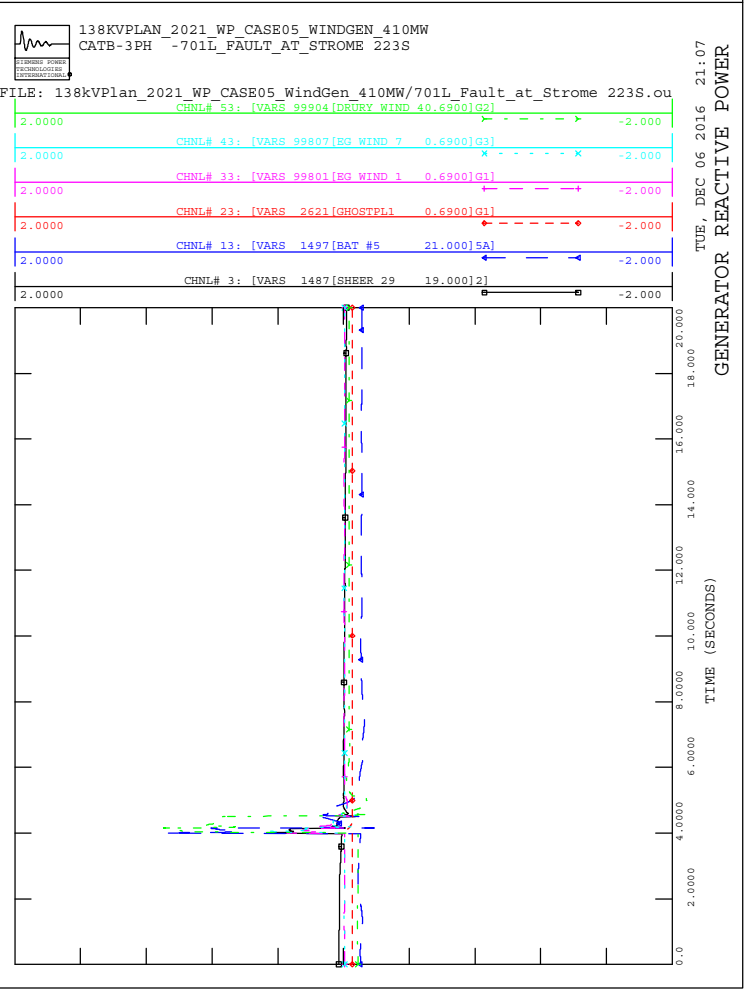
TUE, DEC 06 2016 21:07
LINE POWER


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -701L_FAULT_AT_STROME 223S
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CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
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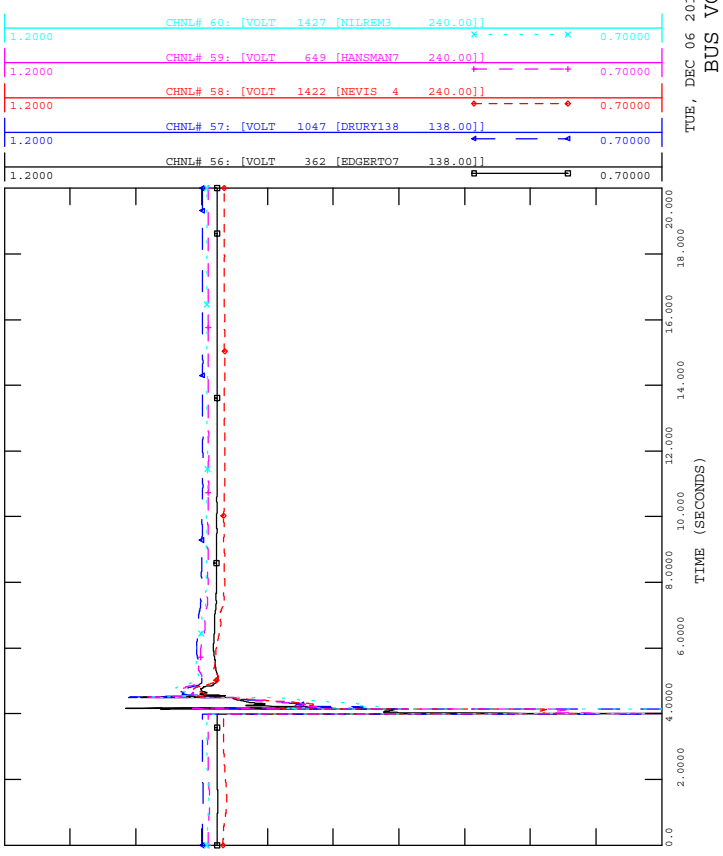
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:07
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7

TUE, DEC 06 2016 21:07

BUS VOLTAGE

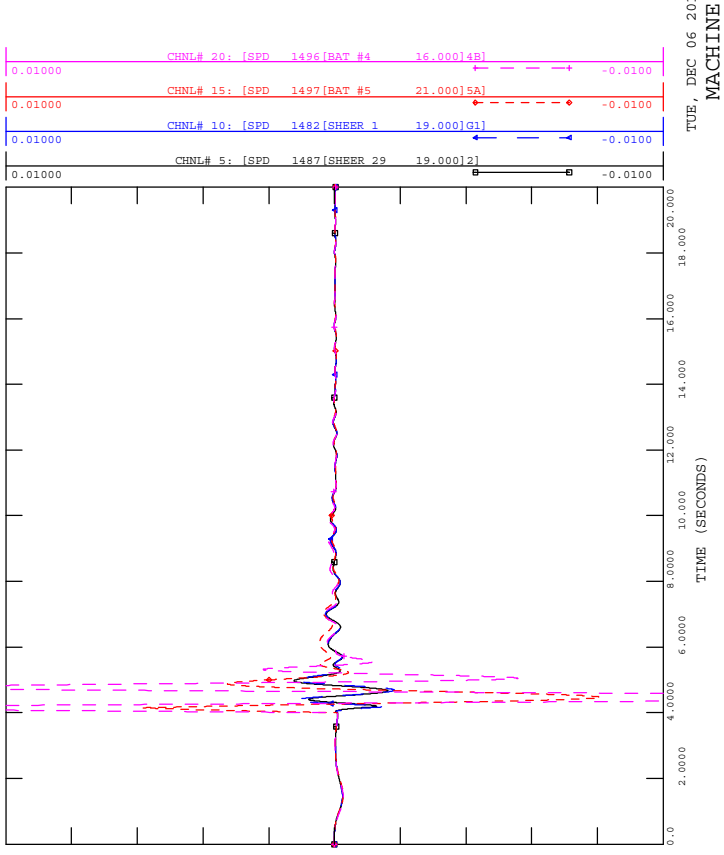


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7

TUE, DEC 06 2016 21:07

MACHINE SPEED



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CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

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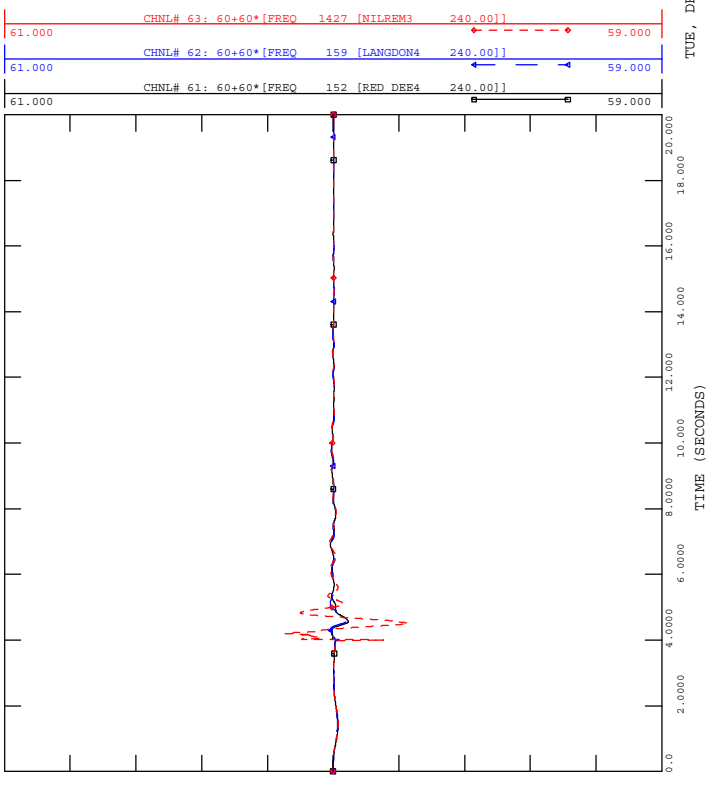
TUE, DEC 06 2016 21:07

FREQUENCY

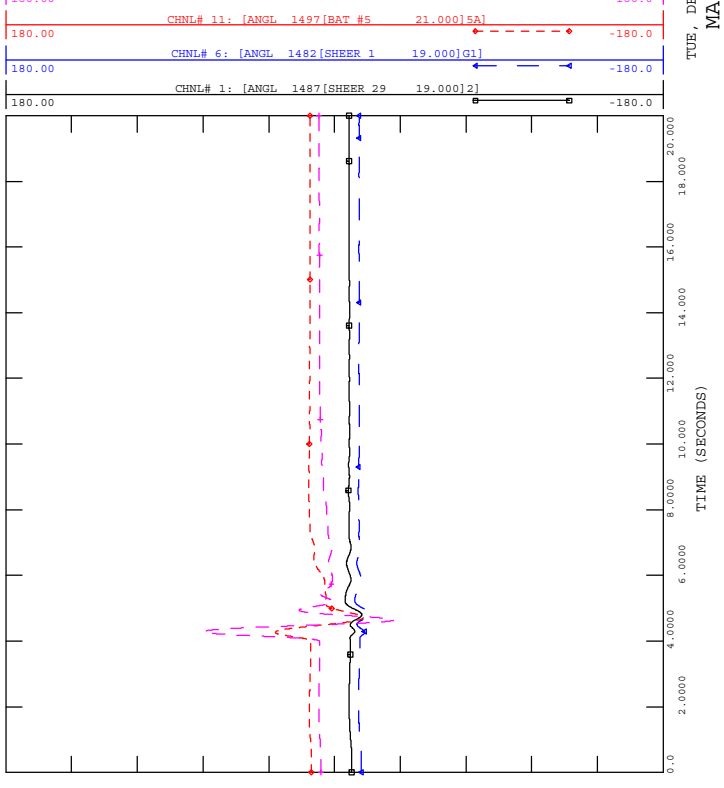


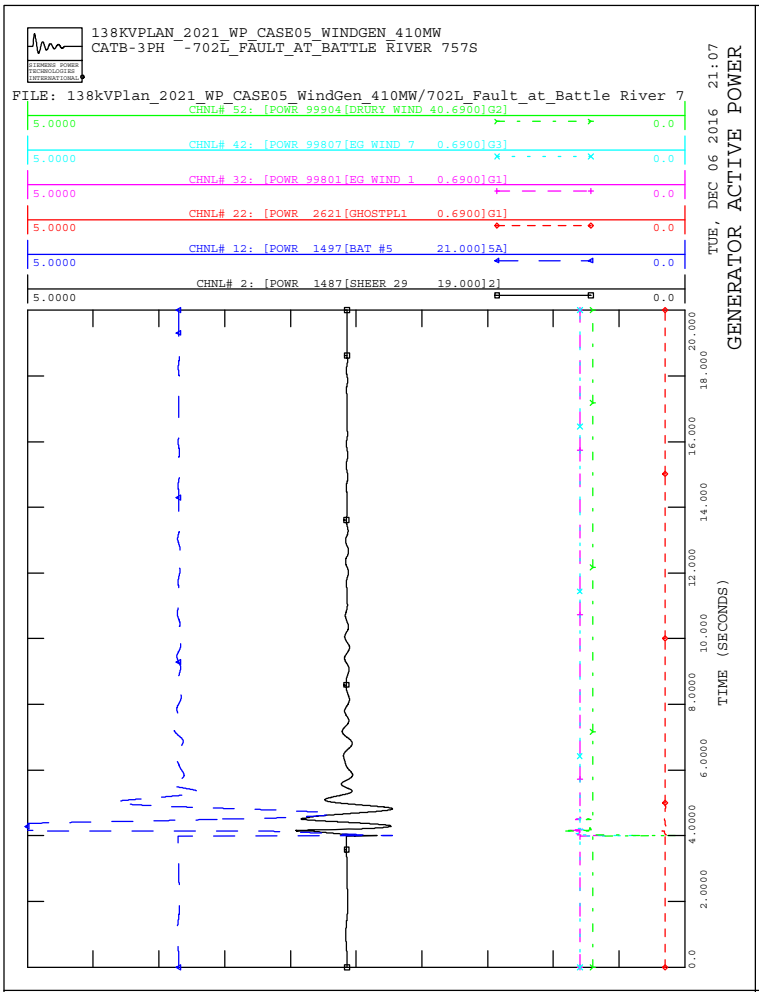
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

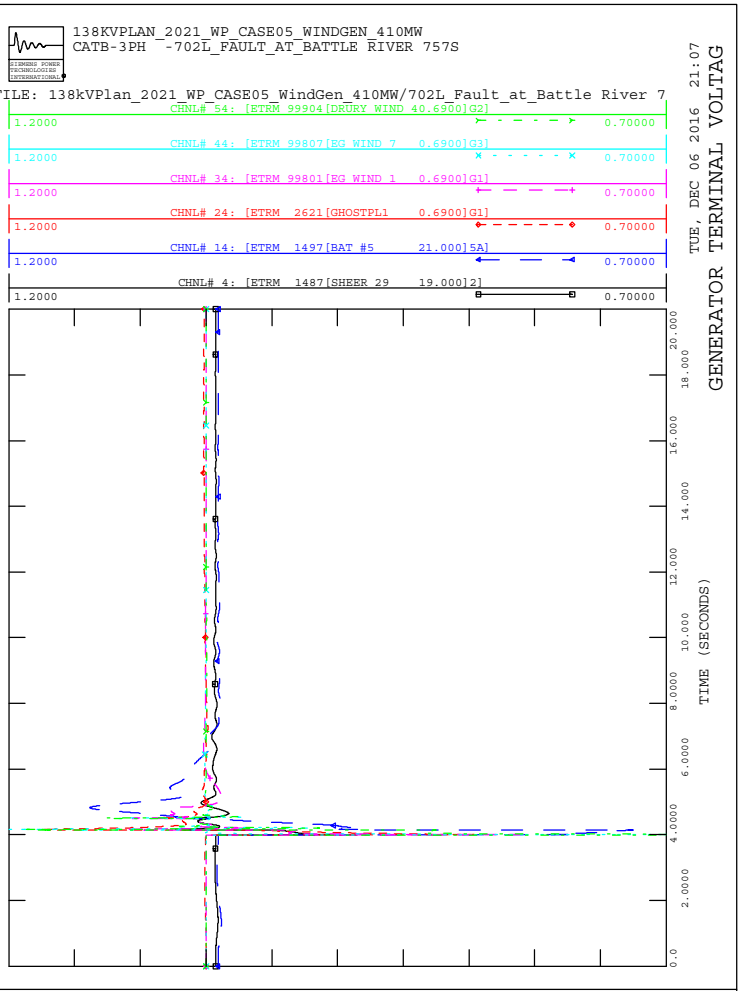
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7

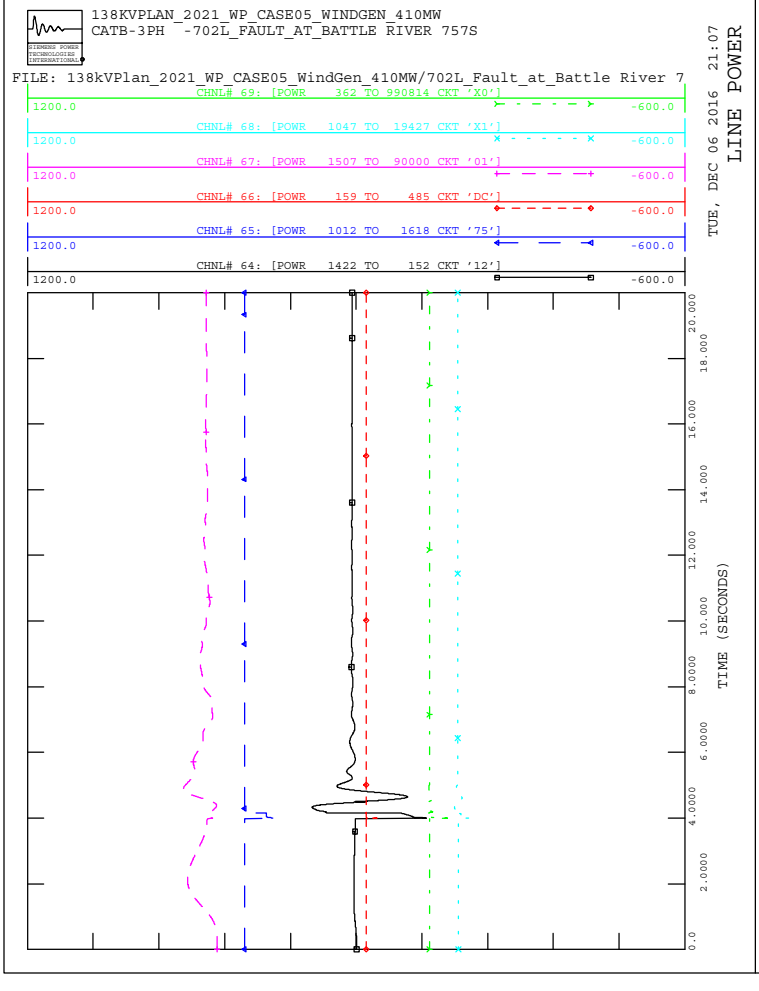
TUE, DEC 06 2016 21:07

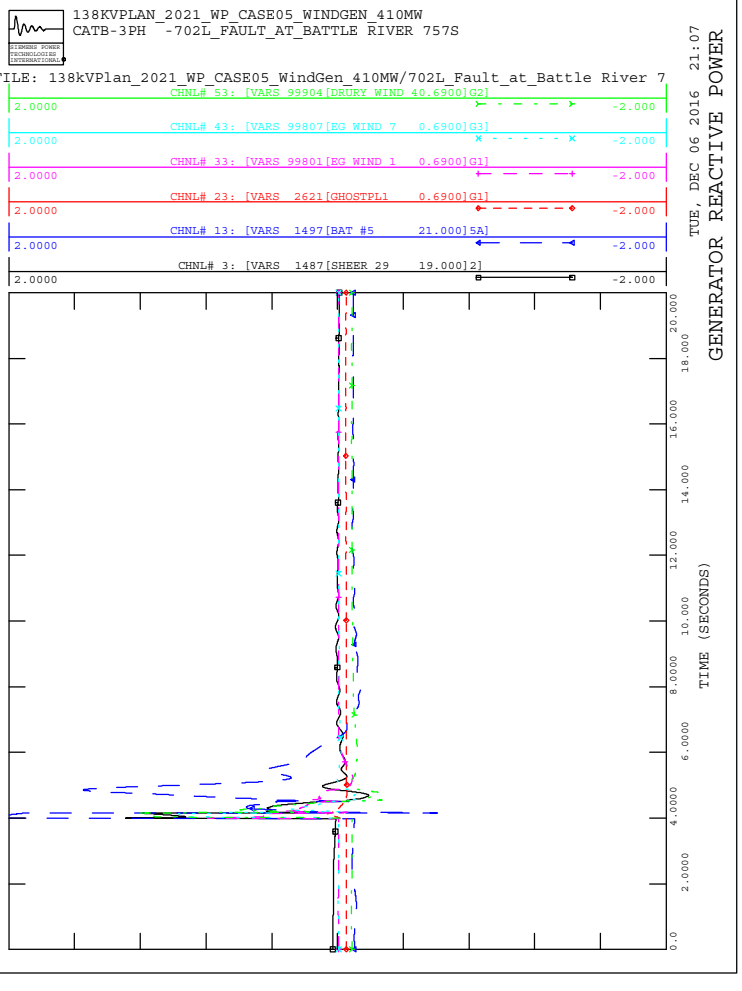
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:07
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:07
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:07
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

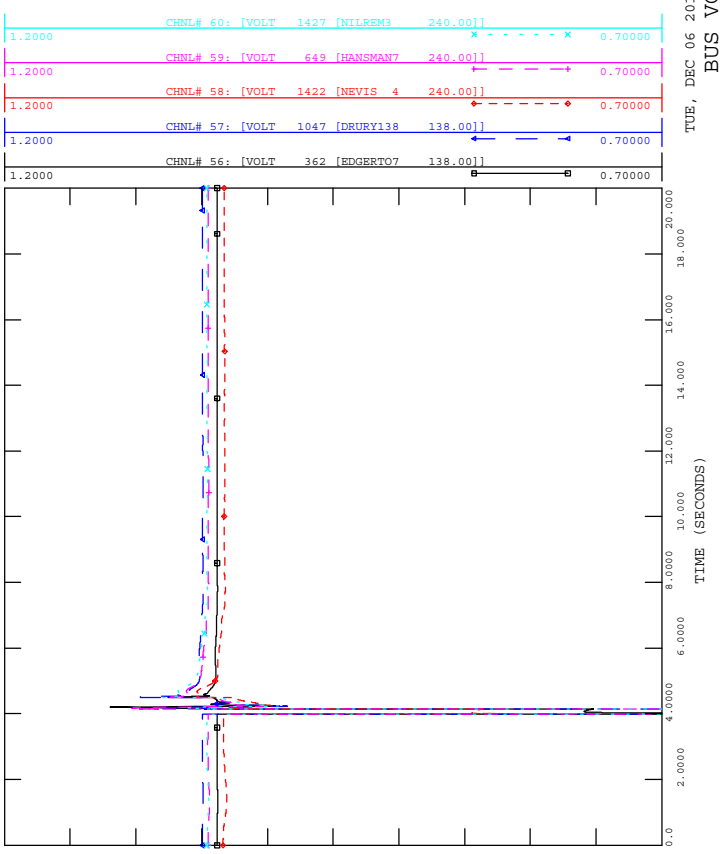

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:07
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:07

BUS VOLTAGE



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

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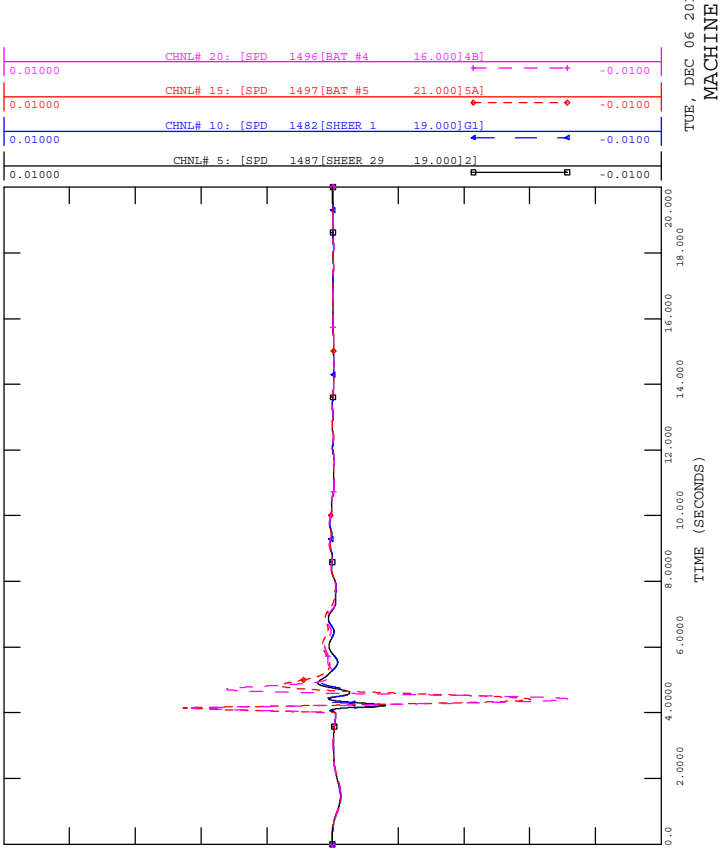
TUE, DEC 06 2016 21:07

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:07

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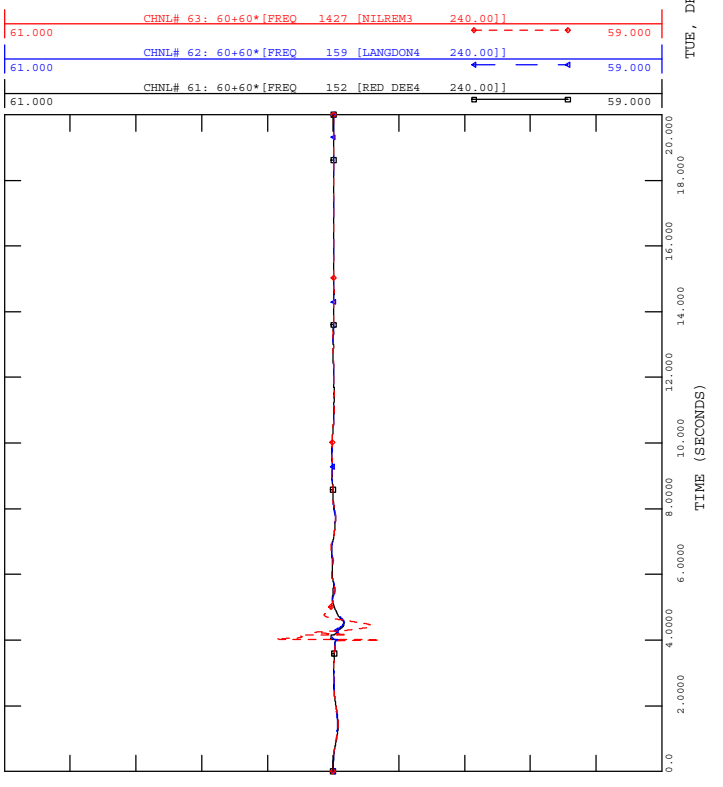
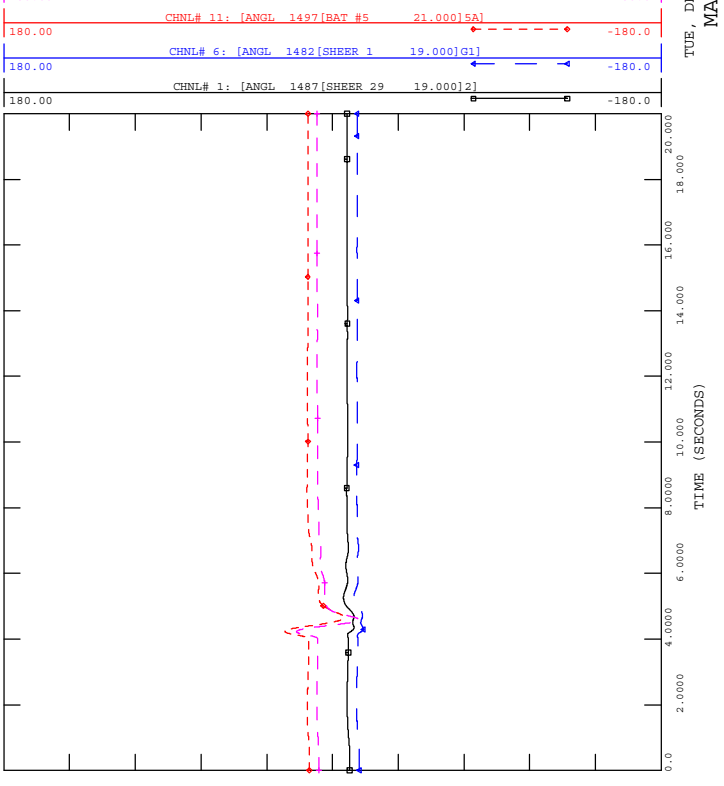


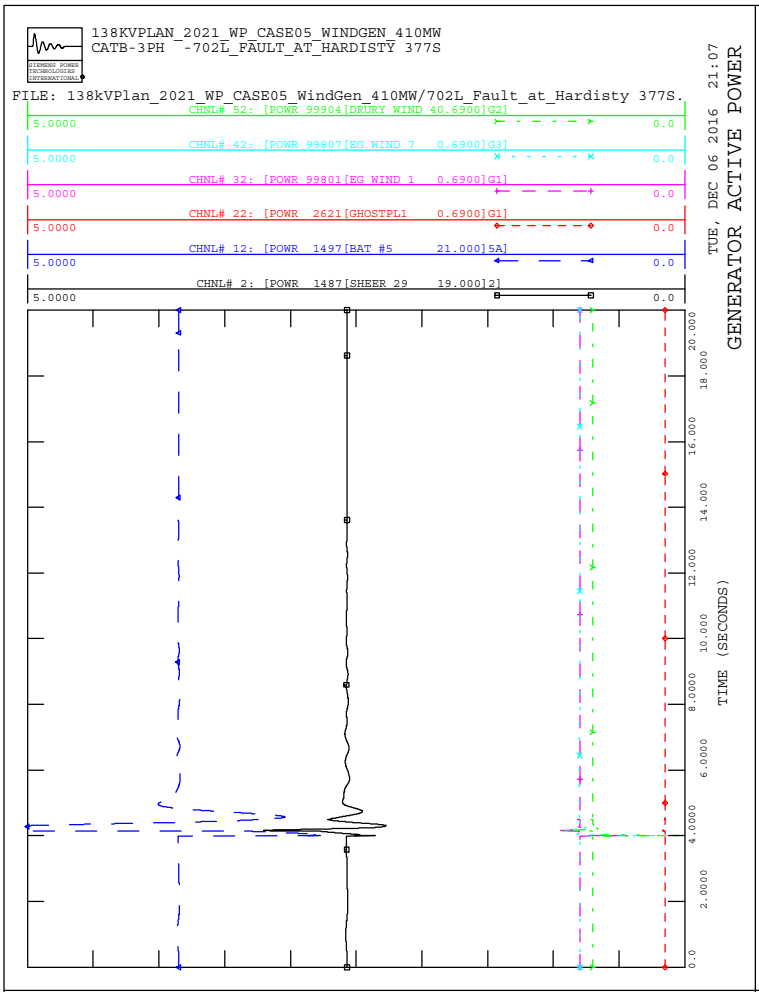
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:07

MACHINE ANGLE

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CATB-3PH -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:07
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
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10.000
12.000
14.000
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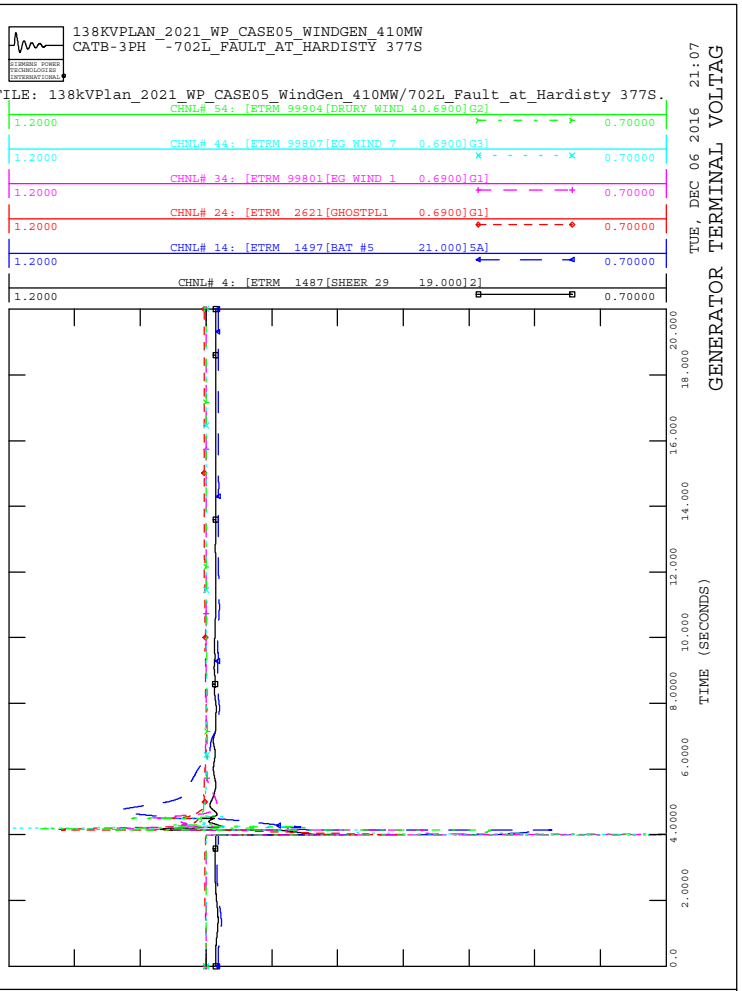
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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0.70000
TUE, DEC 06 2016 21:07
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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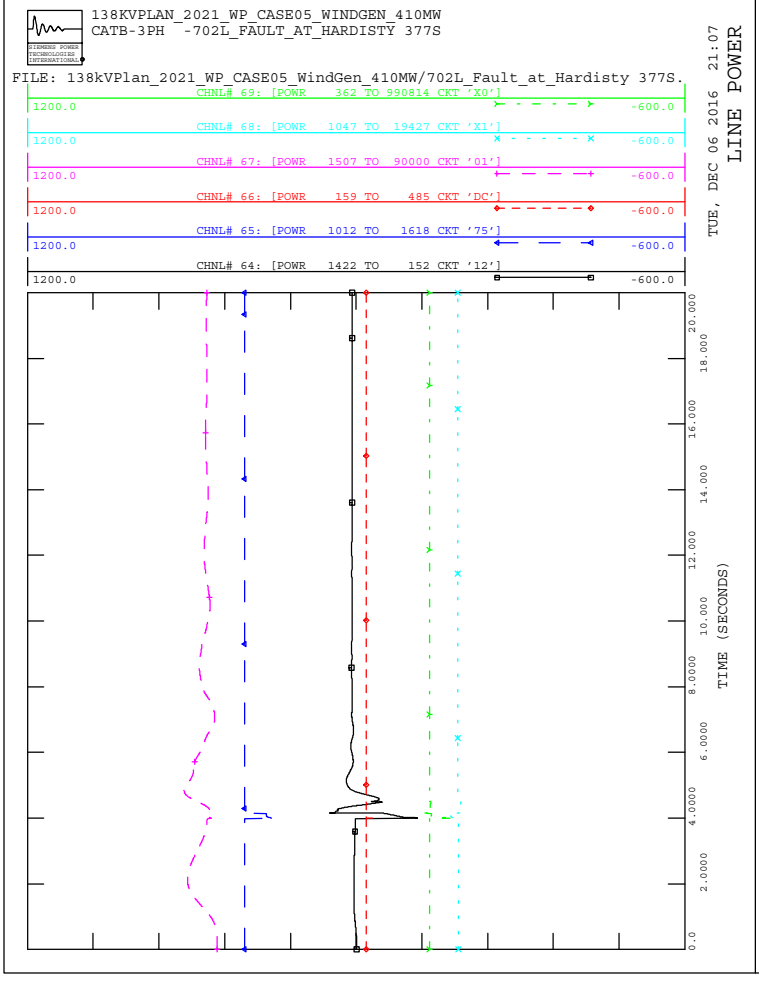
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:07
LINE POWER
TIME (SECONDS)
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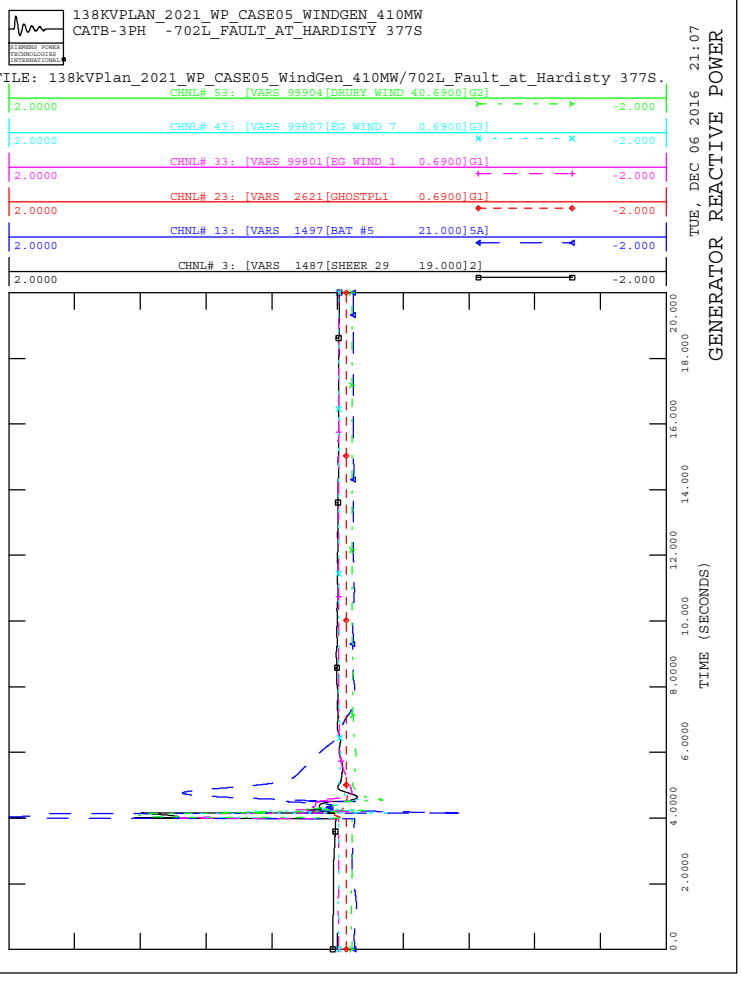
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:07
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
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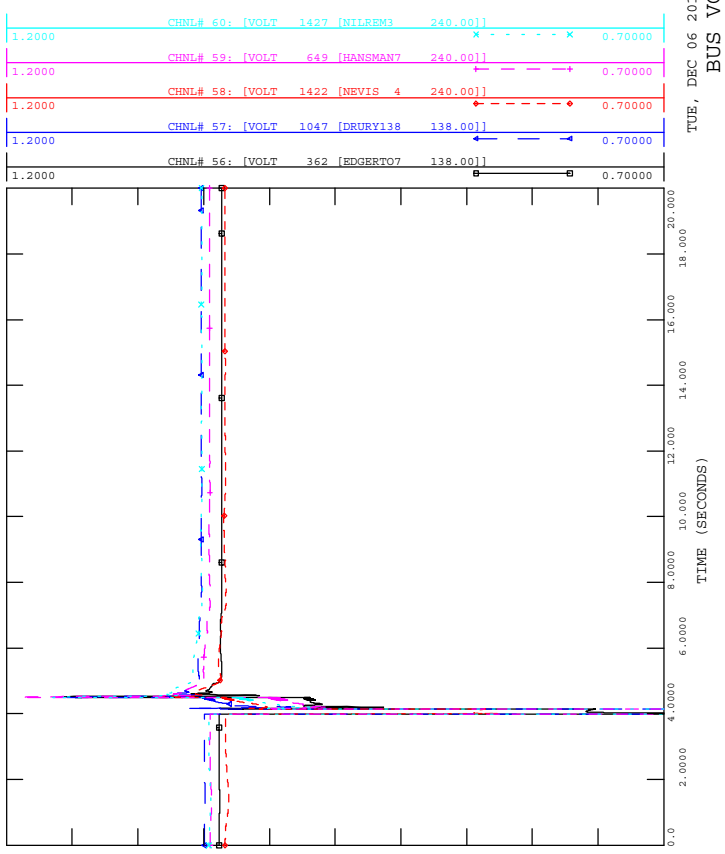
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:07

BUS VOLTAGE

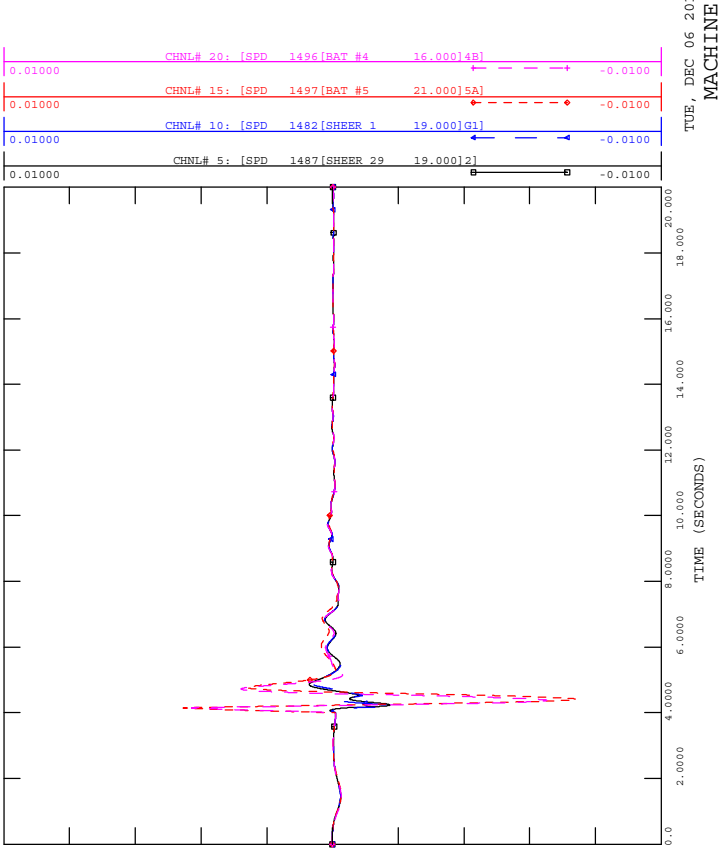


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:07

MACHINE SPEED

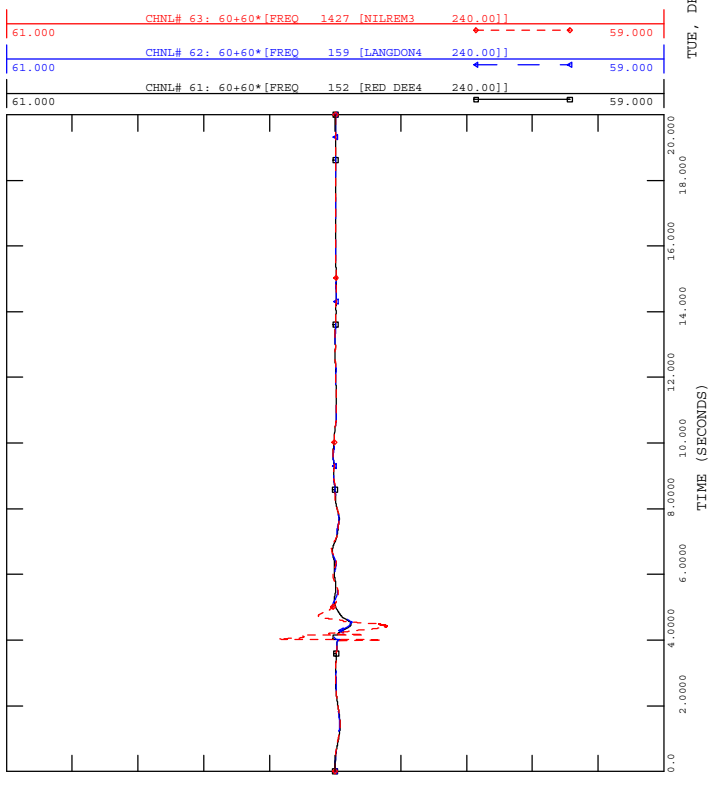


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:07

FREQUENCY

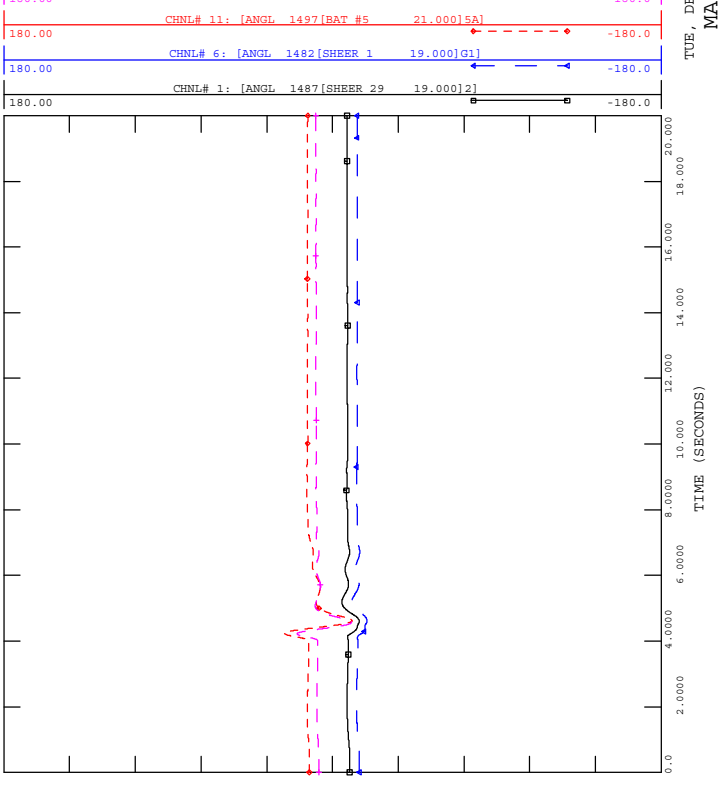


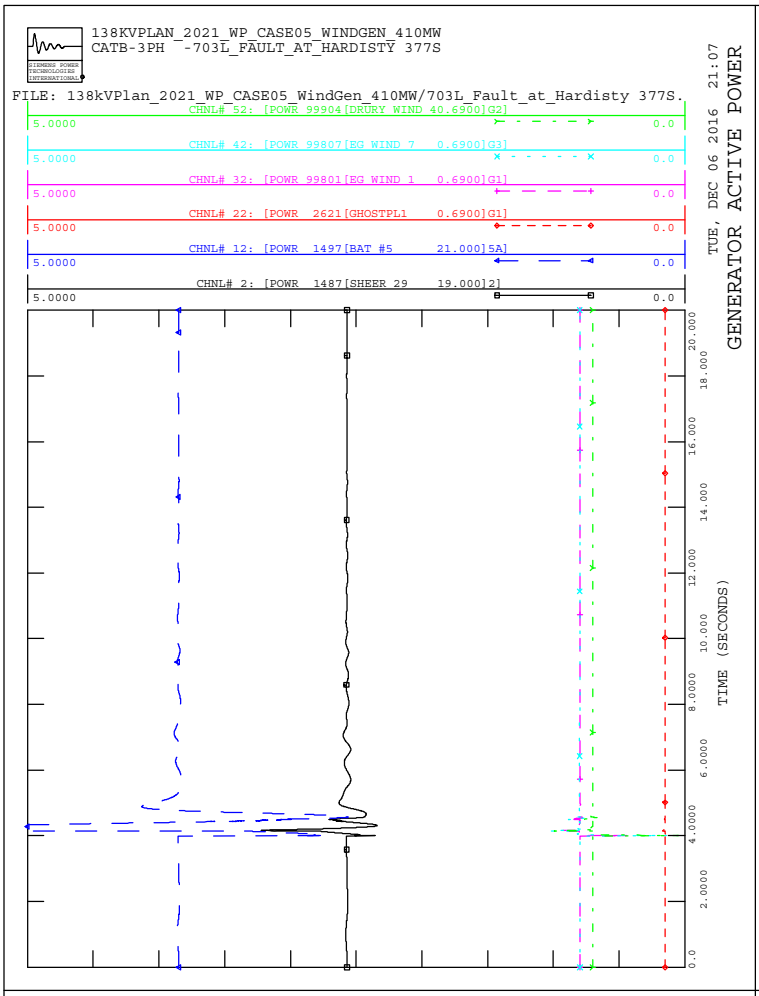
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:07

MACHINE ANGLE

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CATB-3PH -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:07
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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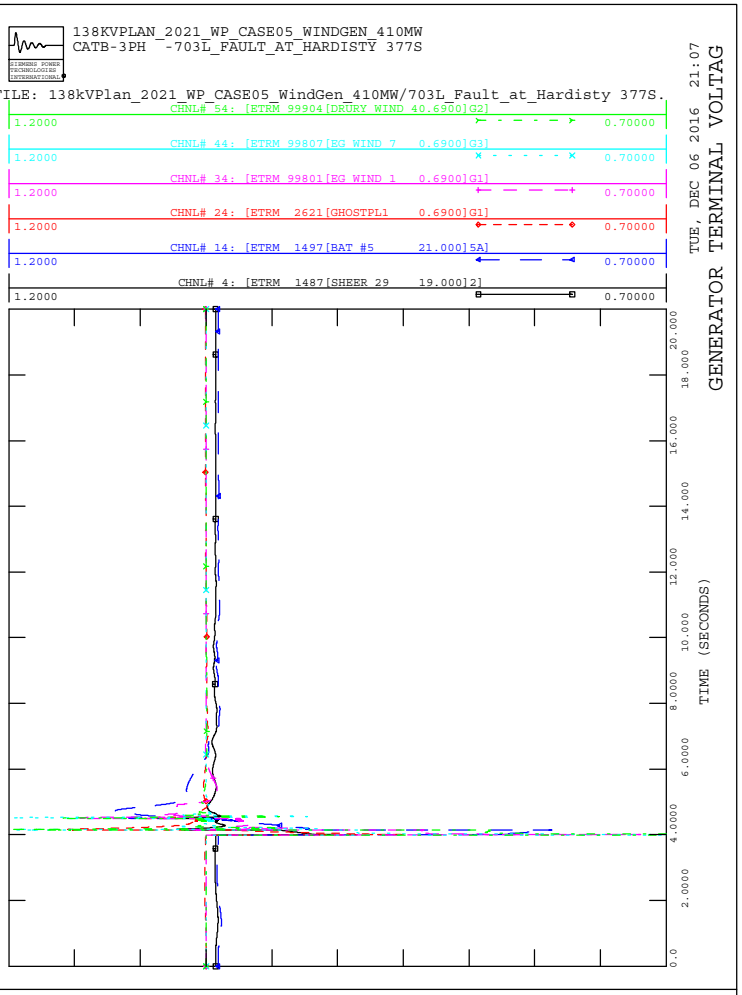
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:07
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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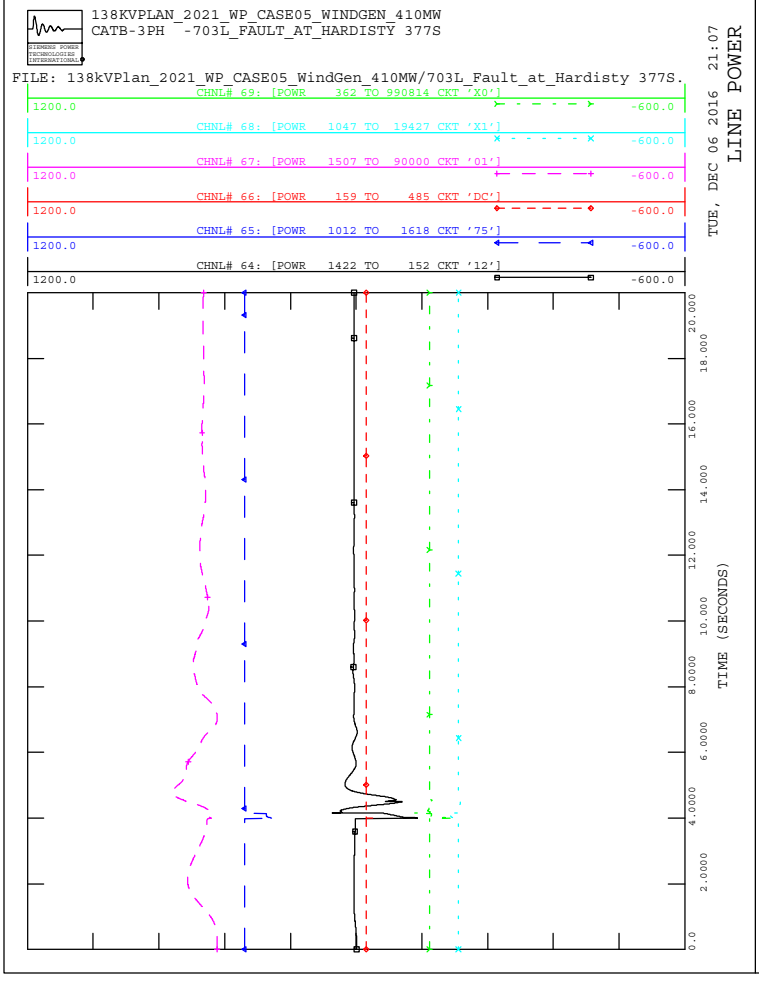
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CATB-3PH -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:07
LINE POWER
TIME (SECONDS)
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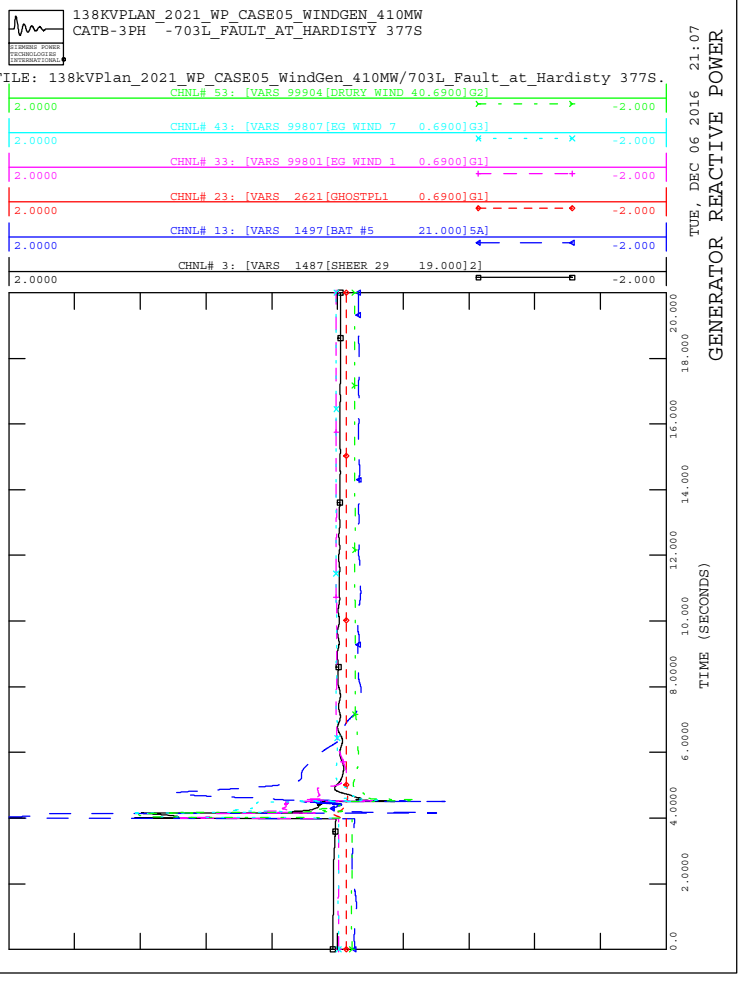
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:07
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
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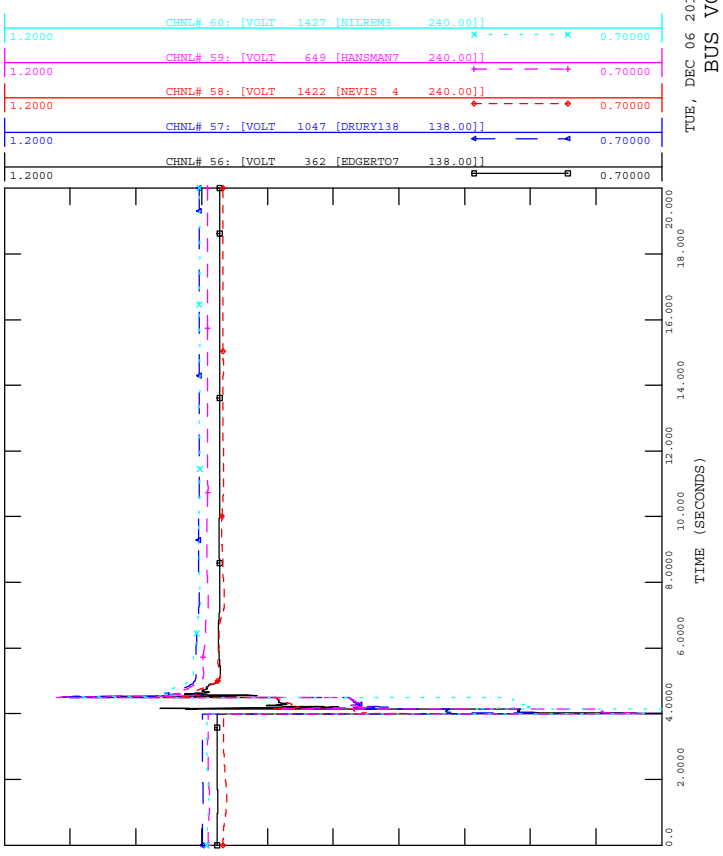
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:07

BUS VOLTAGE



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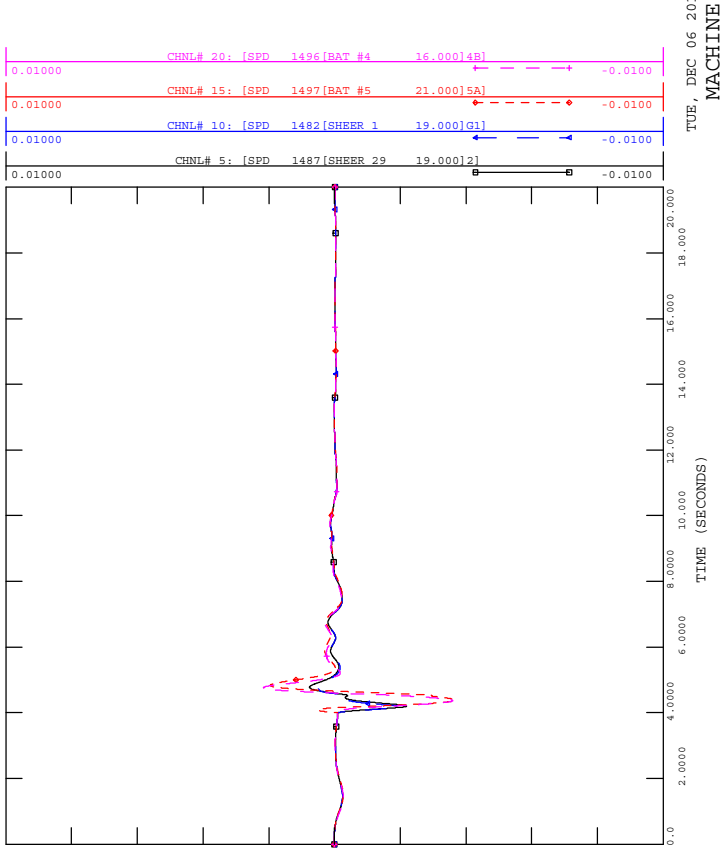
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:07

MACHINE SPEED

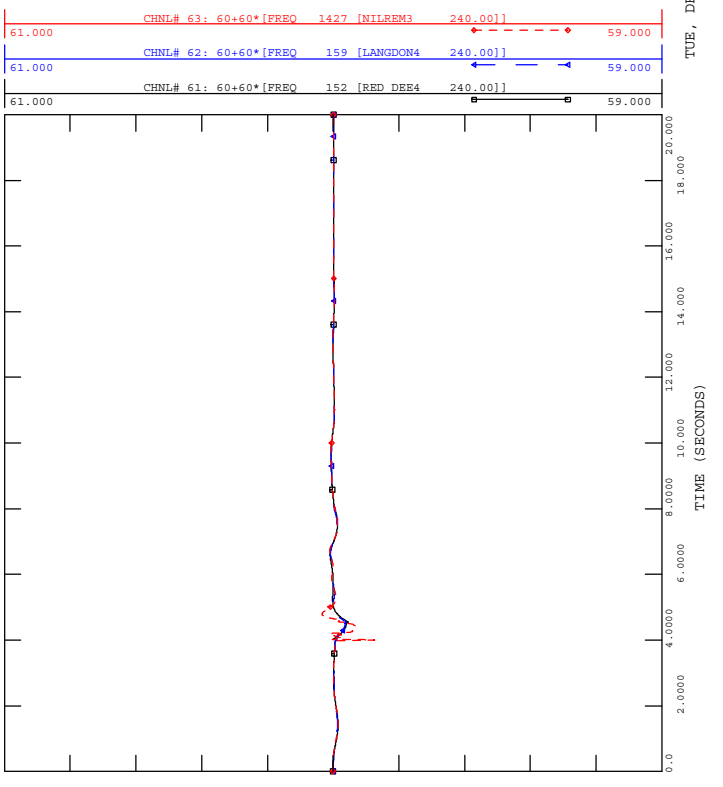


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:07

FREQUENCY



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

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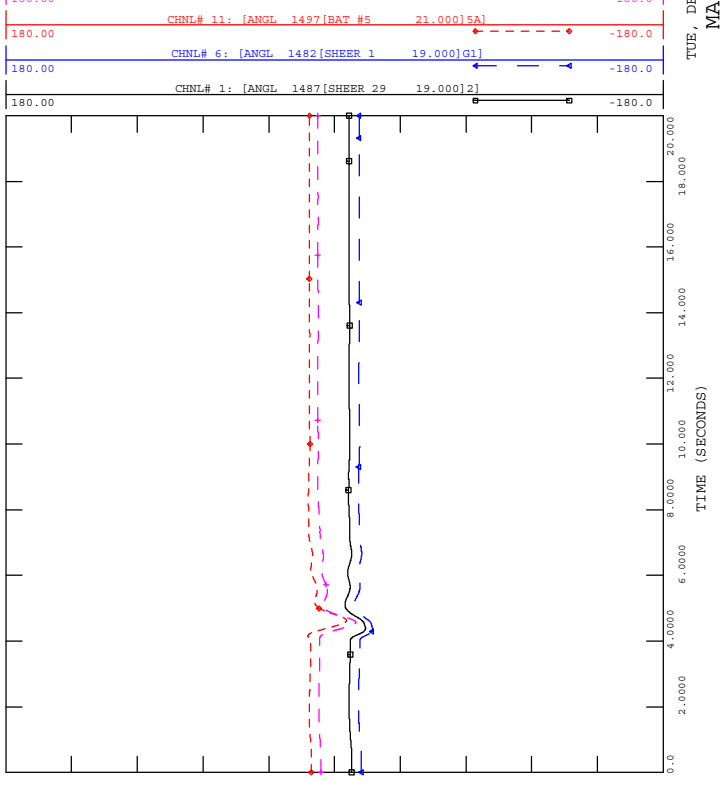
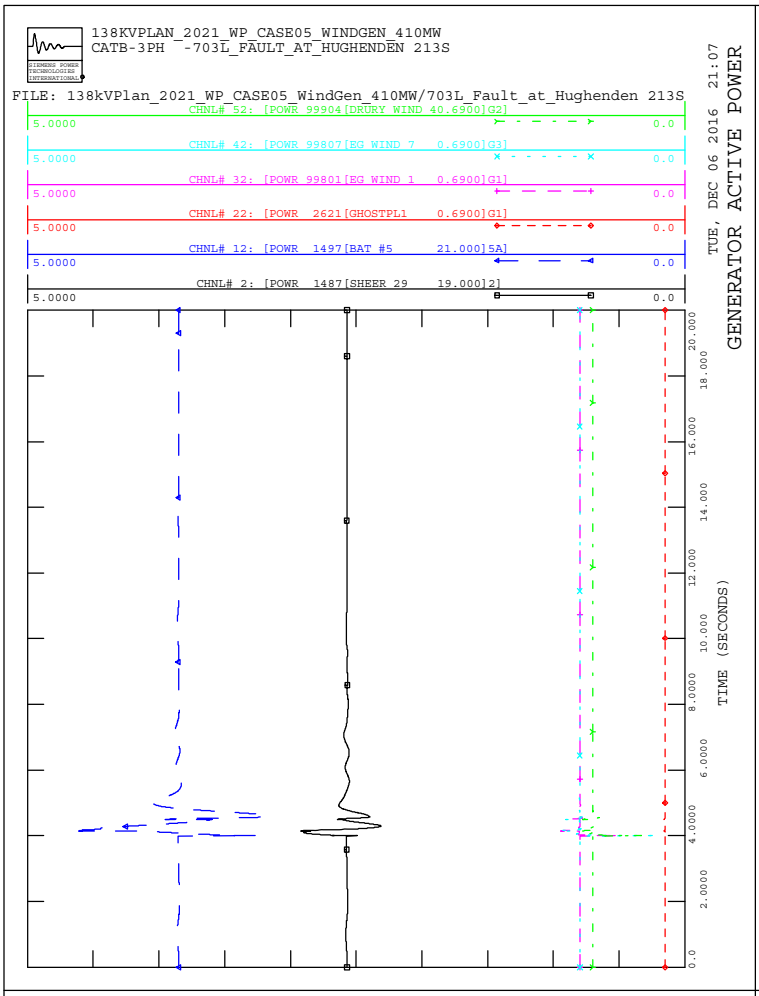
TUE, DEC 06 2016 21:07

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:07
GENERATOR ACTIVE POWER
TIME (SECONDS)
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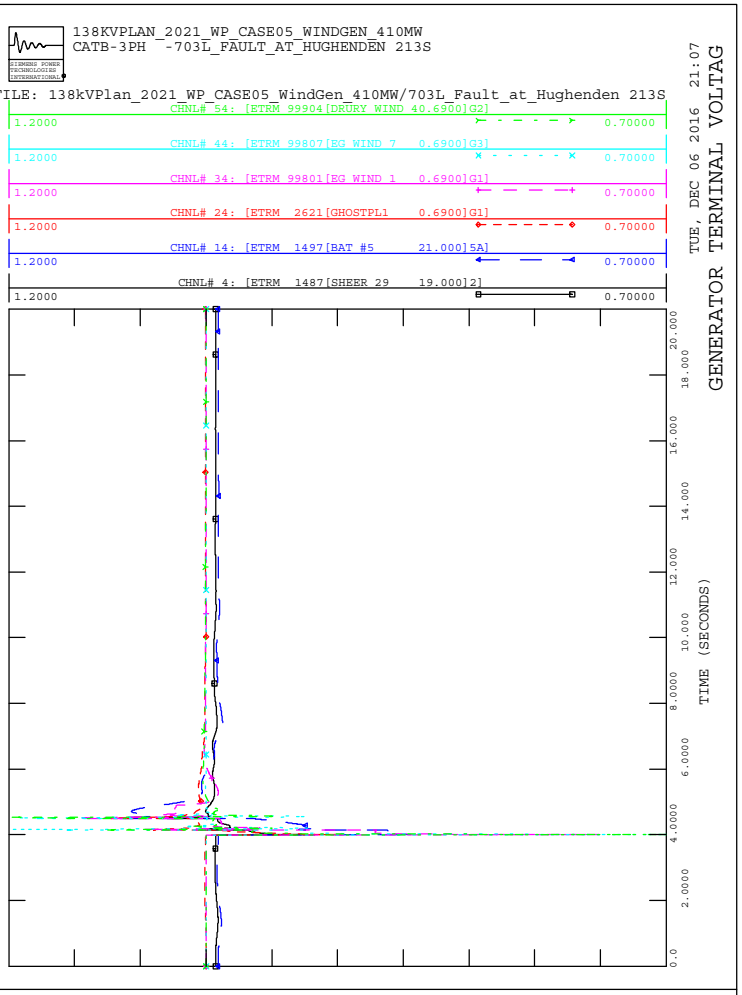
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:07
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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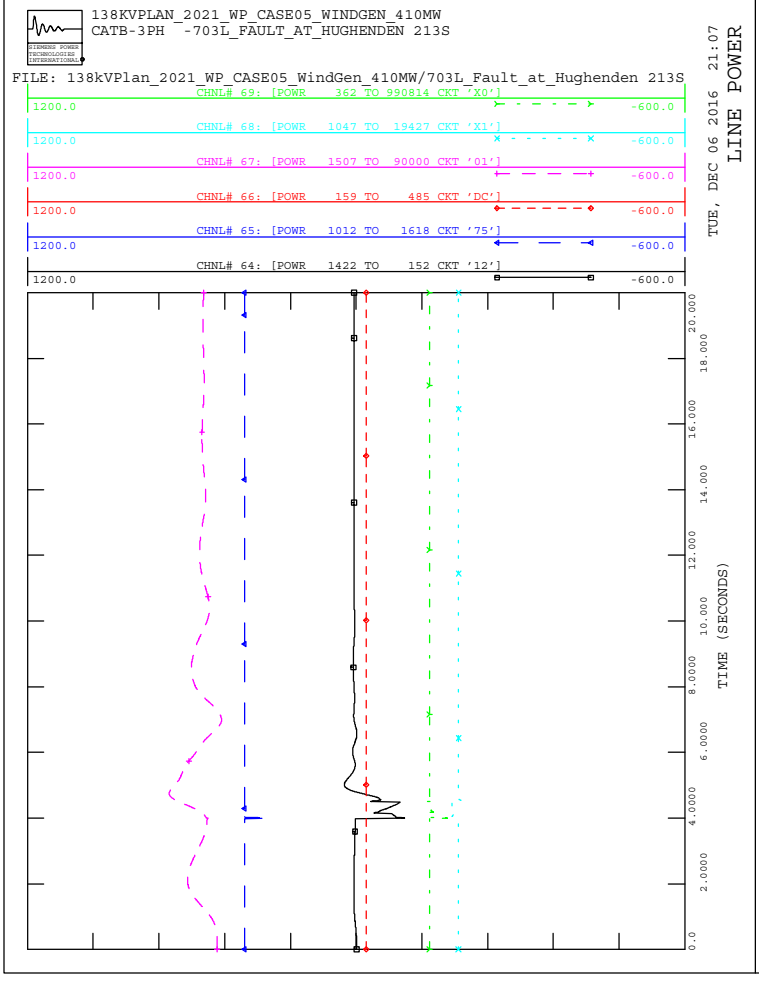
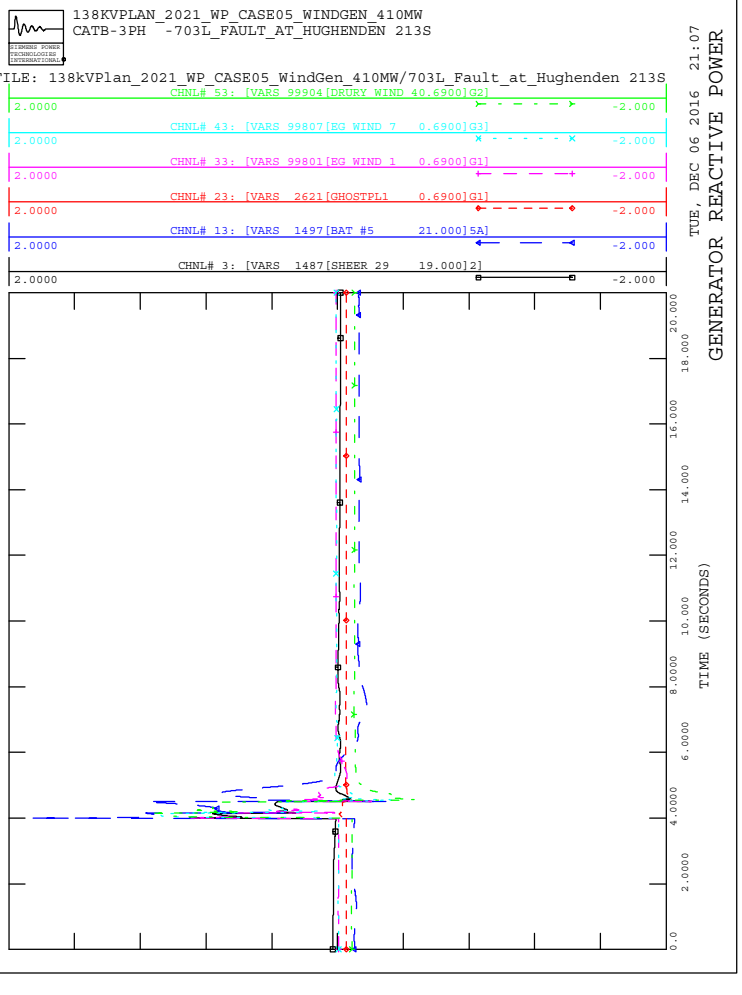

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:07
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

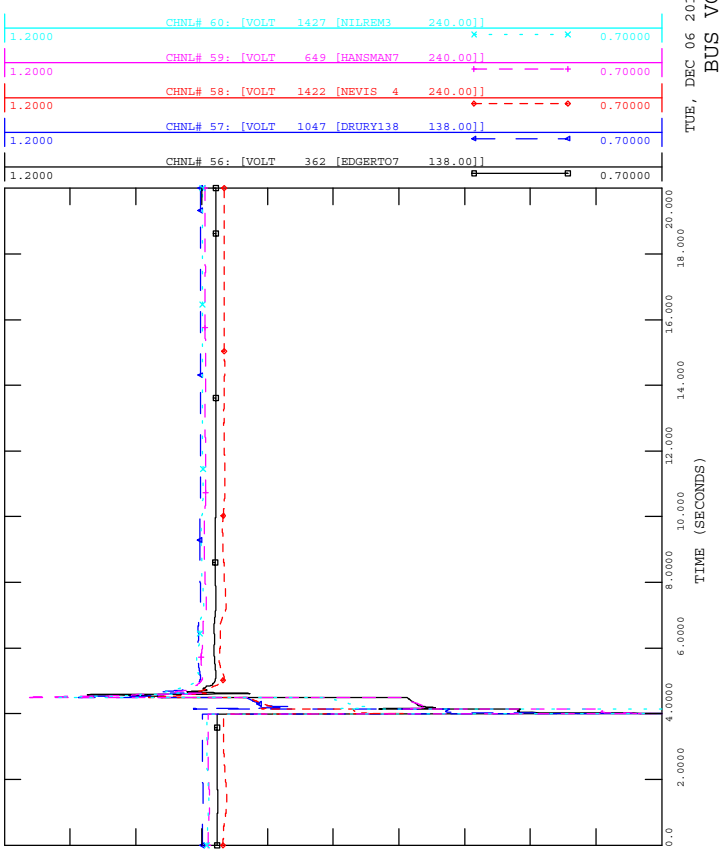

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:07
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:07

BUS VOLTAGE

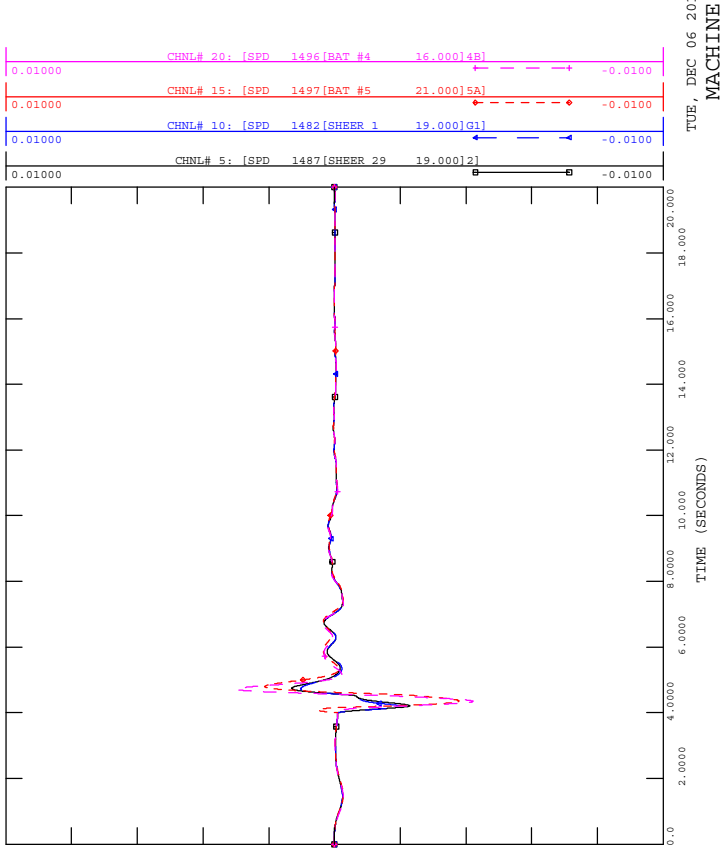


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:07

MACHINE SPEED

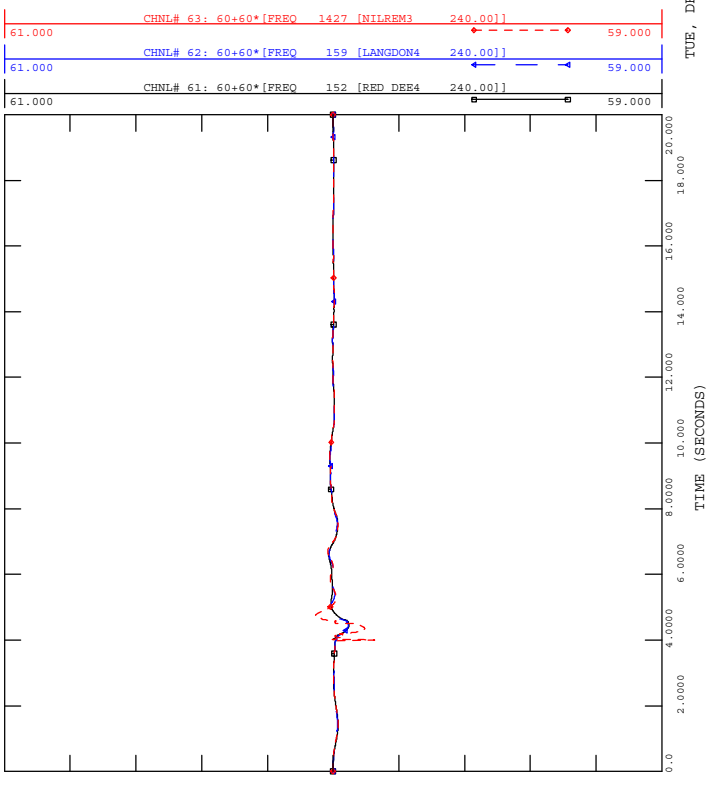


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:07

FREQUENCY

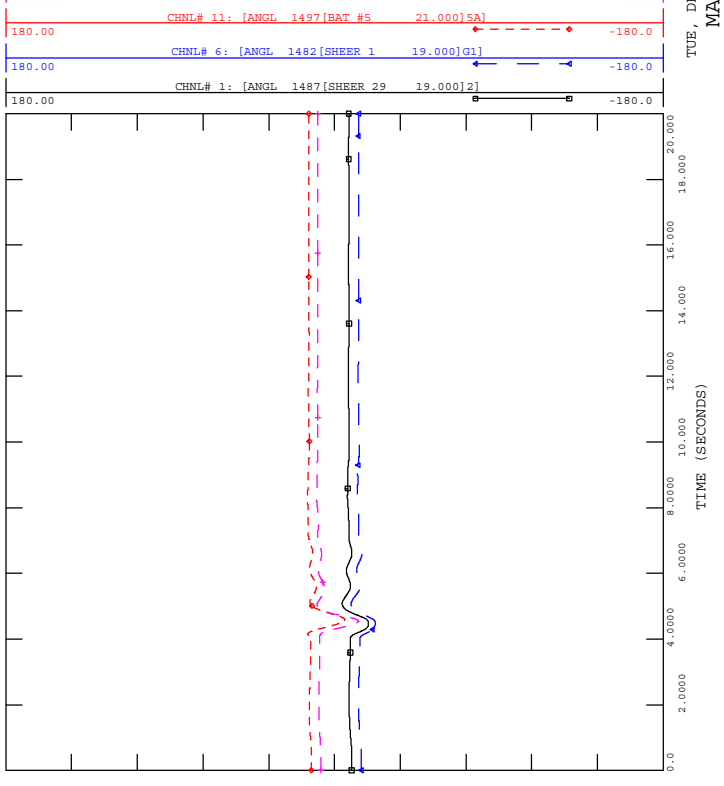


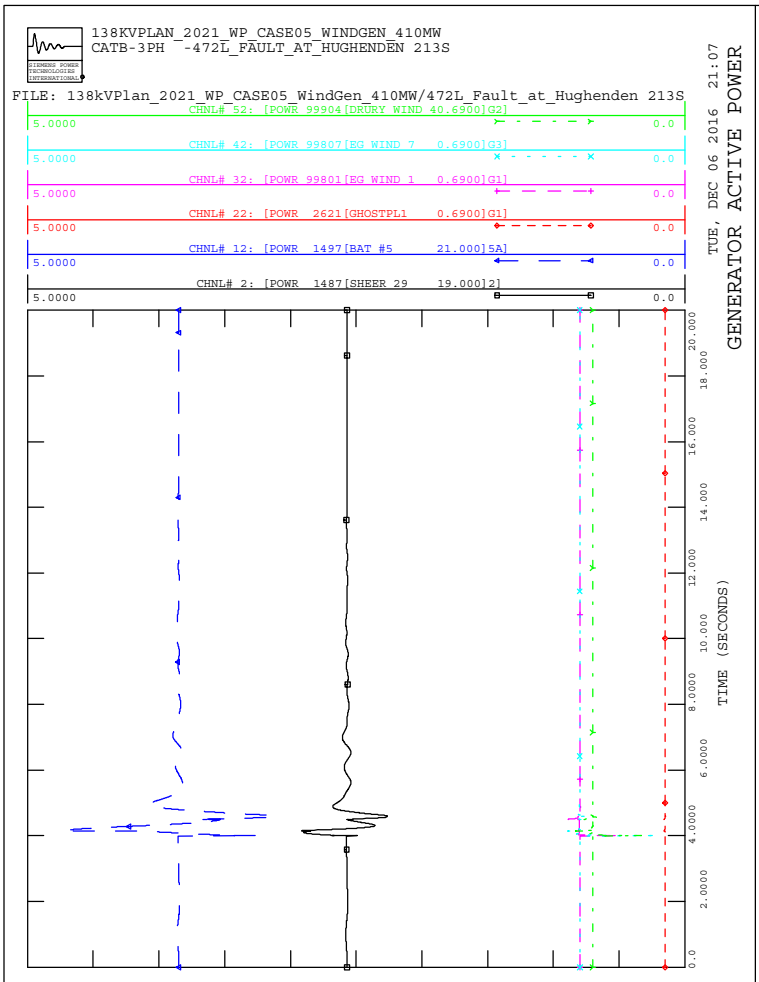
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

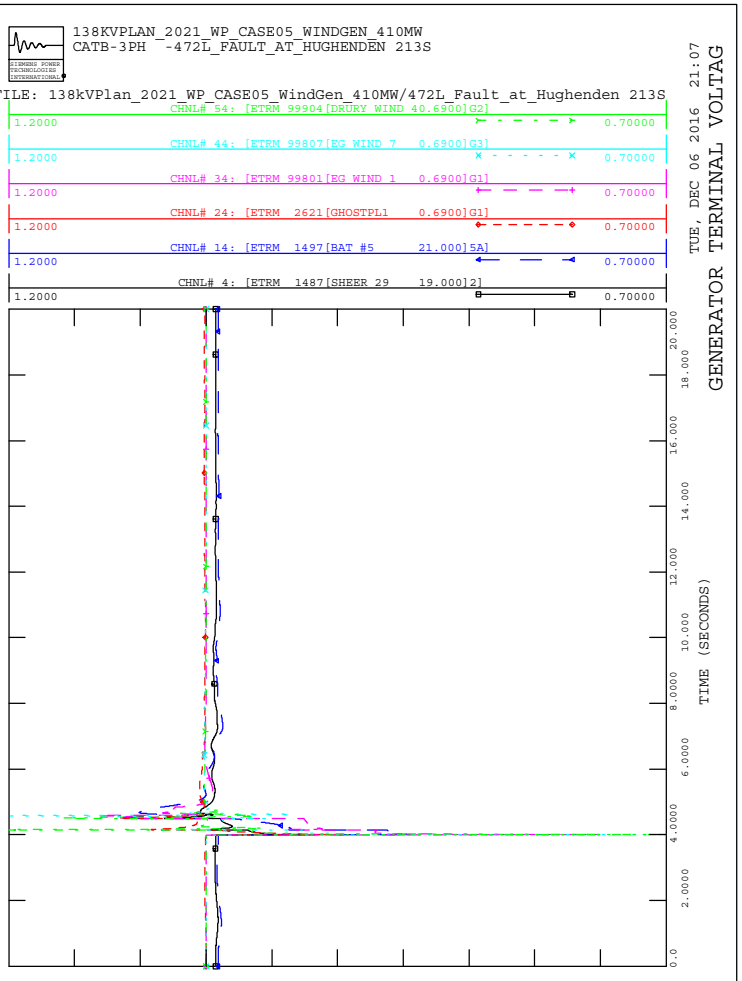
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:07

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:07
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:07
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
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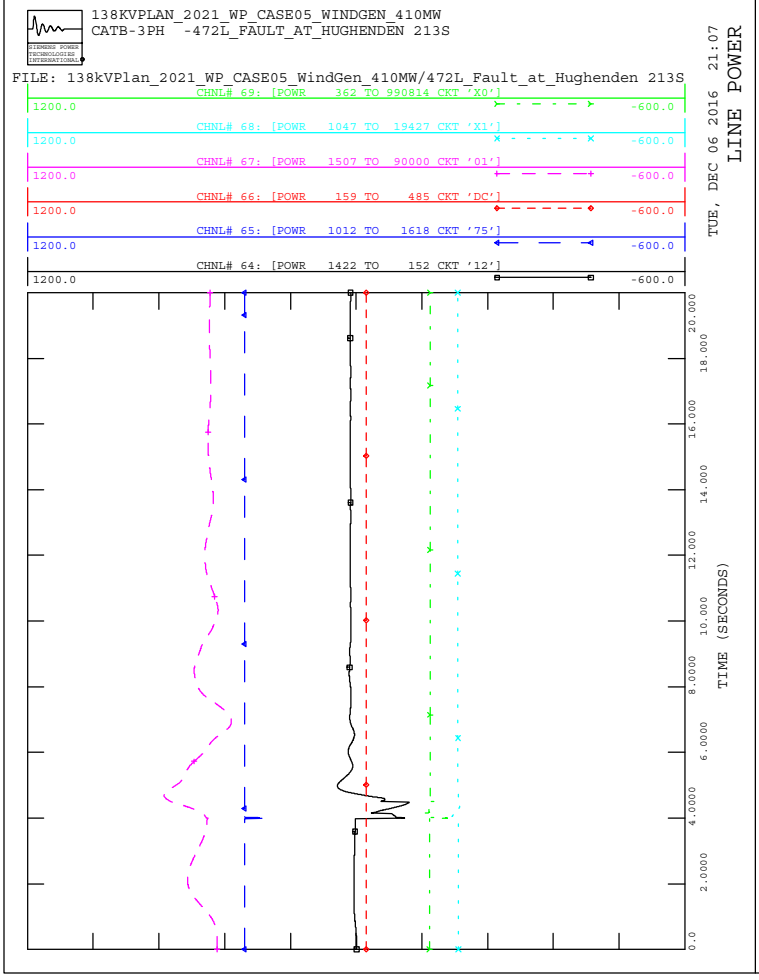
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:07
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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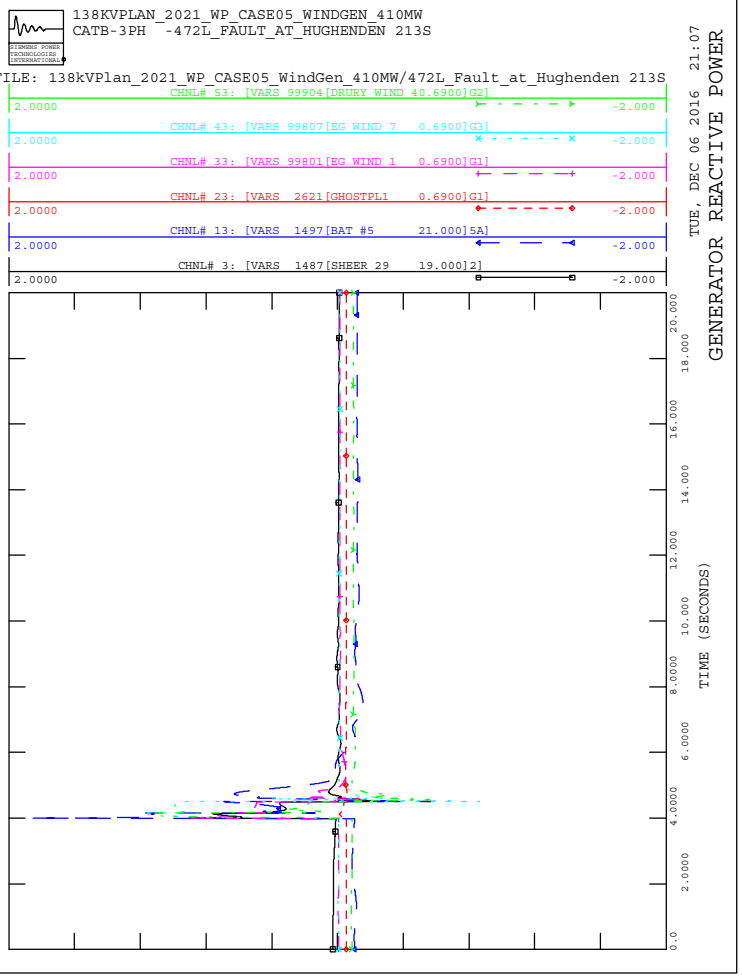
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:07
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:07

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:07

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:07

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

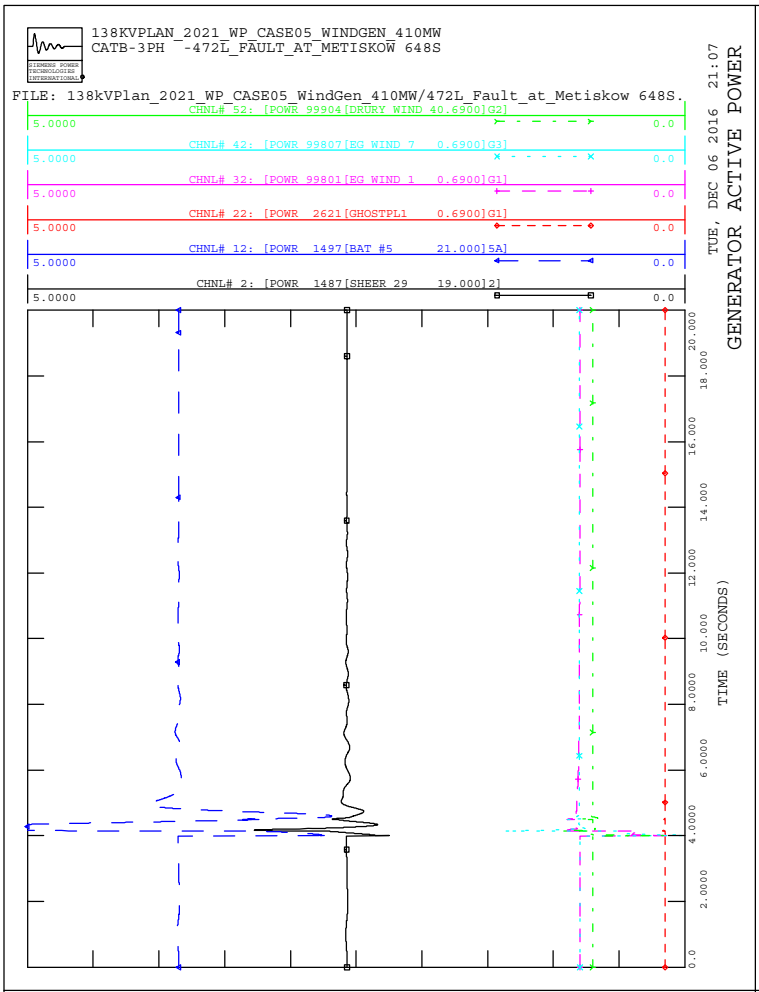
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.

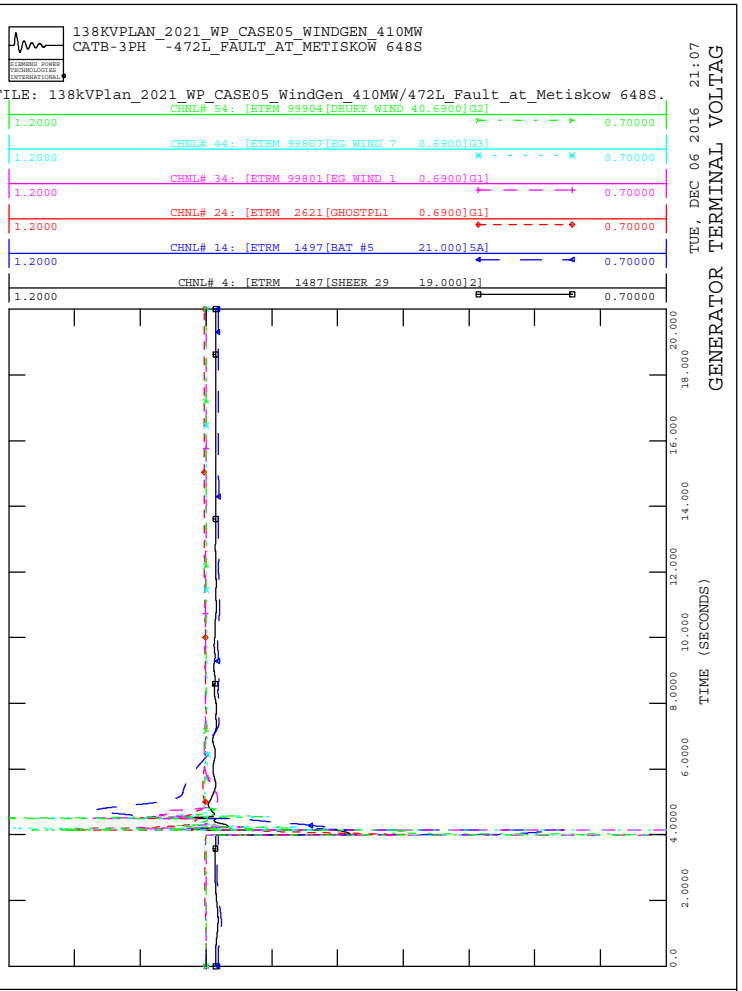
TUE, DEC 06 2016 21:07

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:07
GENERATOR ACTIVE POWER


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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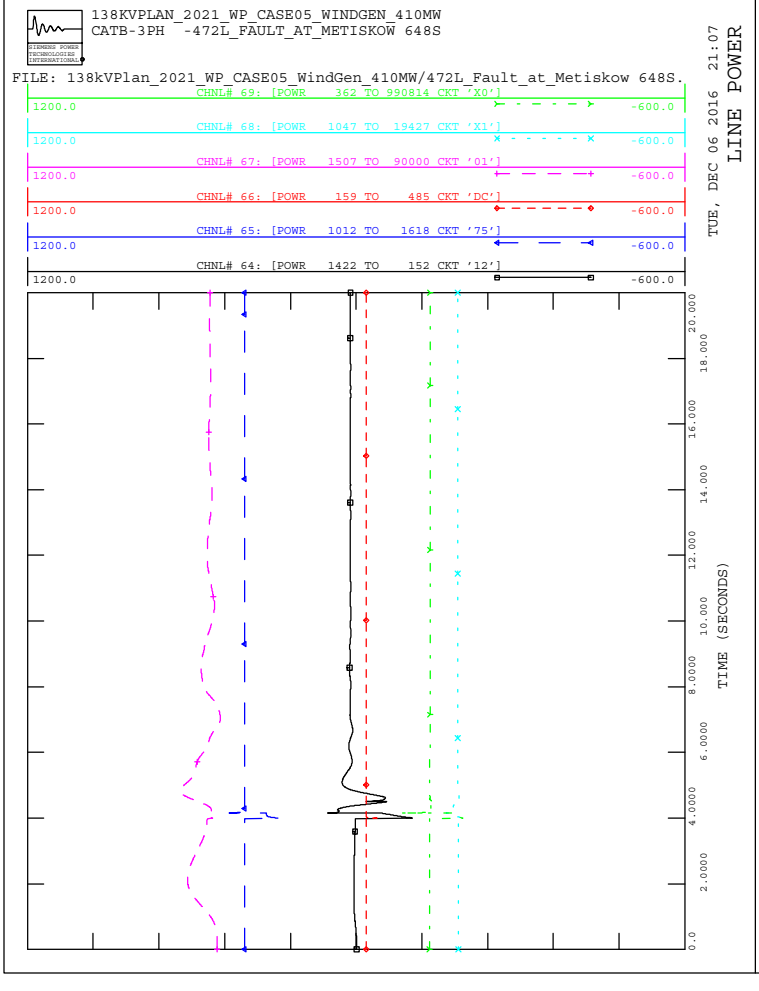
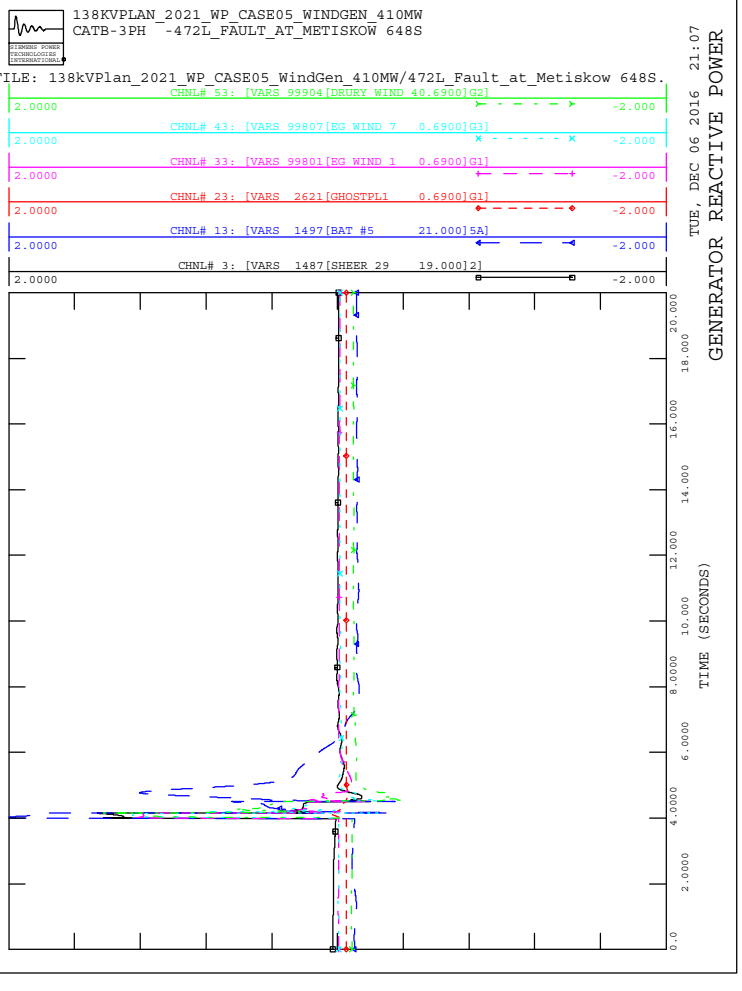
16.000
18.000
20.000
TUE, DEC 06 2016 21:07
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:07
LINE POWER

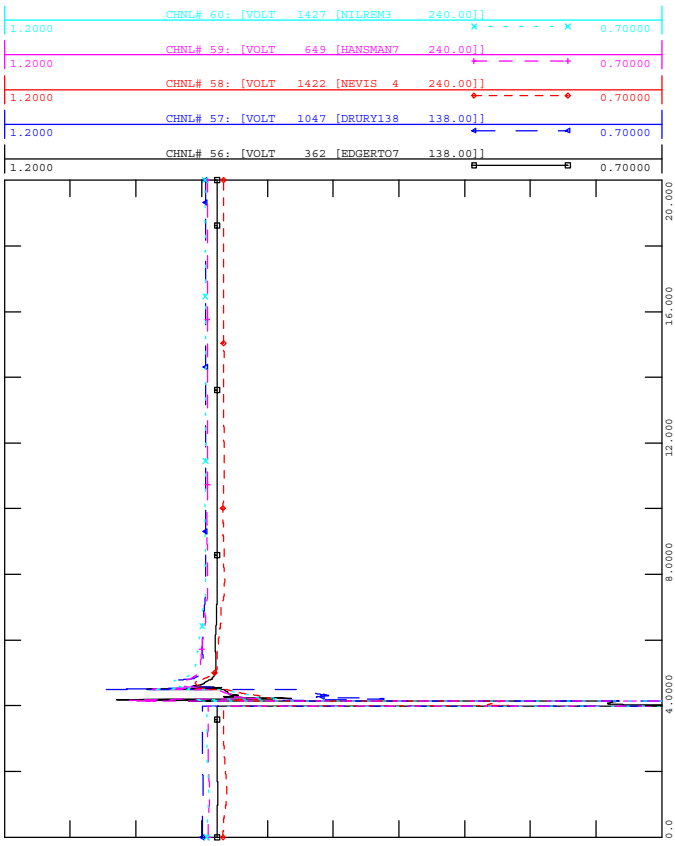

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:07
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:07

BUS VOLTAGE

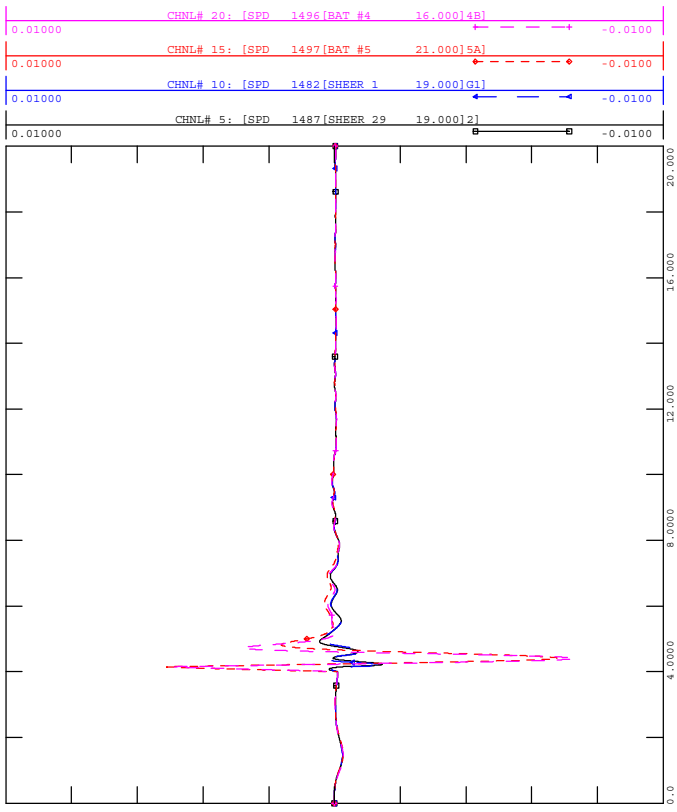


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:07

MACHINE SPEED

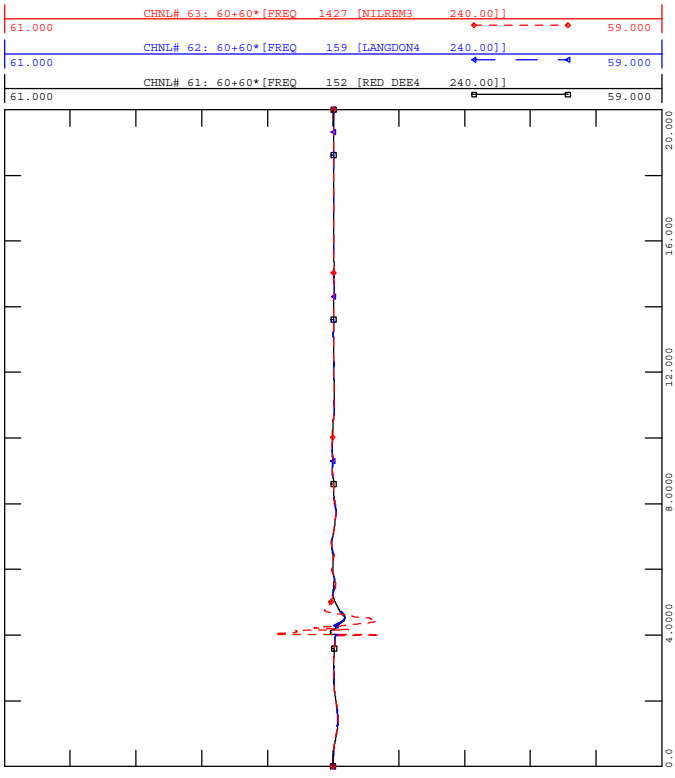


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:07

FREQUENCY

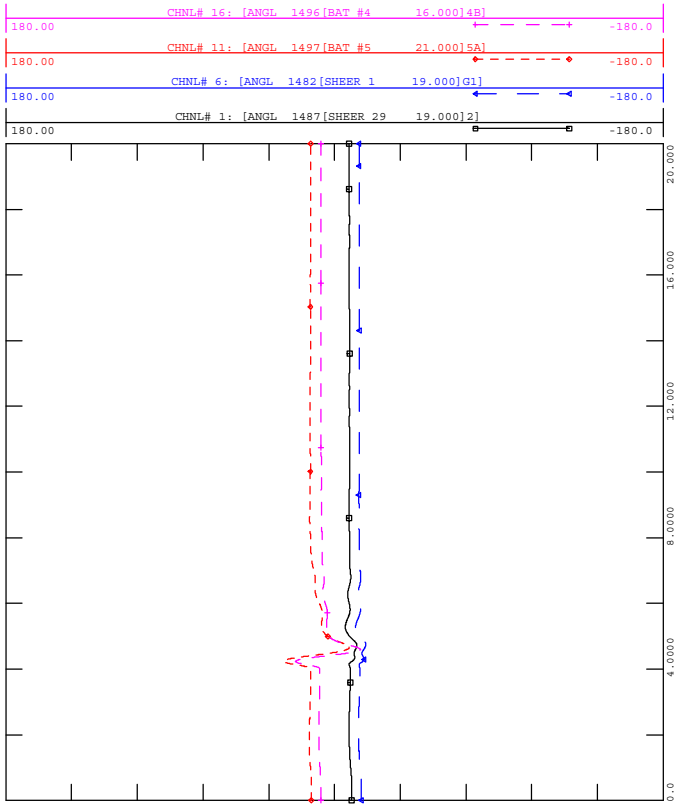


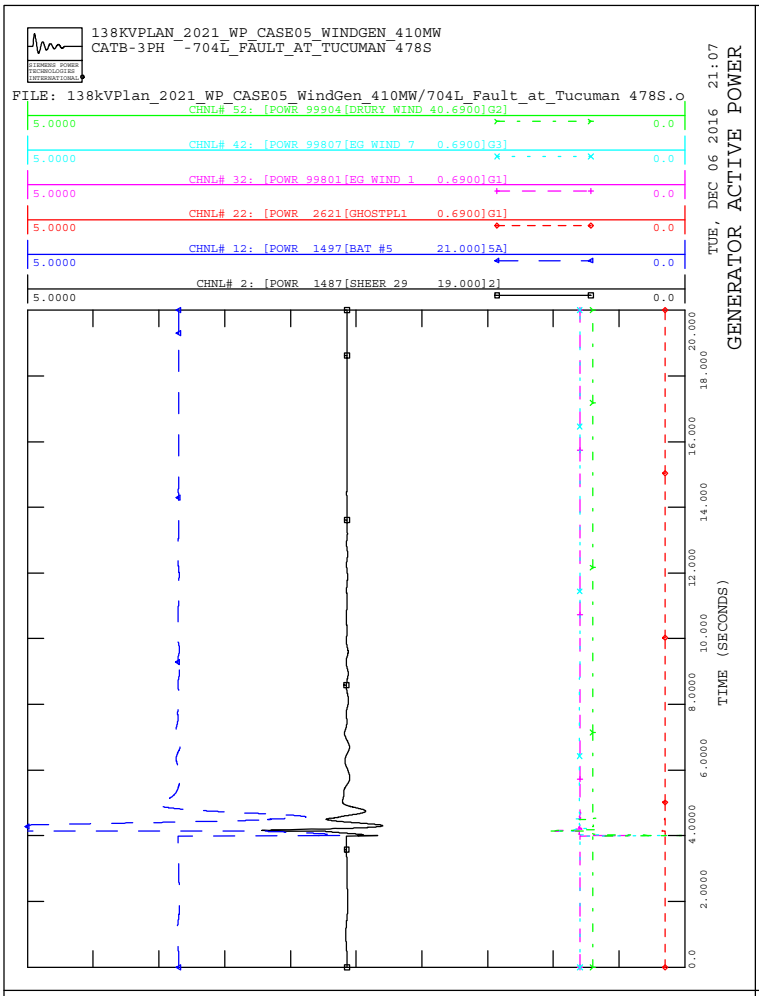
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:07

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:07
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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12.000
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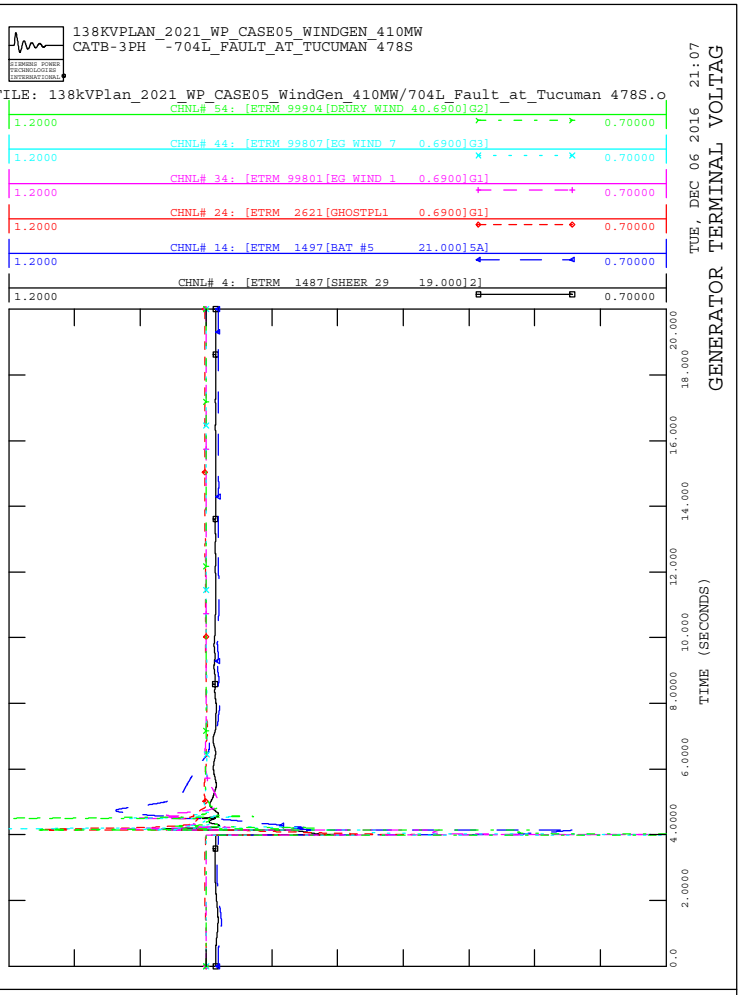
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:07
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
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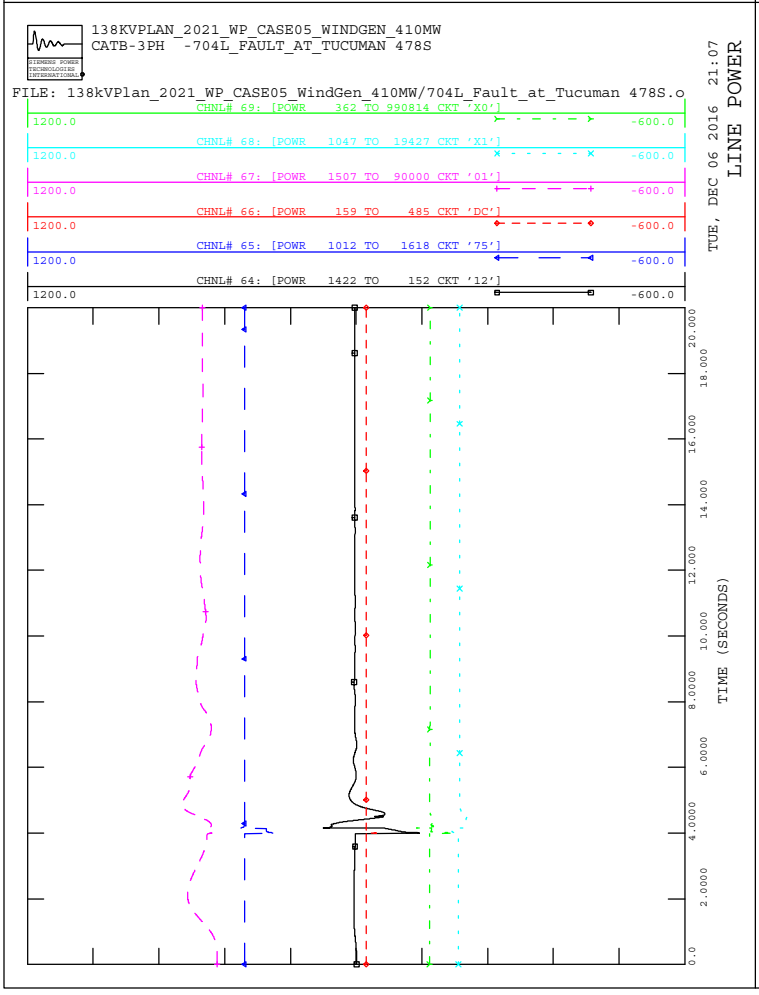
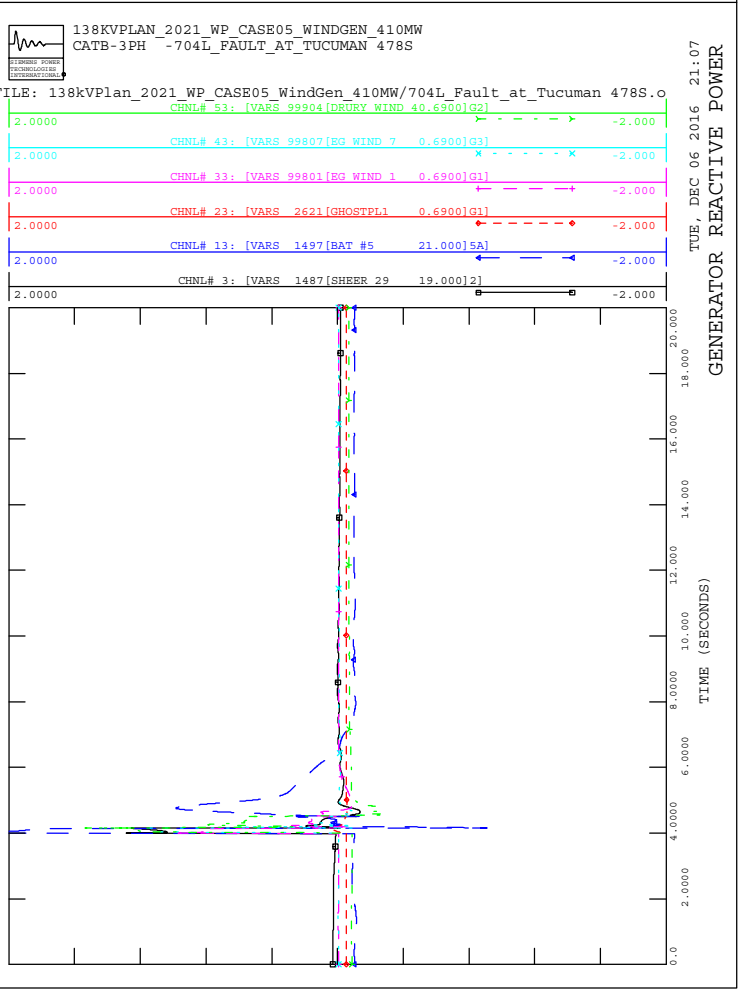
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:07
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

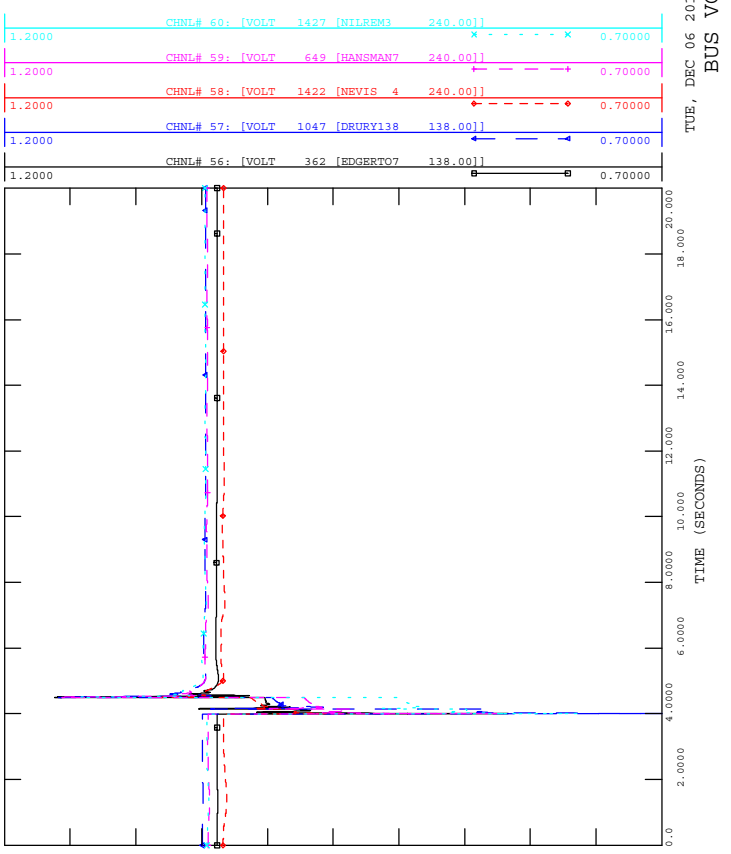

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:07
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S

TUE, DEC 06 2016 21:07

BUS VOLTAGE

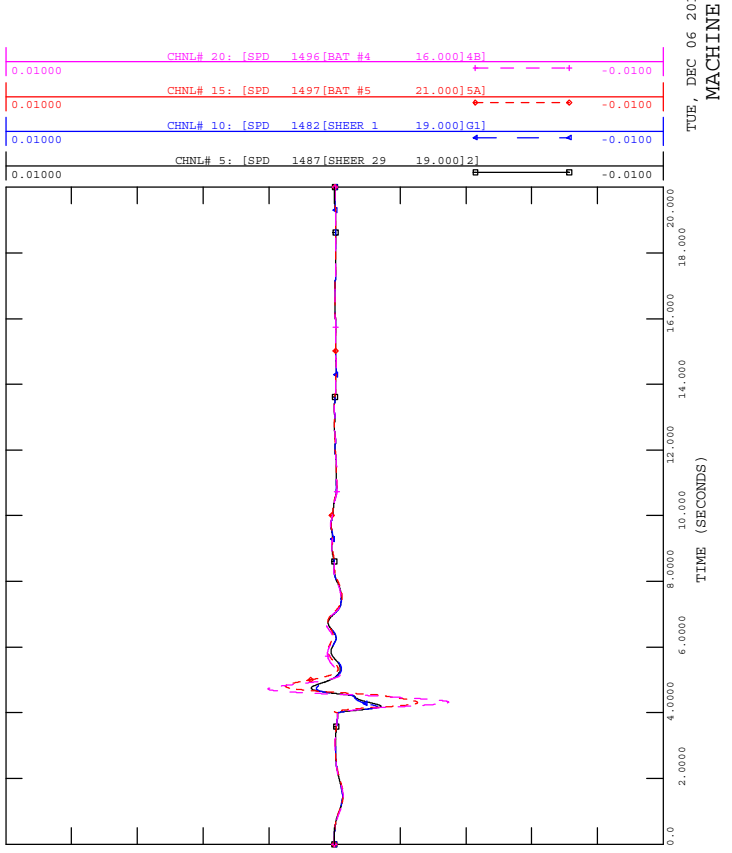


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S

TUE, DEC 06 2016 21:07

MACHINE SPEED

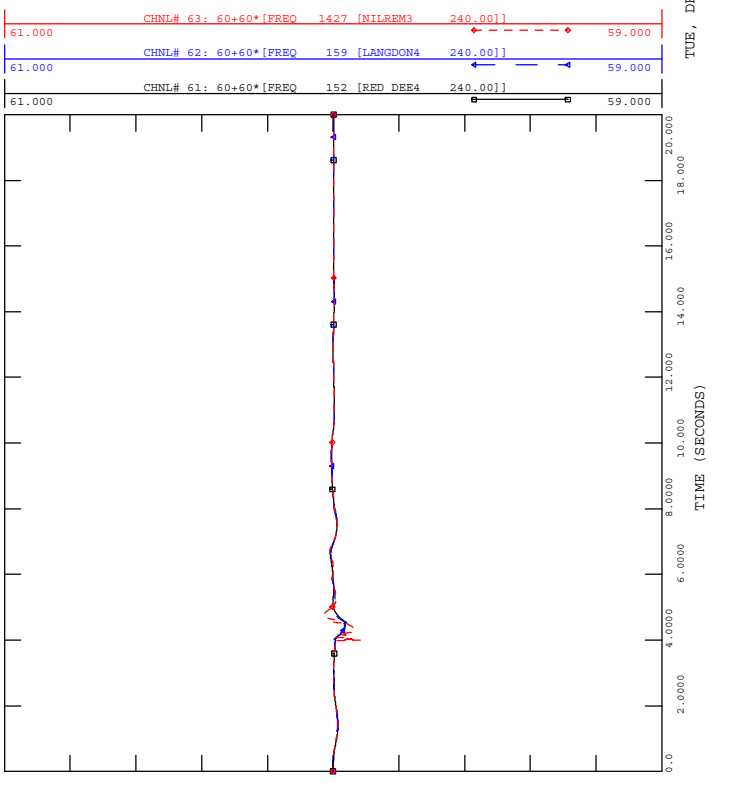


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S

TUE, DEC 06 2016 21:07

FREQUENCY

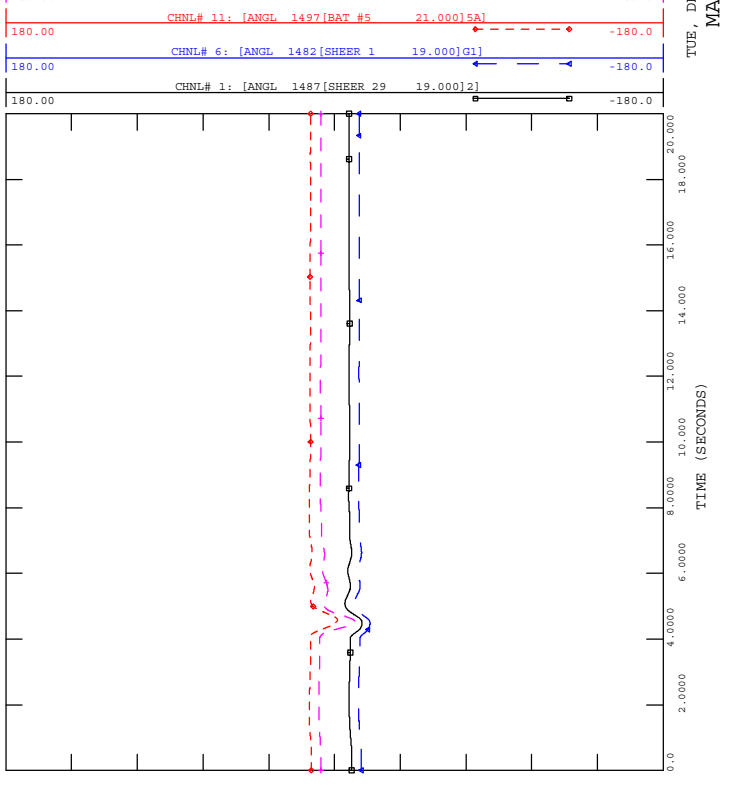


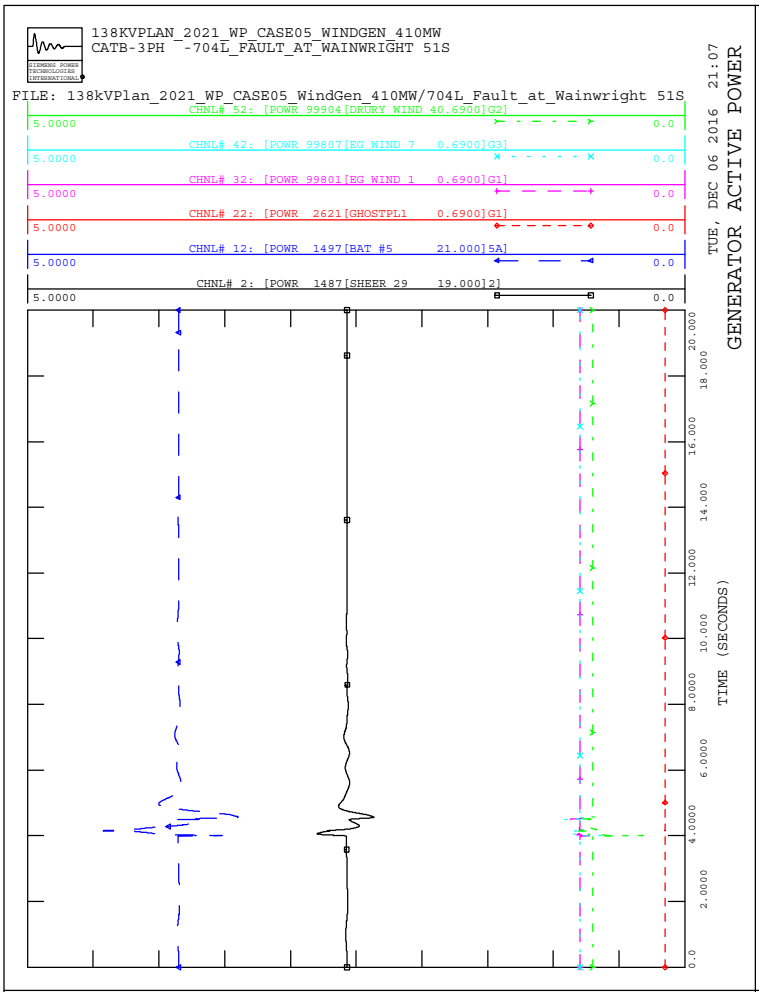
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

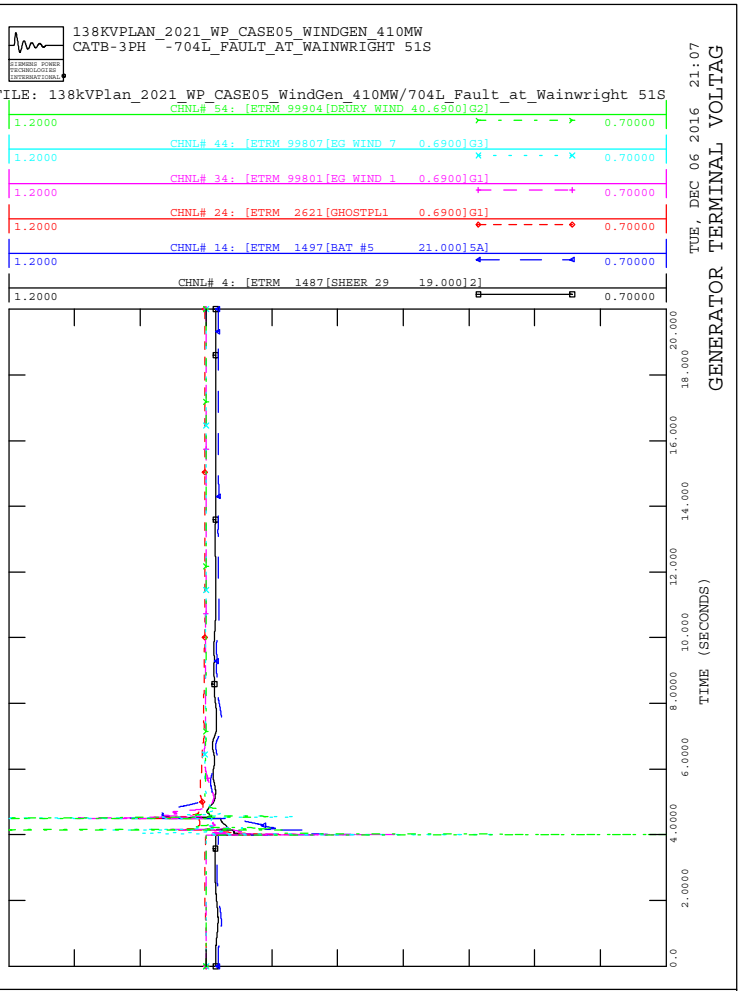
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S

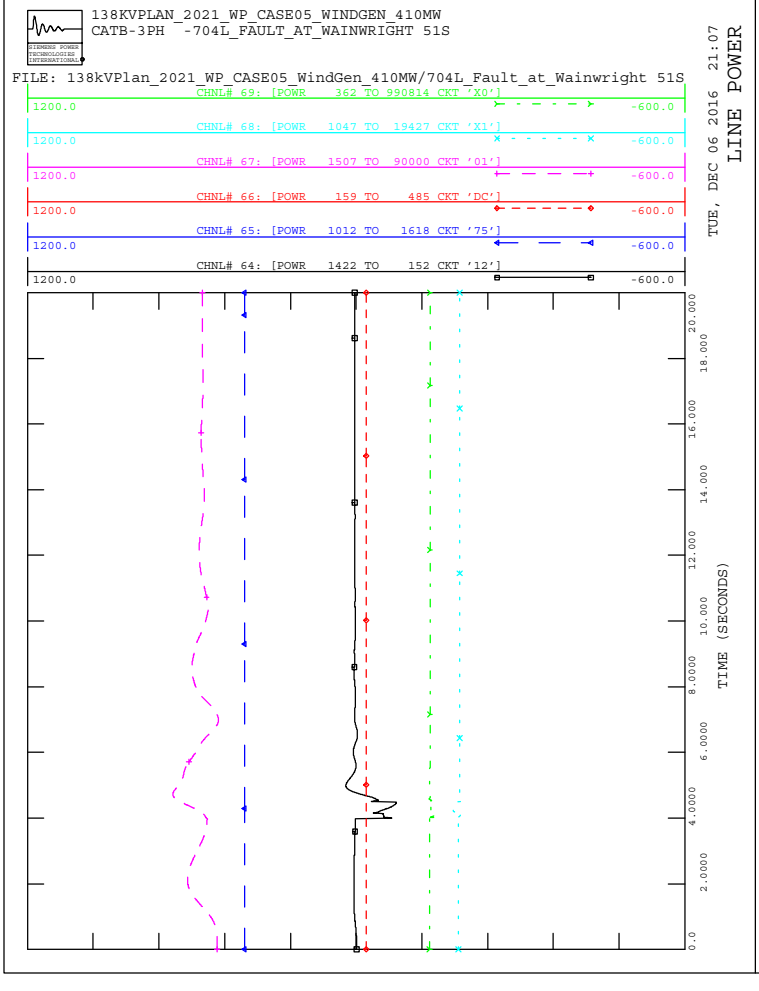
TUE, DEC 06 2016 21:07

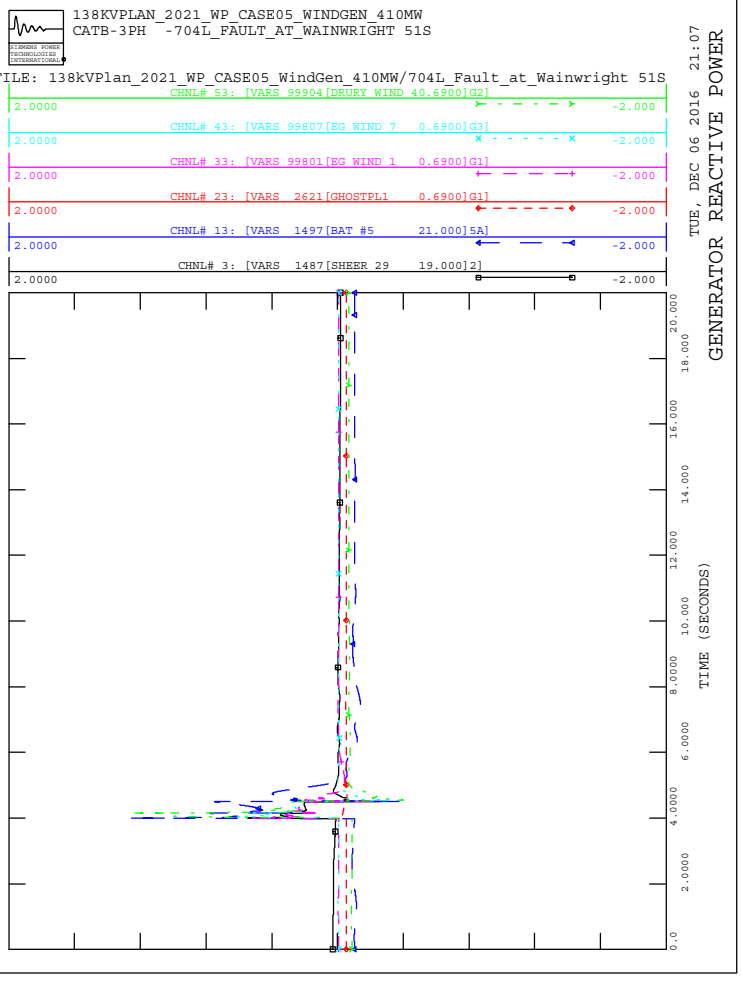
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:07
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:07
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:07
LINE POWER
TIME (SECONDS)

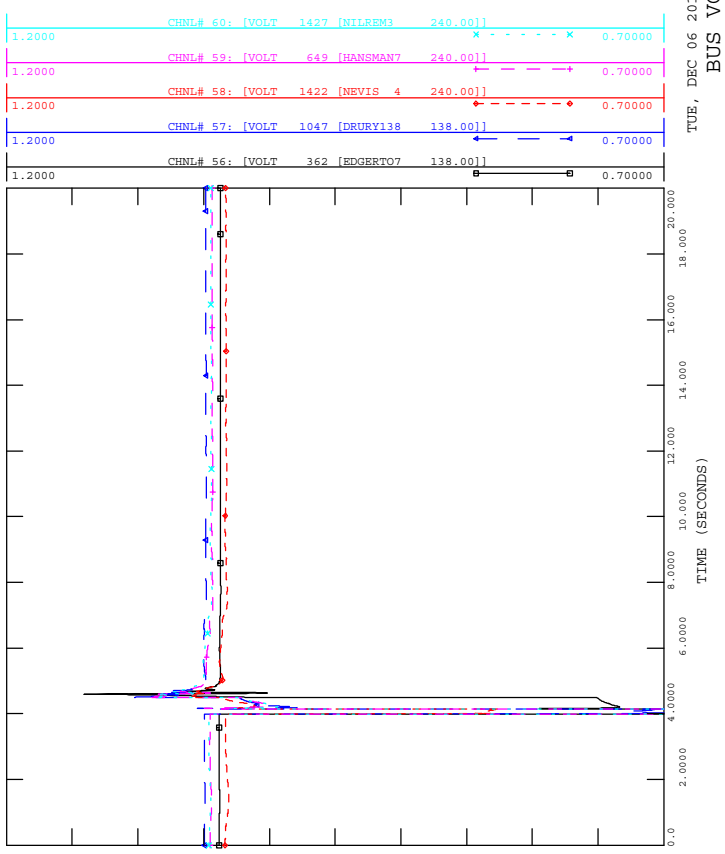

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:07
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:07

BUS VOLTAGE

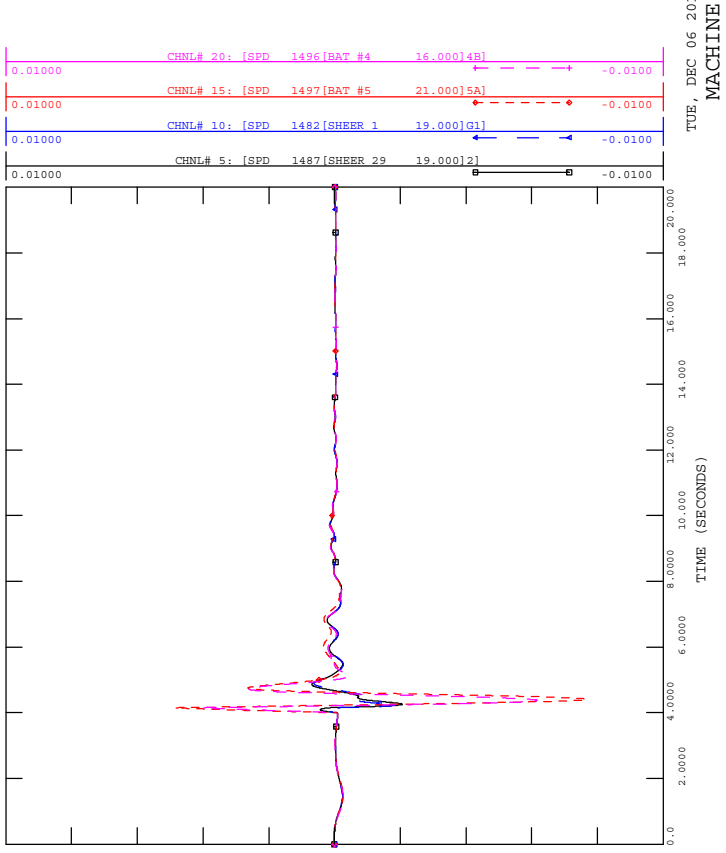


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:07

MACHINE SPEED

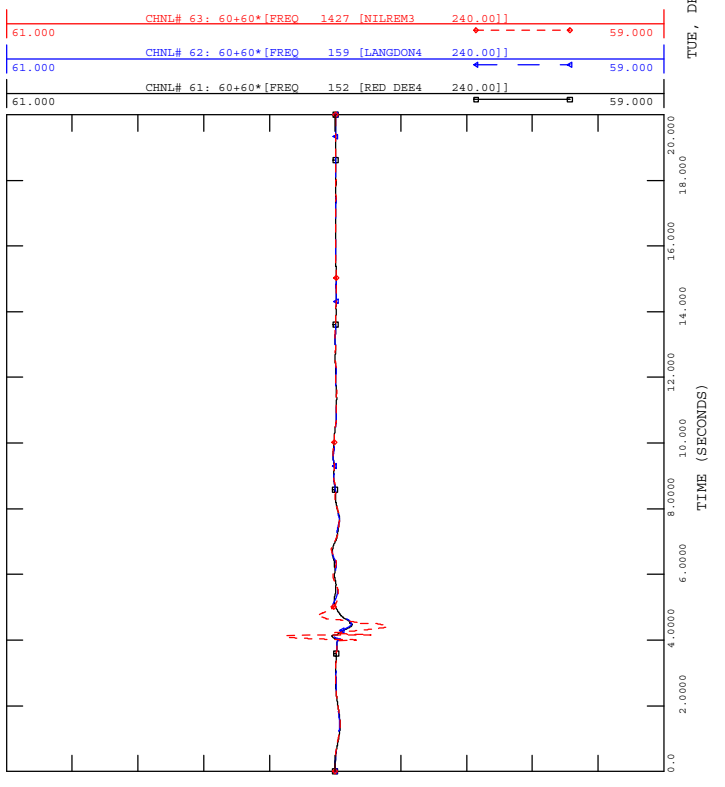


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:07

FREQUENCY

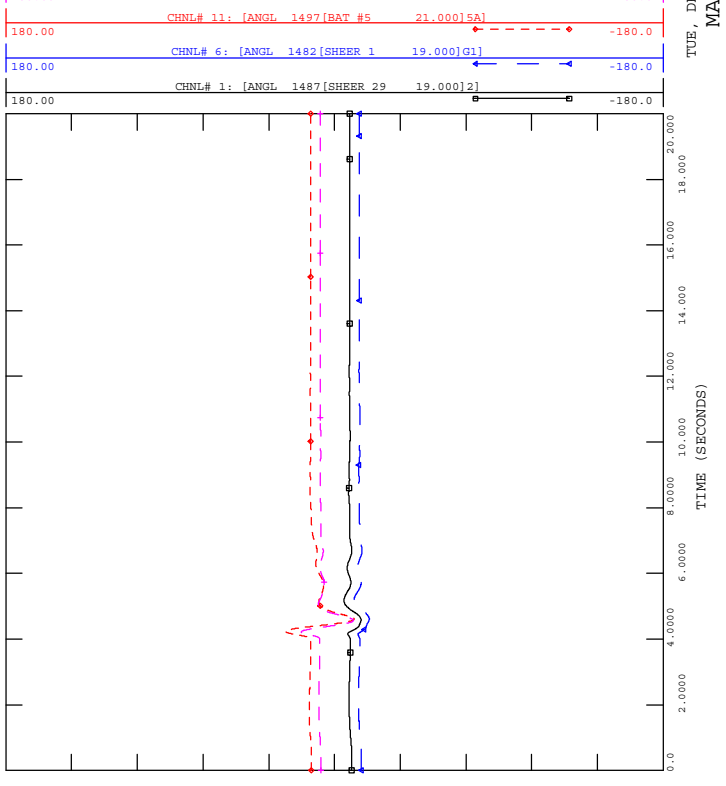


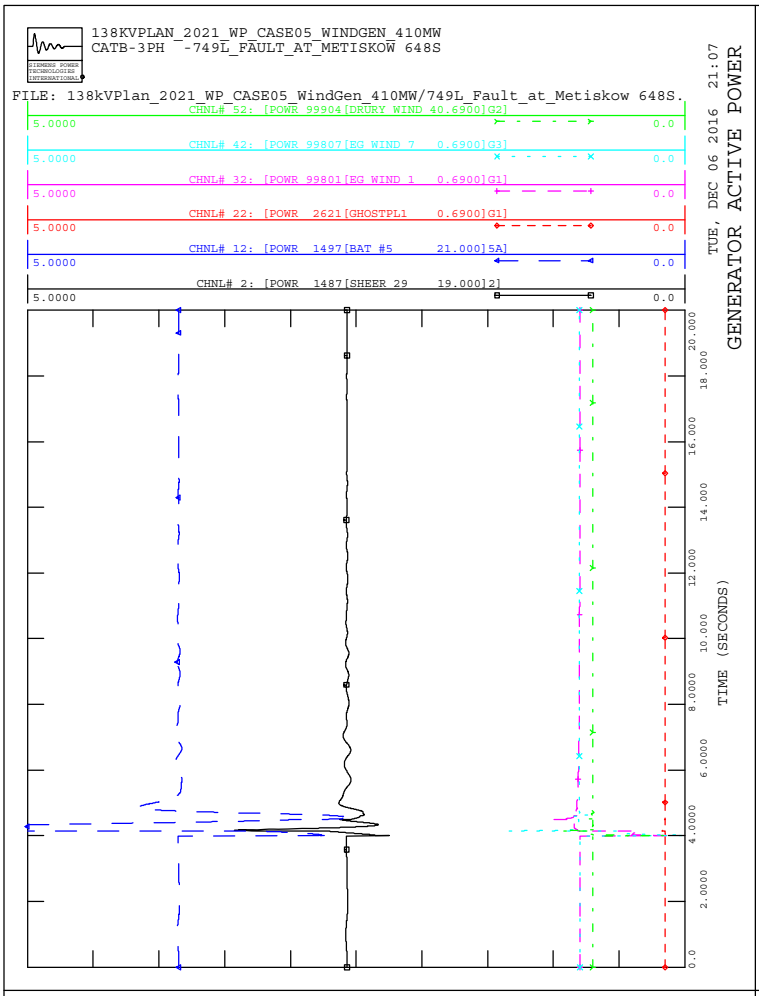
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

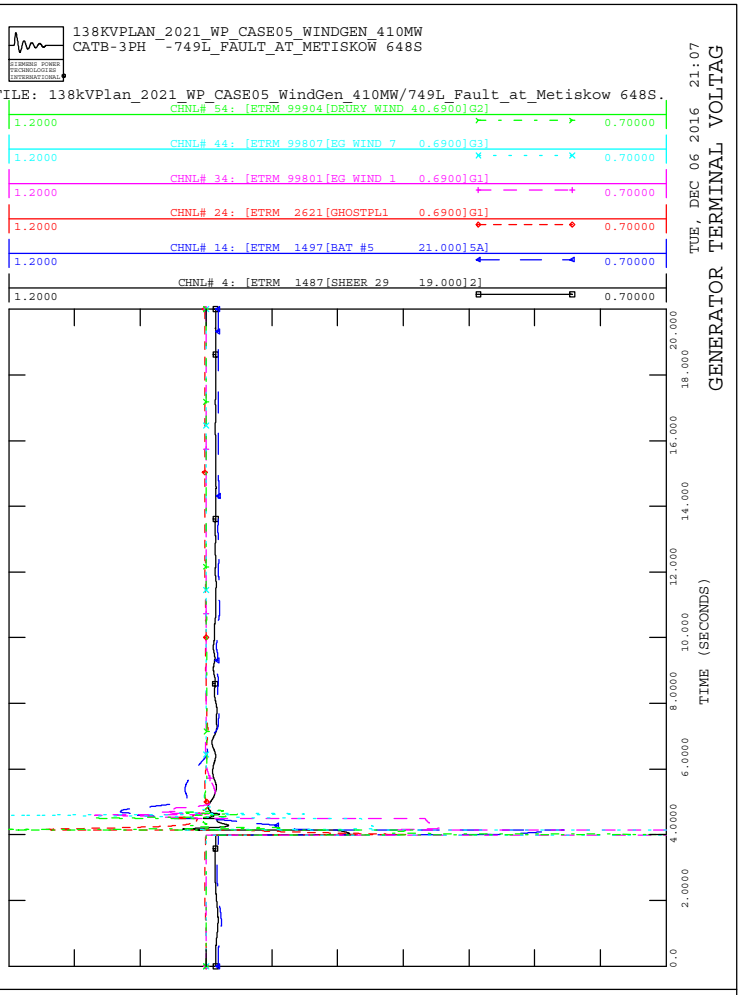
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.

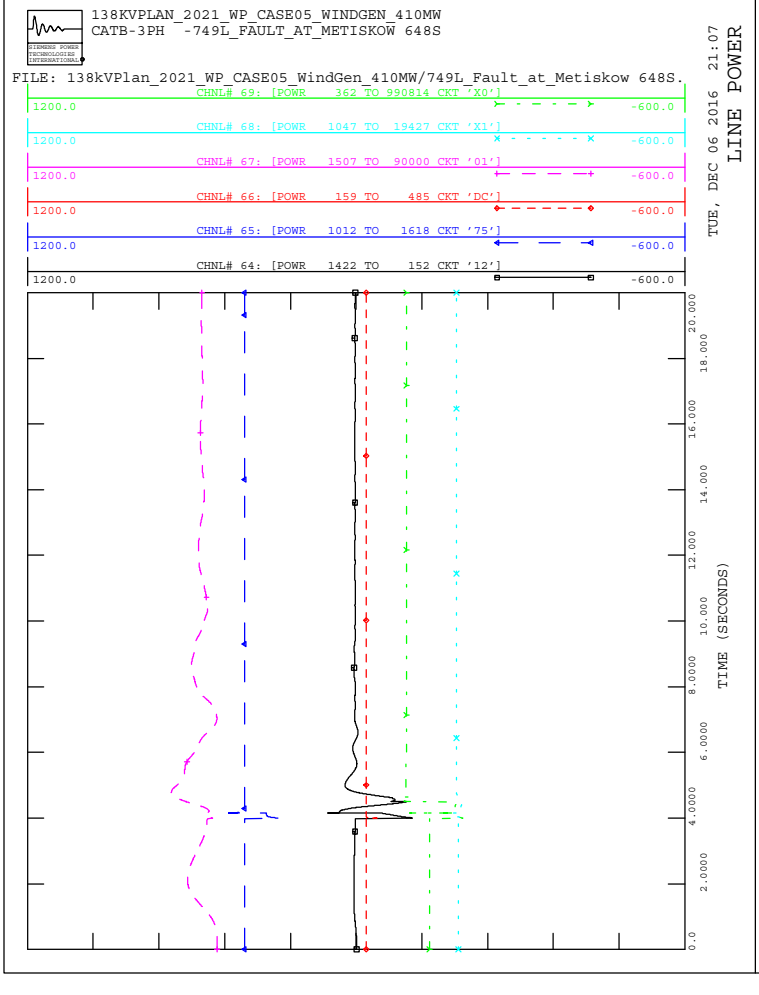
TUE, DEC 06 2016 21:07

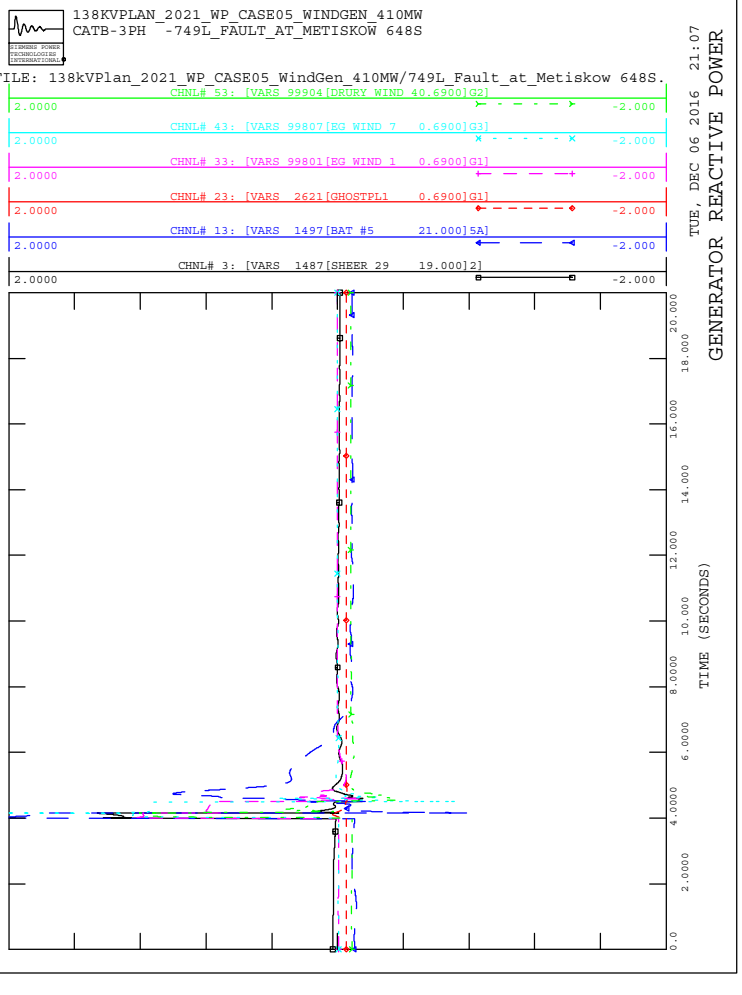
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:07
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:07
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:07
LINE POWER
TIME (SECONDS)

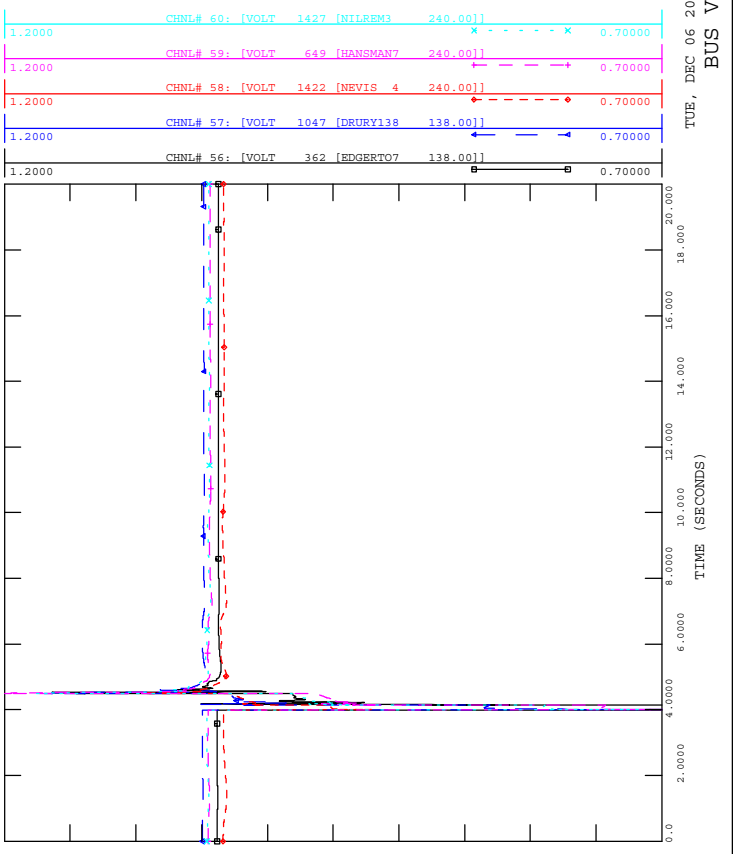

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:07
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.

TUE, DEC 06 2016 21:07

BUS VOLTAGE

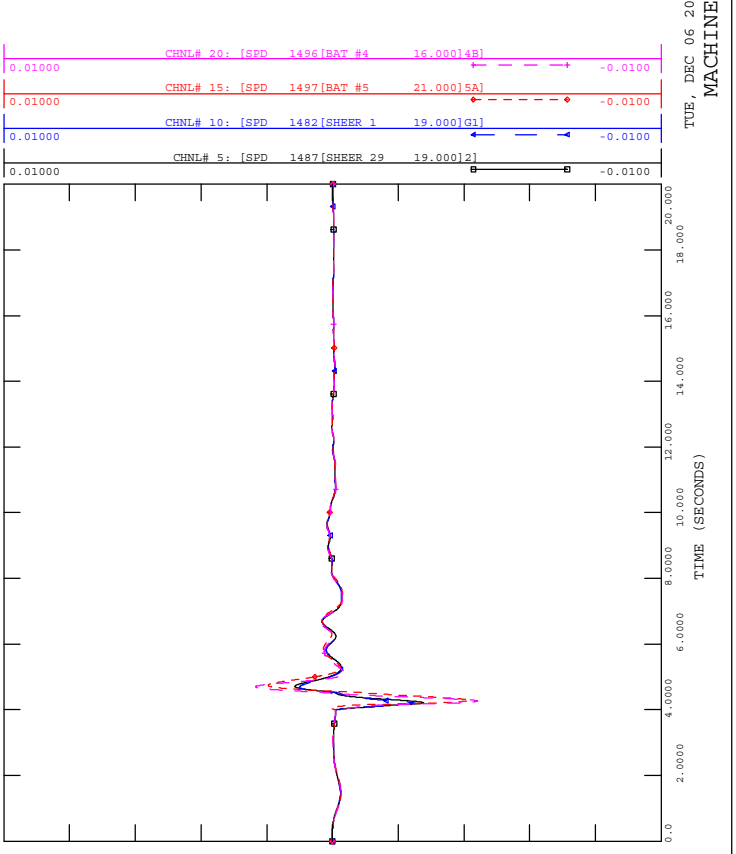


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.

TUE, DEC 06 2016 21:07

MACHINE SPEED

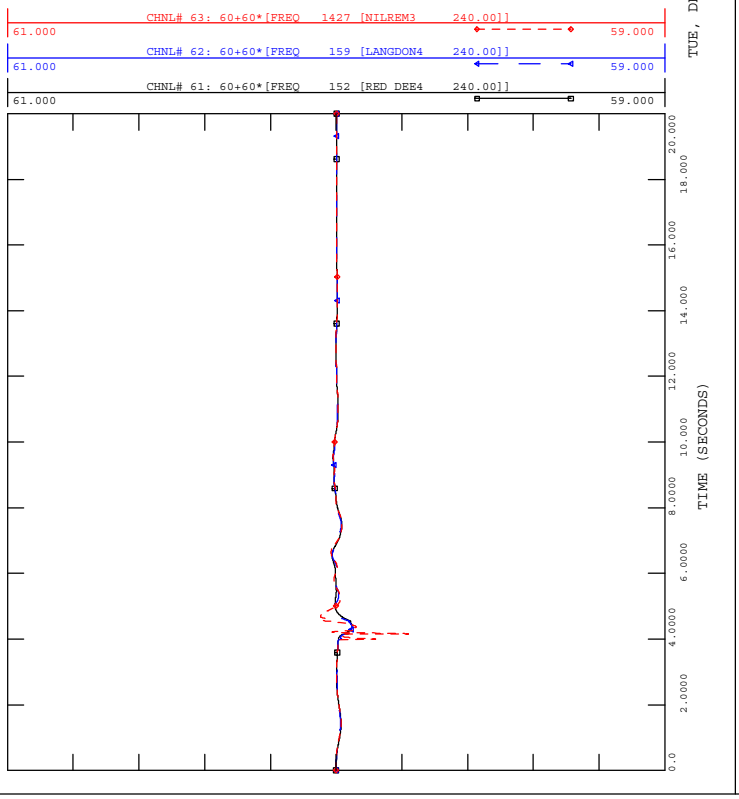


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.

TUE, DEC 06 2016 21:07

FREQUENCY

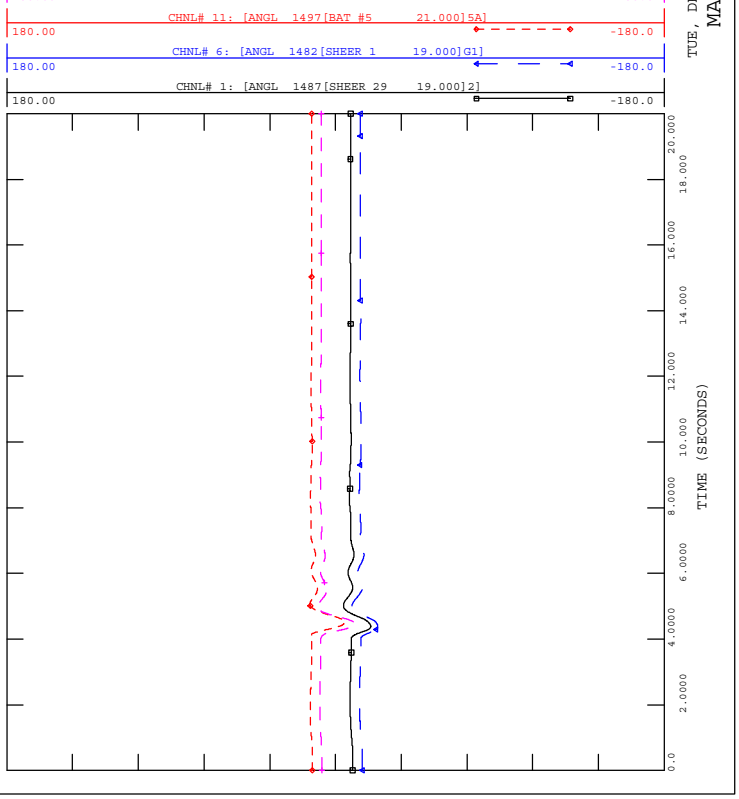


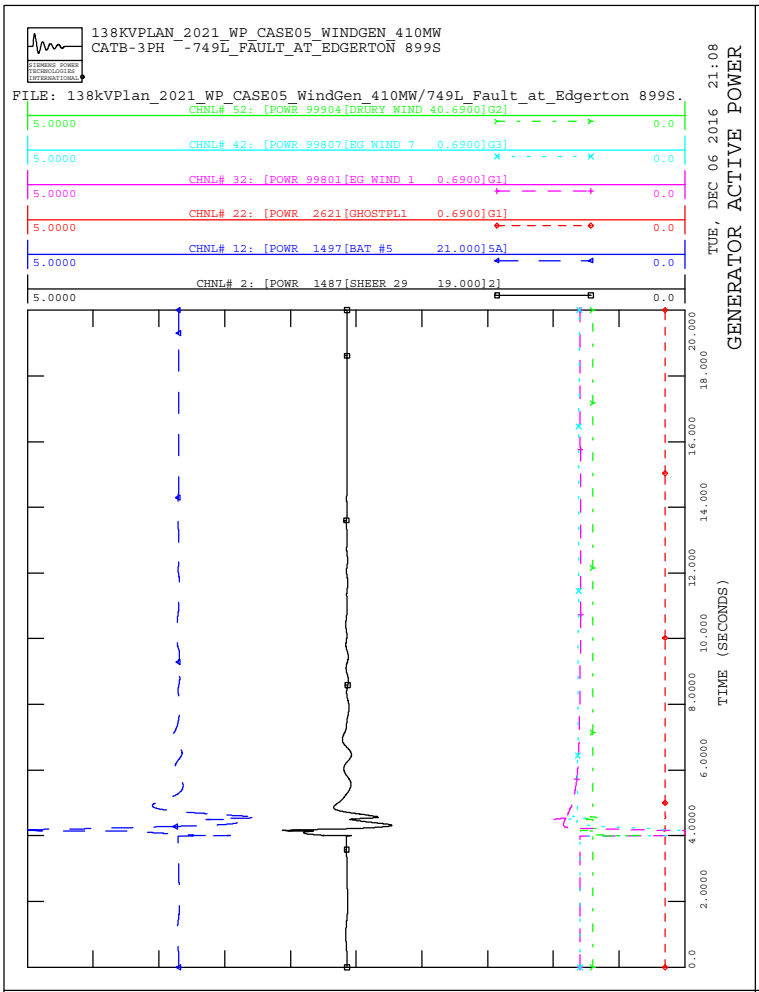
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

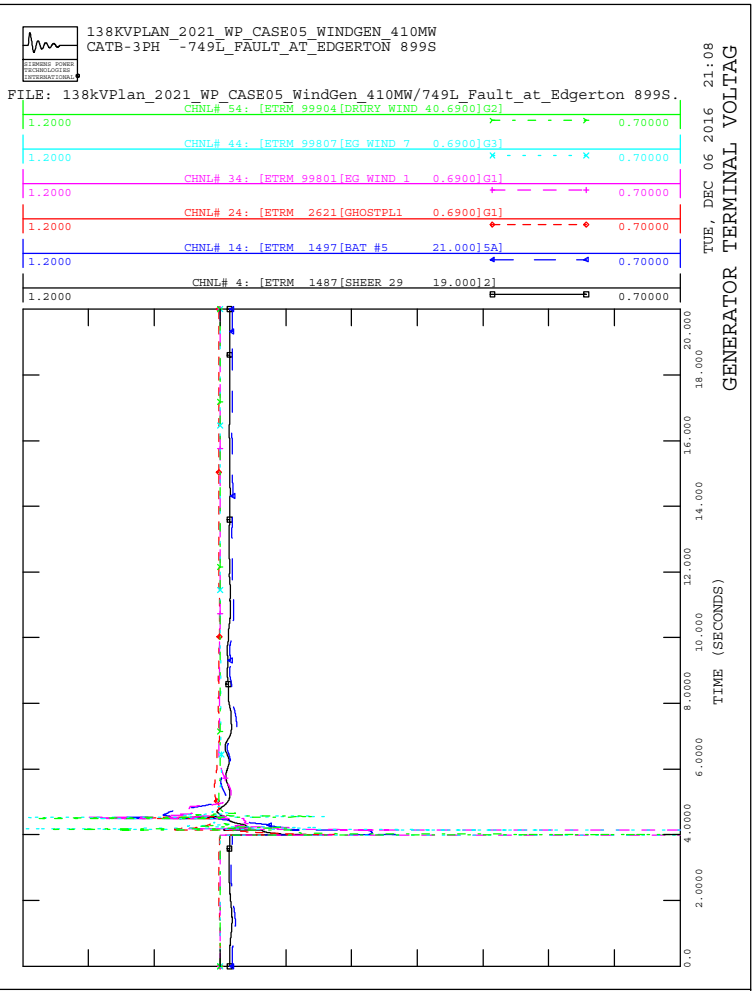
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.

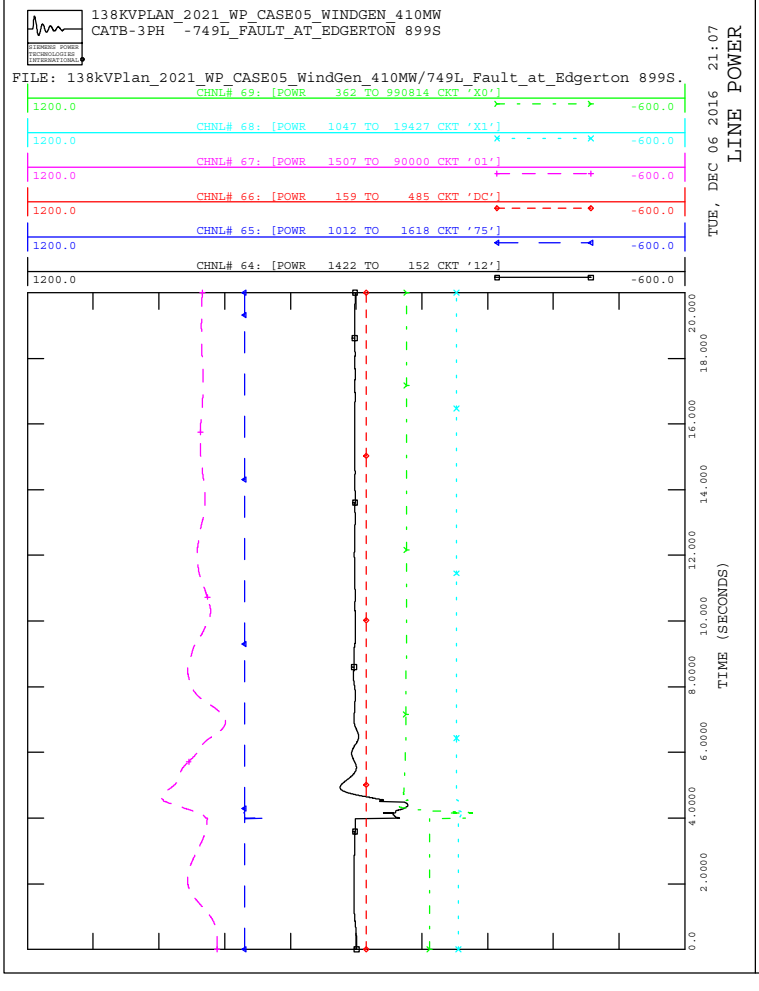
TUE, DEC 06 2016 21:07

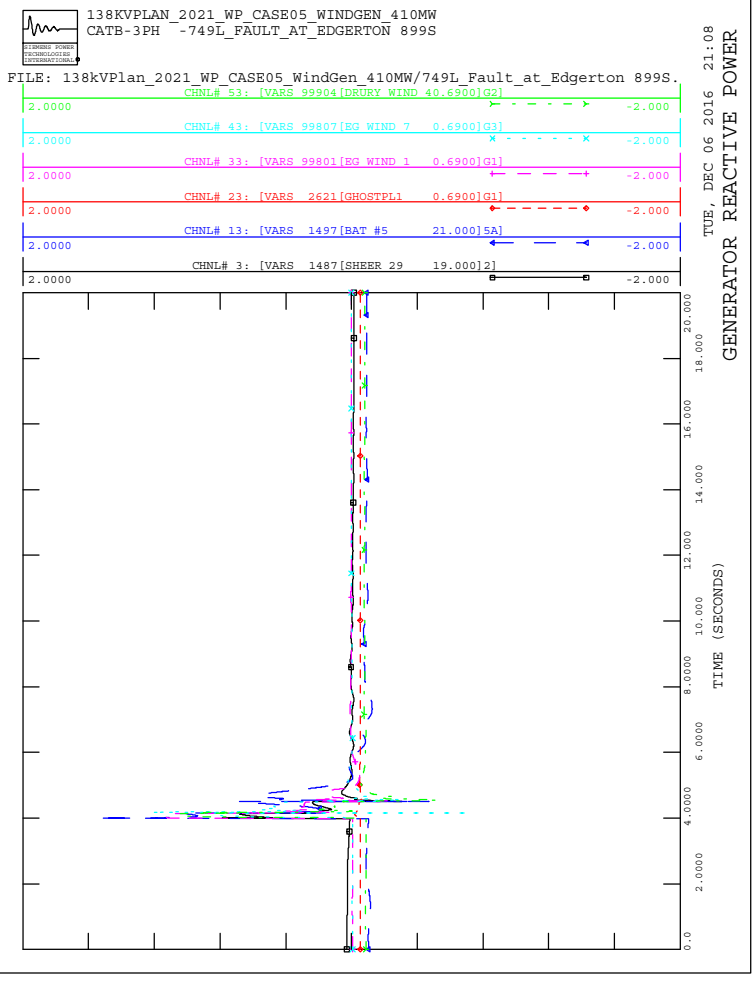
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:07
LINE POWER
TIME (SECONDS)

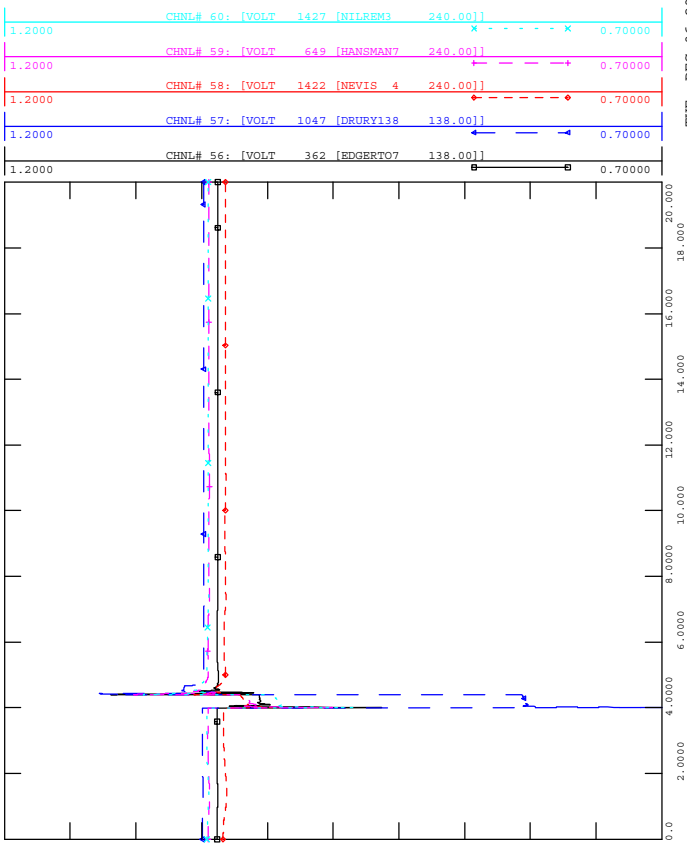

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:08

BUS VOLTAGE

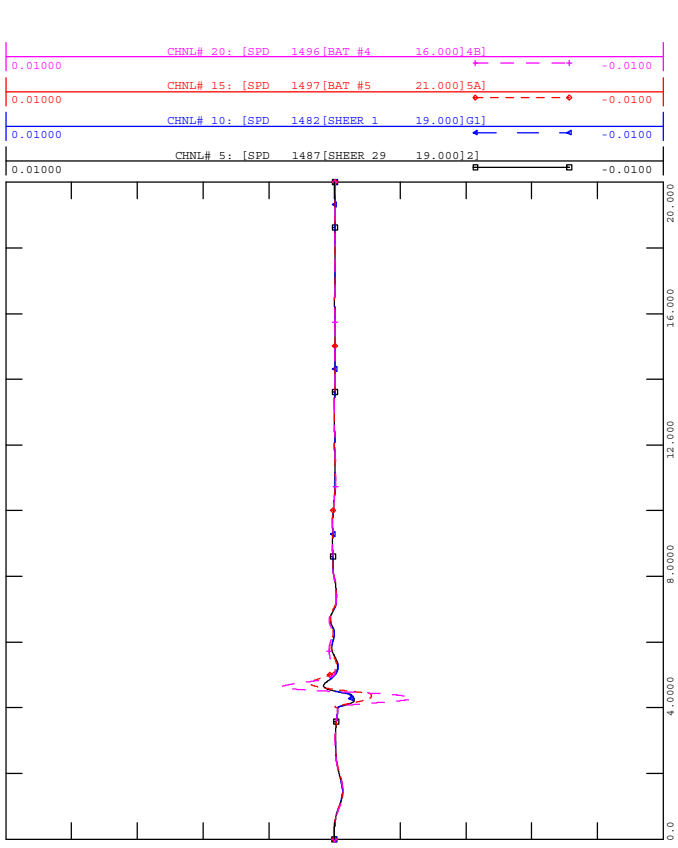


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:08

MACHINE SPEED

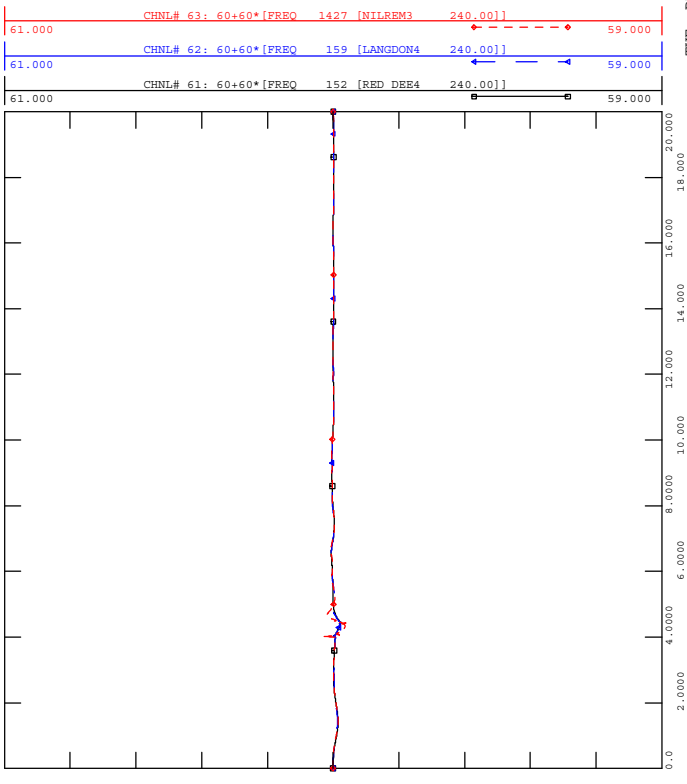


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:08

FREQUENCY

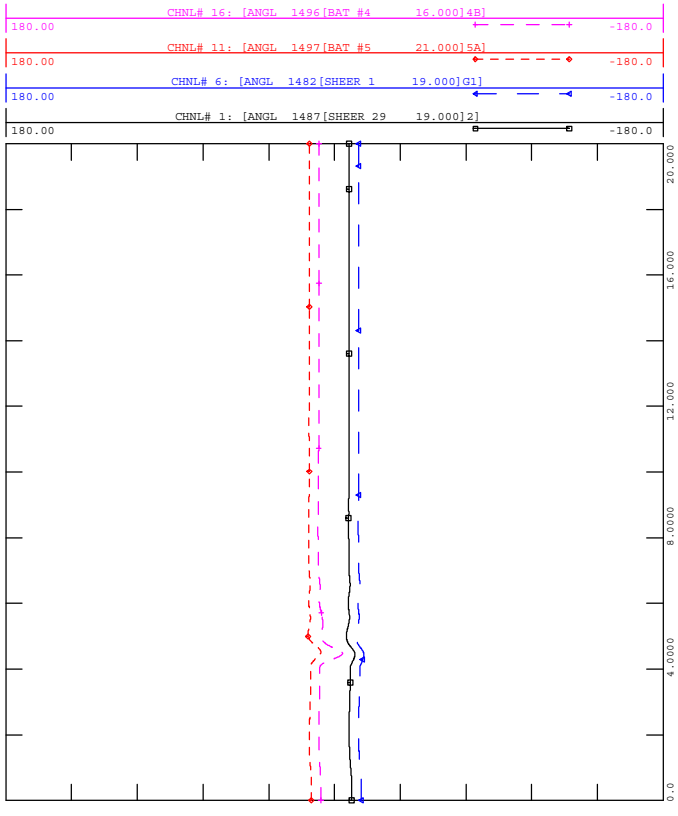


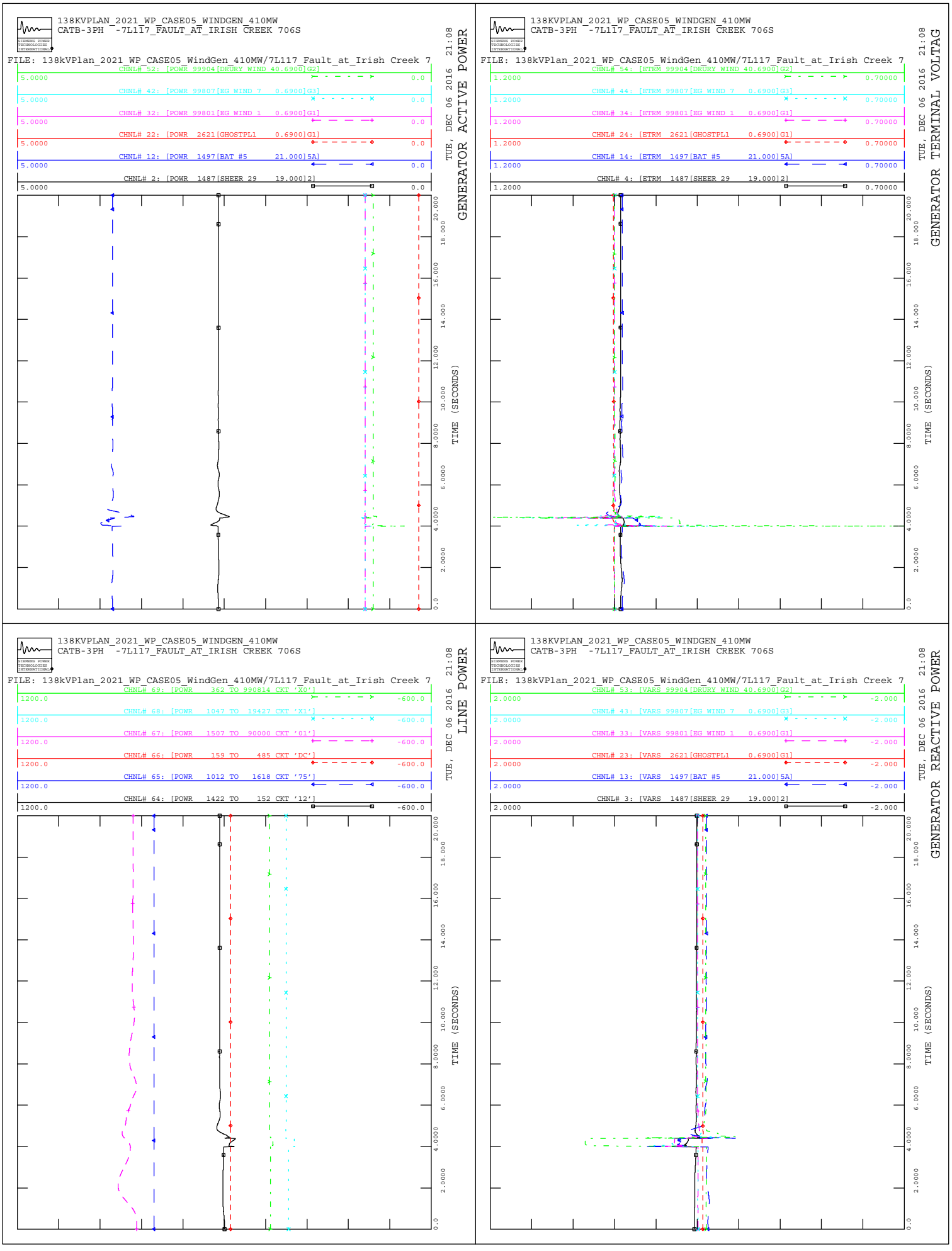
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:08

MACHINE ANGLE



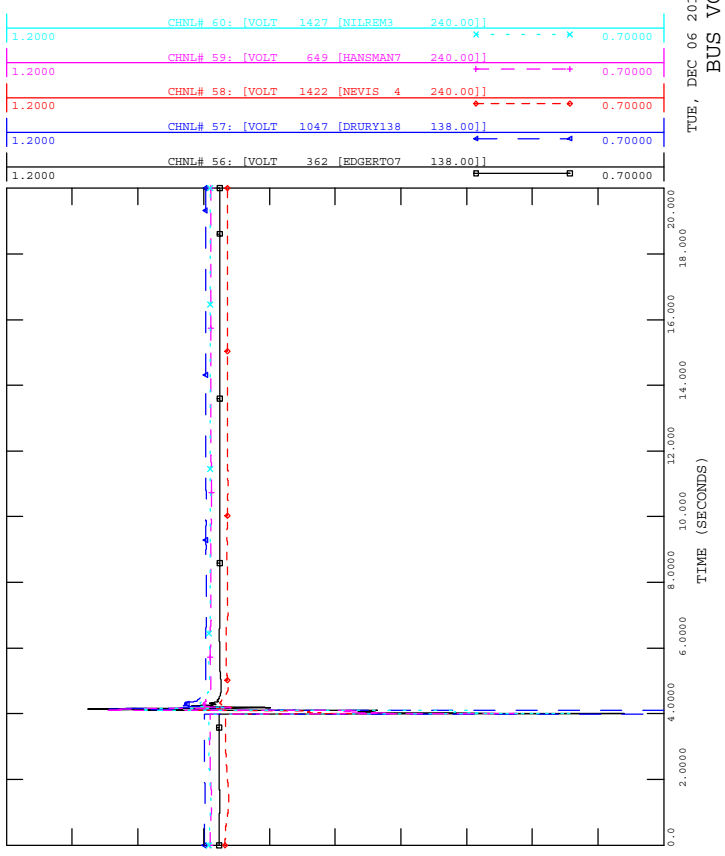

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

BUS VOLTAGE

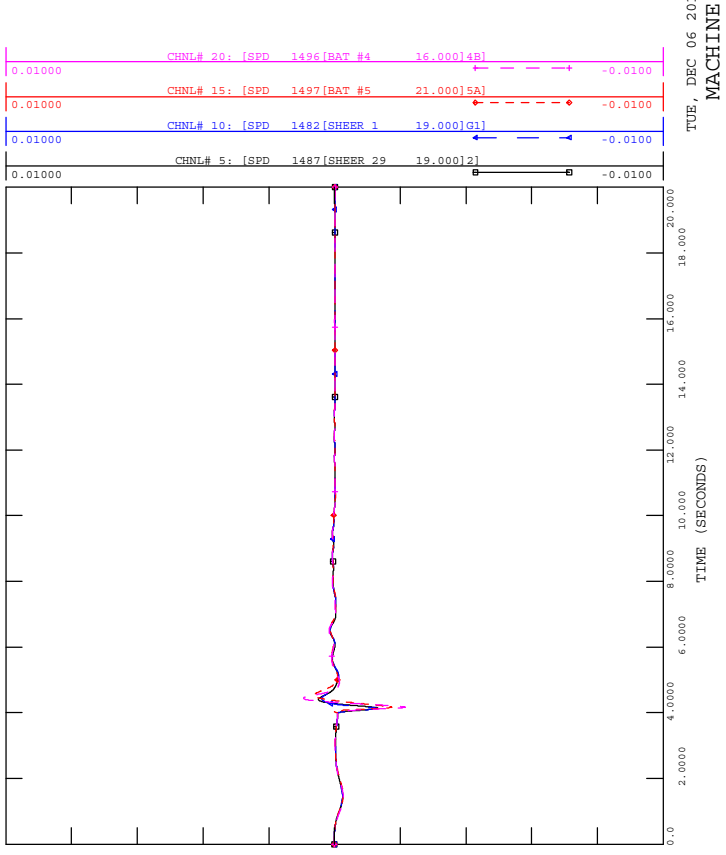


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

MACHINE SPEED

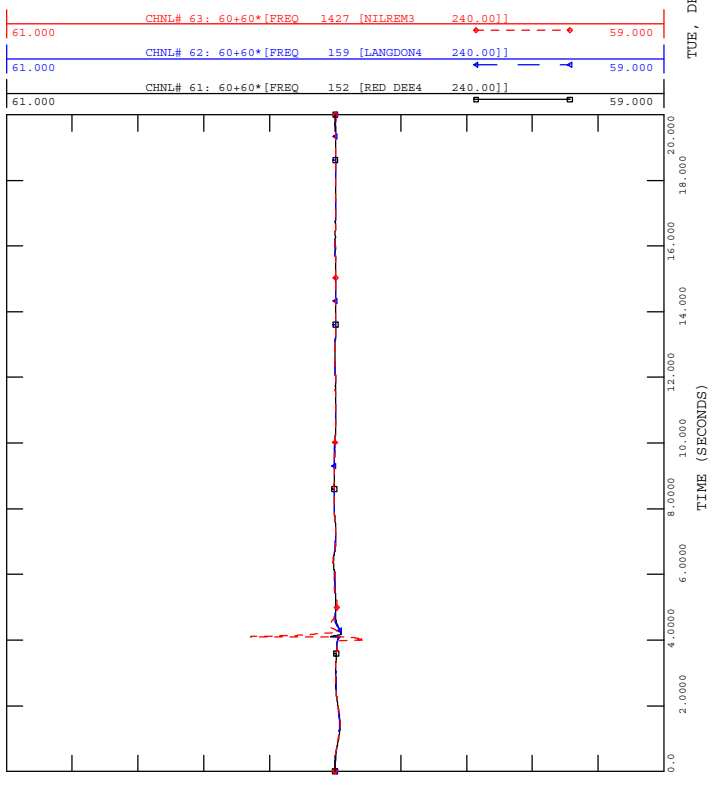


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

FREQUENCY

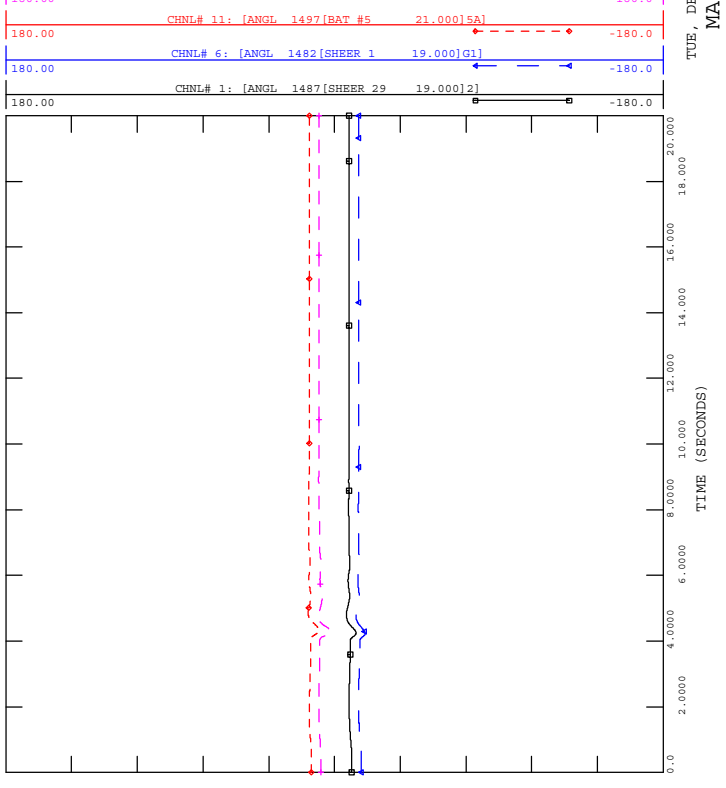


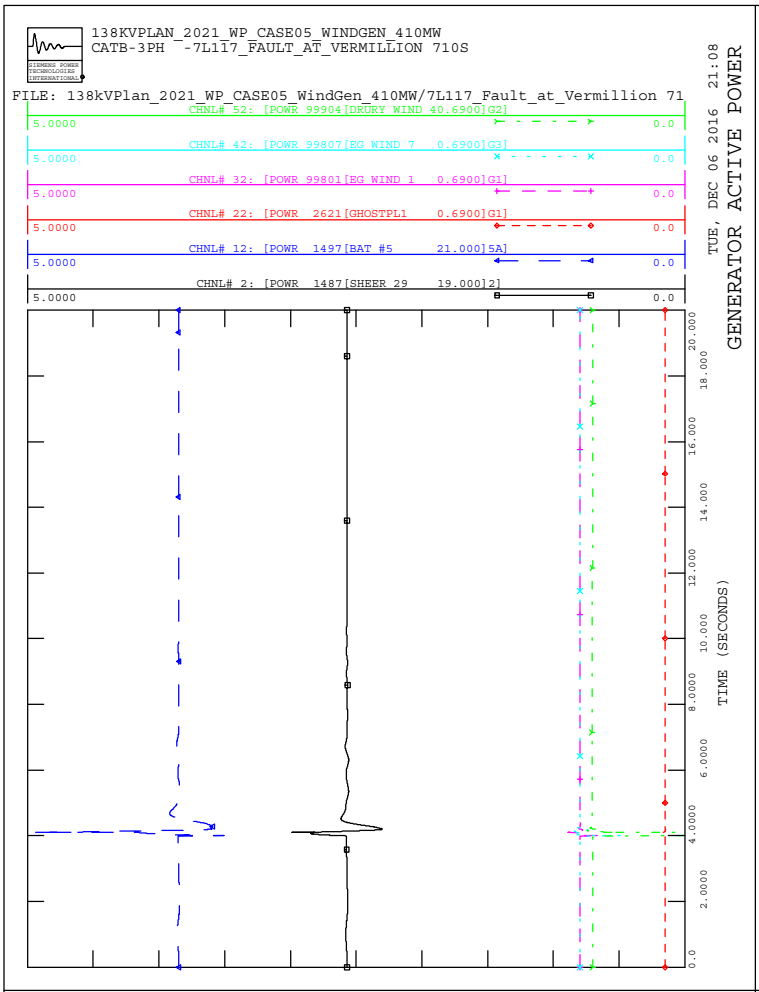
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

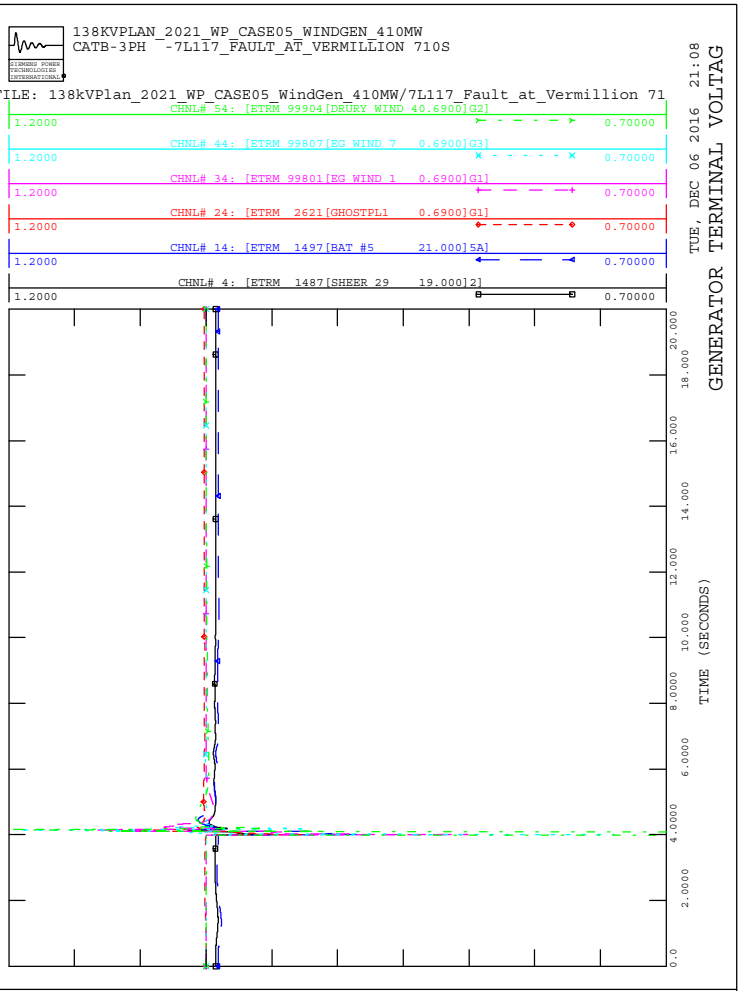
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71

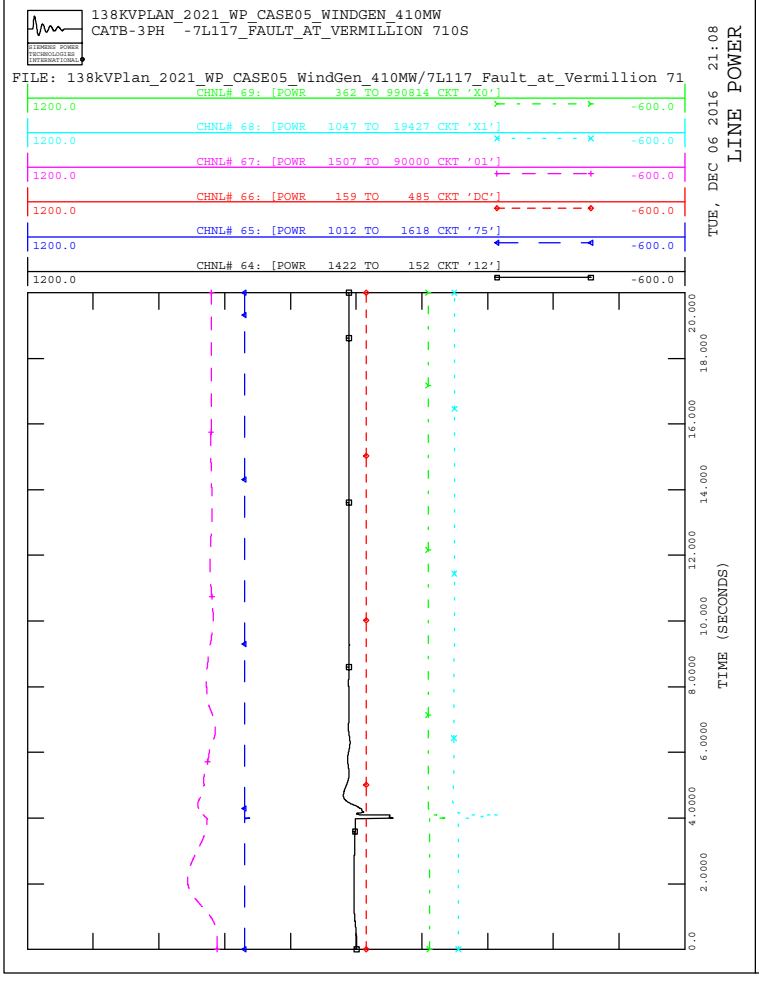
TUE, DEC 06 2016 21:08

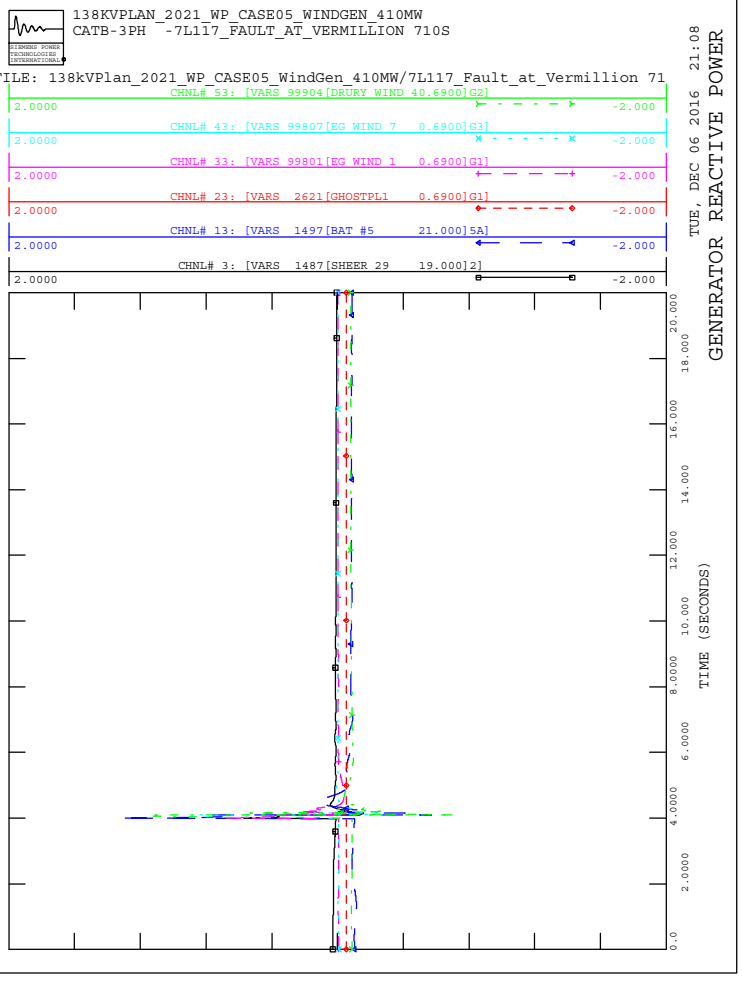
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

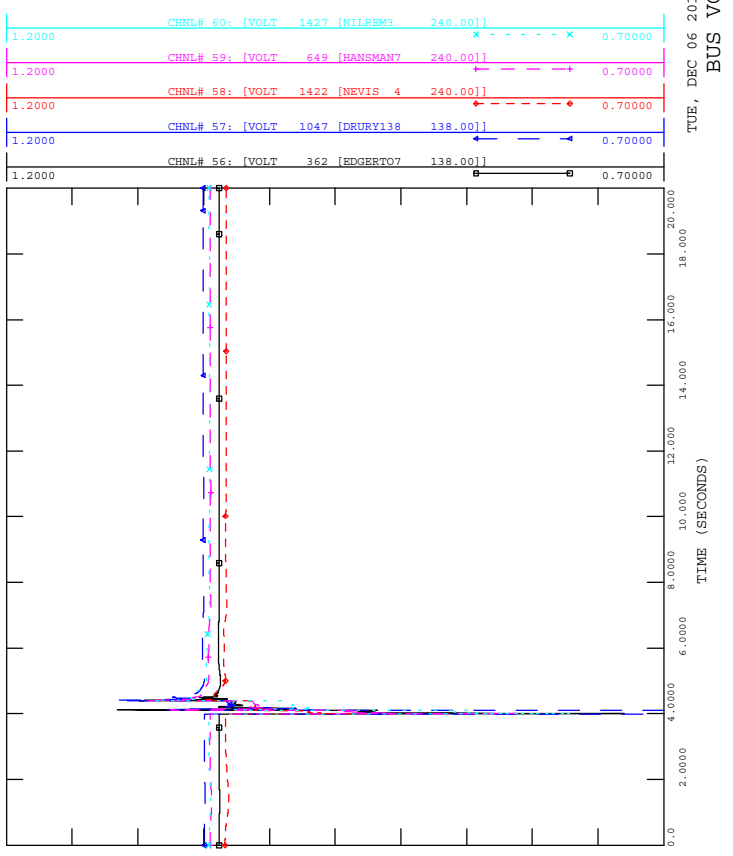

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

BUS VOLTAGE

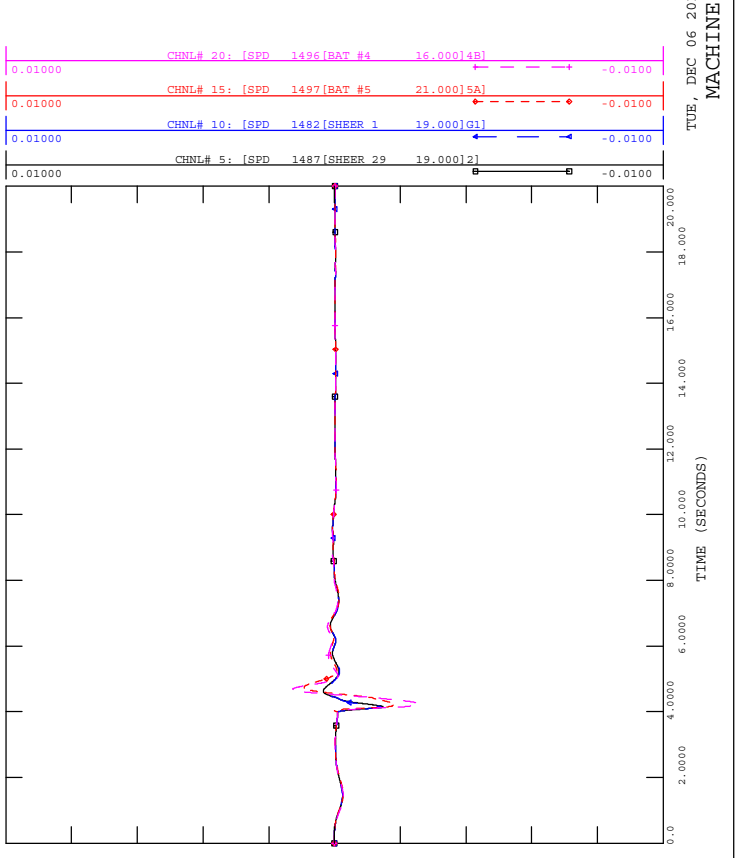


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

MACHINE SPEED

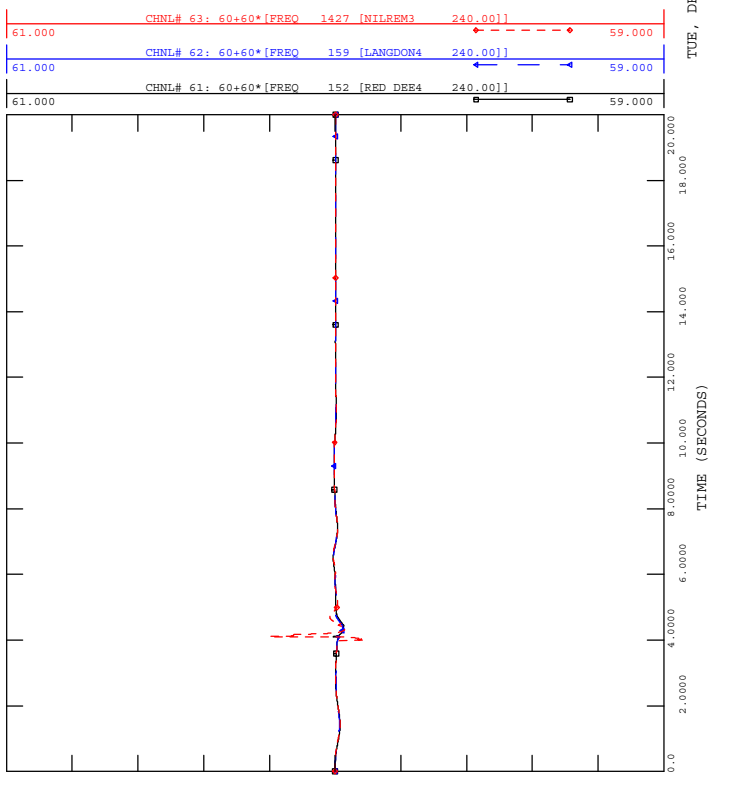


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

FREQUENCY

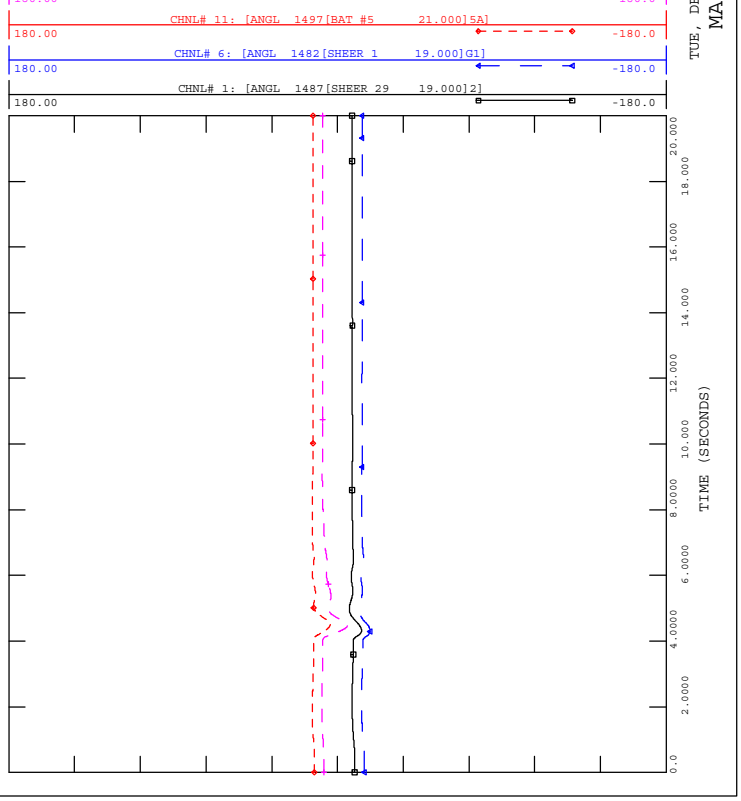


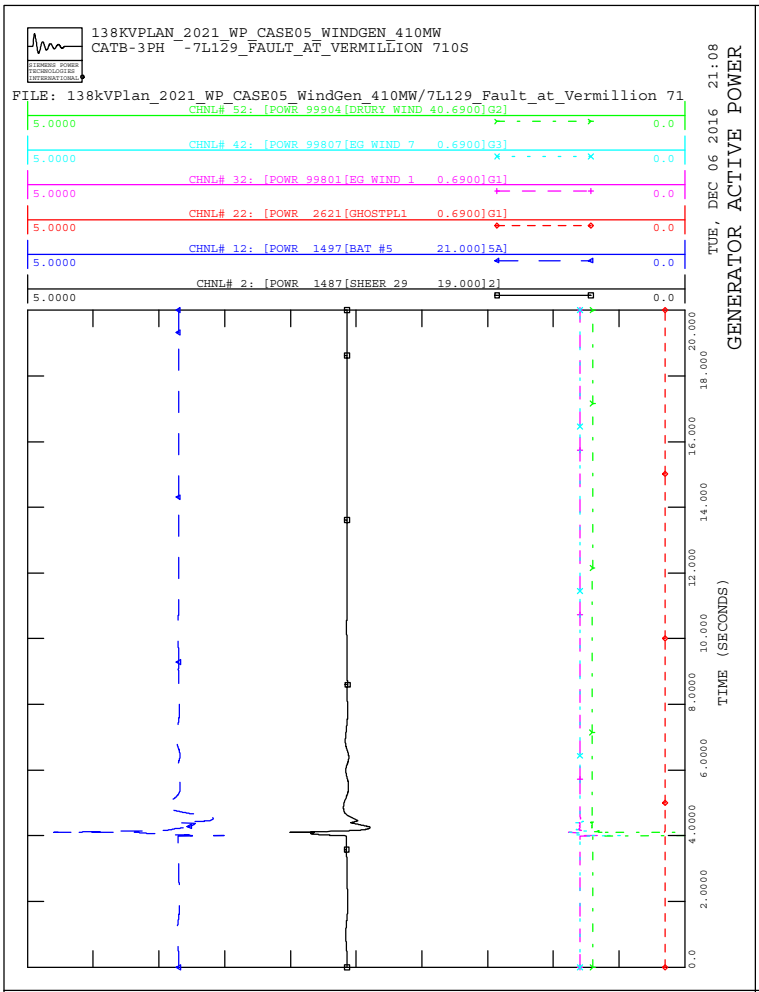
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

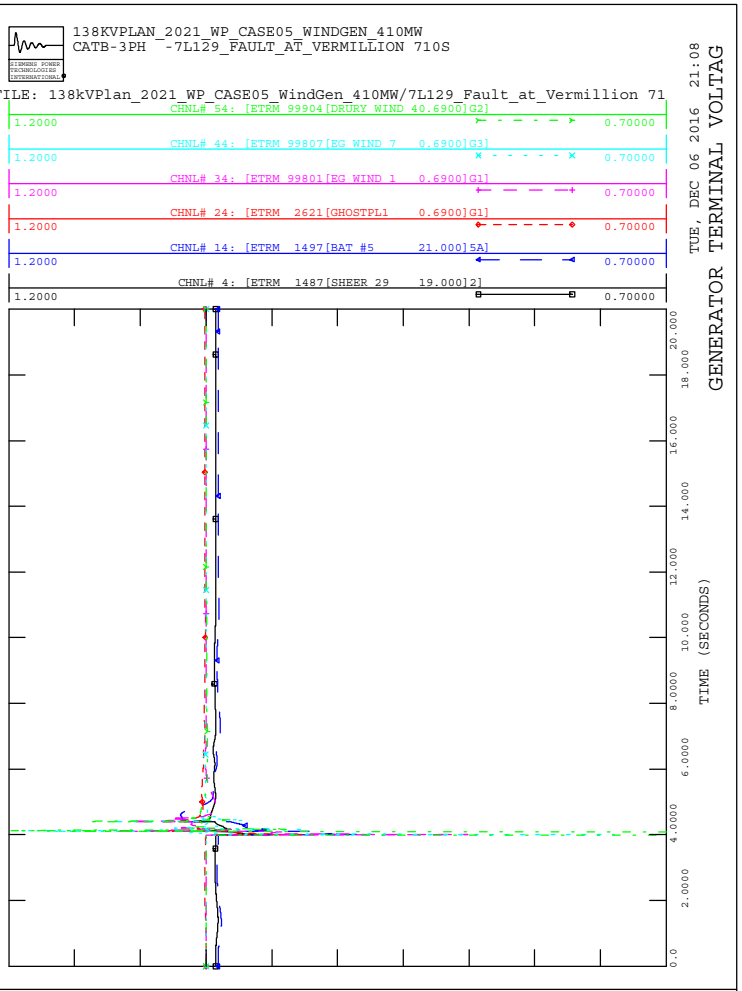
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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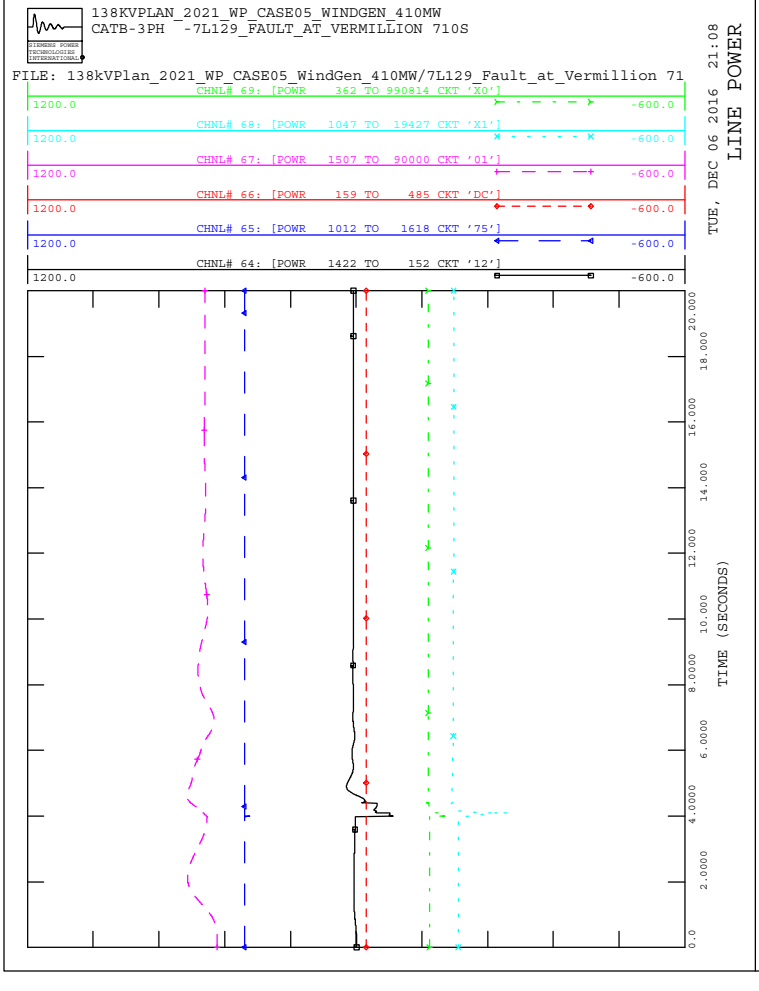
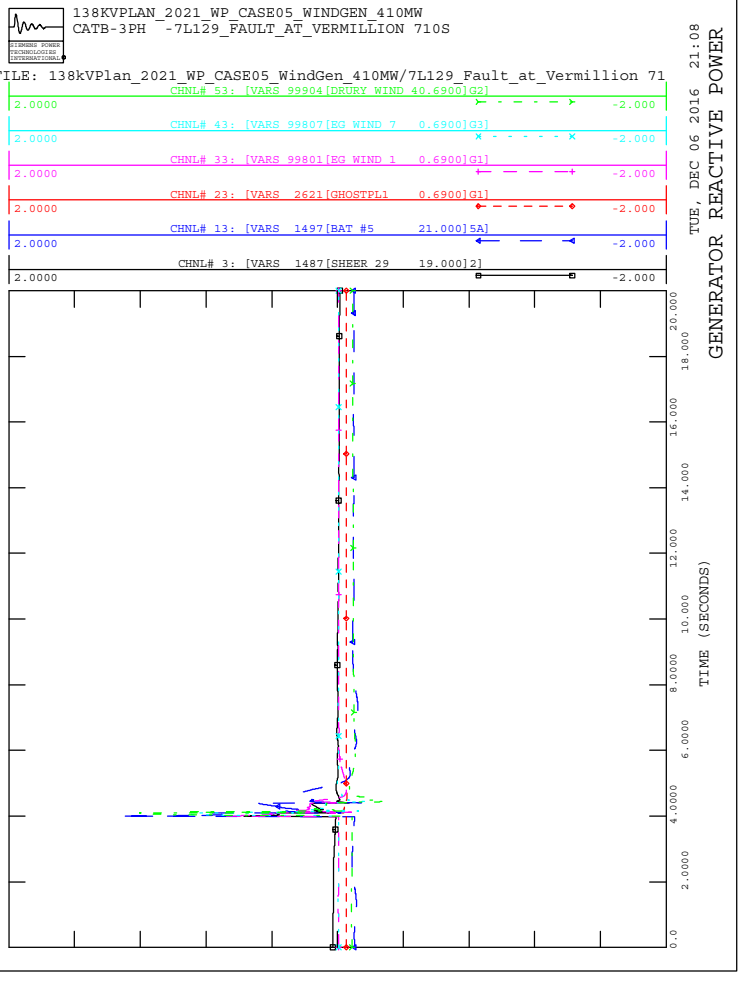
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

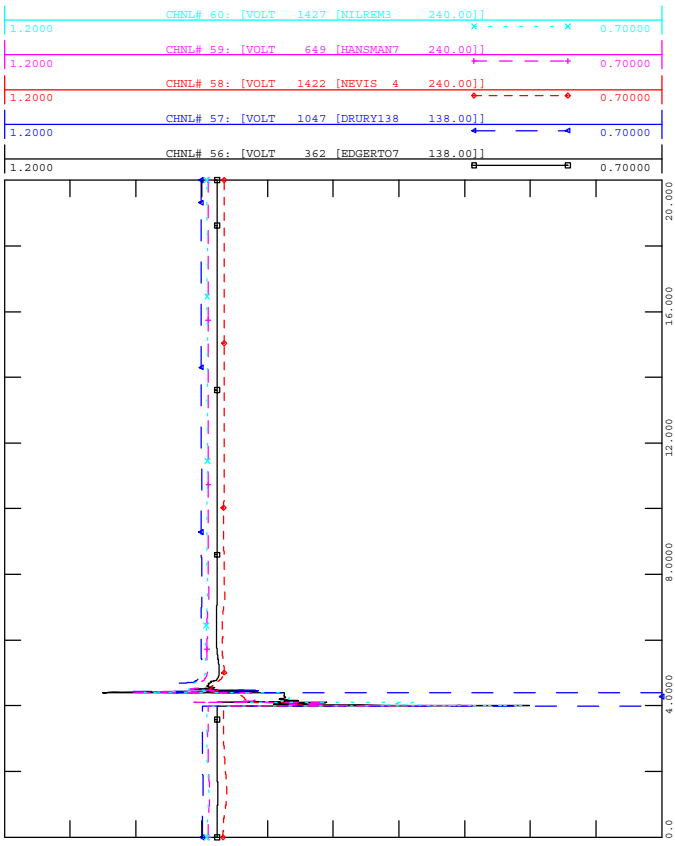

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek

TUE, DEC 06 2016 21:08

BUS VOLTAGE

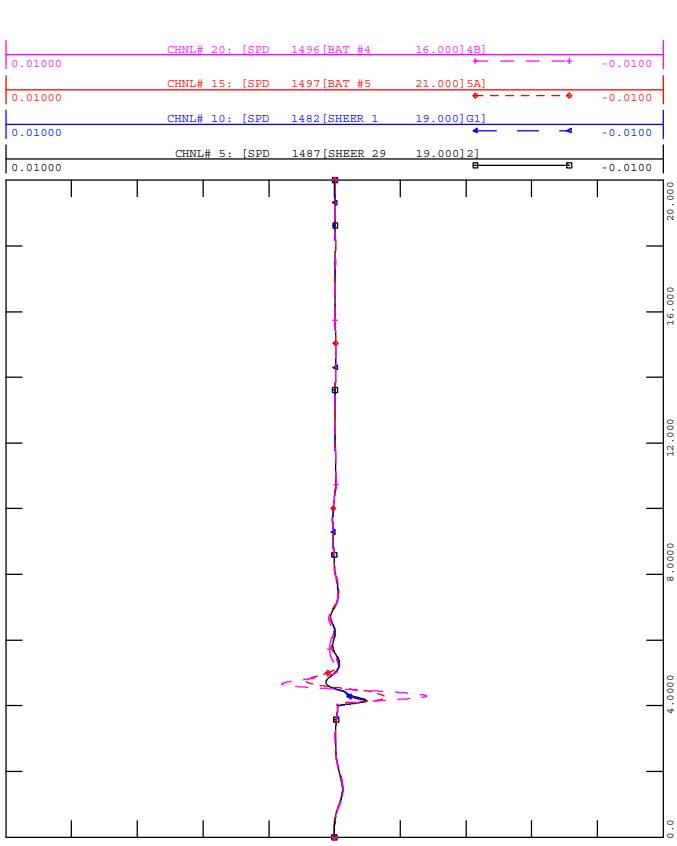


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek

TUE, DEC 06 2016 21:08

MACHINE SPEED

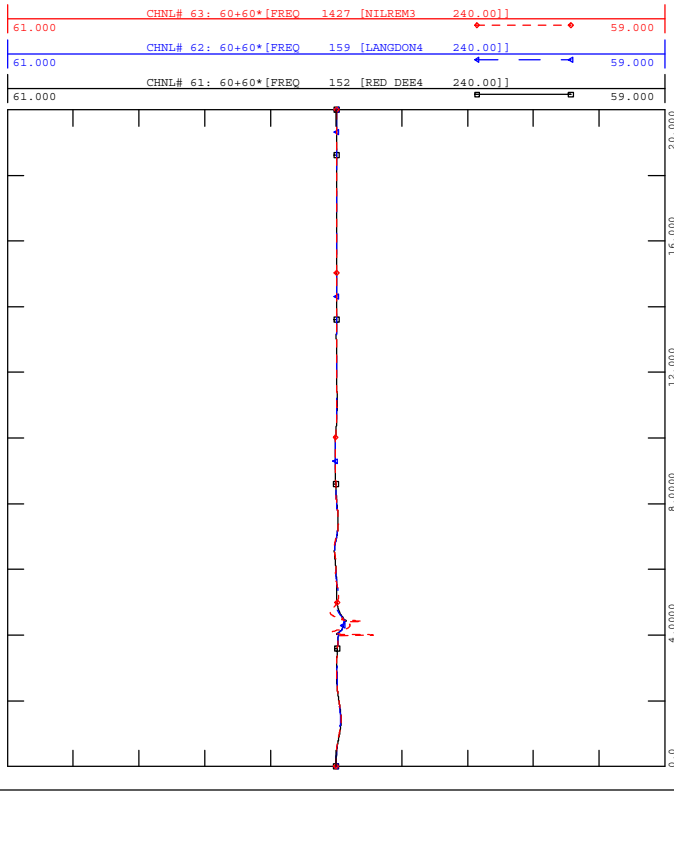


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek

TUE, DEC 06 2016 21:08

FREQUENCY

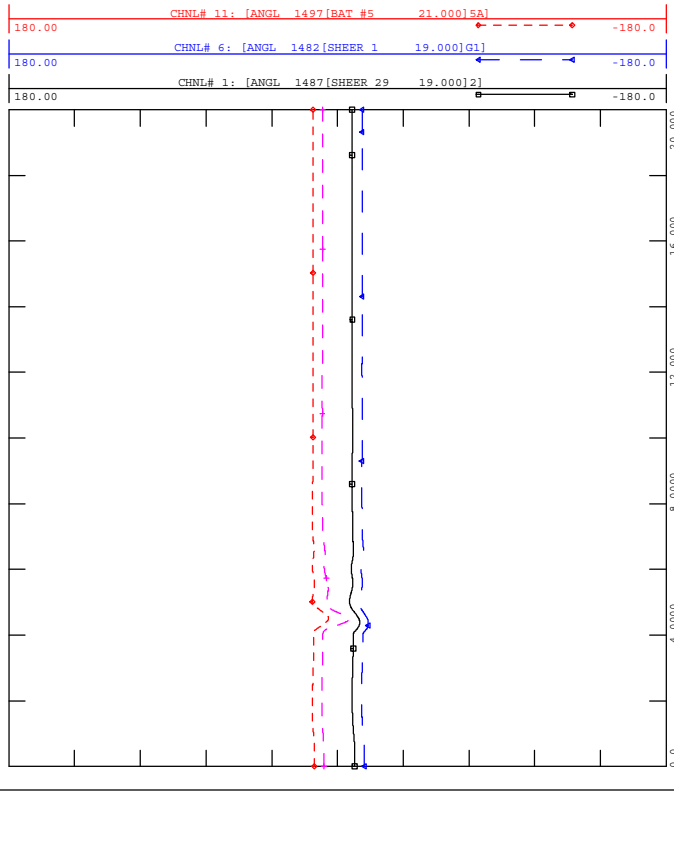


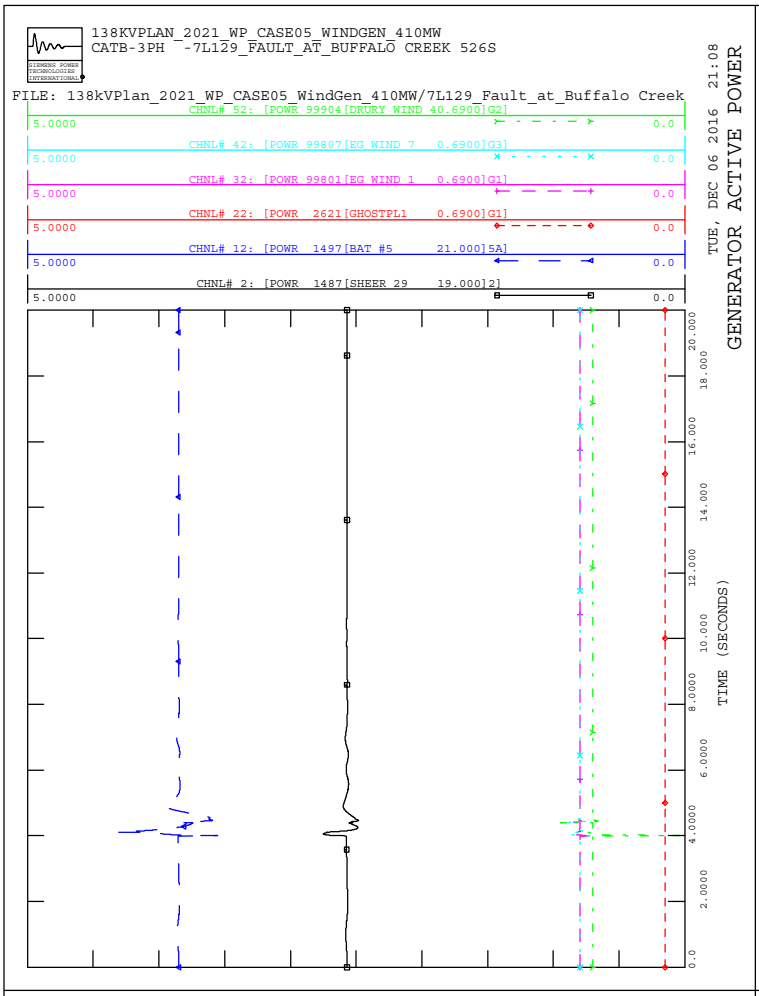
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

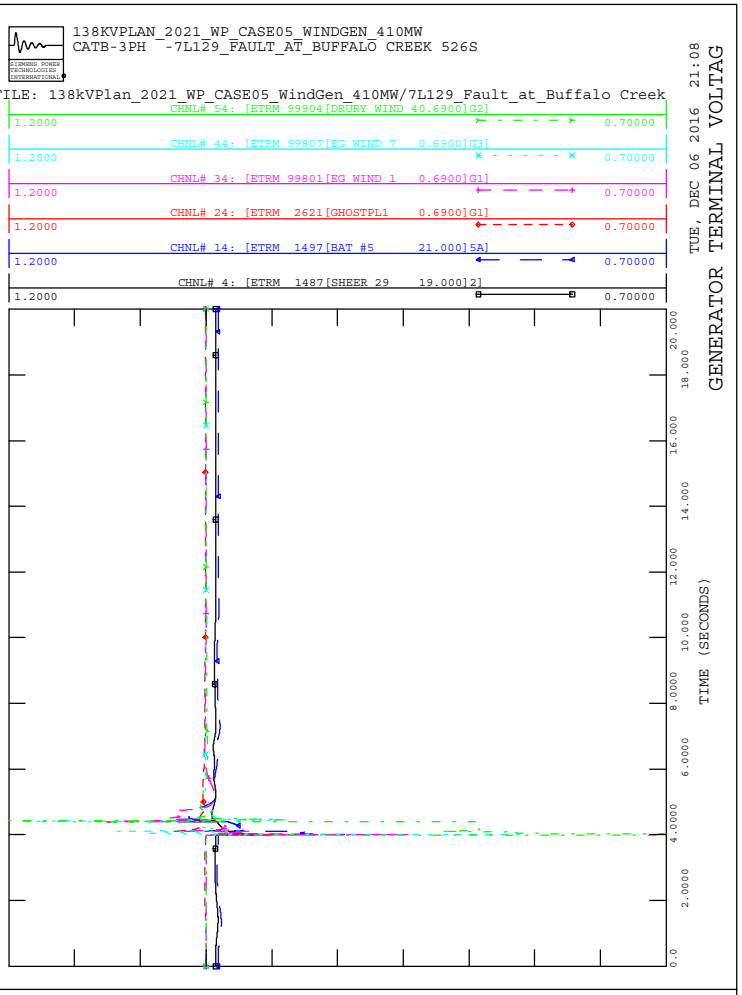
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek

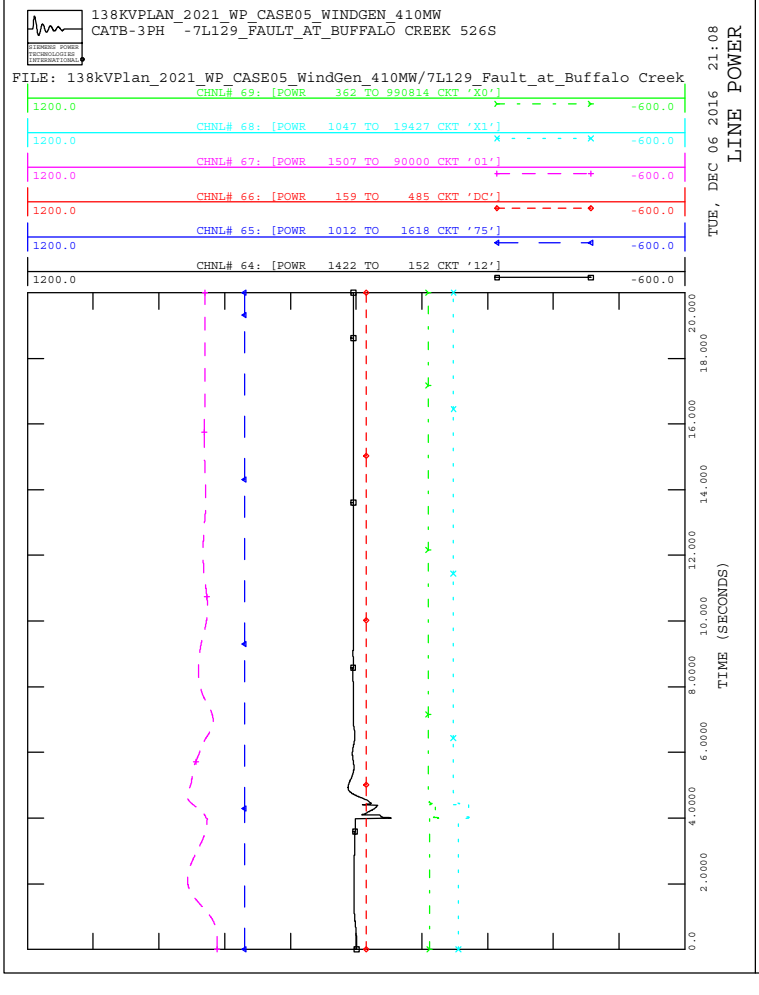
TUE, DEC 06 2016 21:08

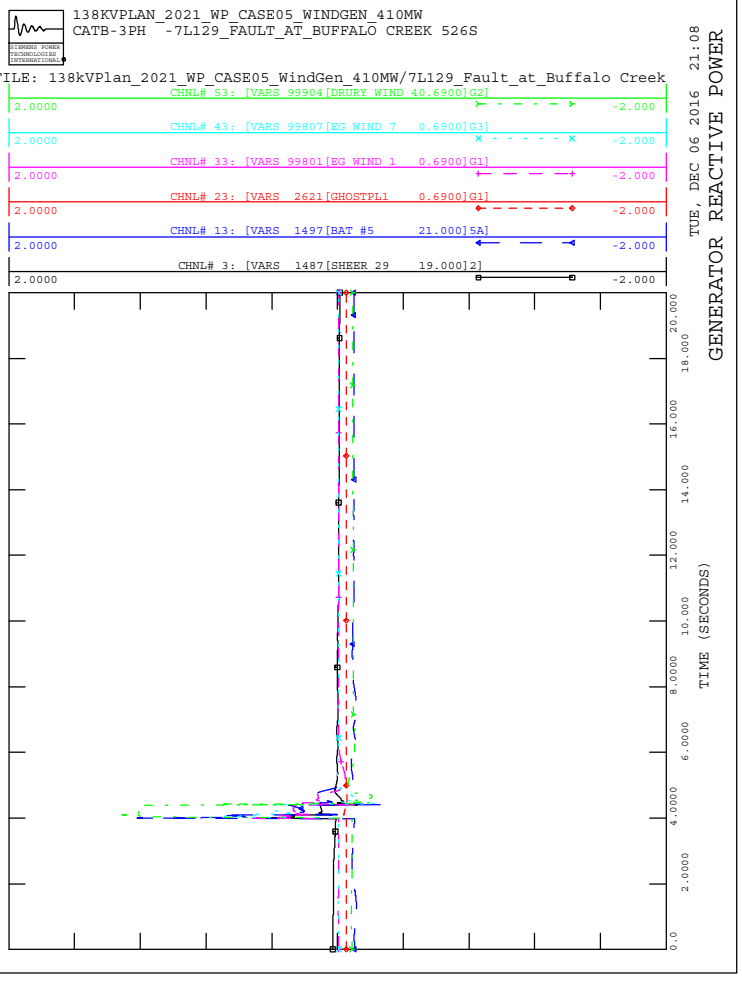
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

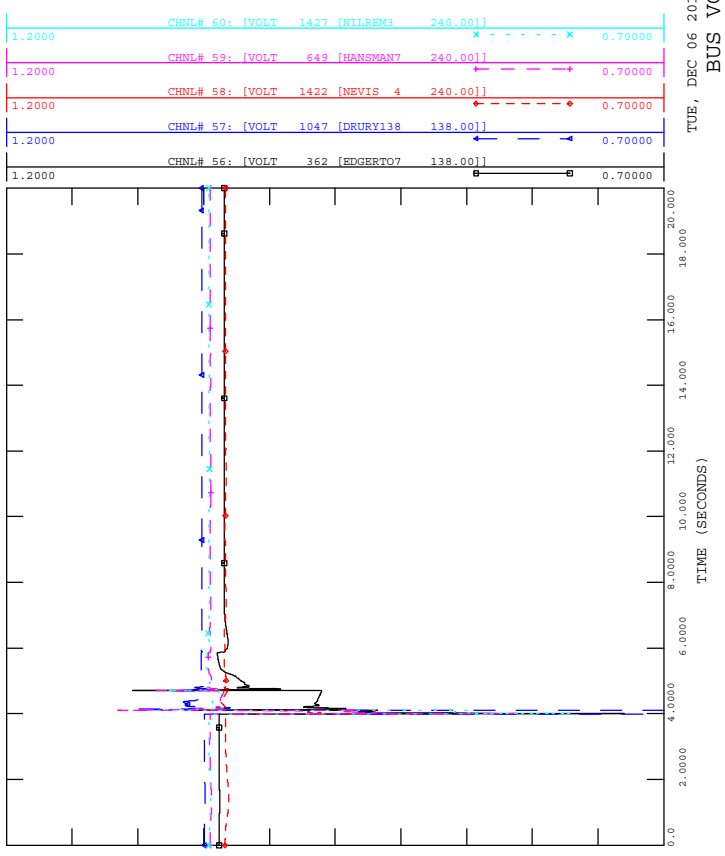

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

BUS VOLTAGE

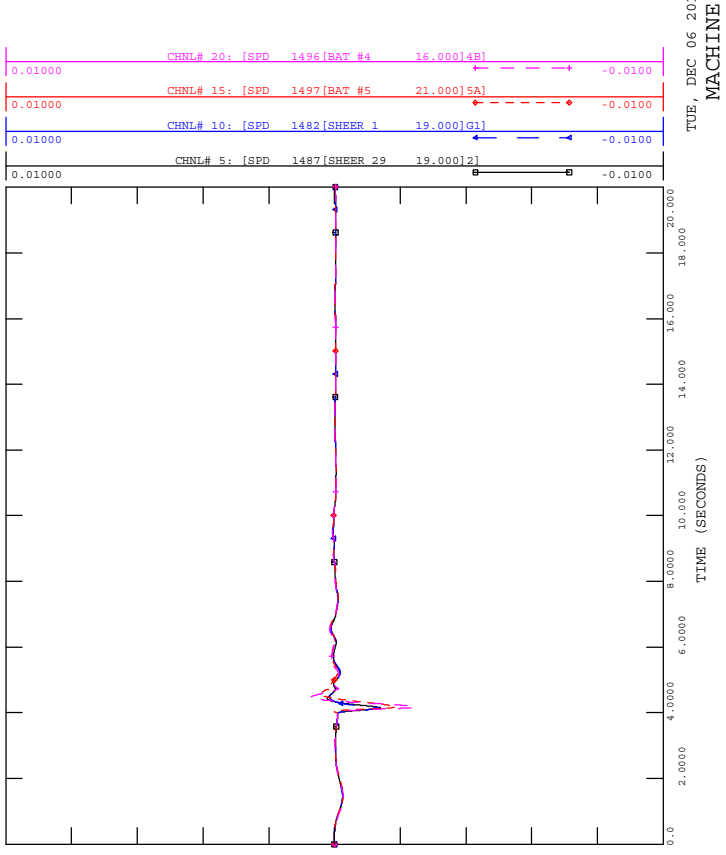


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

MACHINE SPEED

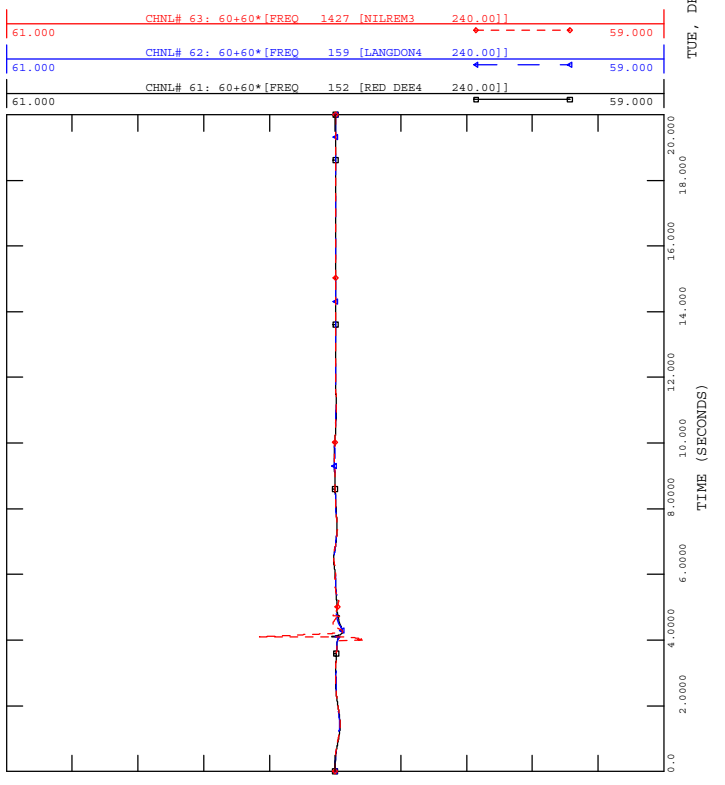


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

FREQUENCY

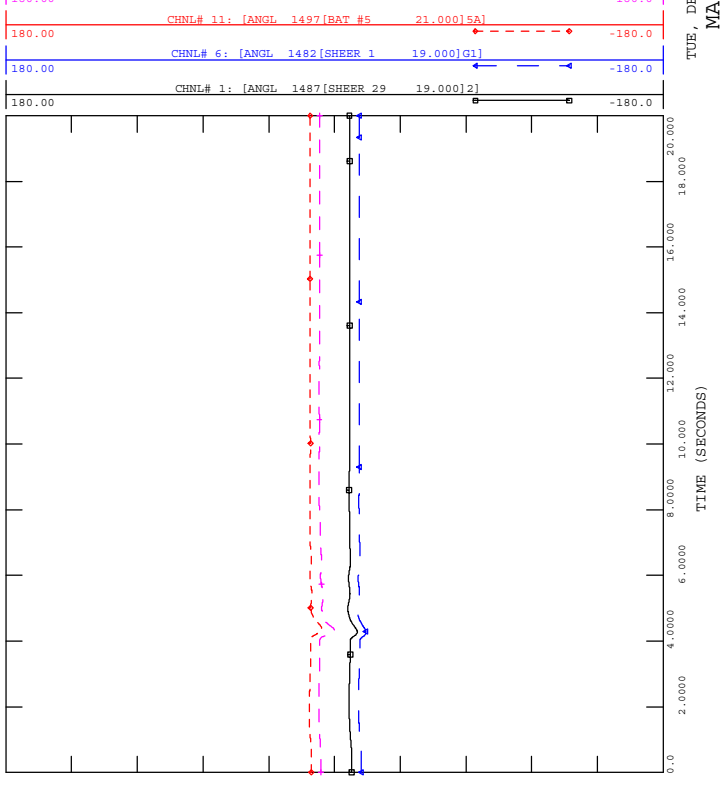


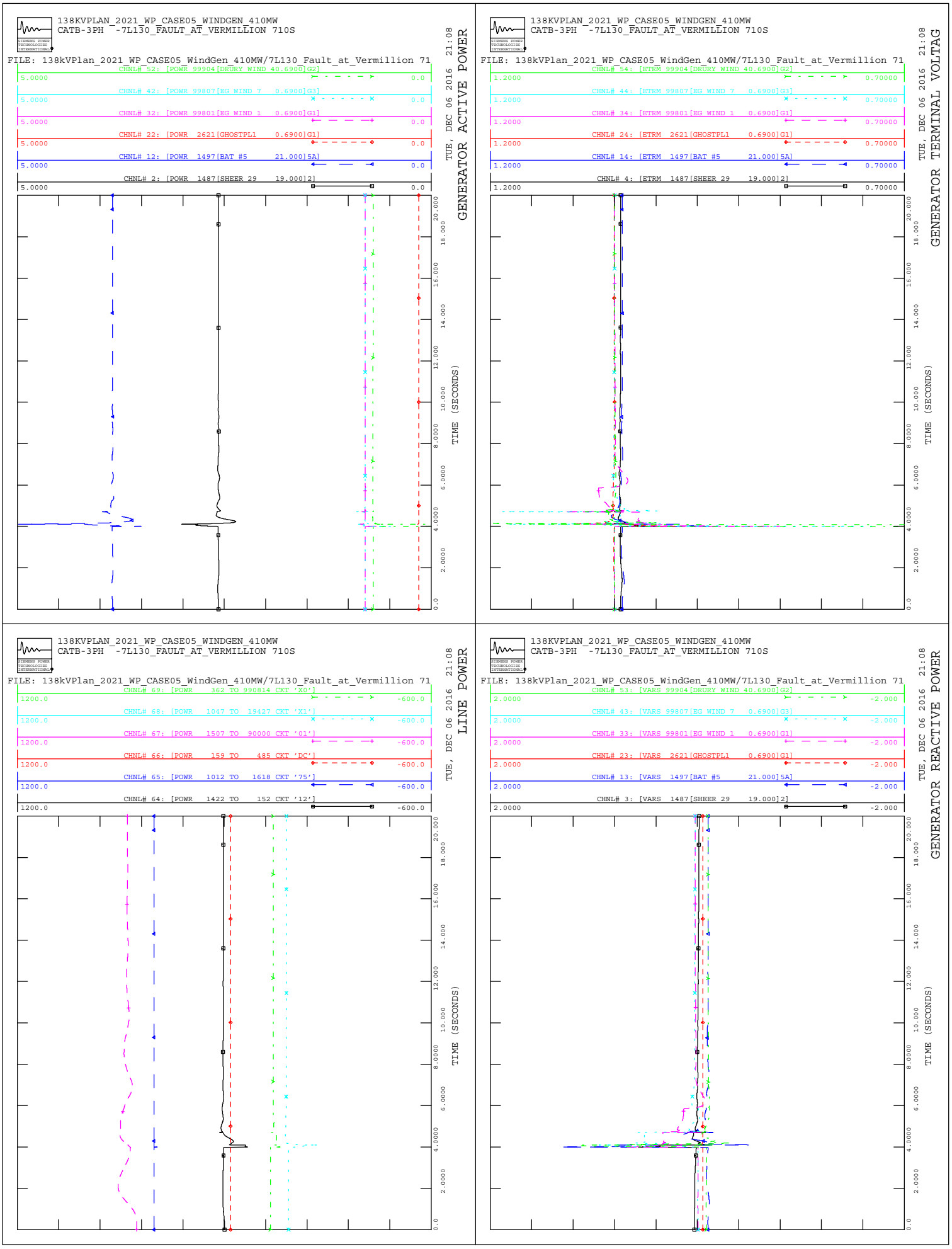
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

MACHINE ANGLE



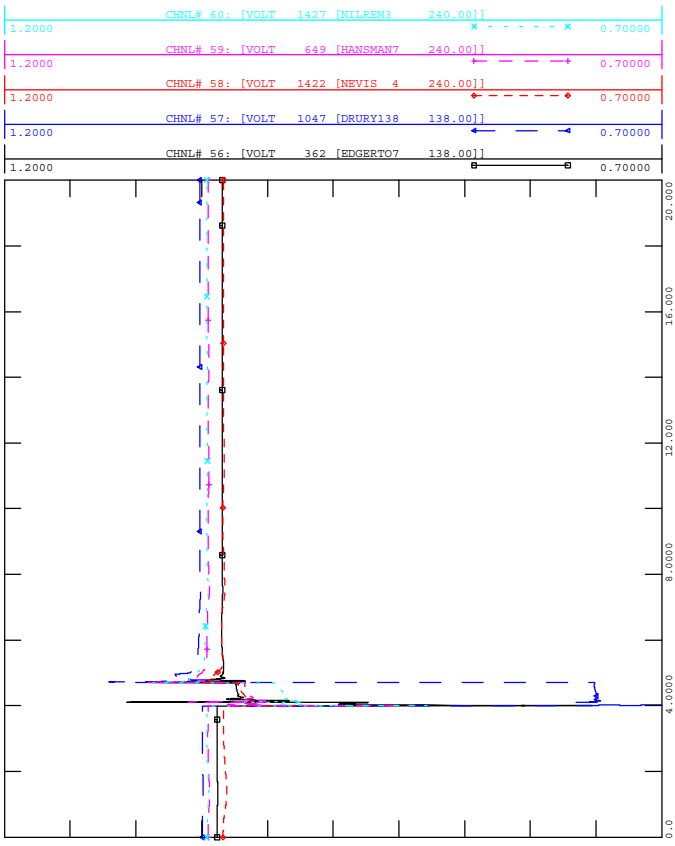

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:08

BUS VOLTAGE

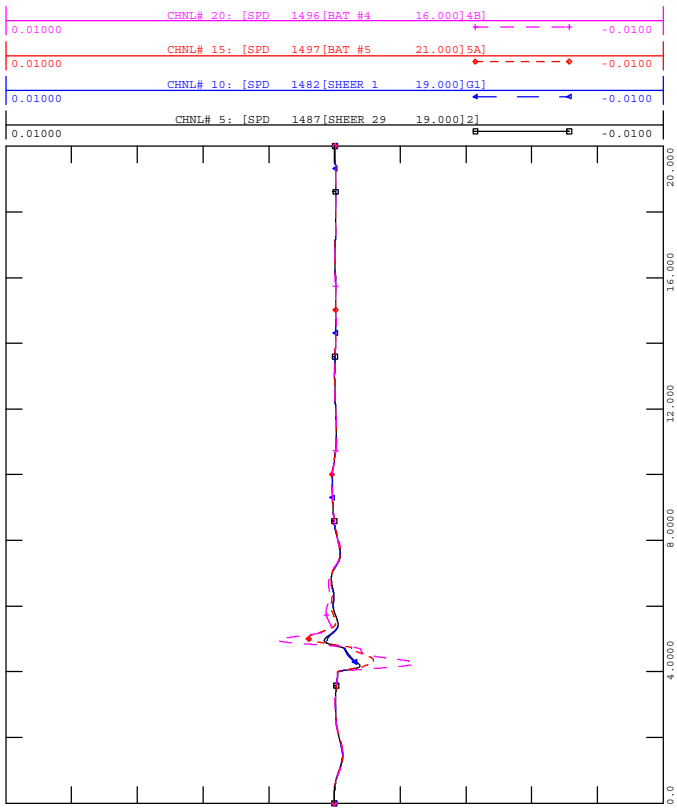


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:08

MACHINE SPEED

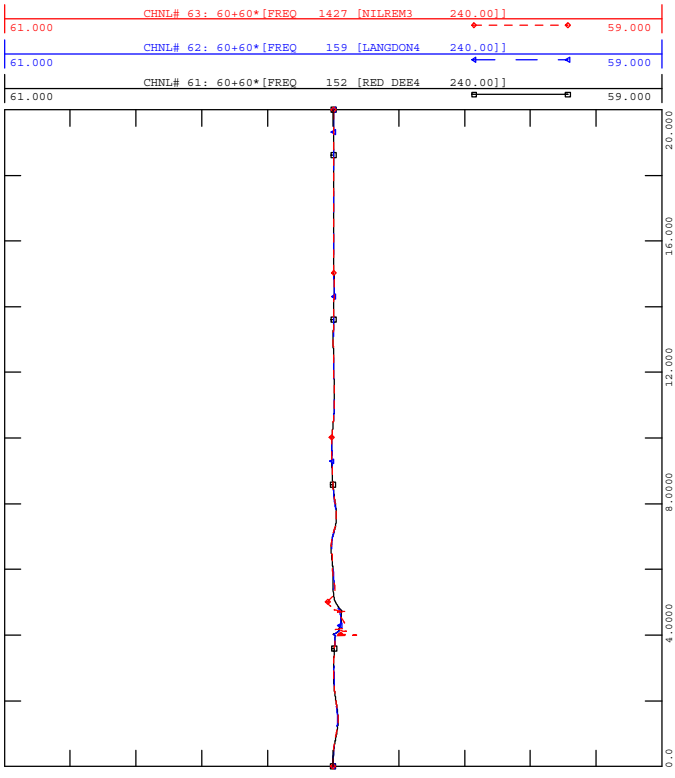


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:08

FREQUENCY

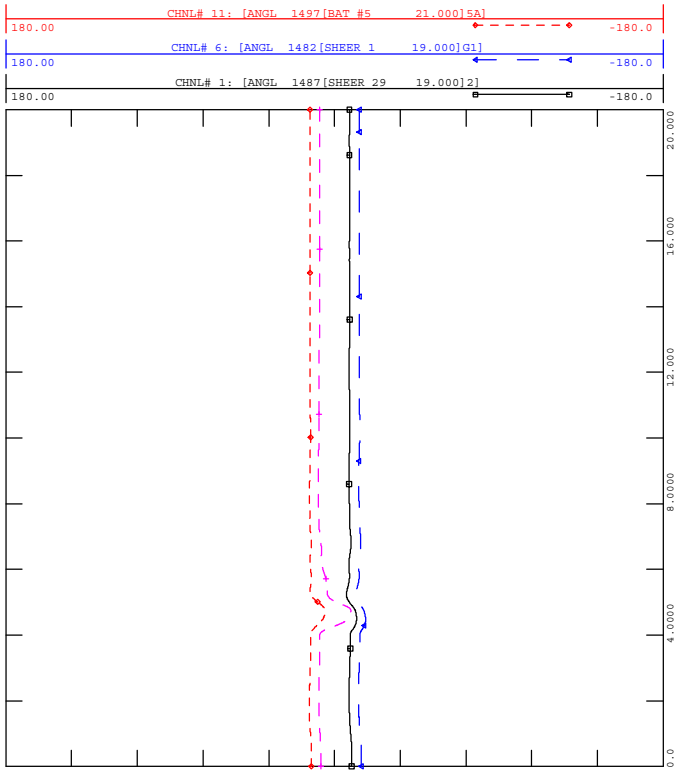


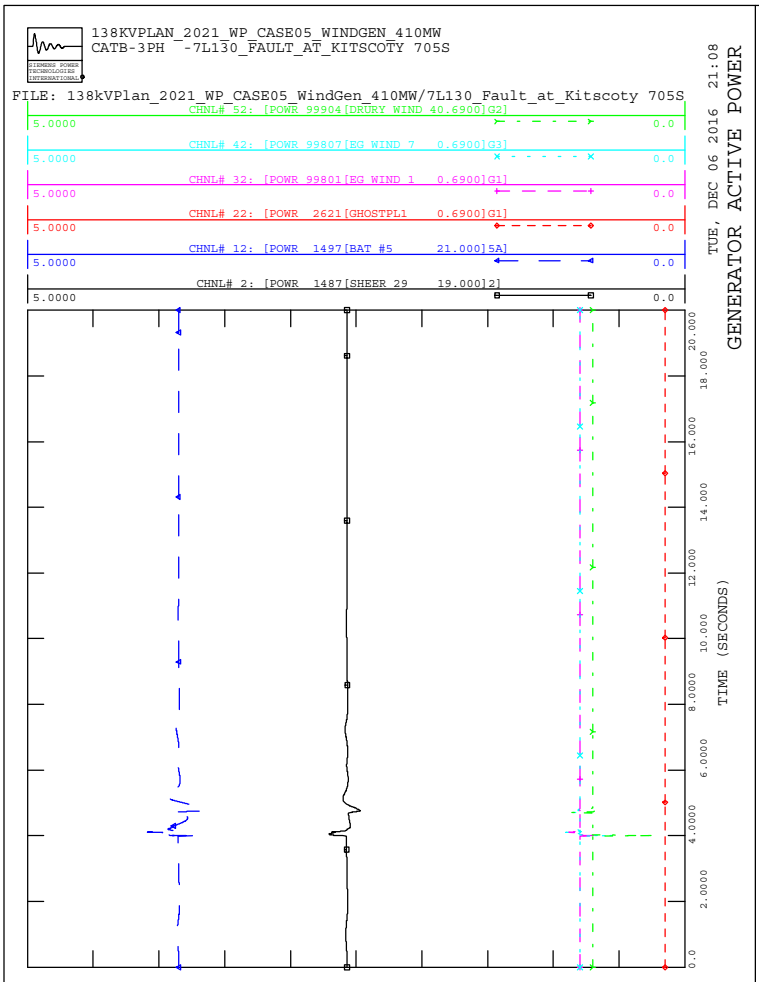
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

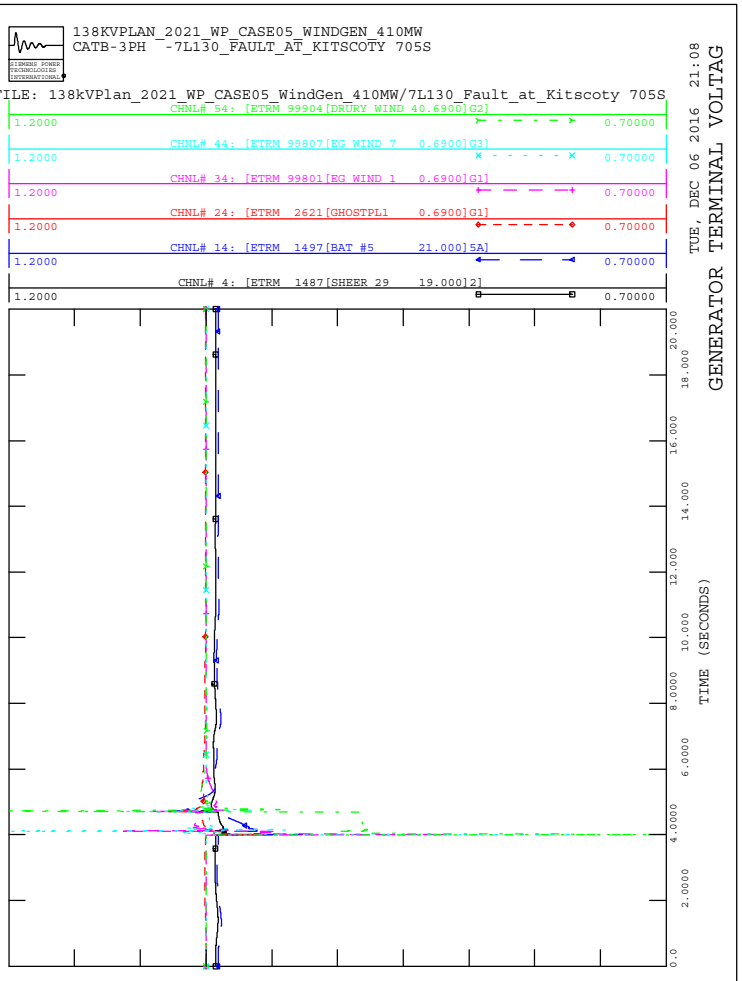
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
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4.0000
6.0000
8.0000
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12.000
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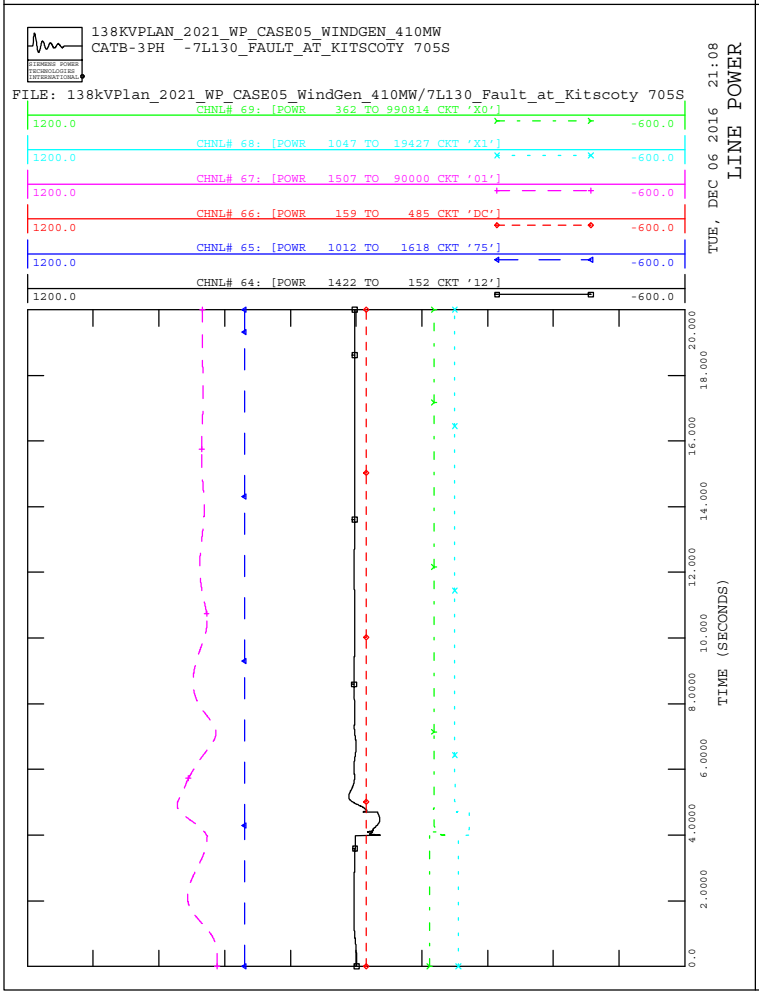
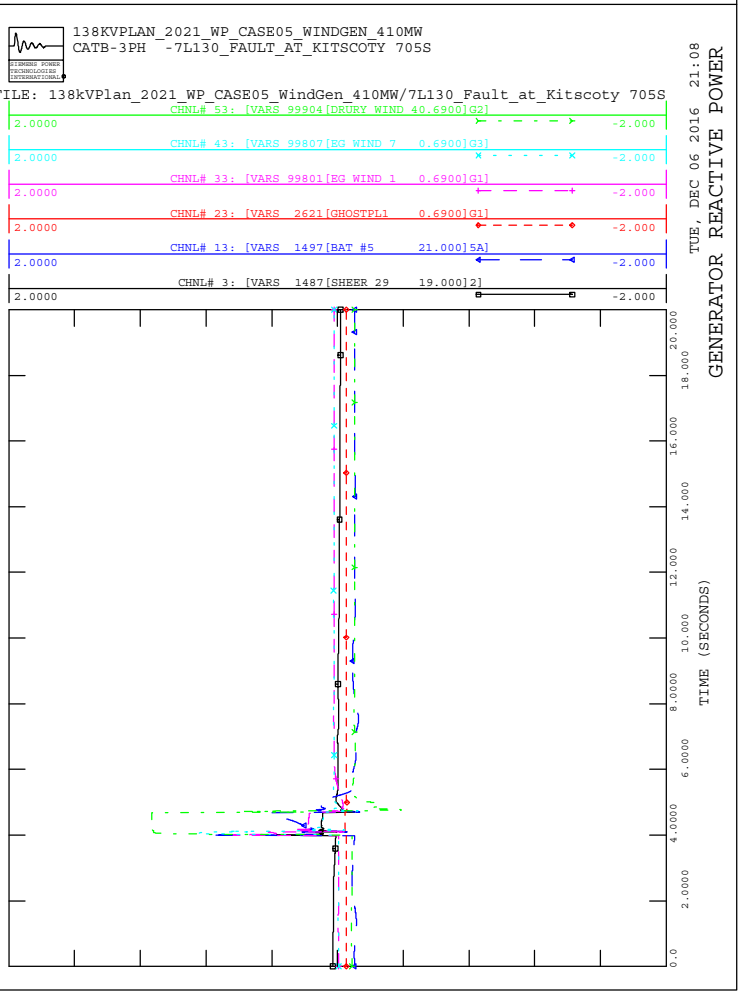
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

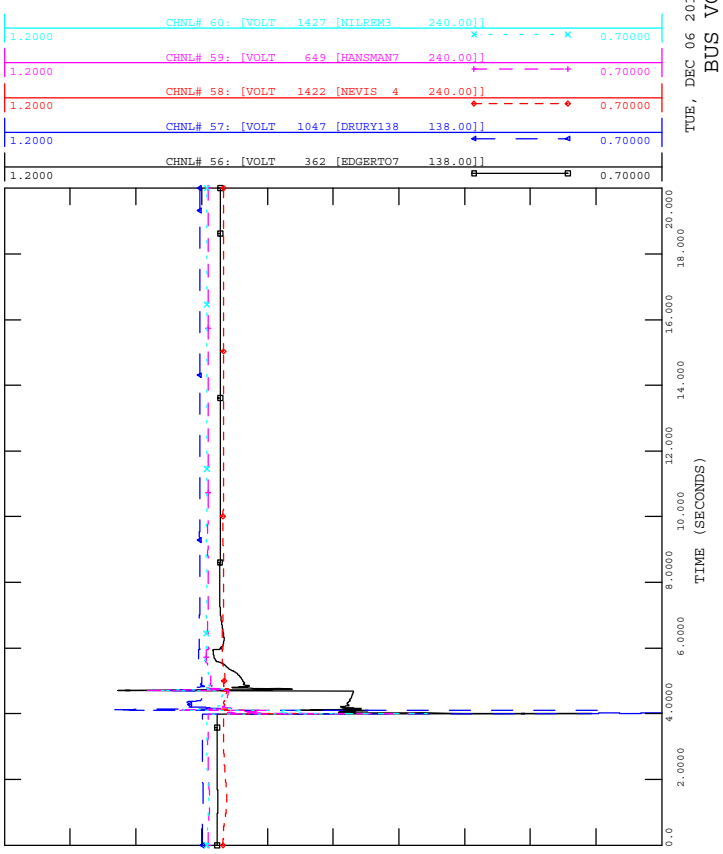

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:08

BUS VOLTAGE

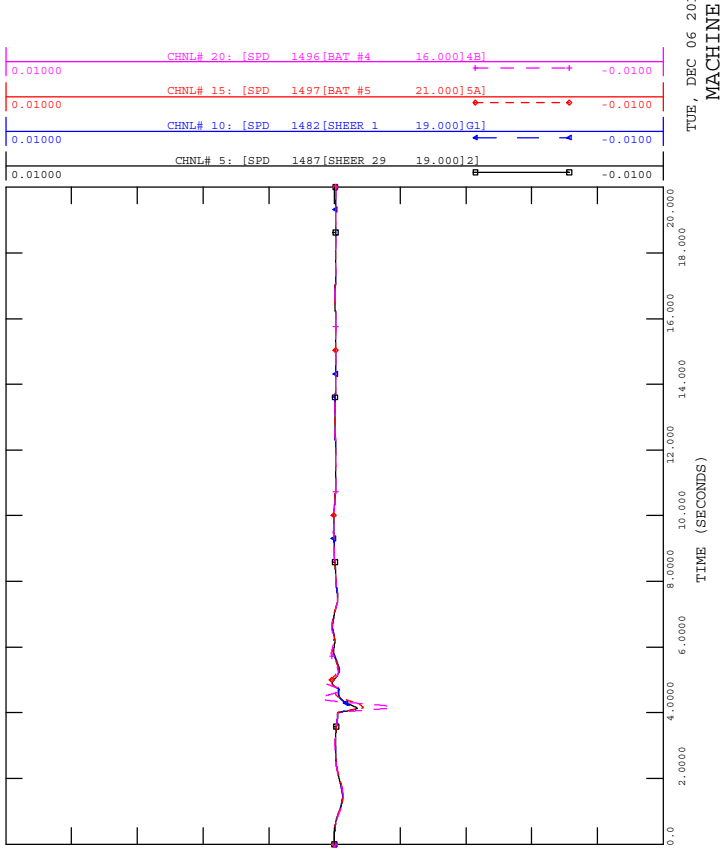


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:08

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:08

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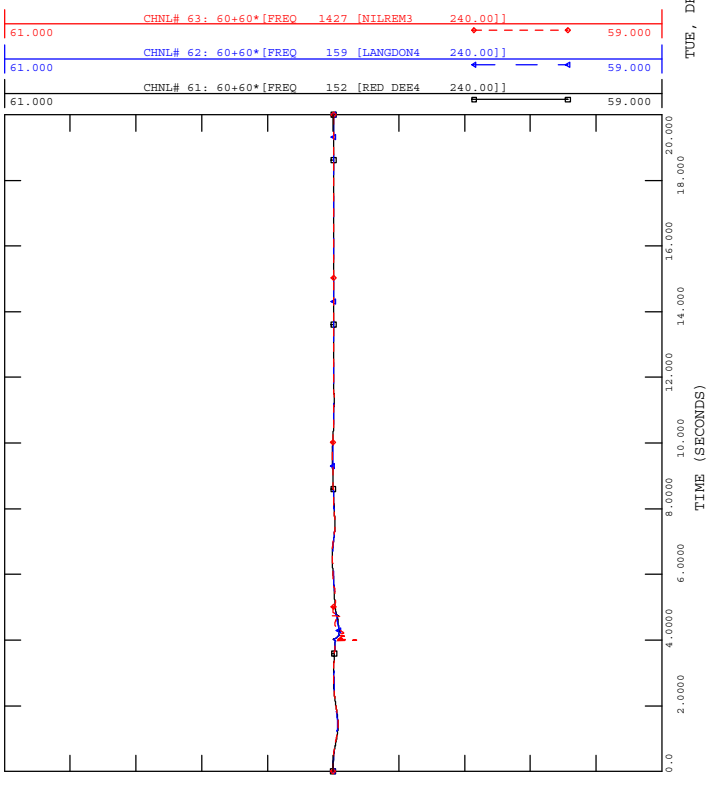
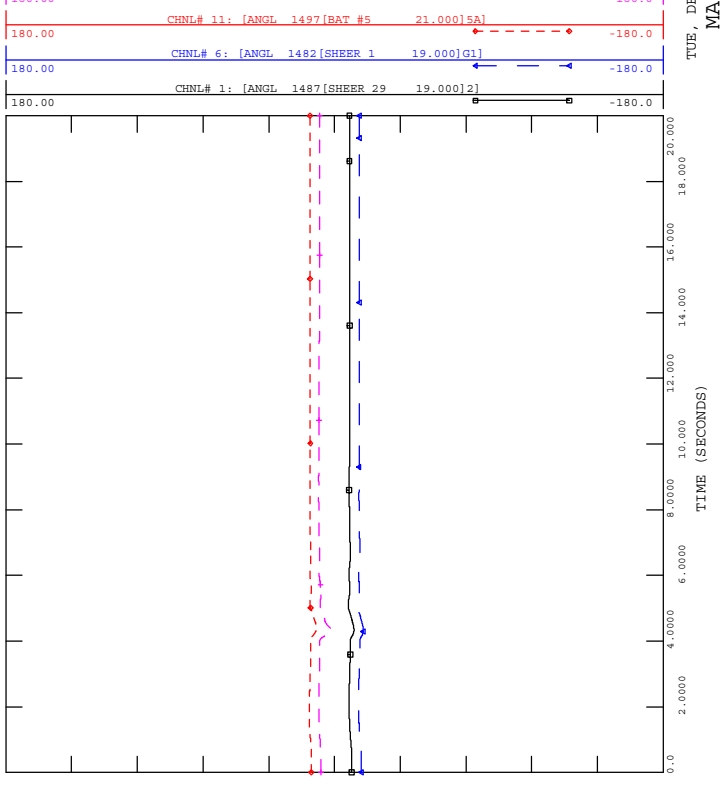


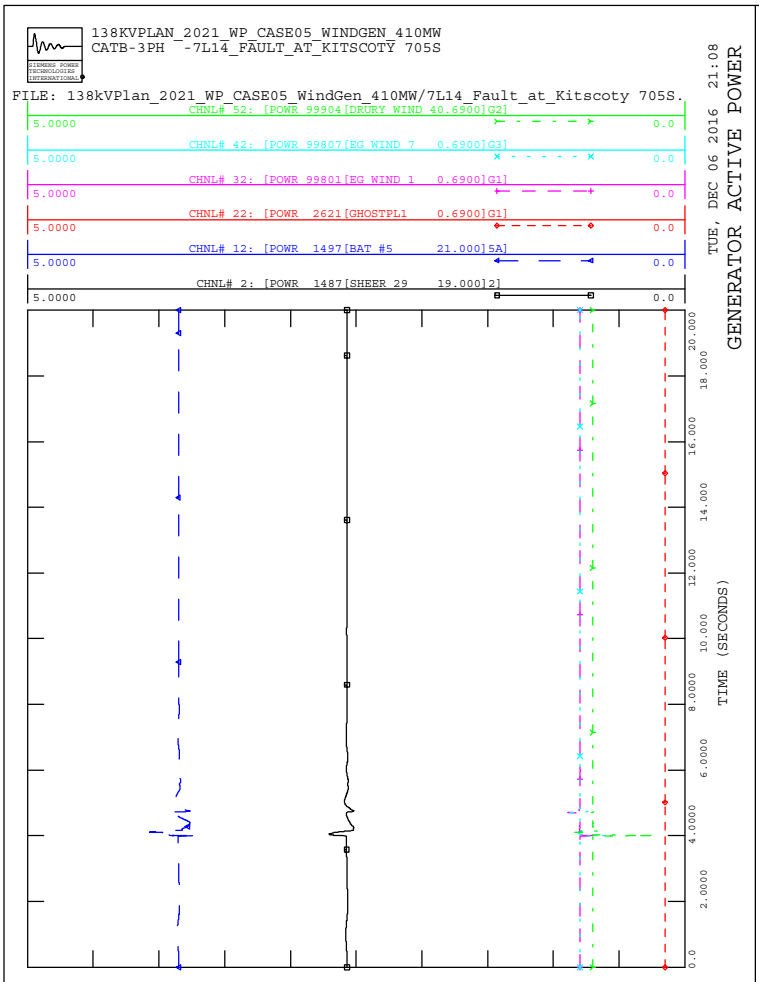
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

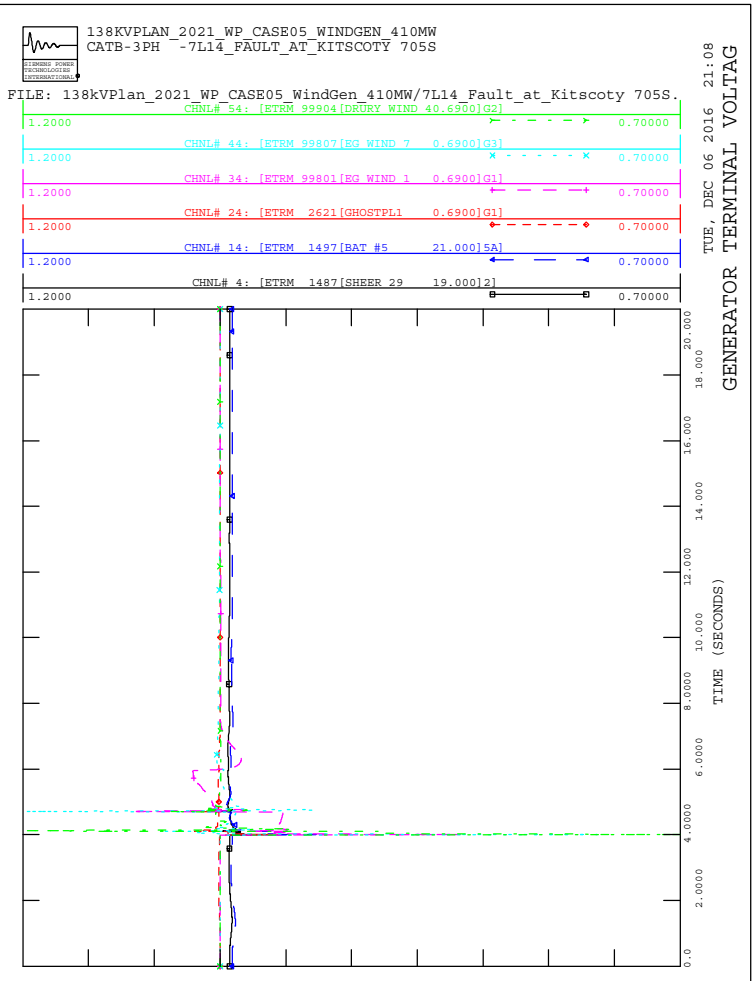
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)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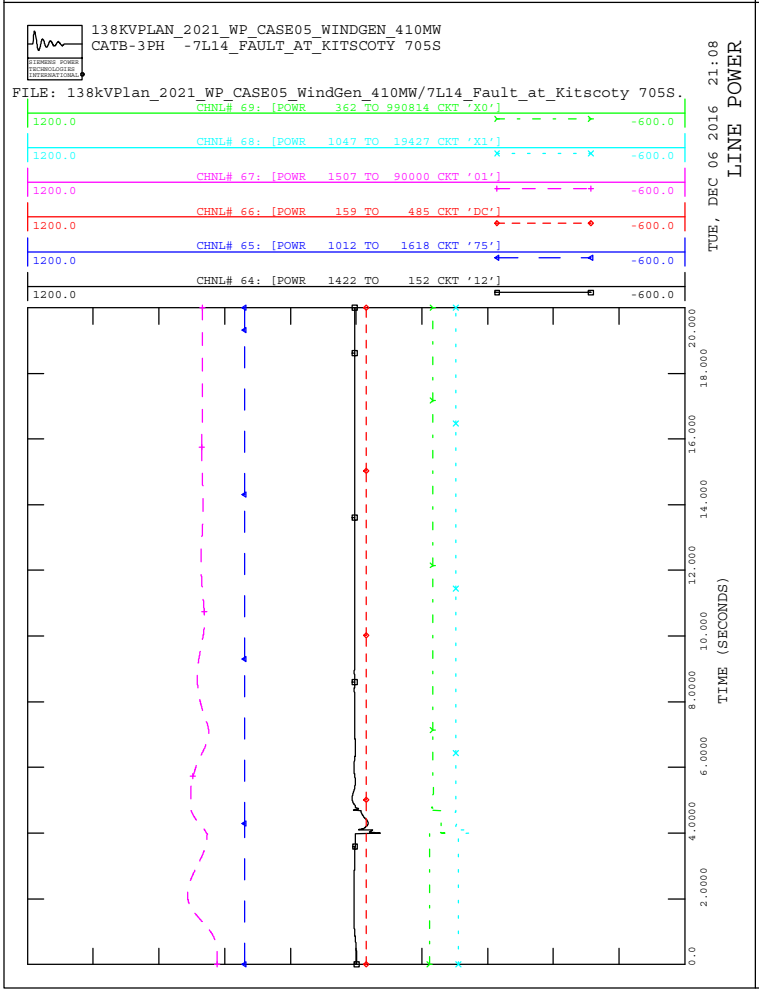
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)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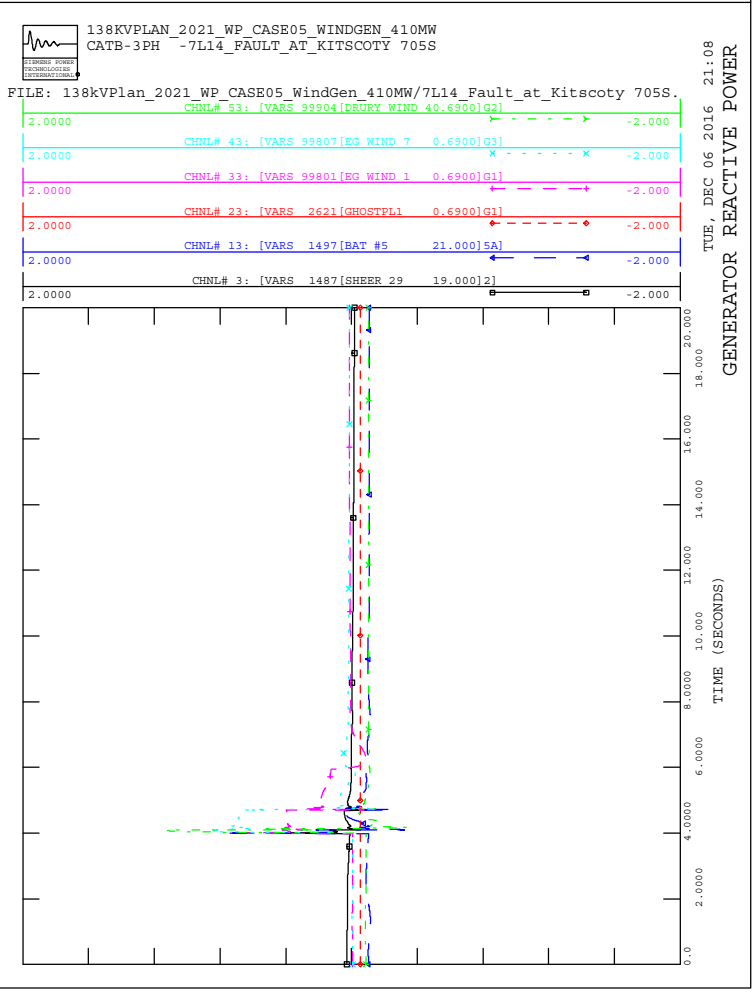
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:08

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:08

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:08

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

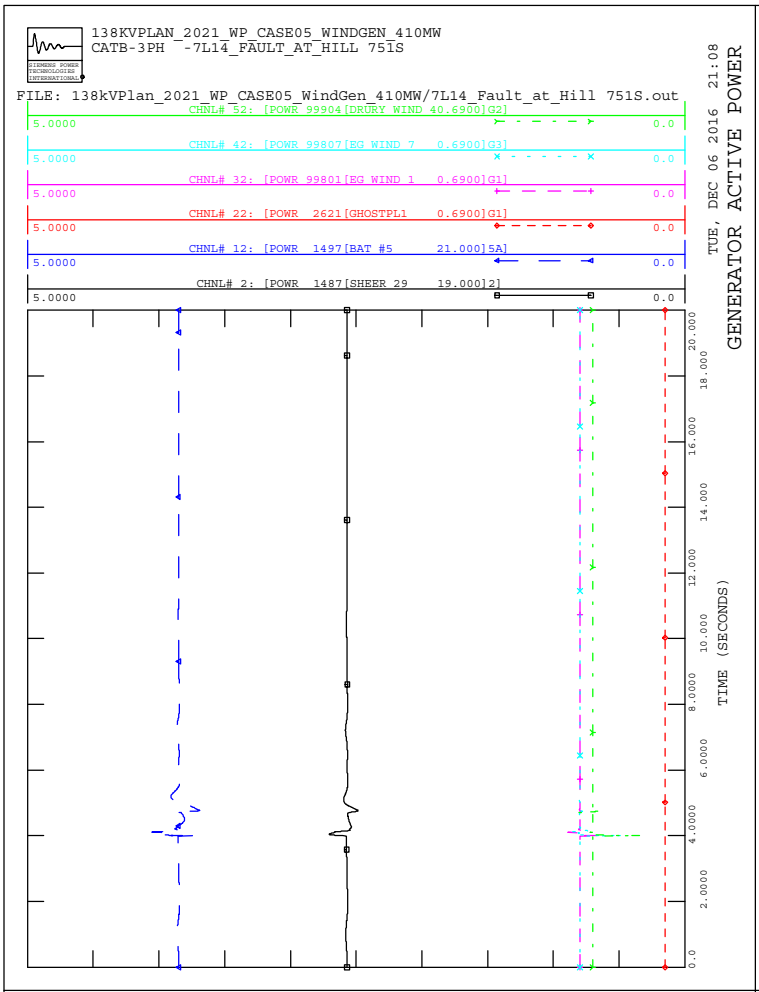
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out

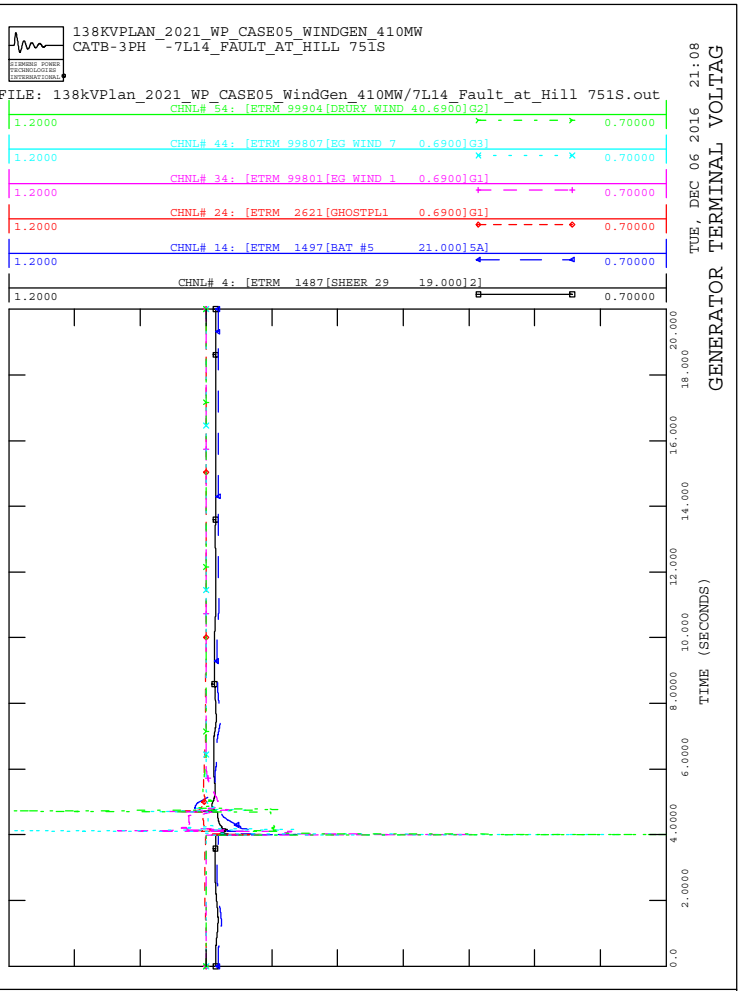
TUE, DEC 06 2016 21:08

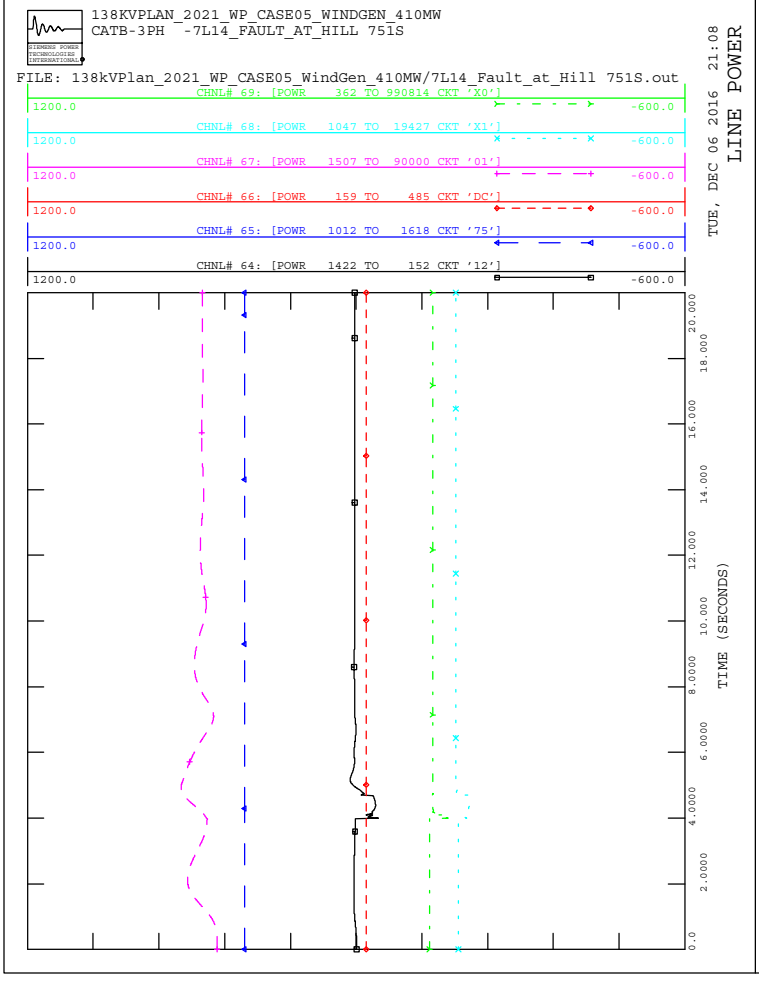
MACHINE ANGLE

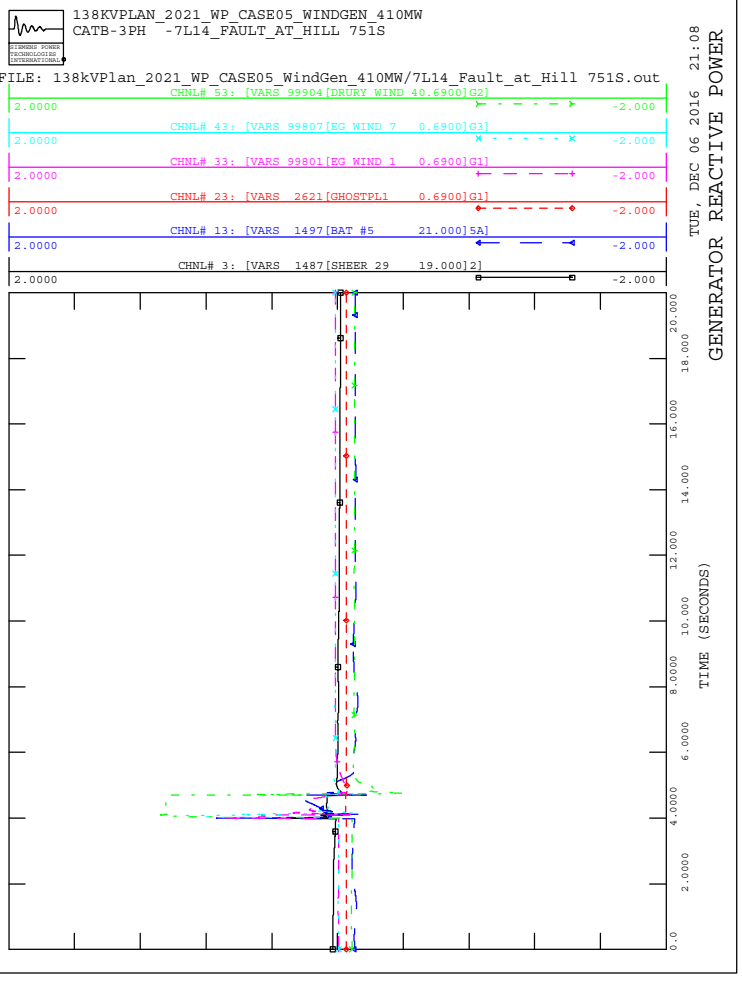
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

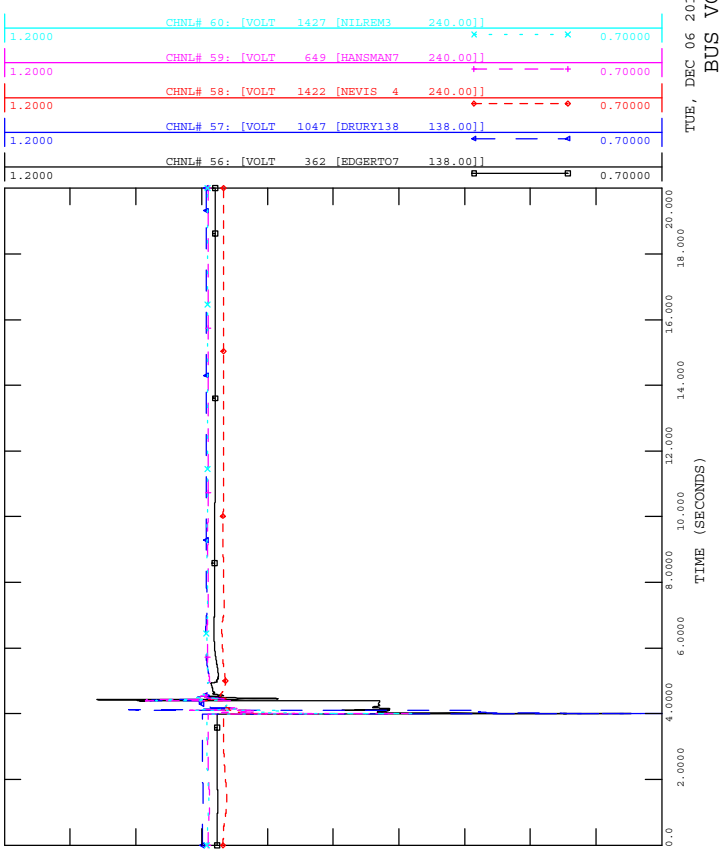

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:08

BUS VOLTAGE

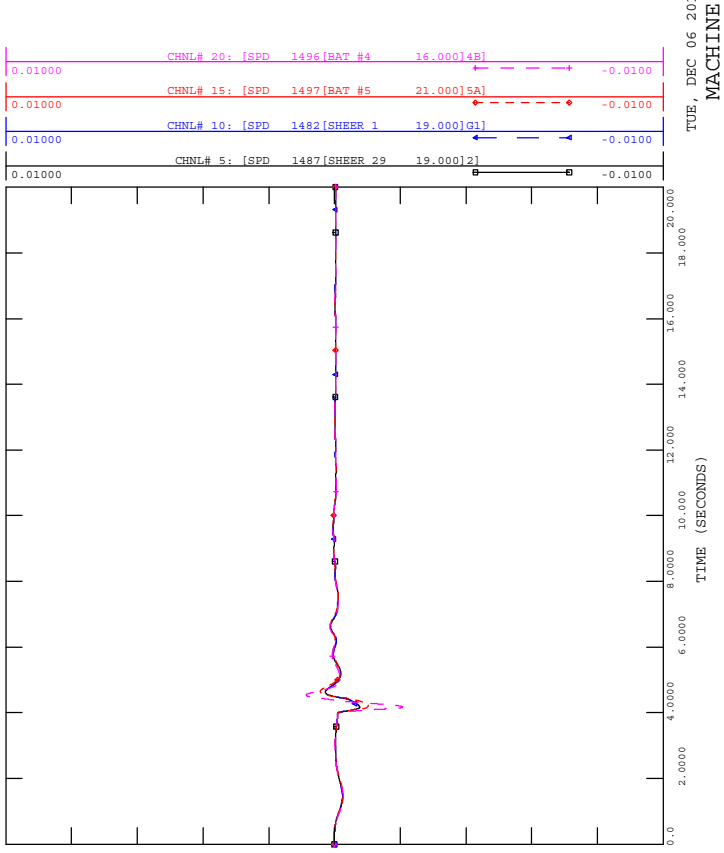


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:08

MACHINE SPEED

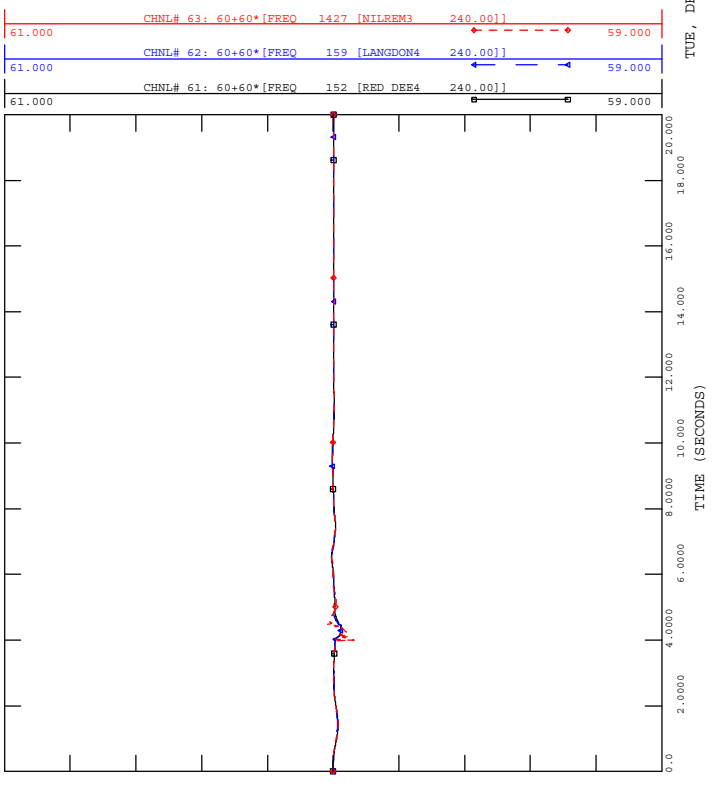


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:08

FREQUENCY

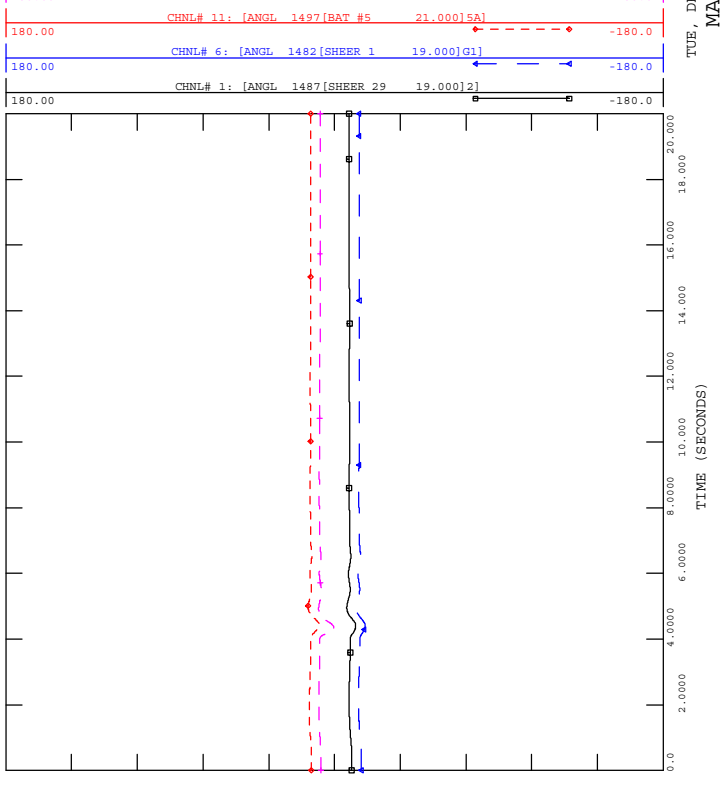


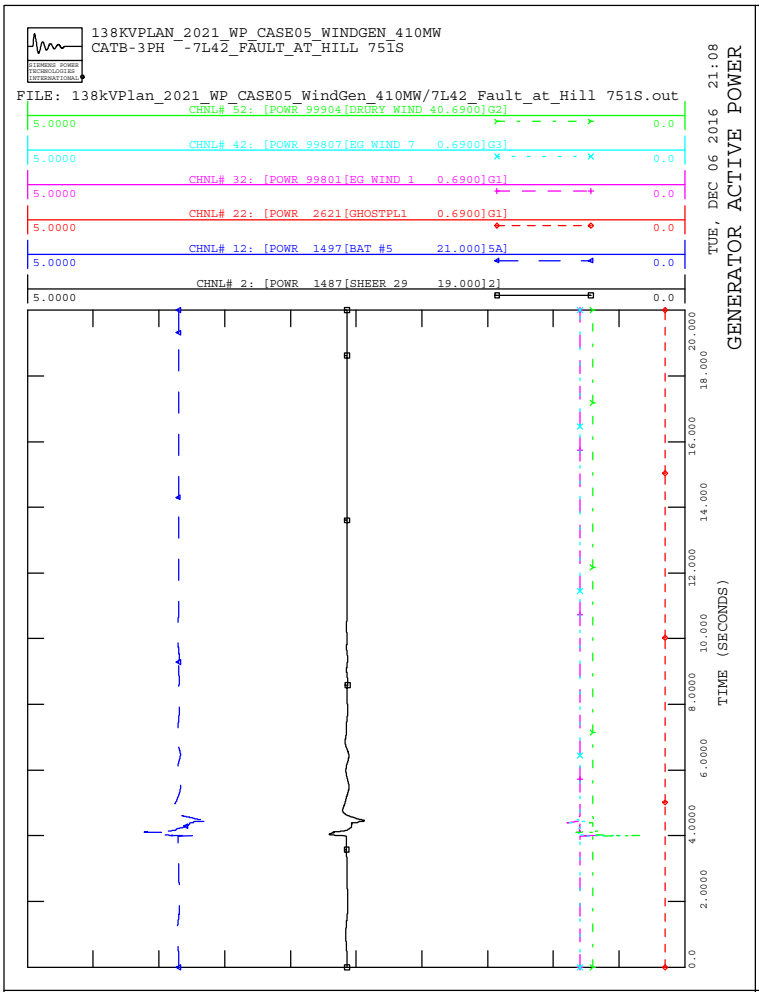
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

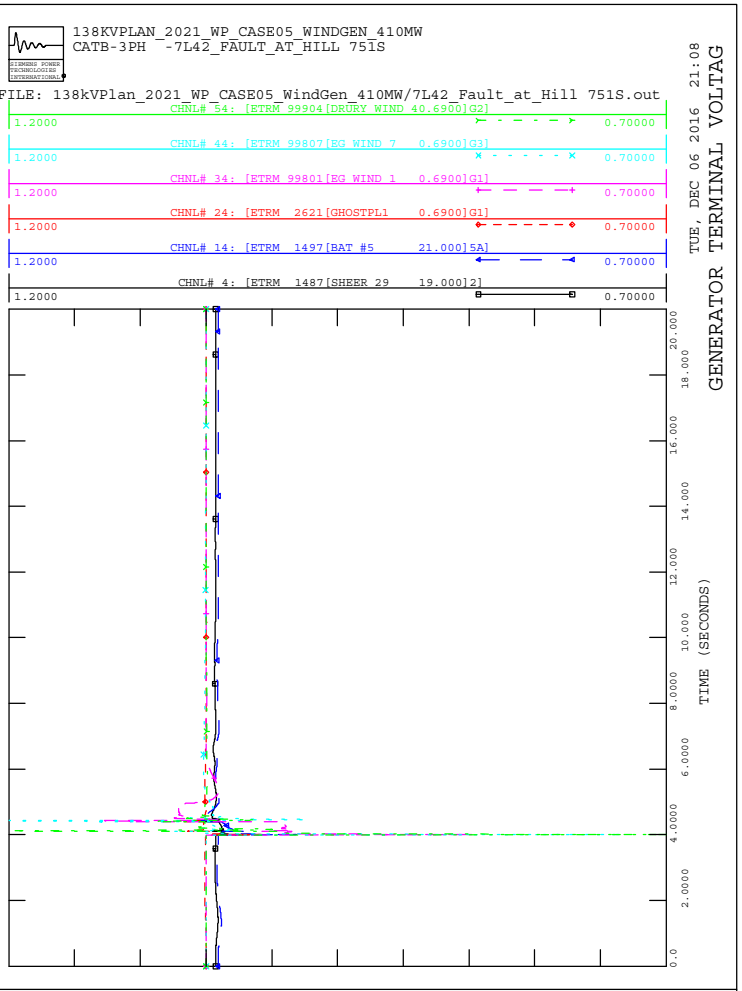
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out

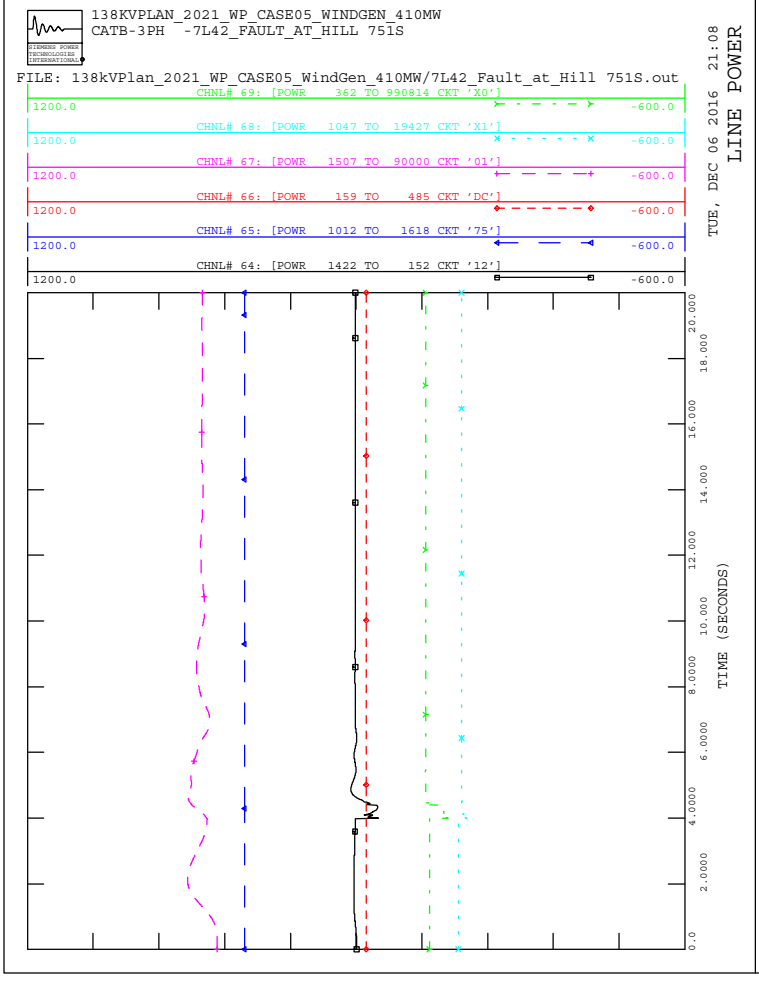
TUE, DEC 06 2016 21:08

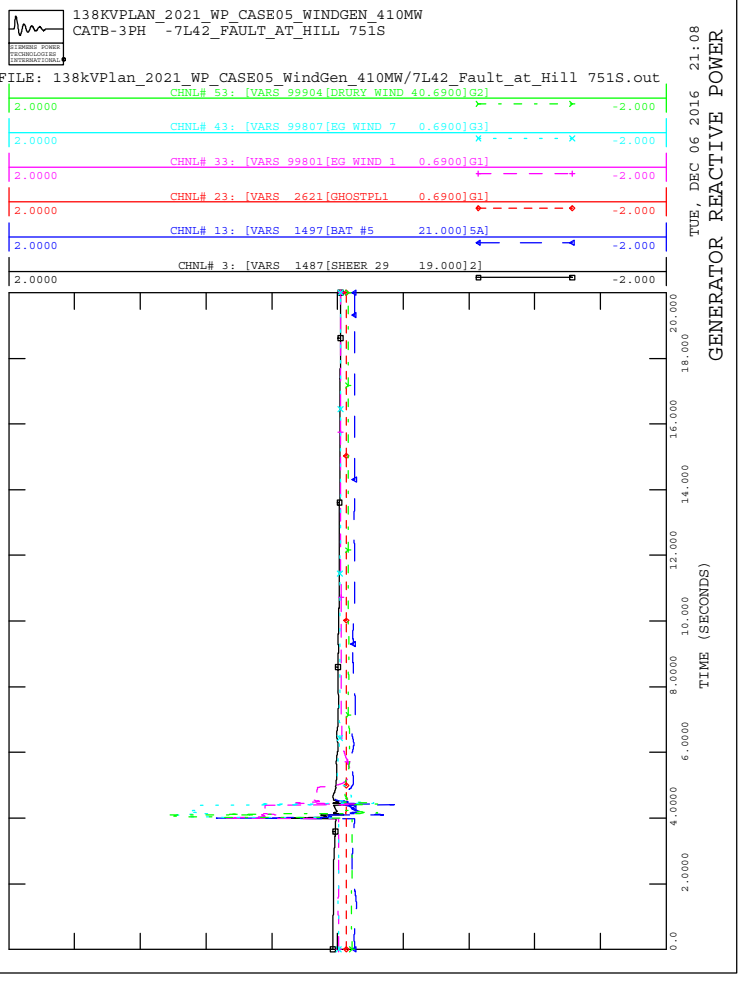
MACHINE ANGLE

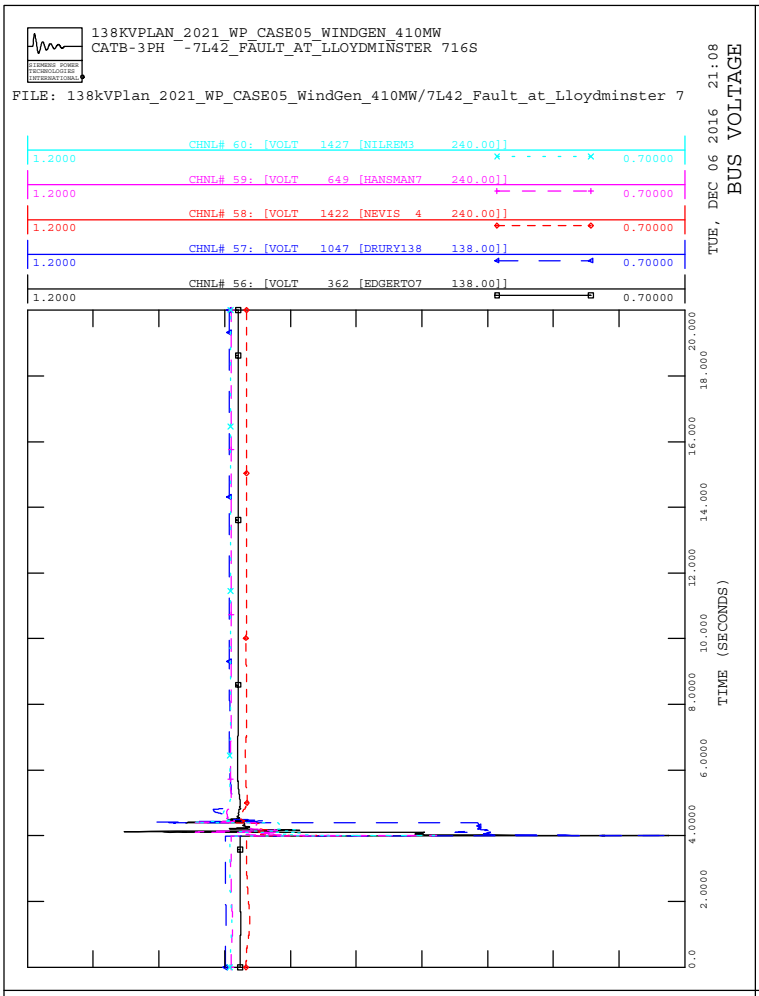


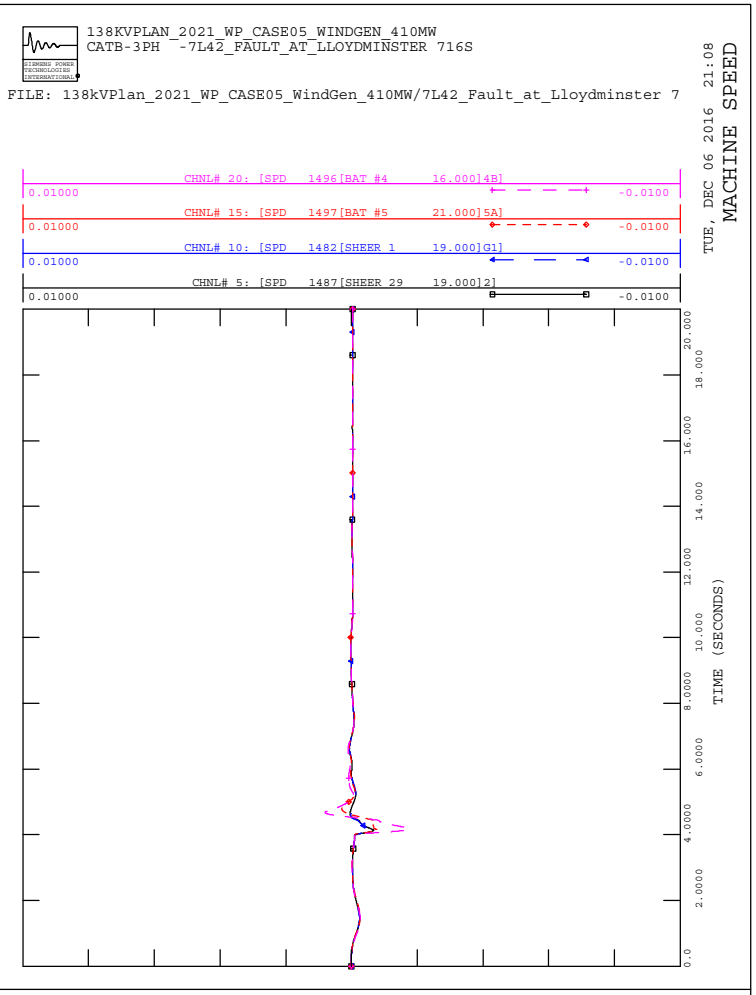

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)

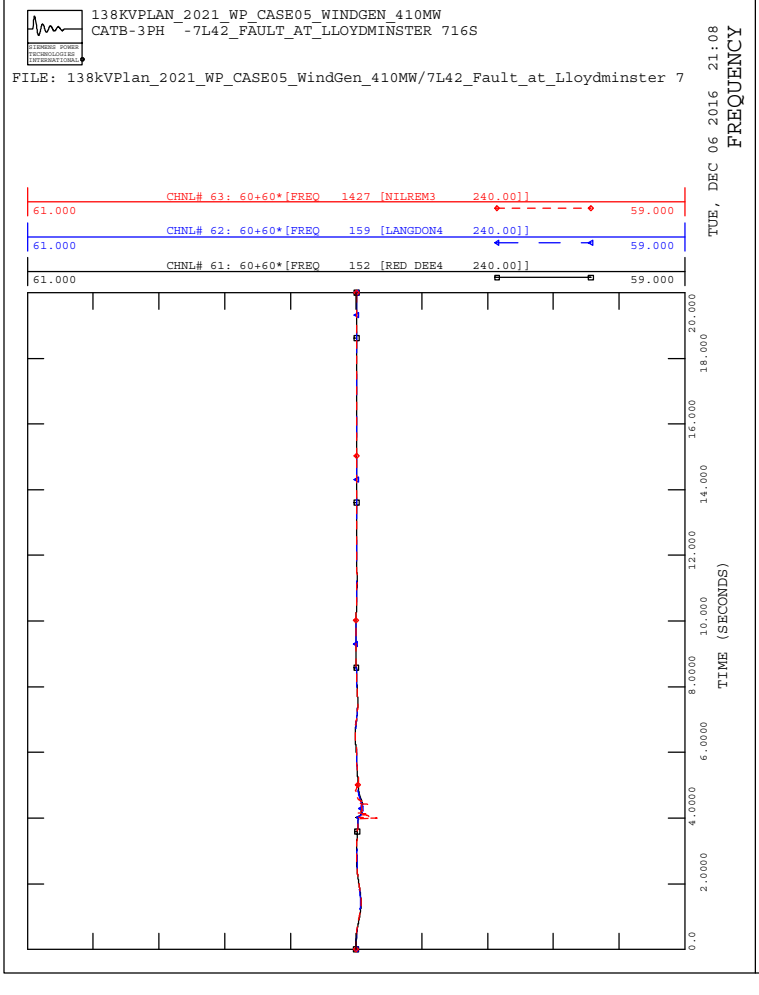

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

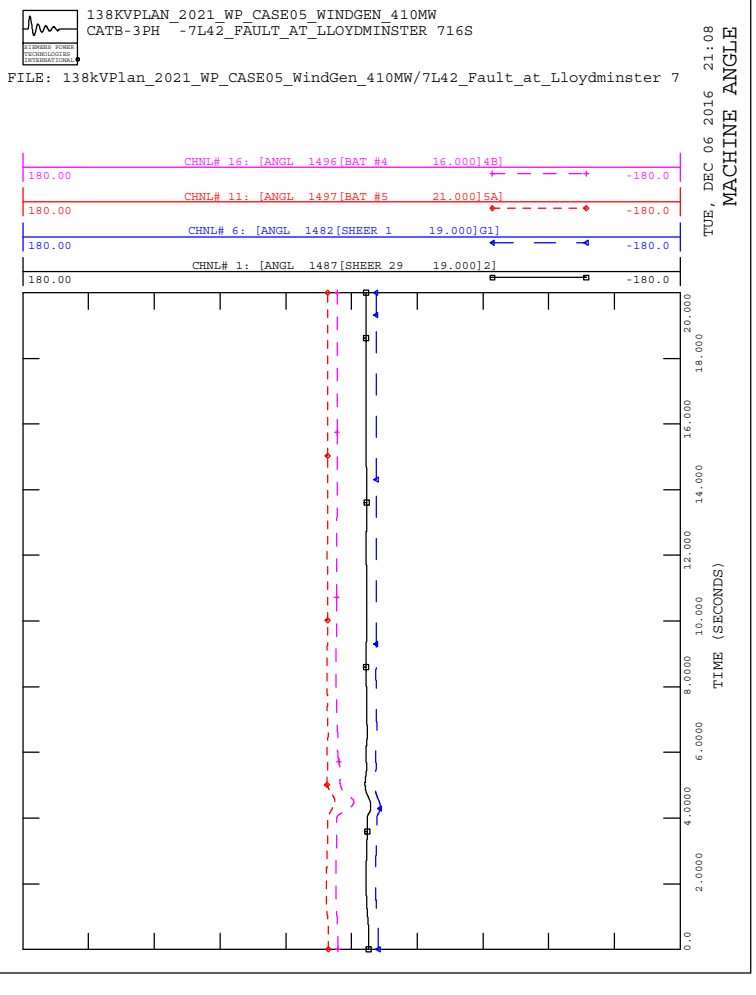

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)

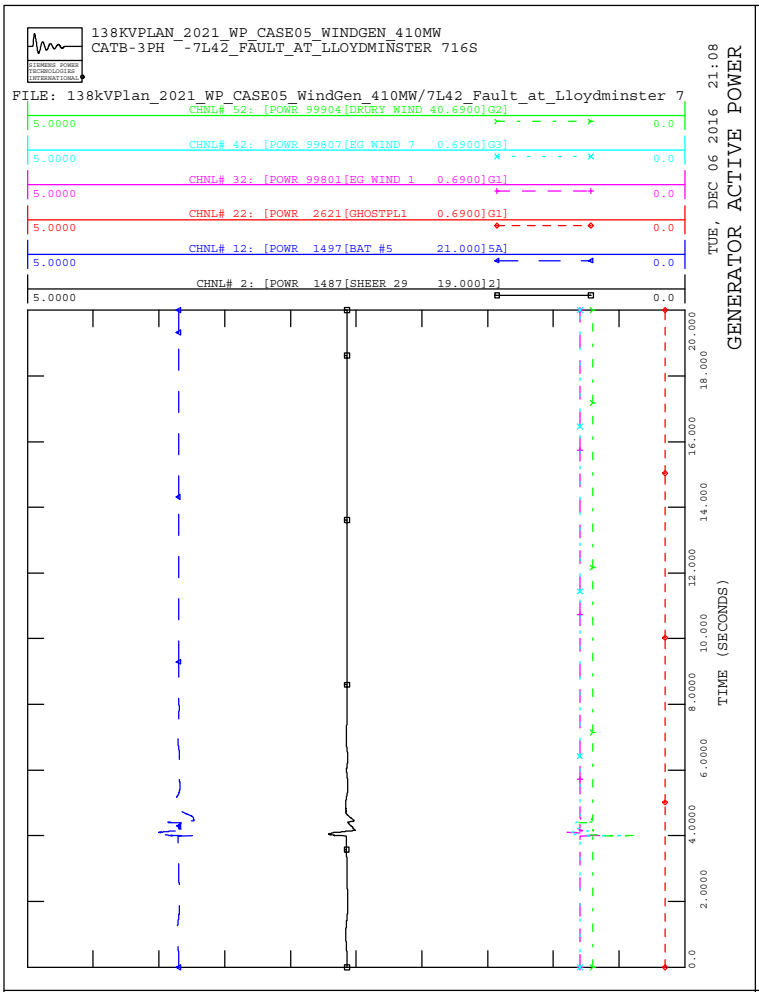

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

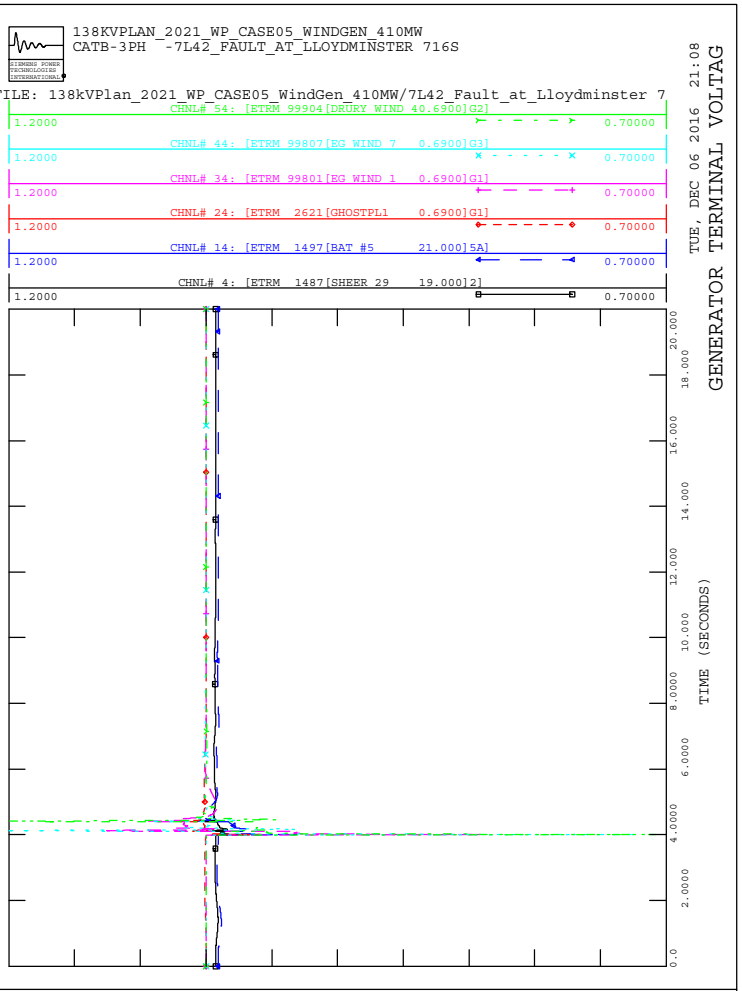

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7
TUE, DEC 06 2016 21:08
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

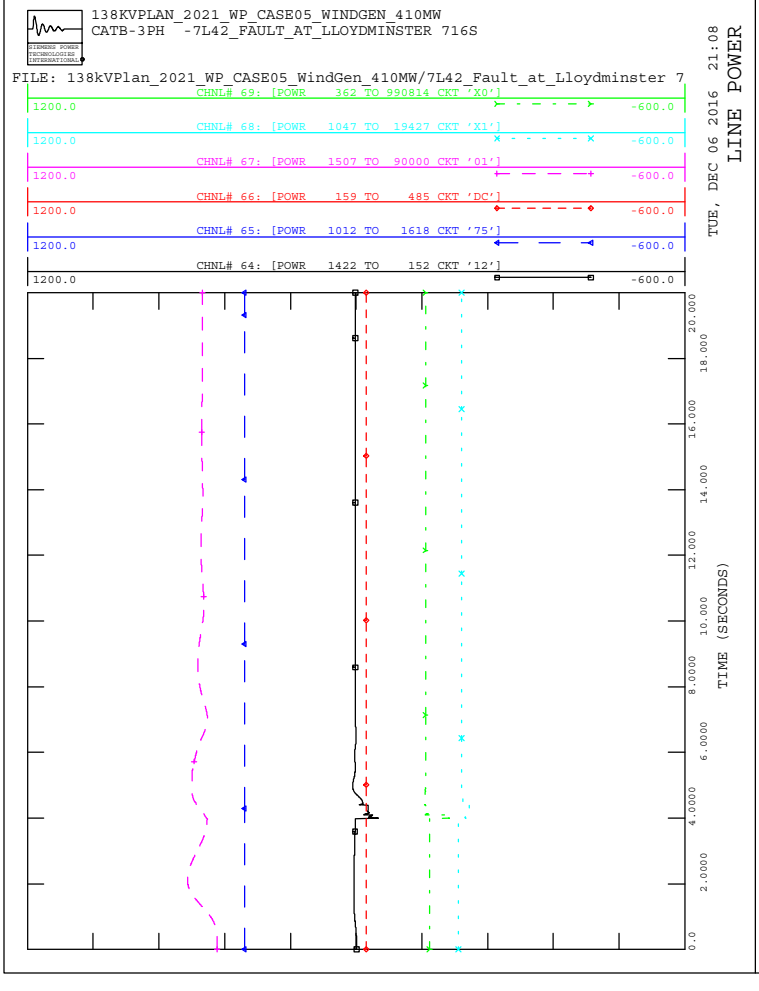

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7
TUE, DEC 06 2016 21:08
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

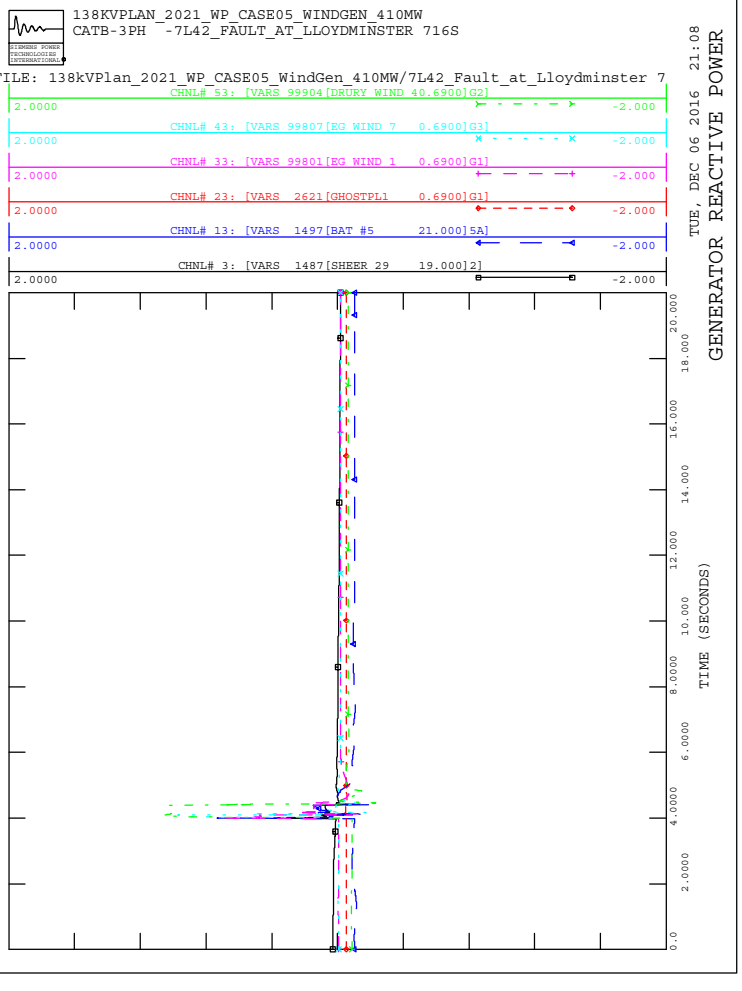

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7
TUE, DEC 06 2016 21:08
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7
TUE, DEC 06 2016 21:08
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)

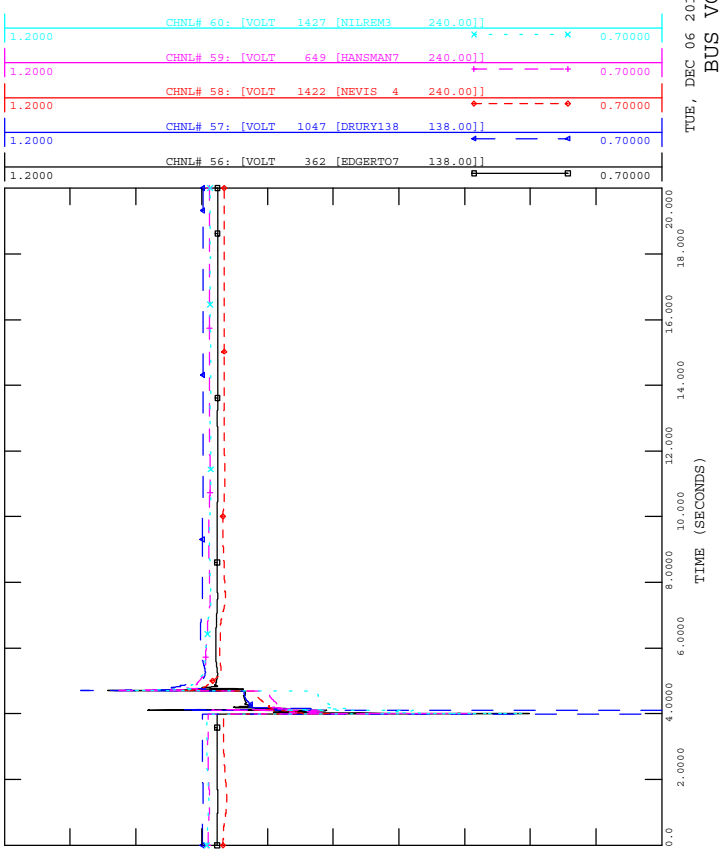

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek

TUE, DEC 06 2016 21:08

BUS VOLTAGE

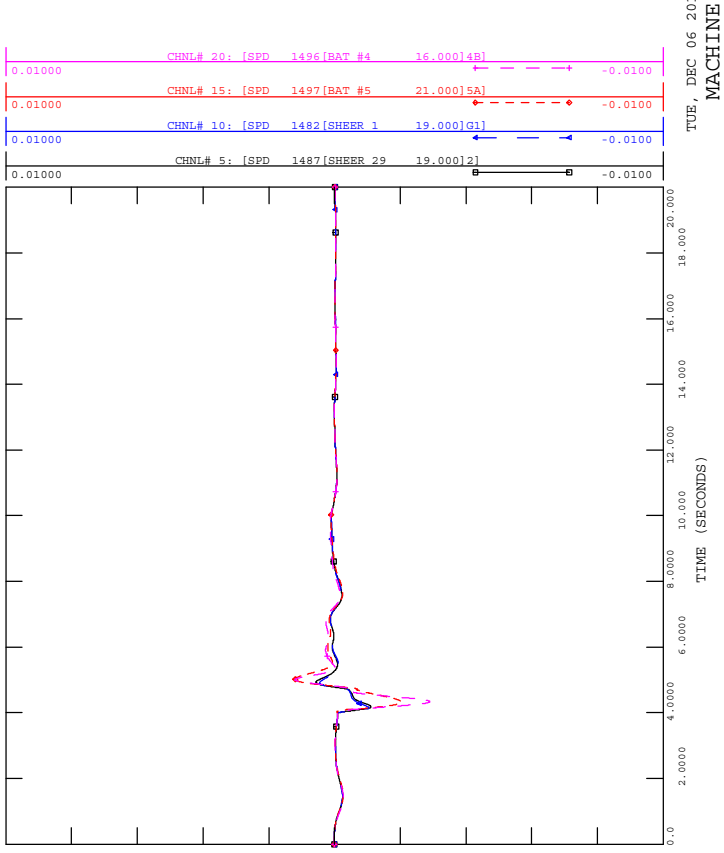


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek

TUE, DEC 06 2016 21:08

MACHINE SPEED

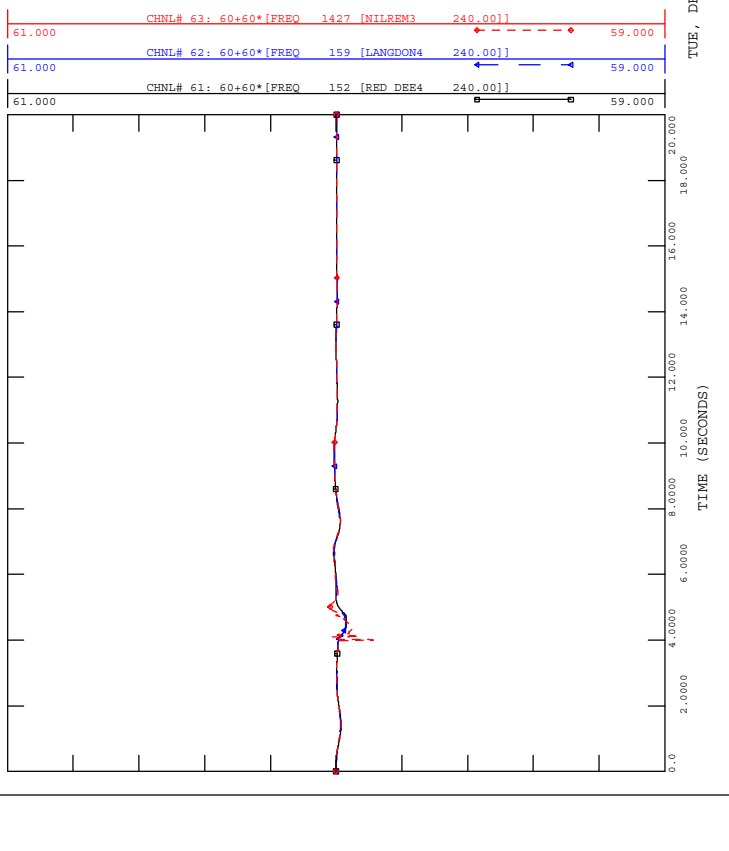


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek

TUE, DEC 06 2016 21:08

FREQUENCY

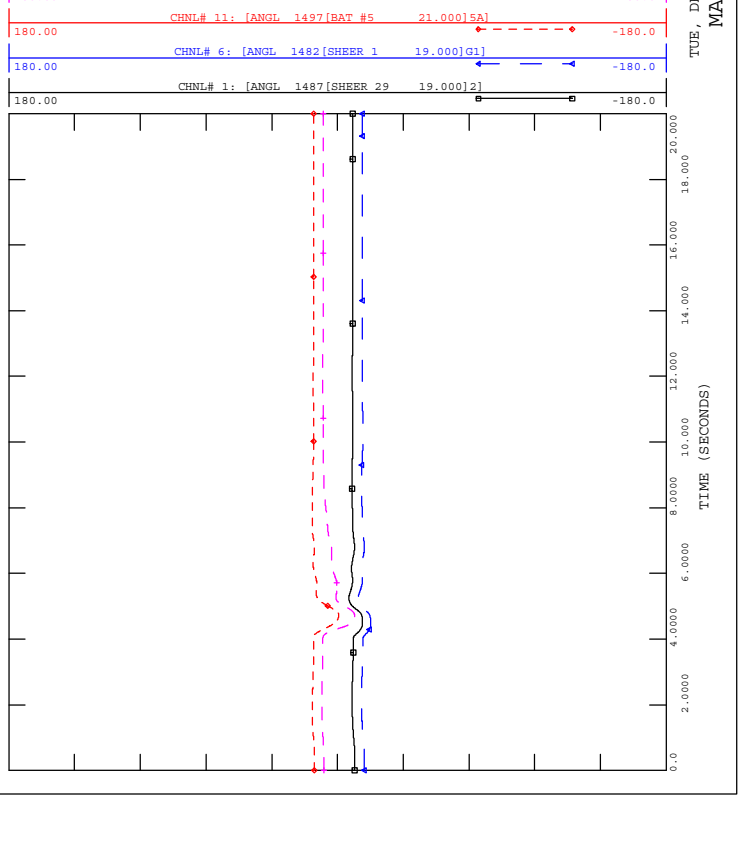


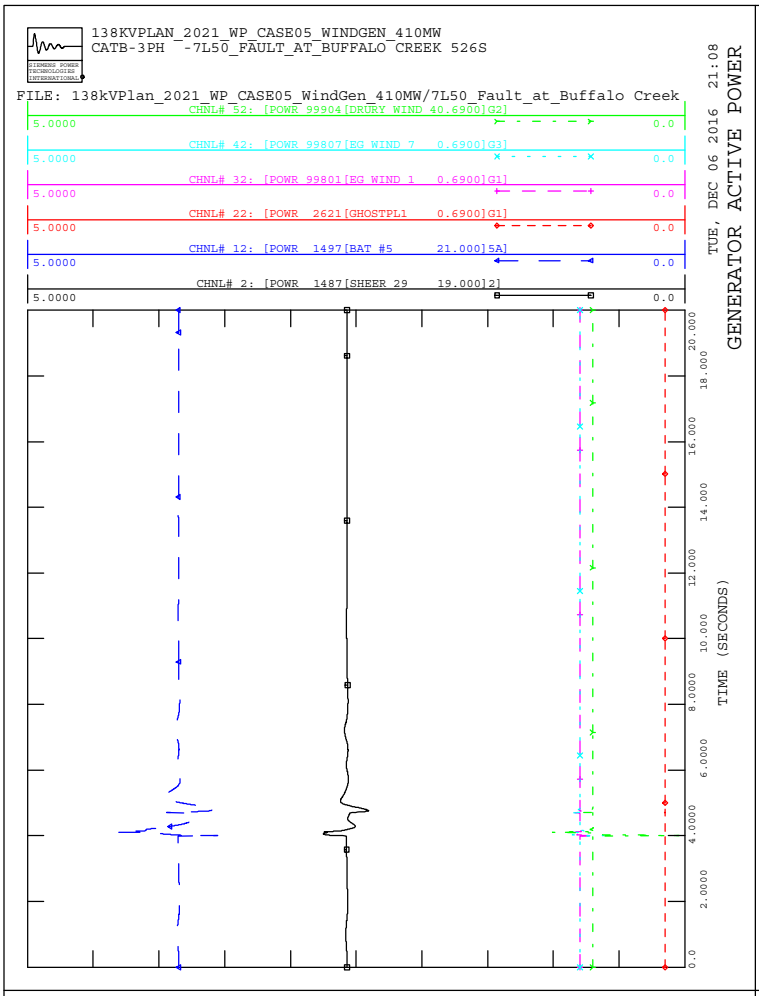
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

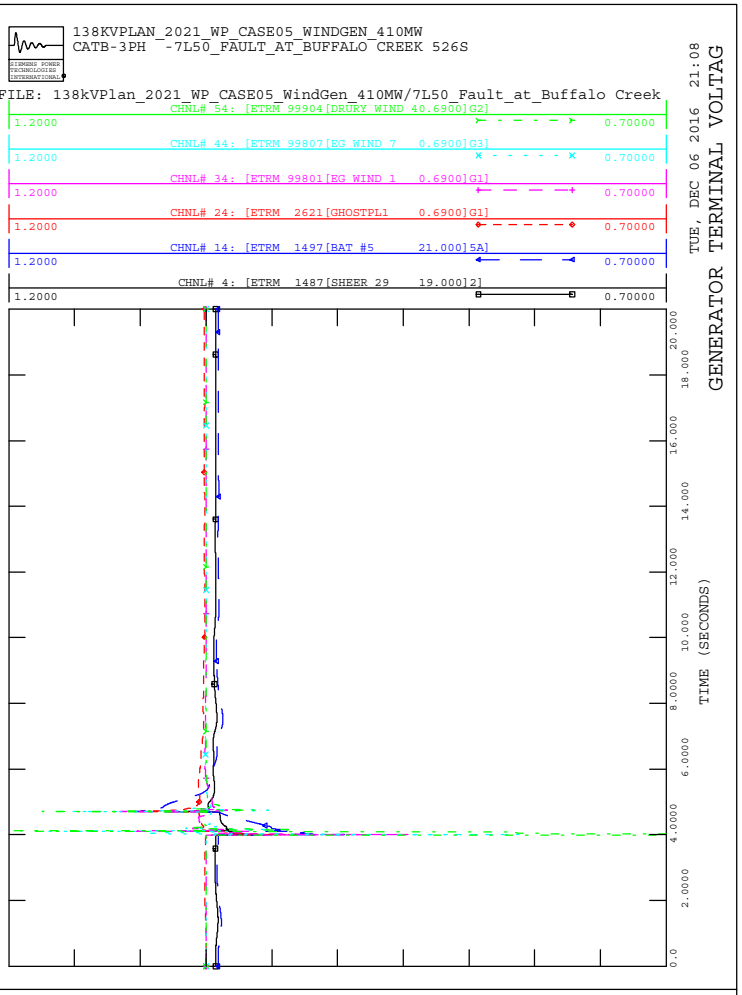
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek

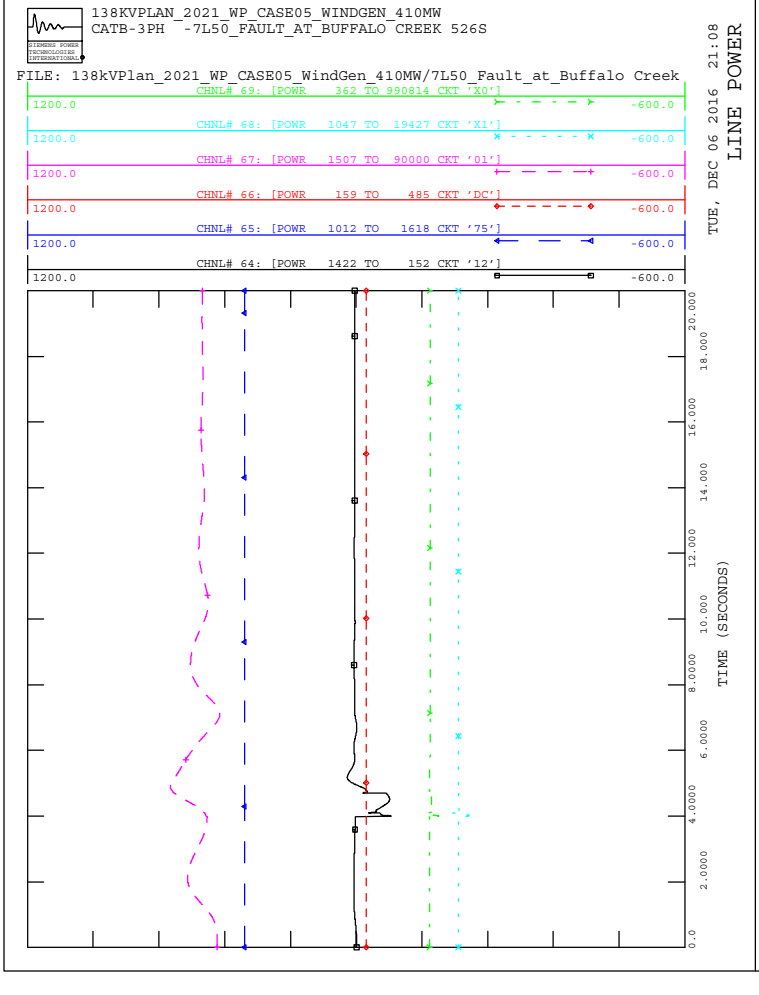
TUE, DEC 06 2016 21:08

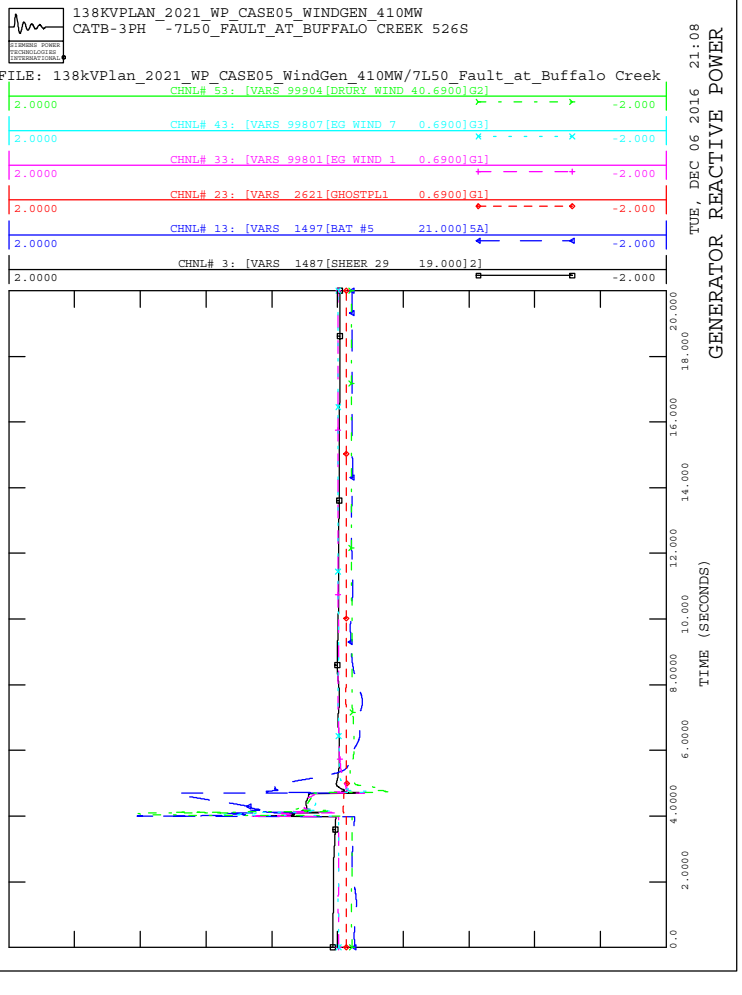
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

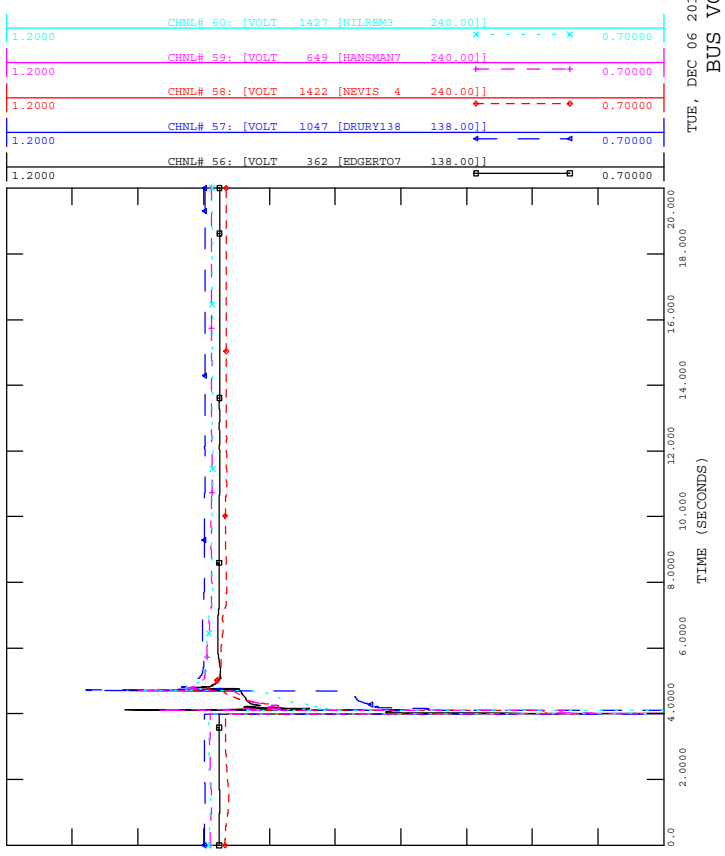

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7

TUE, DEC 06 2016 21:08

BUS VOLTAGE

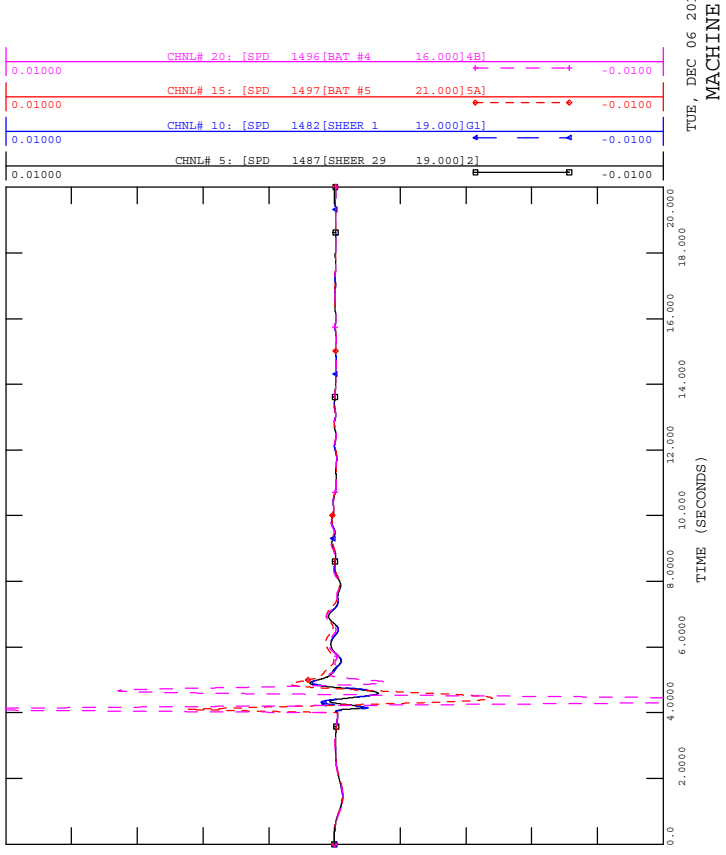


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7

TUE, DEC 06 2016 21:08

MACHINE SPEED

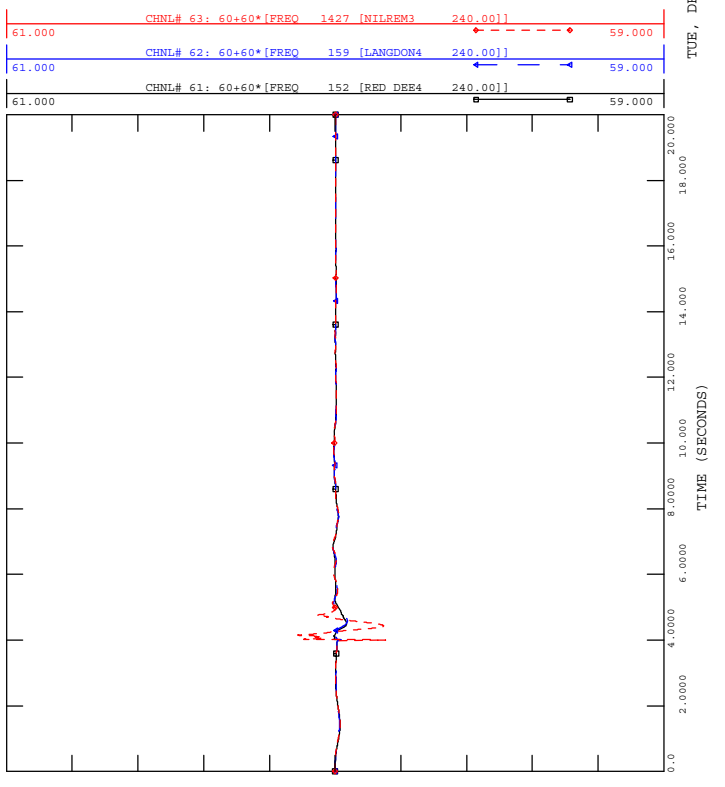


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7

TUE, DEC 06 2016 21:08

FREQUENCY

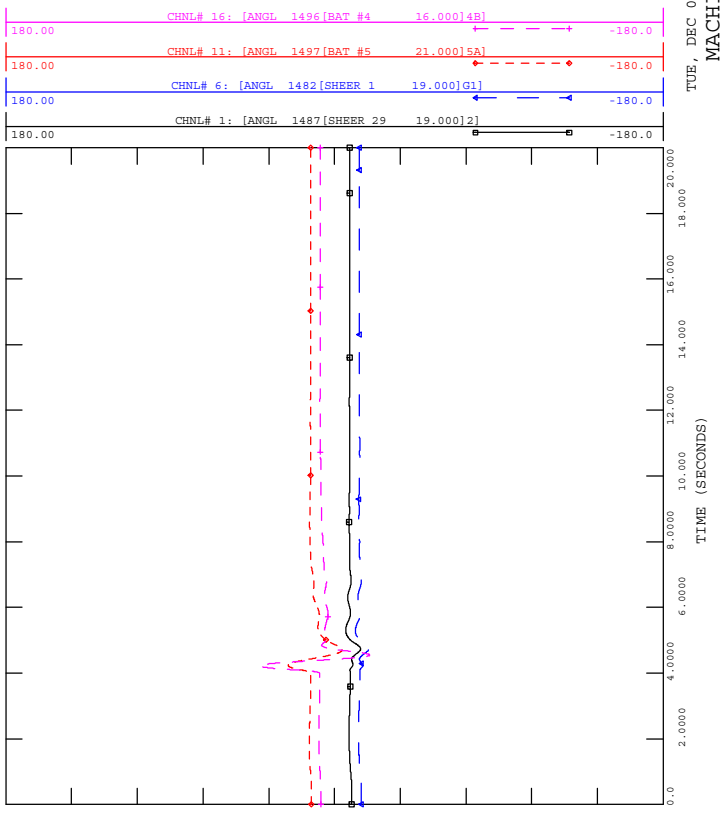


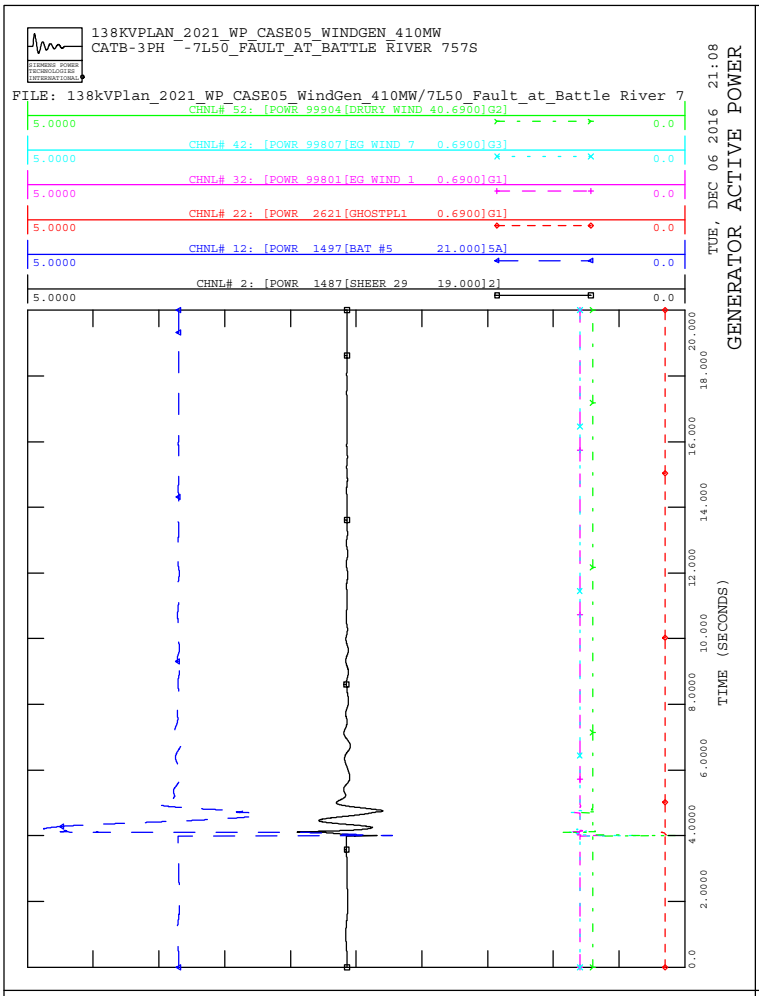
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

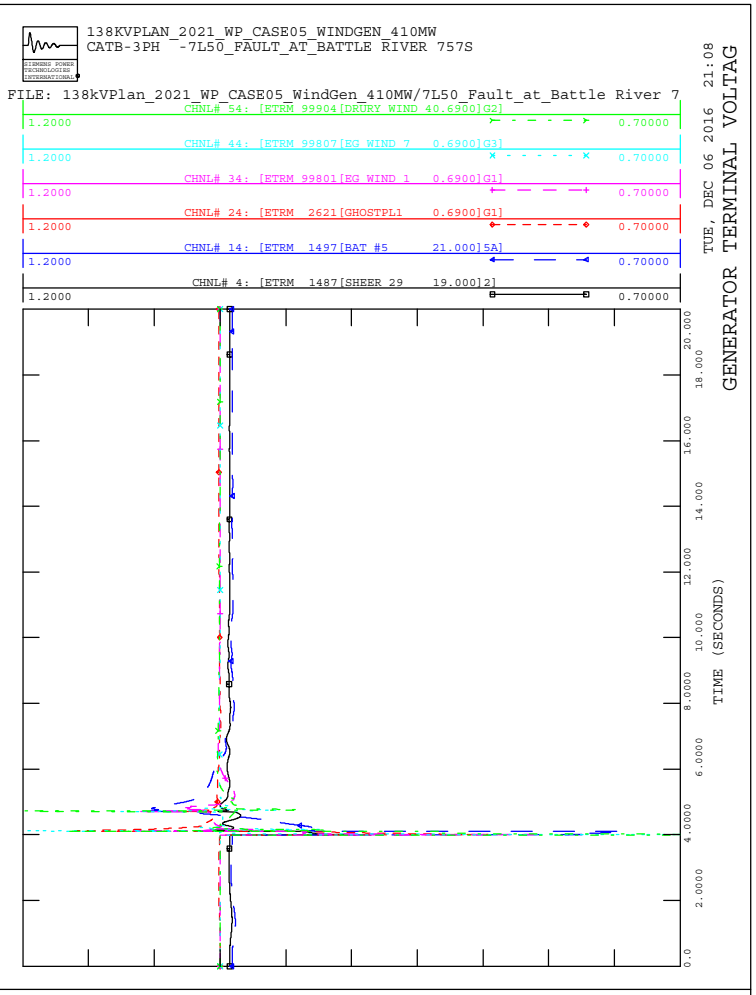
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7

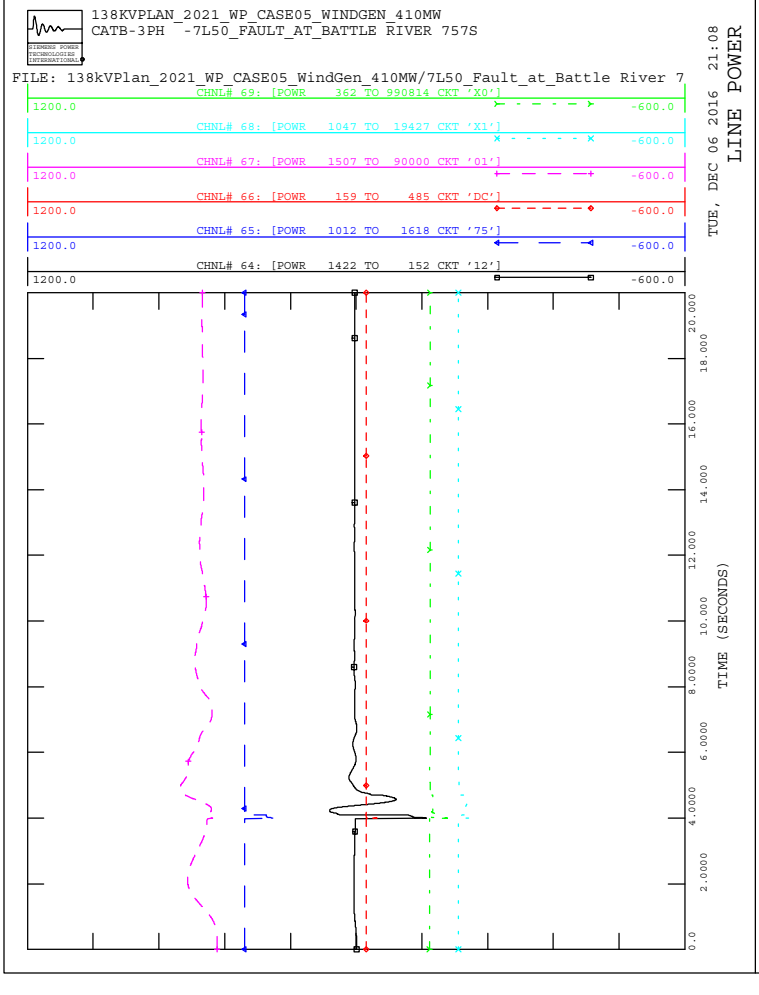
TUE, DEC 06 2016 21:08

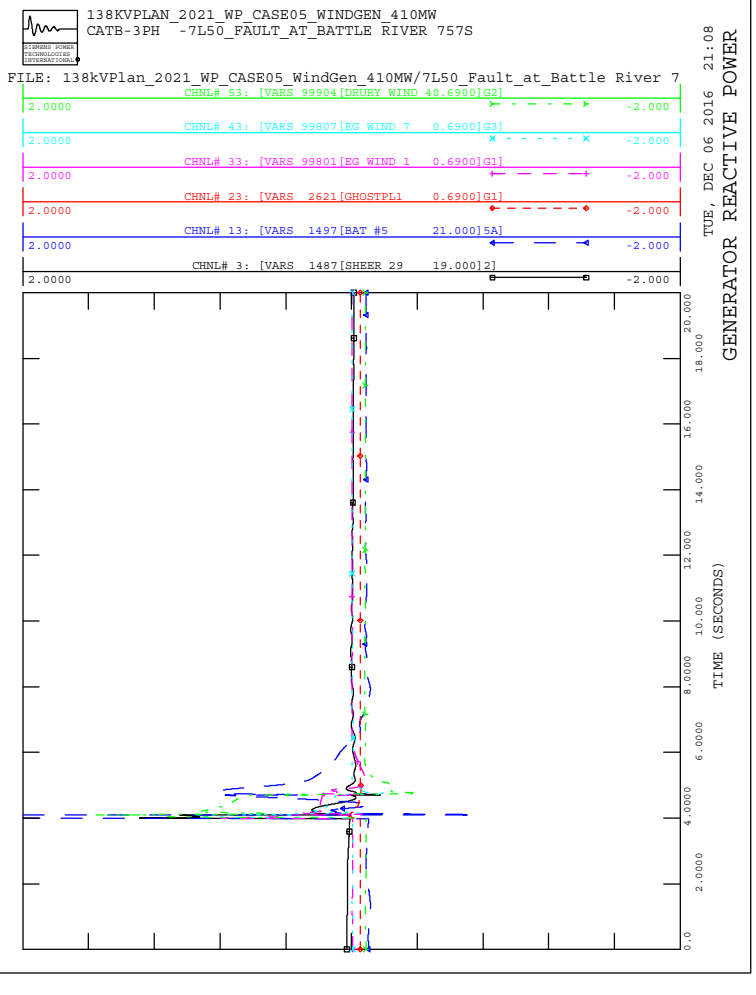
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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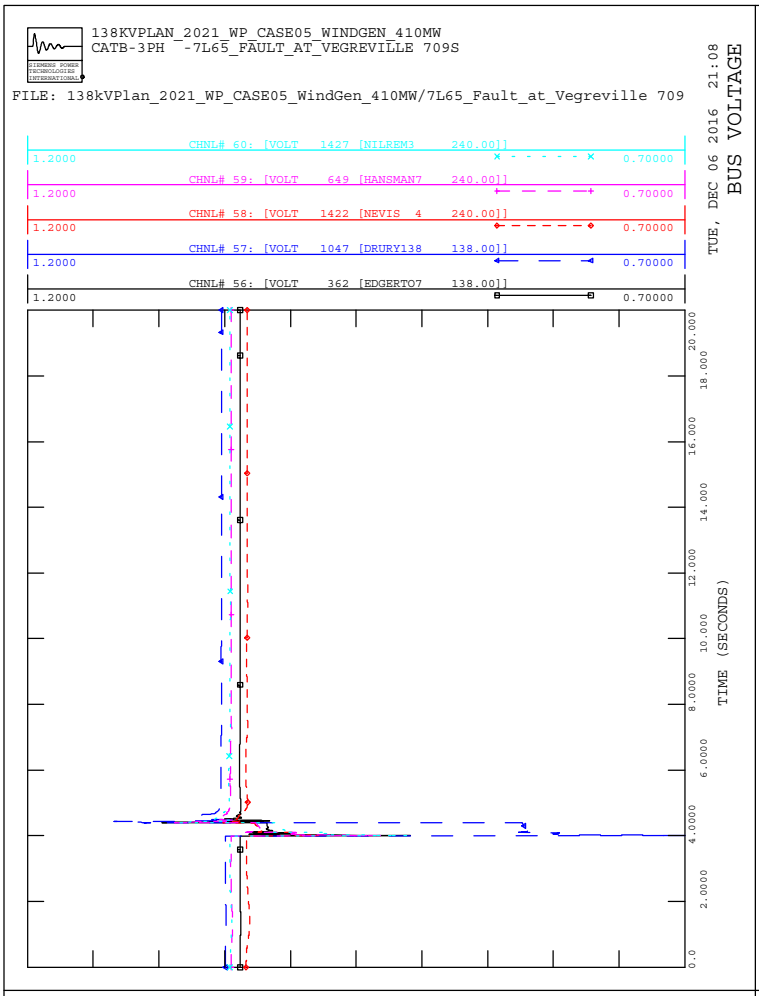
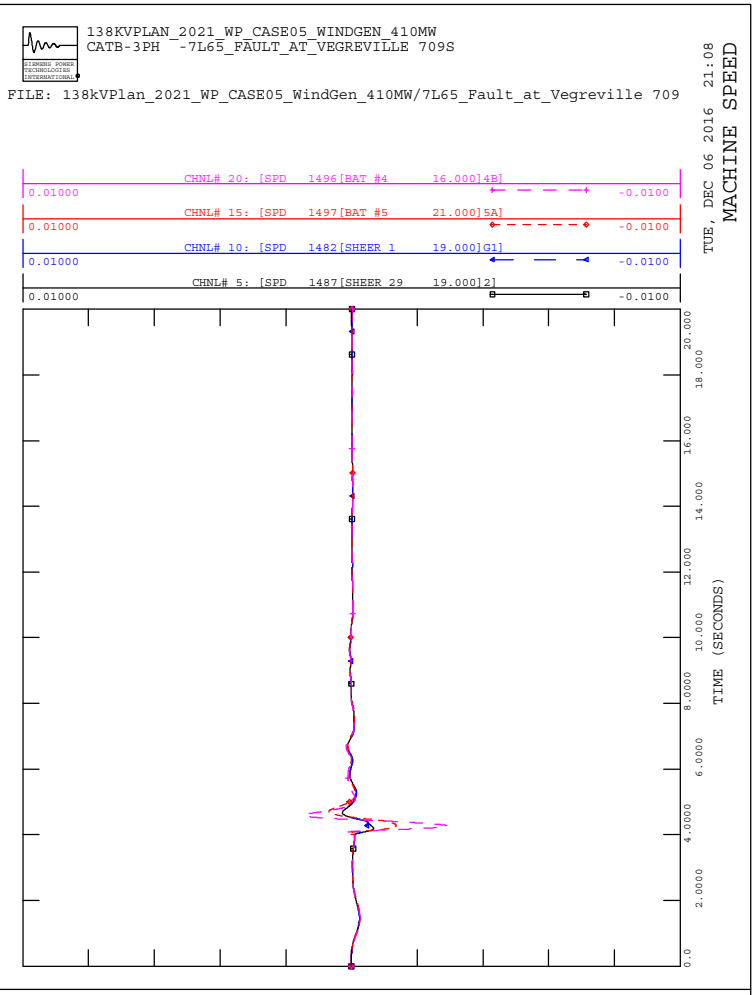
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709
TUE, DEC 06 2016 21:08
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709
TUE, DEC 06 2016 21:08
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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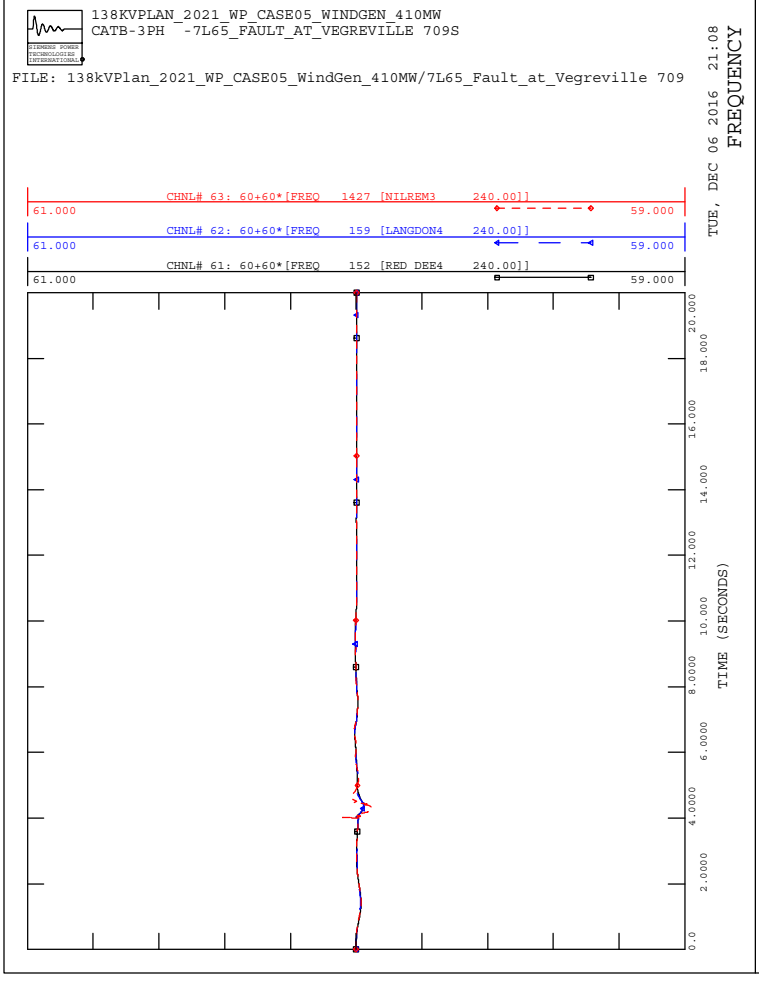
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709
TUE, DEC 06 2016 21:08
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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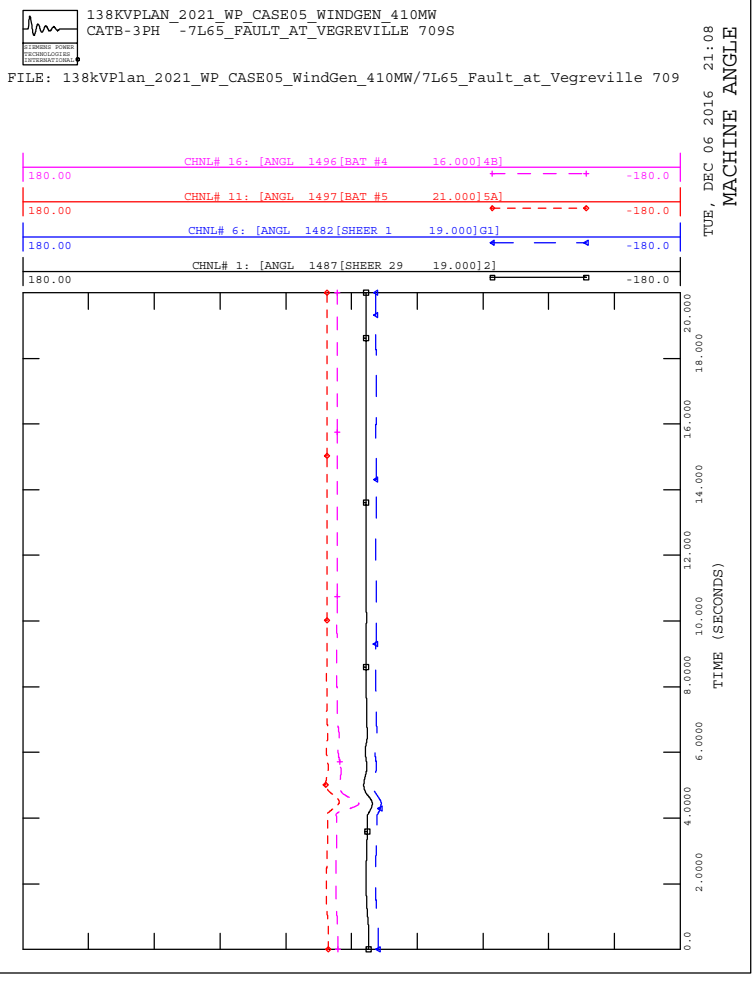
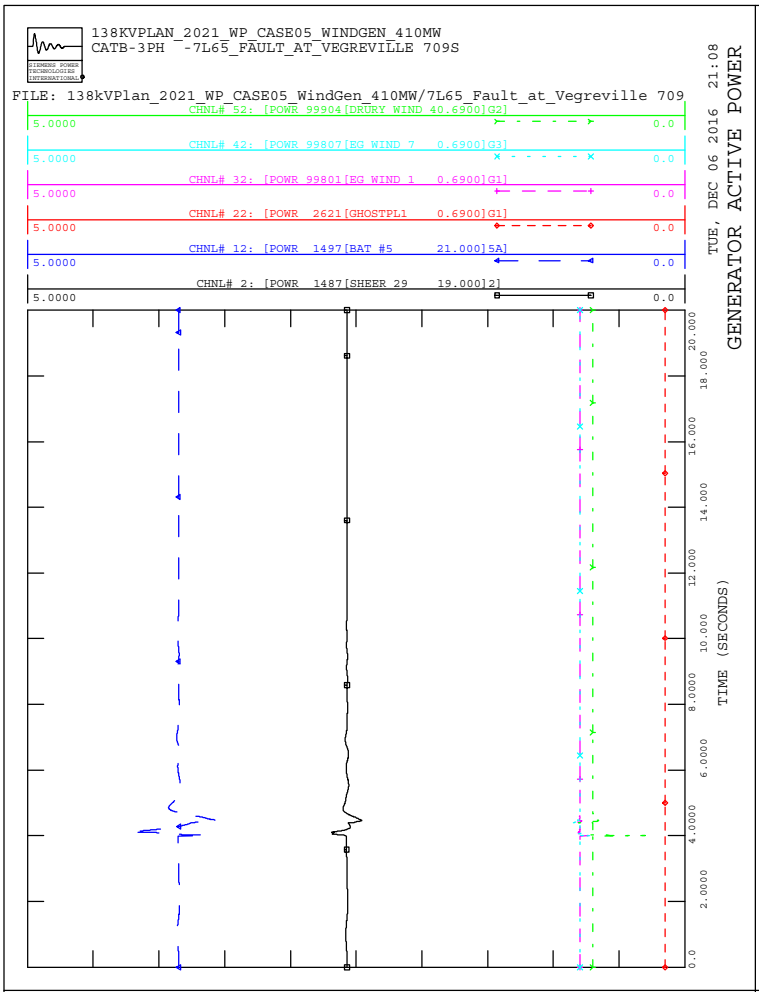
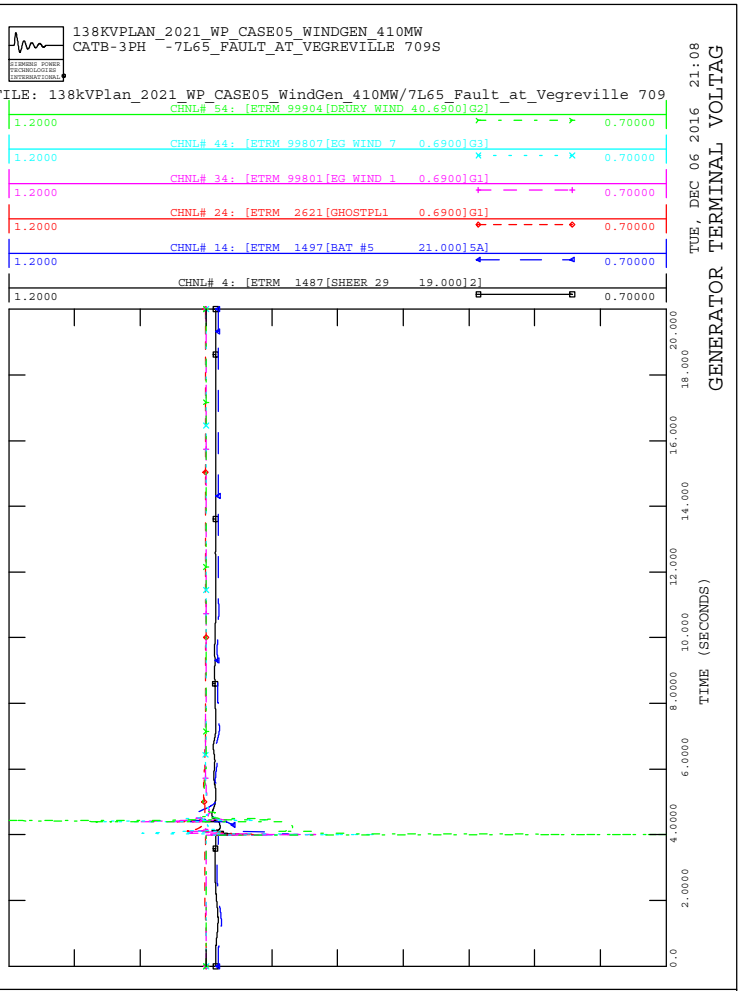
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709
TUE, DEC 06 2016 21:08
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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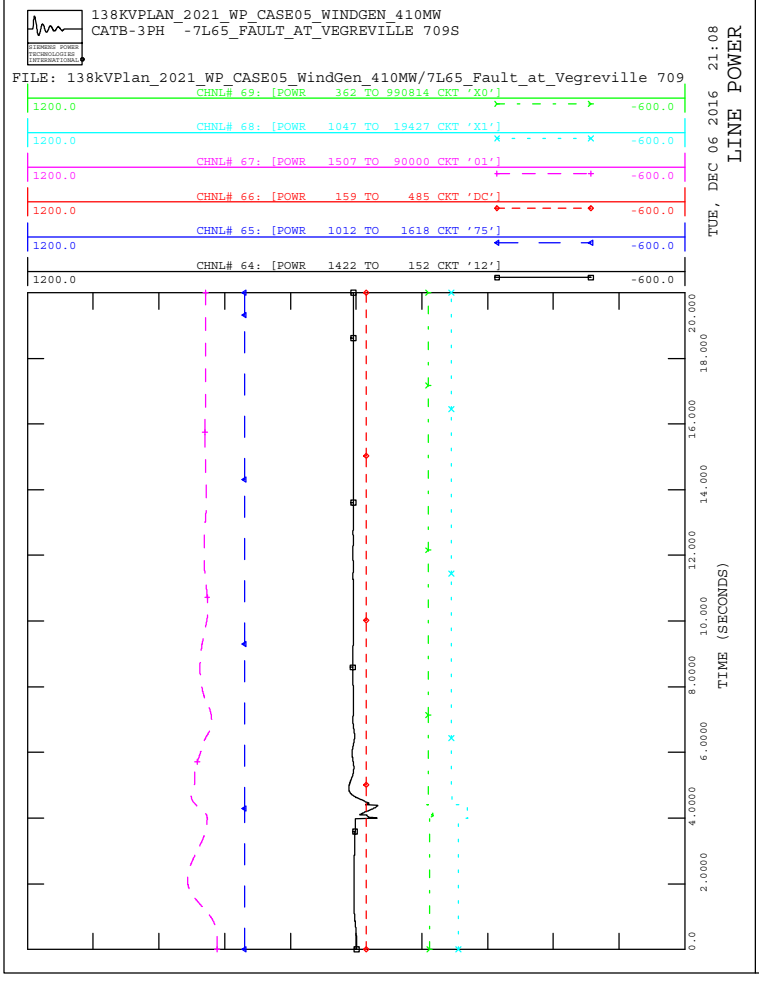
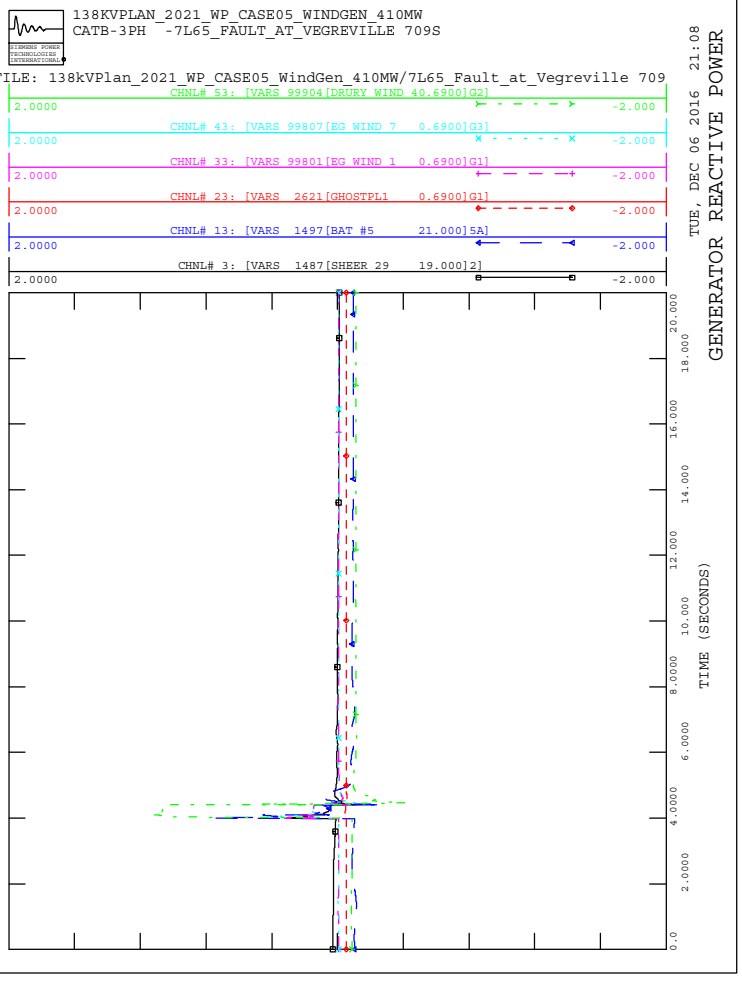
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

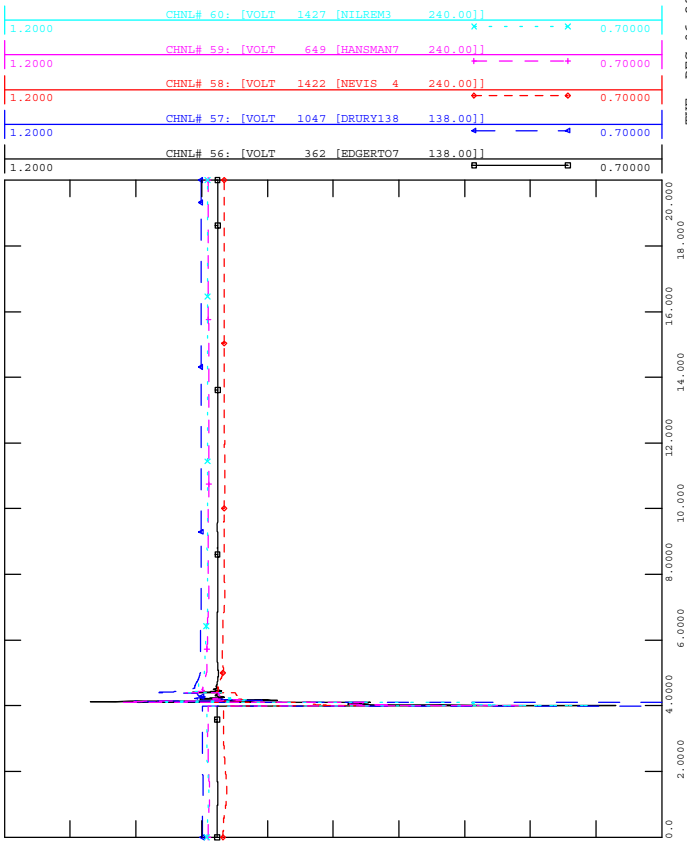

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou

TUE, DEC 06 2016 21:08

BUS VOLTAGE

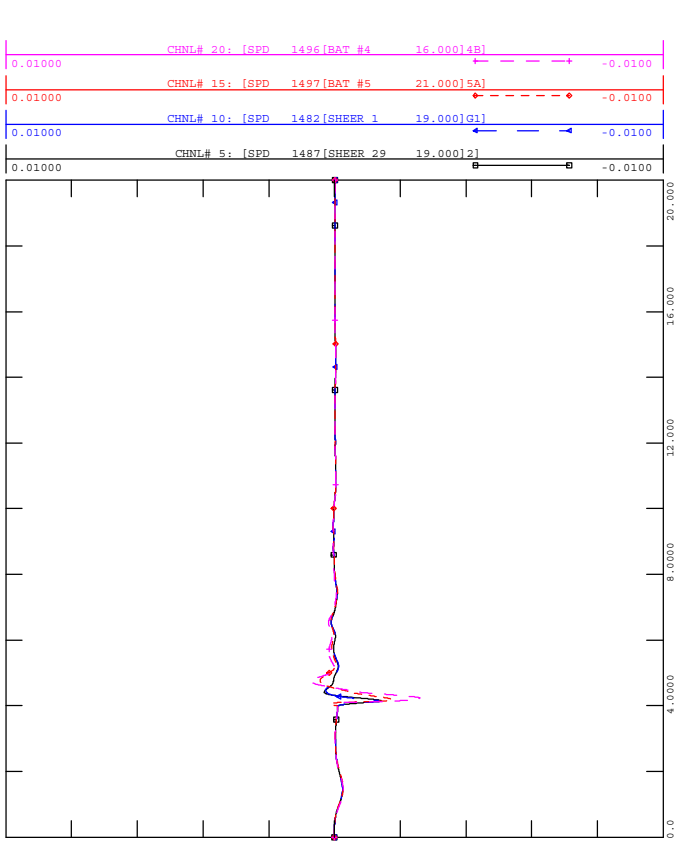


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou

TUE, DEC 06 2016 21:08

MACHINE SPEED



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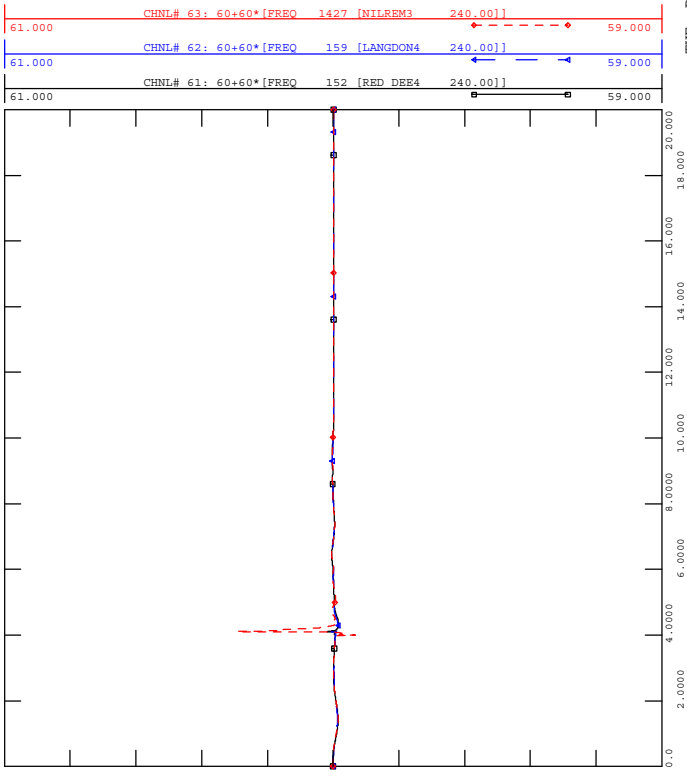
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou

TUE, DEC 06 2016 21:08

FREQUENCY



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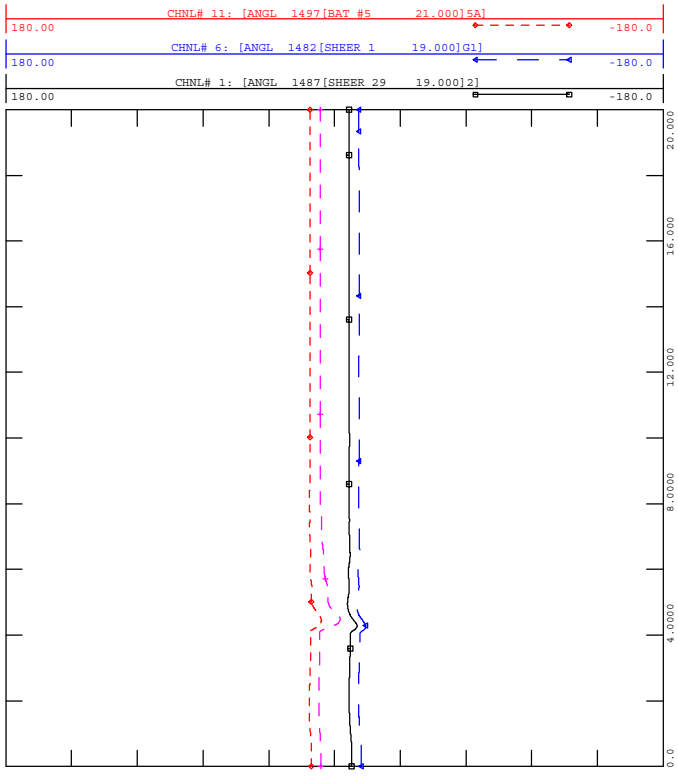
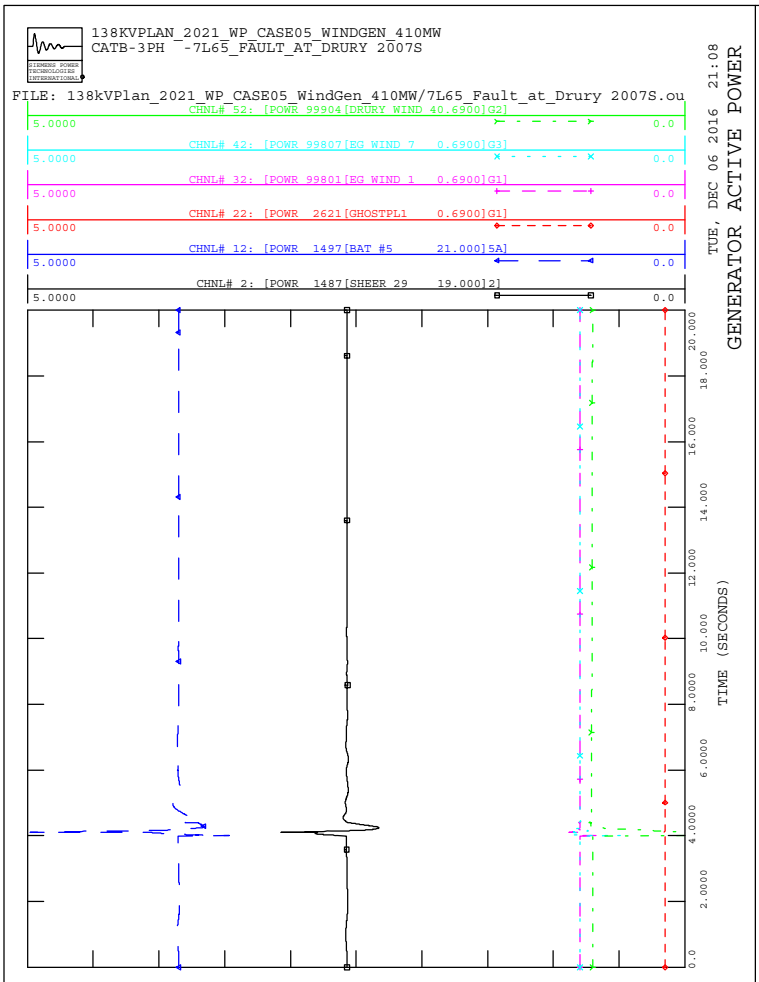
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

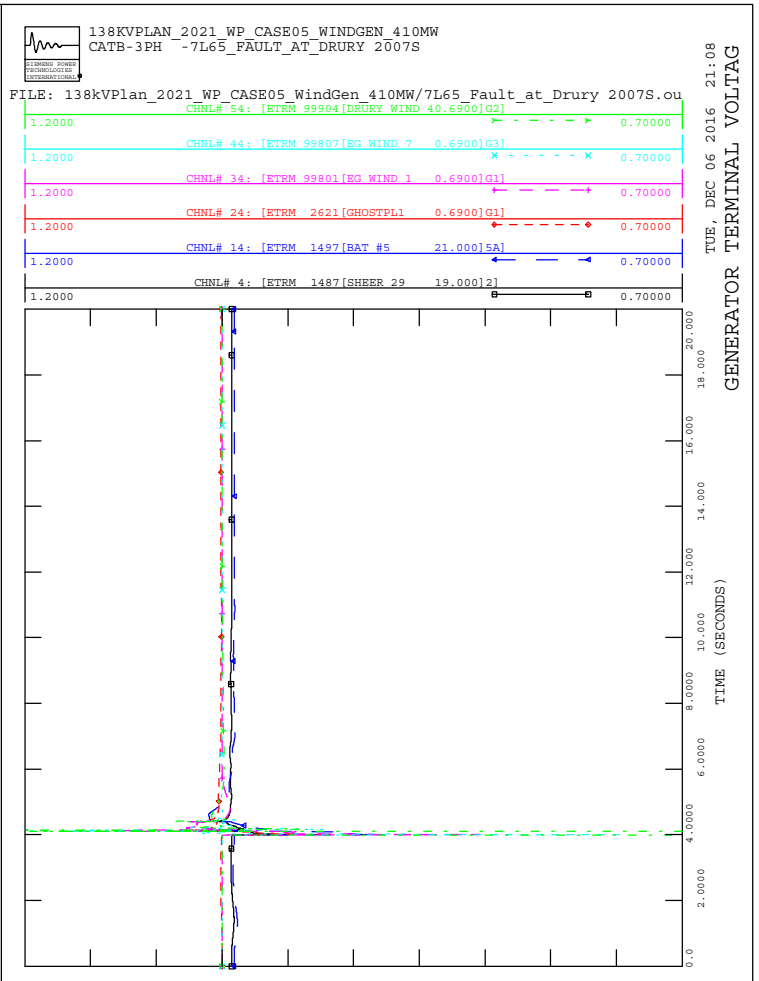
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou

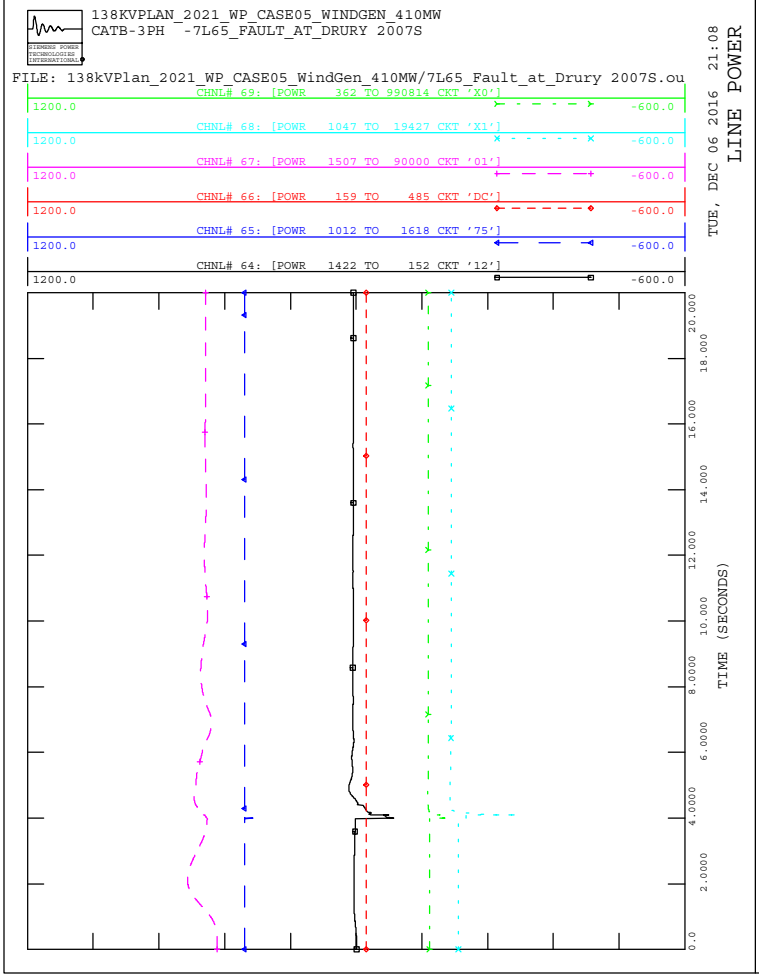
TUE, DEC 06 2016 21:08

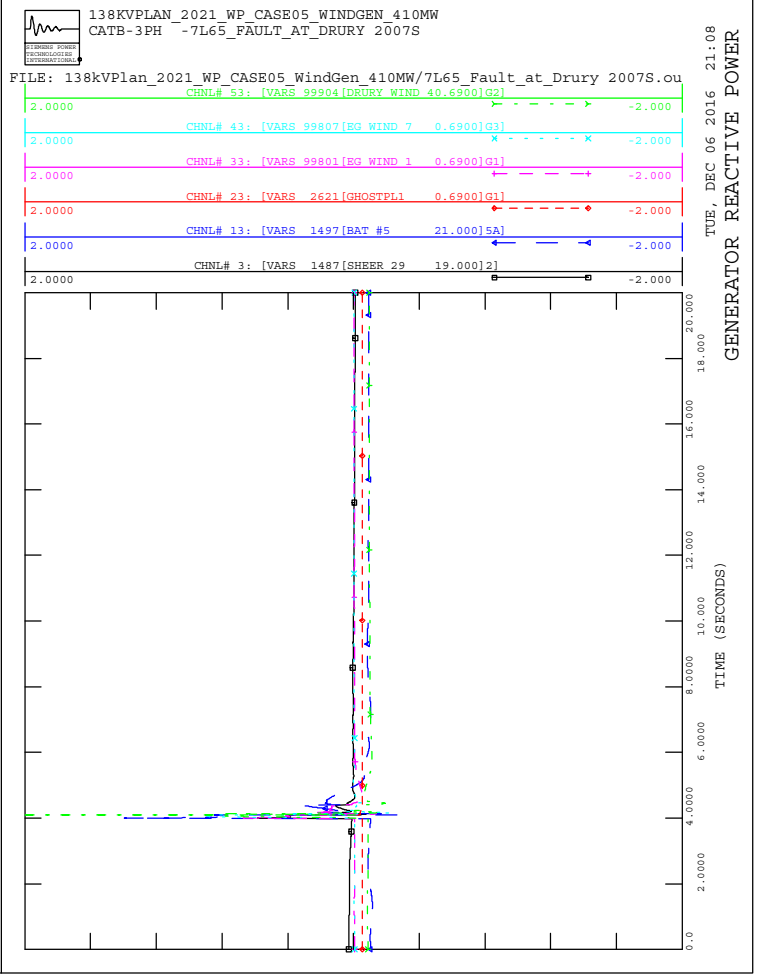
MACHINE ANGLE

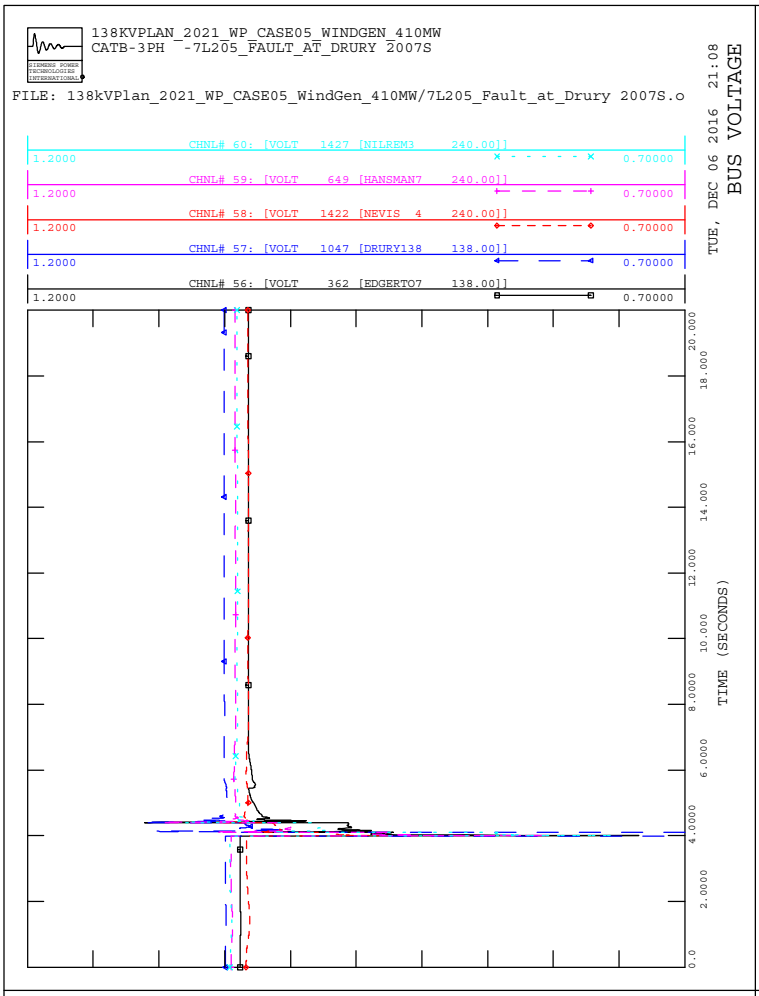



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)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CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
TUE, DEC 06 2016 21:08
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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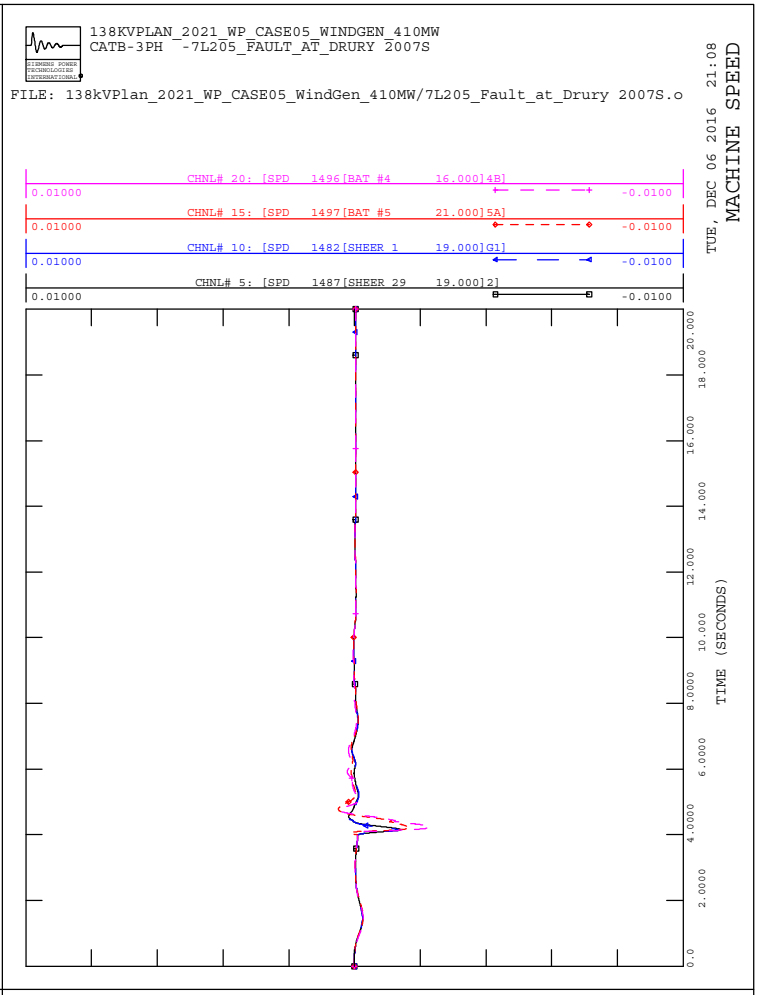
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
TUE, DEC 06 2016 21:08
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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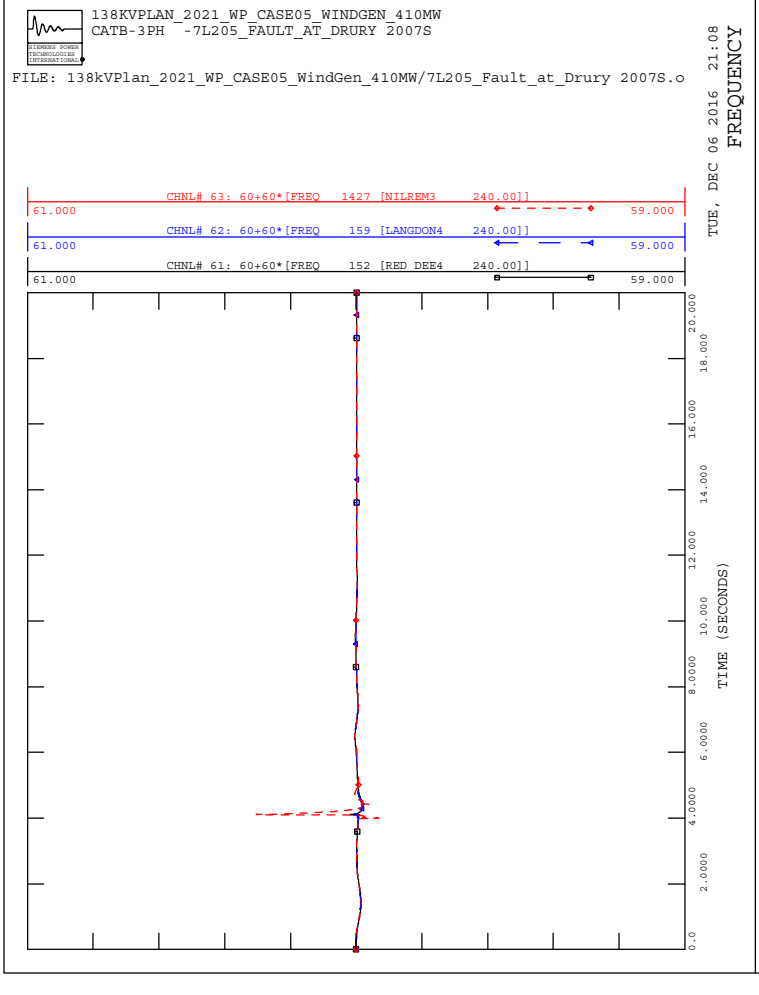
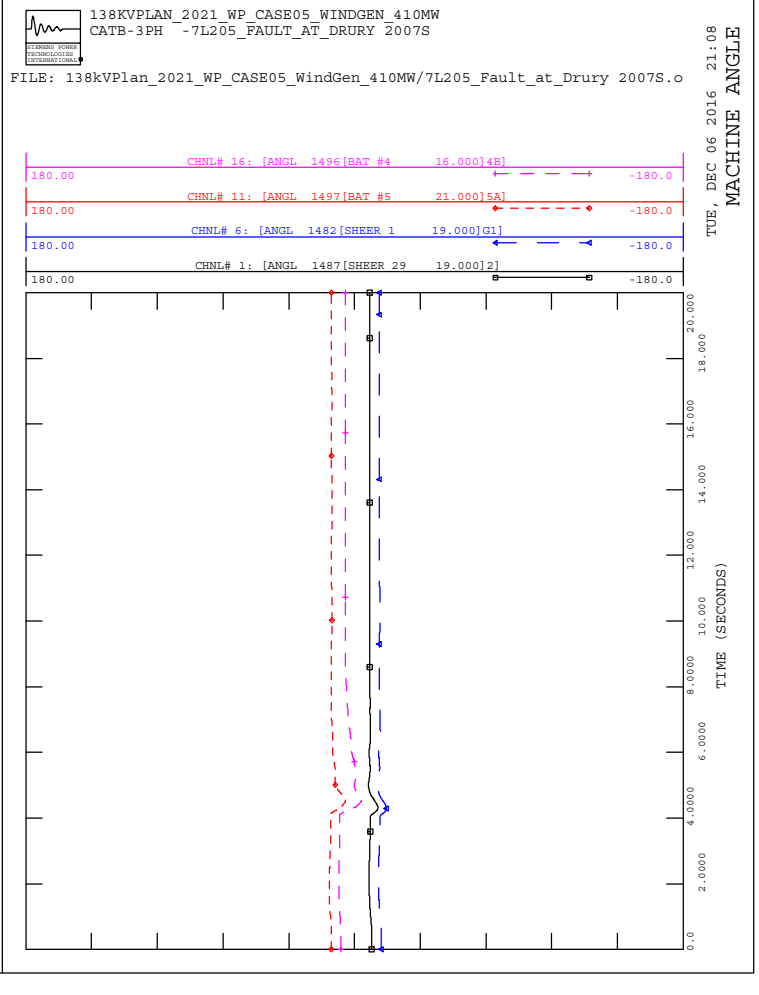
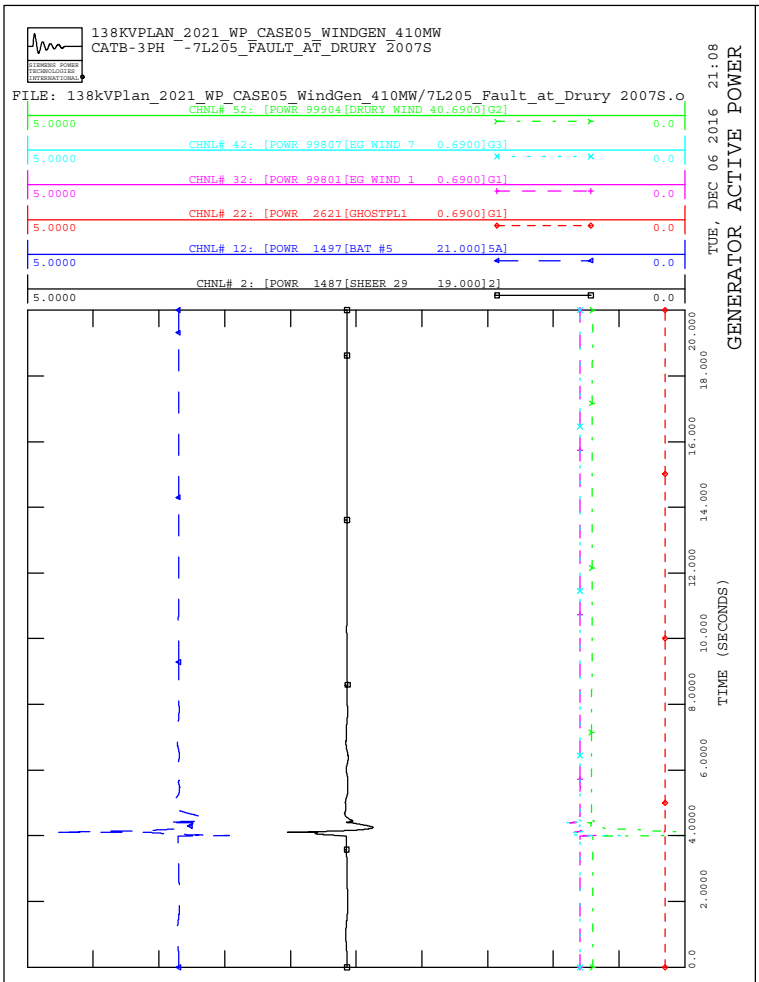
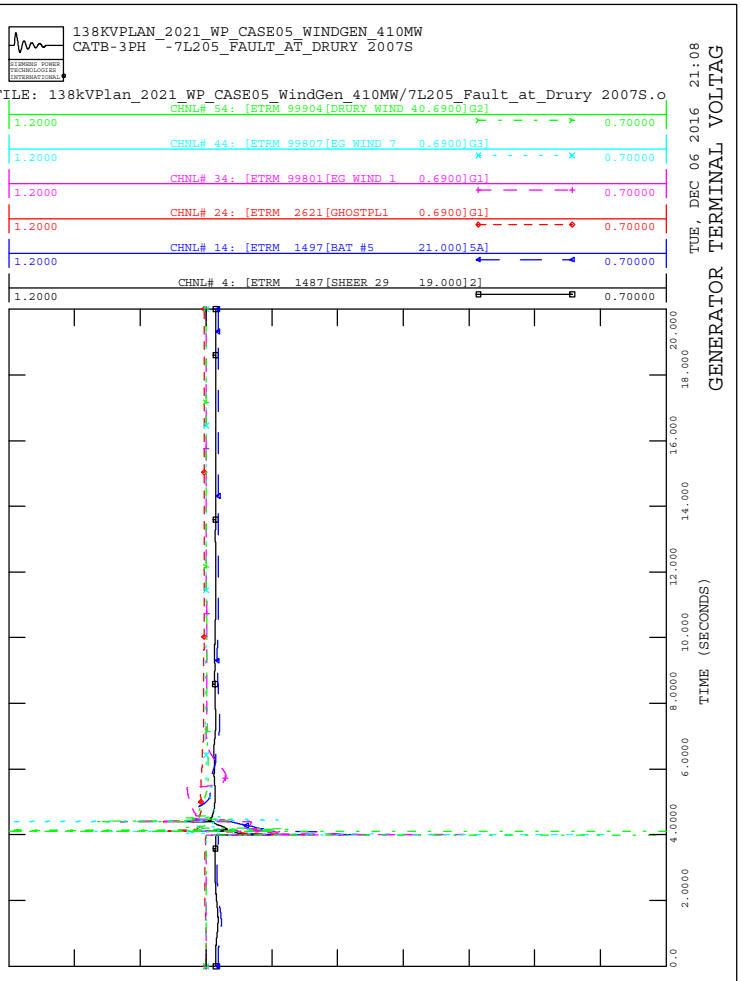
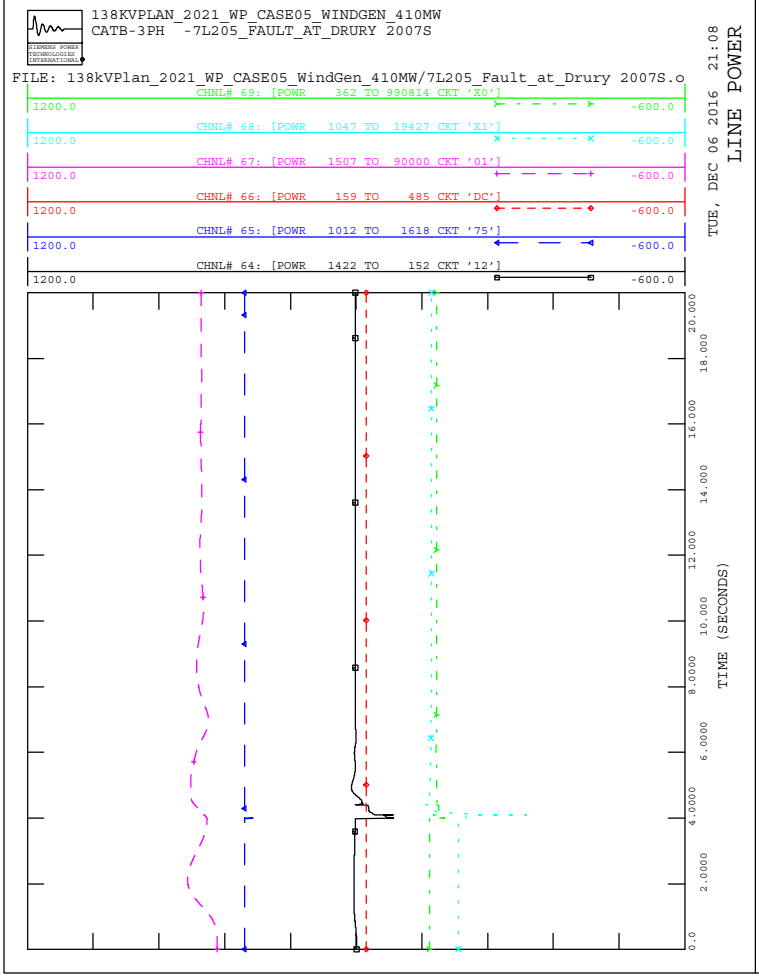
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

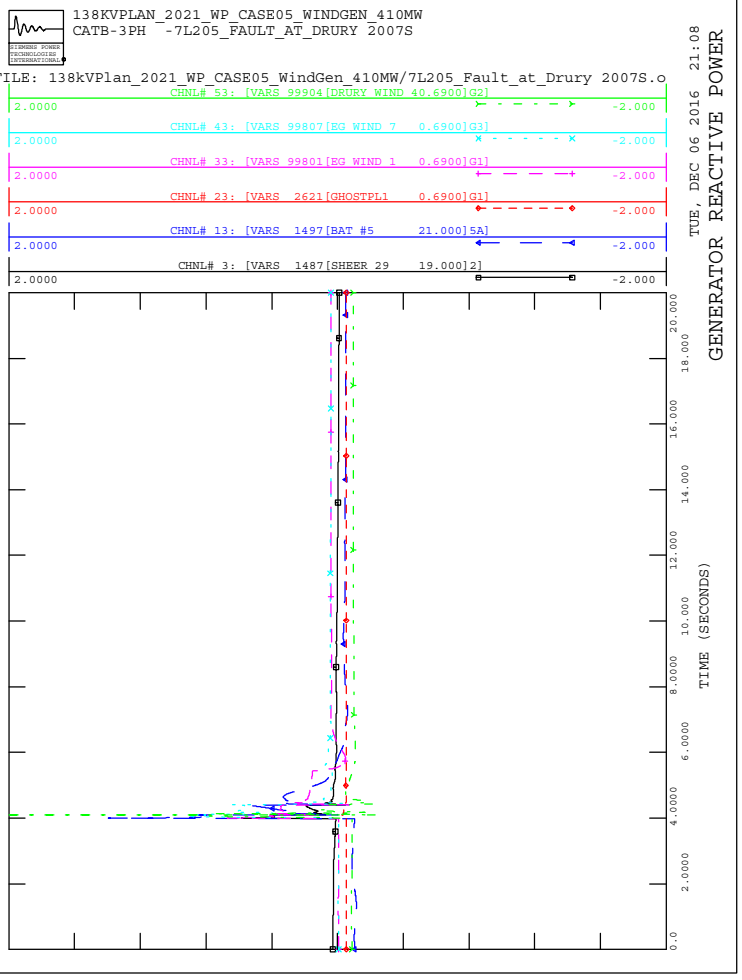

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
TUE, DEC 06 2016 21:08
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
TUE, DEC 06 2016 21:08
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)

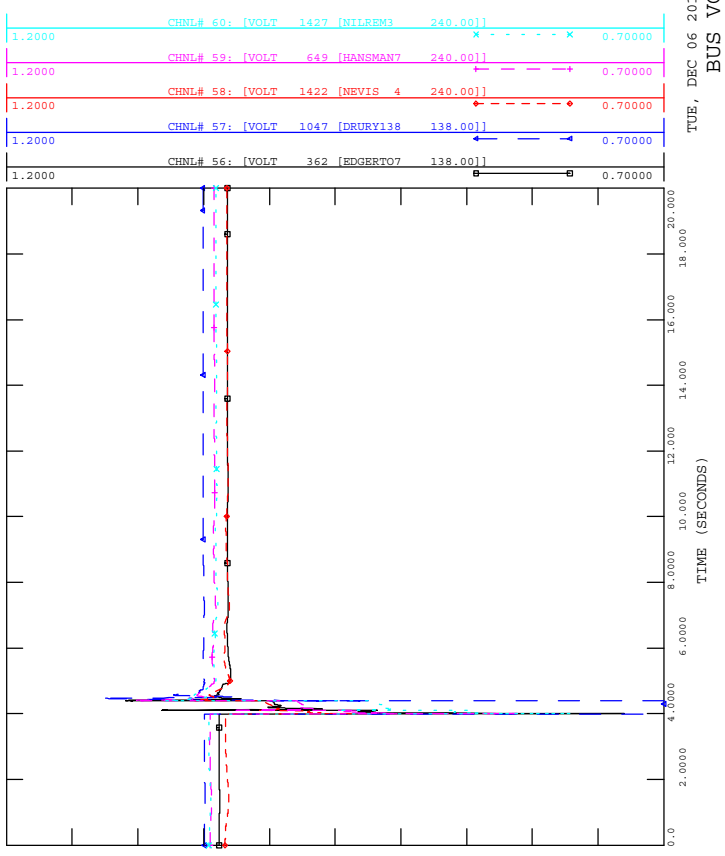

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

BUS VOLTAGE

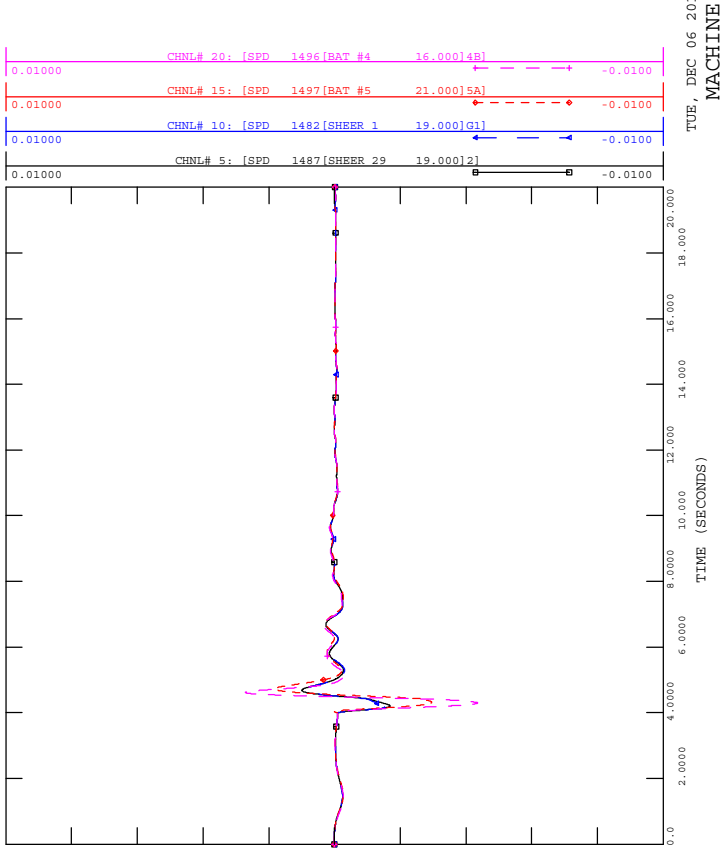


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

MACHINE SPEED

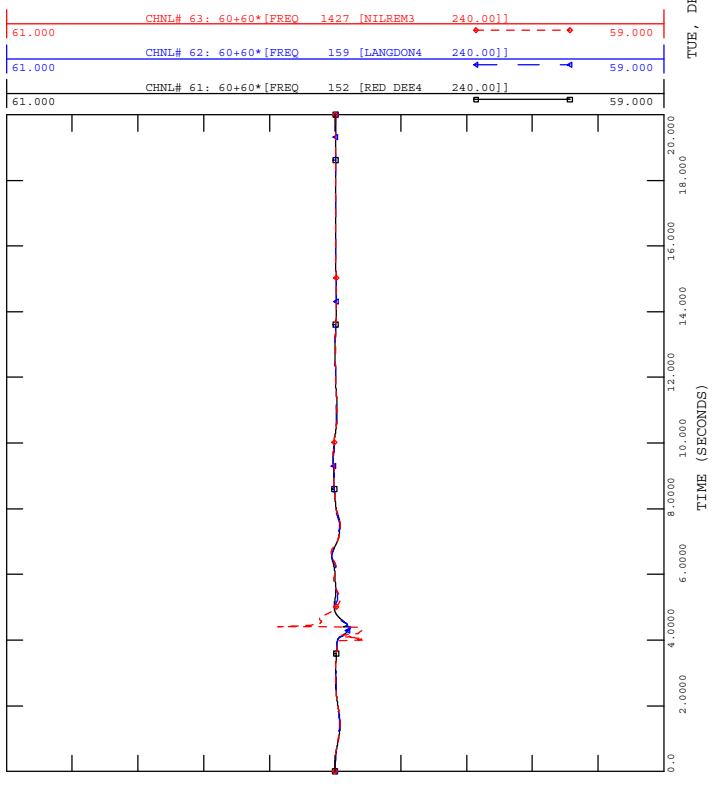


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

FREQUENCY

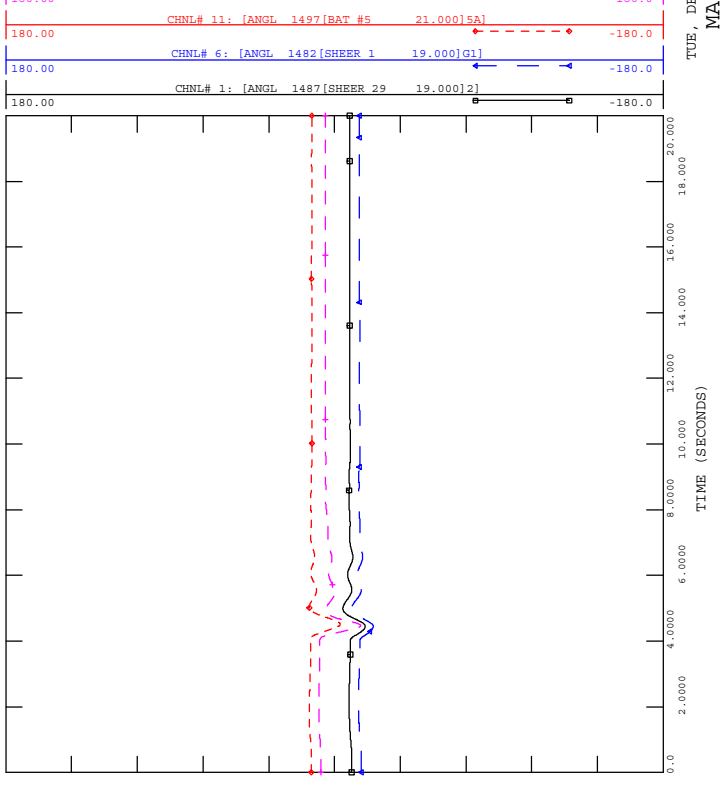


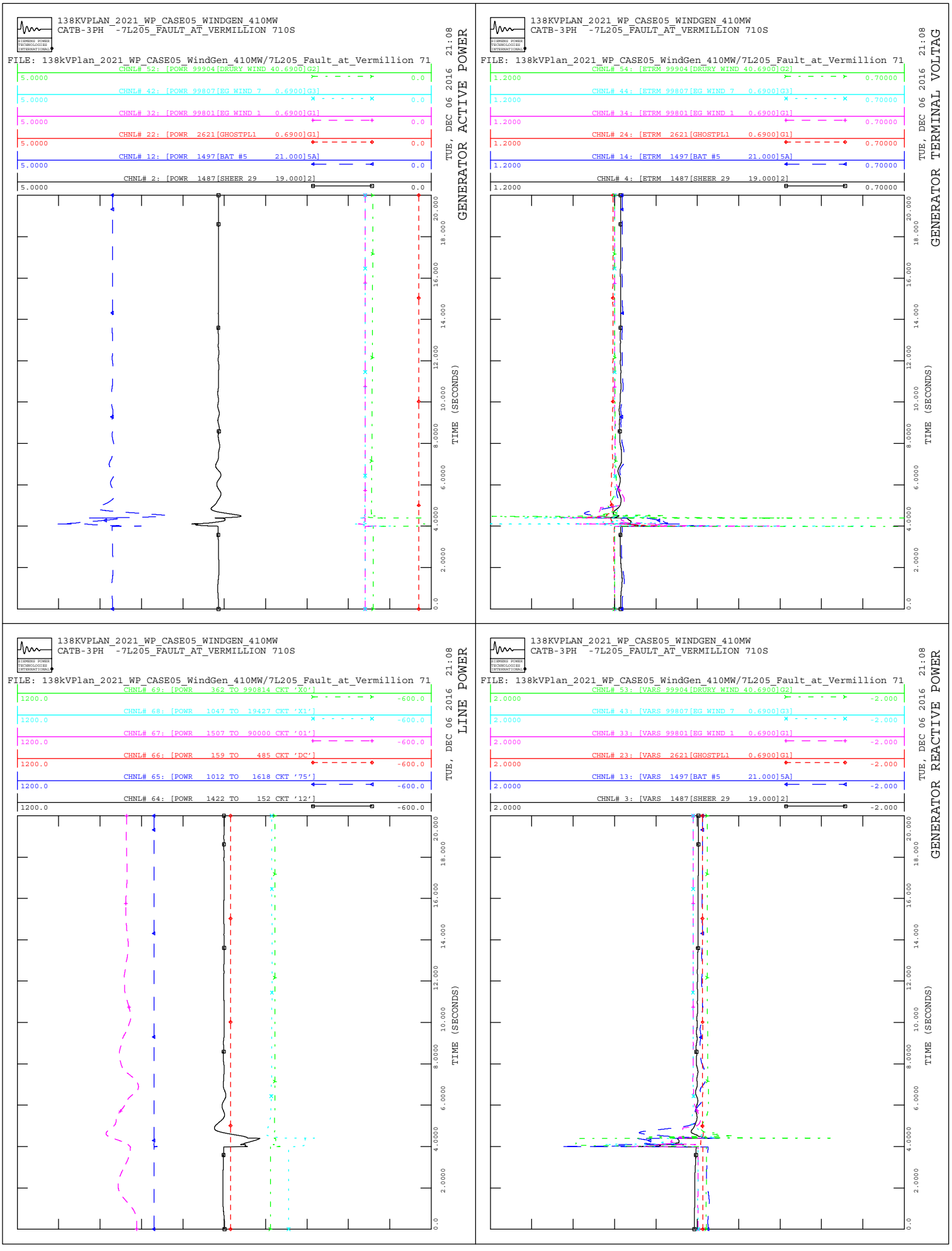
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:08

MACHINE ANGLE



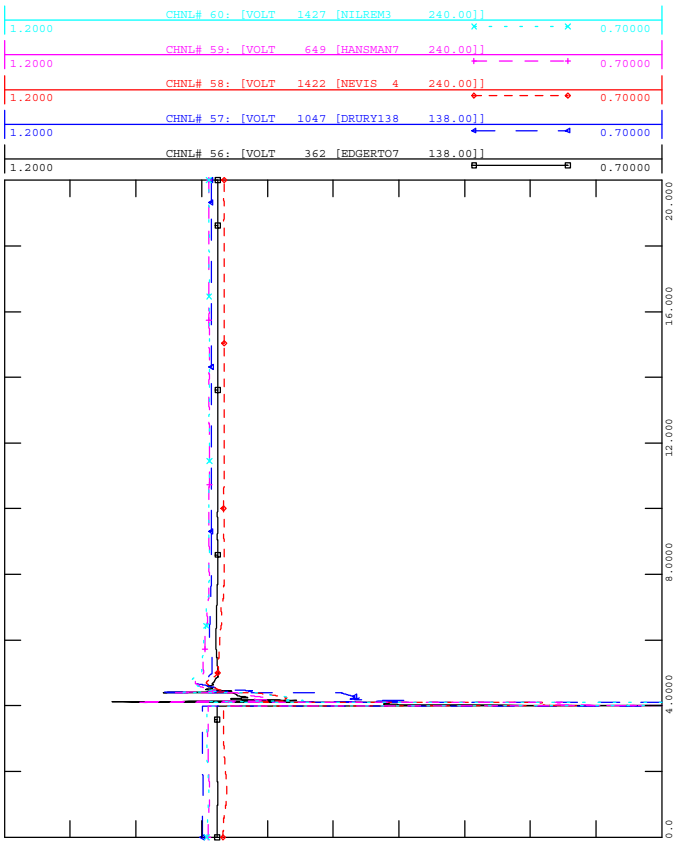

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71
TUE, DEC 06 2016 21:08
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle River

TUE, DEC 06 2016 21:08

BUS VOLTAGE

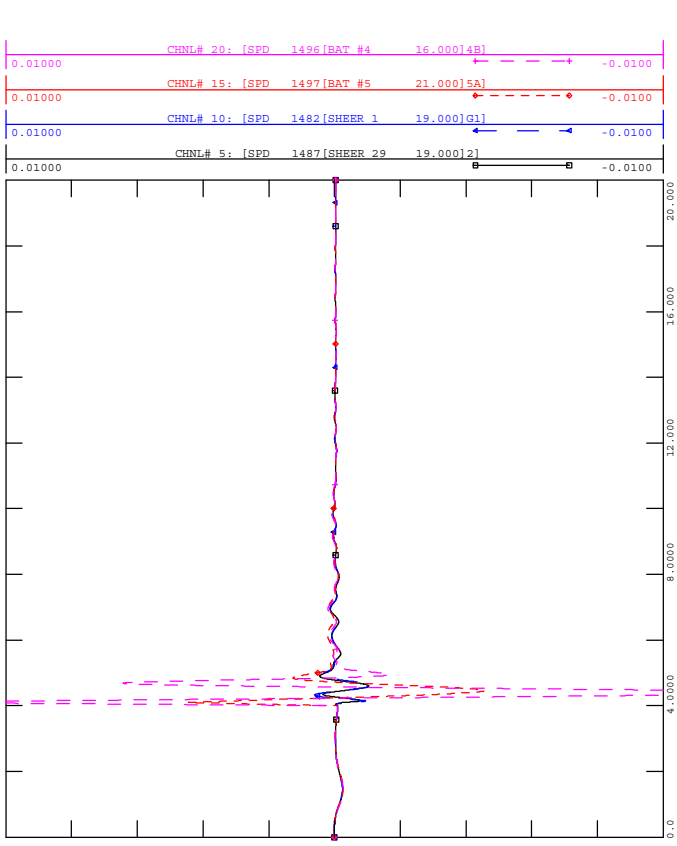


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle River

TUE, DEC 06 2016 21:08

MACHINE SPEED

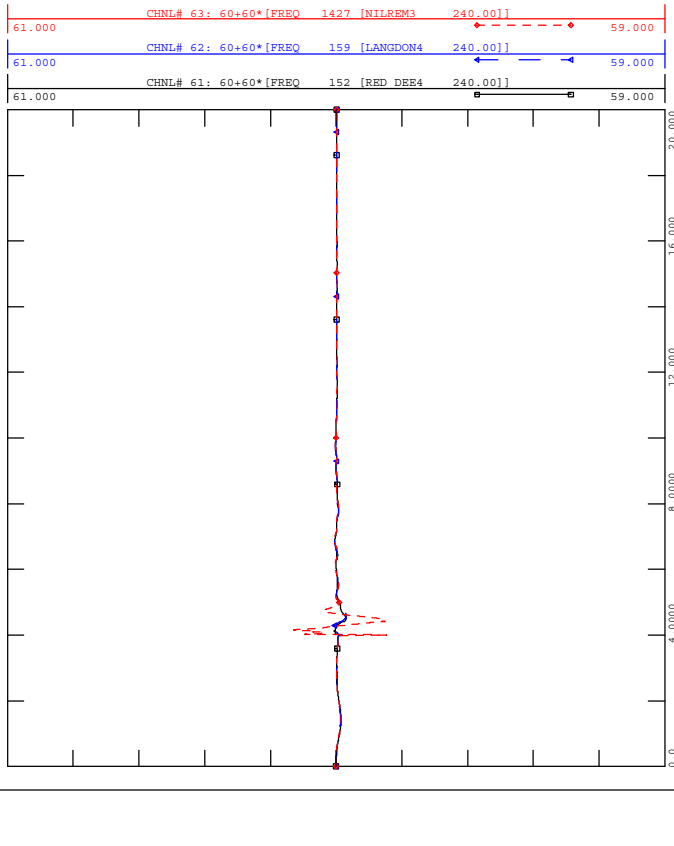


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle River

TUE, DEC 06 2016 21:08

FREQUENCY

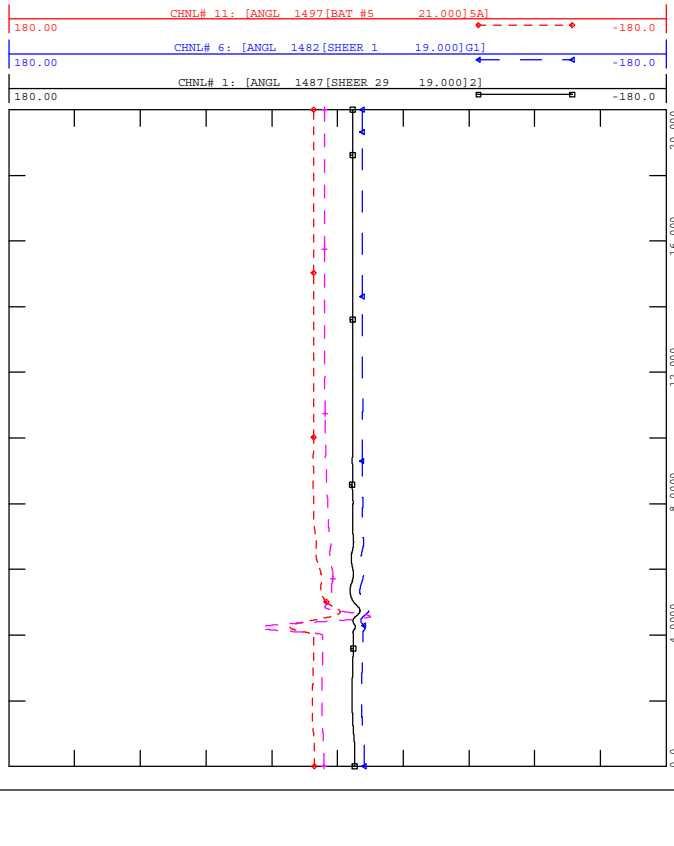


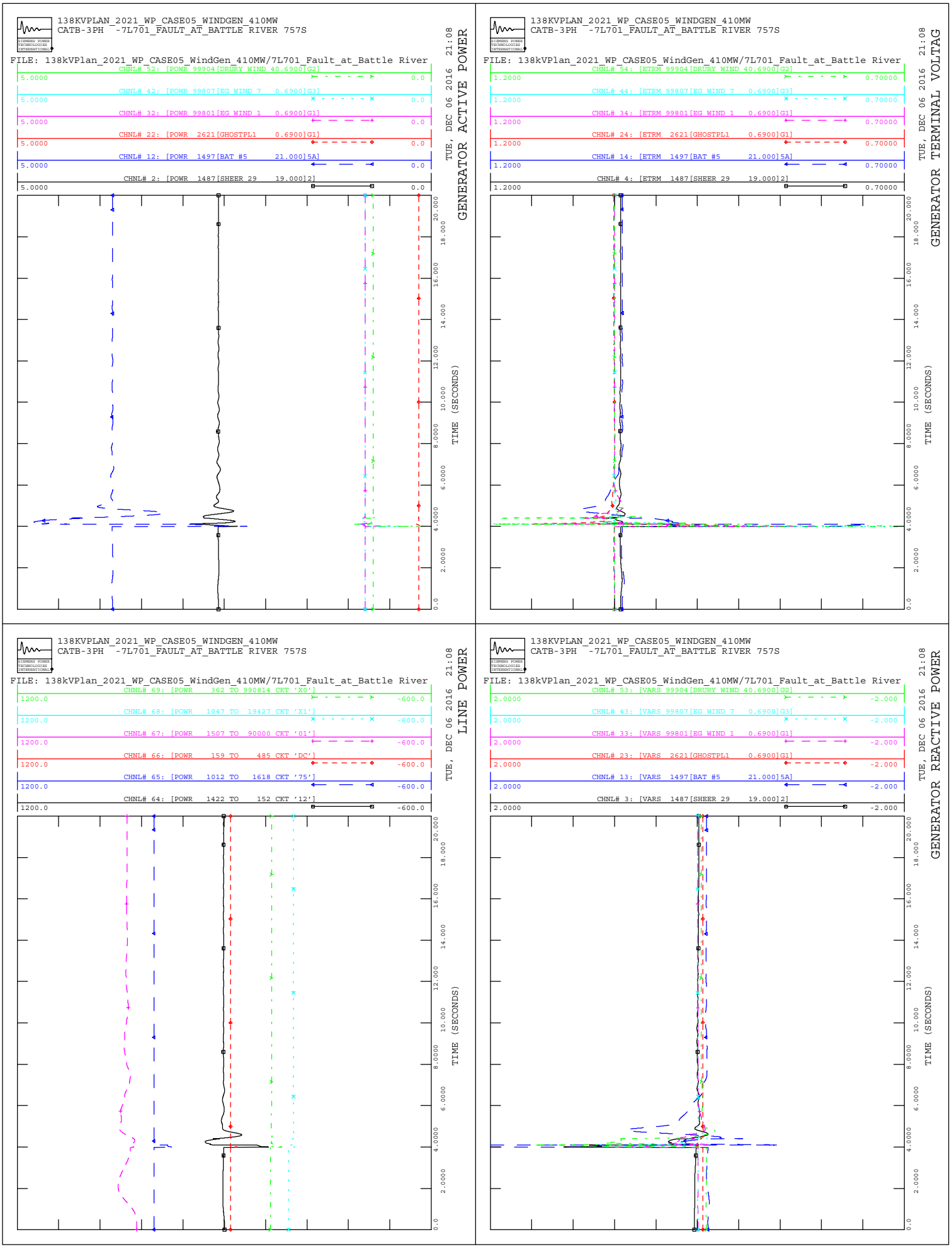
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

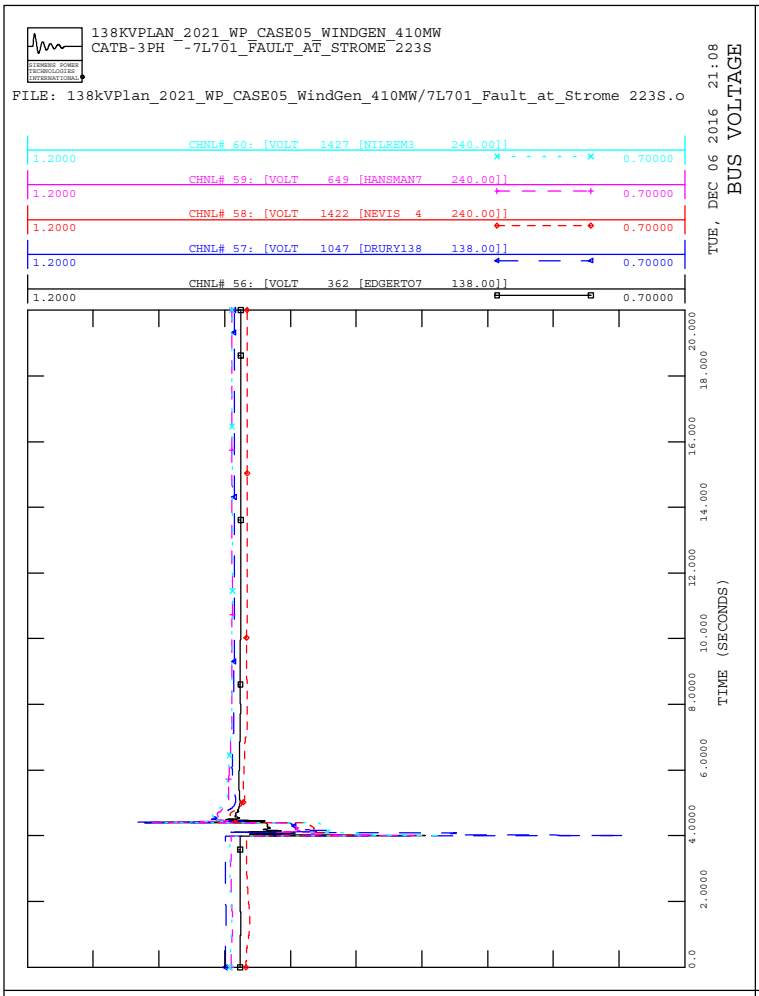
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle River

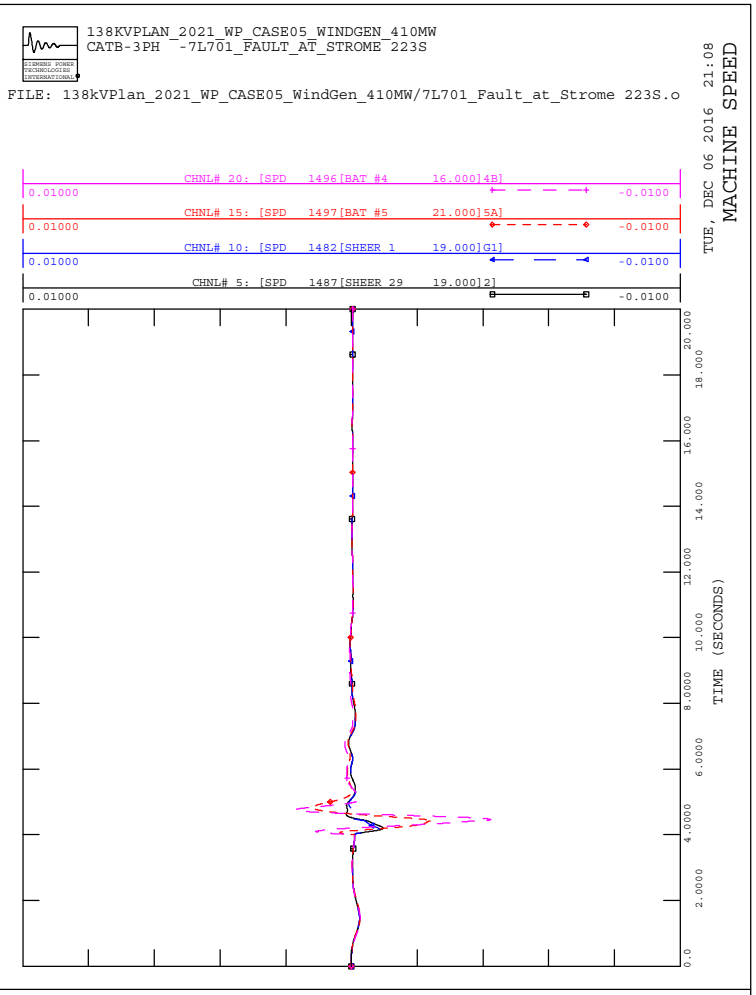
TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle River
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle River
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle River
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle River
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o
TUE, DEC 06 2016 21:08
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o
TUE, DEC 06 2016 21:08
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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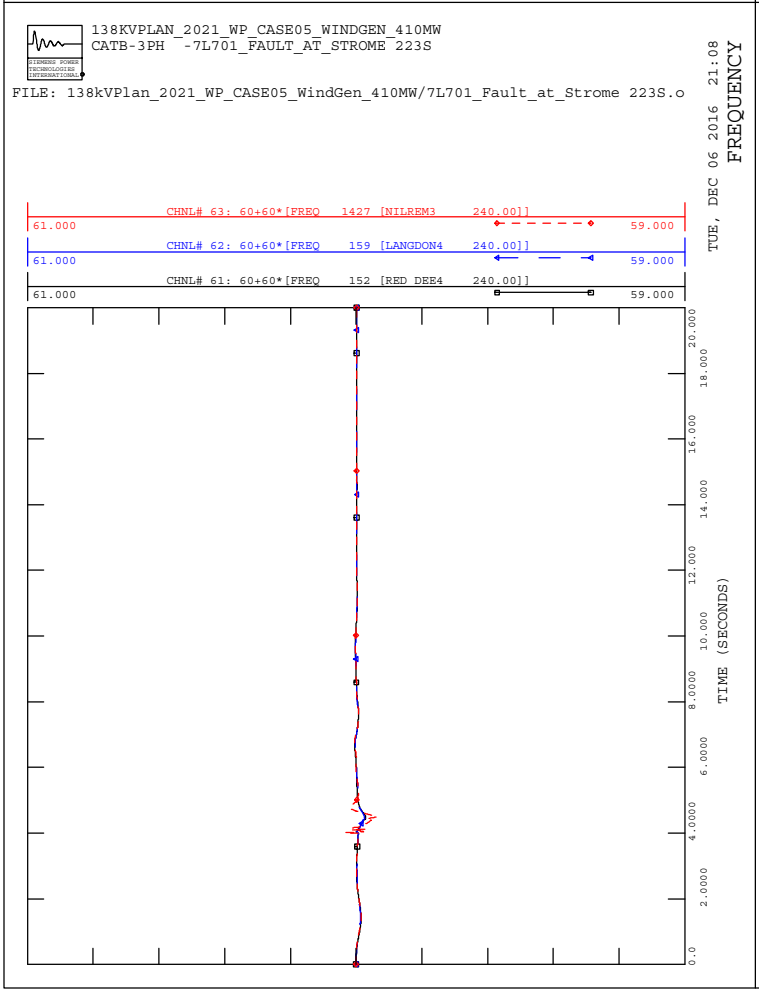
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o
TUE, DEC 06 2016 21:08
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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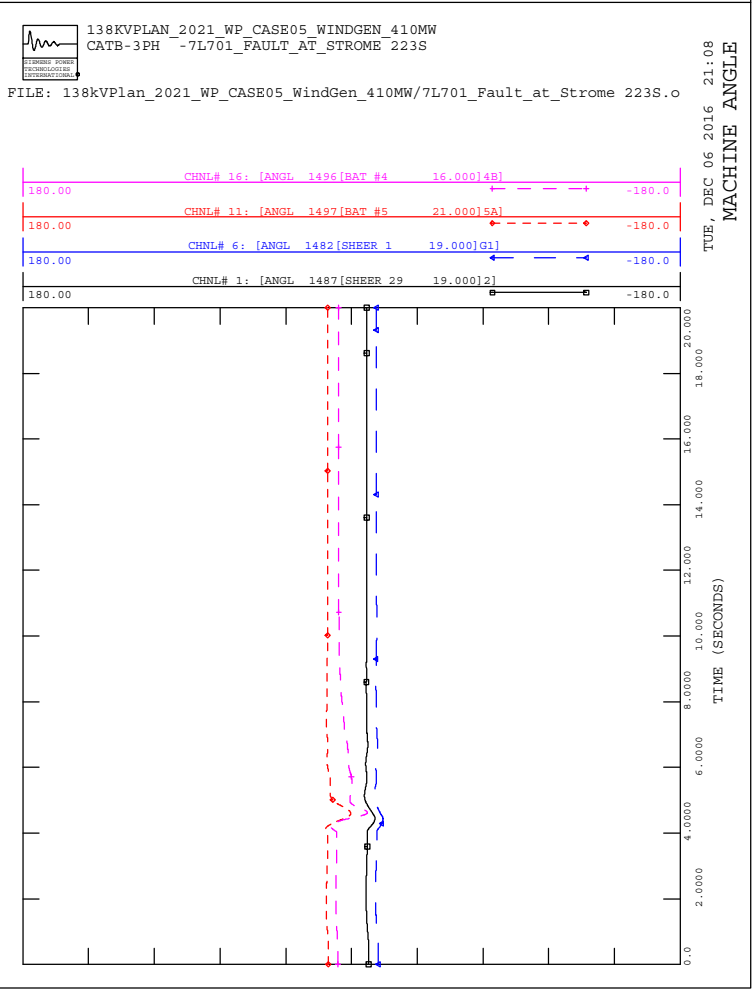
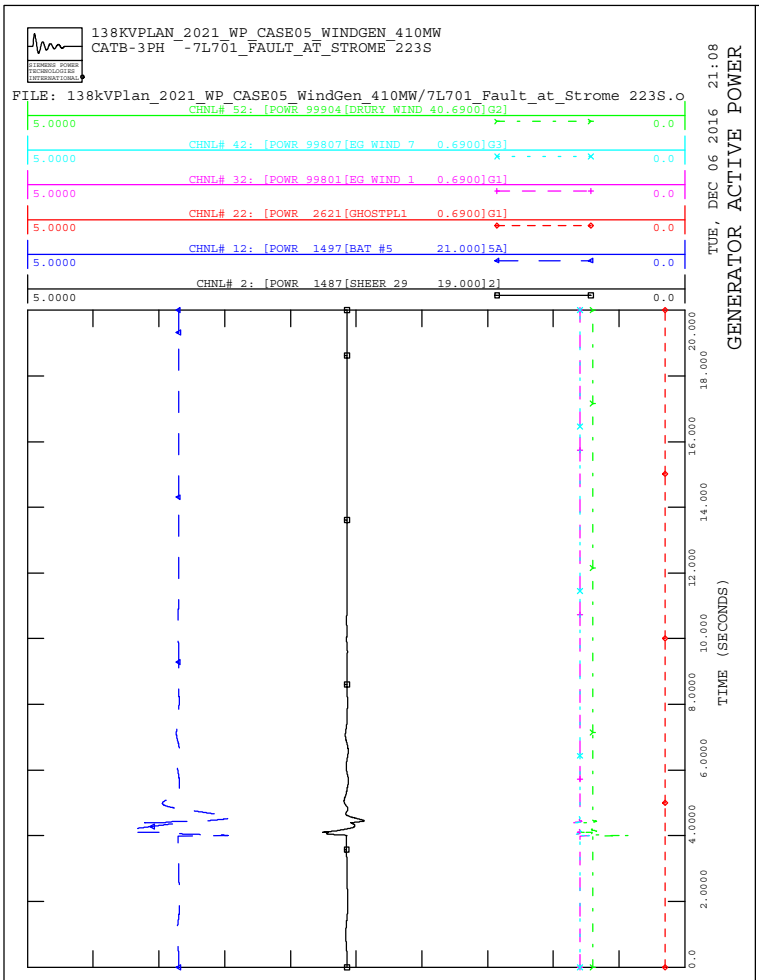
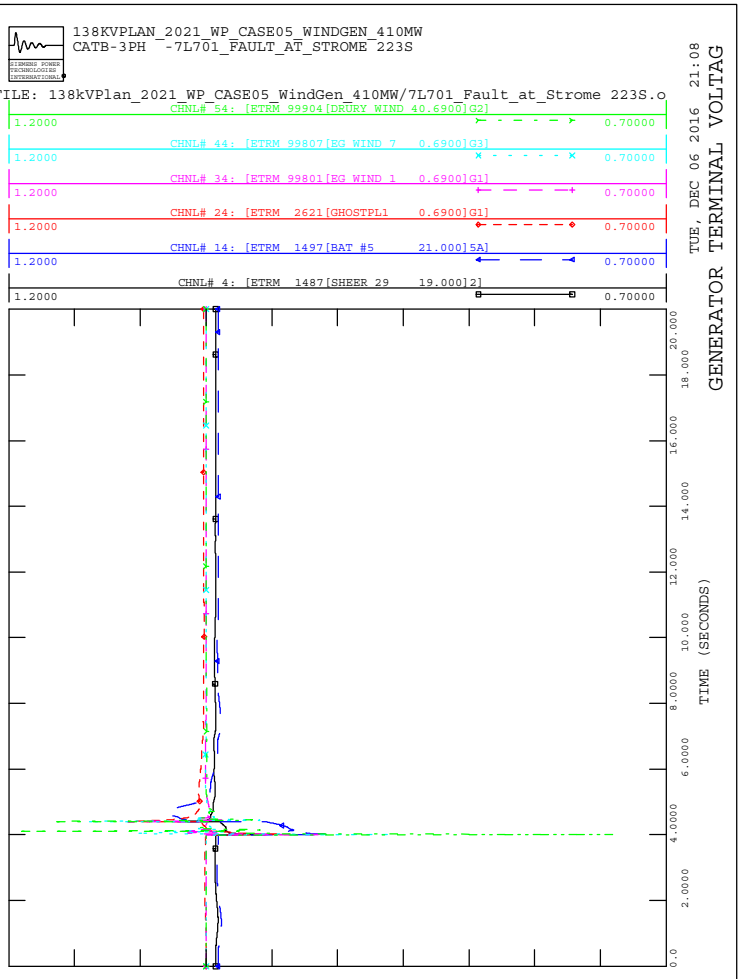
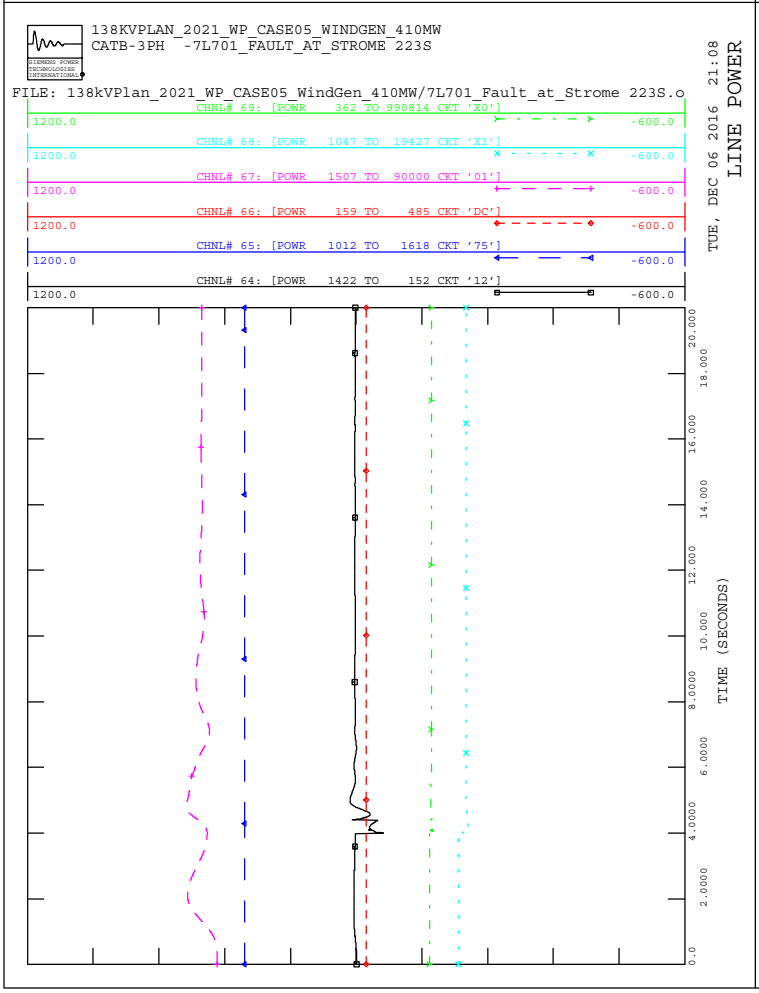
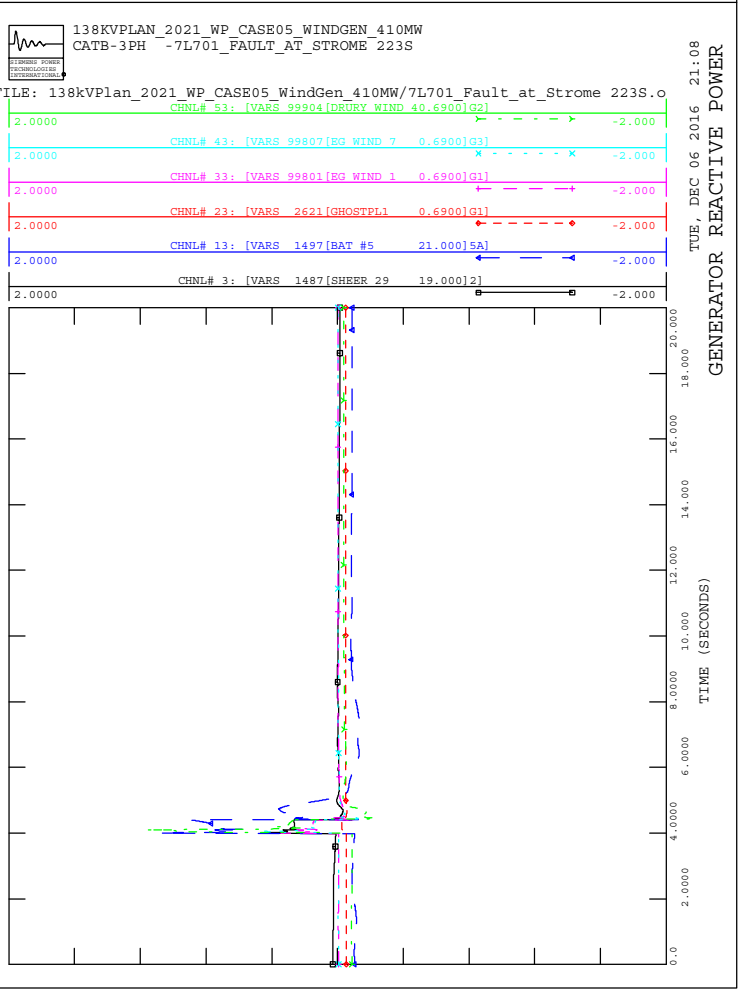
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o
TUE, DEC 06 2016 21:08
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
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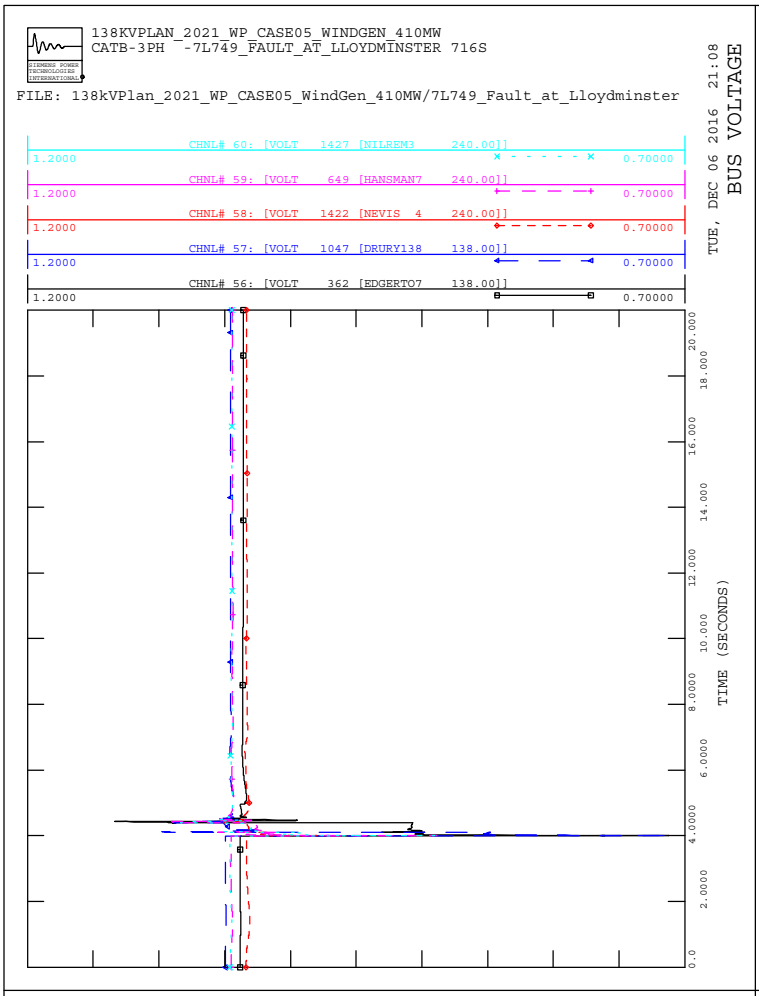
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster
TUE, DEC 06 2016 21:08
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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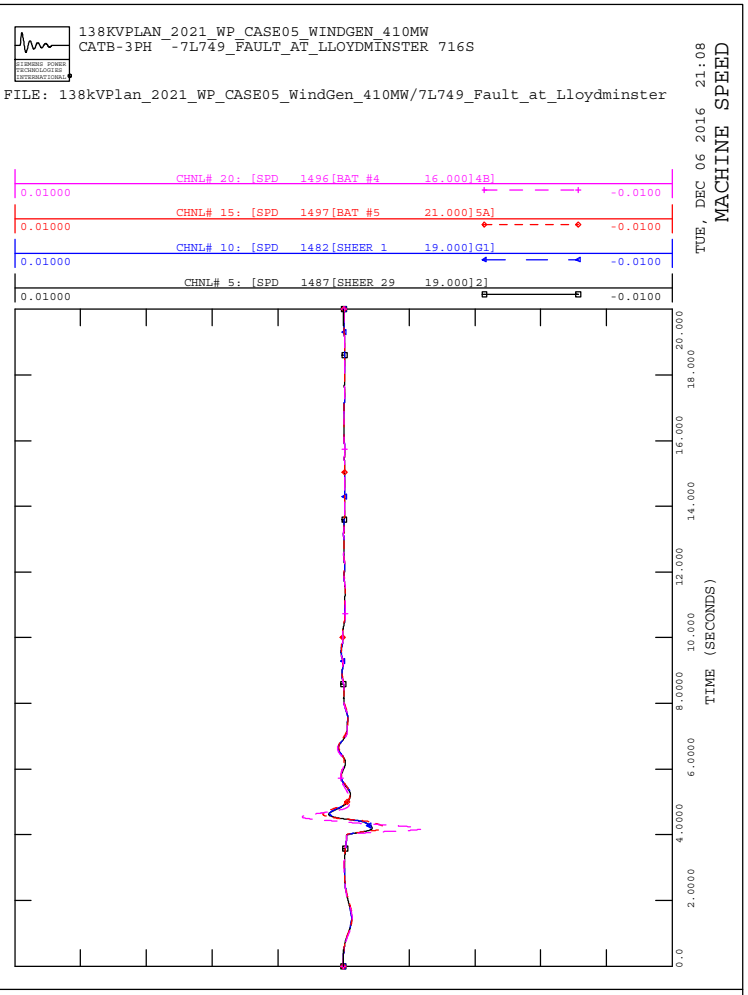
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster
TUE, DEC 06 2016 21:08
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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4.0000
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8.0000
10.000
12.000
14.000
16.000
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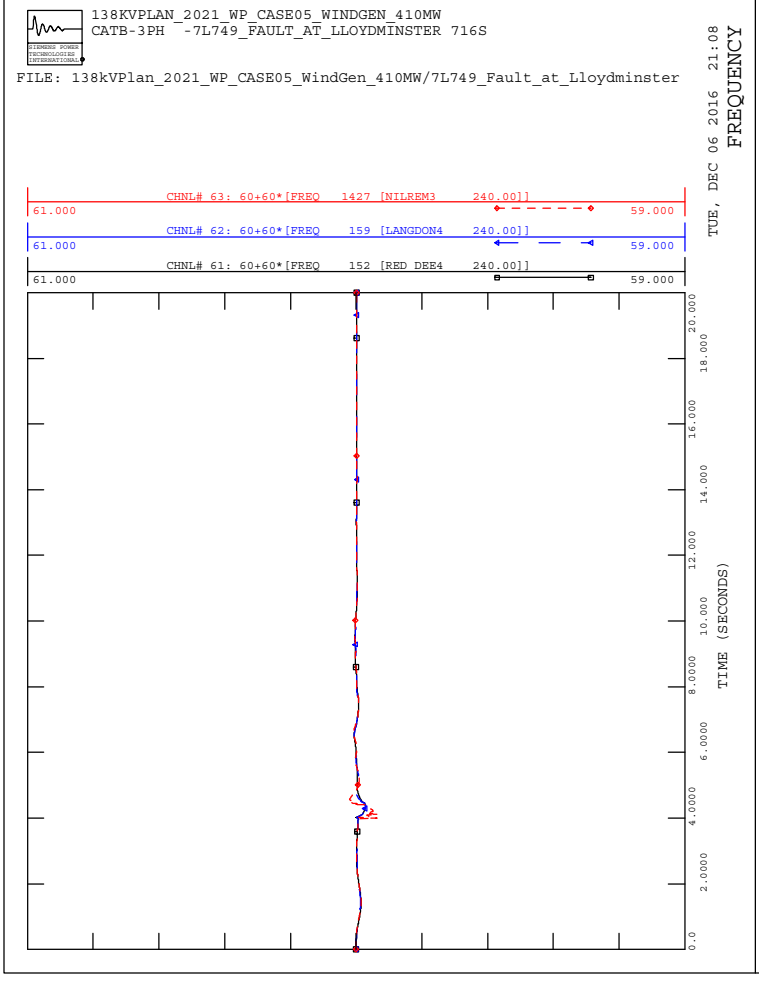
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster
TUE, DEC 06 2016 21:08
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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4.0000
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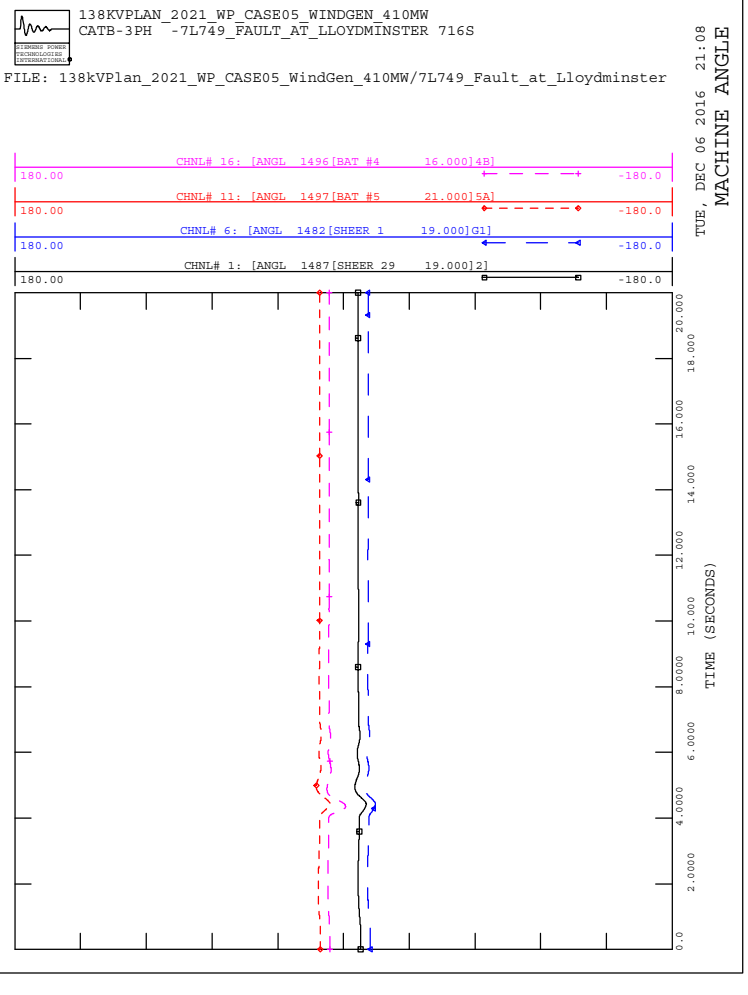
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster
TUE, DEC 06 2016 21:08
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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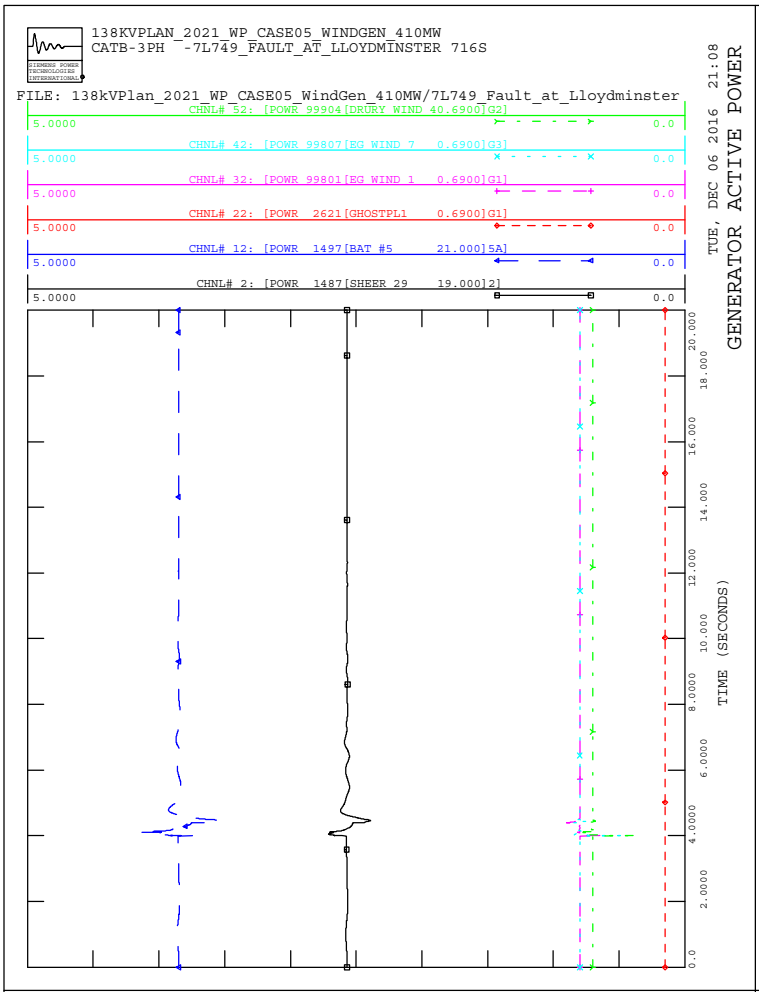
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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4.0000
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8.0000
10.000
12.000
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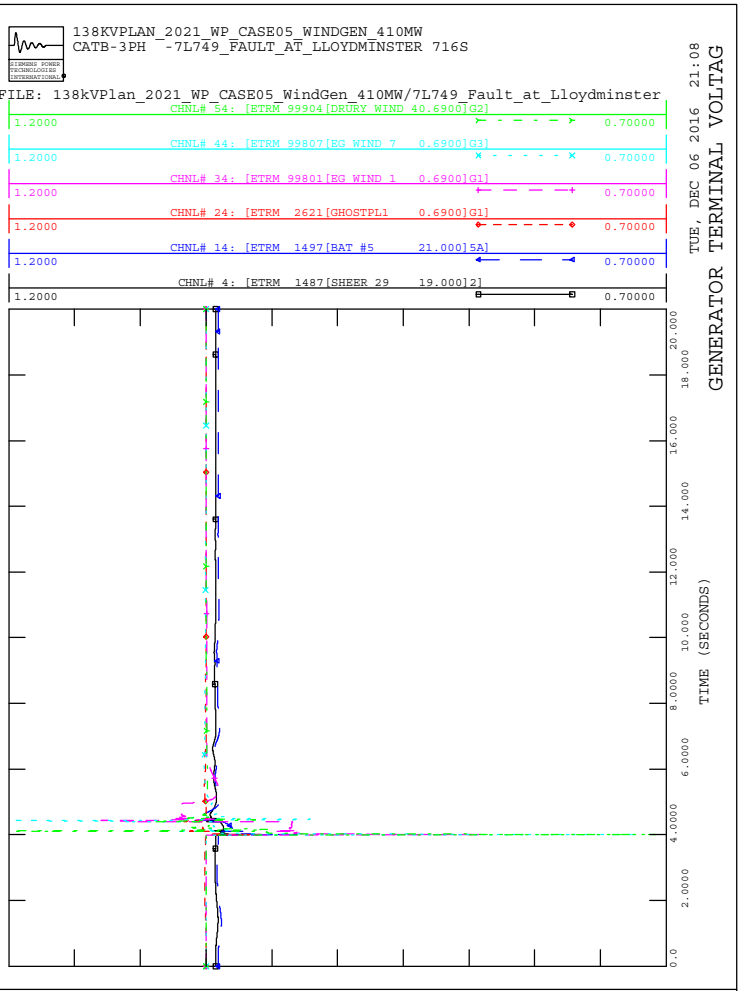
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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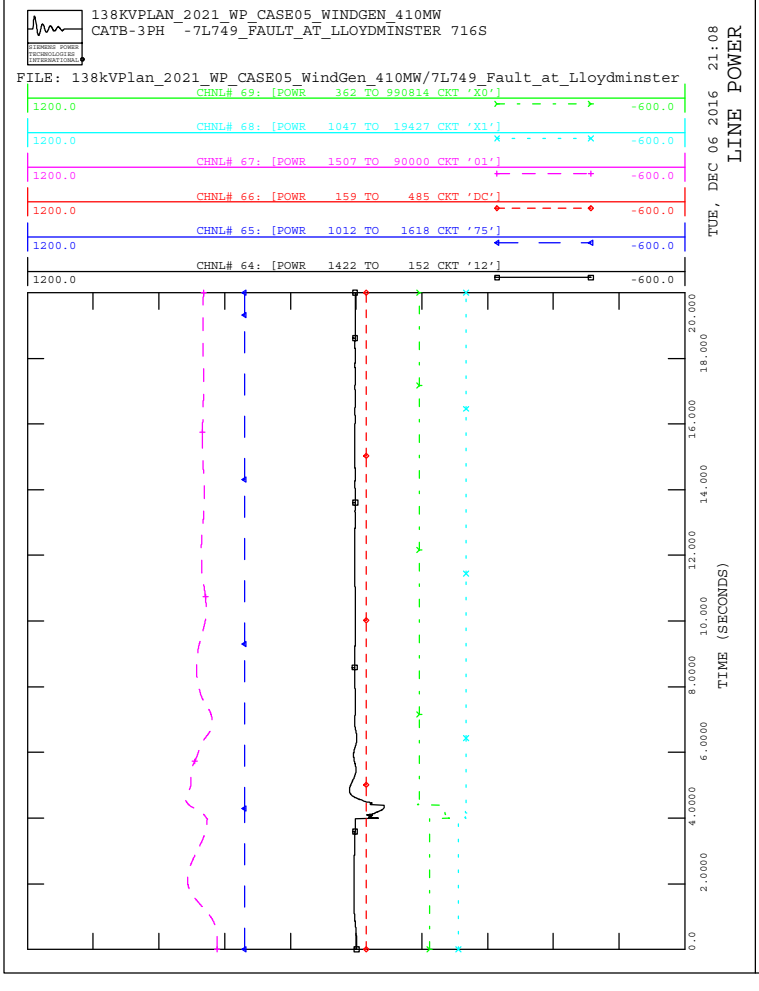
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
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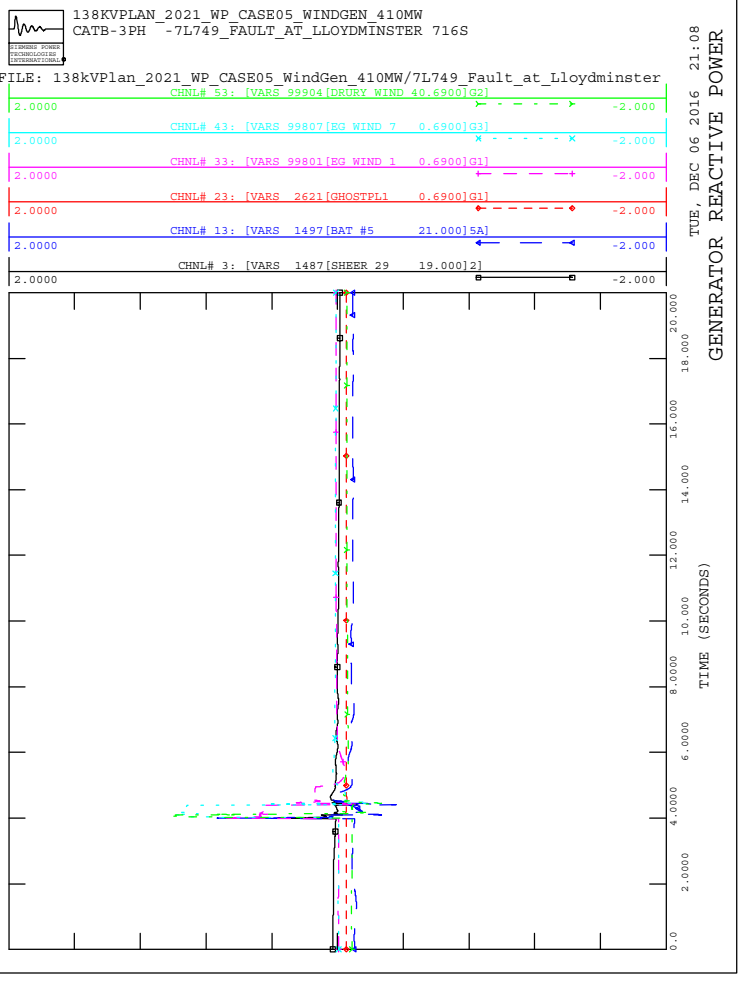
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

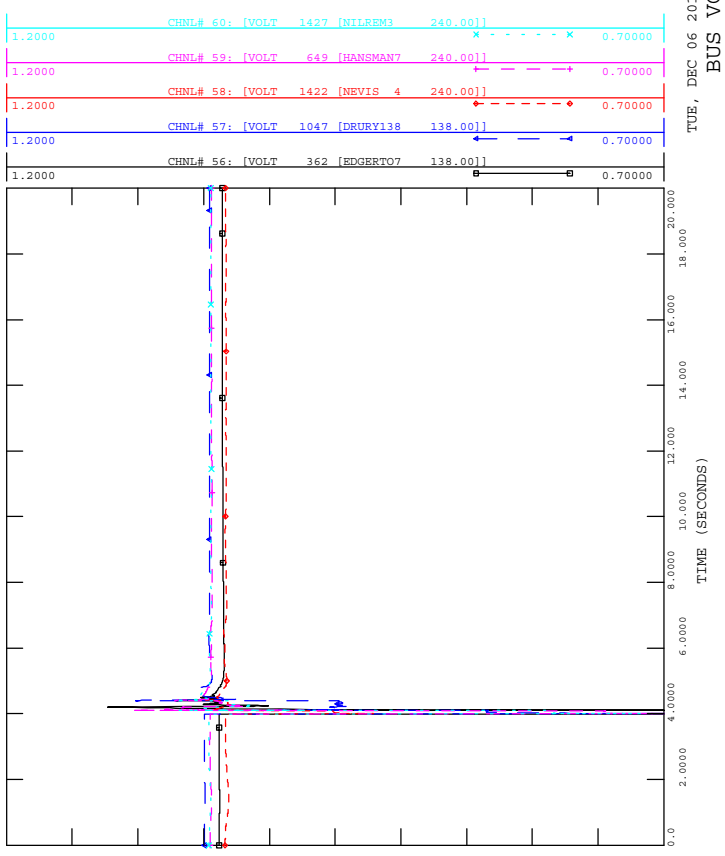

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:08

BUS VOLTAGE

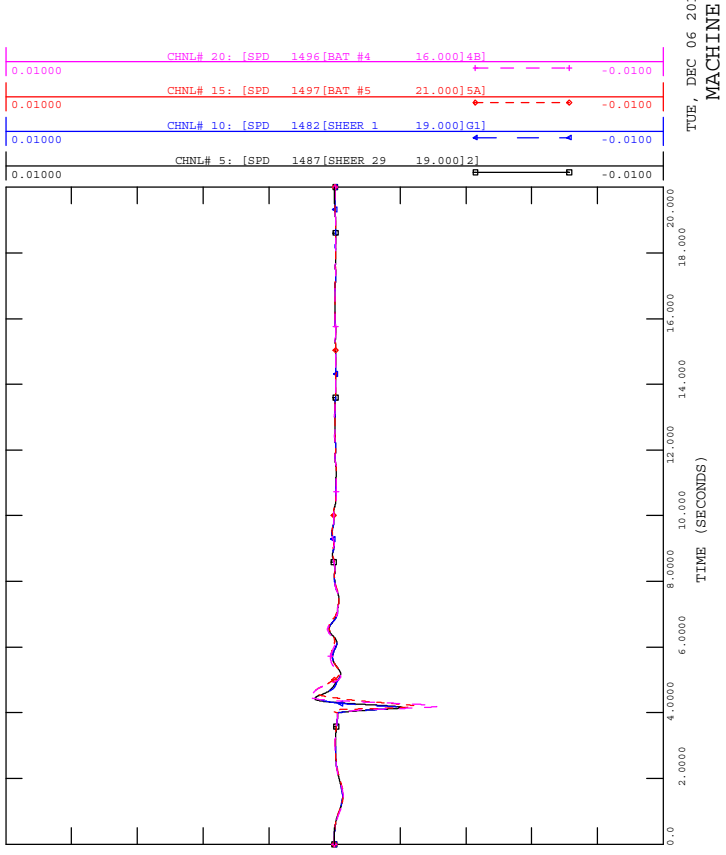


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:08

MACHINE SPEED

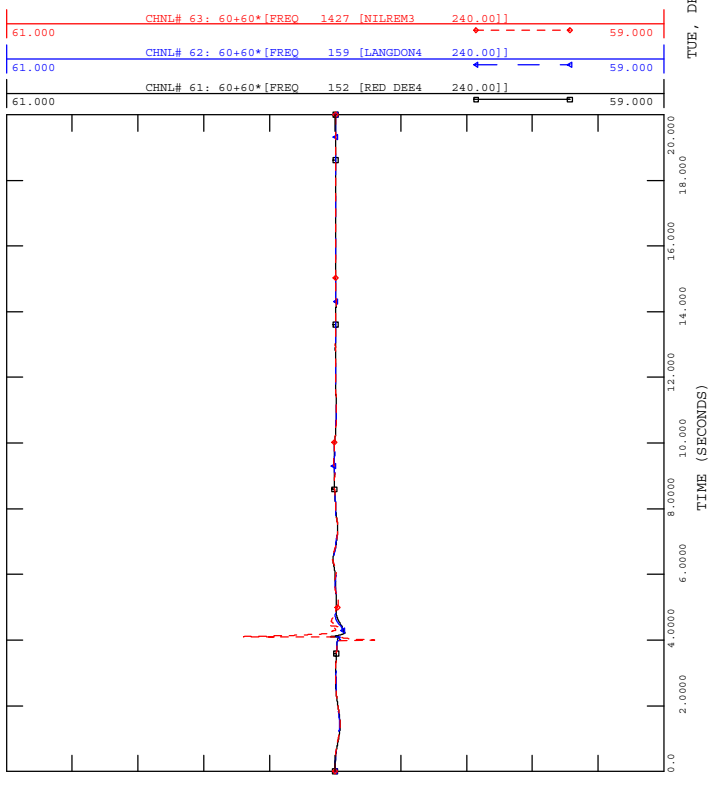


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:08

FREQUENCY

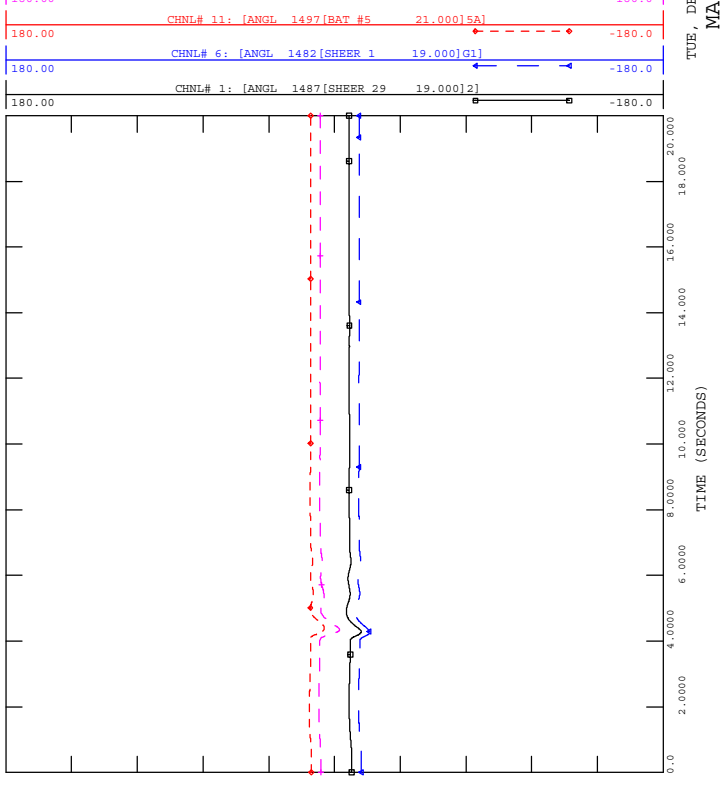


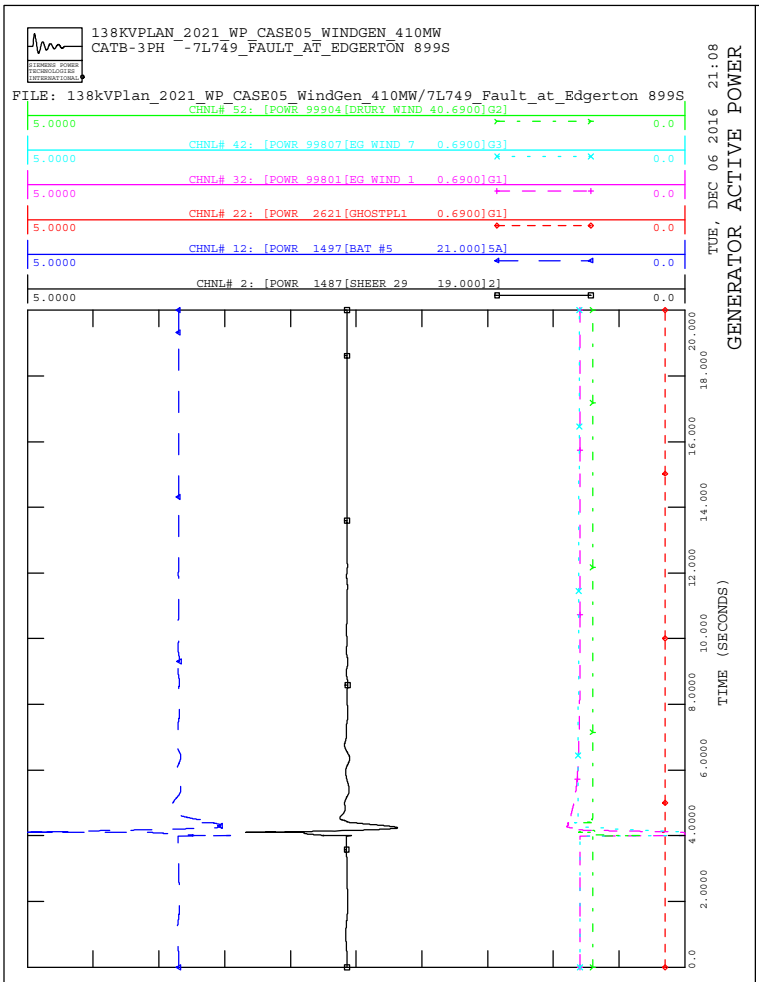
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
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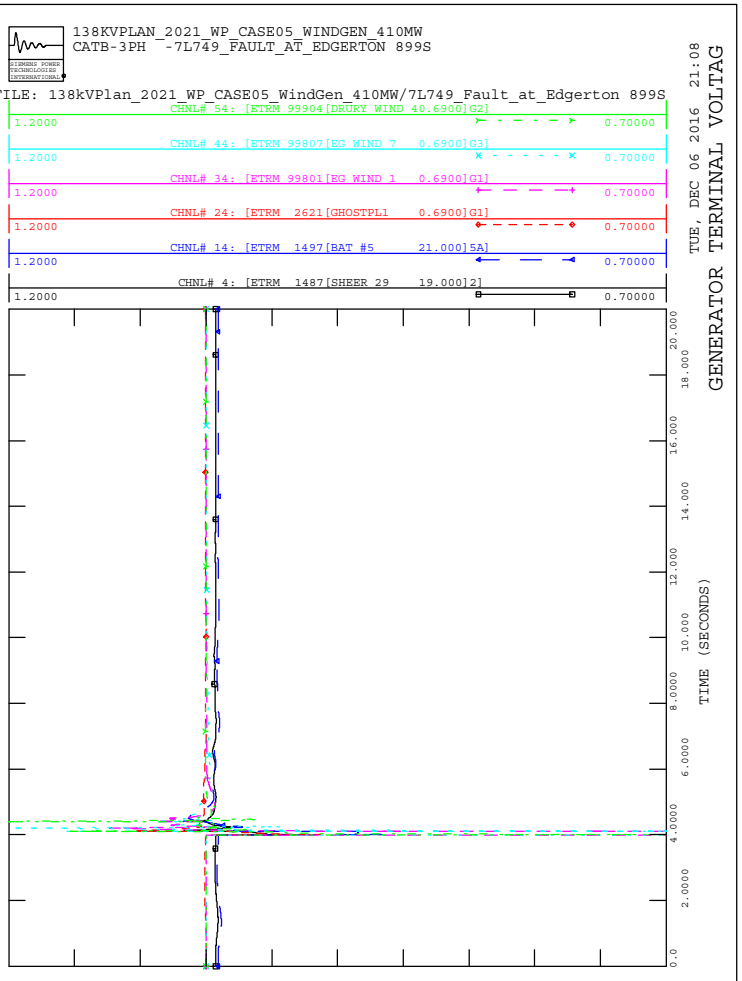
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
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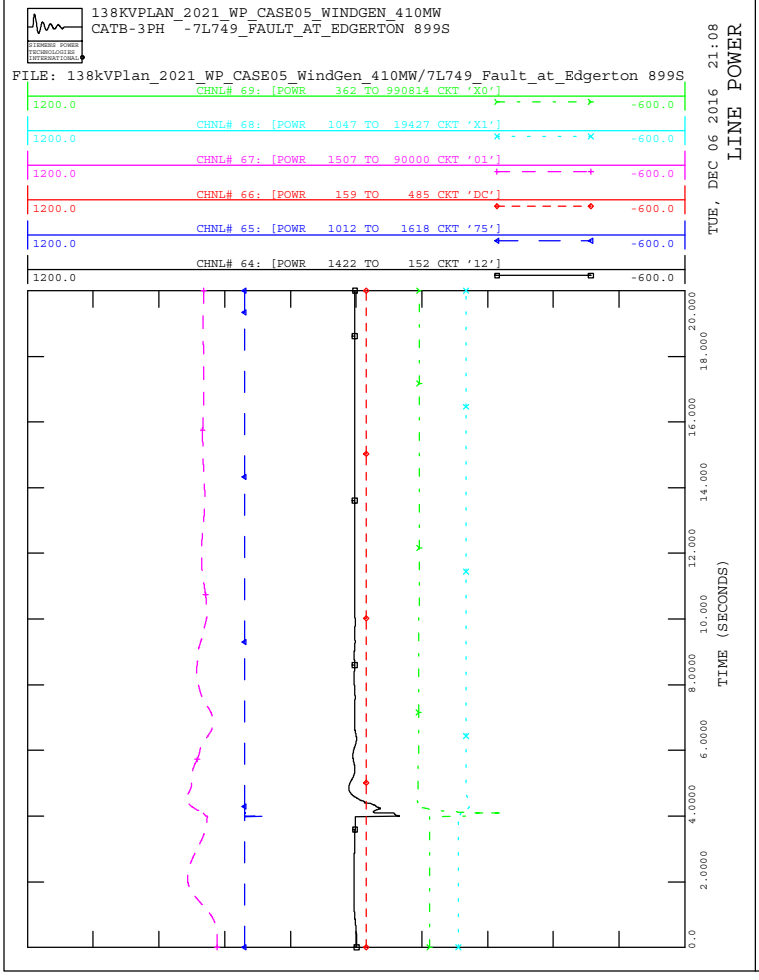
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
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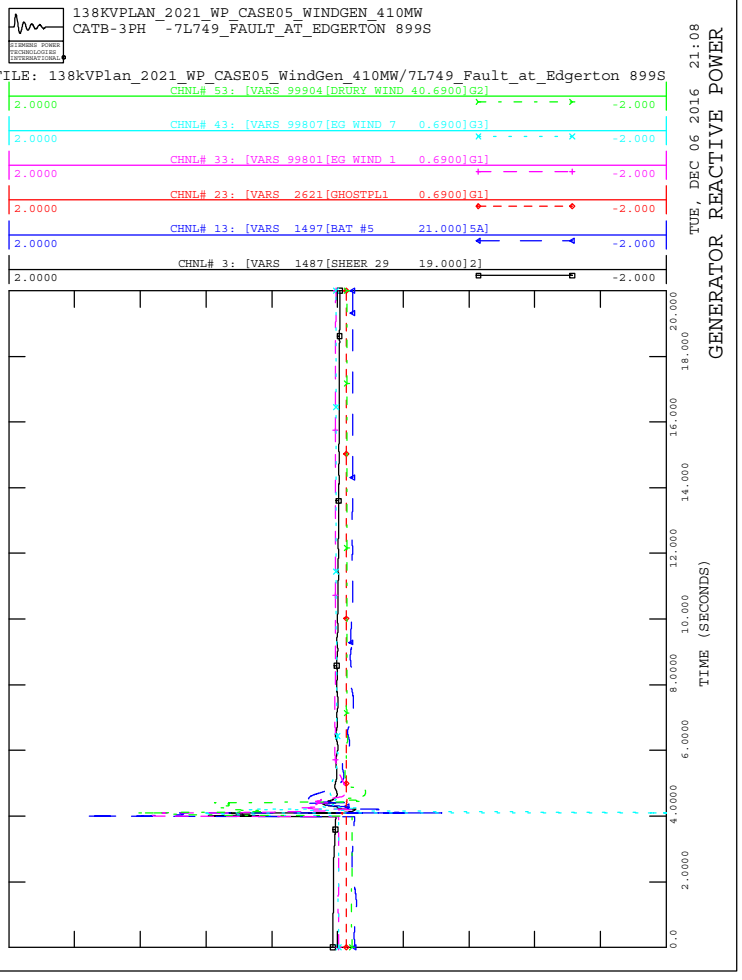
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
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4.0000
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12.000
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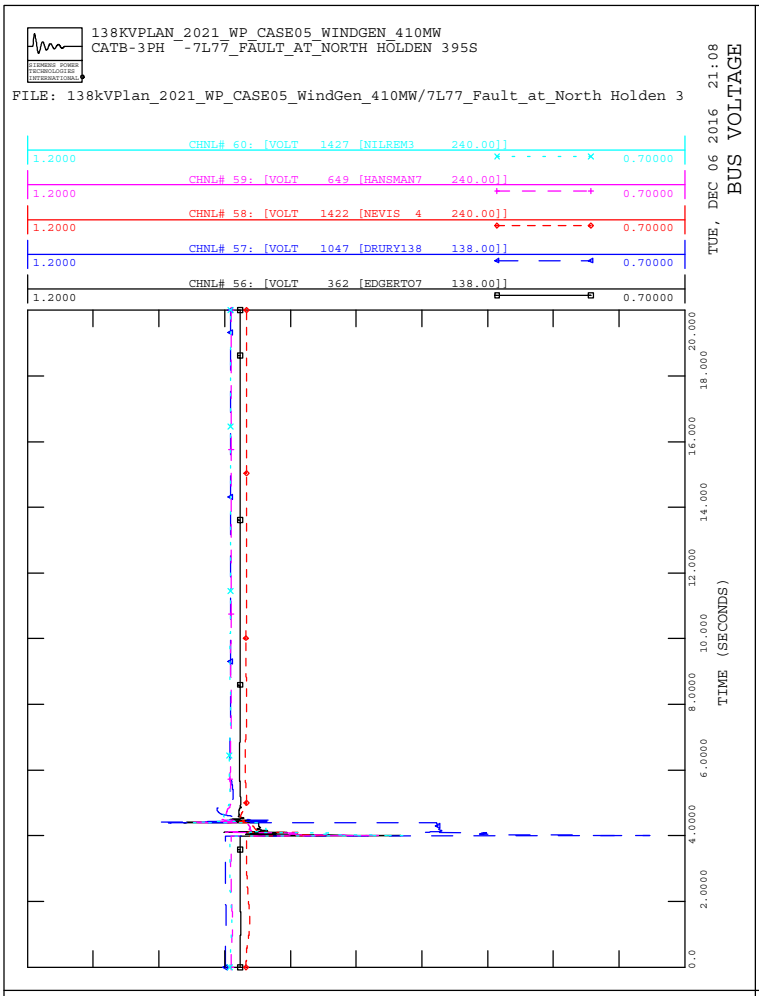
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3
TUE, DEC 06 2016 21:08
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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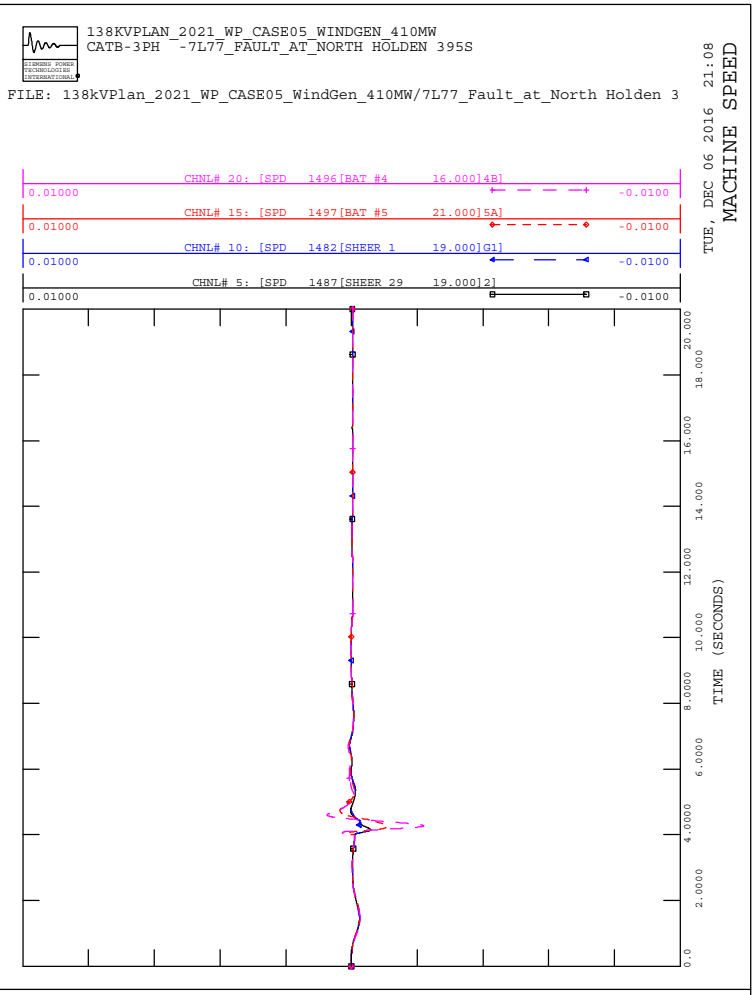
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3
TUE, DEC 06 2016 21:08
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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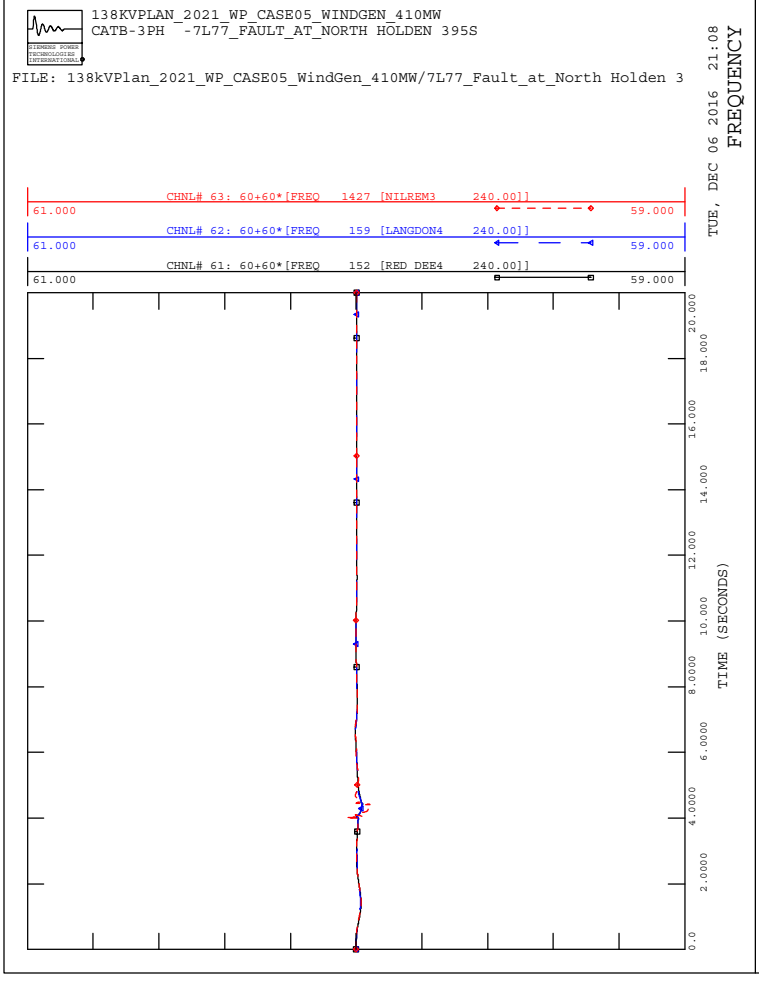
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3
TUE, DEC 06 2016 21:08
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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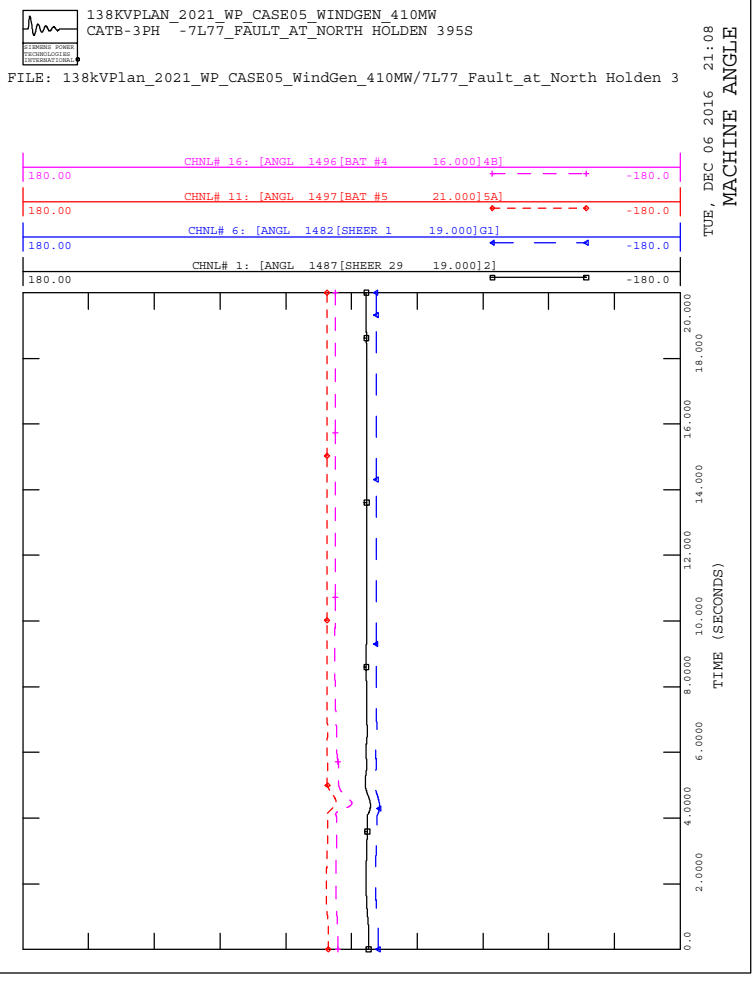
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3
TUE, DEC 06 2016 21:08
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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4.0000
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12.000
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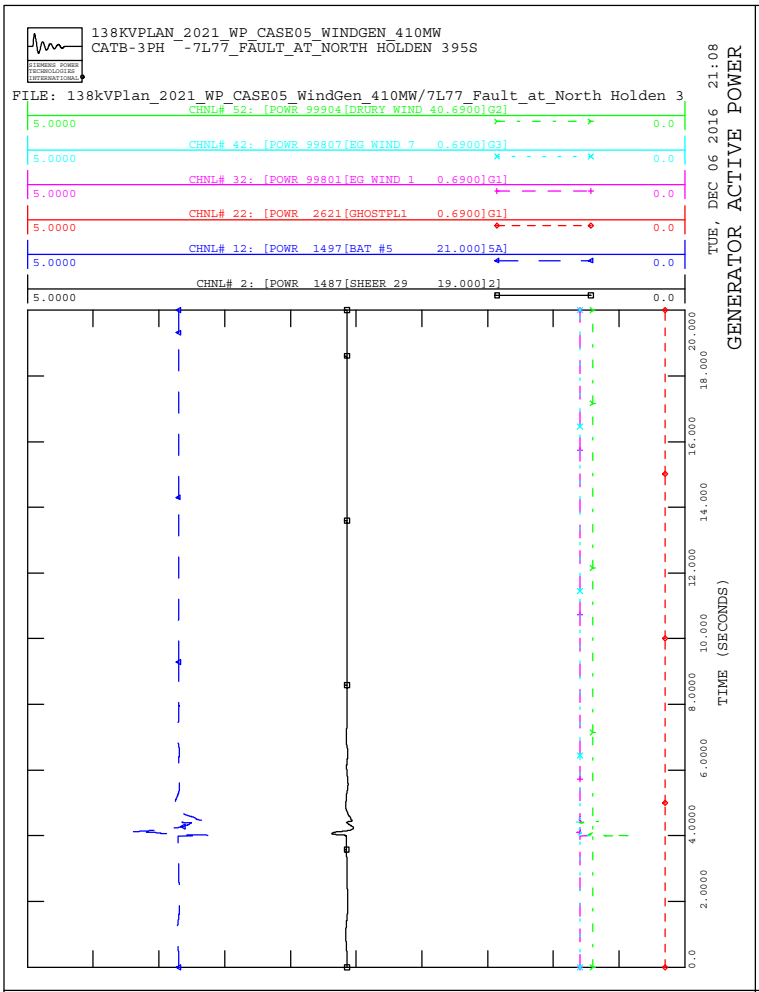
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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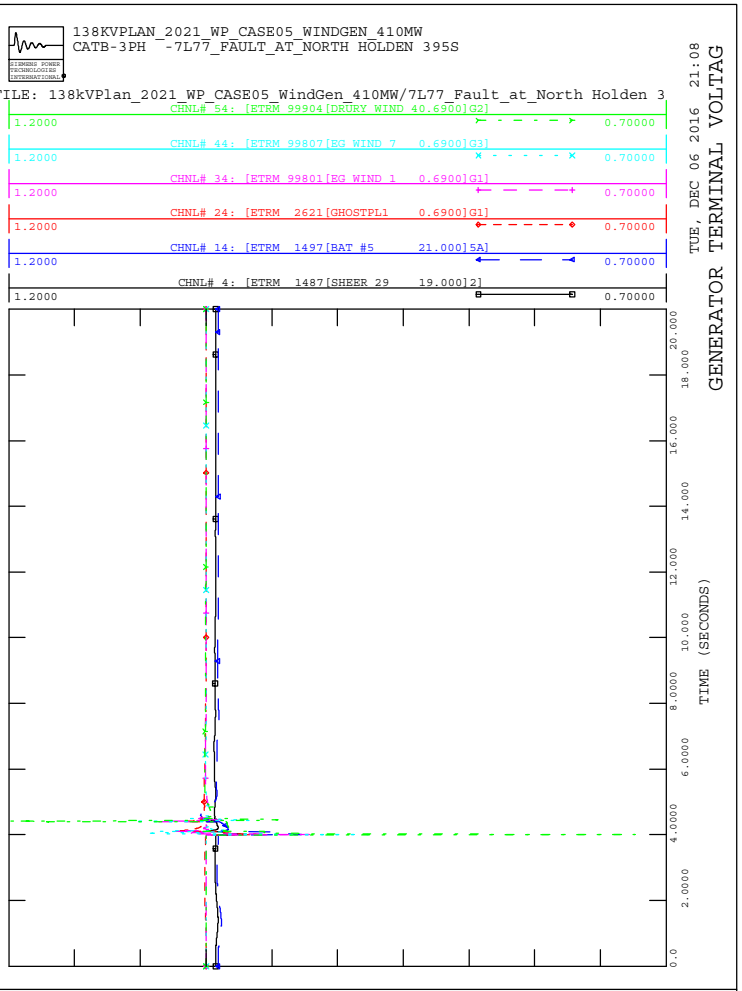
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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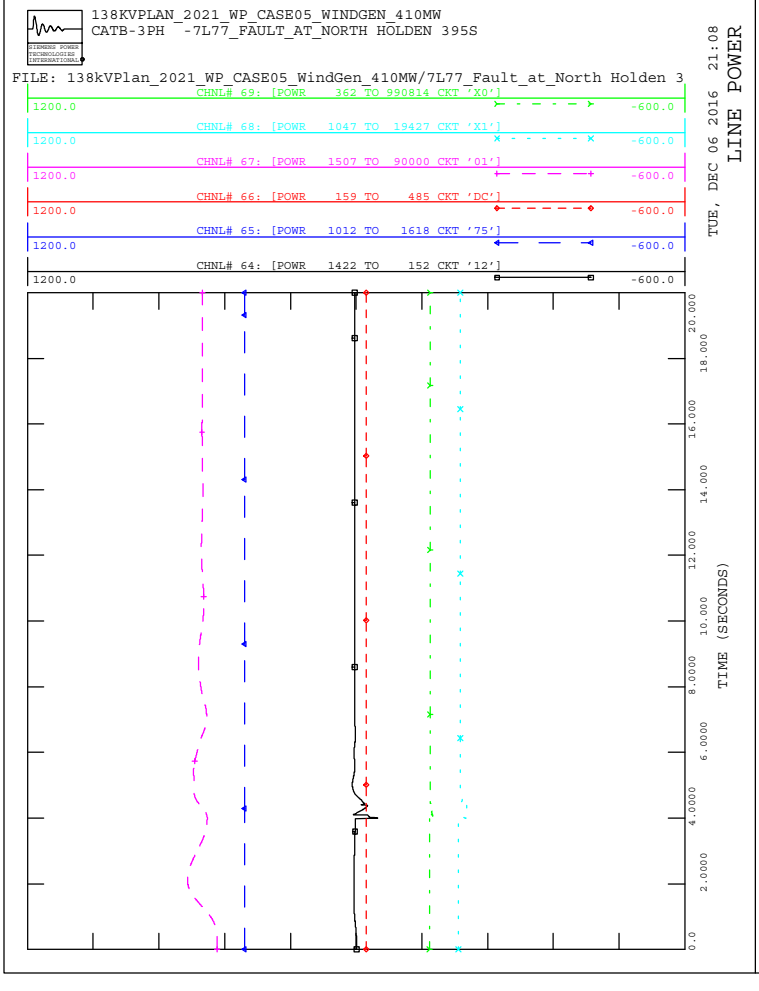
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
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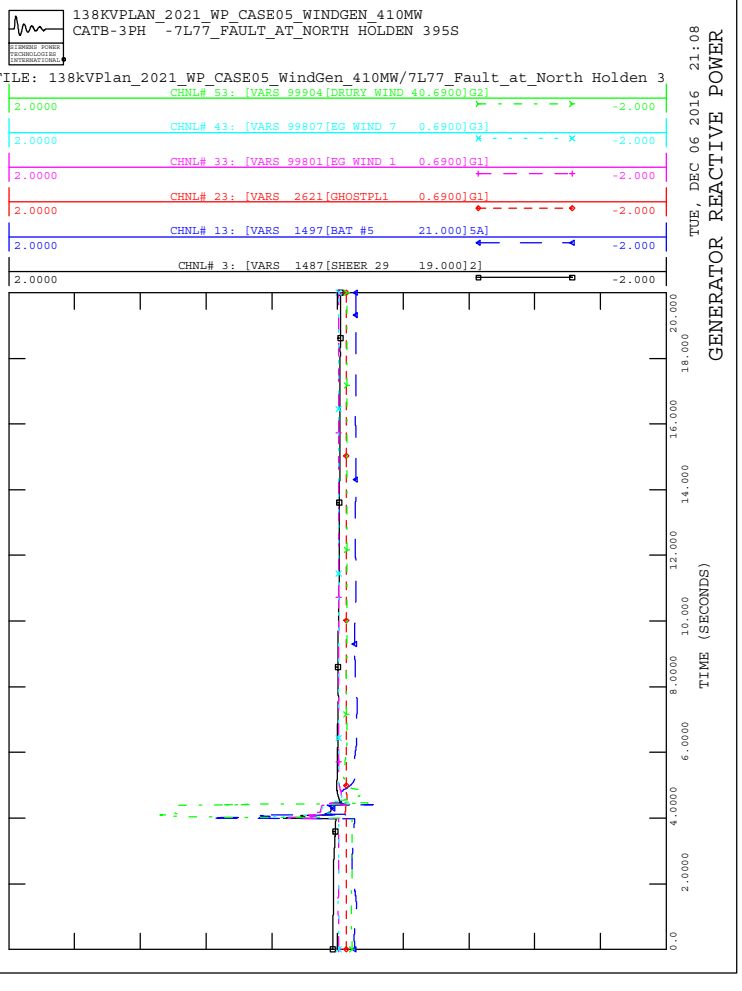
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CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
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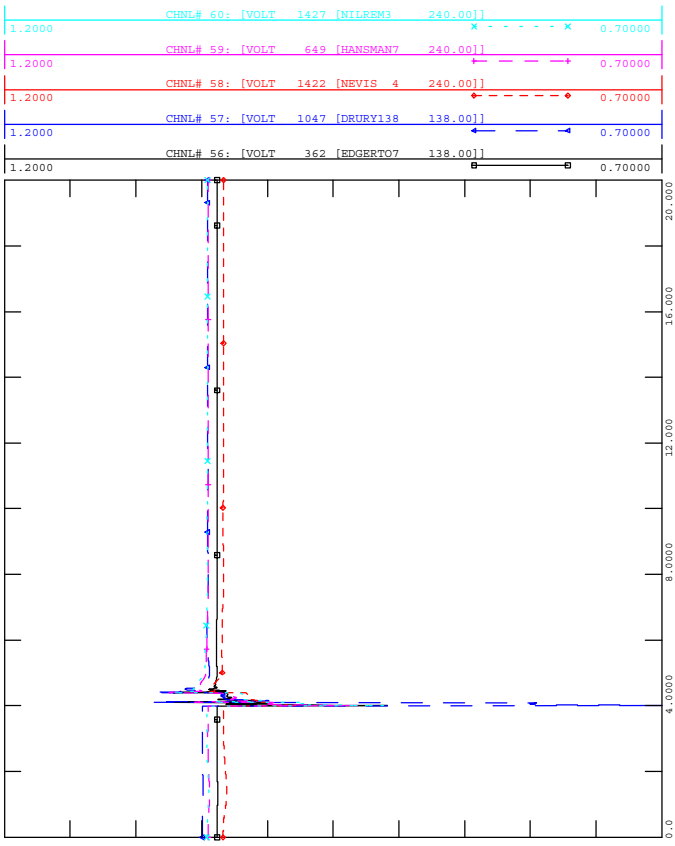
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:08

BUS VOLTAGE



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709

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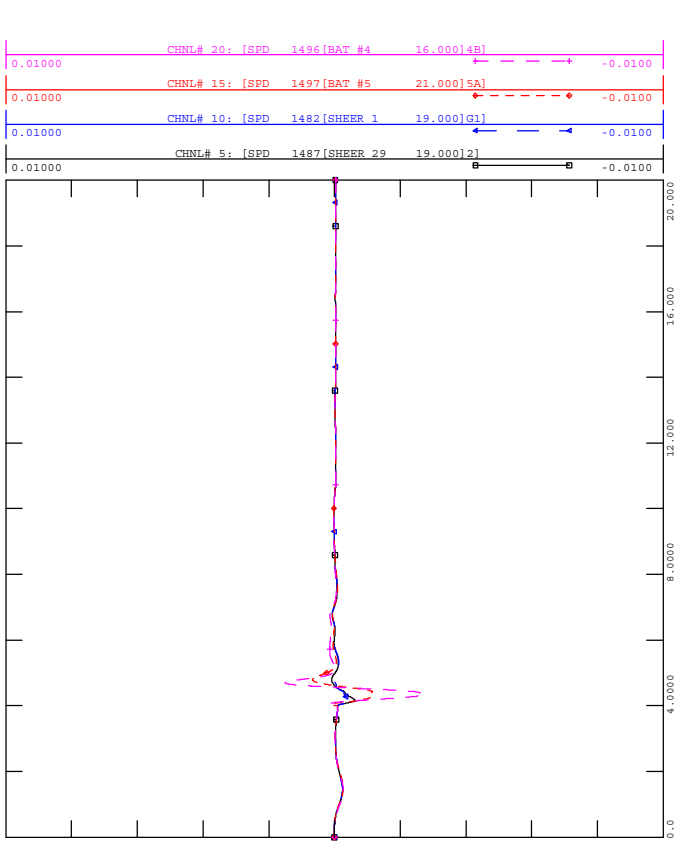
MACHINE SPEED

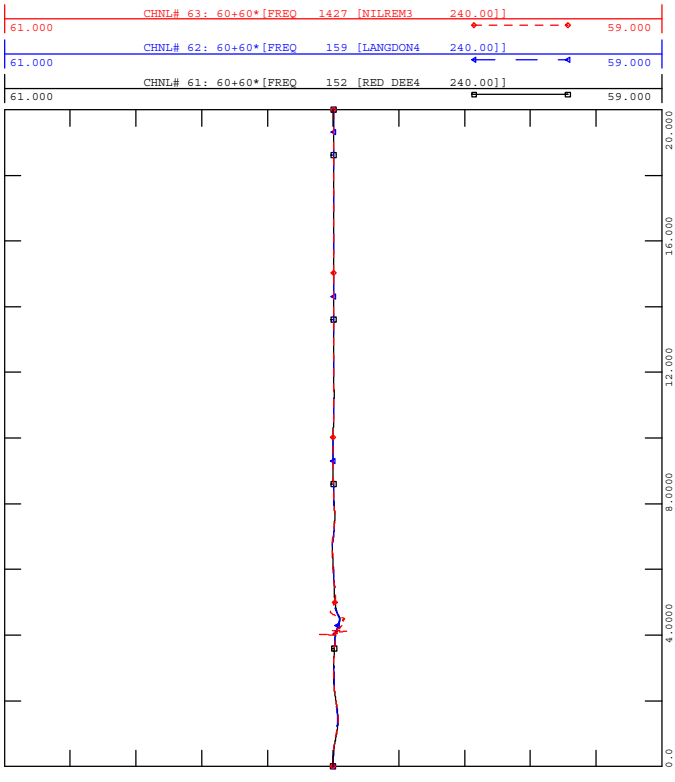


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:08

FREQUENCY

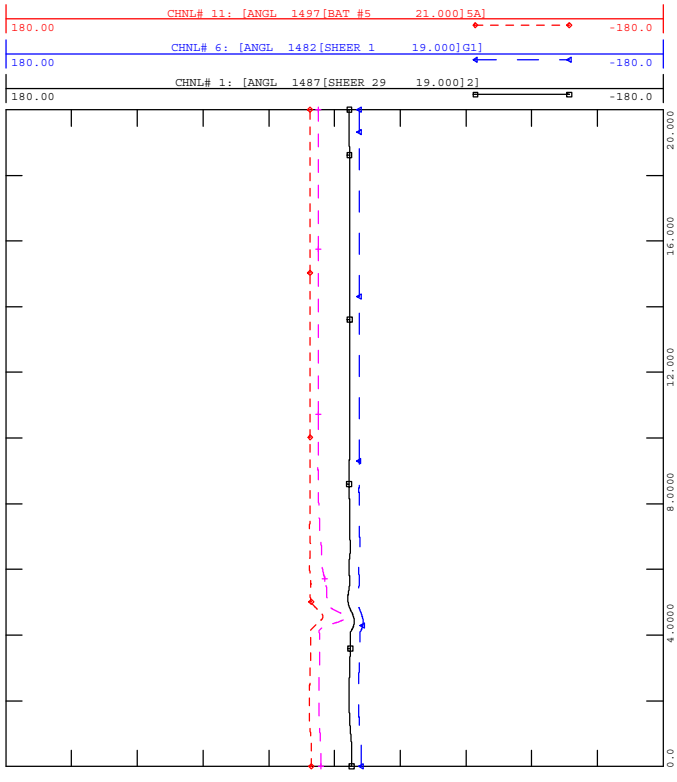


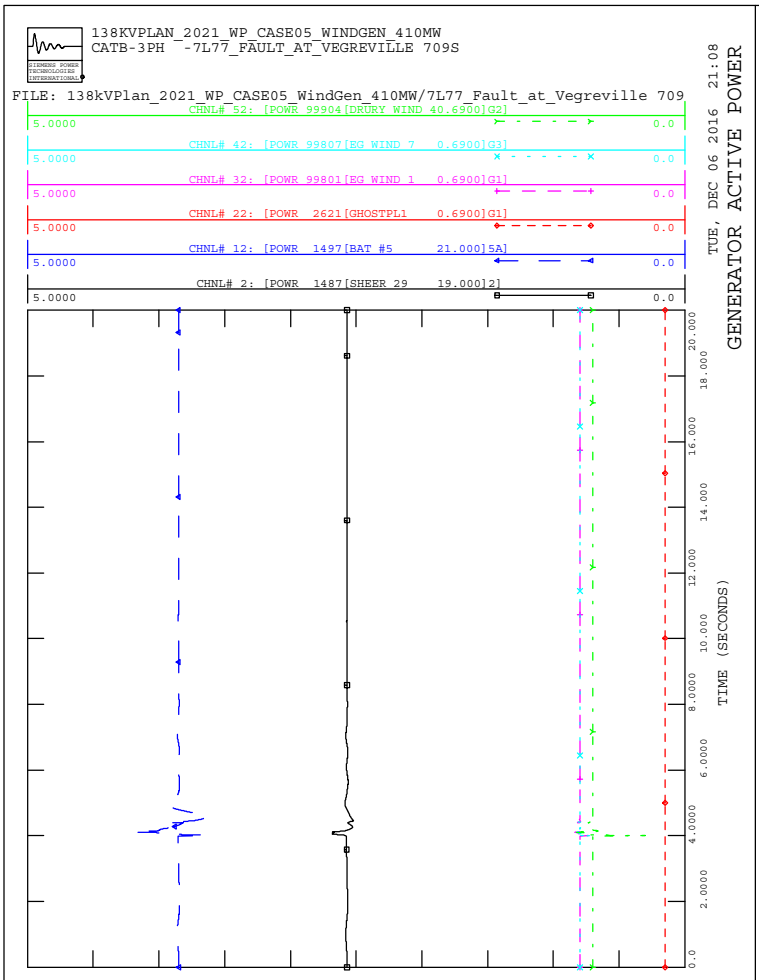
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:08

MACHINE ANGLE

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CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
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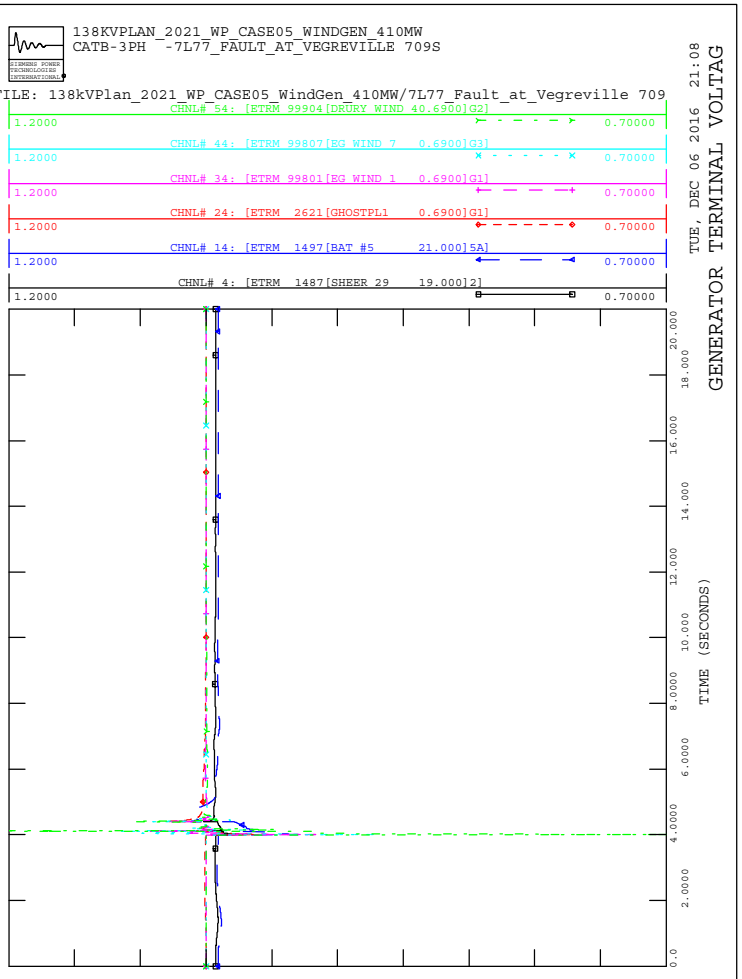
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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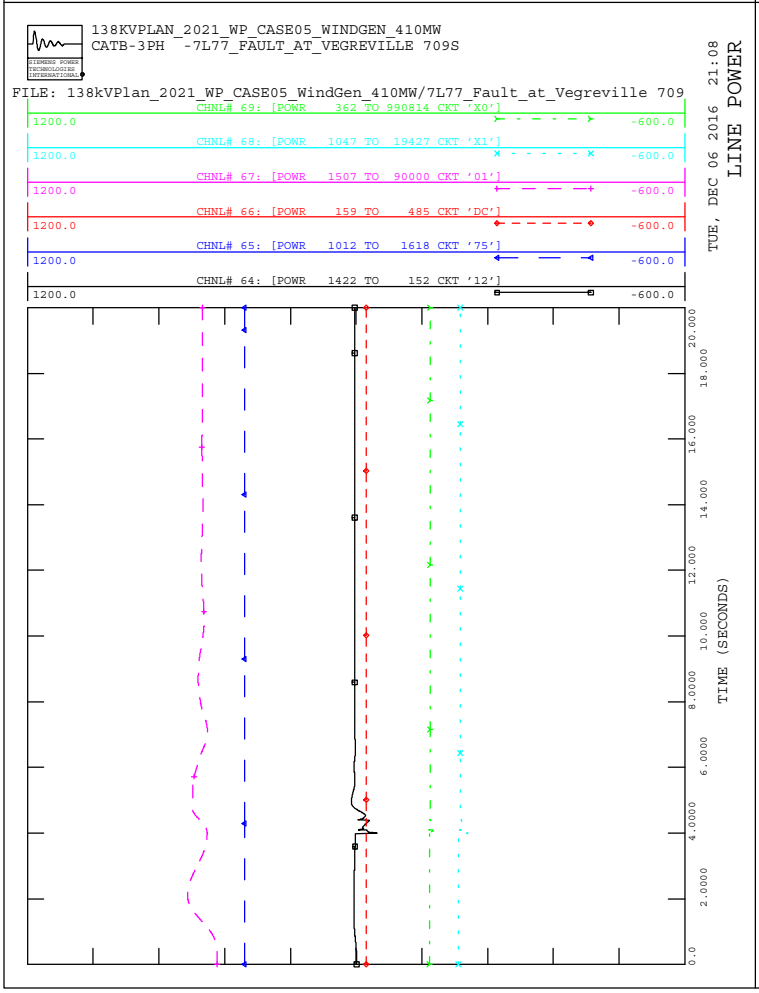
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
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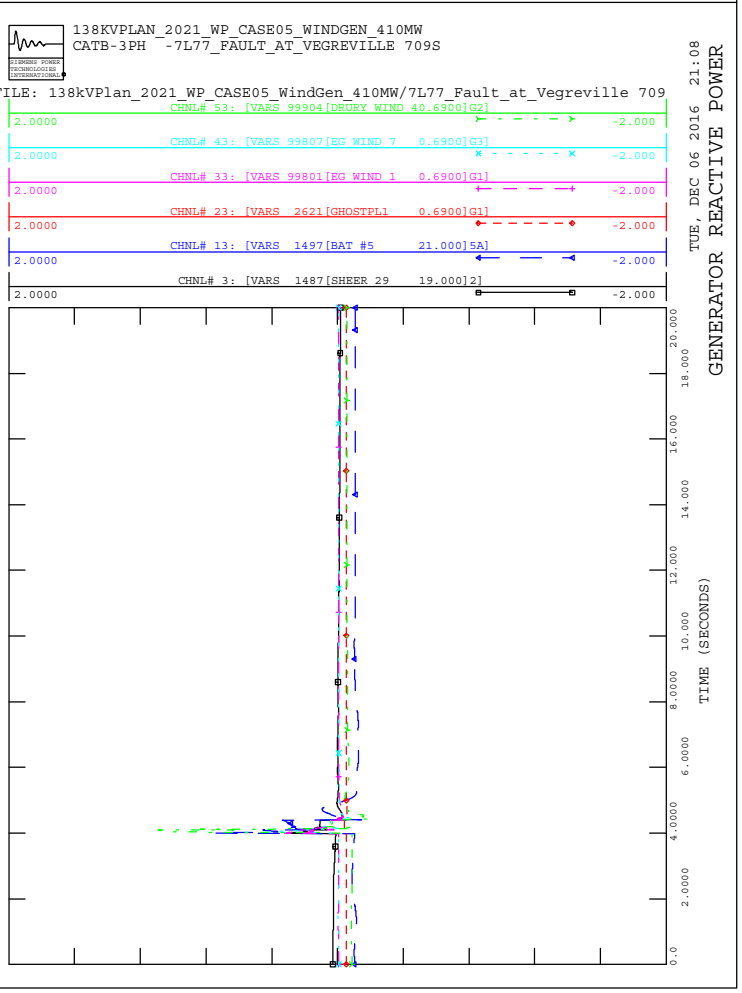
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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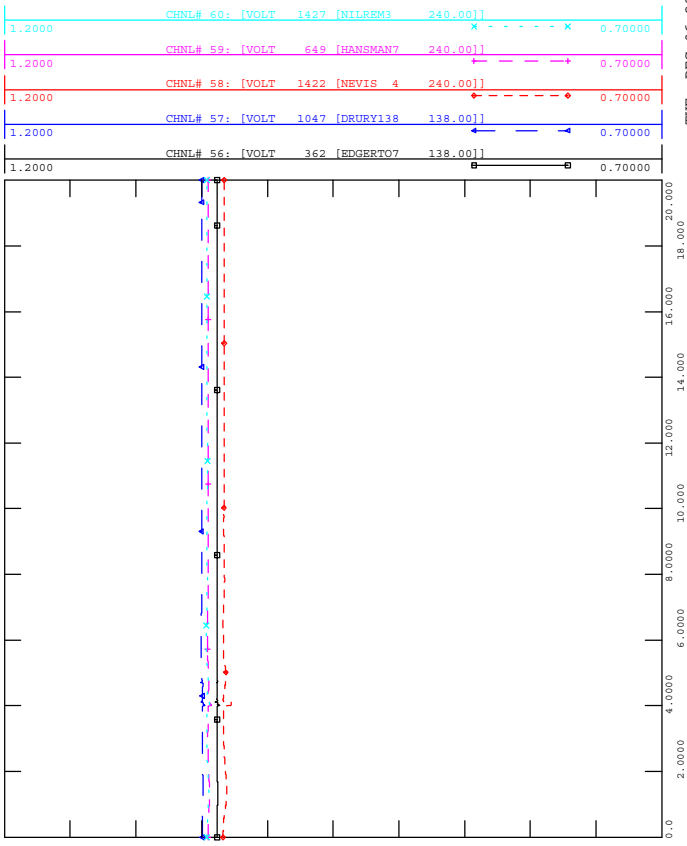
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:08

BUS VOLTAGE

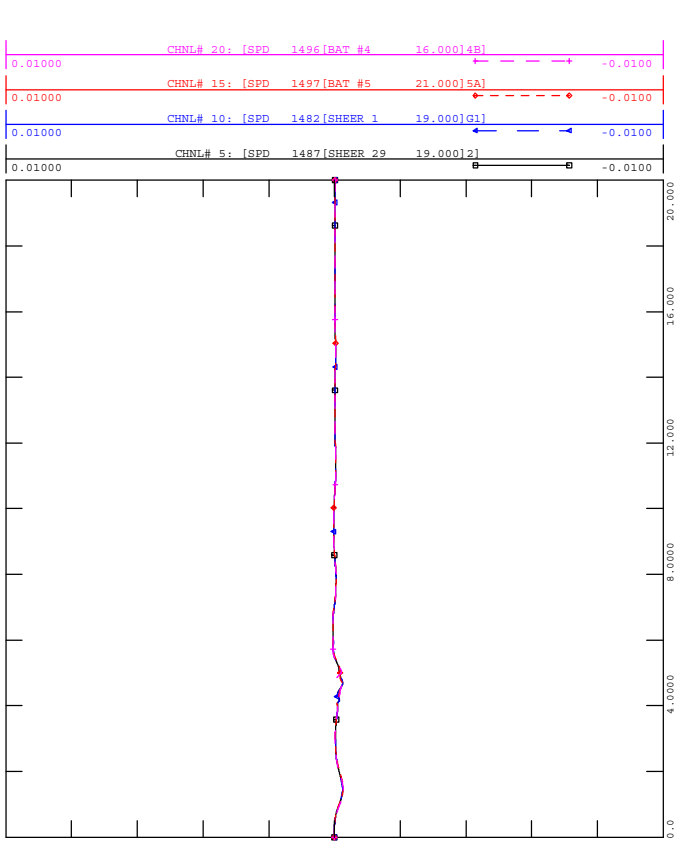


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:08

MACHINE SPEED

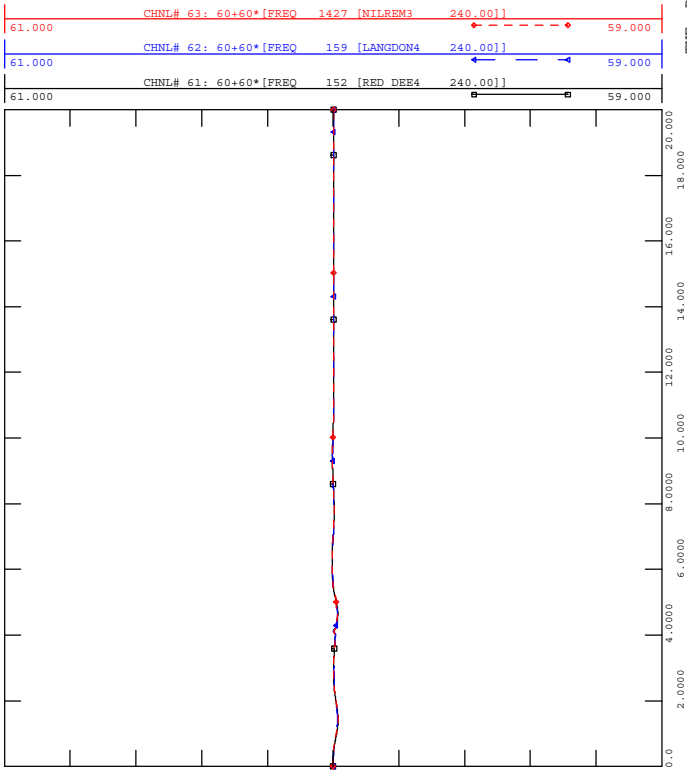


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:08

FREQUENCY

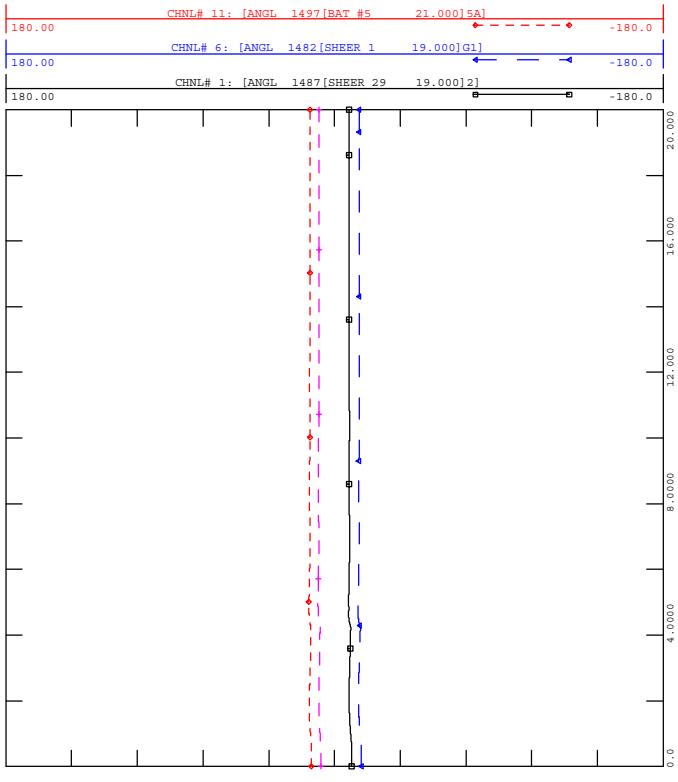


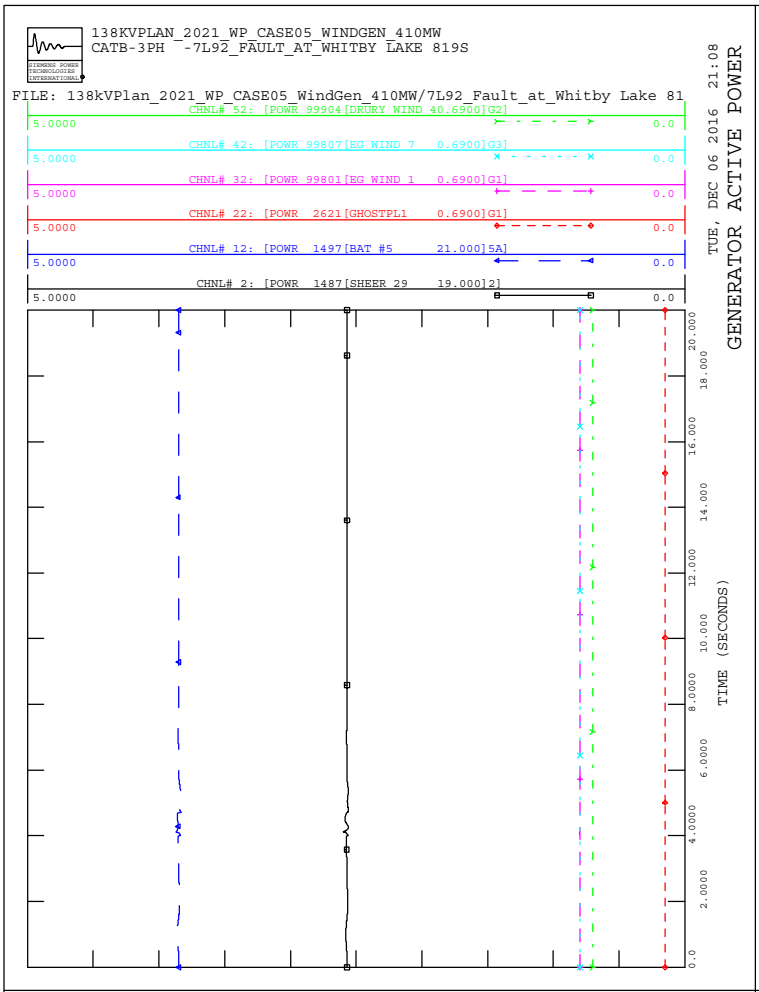
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:08

MACHINE ANGLE

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CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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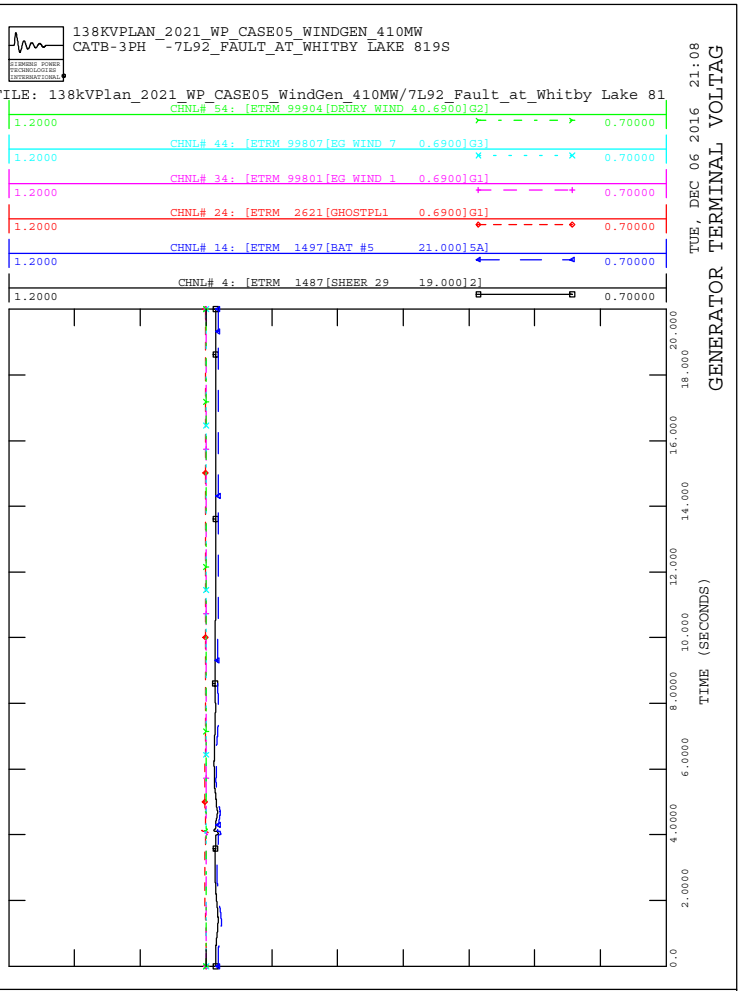
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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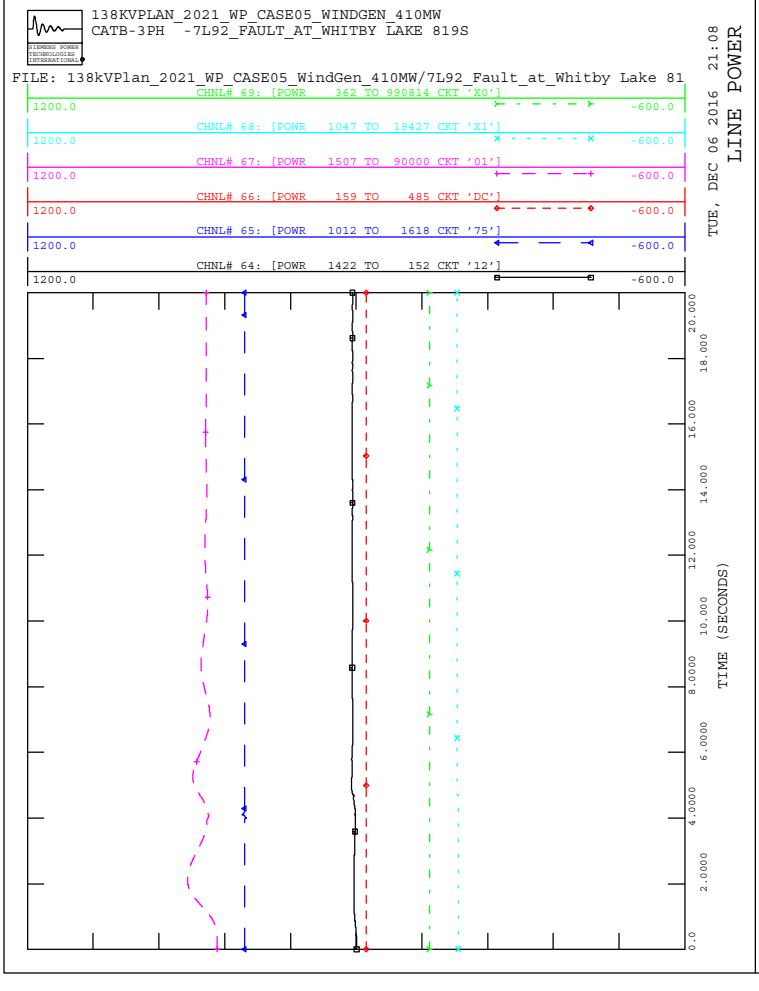
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
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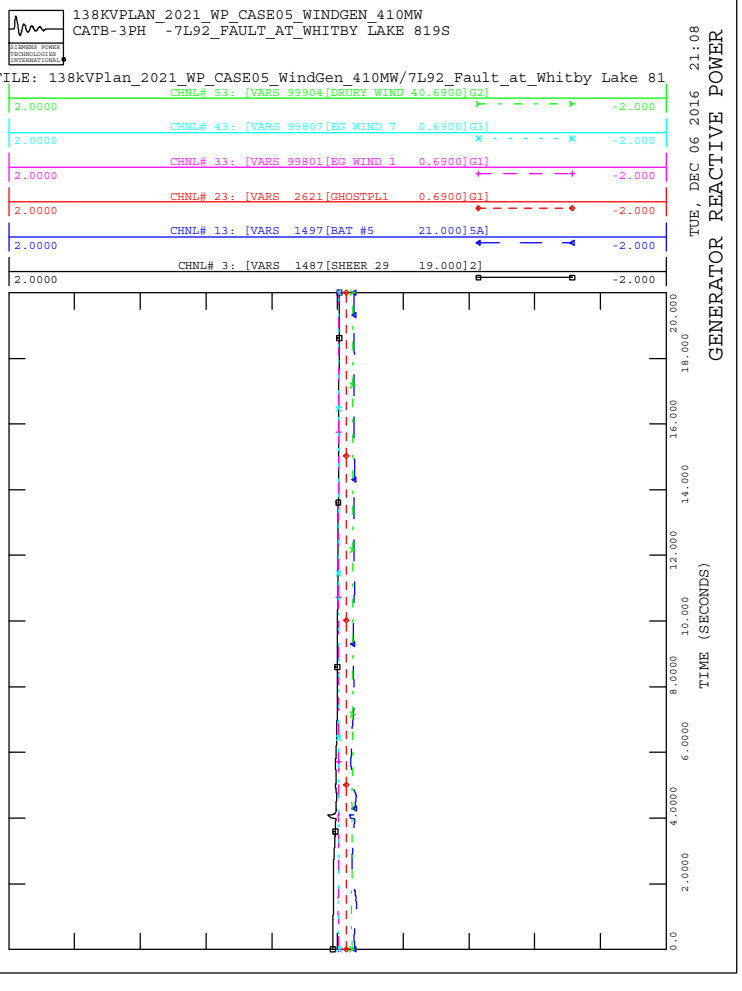
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
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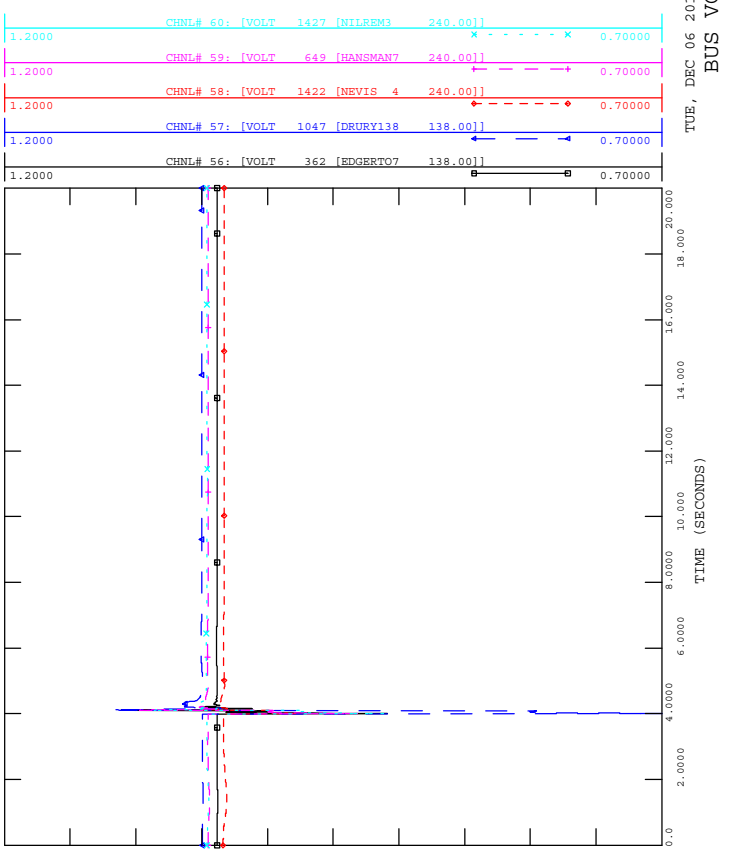
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:08

BUS VOLTAGE

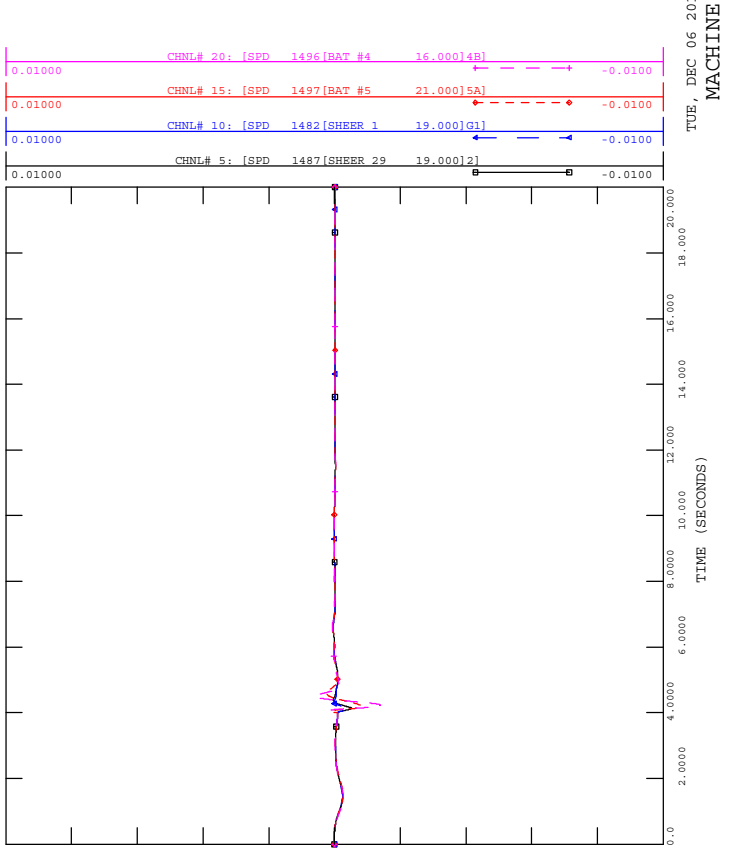


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:08

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709

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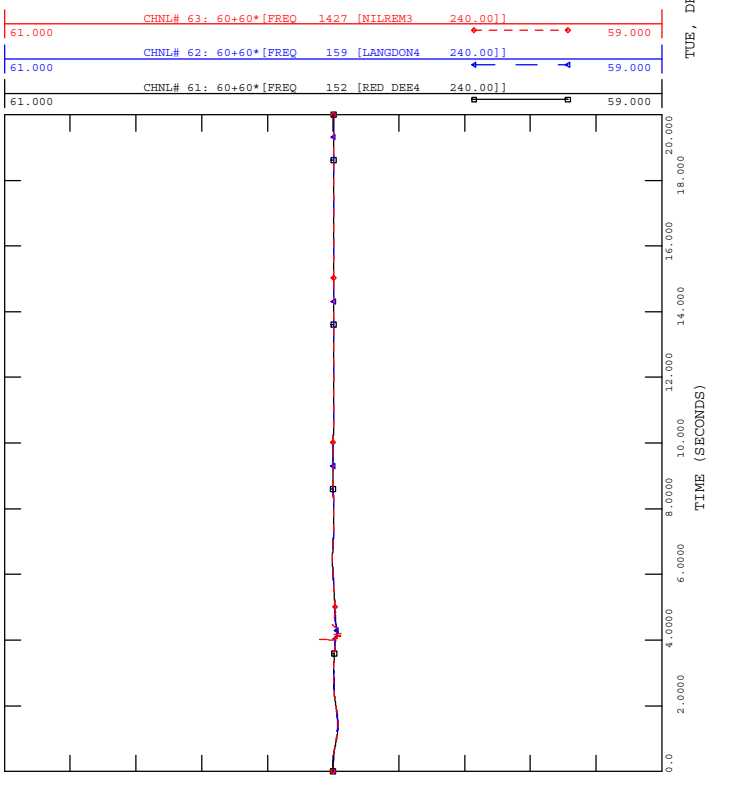
FREQUENCY

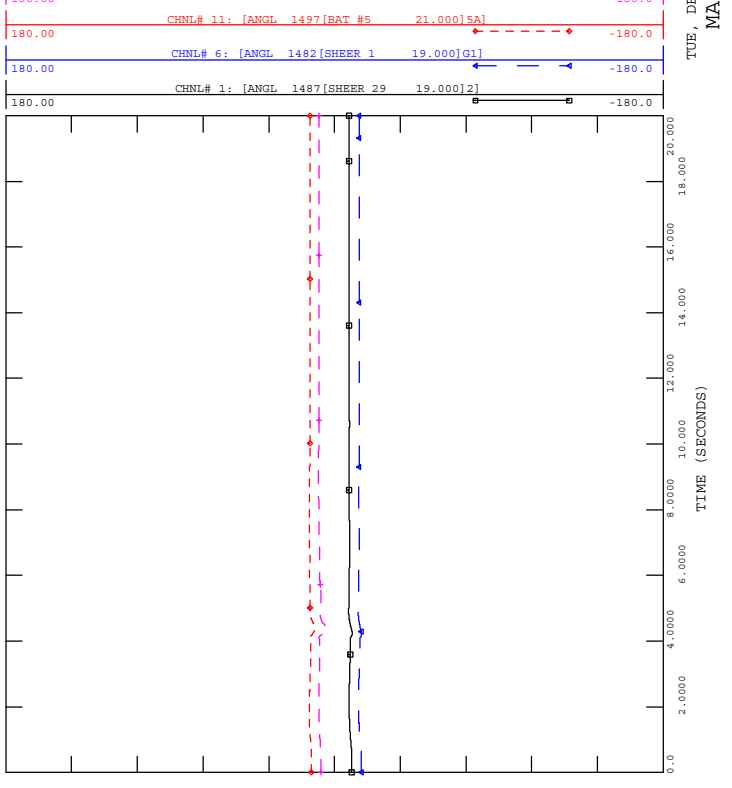


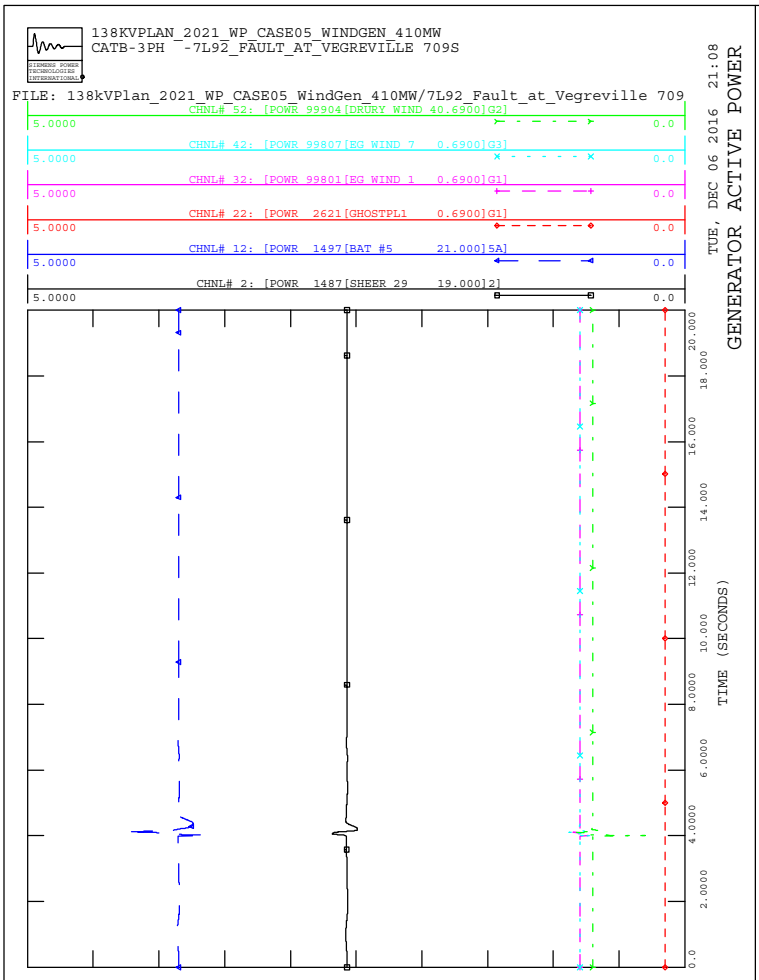
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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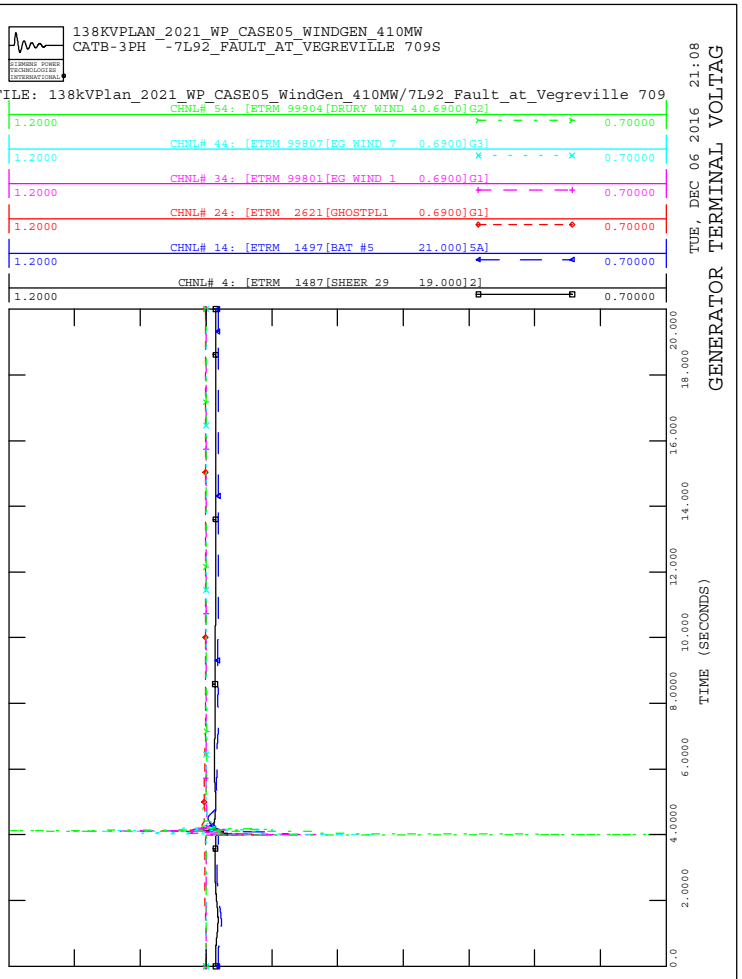
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
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TIME (SECONDS)
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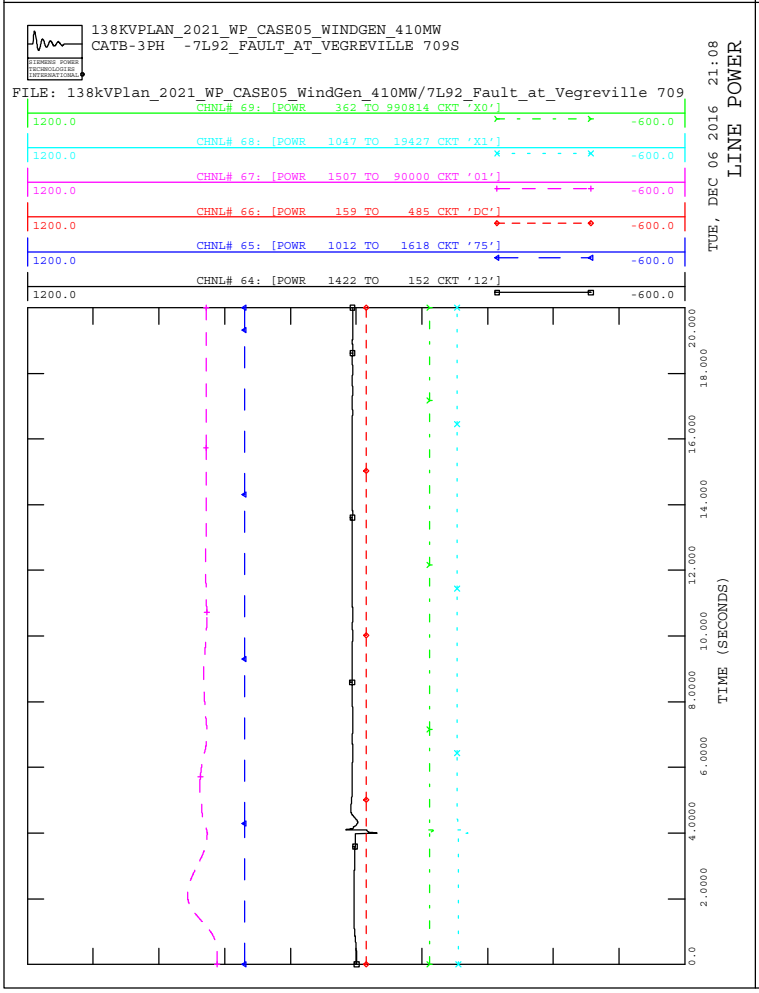
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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TUE, DEC 06 2016 21:08
LINE POWER
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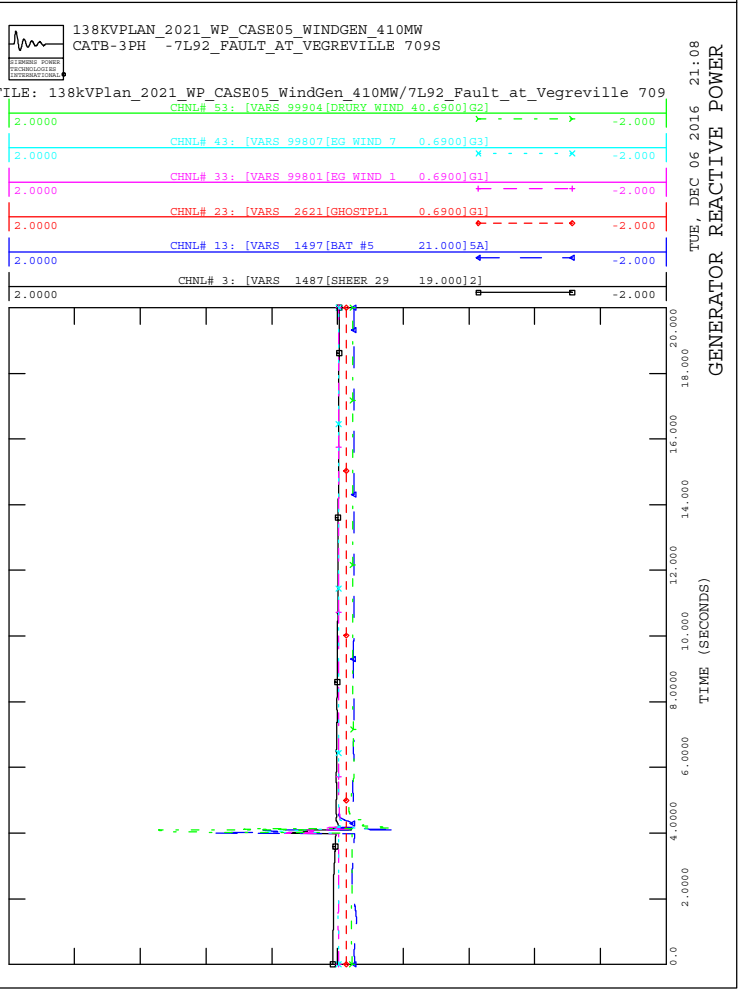
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CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
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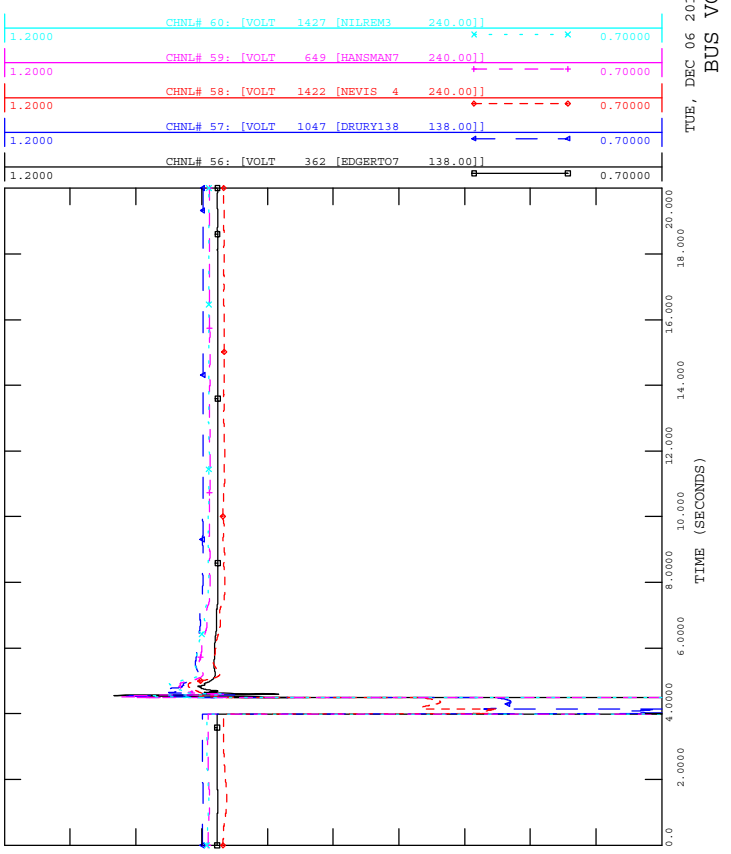
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:08

BUS VOLTAGE

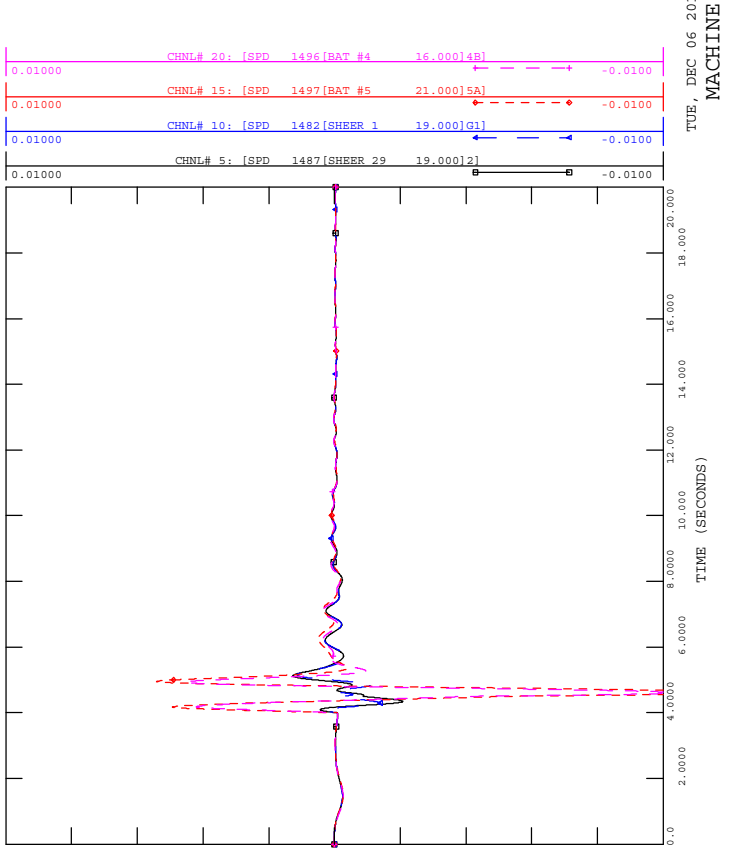


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:08

MACHINE SPEED

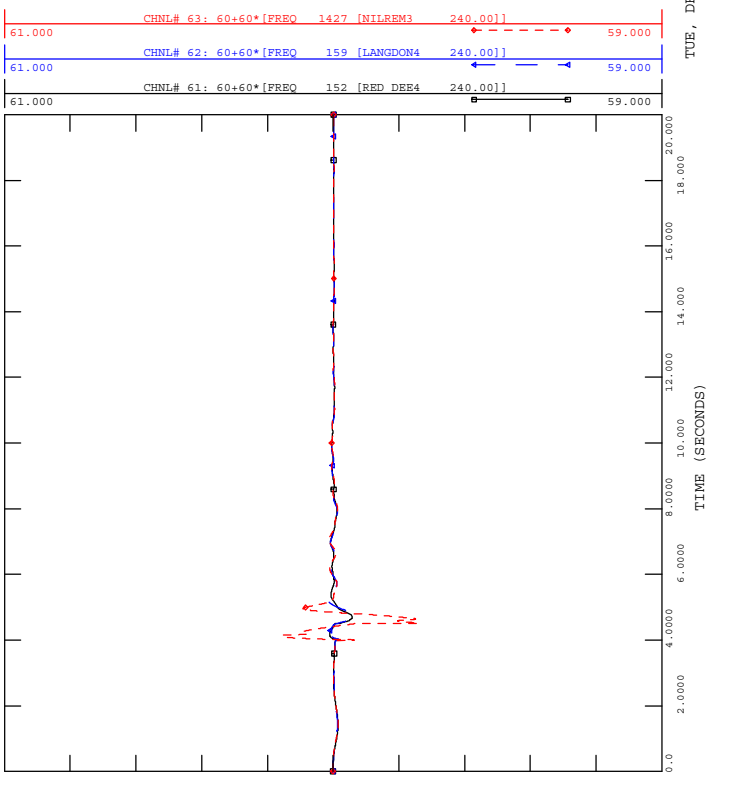


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:08

FREQUENCY

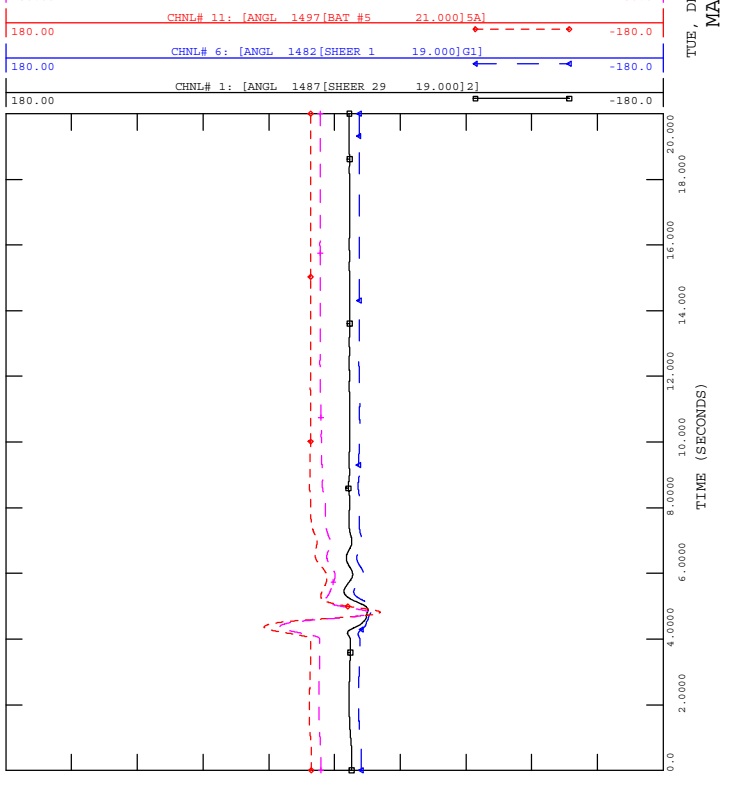


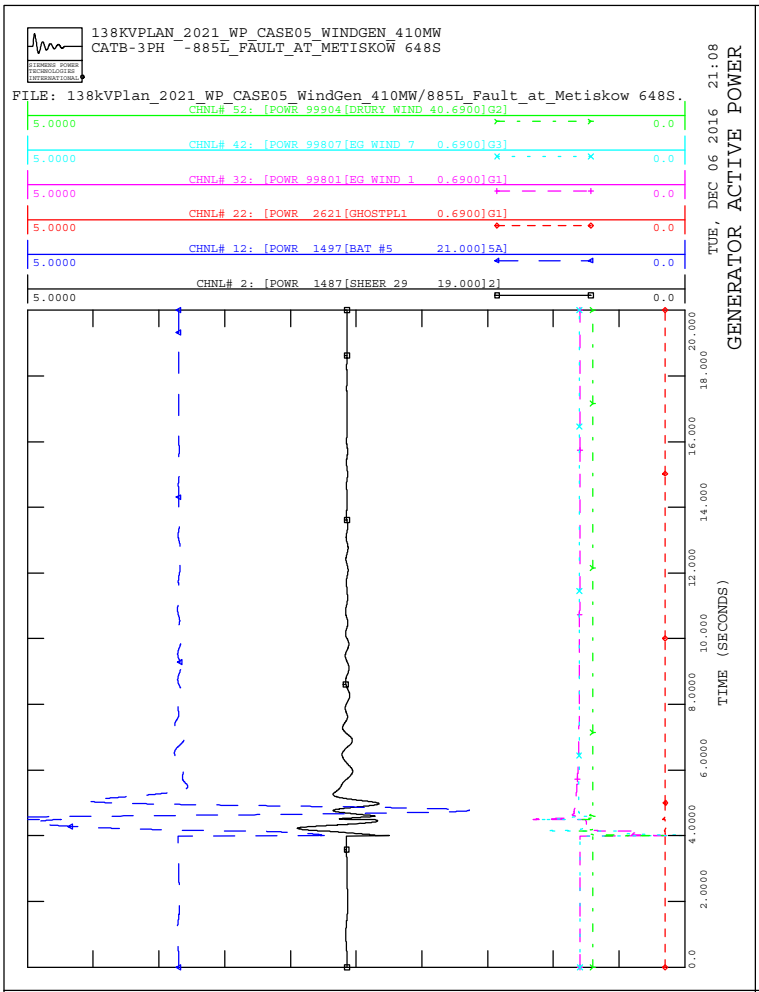
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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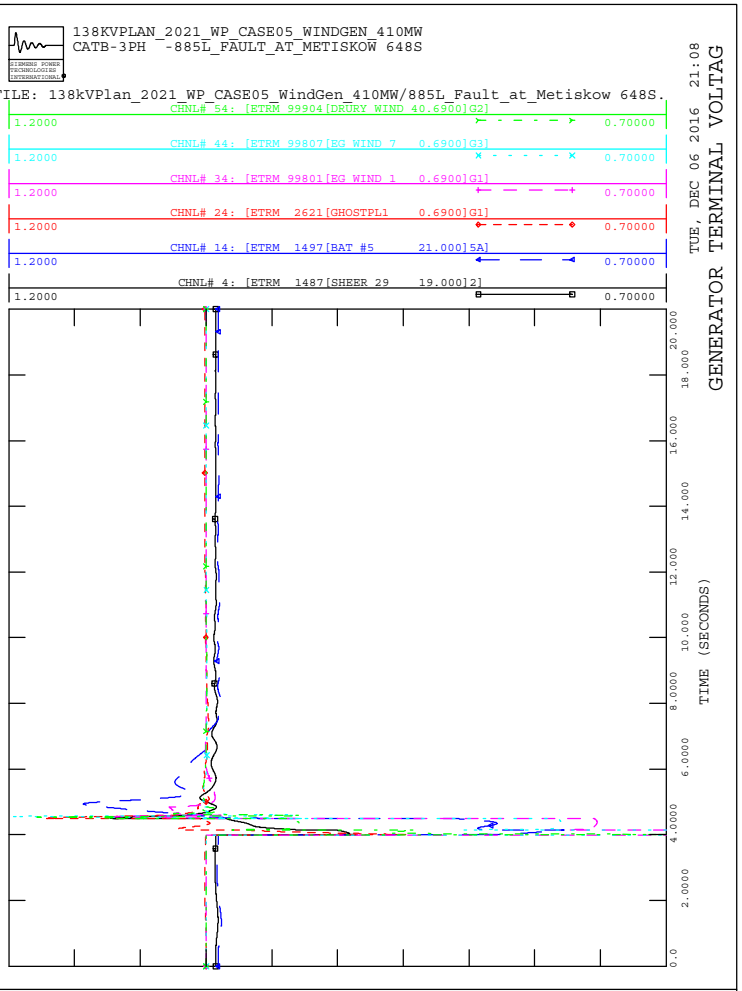
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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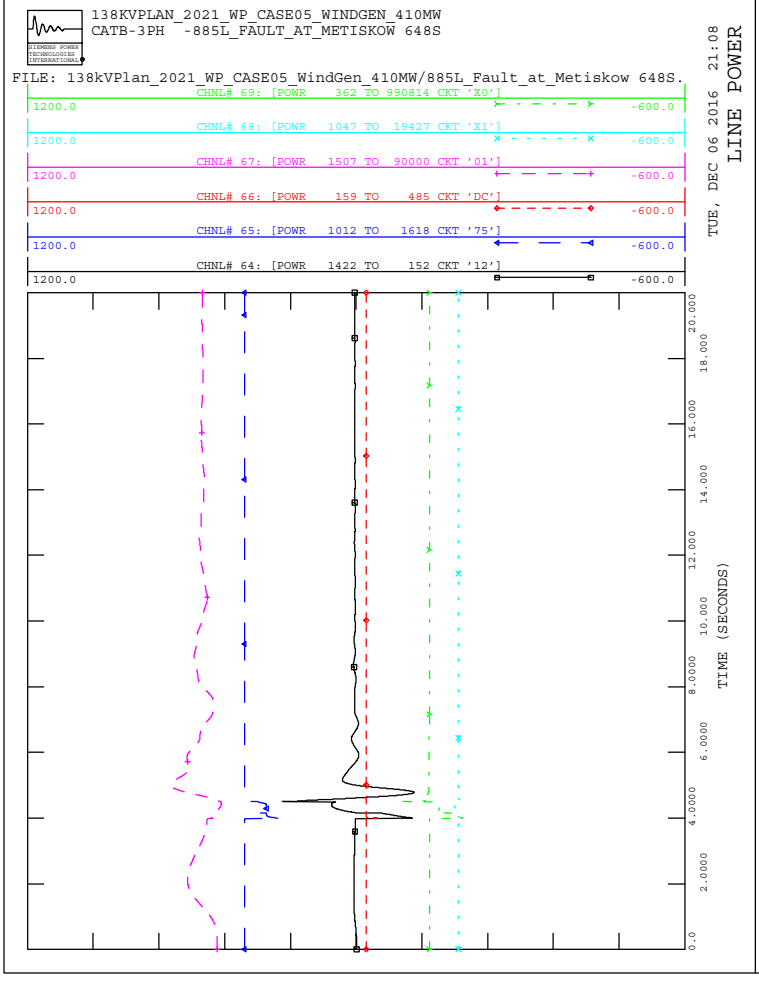
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
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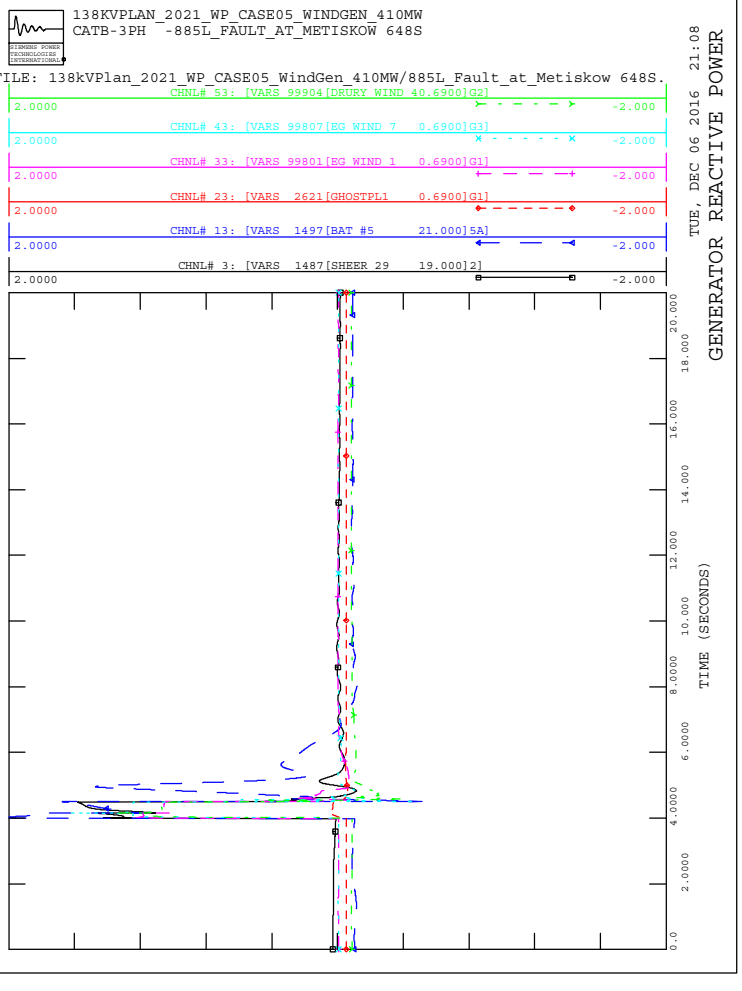
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
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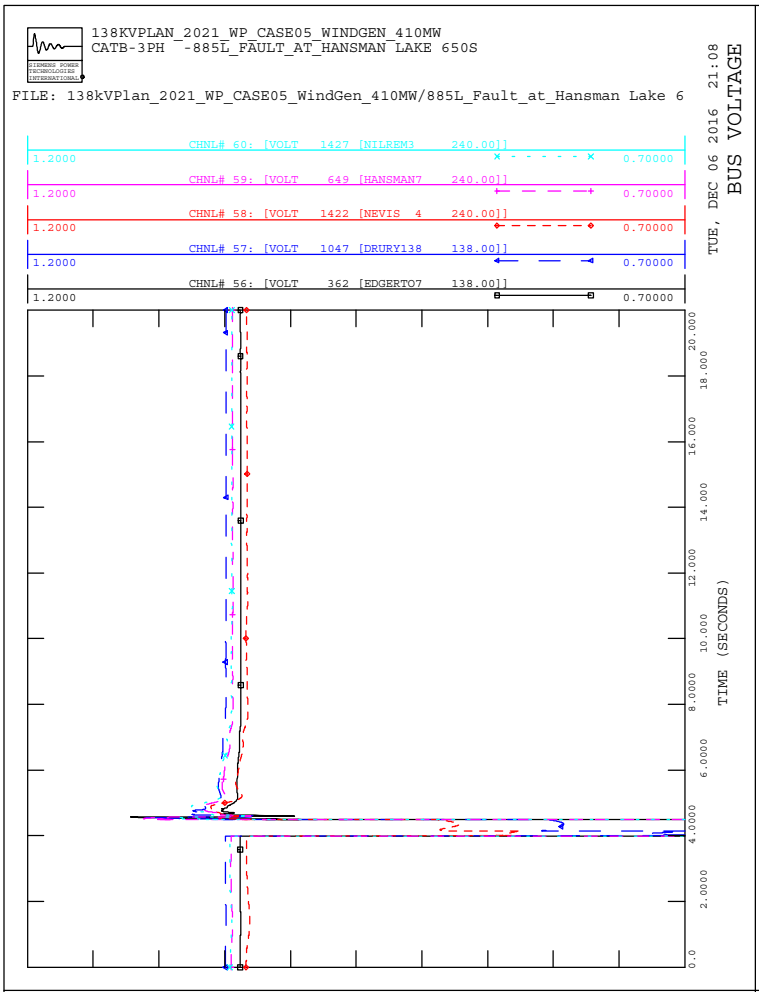
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman Lake 6
TUE, DEC 06 2016 21:08
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
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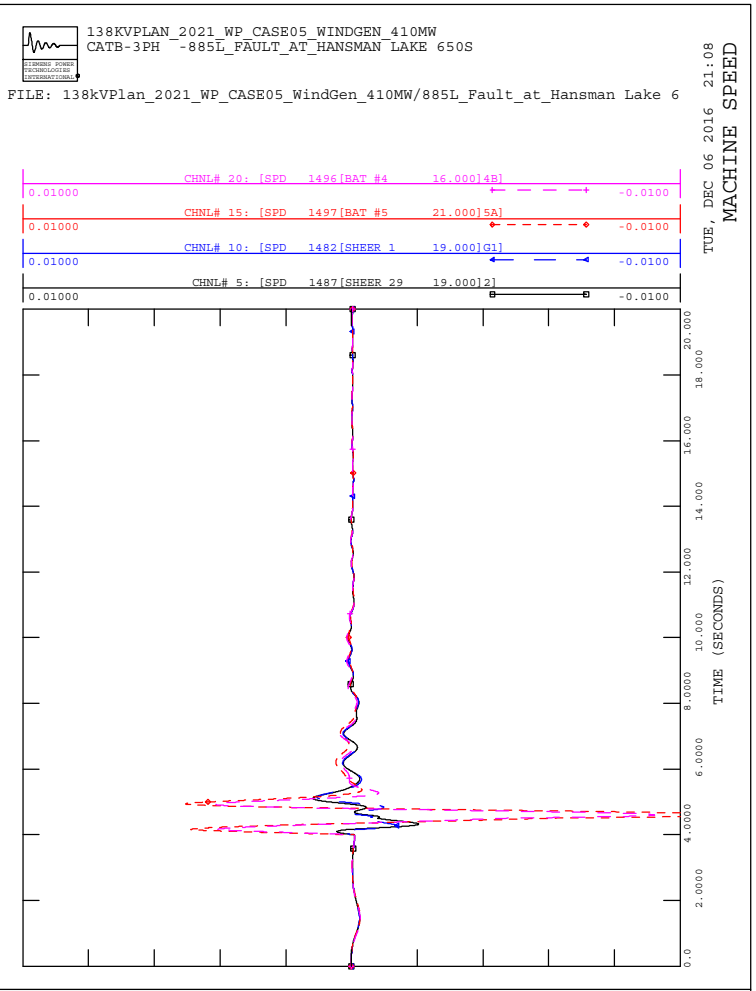
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman Lake 6
TUE, DEC 06 2016 21:08
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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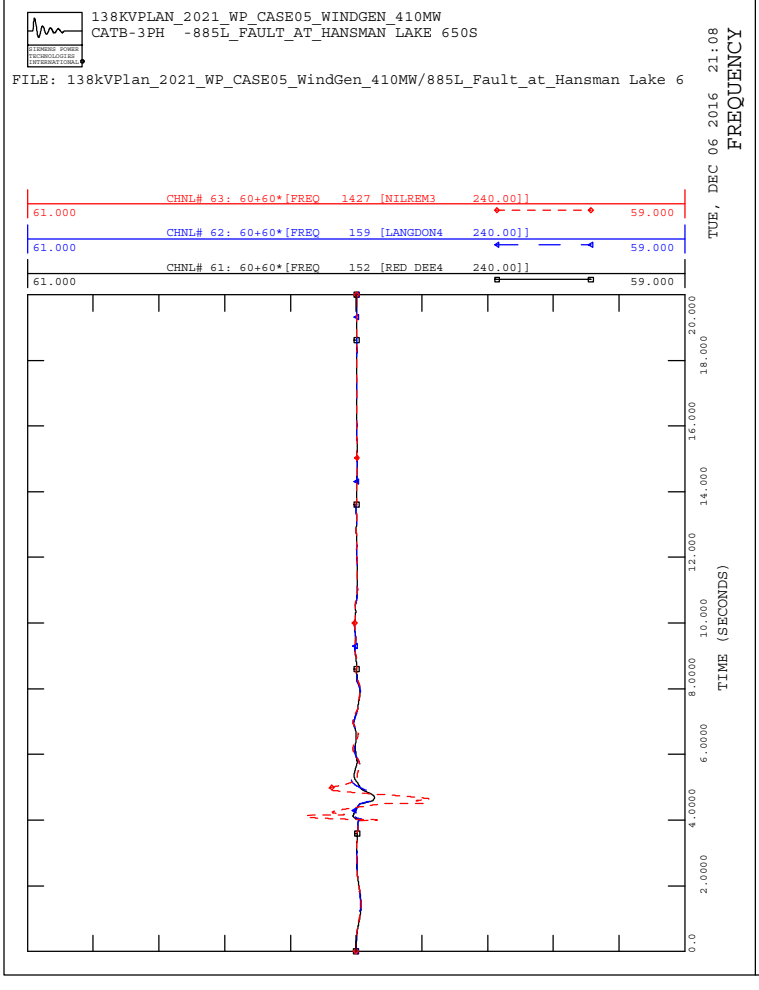
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman Lake 6
TUE, DEC 06 2016 21:08
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
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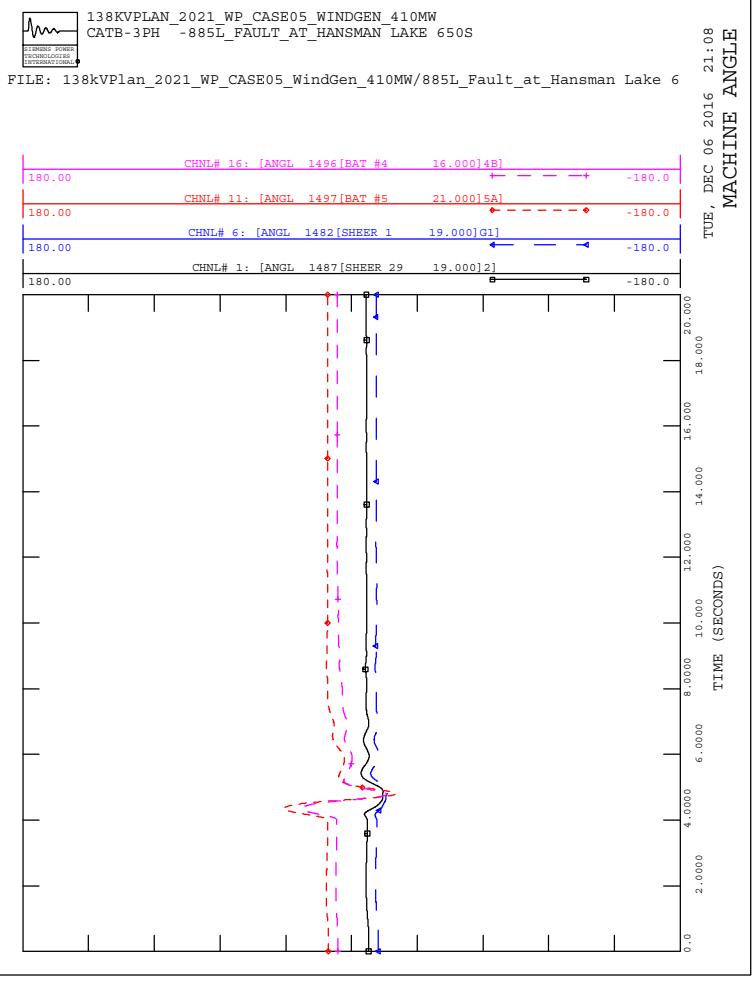
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman Lake 6
TUE, DEC 06 2016 21:08
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
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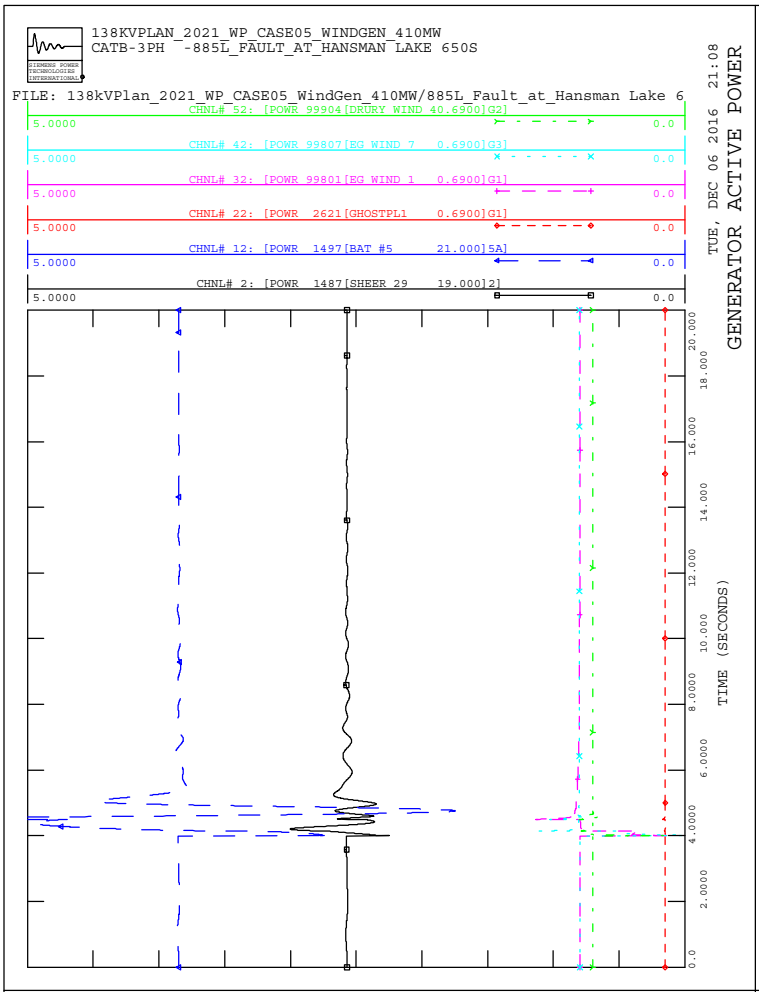
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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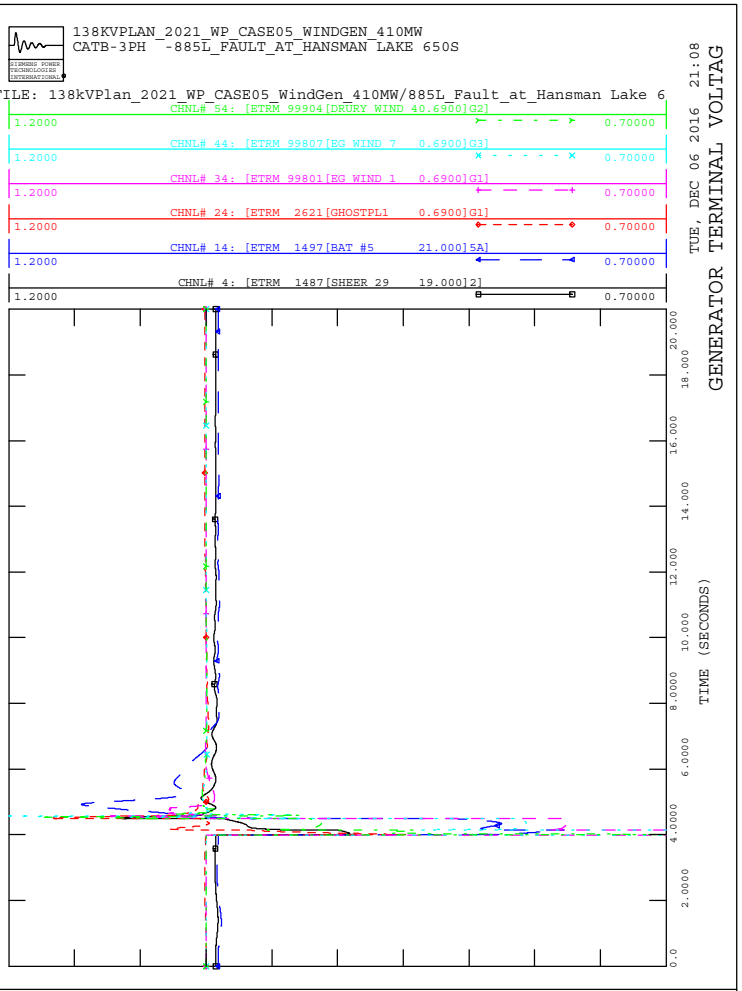
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman_Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
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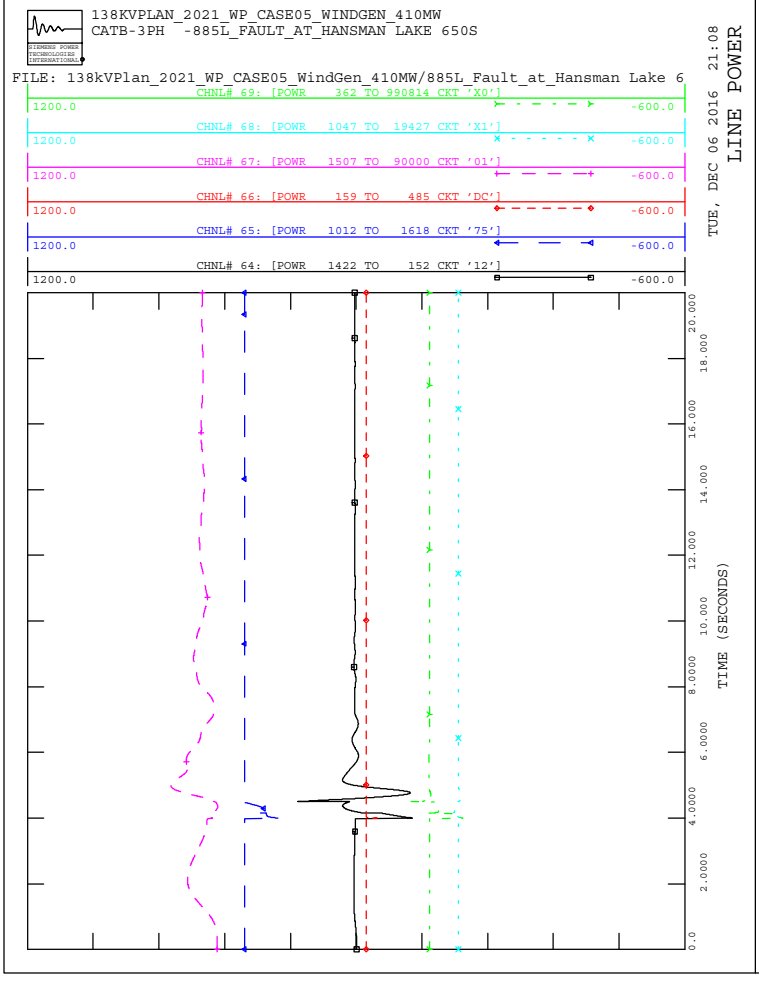
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman_Lake 6
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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TUE, DEC 06 2016 21:08
LINE POWER
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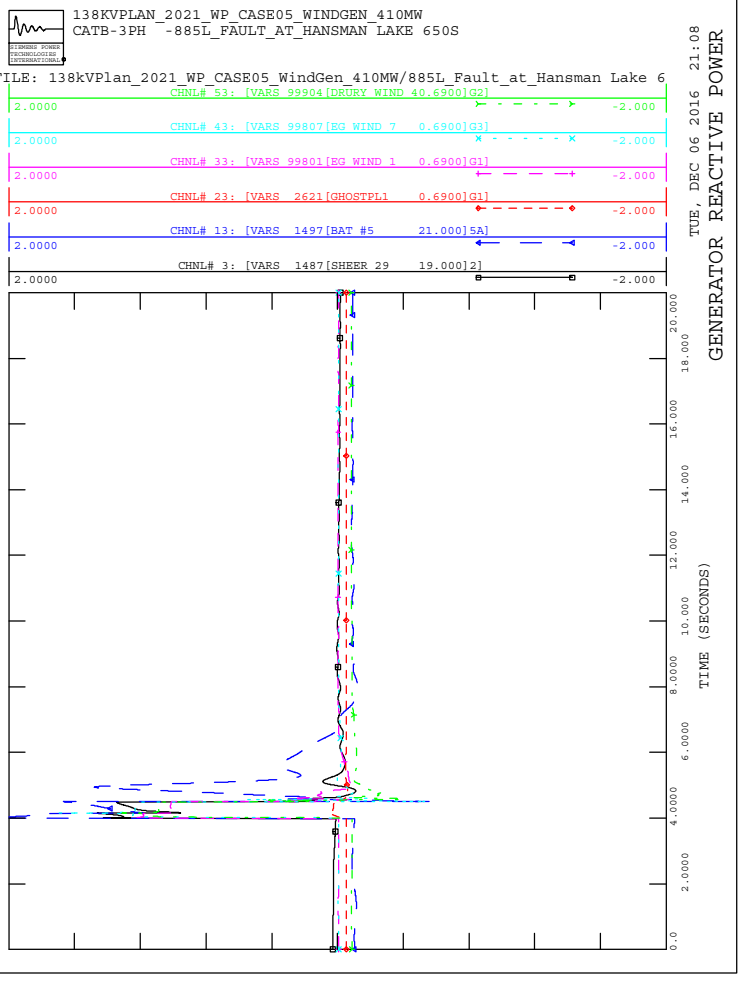
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CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman_Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:08

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:08

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:08

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

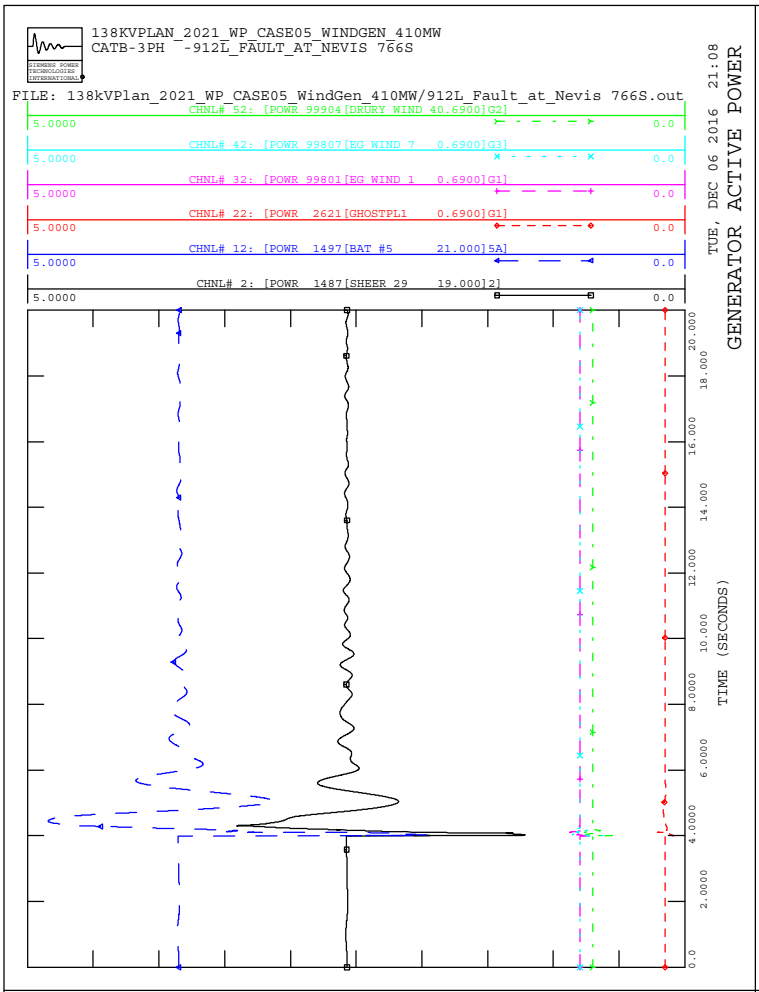
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out

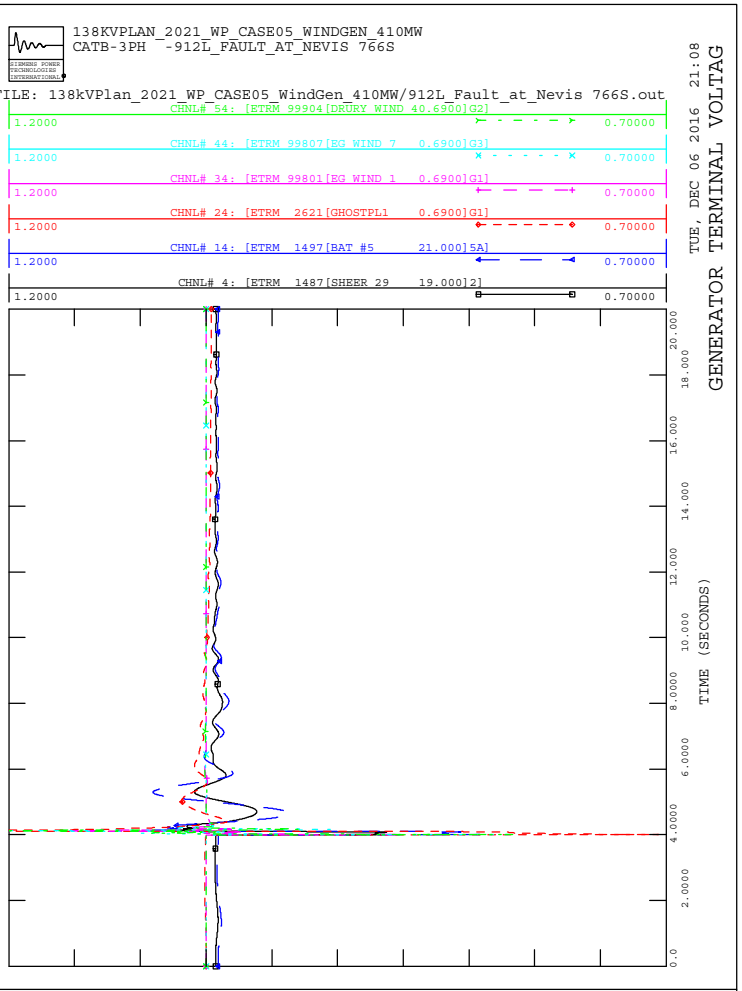
TUE, DEC 06 2016 21:08

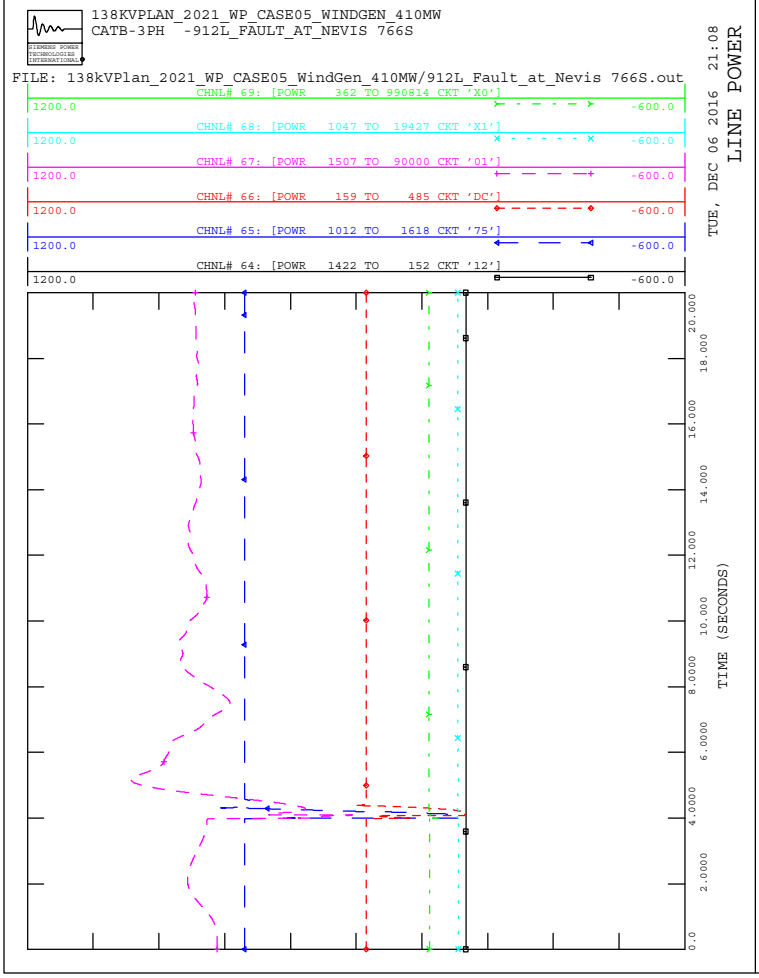
MACHINE ANGLE

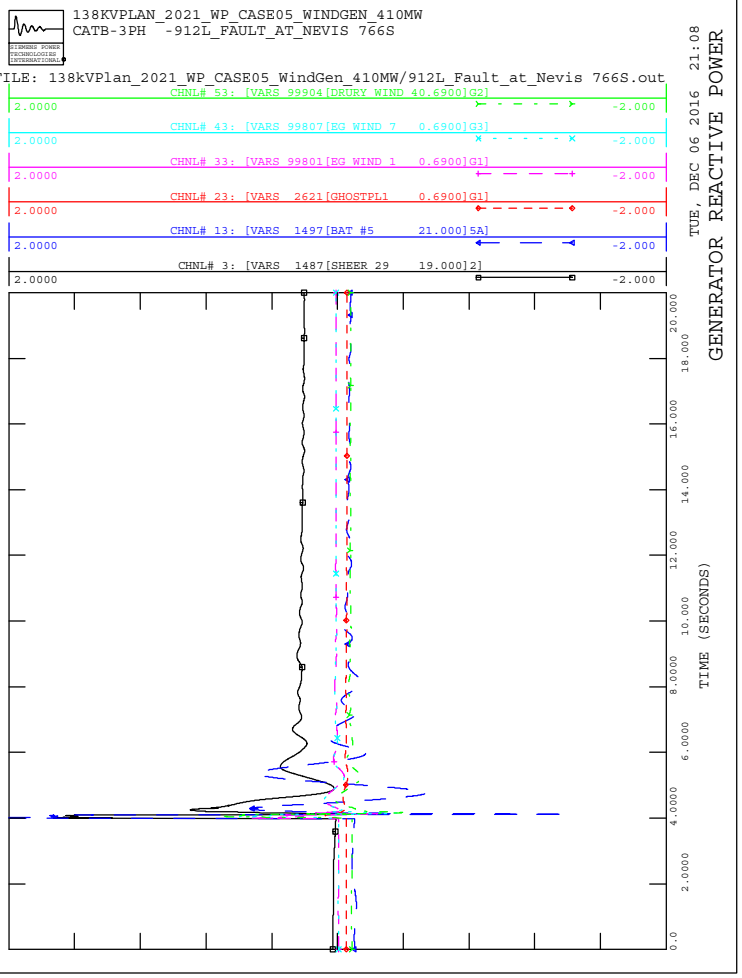
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out
TUE, DEC 06 2016 21:08
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 21:08

BUS VOLTAGE

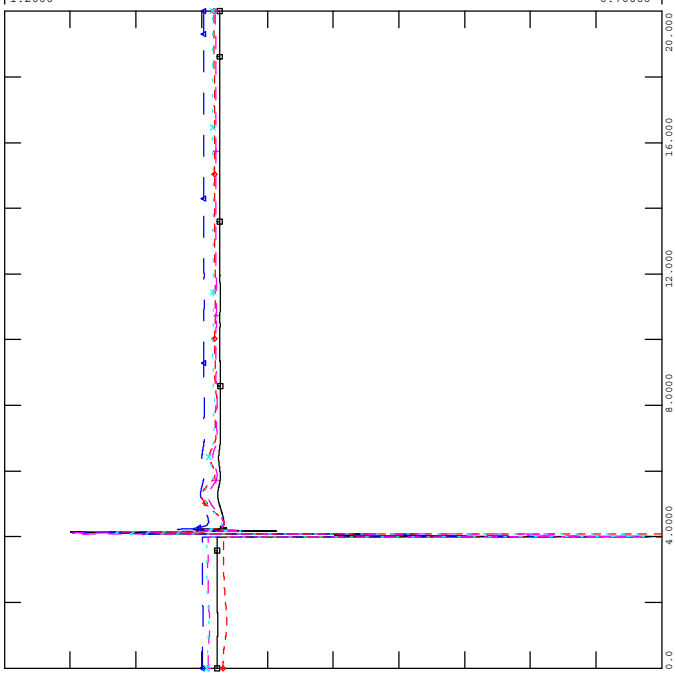
CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000

CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000

CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000

CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000

CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 21:08

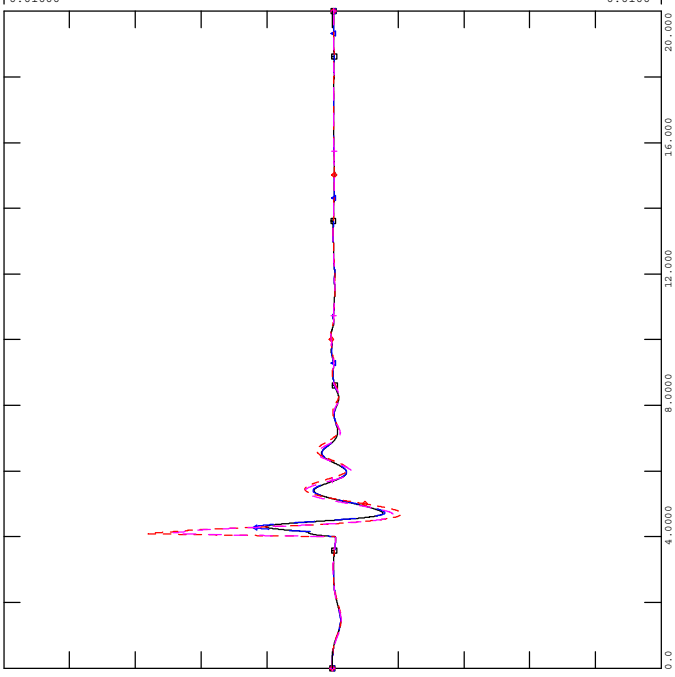
MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100

CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100

CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100

CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o

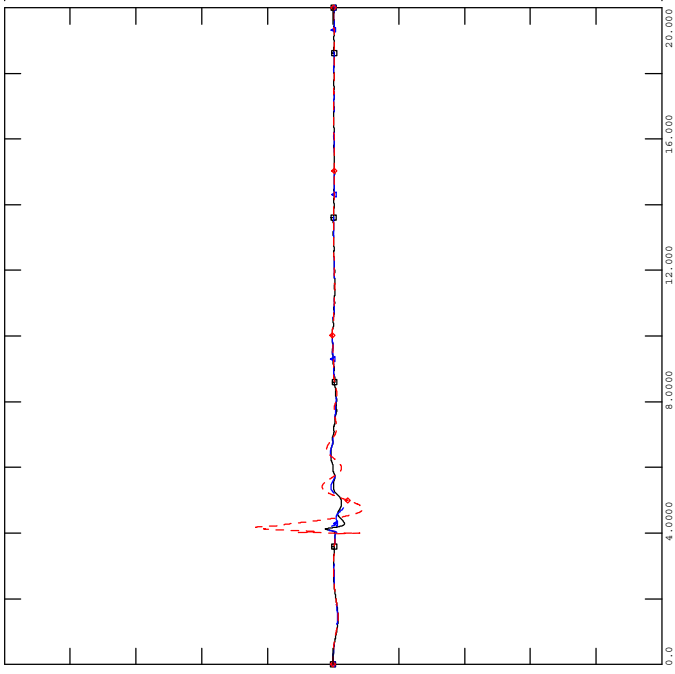
TUE, DEC 06 2016 21:08

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000

CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000

CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 21:08

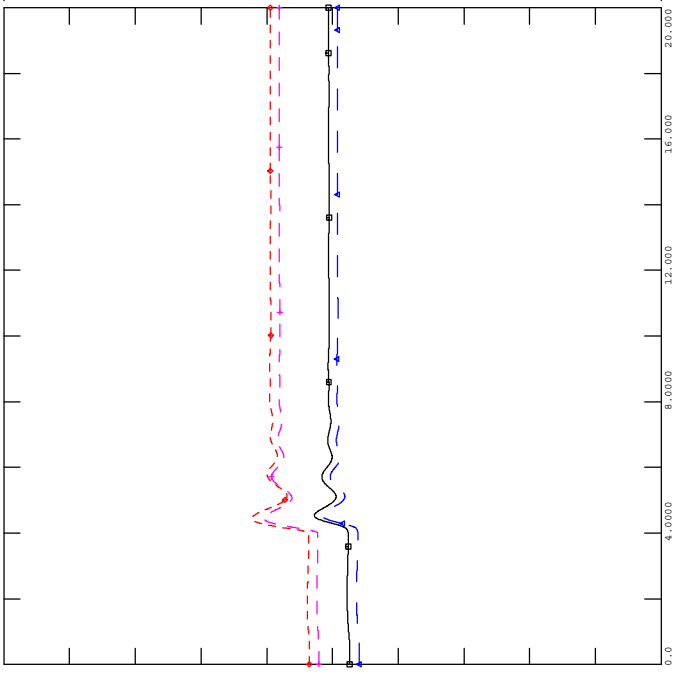
MACHINE ANGLE

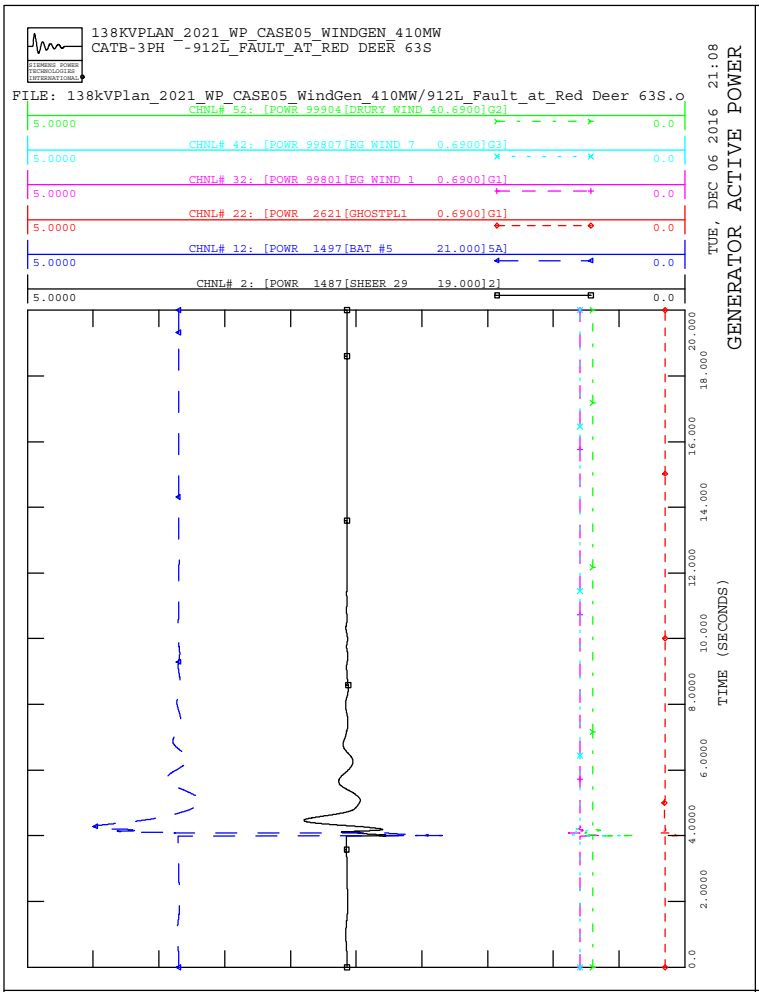
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0

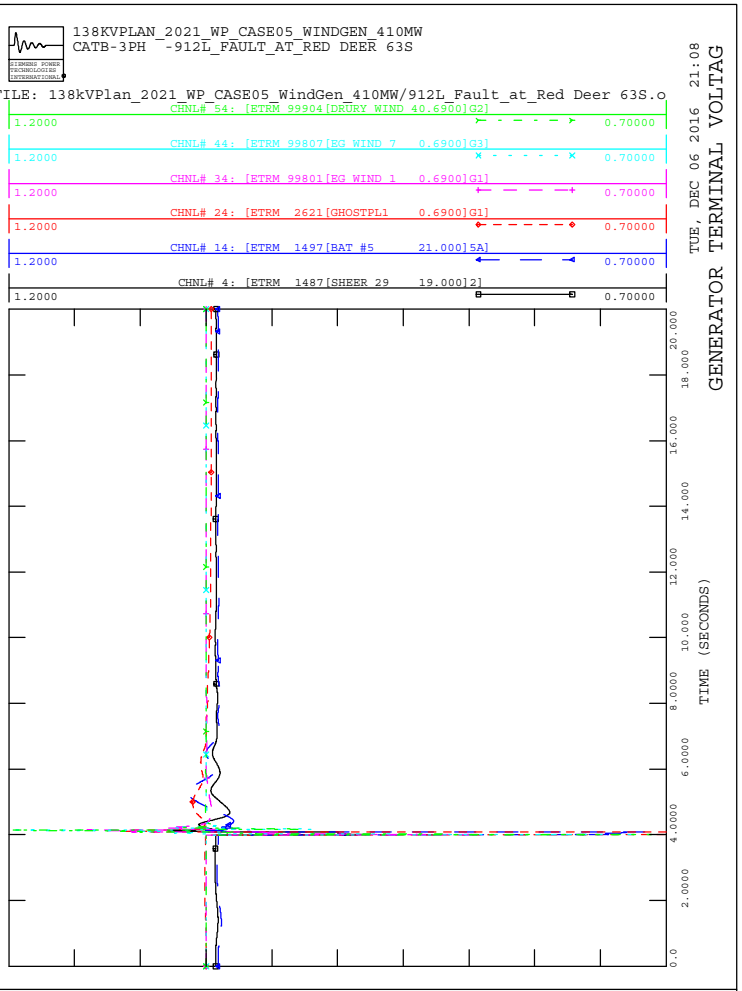
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0

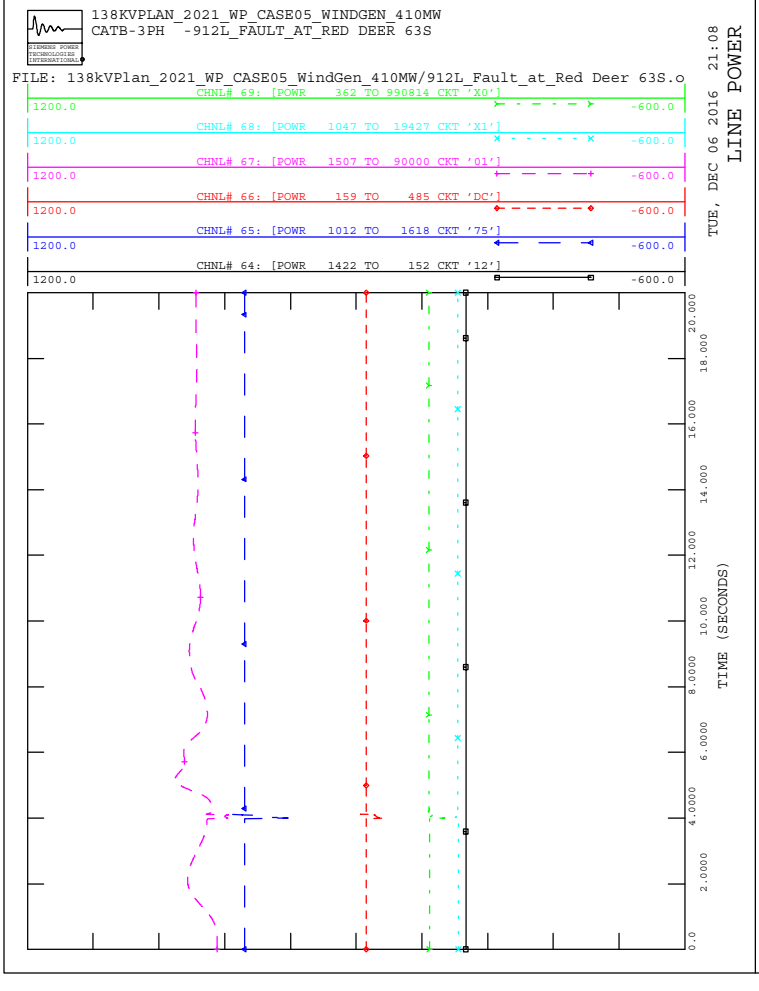
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0

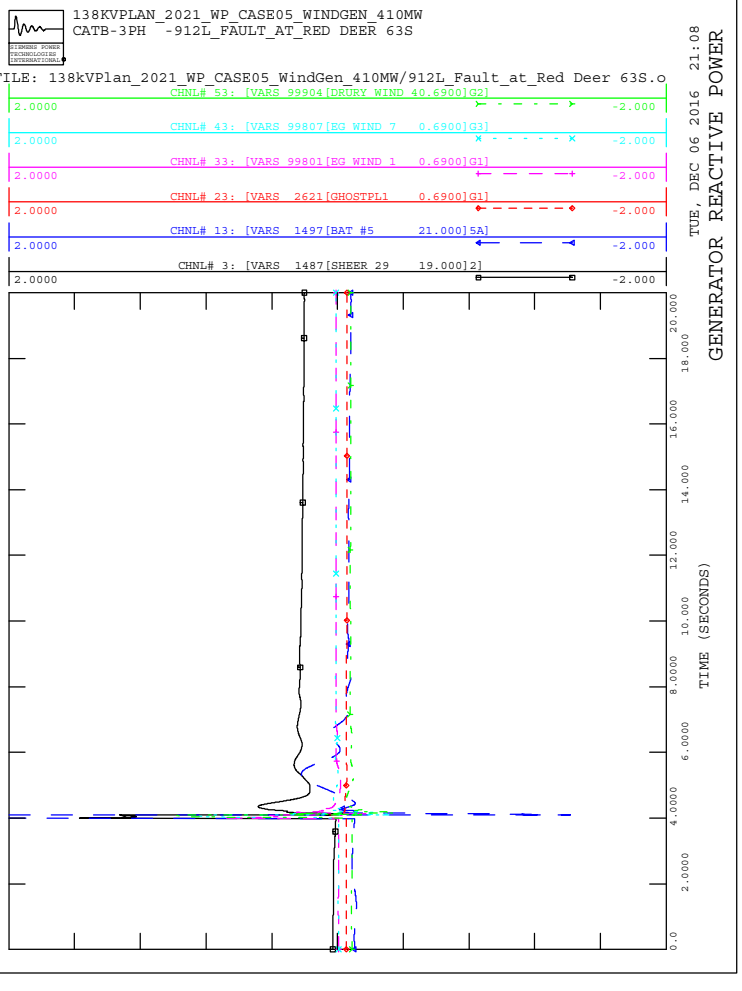
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

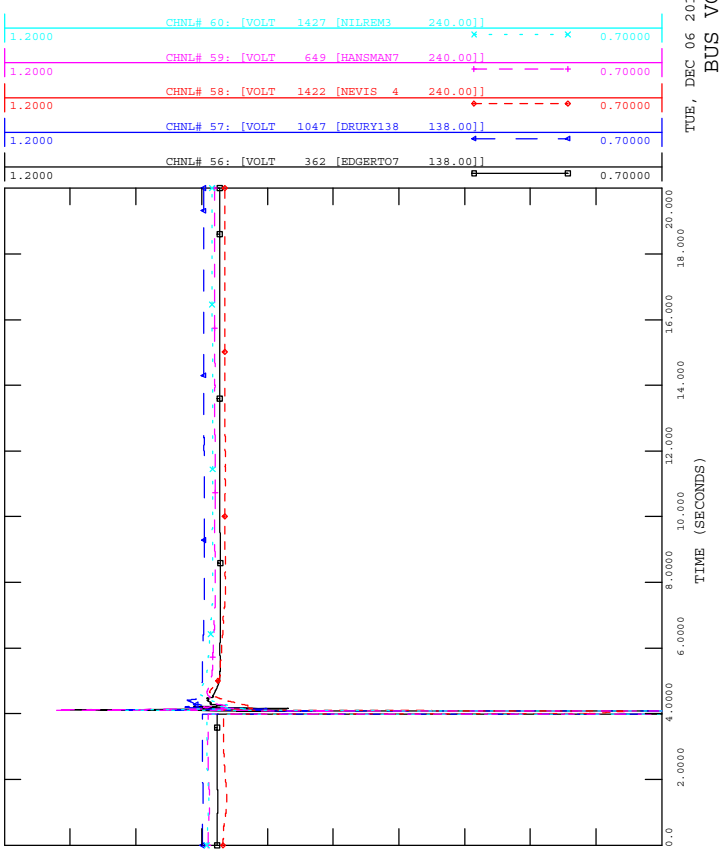

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

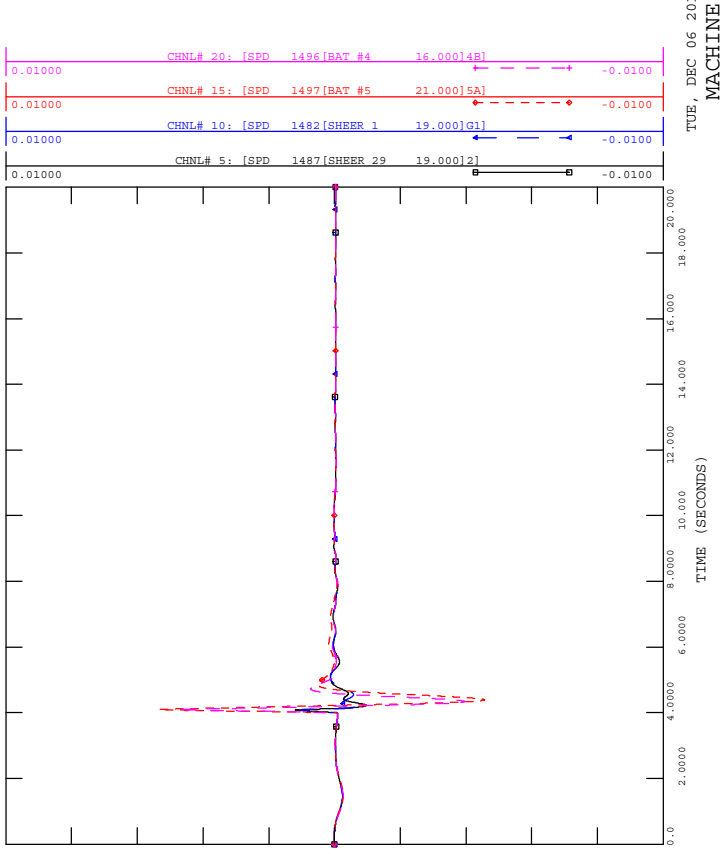
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:08
BUS VOLTAGE

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

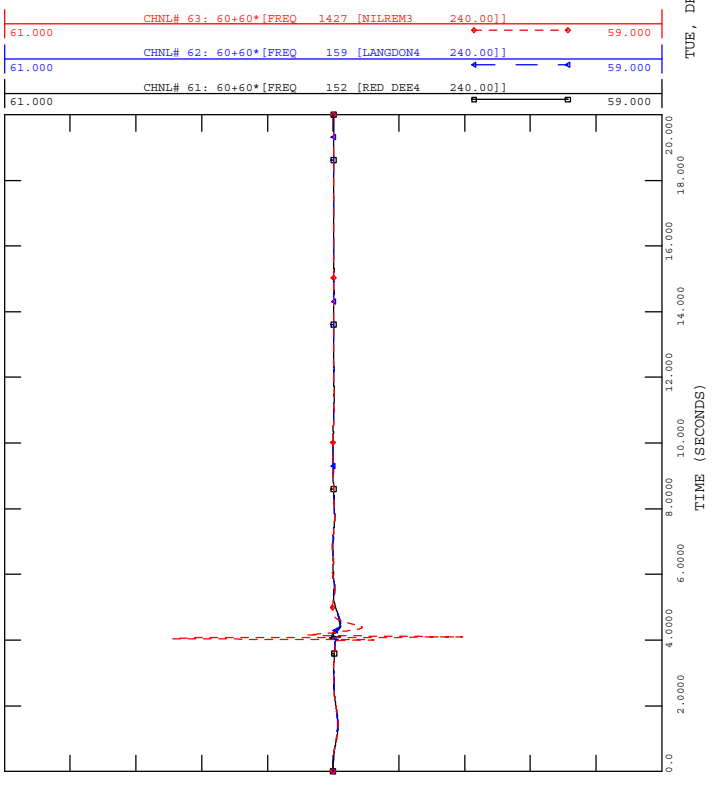
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:08
MACHINE SPEED

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

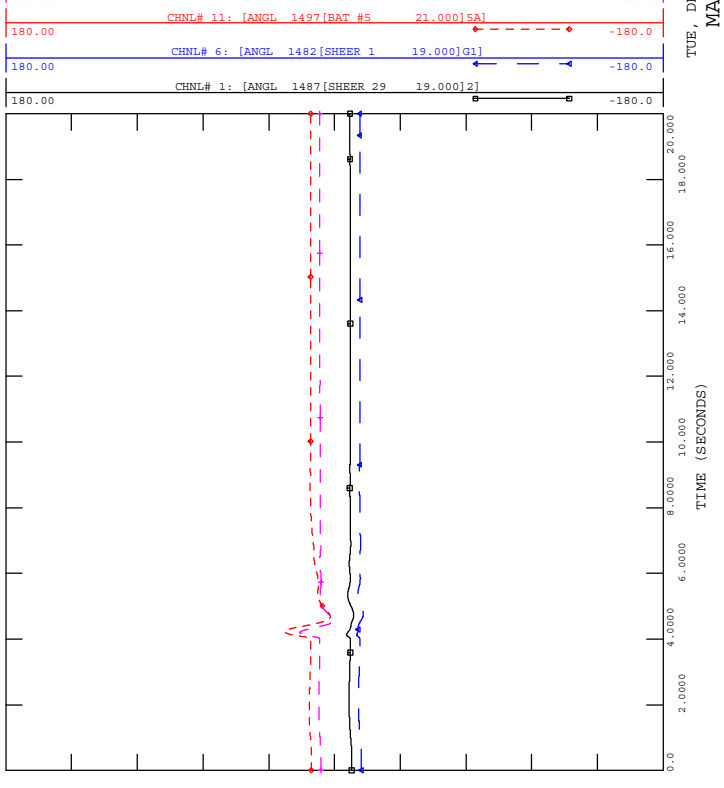
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake



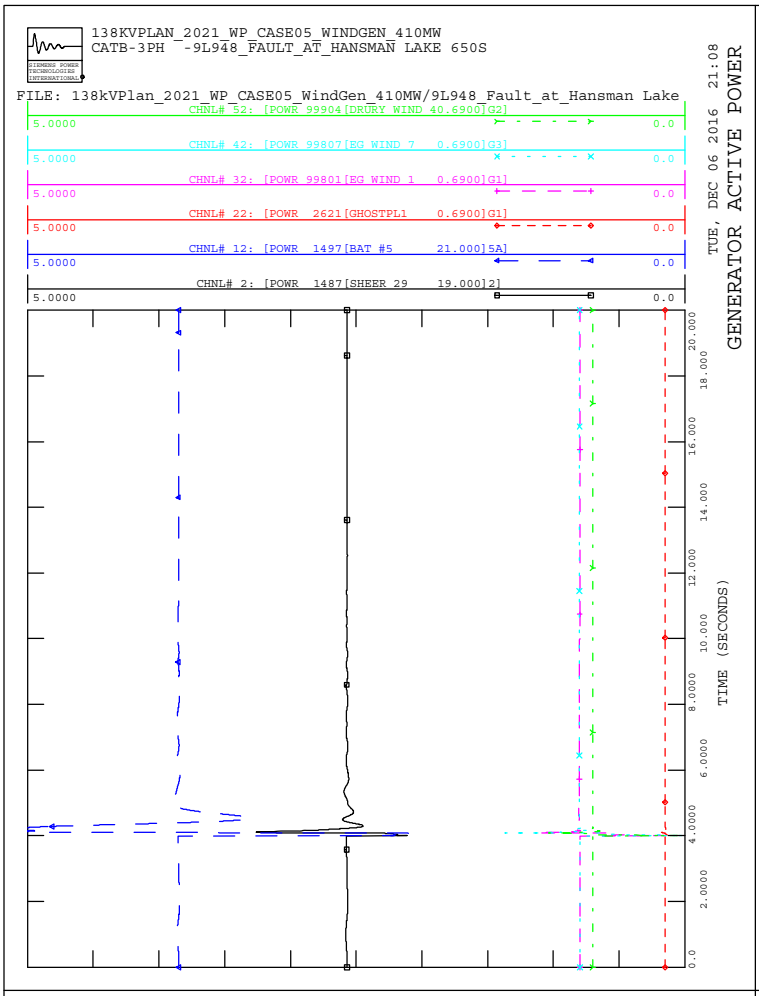
TUE, DEC 06 2016 21:08
FREQUENCY

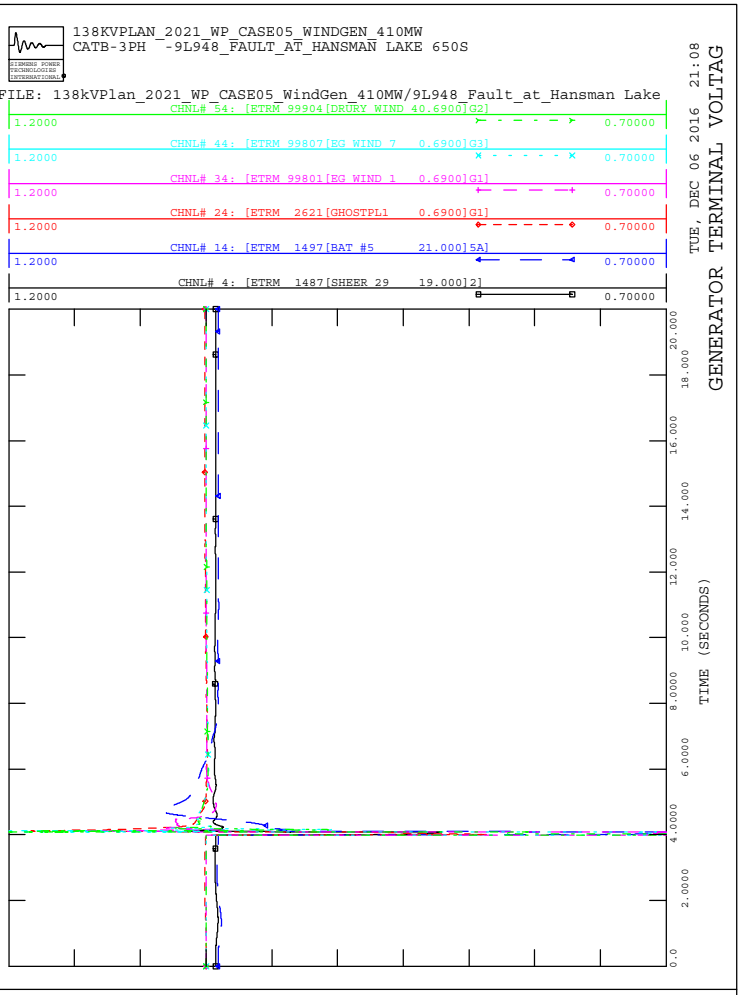
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

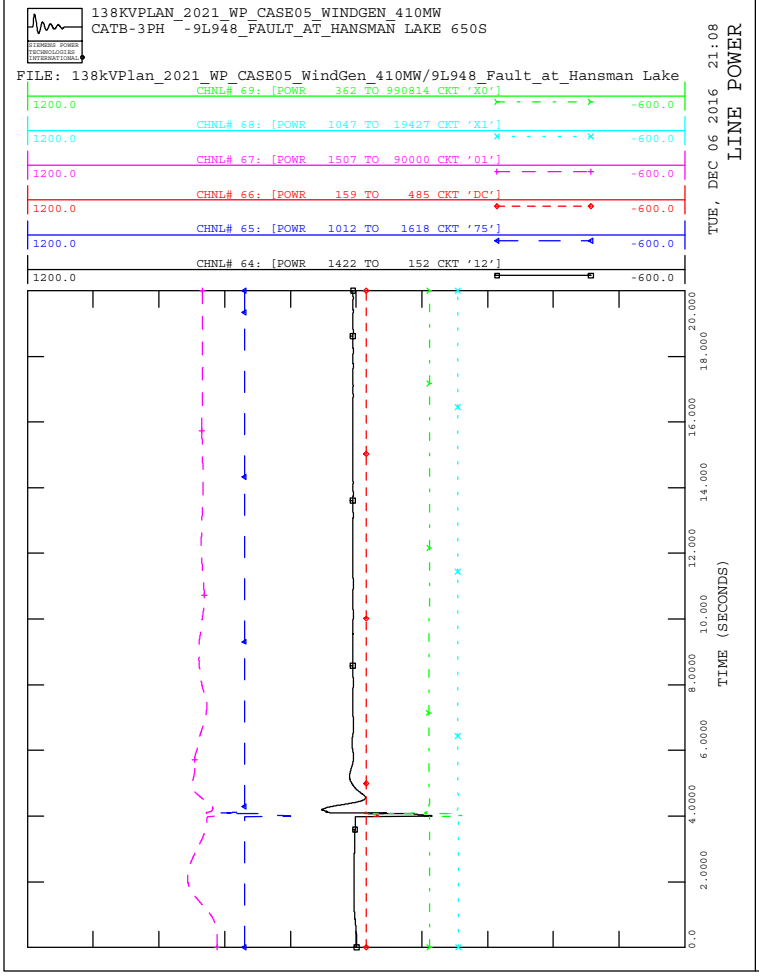
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake

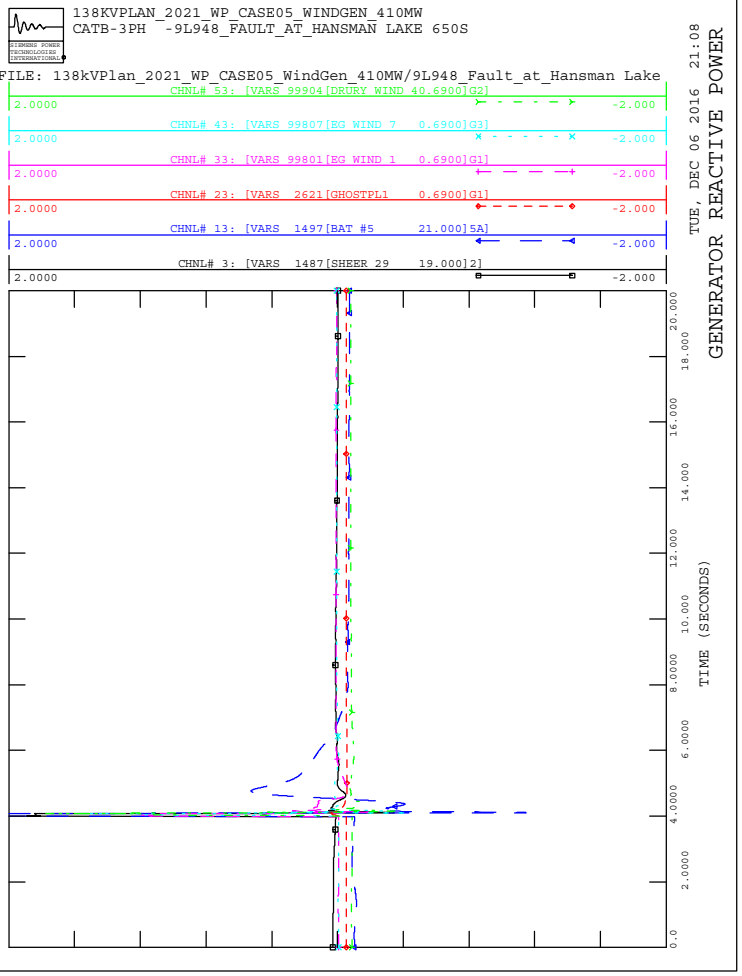


TUE, DEC 06 2016 21:08
MACHINE ANGLE


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:08
LINE POWER

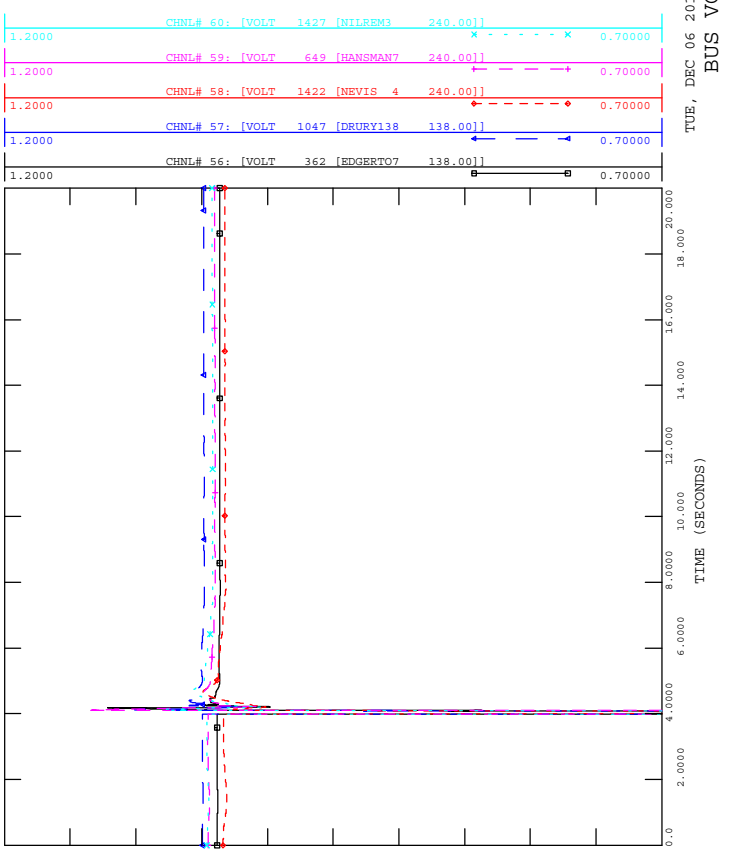

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:08

BUS VOLTAGE

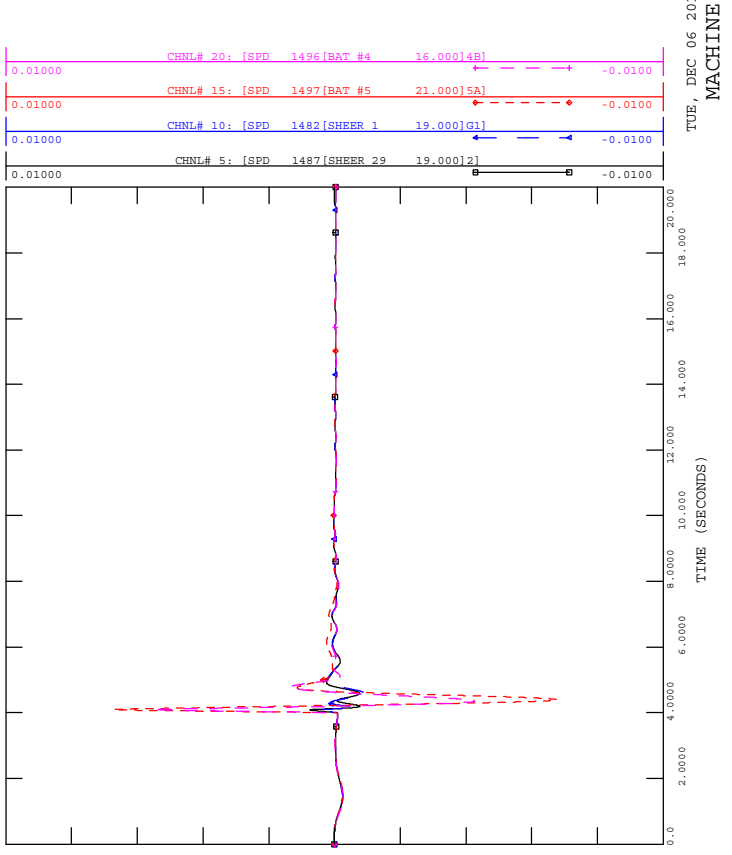


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:08

MACHINE SPEED

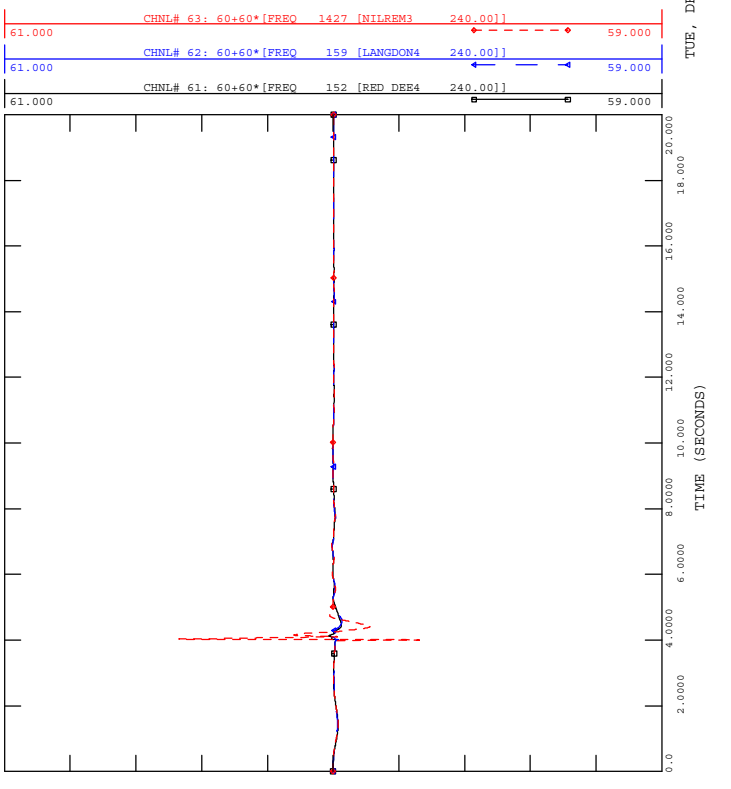


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:08

FREQUENCY

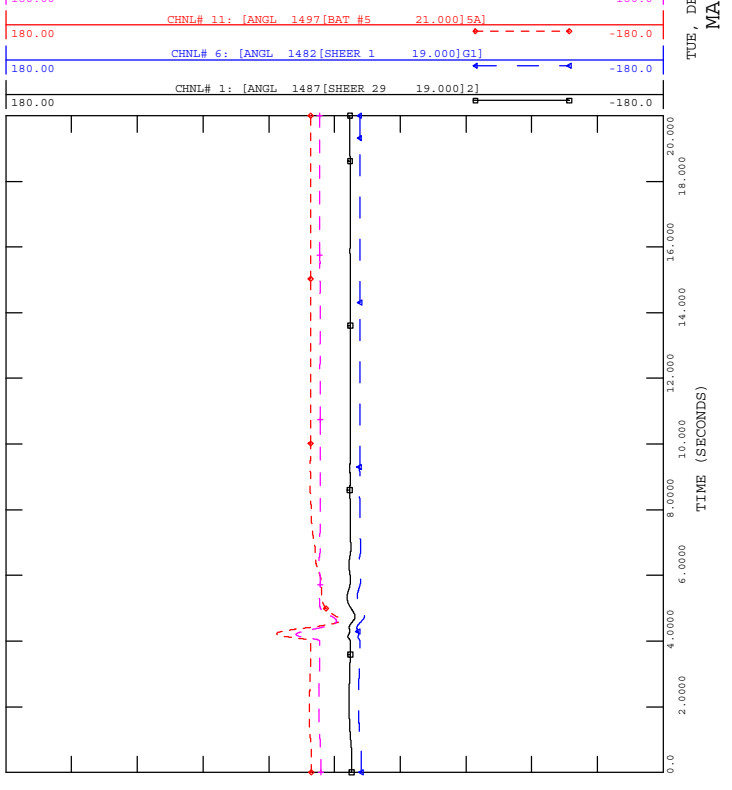


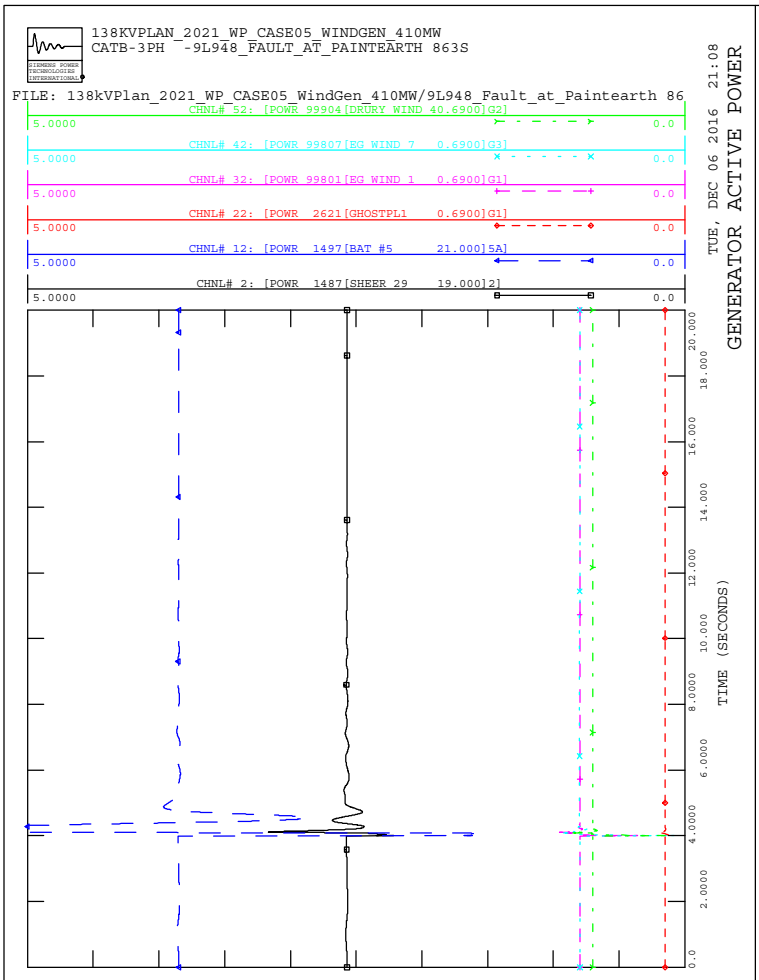
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86

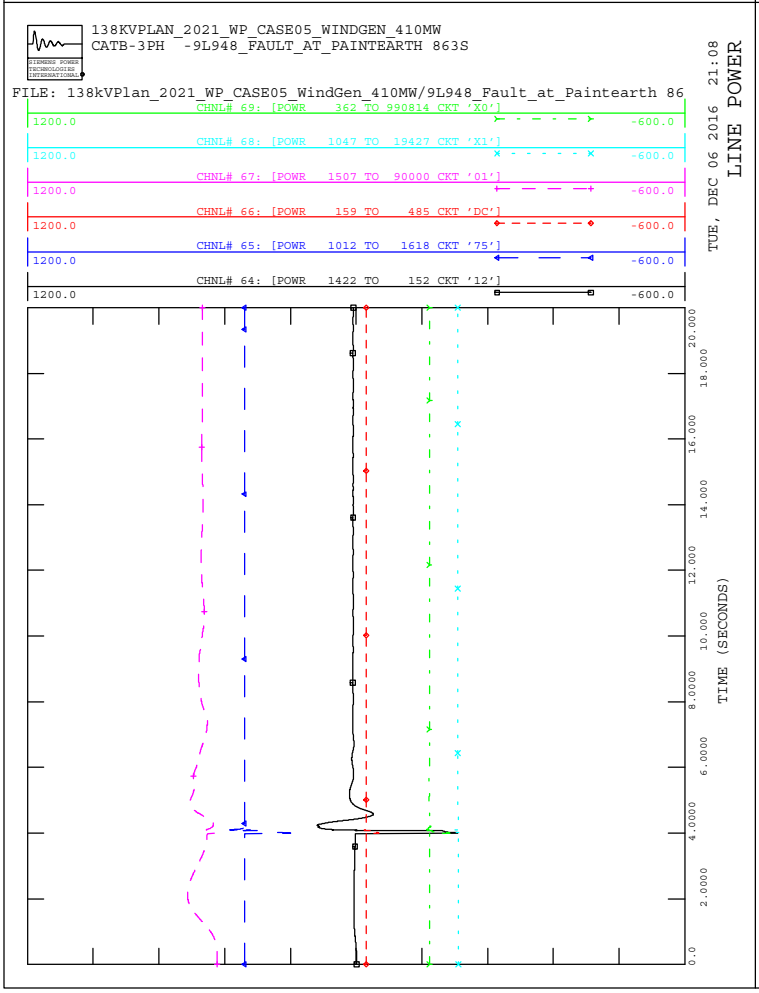
TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)

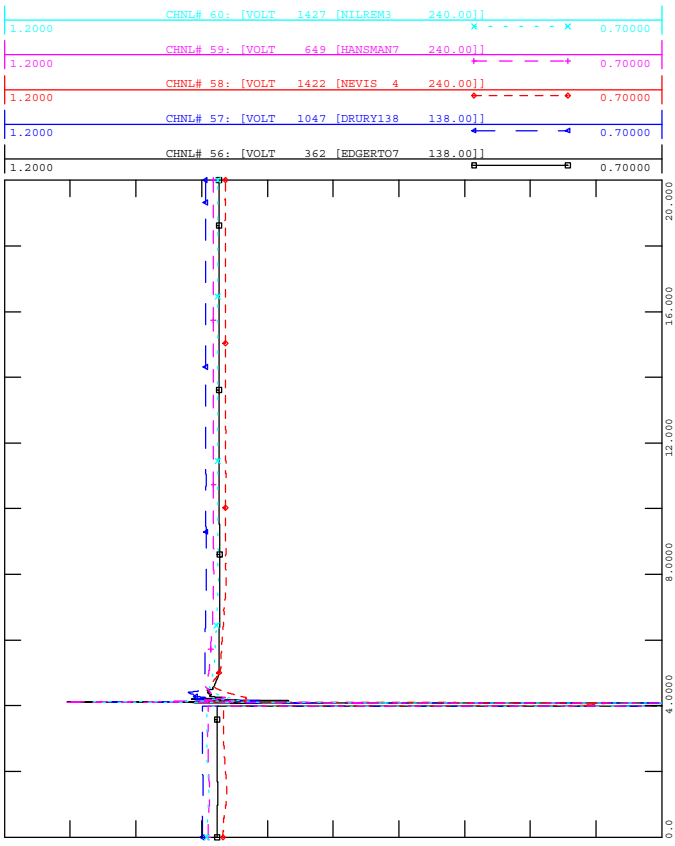
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:08

BUS VOLTAGE

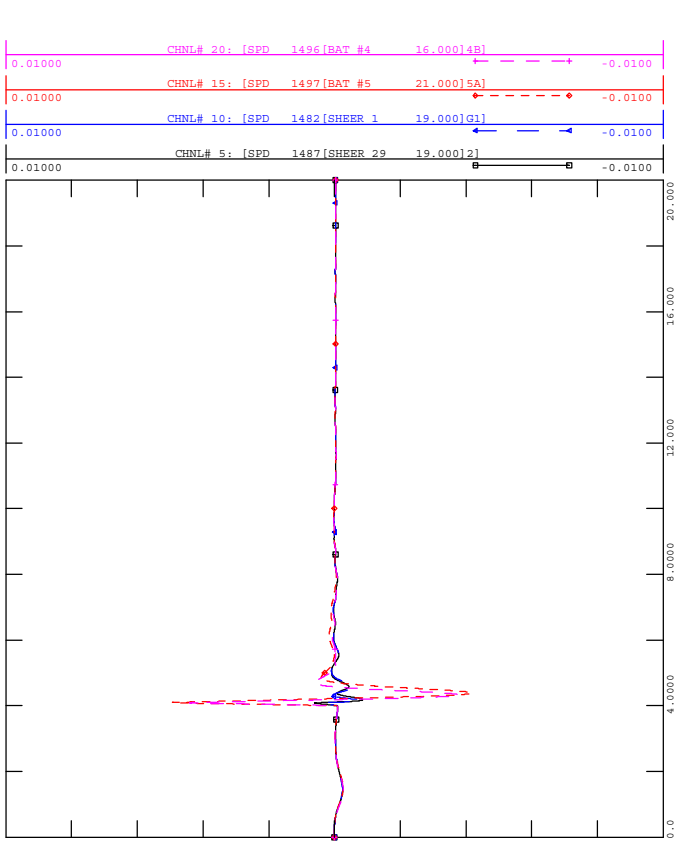


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:08

MACHINE SPEED

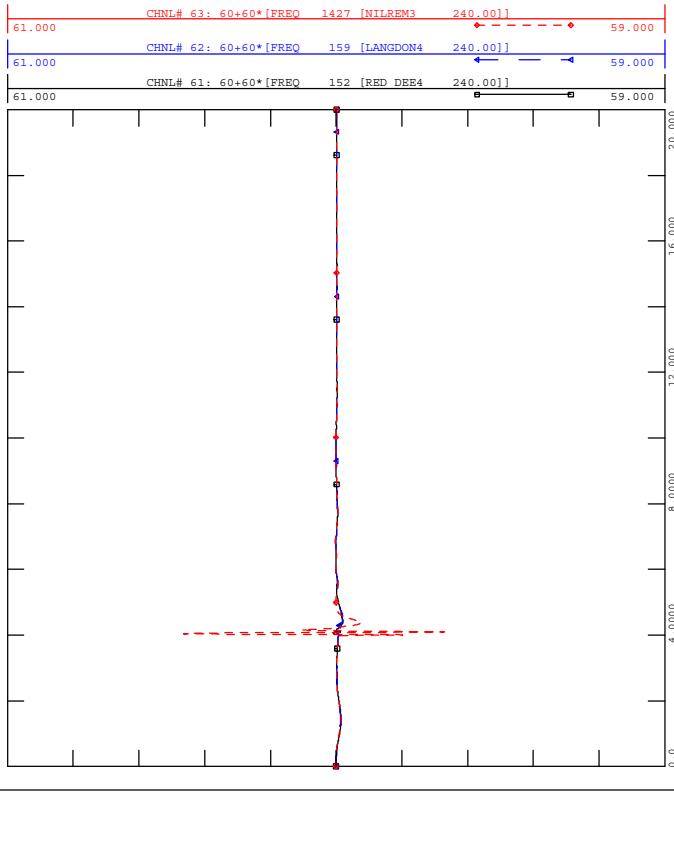


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:08

FREQUENCY

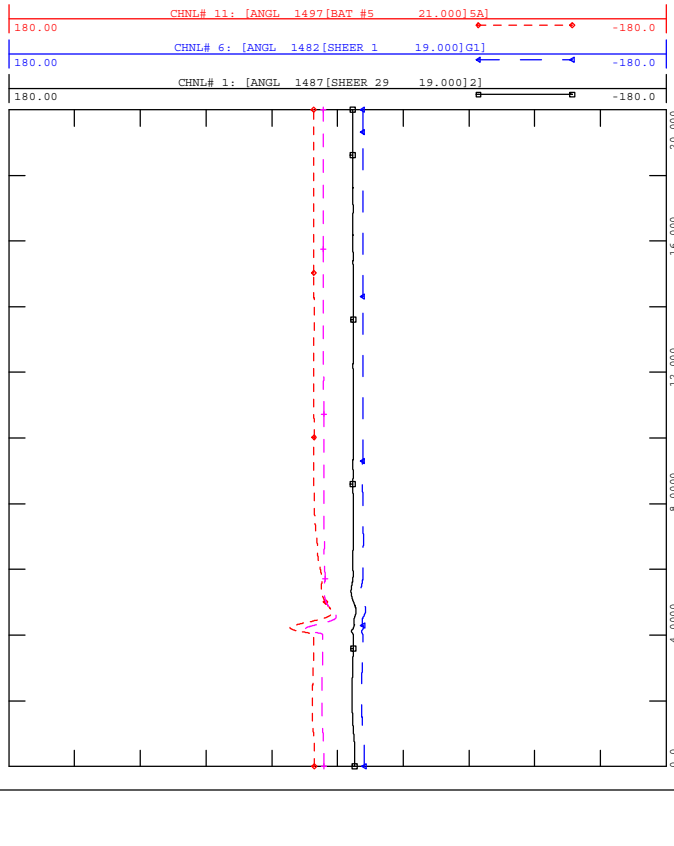


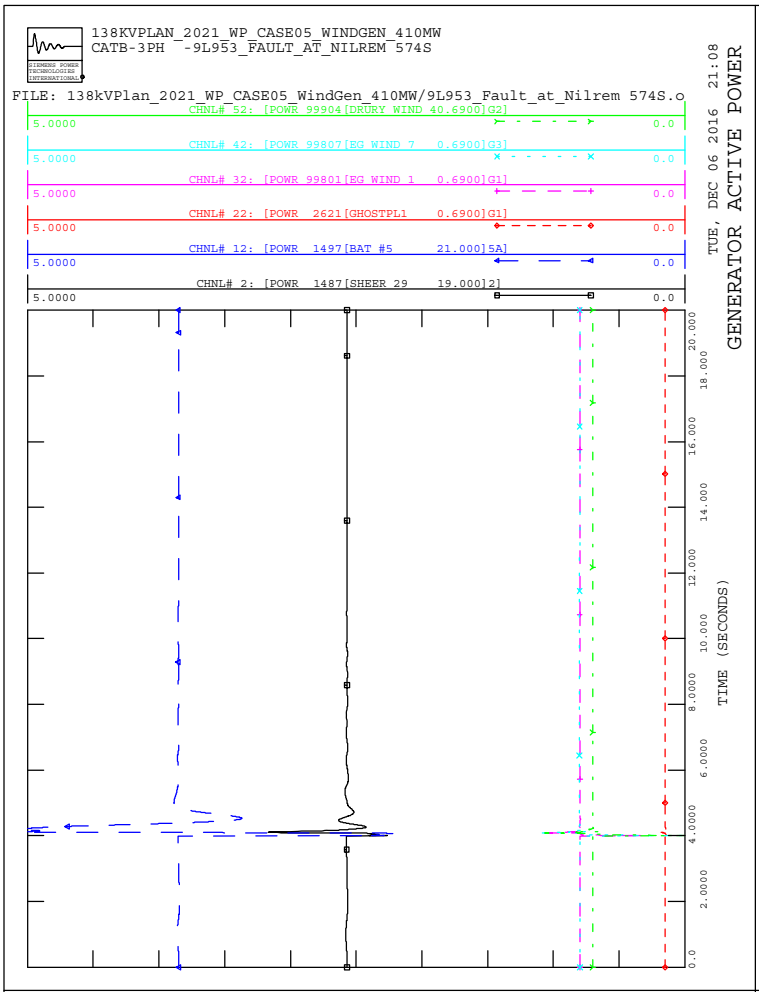
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

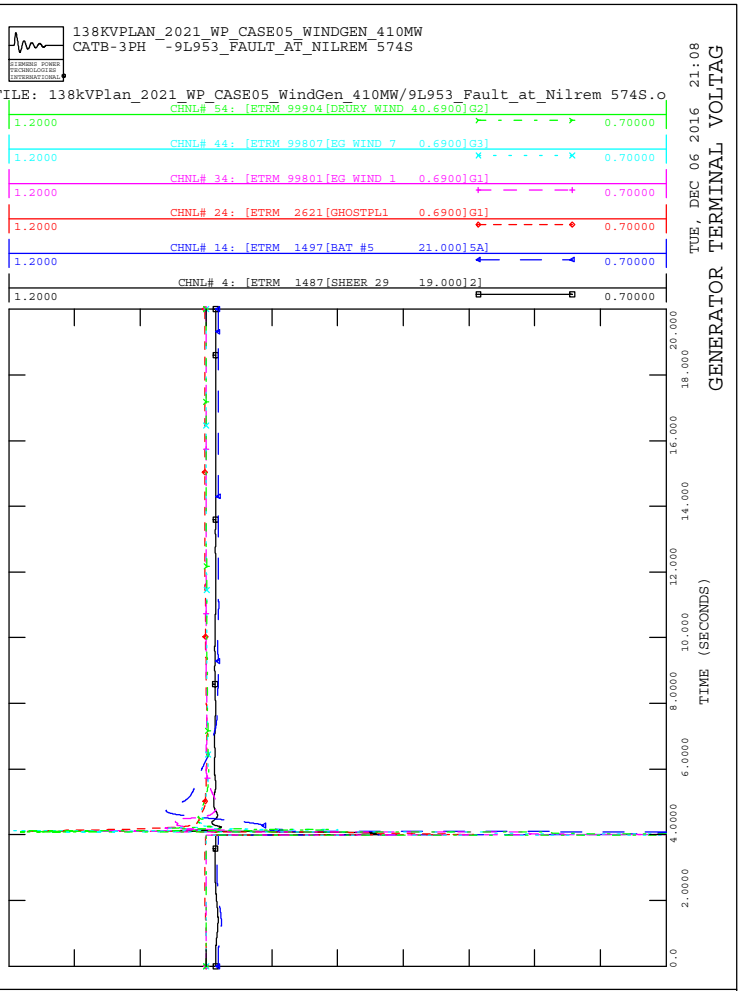
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

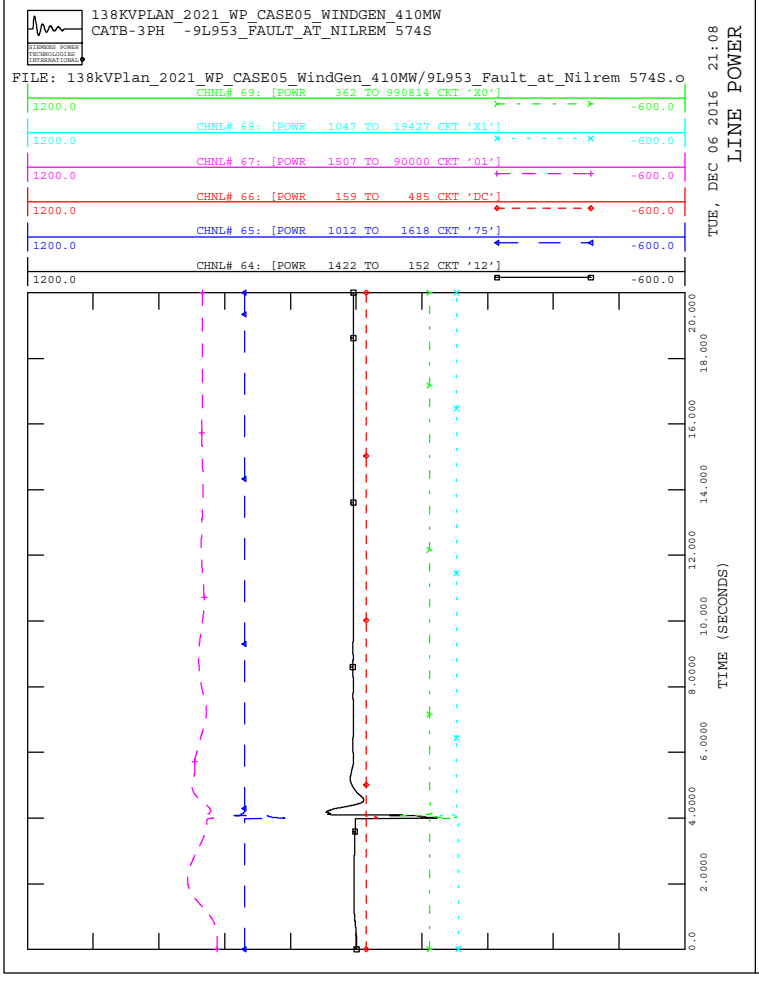
TUE, DEC 06 2016 21:08

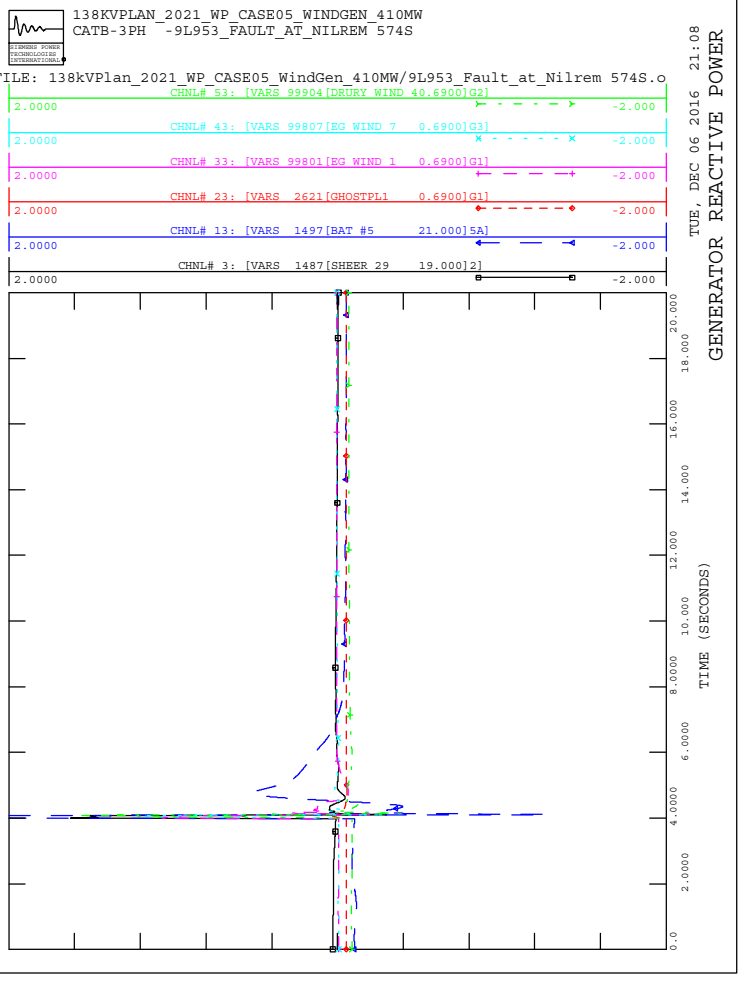
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

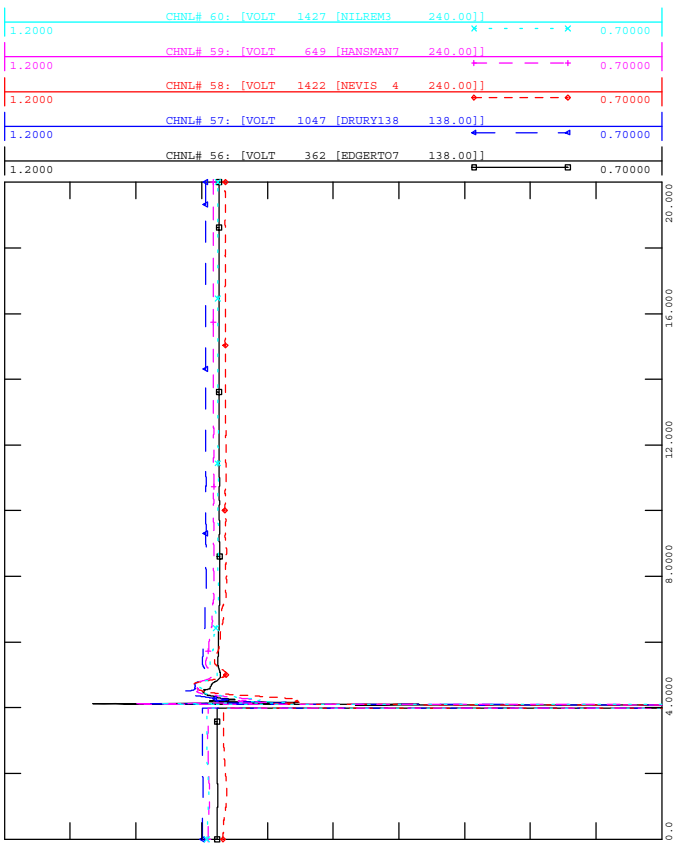

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o

TUE, DEC 06 2016 21:08

BUS VOLTAGE

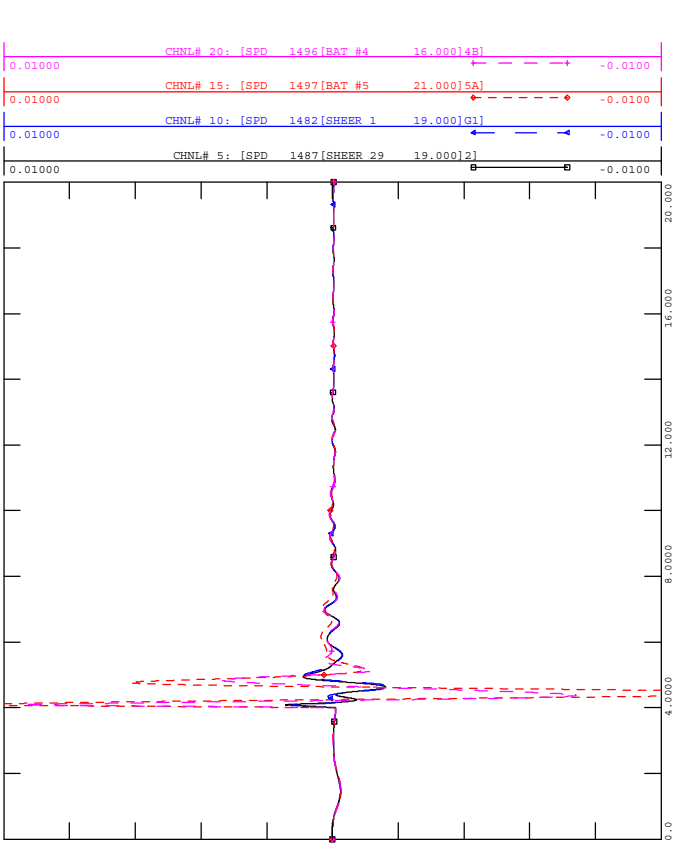


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o

TUE, DEC 06 2016 21:08

MACHINE SPEED

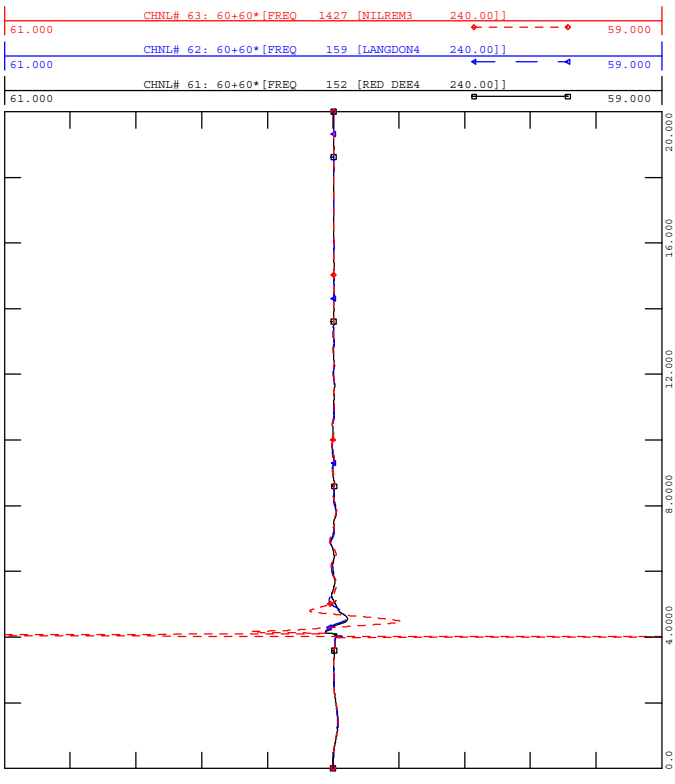


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o

TUE, DEC 06 2016 21:08

FREQUENCY

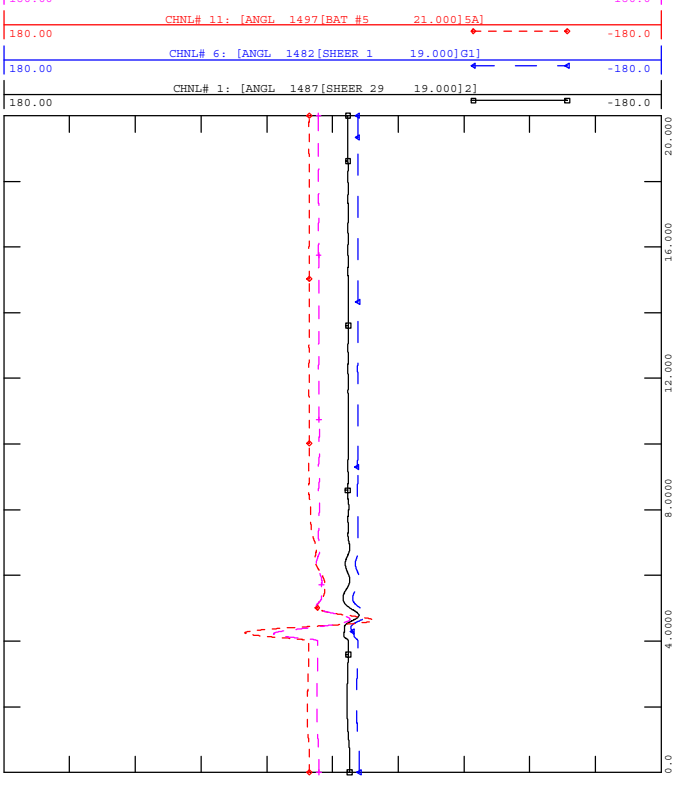


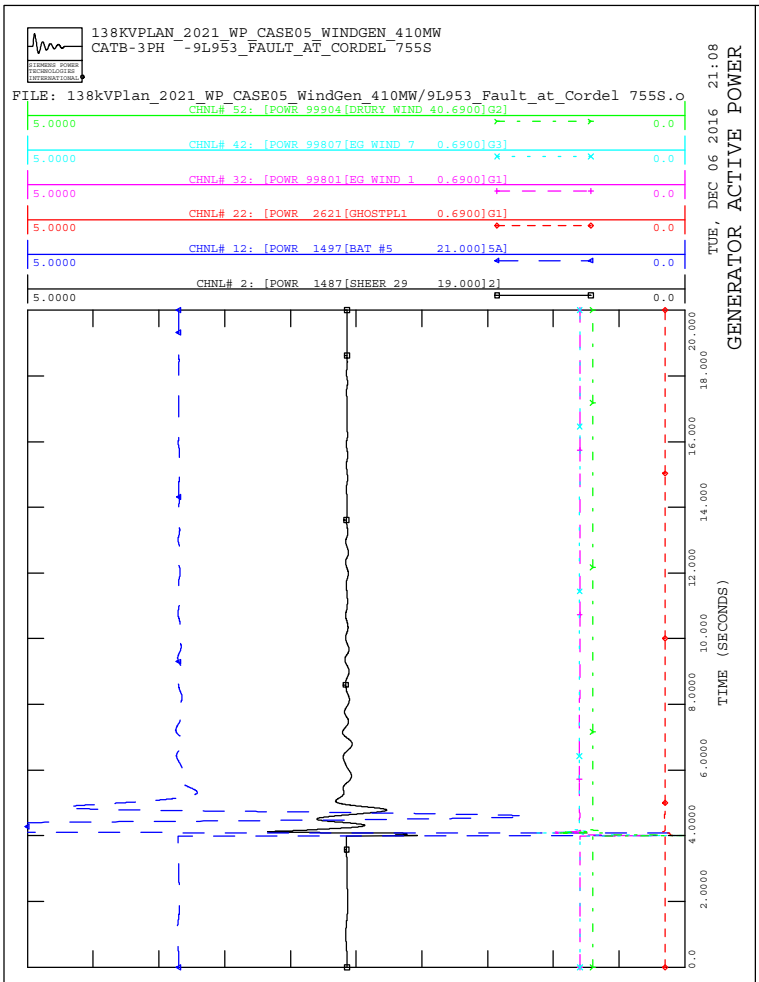
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

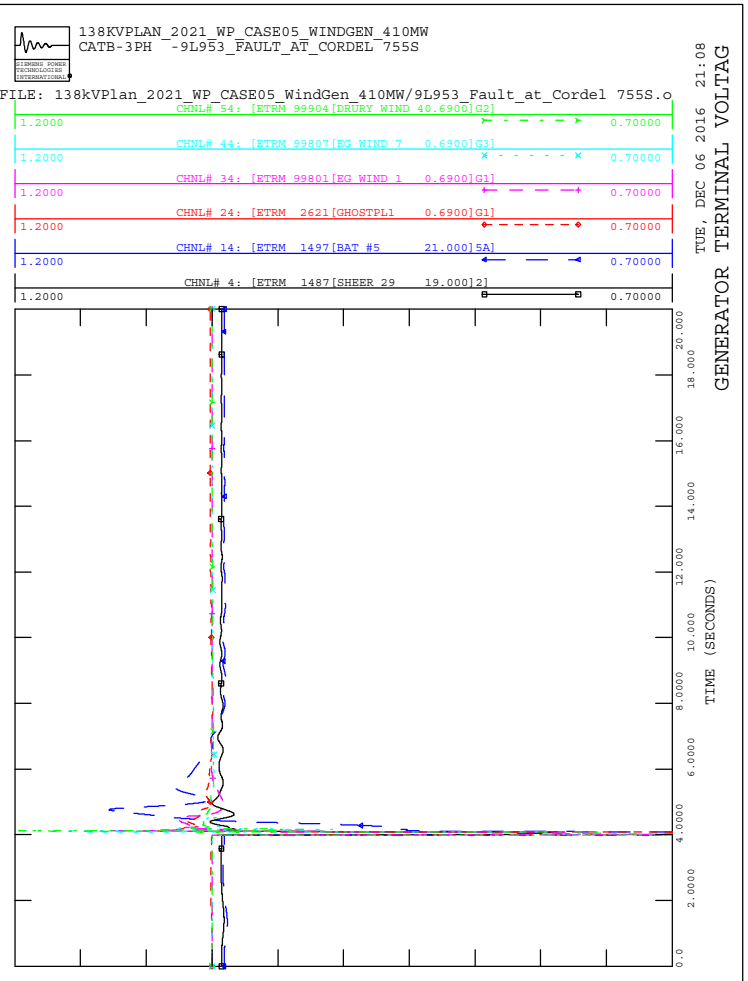
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o

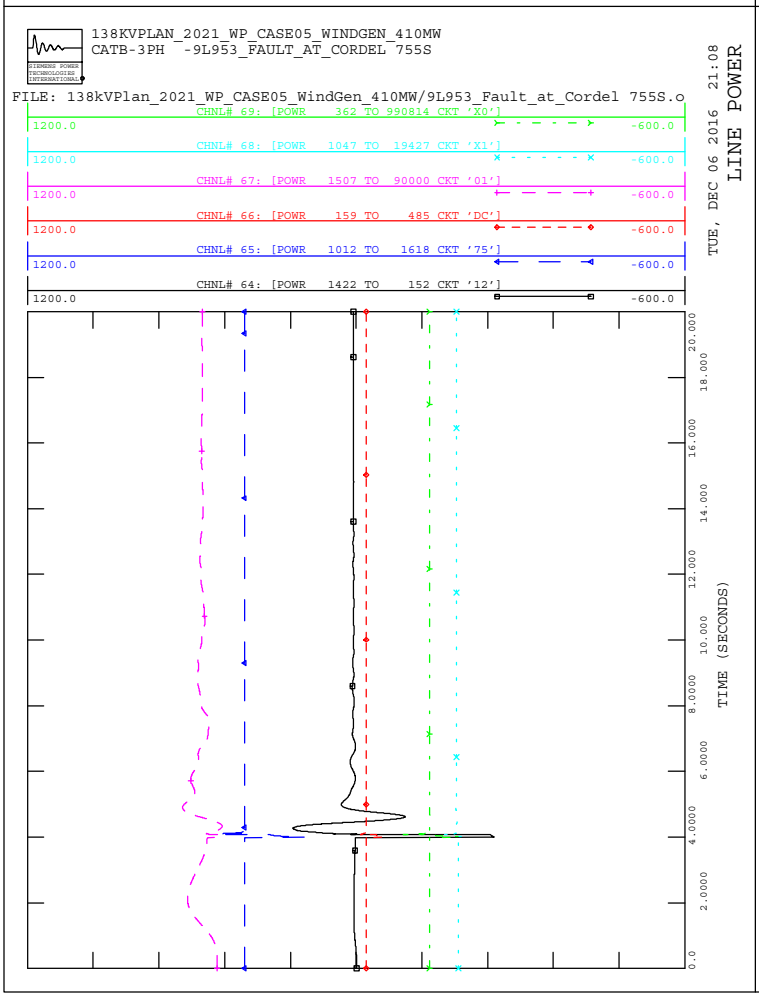
TUE, DEC 06 2016 21:08

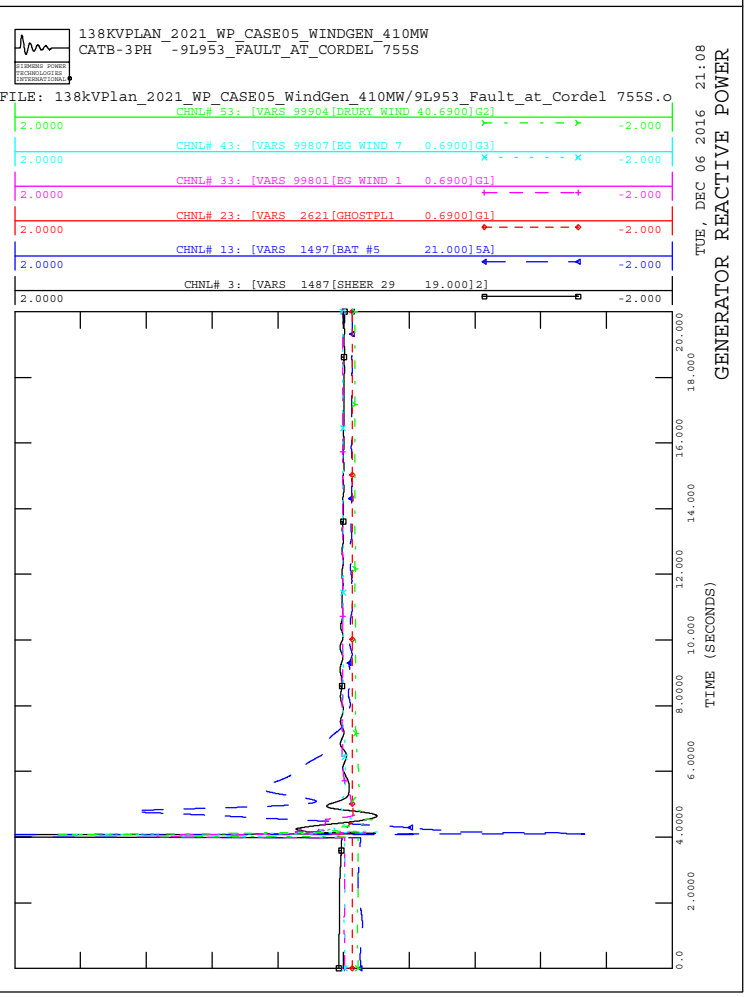
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:08

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:08

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:08

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

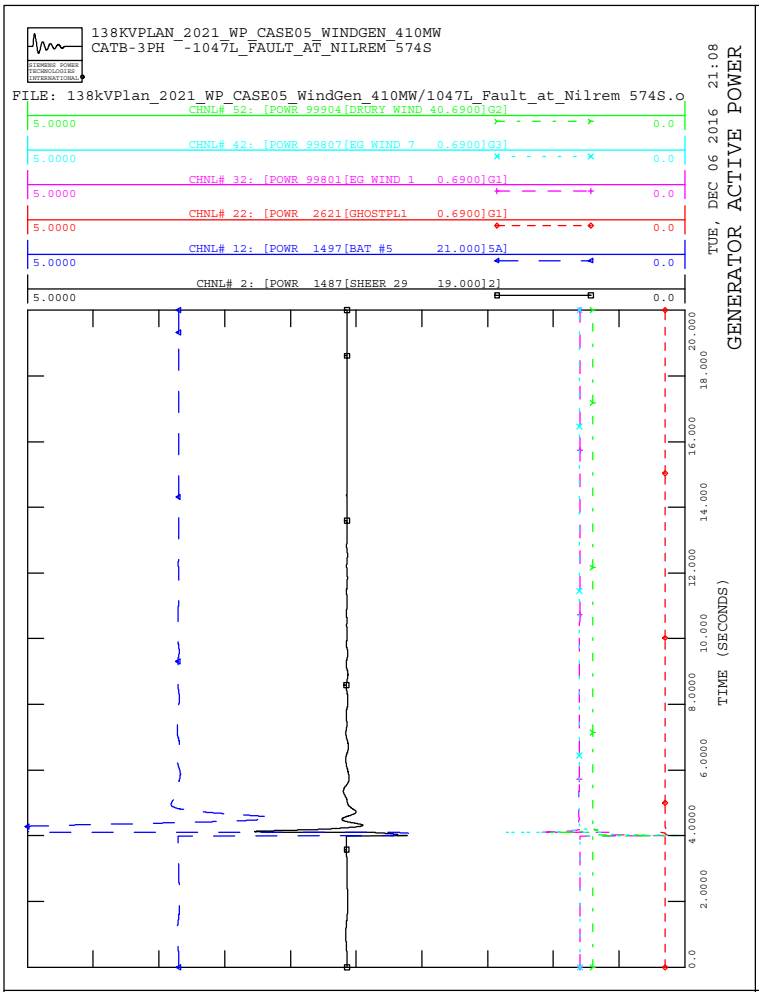
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:08

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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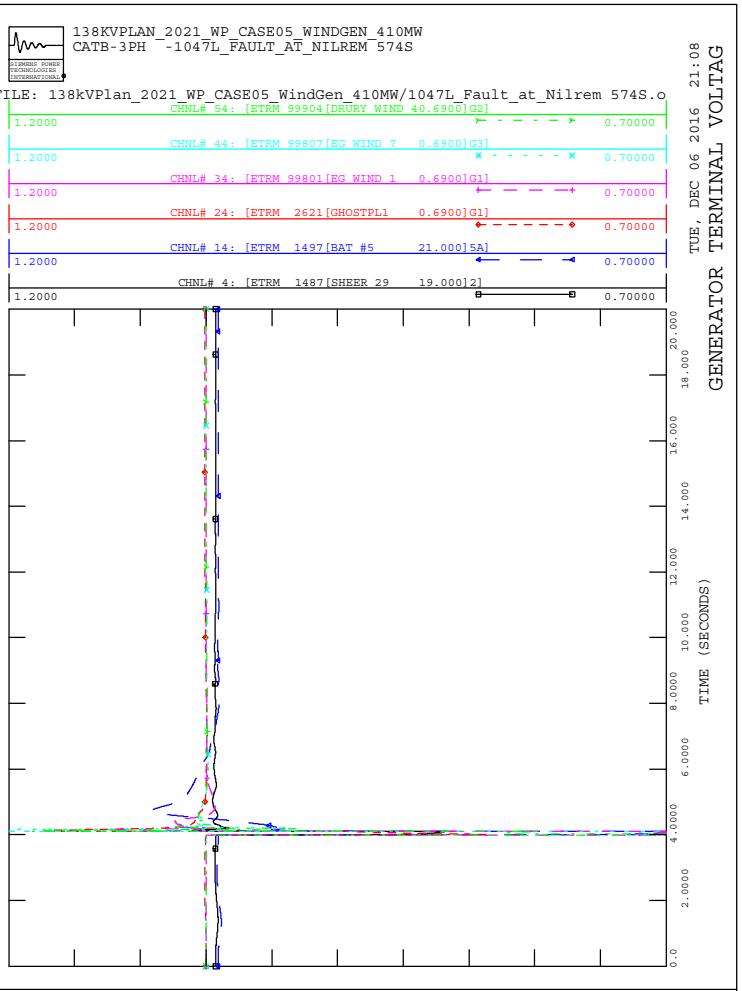
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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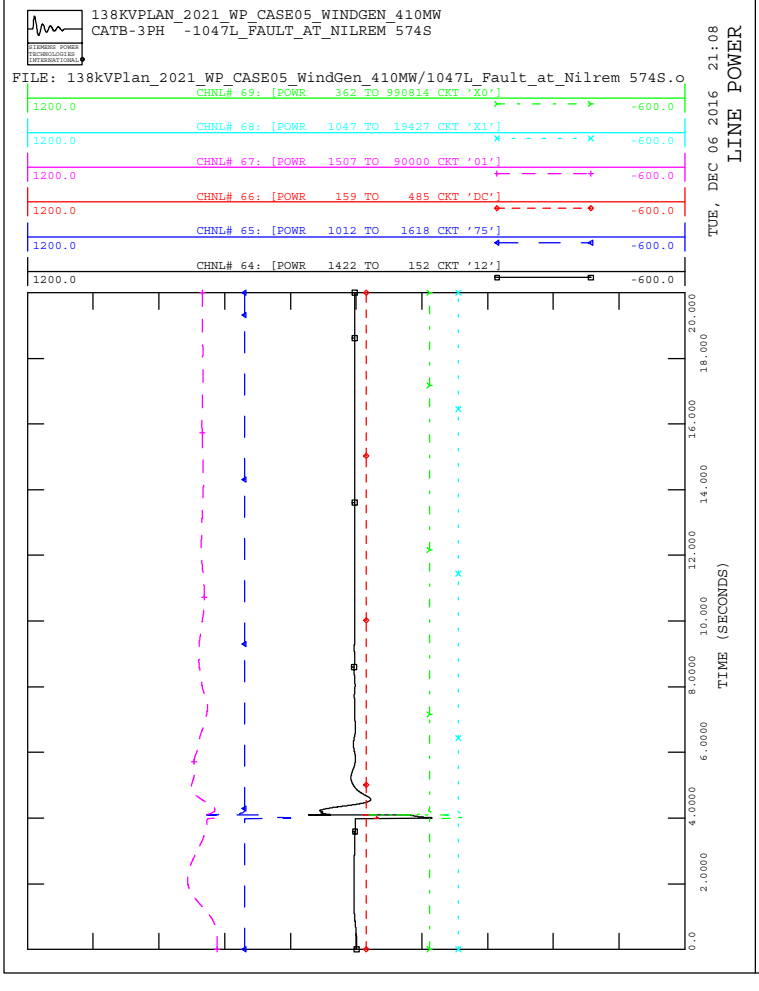
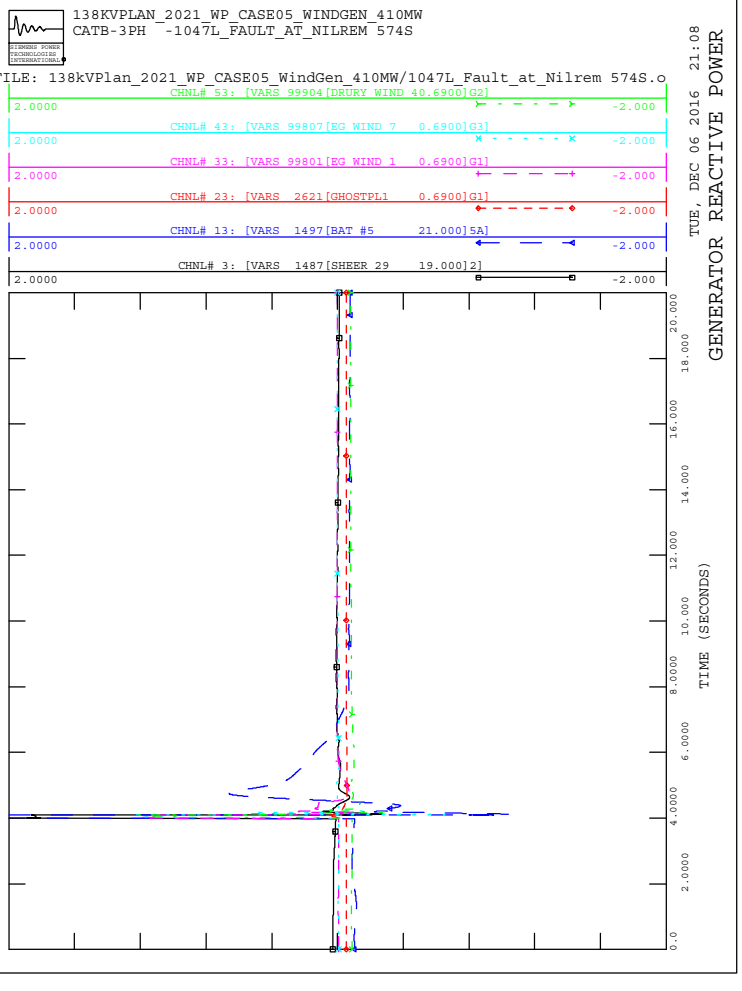
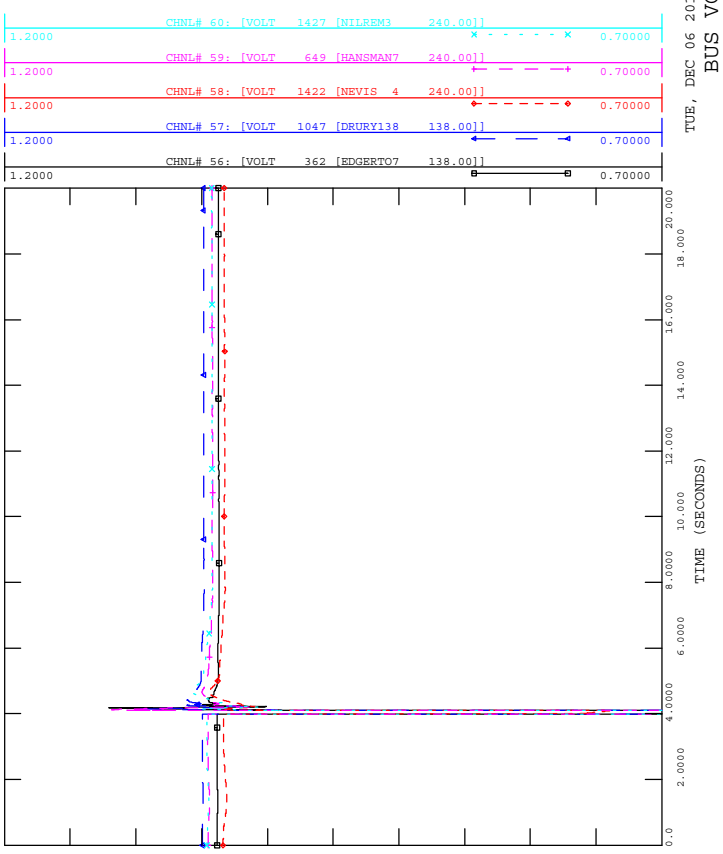
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

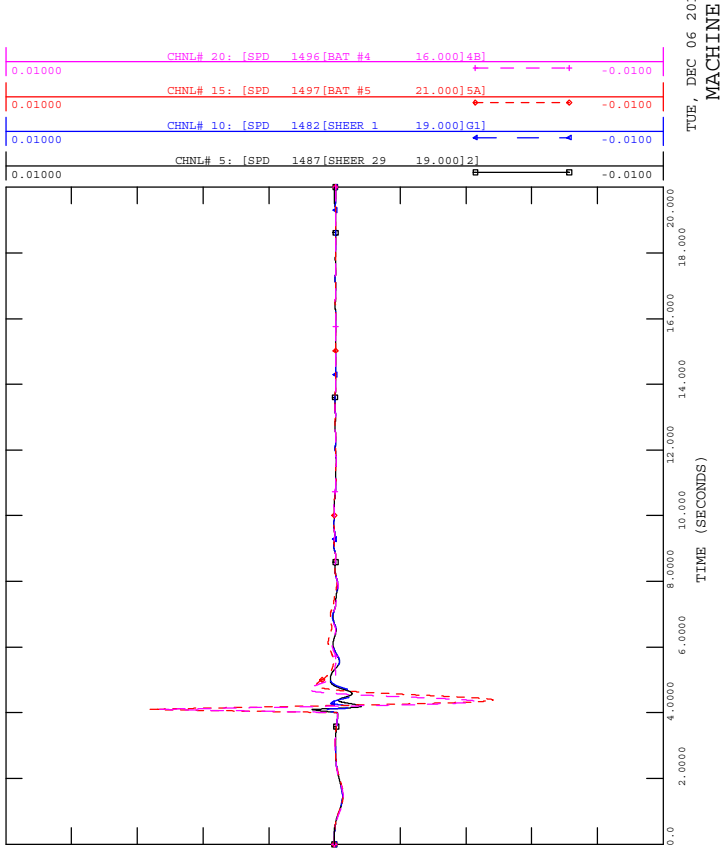
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:08
BUS VOLTAGE

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

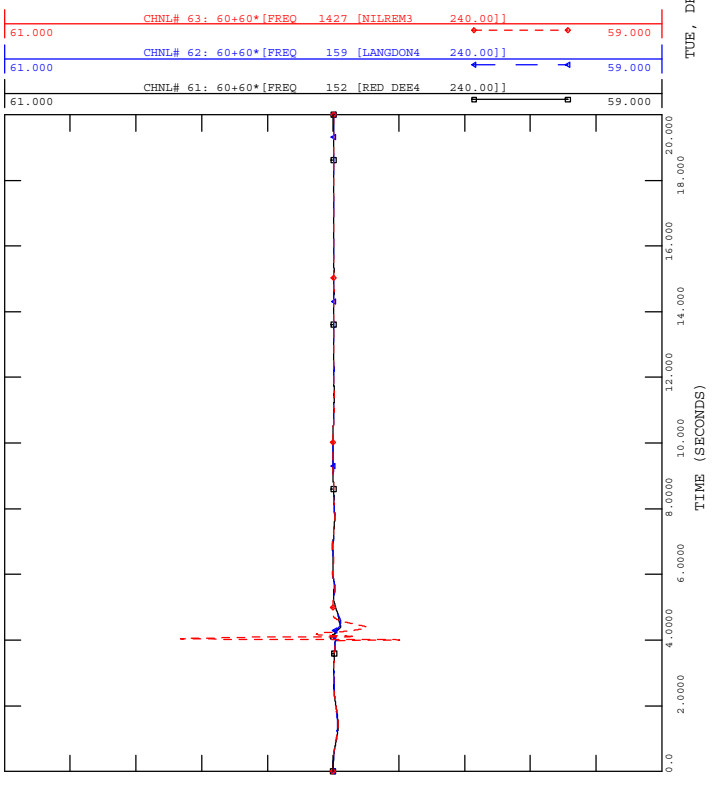
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:08
MACHINE SPEED

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

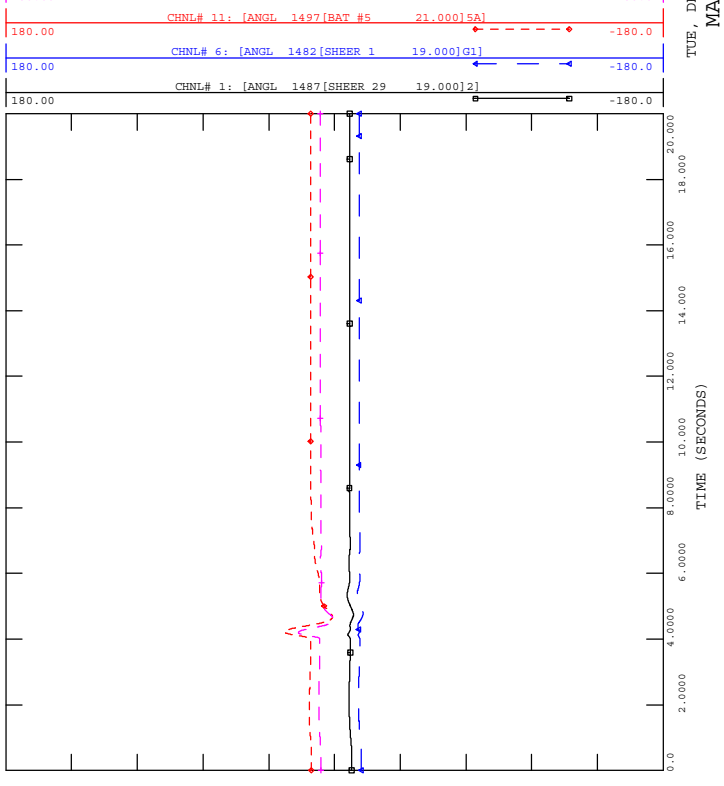
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake



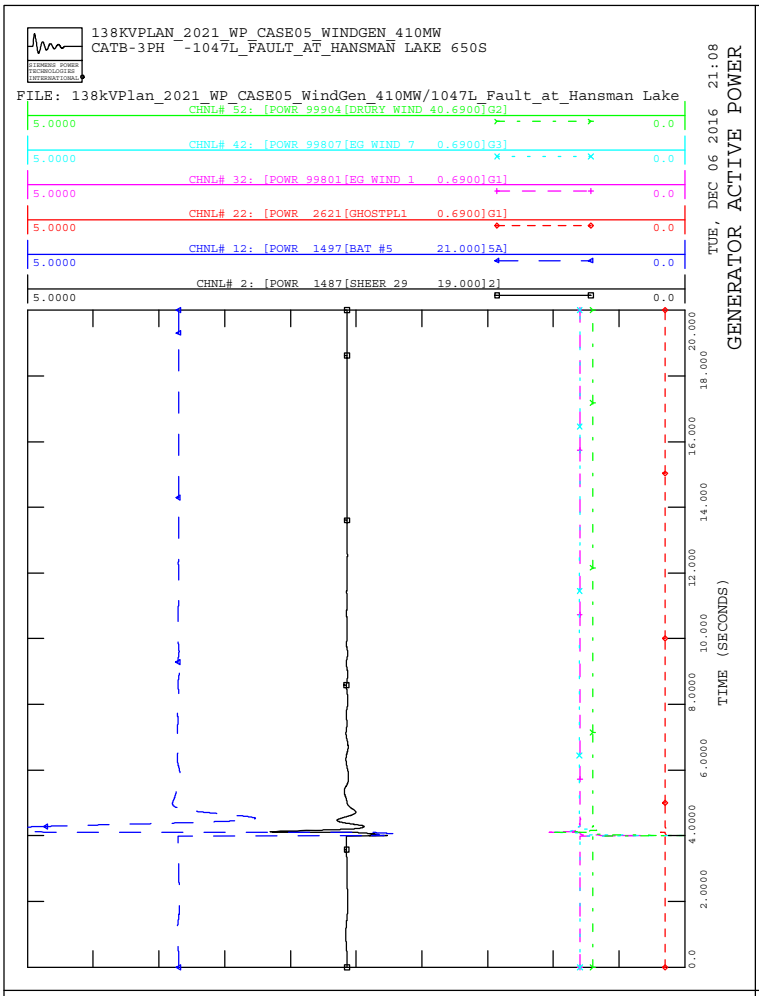
TUE, DEC 06 2016 21:08
FREQUENCY

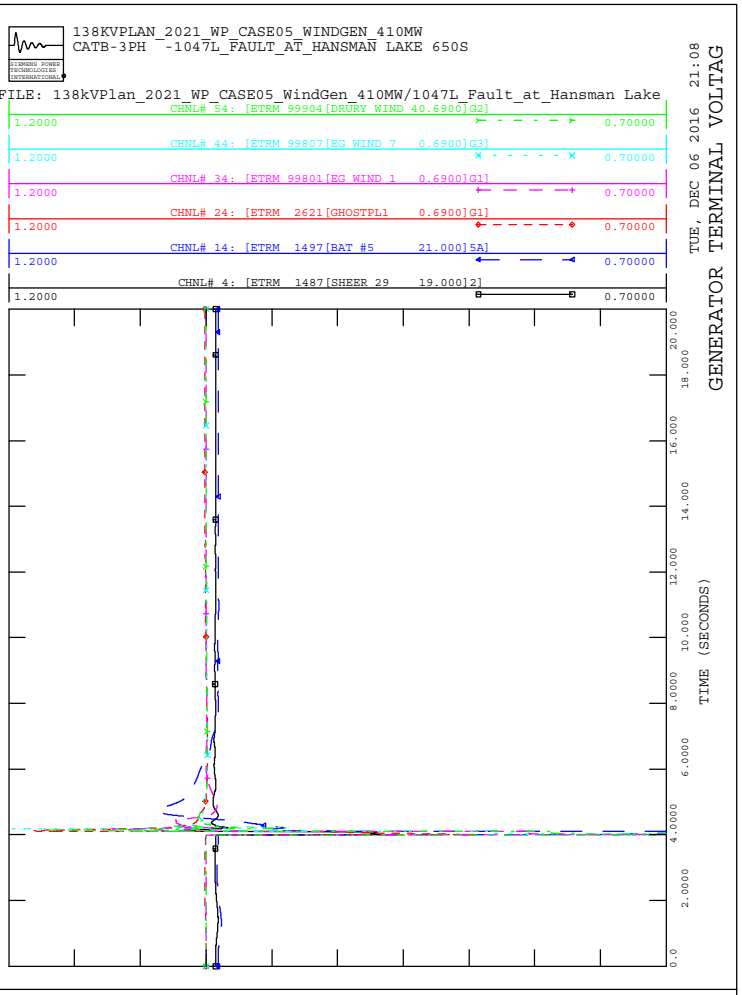
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:08
MACHINE ANGLE


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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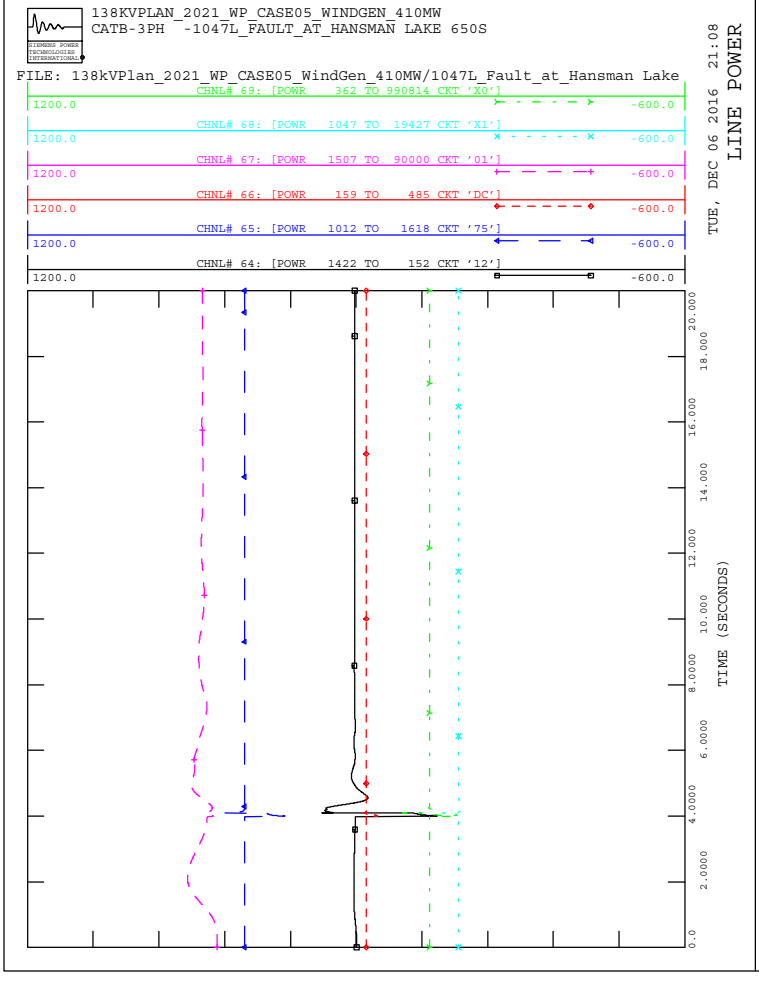
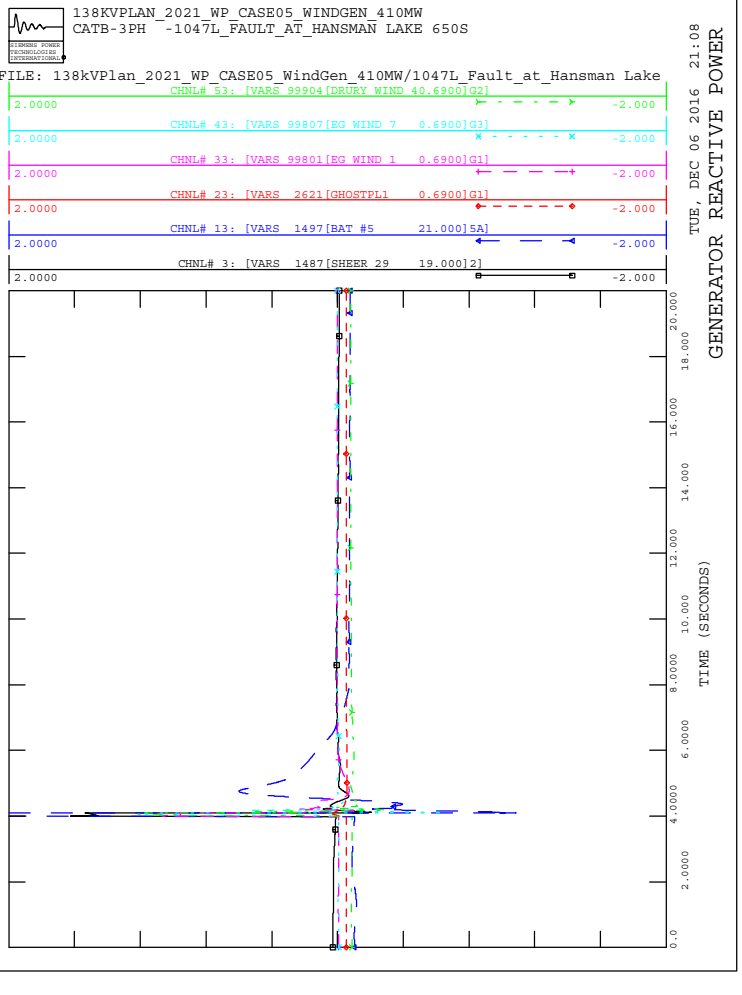
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:08

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:08

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:08

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

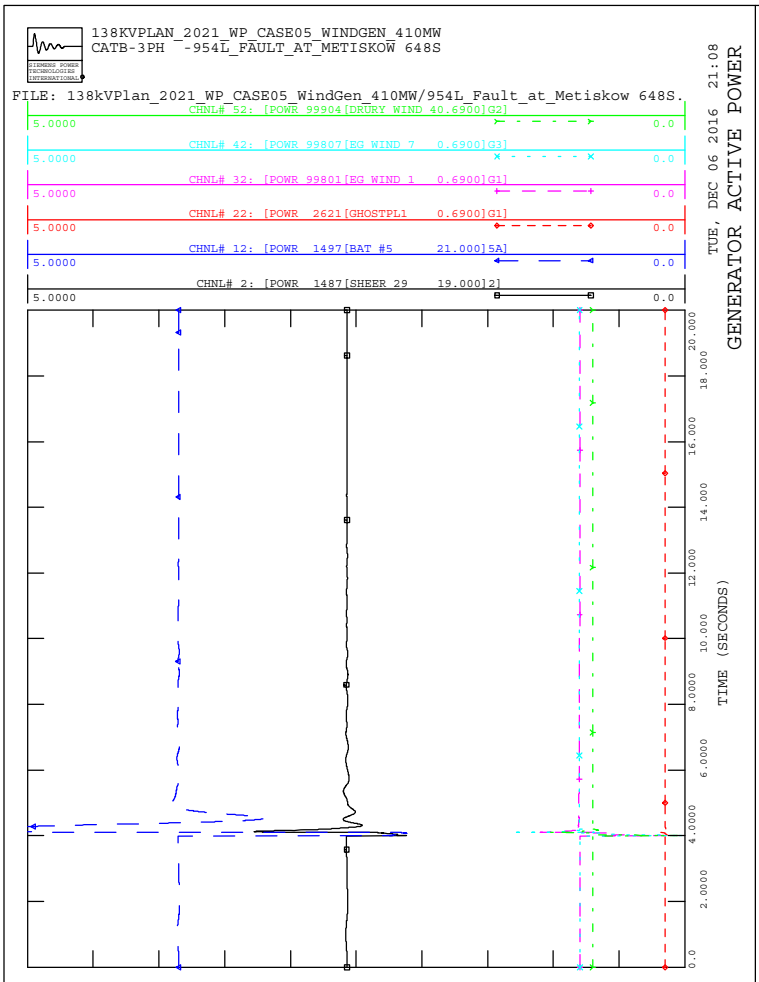
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.

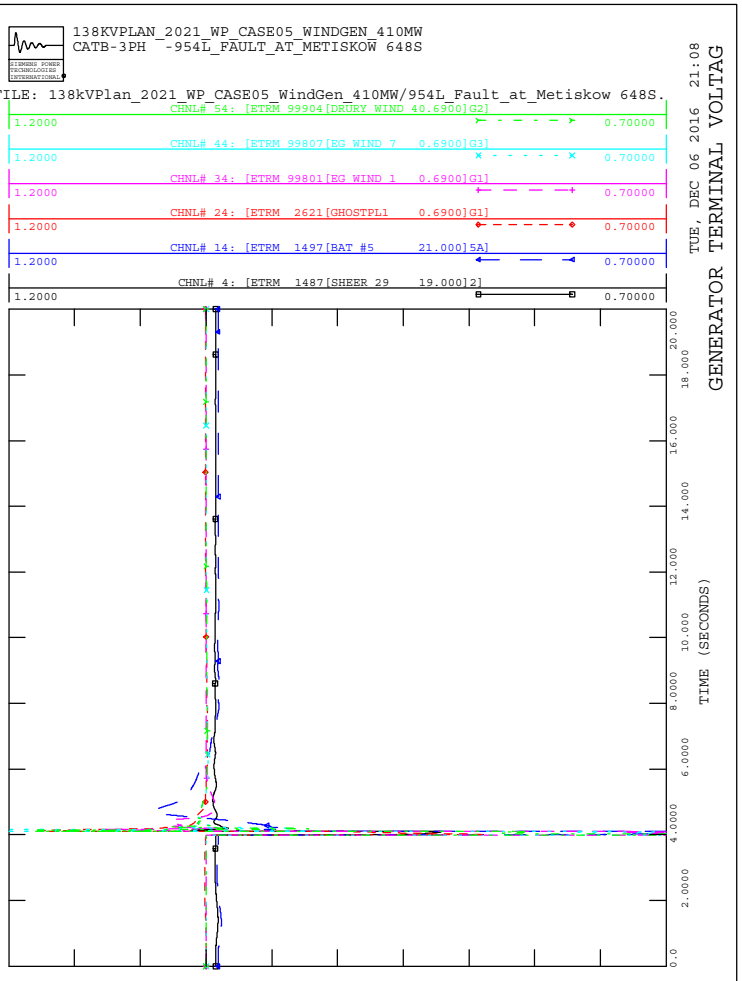
TUE, DEC 06 2016 21:08

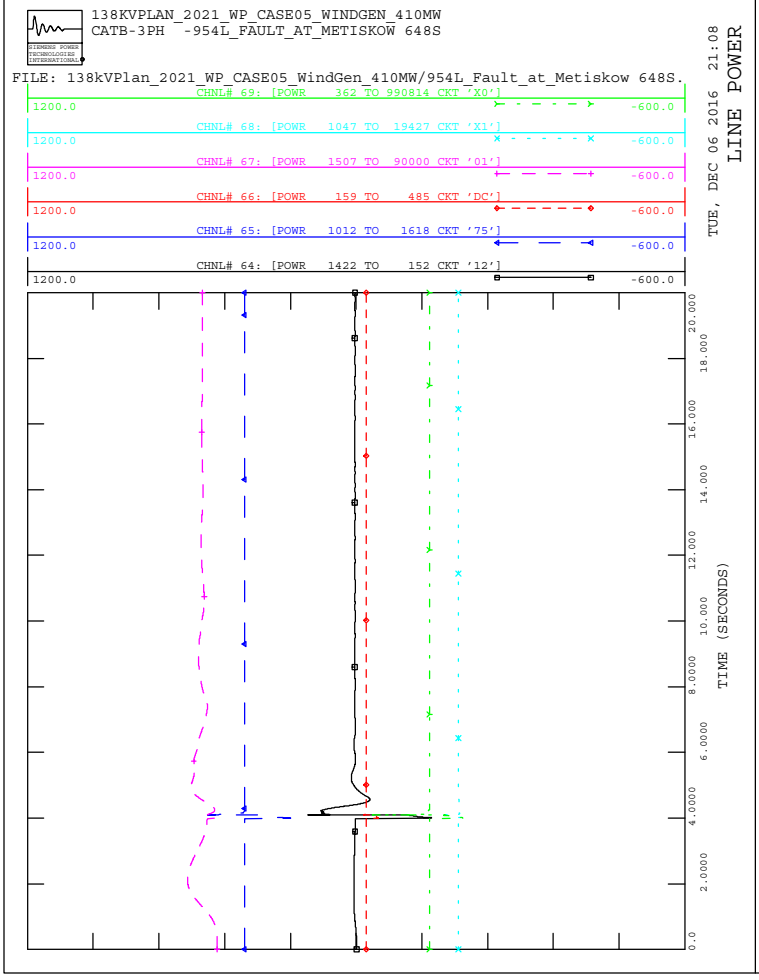
MACHINE ANGLE

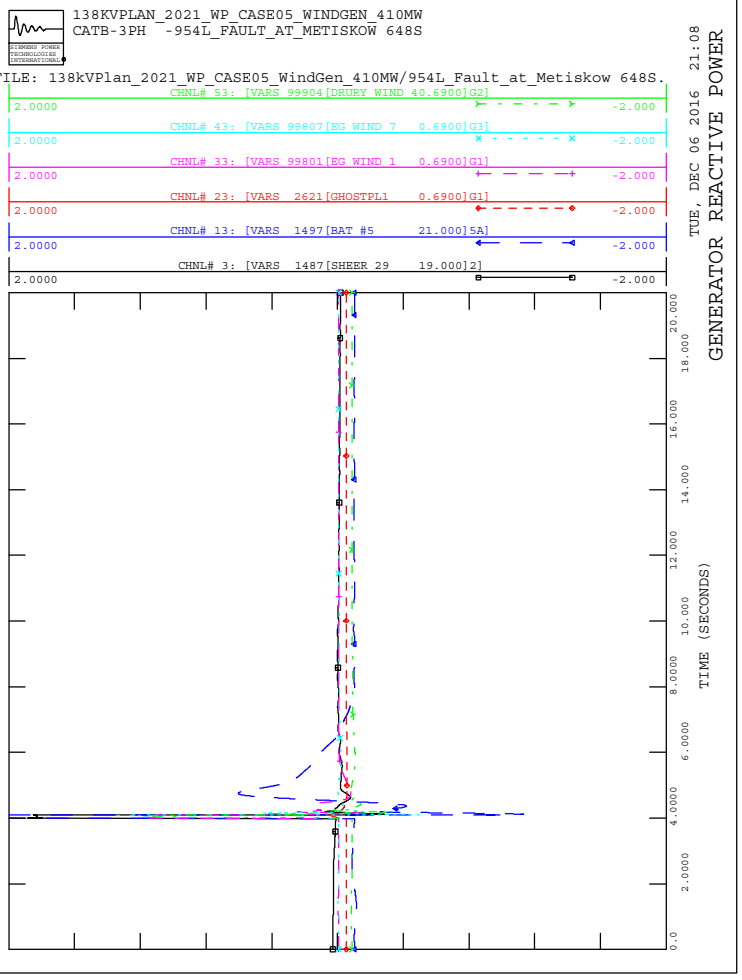
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:08
LINE POWER

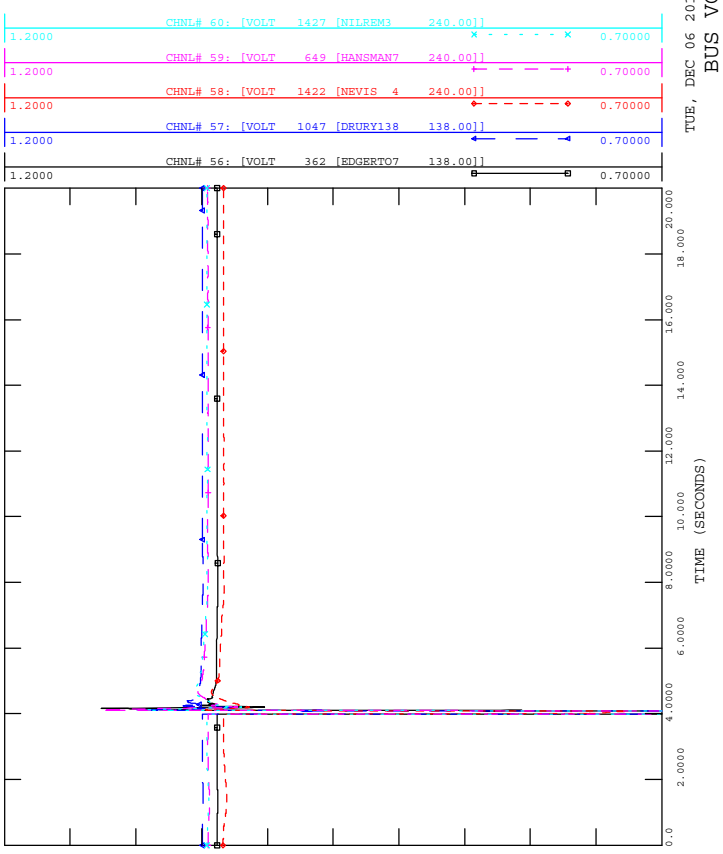

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:08

BUS VOLTAGE

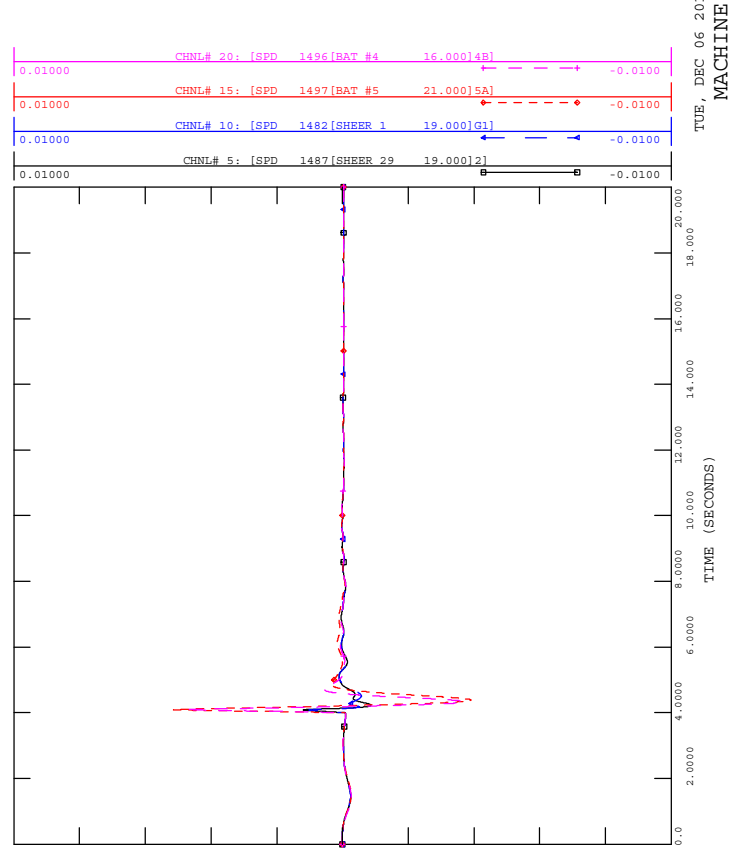


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:08

MACHINE SPEED

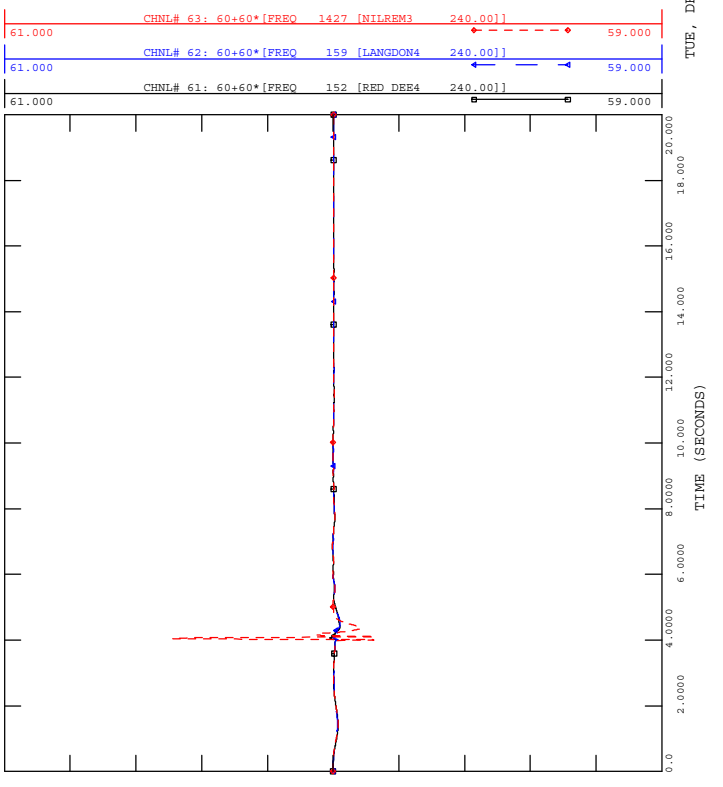


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:08

FREQUENCY

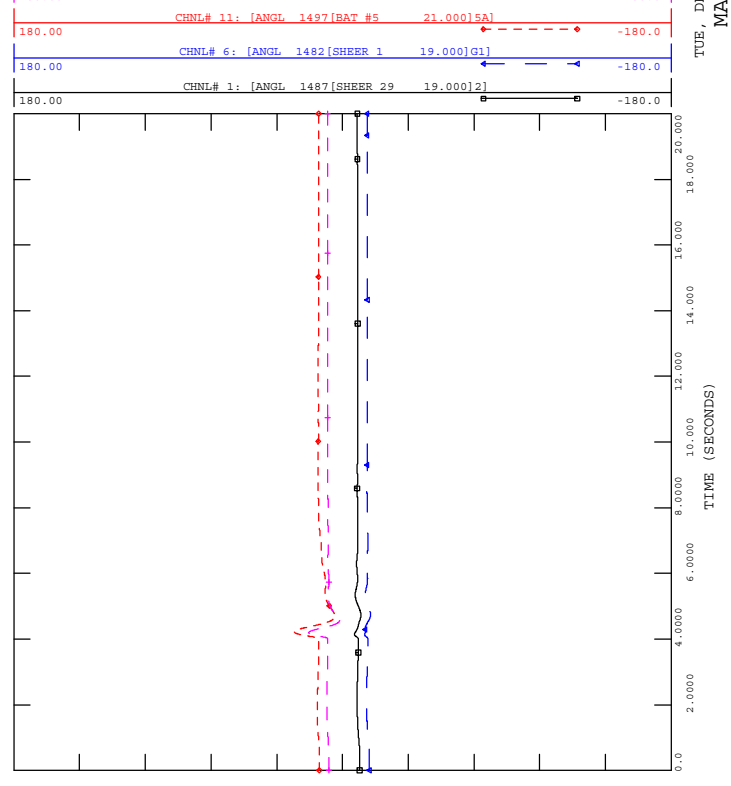


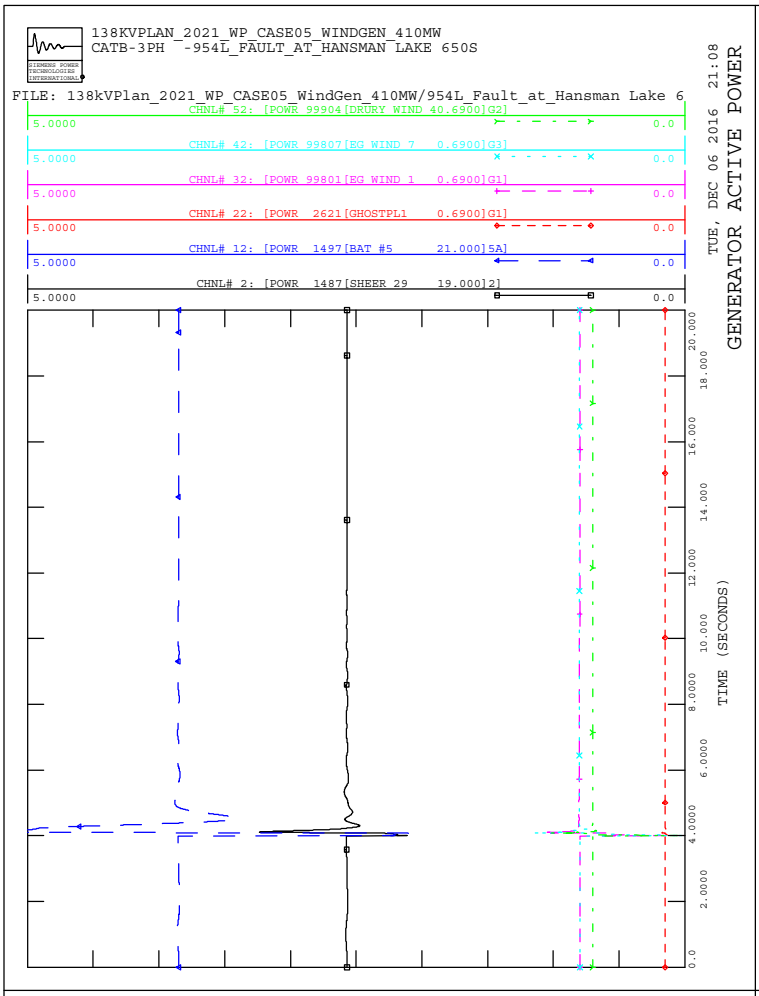
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

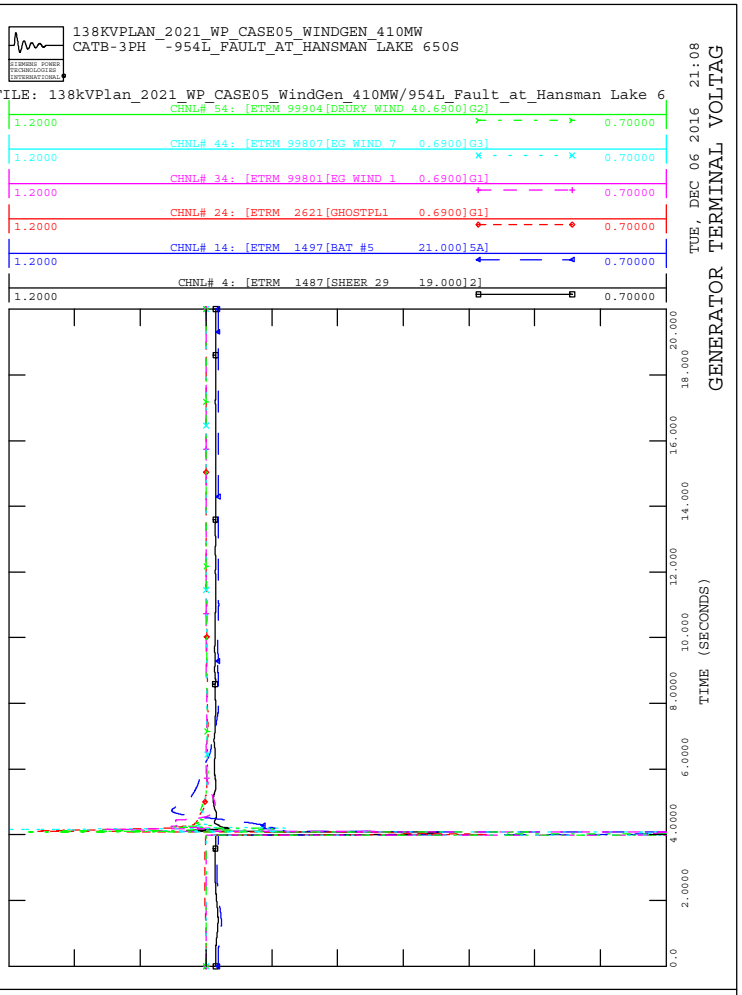
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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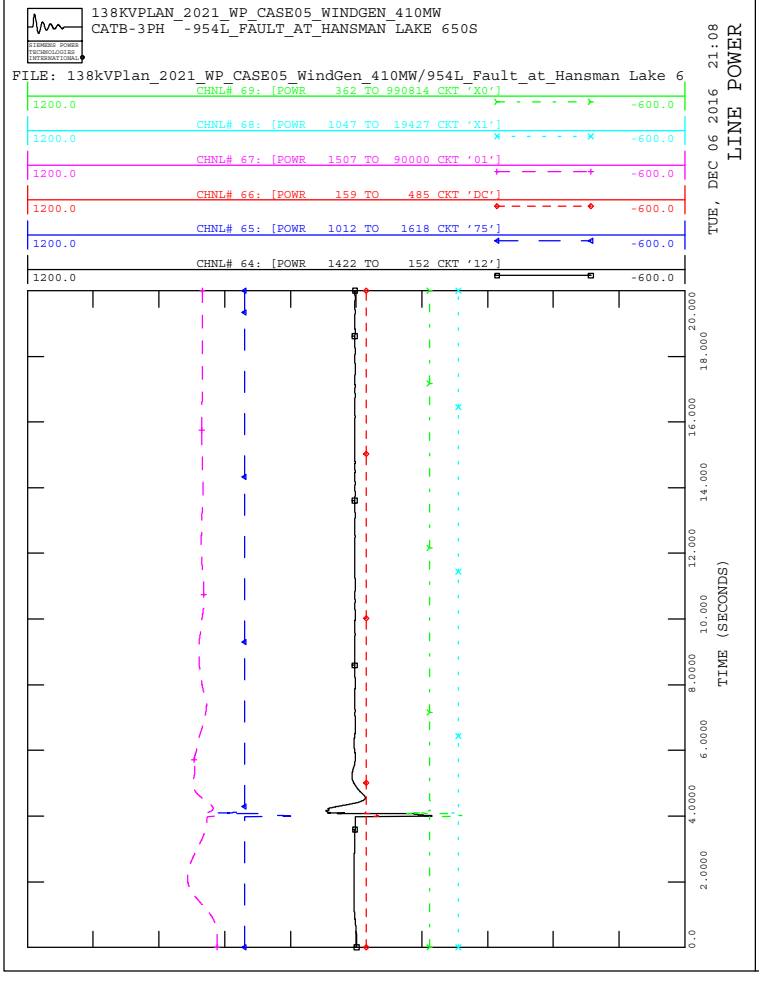
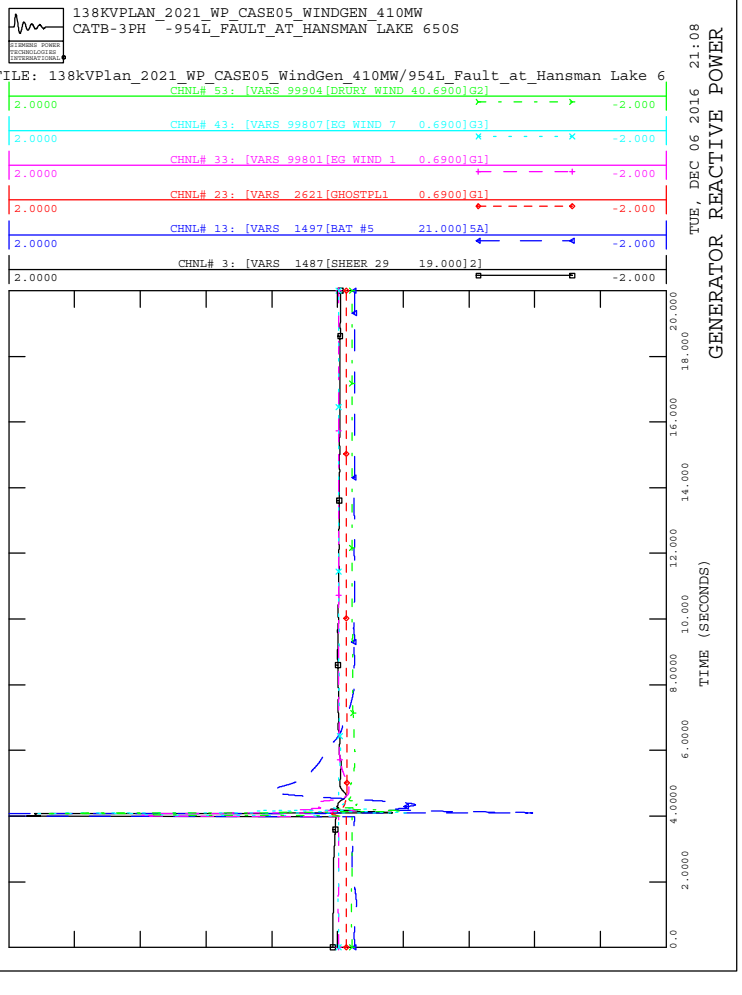
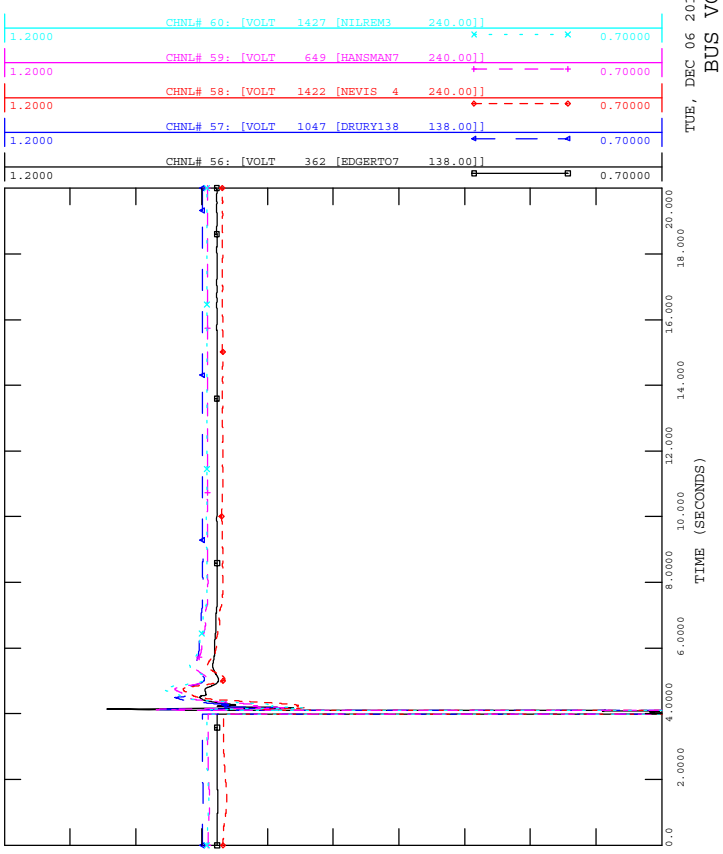
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

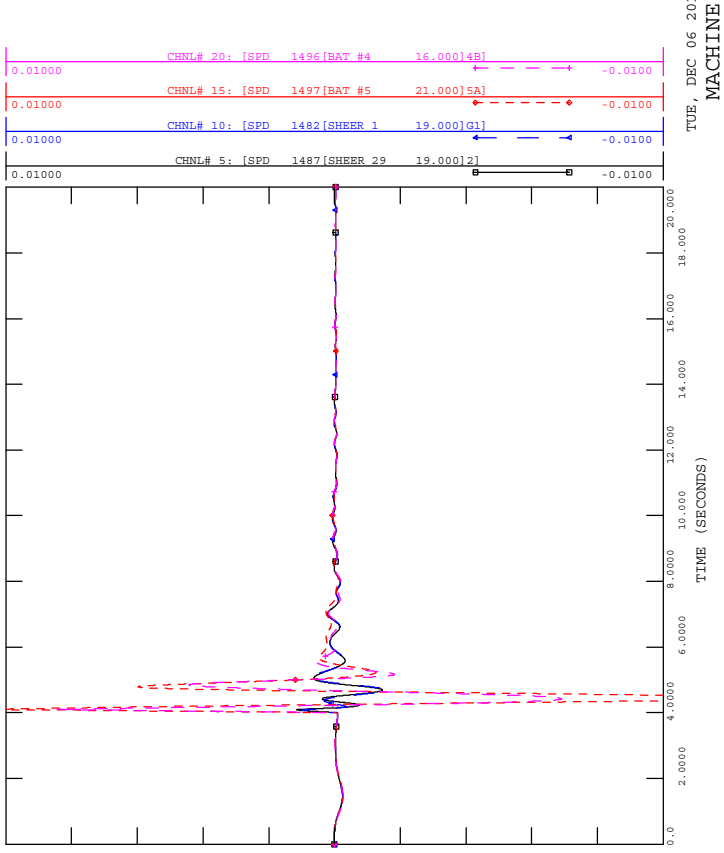
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972



TUE, DEC 06 2016 21:08
BUS VOLTAGE

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

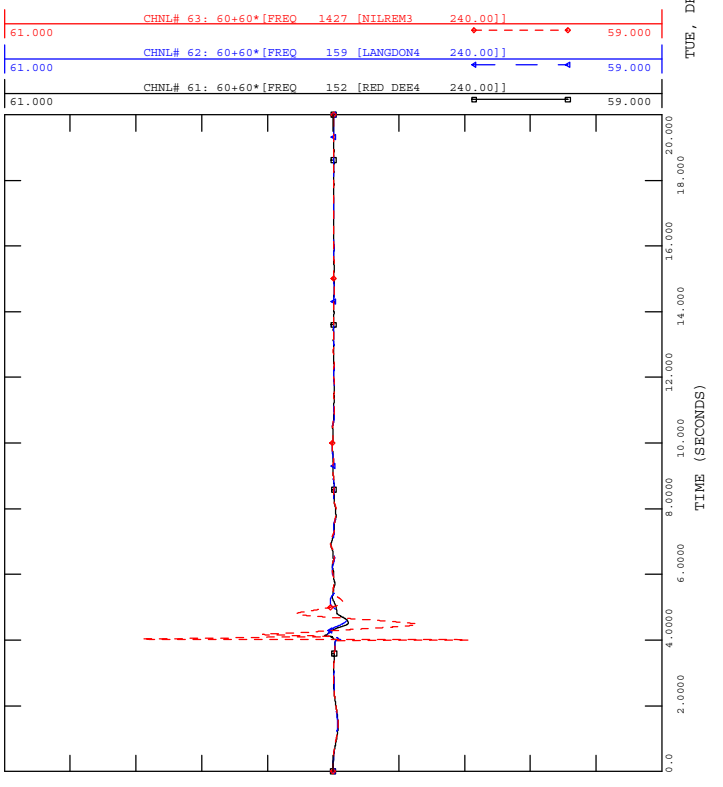
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972



TUE, DEC 06 2016 21:08
MACHINE SPEED

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

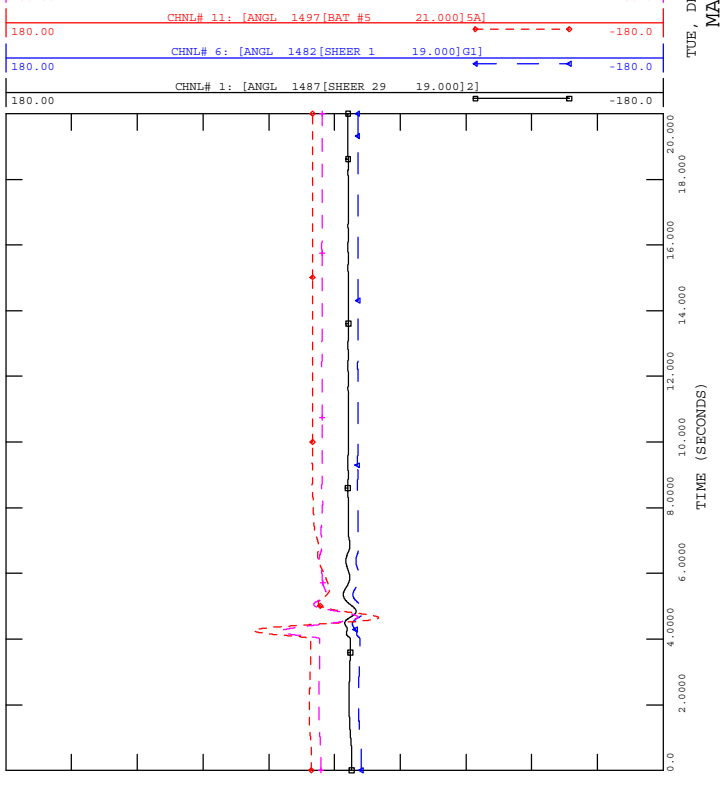
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972



TUE, DEC 06 2016 21:08
FREQUENCY

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972



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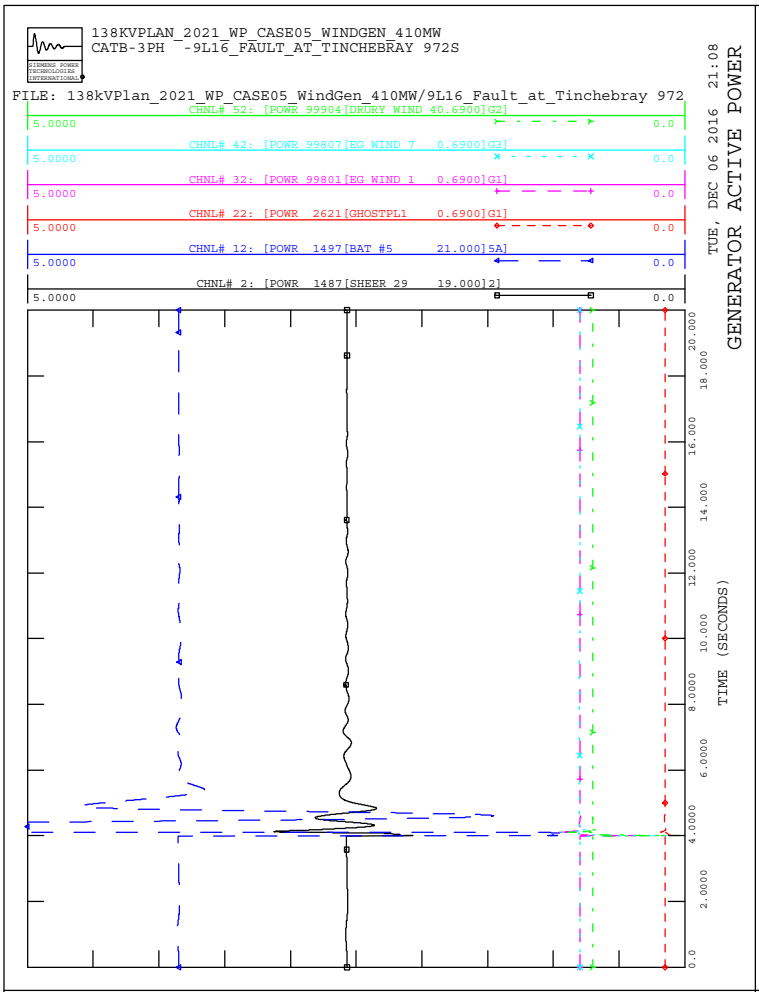
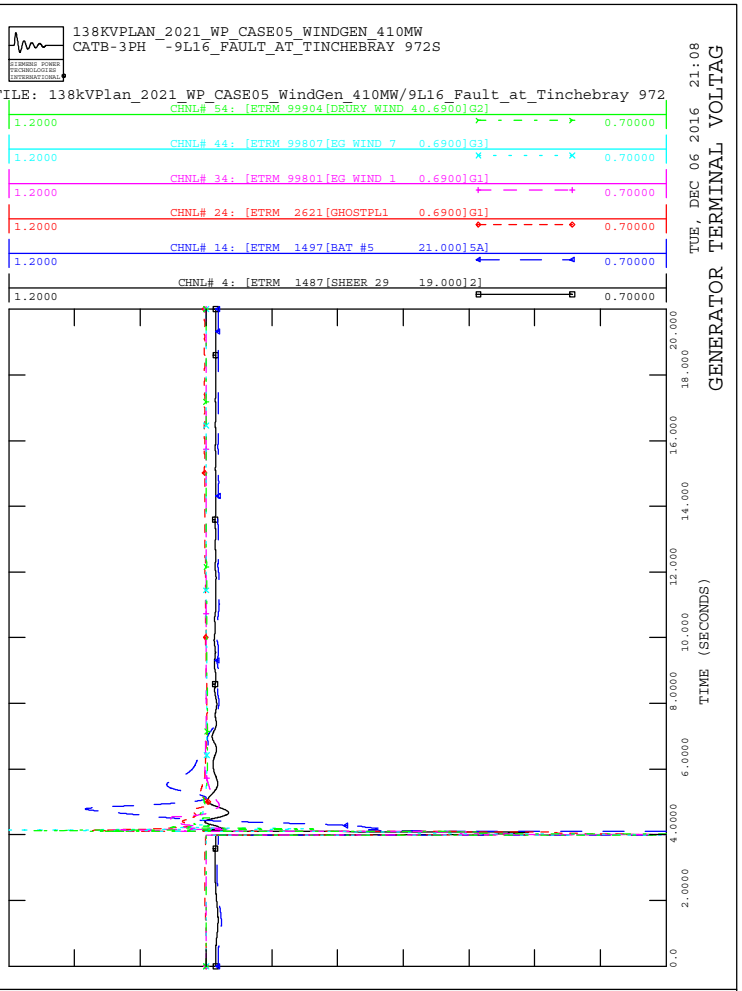
MACHINE ANGLE


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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8.0000
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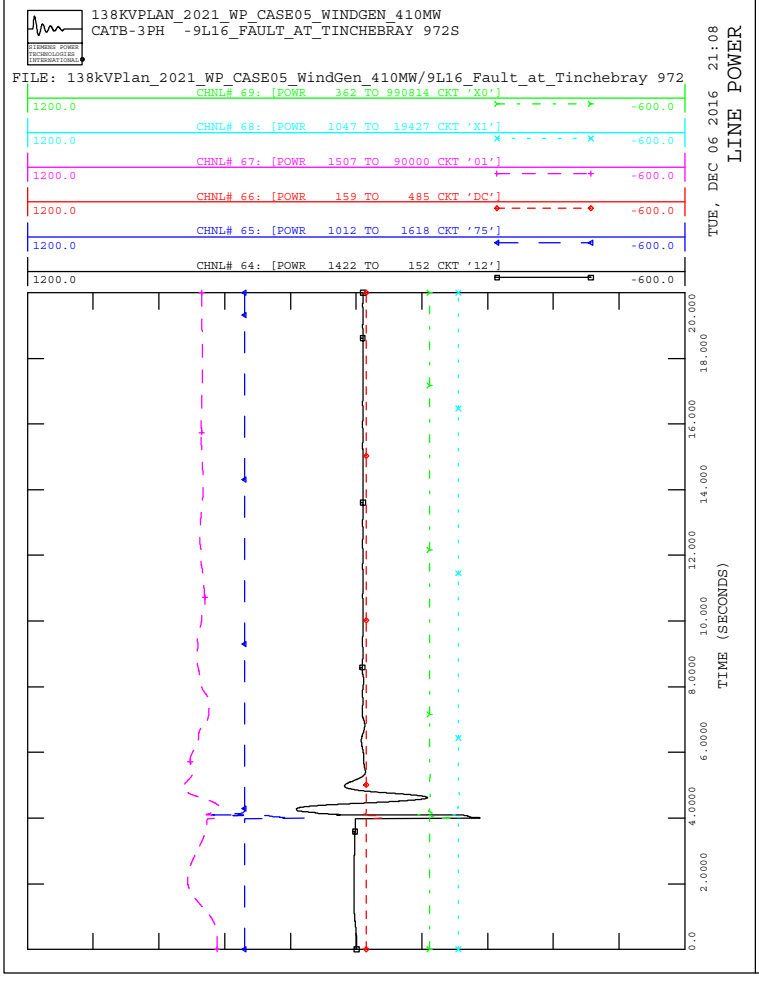
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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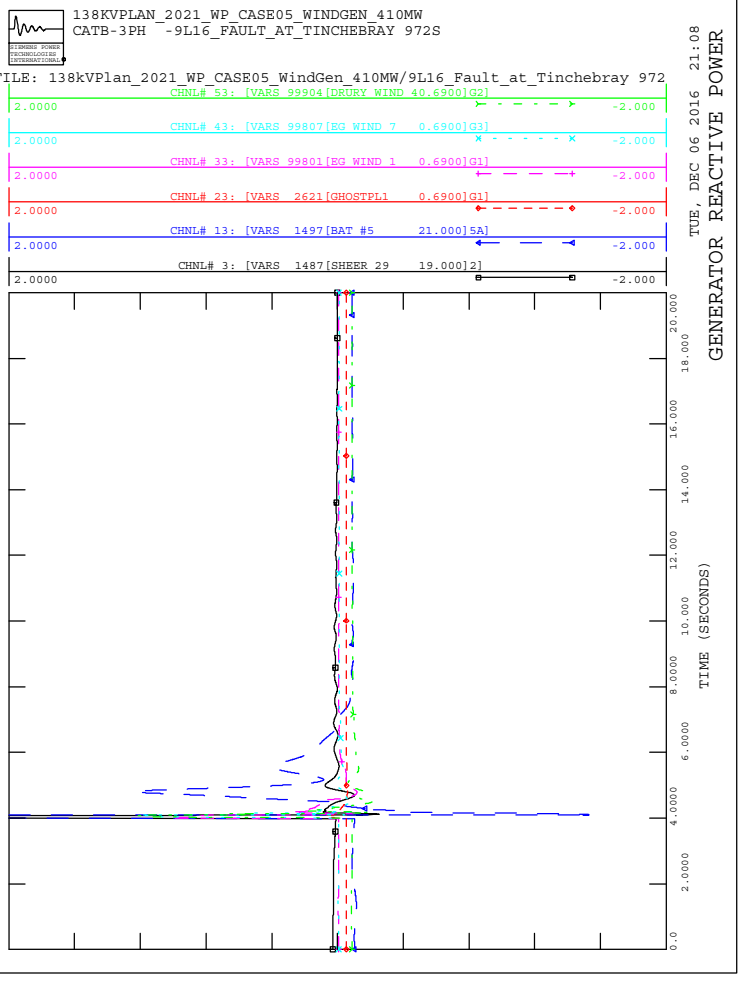
20.000

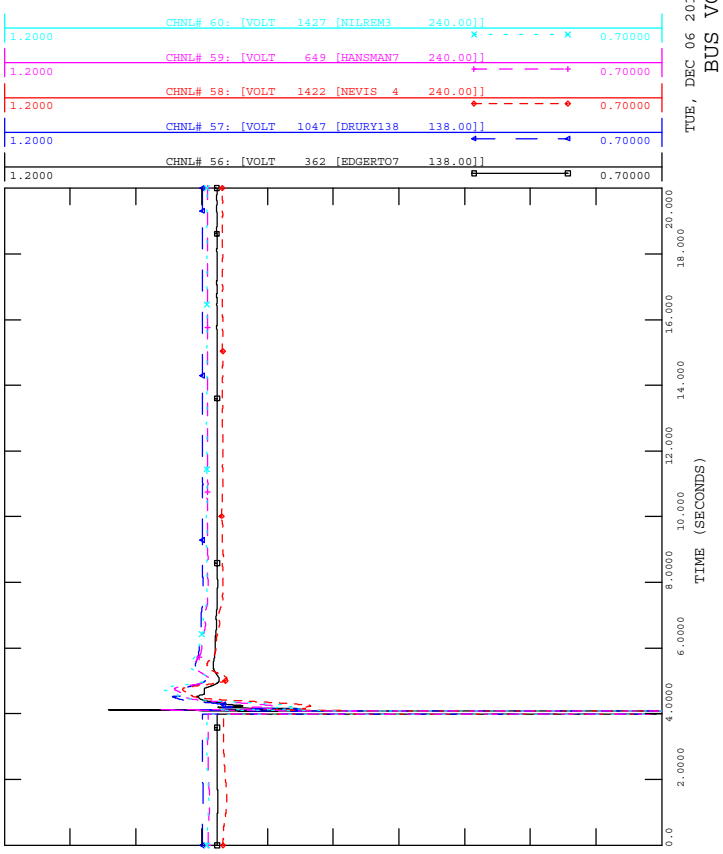

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

BUS VOLTAGE

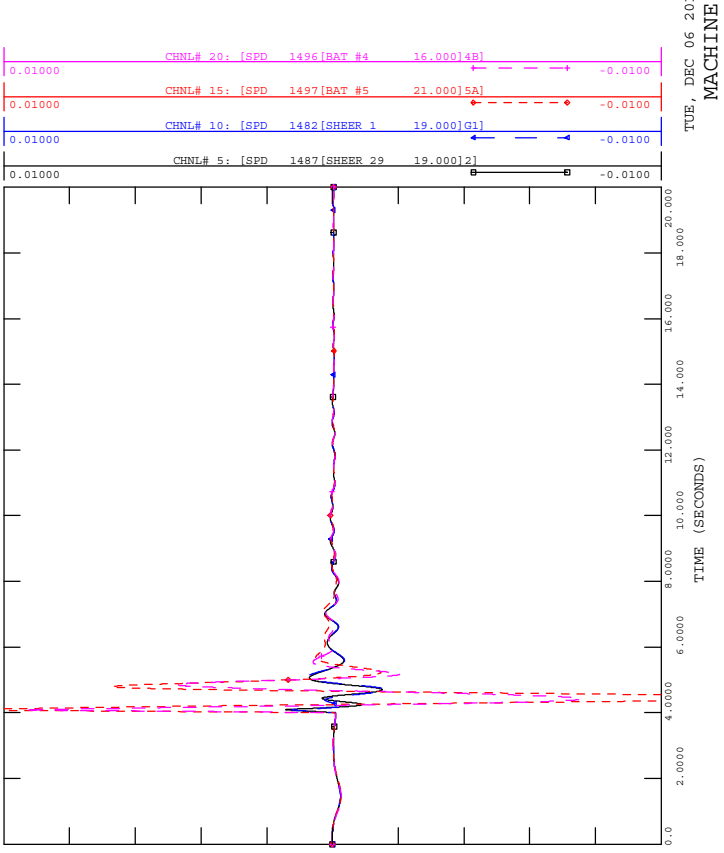


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

MACHINE SPEED

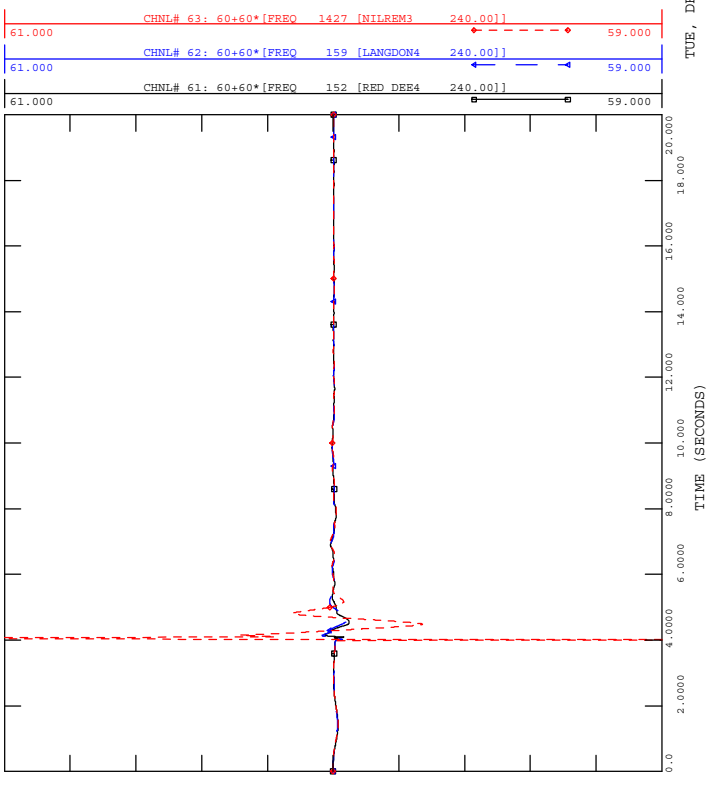


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

FREQUENCY

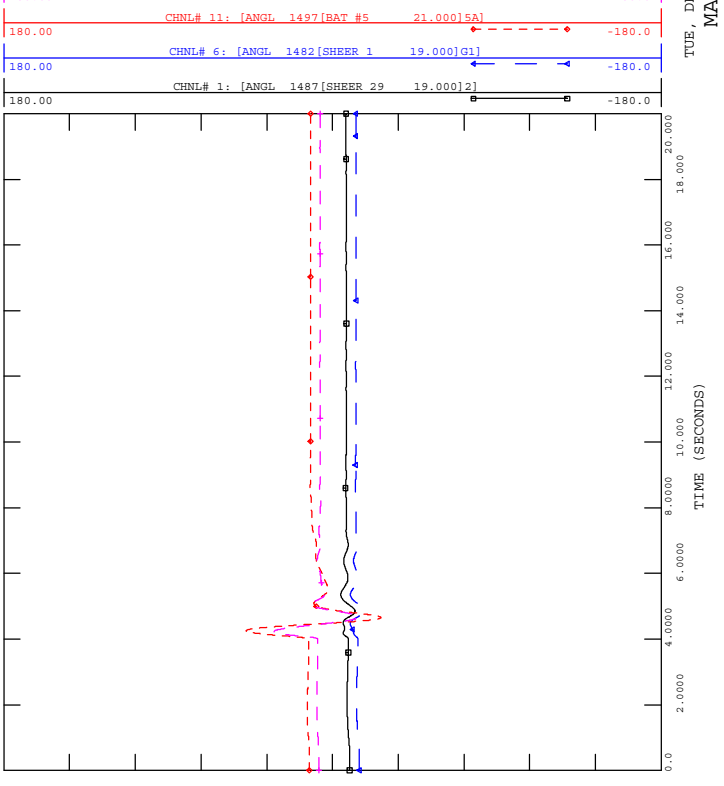


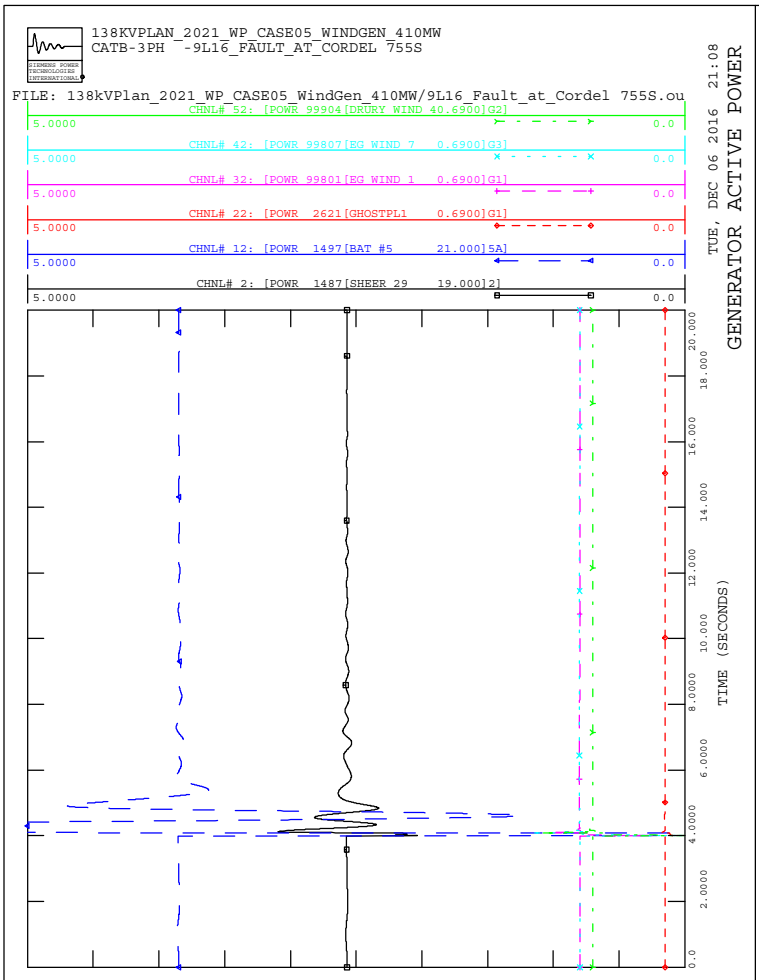
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

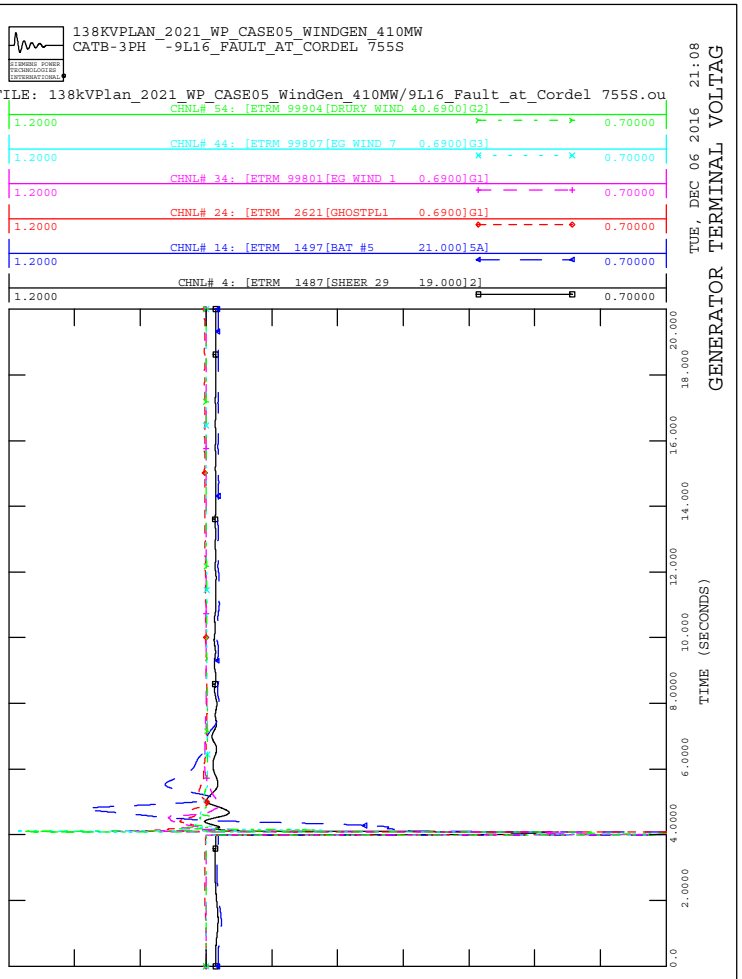
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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12.000
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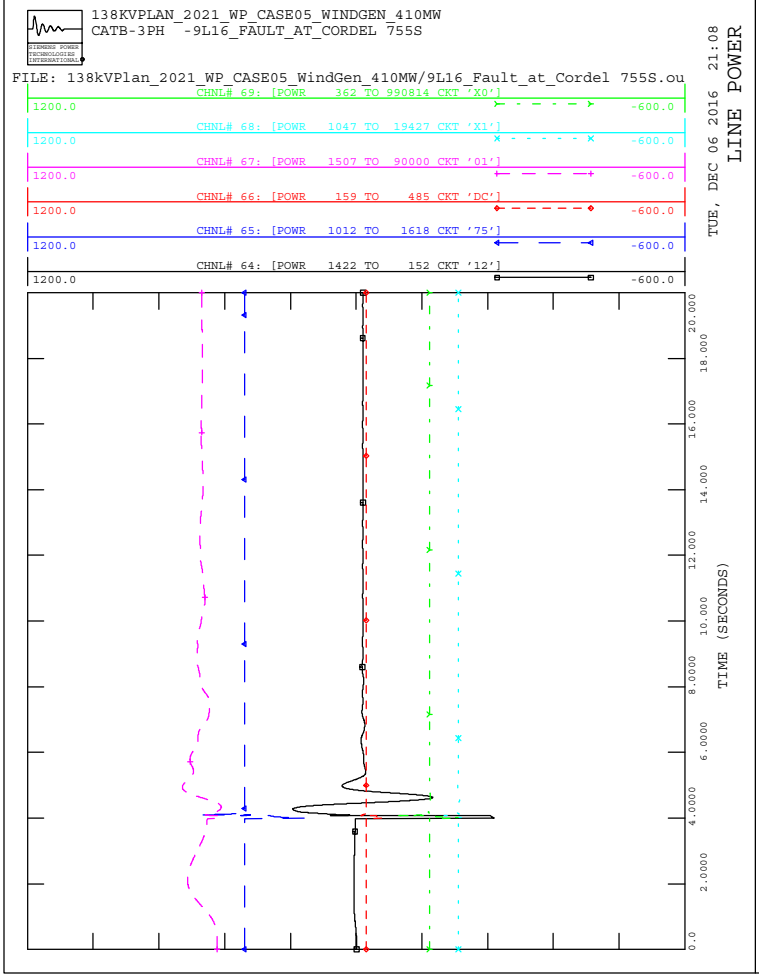
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
10.000
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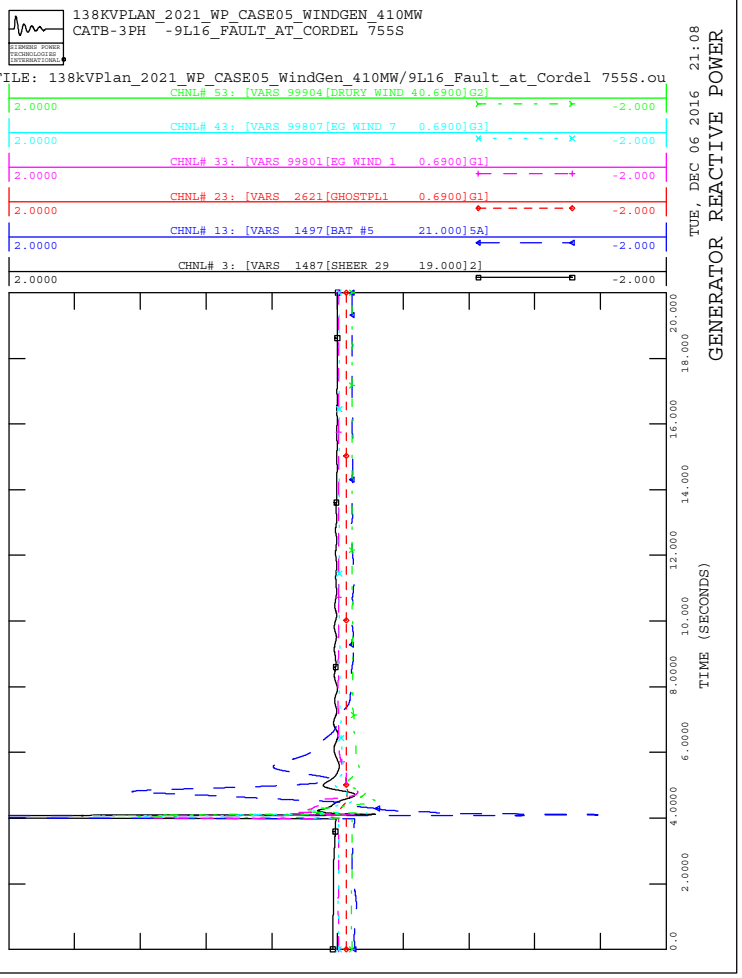
18.000
20.000

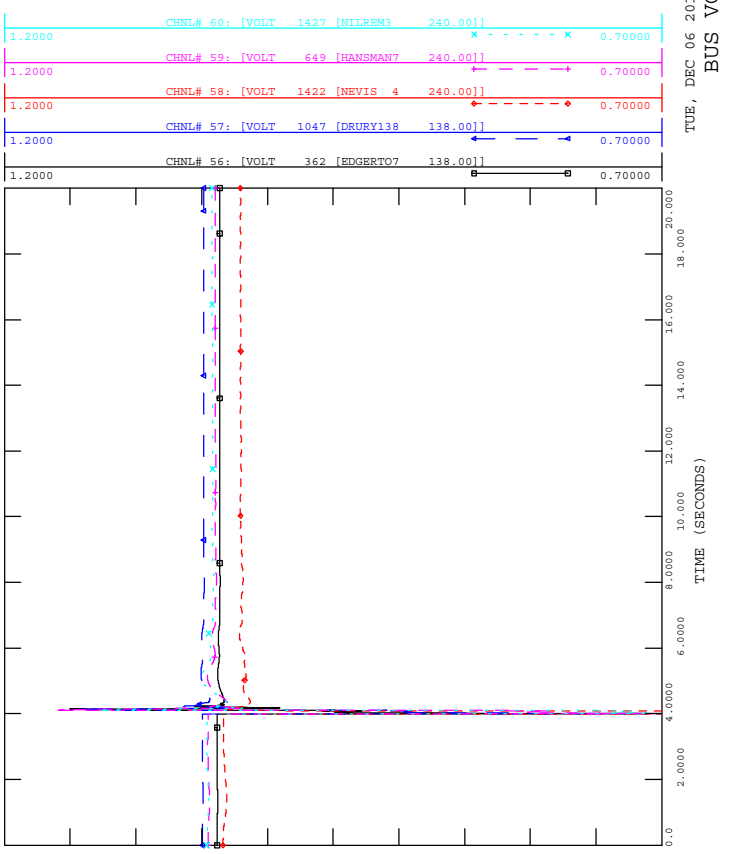

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:08

BUS VOLTAGE

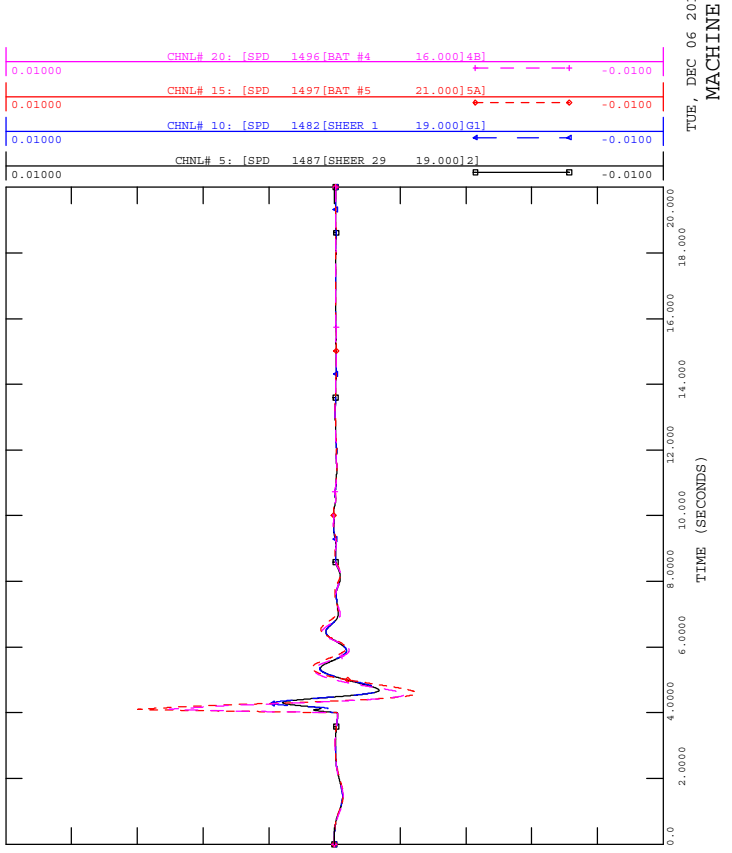


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:08

MACHINE SPEED

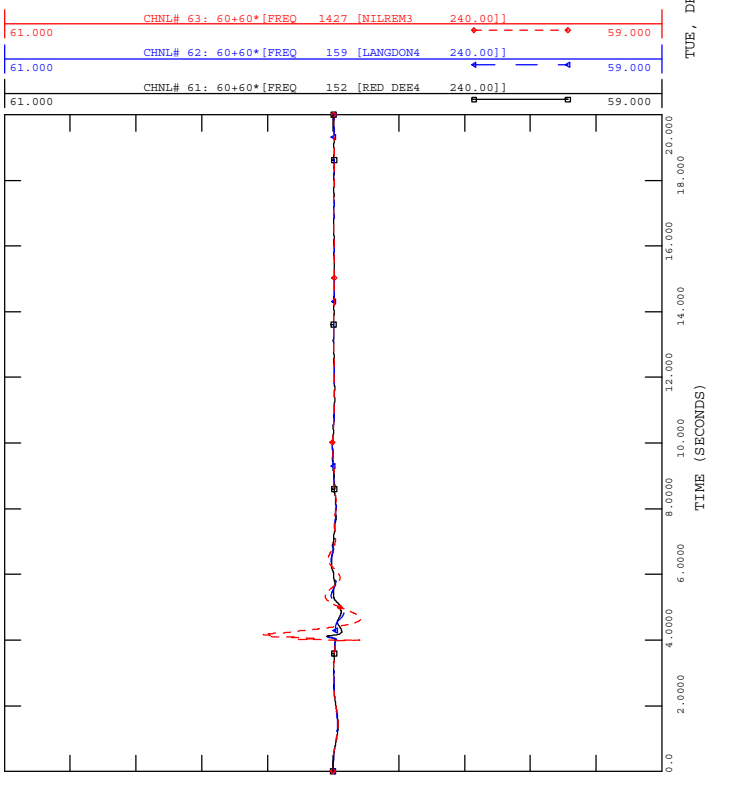


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:08

FREQUENCY

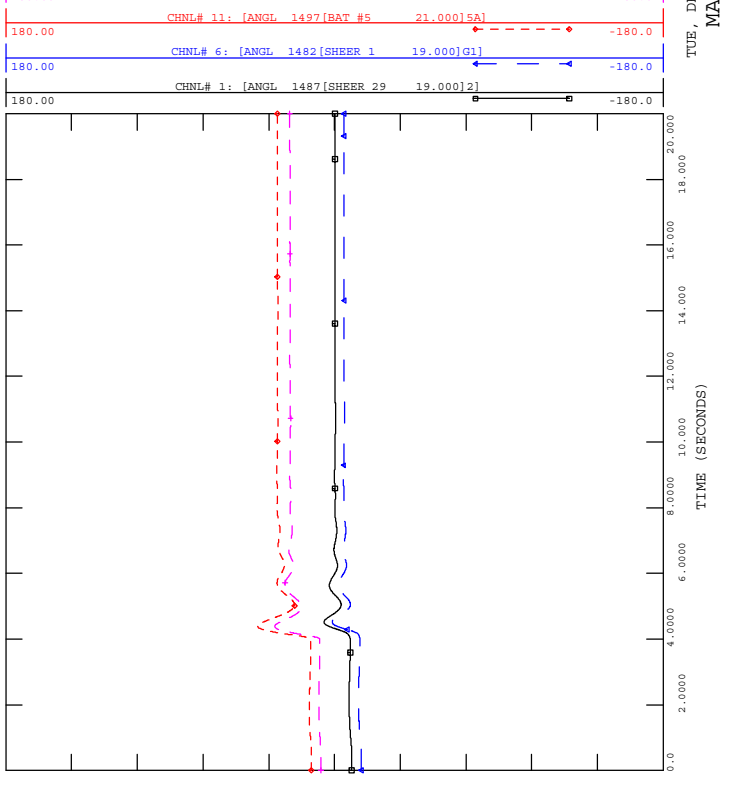


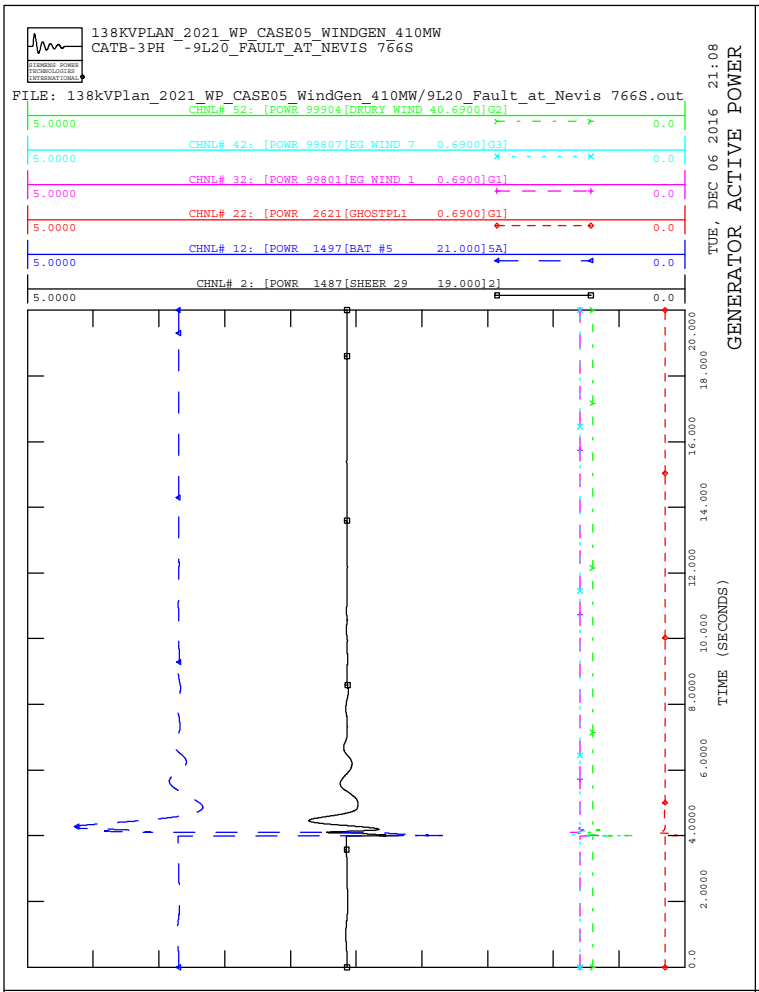
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

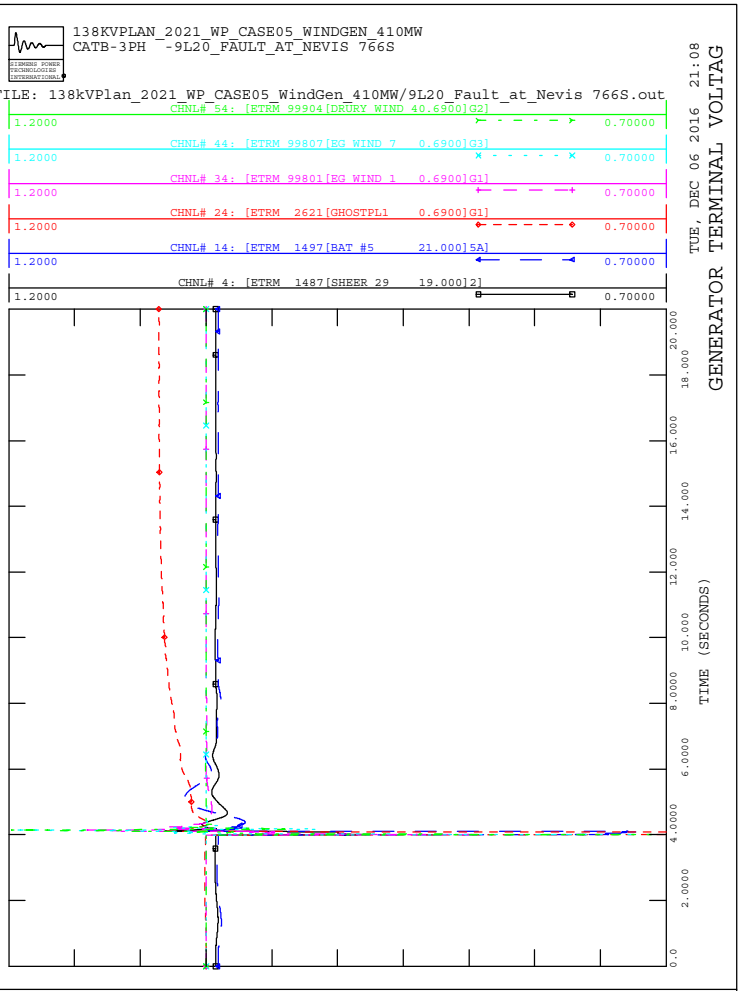
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

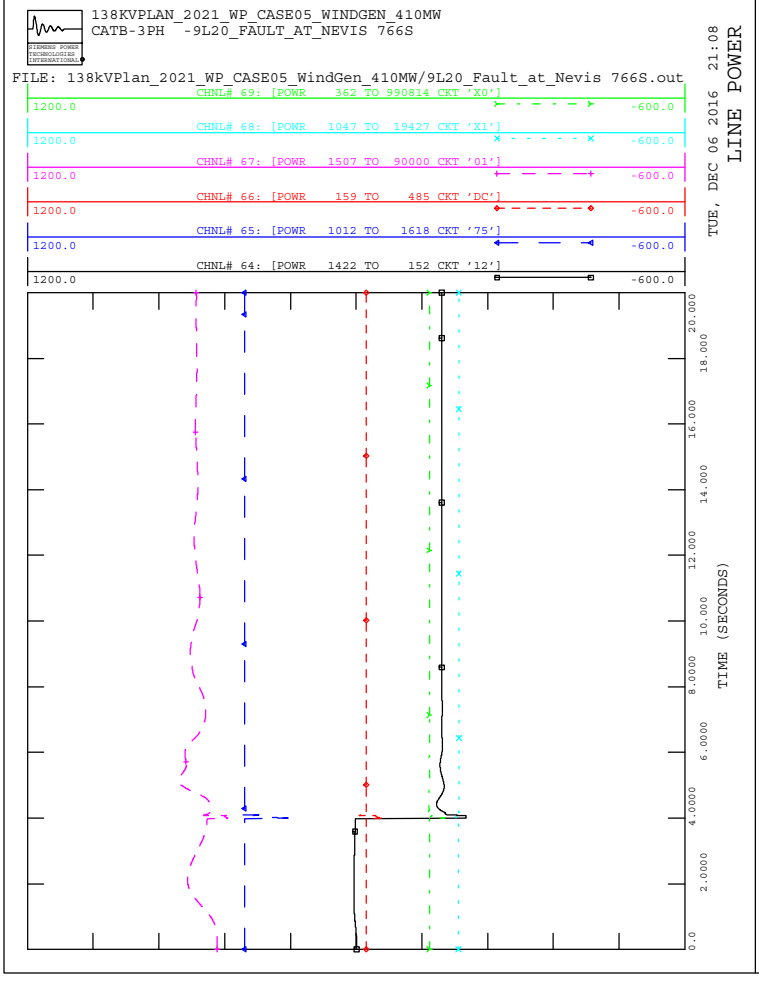
TUE, DEC 06 2016 21:08

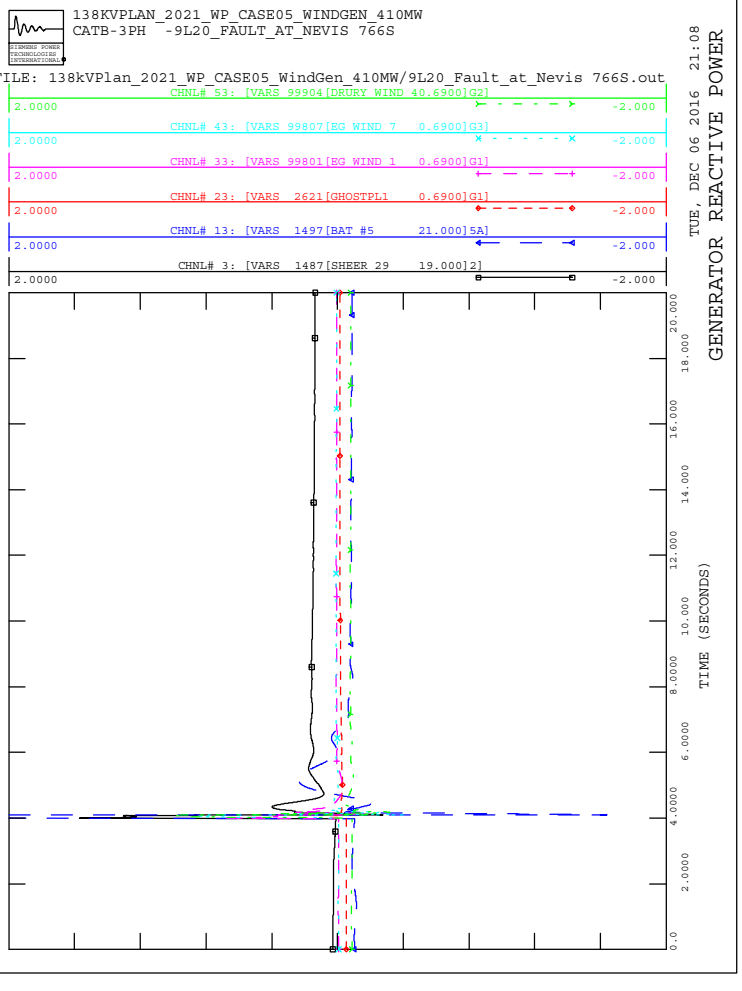
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

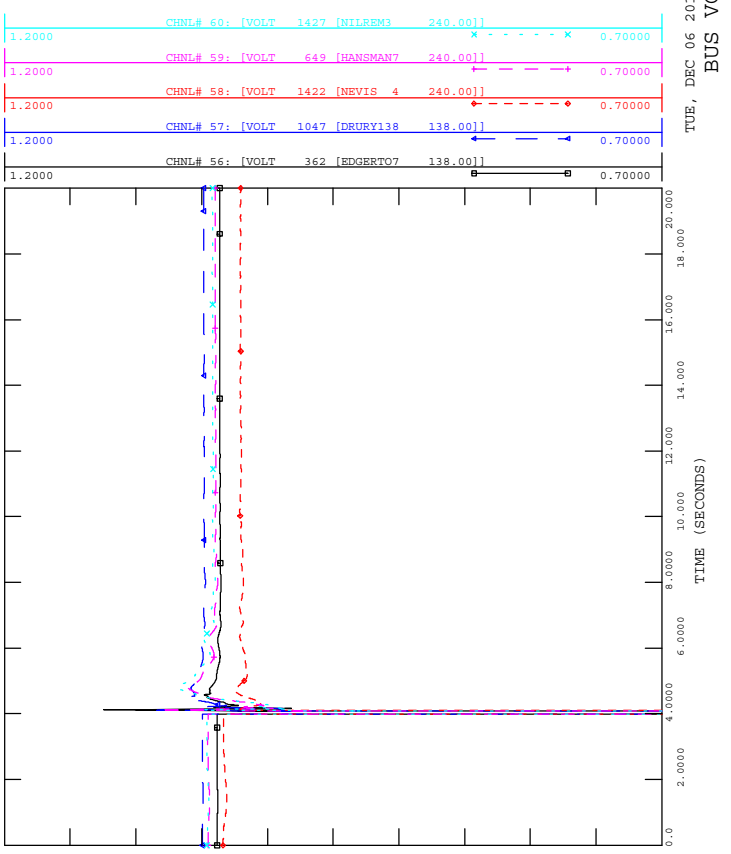

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

BUS VOLTAGE

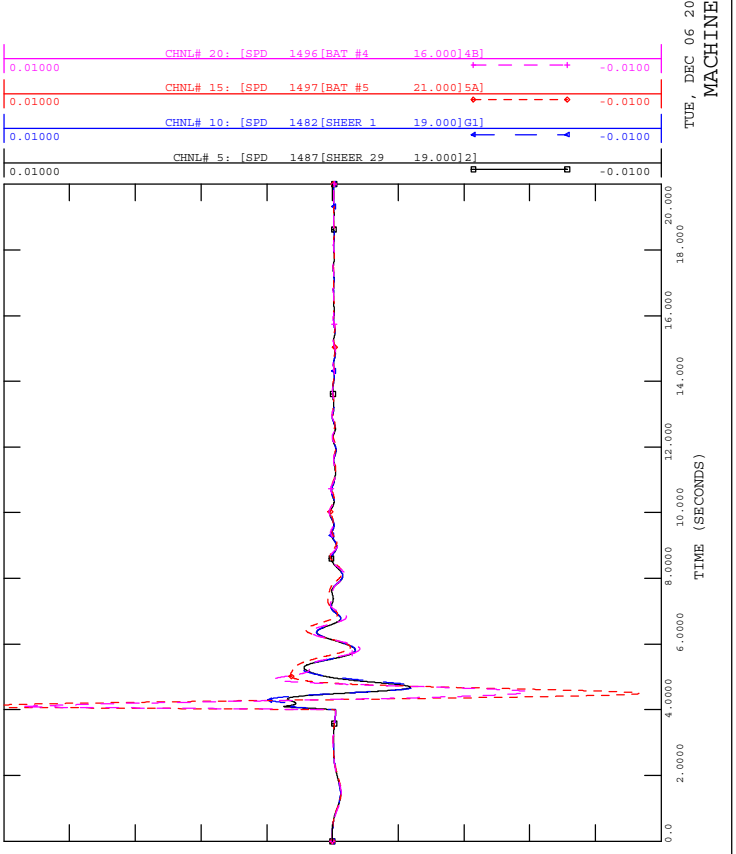


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

MACHINE SPEED

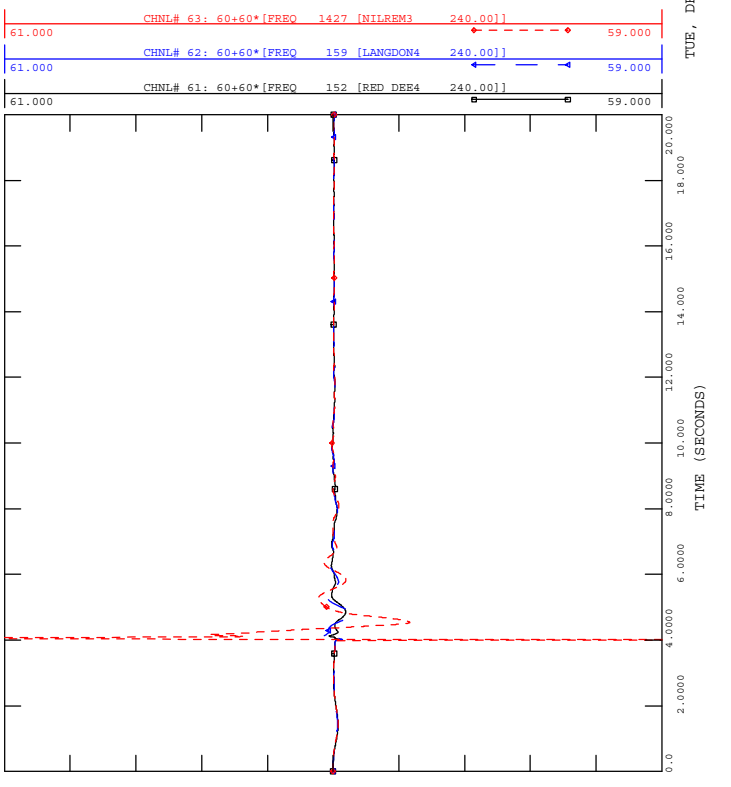


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

FREQUENCY

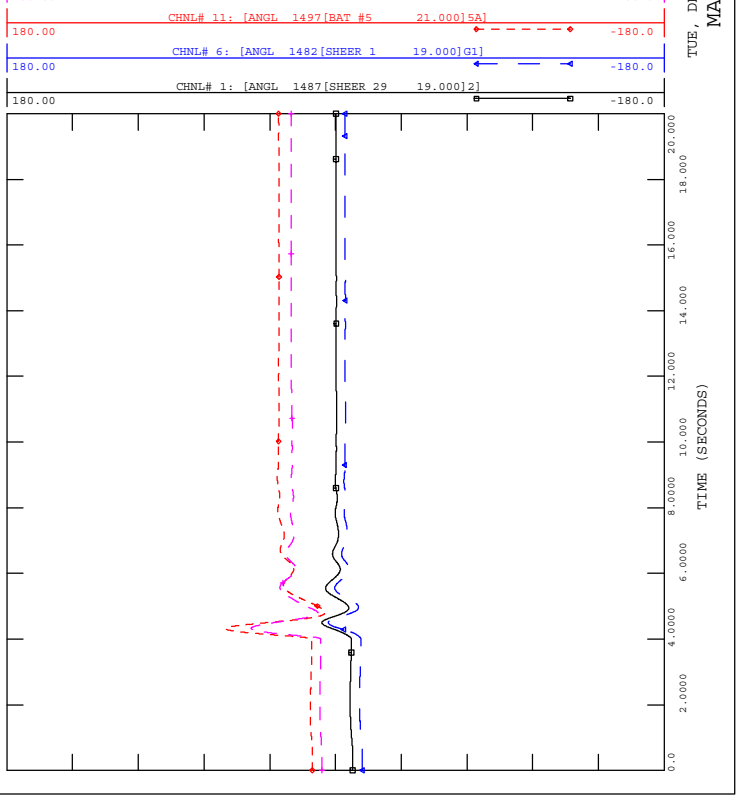


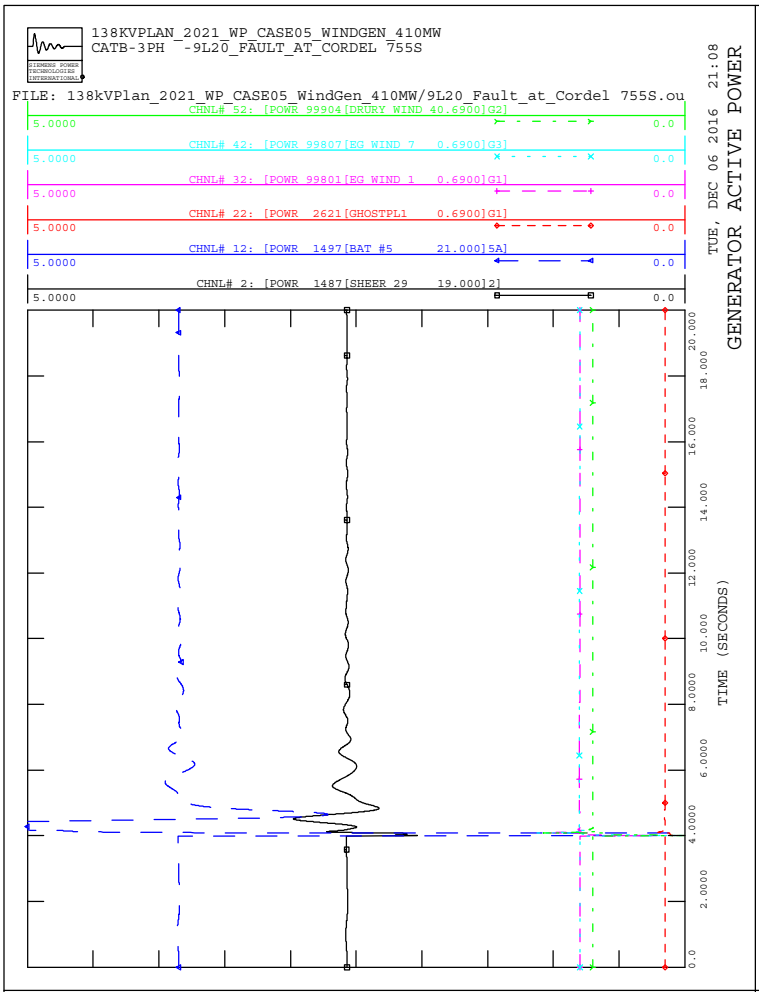
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

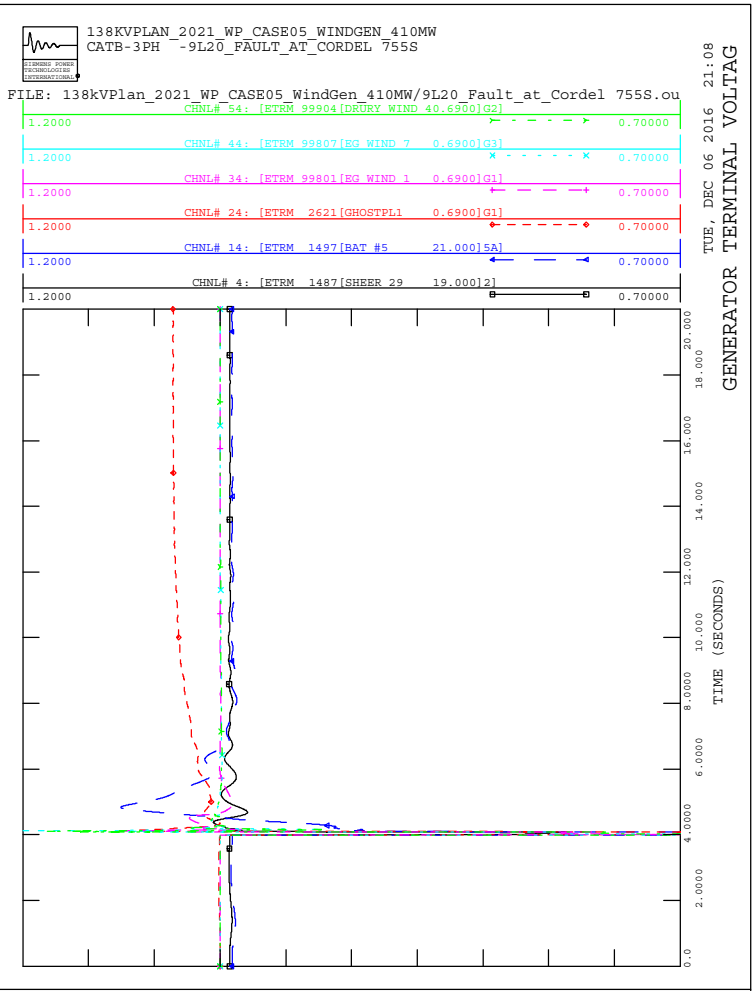
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

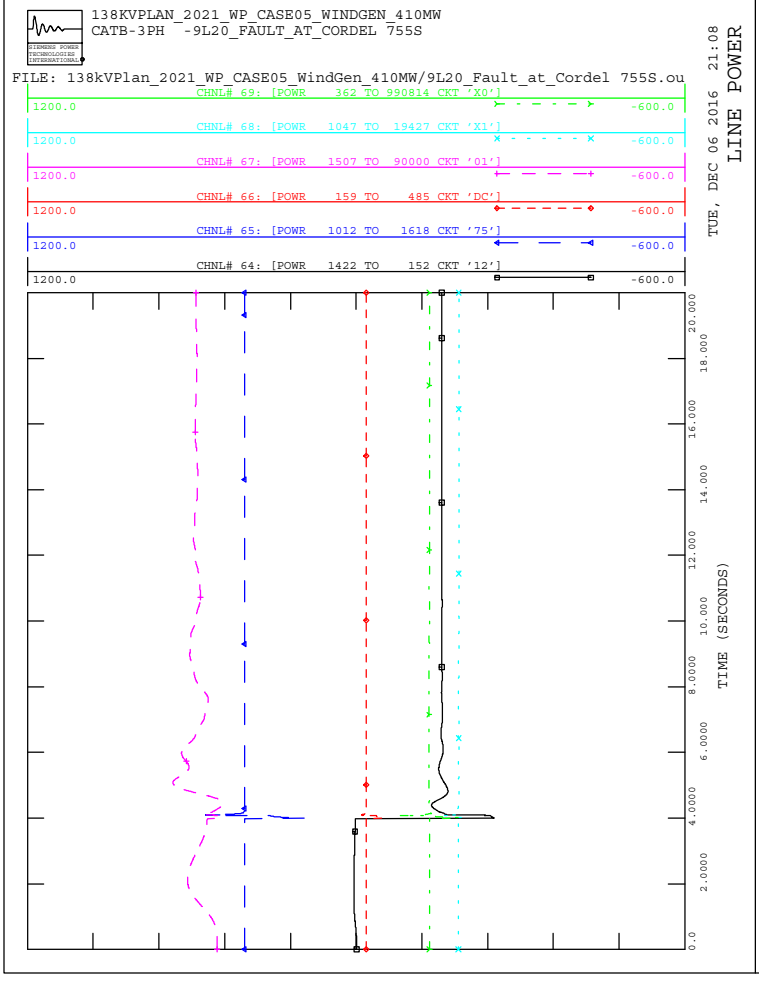
TUE, DEC 06 2016 21:08

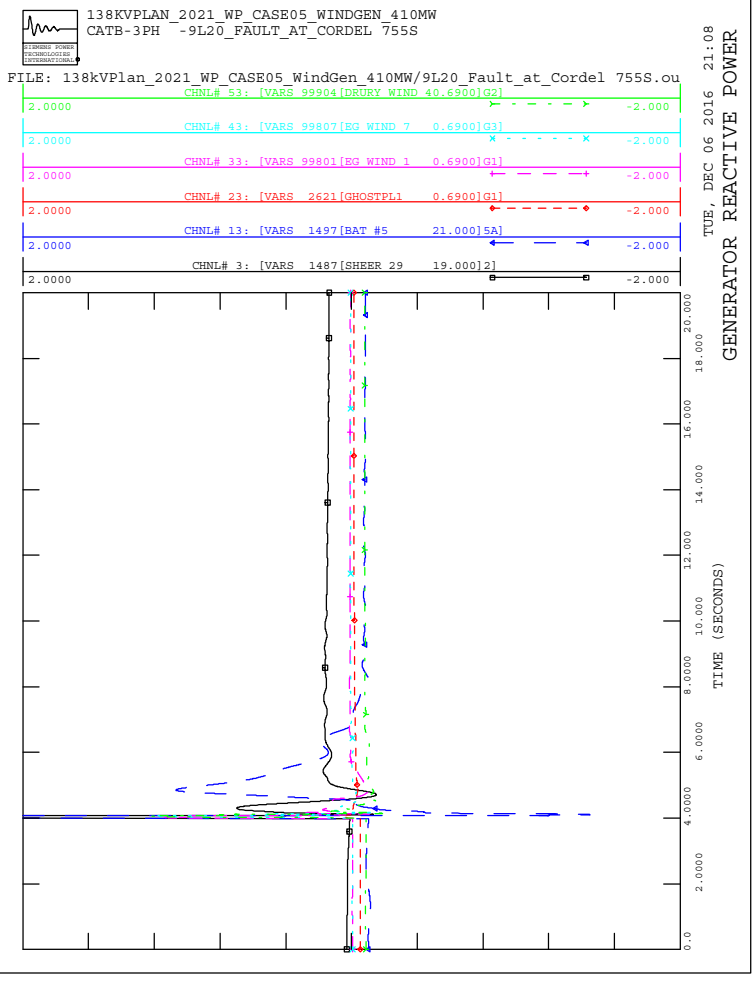
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:08
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)

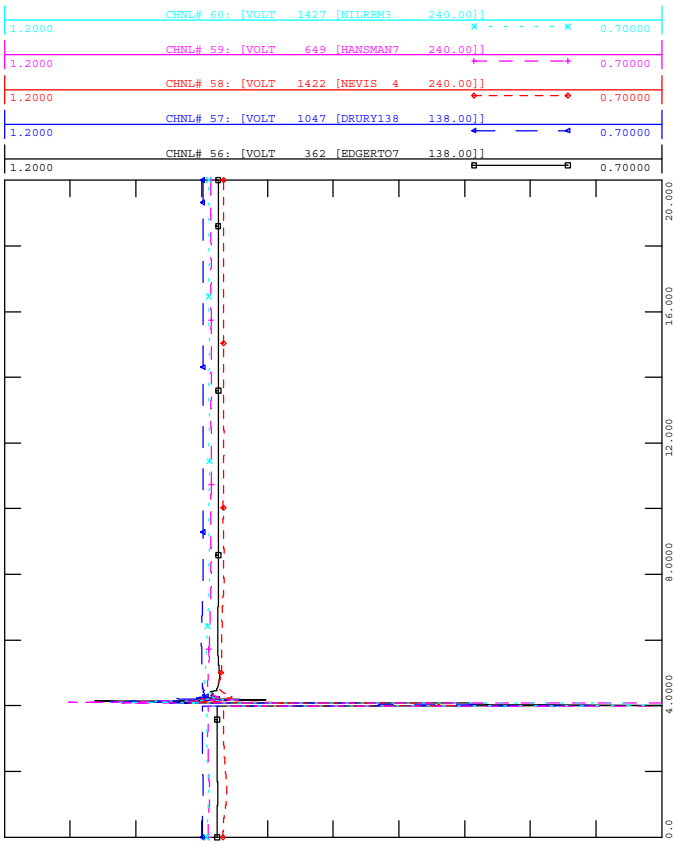

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:08

BUS VOLTAGE

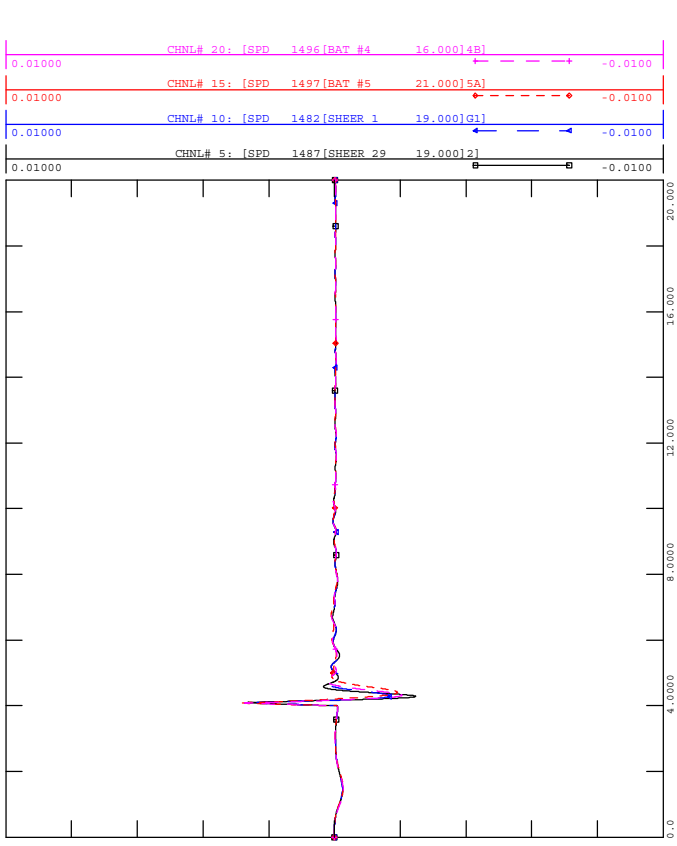


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:08

MACHINE SPEED

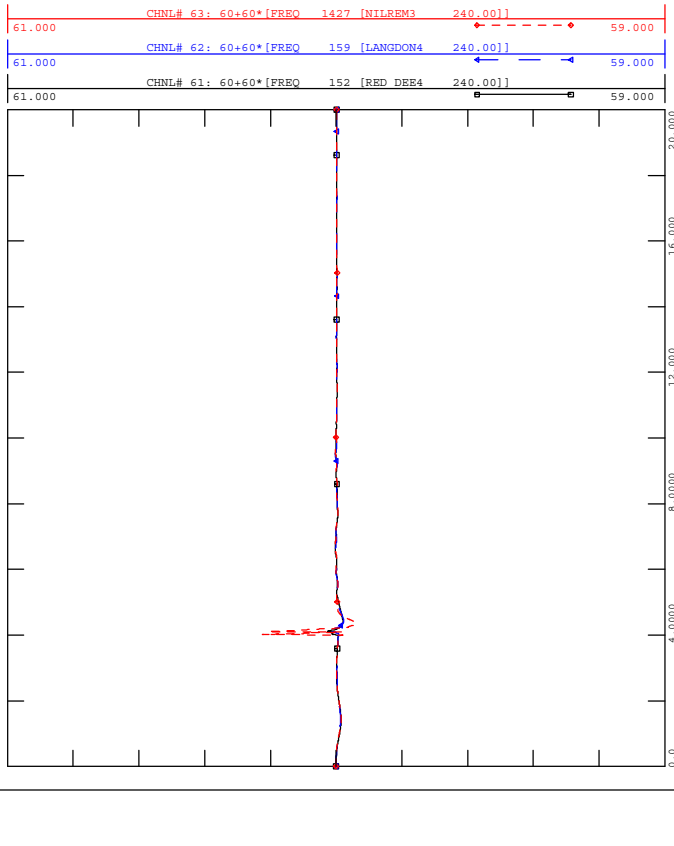


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:08

FREQUENCY

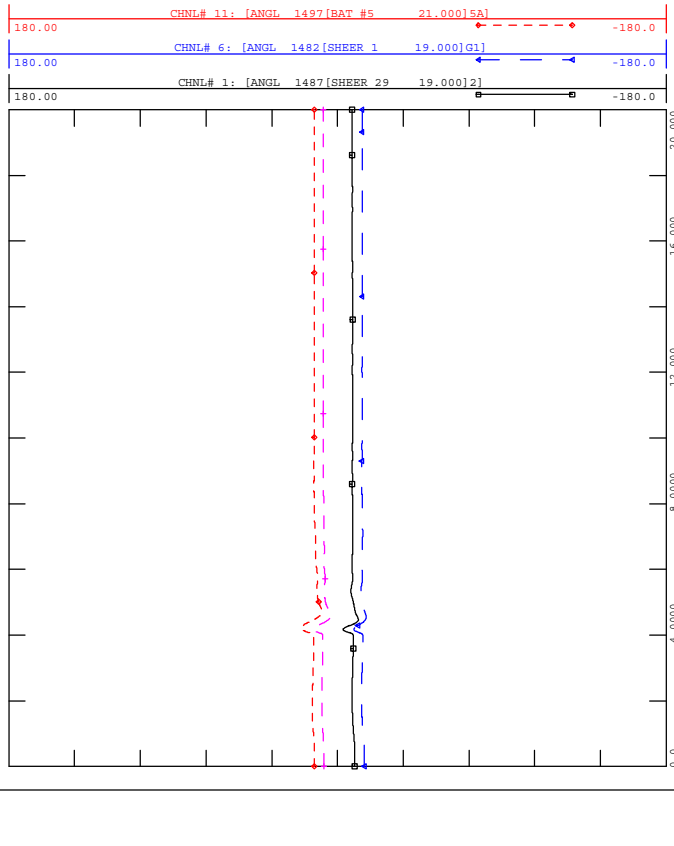


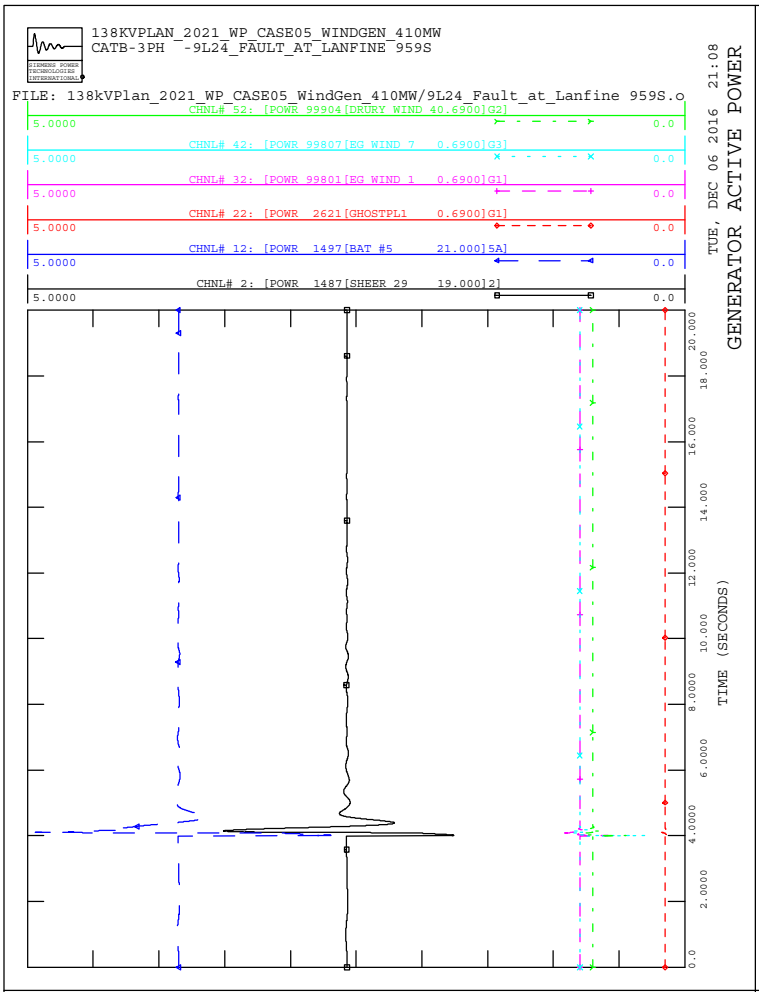
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

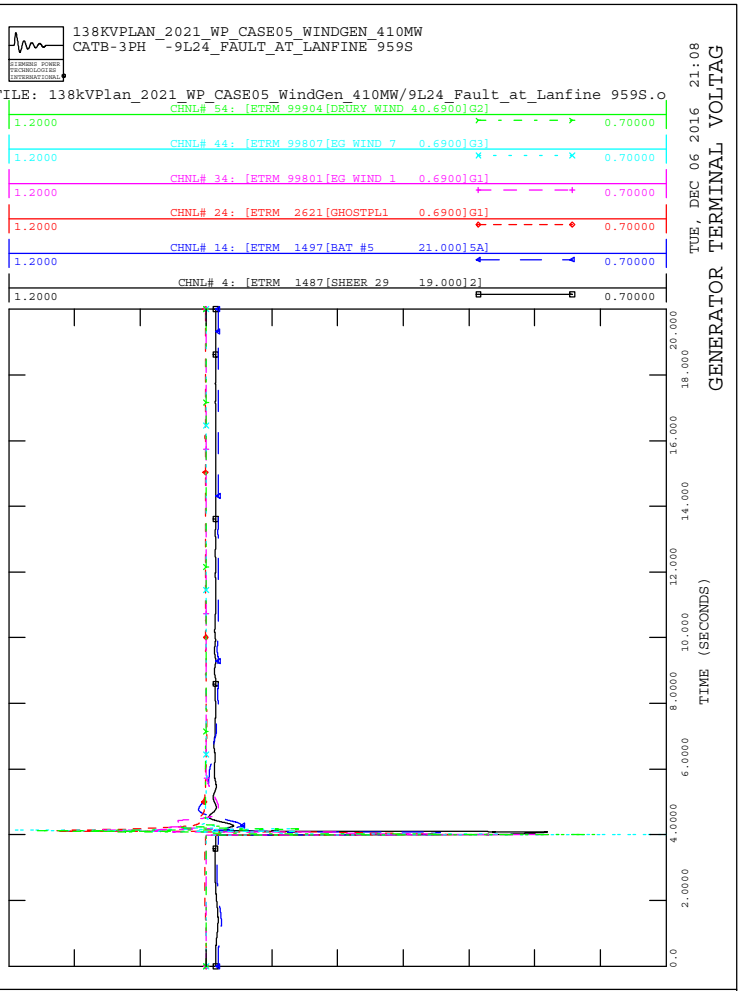
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o

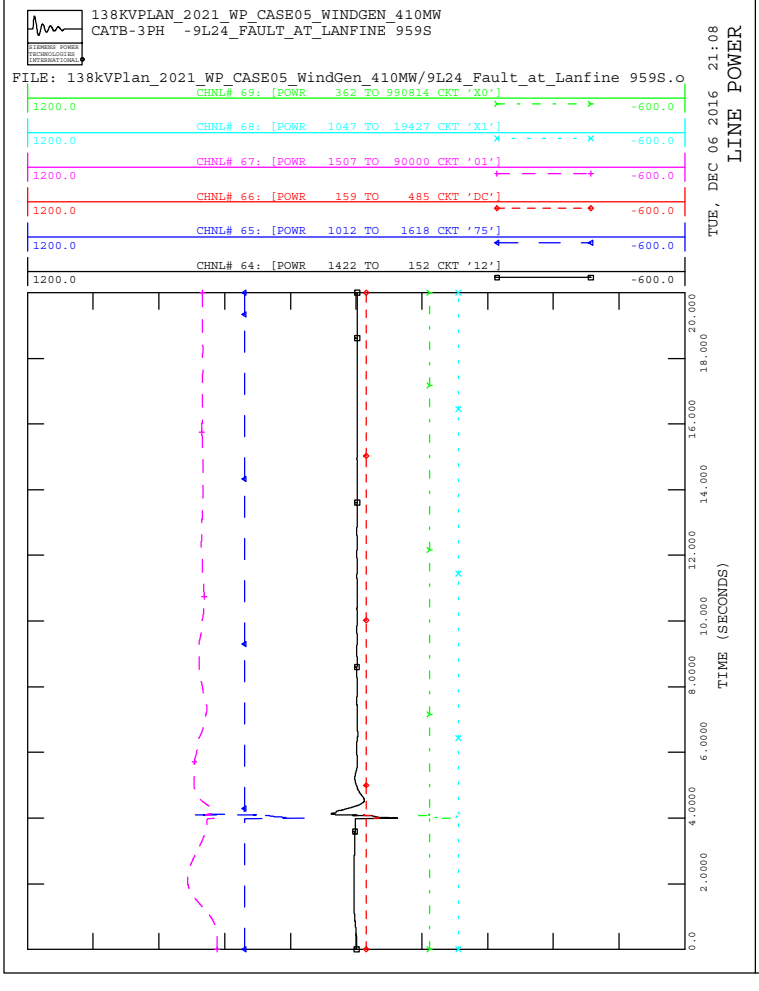
TUE, DEC 06 2016 21:08

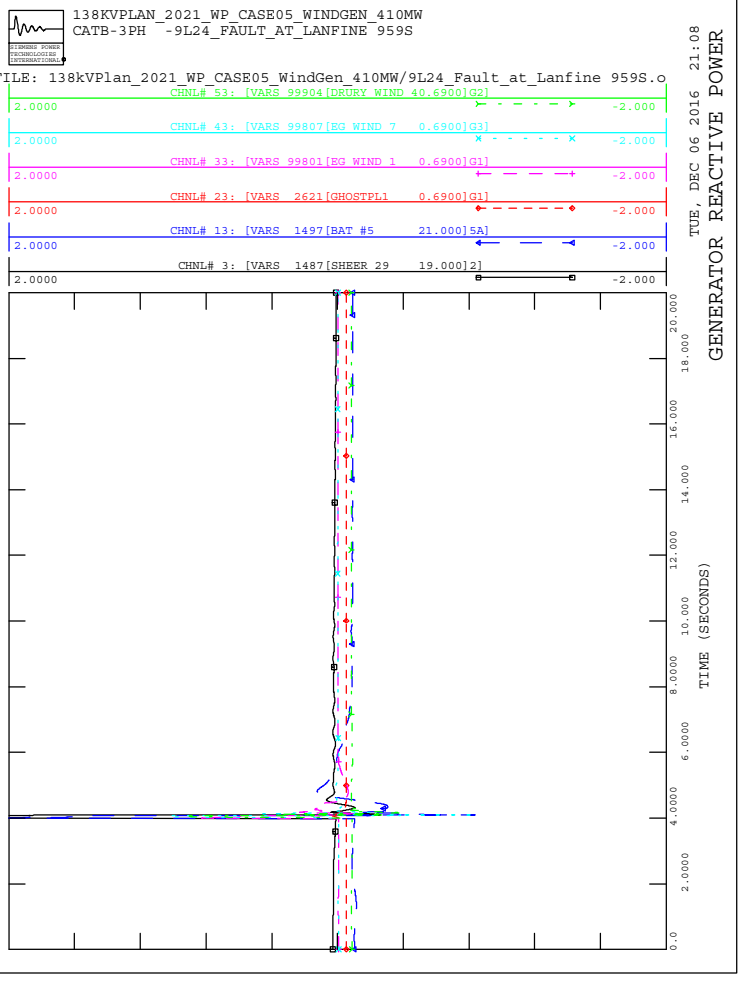
MACHINE ANGLE

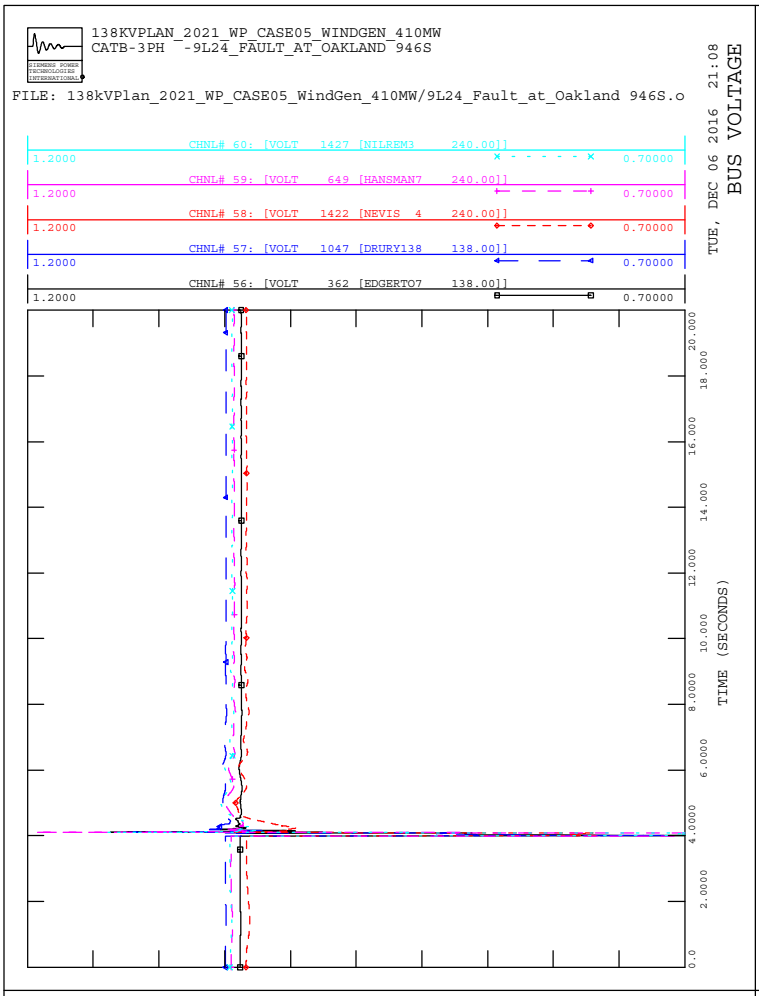



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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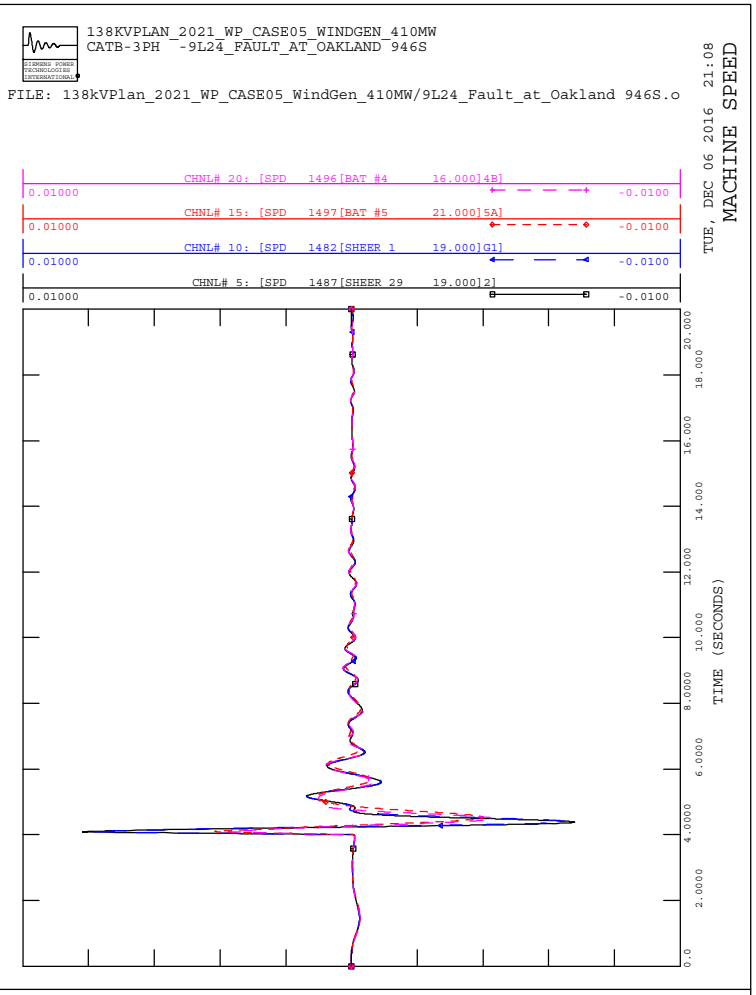
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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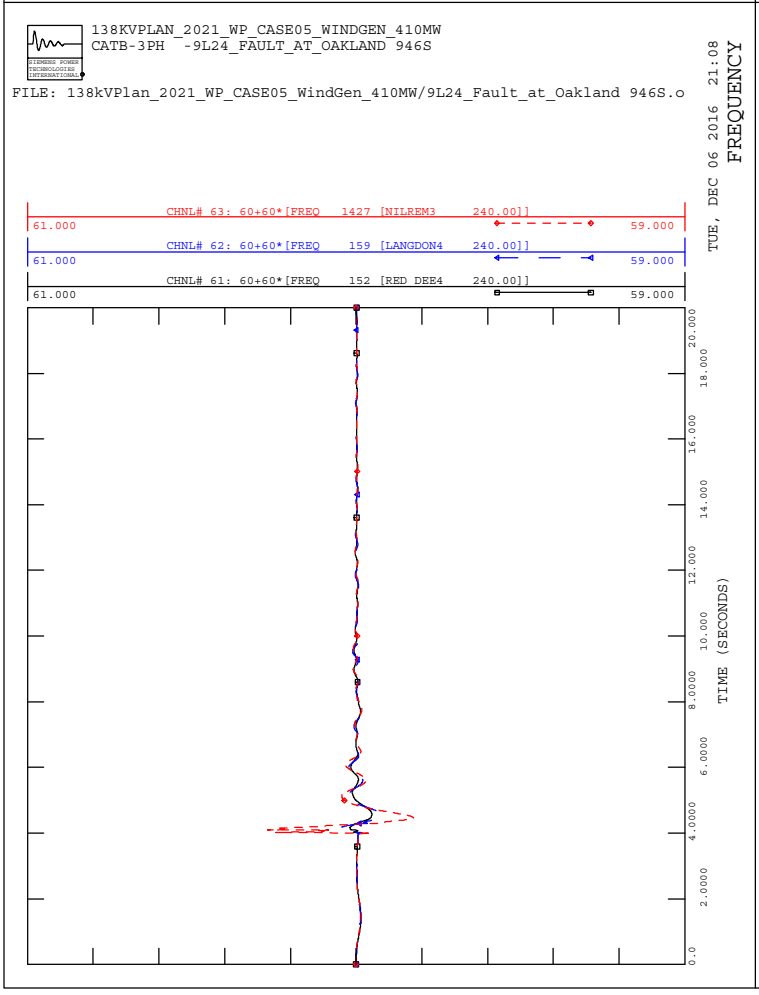
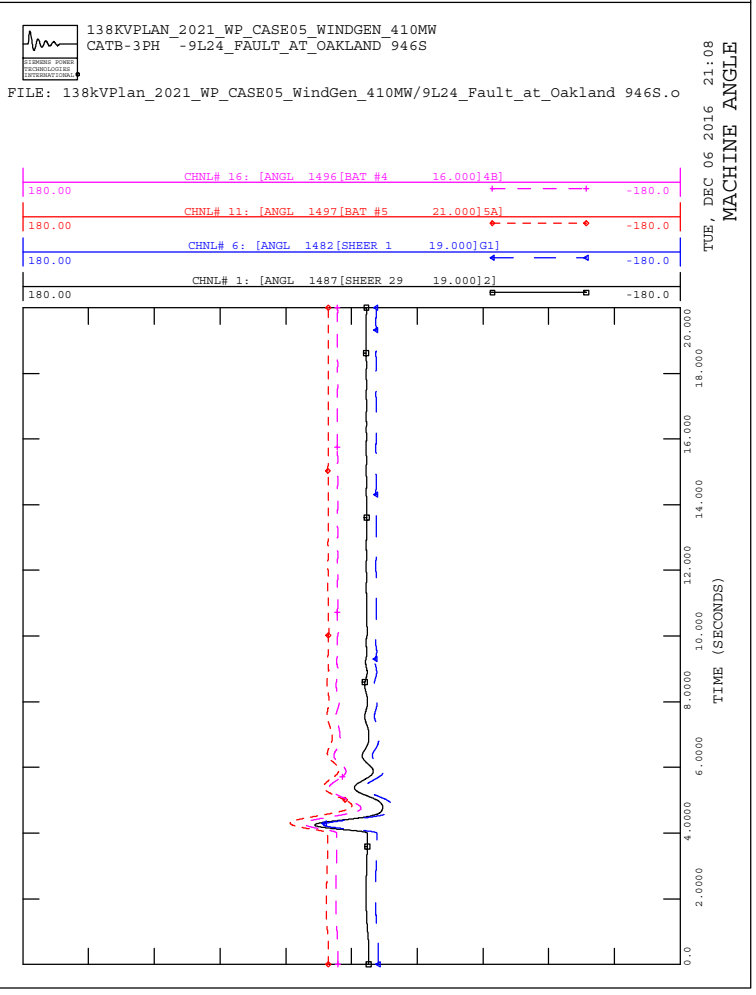
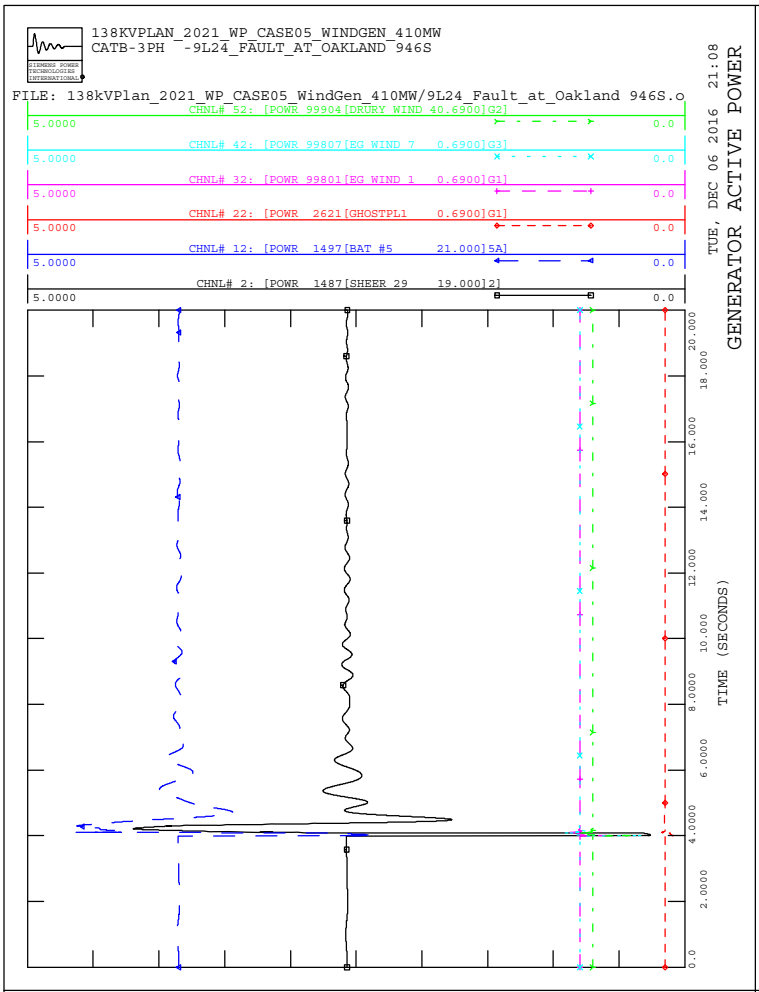
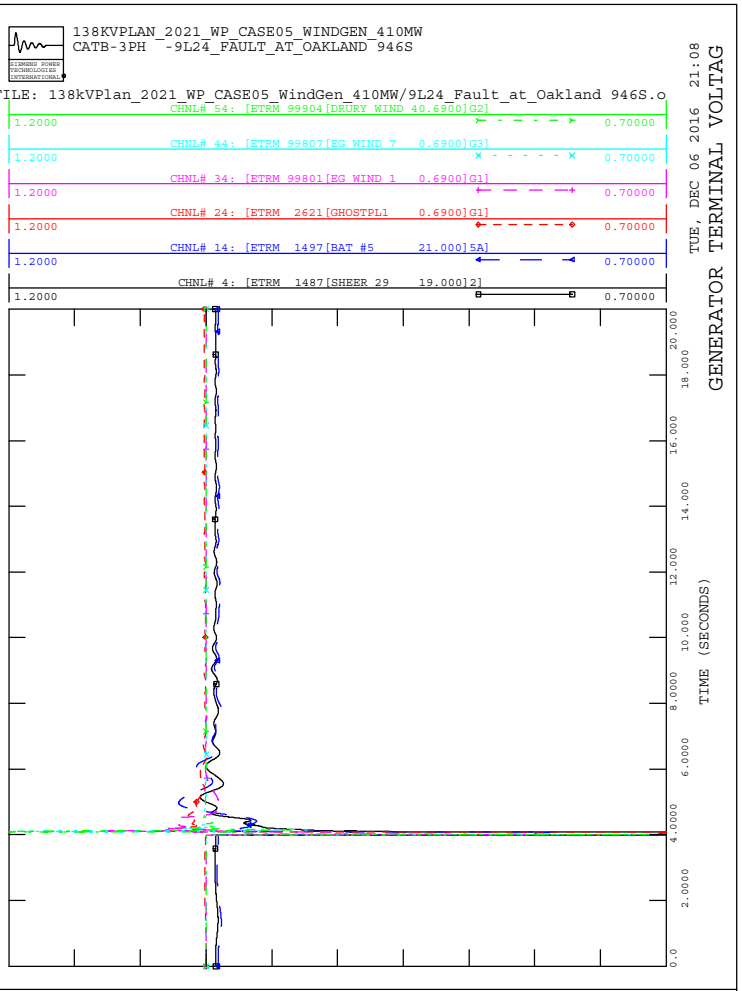
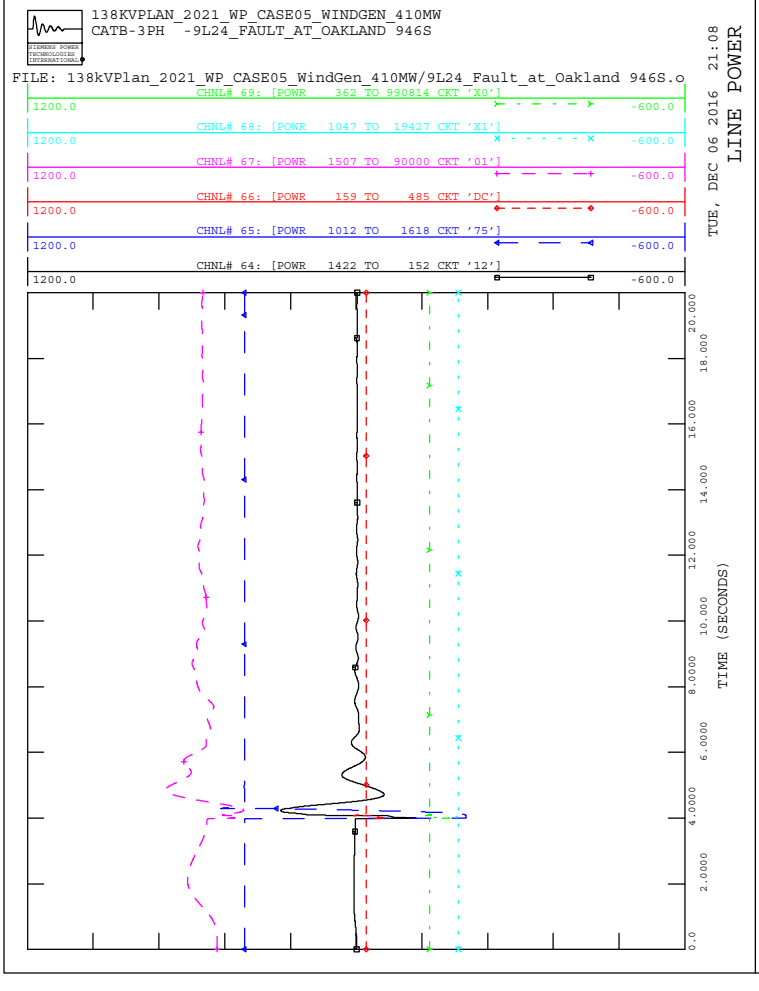
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

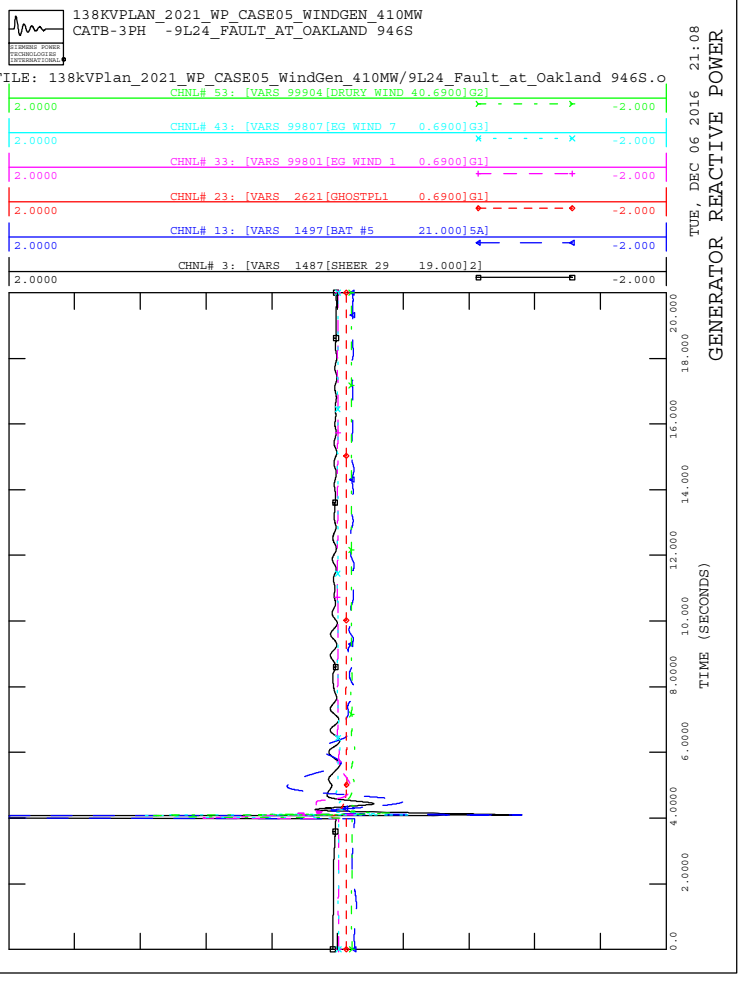

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

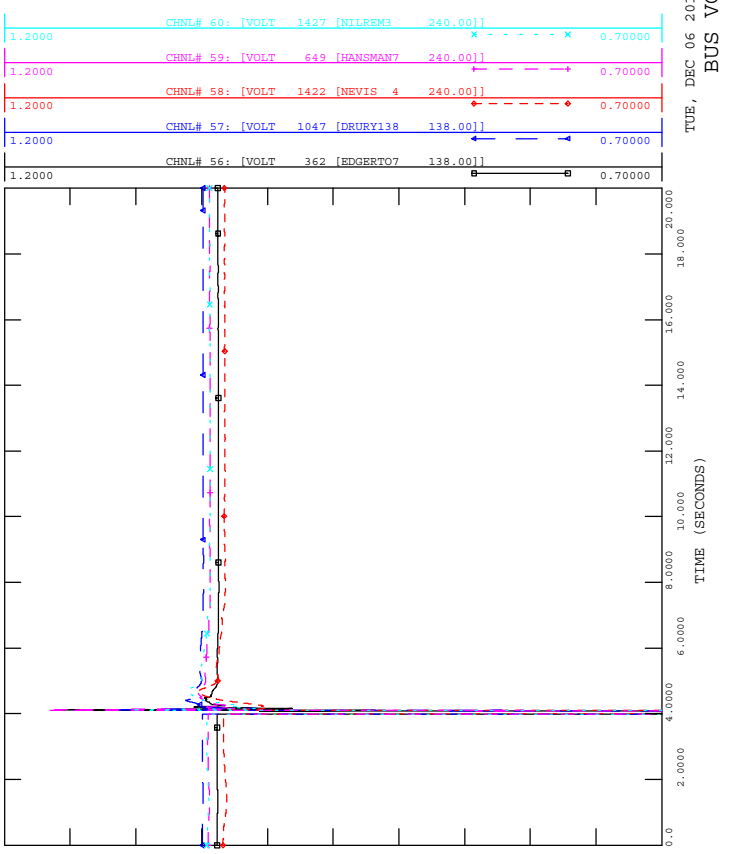

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863

TUE, DEC 06 2016 21:08

BUS VOLTAGE

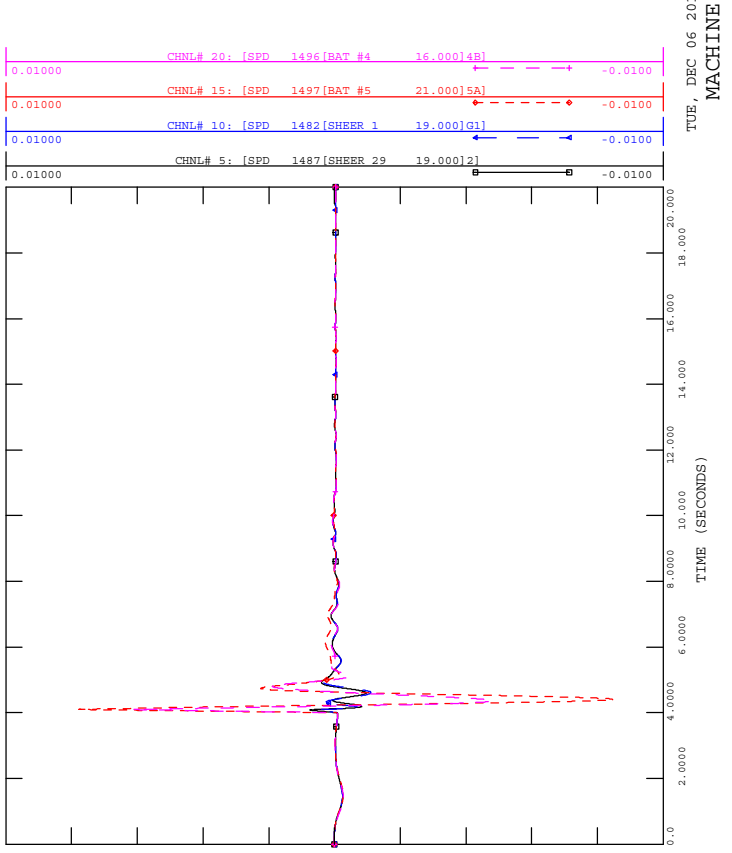


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863

TUE, DEC 06 2016 21:08

MACHINE SPEED

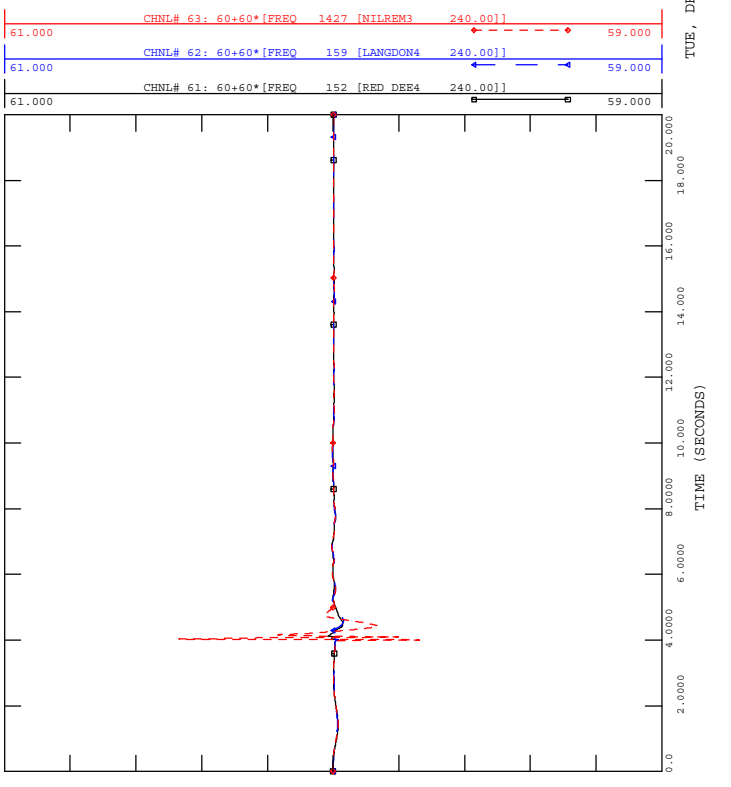


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863

TUE, DEC 06 2016 21:08

FREQUENCY

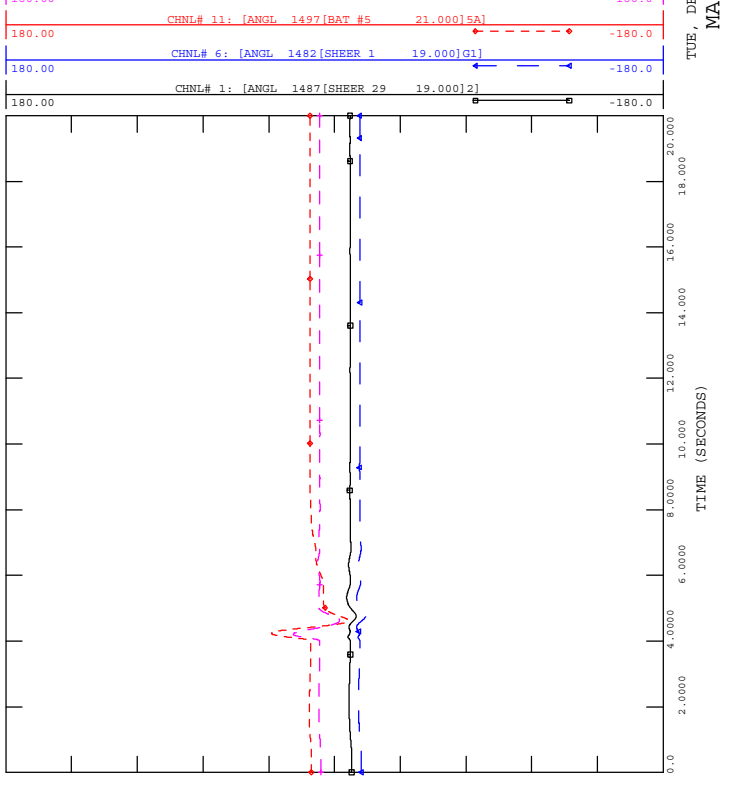


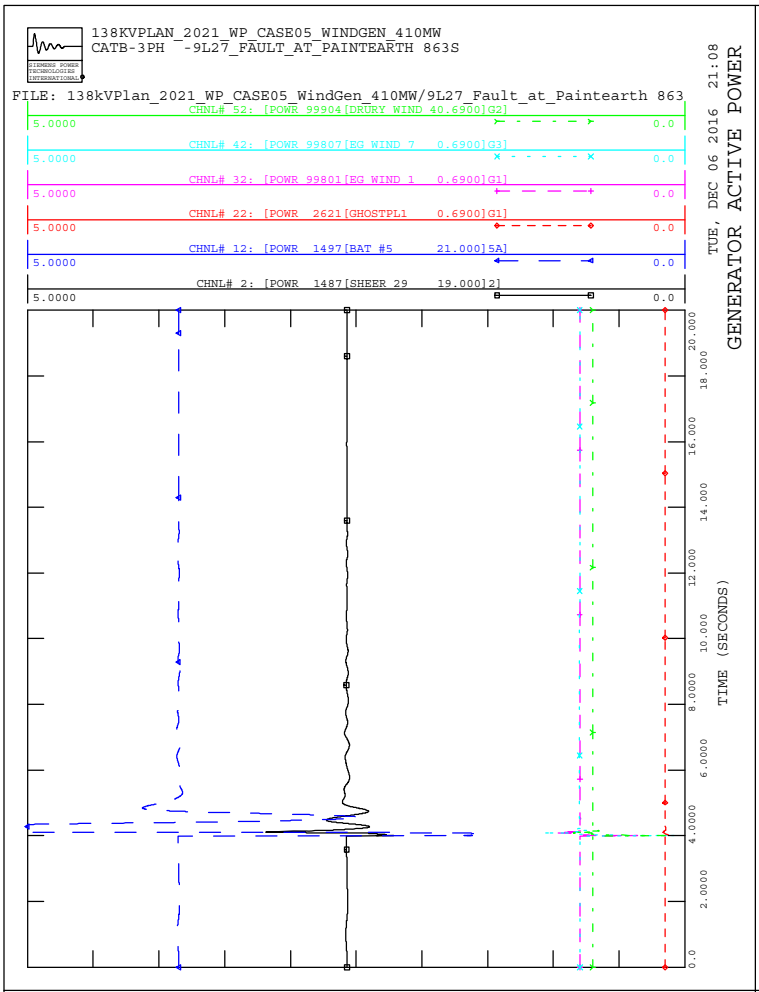
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

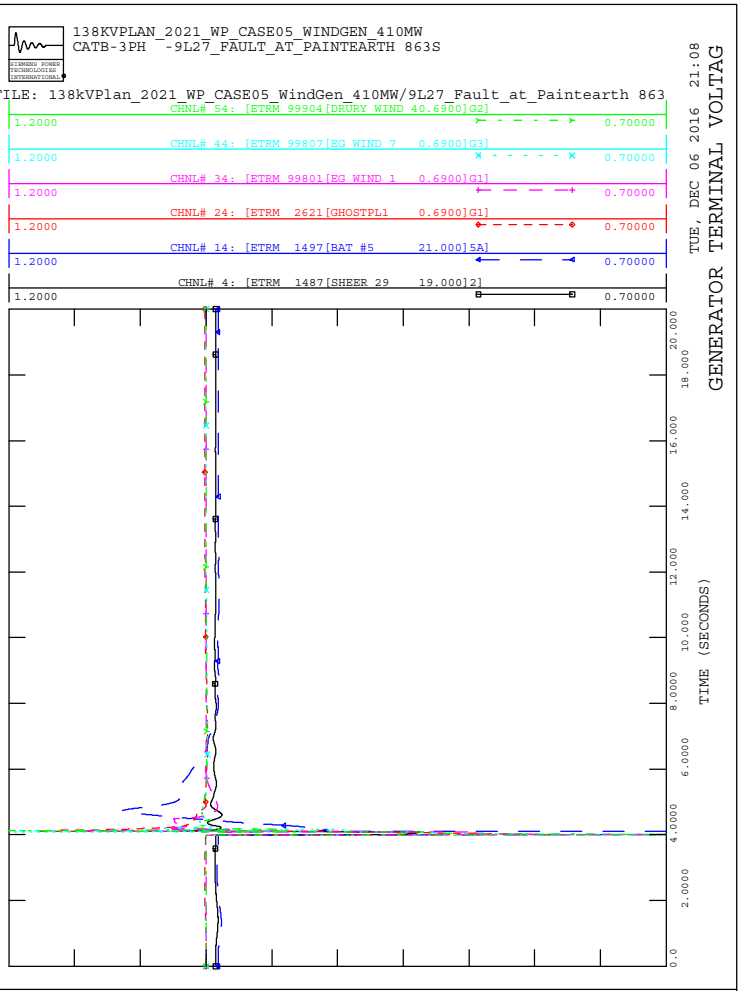
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863

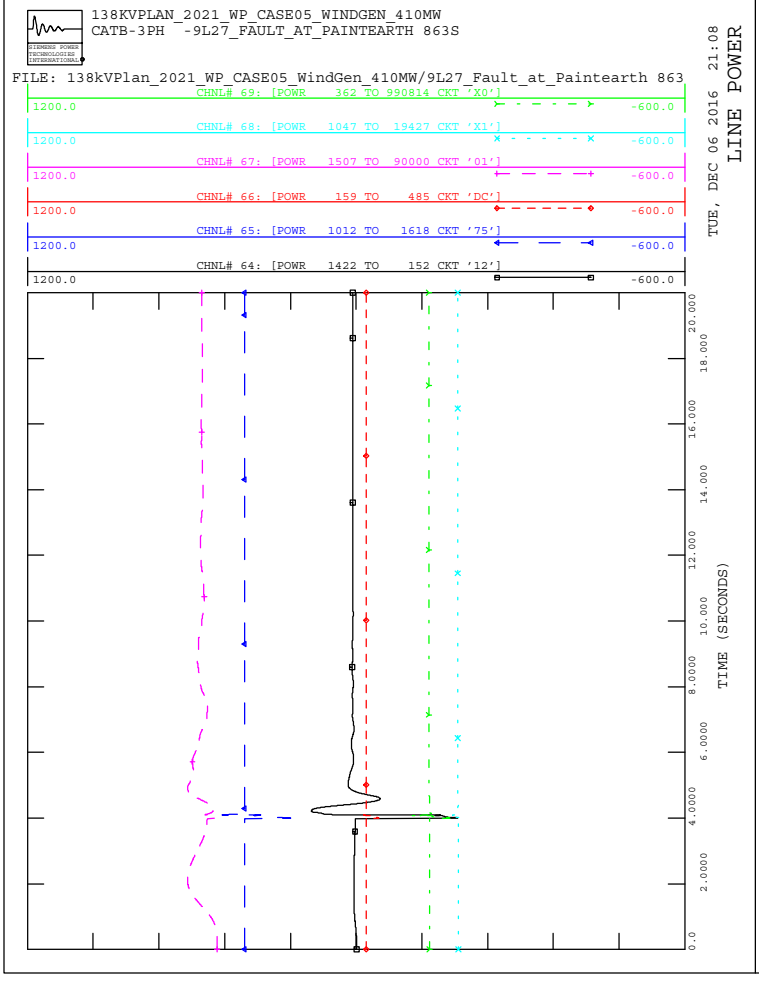
TUE, DEC 06 2016 21:08

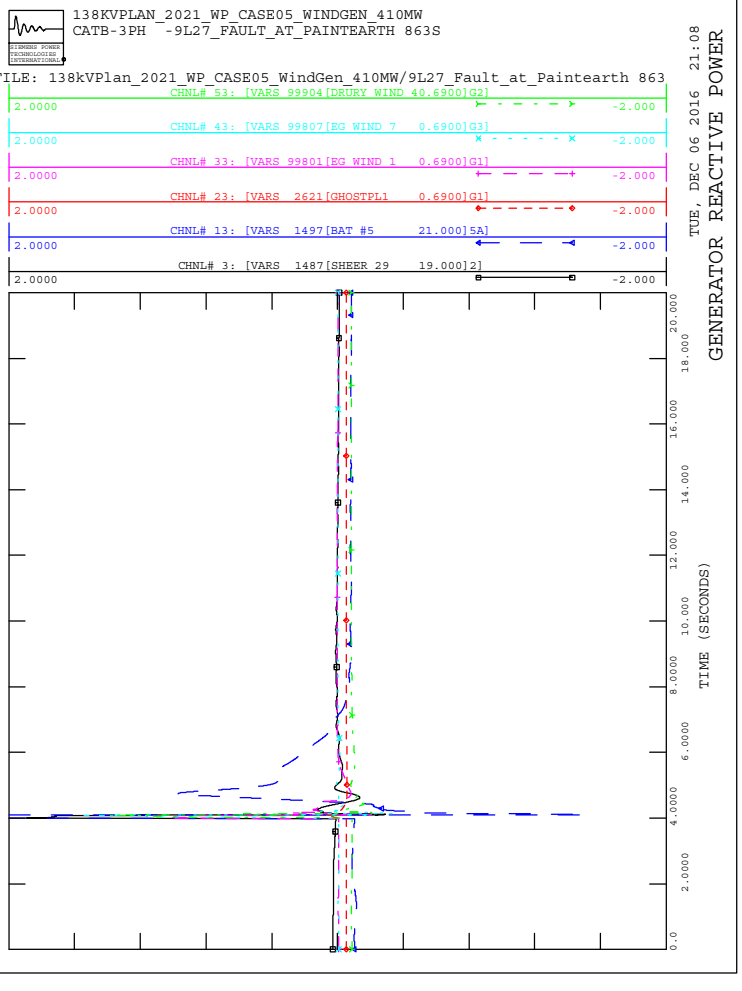
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

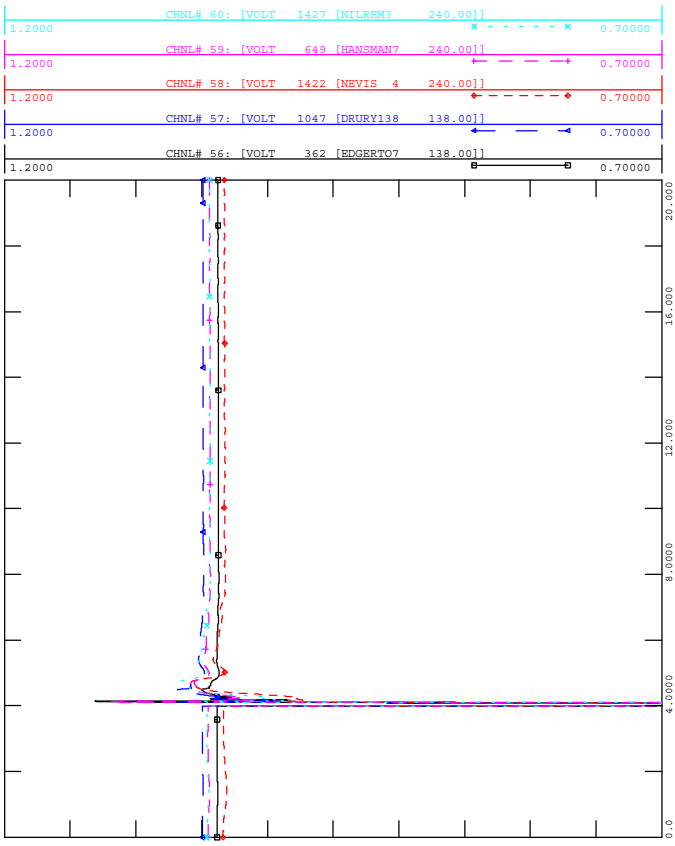

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

BUS VOLTAGE

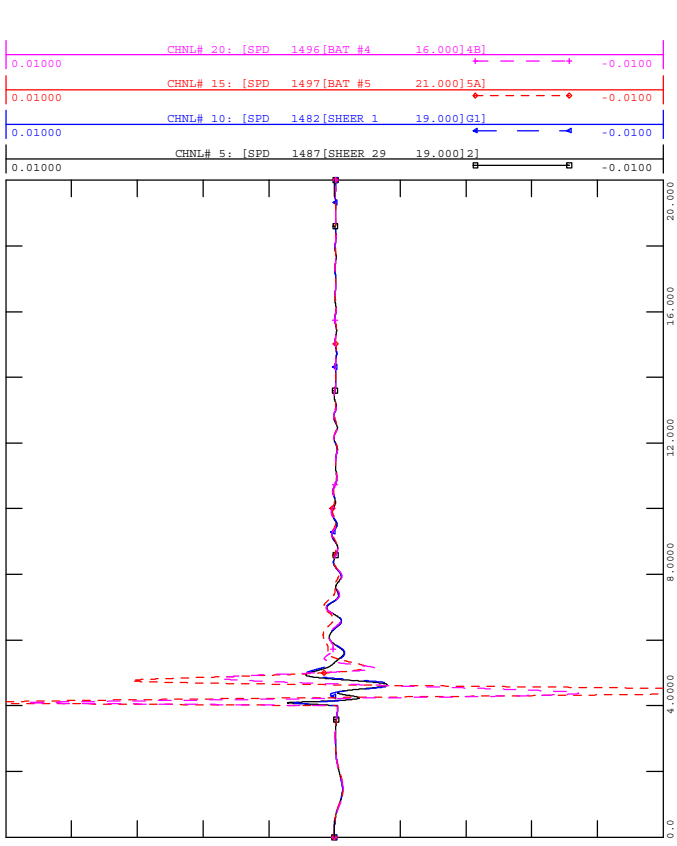


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

MACHINE SPEED

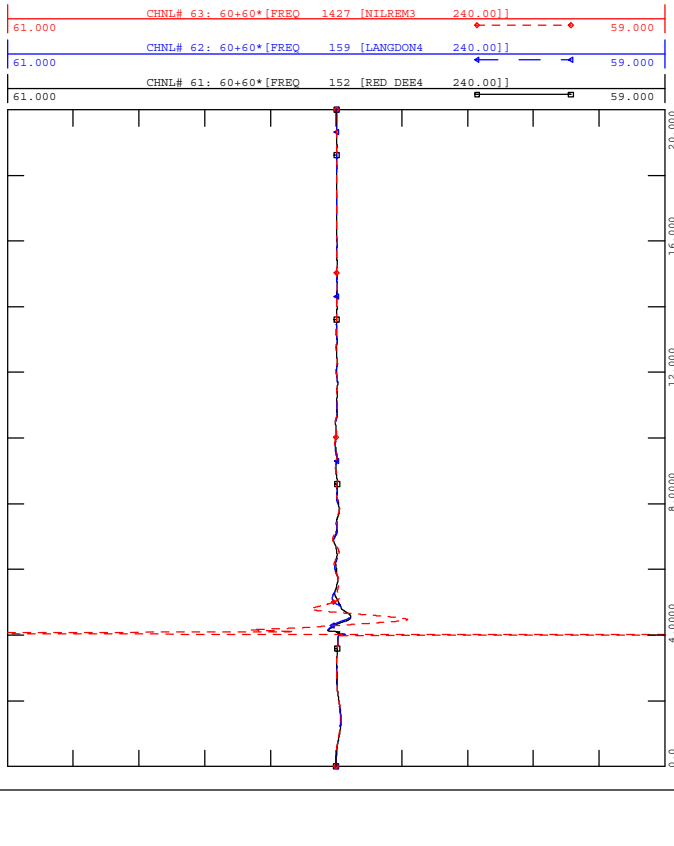


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

FREQUENCY

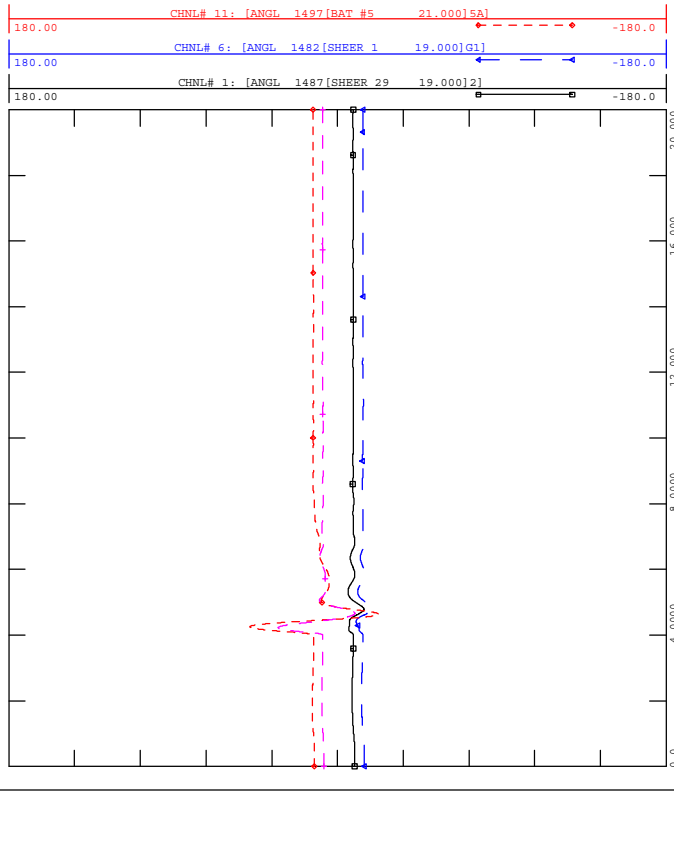


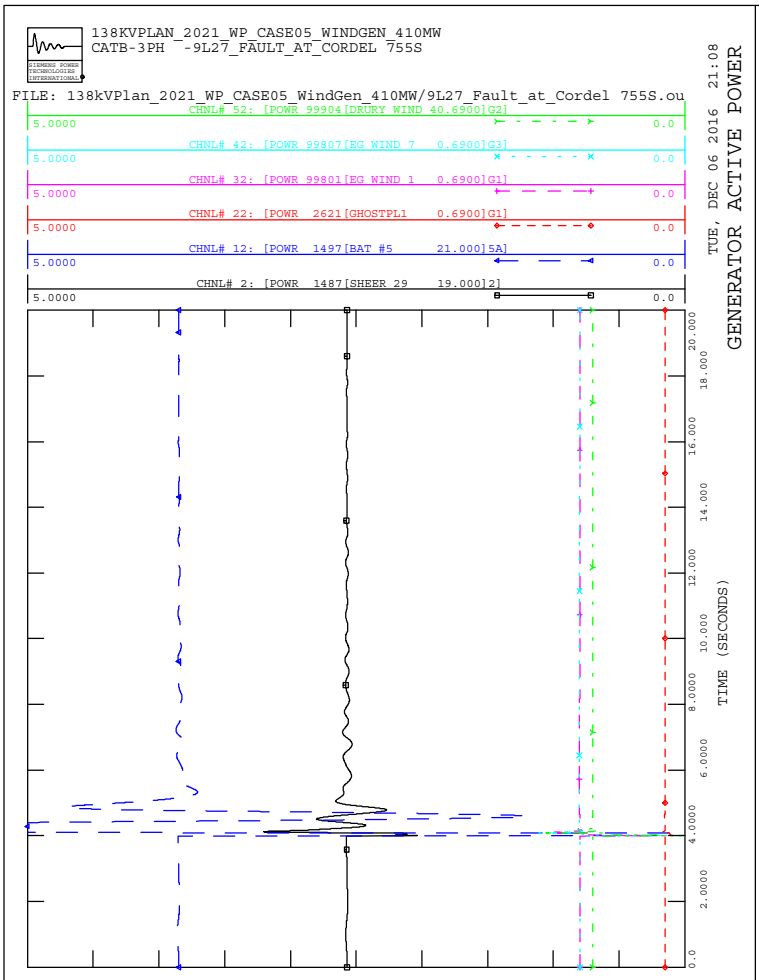
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

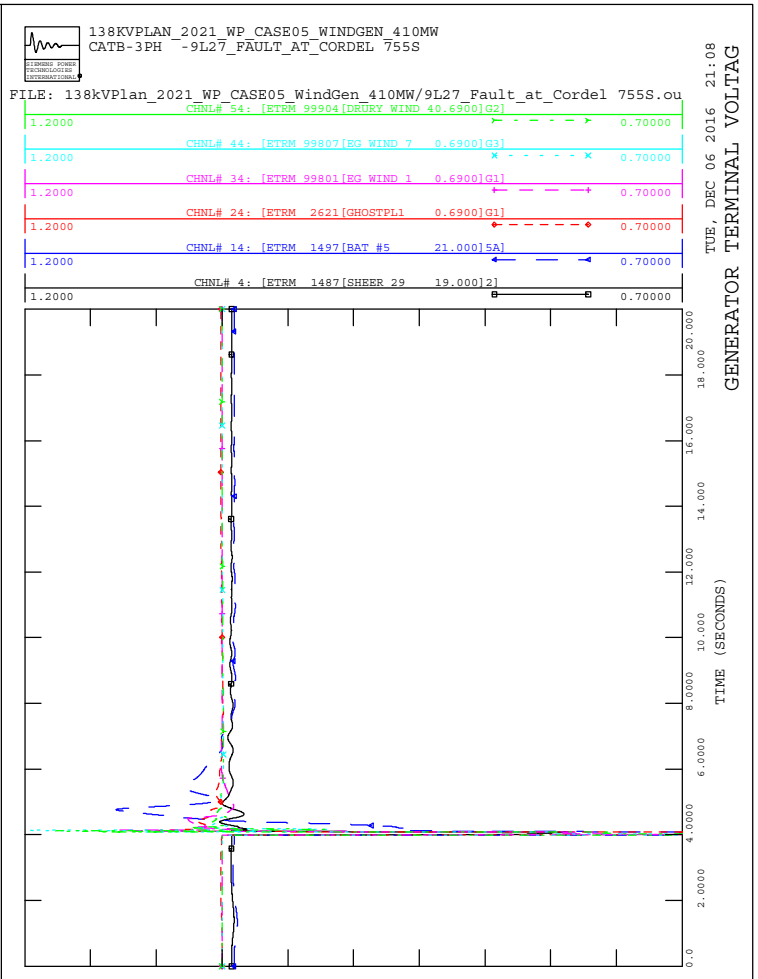
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

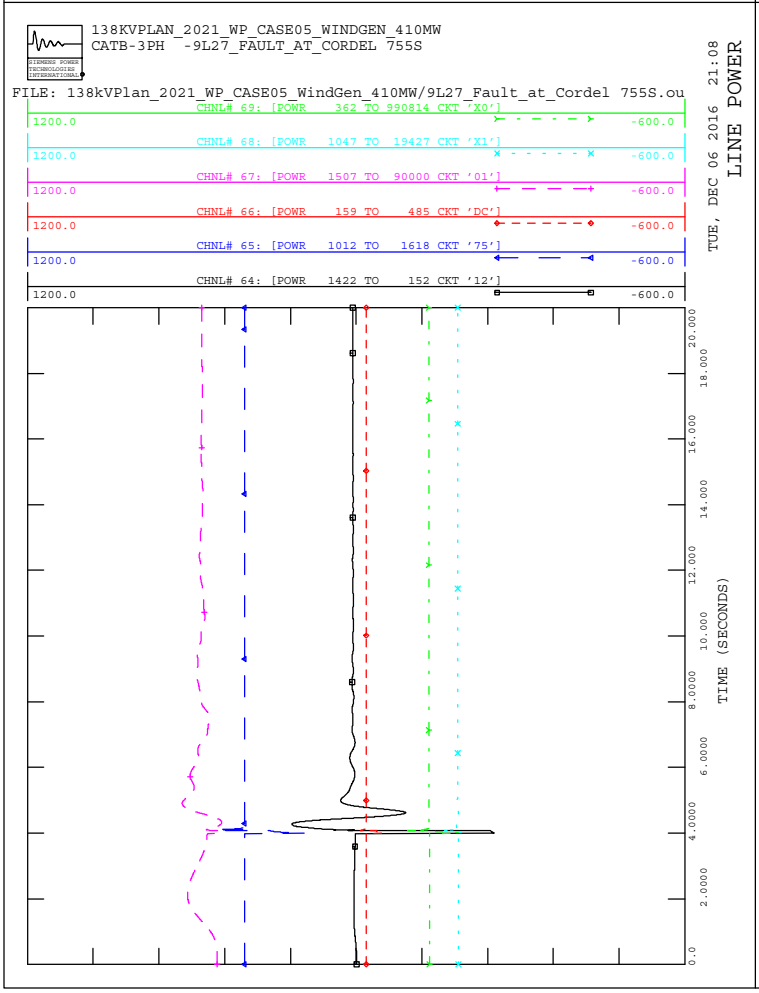
TUE, DEC 06 2016 21:08

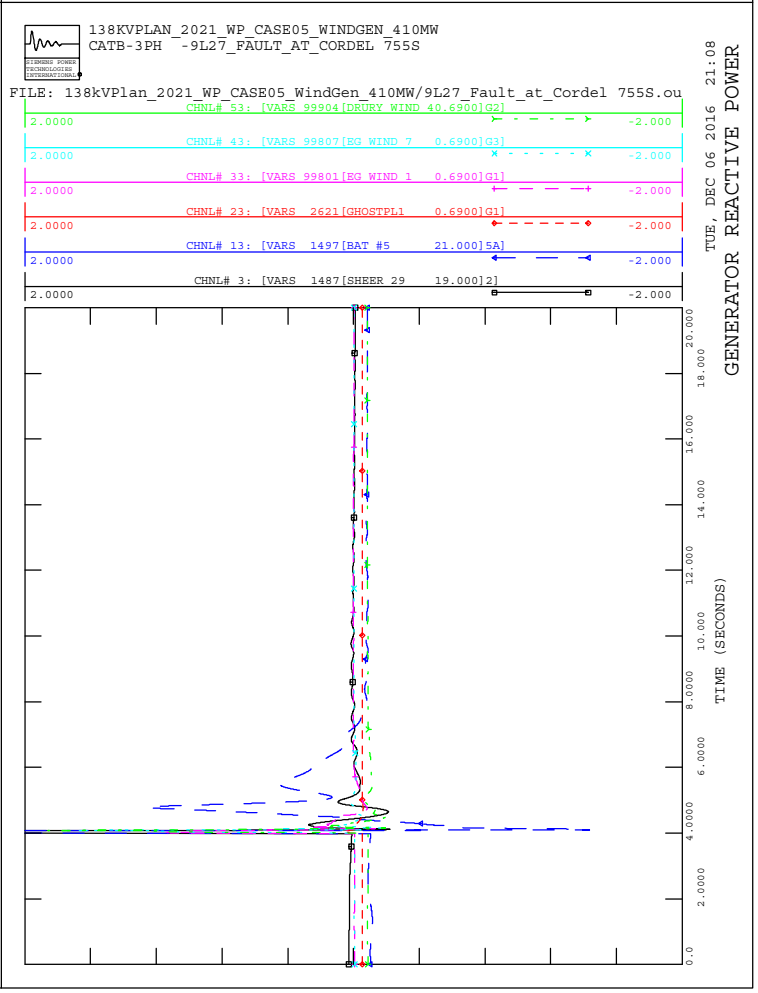
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)

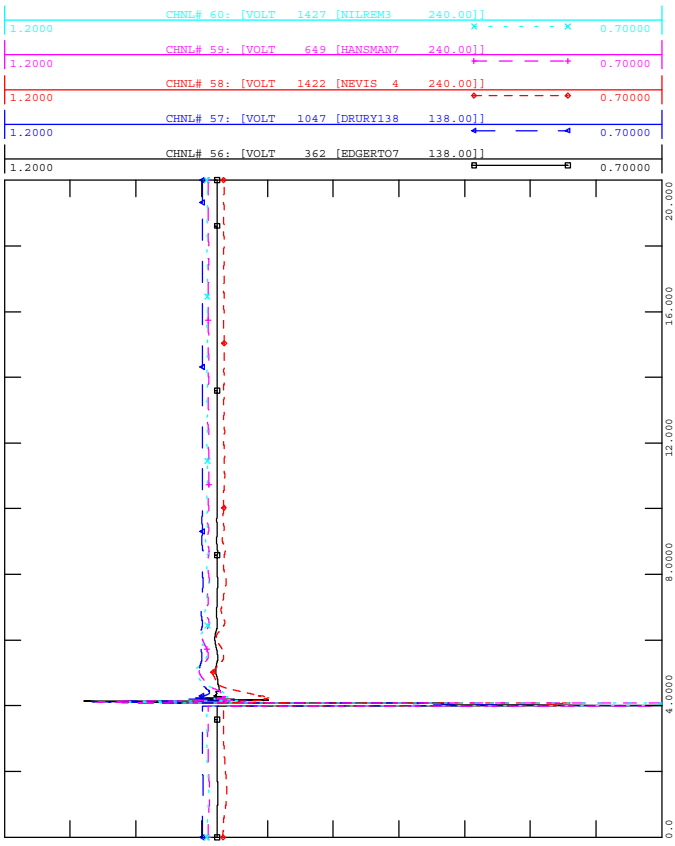

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:08

BUS VOLTAGE

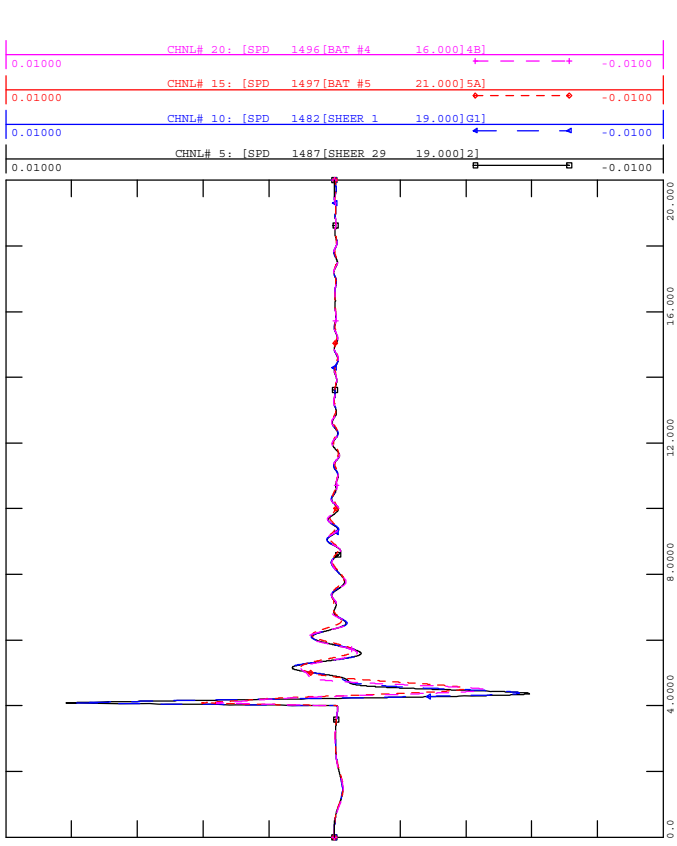


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:08

MACHINE SPEED

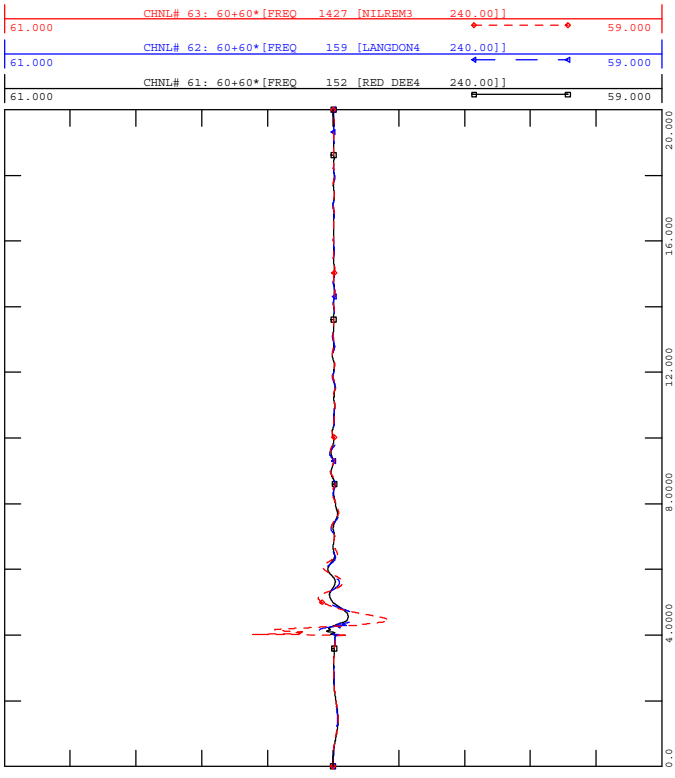


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:08

FREQUENCY

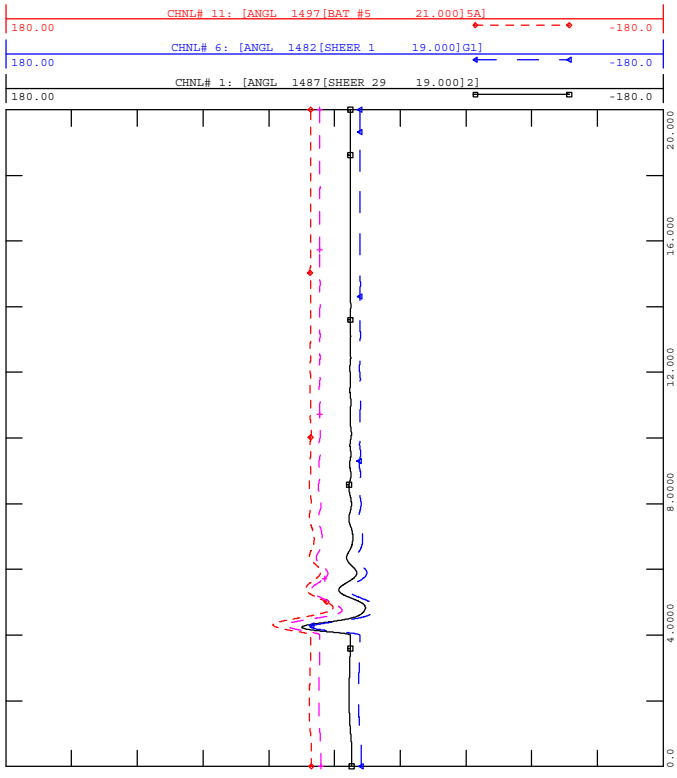


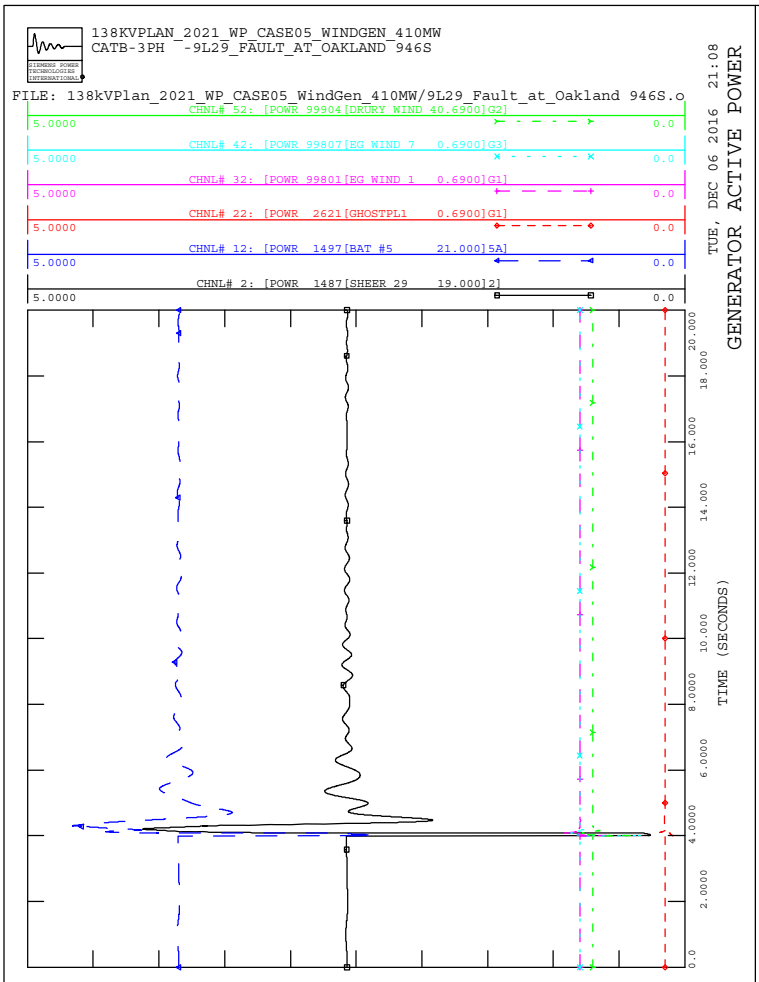
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

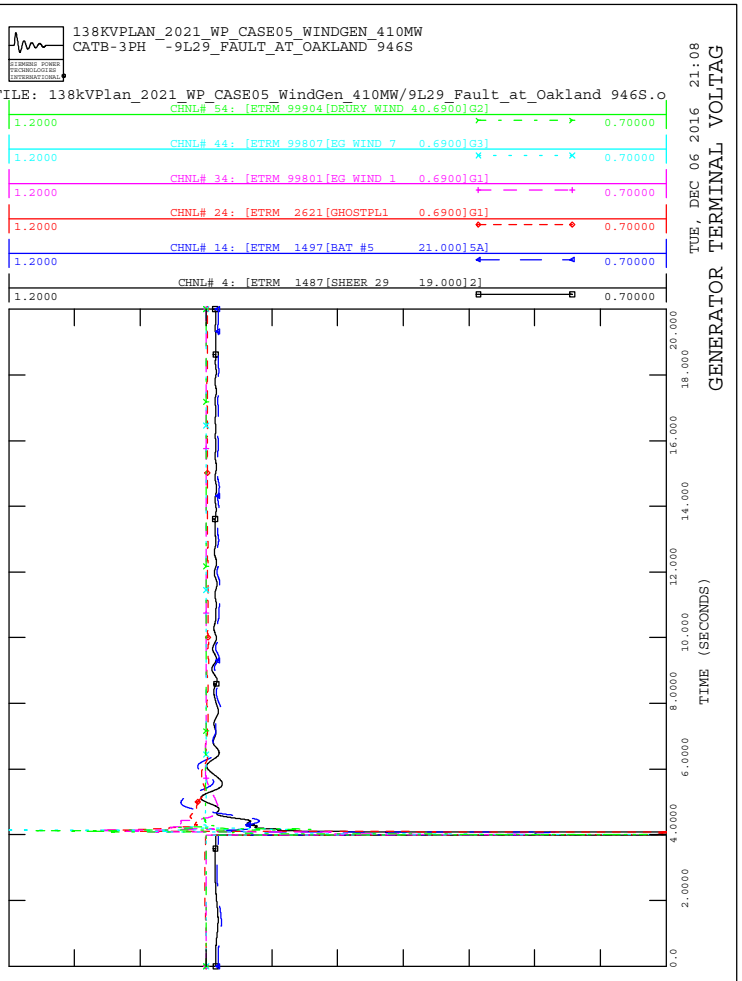
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
14.000
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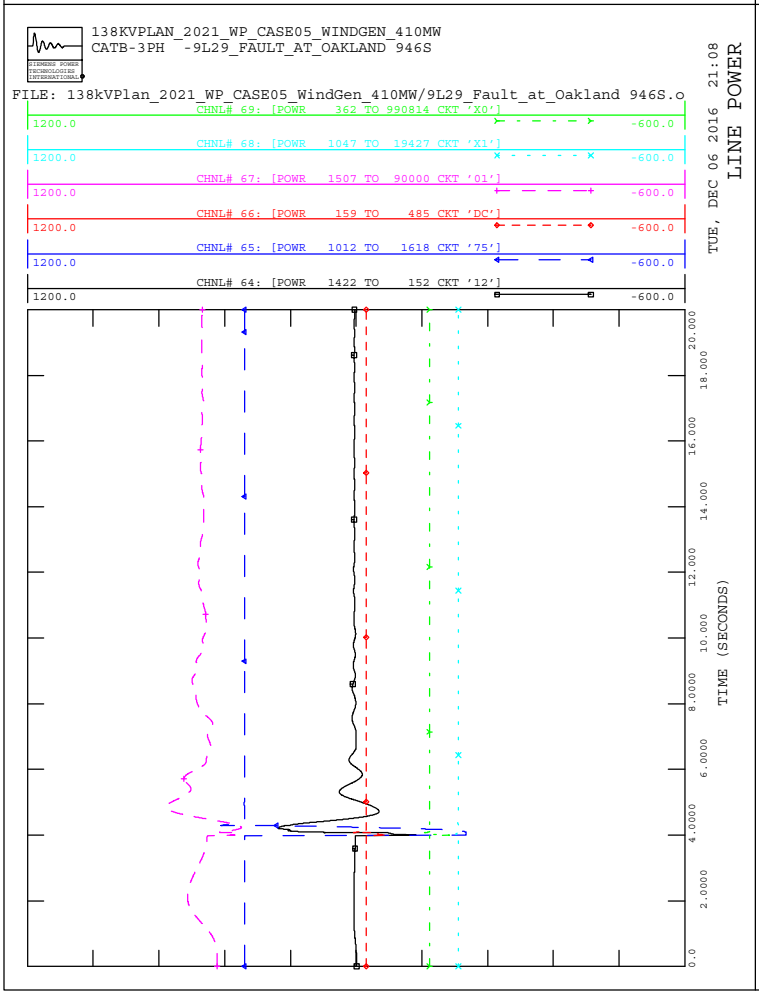
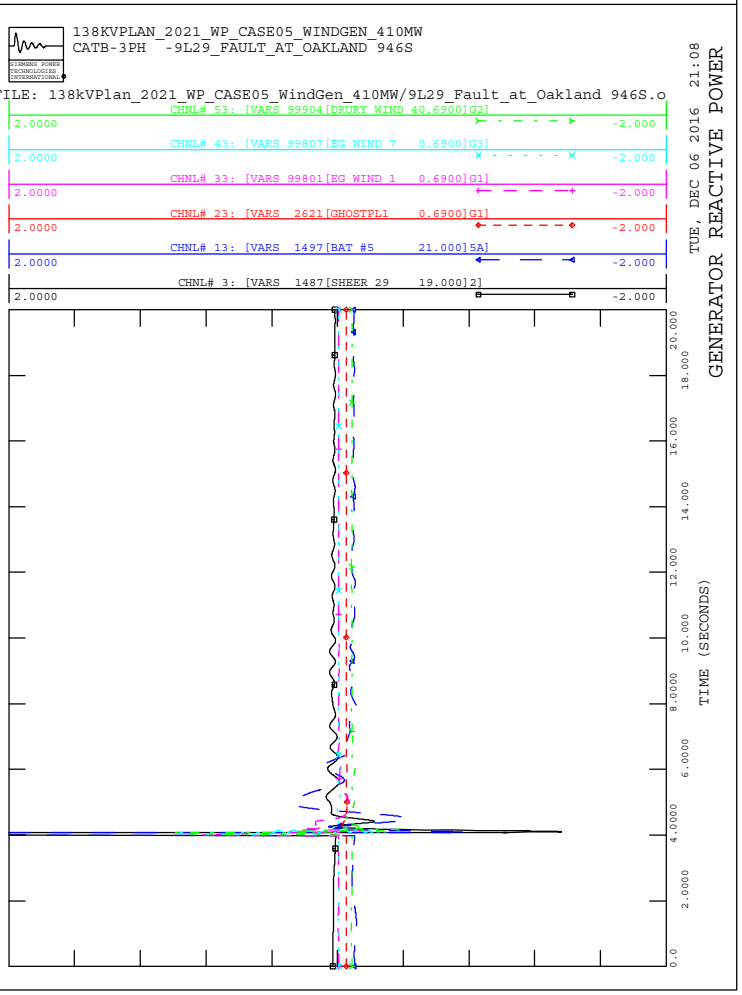
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

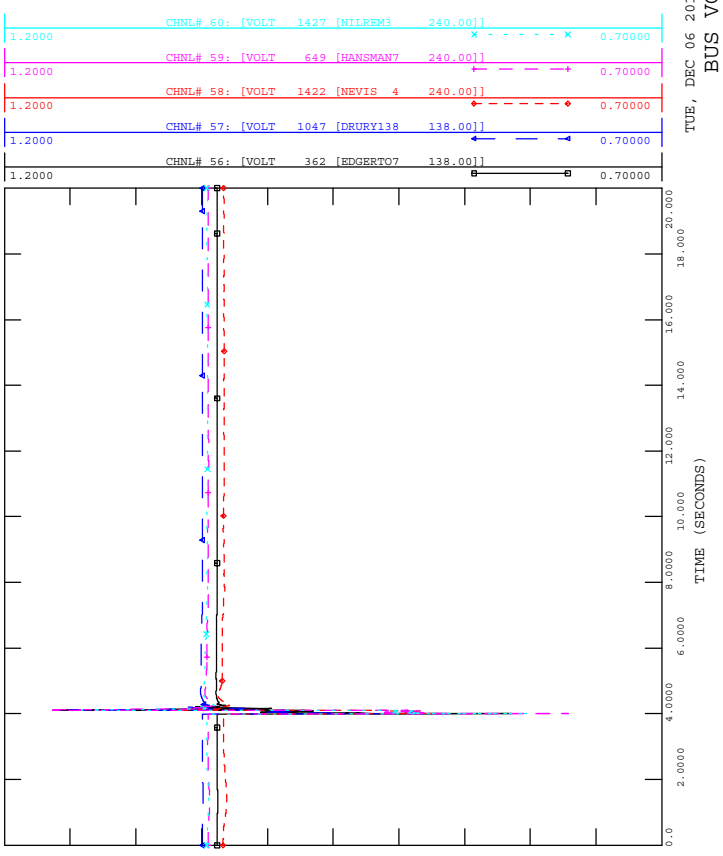

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96

TUE, DEC 06 2016 21:08

BUS VOLTAGE

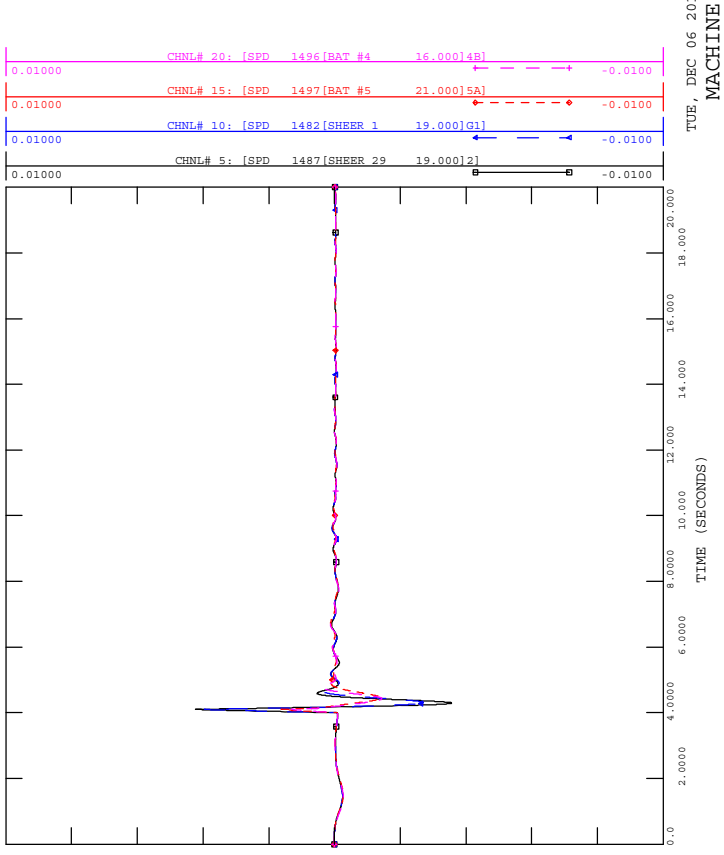


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96

TUE, DEC 06 2016 21:08

MACHINE SPEED

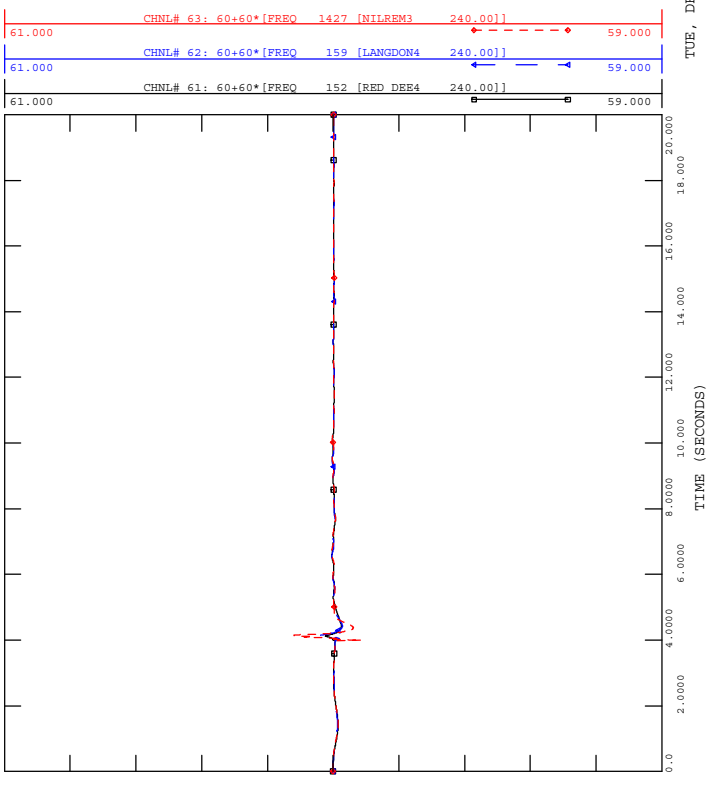


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96

TUE, DEC 06 2016 21:08

FREQUENCY

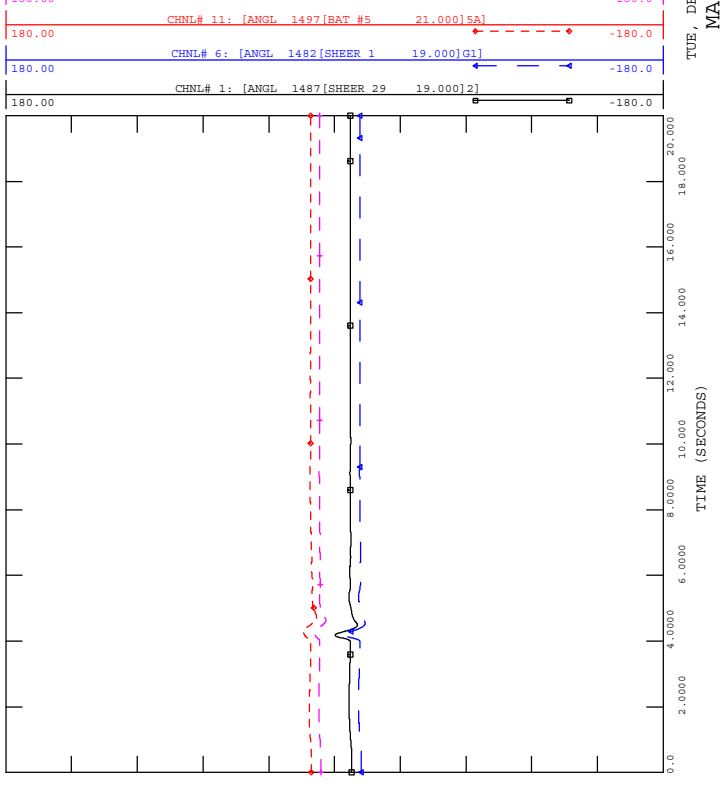


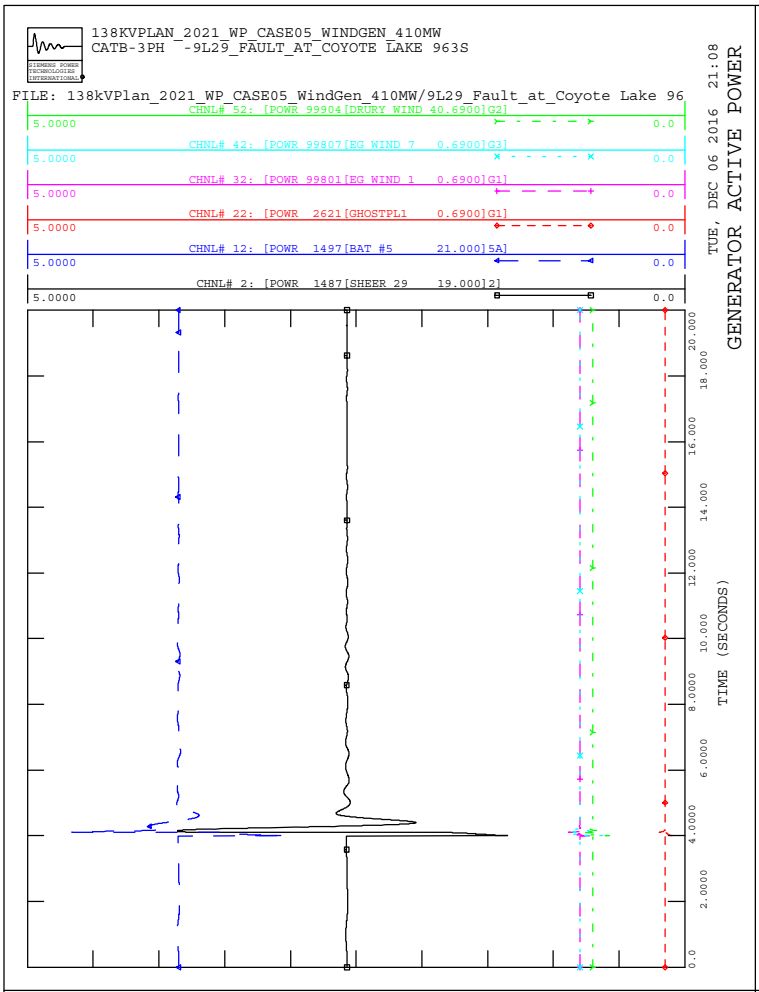
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

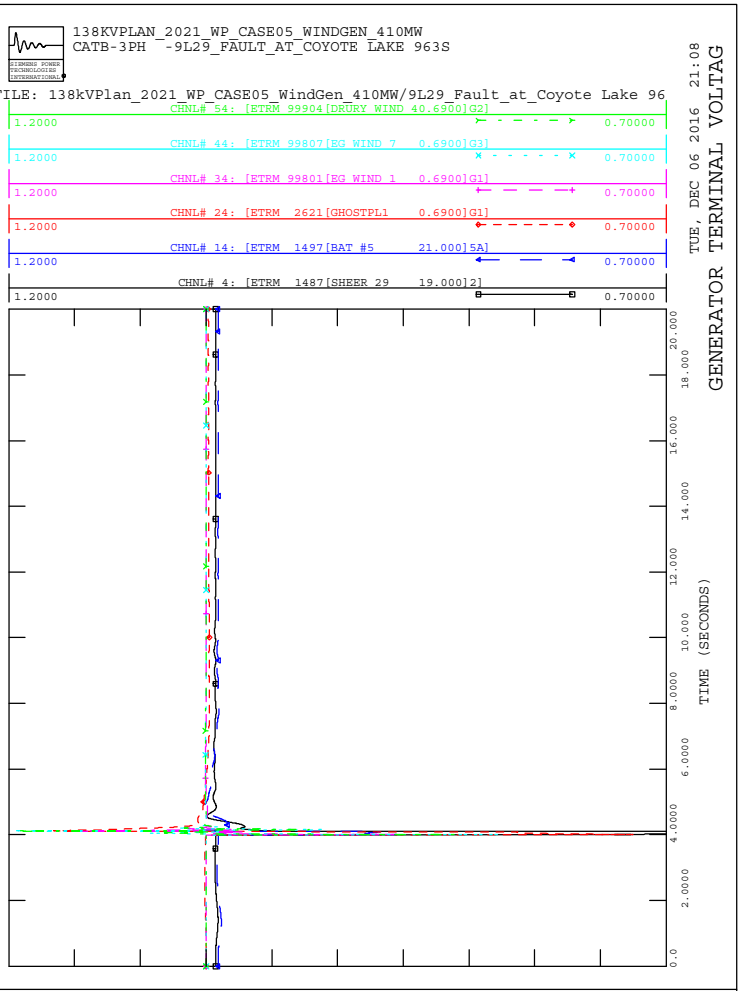
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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8.0000
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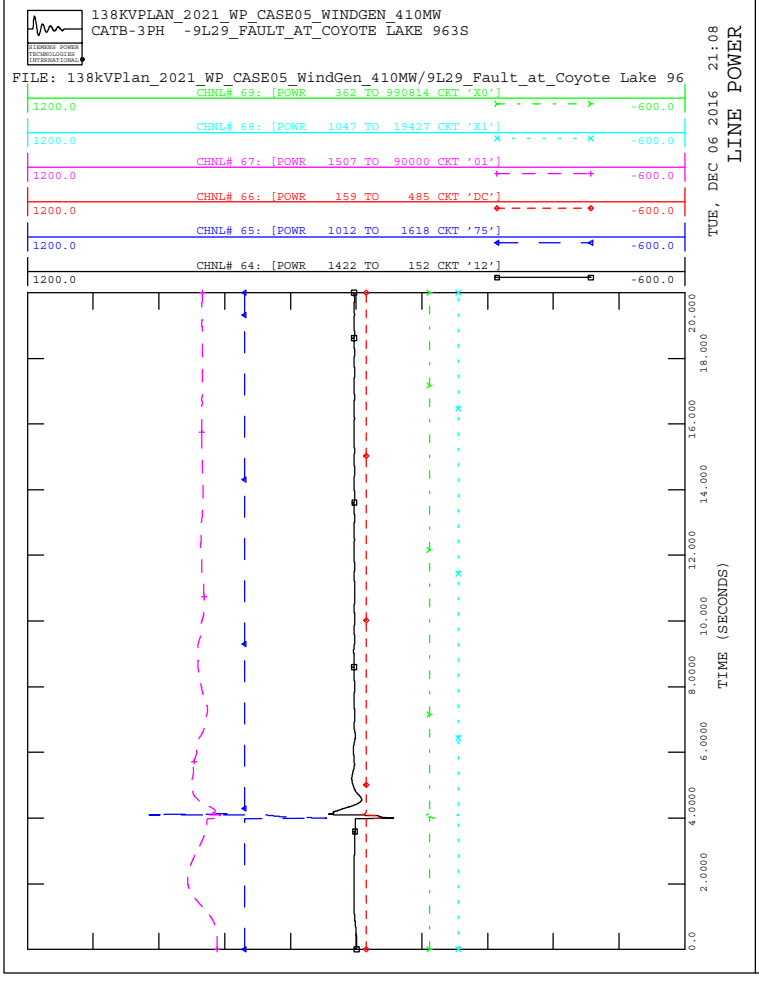
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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16.000
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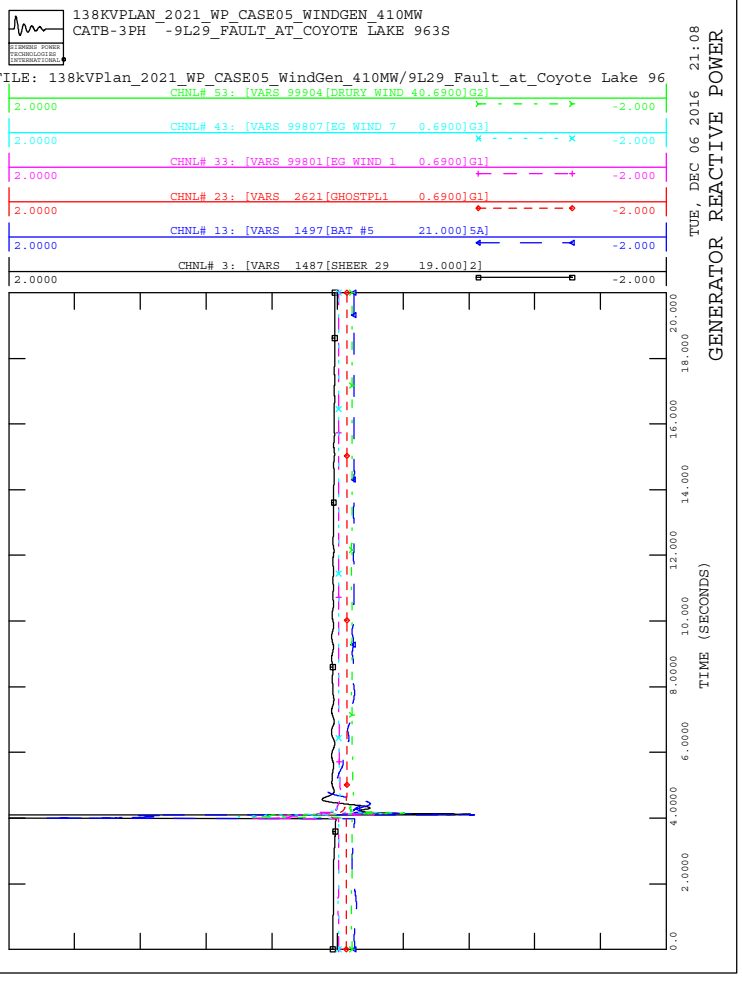
20.000

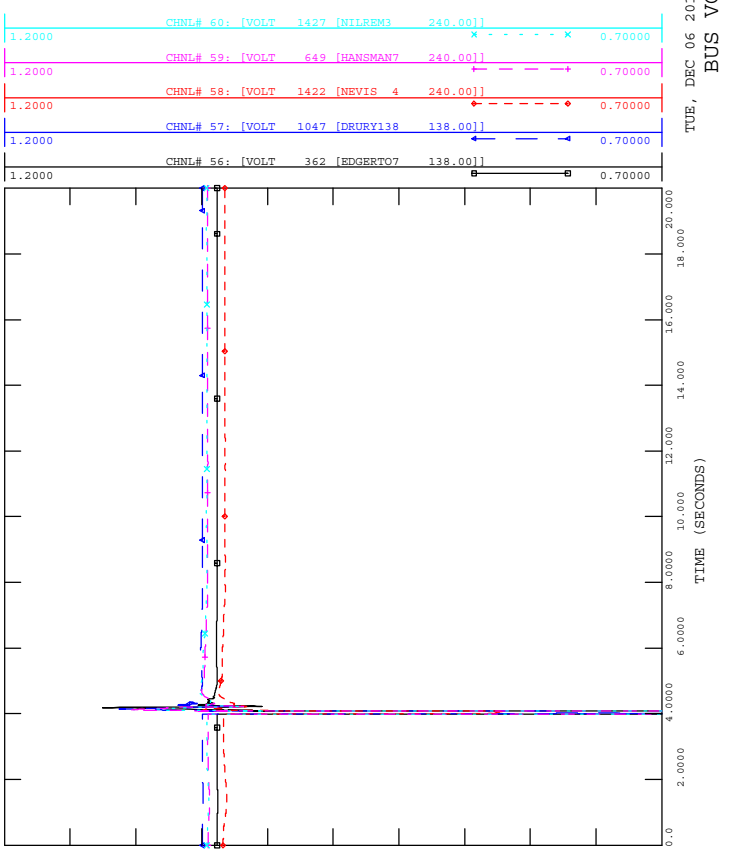

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:08

BUS VOLTAGE

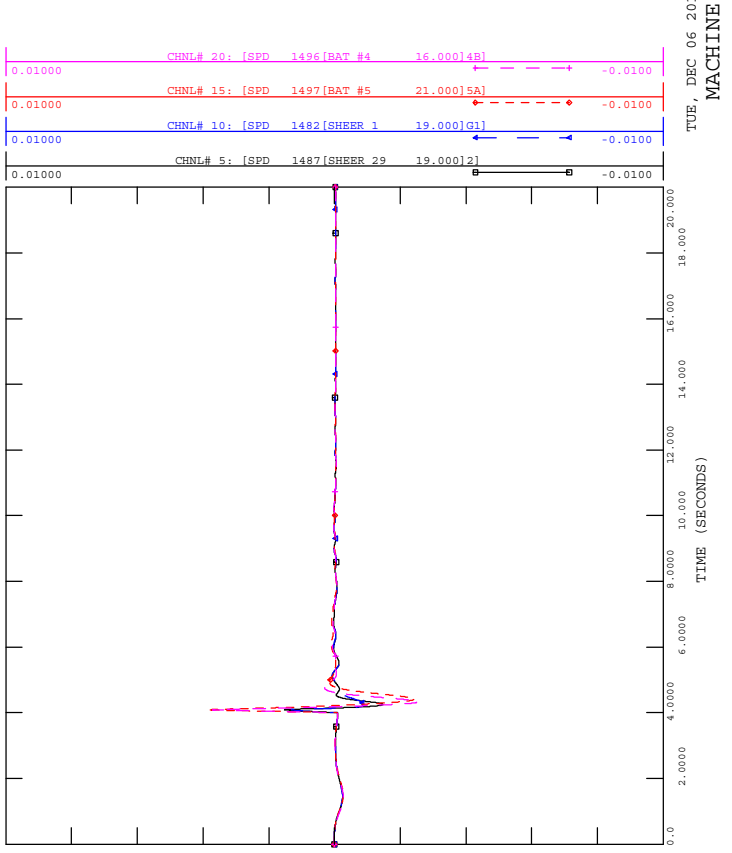


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:08

MACHINE SPEED

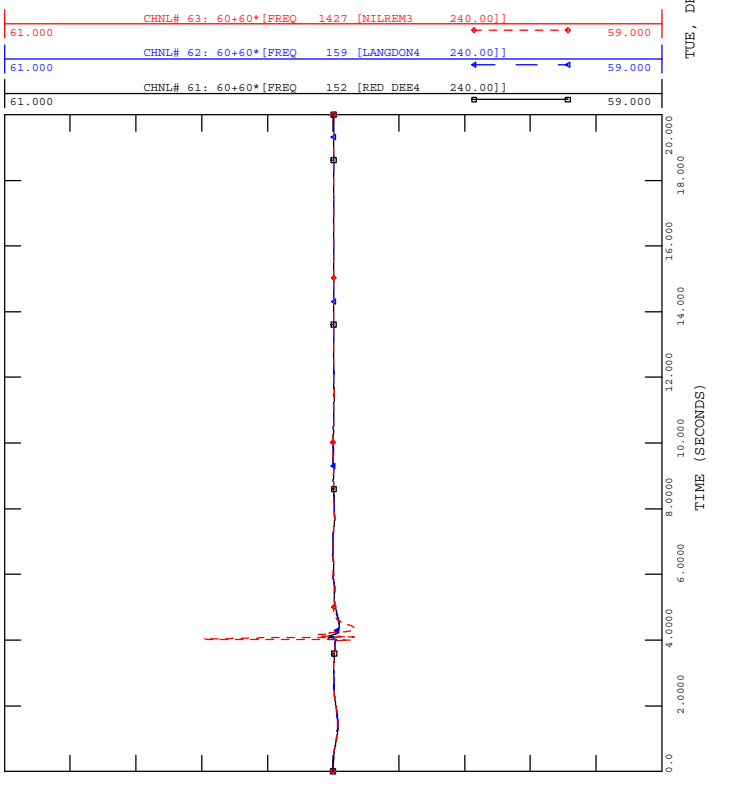


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:08

FREQUENCY

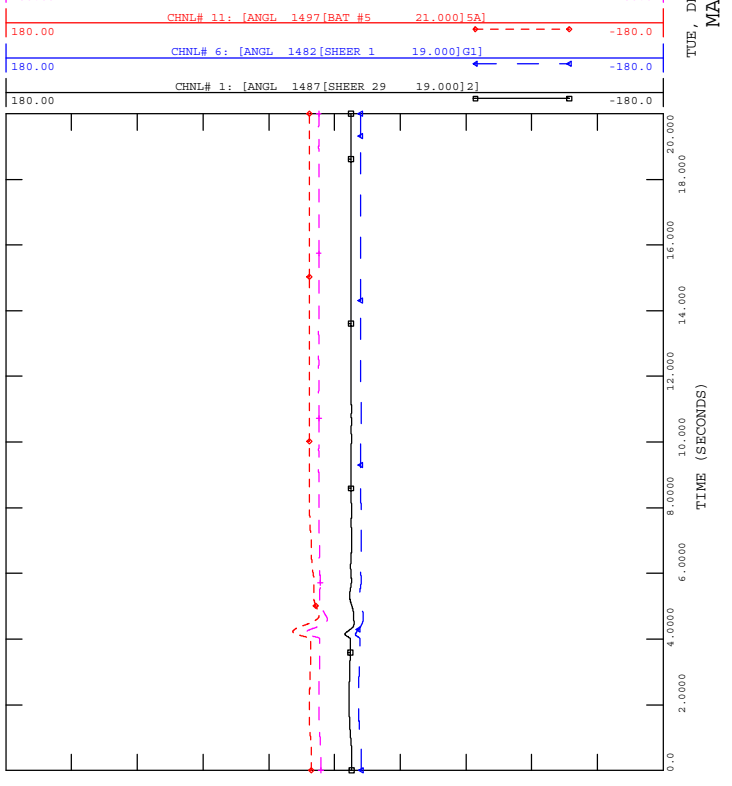


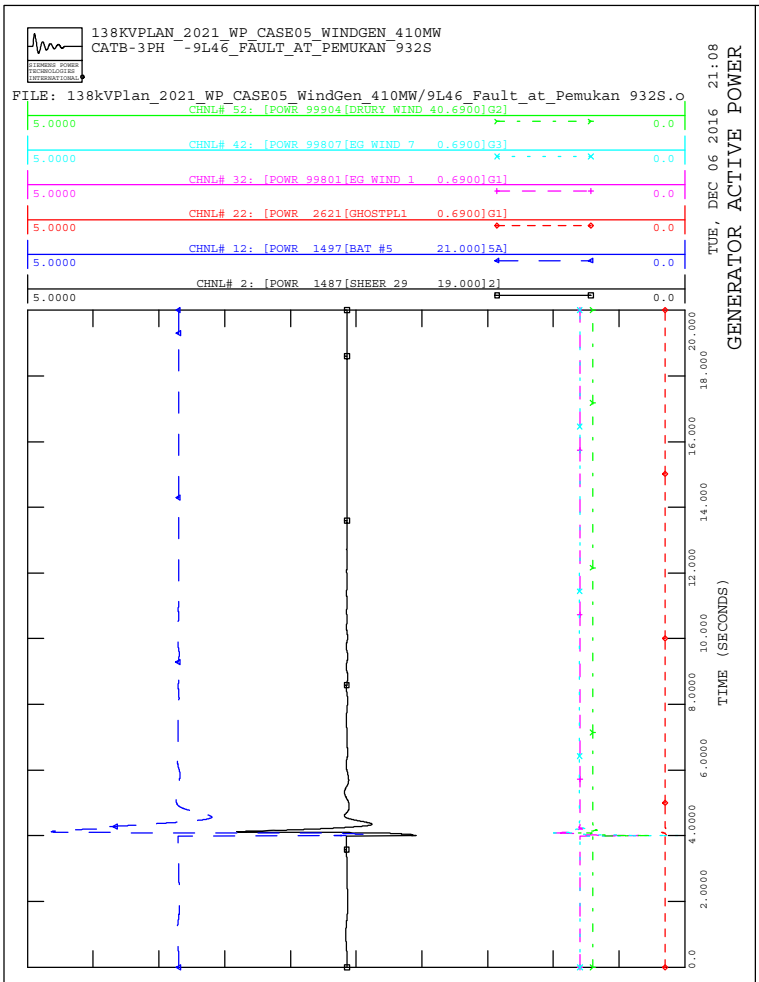
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

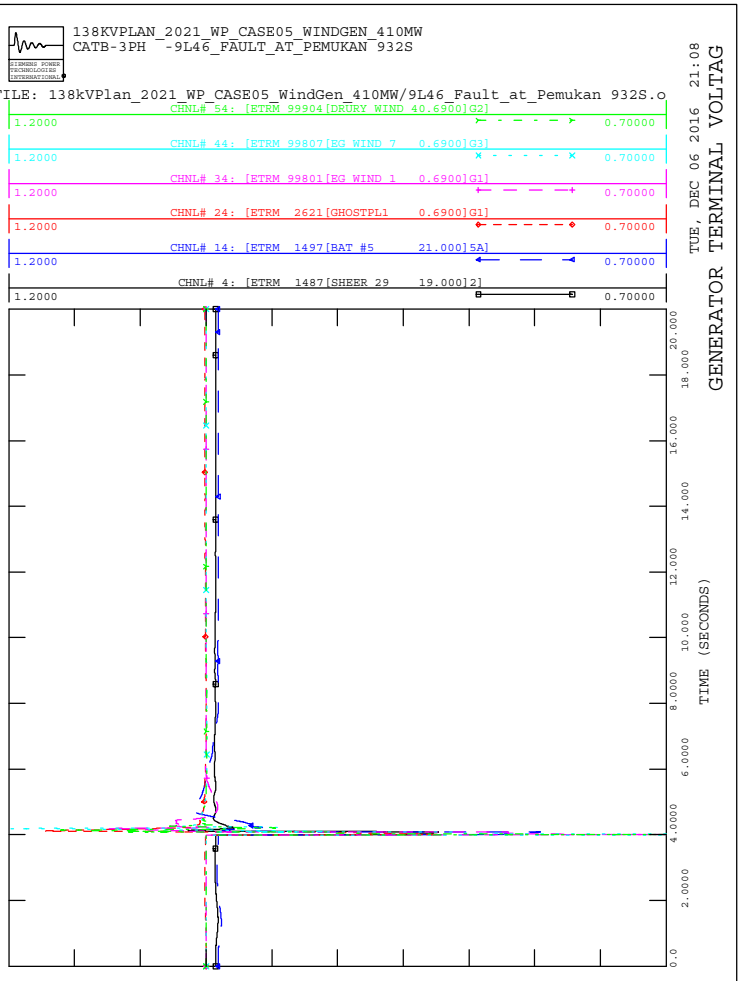
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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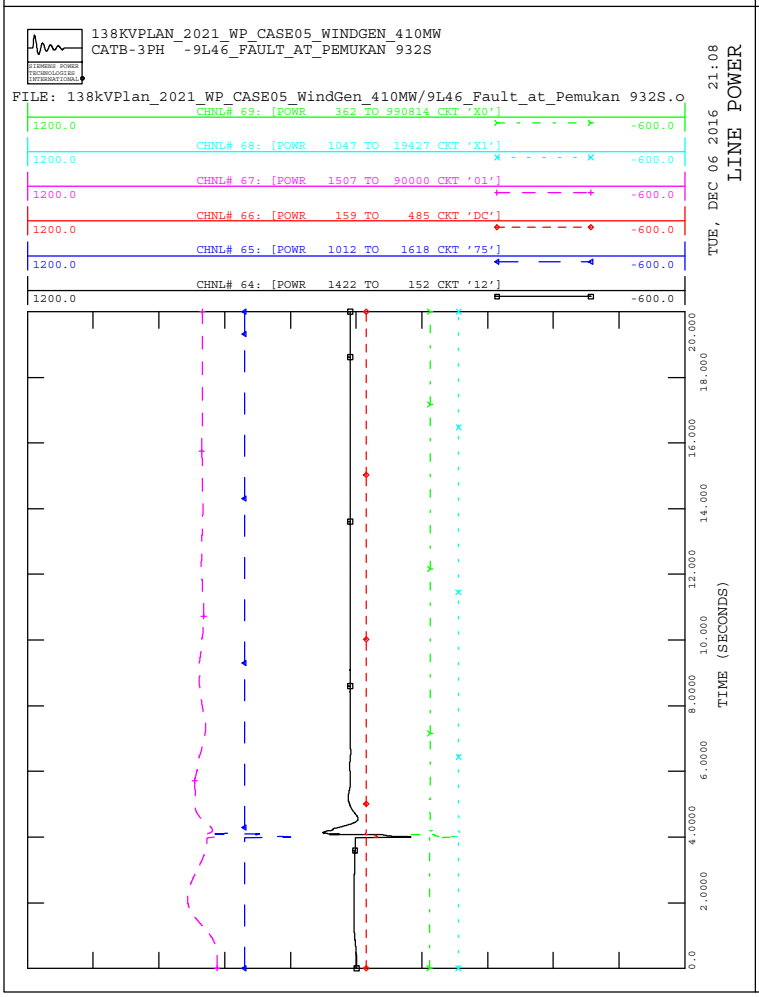
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
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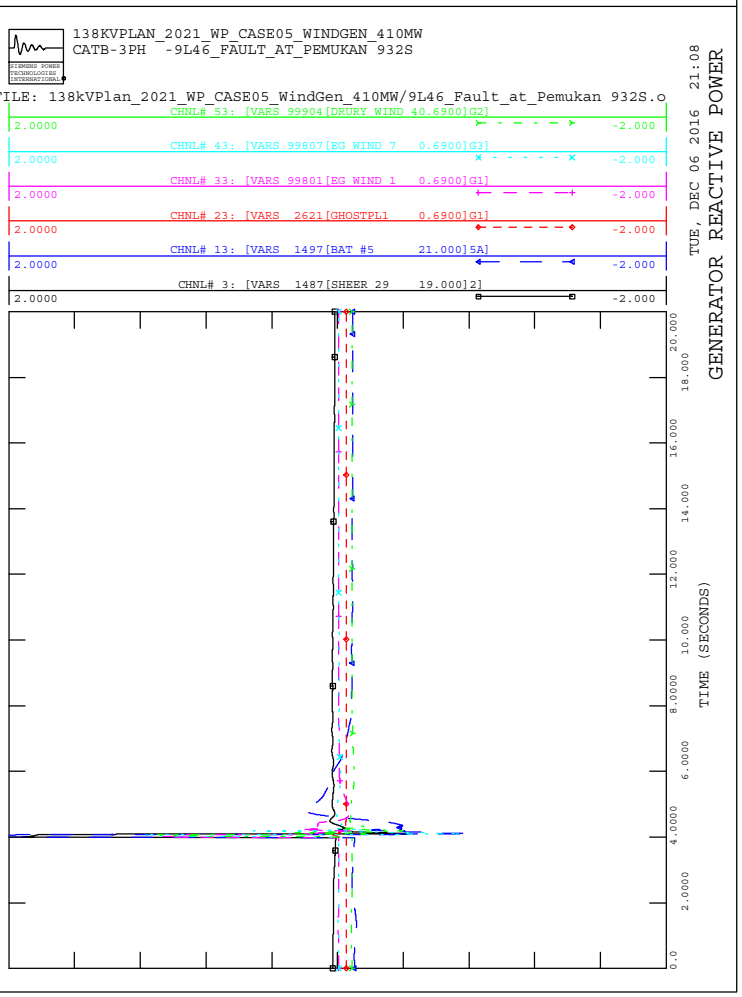
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

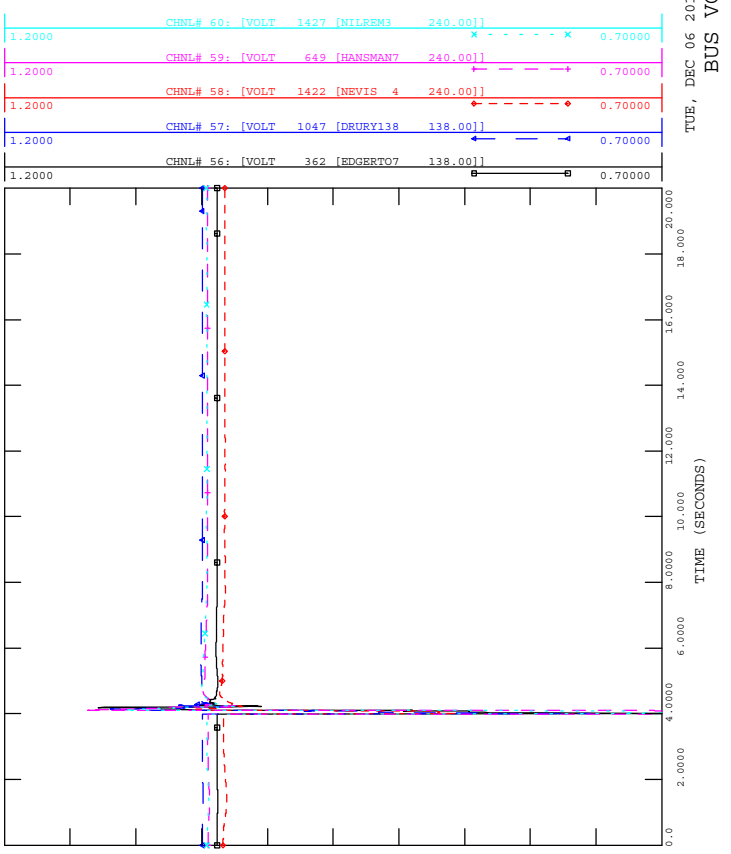

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:08

BUS VOLTAGE

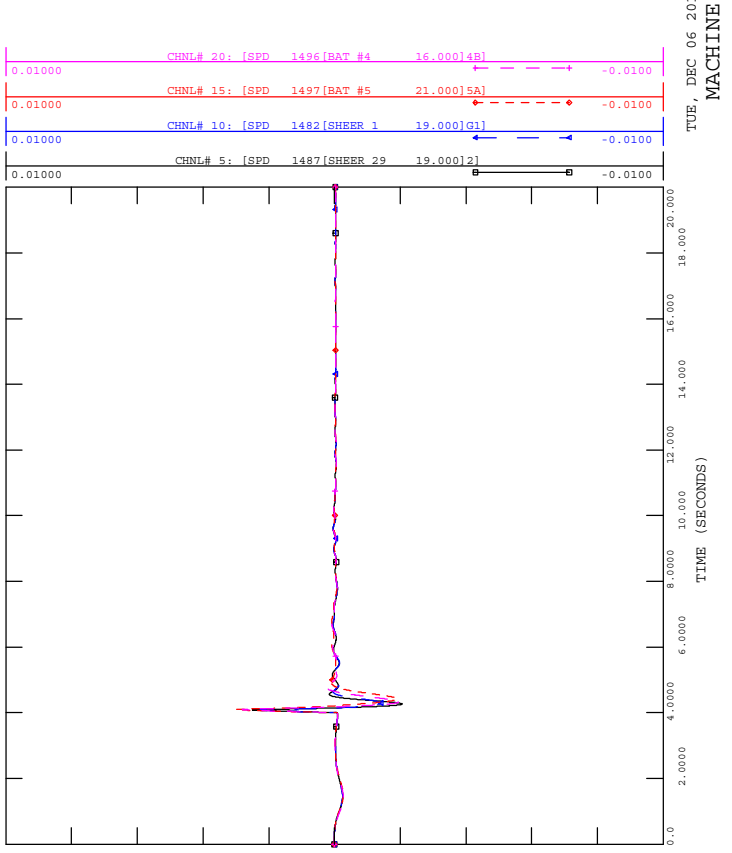


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:08

MACHINE SPEED

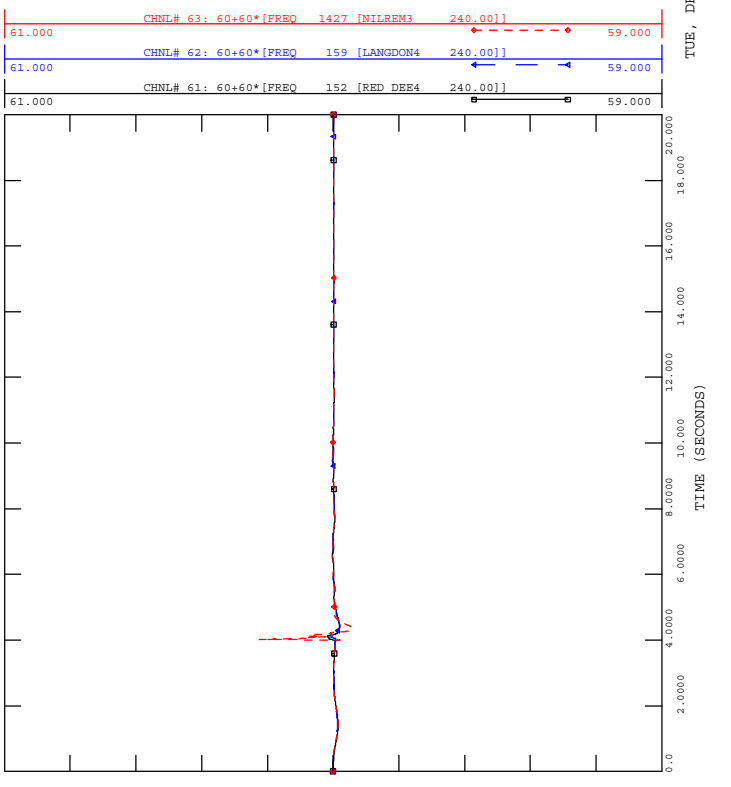


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:08

FREQUENCY

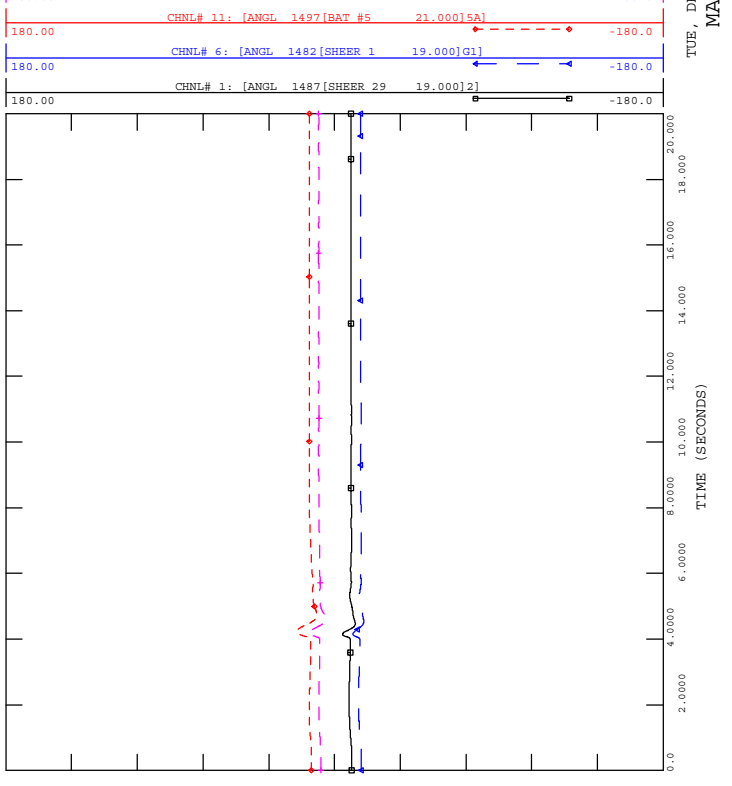


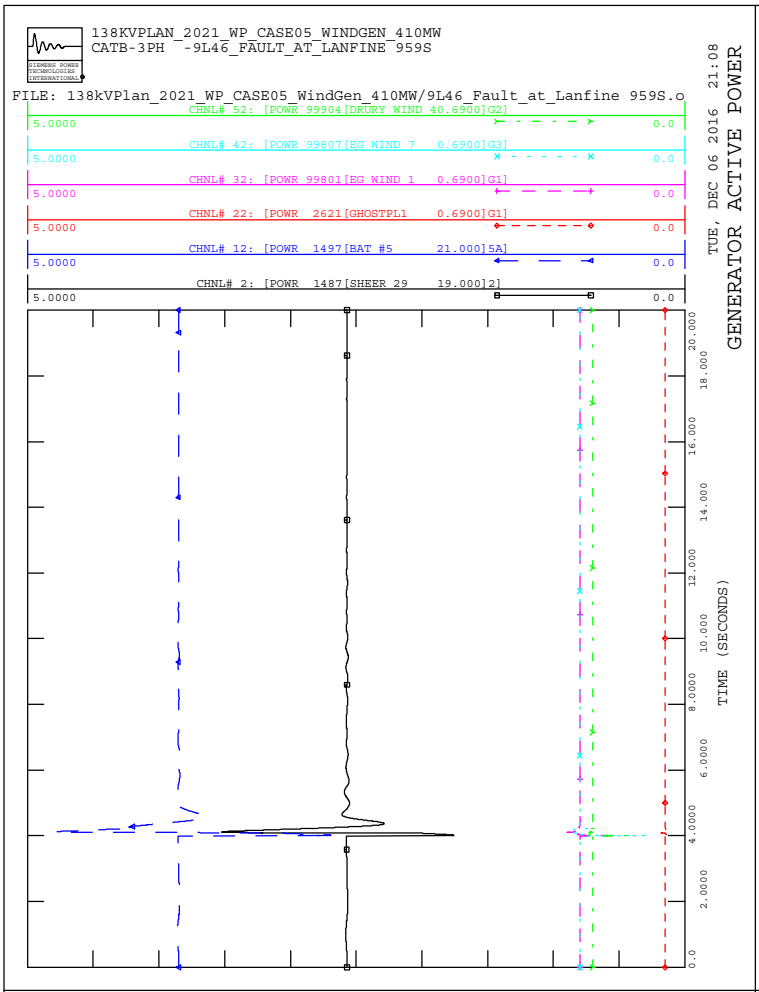
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

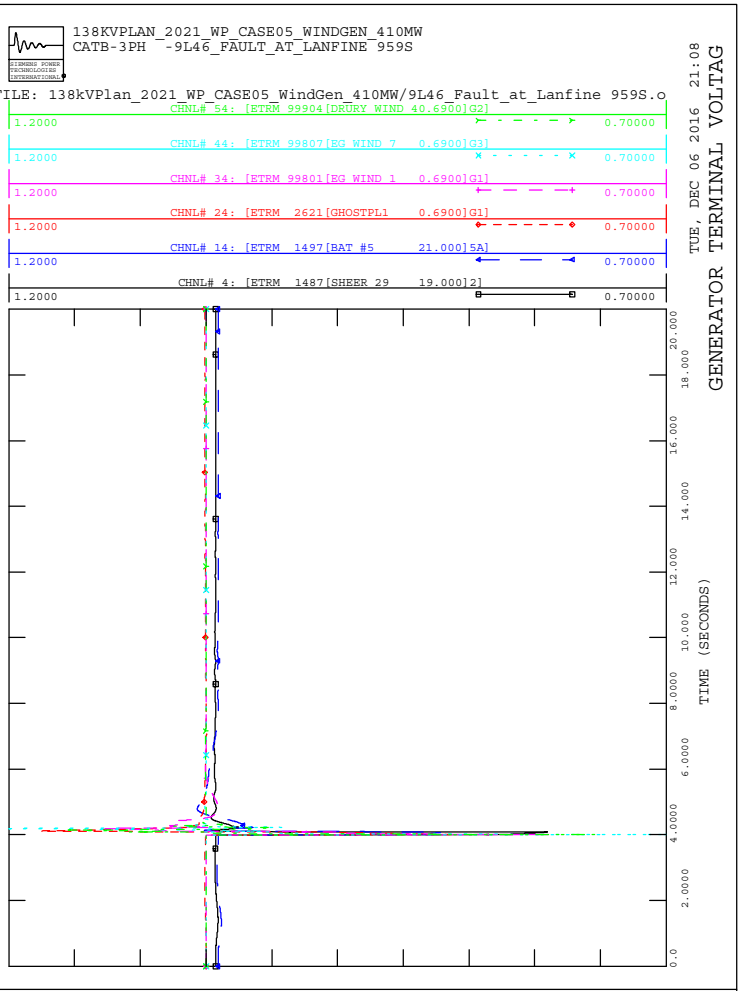
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

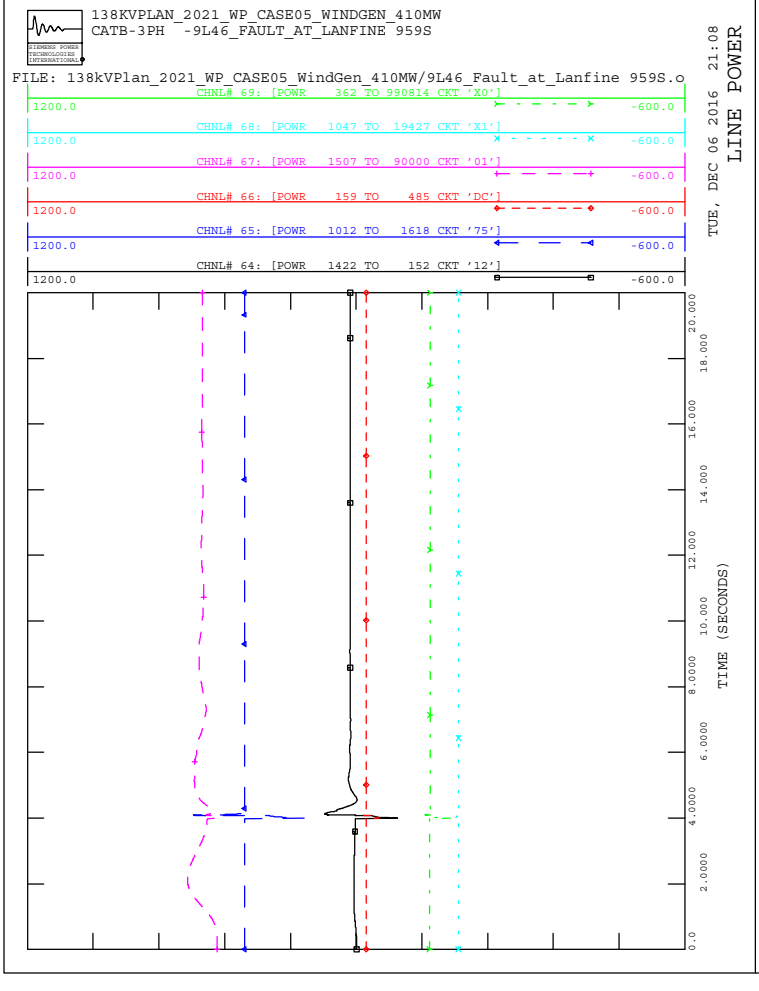
TUE, DEC 06 2016 21:08

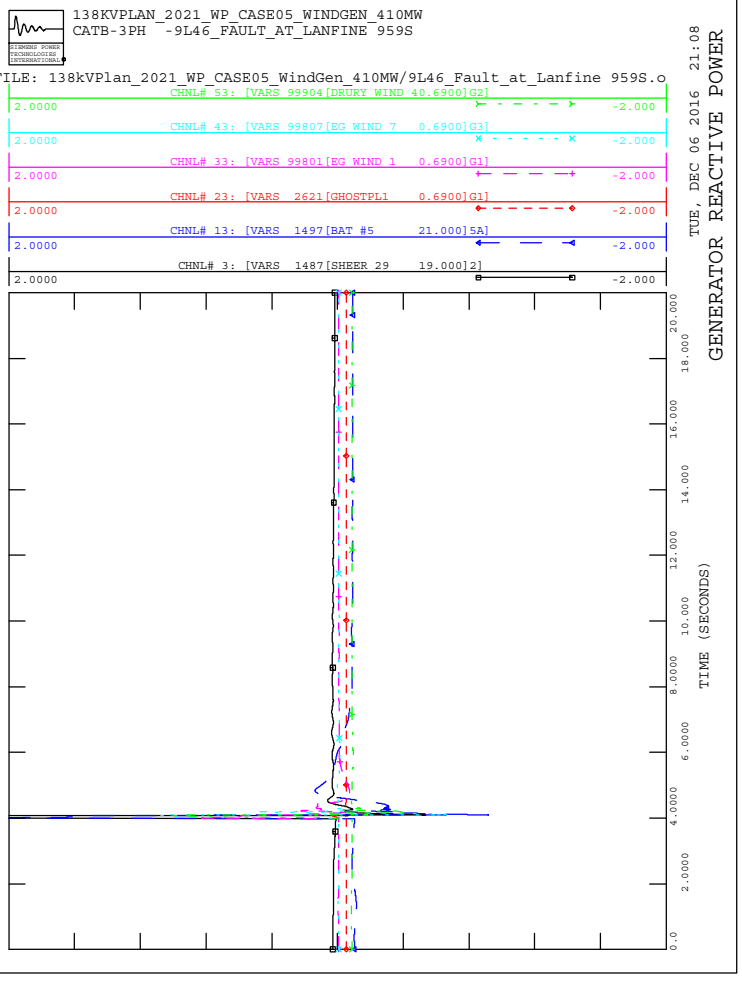
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)

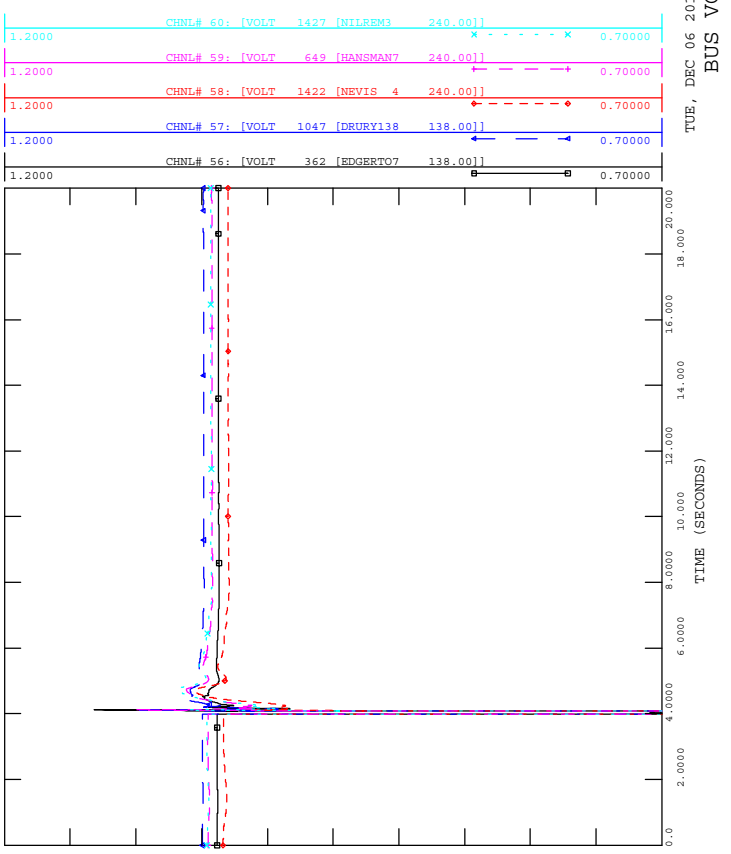

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:08

BUS VOLTAGE

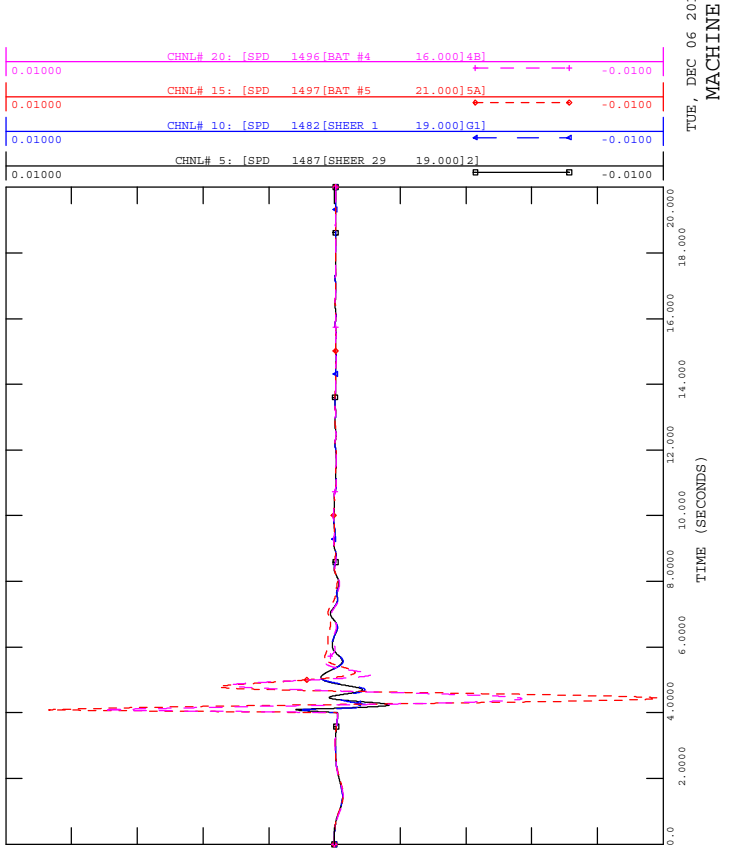


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:08

MACHINE SPEED

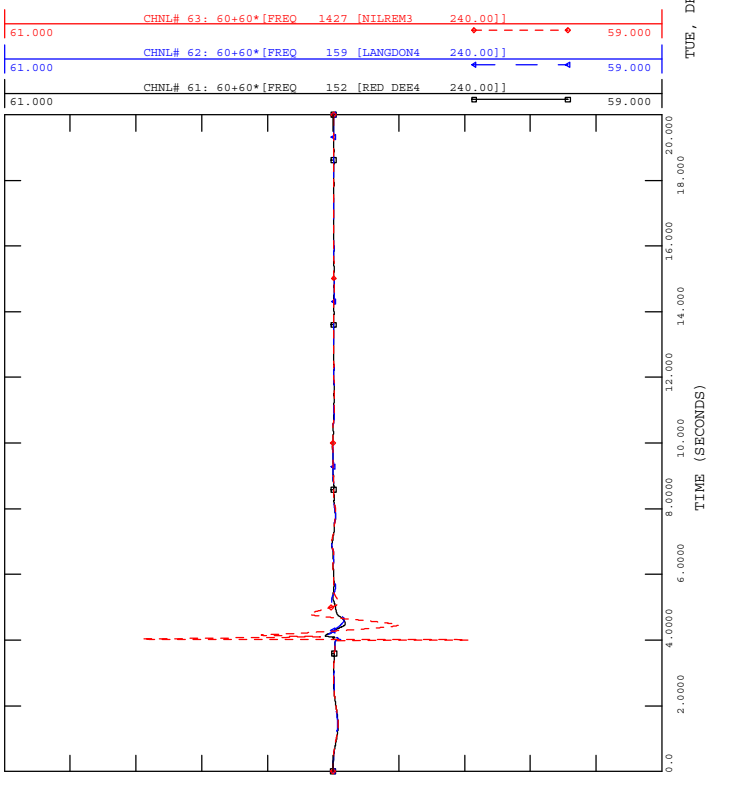


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:08

FREQUENCY

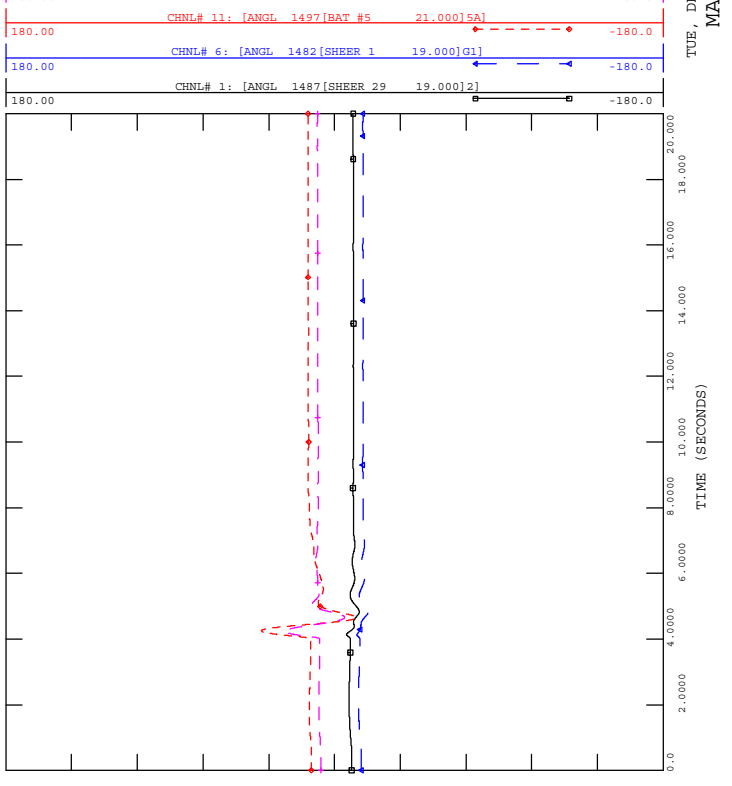


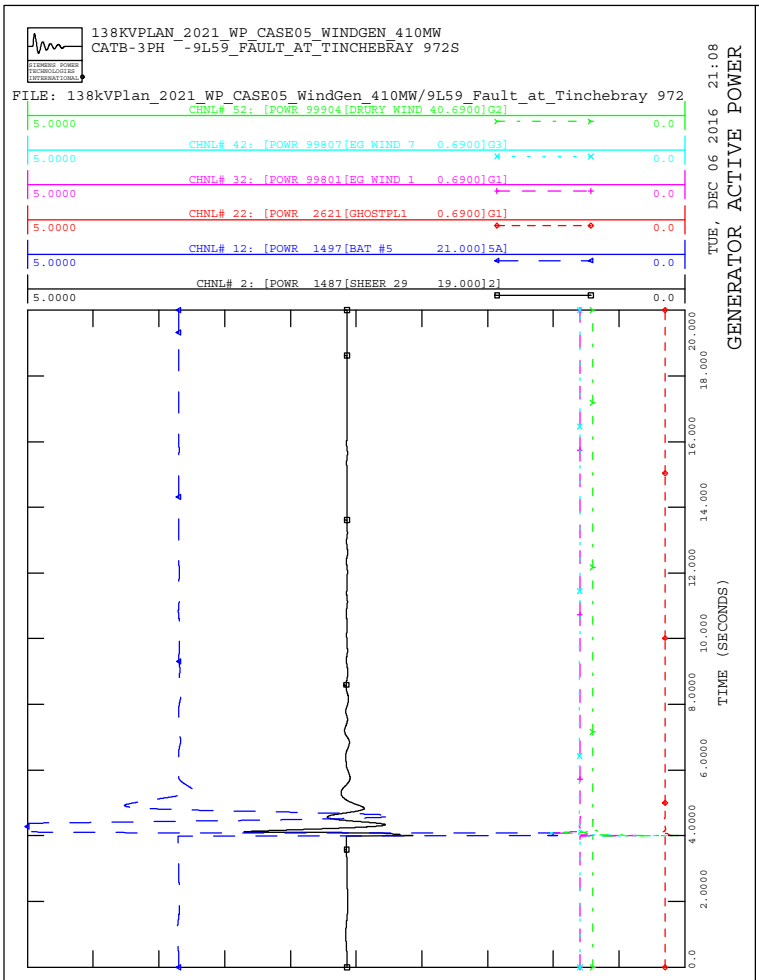
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

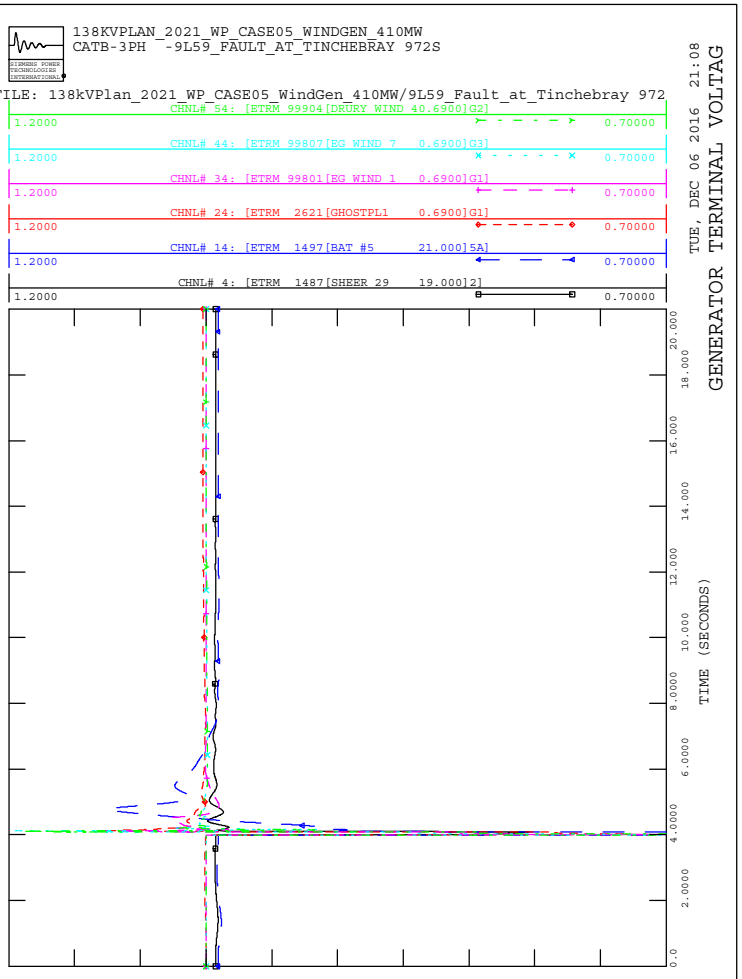
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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8.0000
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12.000
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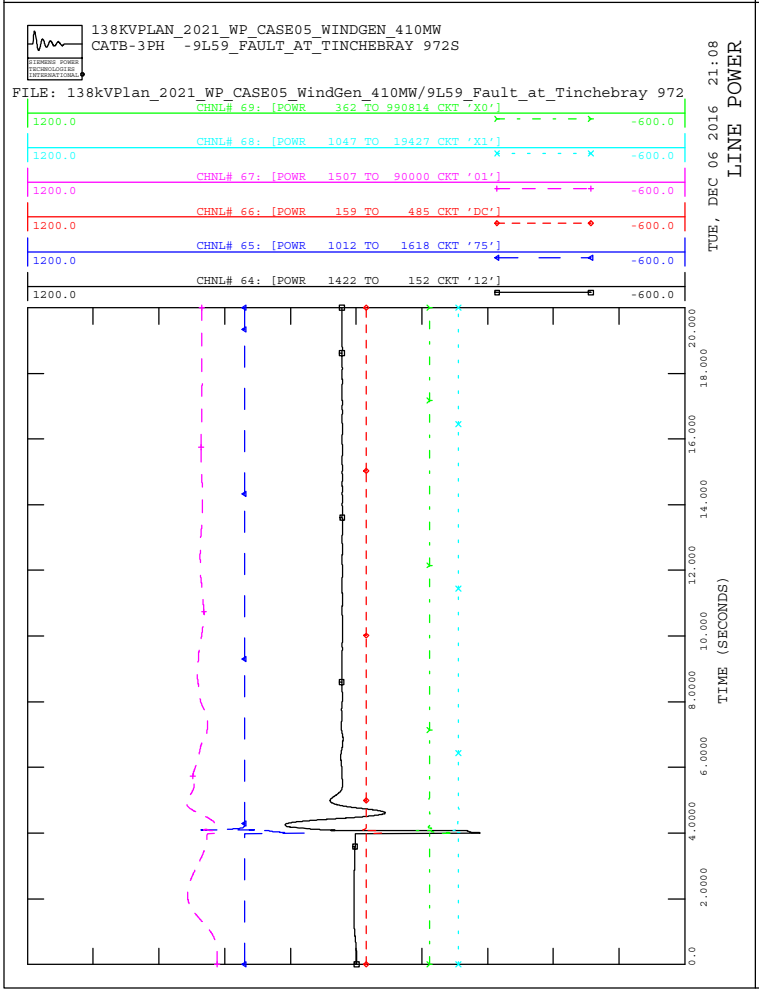
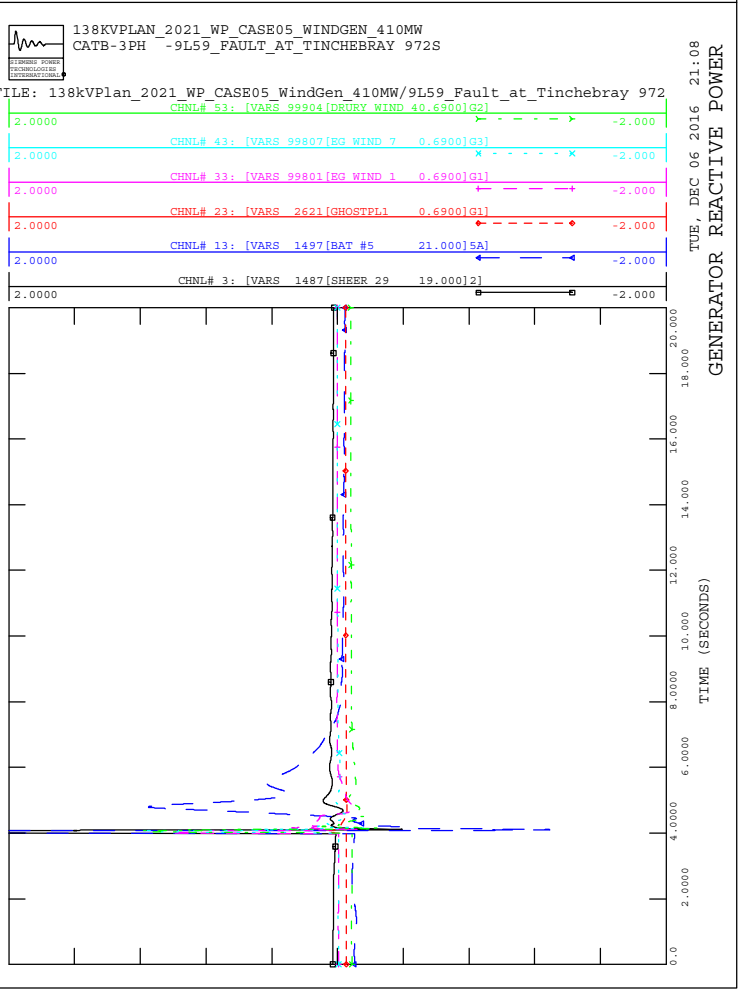
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

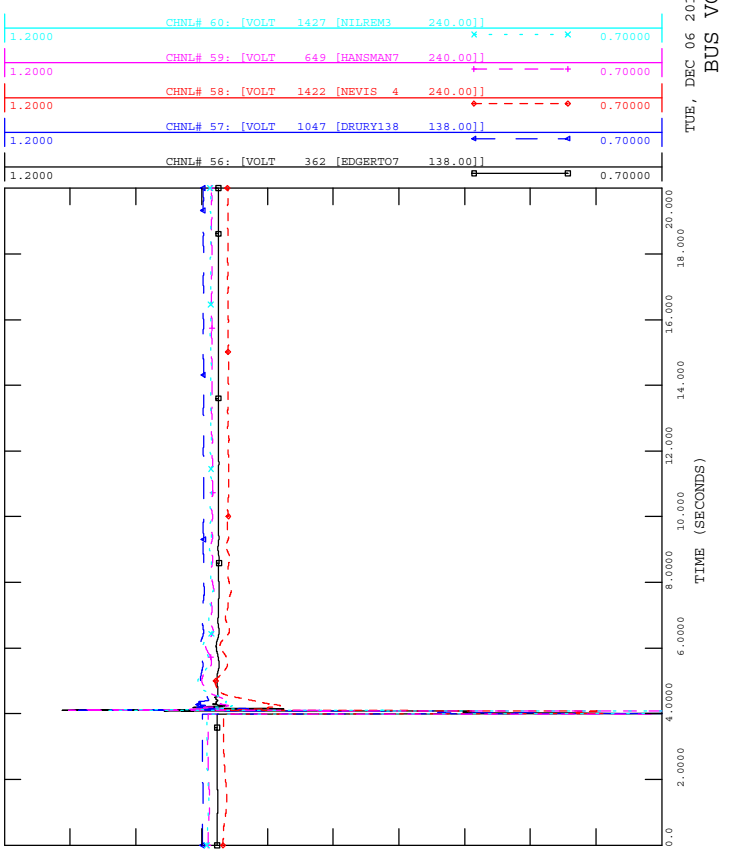

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:08

BUS VOLTAGE

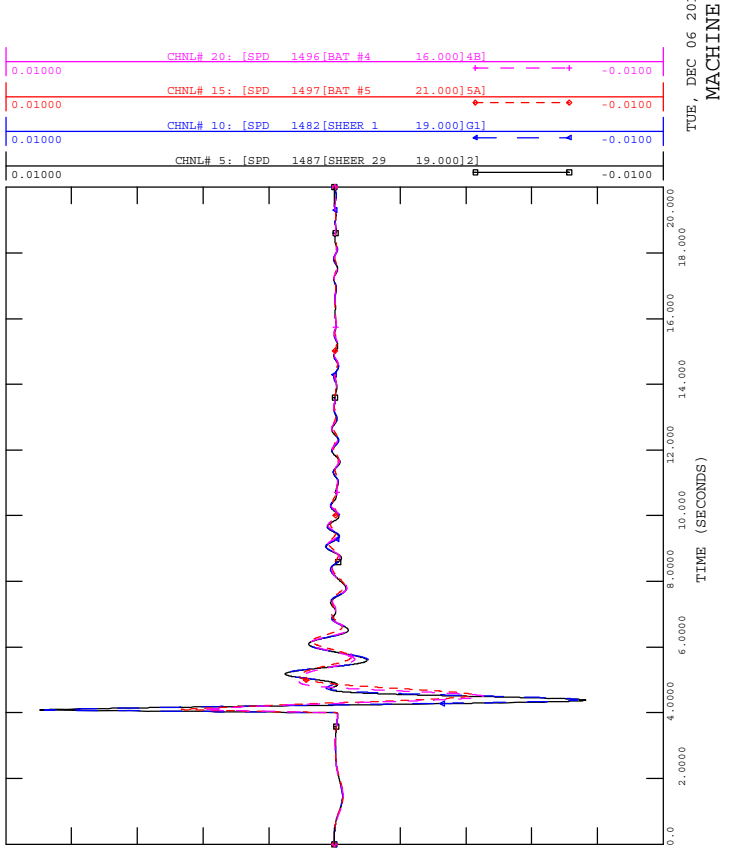


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:08

MACHINE SPEED

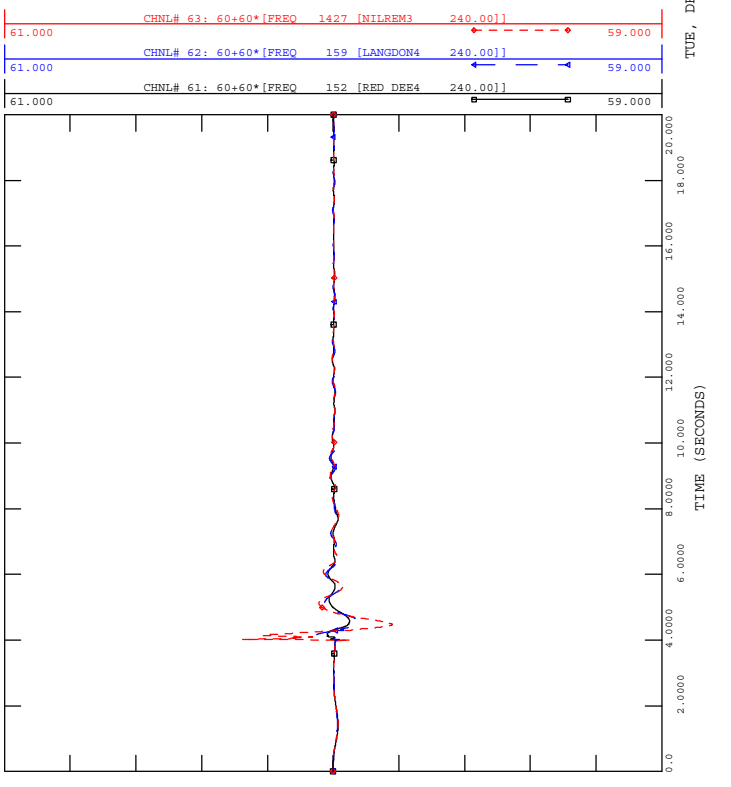


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:08

FREQUENCY

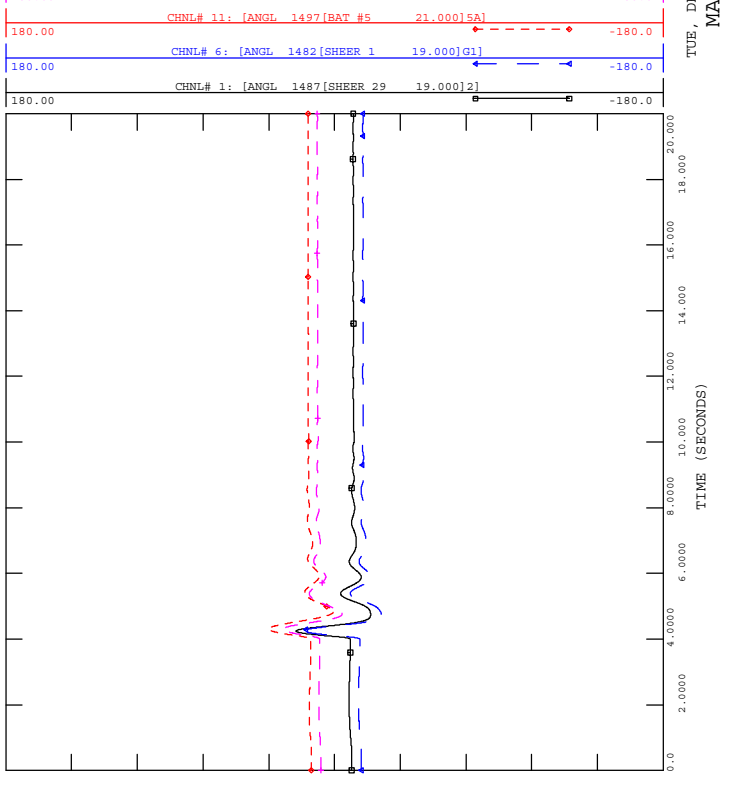


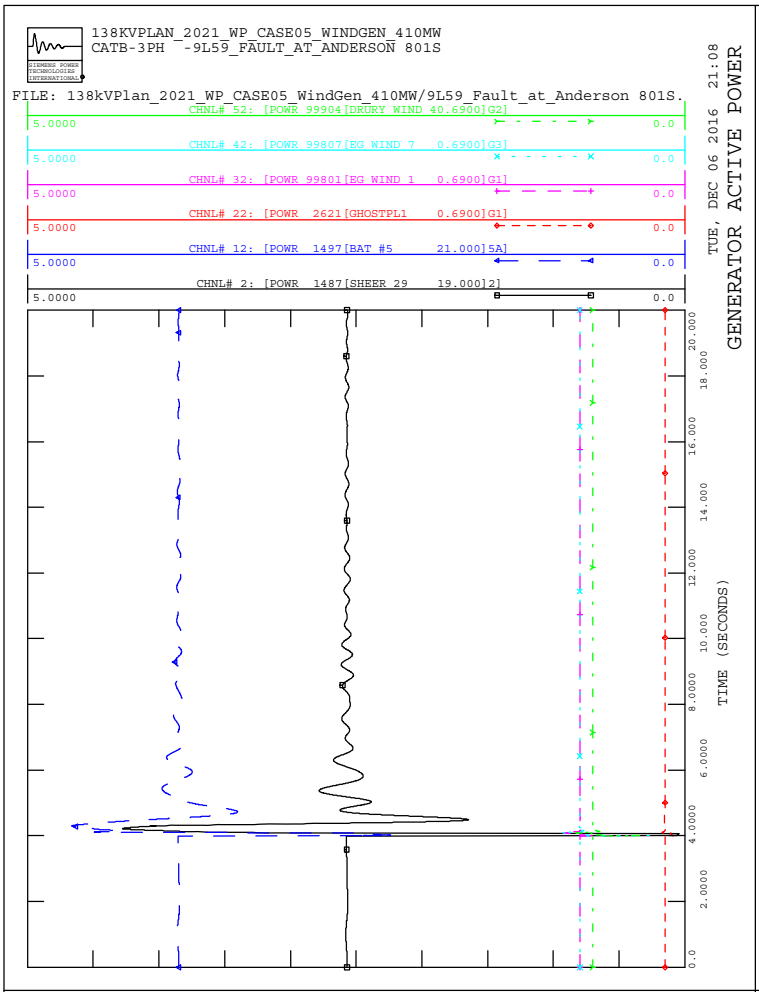
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

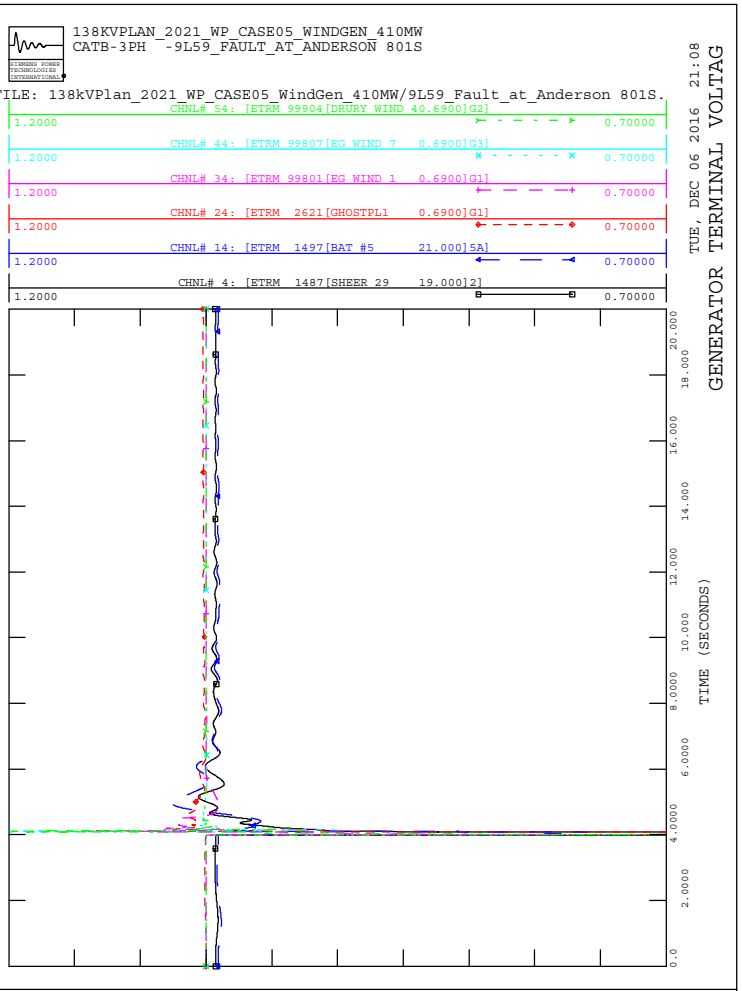
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.

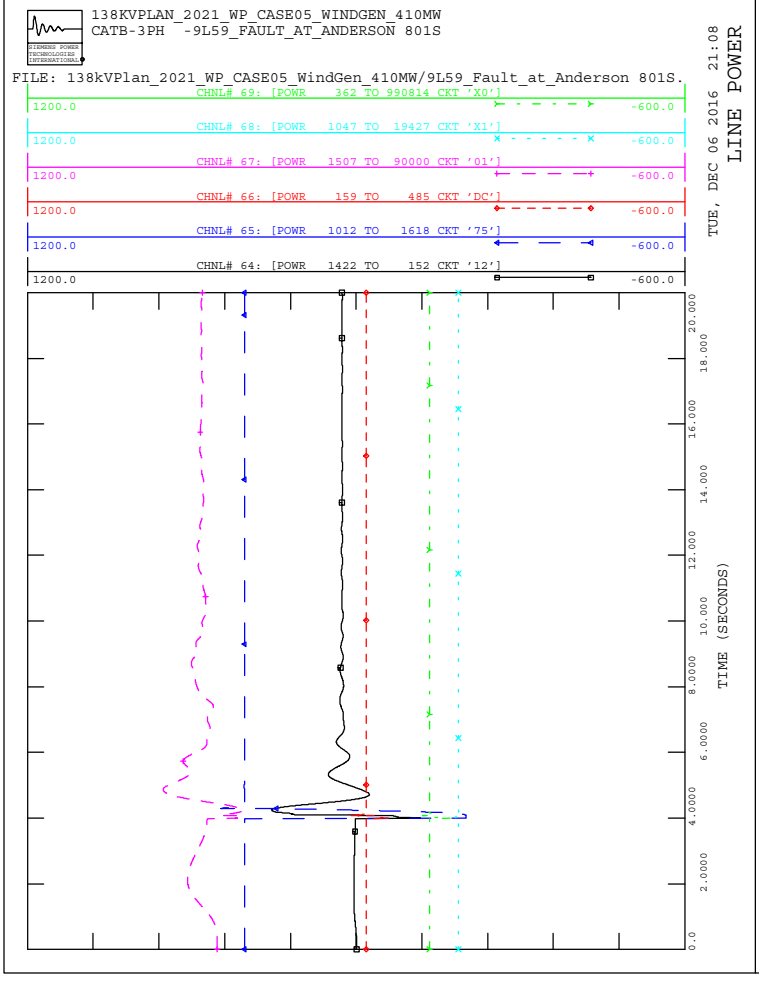
TUE, DEC 06 2016 21:08

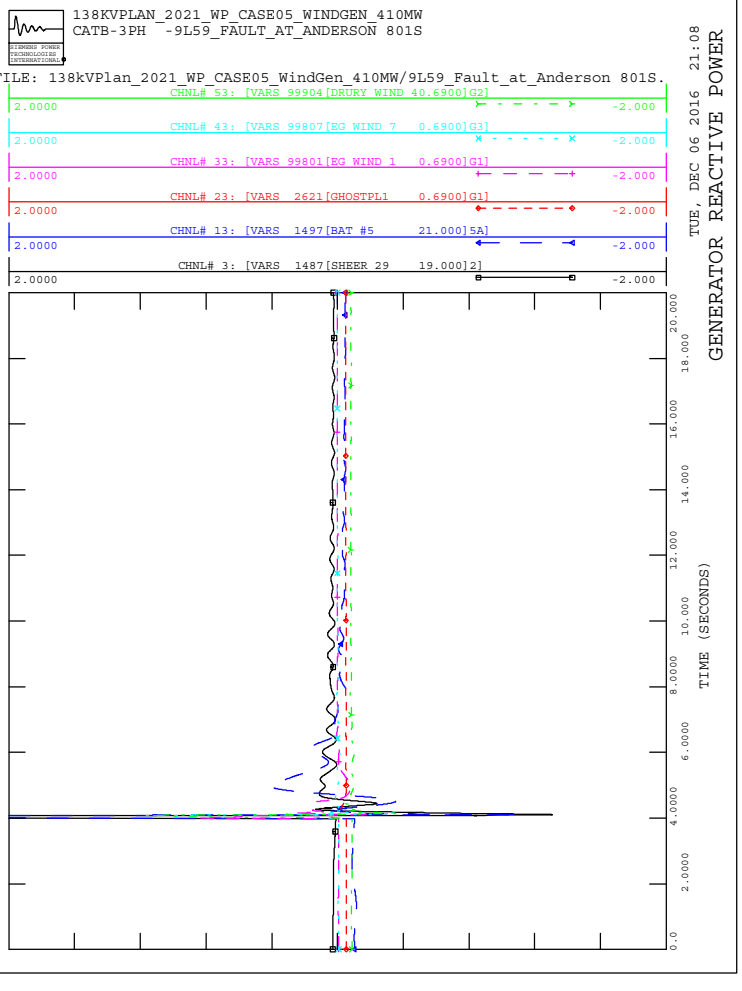
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:08
LINE POWER


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
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10.000
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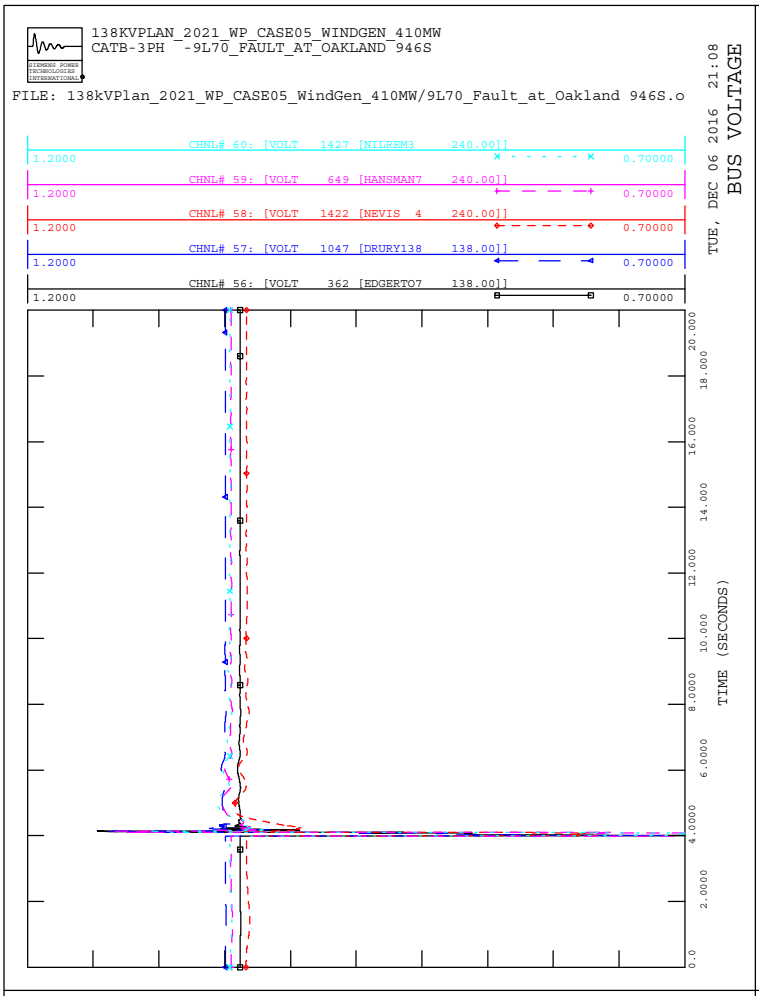
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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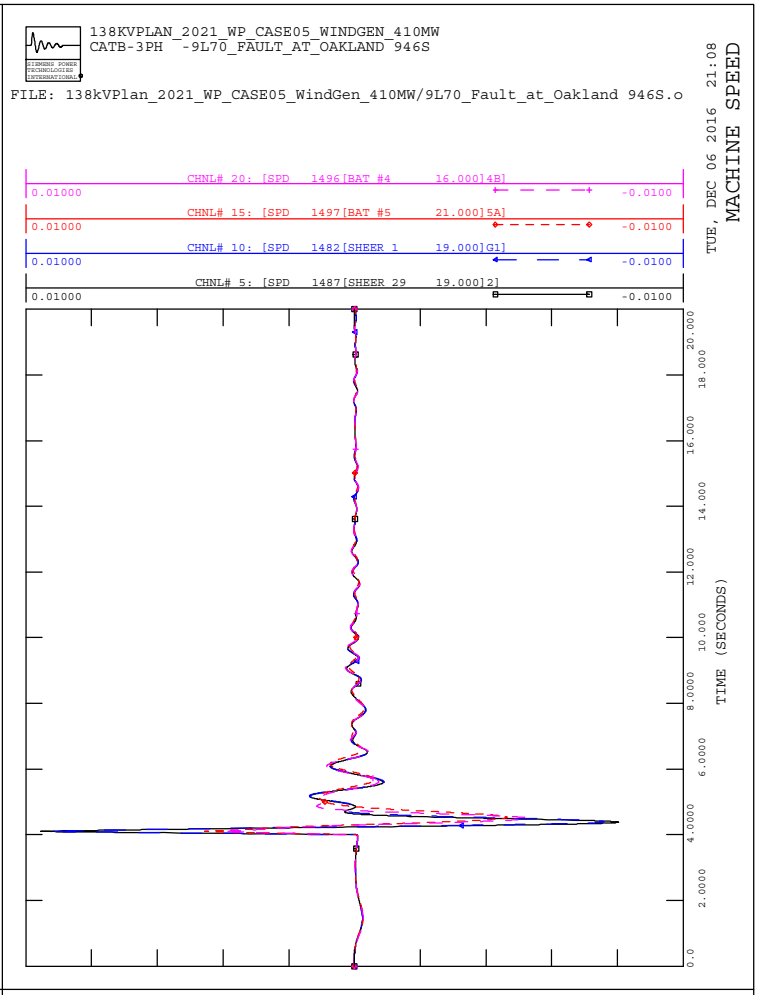
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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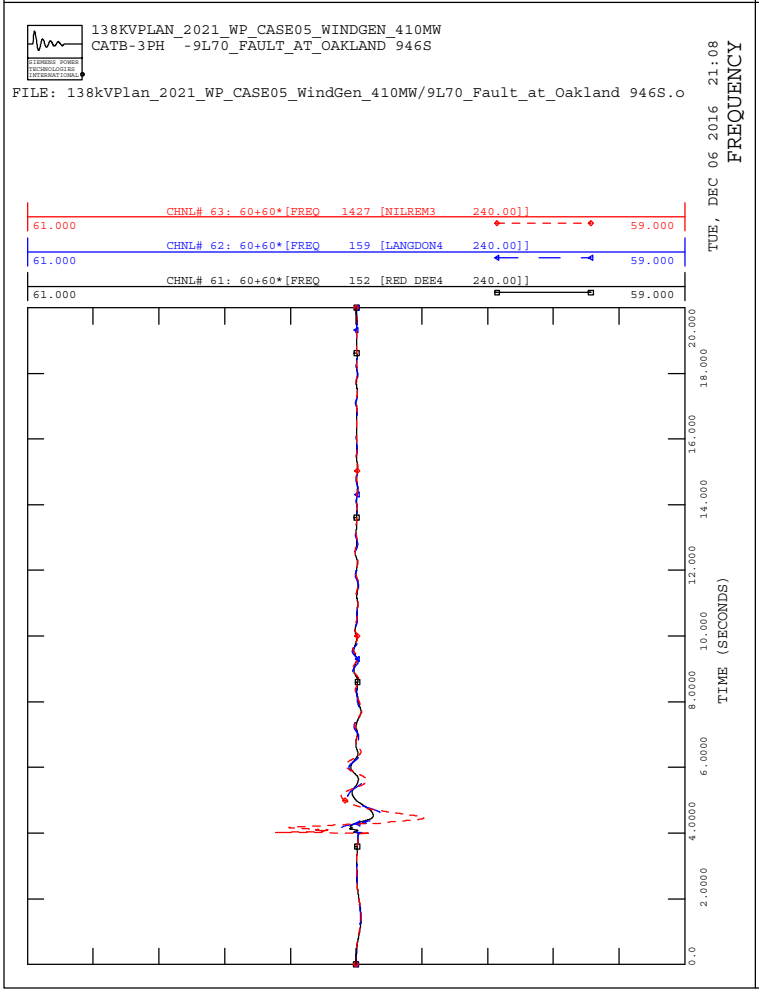
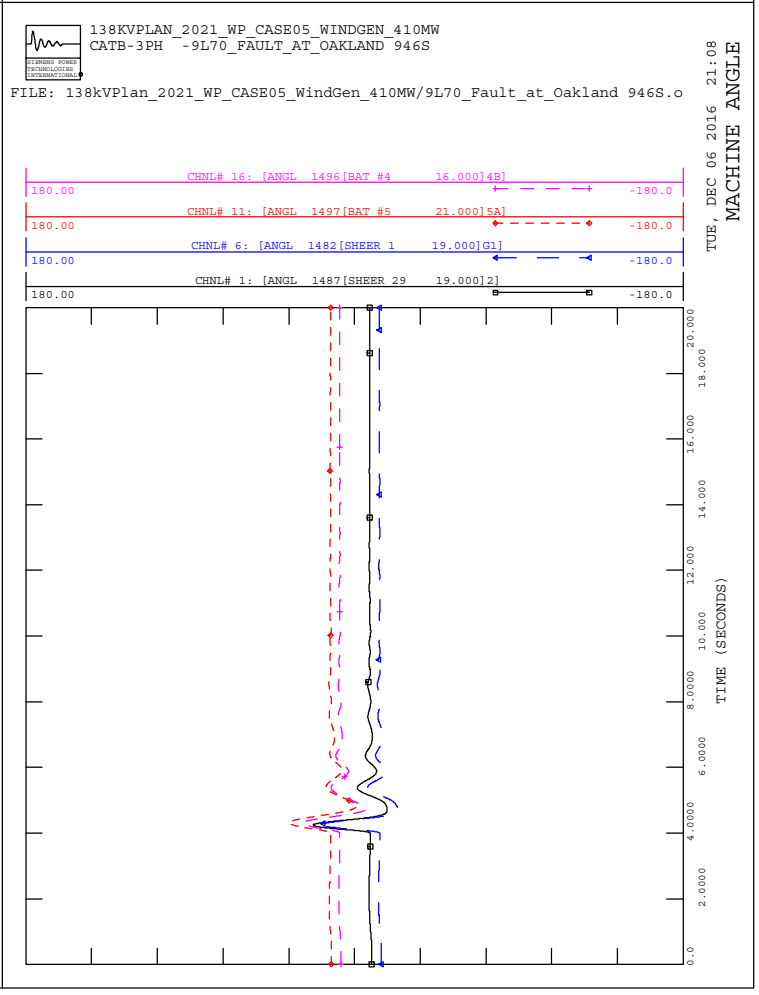
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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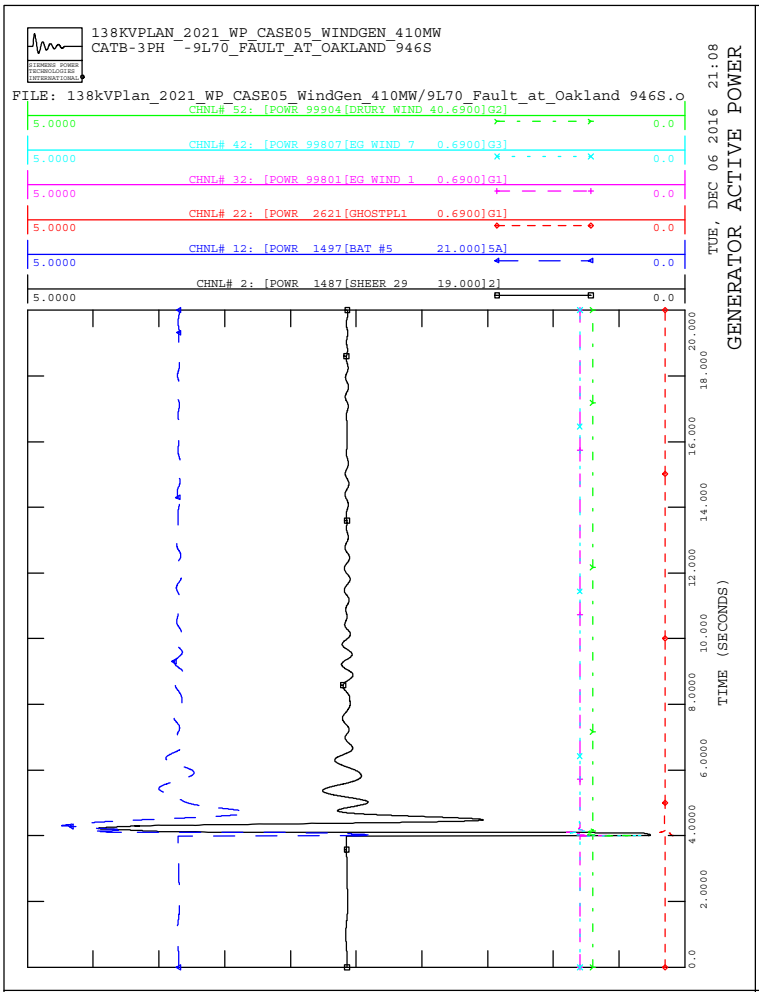
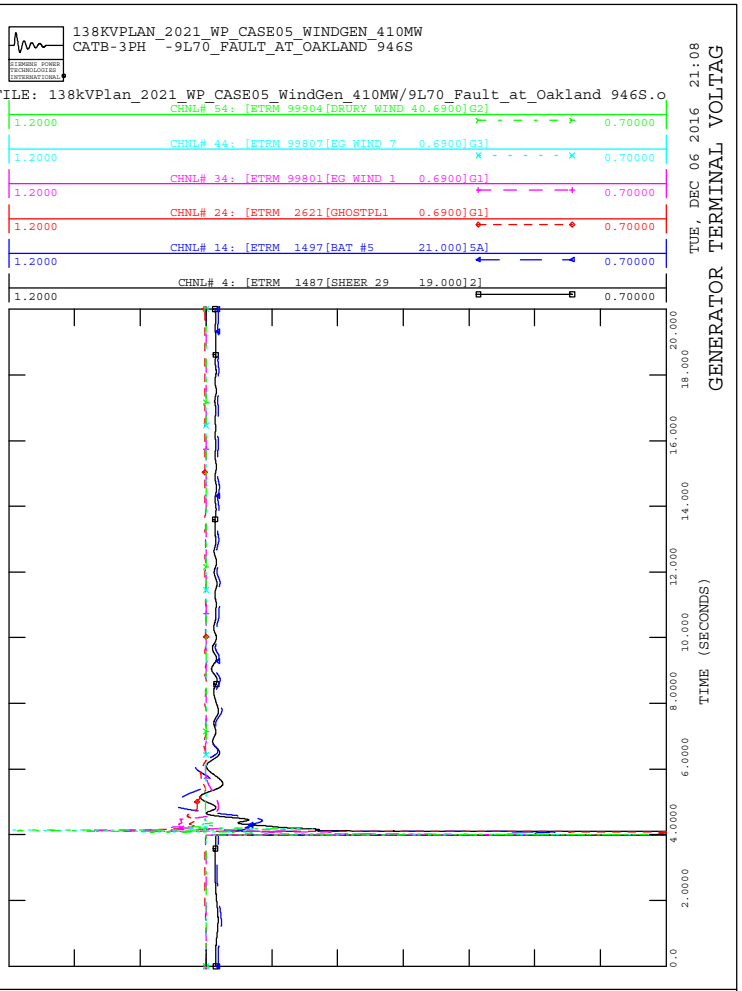
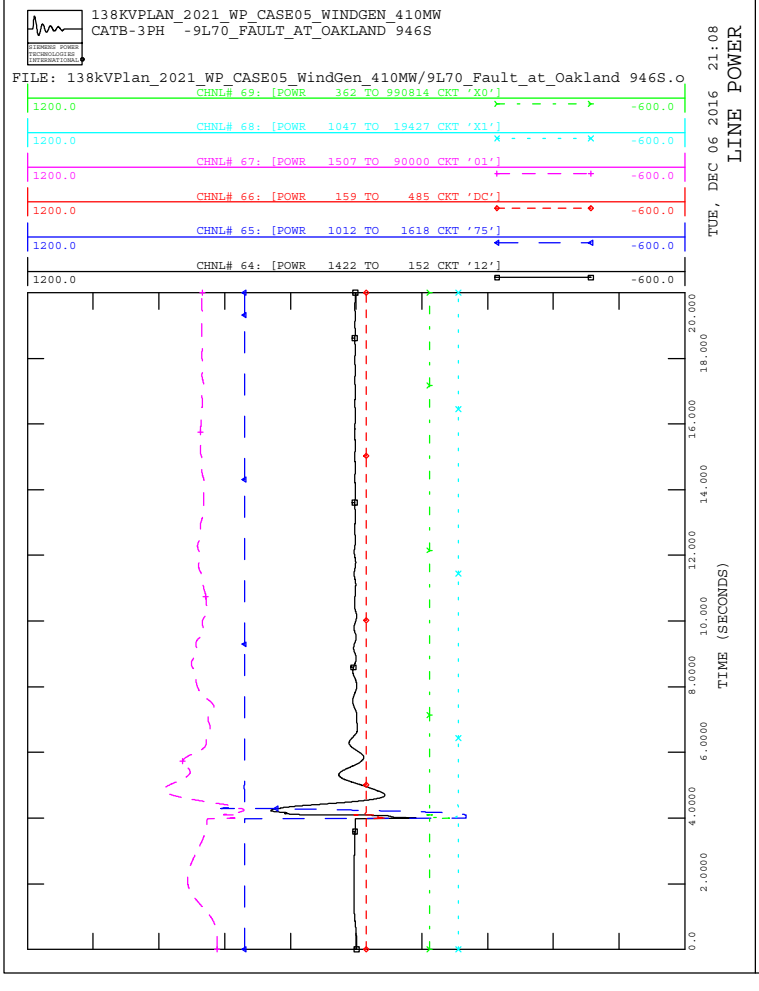
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
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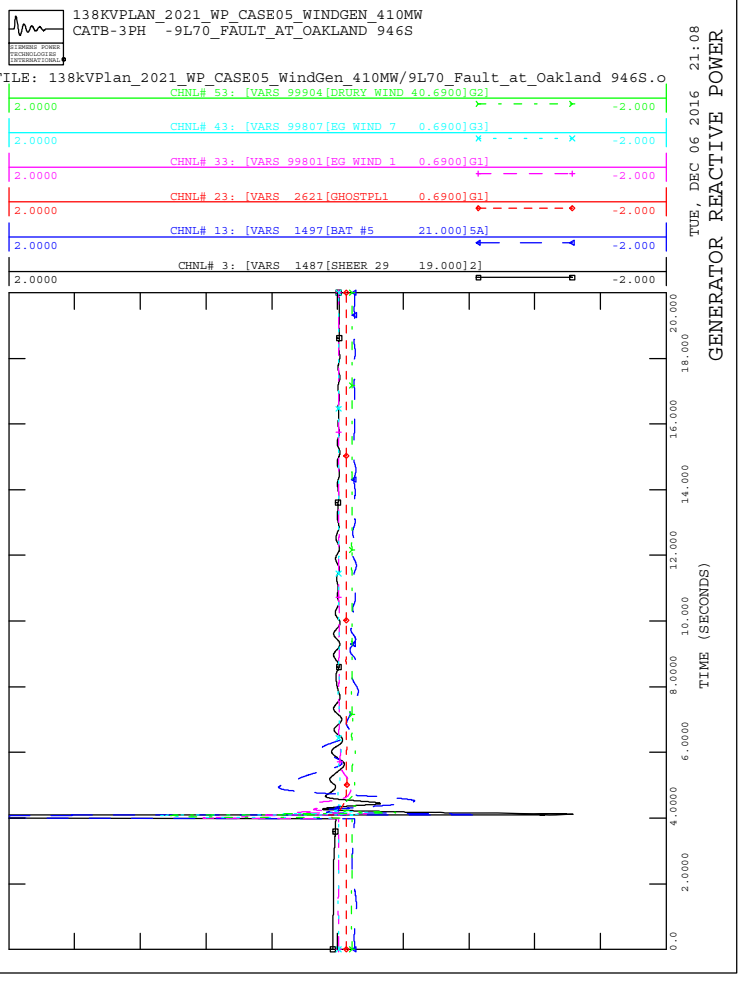
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

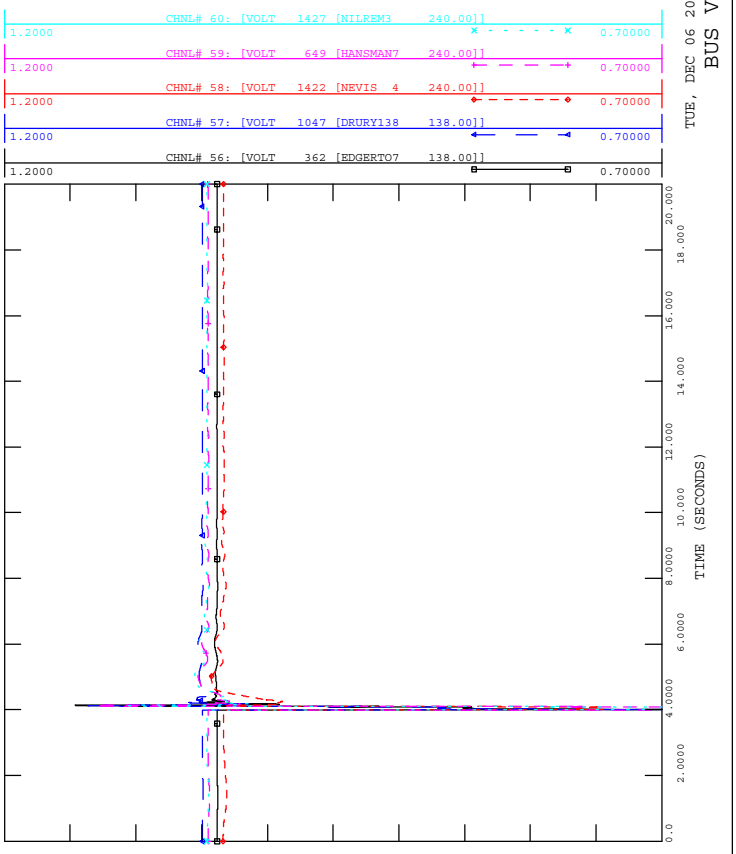

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:08

BUS VOLTAGE

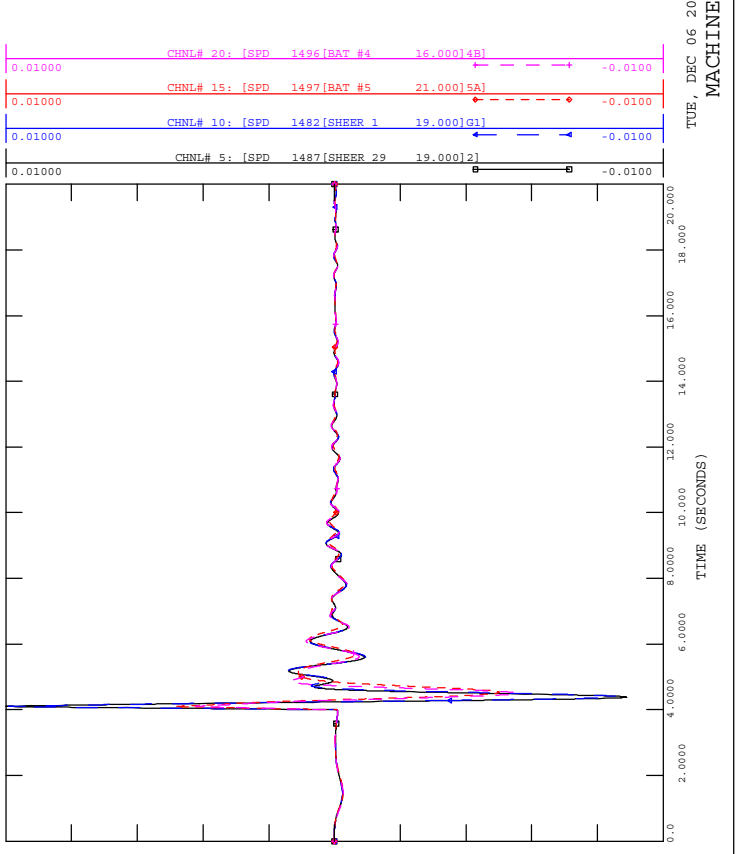


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:08

MACHINE SPEED

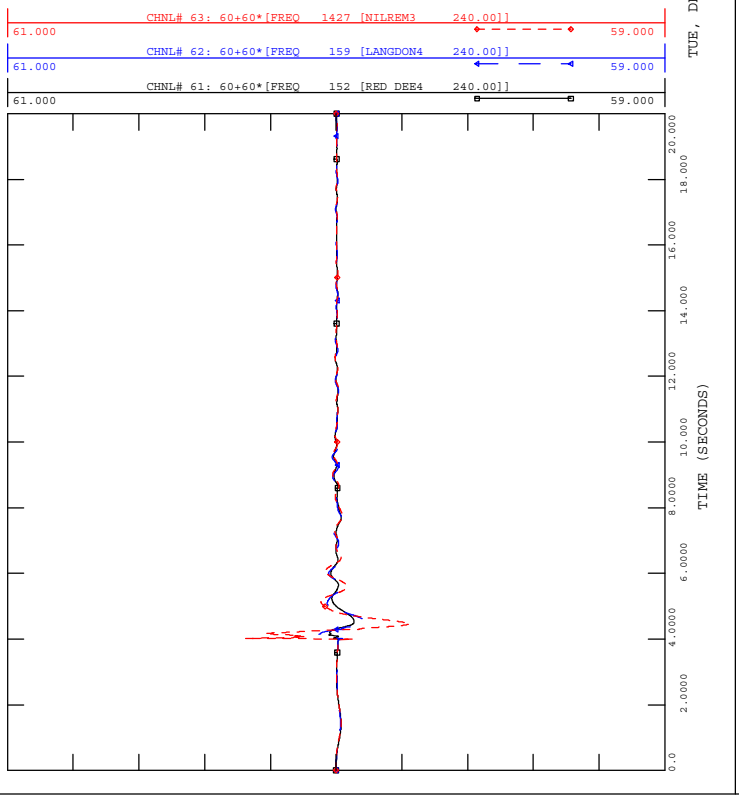


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:08

FREQUENCY

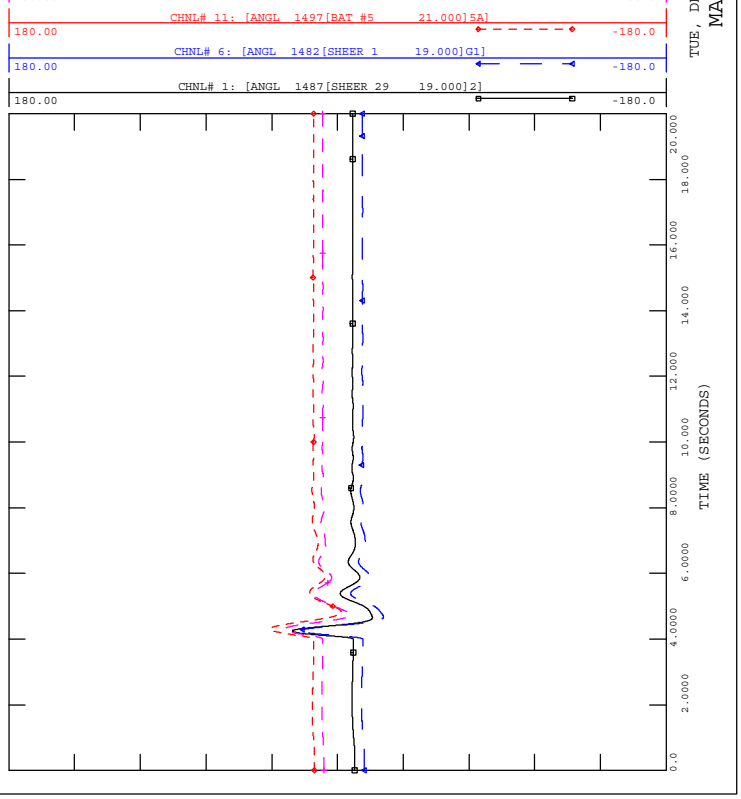


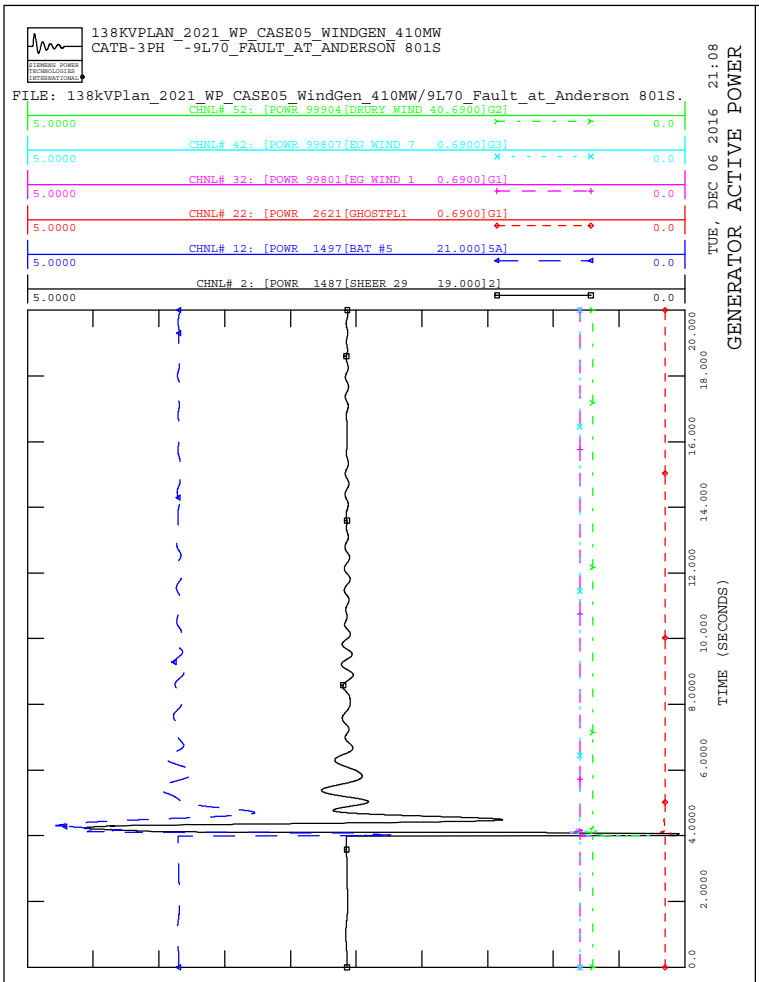
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

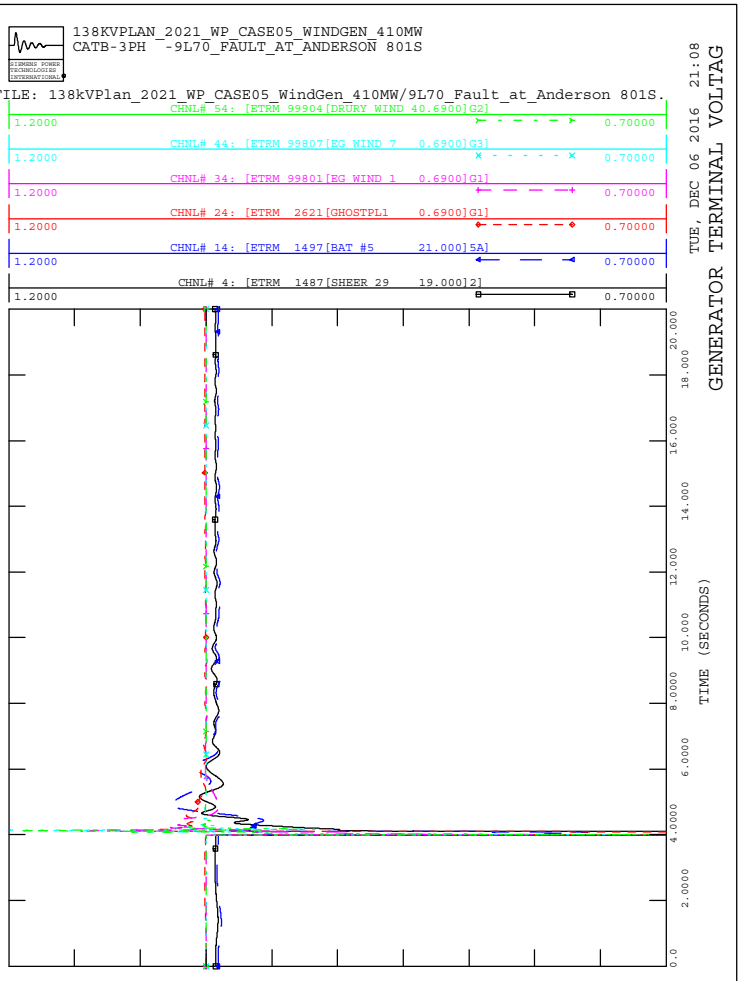
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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16.000
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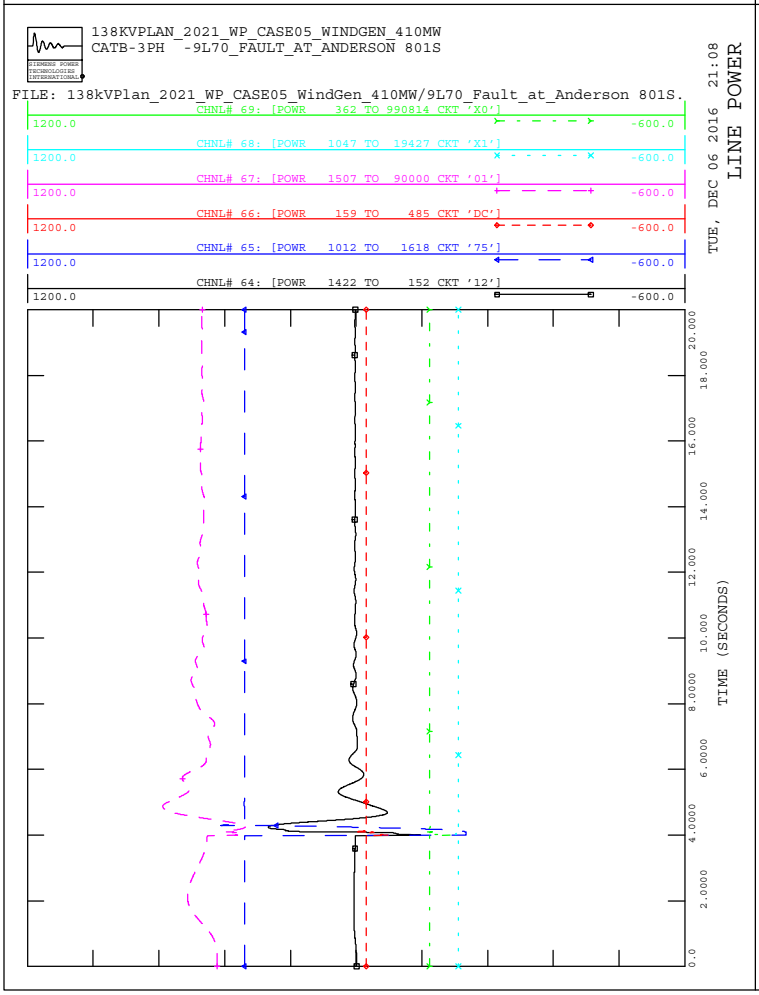
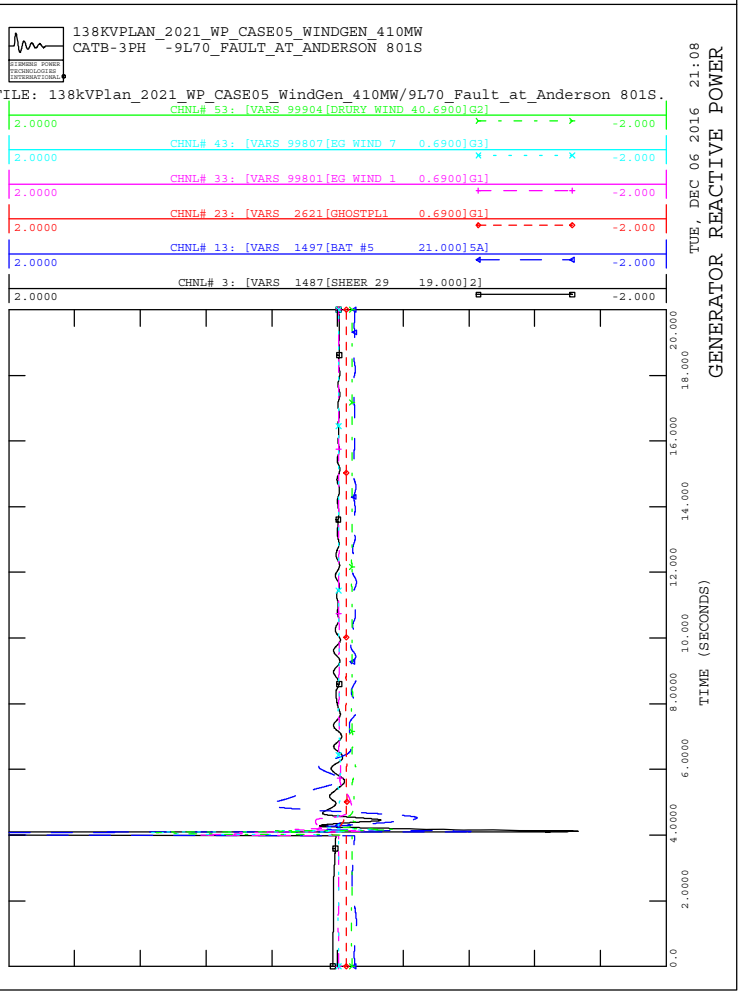
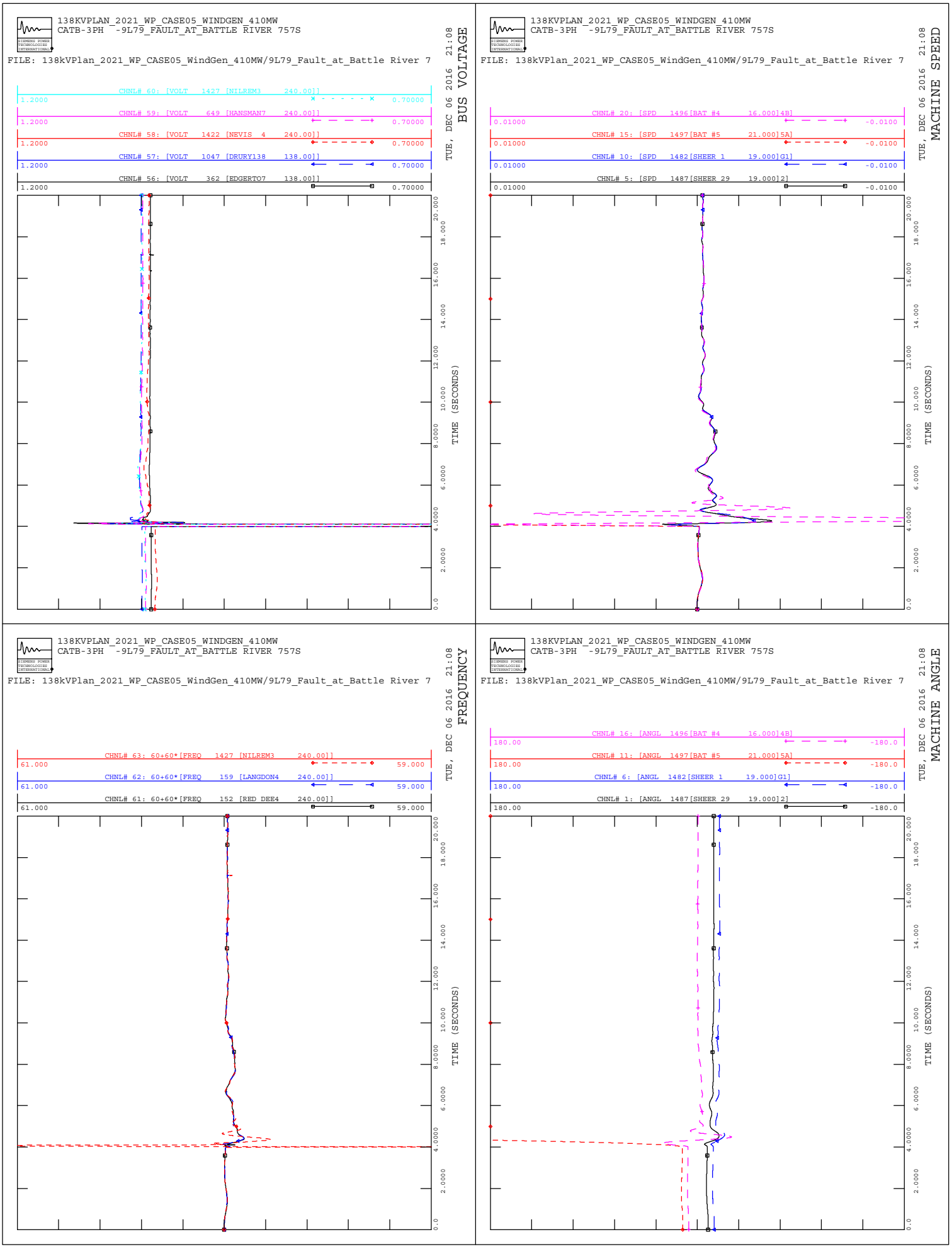
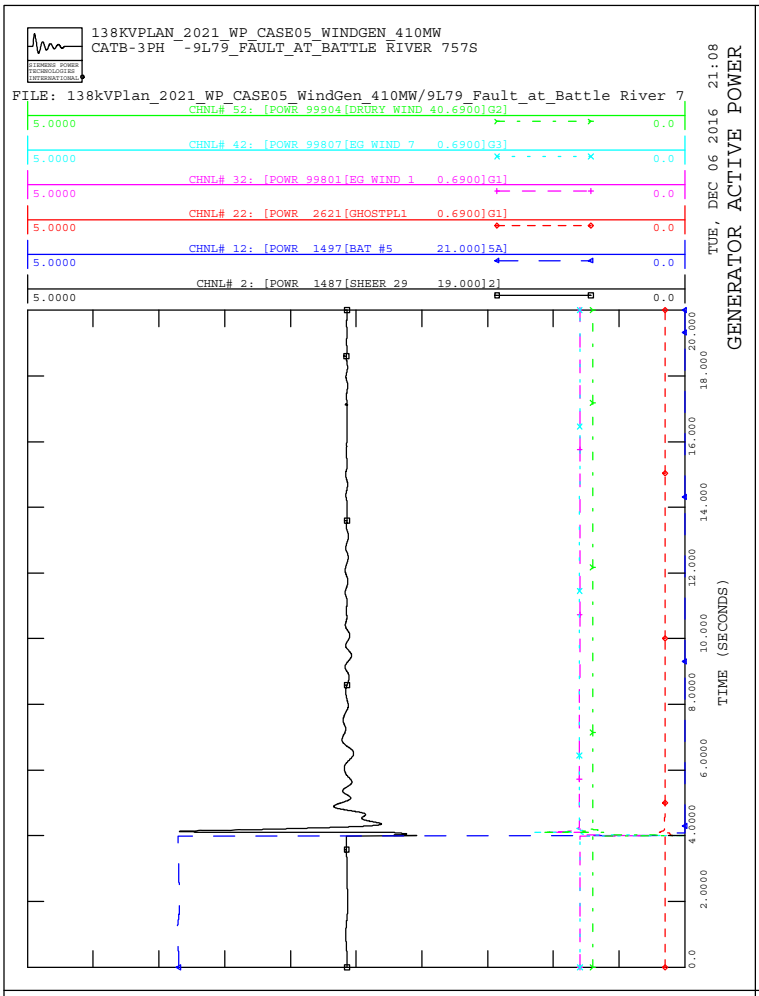
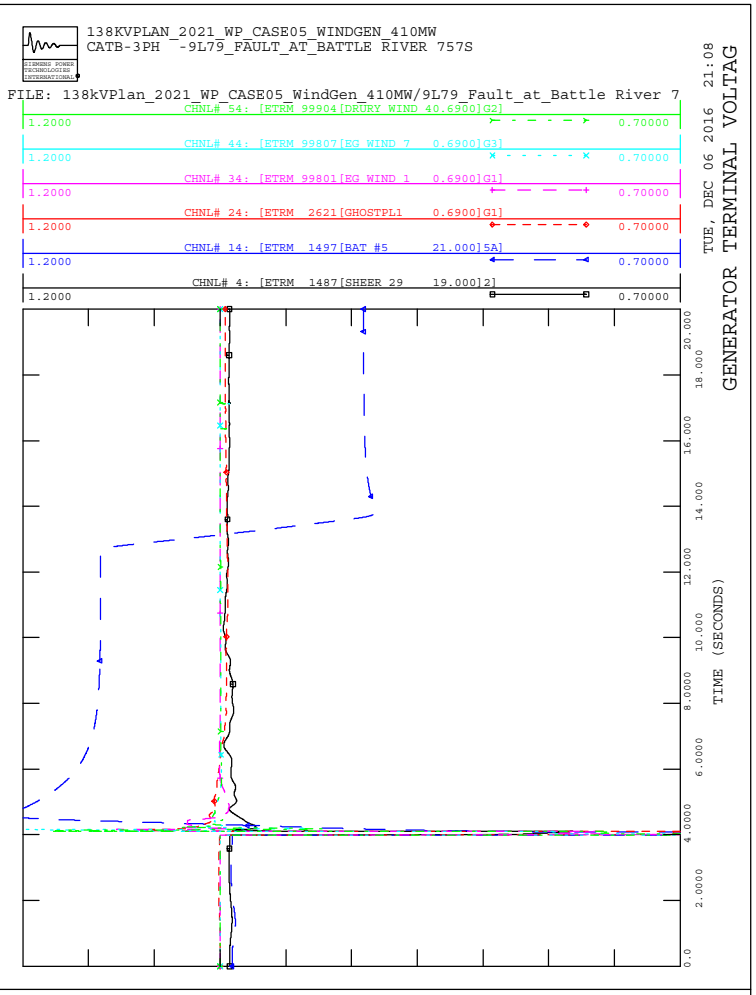
20.000

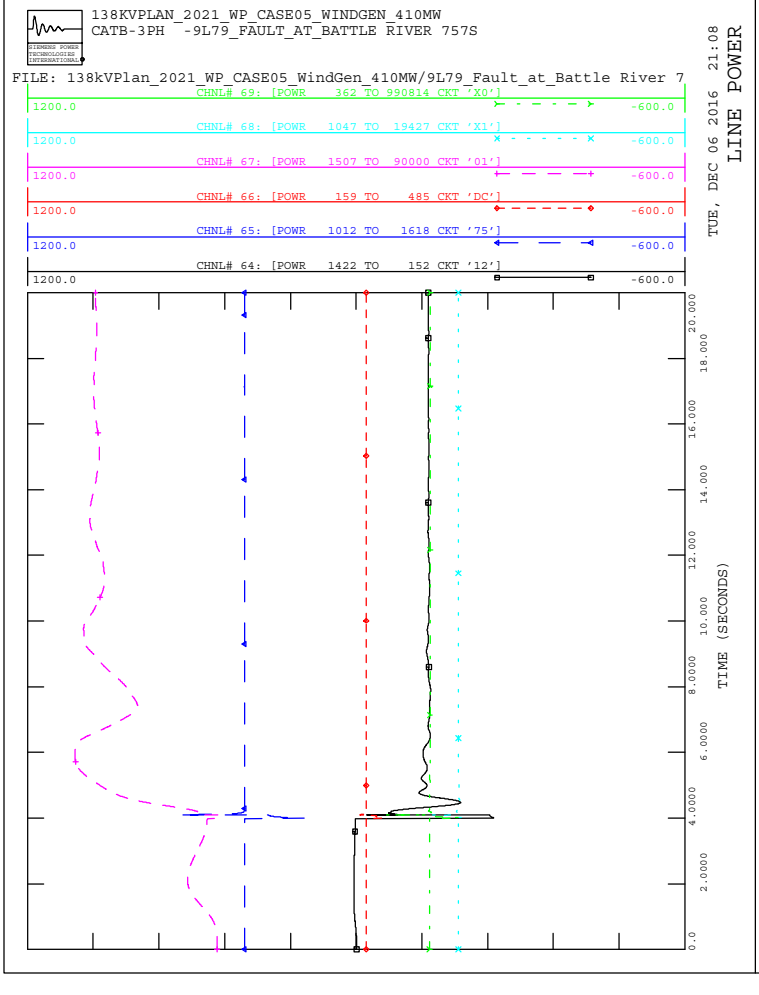

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

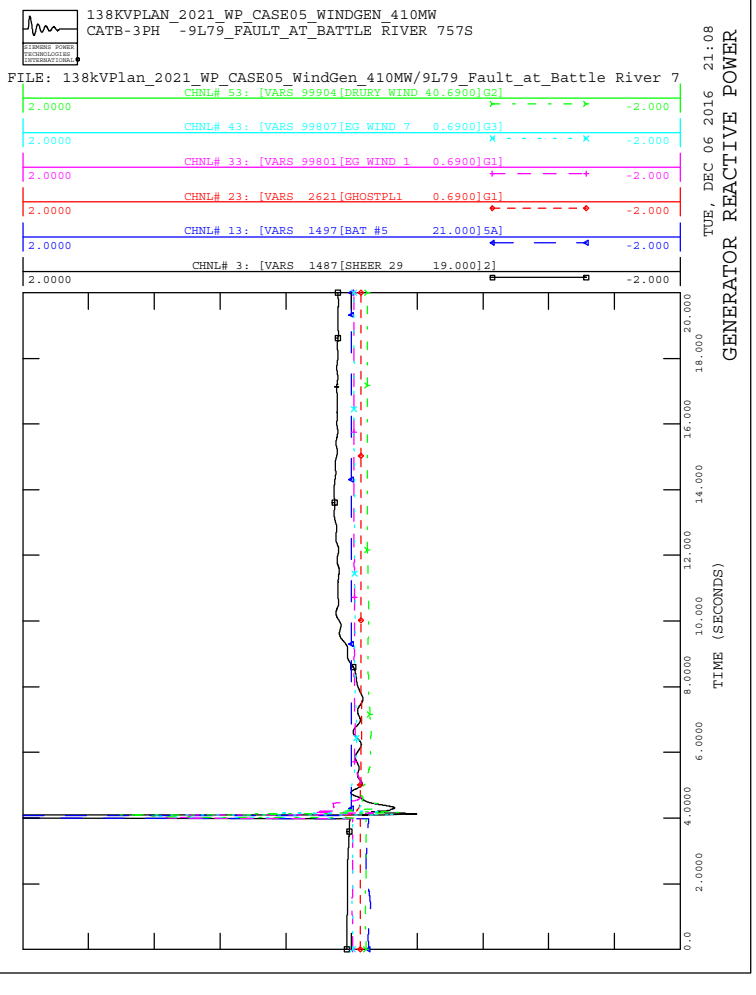

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7
TUE, DEC 06 2016 21:08
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7
TUE, DEC 06 2016 21:08
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7
TUE, DEC 06 2016 21:08
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7
TUE, DEC 06 2016 21:08
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)

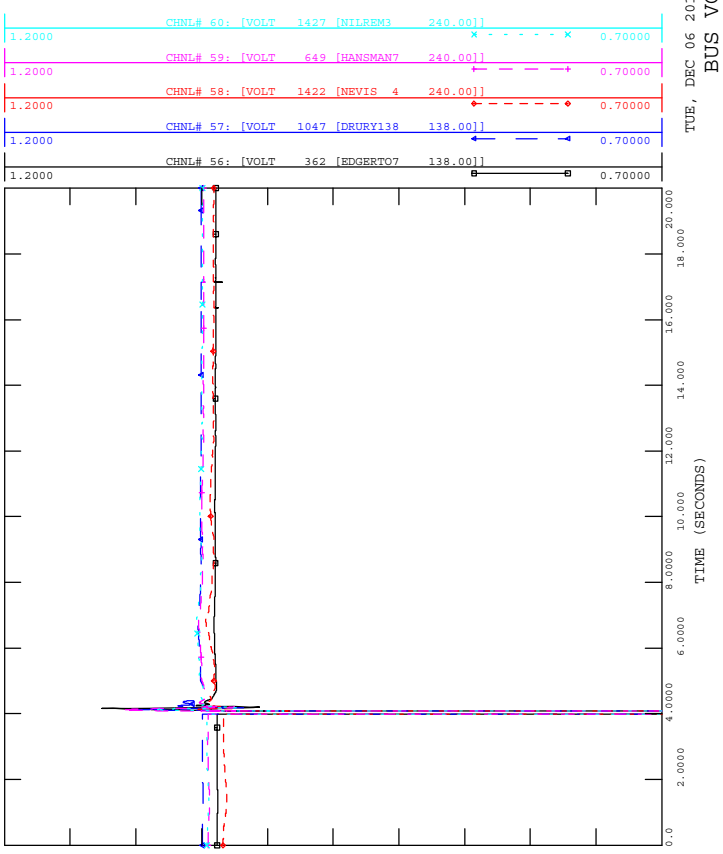

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

BUS VOLTAGE

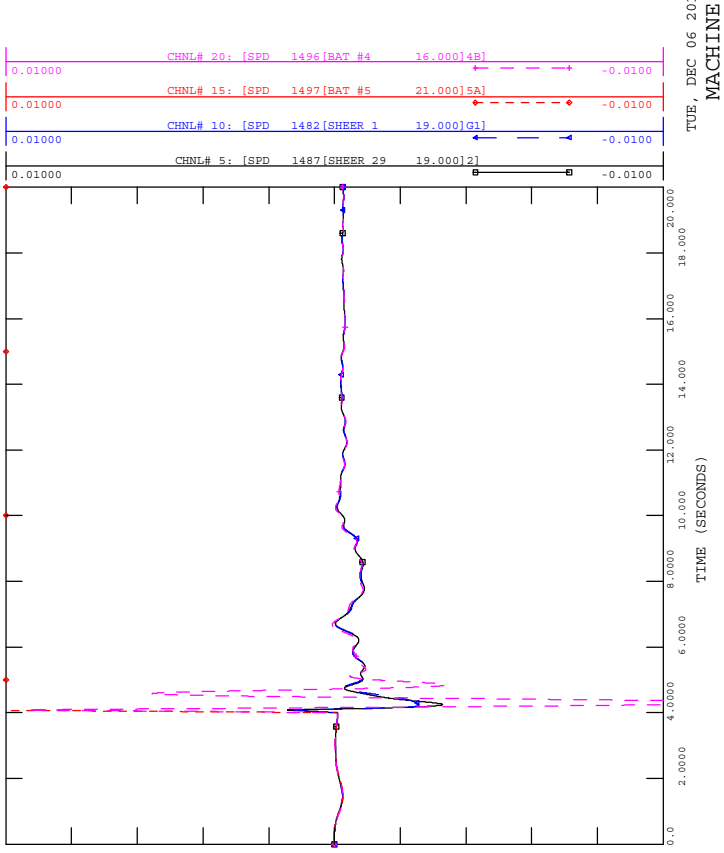


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

MACHINE SPEED

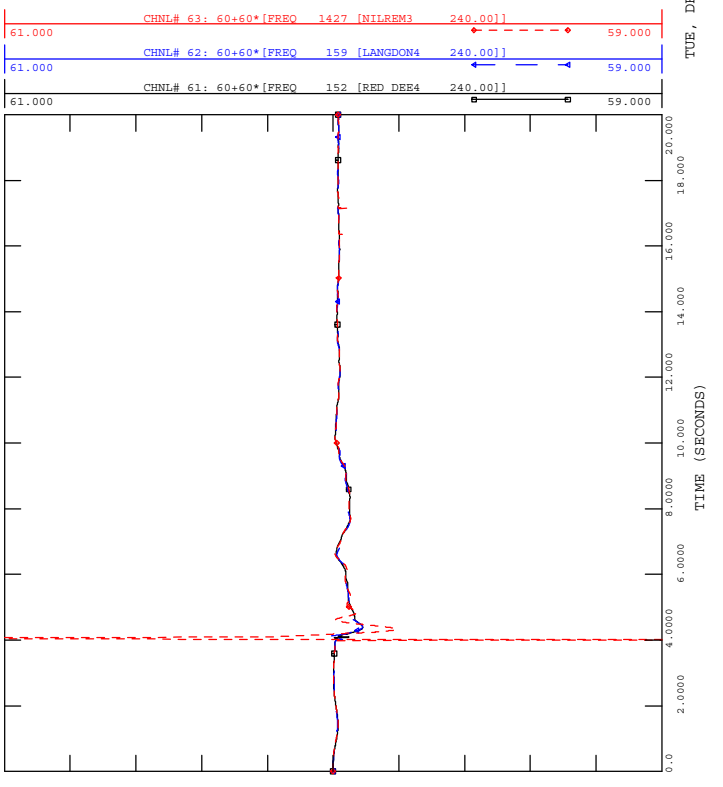


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

FREQUENCY

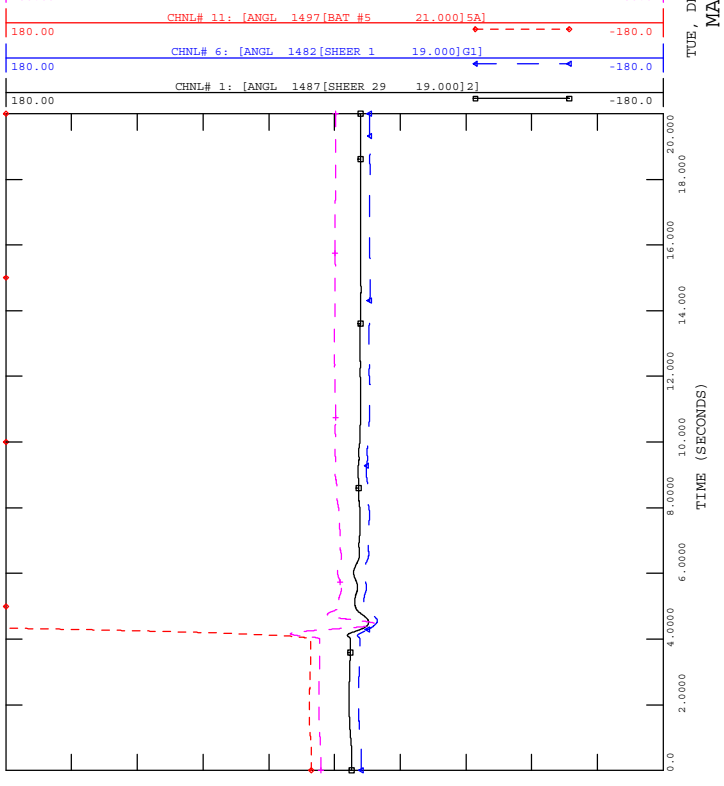


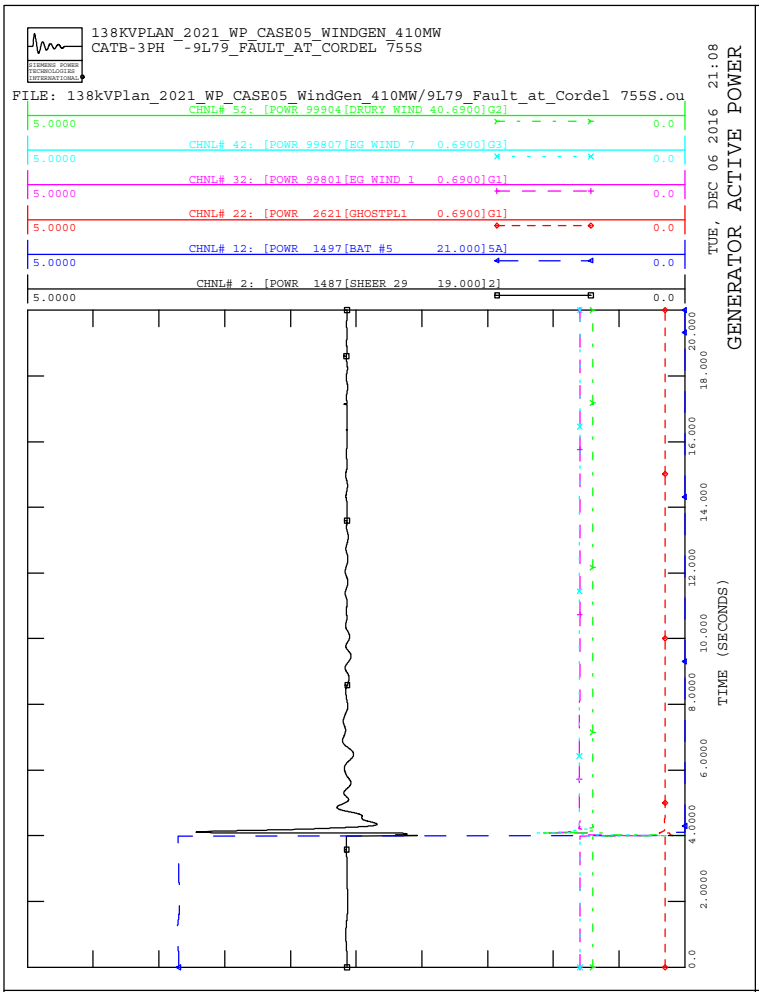
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

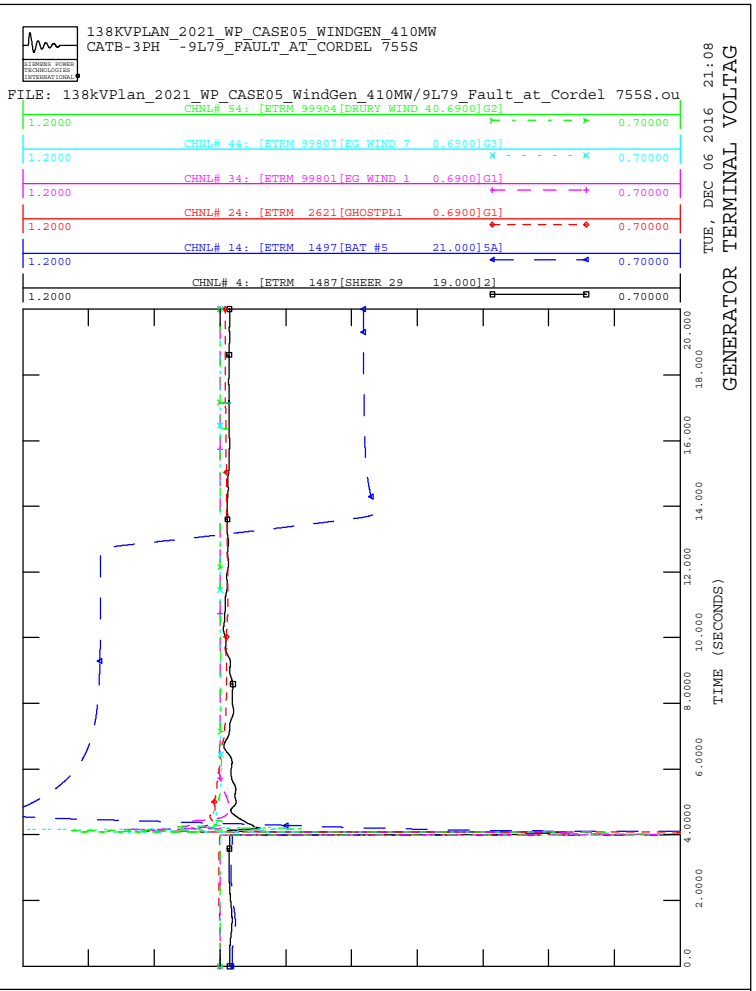
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

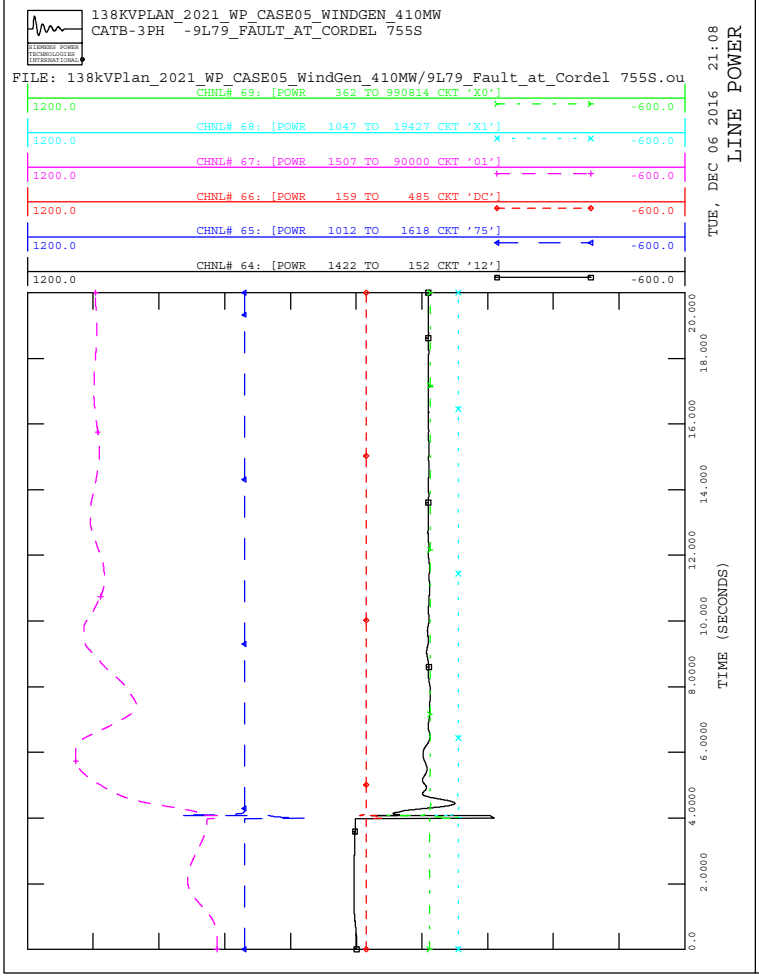
TUE, DEC 06 2016 21:08

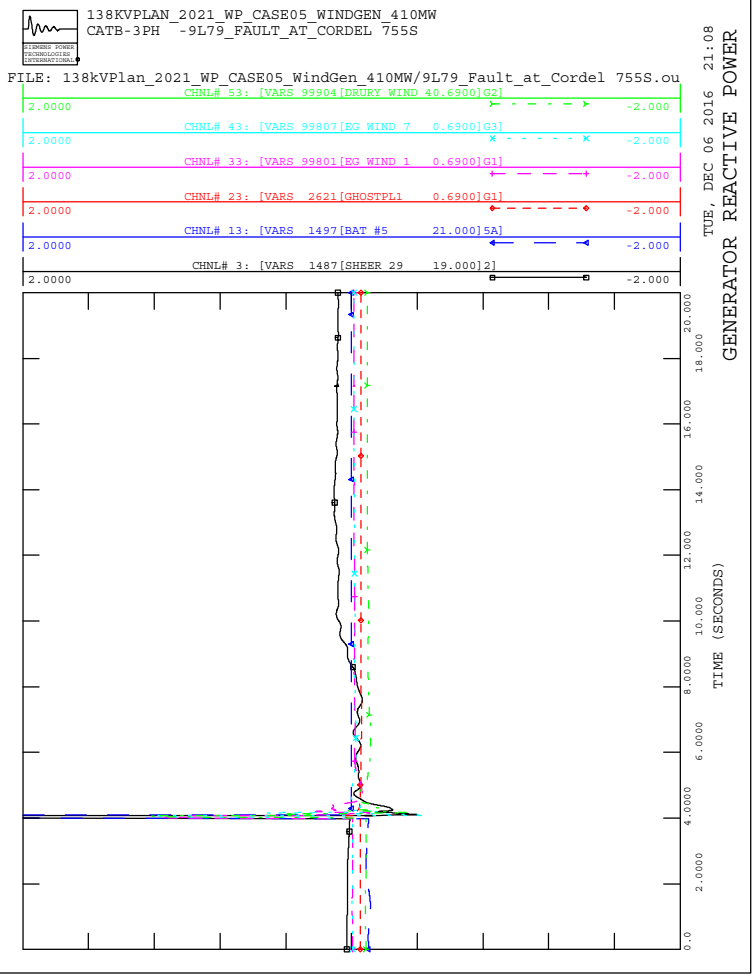
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:08
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)

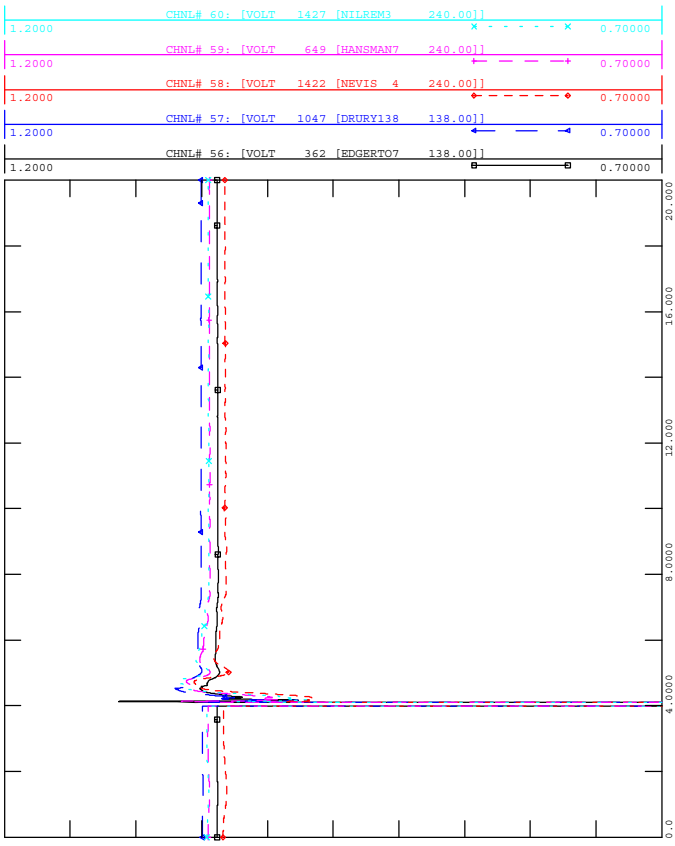

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7

TUE, DEC 06 2016 21:08

BUS VOLTAGE

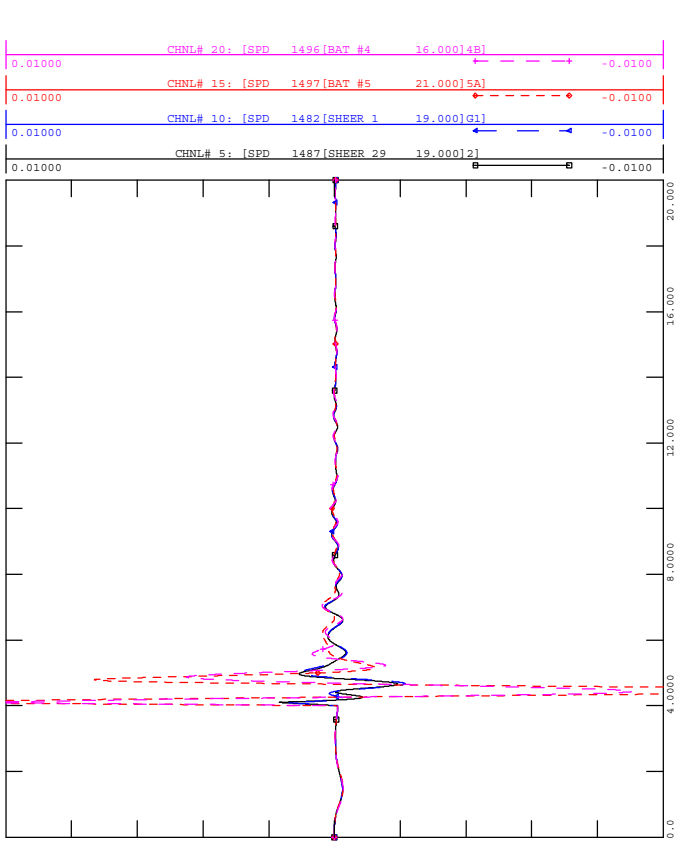


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7

TUE, DEC 06 2016 21:08

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7

TUE, DEC 06 2016 21:08

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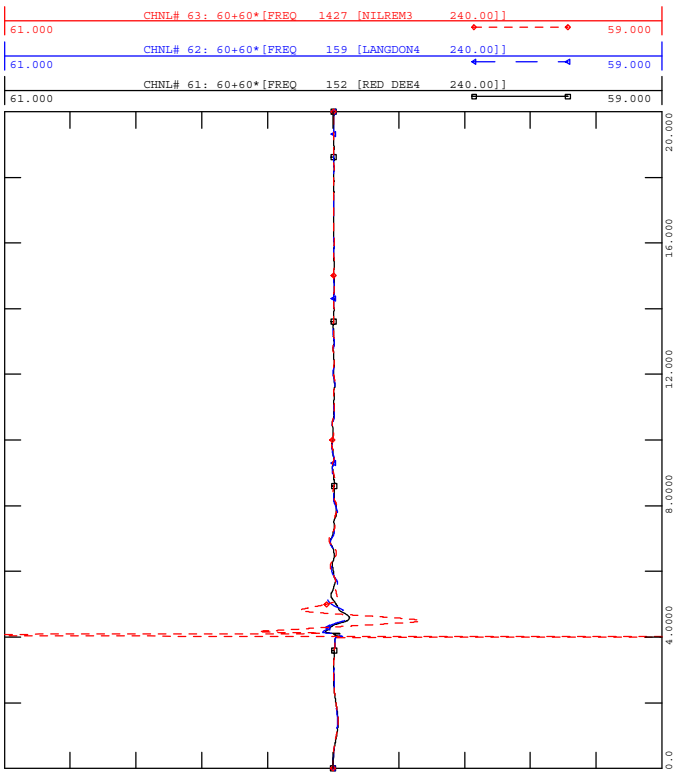
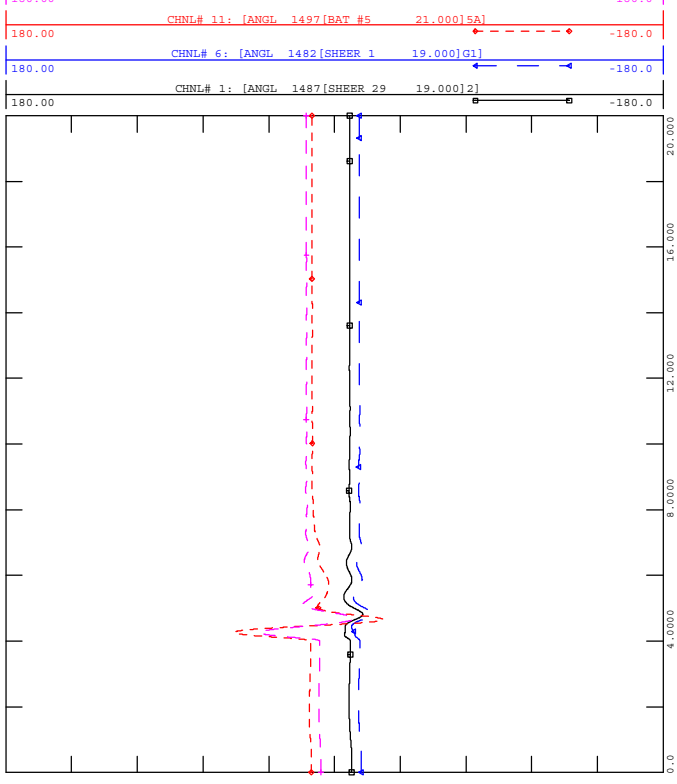


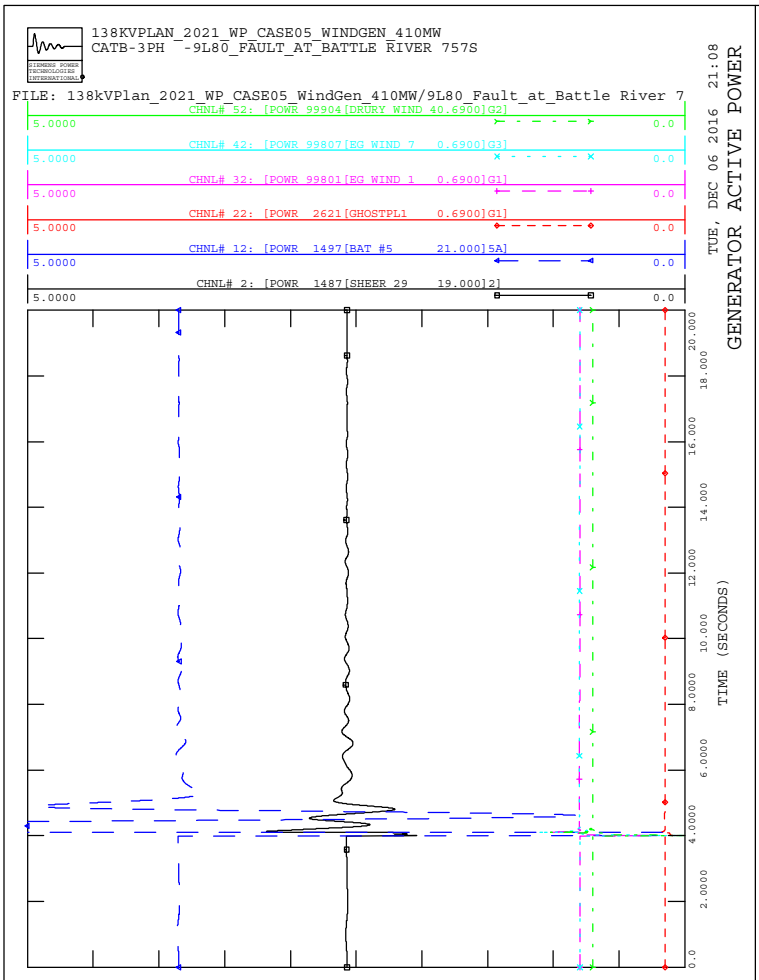
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

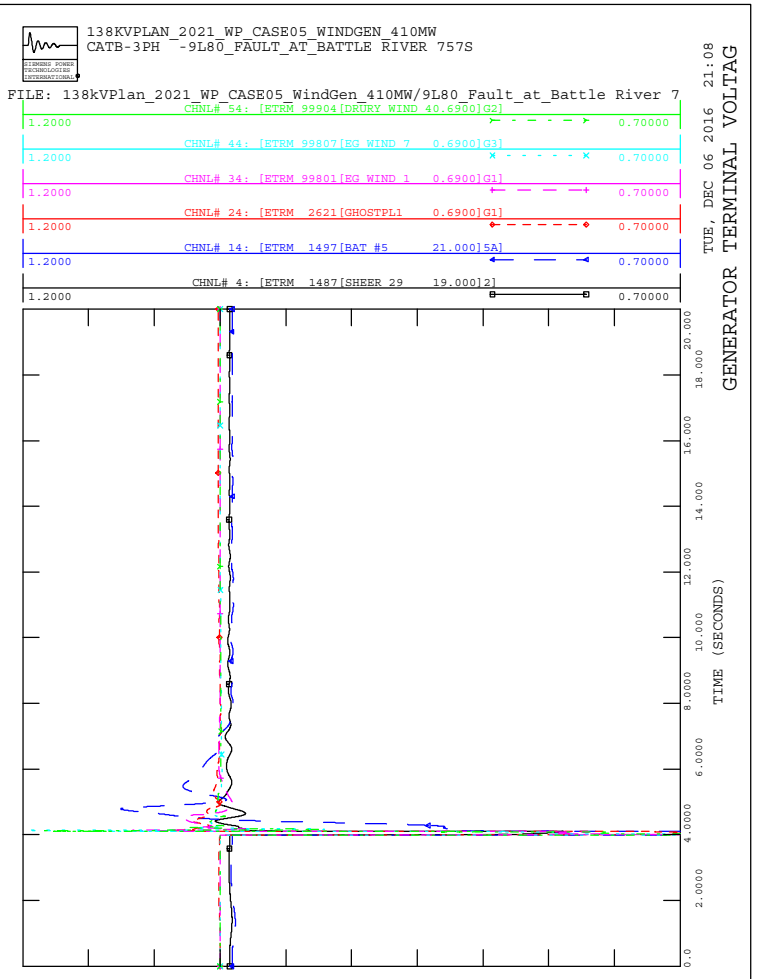
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7

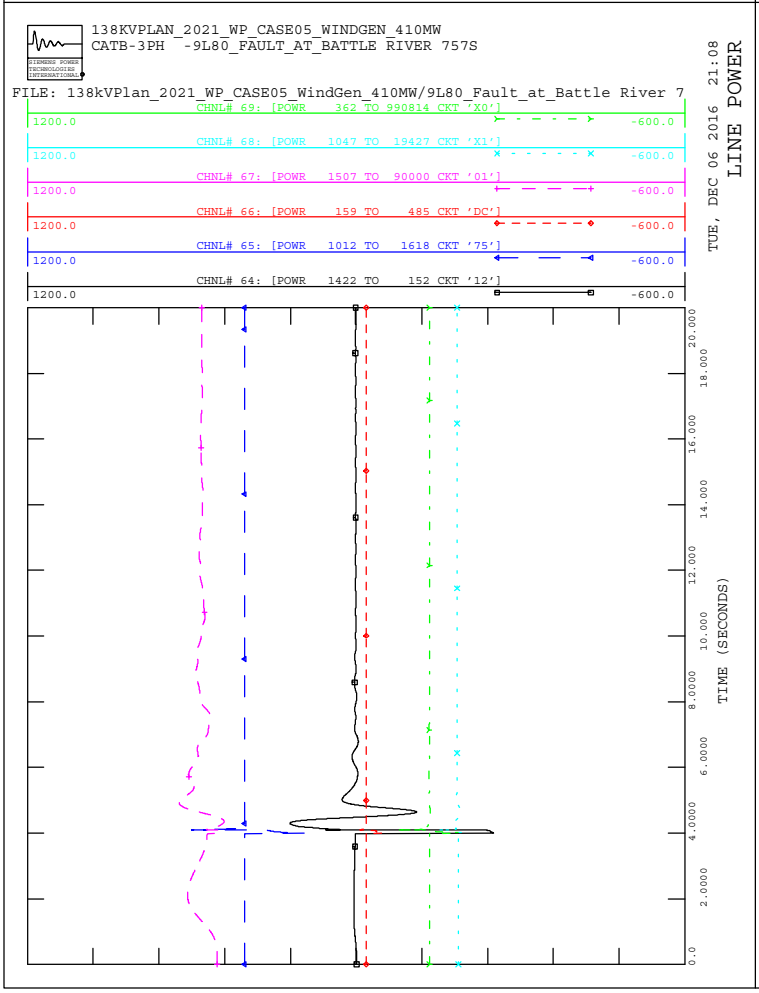
TUE, DEC 06 2016 21:08

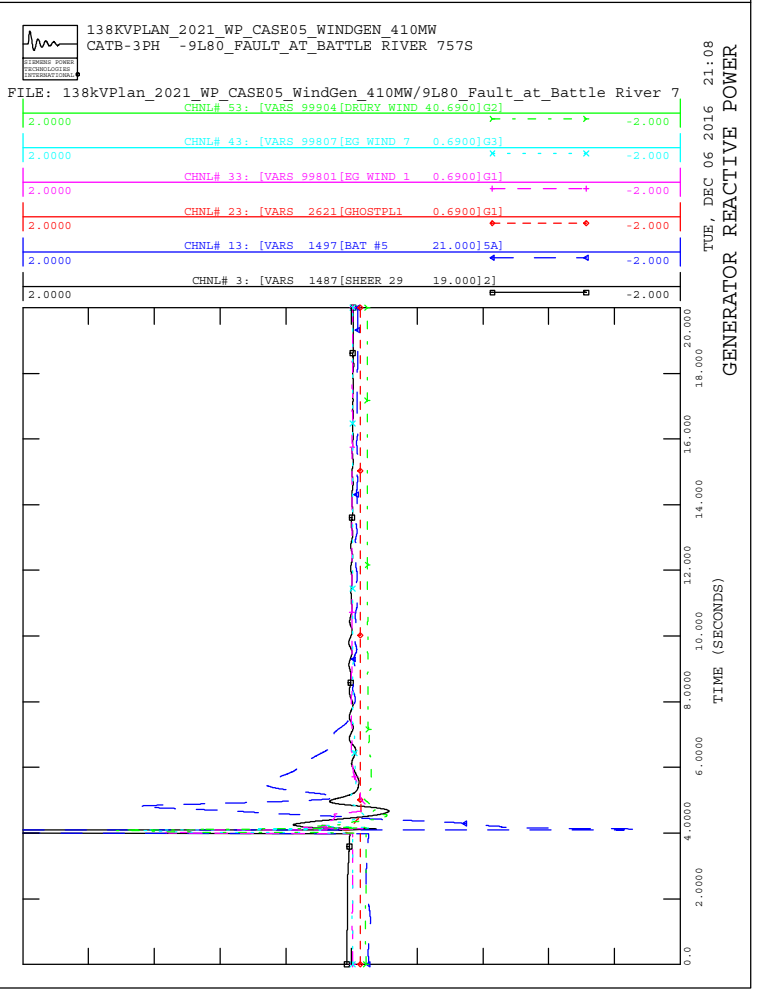
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)

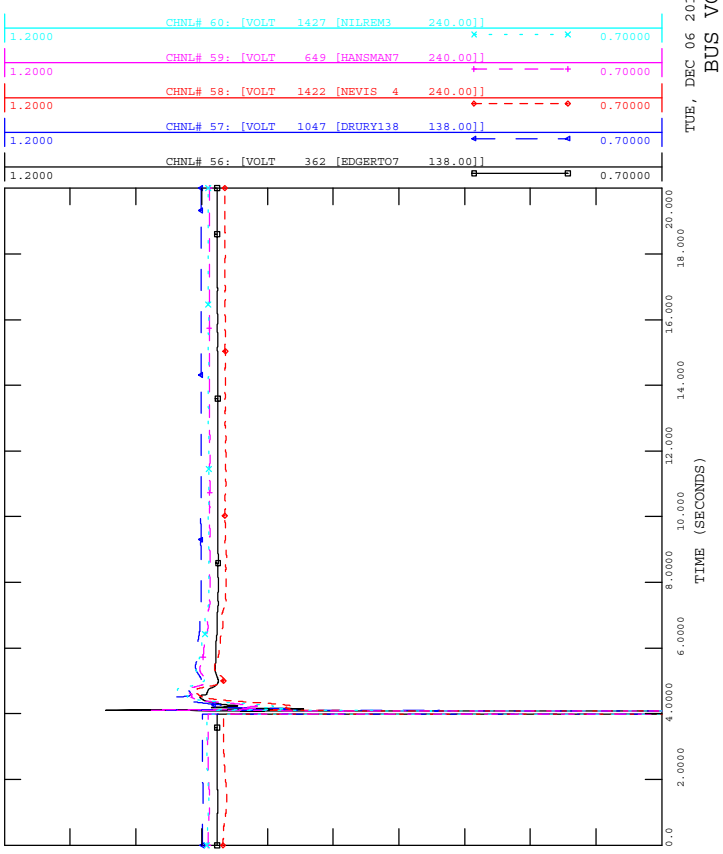

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

BUS VOLTAGE

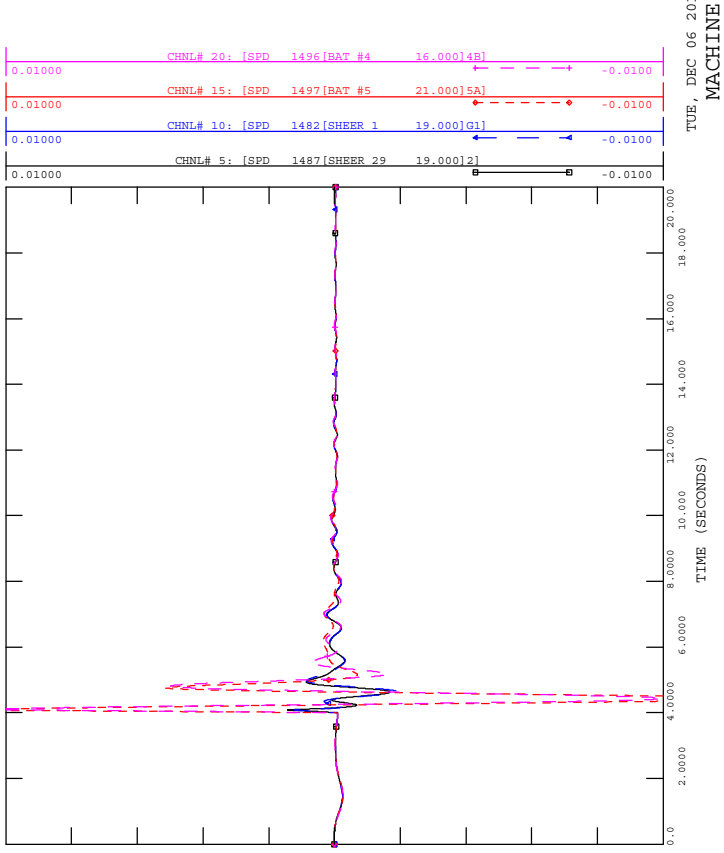


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

MACHINE SPEED

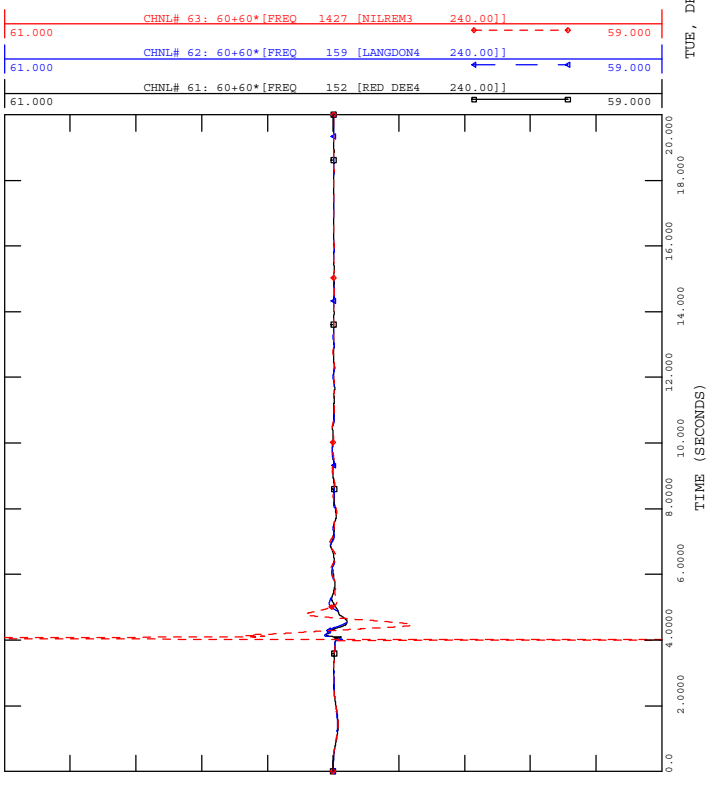


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:08

FREQUENCY

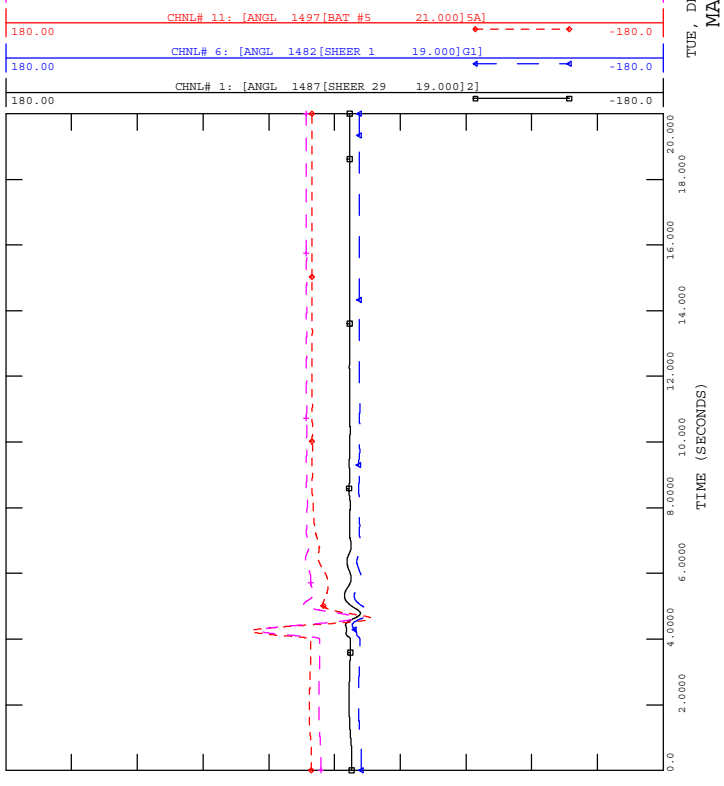


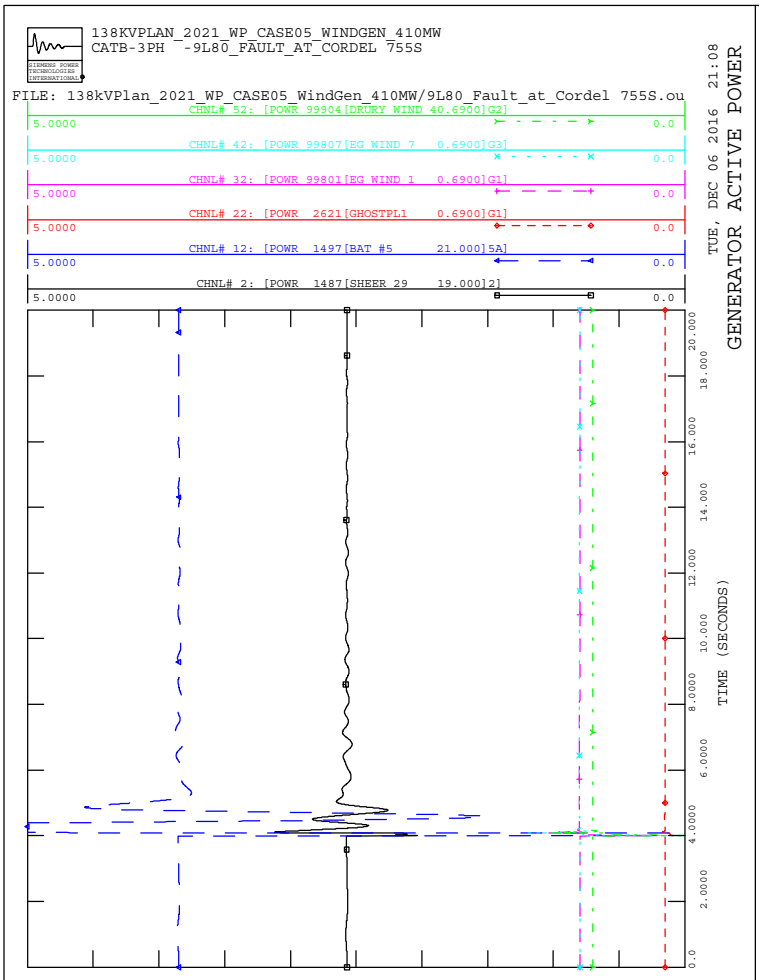
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

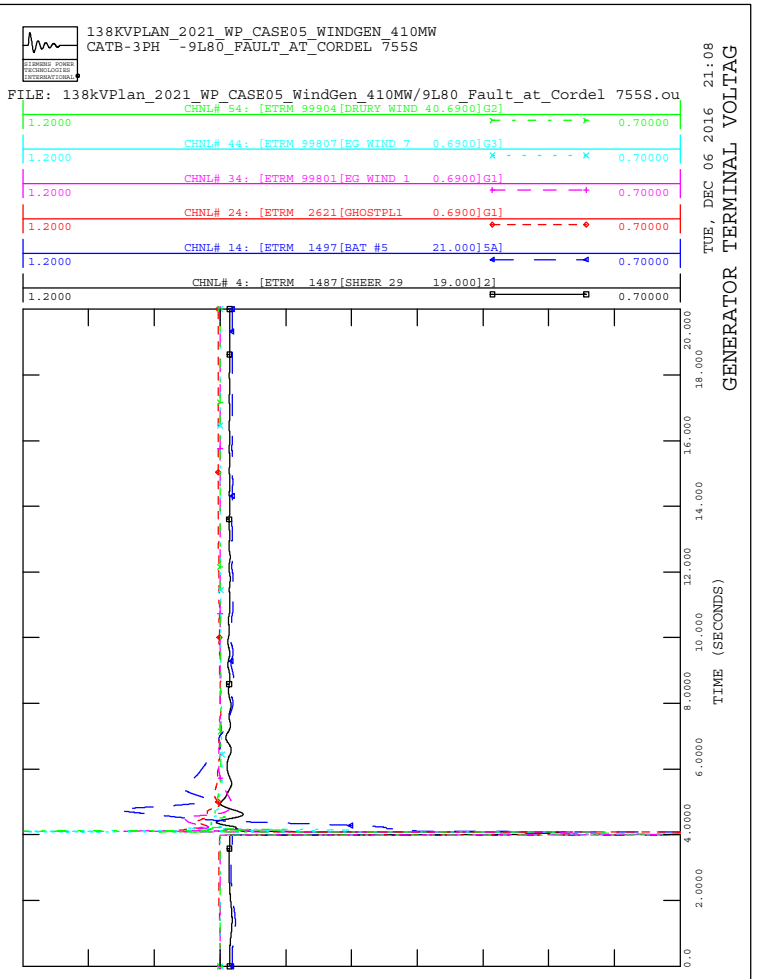
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

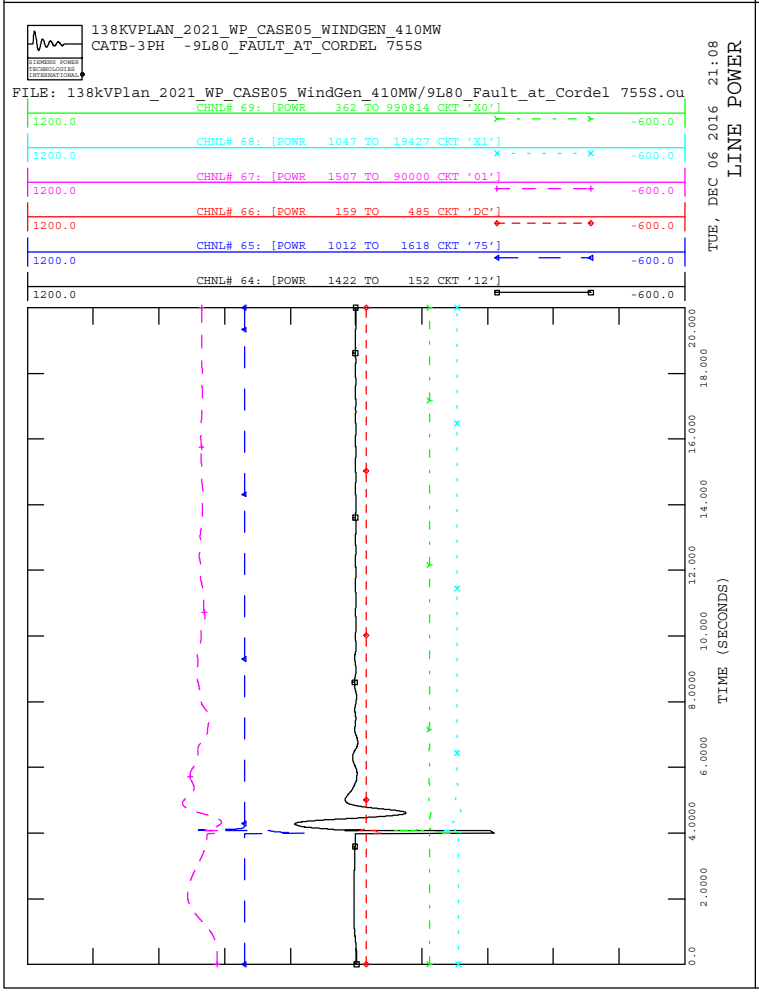
TUE, DEC 06 2016 21:08

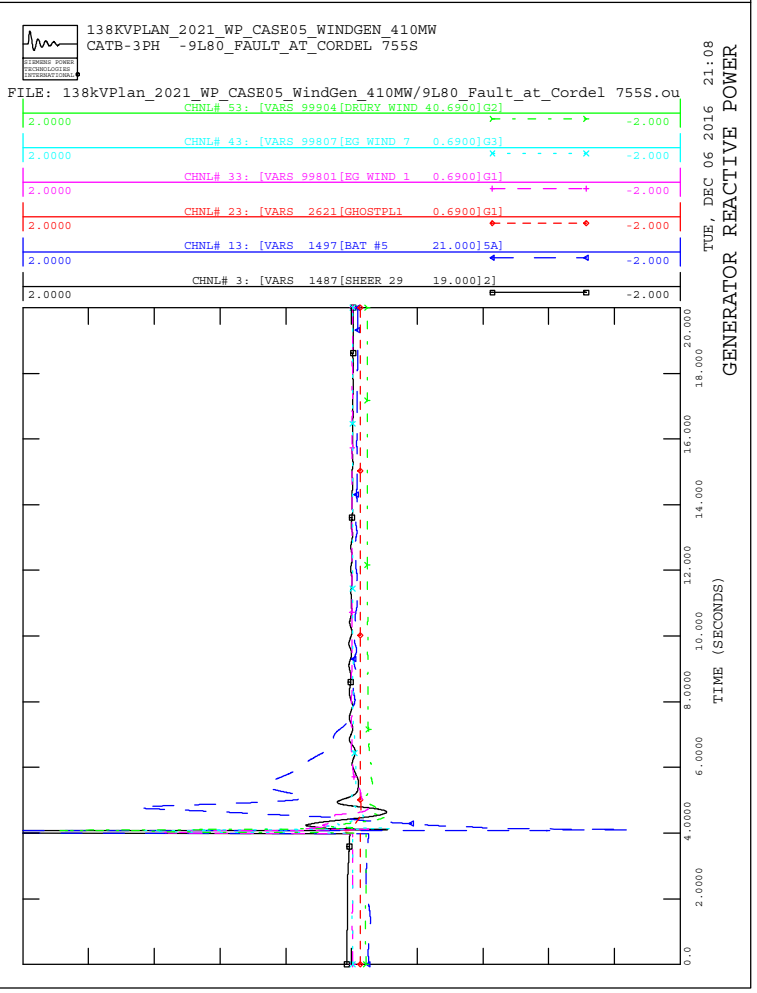
MACHINE ANGLE

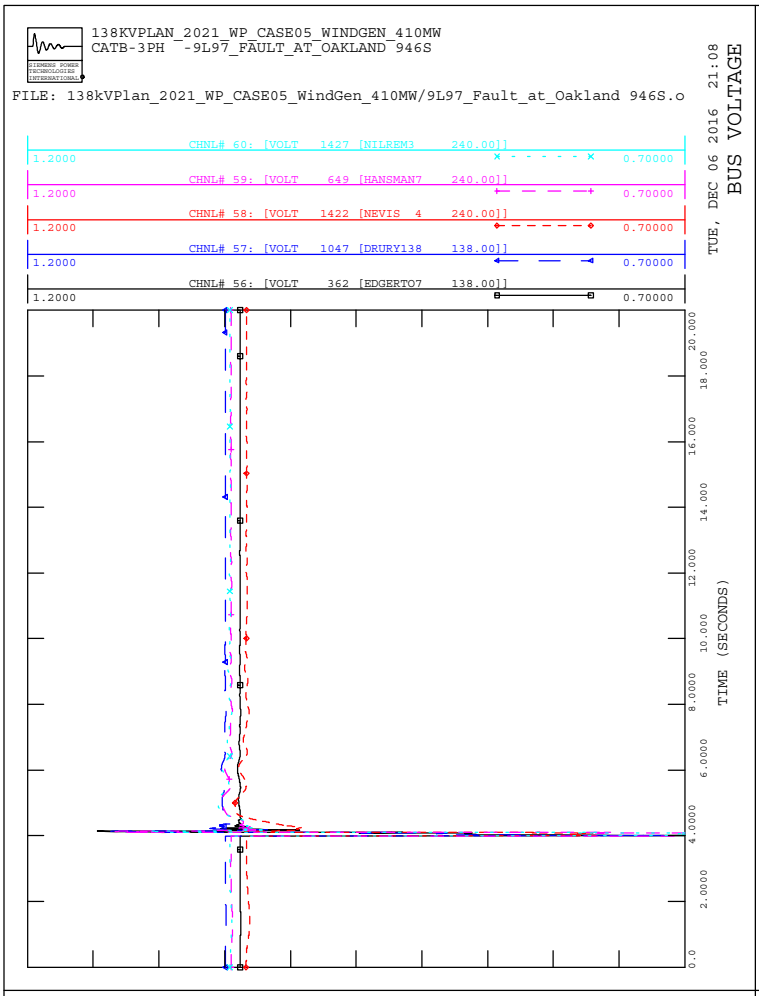


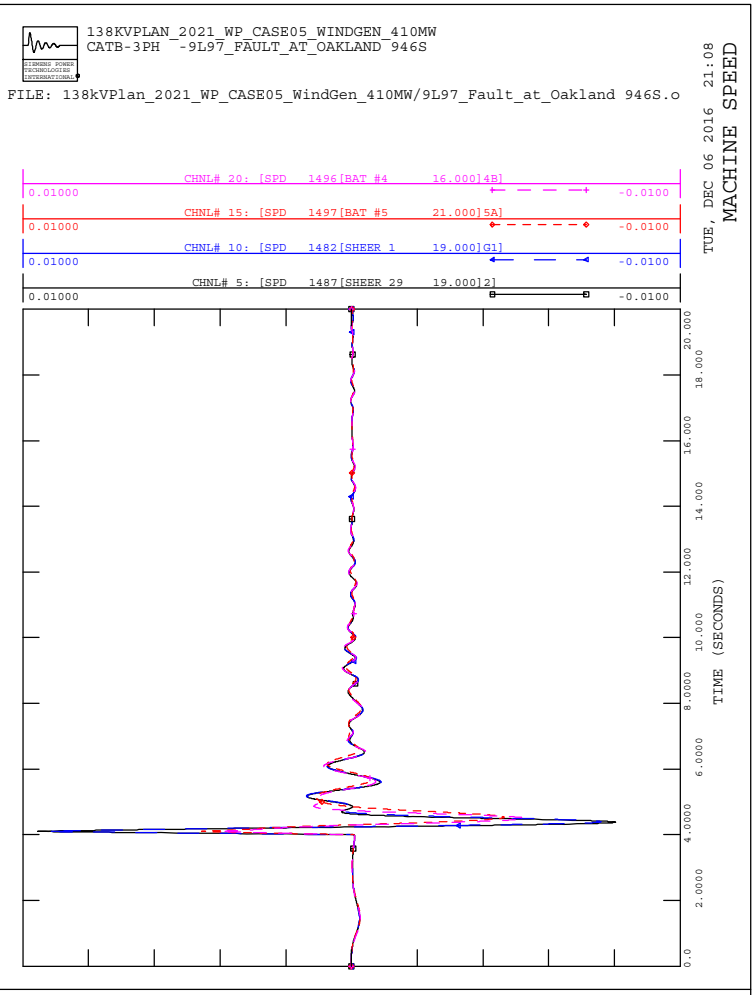

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:08
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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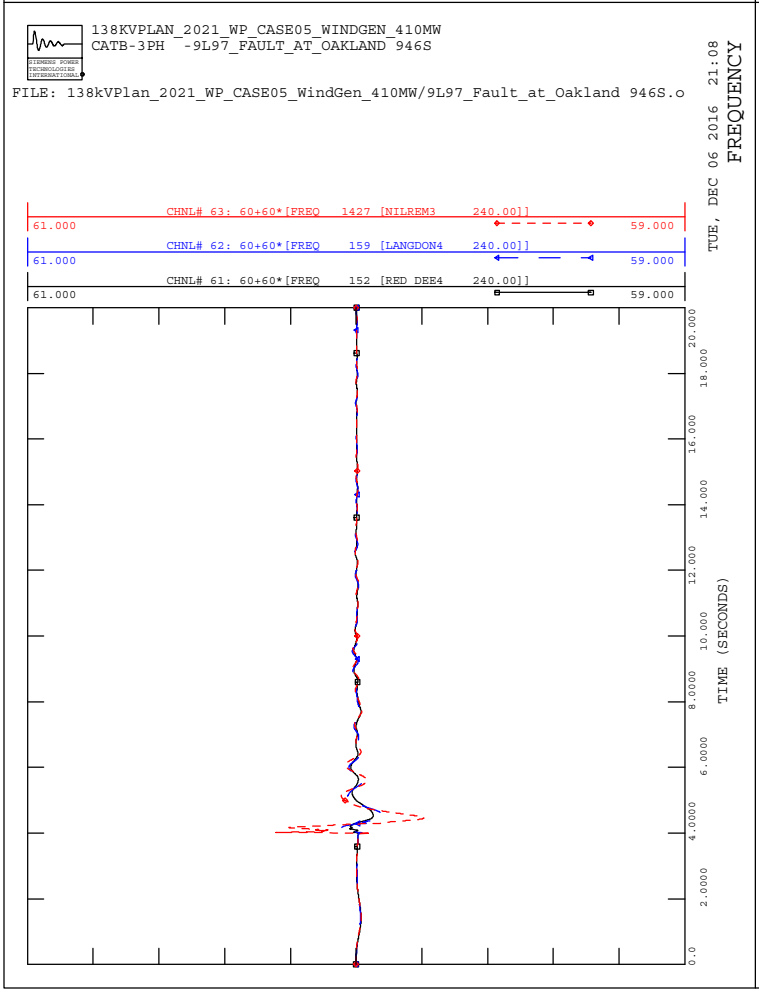
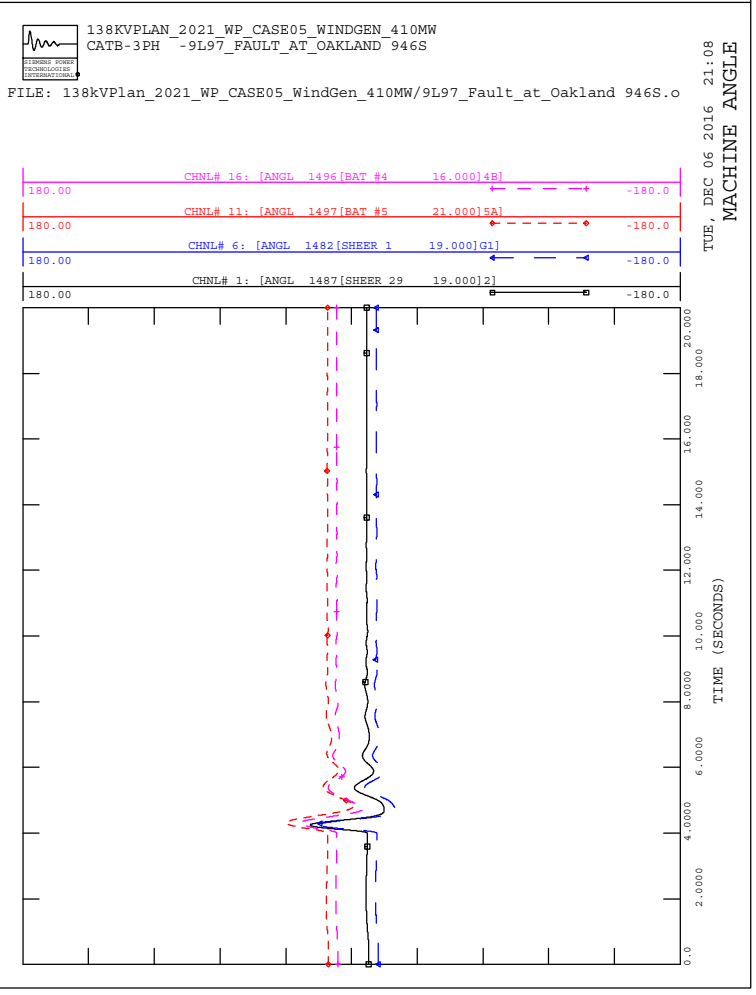
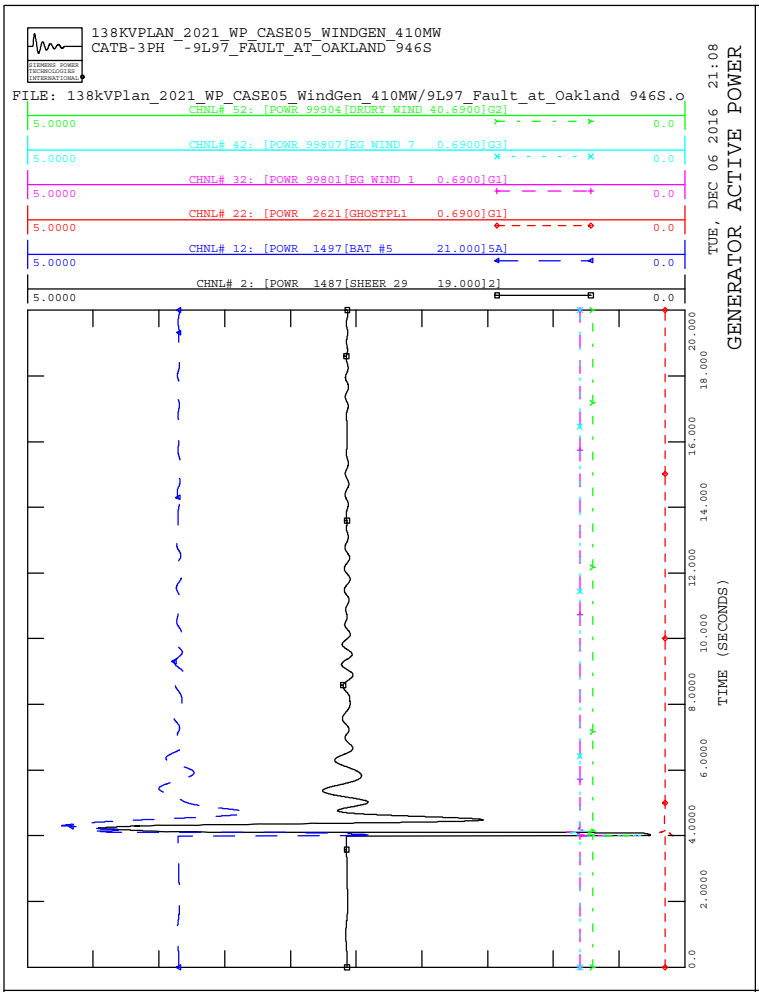
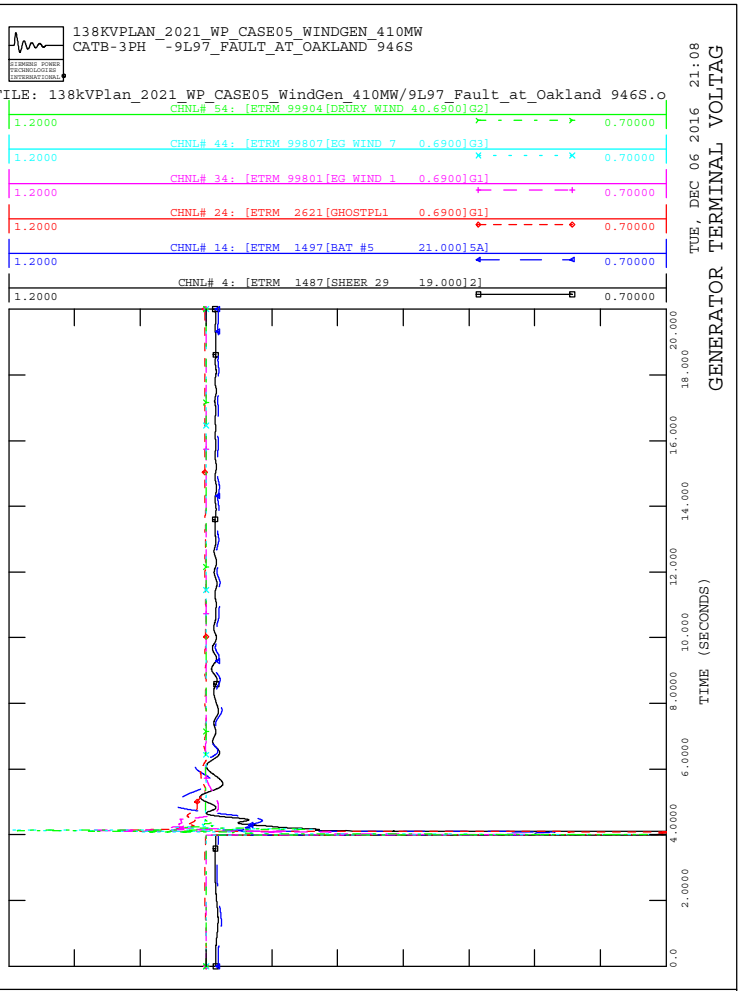
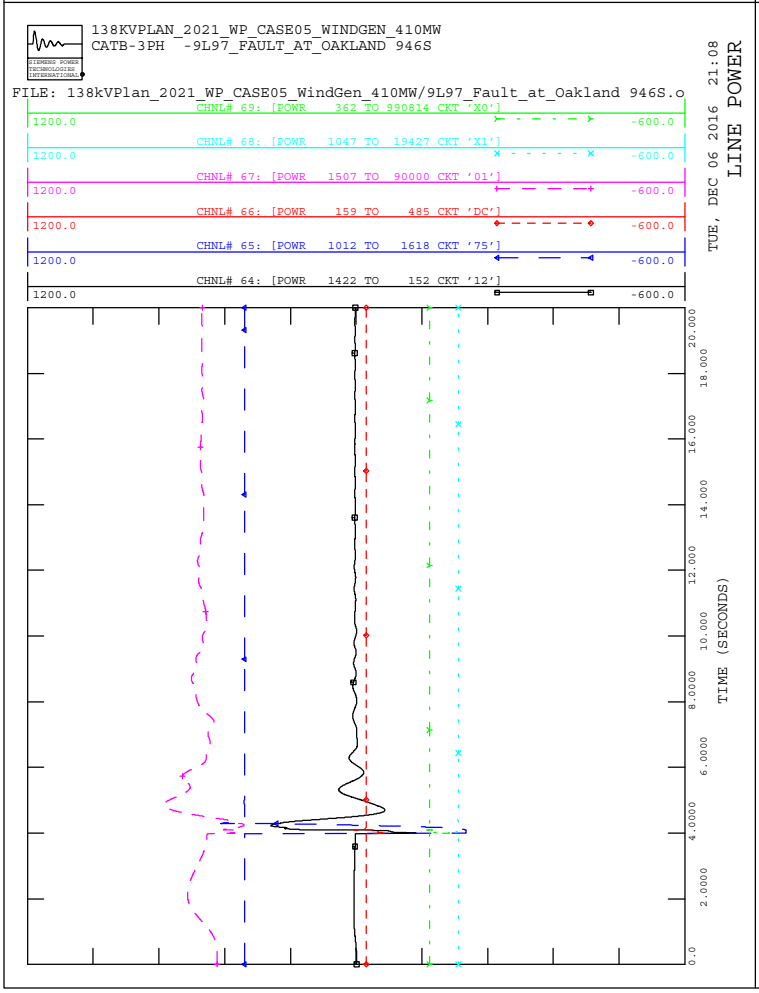
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

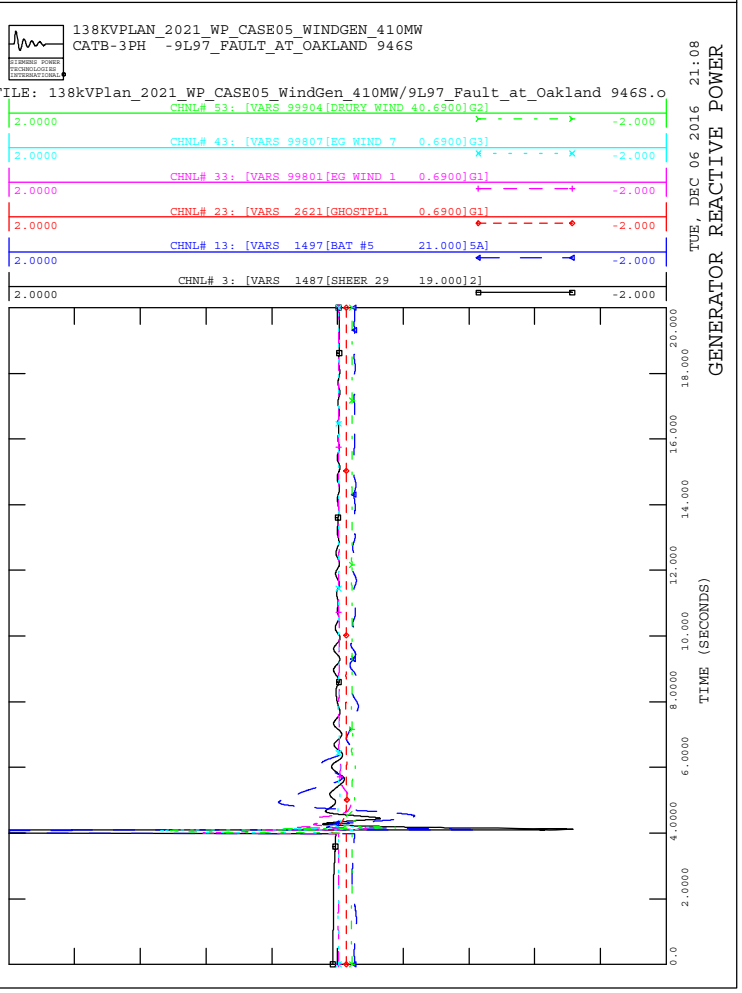

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:08
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

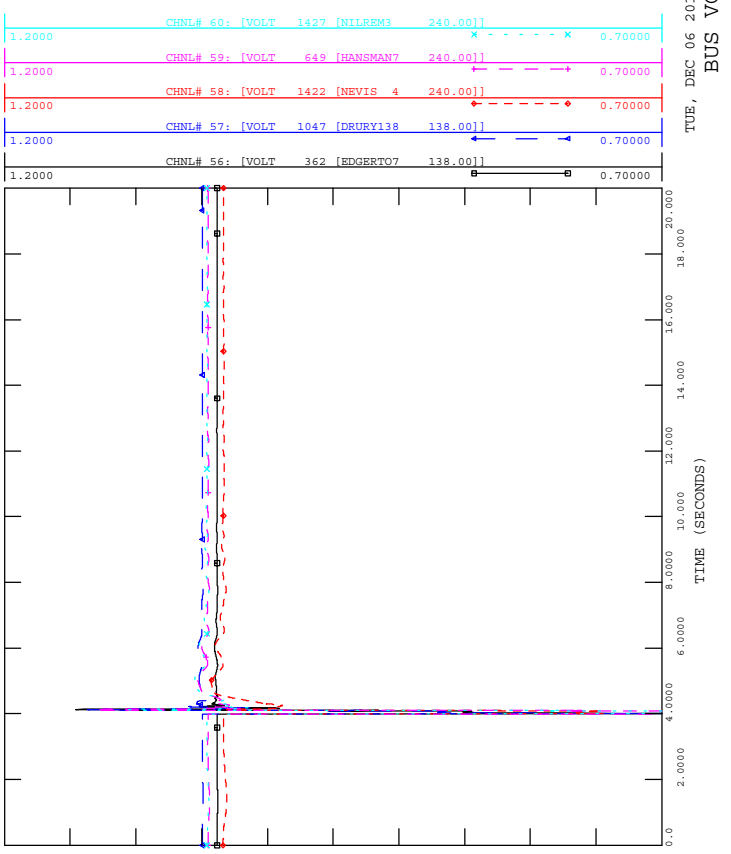

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:08

BUS VOLTAGE

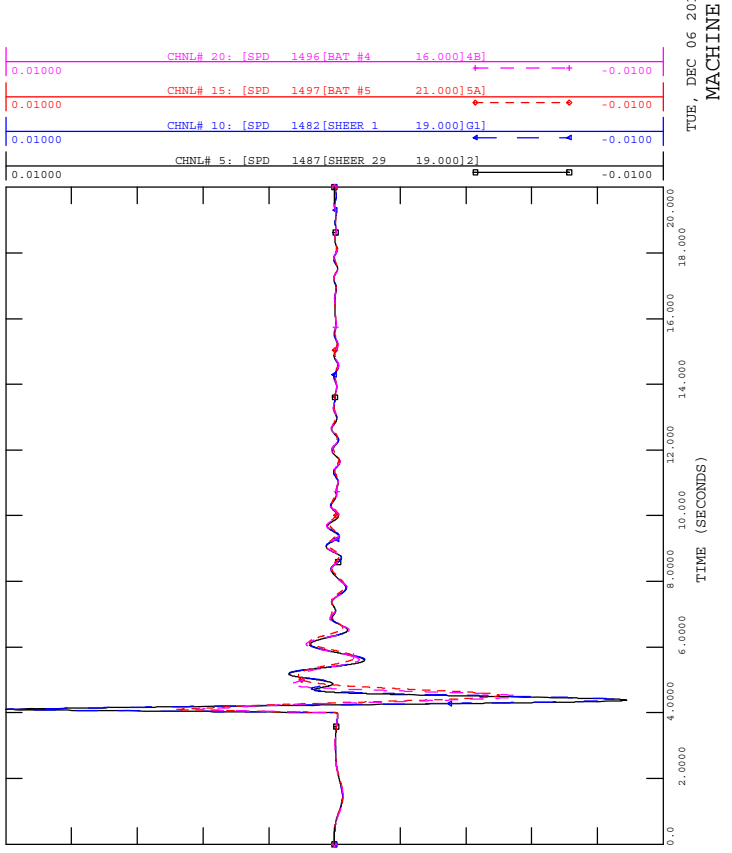


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:08

MACHINE SPEED

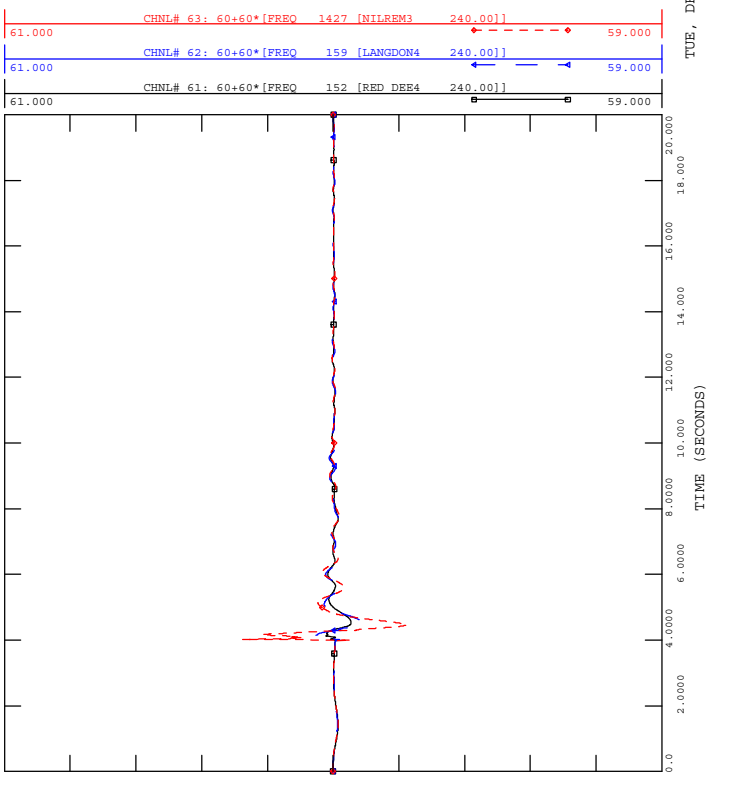


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:08

FREQUENCY



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

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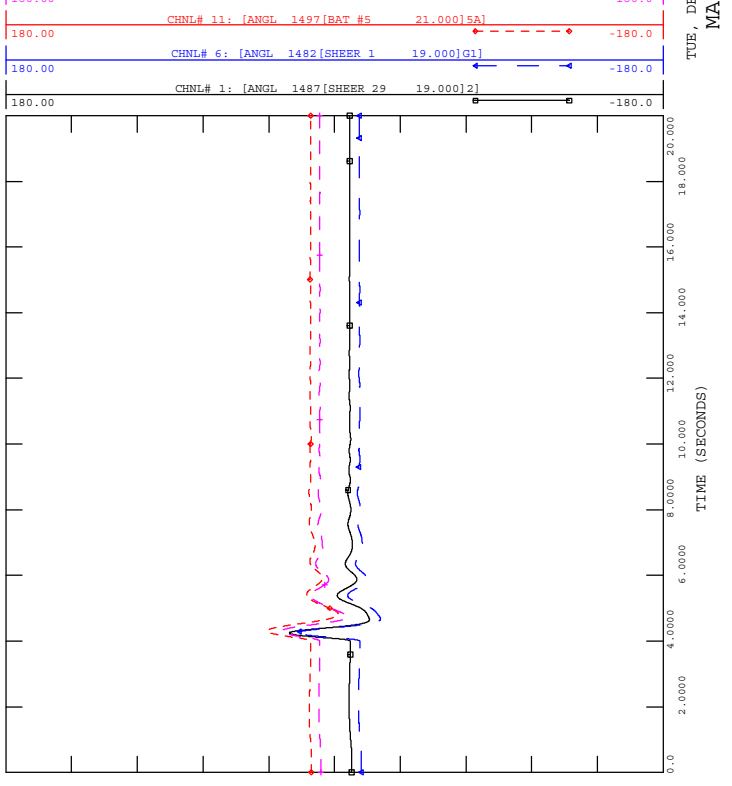
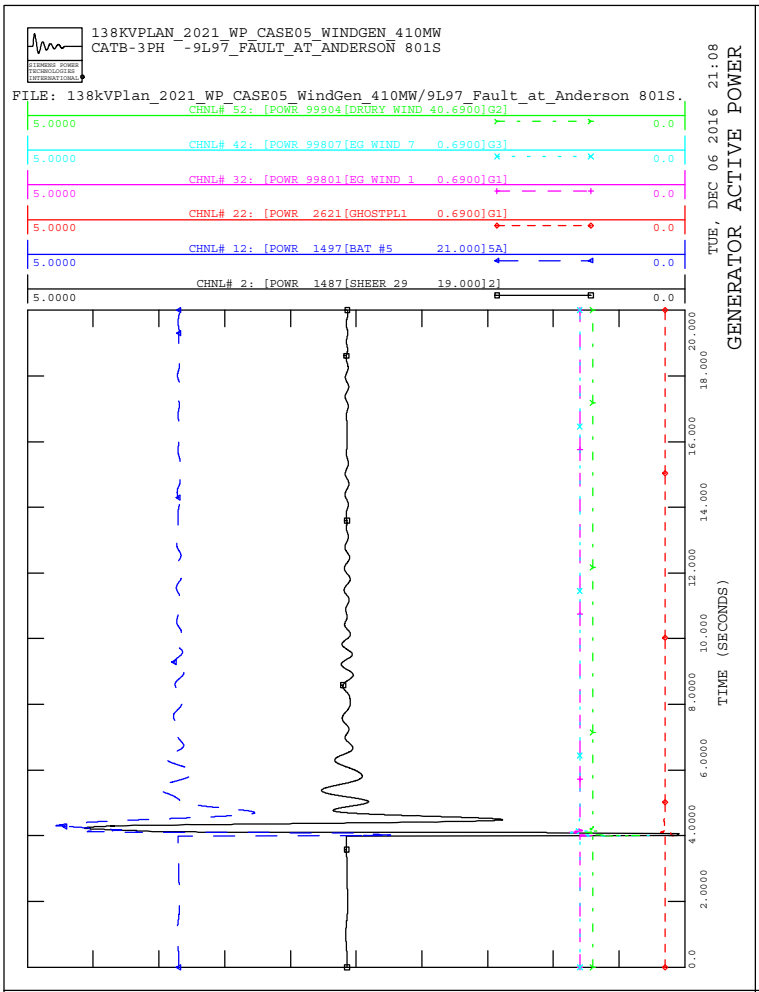
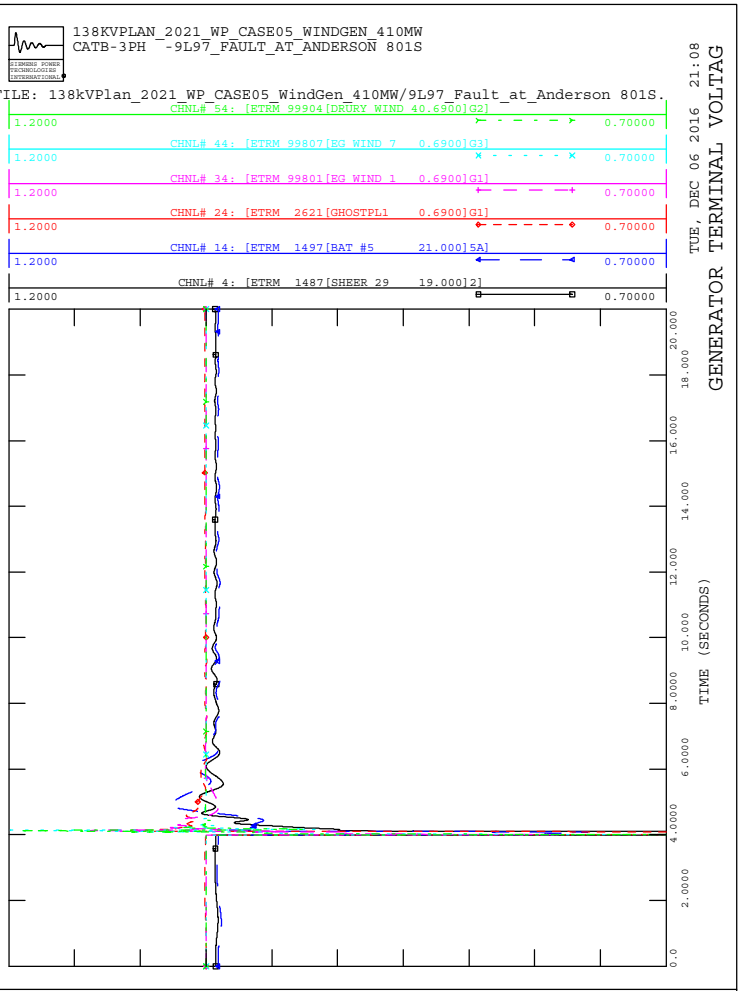
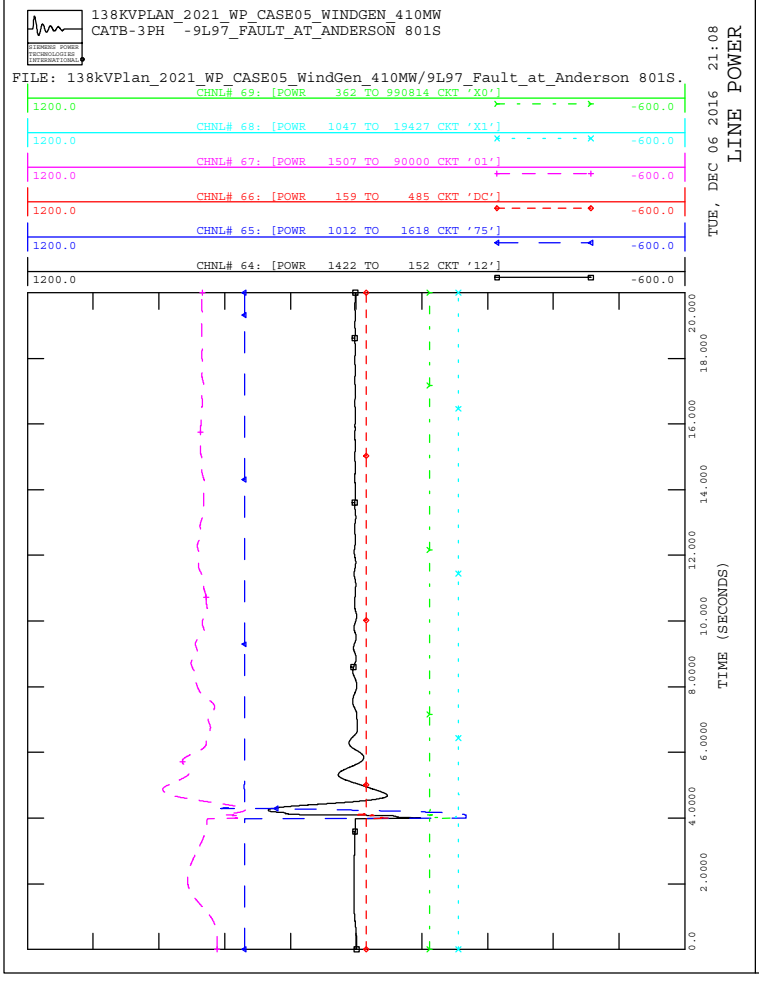
TUE, DEC 06 2016 21:08

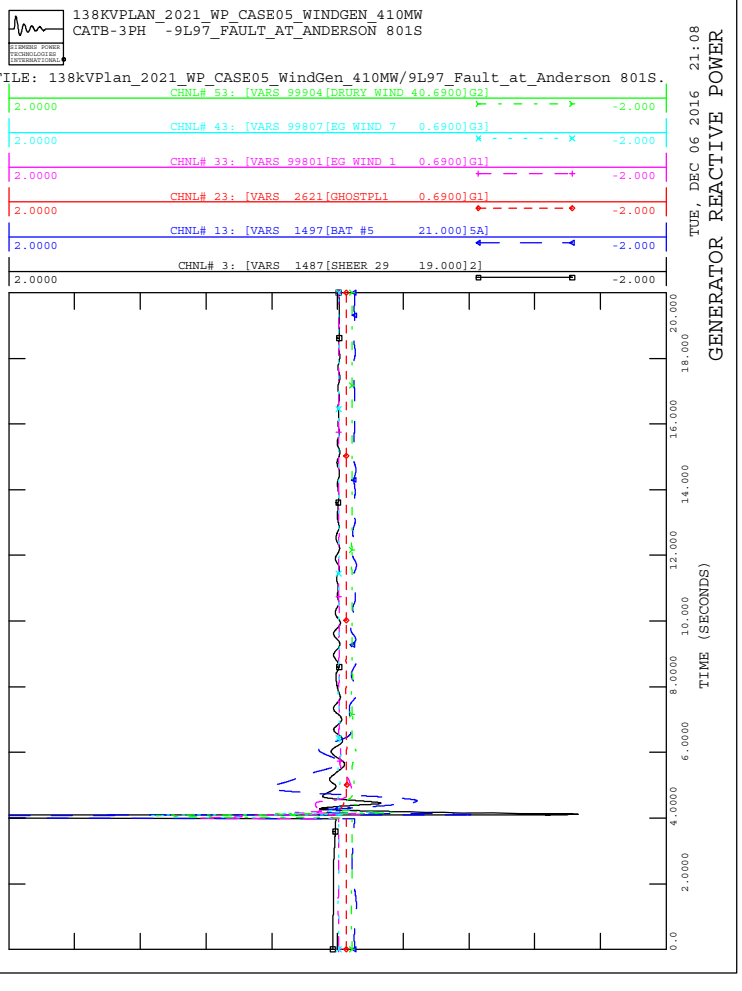
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)

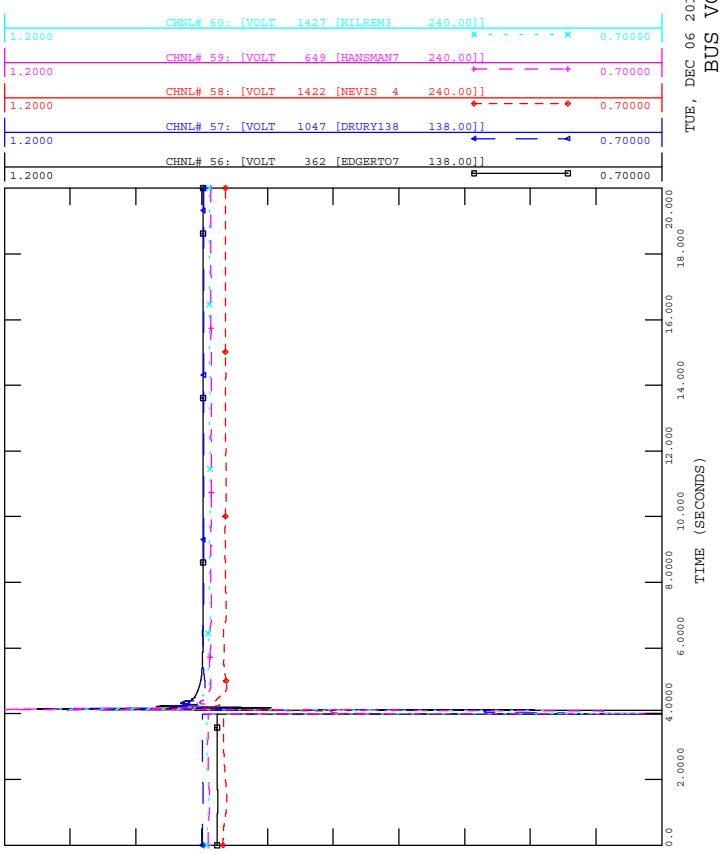

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:08

BUS VOLTAGE

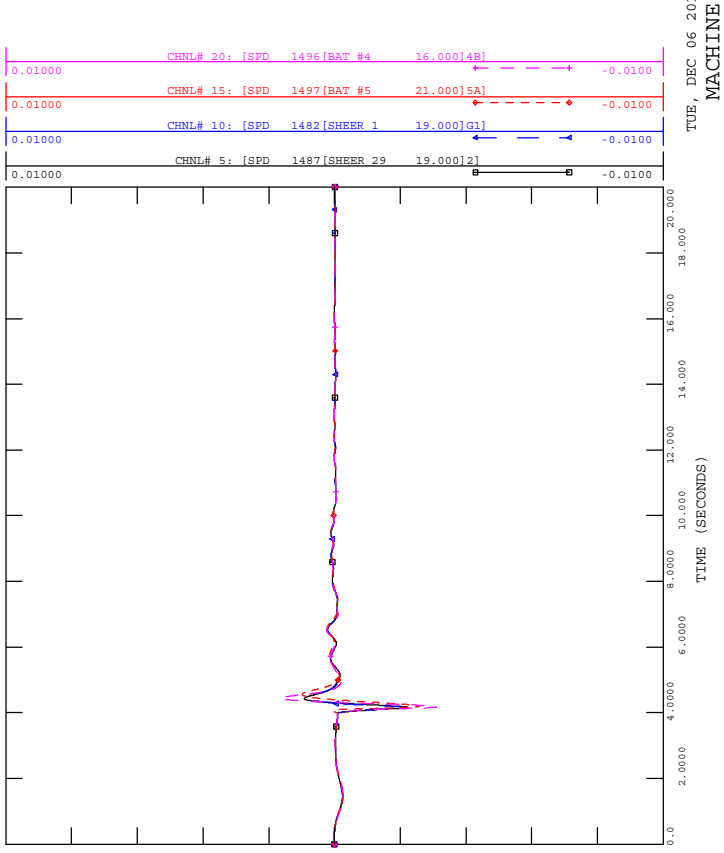


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:08

MACHINE SPEED

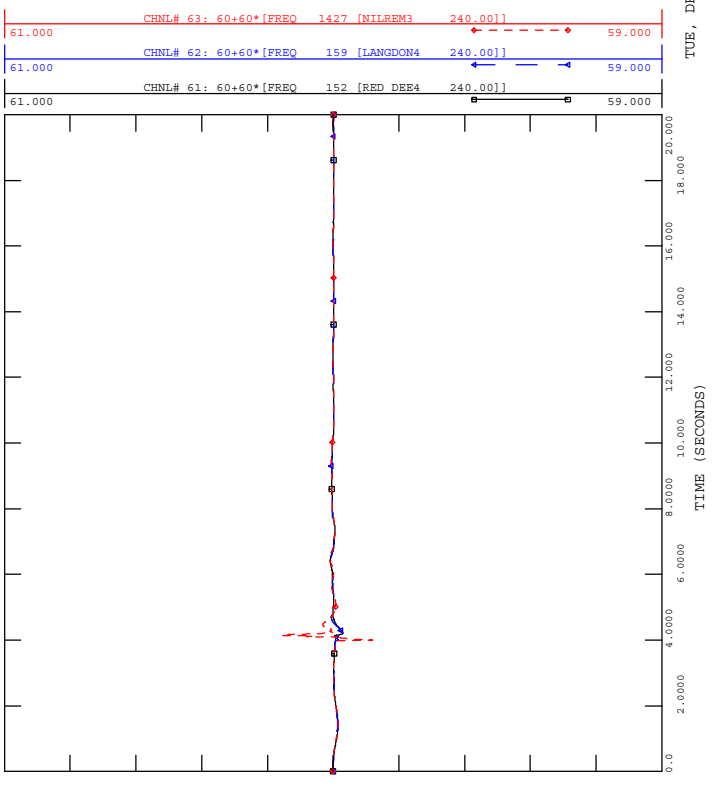


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:08

FREQUENCY

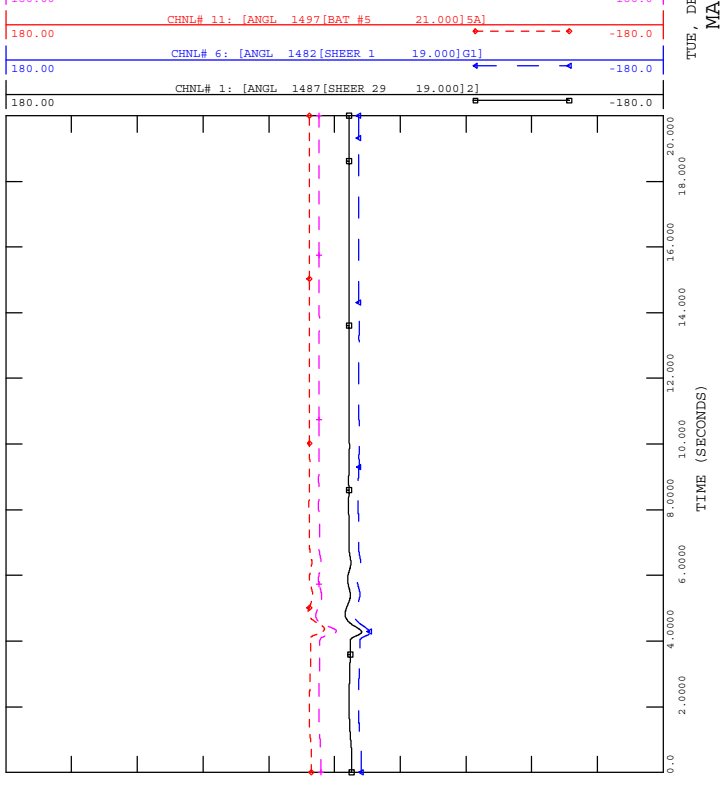


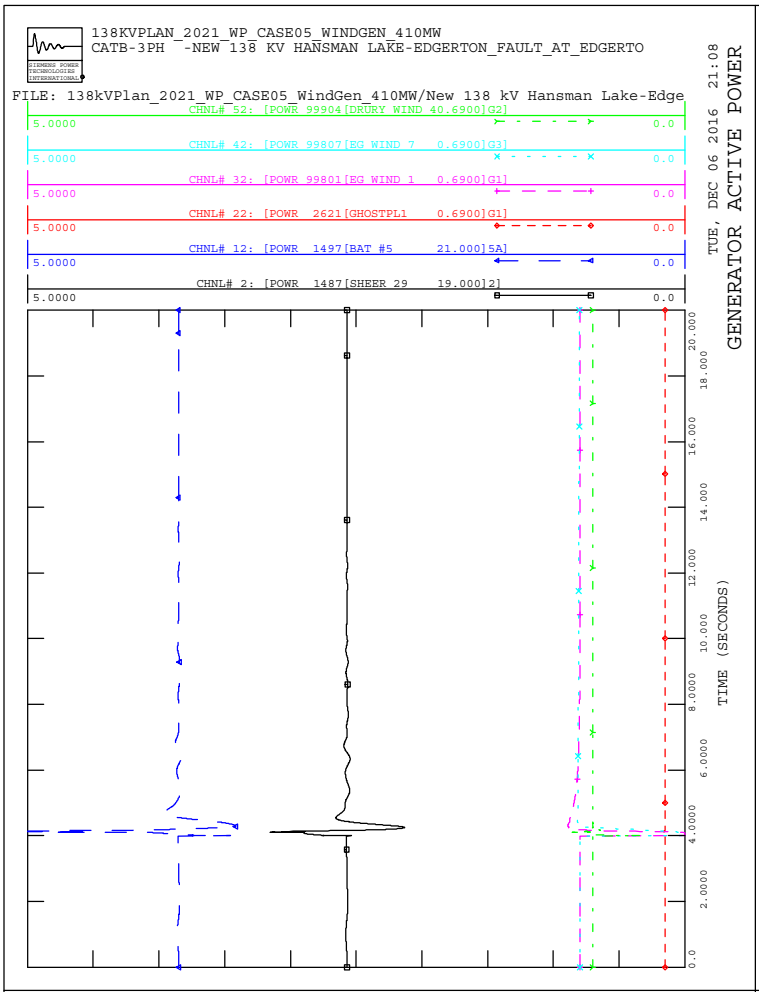
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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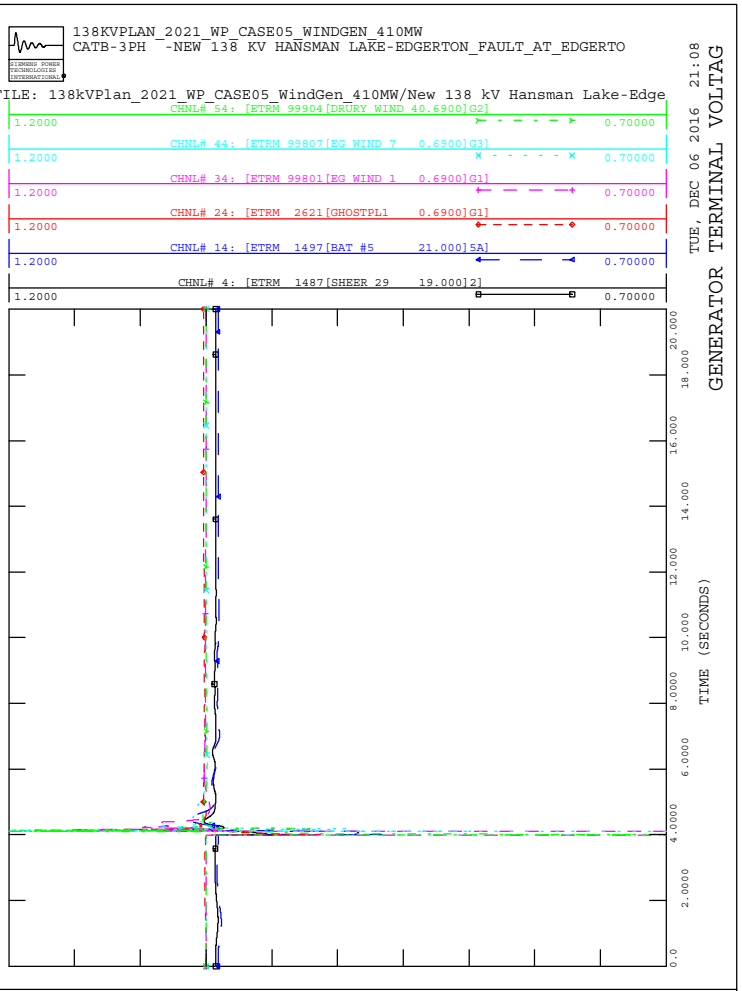
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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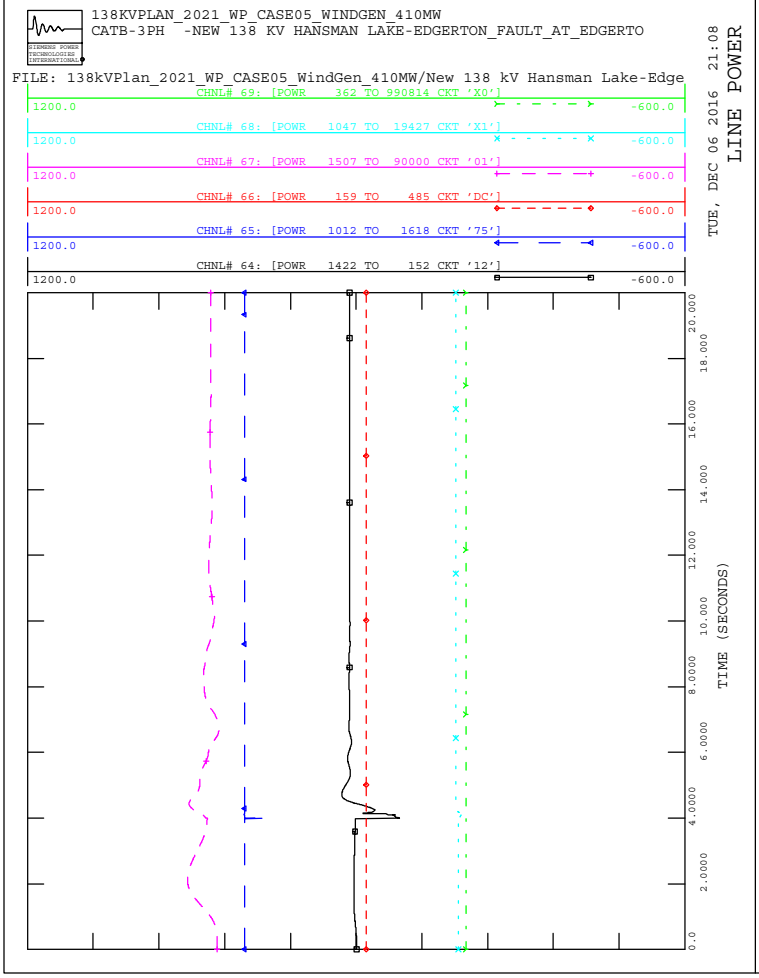
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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-600.0
TUE, DEC 06 2016 21:08
LINE POWER
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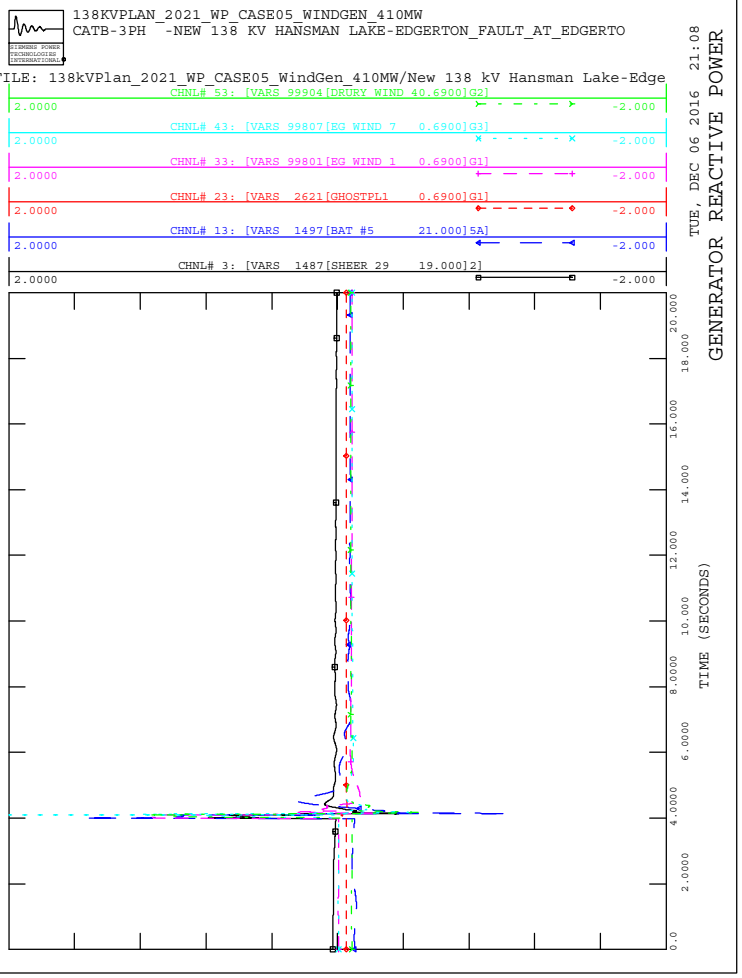
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
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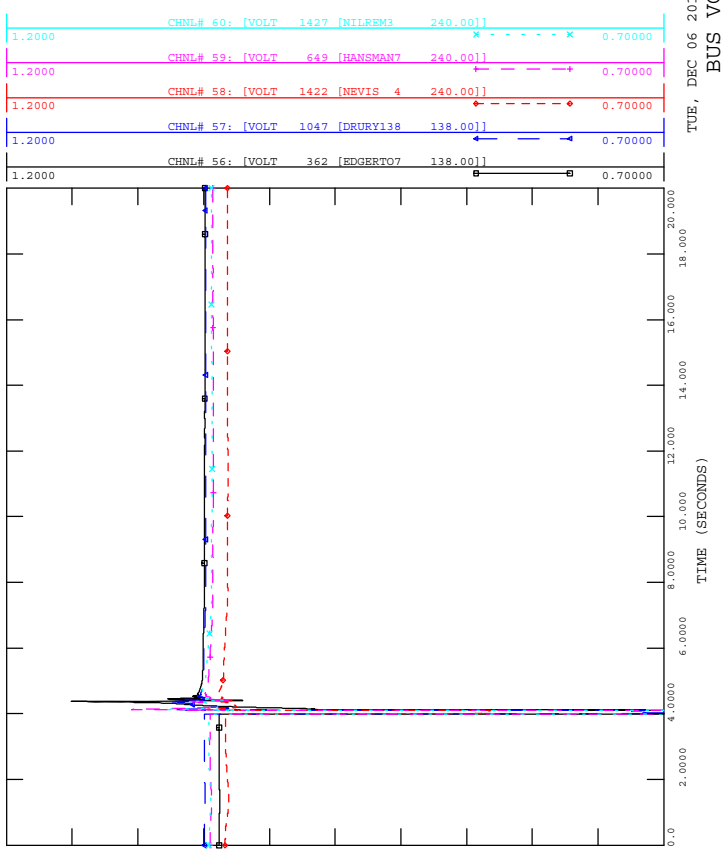
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:08

BUS VOLTAGE

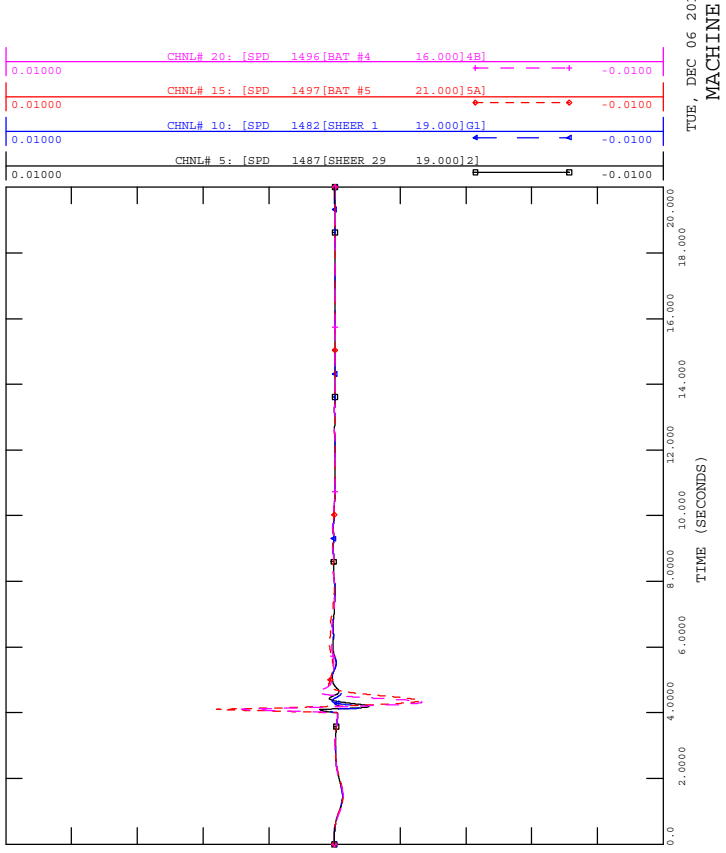


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:08

MACHINE SPEED

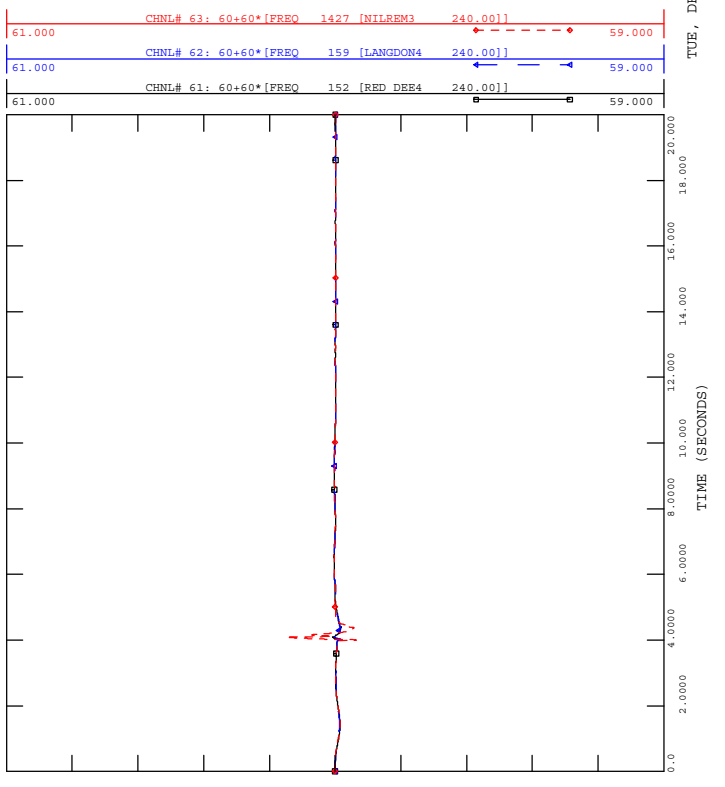


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:08

FREQUENCY

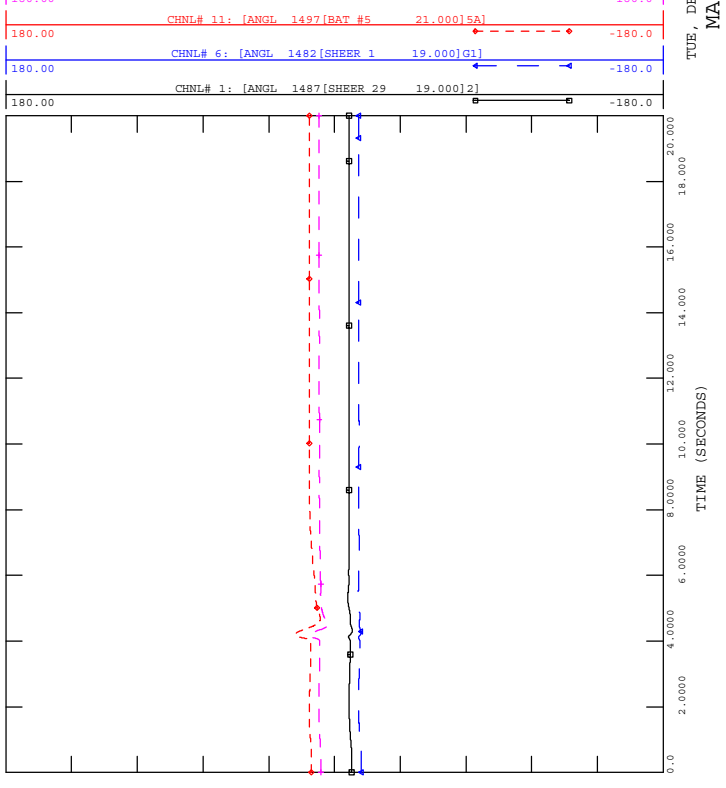


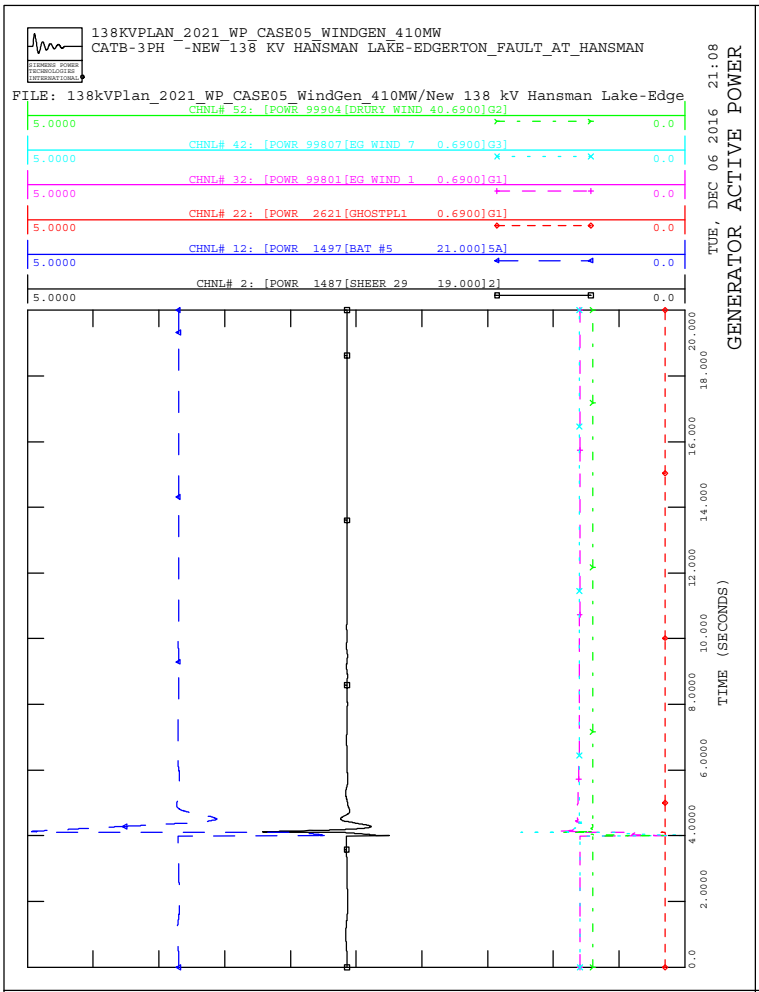
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:08

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
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CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
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CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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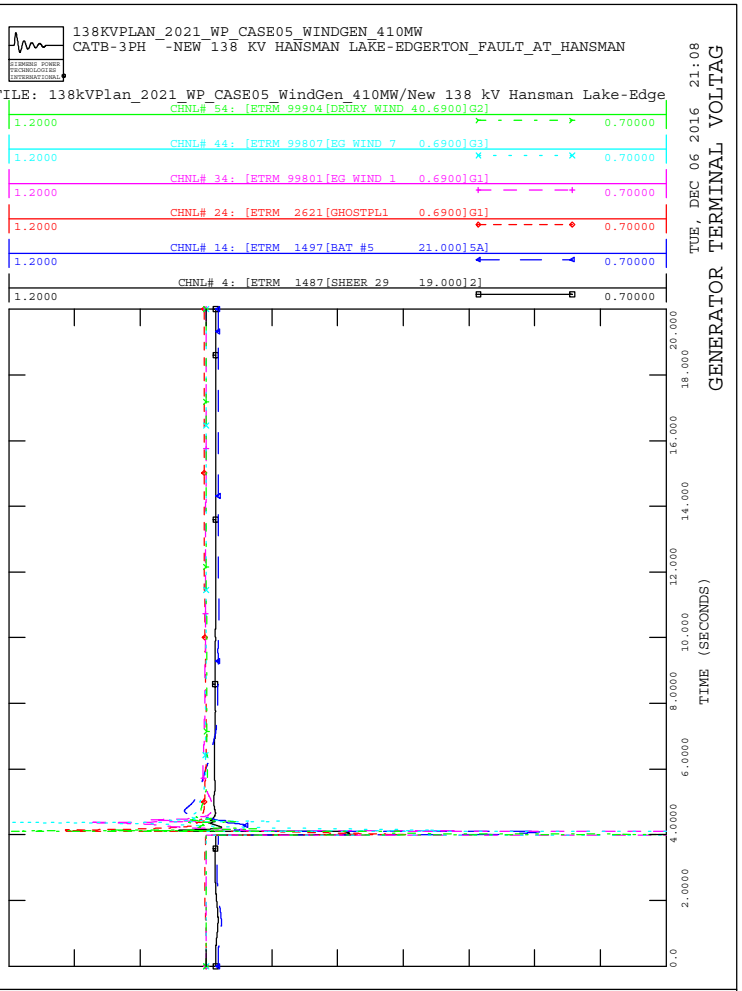
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
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CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
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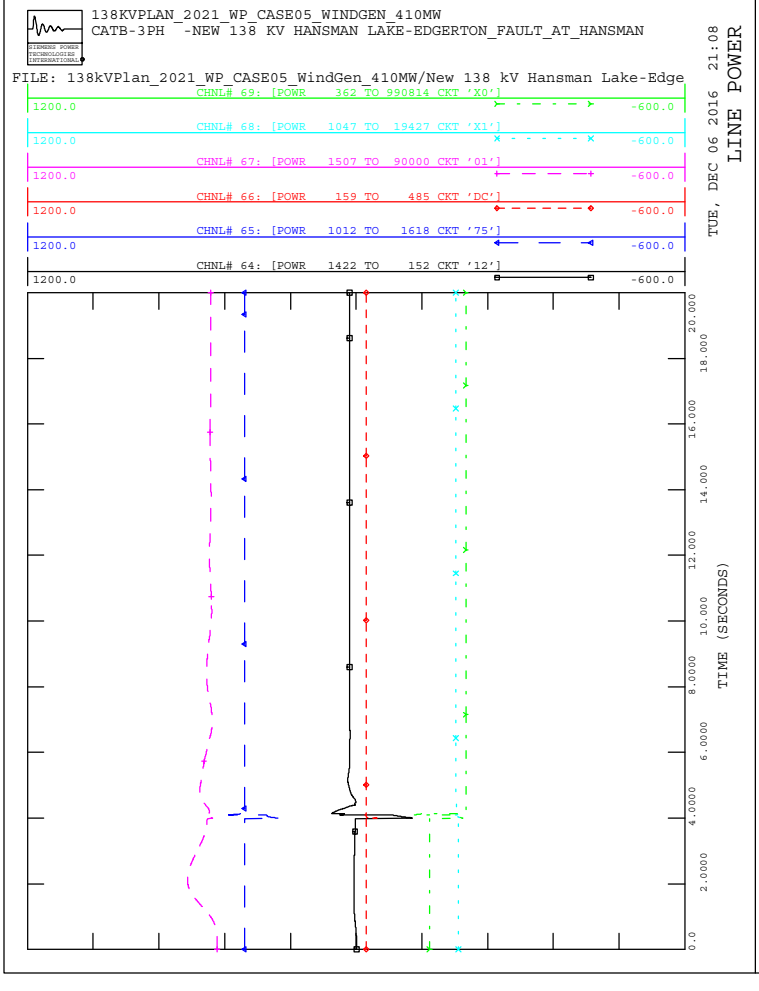
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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TUE, DEC 06 2016 21:08
LINE POWER
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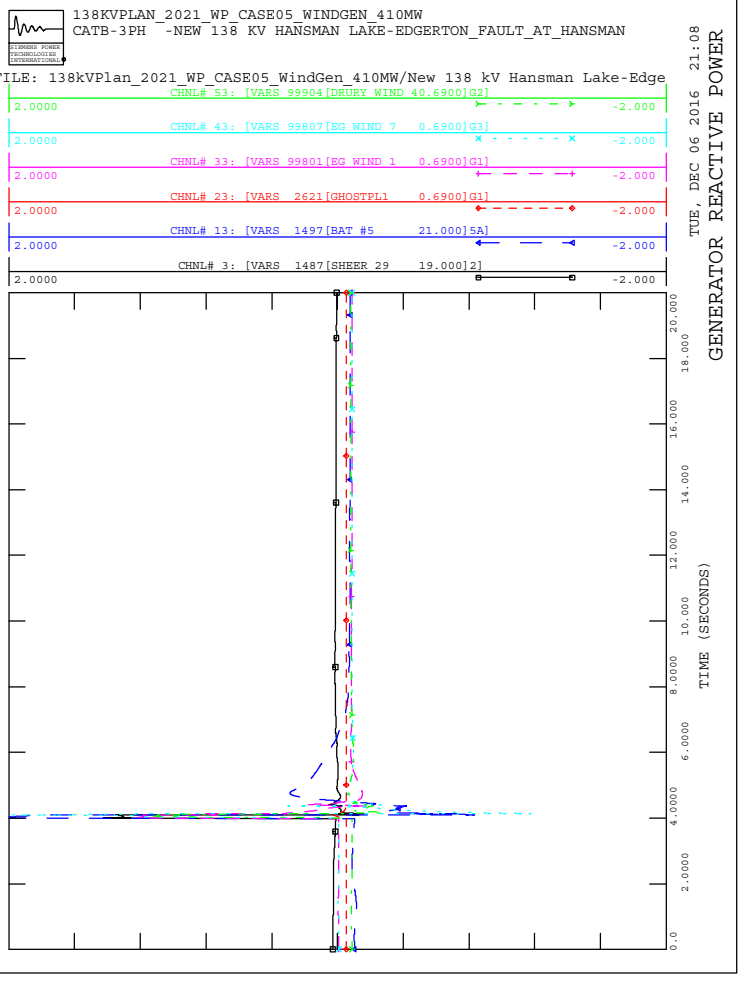
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
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CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
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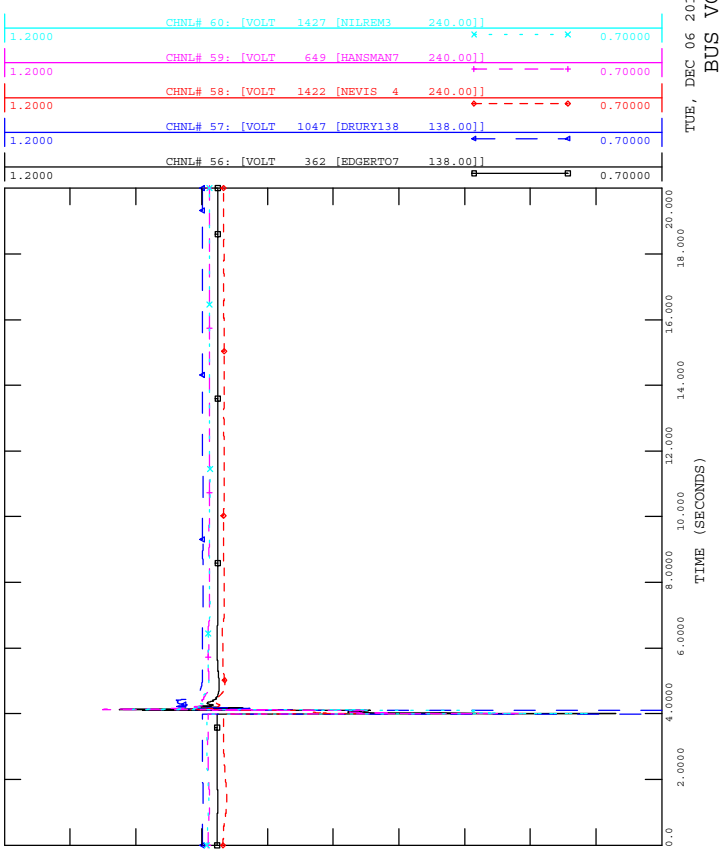
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:08

BUS VOLTAGE

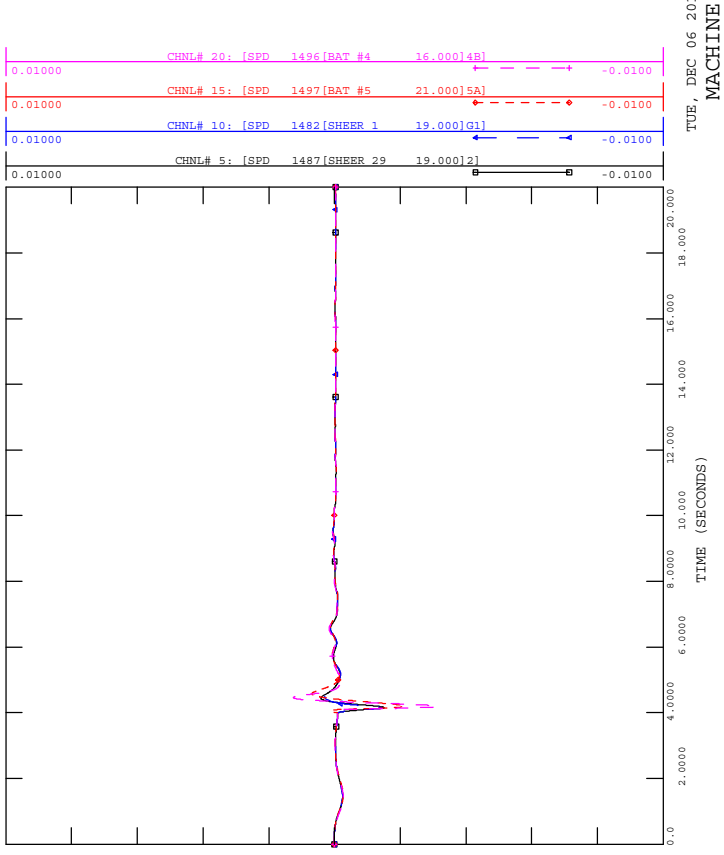


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:08

MACHINE SPEED



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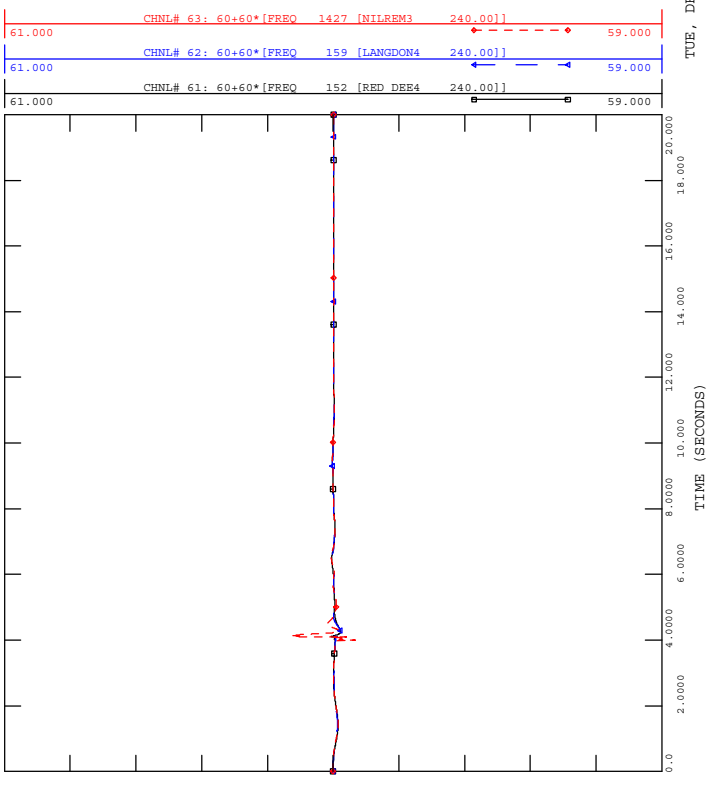

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
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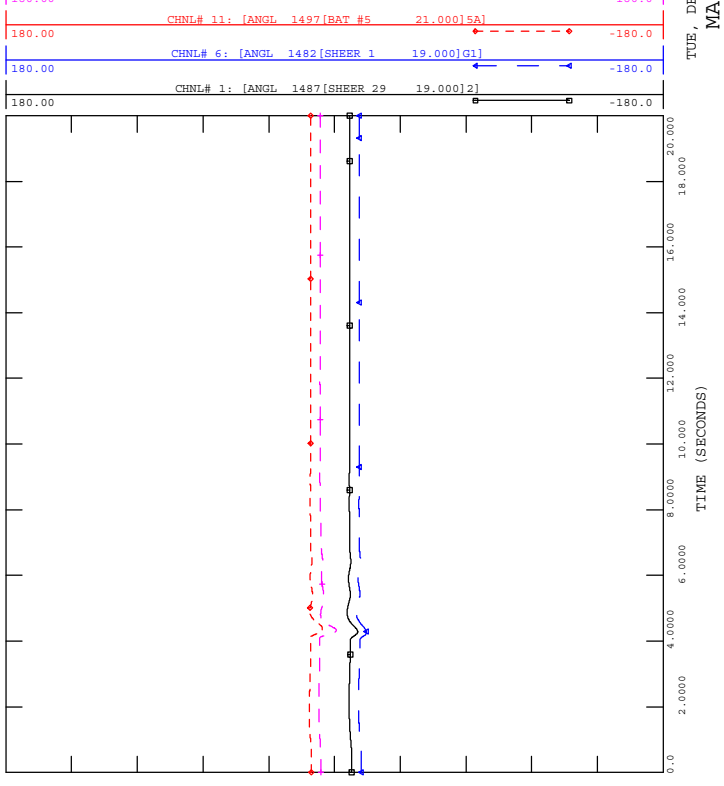
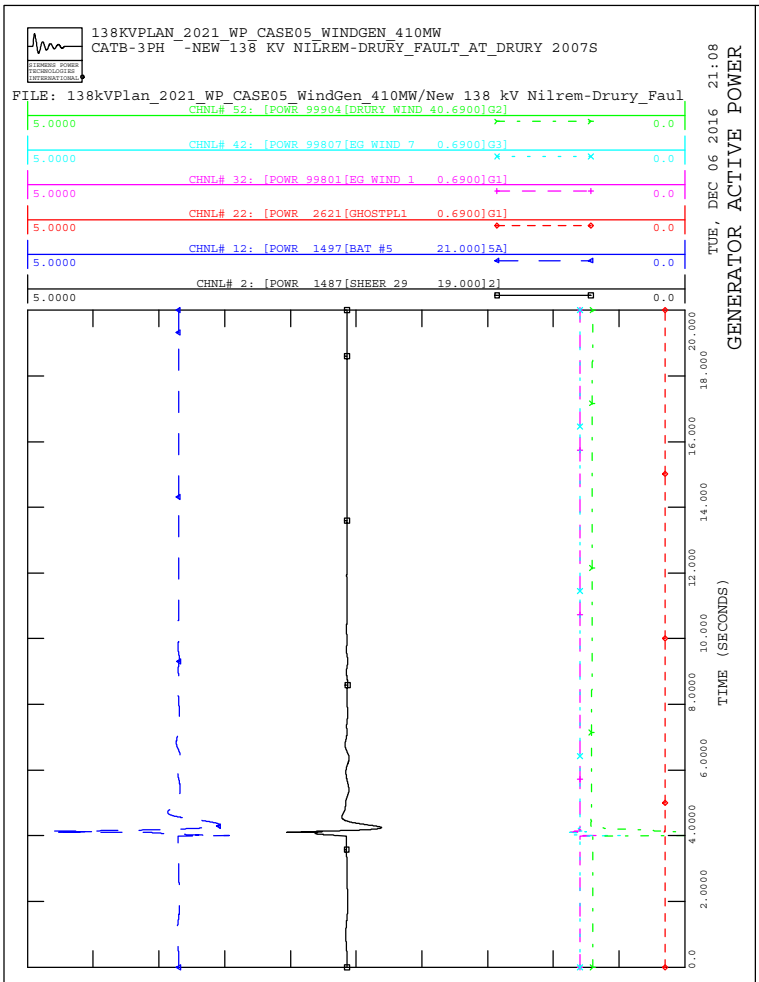
MACHINE ANGLE

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CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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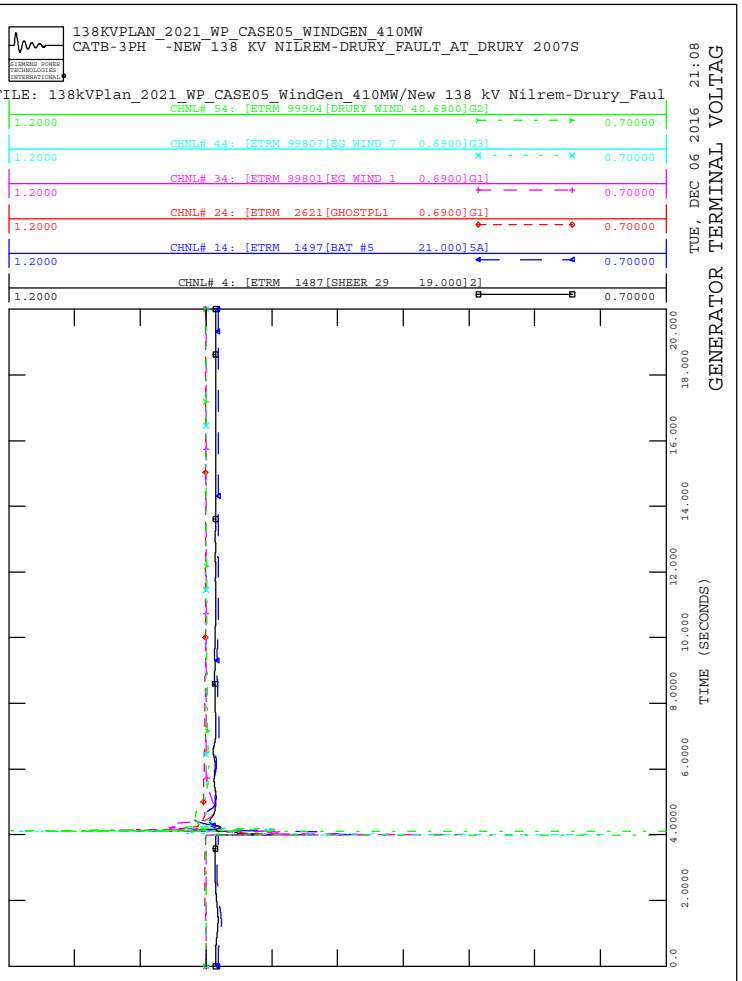
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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GENERATOR TERMINAL VOLTAG
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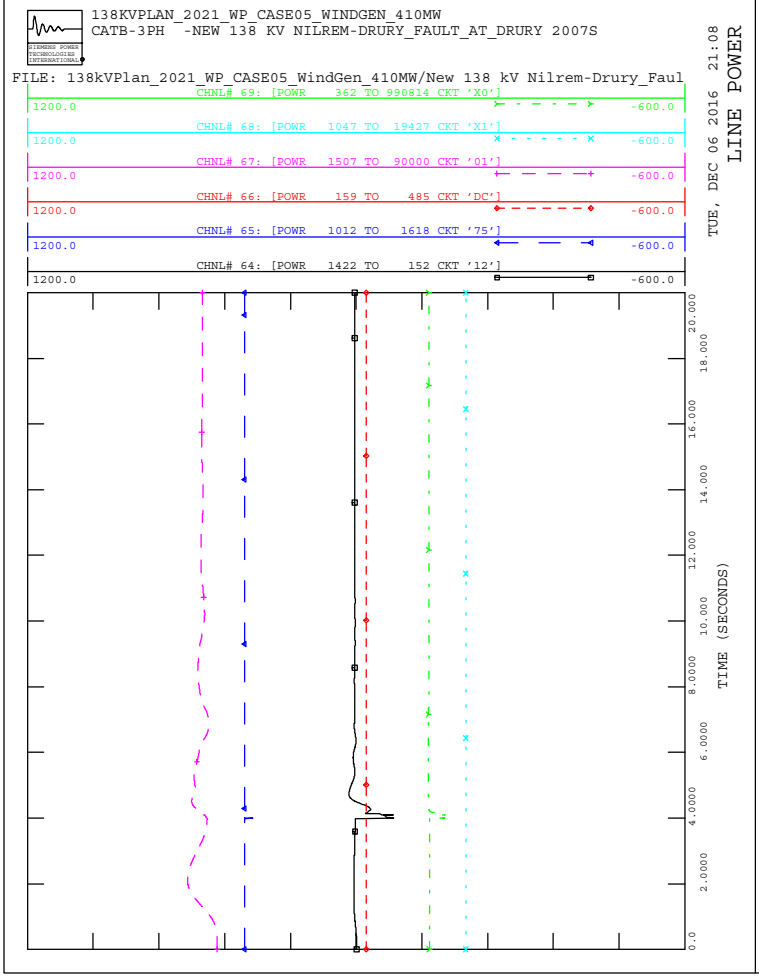
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CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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TUE, DEC 06 2016 21:08
LINE POWER
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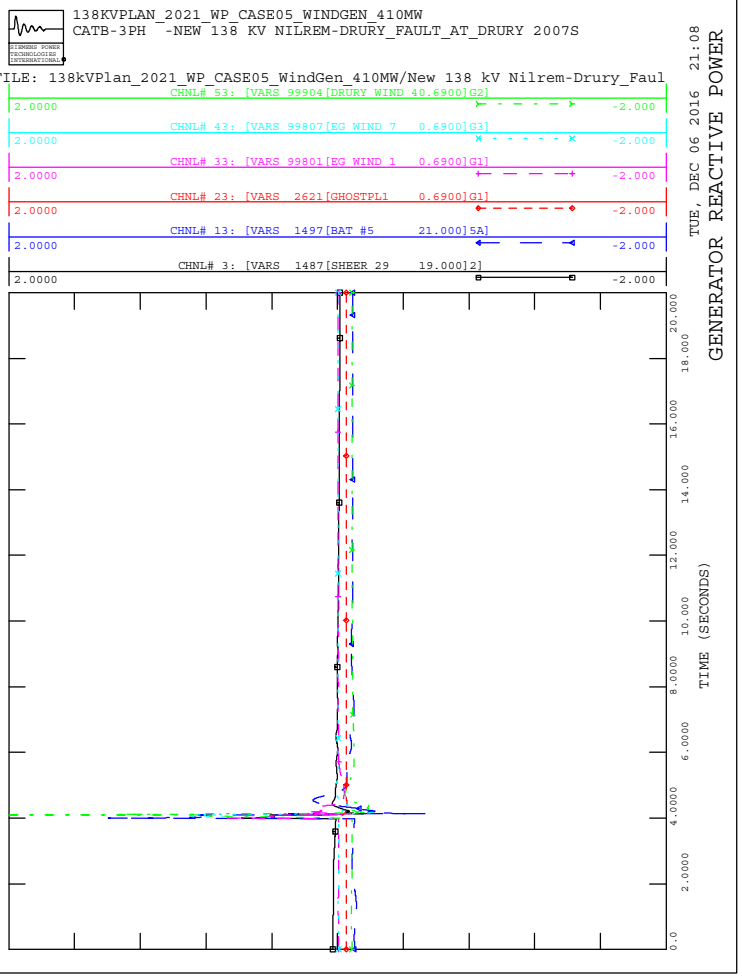
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
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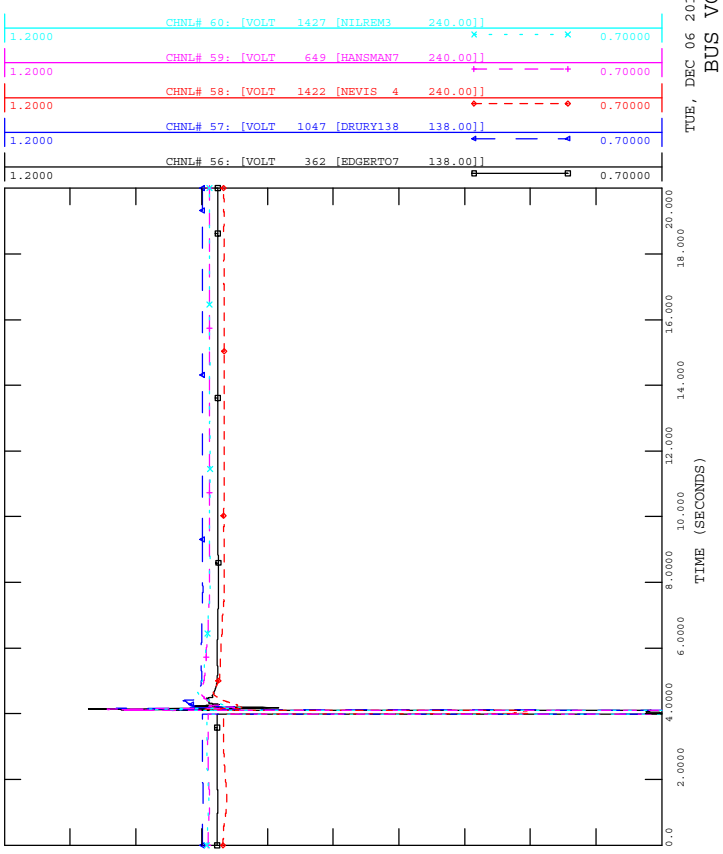
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:08

BUS VOLTAGE



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

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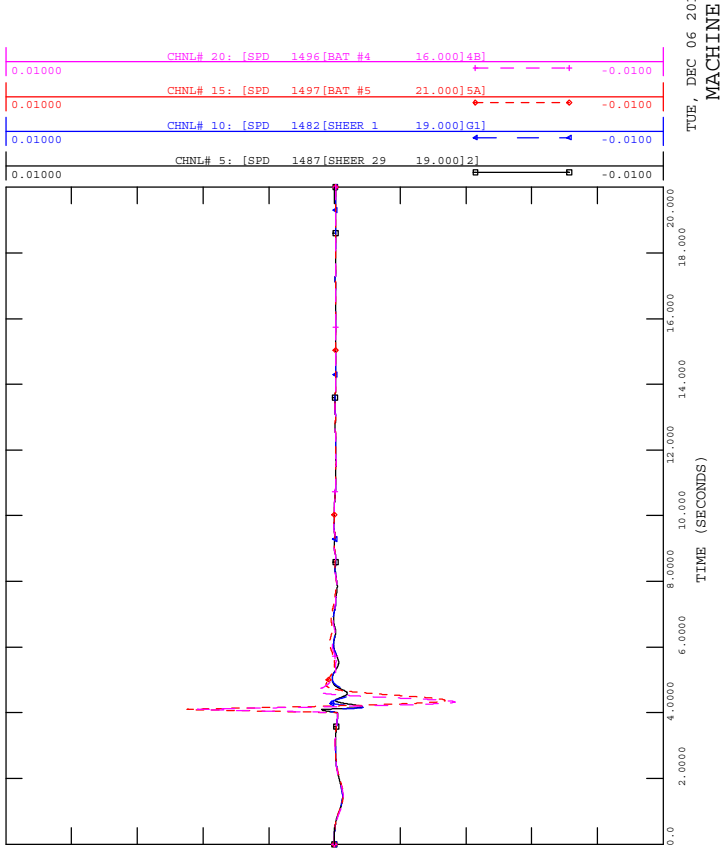
MACHINE SPEED

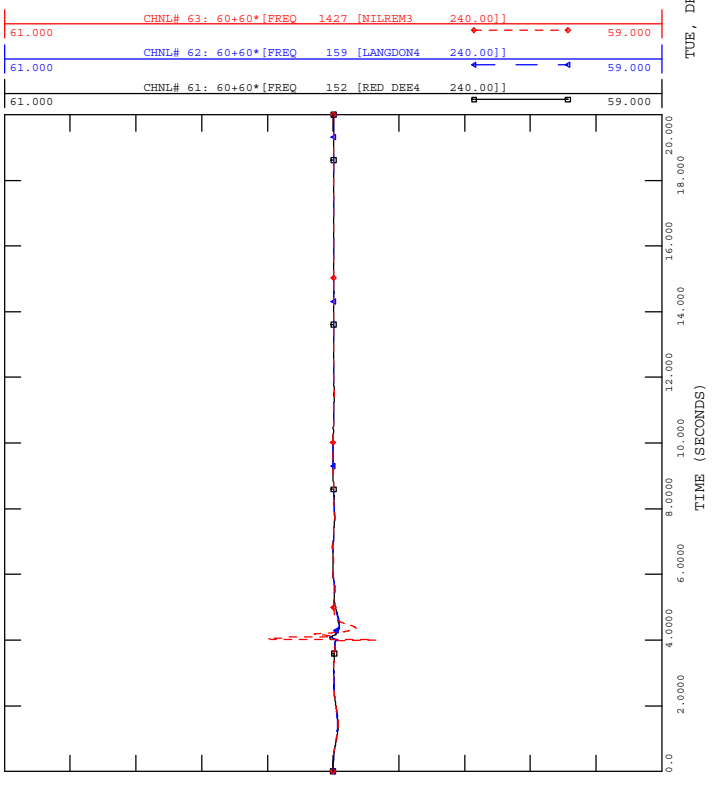


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:08

FREQUENCY

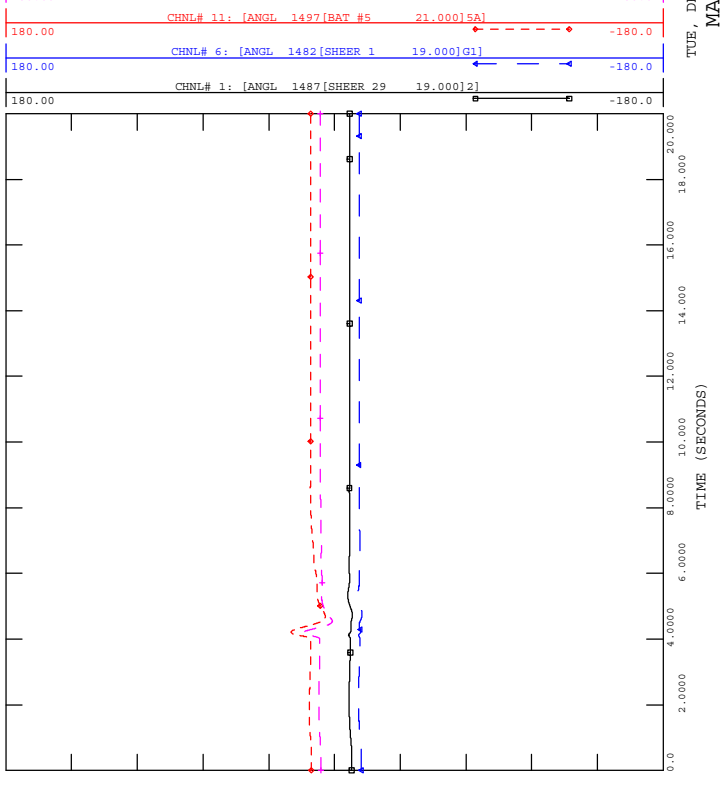


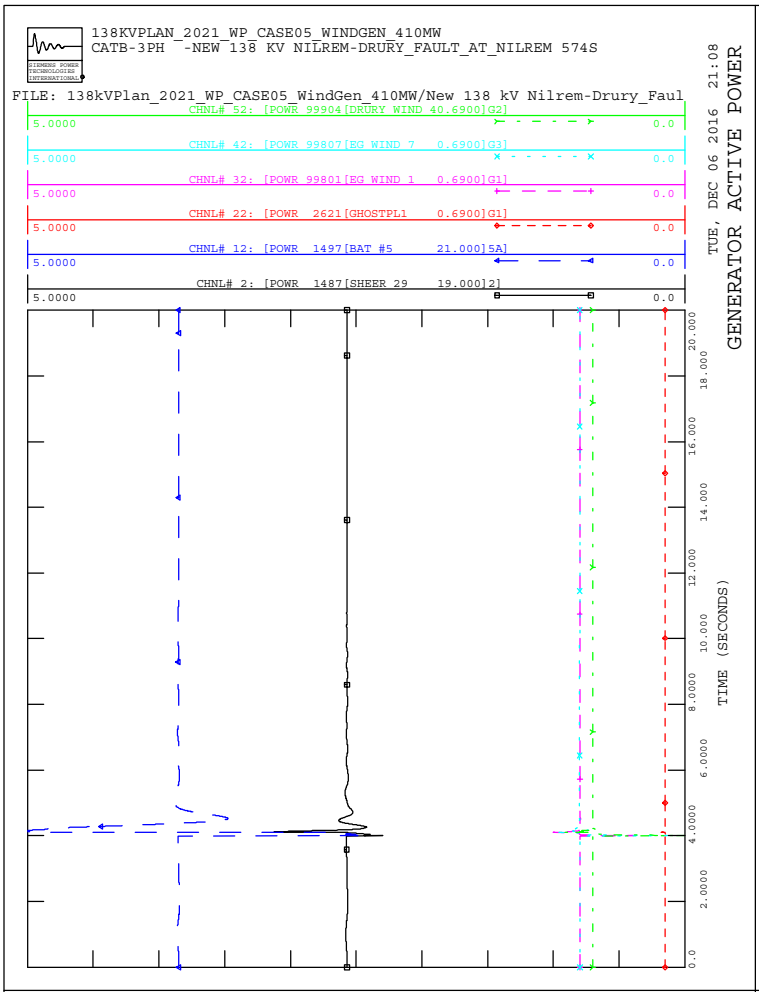
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

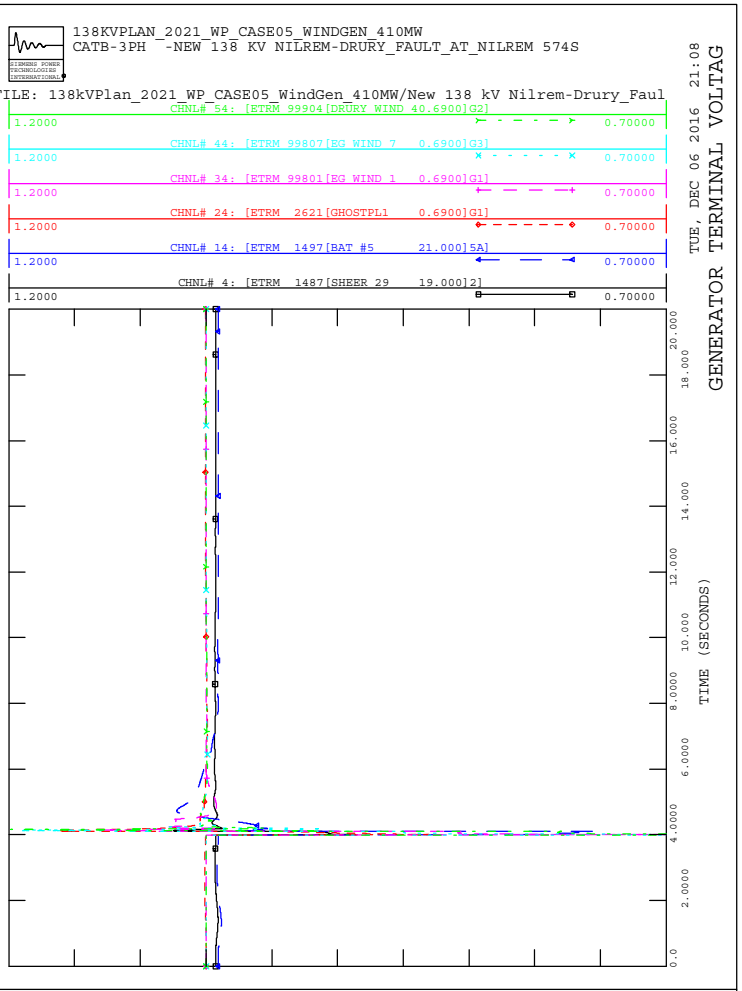
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

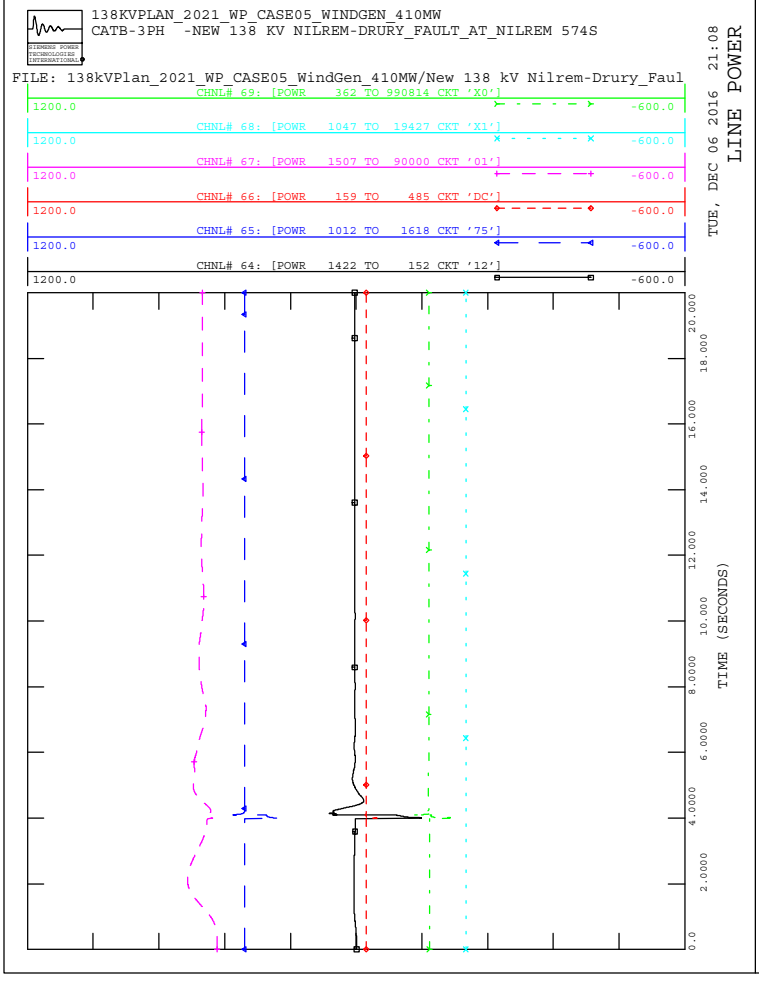
TUE, DEC 06 2016 21:08

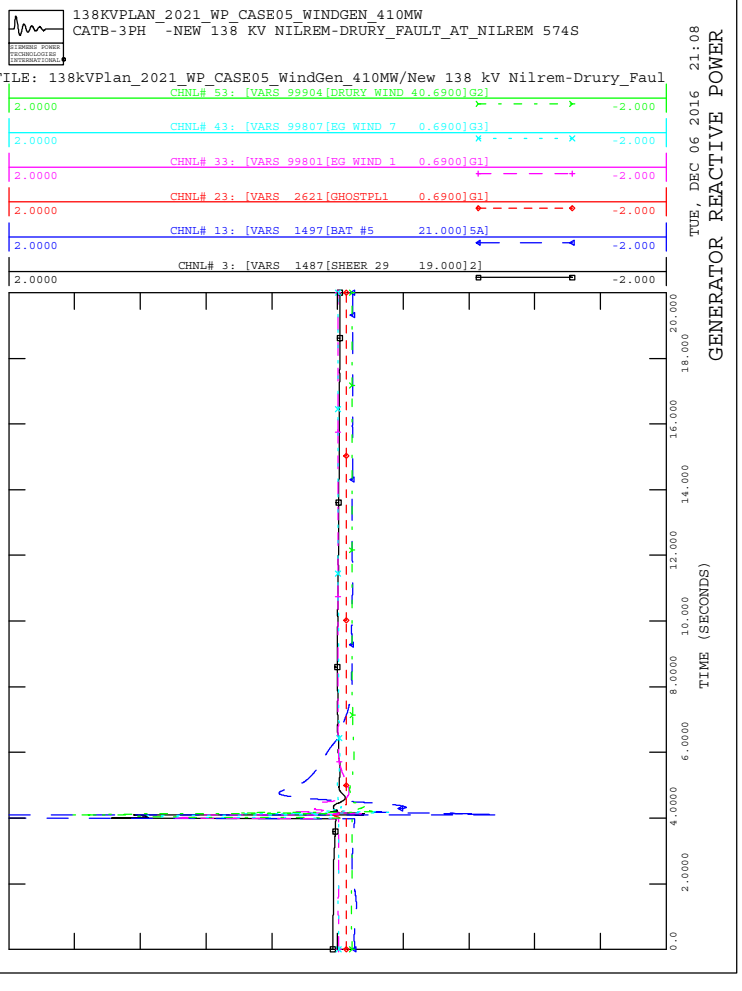
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:08
LINE POWER
TIME (SECONDS)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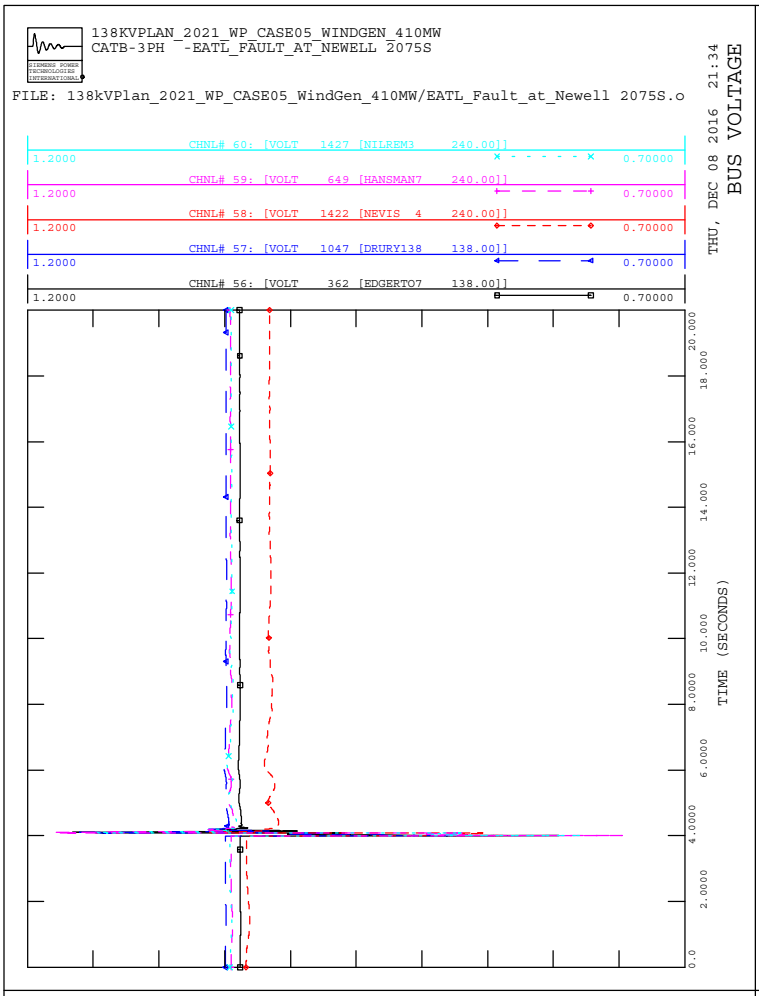
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:08
GENERATOR REACTIVE POWER
TIME (SECONDS)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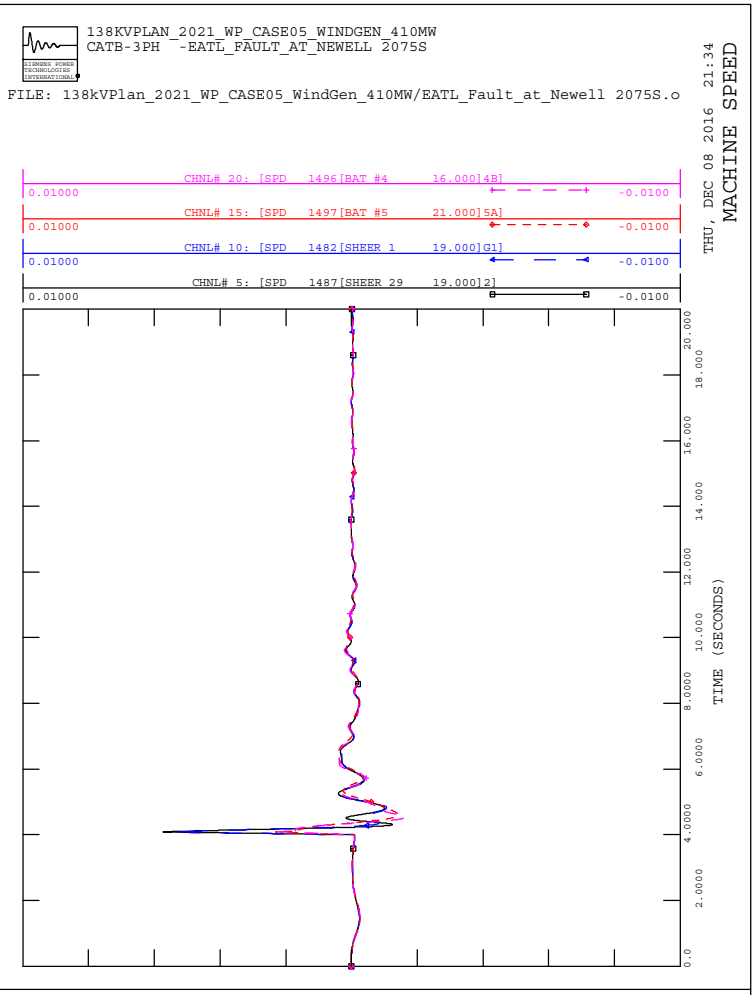
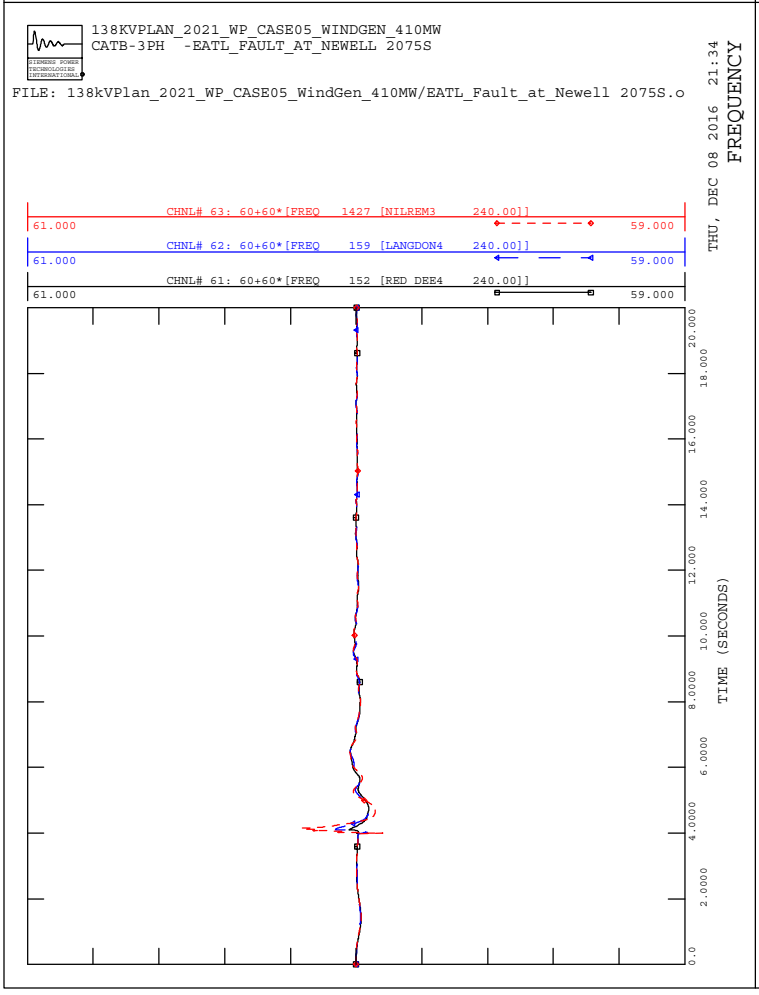
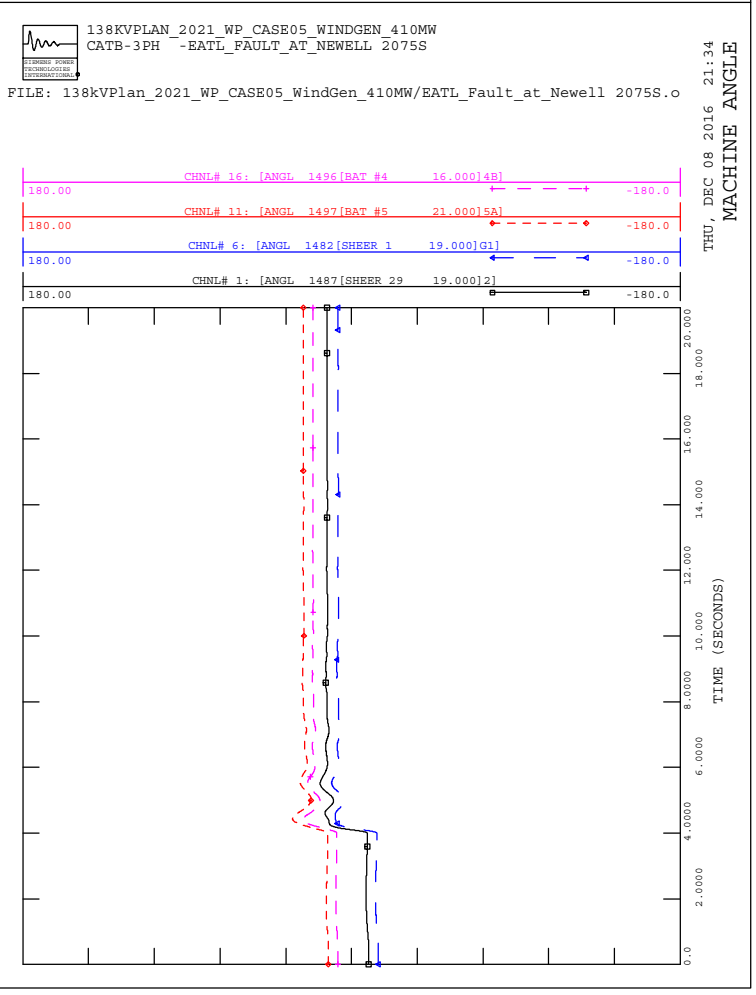
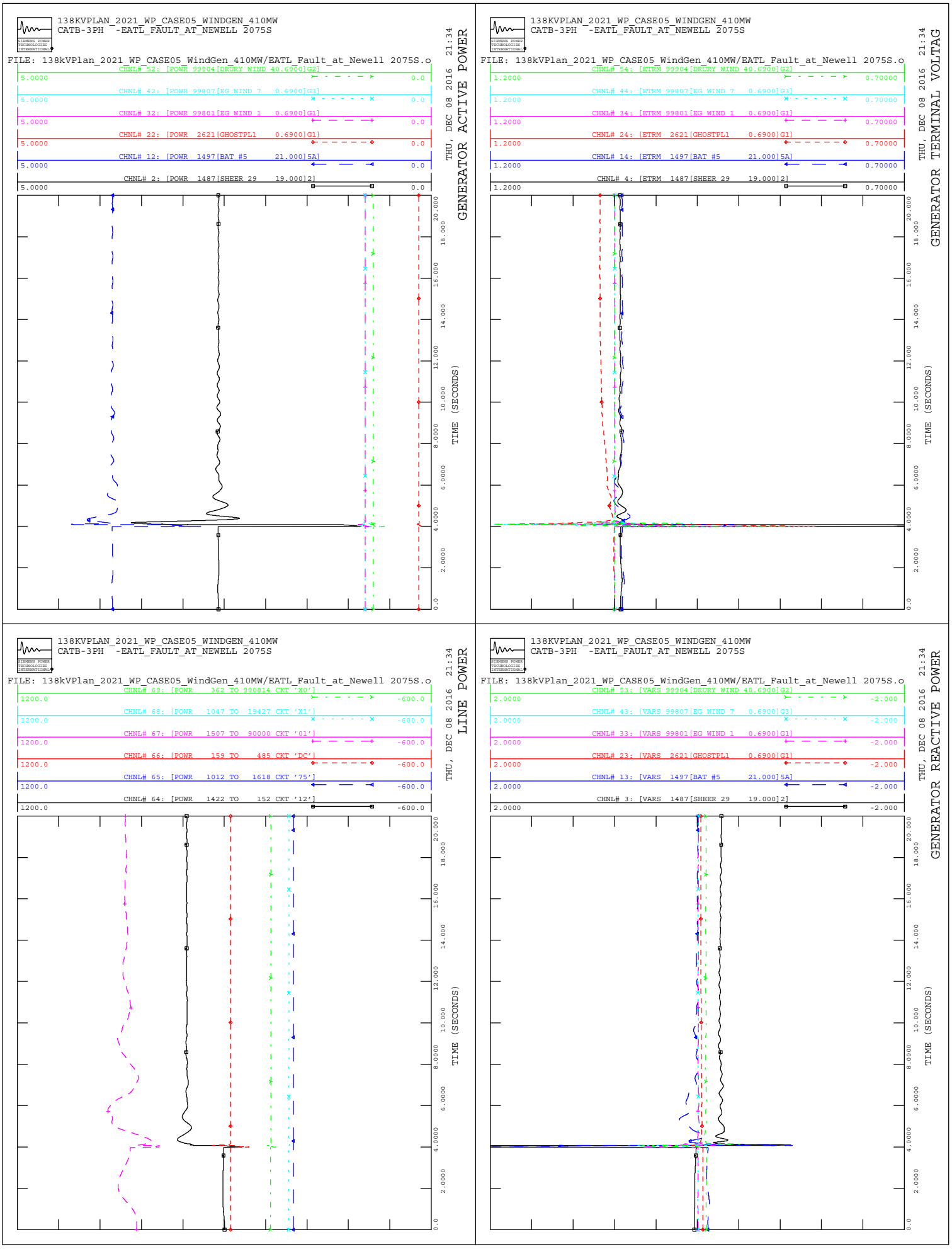
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
THU, DEC 08 2016 21:34
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
THU, DEC 08 2016 21:34
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
THU, DEC 08 2016 21:34
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
THU, DEC 08 2016 21:34
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
THU, DEC 08 2016 21:34
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

Transient Stability Analysis Plots

Alternative 1-138 kV Plan

2021 Summer Light

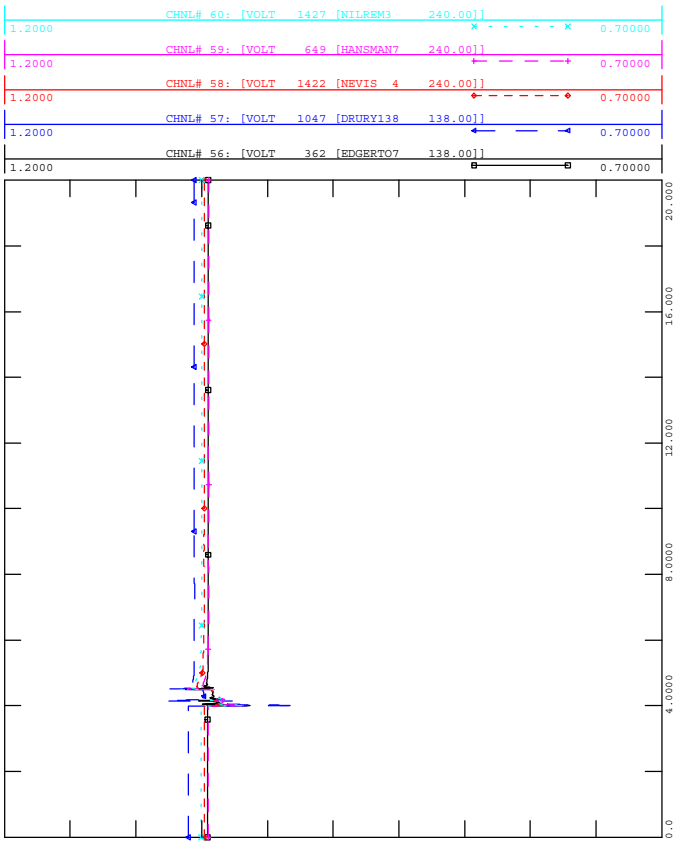
Category B (Single-line-to-ground Fault)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3

TUE, DEC 06 2016 21:29

BUS VOLTAGE

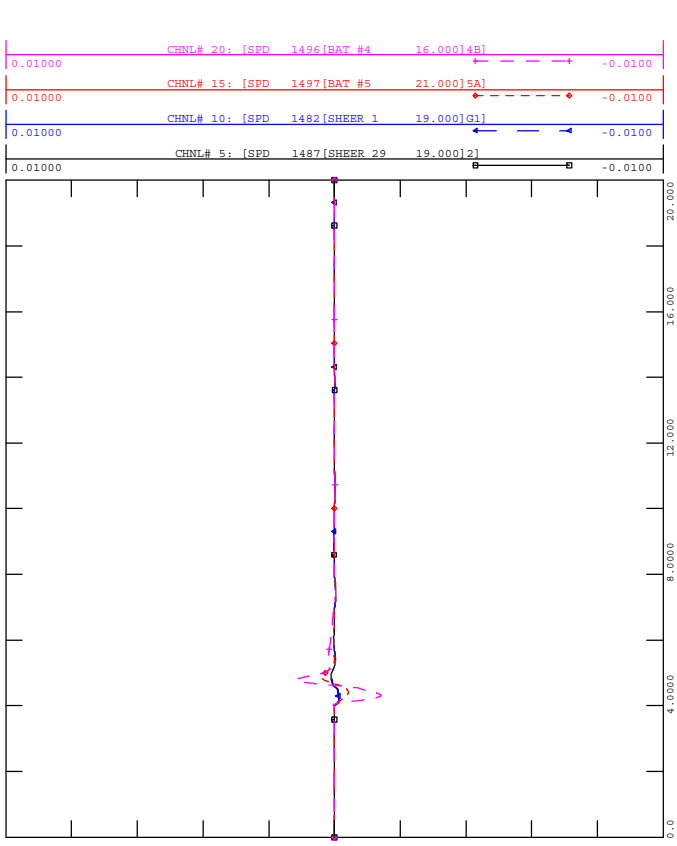


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3

TUE, DEC 06 2016 21:29

MACHINE SPEED

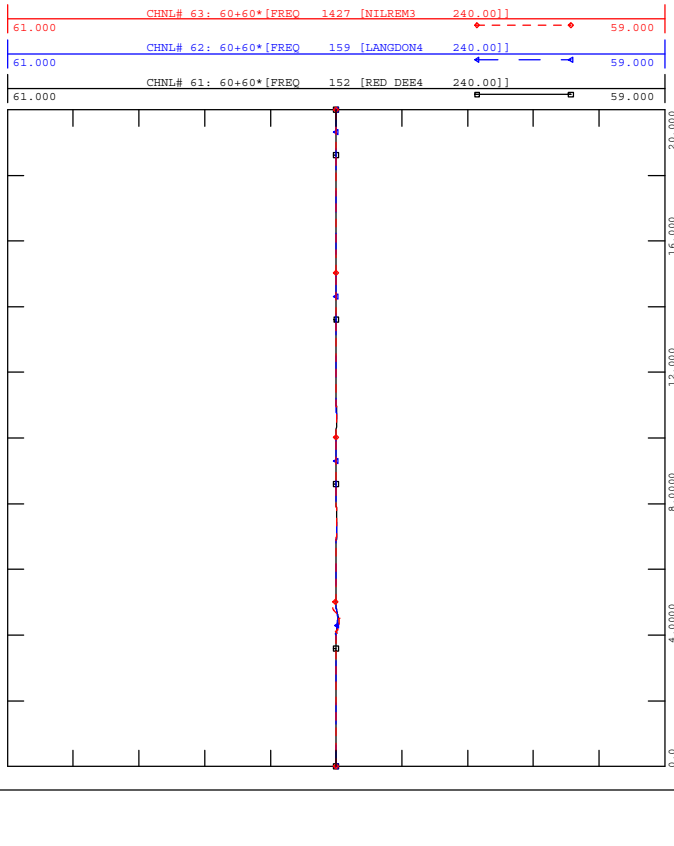


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3

TUE, DEC 06 2016 21:29

FREQUENCY

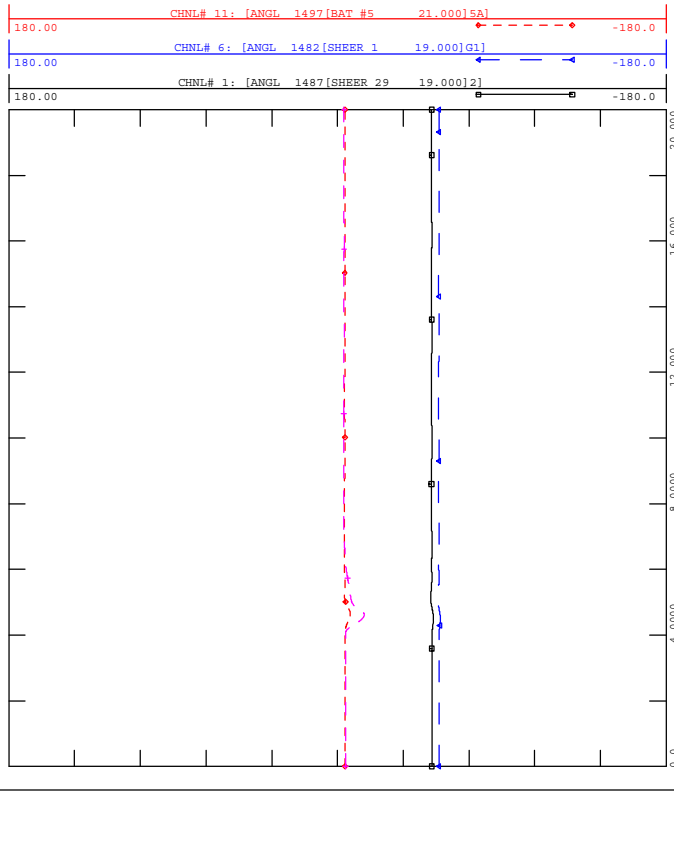


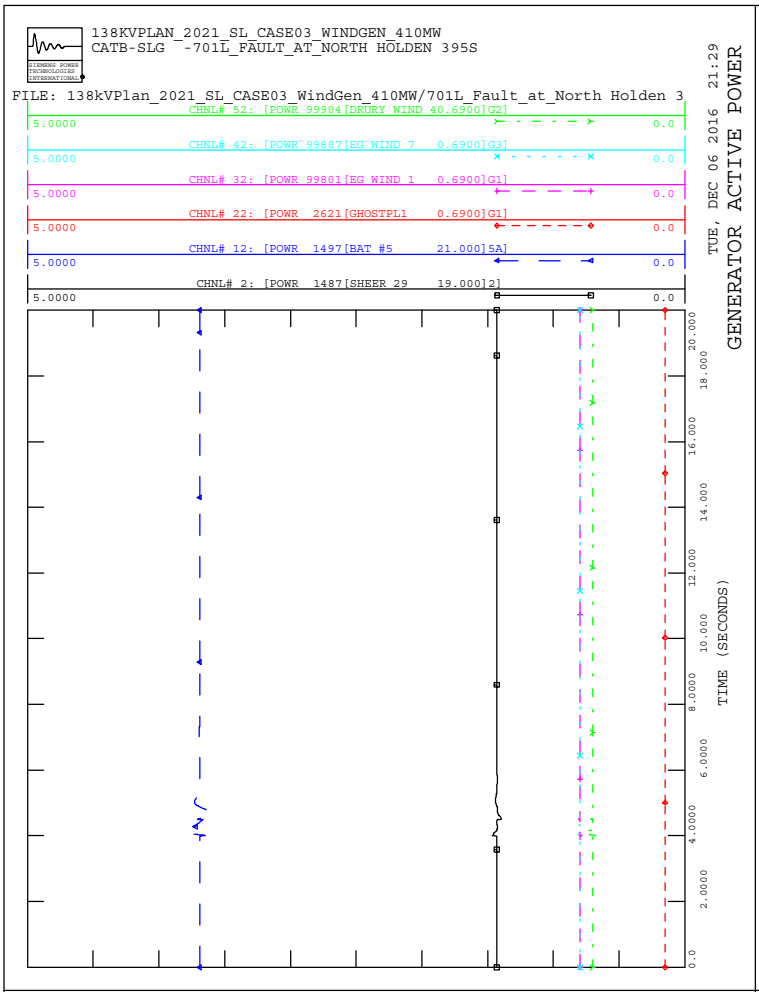
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

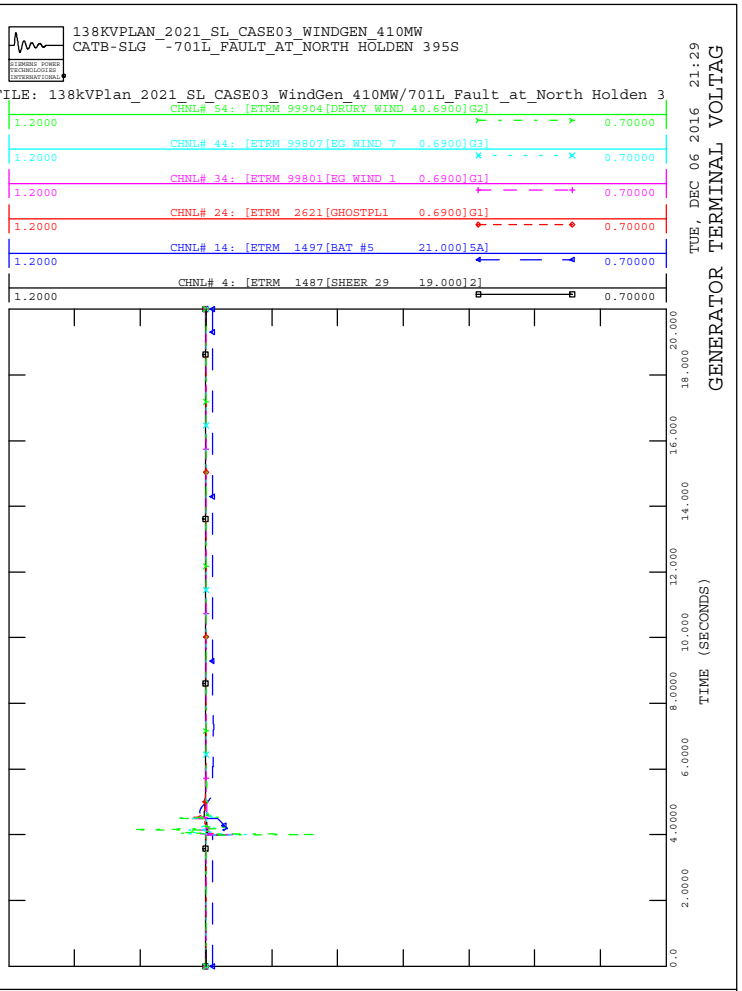
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3

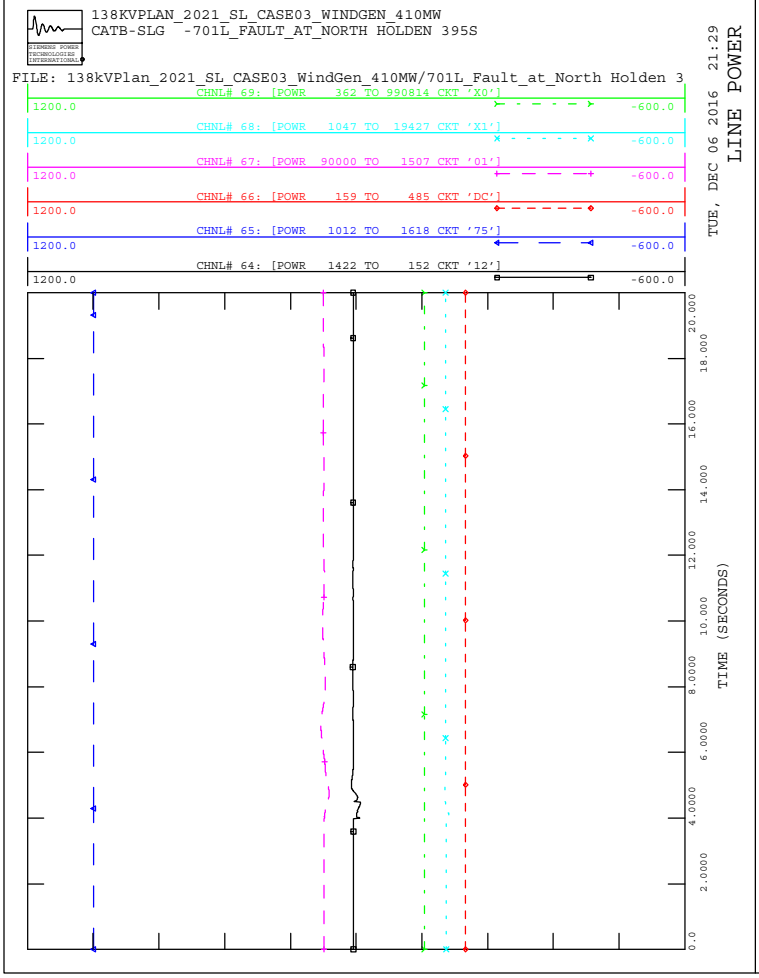
TUE, DEC 06 2016 21:29

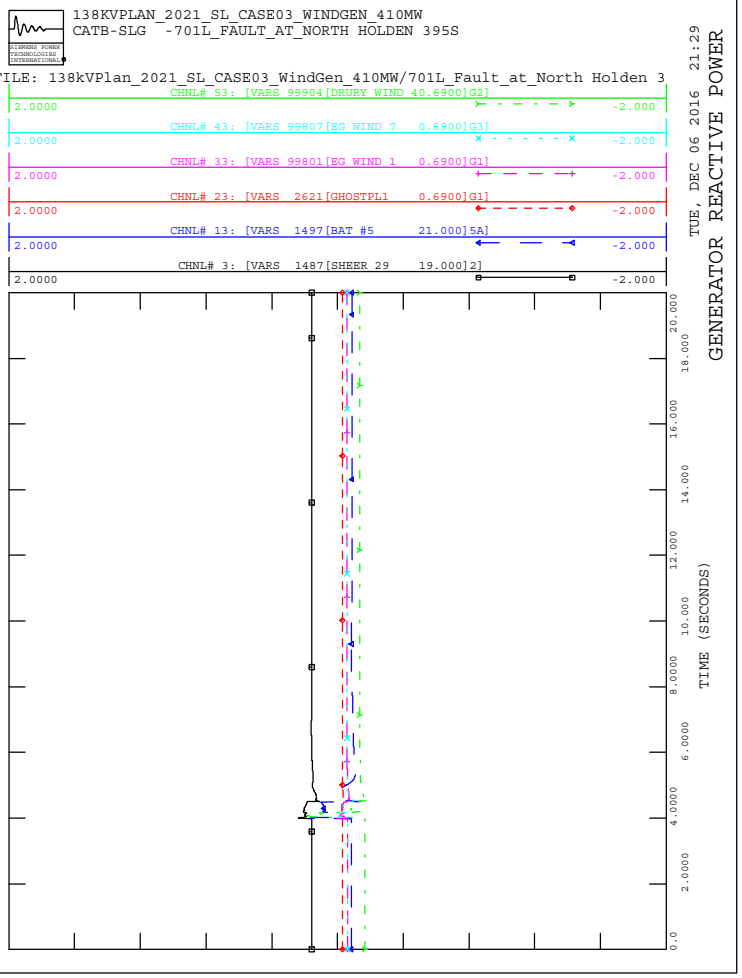
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:29
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:29
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:29
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

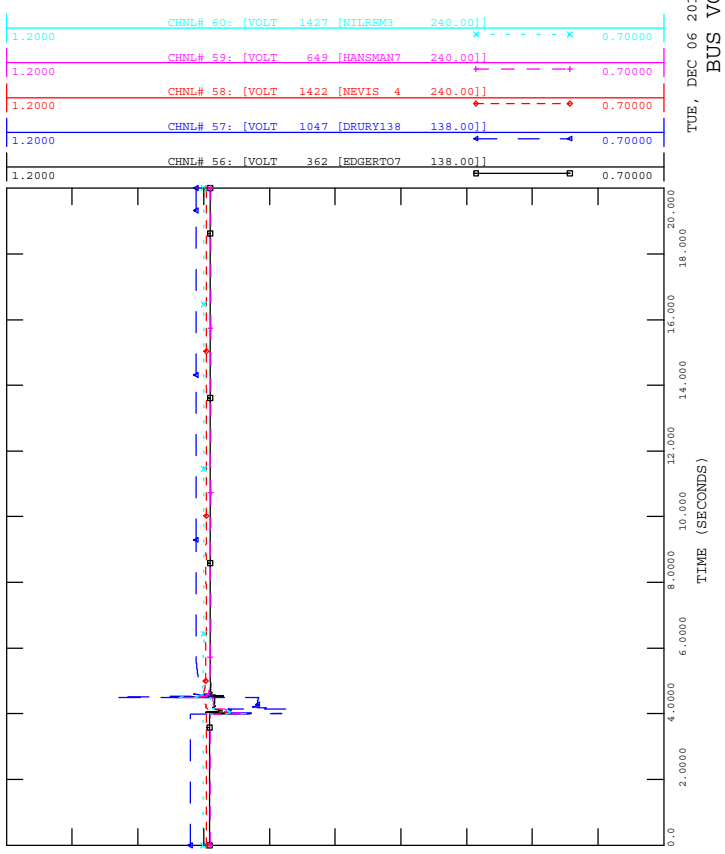

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:29
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou

TUE, DEC 06 2016 21:29

BUS VOLTAGE

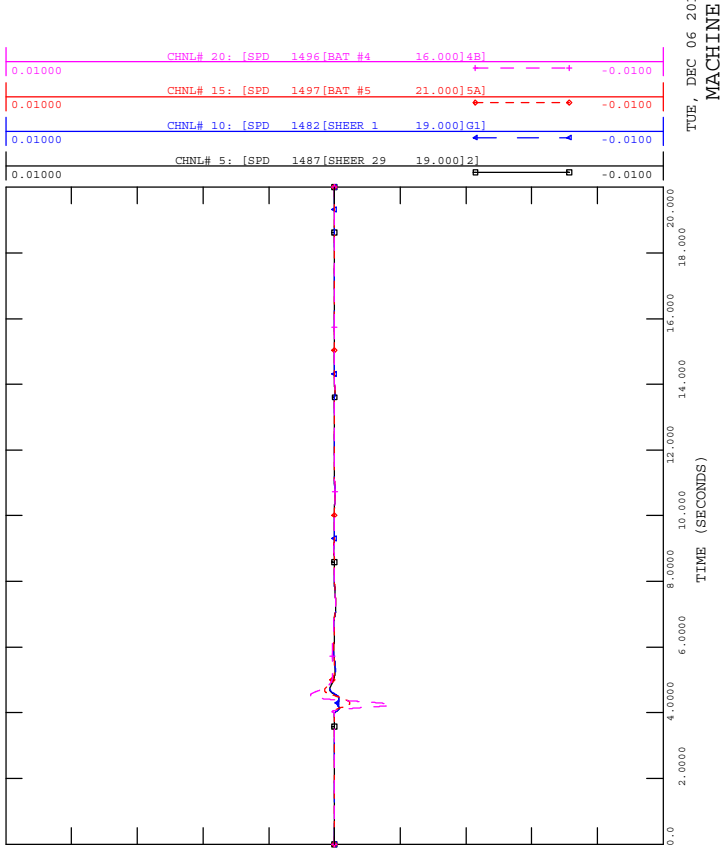


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou

TUE, DEC 06 2016 21:29

MACHINE SPEED

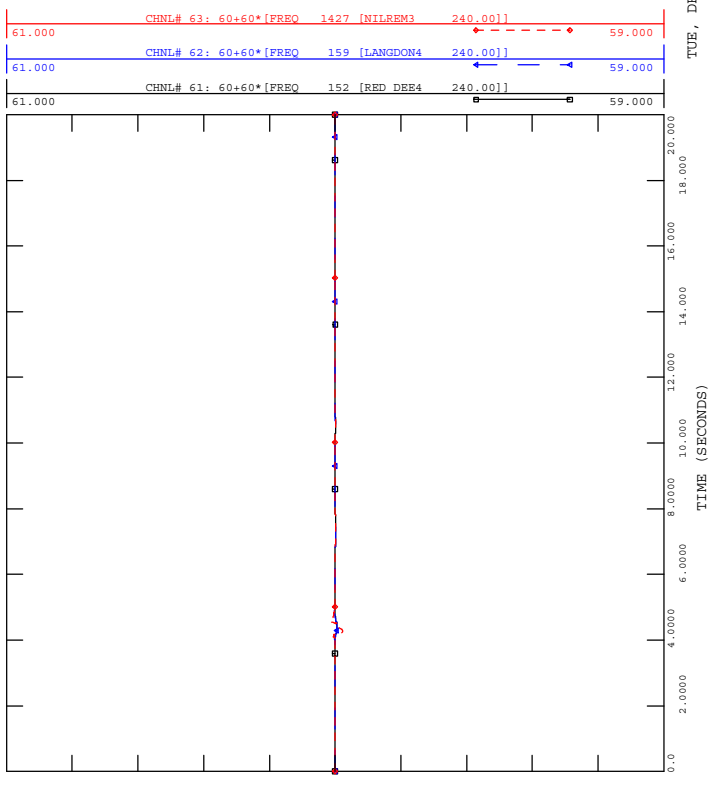


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou

TUE, DEC 06 2016 21:29

FREQUENCY

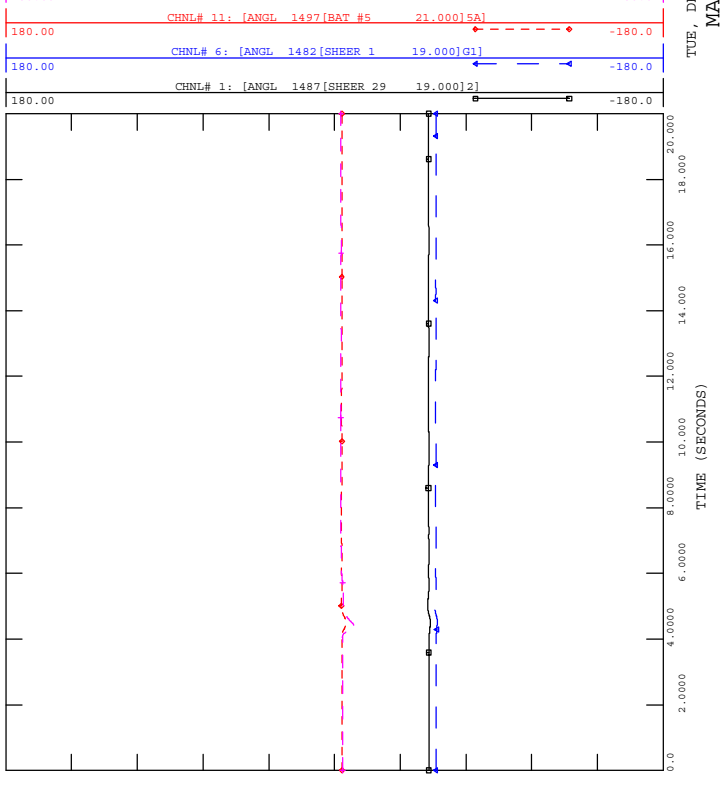


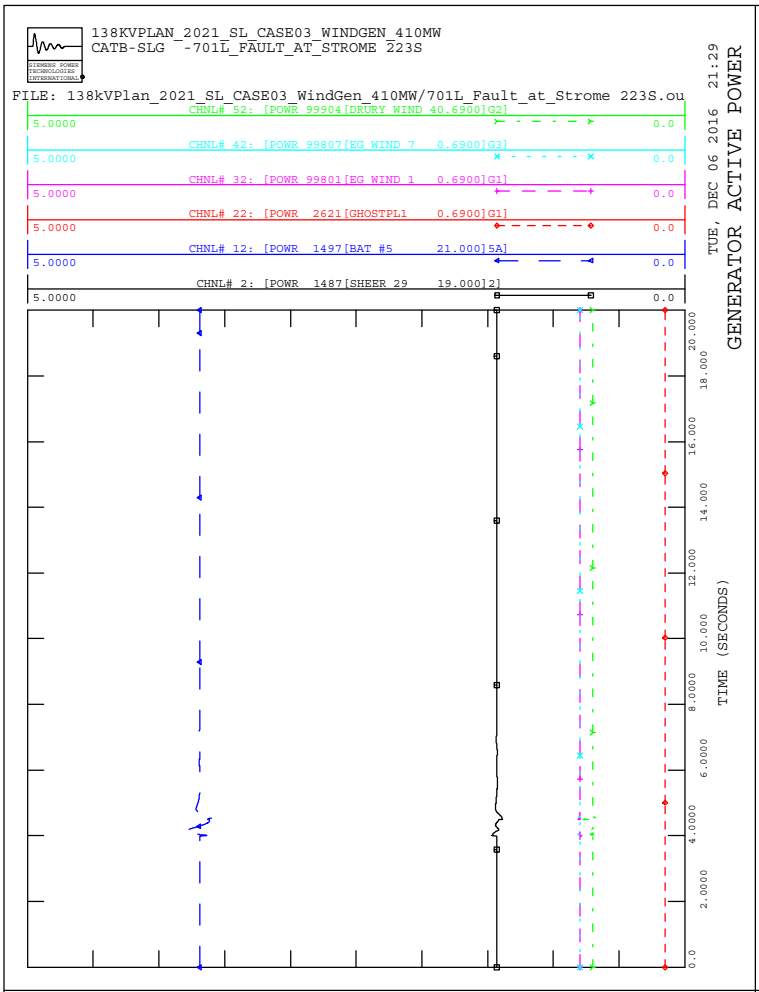
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou

TUE, DEC 06 2016 21:29

MACHINE ANGLE

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CATB-SLG -701L_FAULT_AT_STROME 223S
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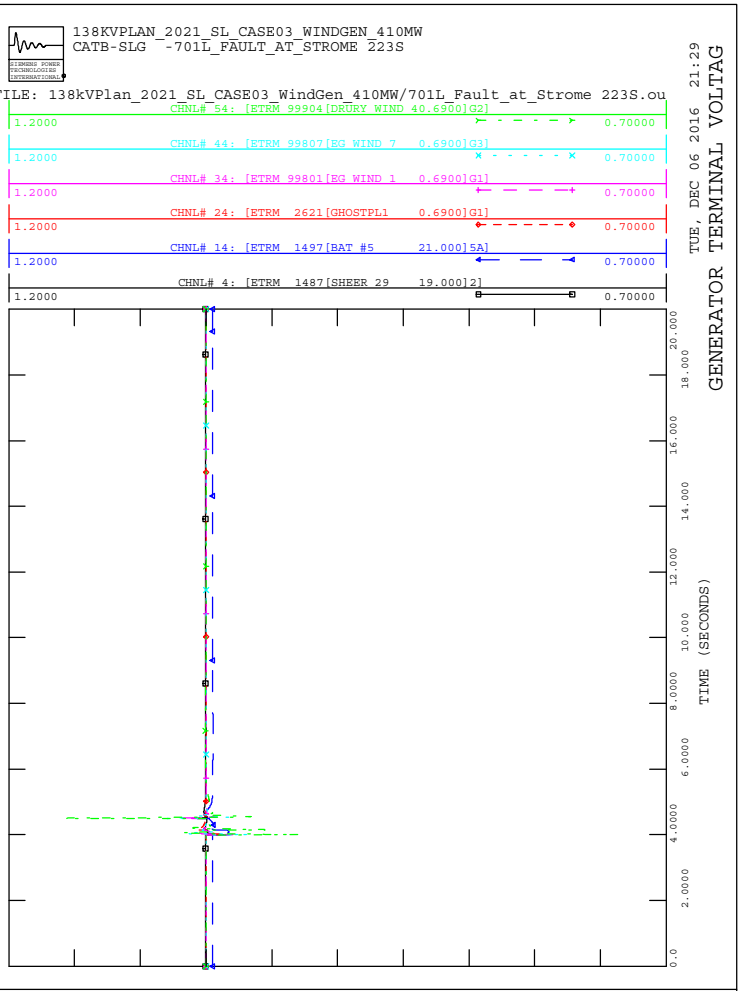
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:29
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:29
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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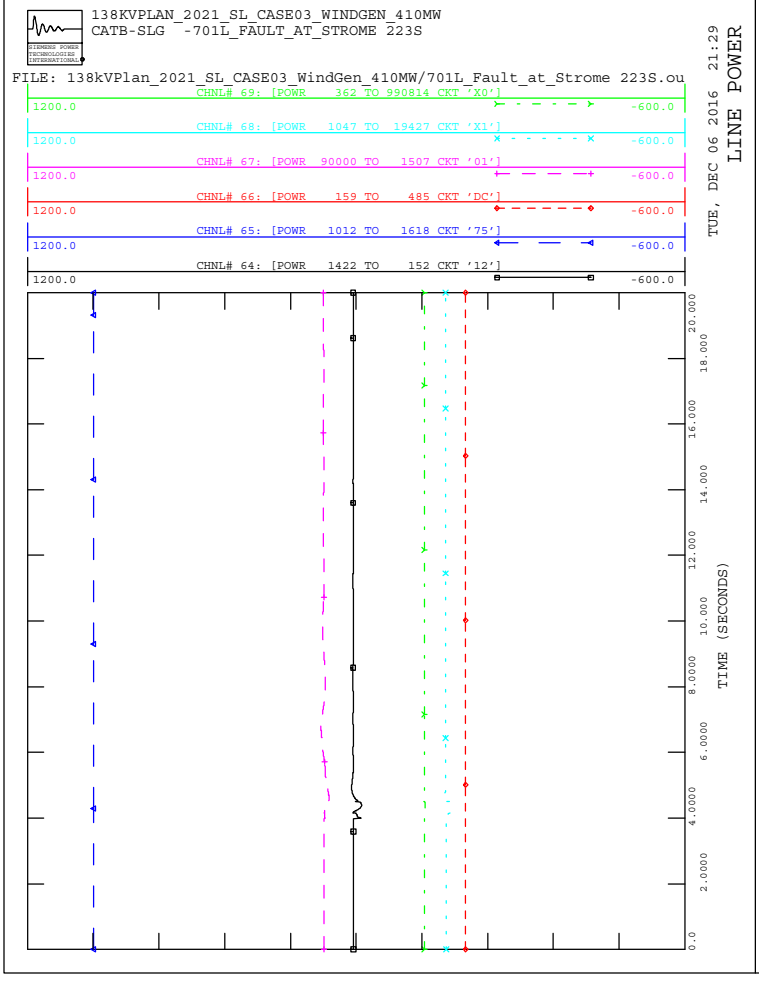
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:29
LINE POWER
TIME (SECONDS)
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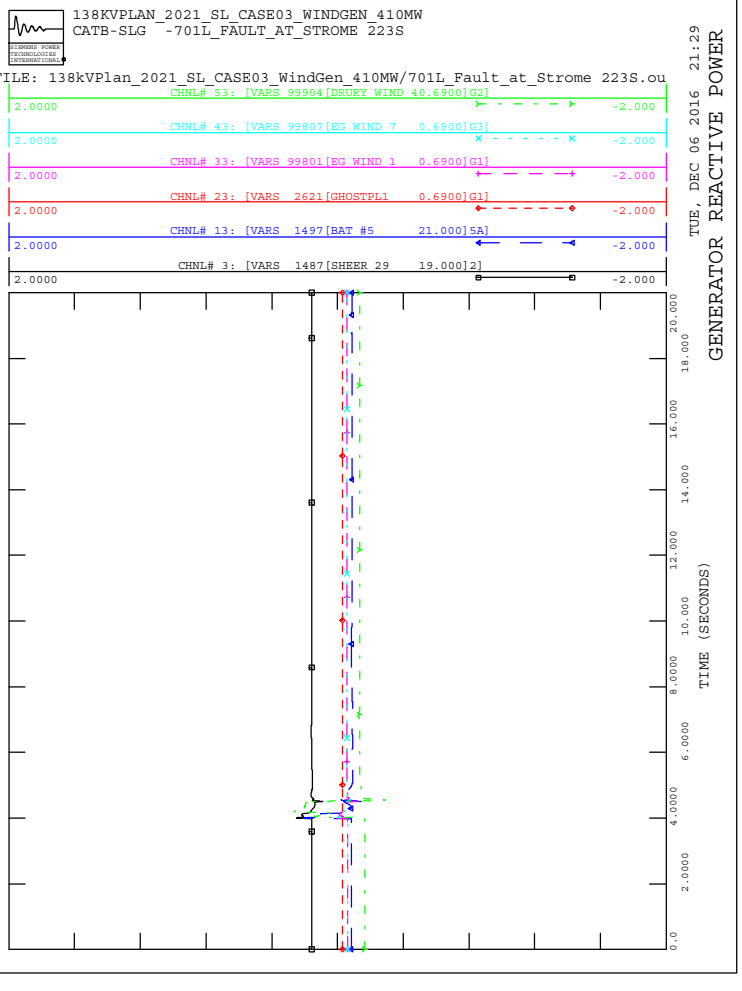
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_Fault_at_Strome 223S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:29
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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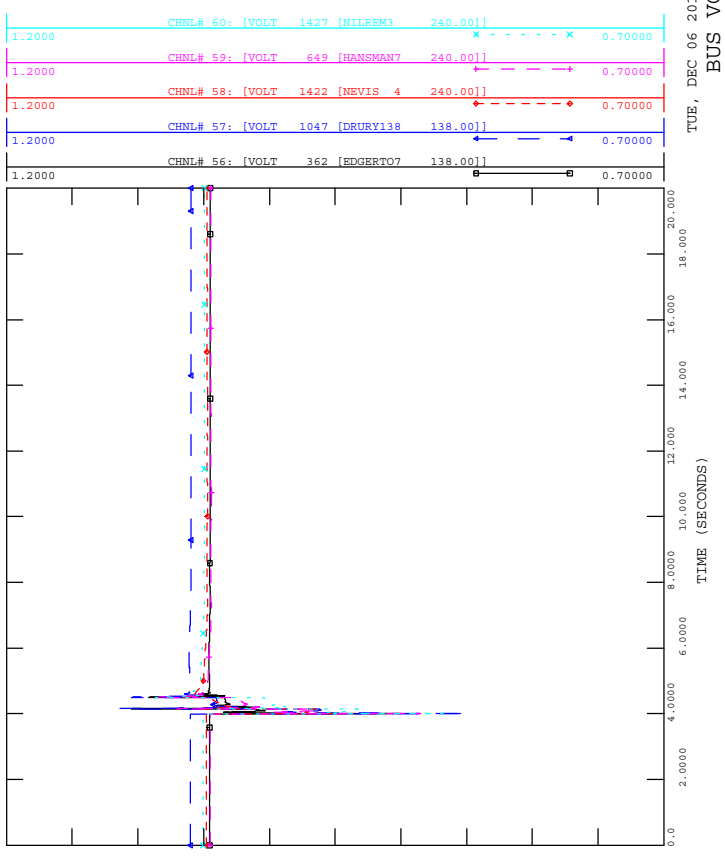
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7

TUE, DEC 06 2016 21:29

BUS VOLTAGE

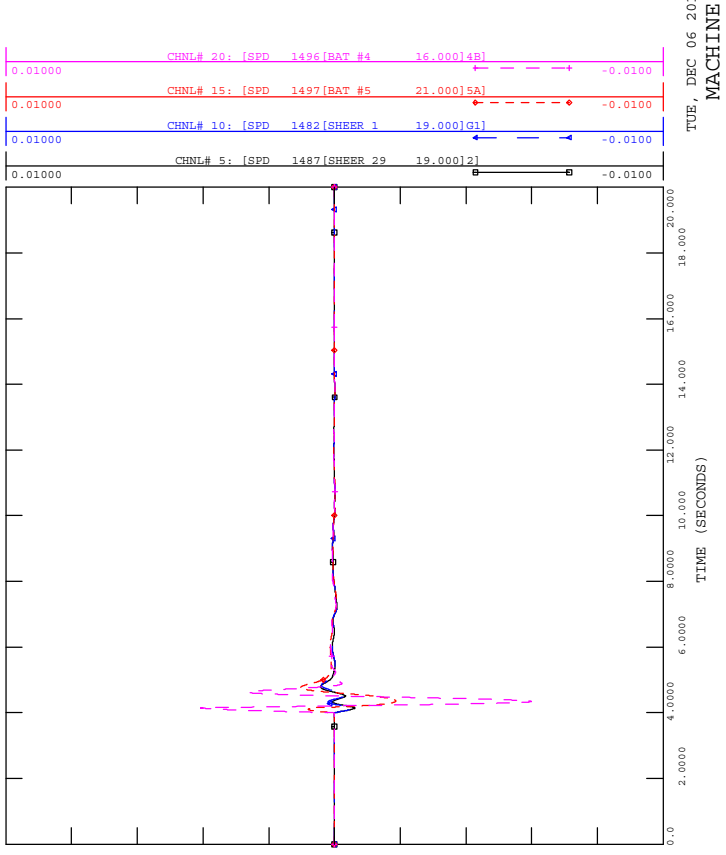


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7

TUE, DEC 06 2016 21:29

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7

TUE, DEC 06 2016 21:29

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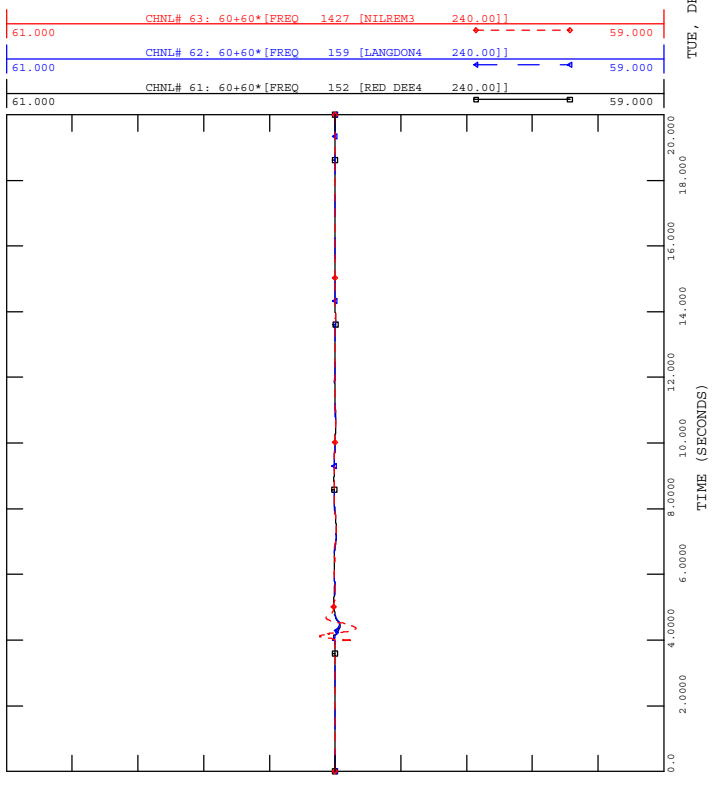
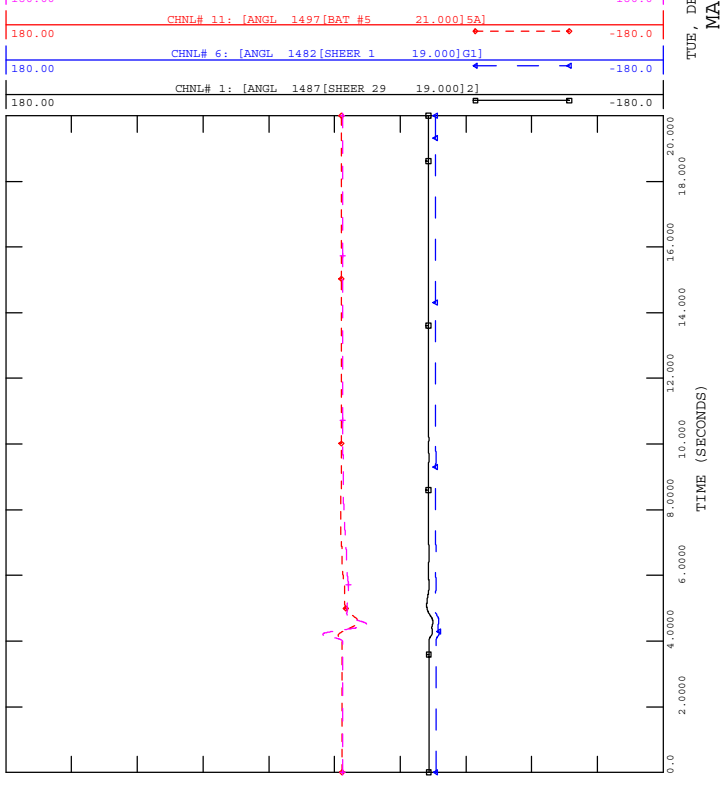


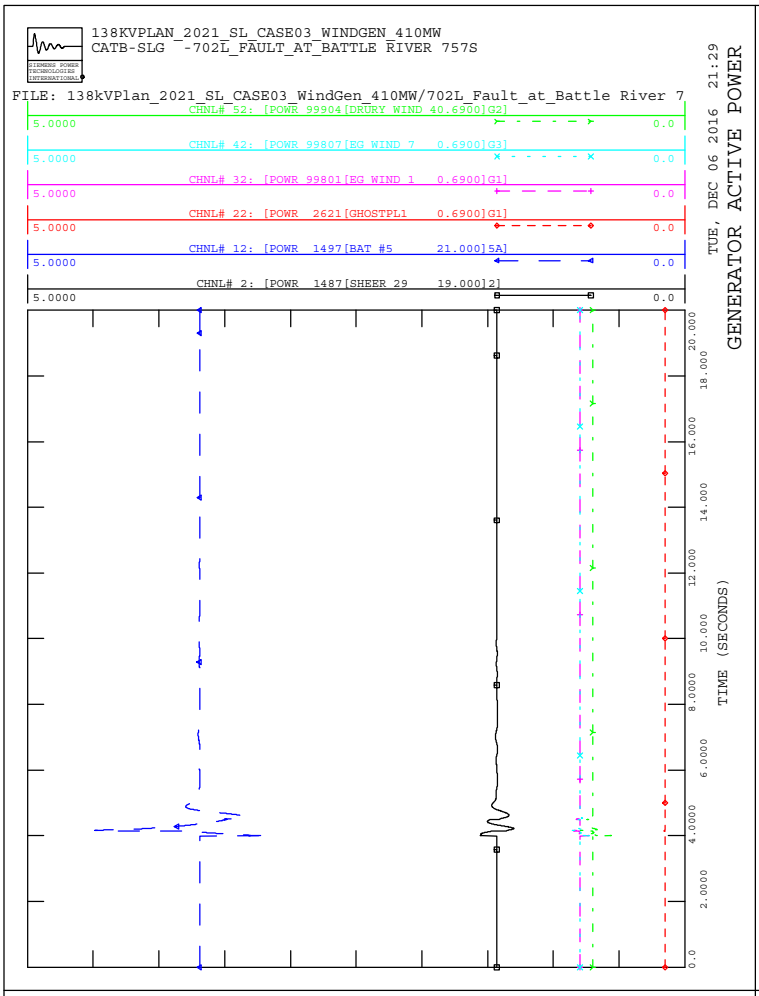
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7

TUE, DEC 06 2016 21:29

MACHINE ANGLE

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CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:29
GENERATOR ACTIVE POWER
TIME (SECONDS)
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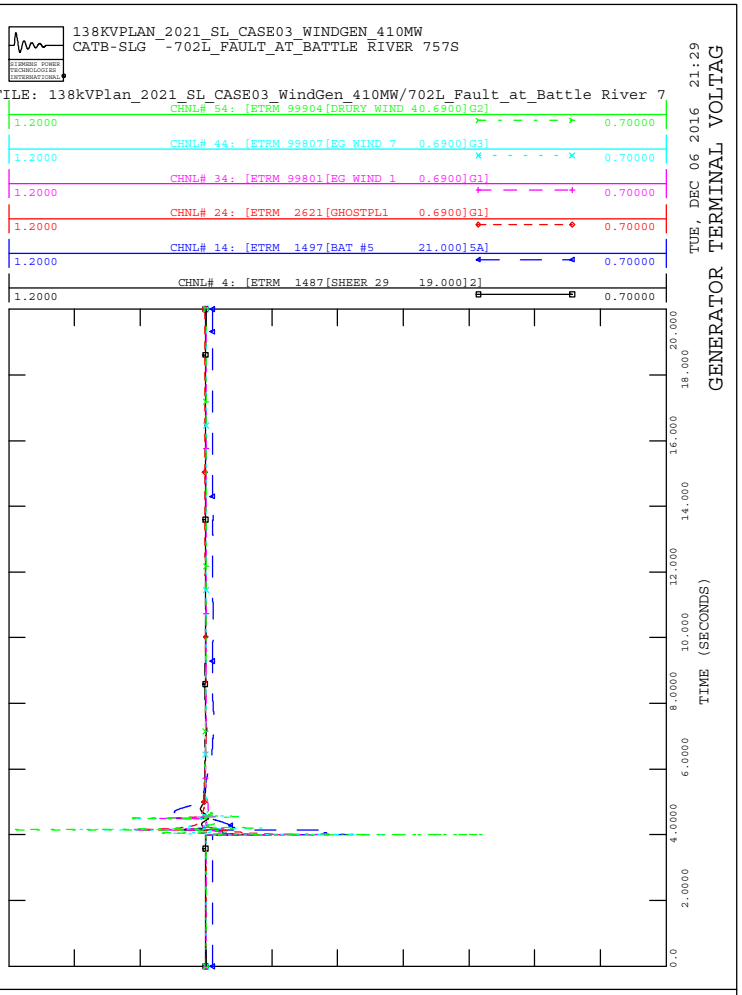
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:29
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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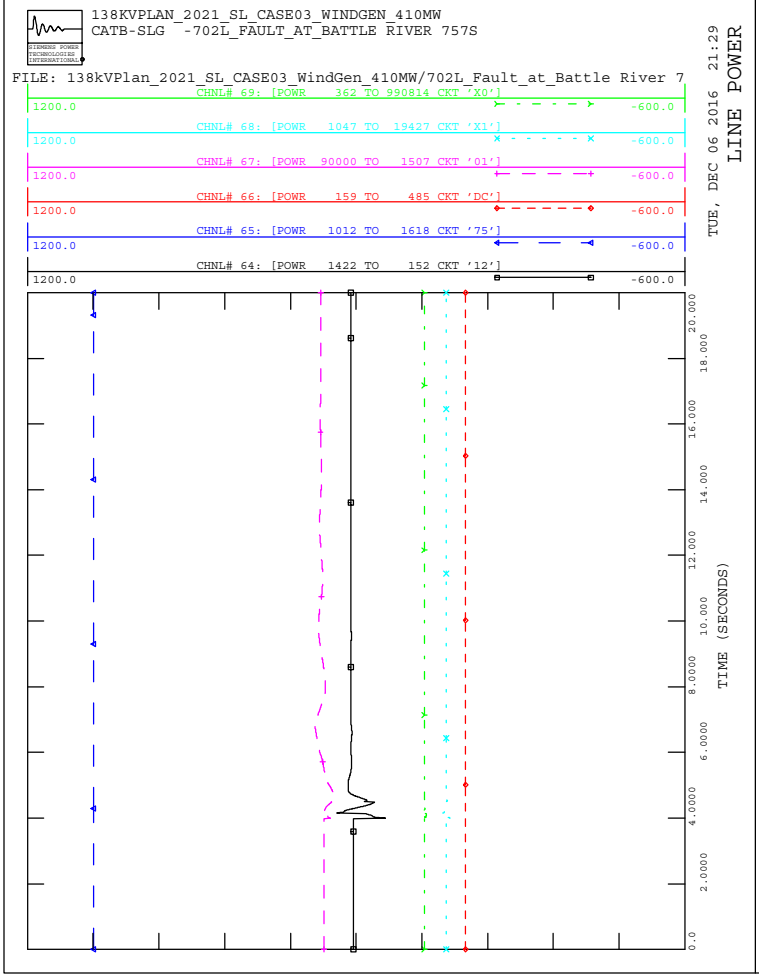
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:29
LINE POWER
TIME (SECONDS)
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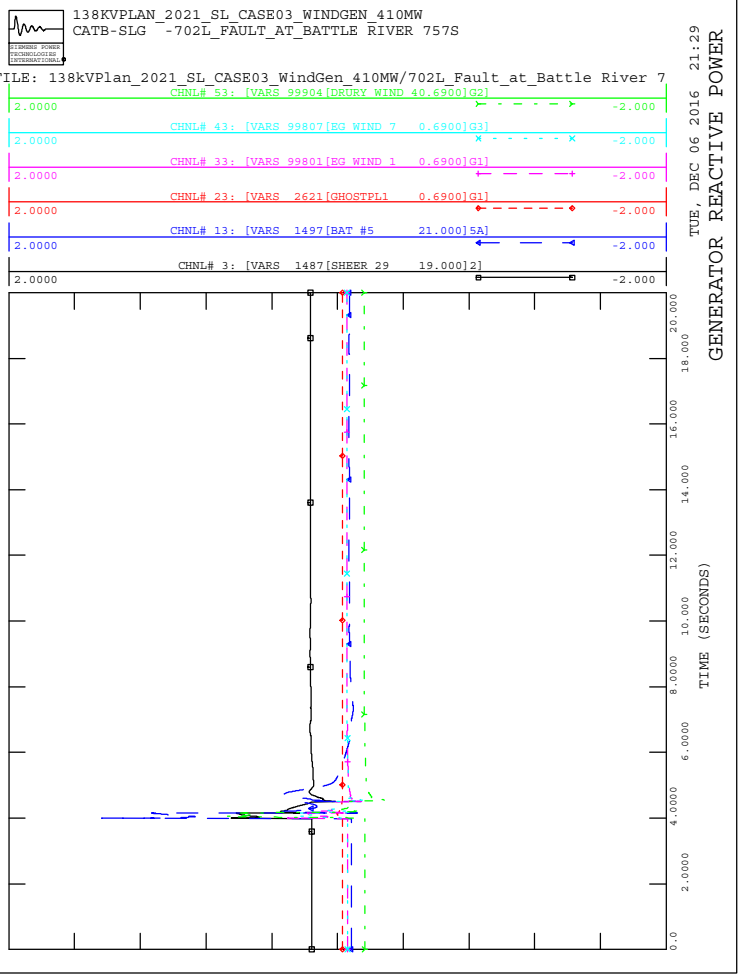
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:29
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
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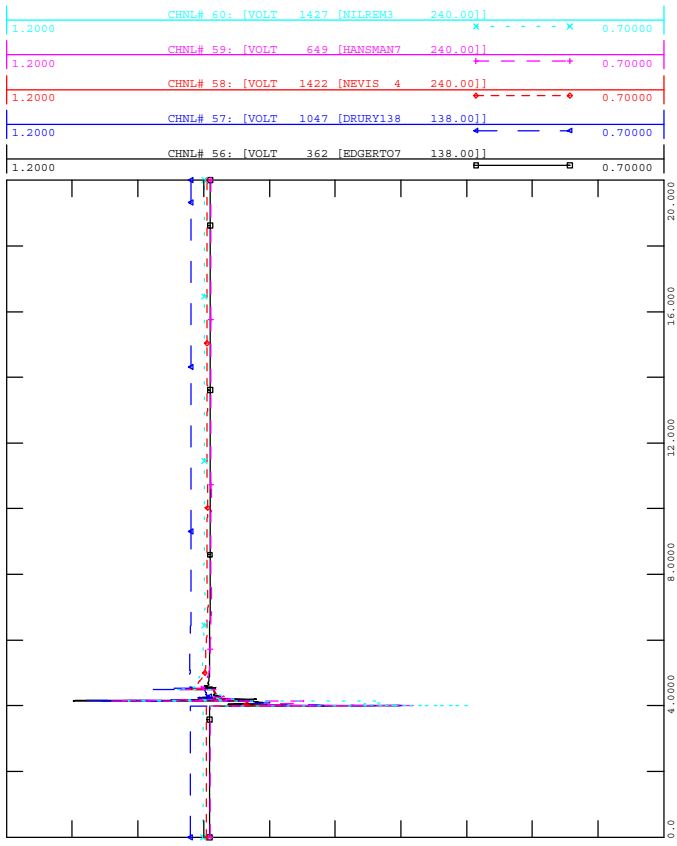
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:29

BUS VOLTAGE

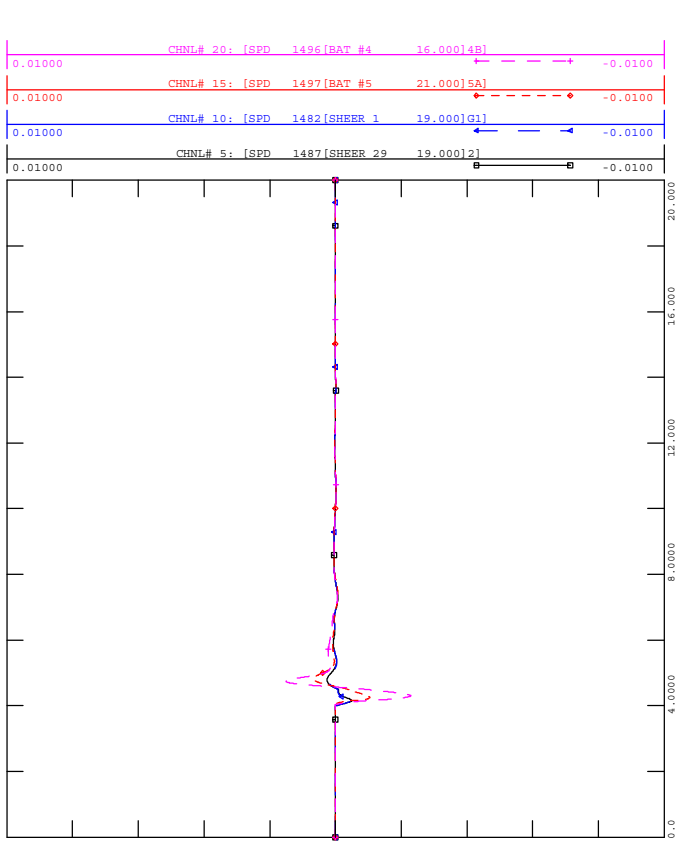


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:29

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

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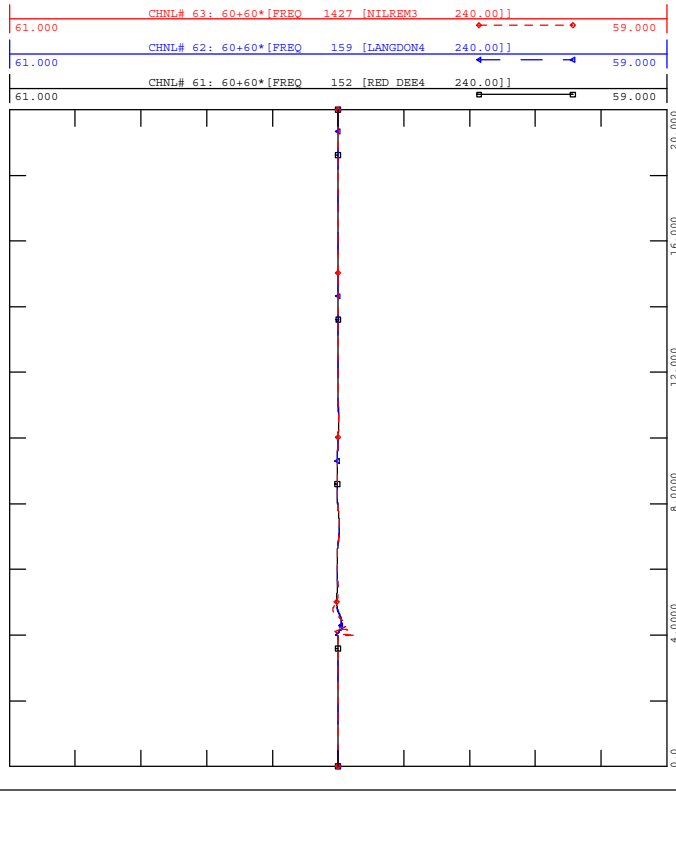
TUE, DEC 06 2016 21:29

FREQUENCY

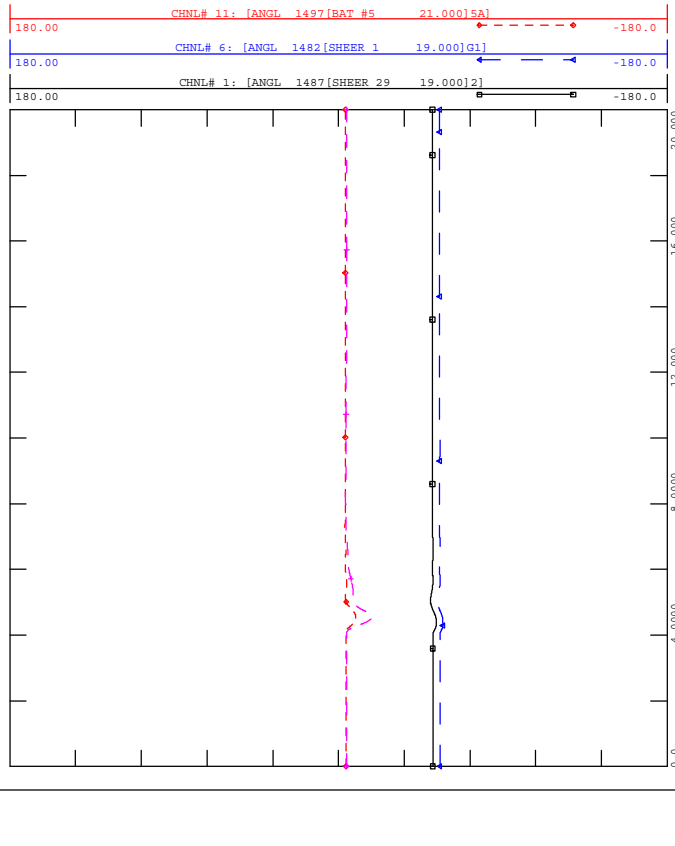


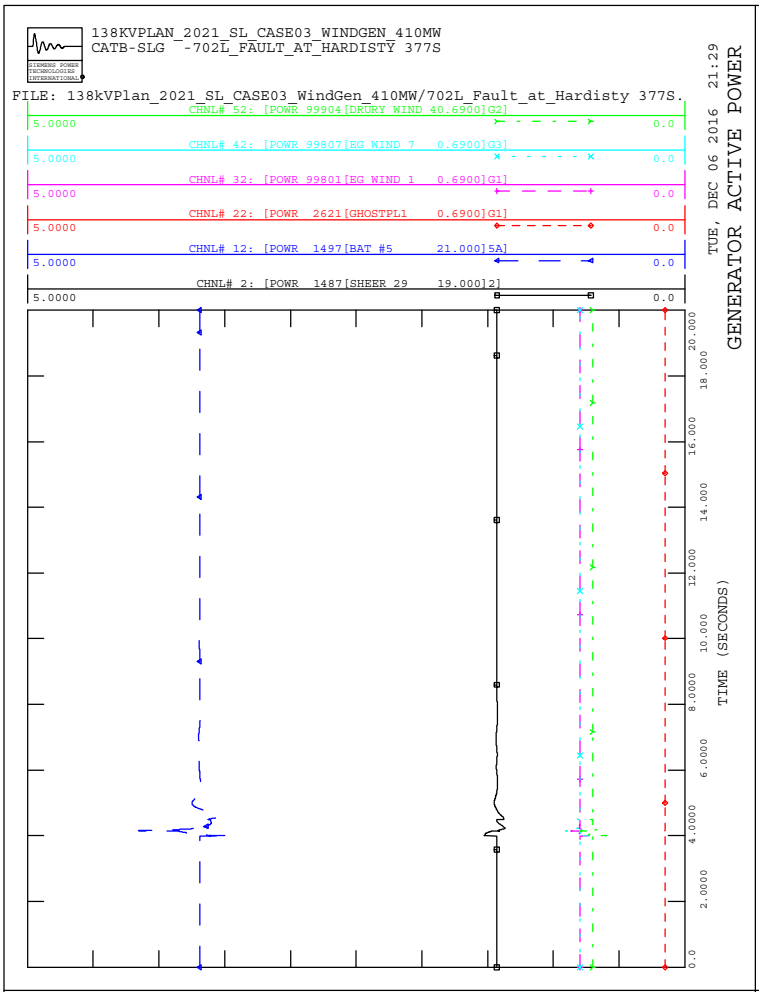
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:29

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:29
GENERATOR ACTIVE POWER
TIME (SECONDS)
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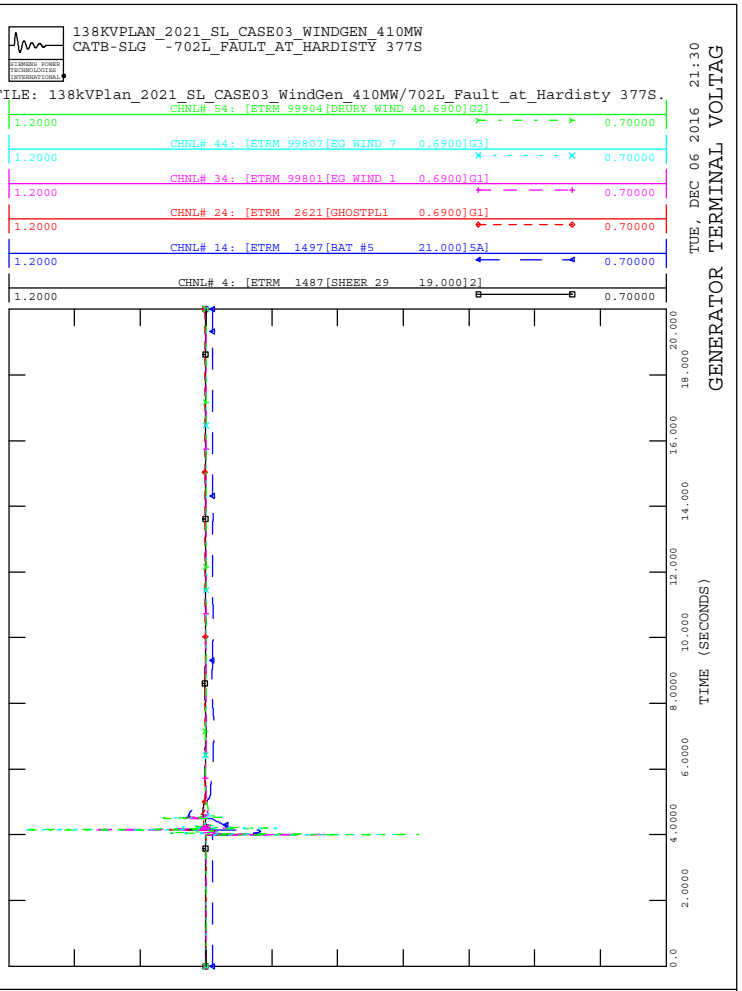
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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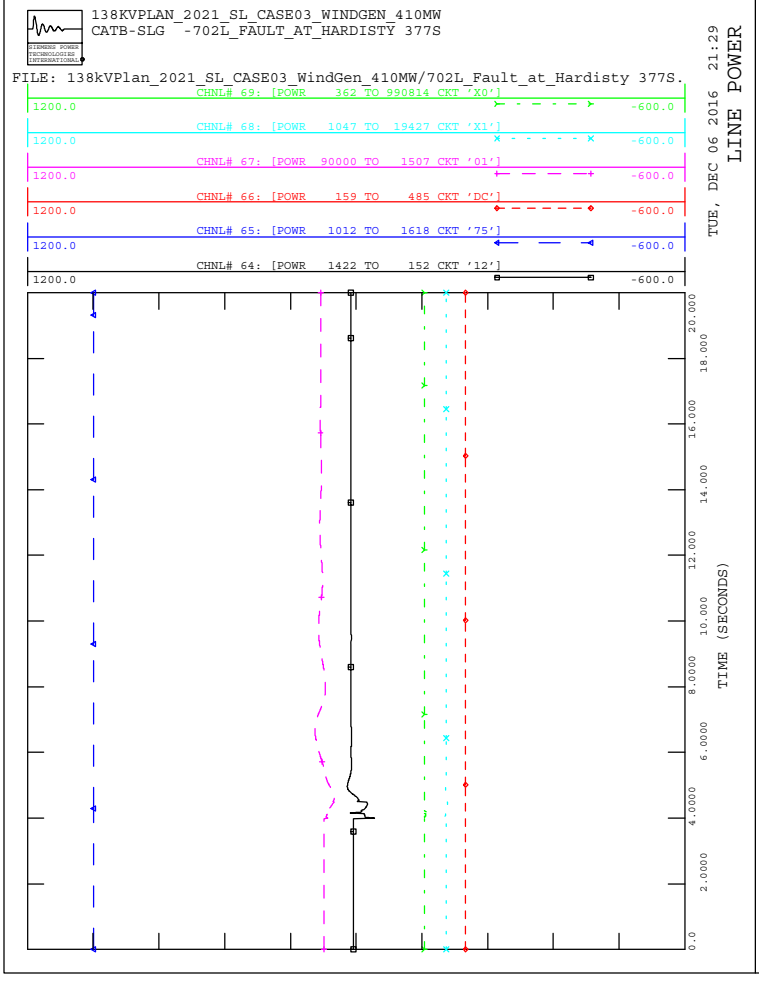
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:29
LINE POWER
TIME (SECONDS)
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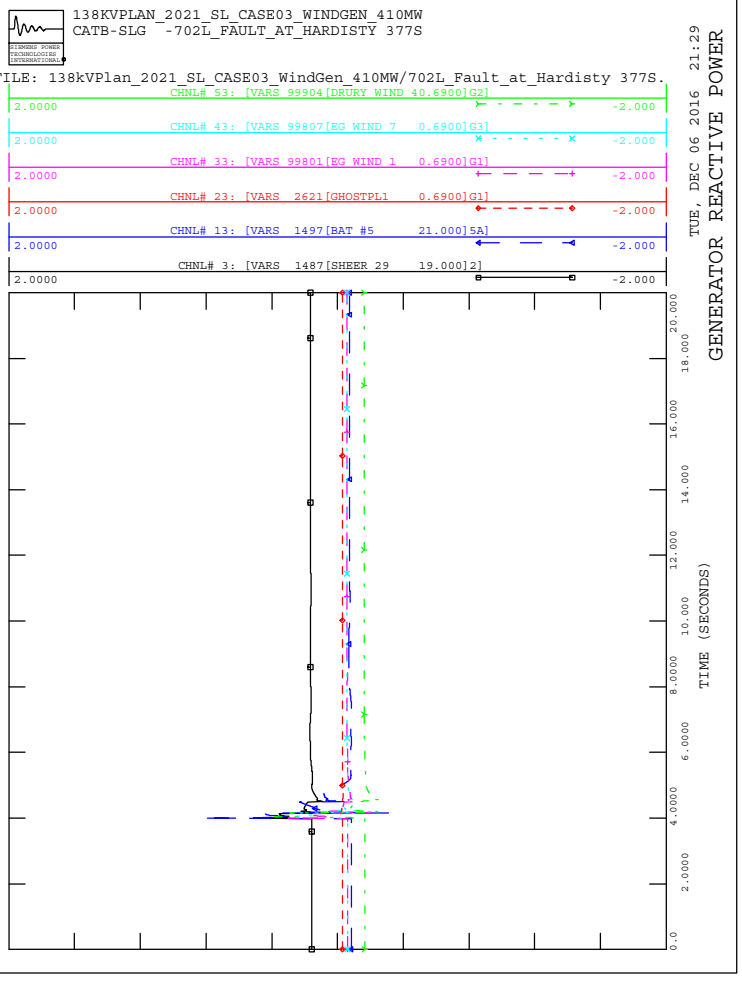
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:29
GENERATOR REACTIVE POWER
TIME (SECONDS)
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18.000
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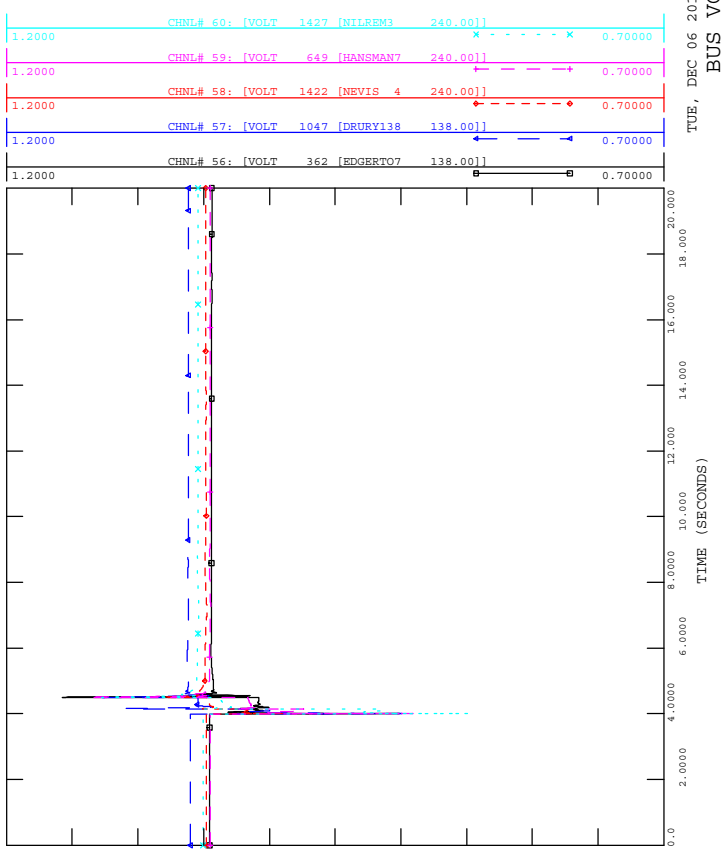
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:30

BUS VOLTAGE

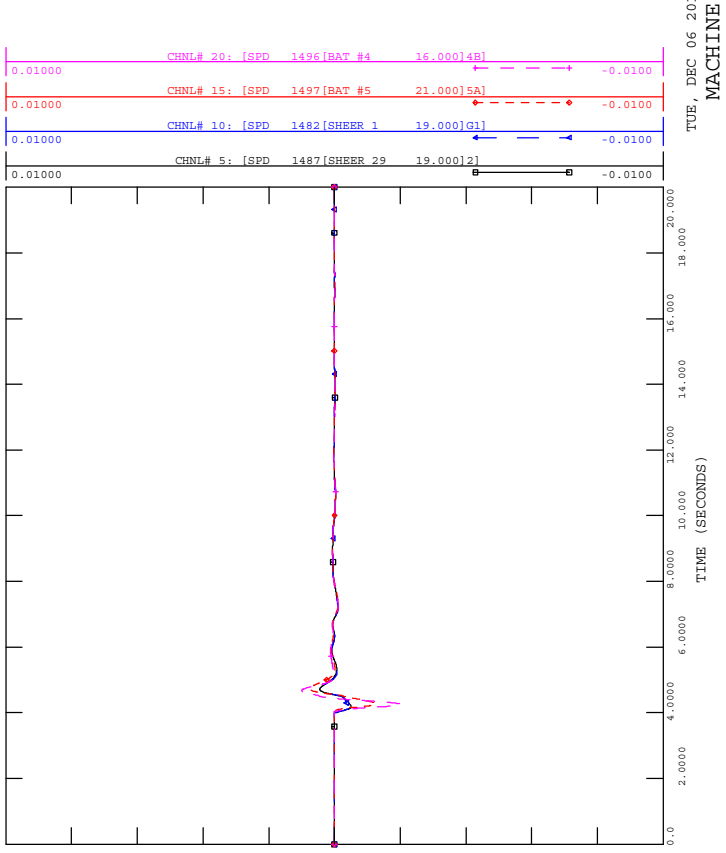


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:30

MACHINE SPEED



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CATB-SLG -703L_FAULT_AT_HARDISTY 377S

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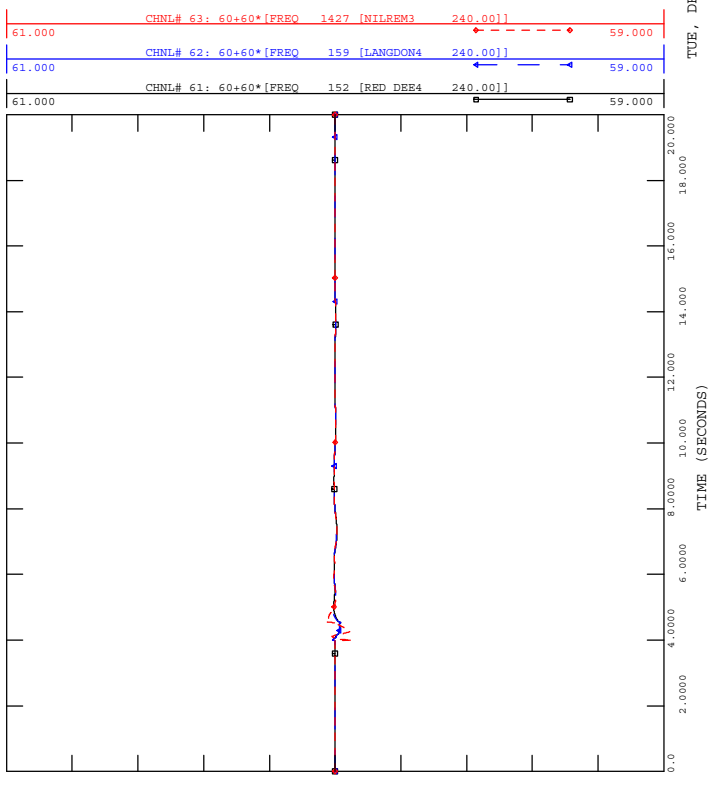
TUE, DEC 06 2016 21:30

FREQUENCY

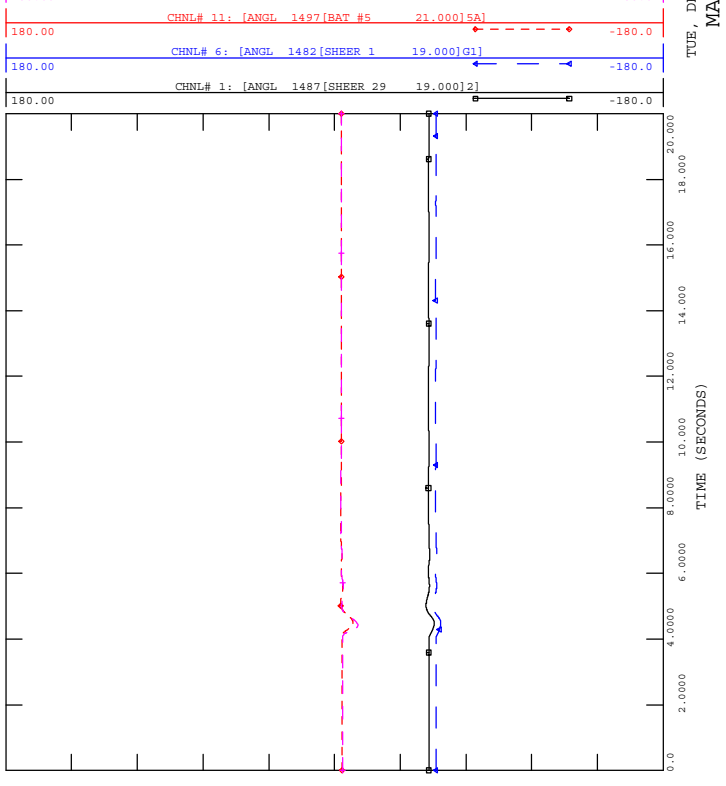


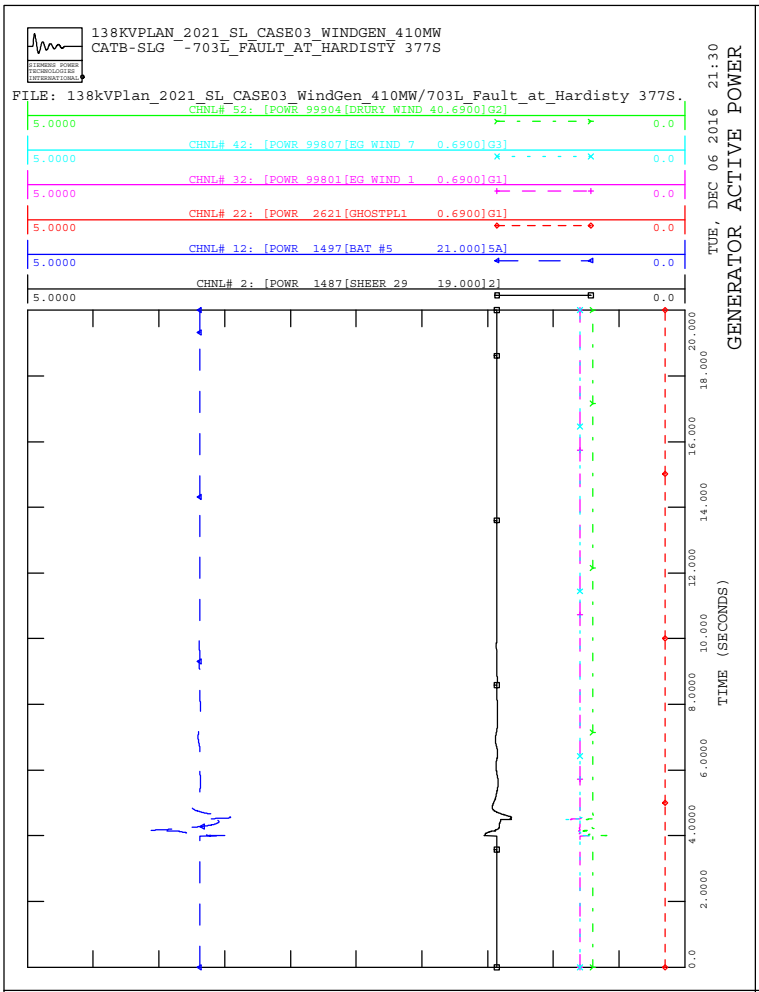
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

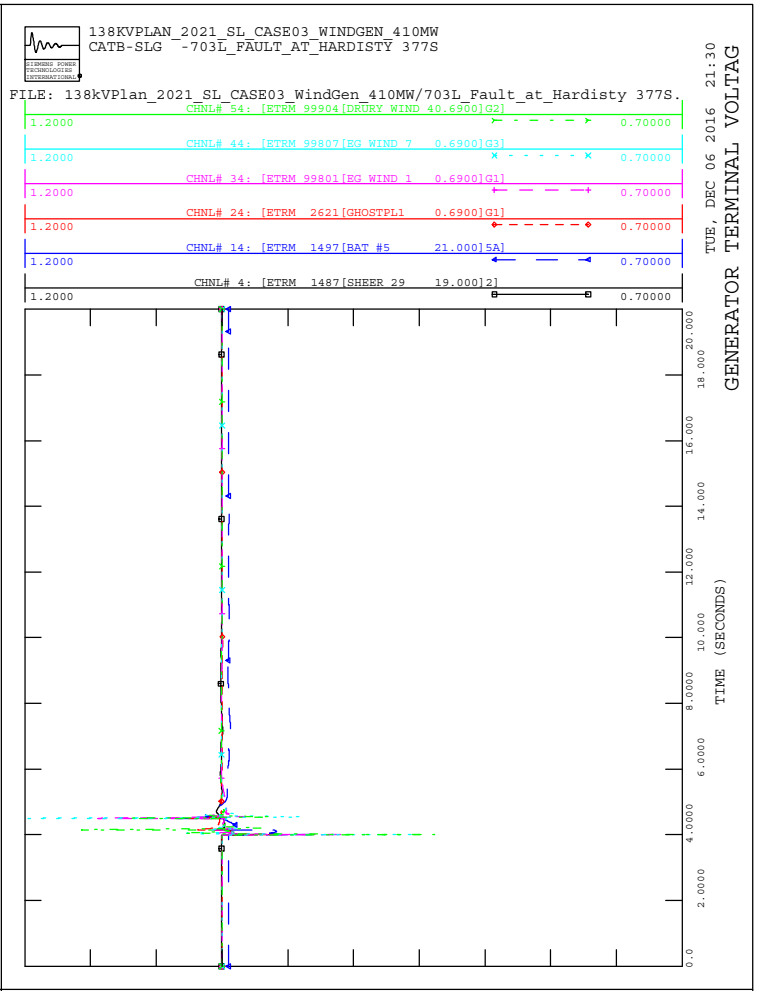
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.

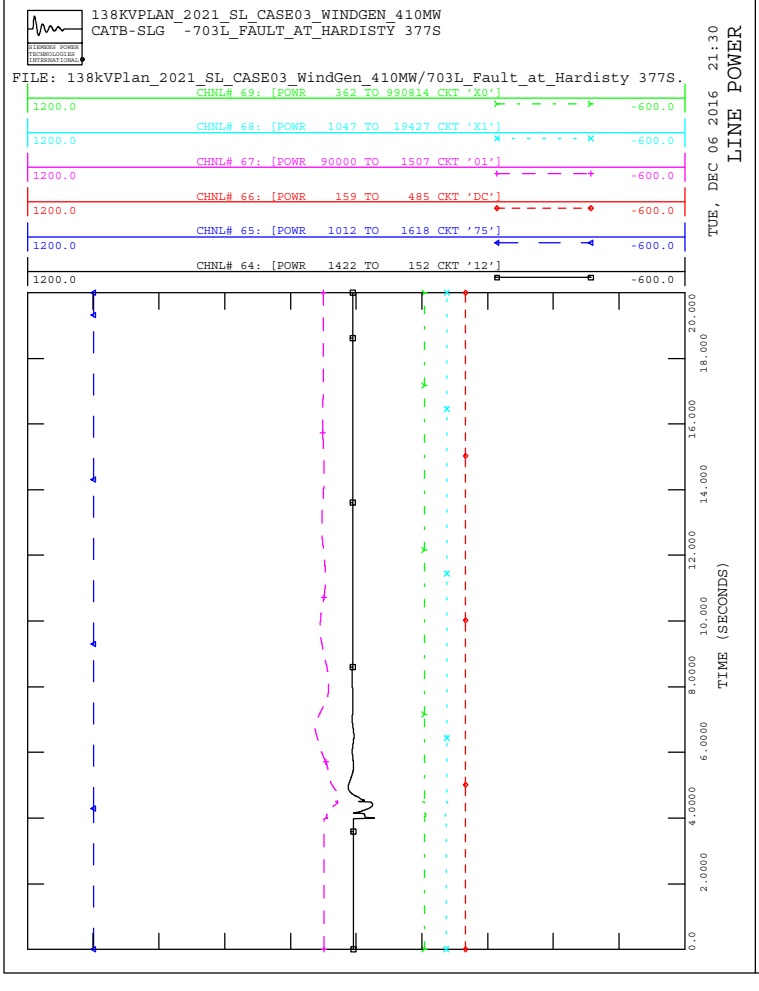
TUE, DEC 06 2016 21:30

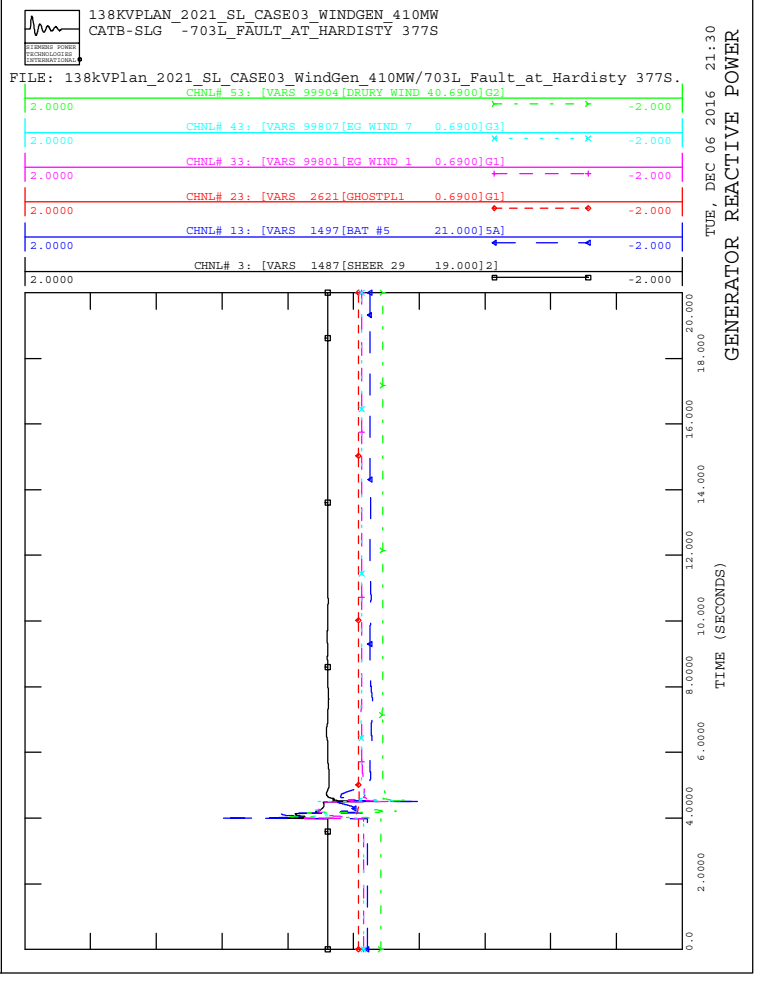
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)

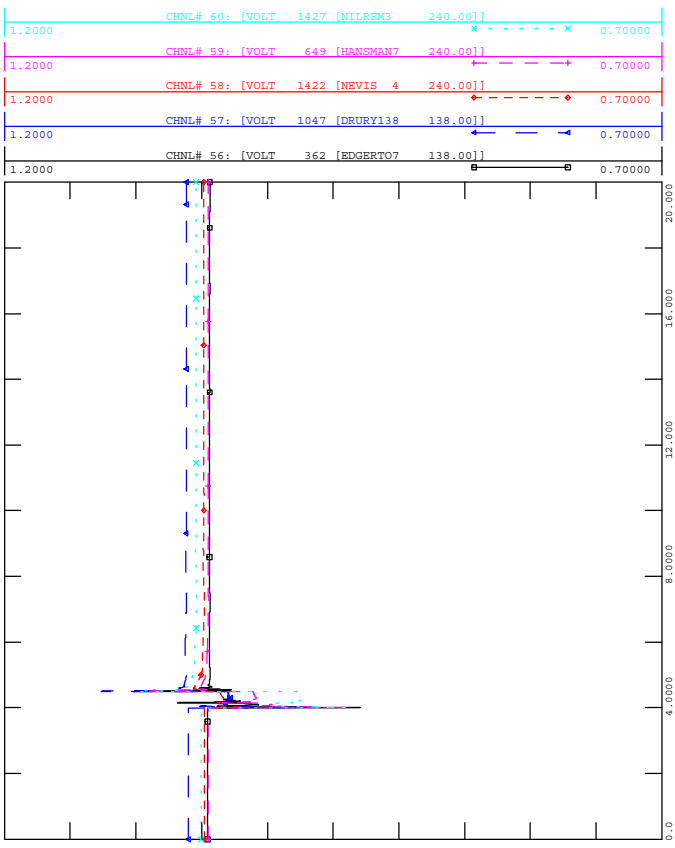

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:30

BUS VOLTAGE

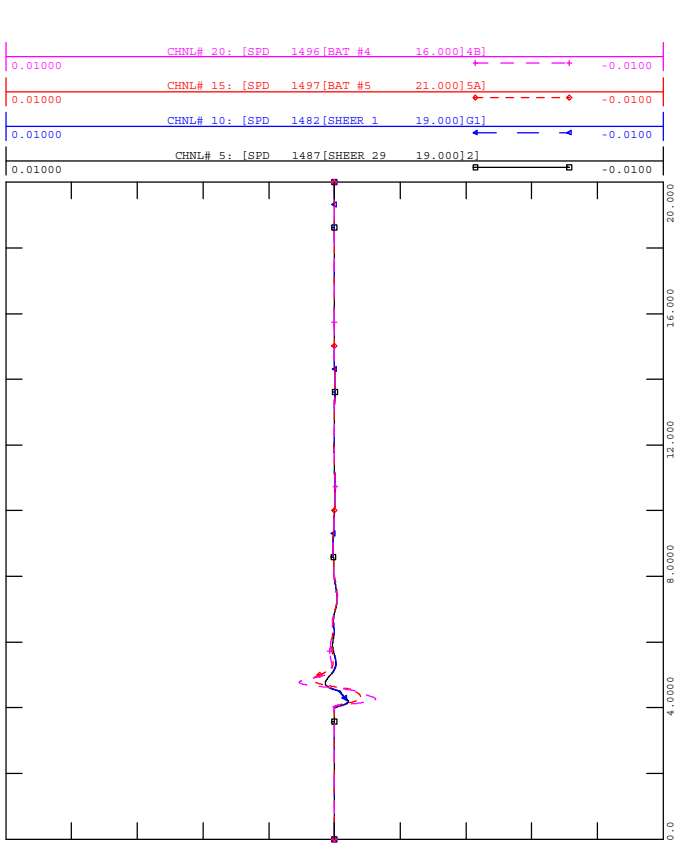


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:30

MACHINE SPEED

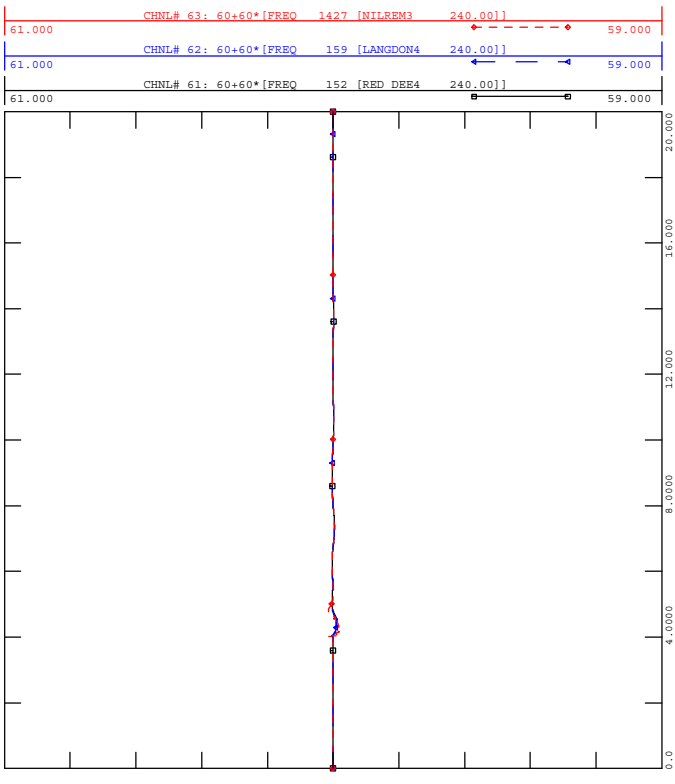


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:30

FREQUENCY

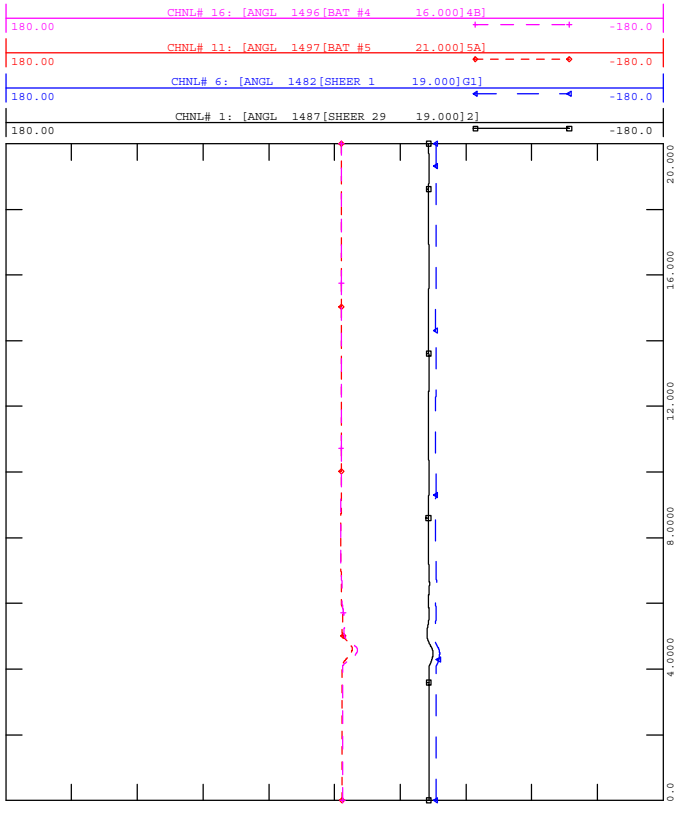


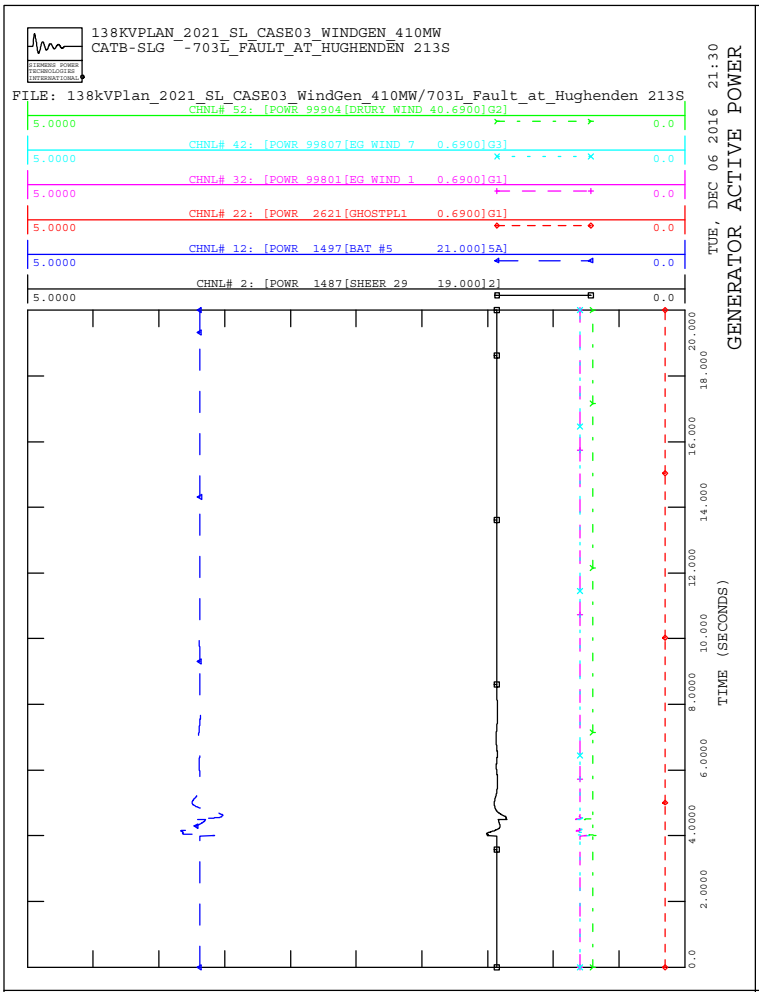
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

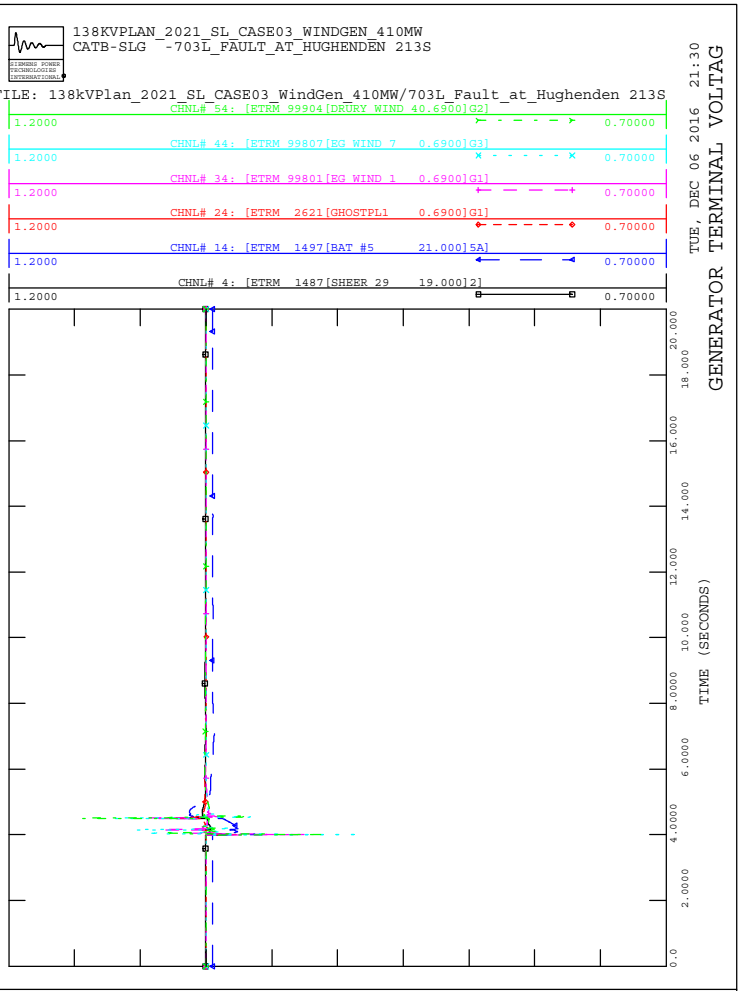
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S

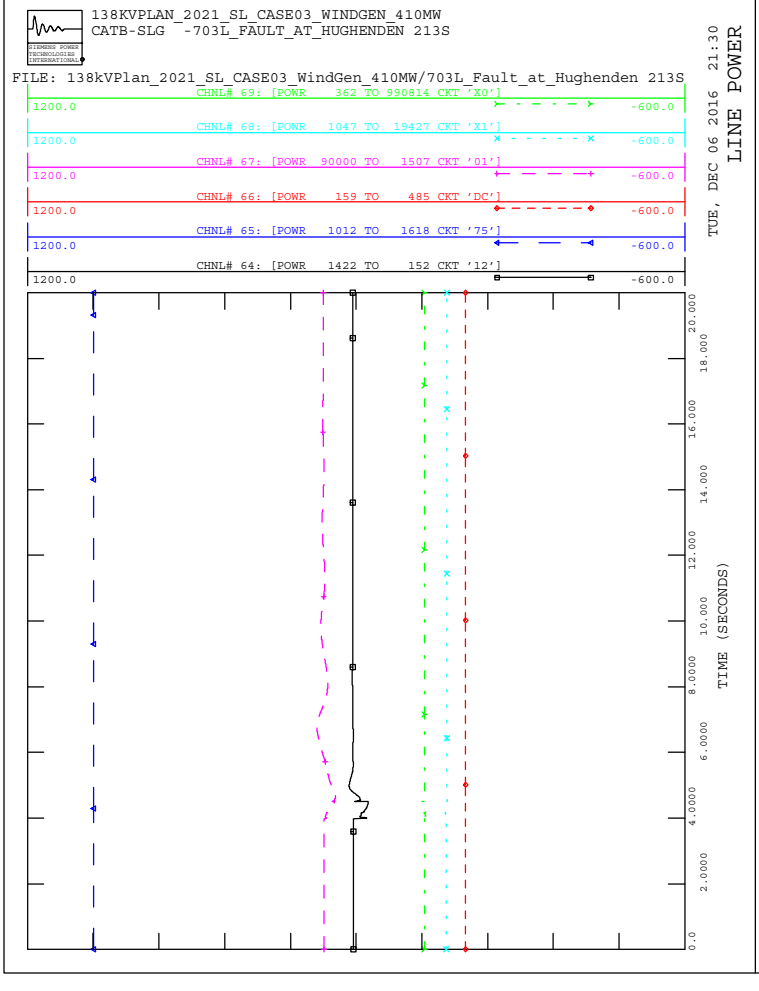
TUE, DEC 06 2016 21:30

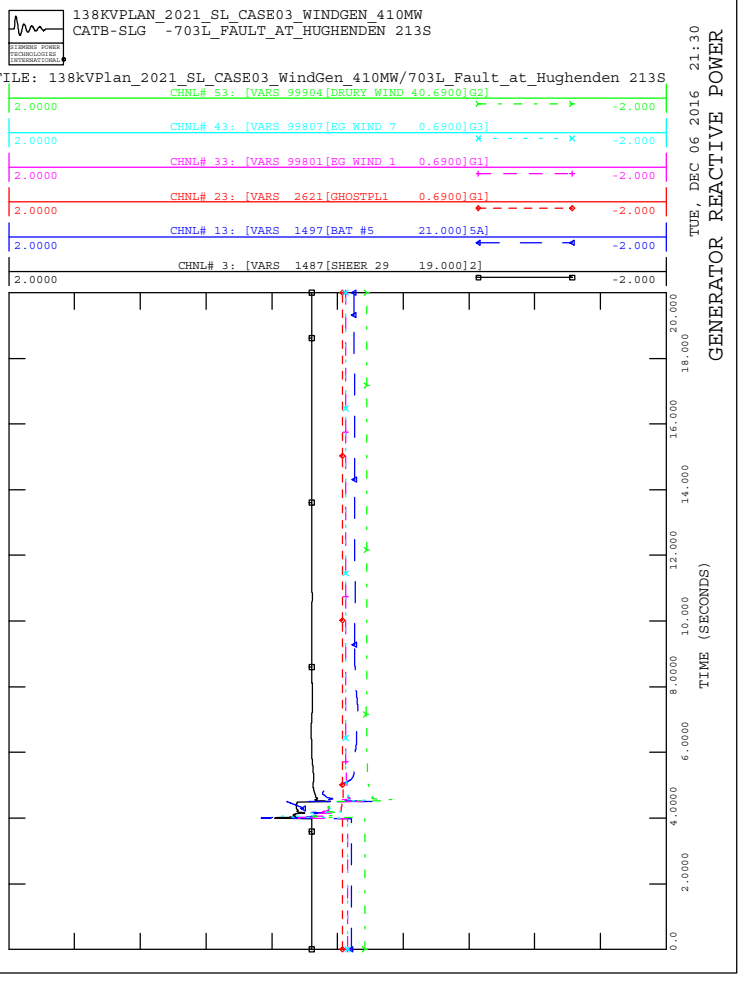
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

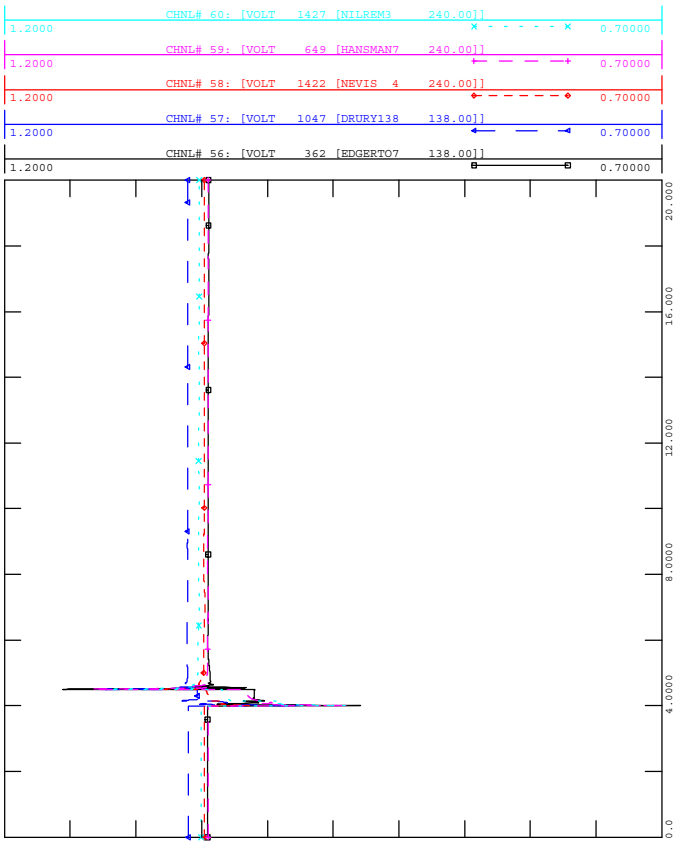

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:30

BUS VOLTAGE

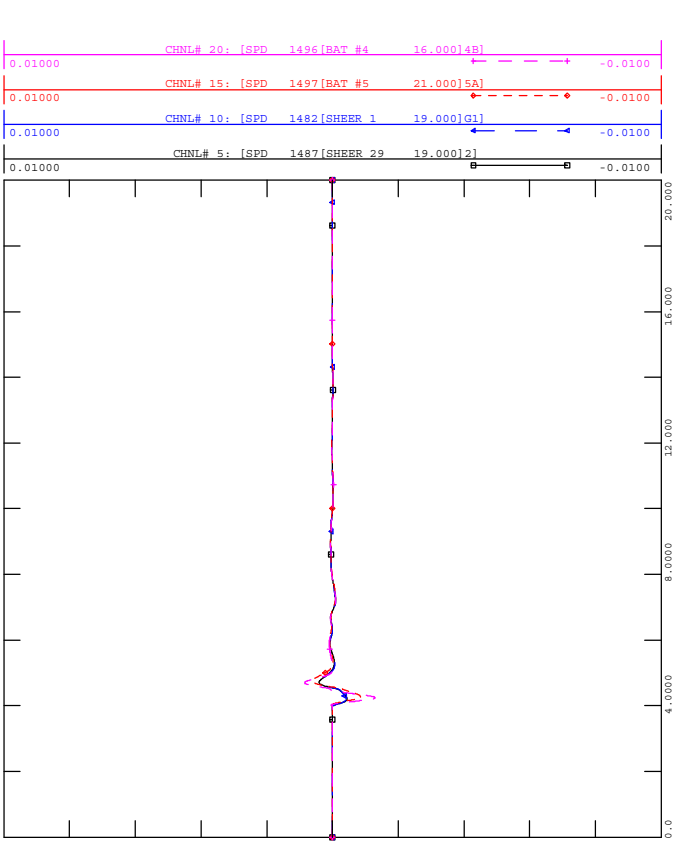


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:30

MACHINE SPEED

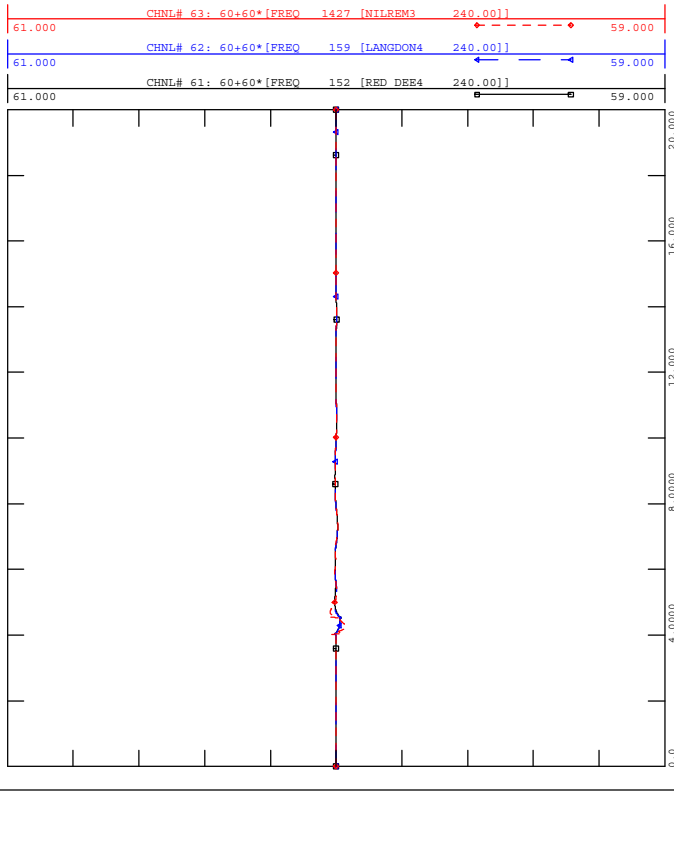


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:30

FREQUENCY

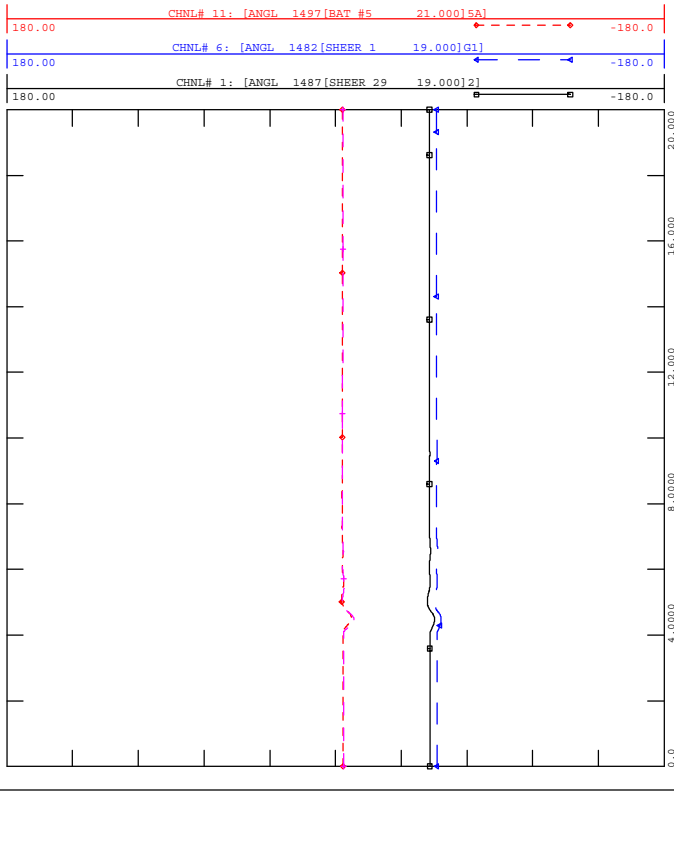


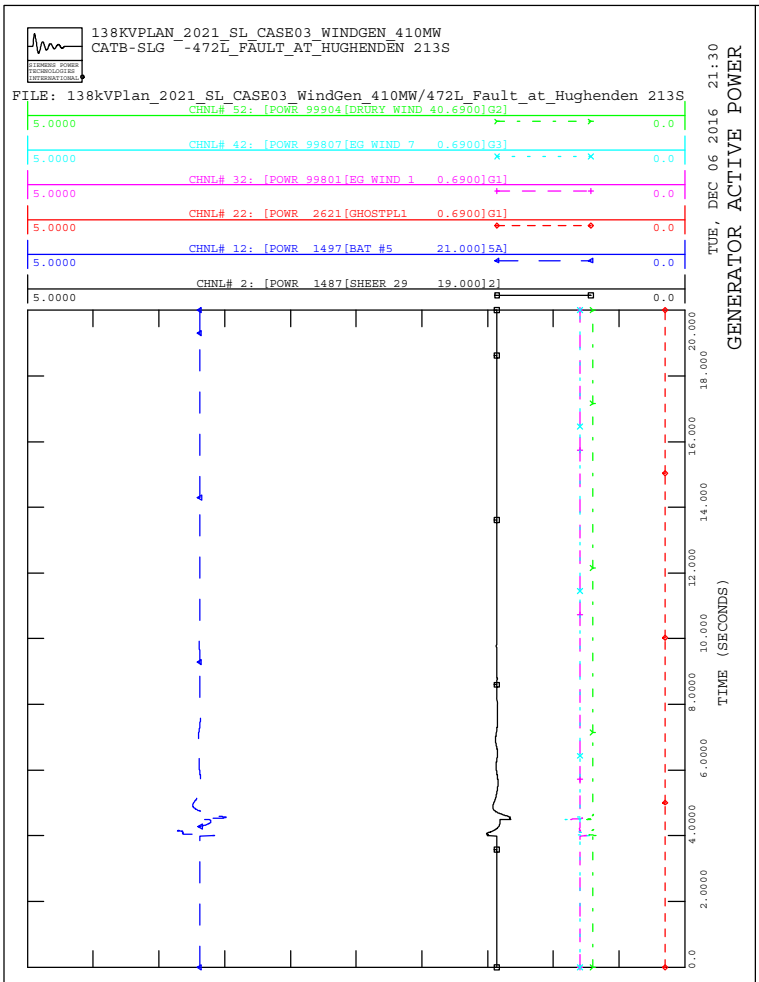
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

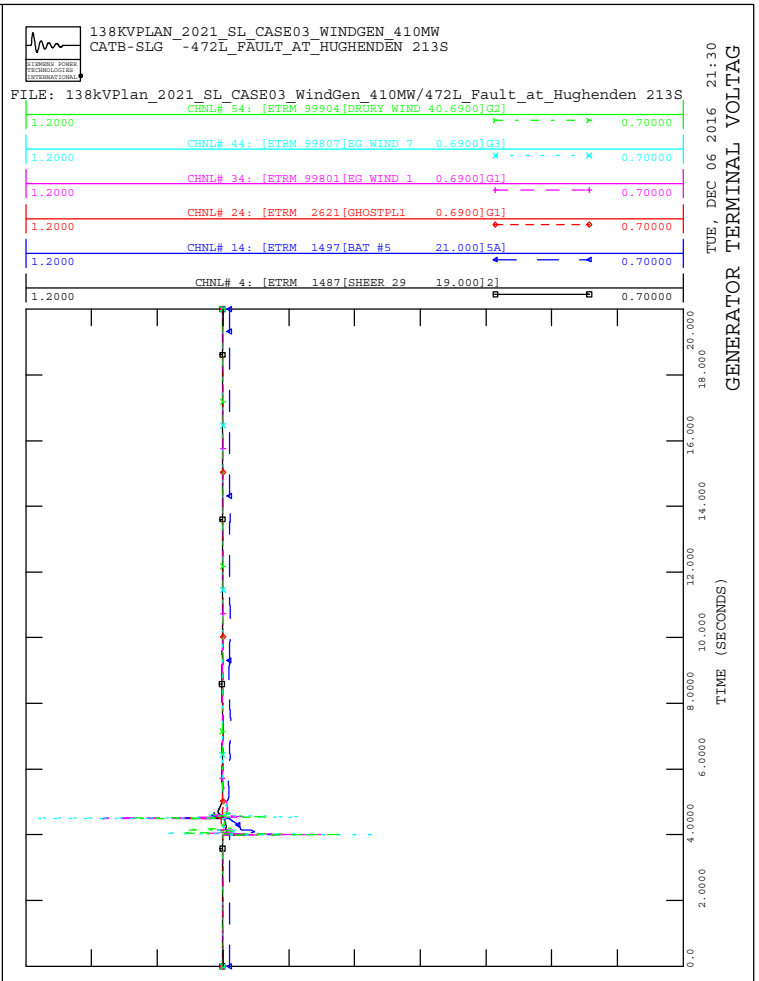
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S

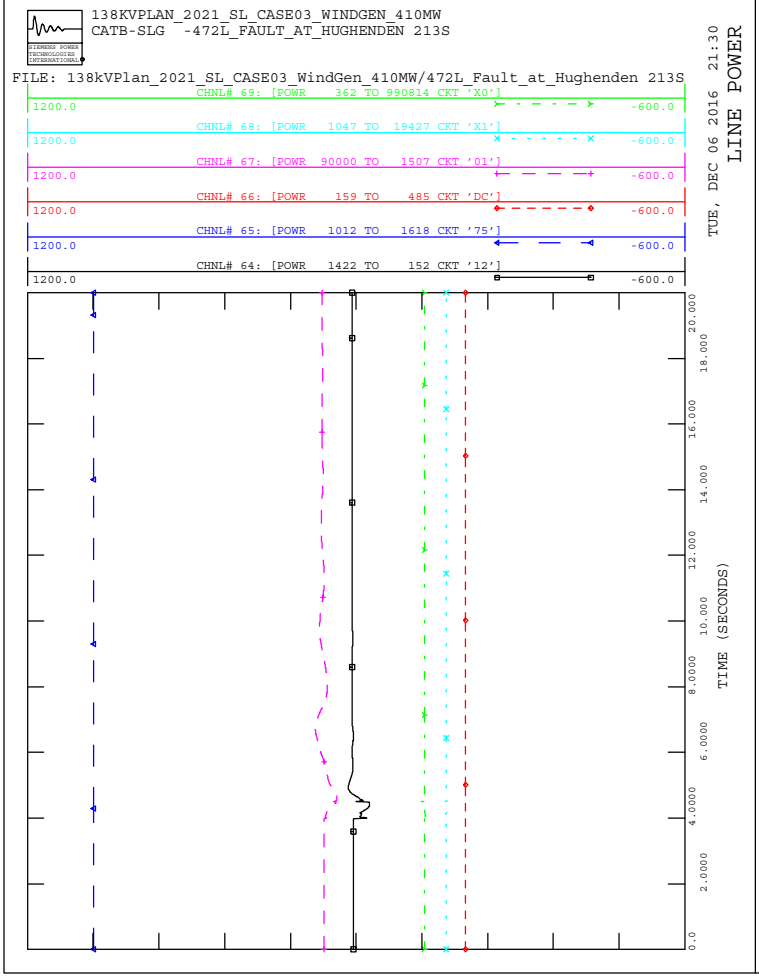
TUE, DEC 06 2016 21:30

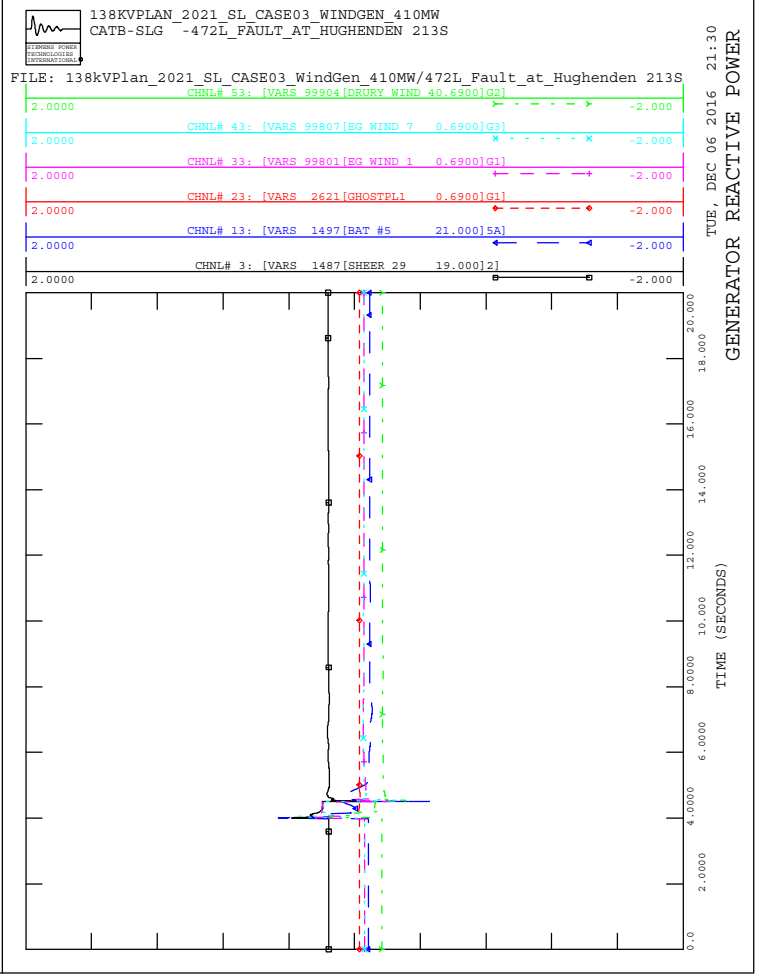
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)

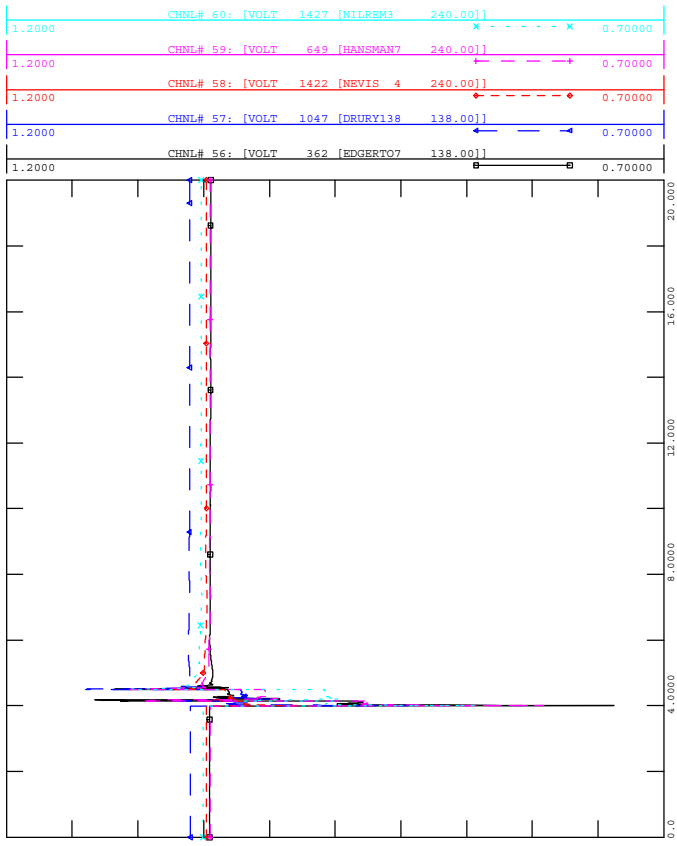

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

BUS VOLTAGE

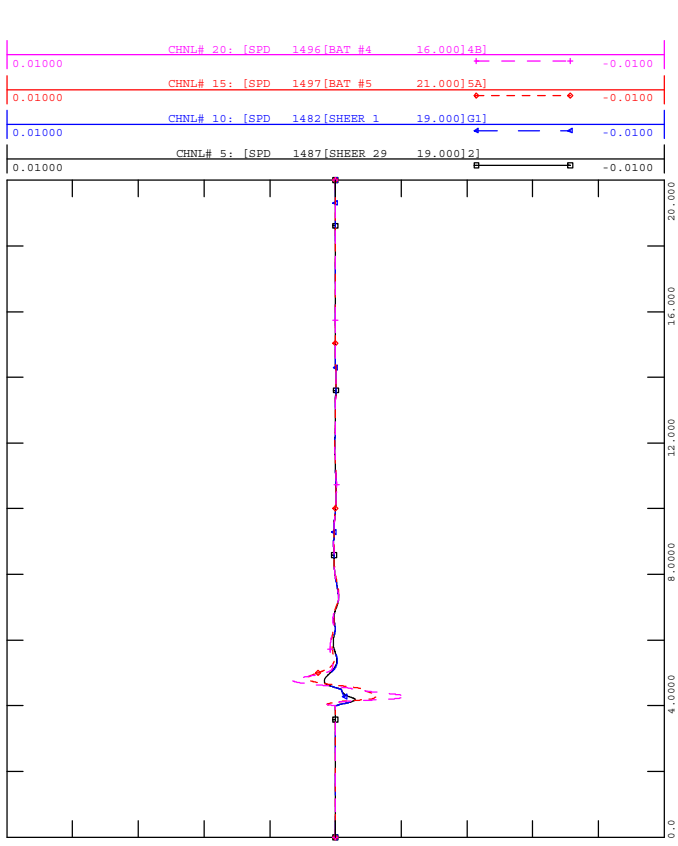


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

MACHINE SPEED

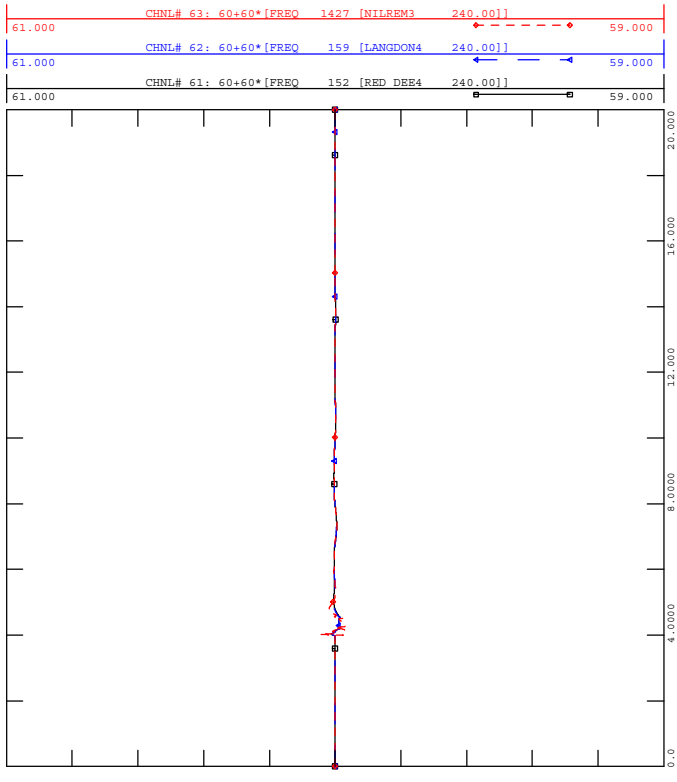


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

FREQUENCY

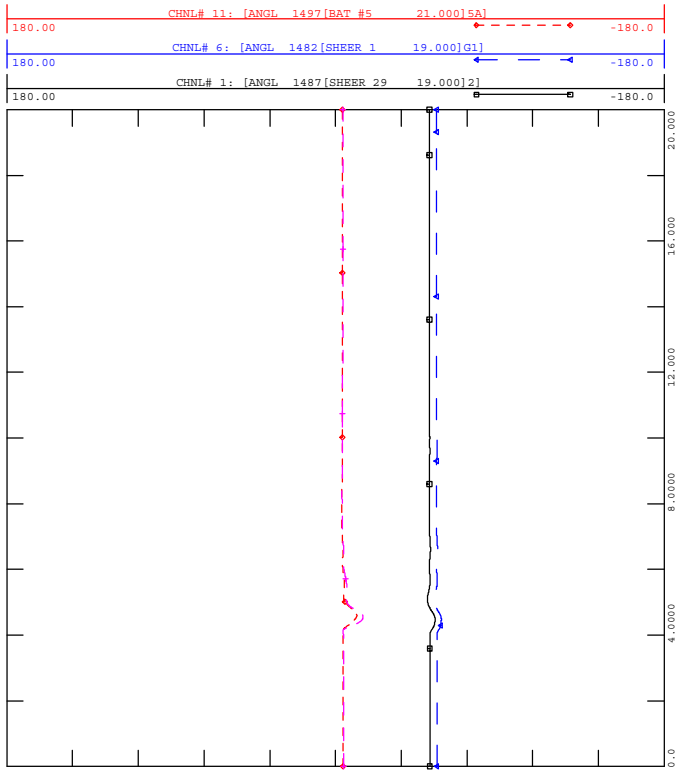


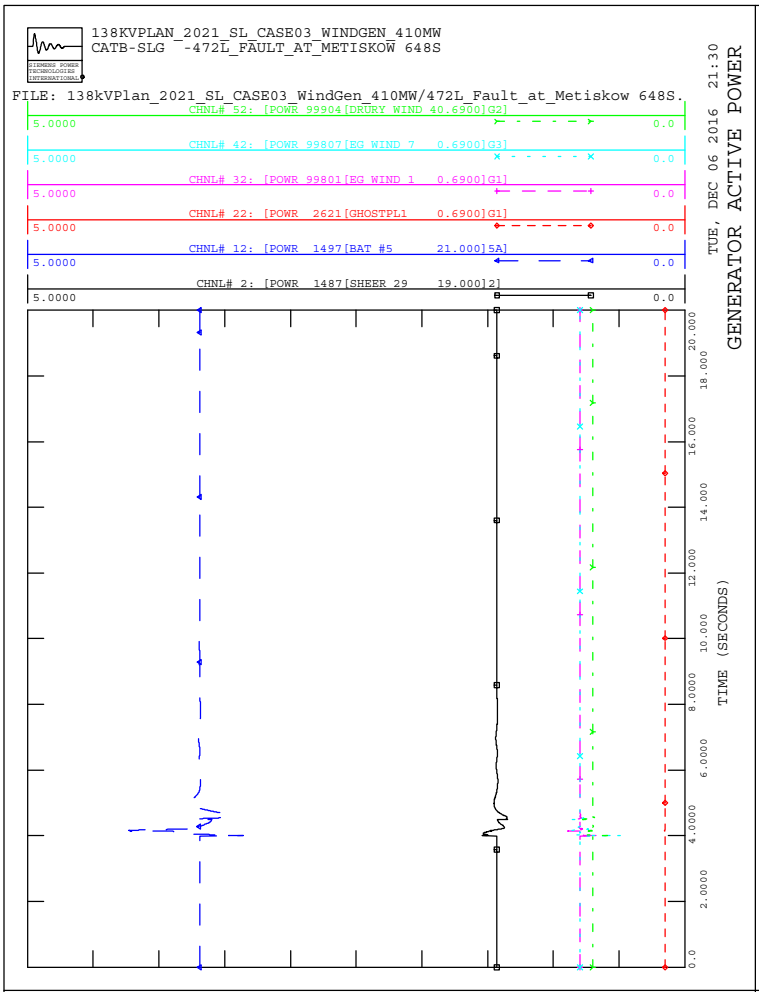
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

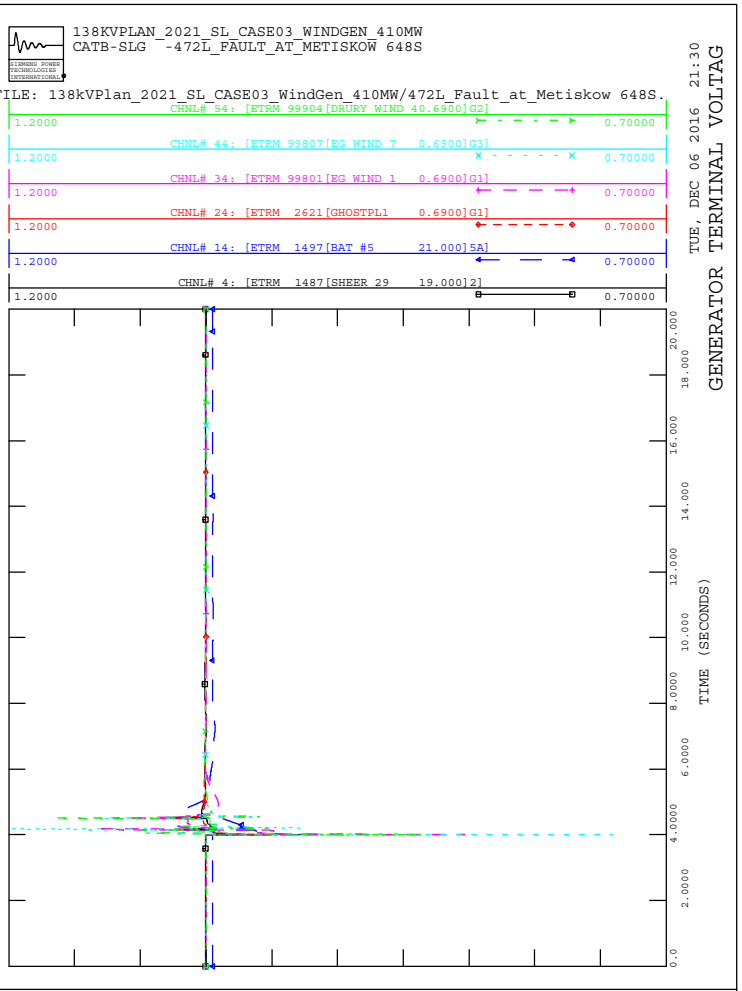
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.

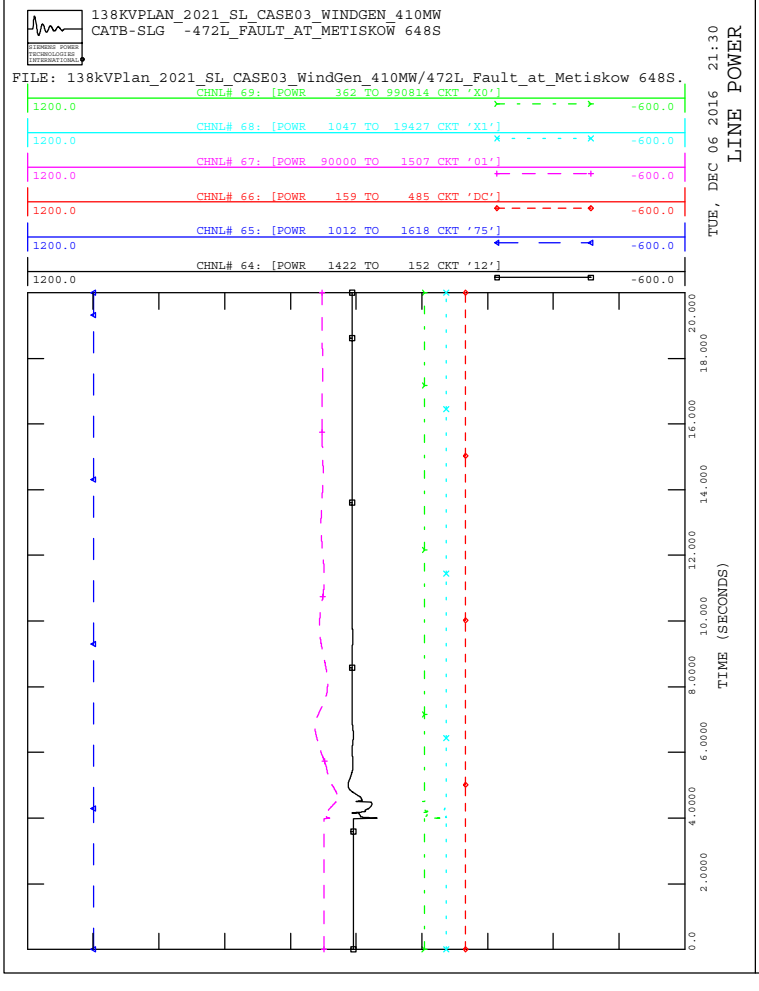
TUE, DEC 06 2016 21:30

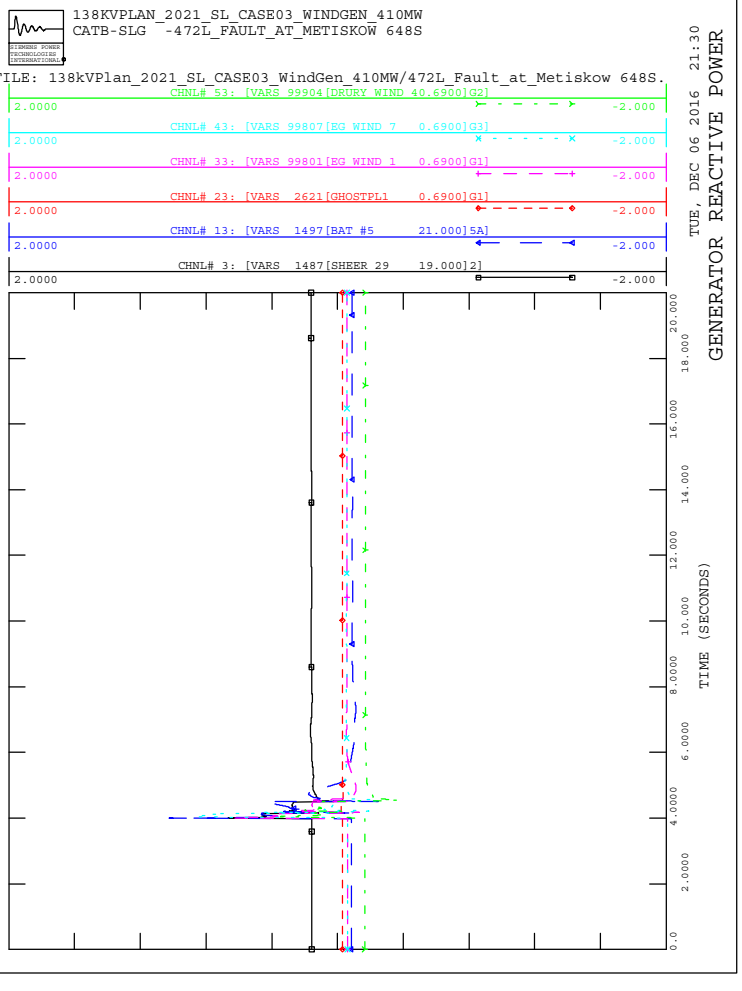
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

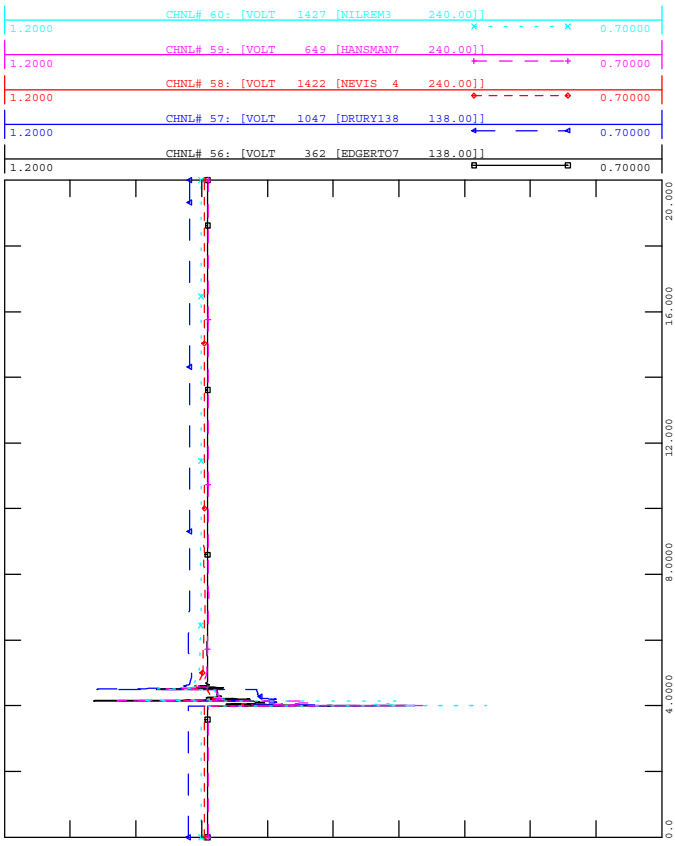

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:30

BUS VOLTAGE

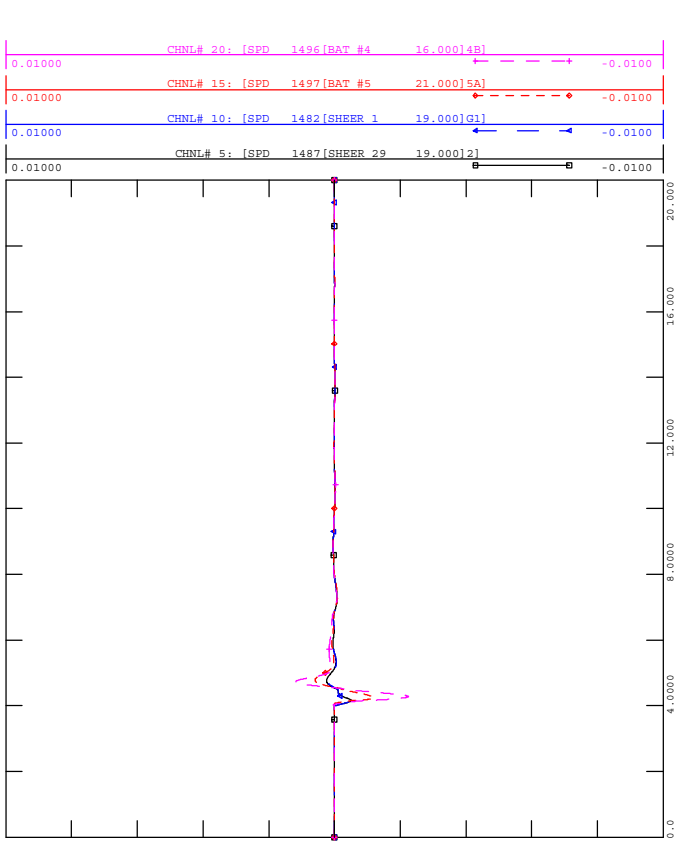


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:30

MACHINE SPEED

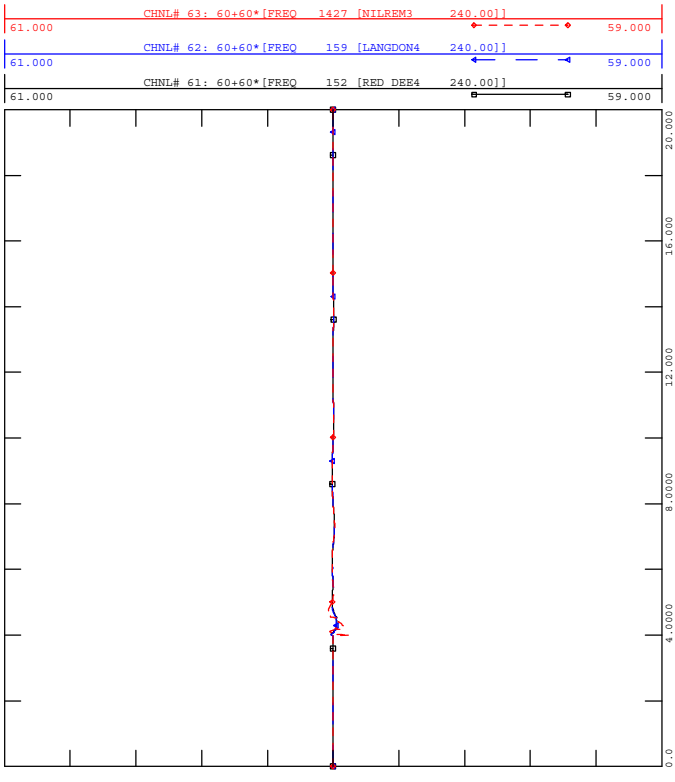


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:30

FREQUENCY

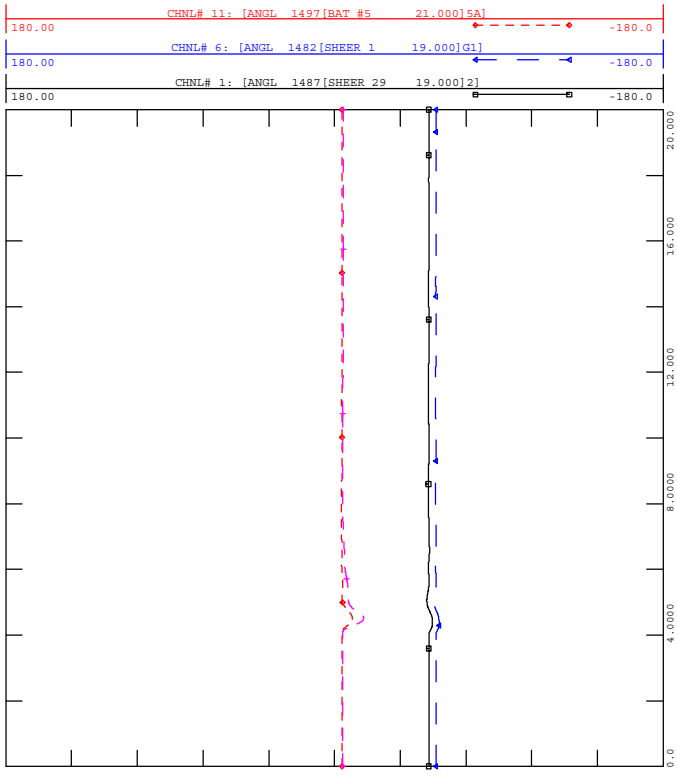


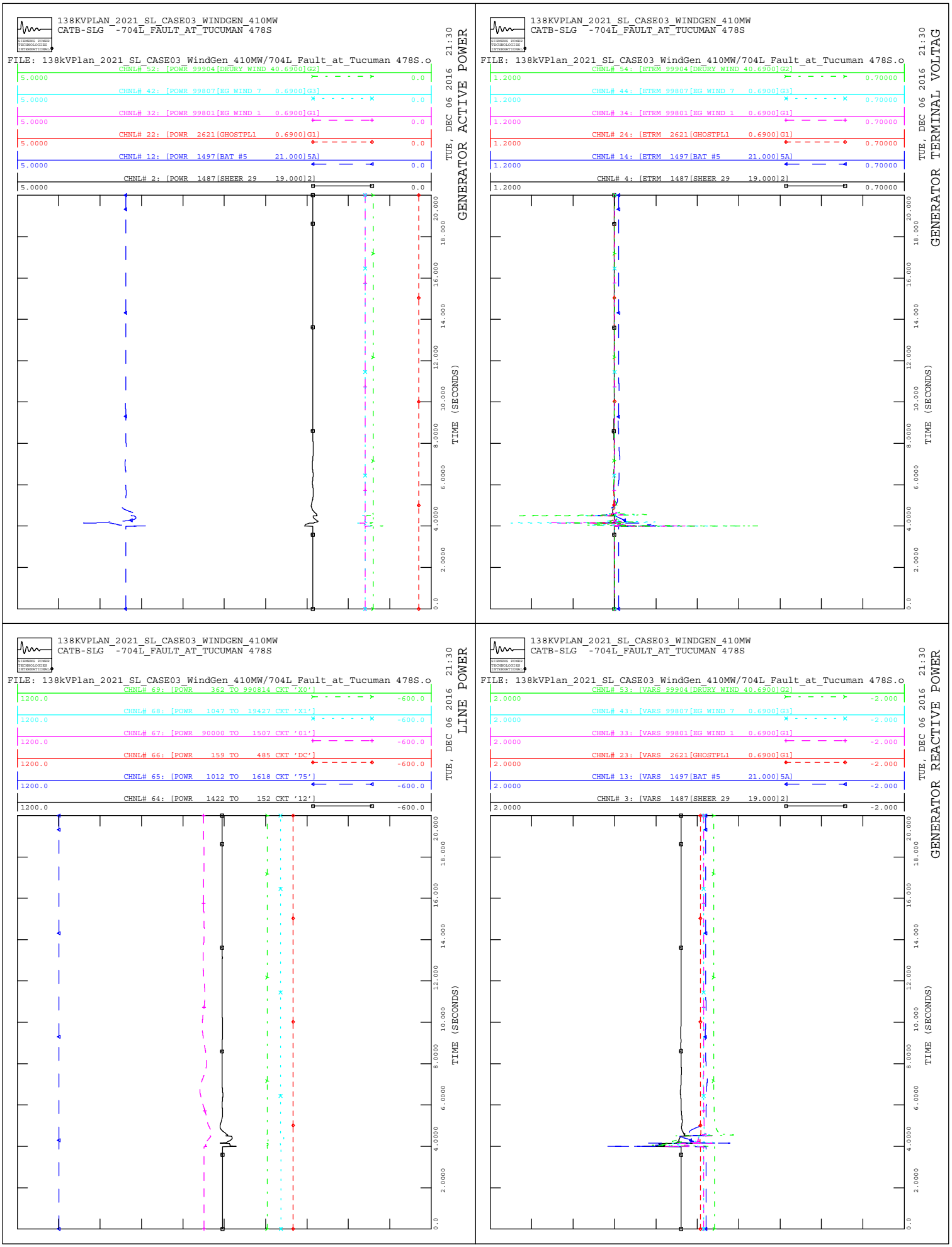
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:30

MACHINE ANGLE



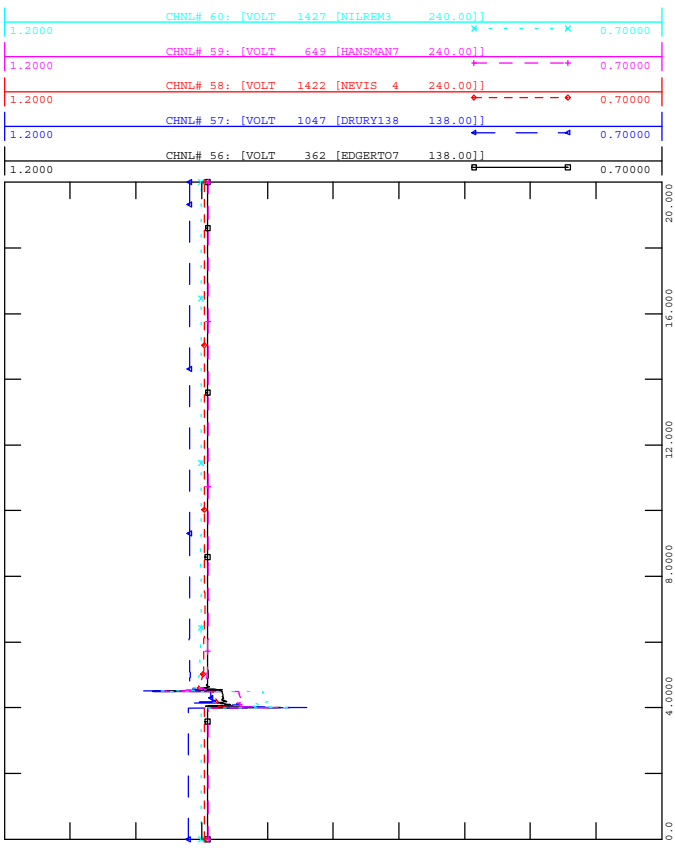

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
TUE, DEC 06 2016 21:30
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S

TUE, DEC 06 2016 21:30

BUS VOLTAGE

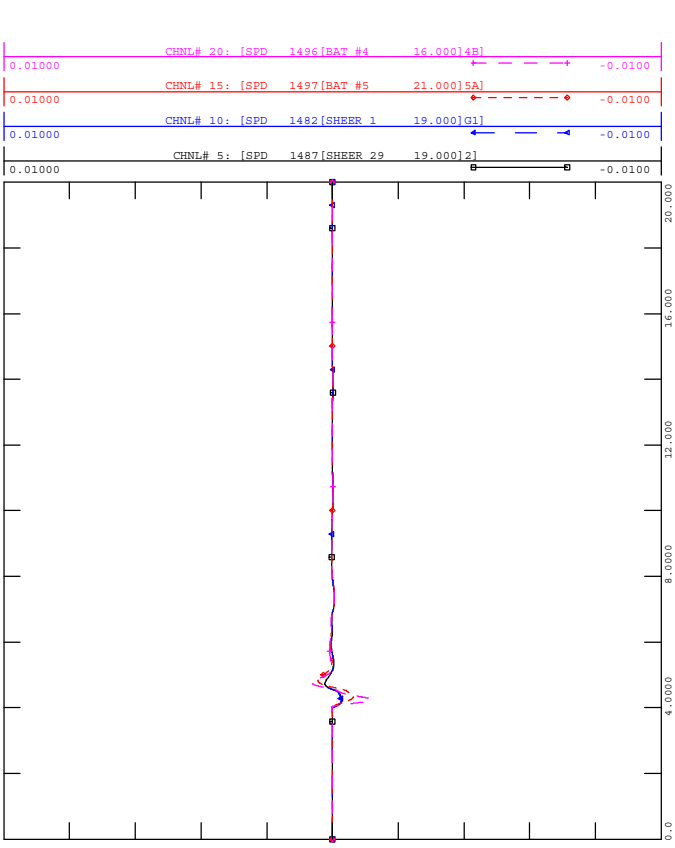


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S

TUE, DEC 06 2016 21:30

MACHINE SPEED

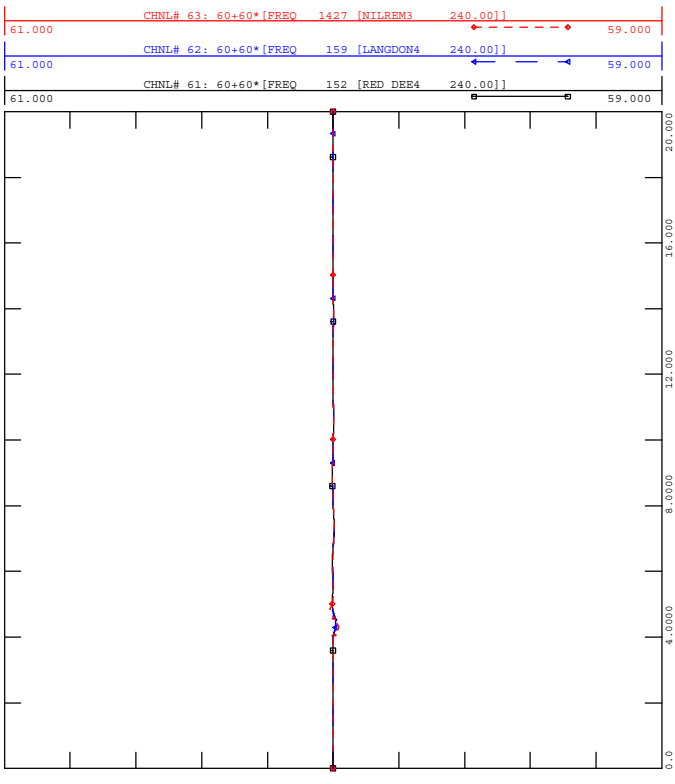


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S

TUE, DEC 06 2016 21:30

FREQUENCY

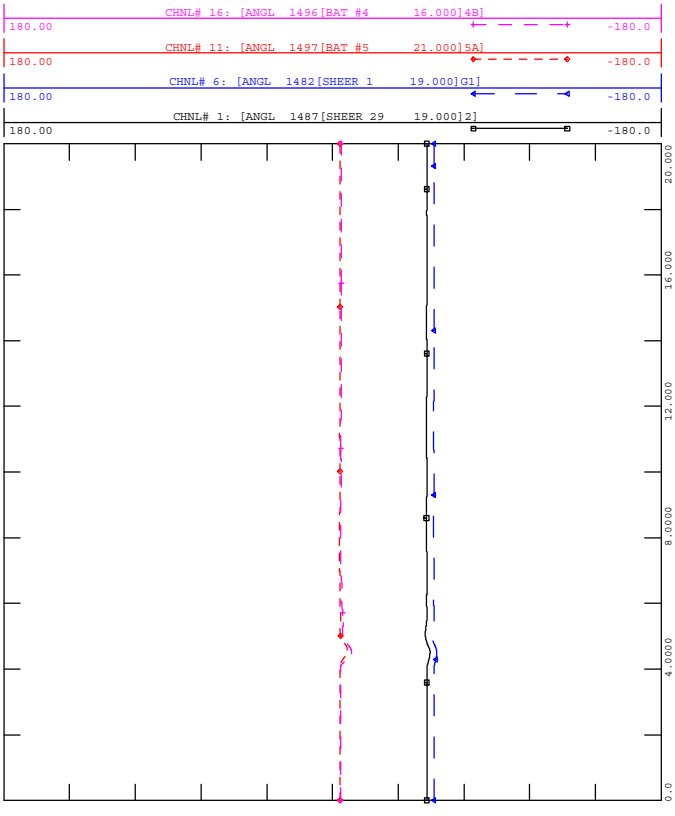


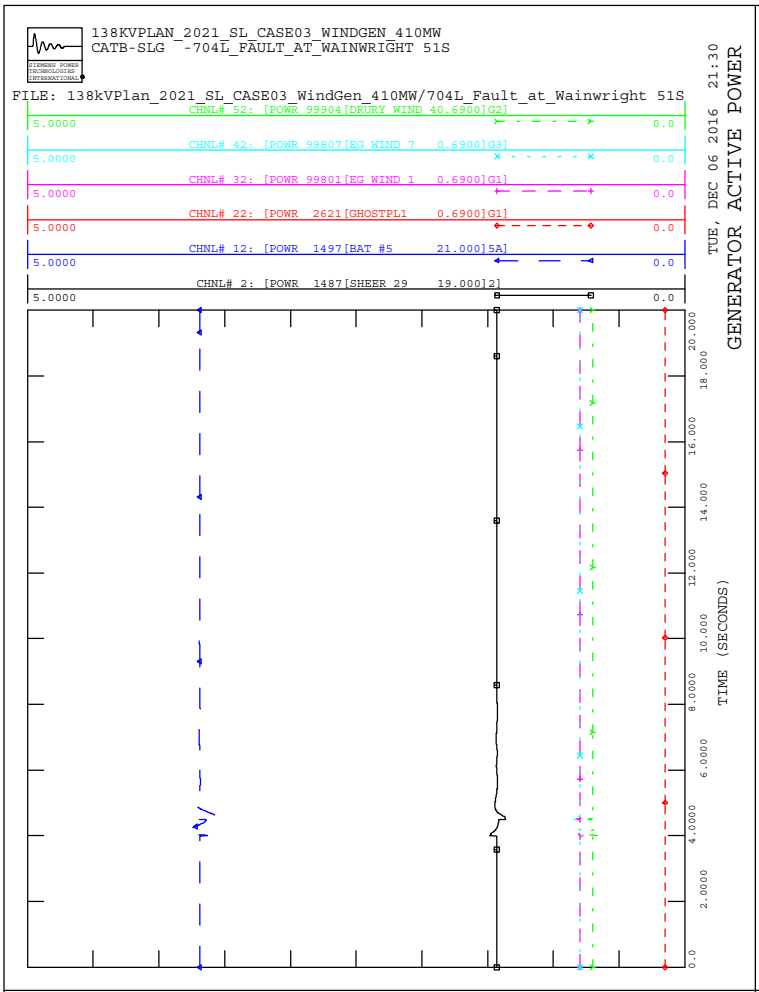
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

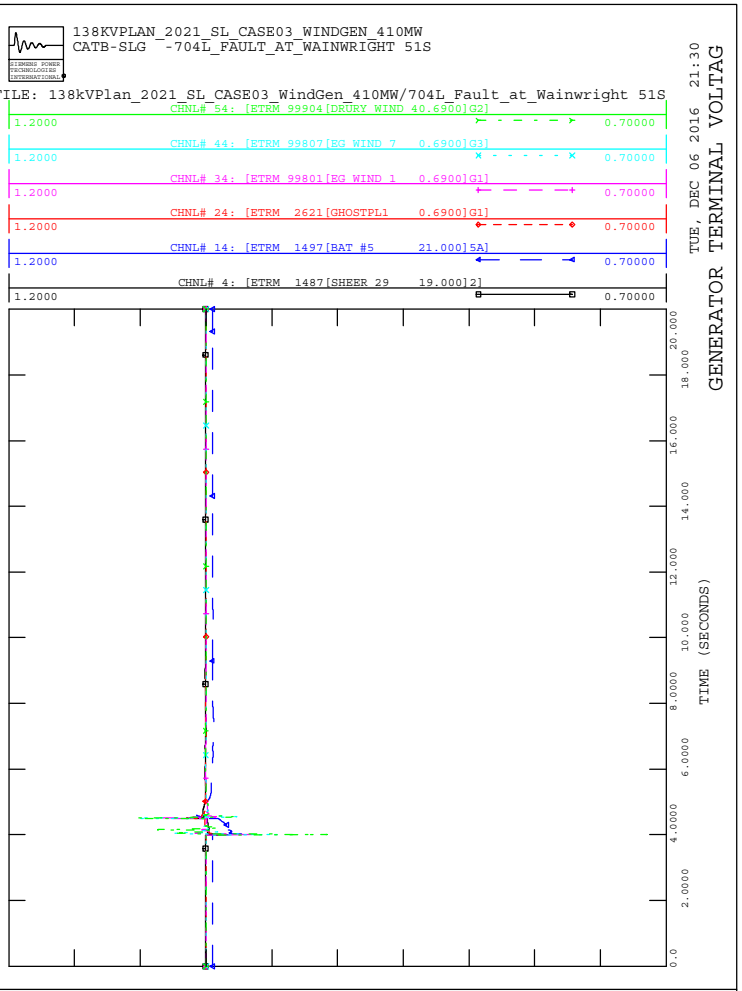
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S

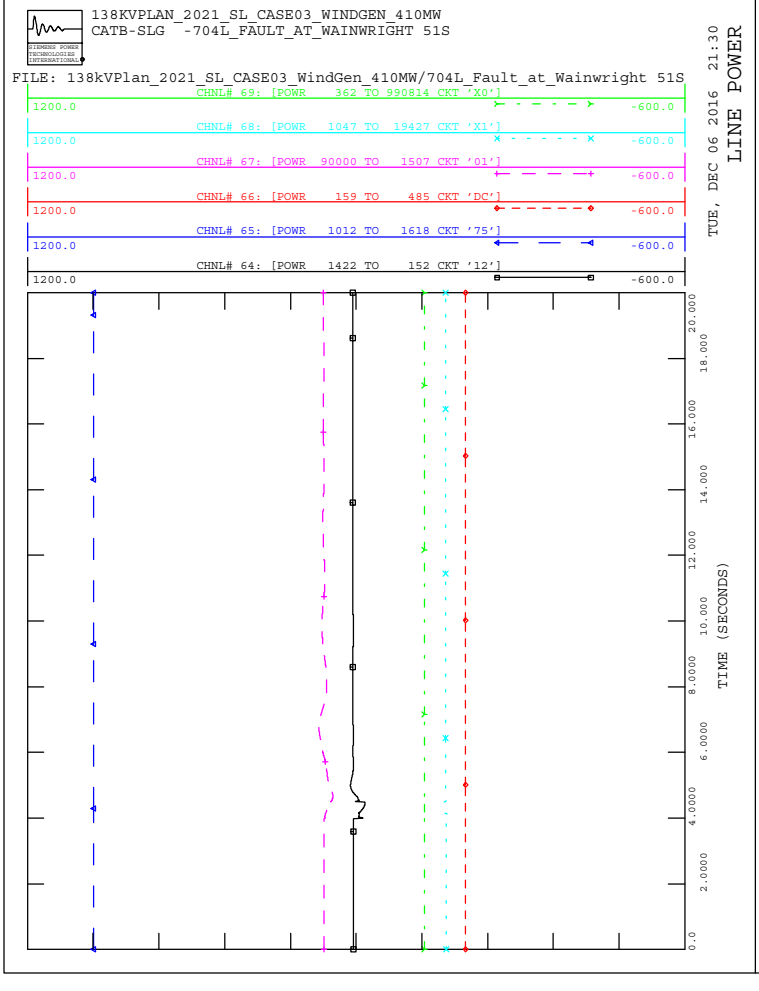
TUE, DEC 06 2016 21:30

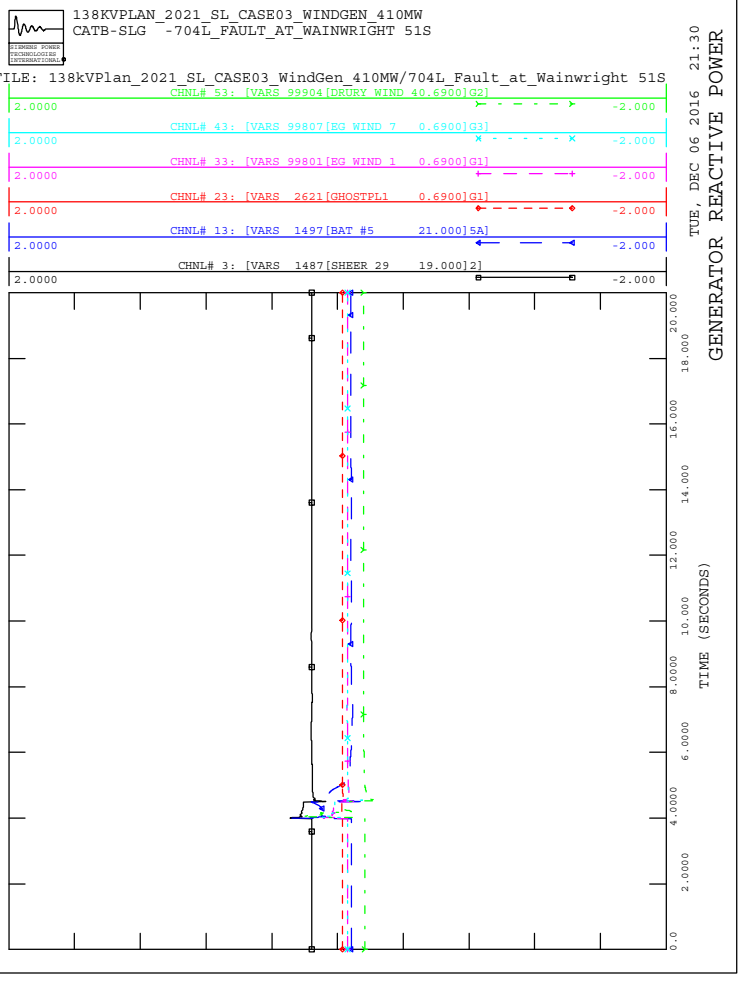
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

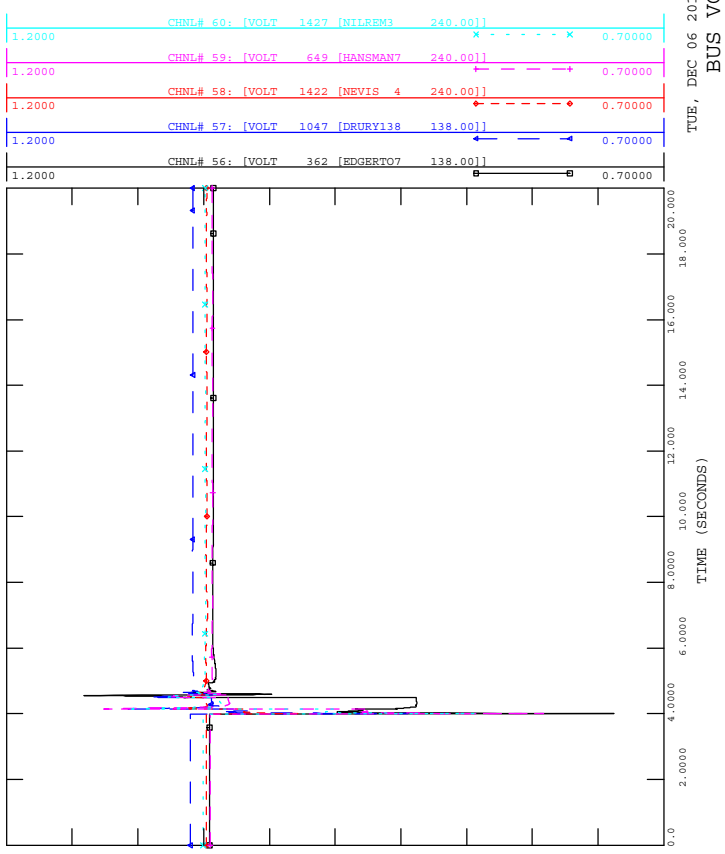

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

BUS VOLTAGE

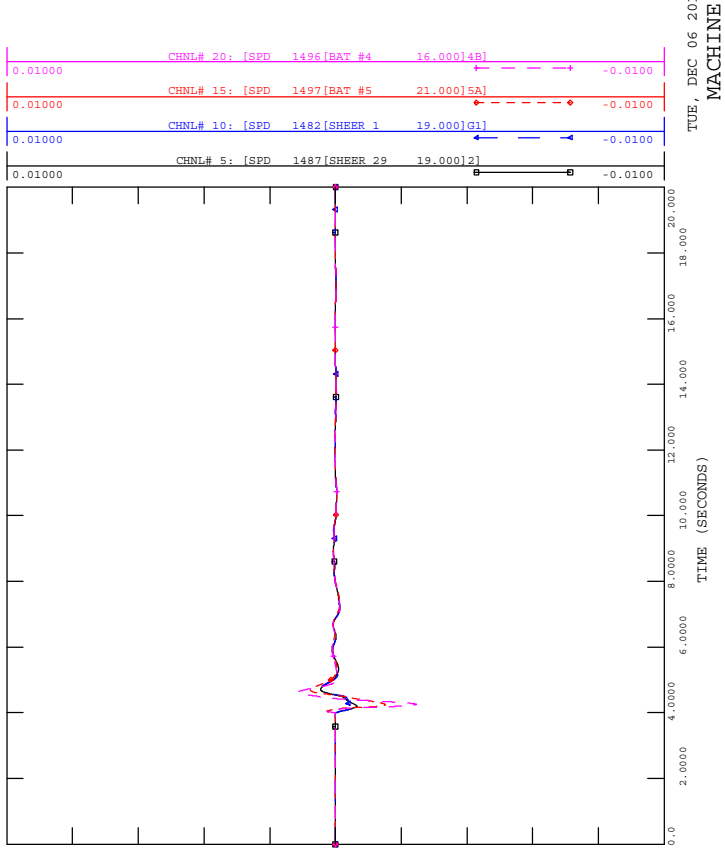


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

MACHINE SPEED

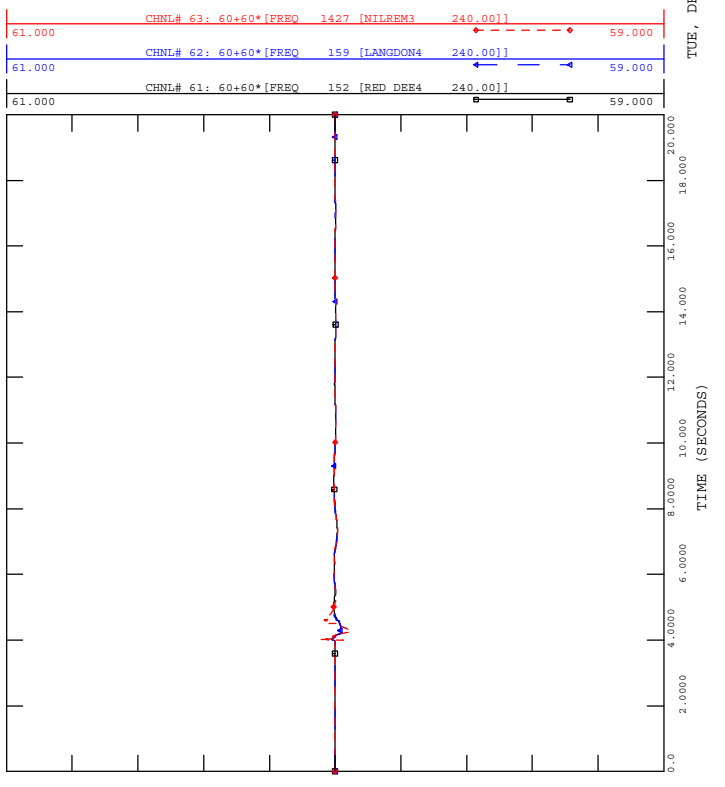


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

FREQUENCY

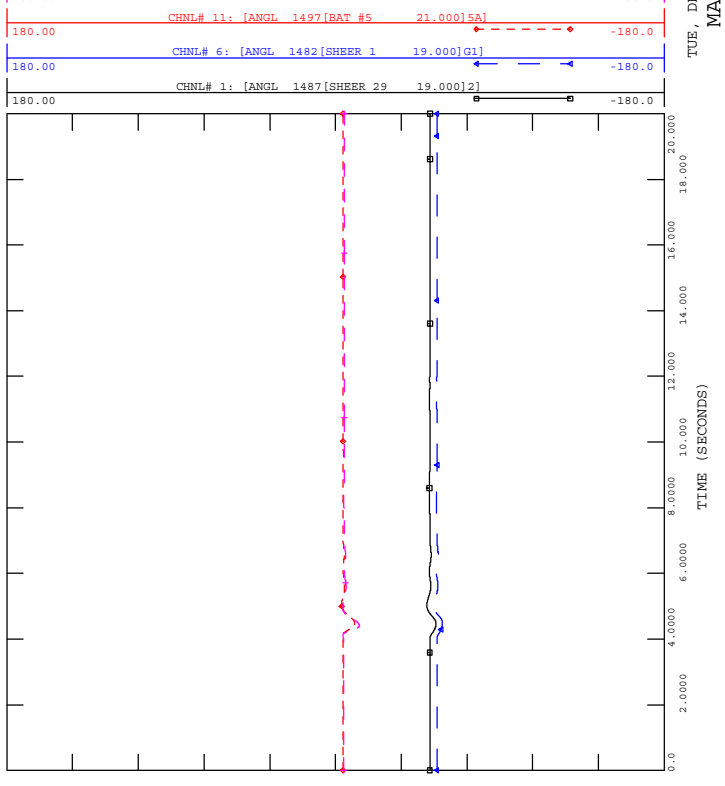


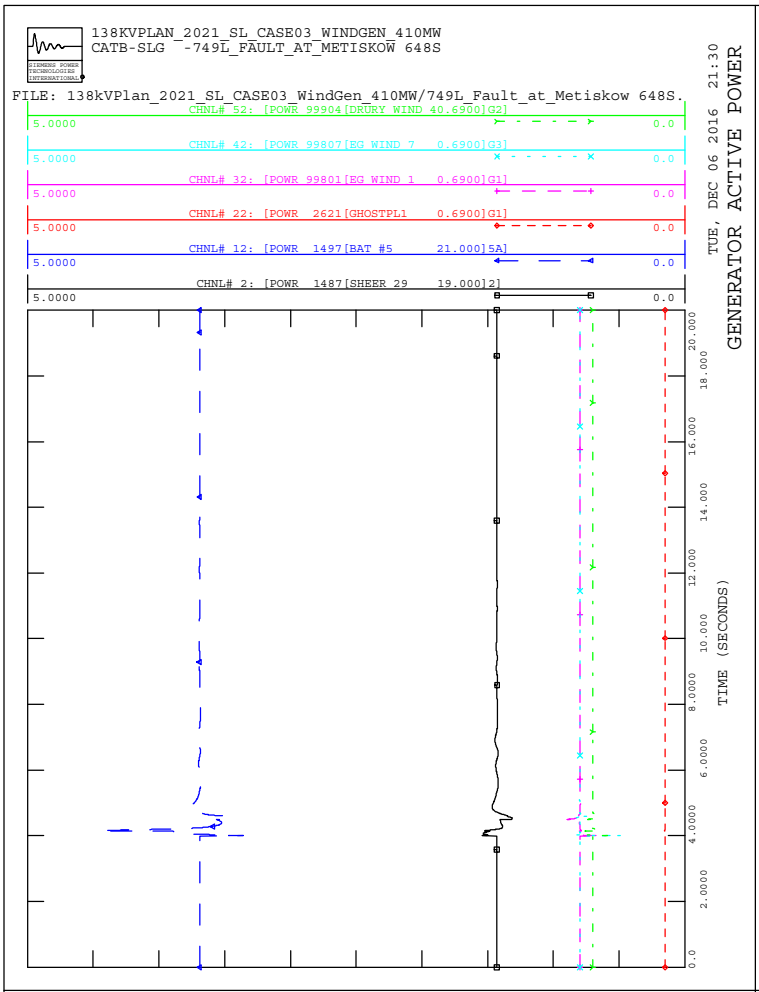
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

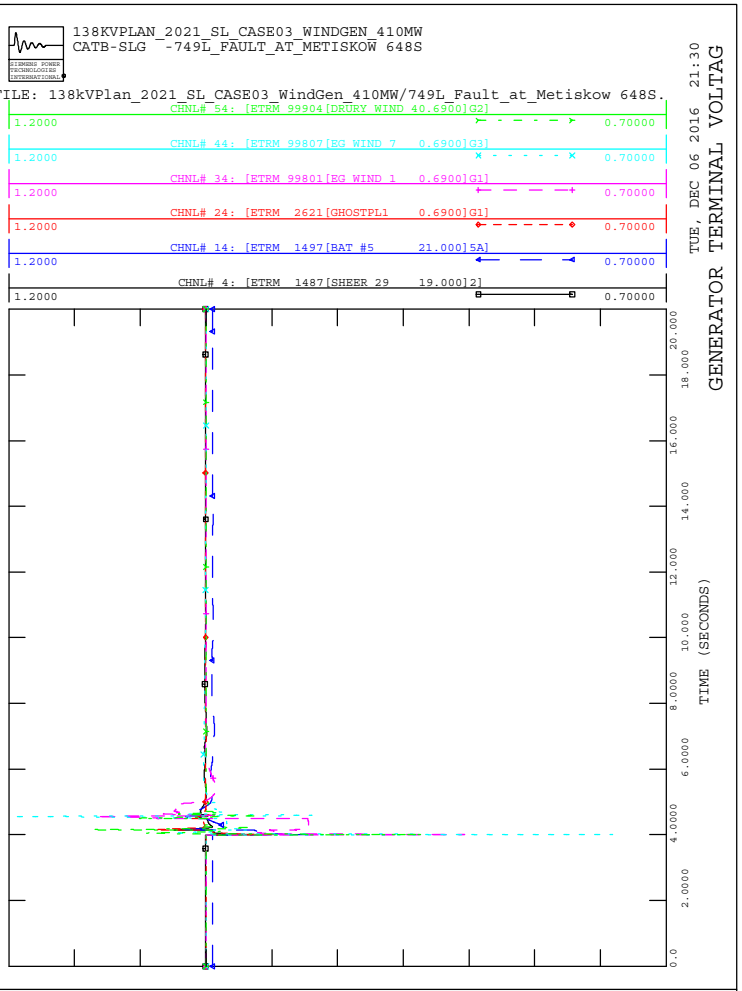
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.

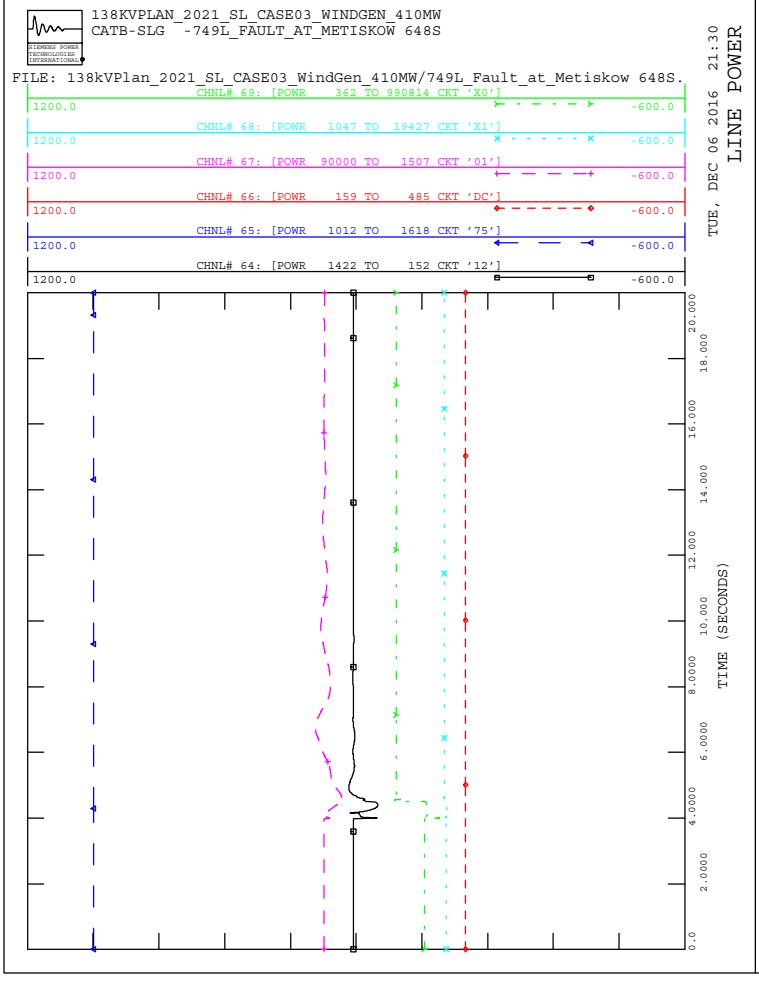
TUE, DEC 06 2016 21:30

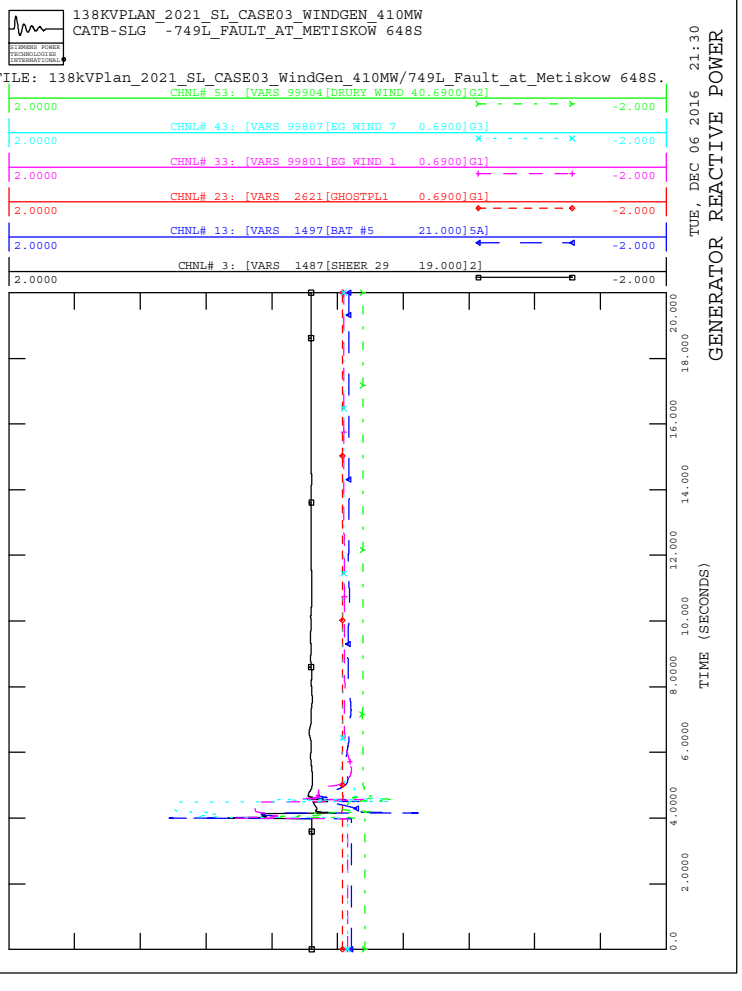
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

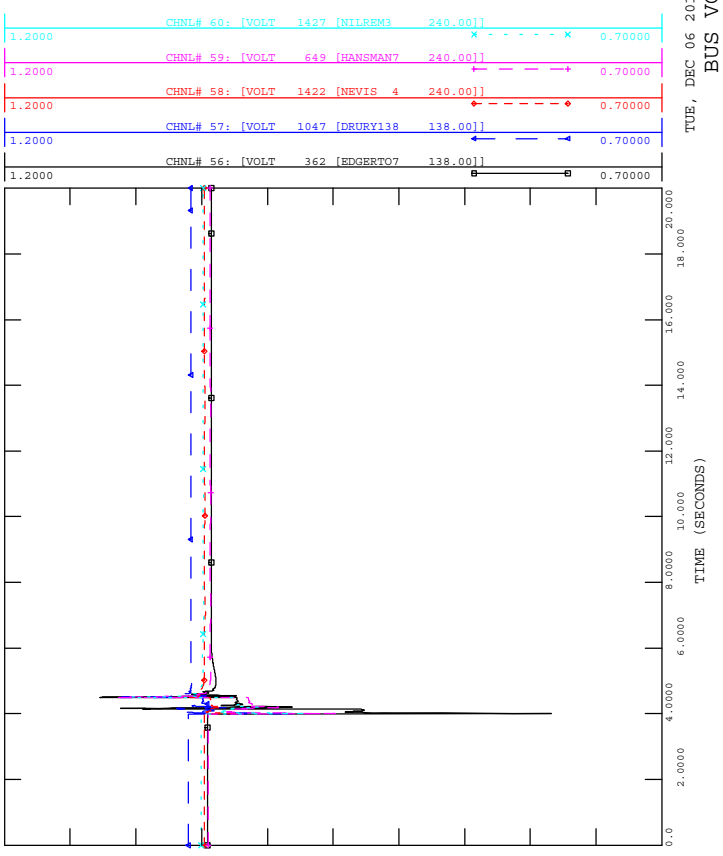

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

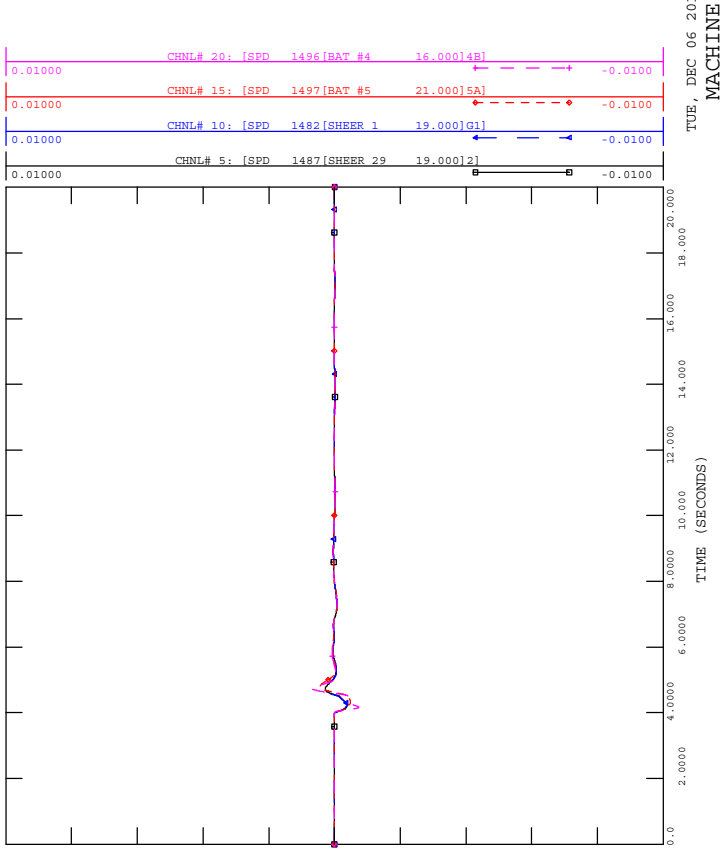
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.



TUE, DEC 06 2016 21:30
BUS VOLTAGE

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

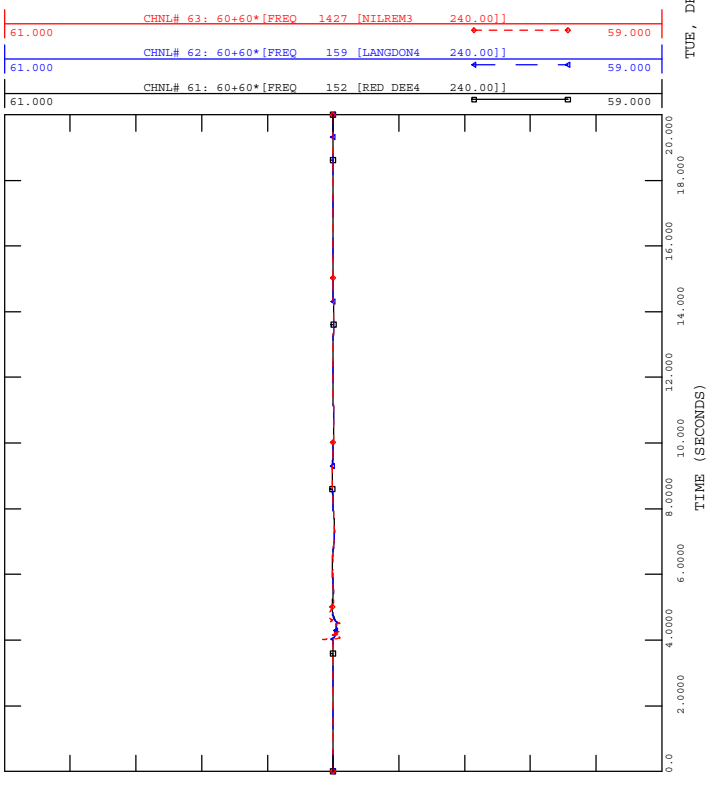
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.



TUE, DEC 06 2016 21:30
MACHINE SPEED

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

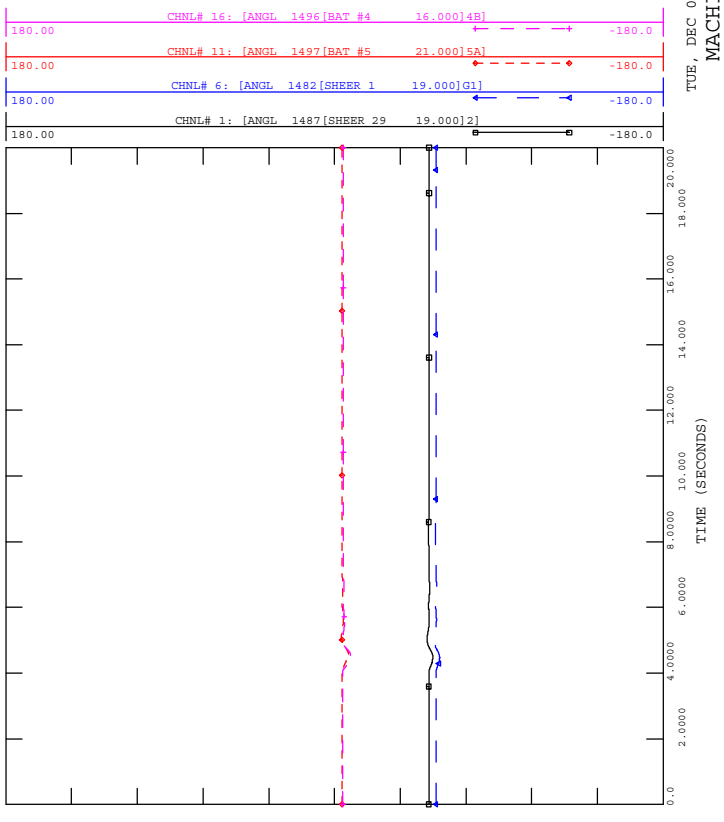
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.



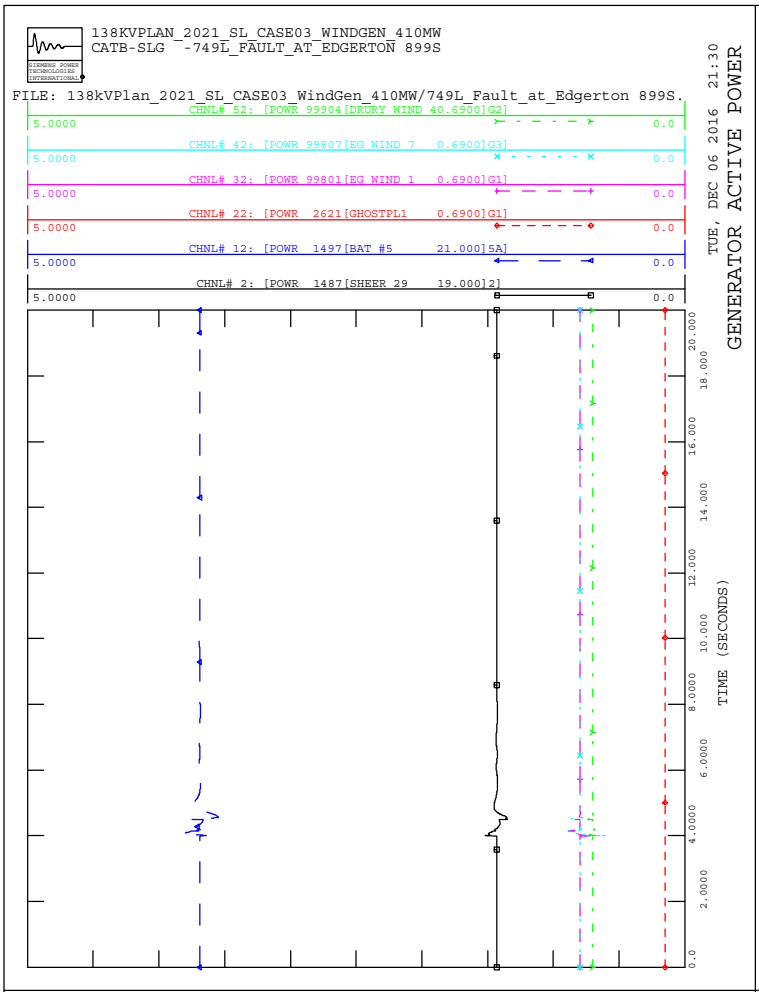
TUE, DEC 06 2016 21:30
FREQUENCY

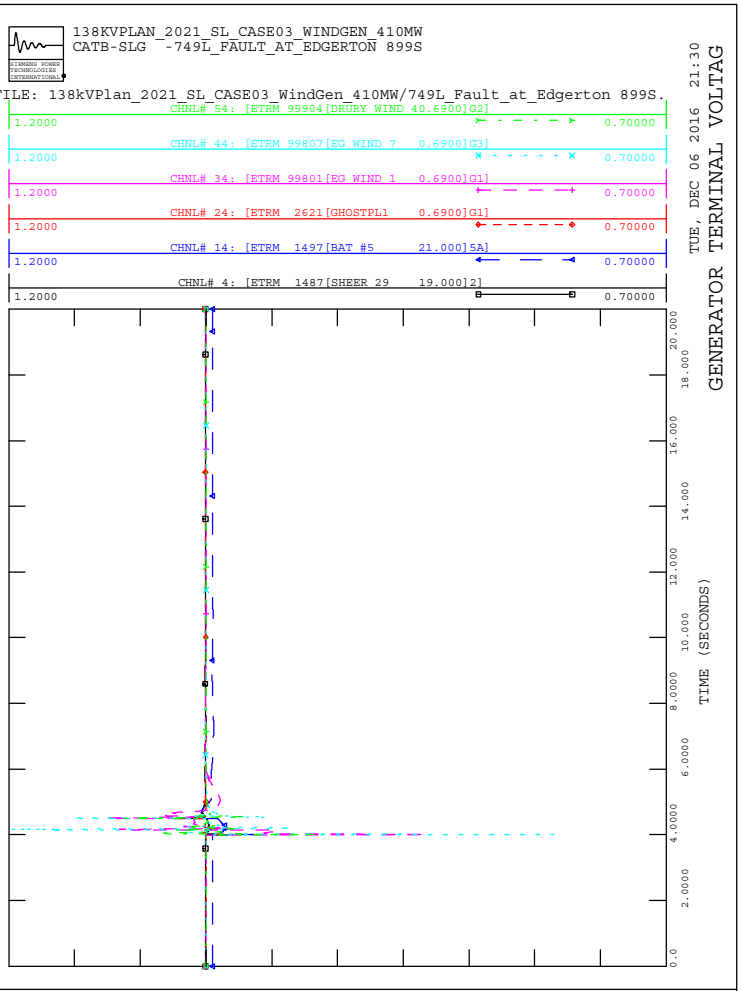
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

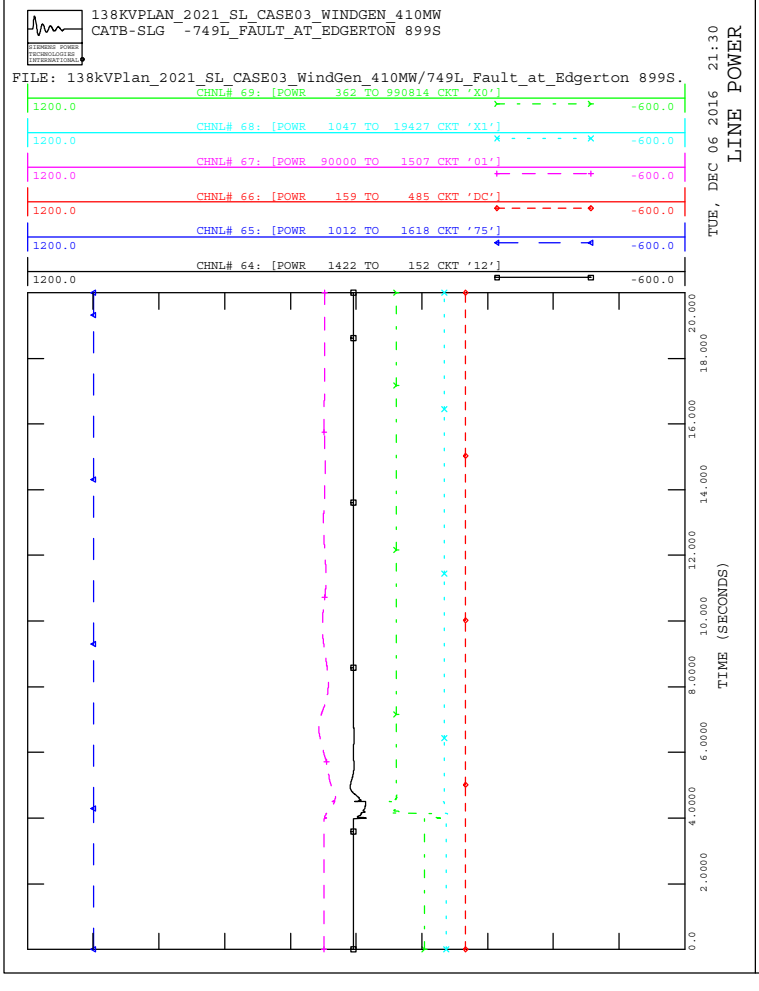
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.

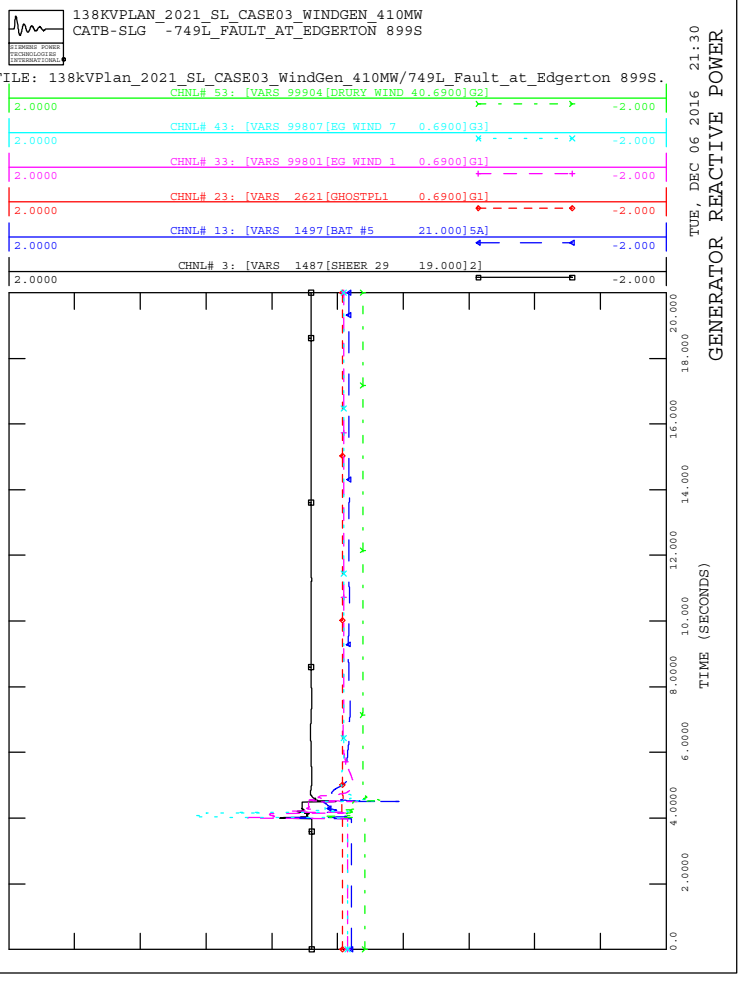


TUE, DEC 06 2016 21:30
MACHINE ANGLE


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)

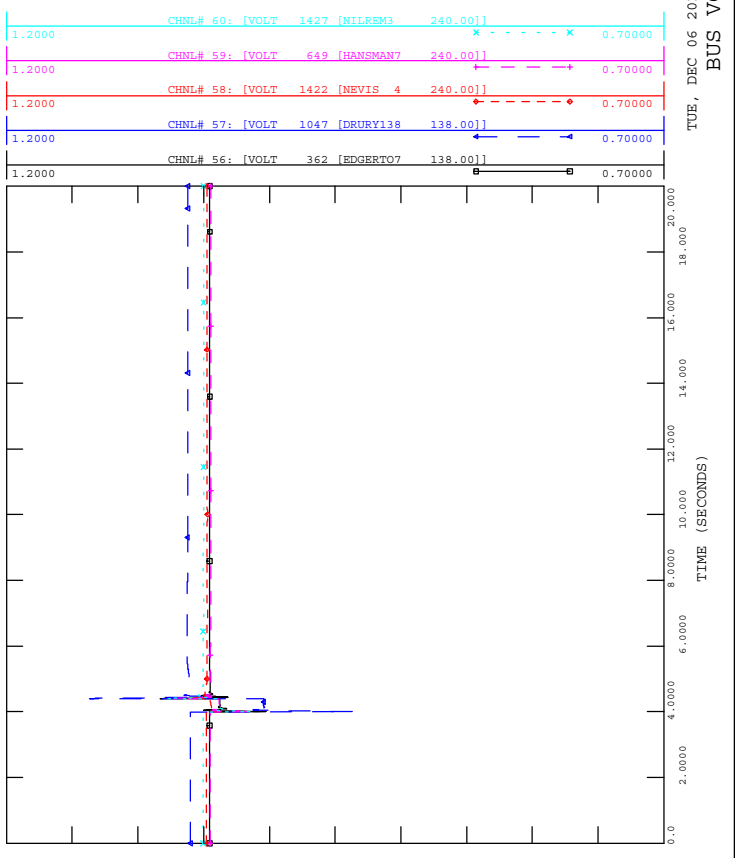

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:30

BUS VOLTAGE

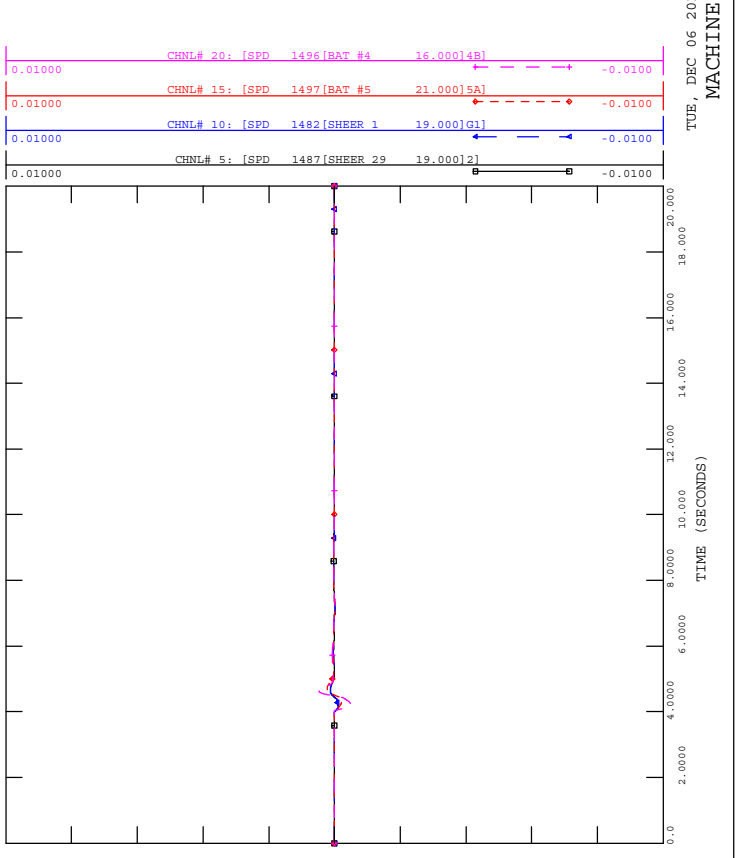


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:30

MACHINE SPEED

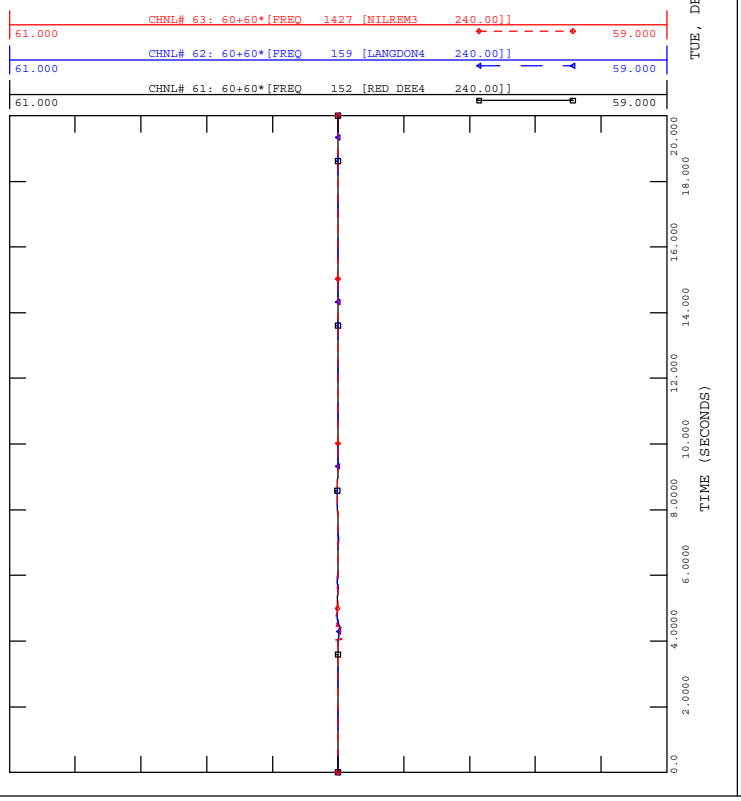


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:30

FREQUENCY

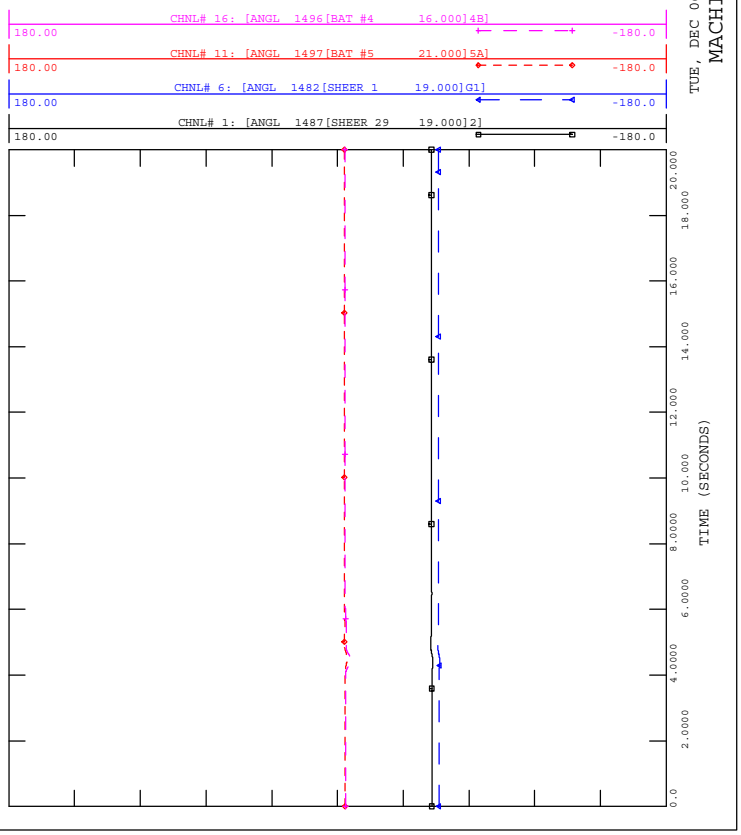


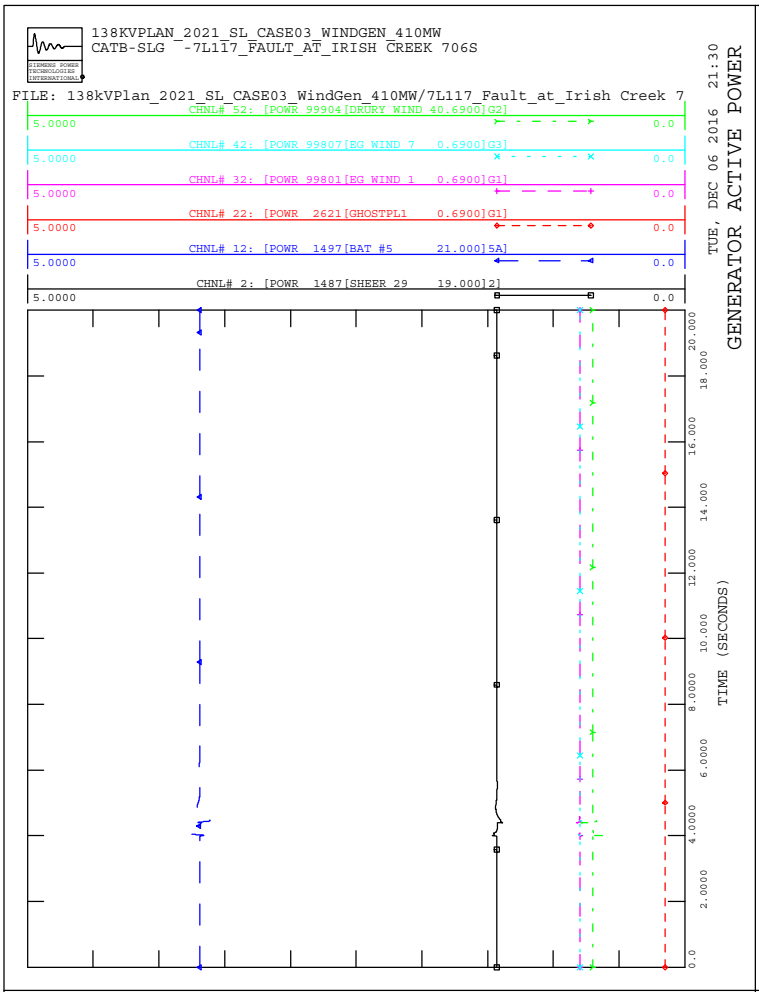
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

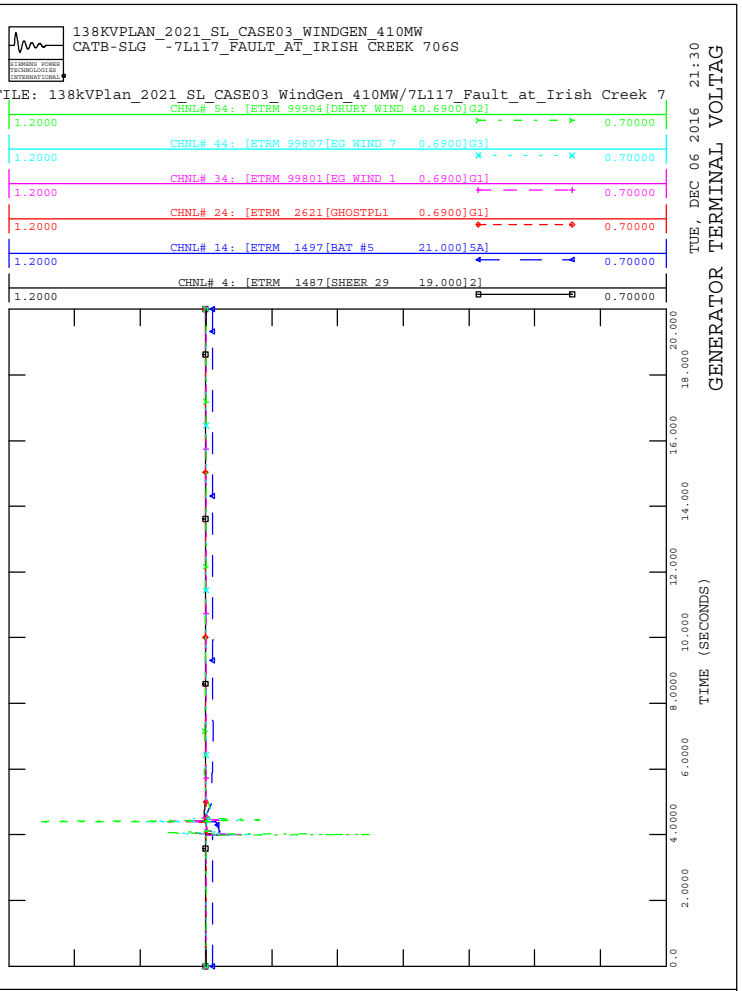
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7

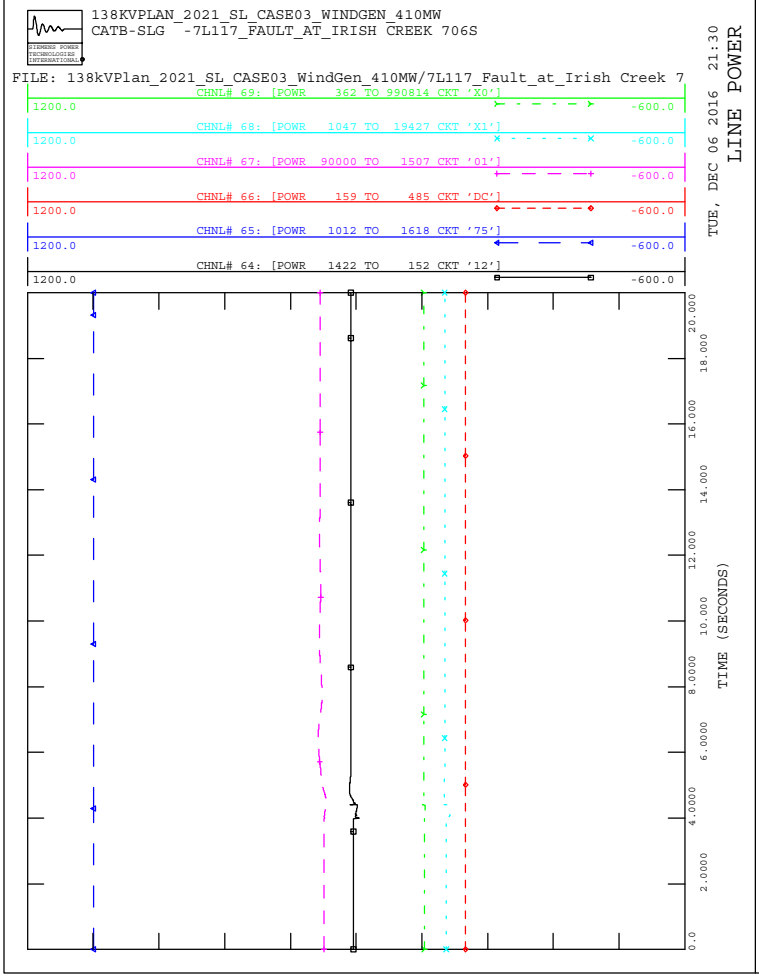
TUE, DEC 06 2016 21:30

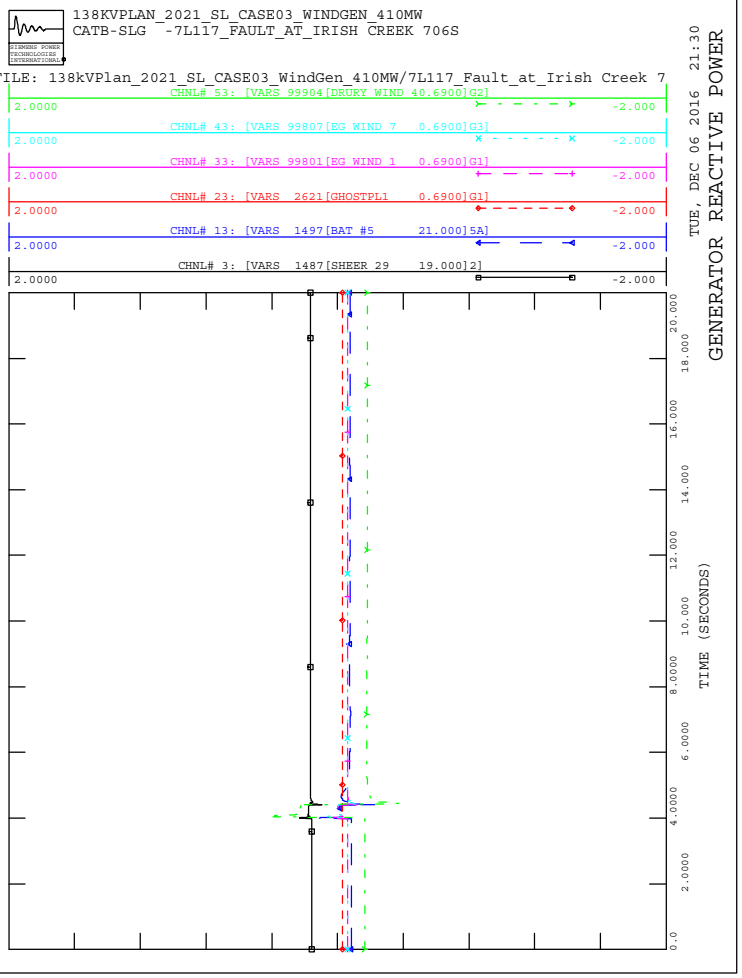
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

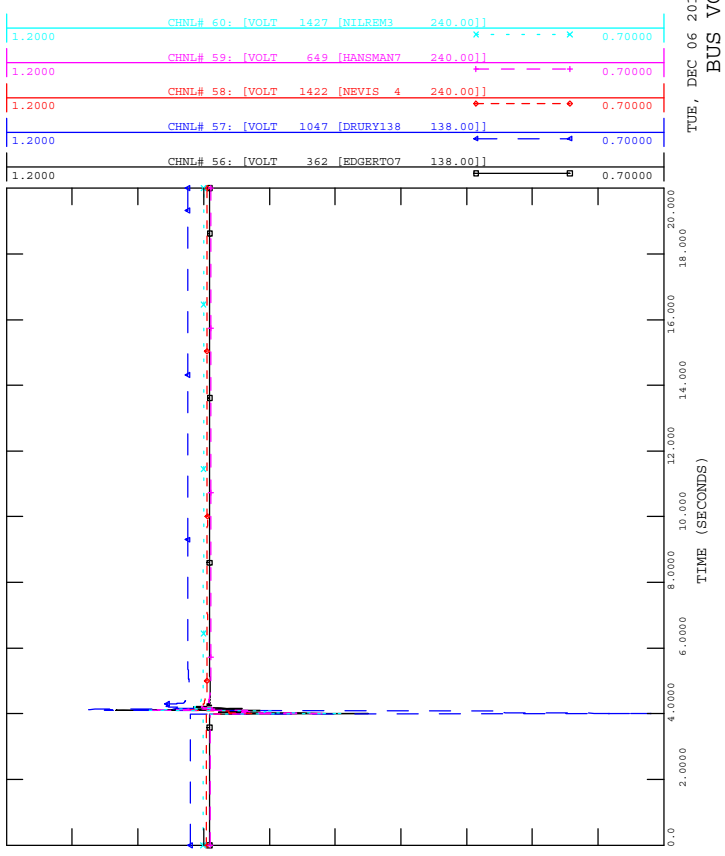

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

BUS VOLTAGE

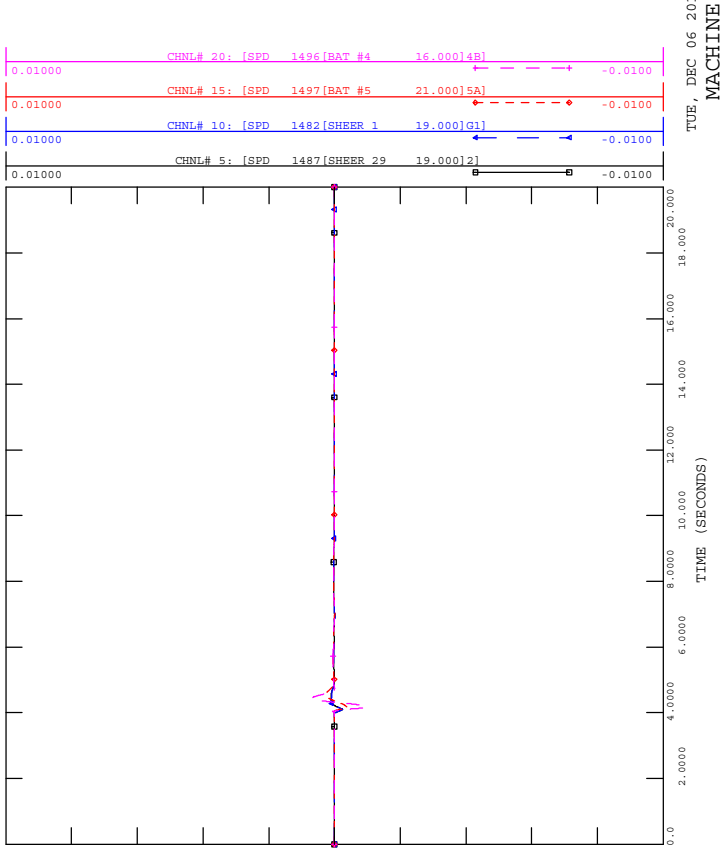


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

MACHINE SPEED

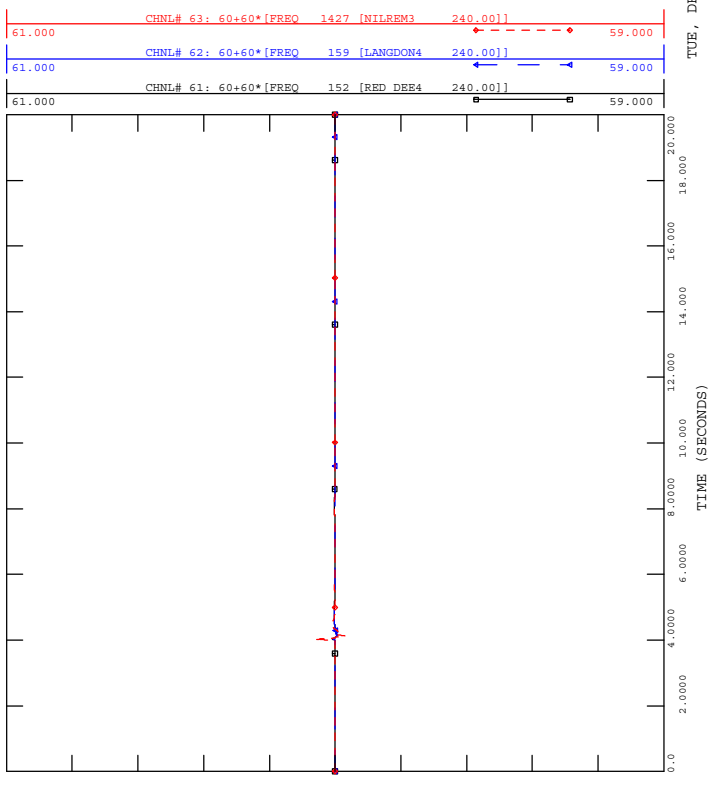


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

FREQUENCY

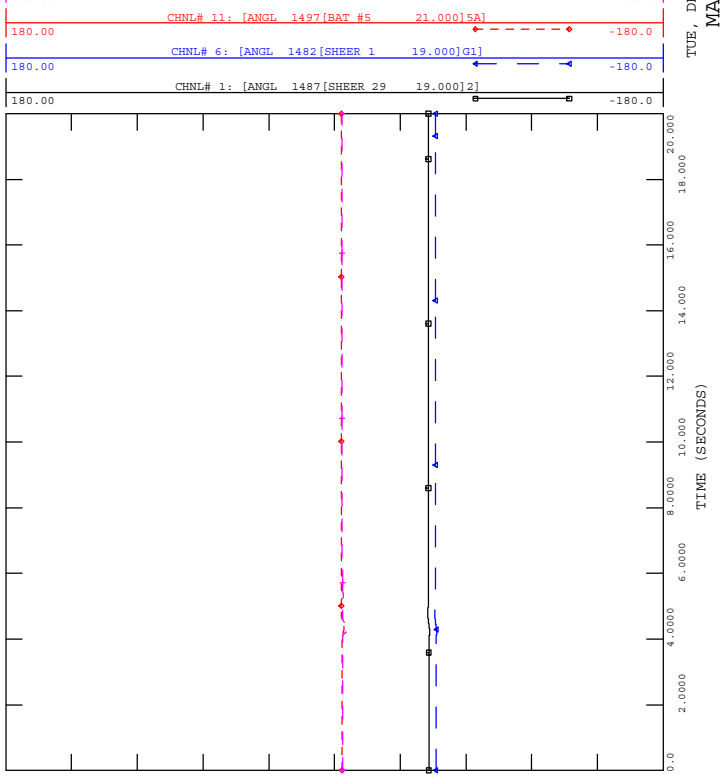


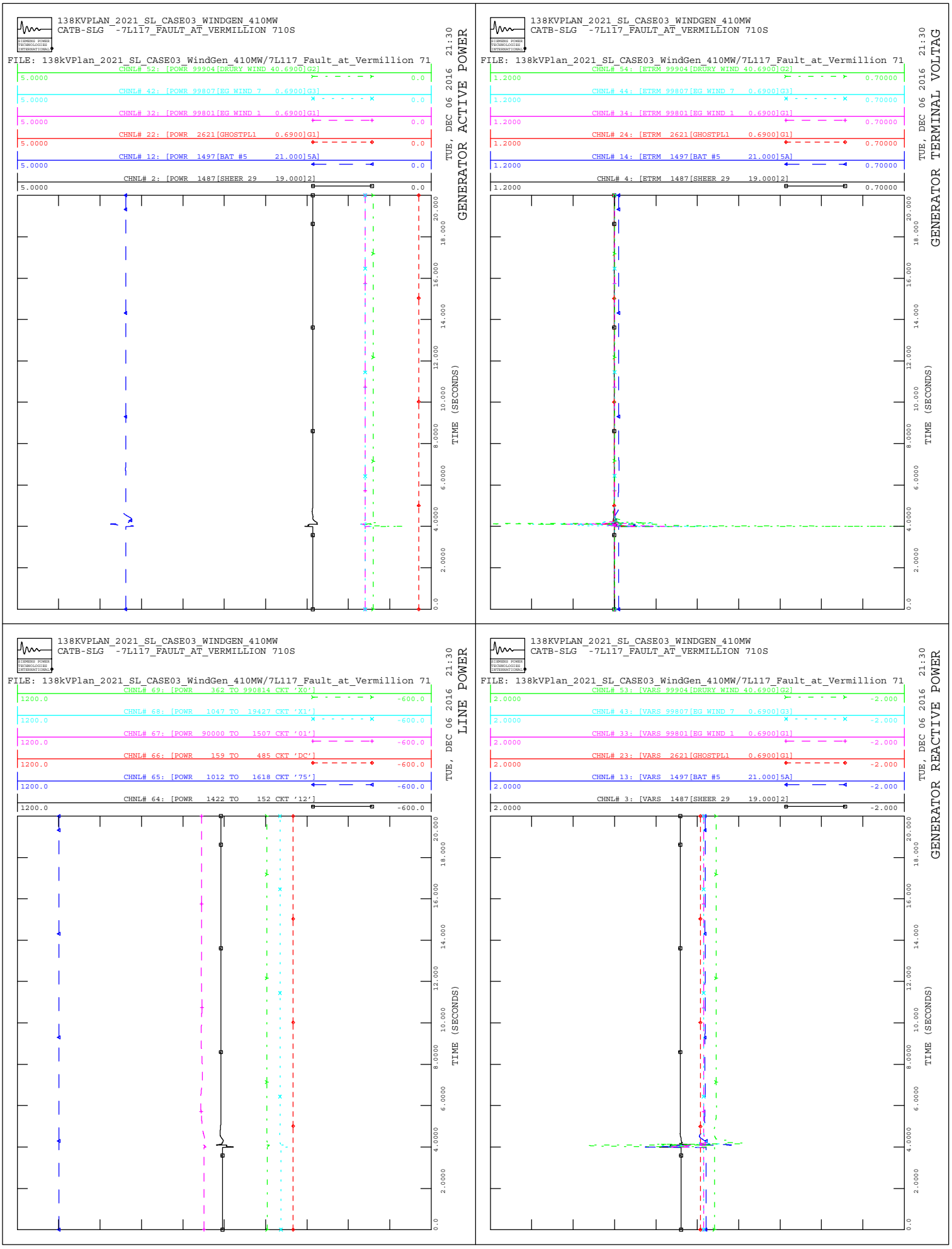
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

MACHINE ANGLE



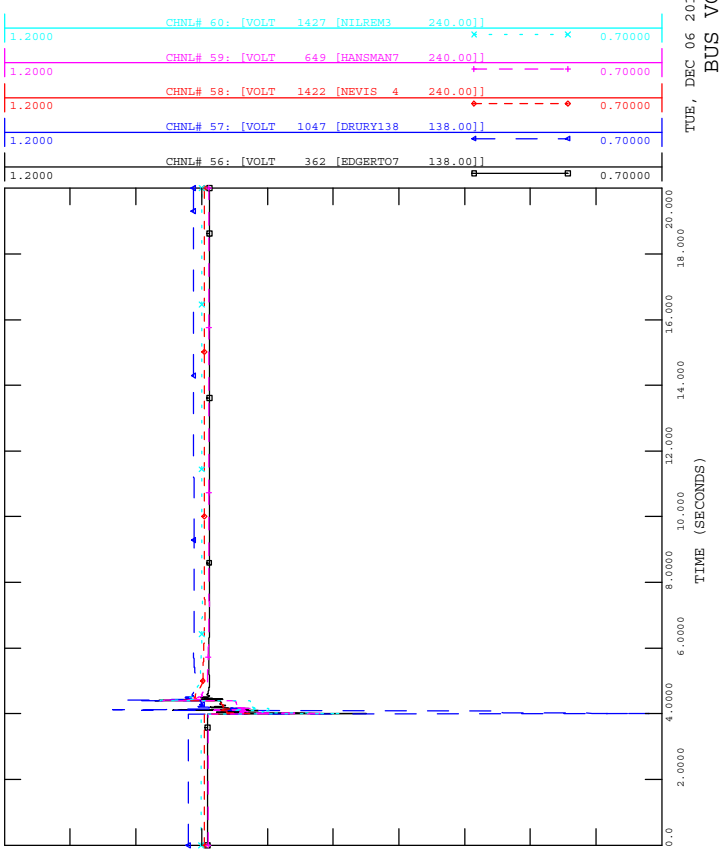

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

BUS VOLTAGE

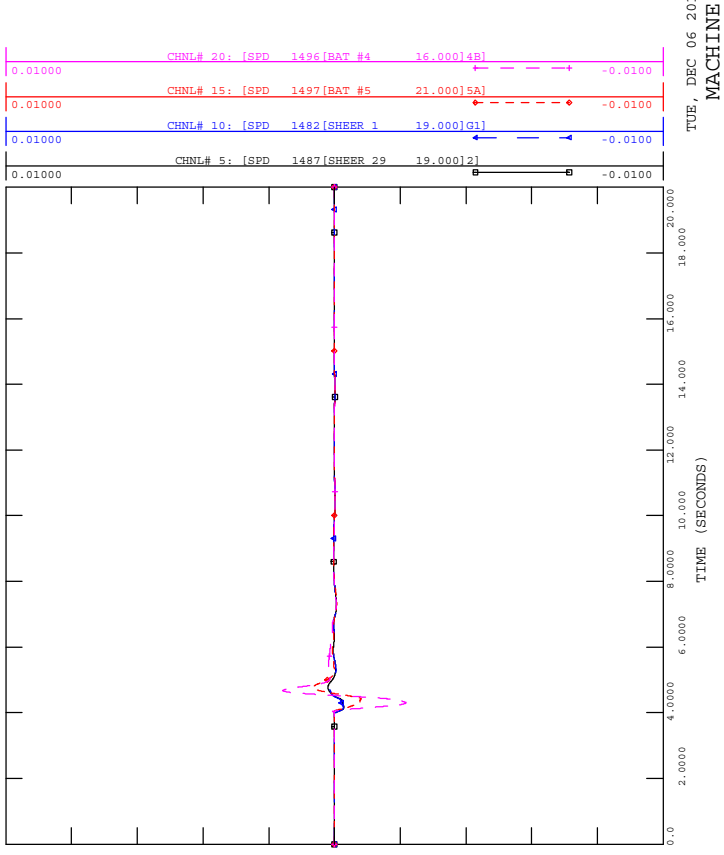


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

MACHINE SPEED

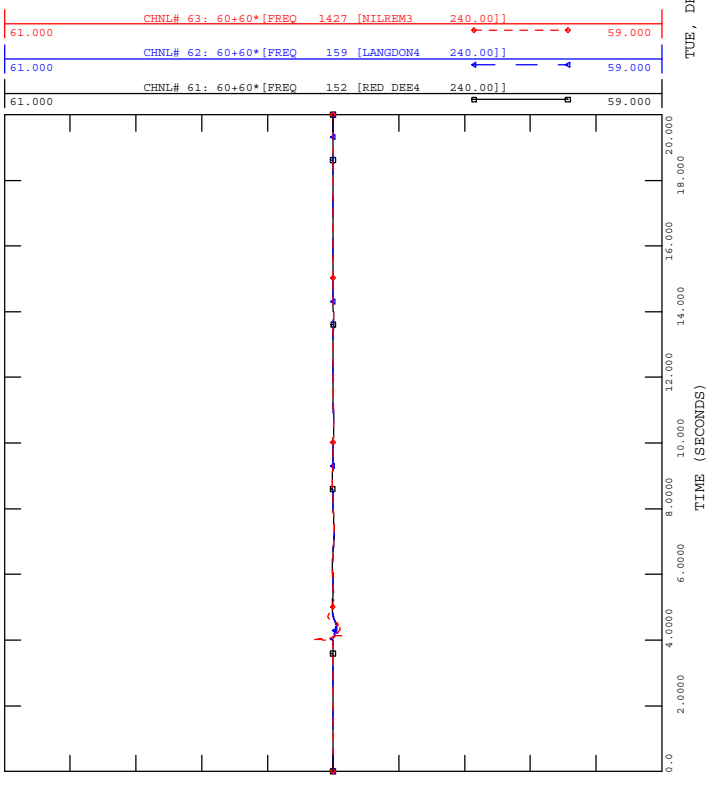


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

FREQUENCY

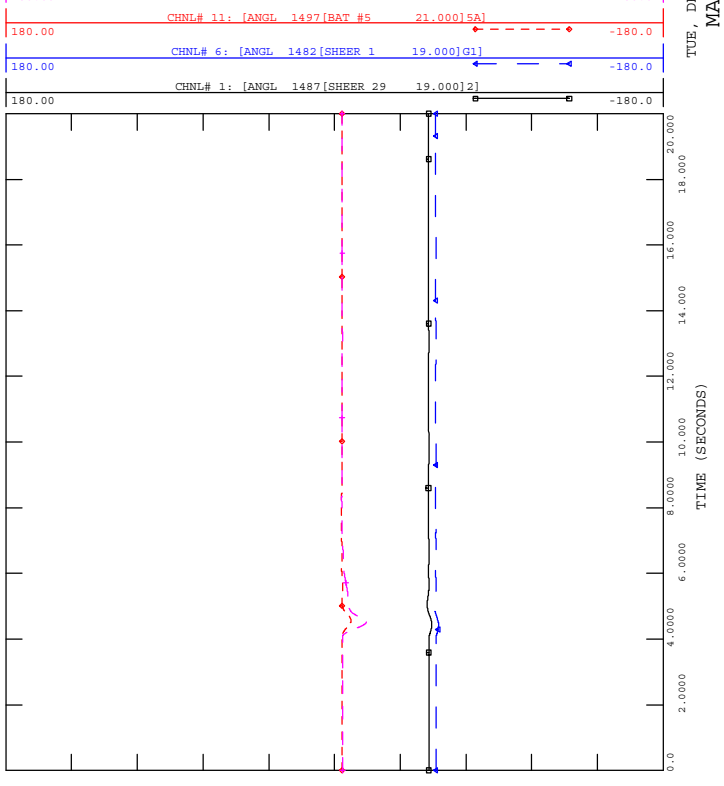


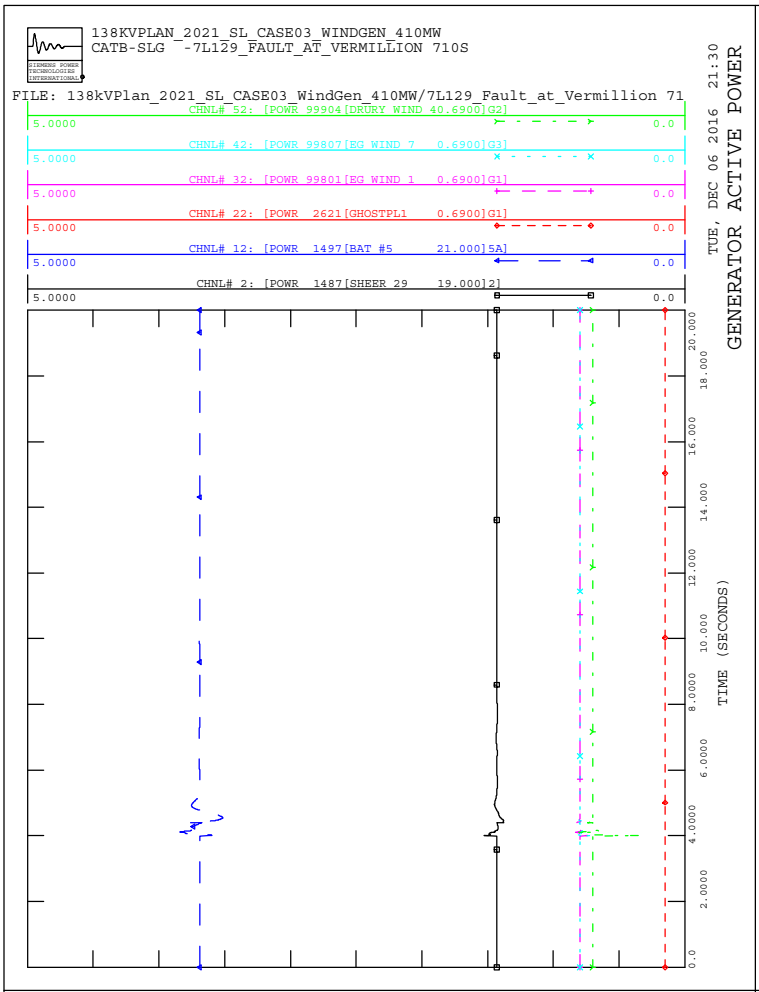
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

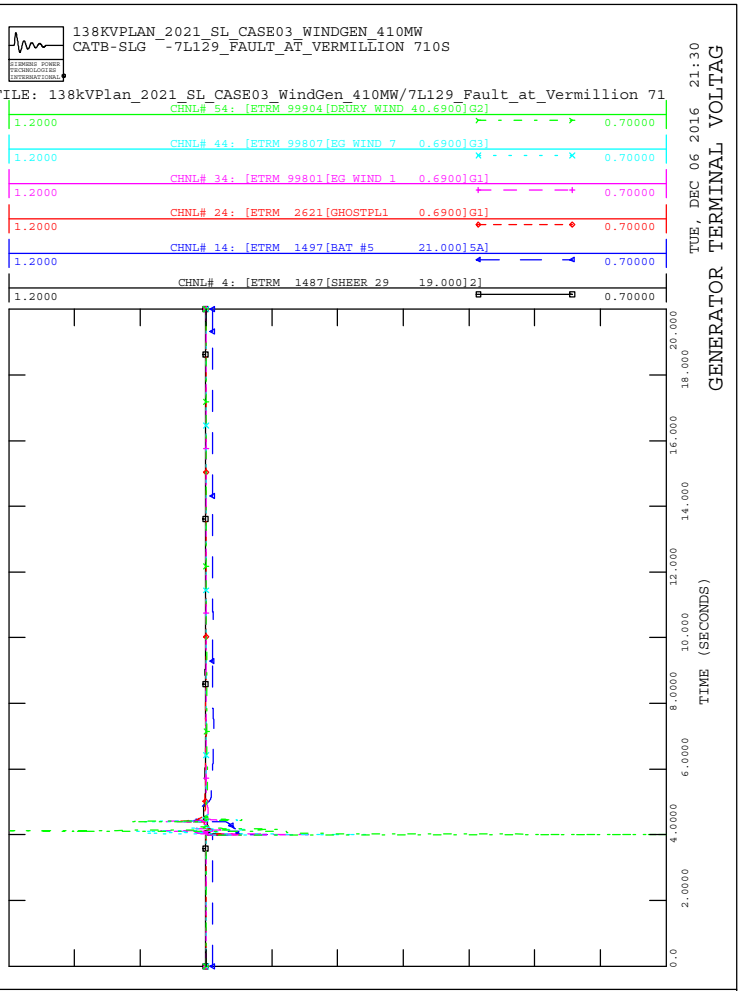
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71

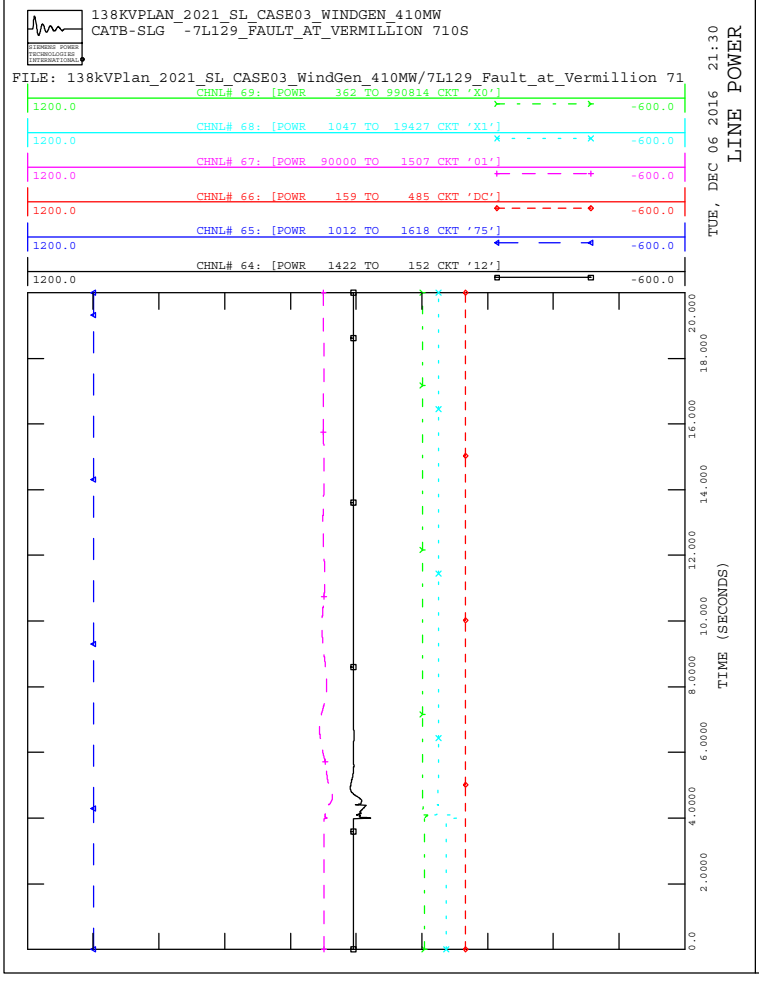
TUE, DEC 06 2016 21:30

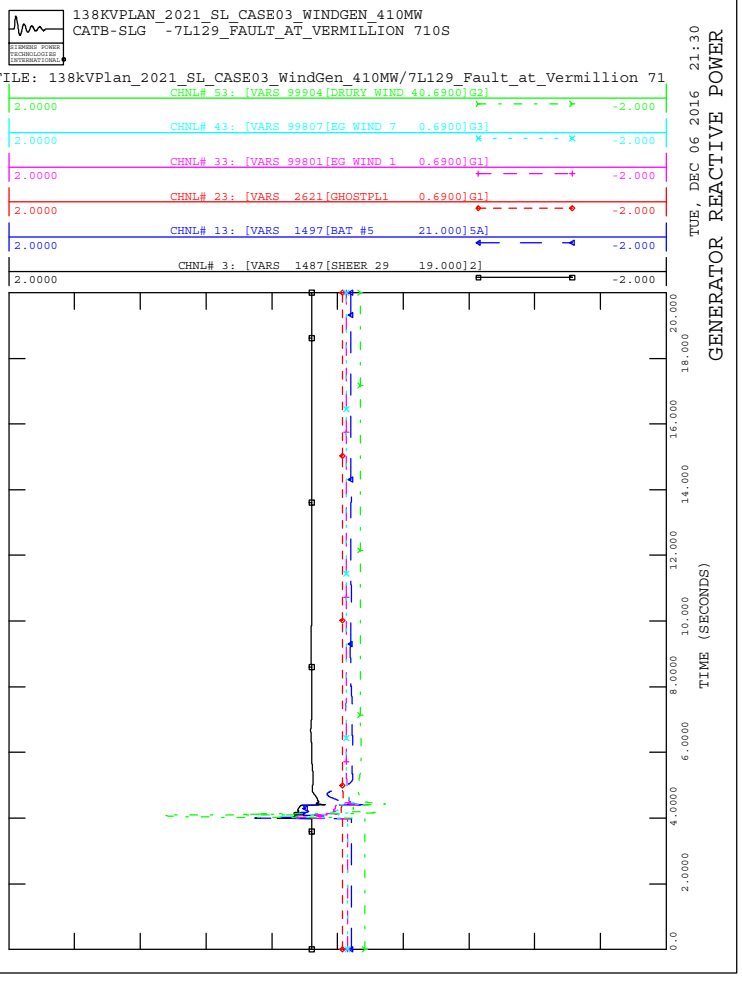
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

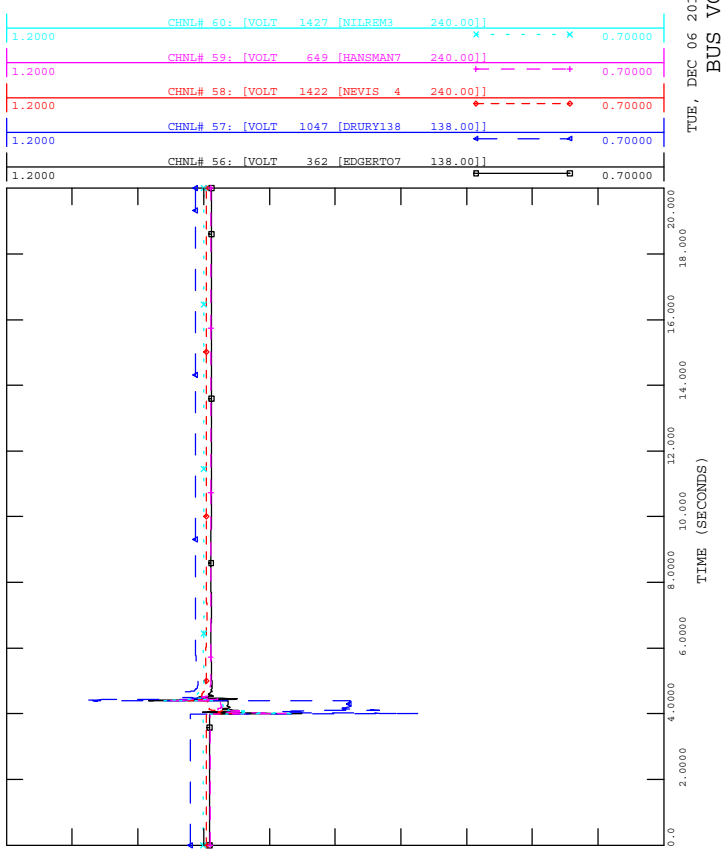

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

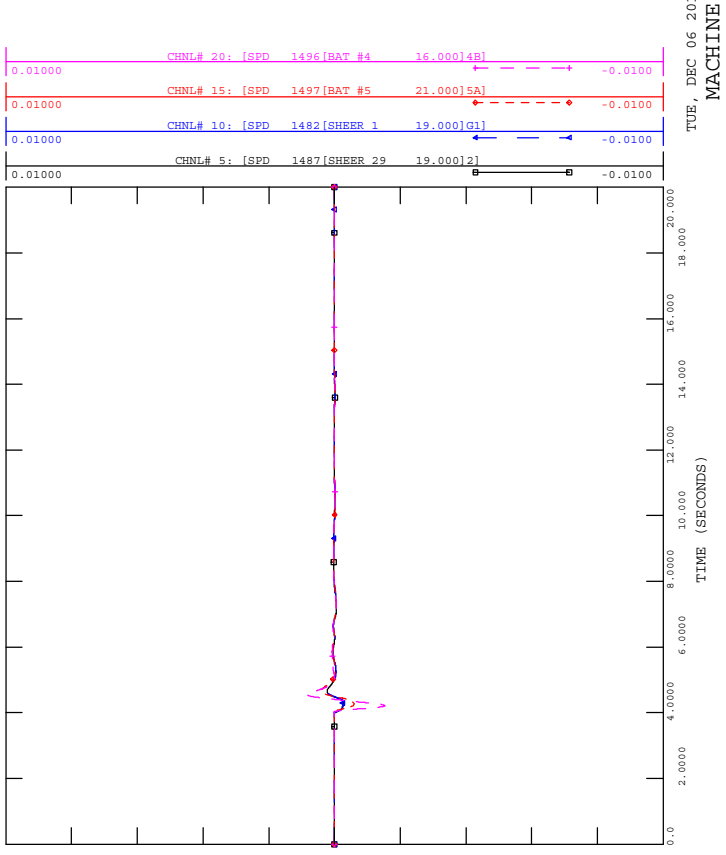
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek



TUE, DEC 06 2016 21:30
BUS VOLTAGE

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

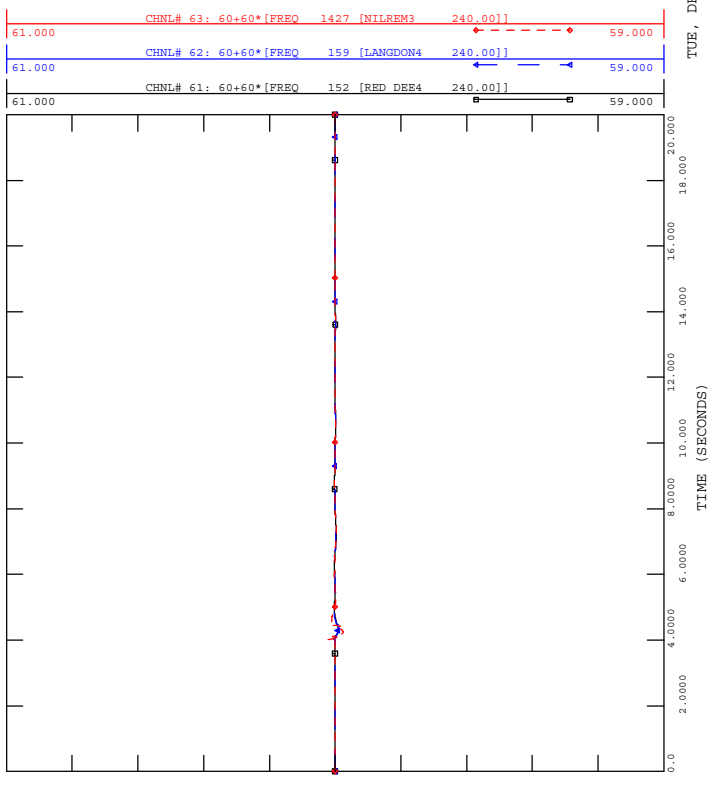
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek



TUE, DEC 06 2016 21:30
MACHINE SPEED

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

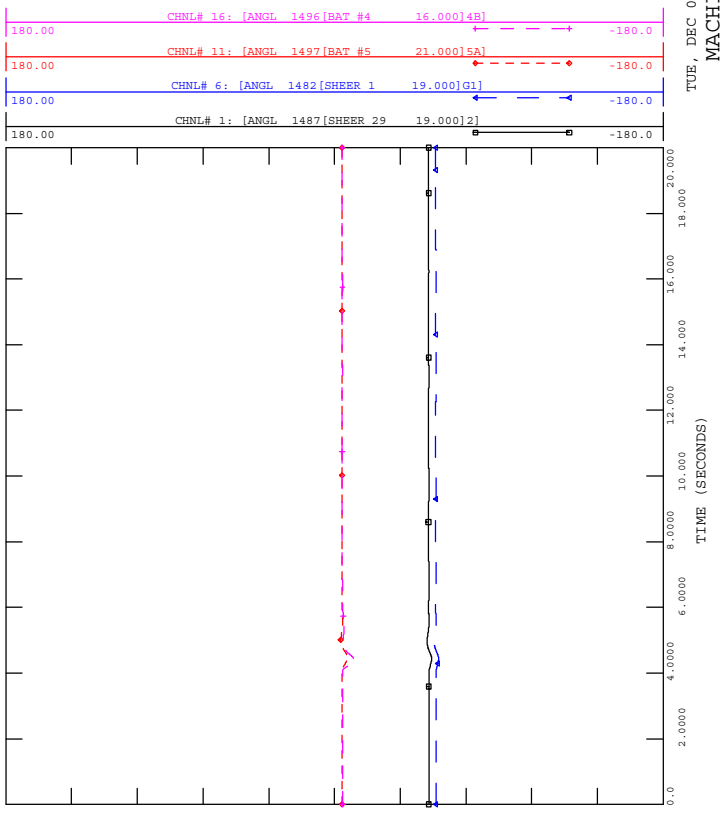
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek



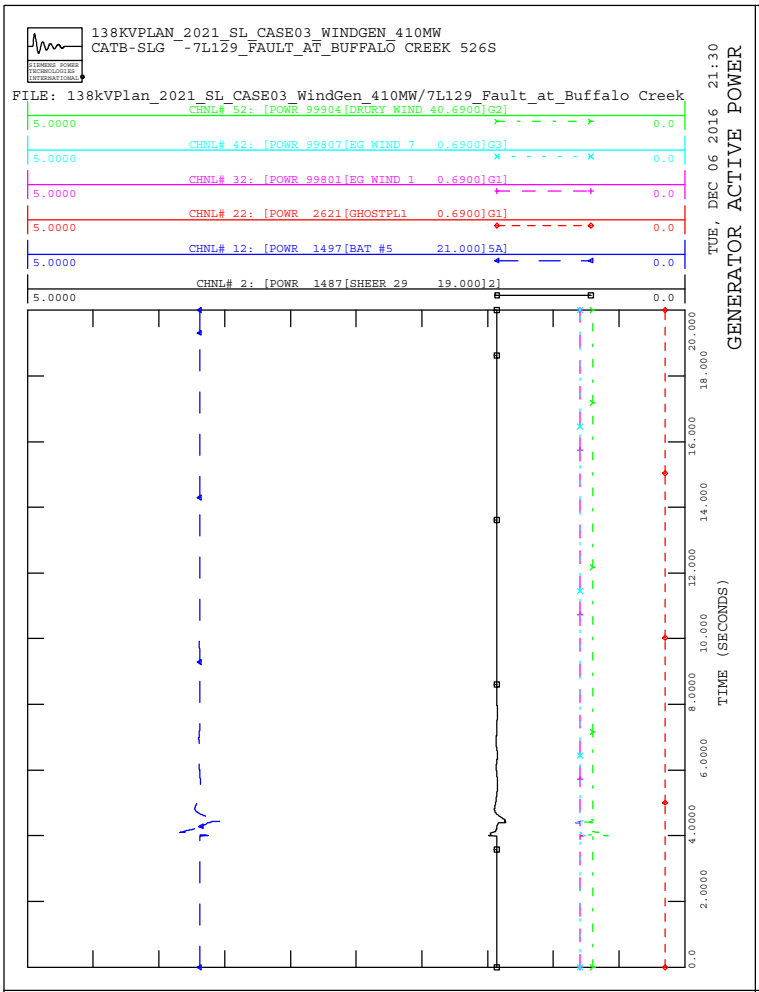
TUE, DEC 06 2016 21:30
FREQUENCY

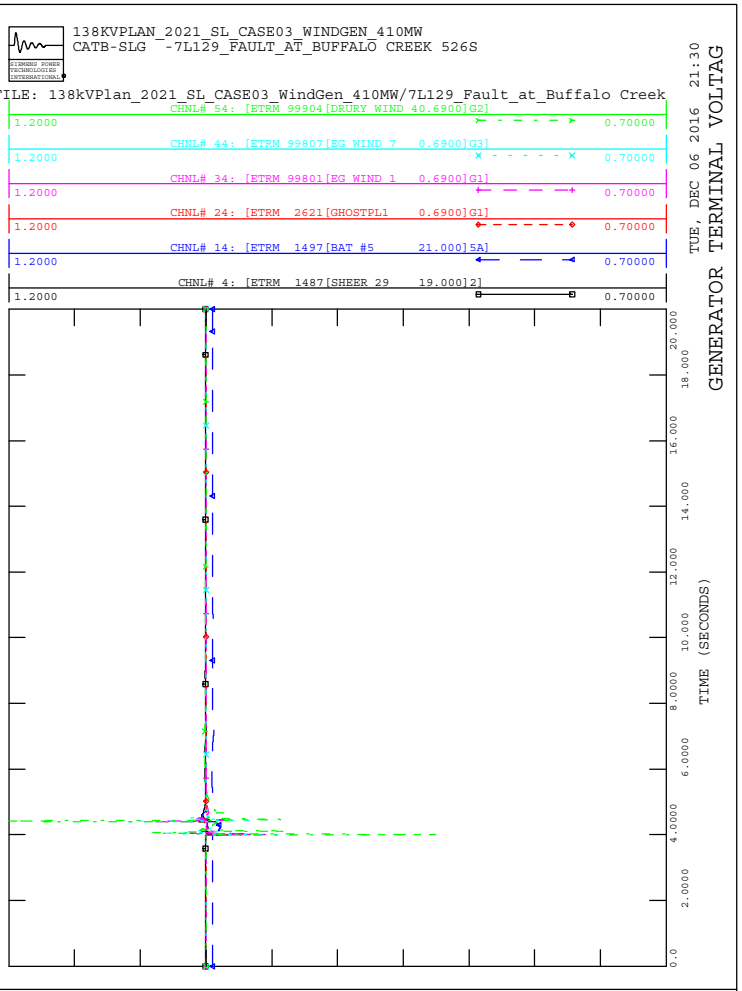
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

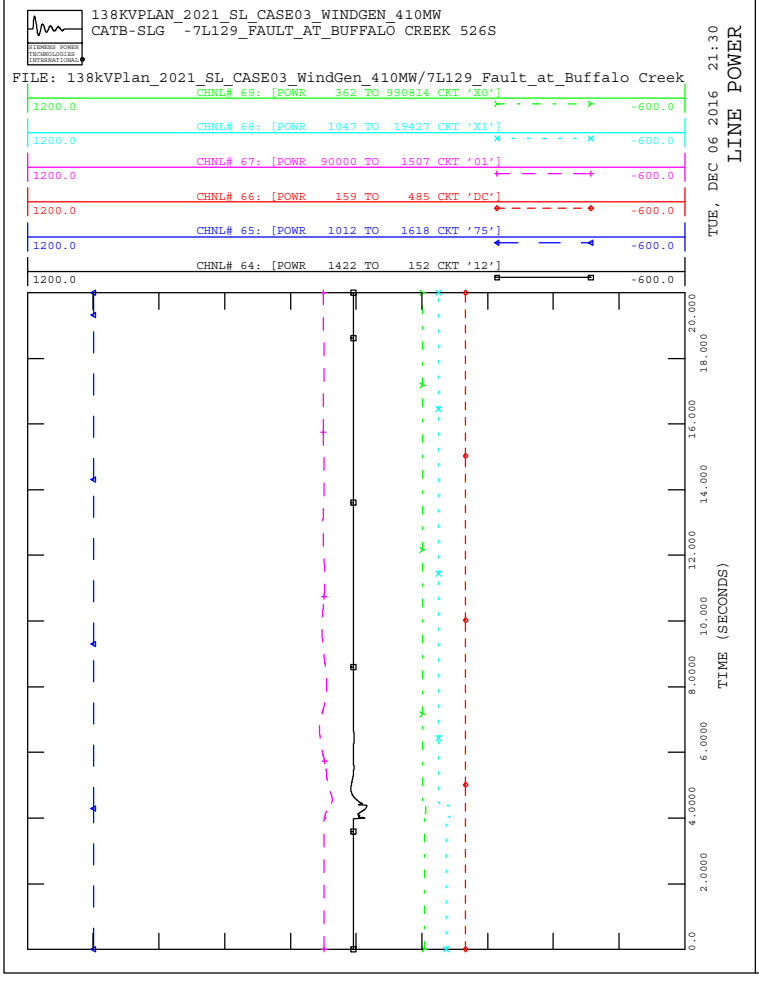
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek

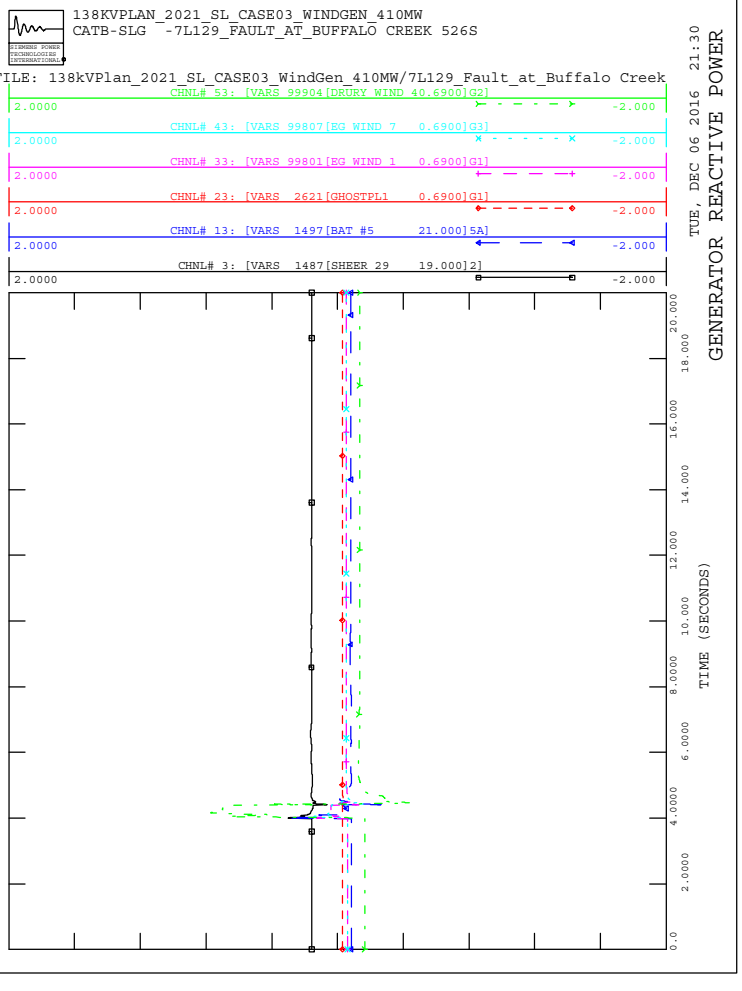


TUE, DEC 06 2016 21:30
MACHINE ANGLE


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)

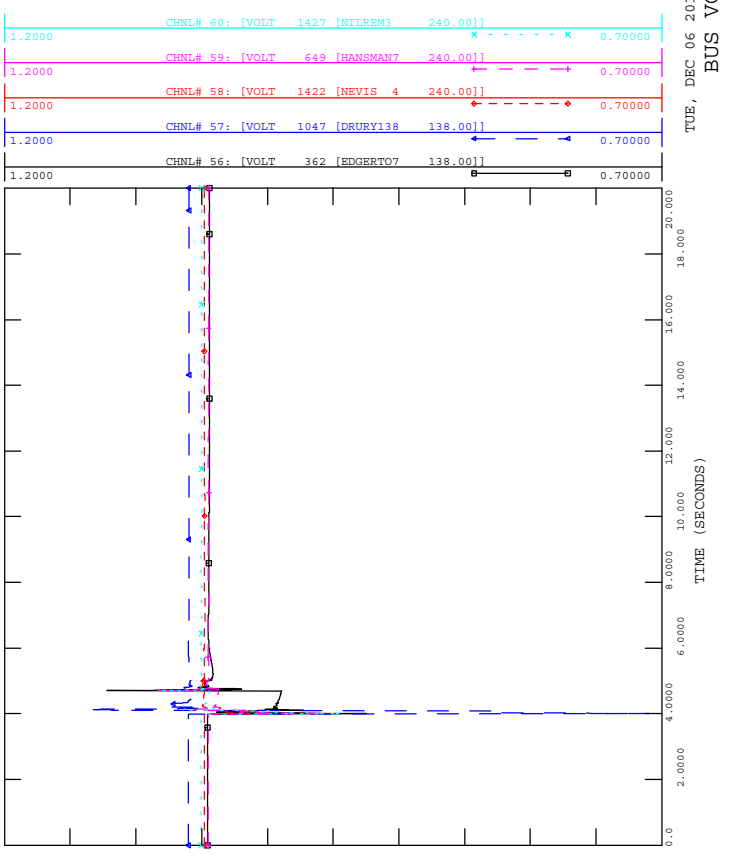

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

BUS VOLTAGE

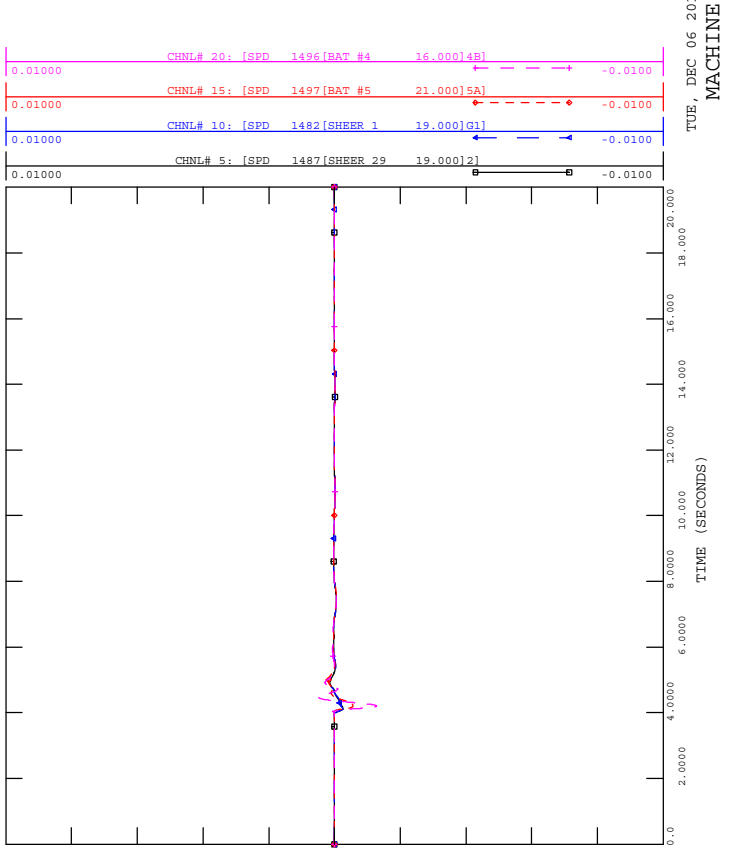


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

MACHINE SPEED

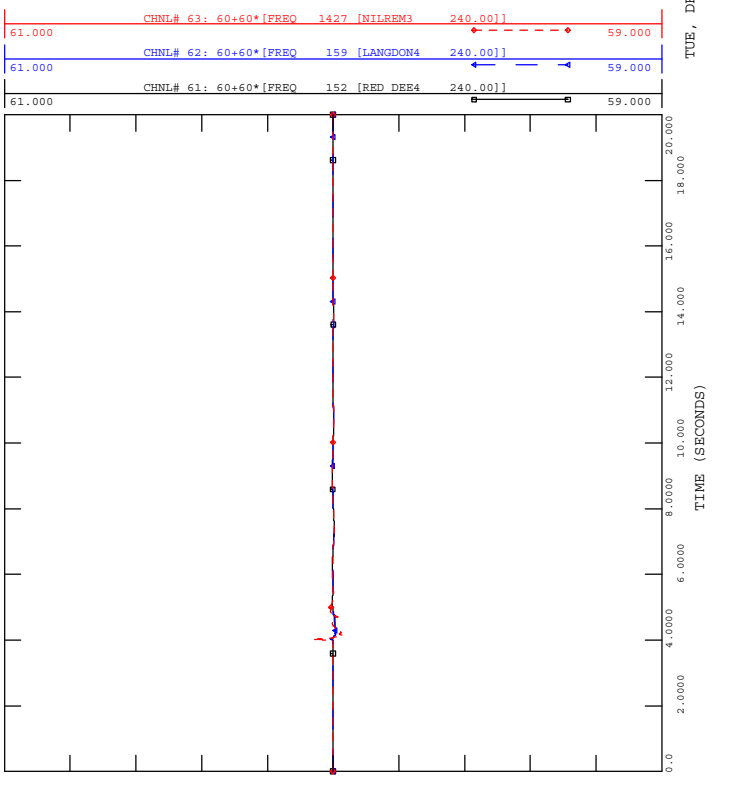


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

FREQUENCY

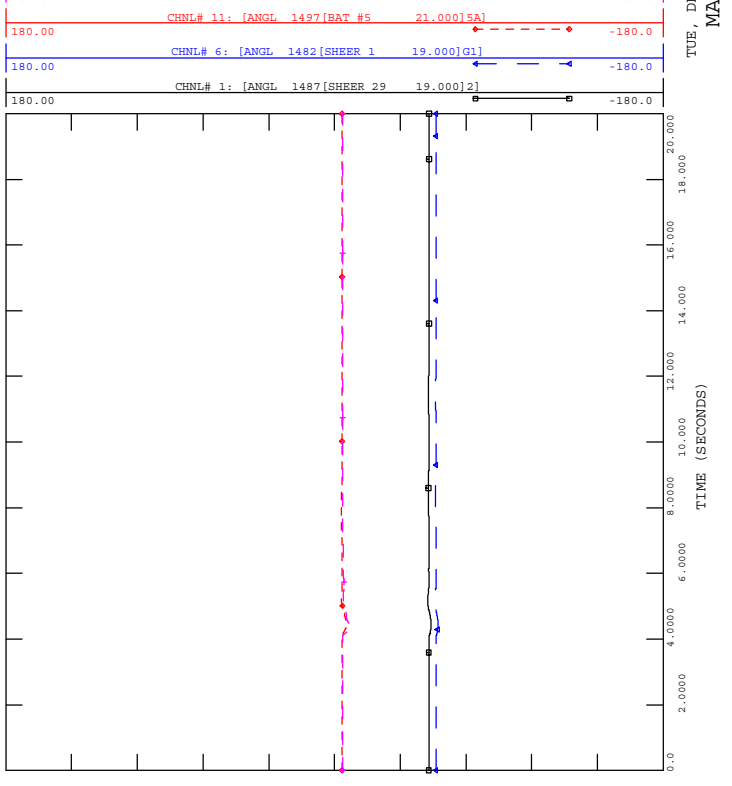


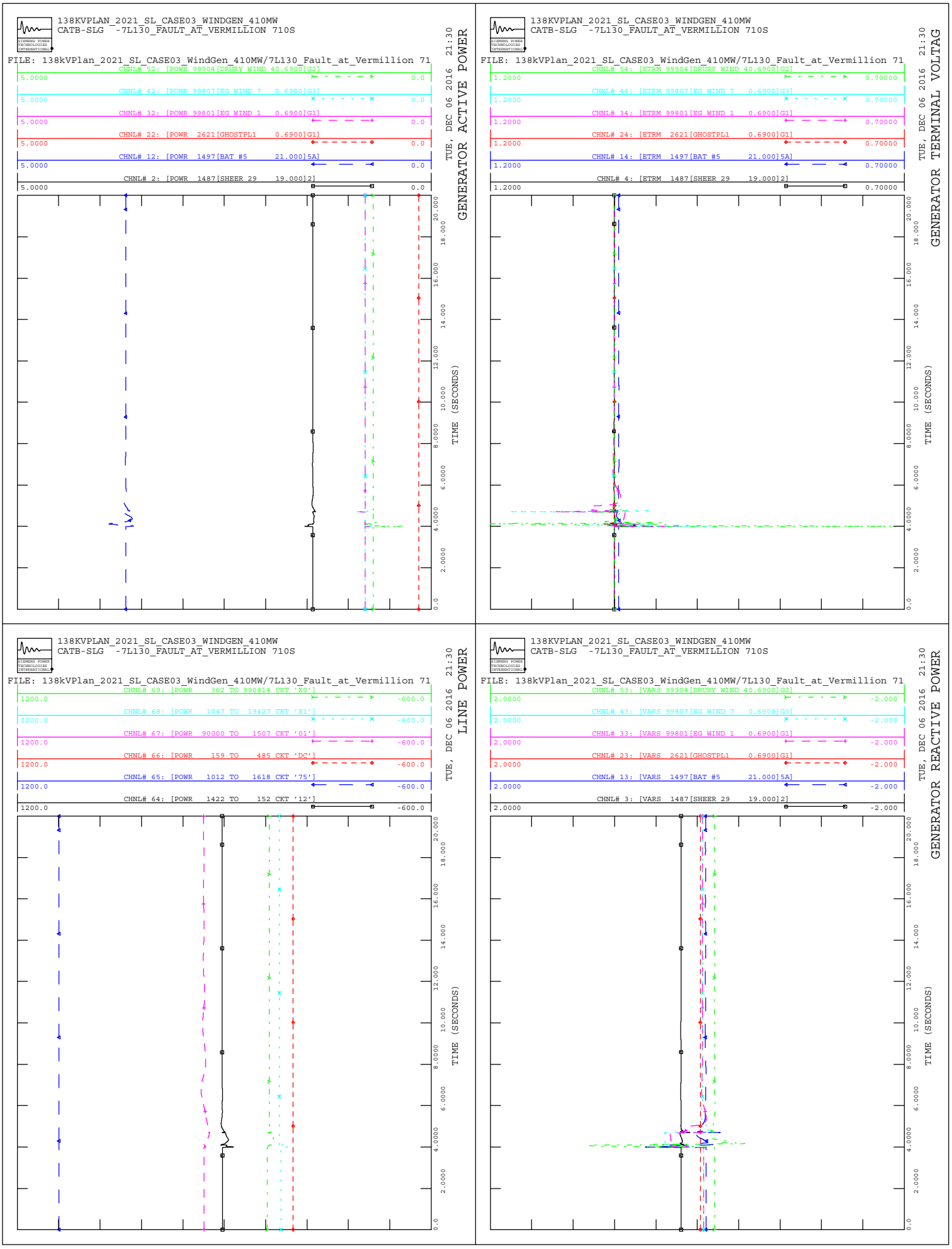
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

MACHINE ANGLE



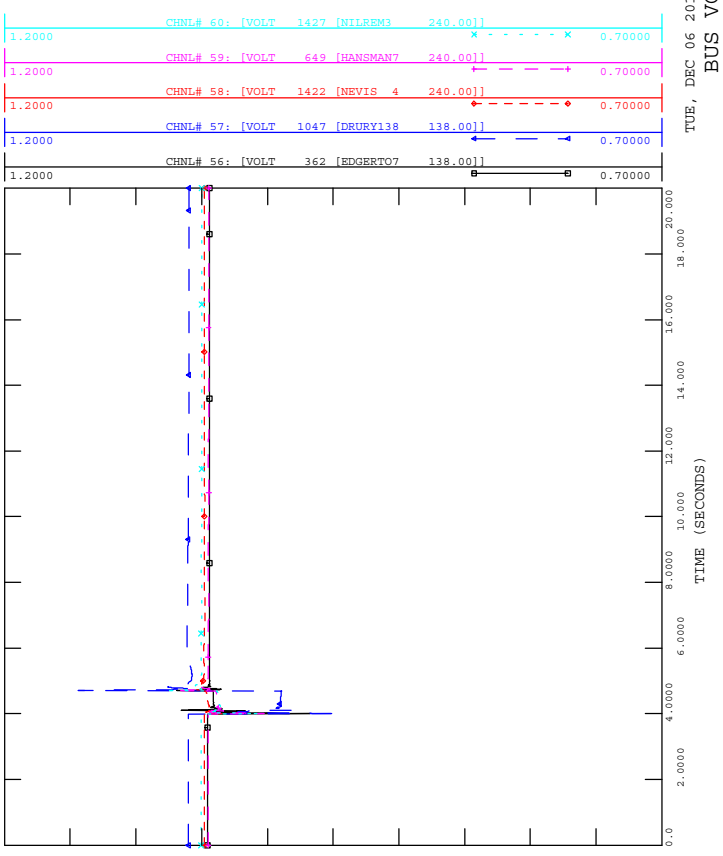

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:30

BUS VOLTAGE

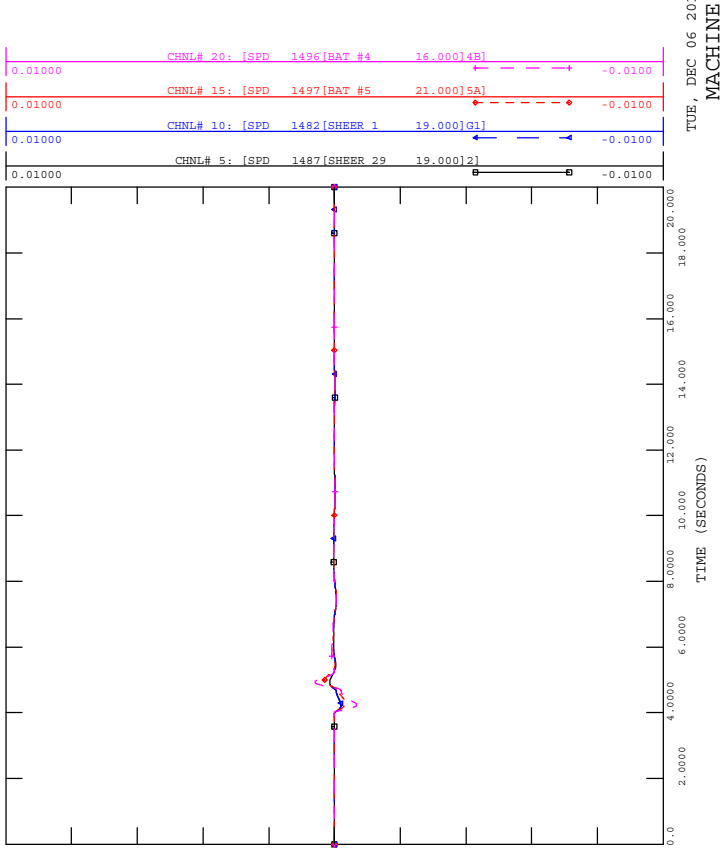


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:30

MACHINE SPEED

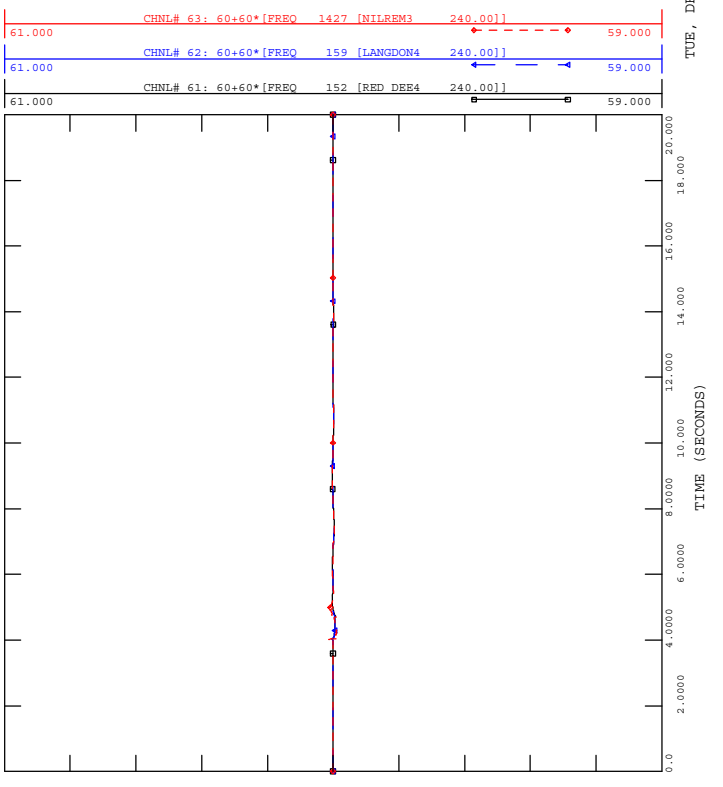


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:30

FREQUENCY

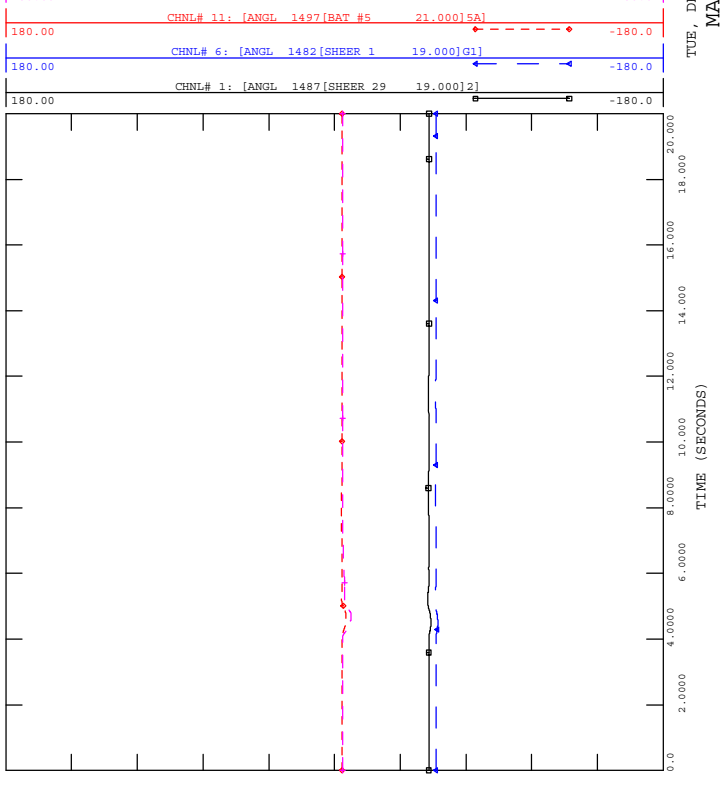


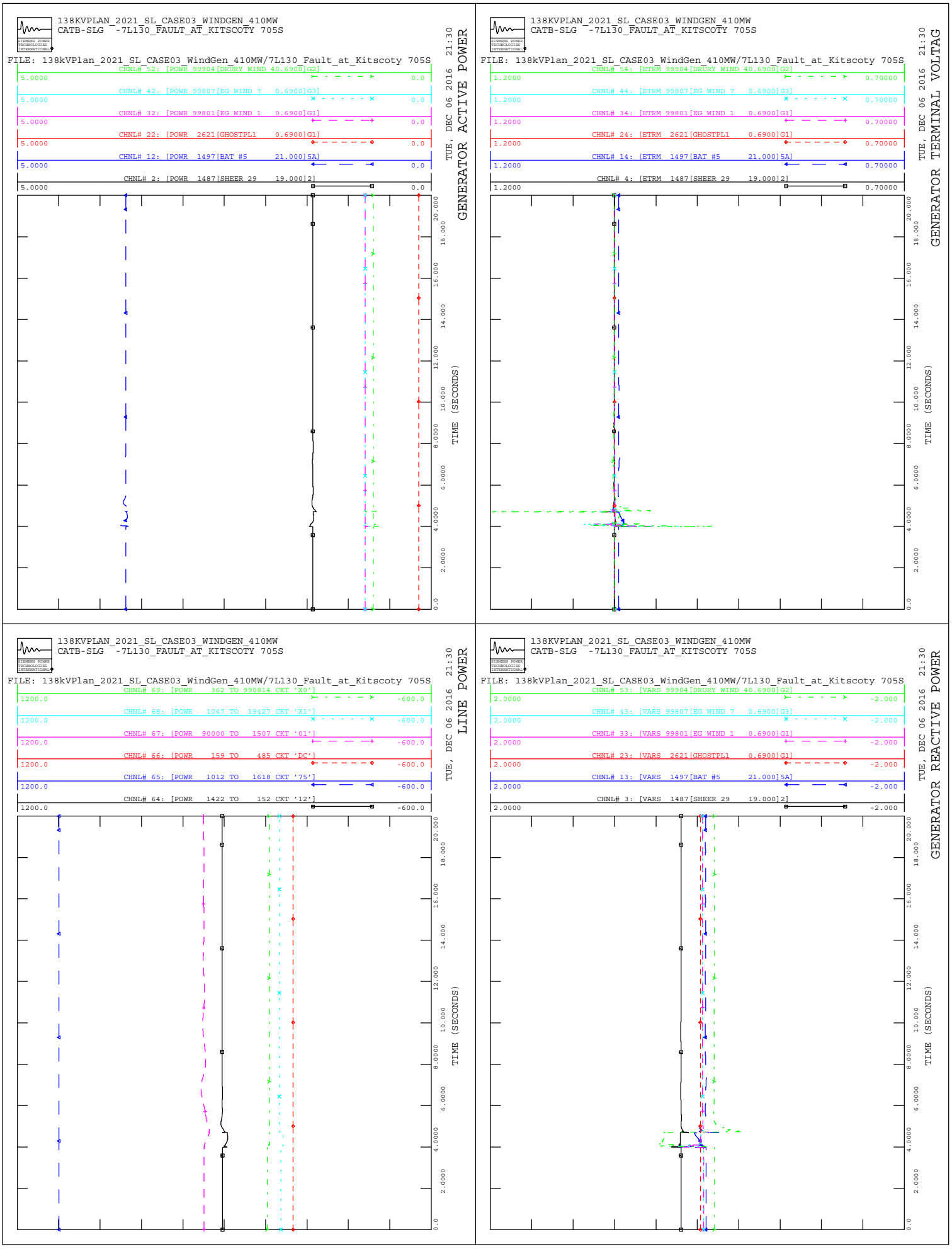
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:30

MACHINE ANGLE



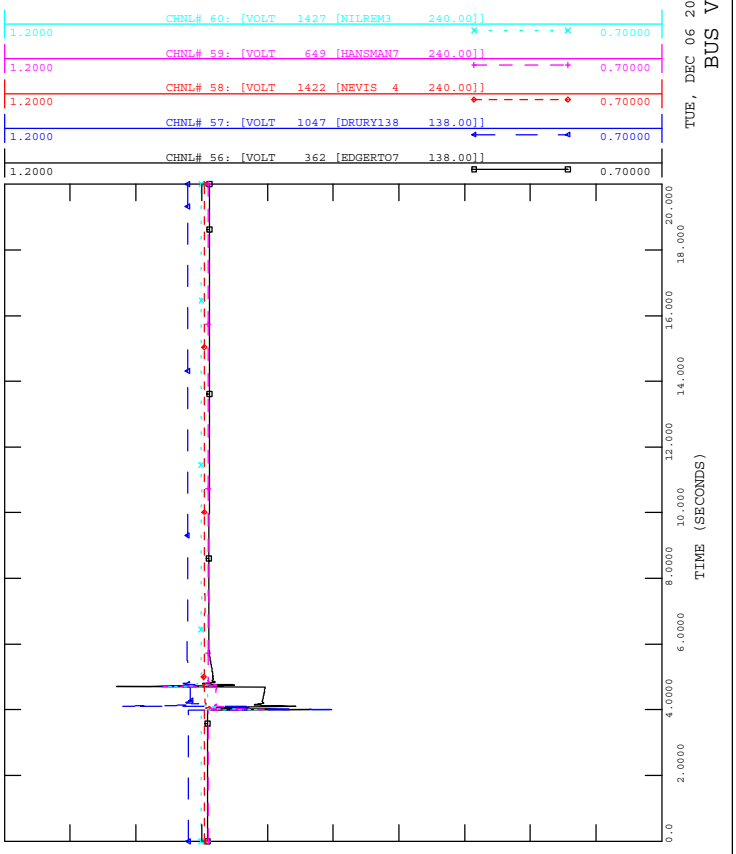

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:30

BUS VOLTAGE

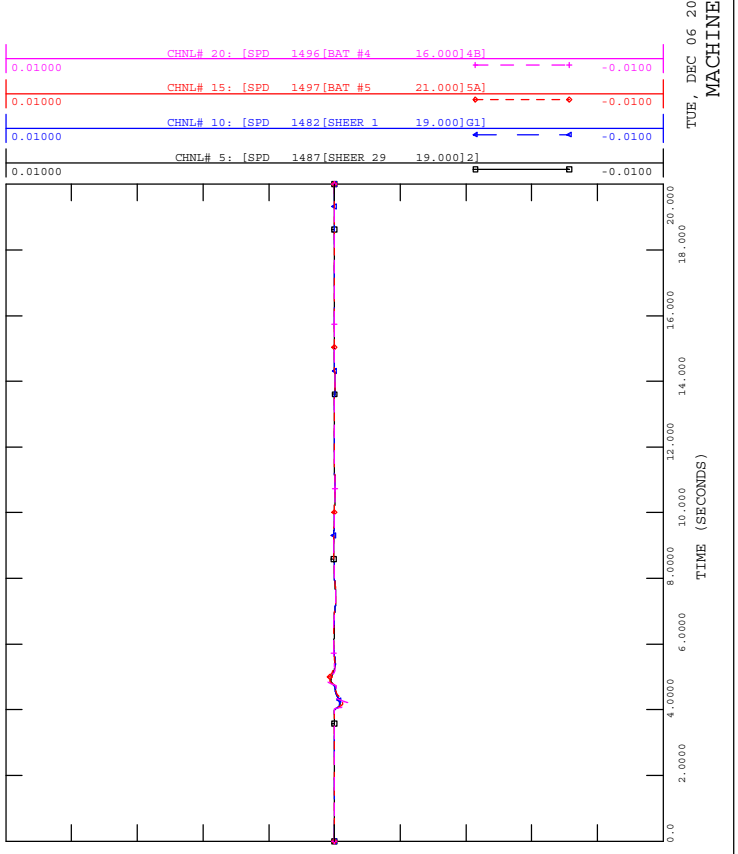


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:30

MACHINE SPEED

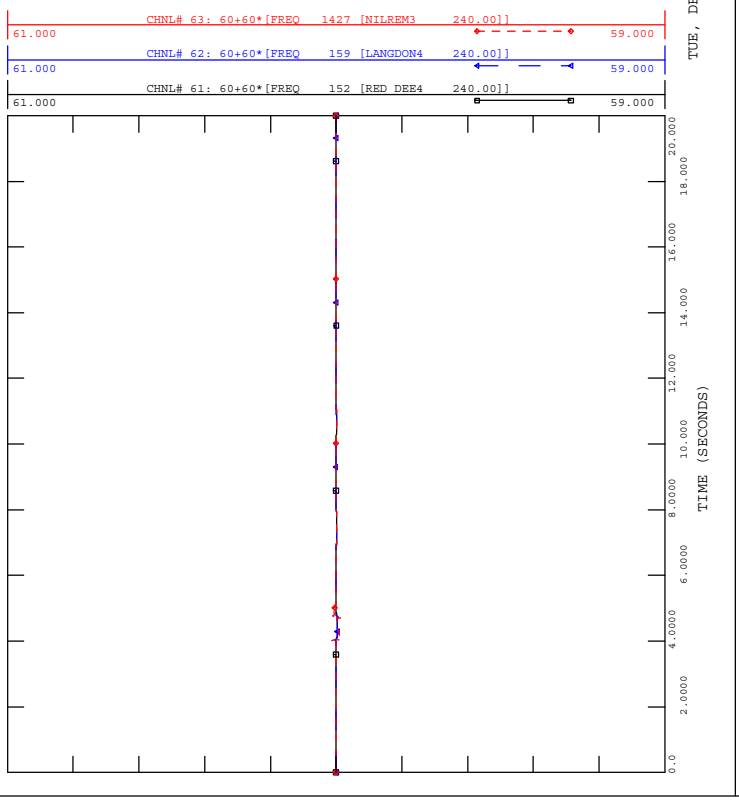


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:30

FREQUENCY

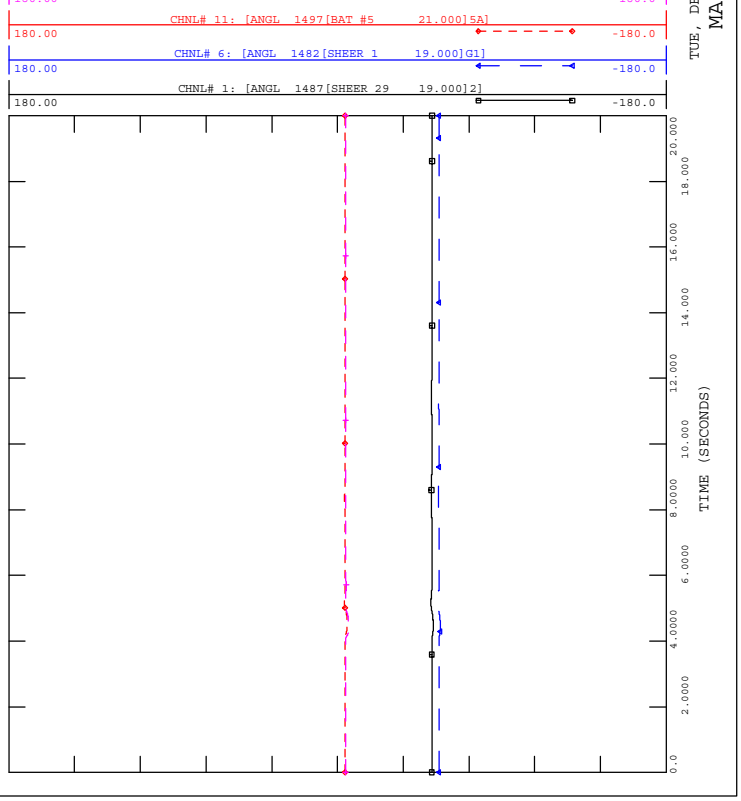


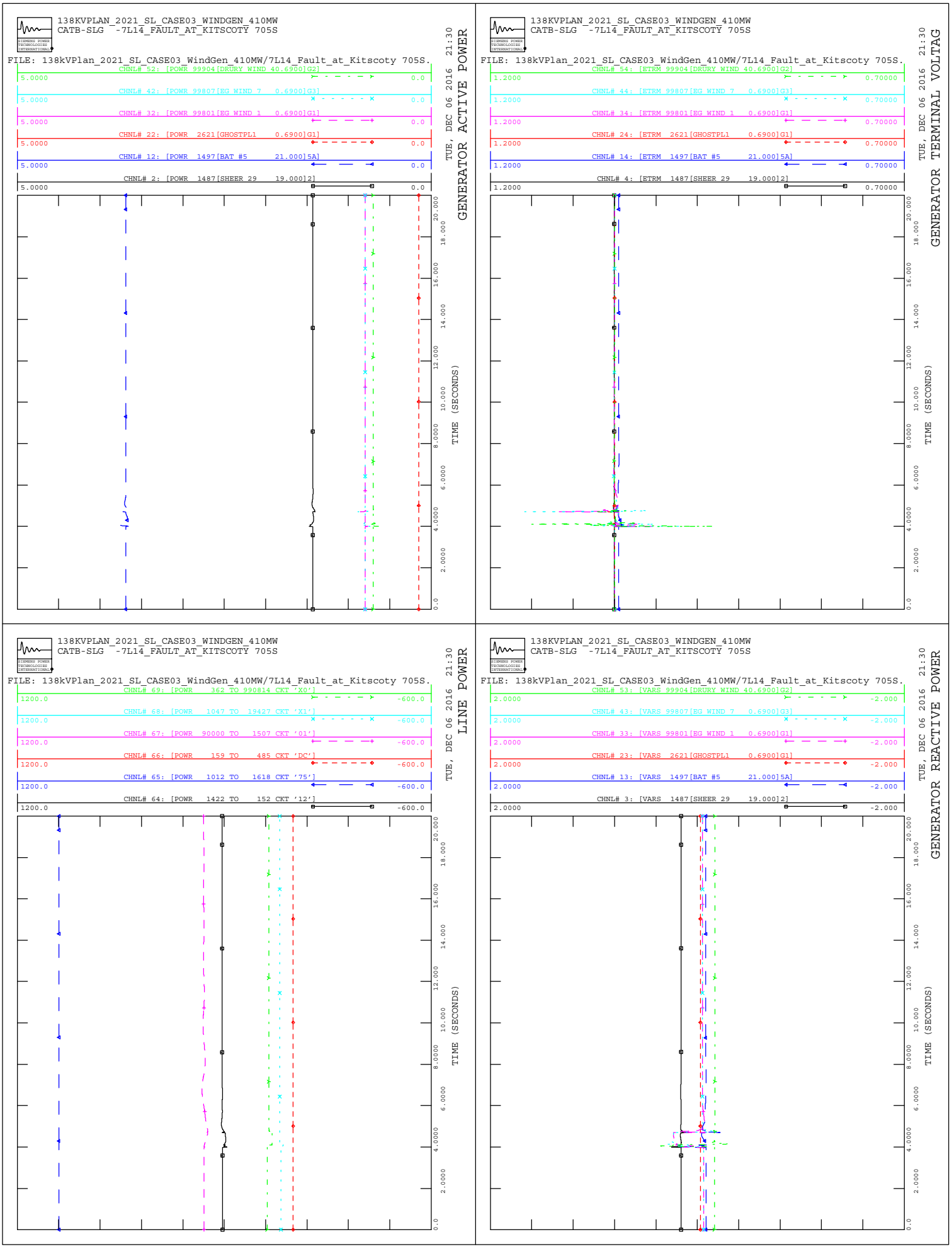
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:30

MACHINE ANGLE



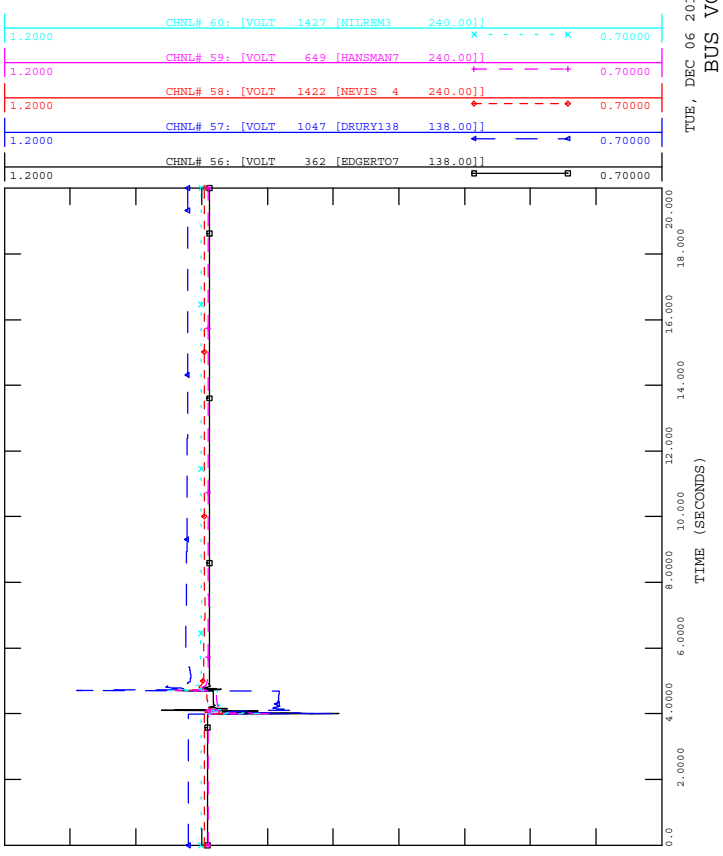

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:30

BUS VOLTAGE

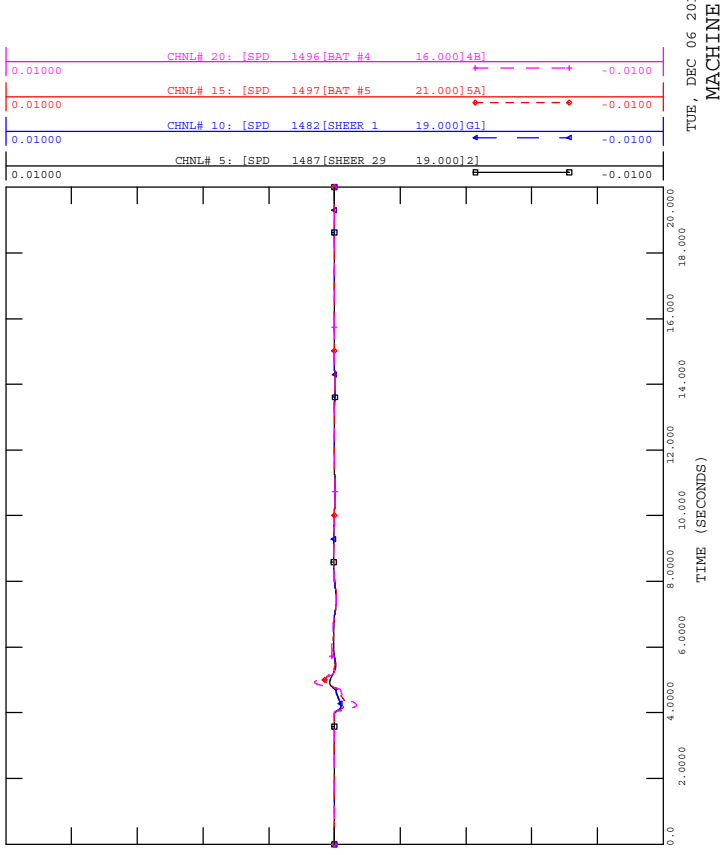


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:30

MACHINE SPEED

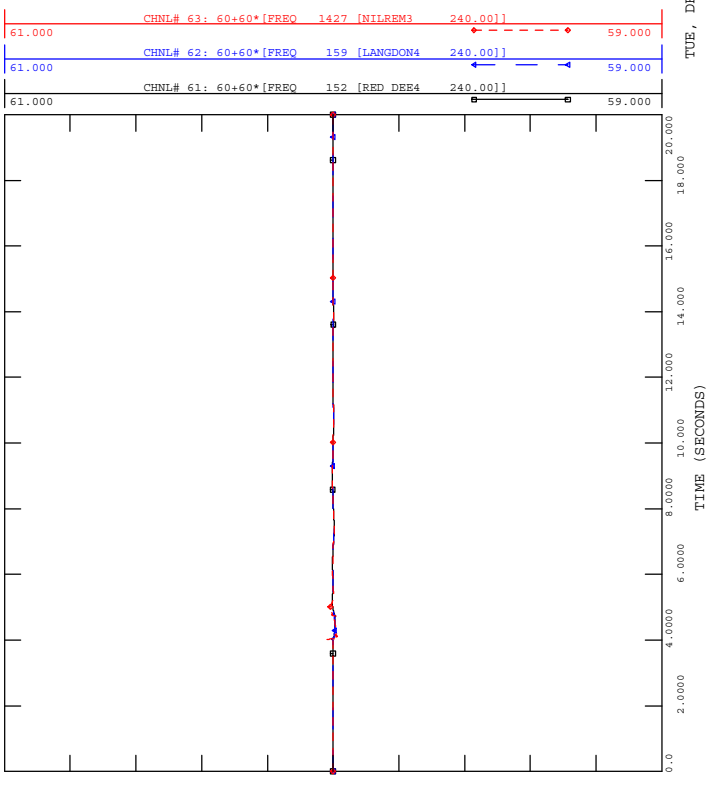


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:30

FREQUENCY

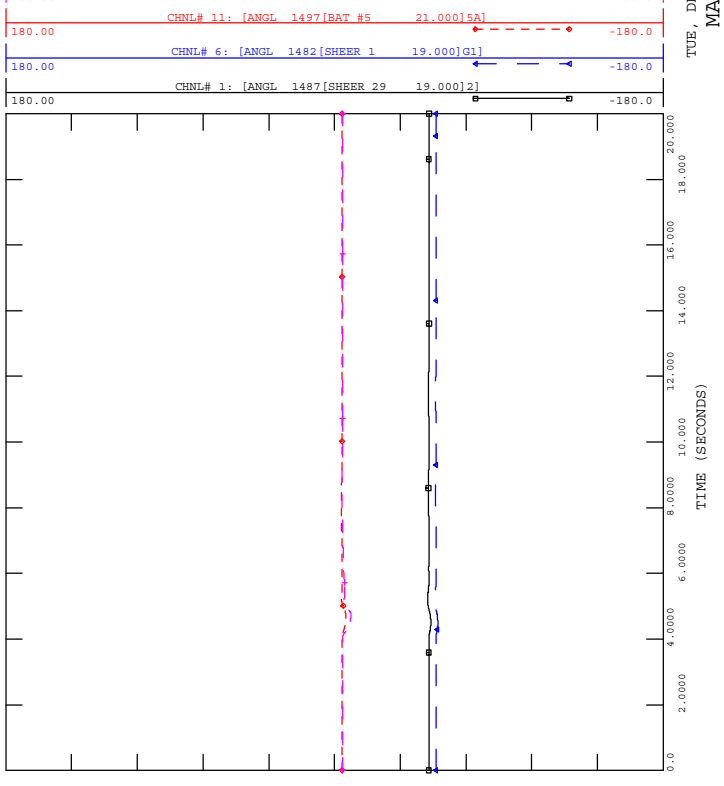


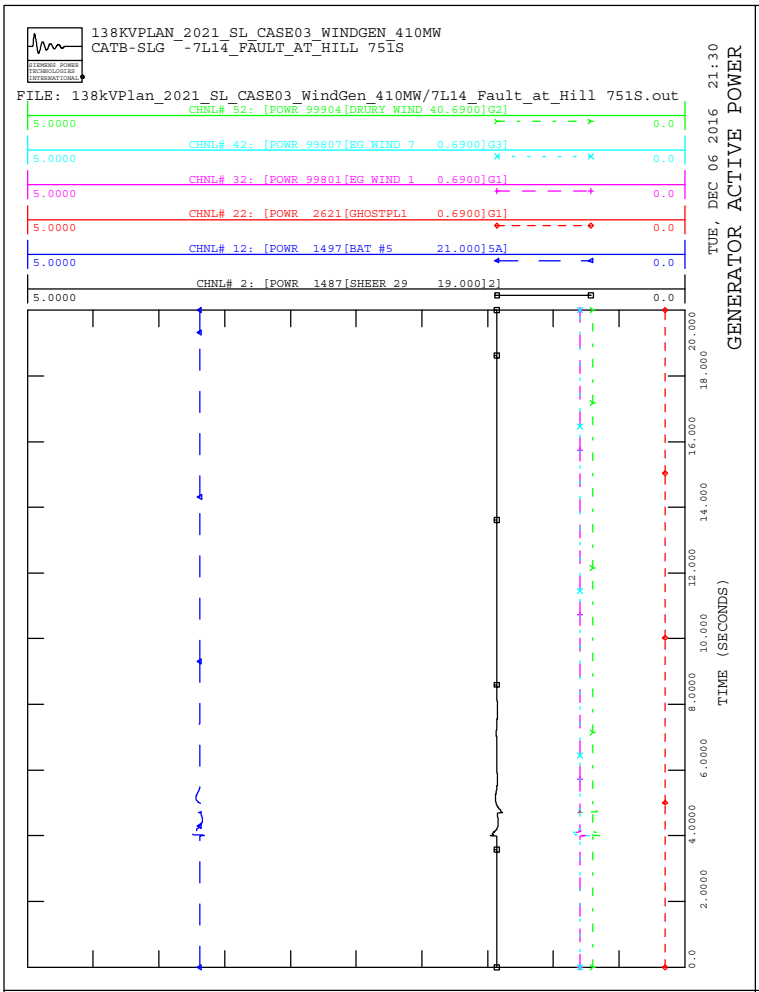
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

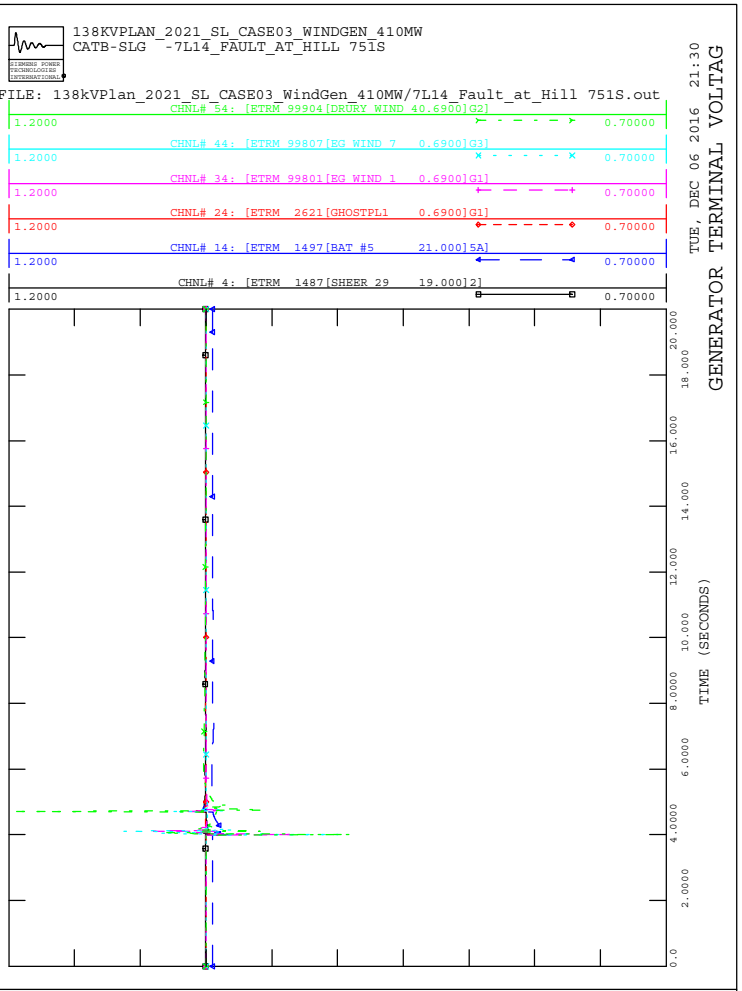
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out

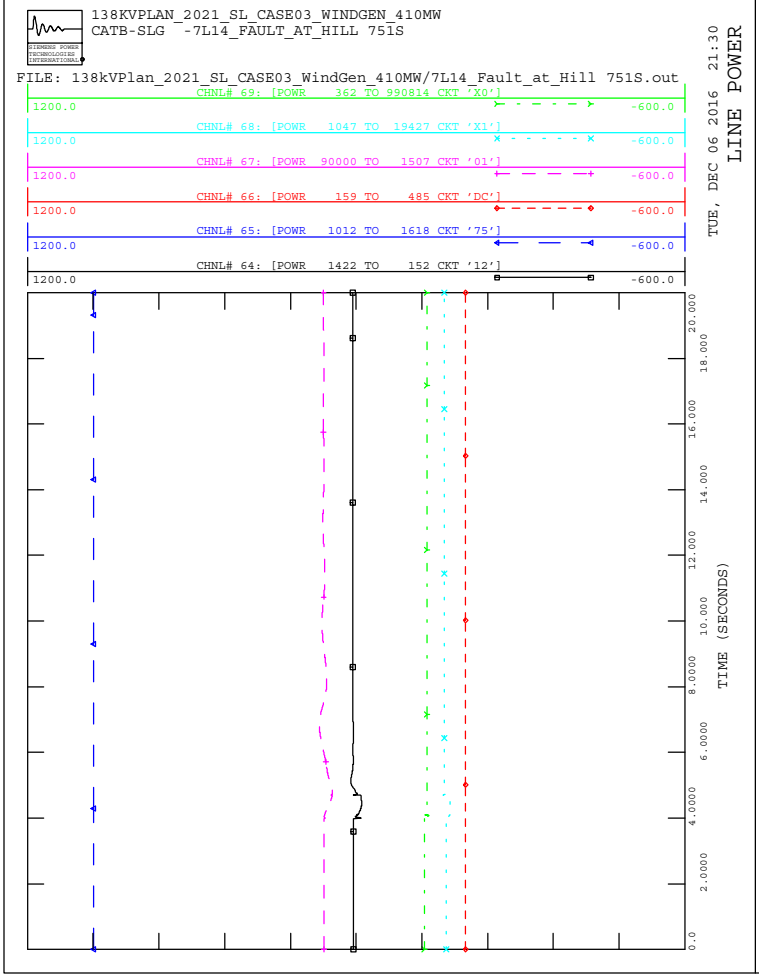
TUE, DEC 06 2016 21:30

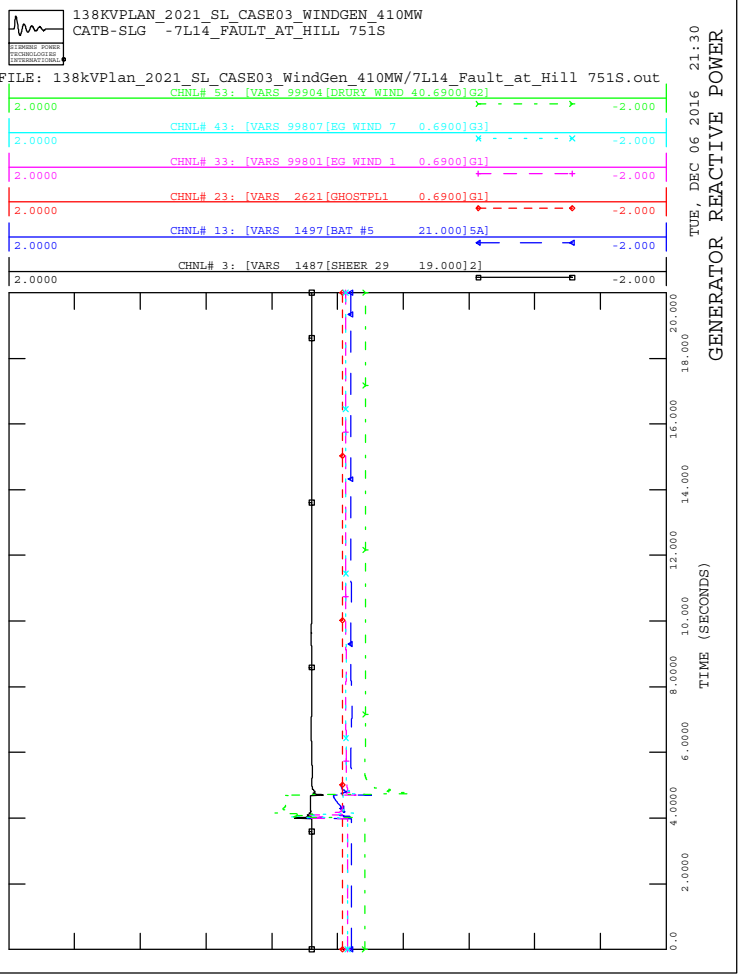
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

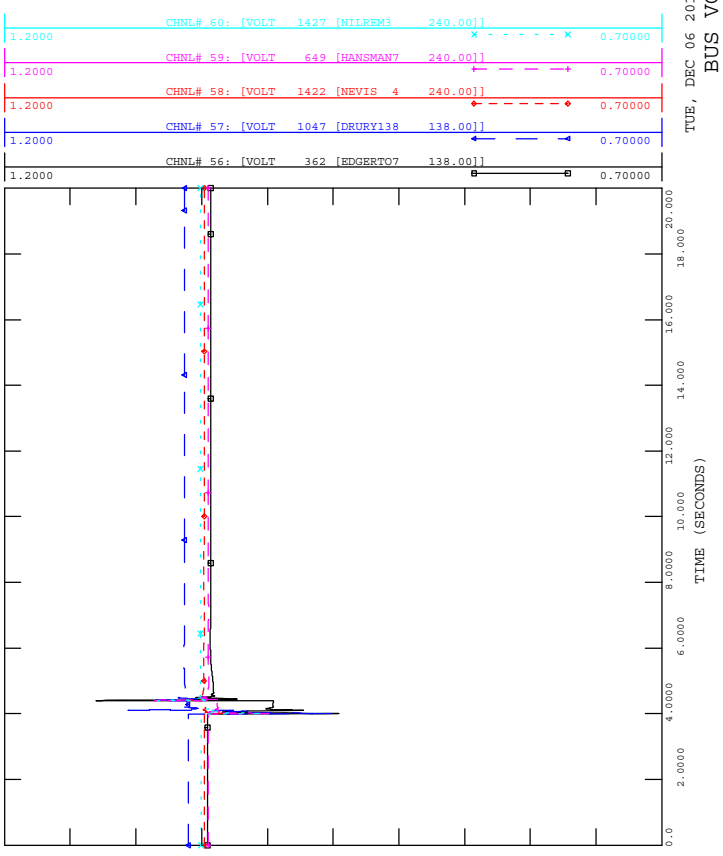

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:30

BUS VOLTAGE

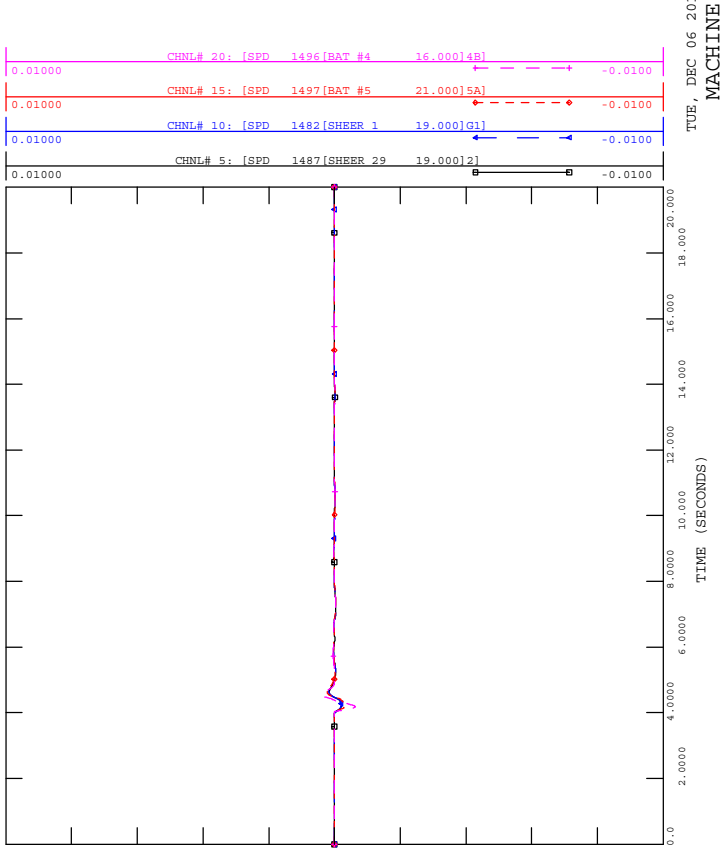


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:30

MACHINE SPEED

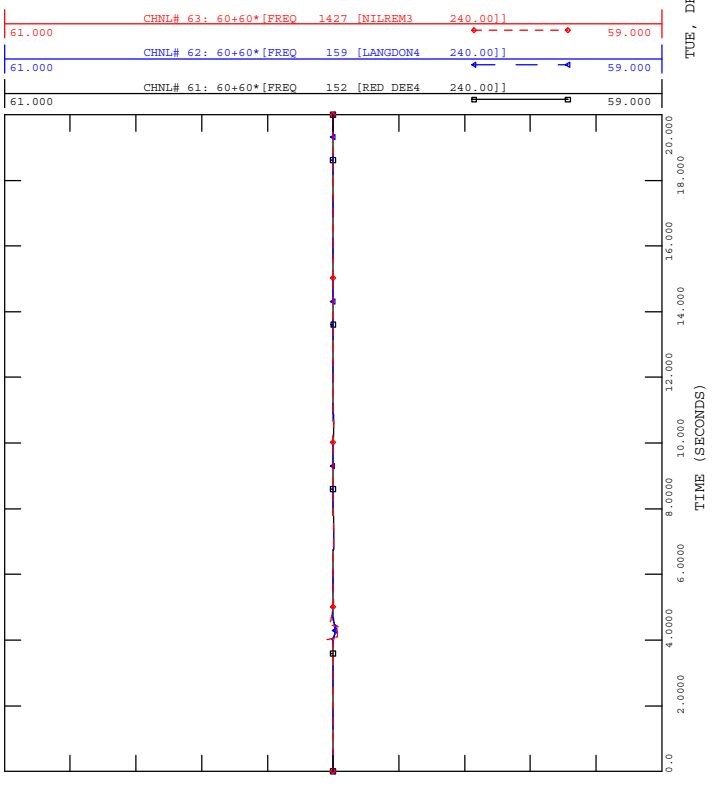


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:30

FREQUENCY

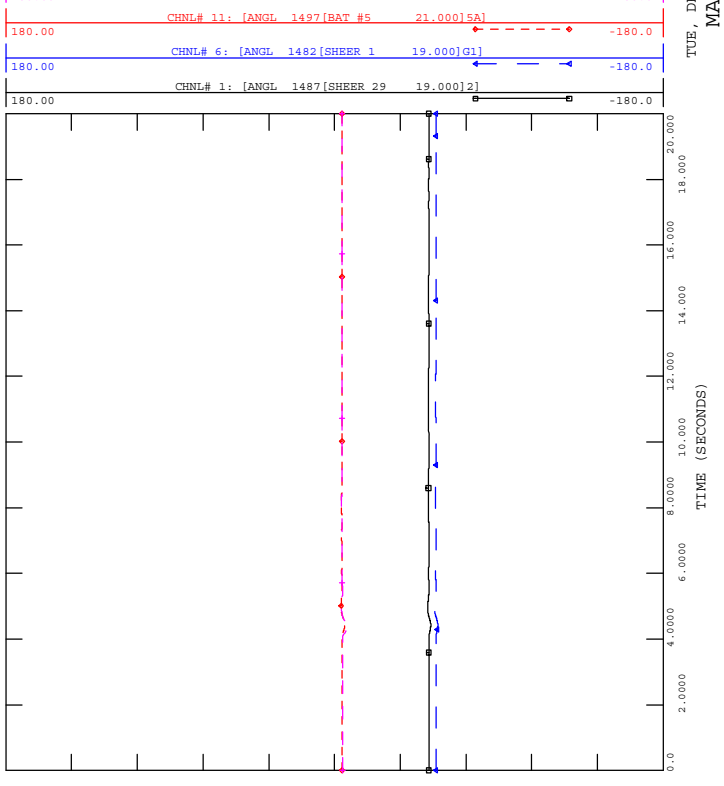


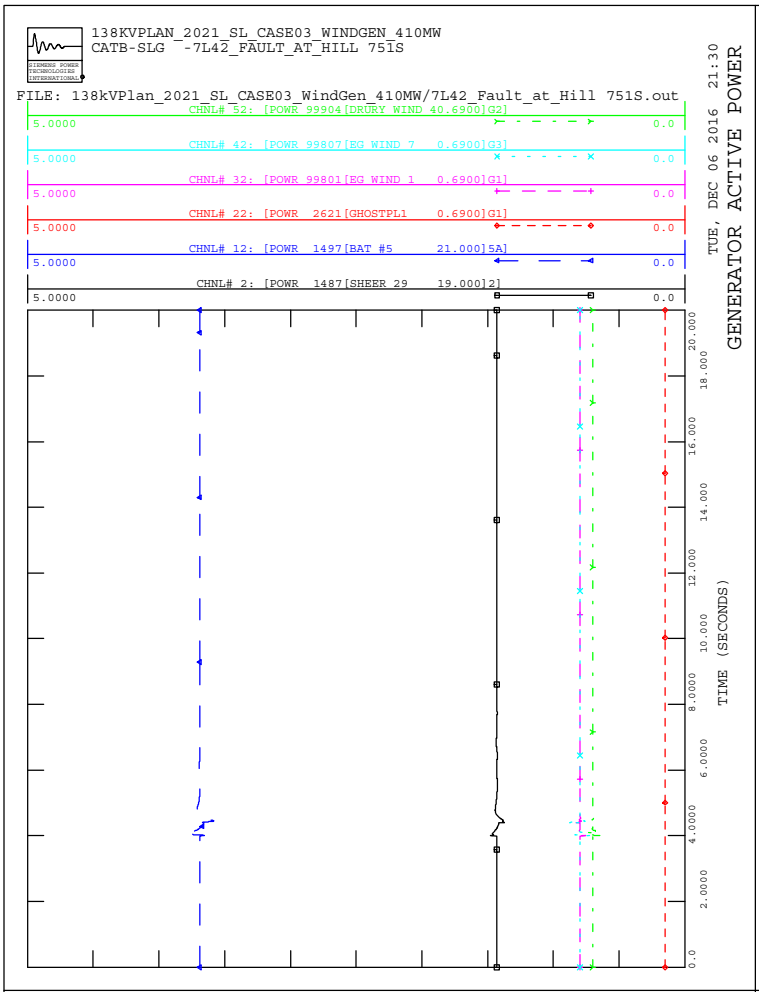
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

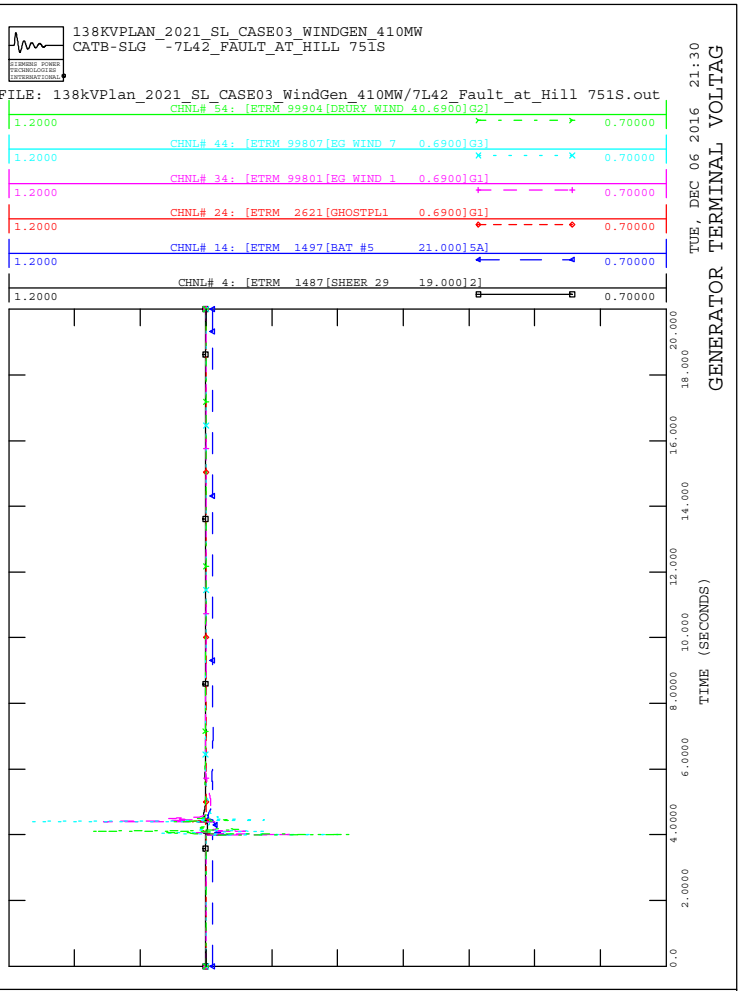
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out

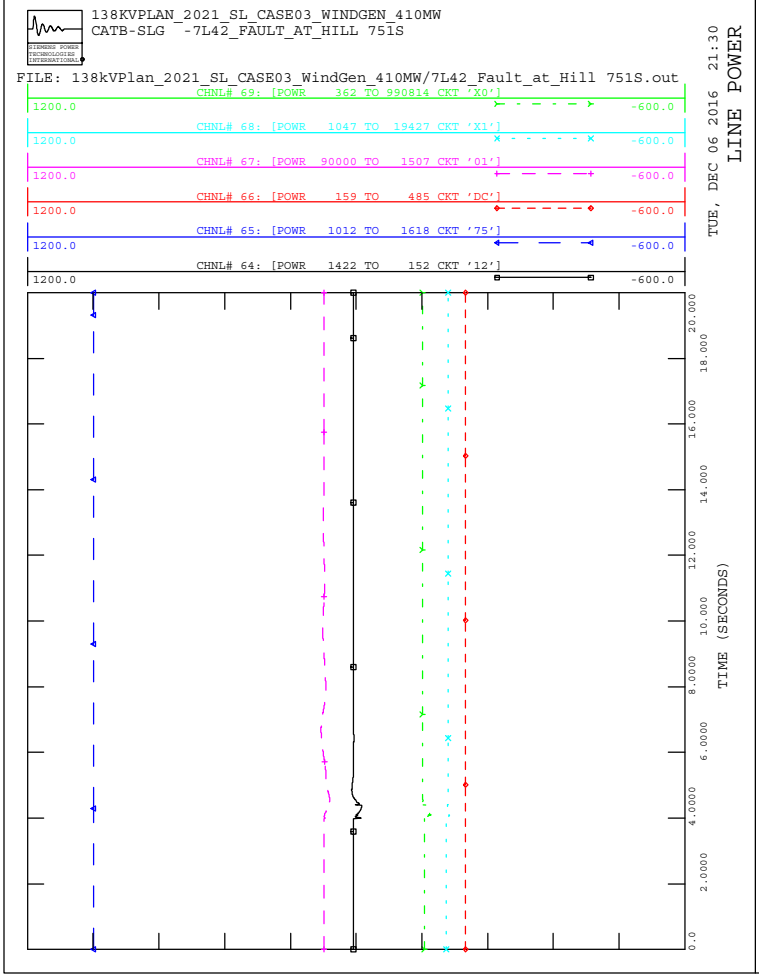
TUE, DEC 06 2016 21:30

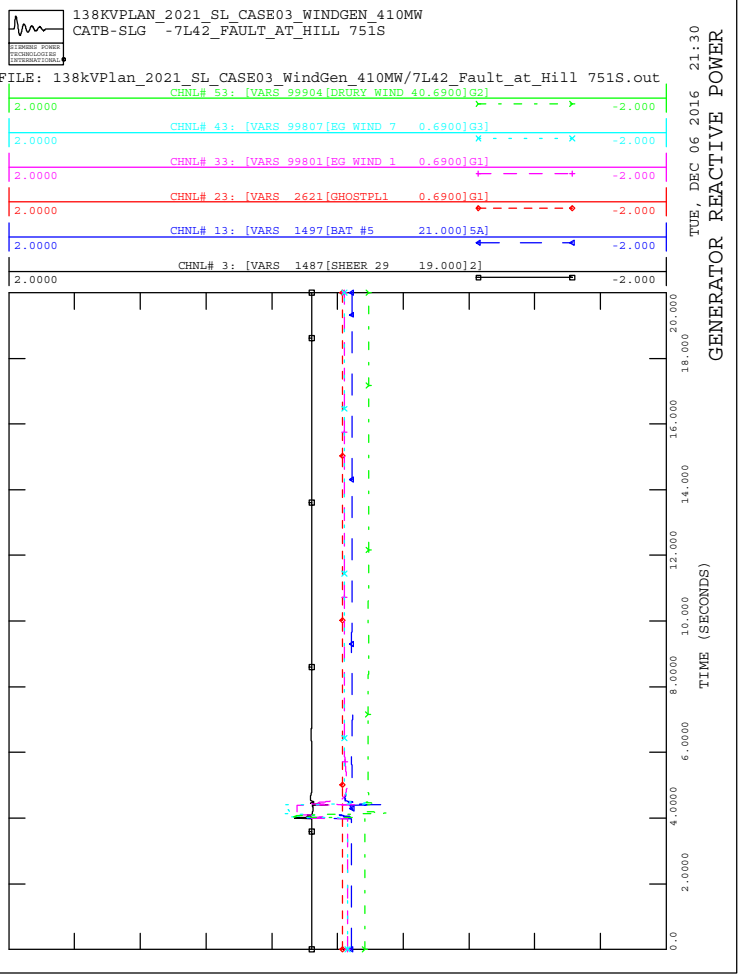
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out
TUE, DEC 06 2016 21:30
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

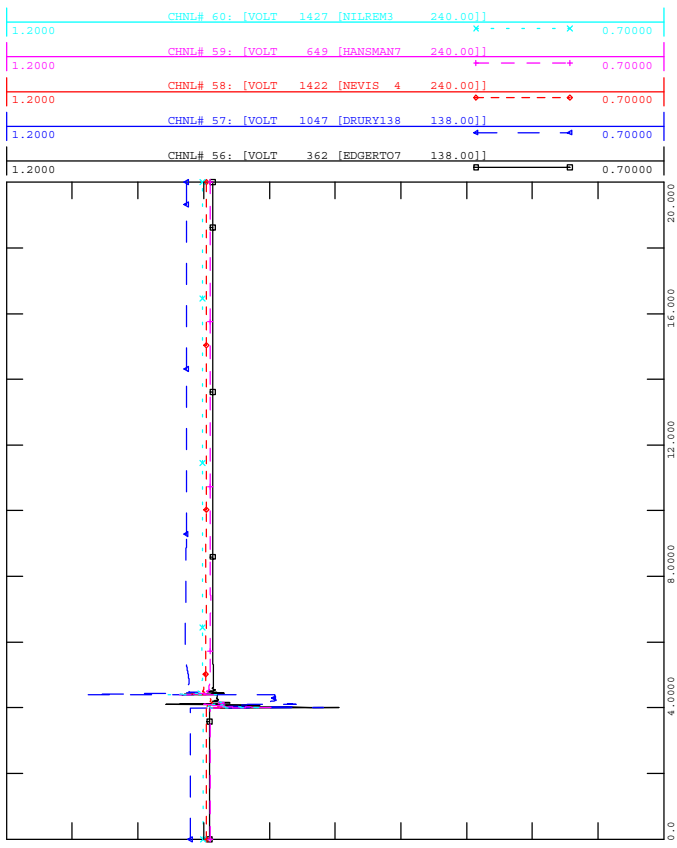

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Hill 751S.out
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7

TUE, DEC 06 2016 21:30

BUS VOLTAGE

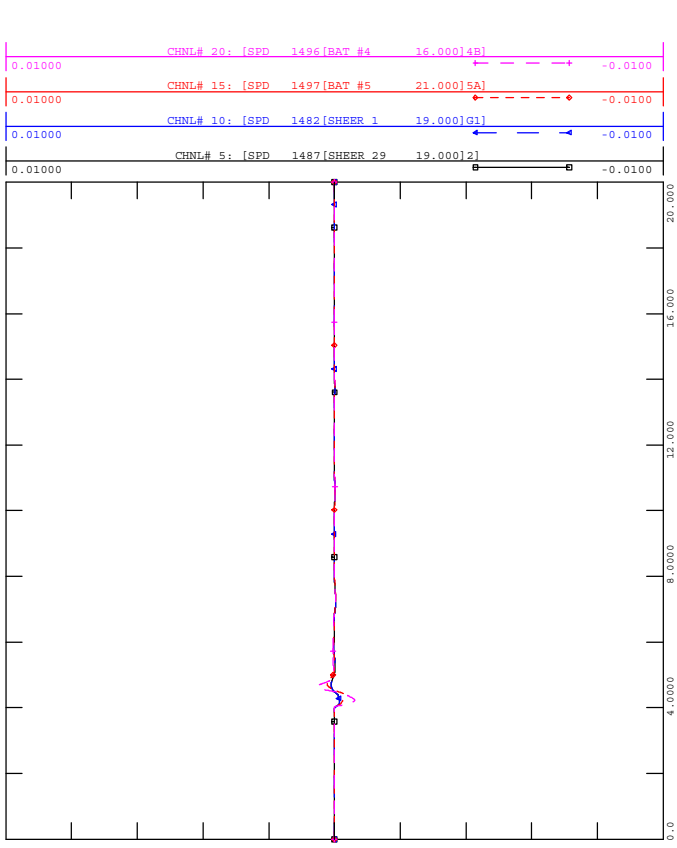


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7

TUE, DEC 06 2016 21:30

MACHINE SPEED

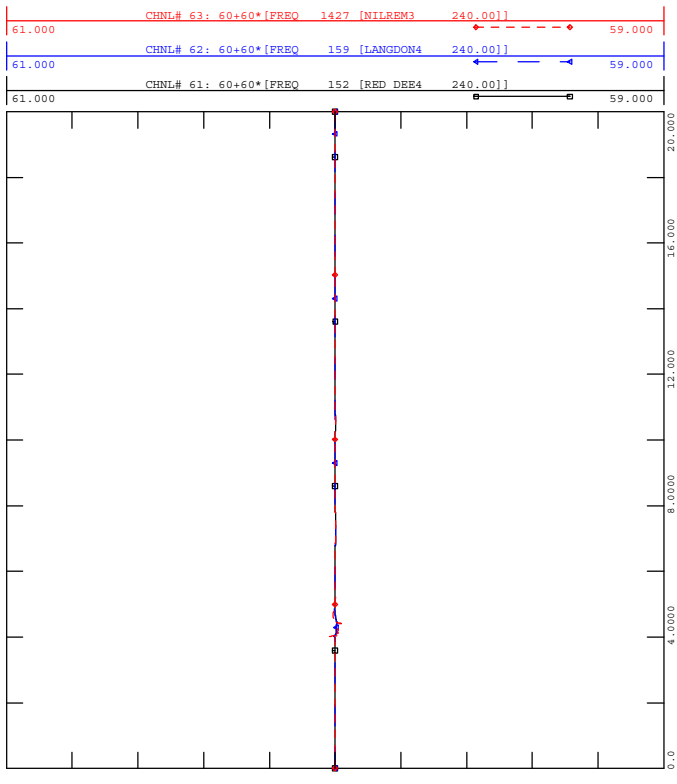


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7

TUE, DEC 06 2016 21:30

FREQUENCY

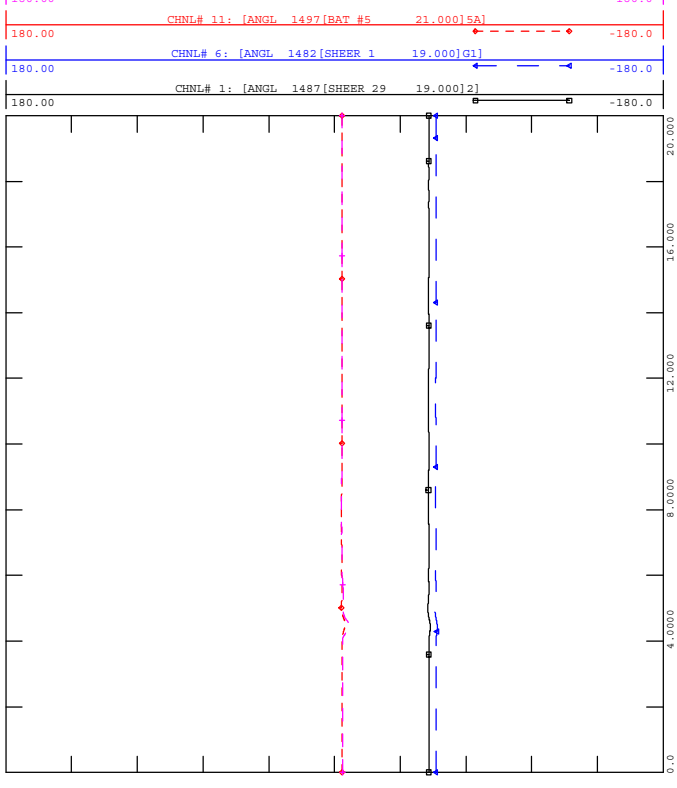


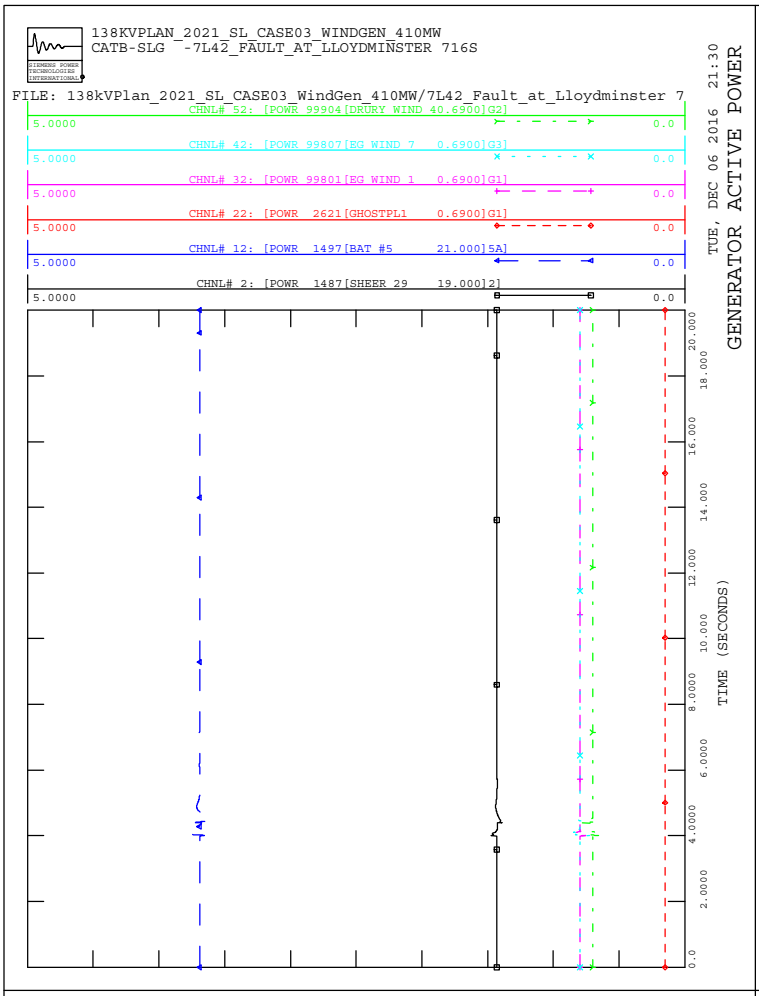
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

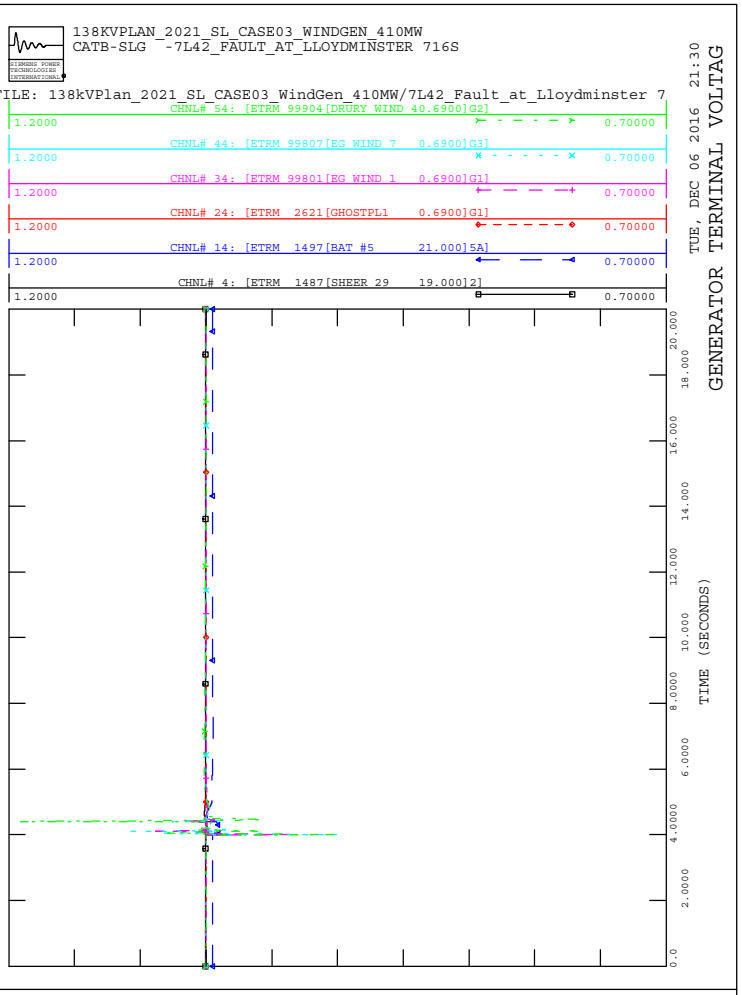
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7

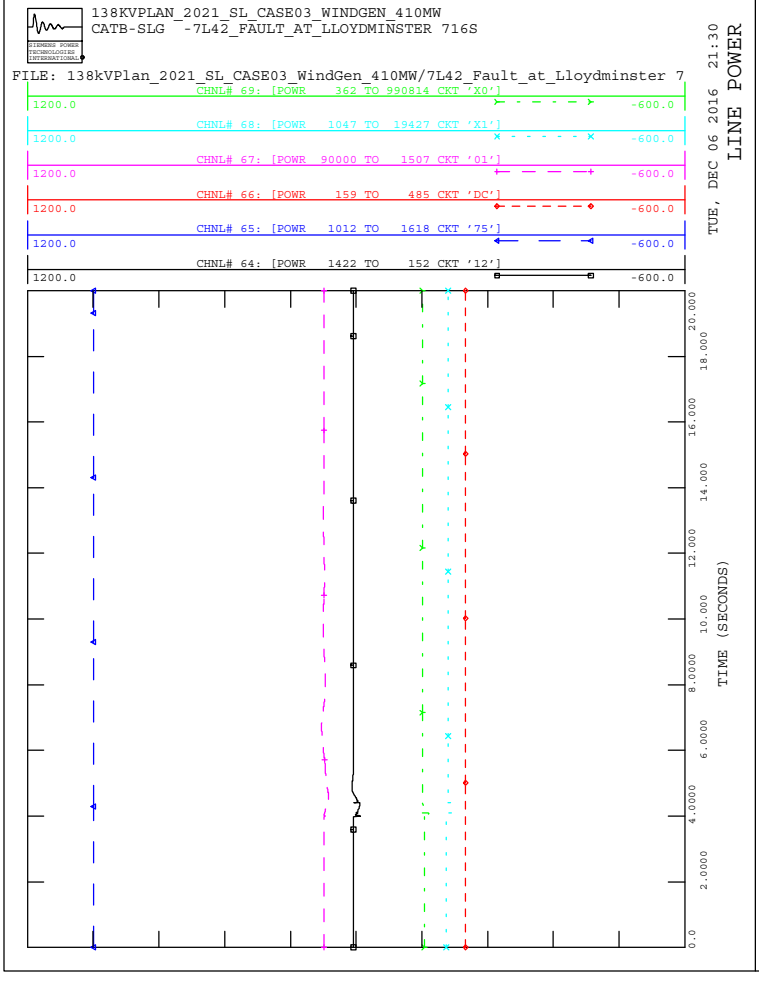
TUE, DEC 06 2016 21:30

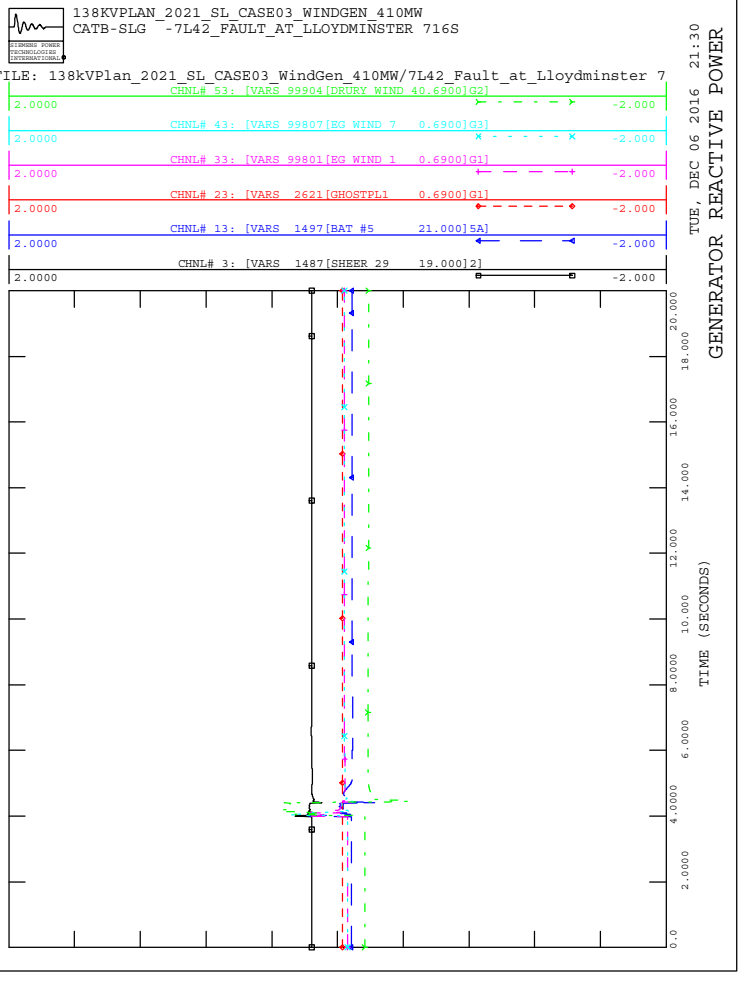
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

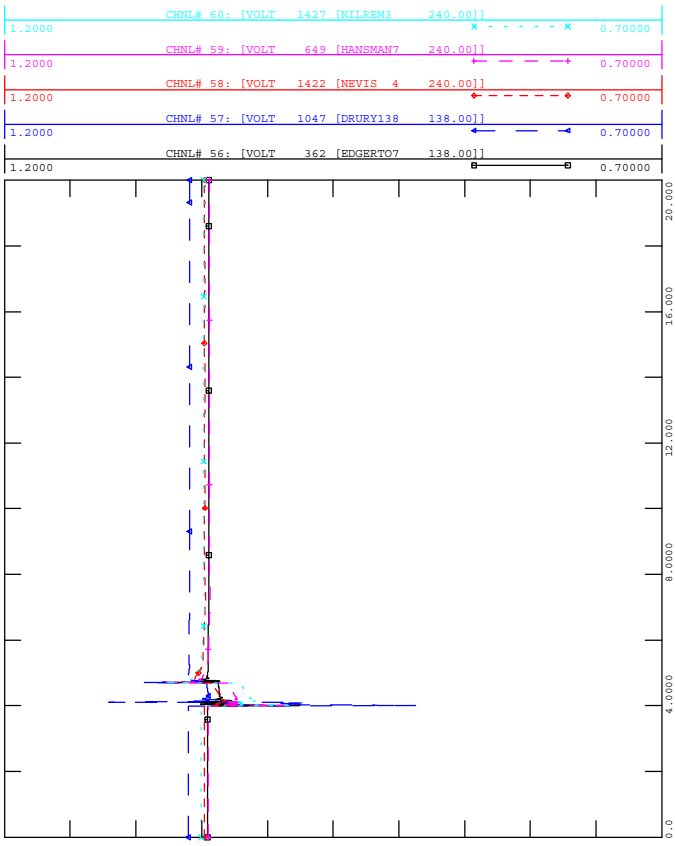

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek

TUE, DEC 06 2016 21:30

BUS VOLTAGE

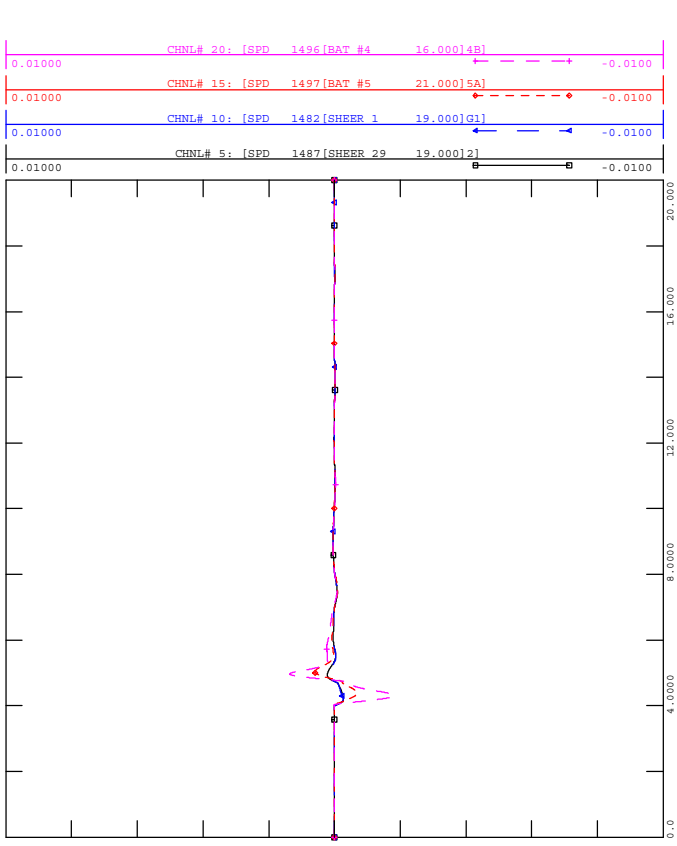


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek

TUE, DEC 06 2016 21:30

MACHINE SPEED

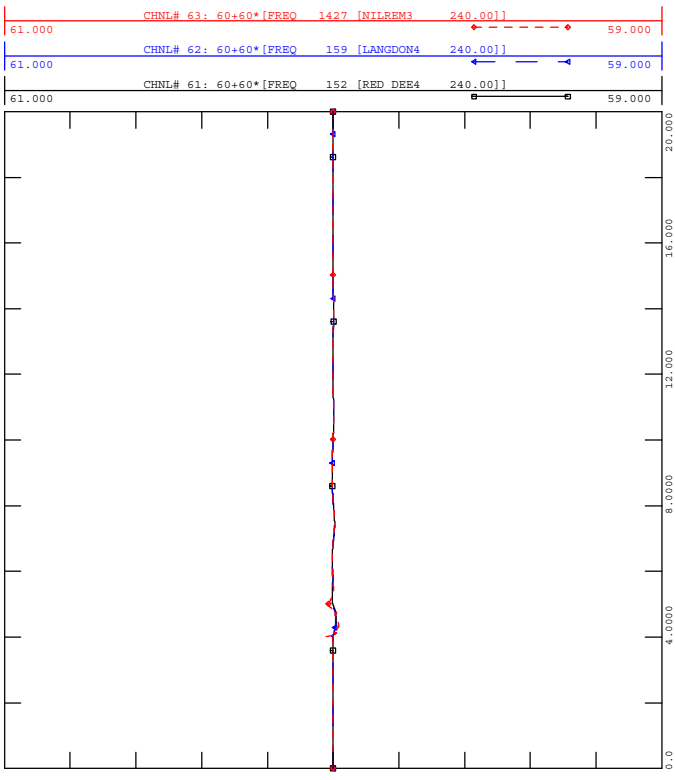


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek

TUE, DEC 06 2016 21:30

FREQUENCY

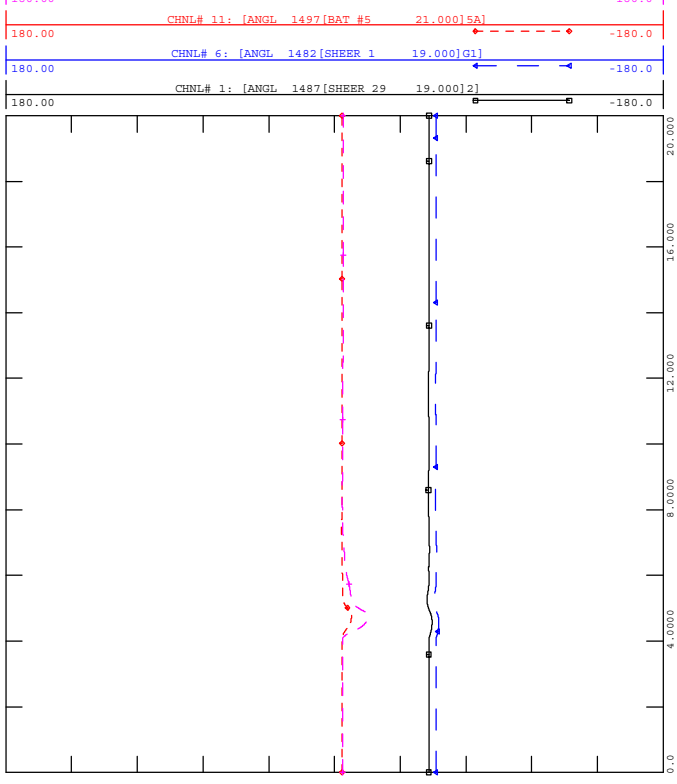


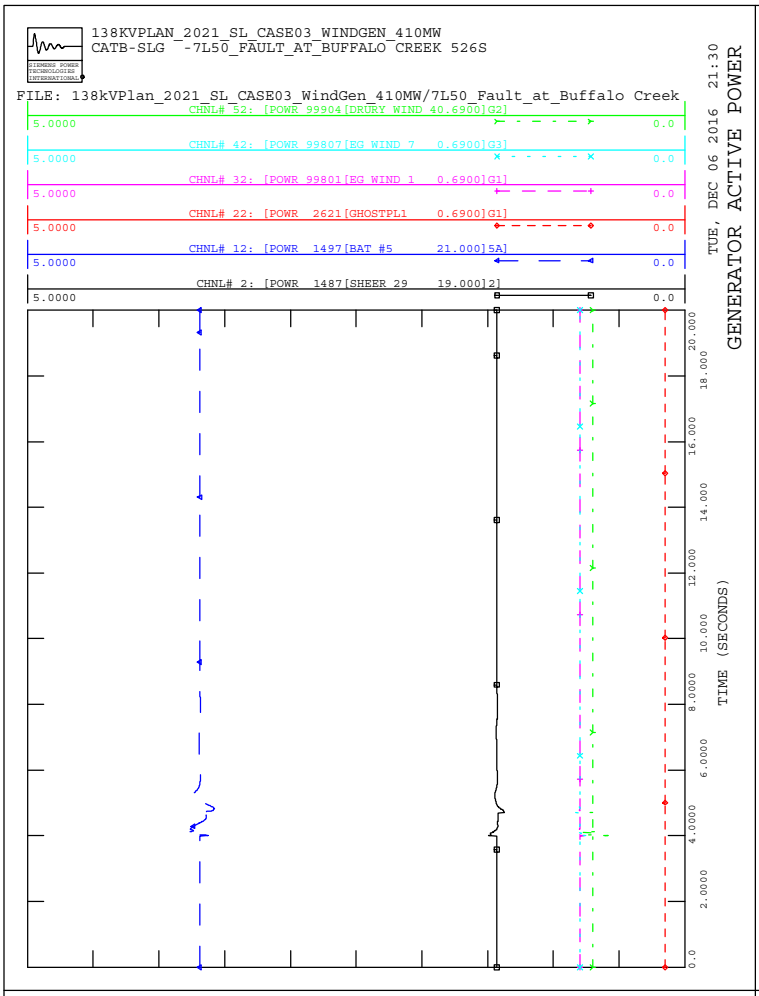
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

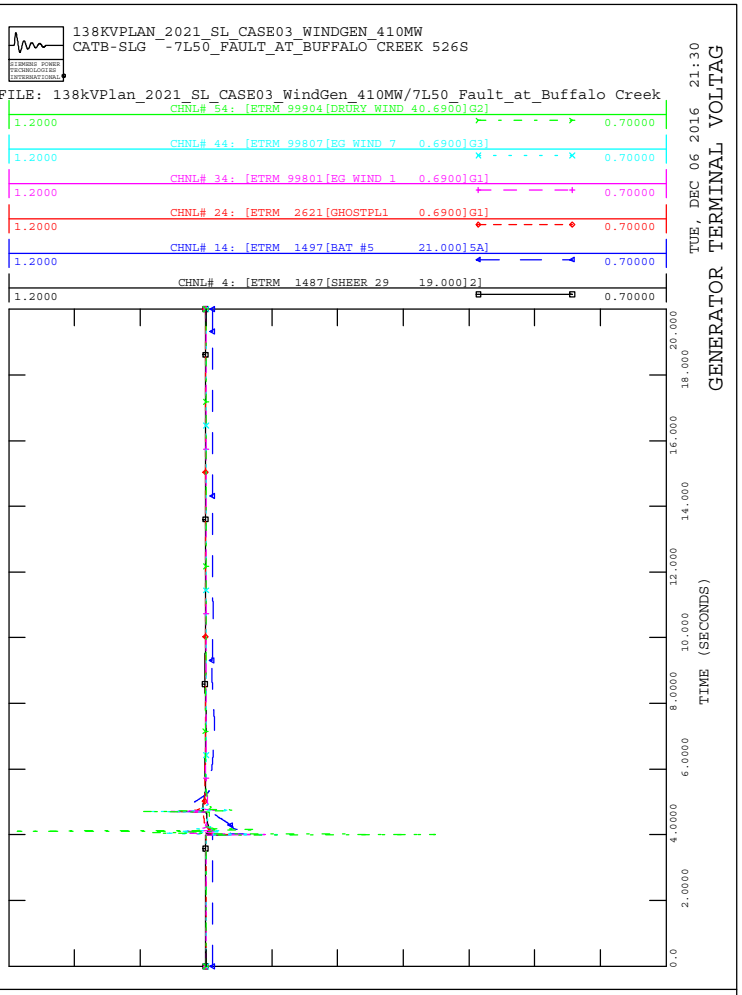
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek

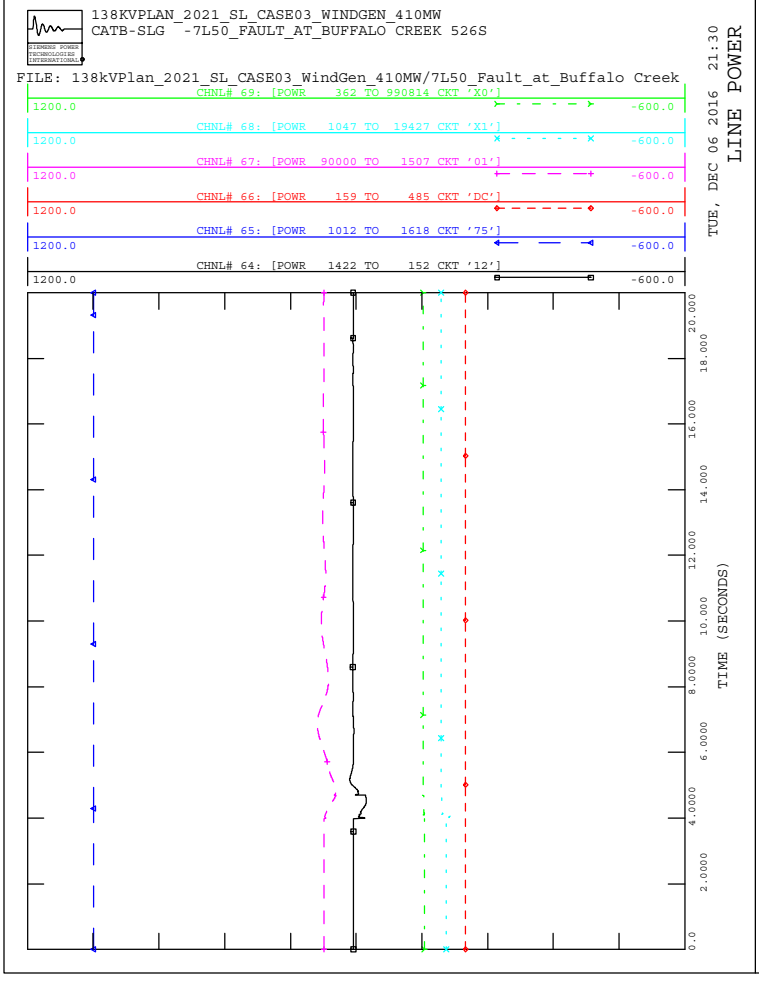
TUE, DEC 06 2016 21:30

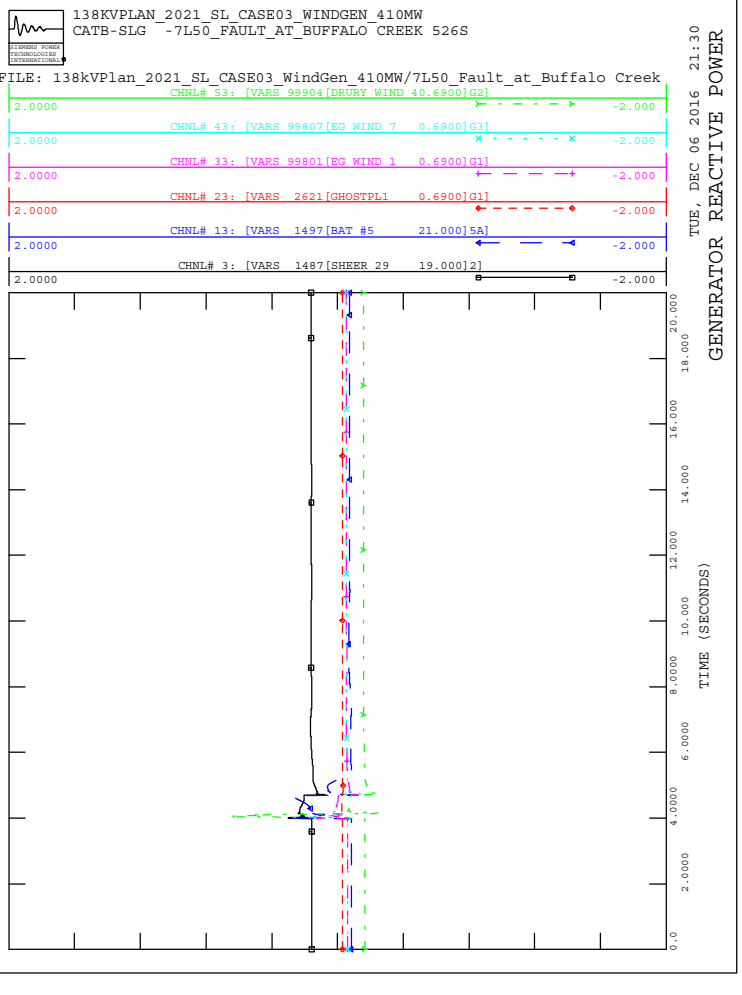
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

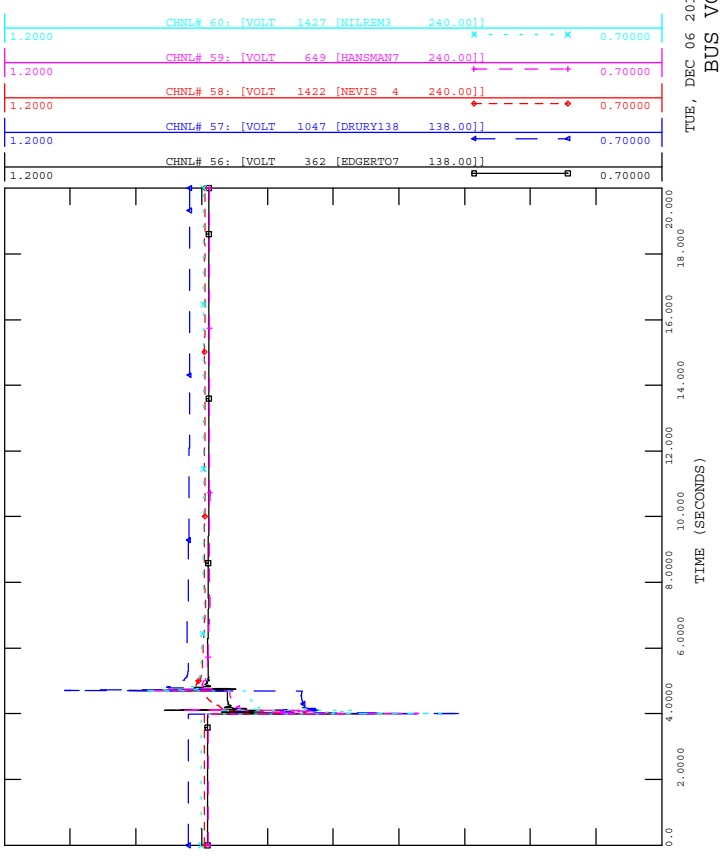

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7

TUE, DEC 06 2016 21:30

BUS VOLTAGE

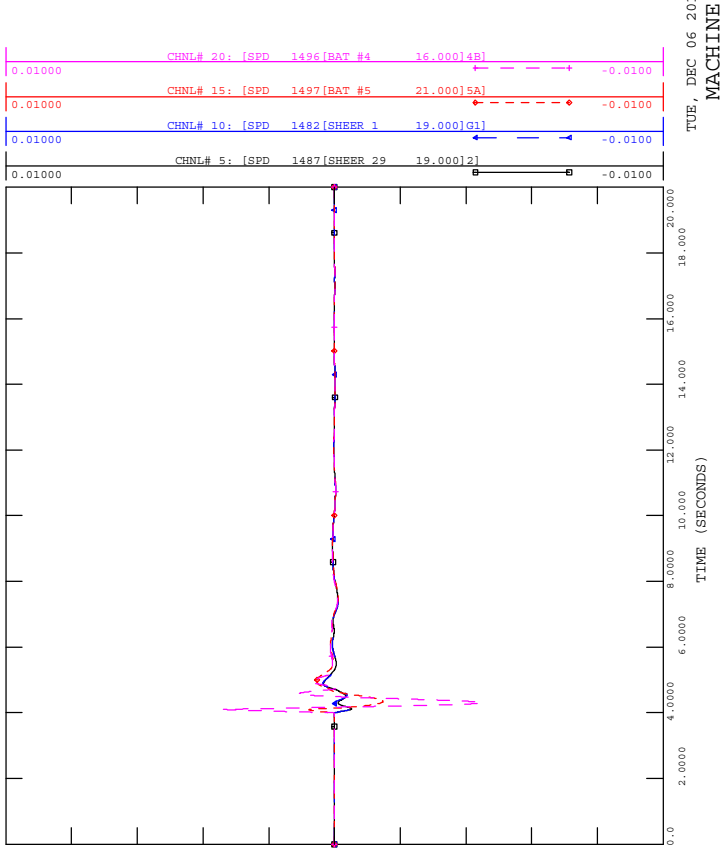


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7

TUE, DEC 06 2016 21:30

MACHINE SPEED

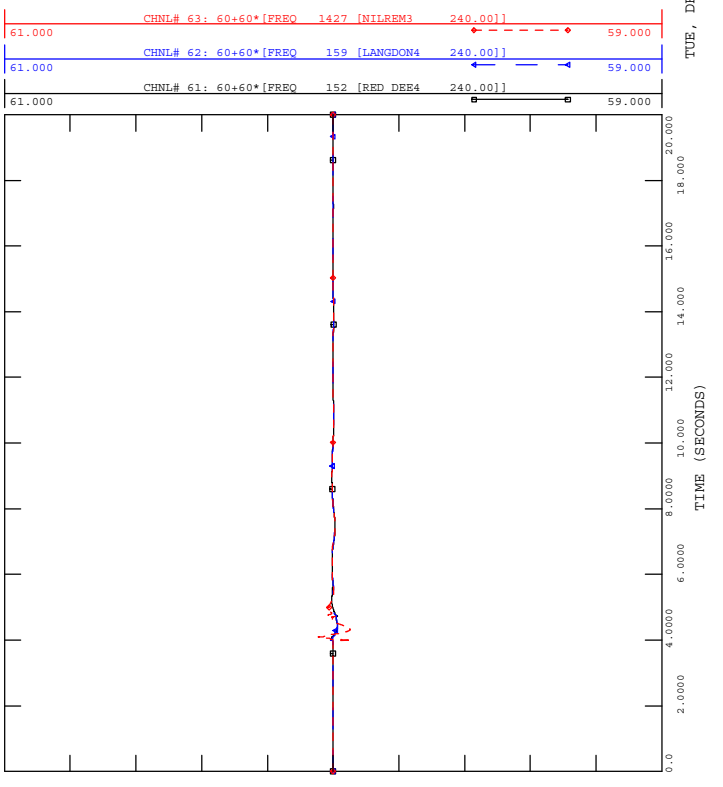


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7

TUE, DEC 06 2016 21:30

FREQUENCY

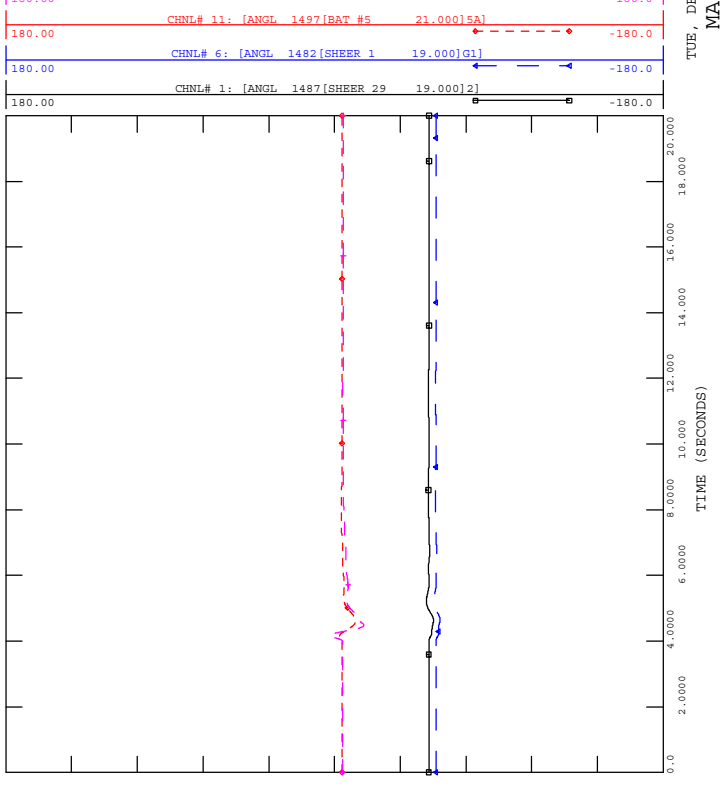


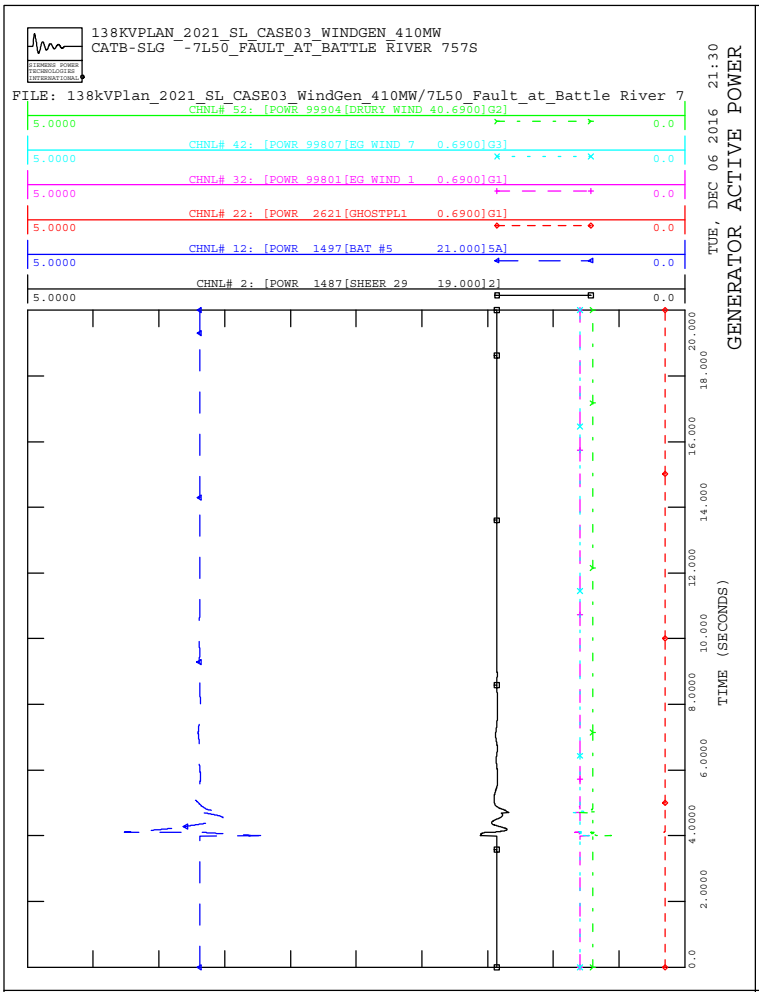
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

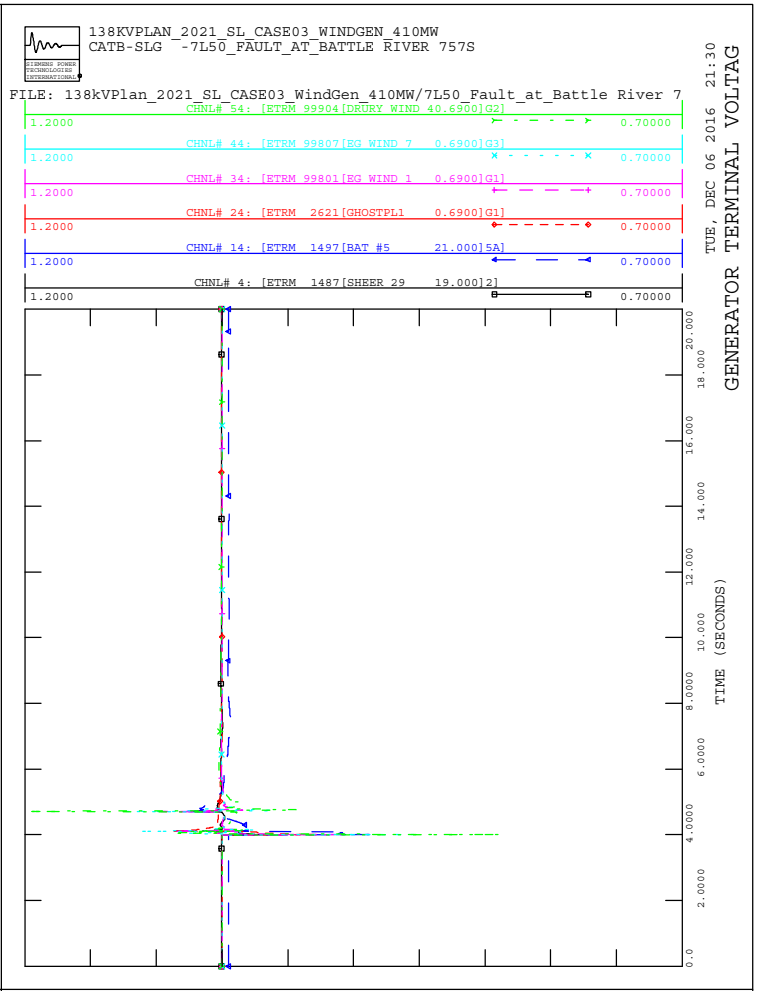
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7

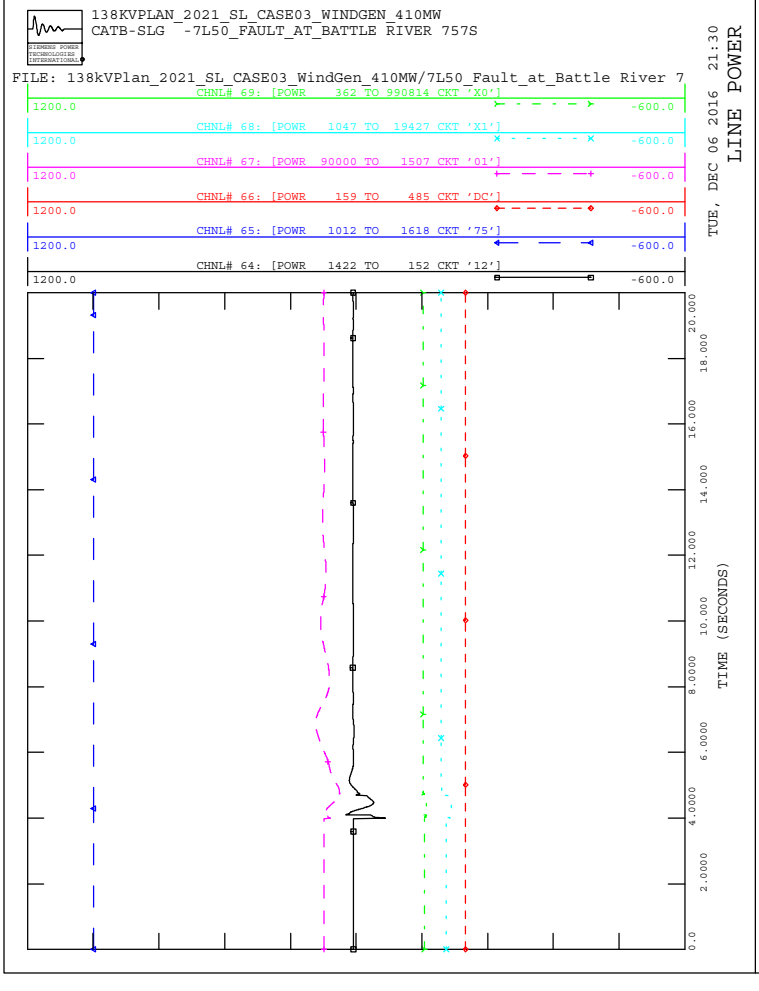
TUE, DEC 06 2016 21:30

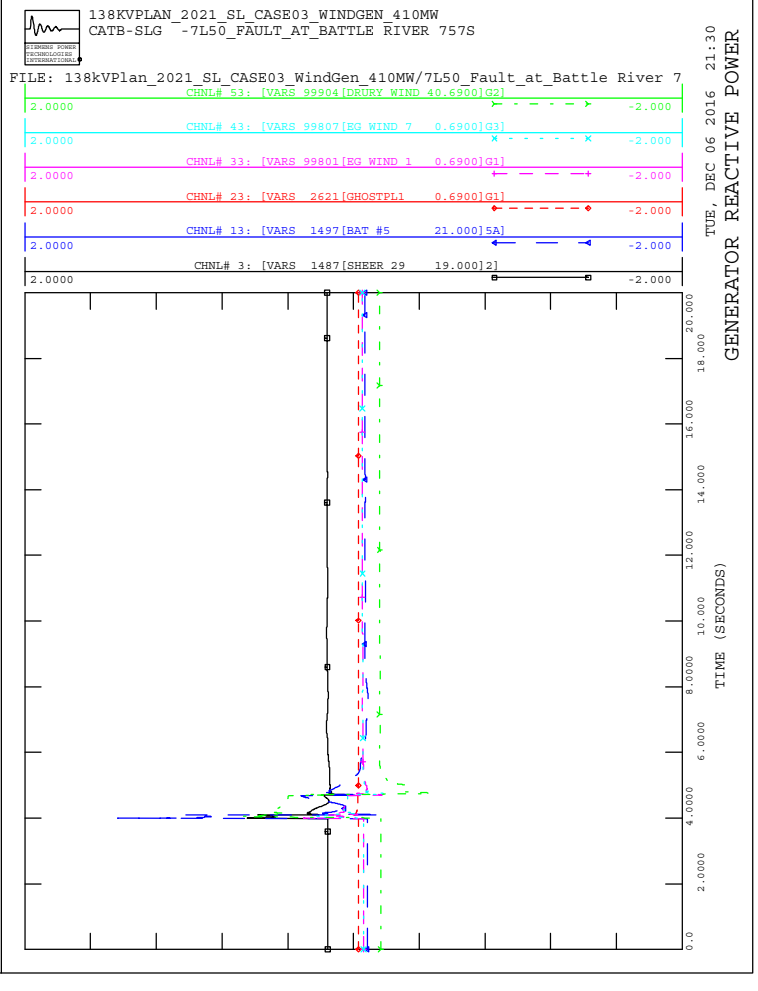
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)

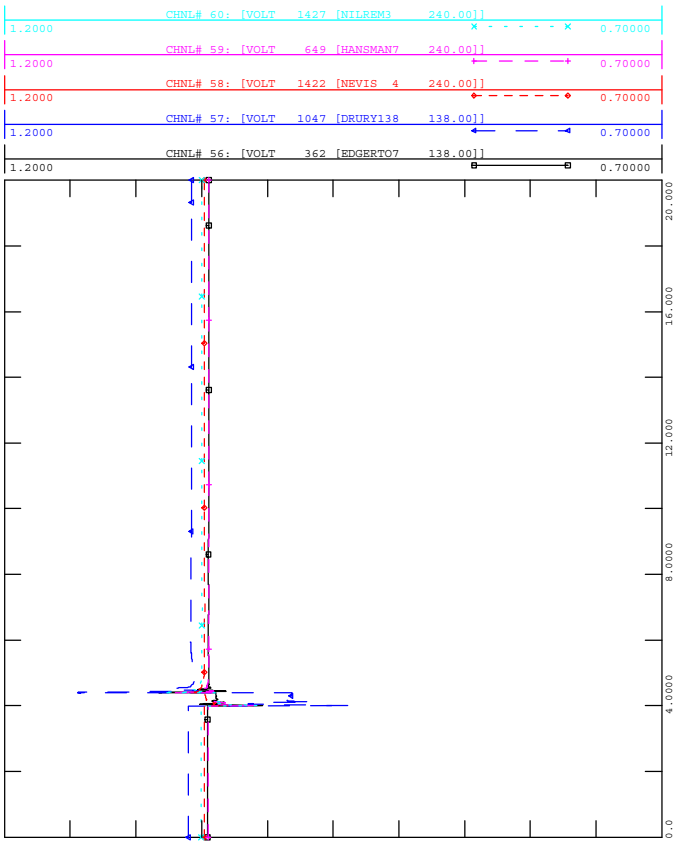

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:30

BUS VOLTAGE

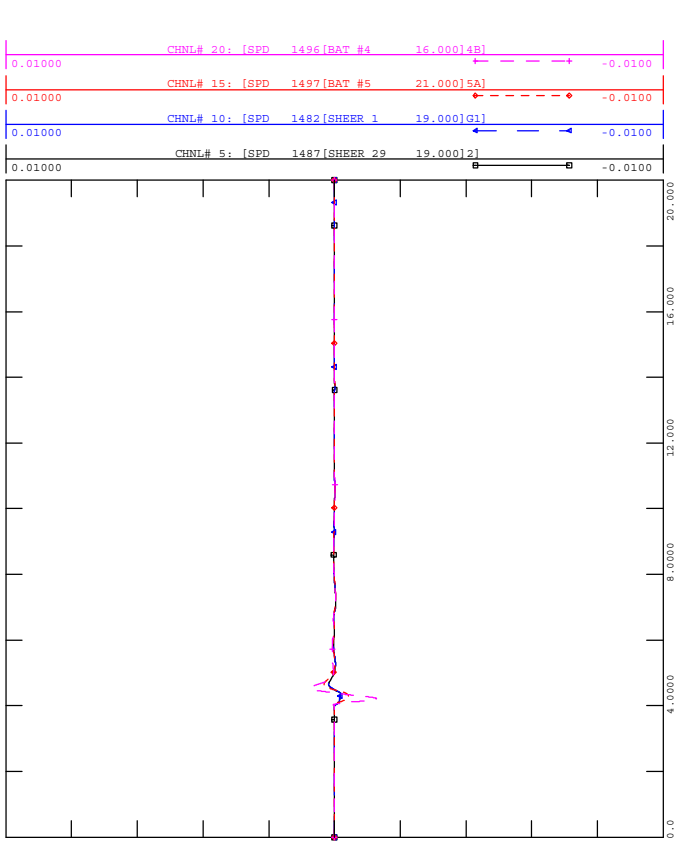


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:30

MACHINE SPEED

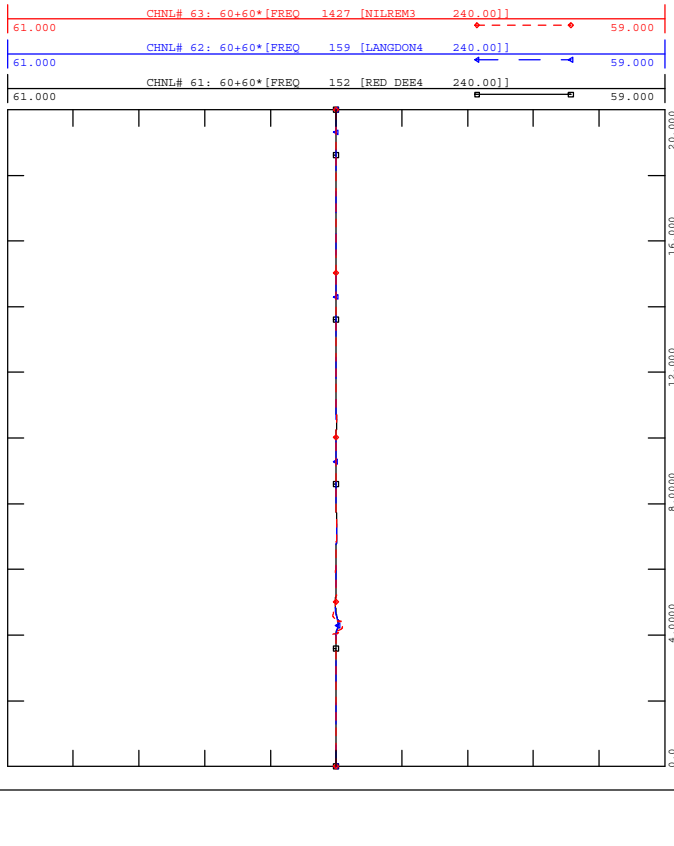


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:30

FREQUENCY

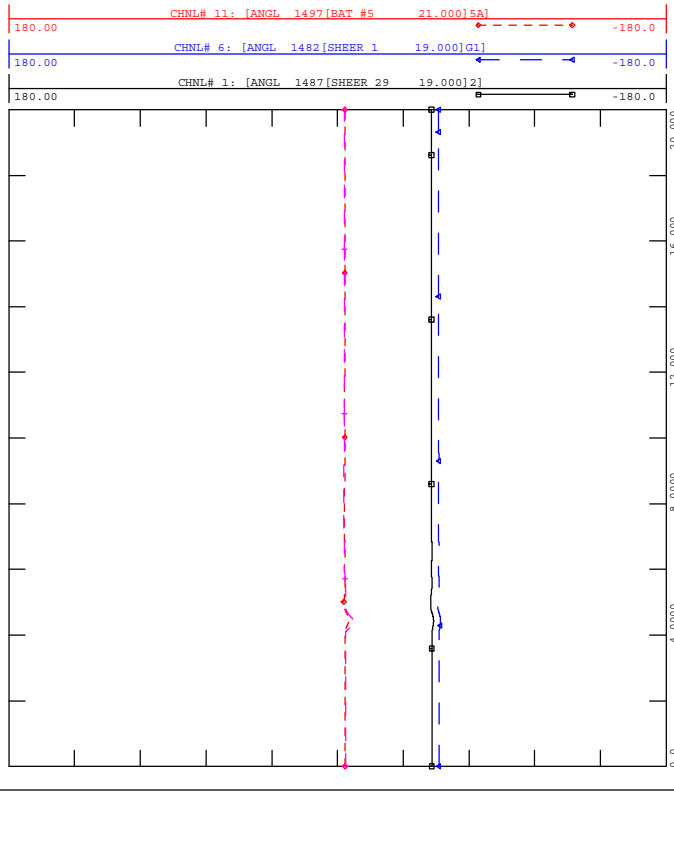


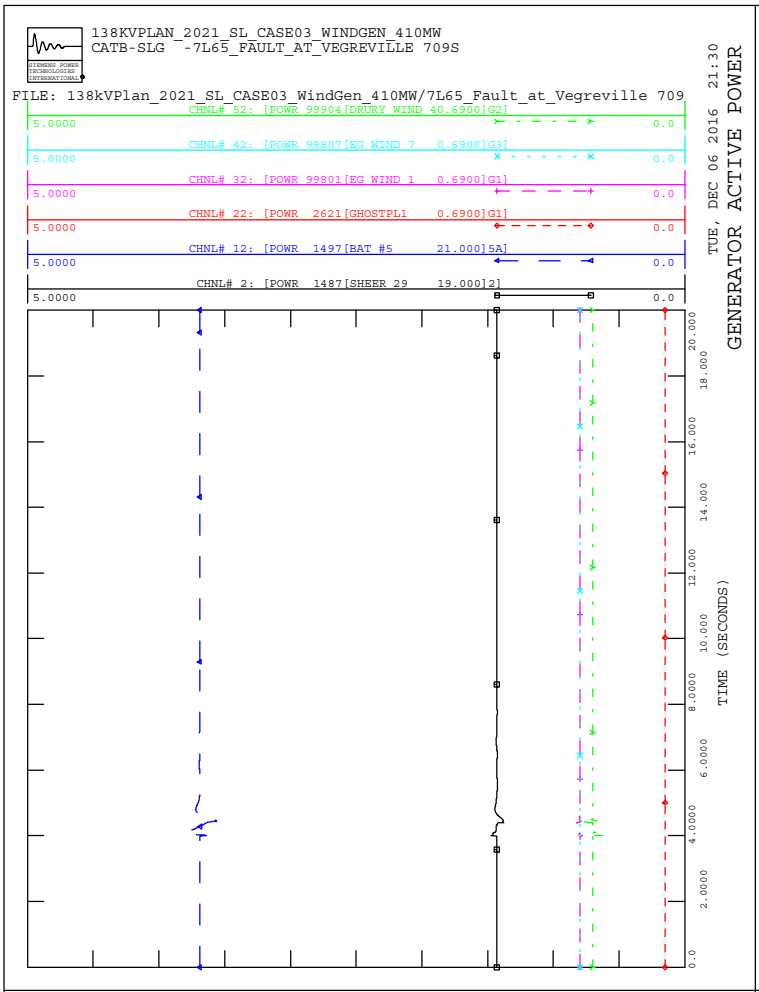
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

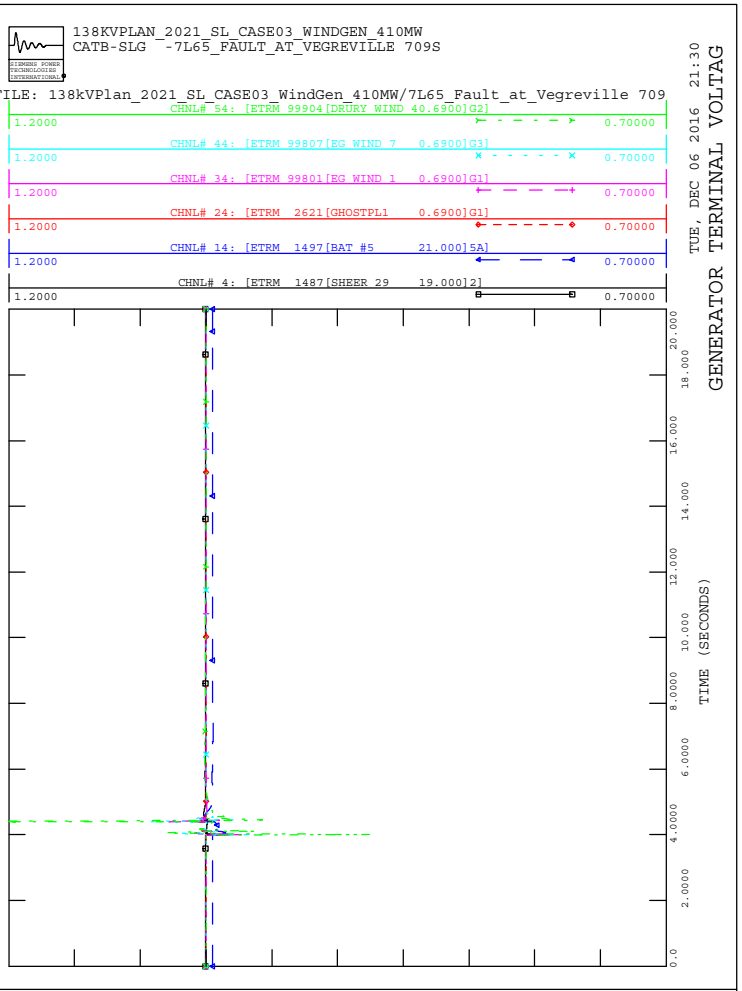
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:30

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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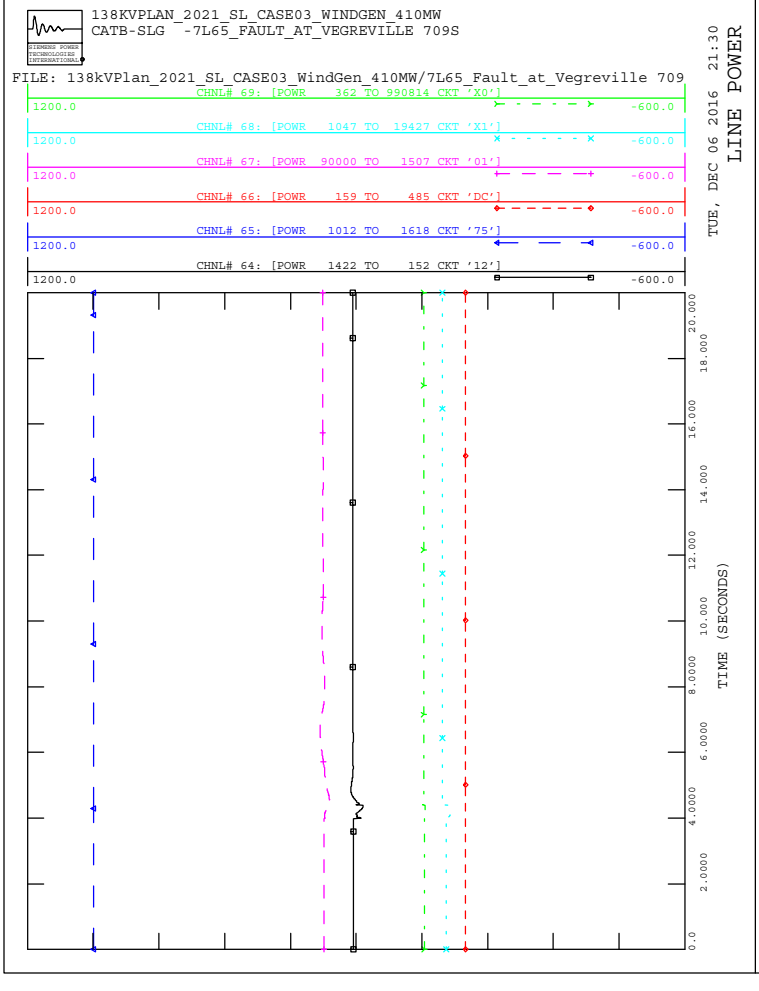
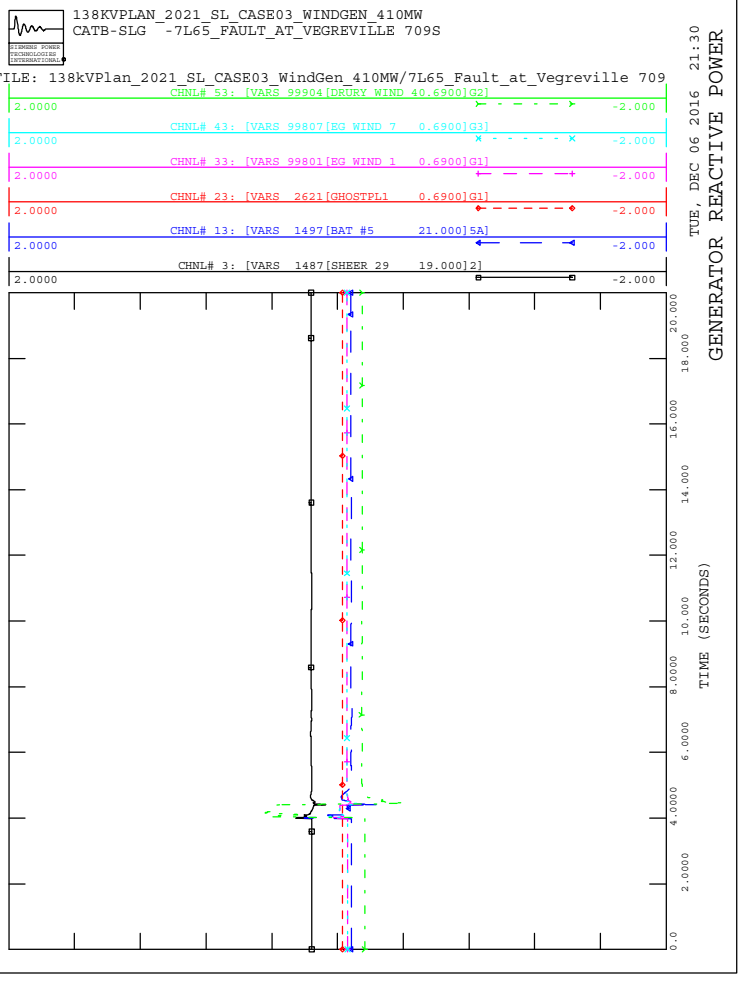
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

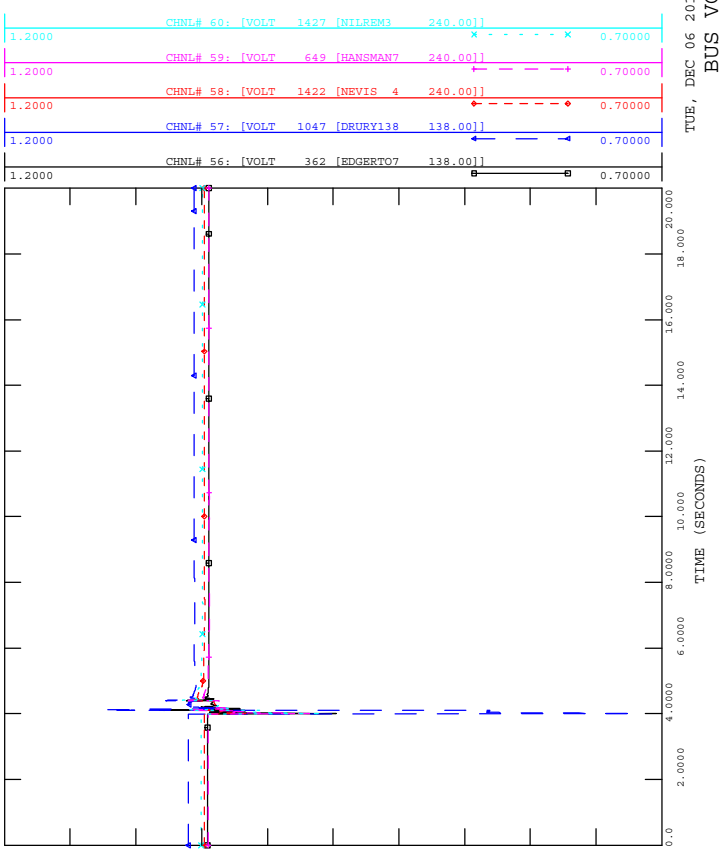

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou

TUE, DEC 06 2016 21:30

BUS VOLTAGE

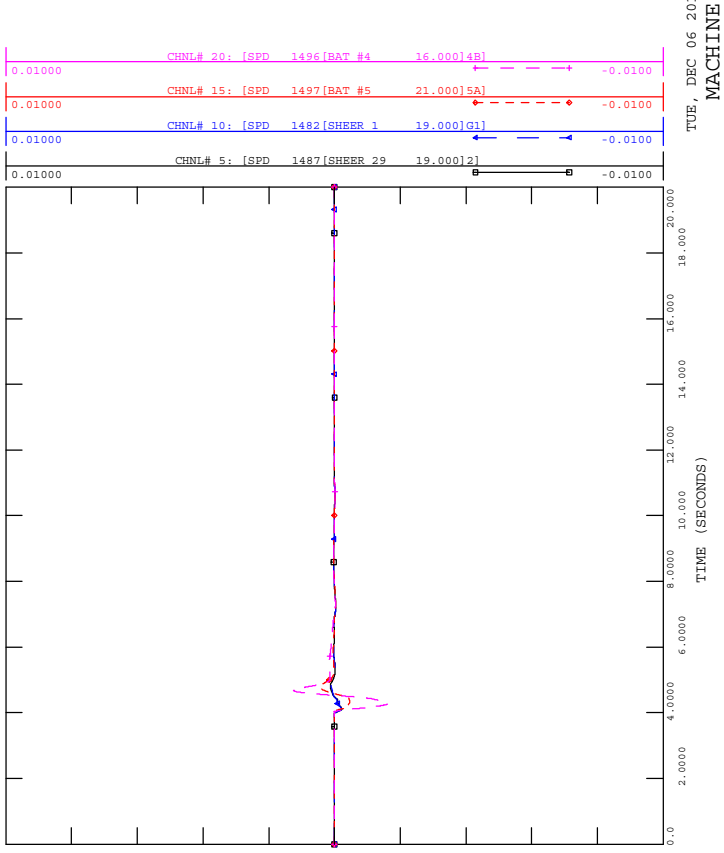


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou

TUE, DEC 06 2016 21:30

MACHINE SPEED

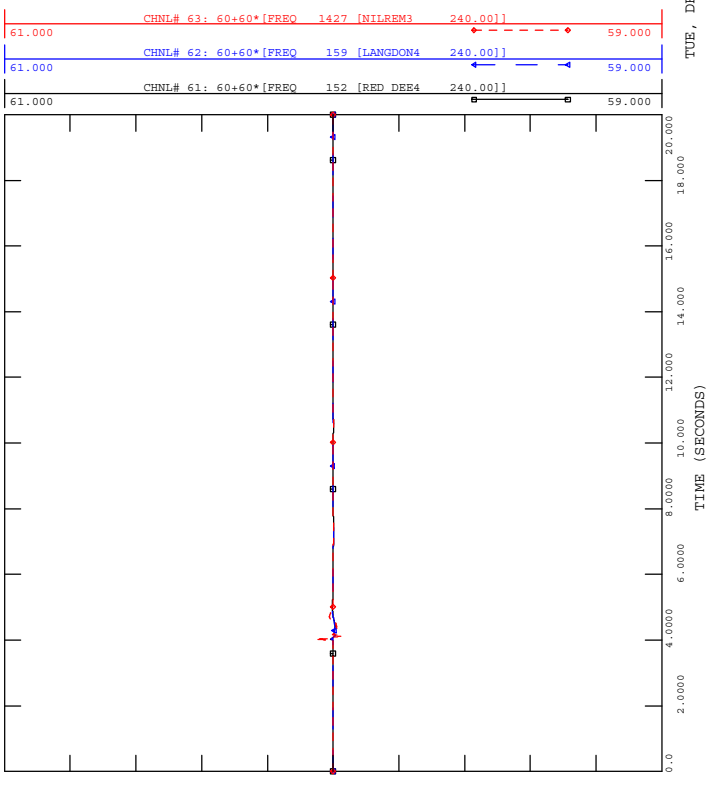


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou

TUE, DEC 06 2016 21:30

FREQUENCY

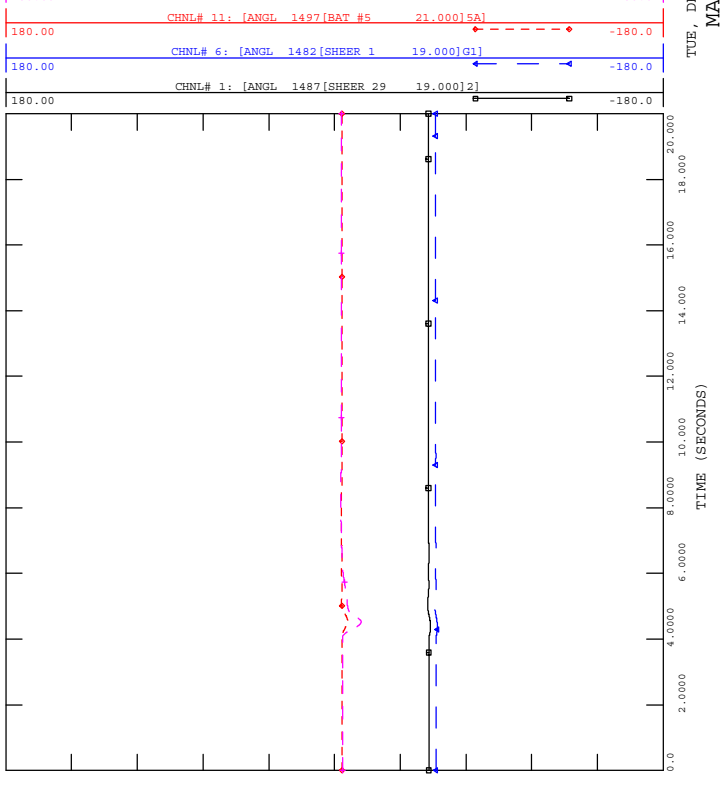


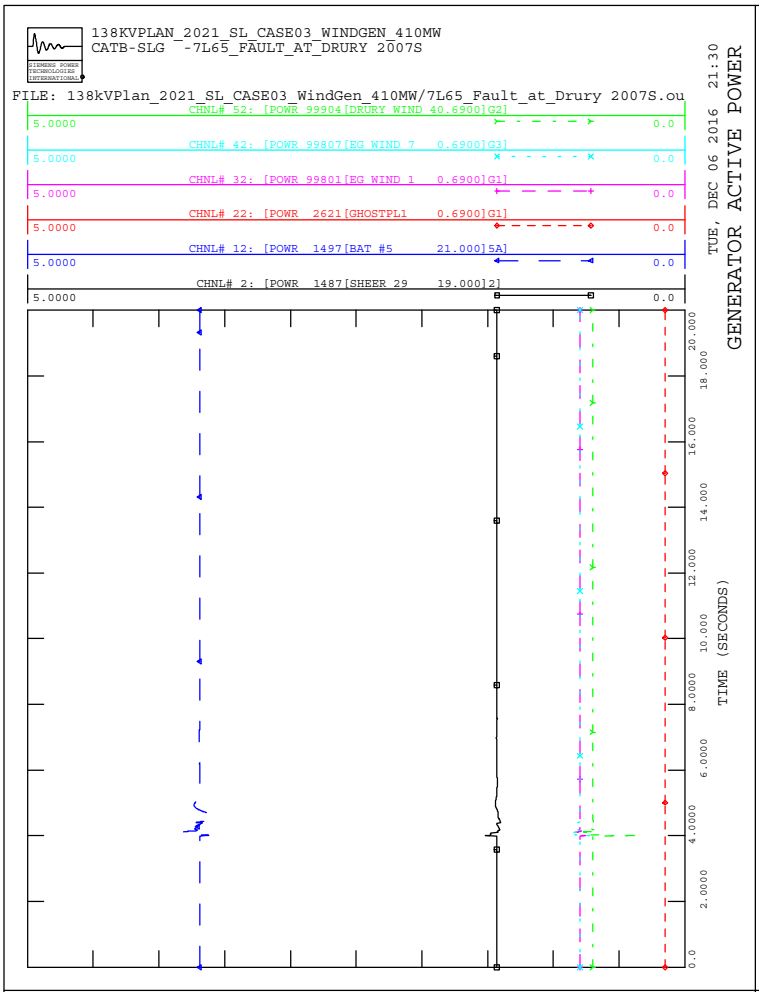
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

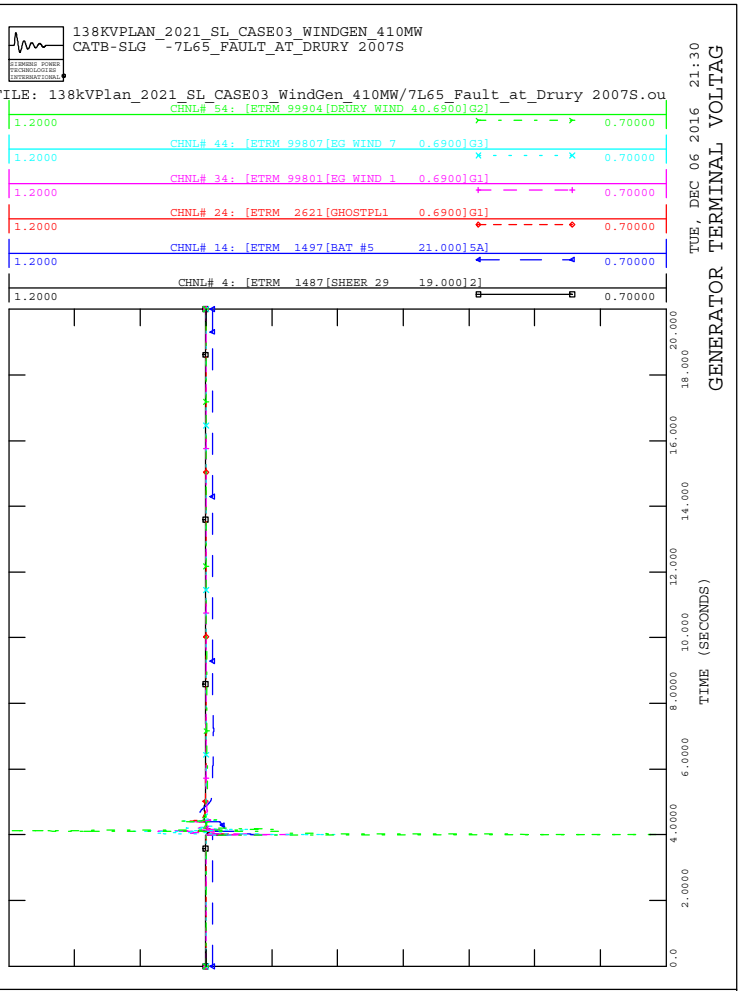
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou

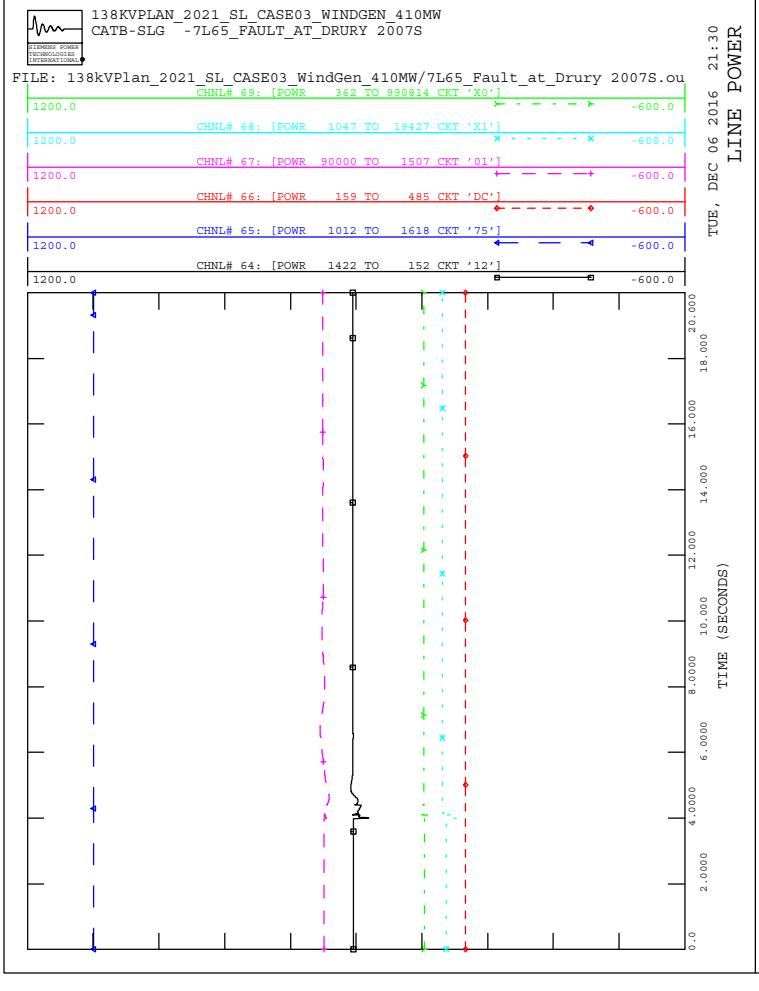
TUE, DEC 06 2016 21:30

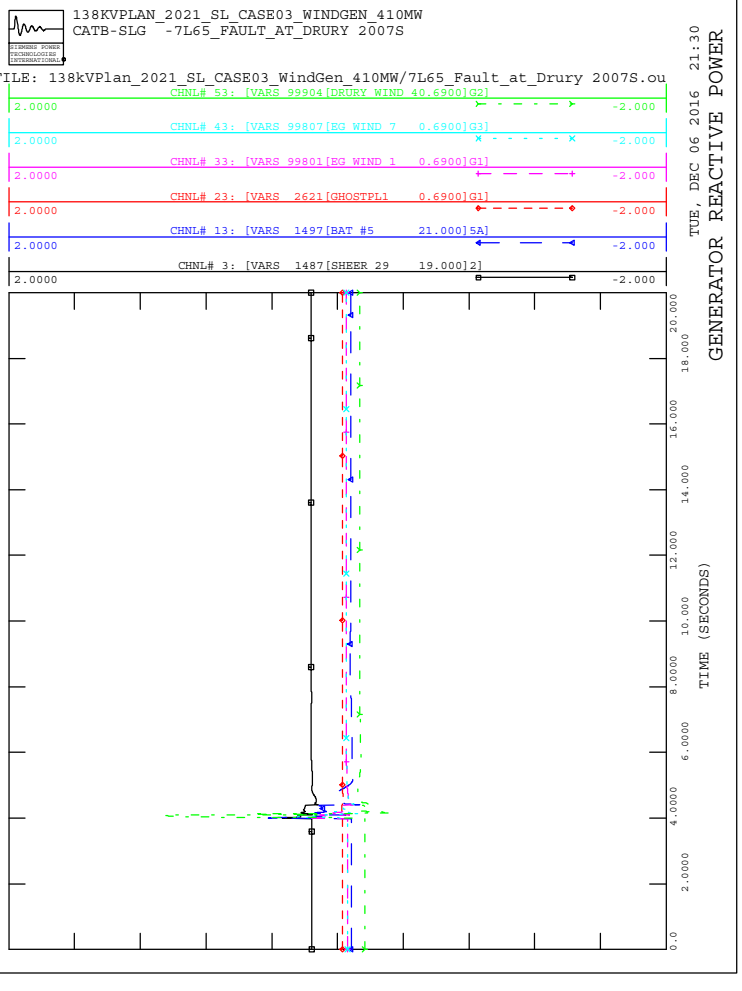
MACHINE ANGLE

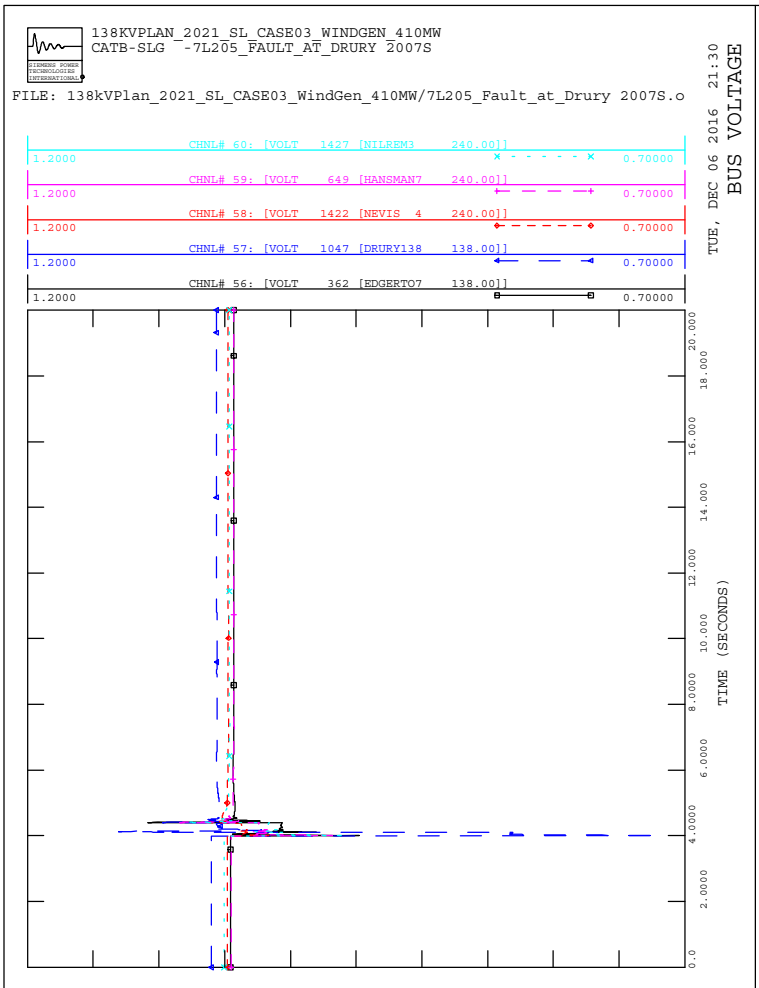


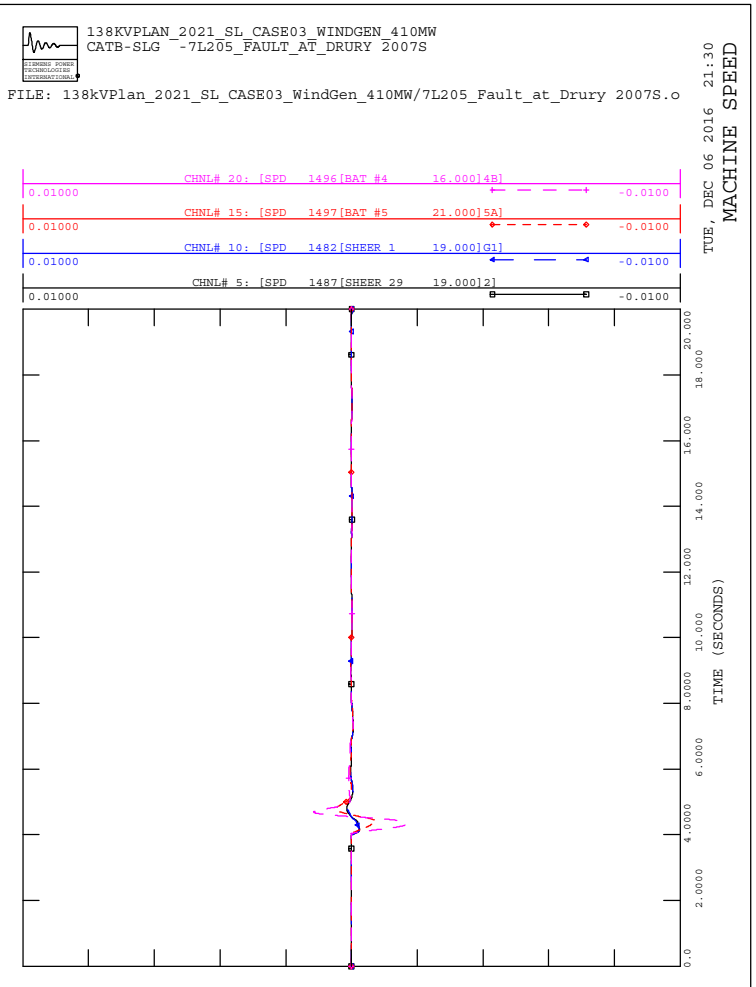

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
TUE, DEC 06 2016 21:30
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
TUE, DEC 06 2016 21:30
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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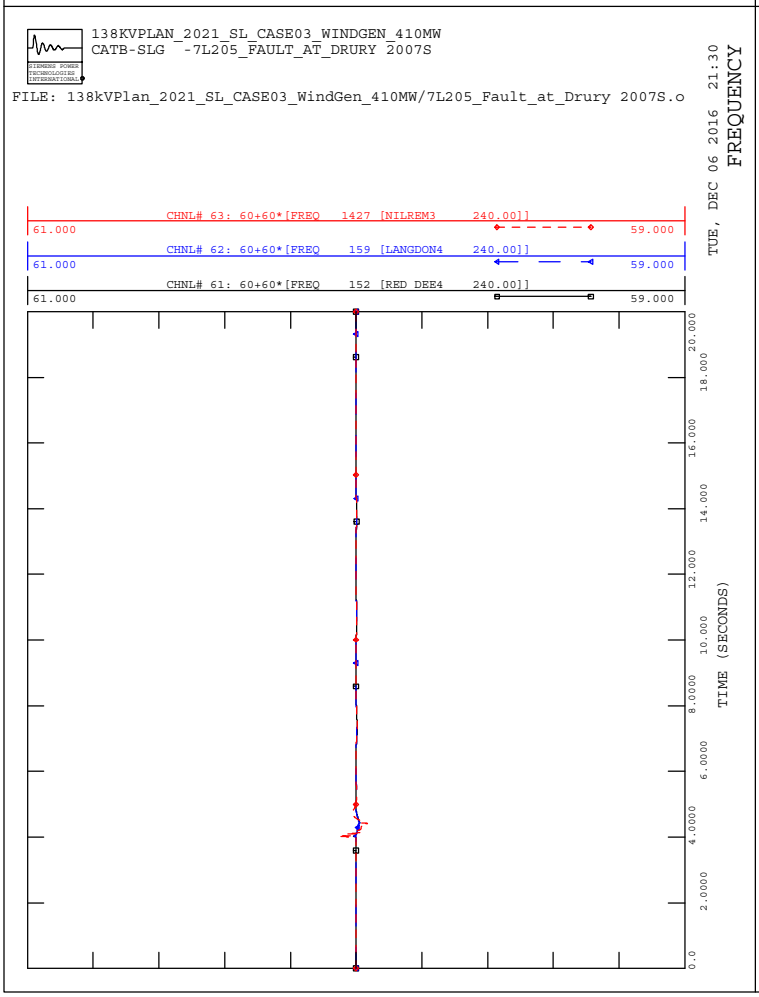
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
TUE, DEC 06 2016 21:30
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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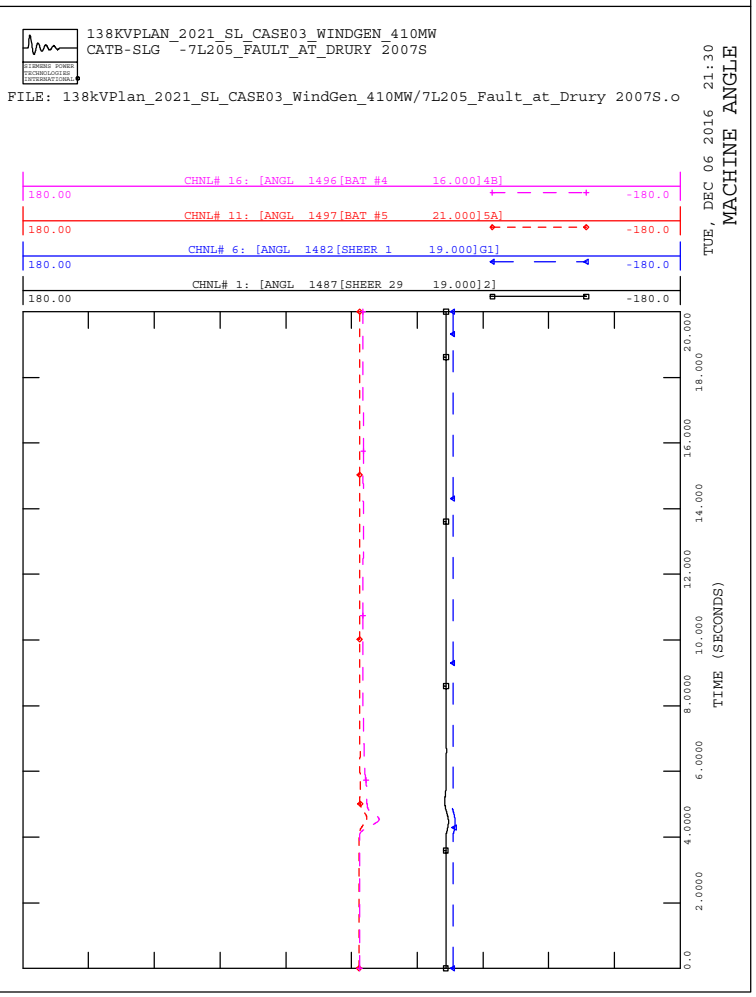
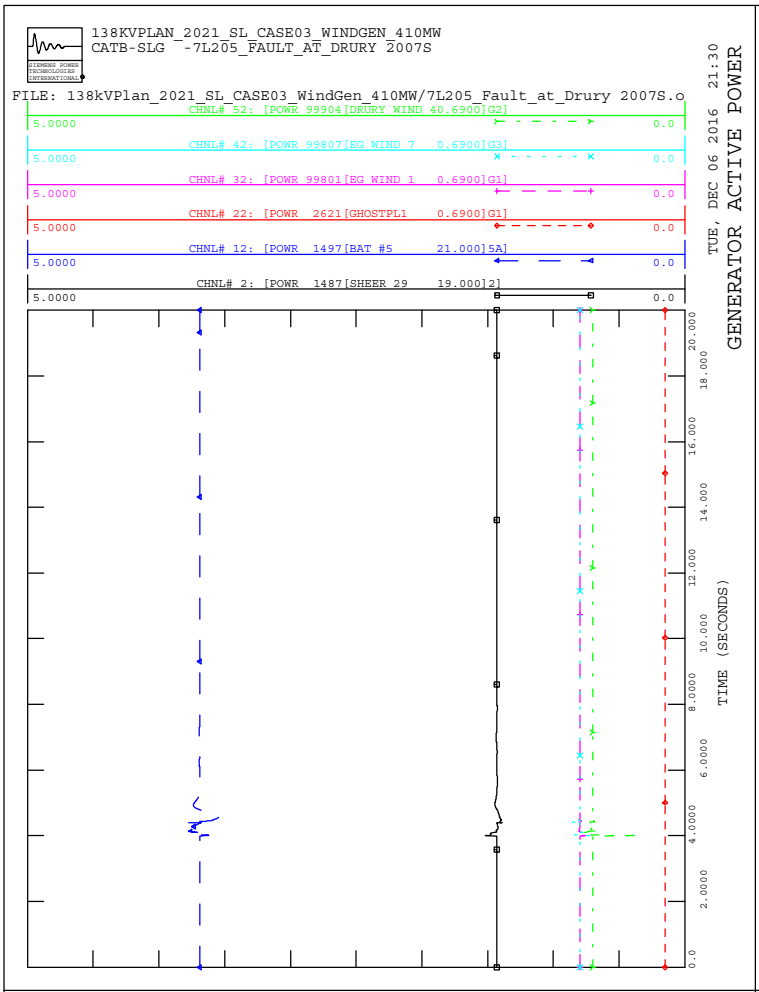
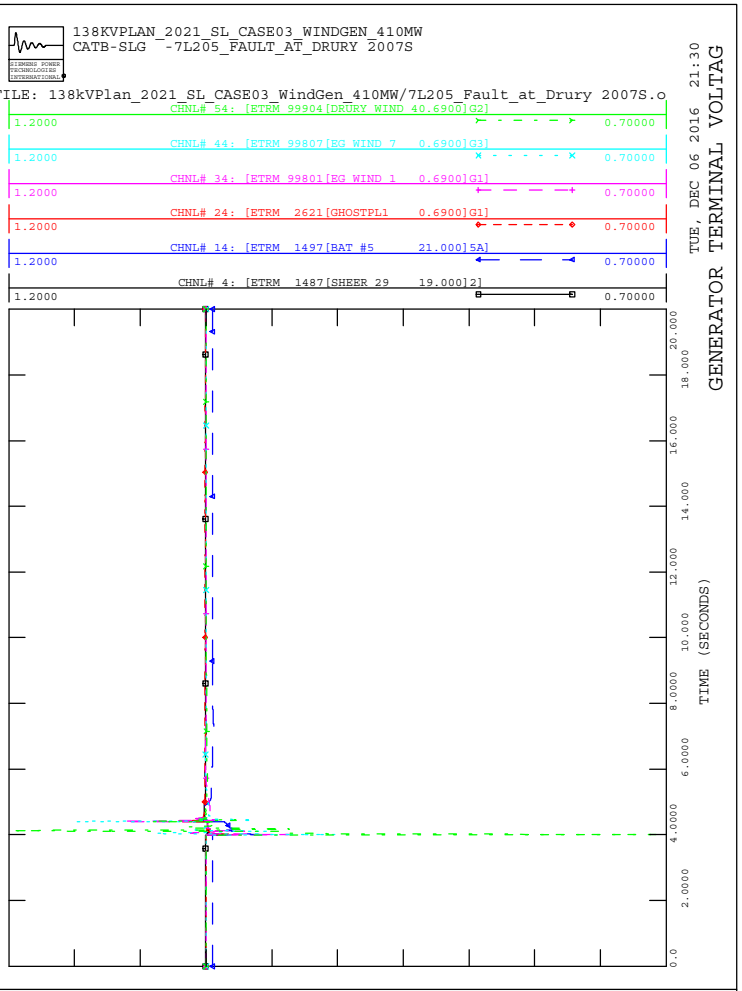
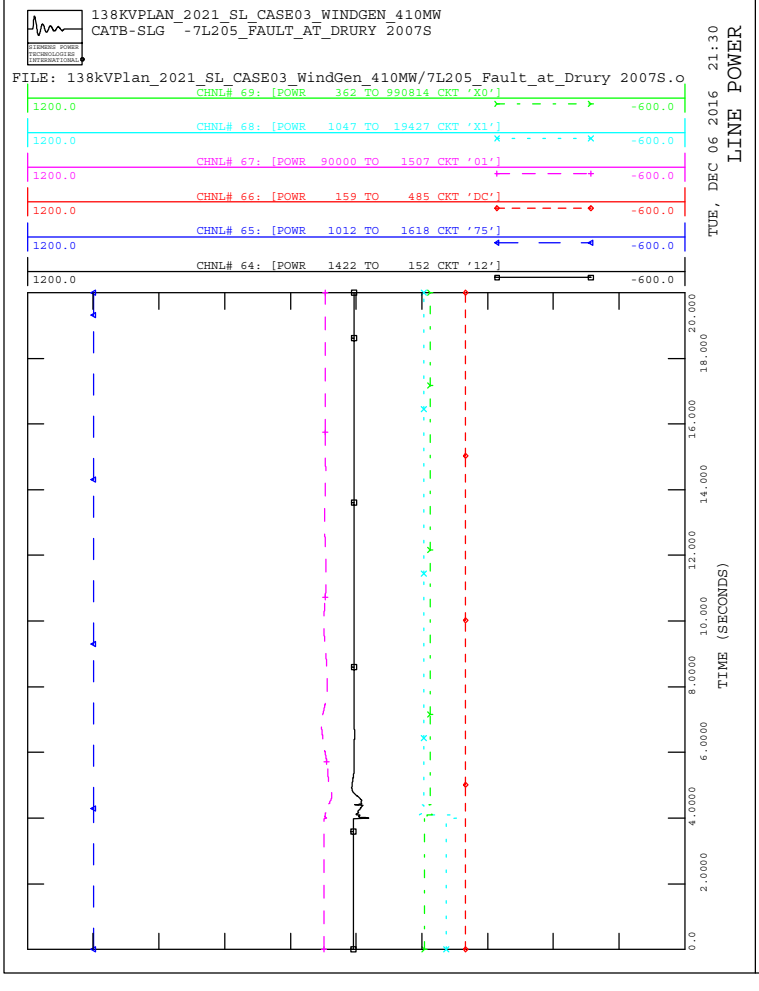
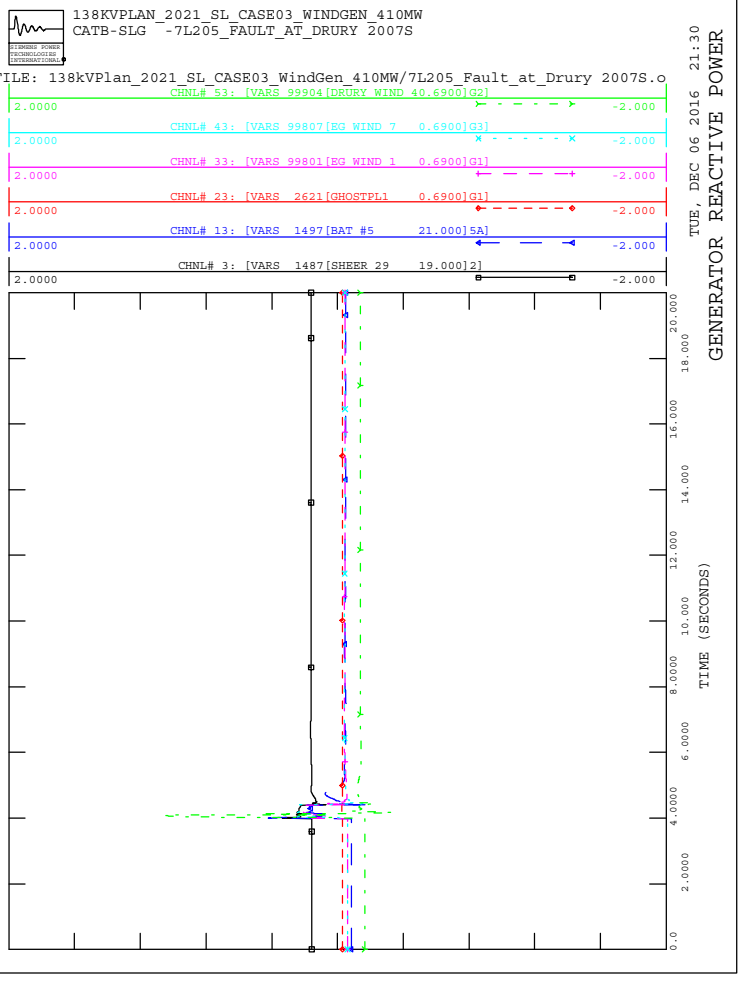
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
TUE, DEC 06 2016 21:30
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

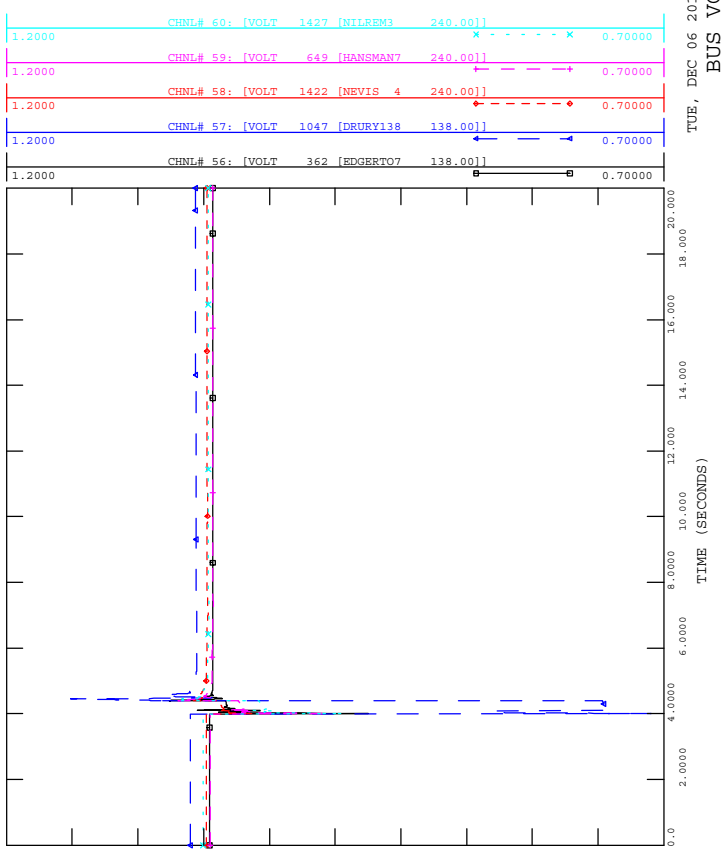

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

BUS VOLTAGE

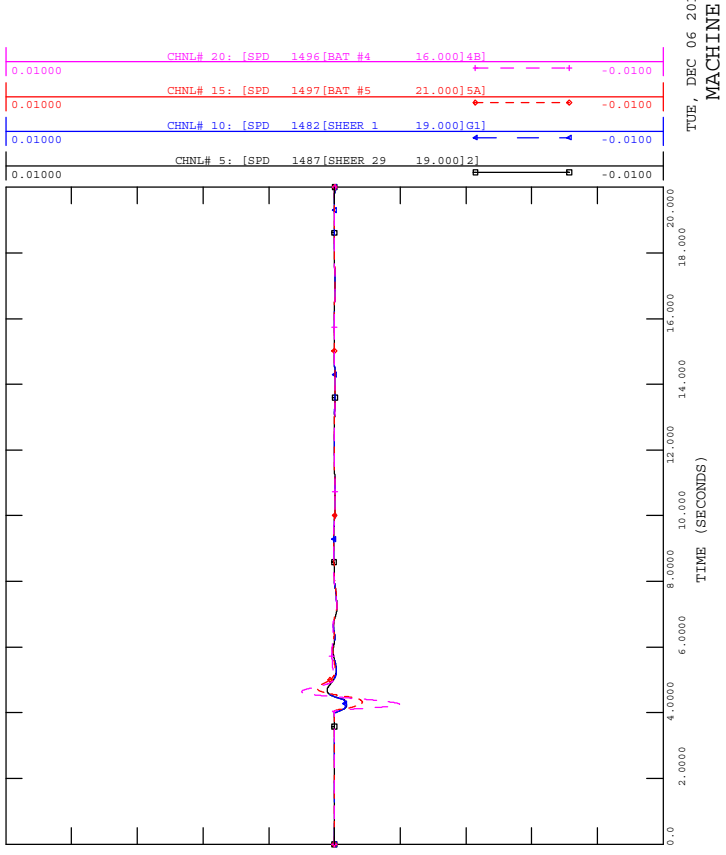


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

MACHINE SPEED

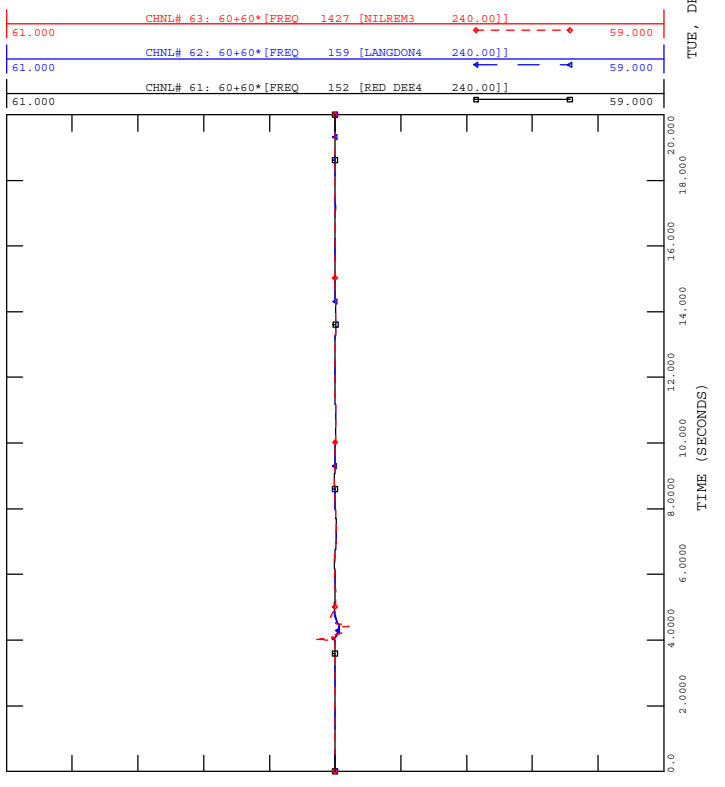


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

FREQUENCY

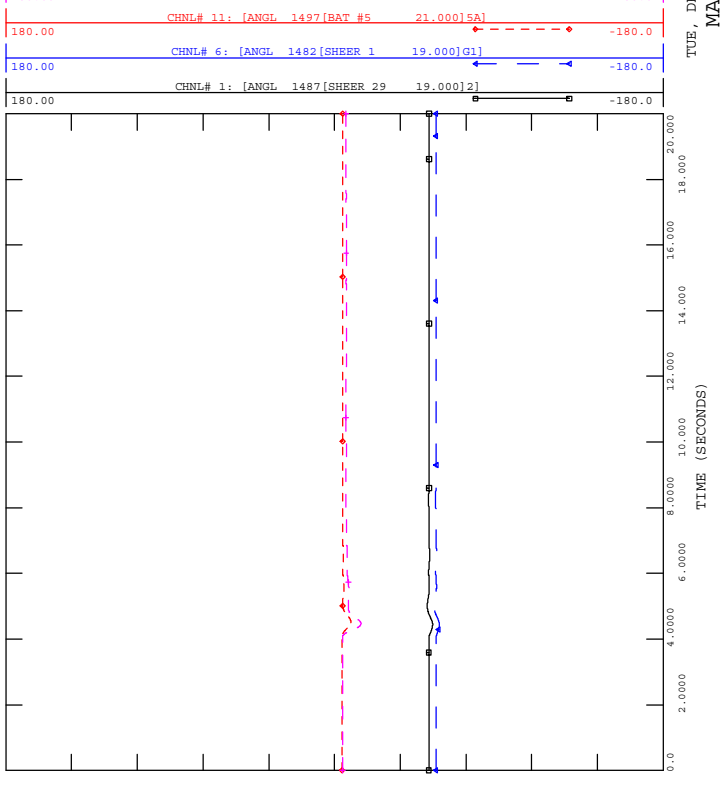


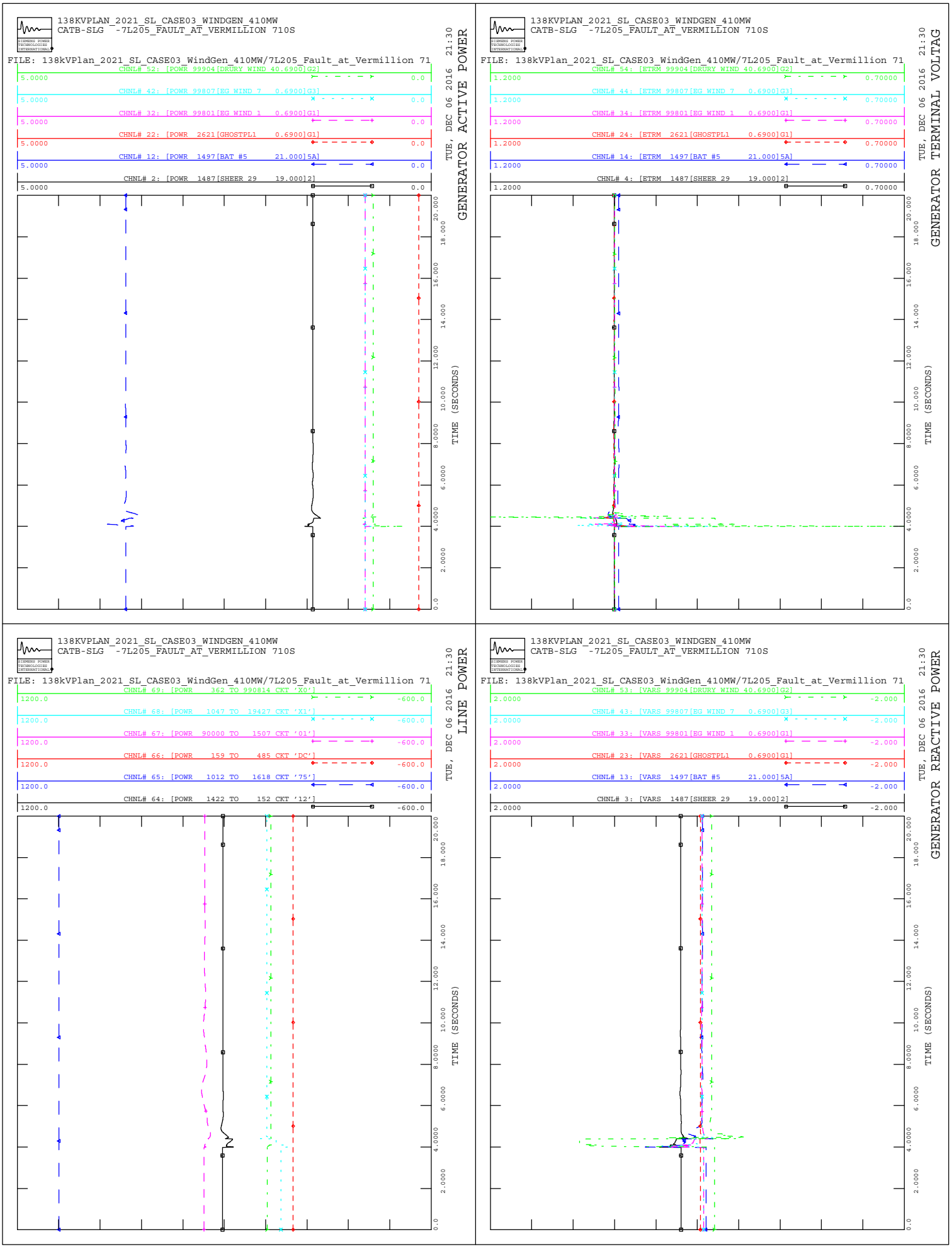
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:30

MACHINE ANGLE



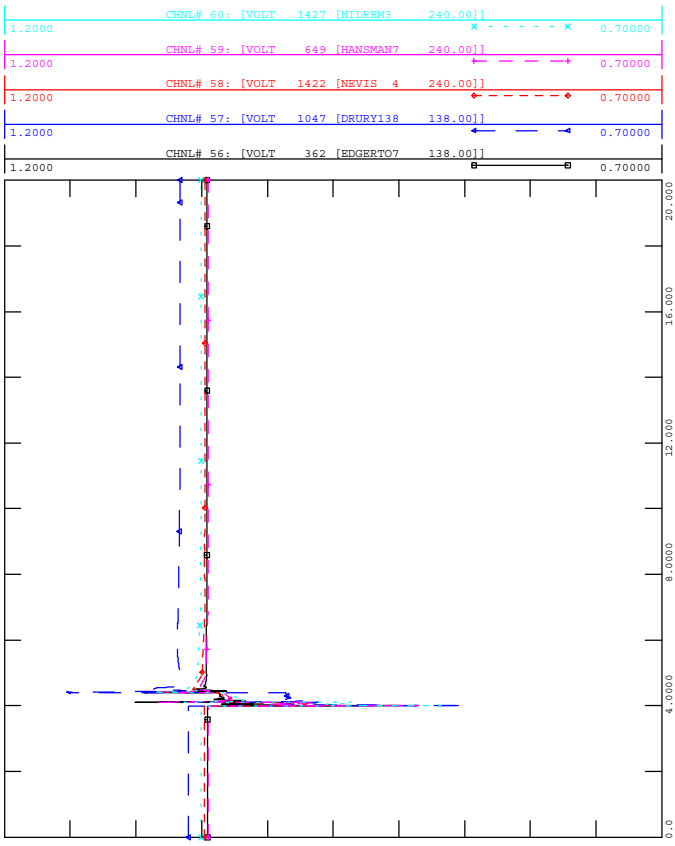

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River

TUE, DEC 06 2016 21:30

BUS VOLTAGE

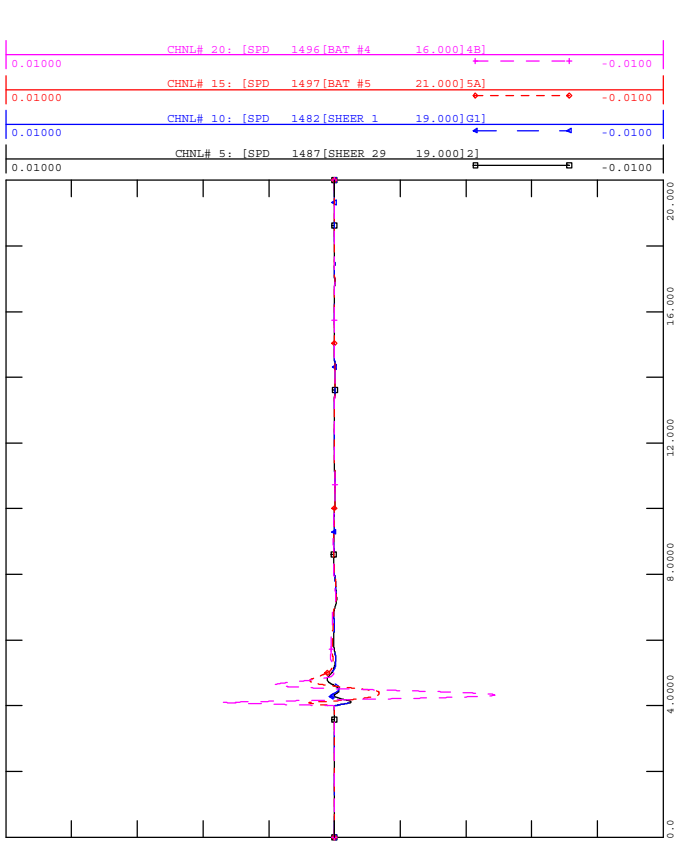


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River

TUE, DEC 06 2016 21:30

MACHINE SPEED

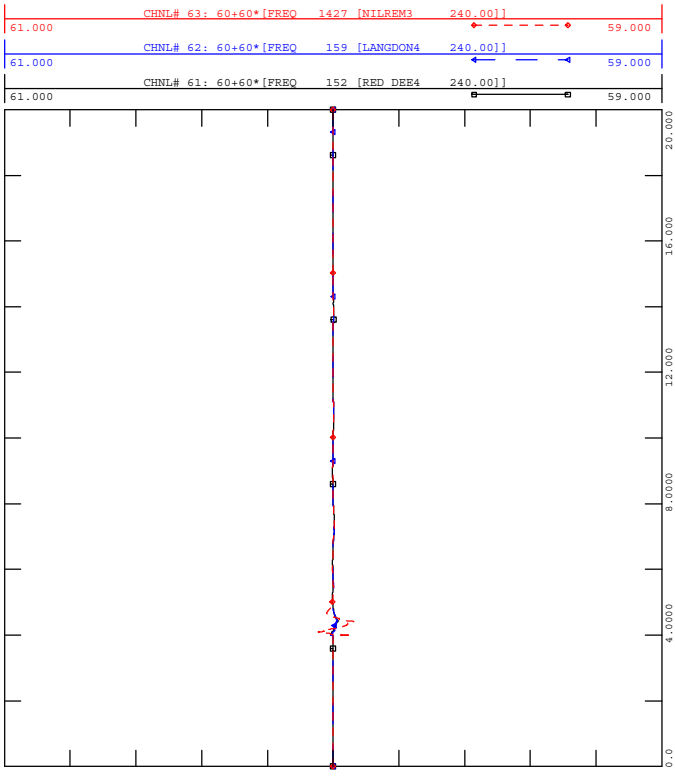


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River

TUE, DEC 06 2016 21:30

FREQUENCY

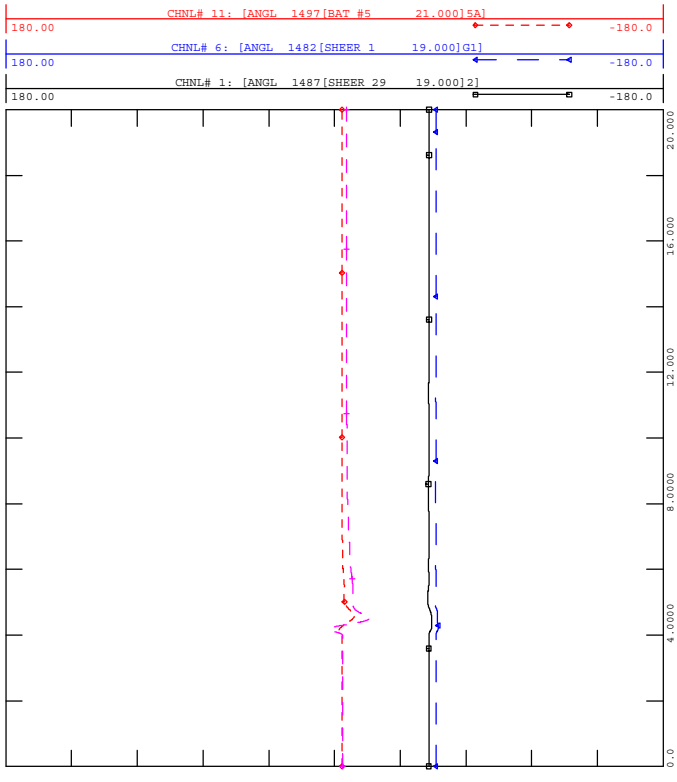


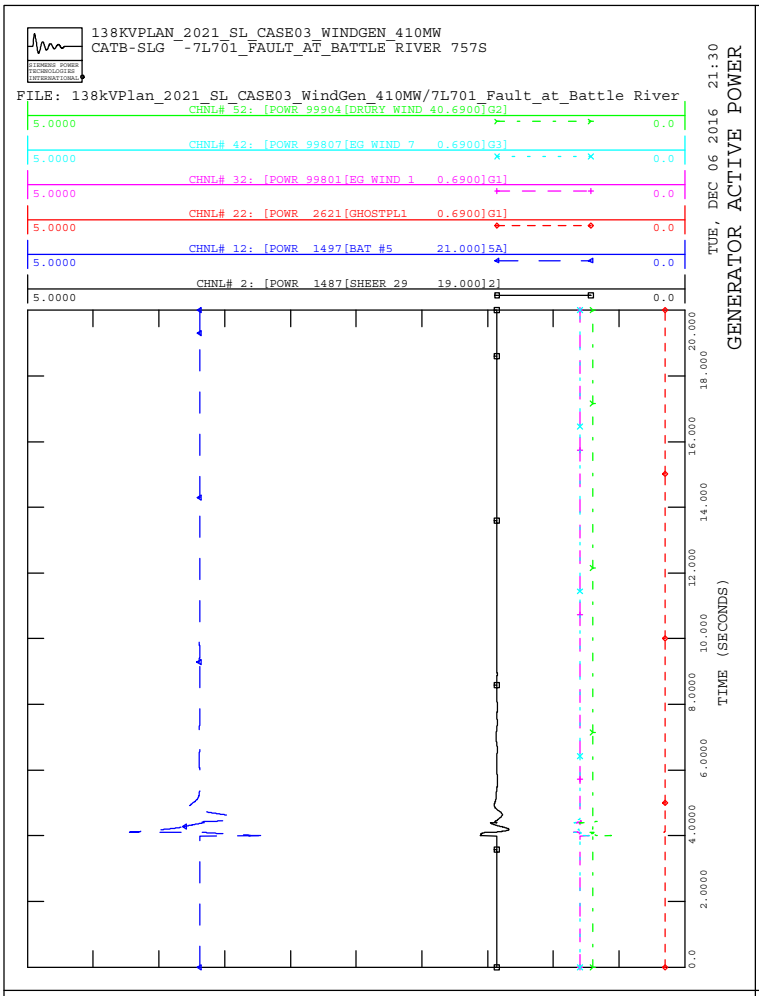
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

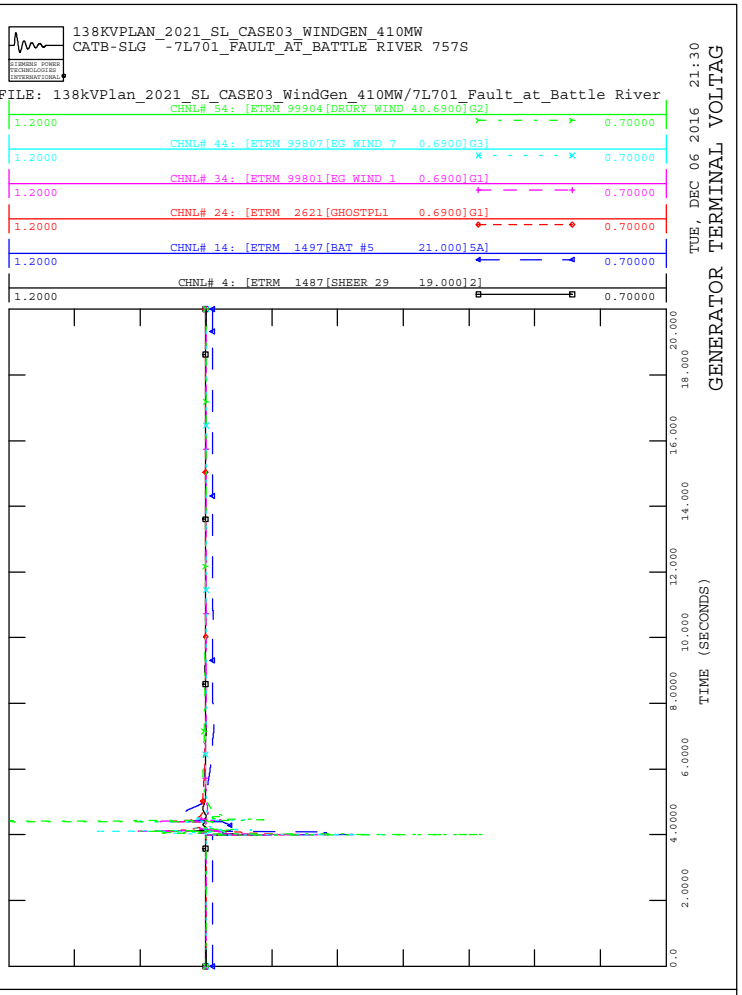
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River

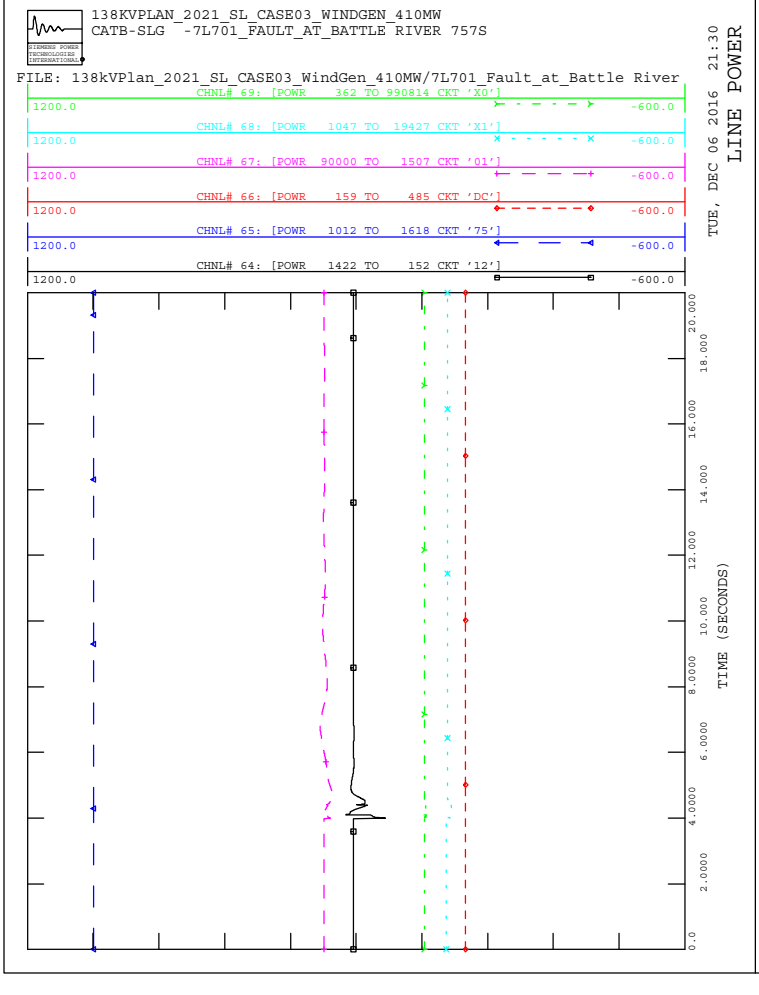
TUE, DEC 06 2016 21:30

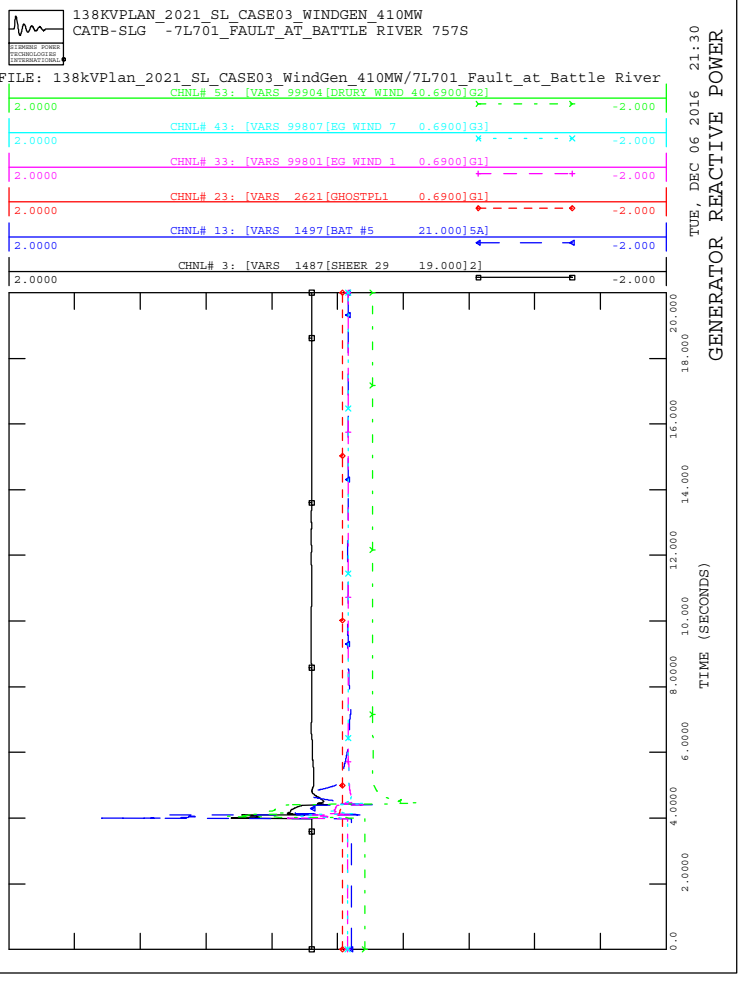
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)

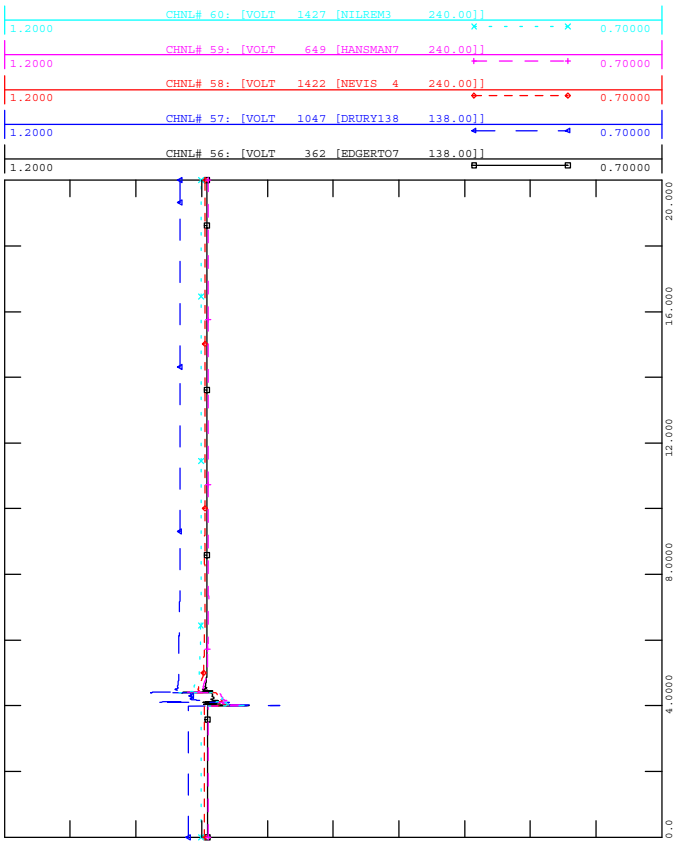

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Battle River
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o

TUE, DEC 06 2016 21:30

BUS VOLTAGE

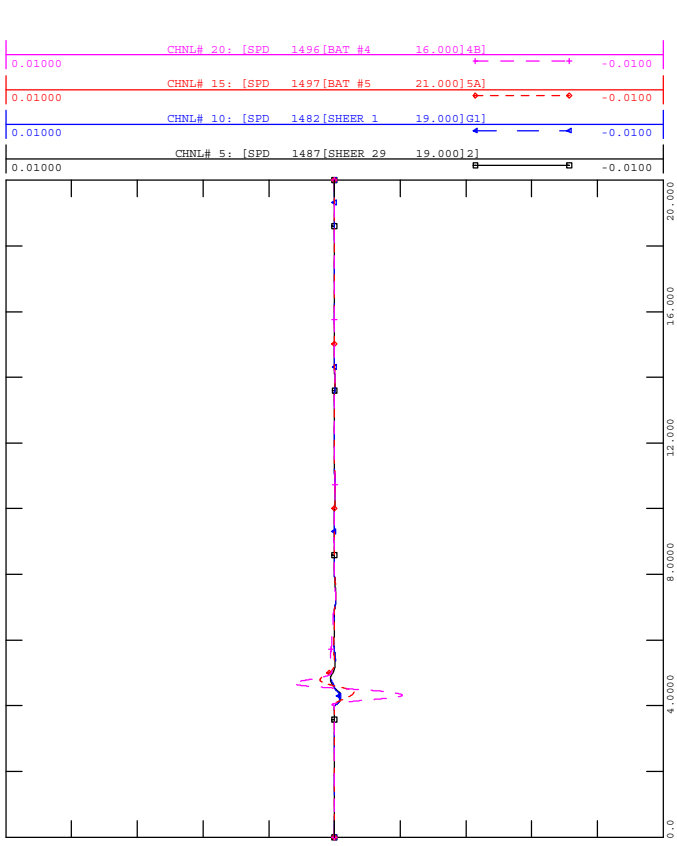


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o

TUE, DEC 06 2016 21:30

MACHINE SPEED

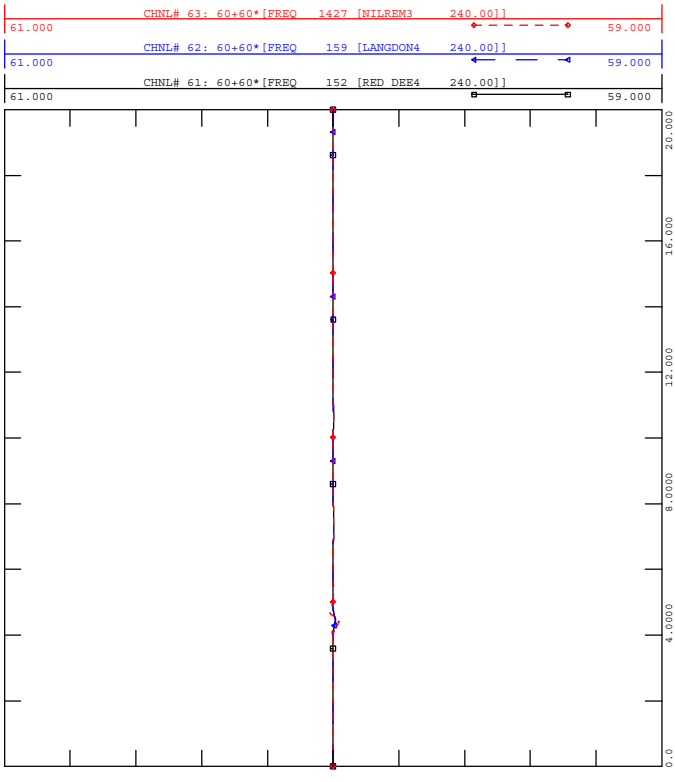


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o

TUE, DEC 06 2016 21:30

FREQUENCY

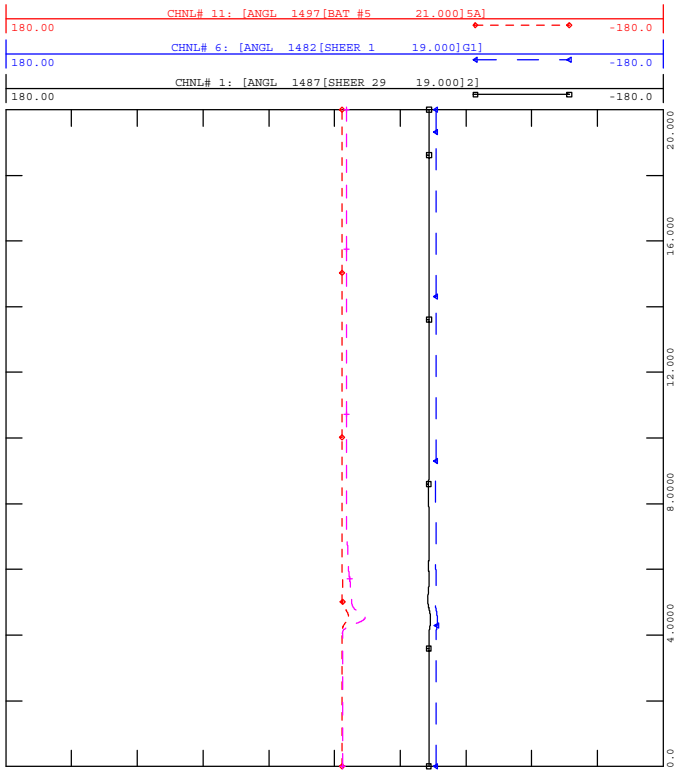


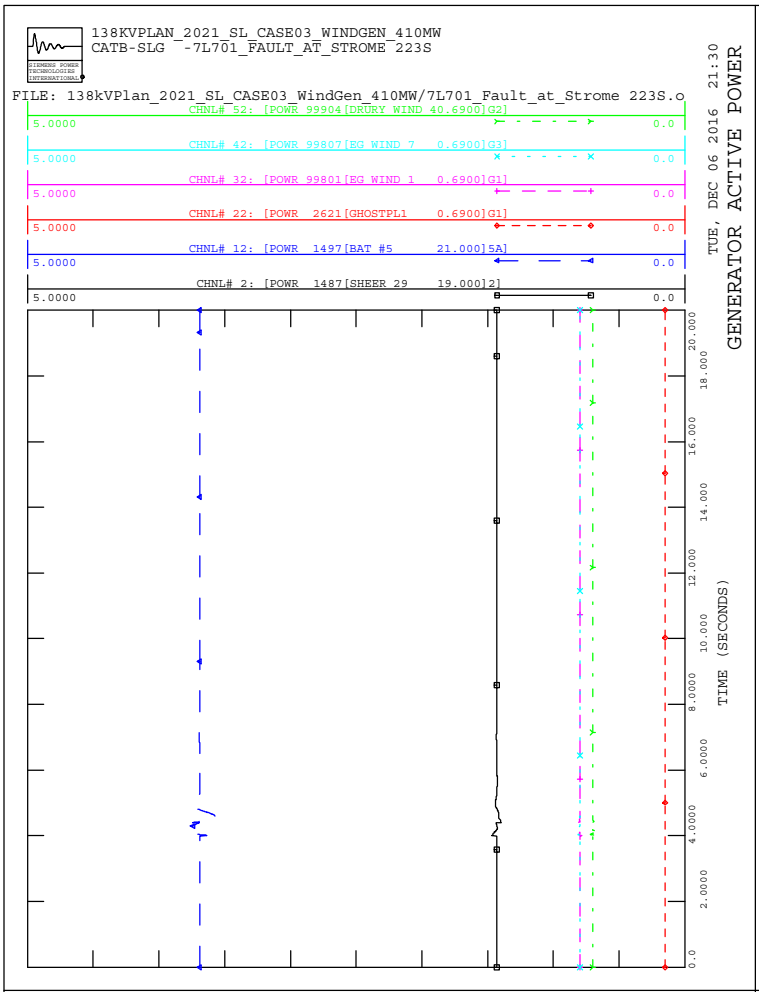
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

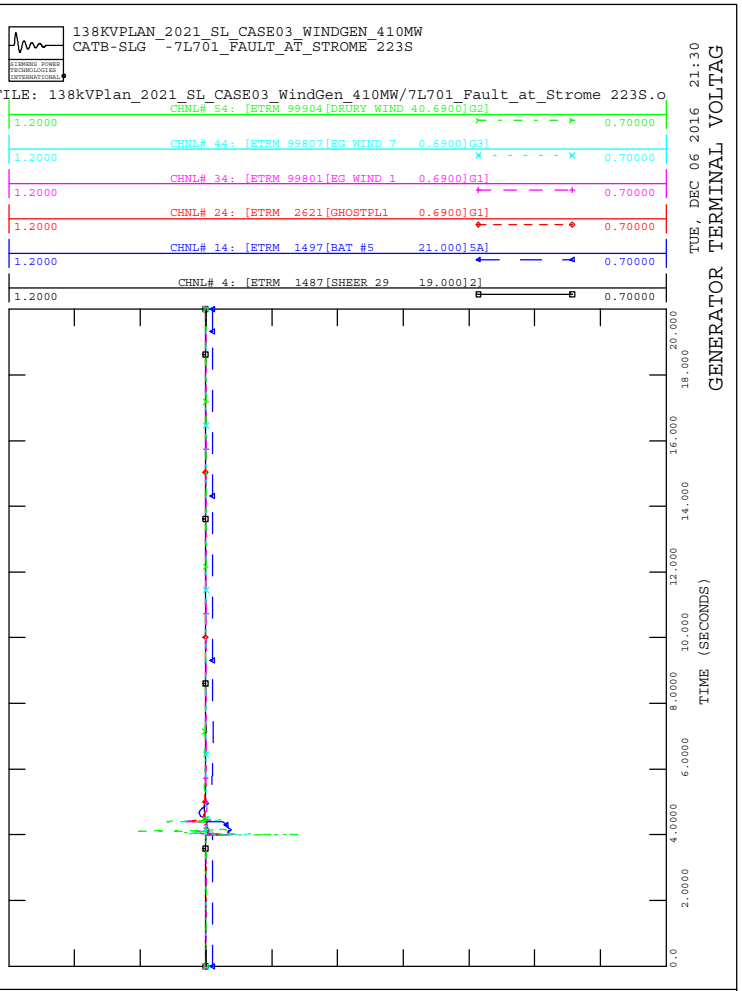
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o

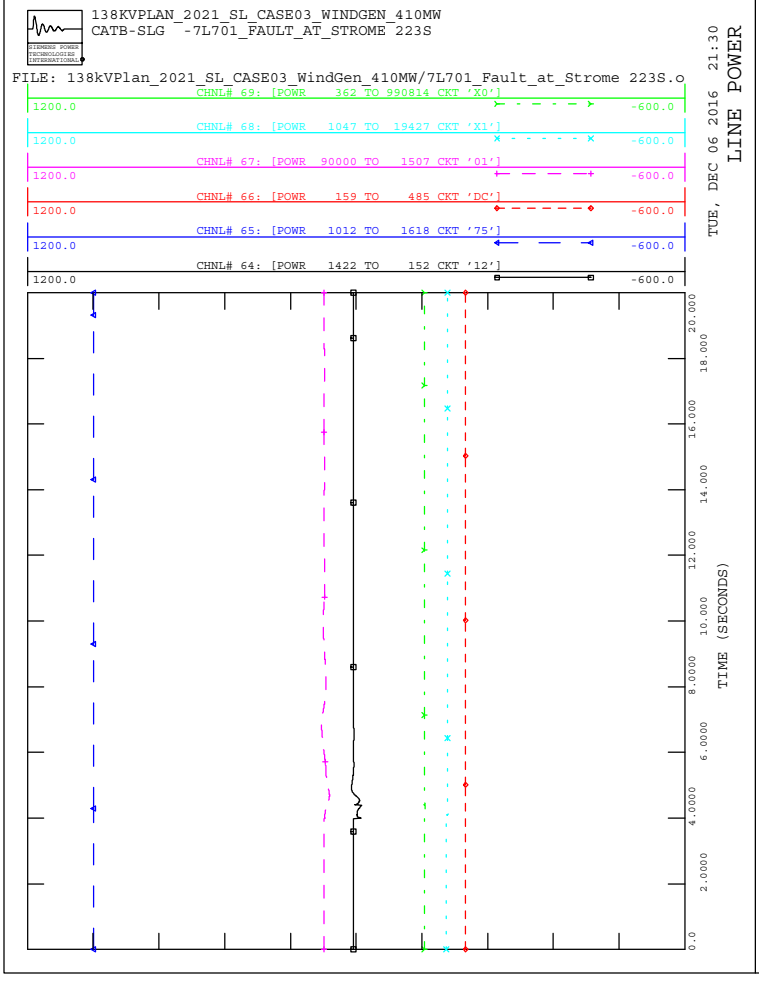
TUE, DEC 06 2016 21:30

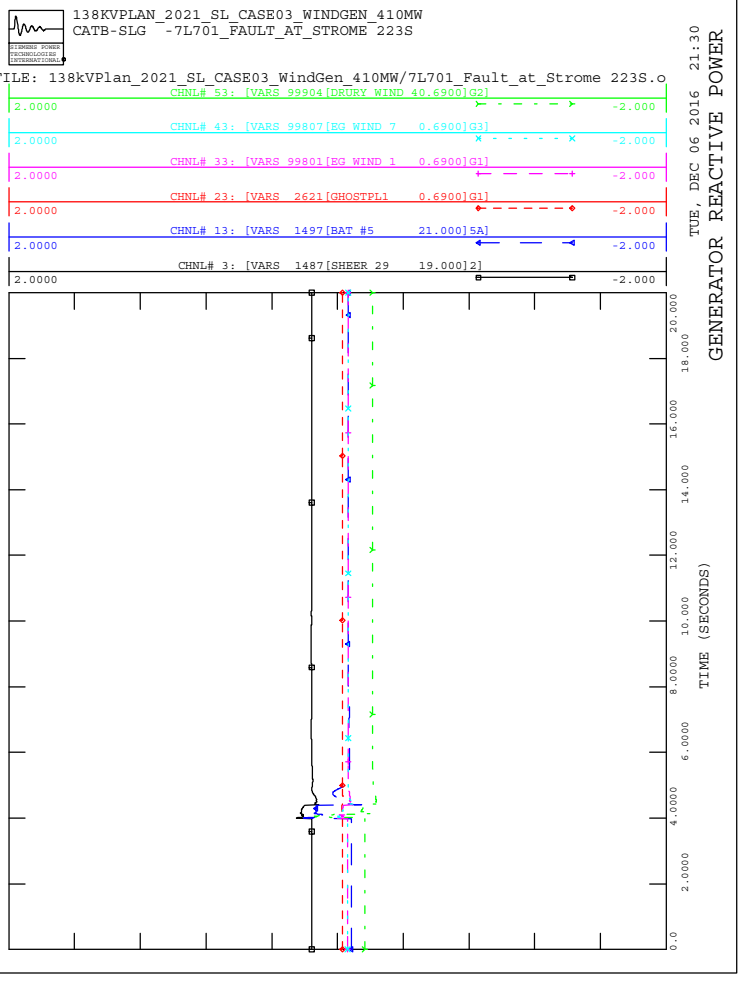
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)

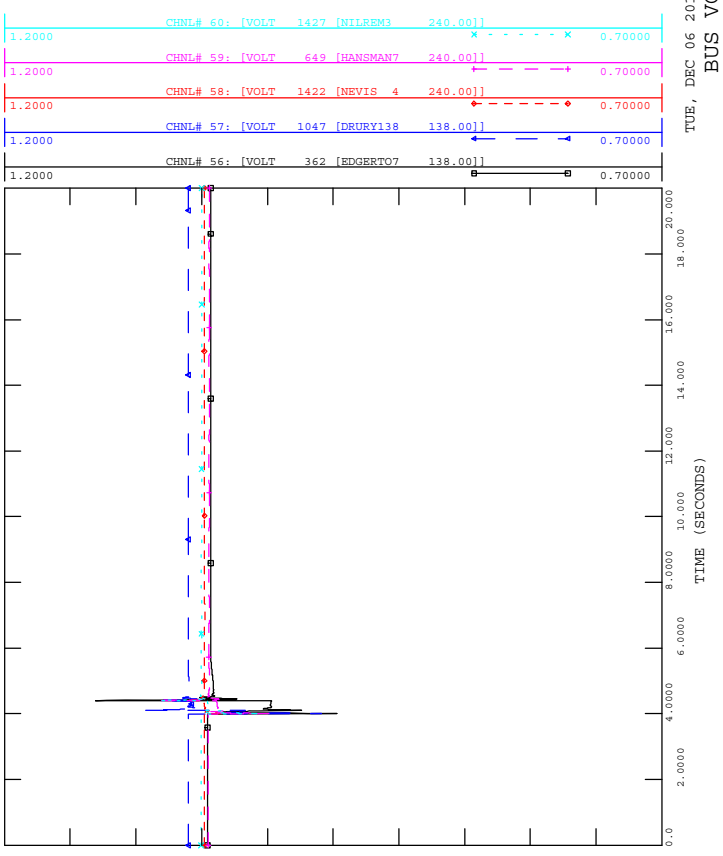

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

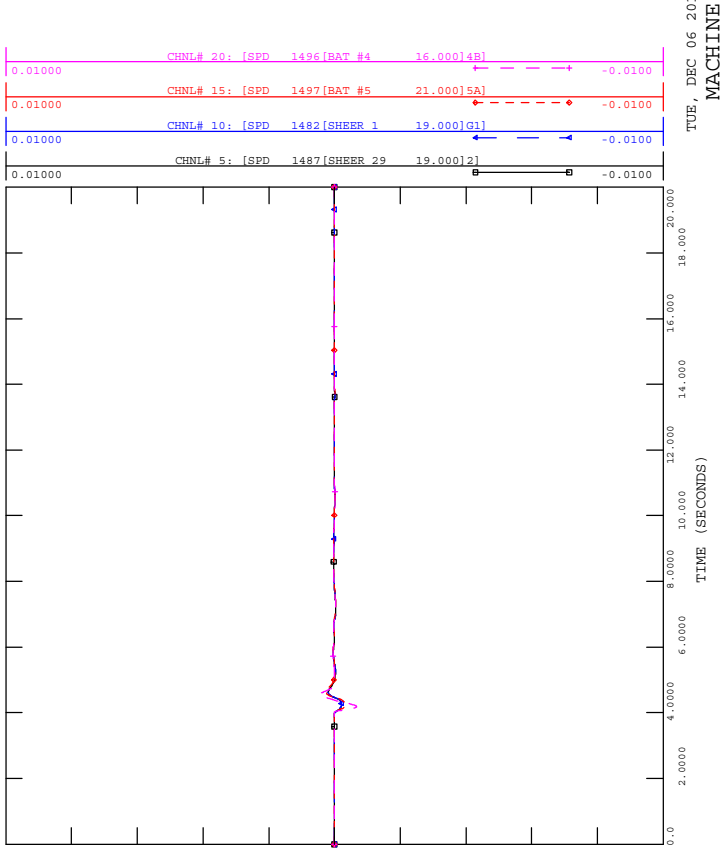
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster



TUE, DEC 06 2016 21:30
BUS VOLTAGE

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

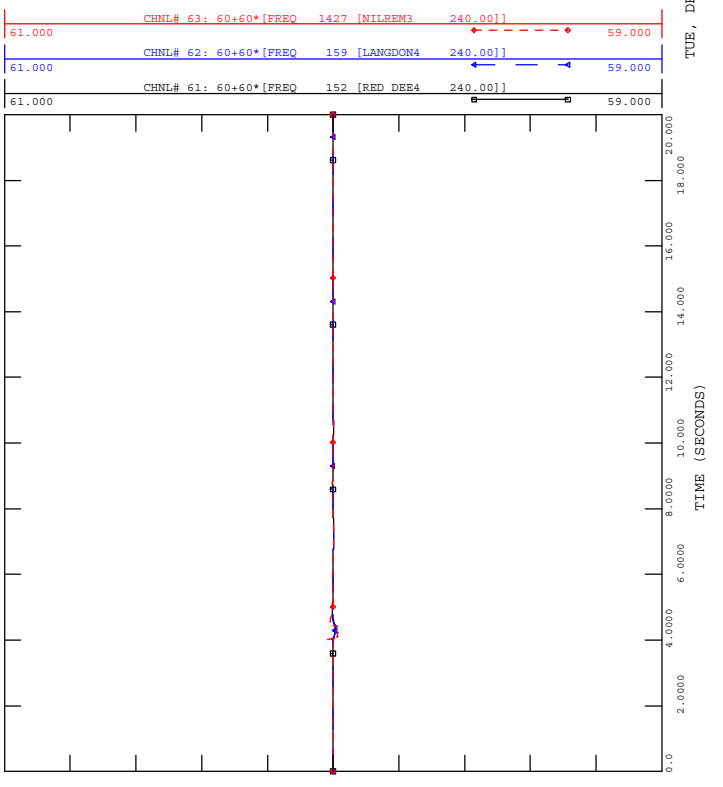
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster



TUE, DEC 06 2016 21:30
MACHINE SPEED

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

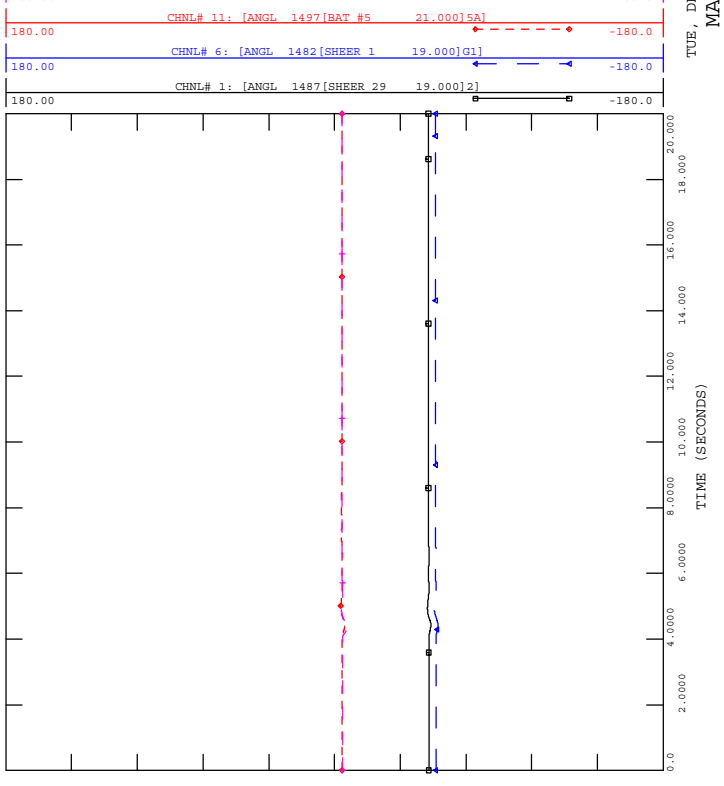
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster



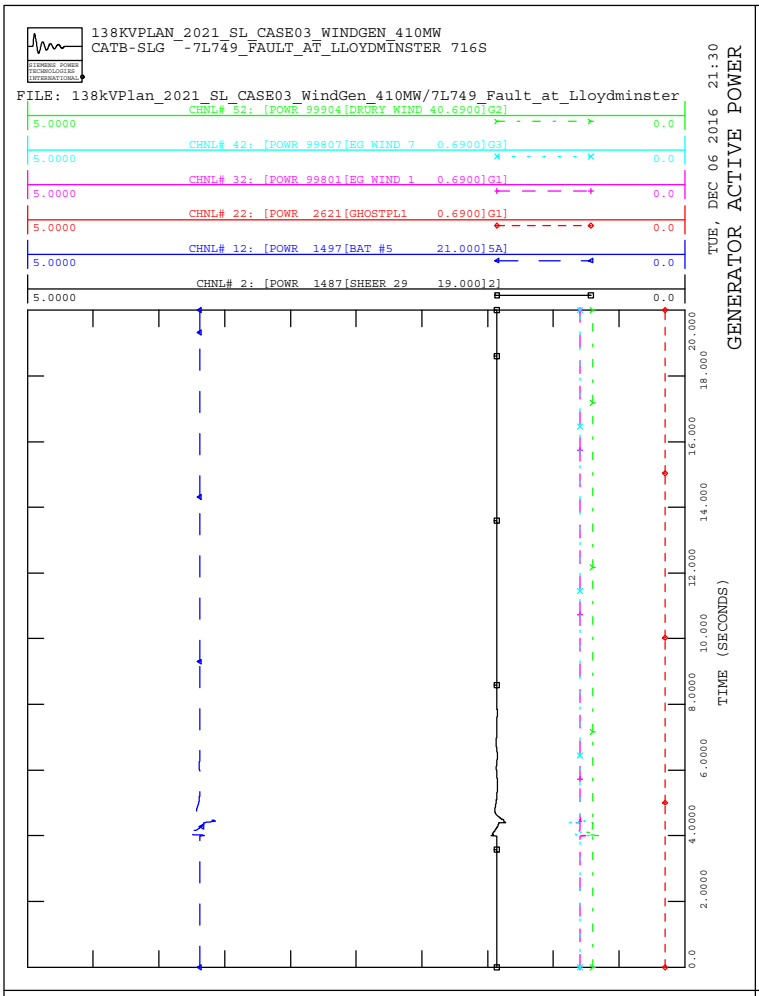
TUE, DEC 06 2016 21:30
FREQUENCY

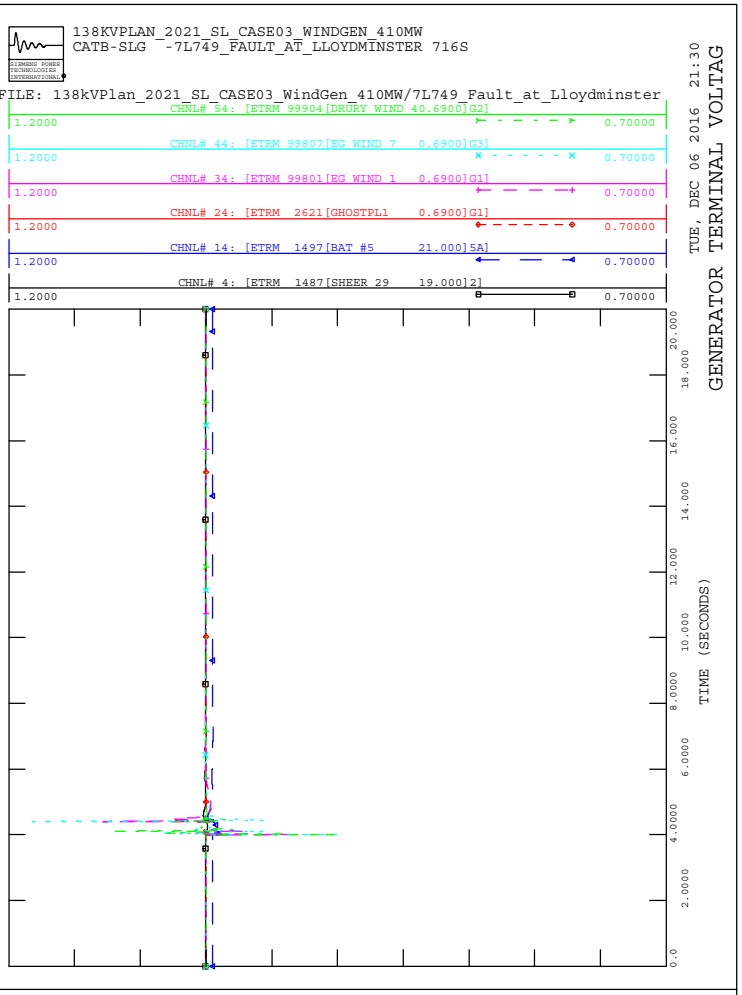
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

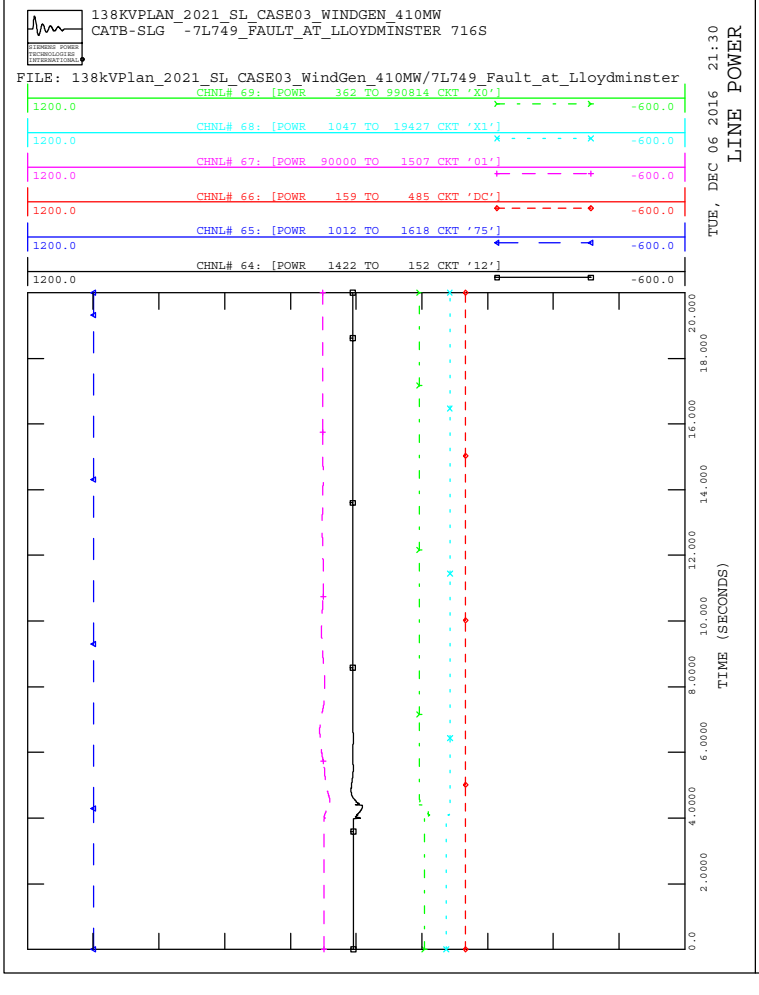
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster

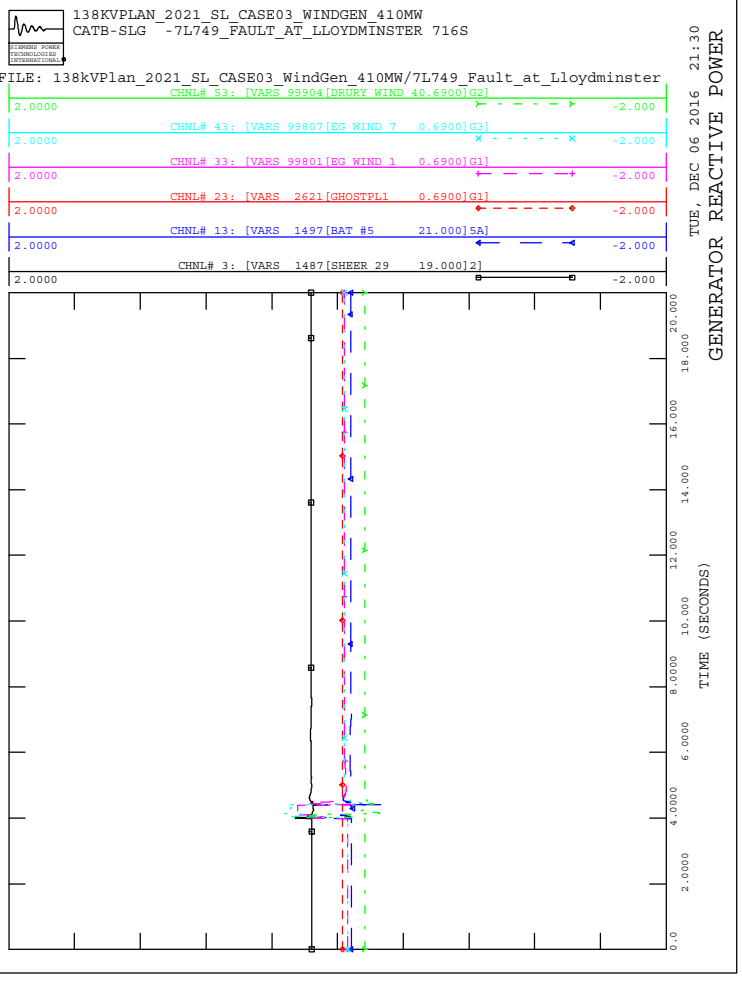


TUE, DEC 06 2016 21:30
MACHINE ANGLE


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)

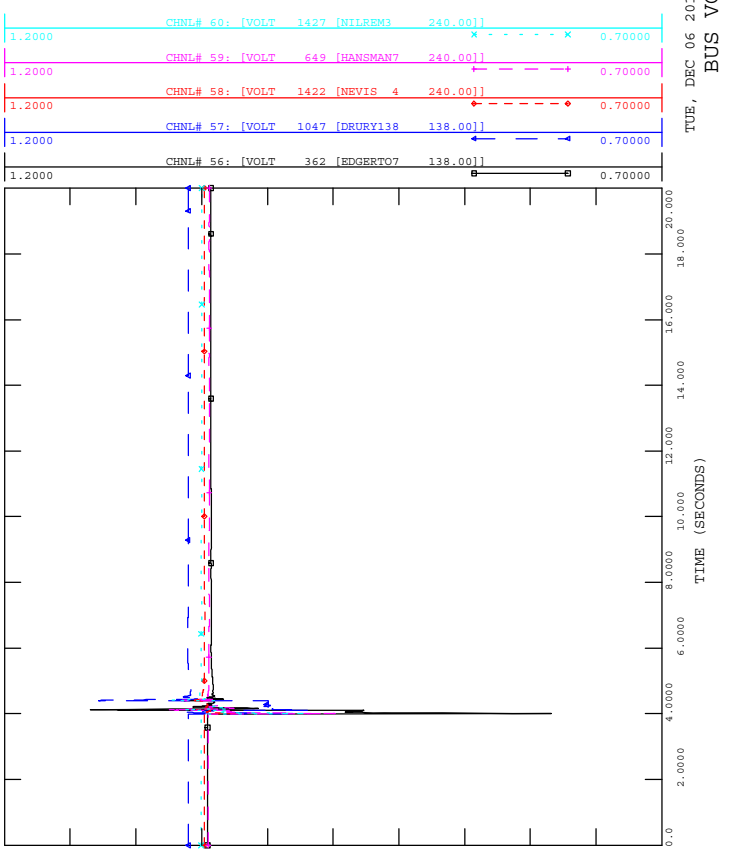

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:30

BUS VOLTAGE

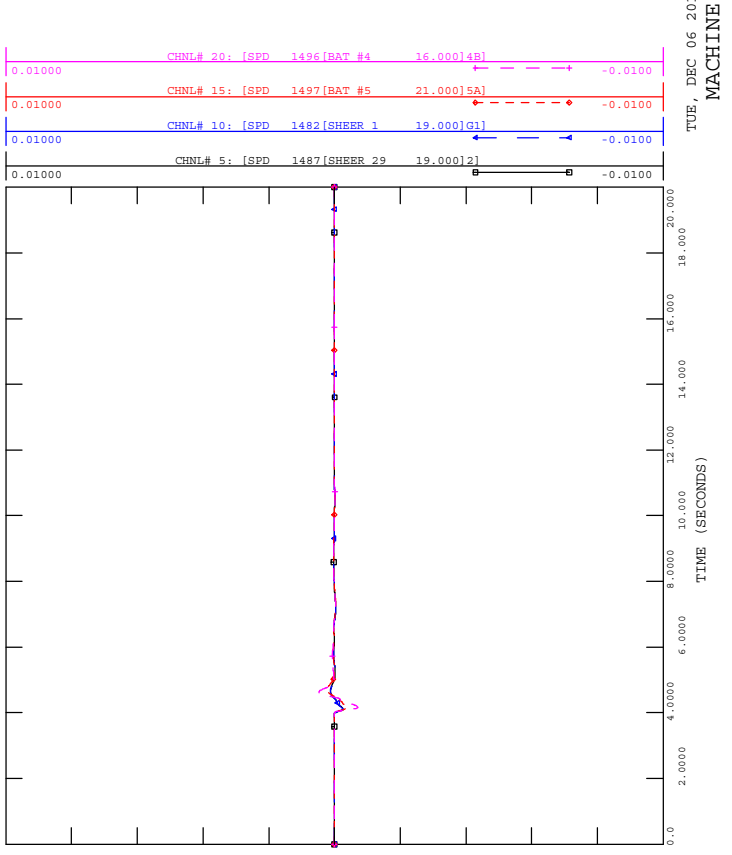


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:30

MACHINE SPEED

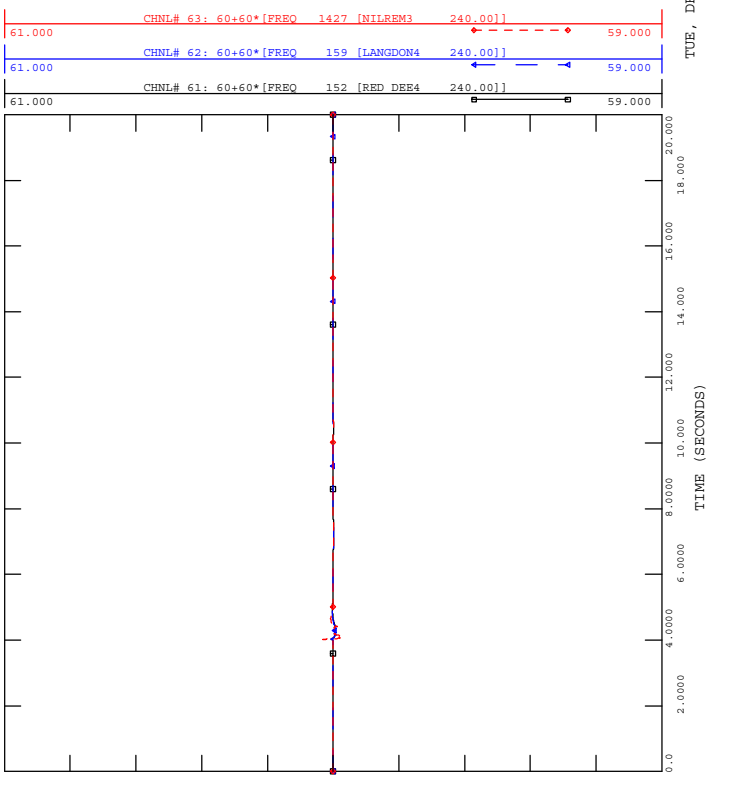


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:30

FREQUENCY

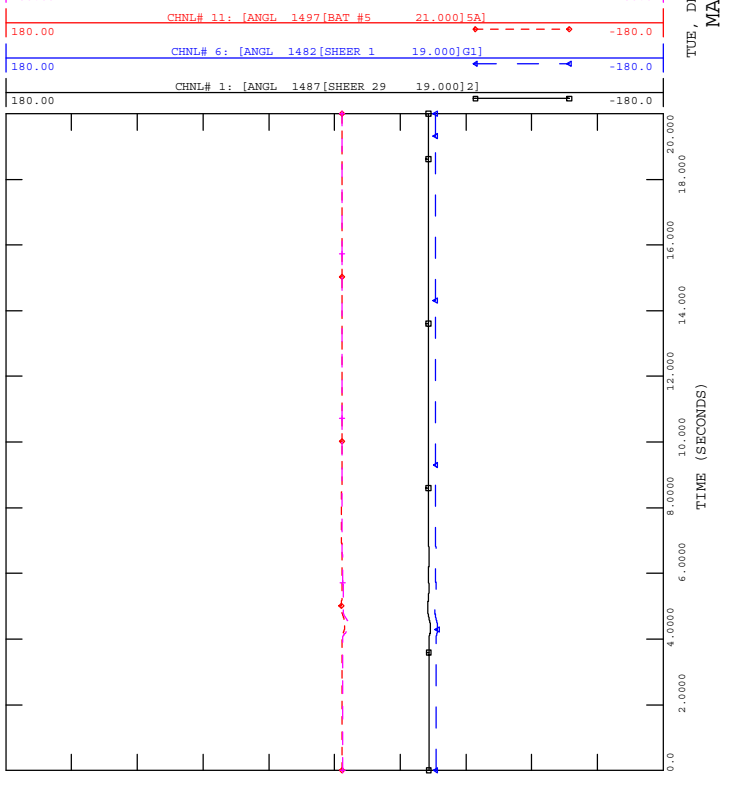


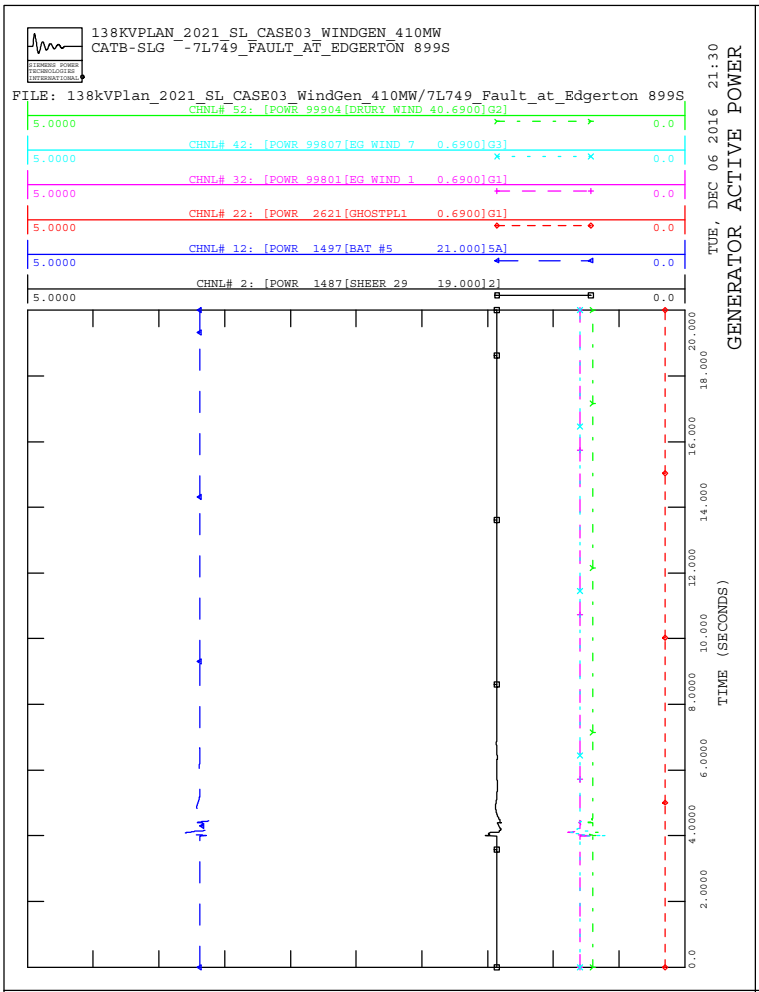
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

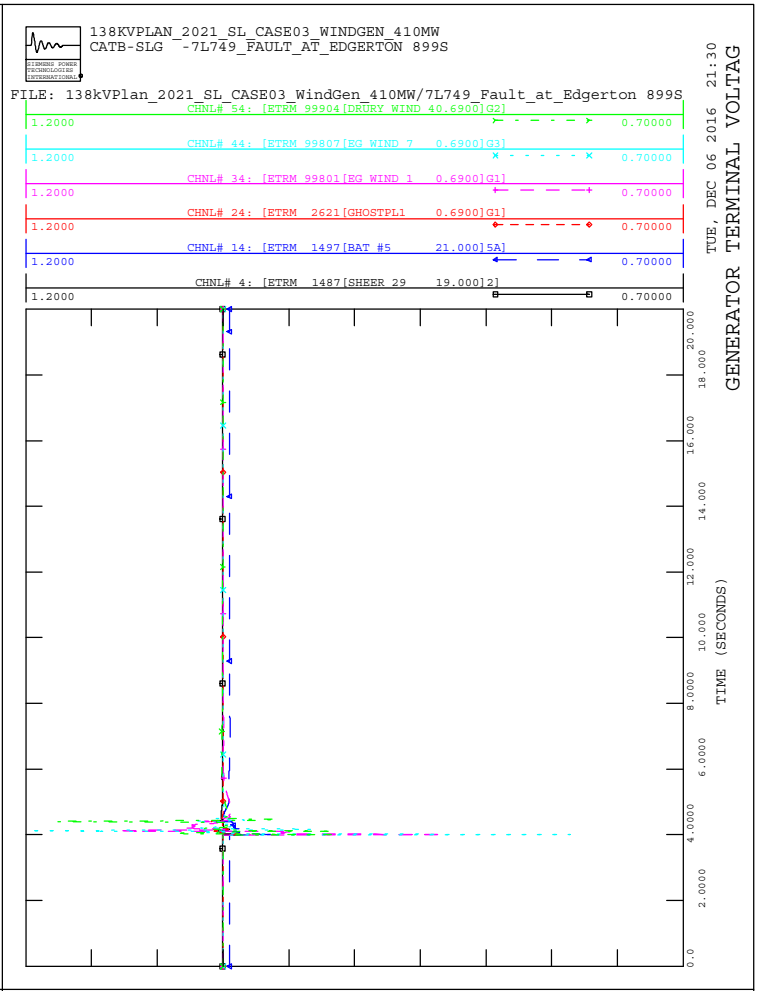
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S

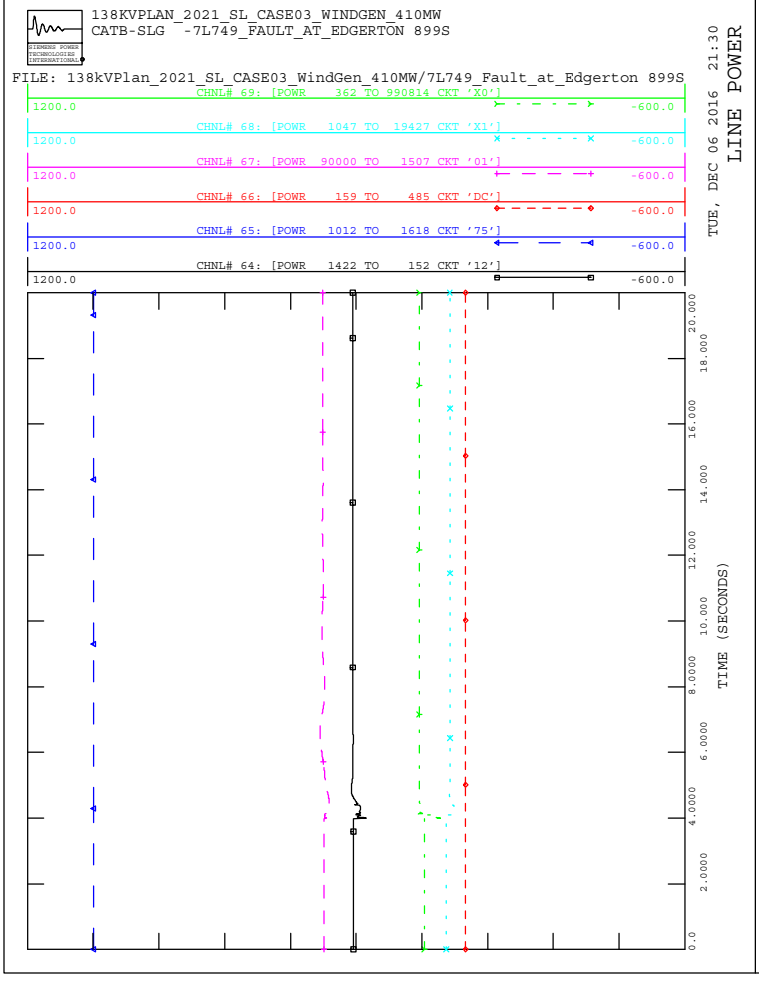
TUE, DEC 06 2016 21:30

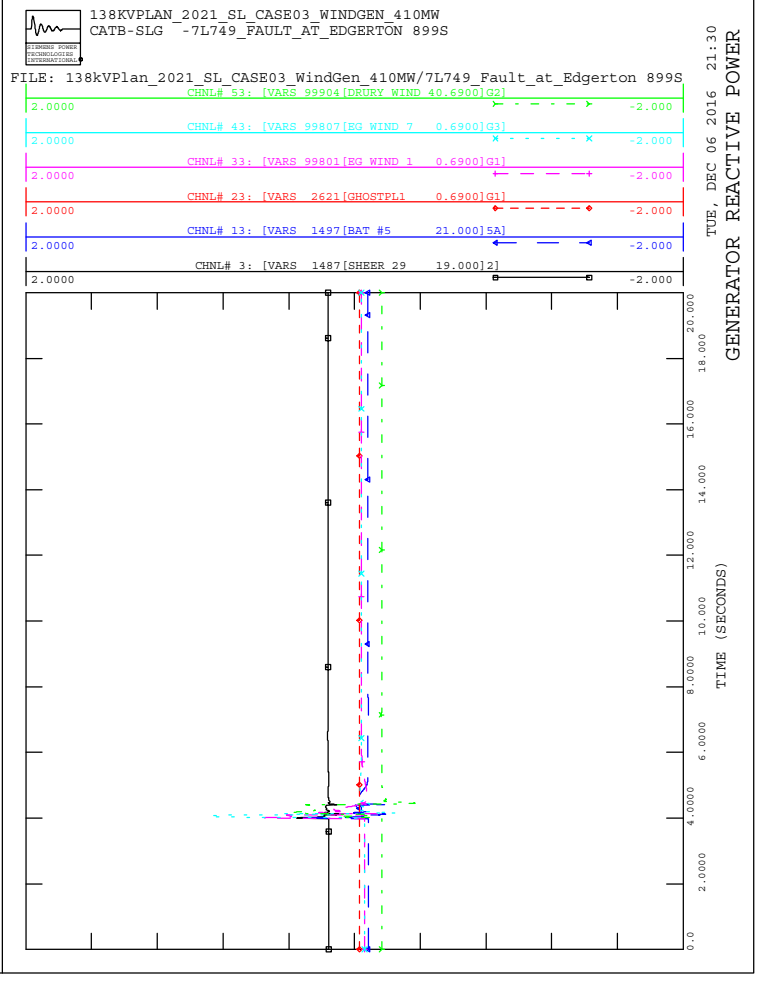
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)

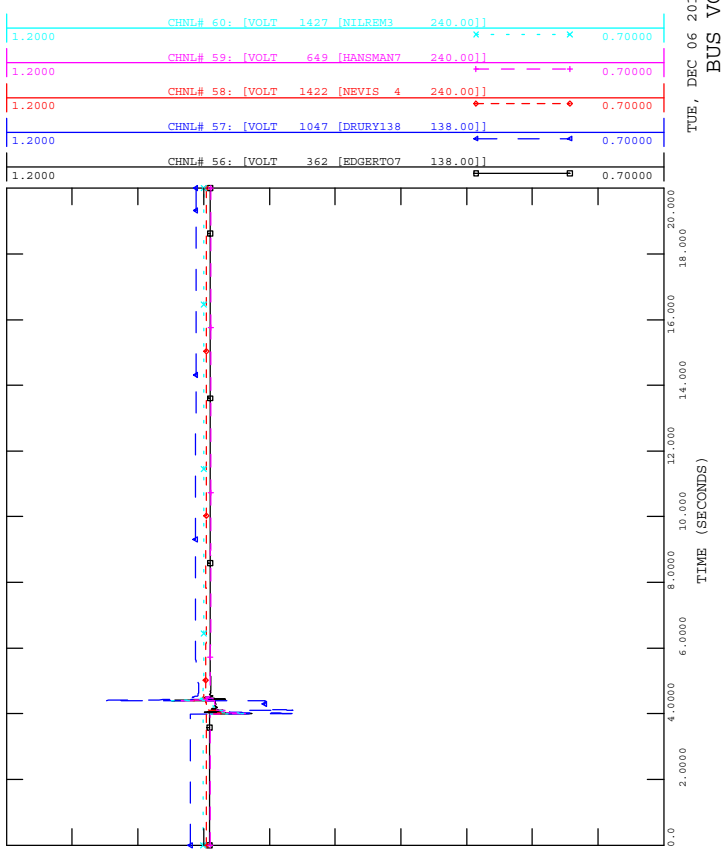

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3

TUE, DEC 06 2016 21:30

BUS VOLTAGE

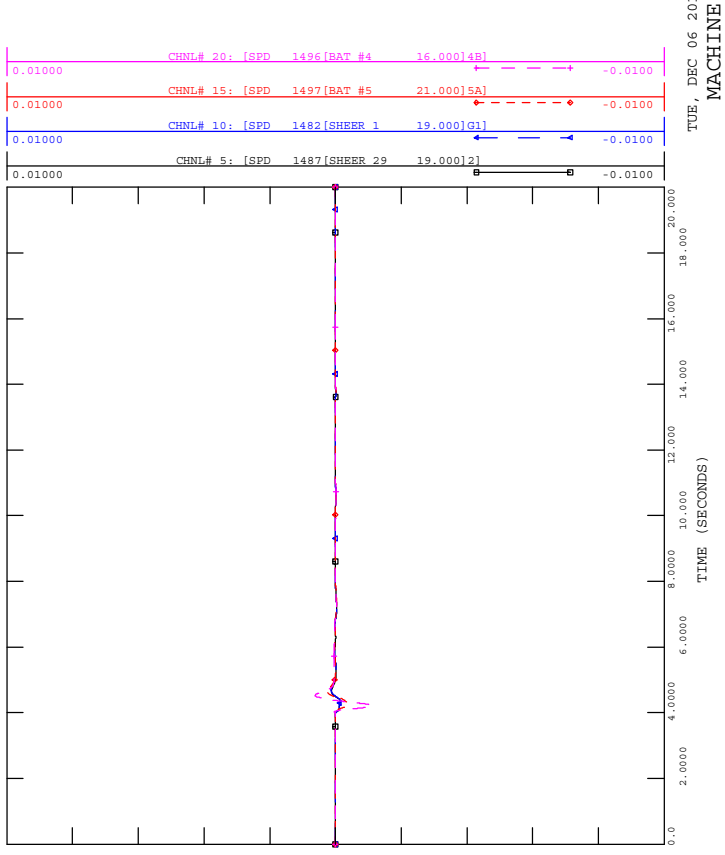


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3

TUE, DEC 06 2016 21:30

MACHINE SPEED

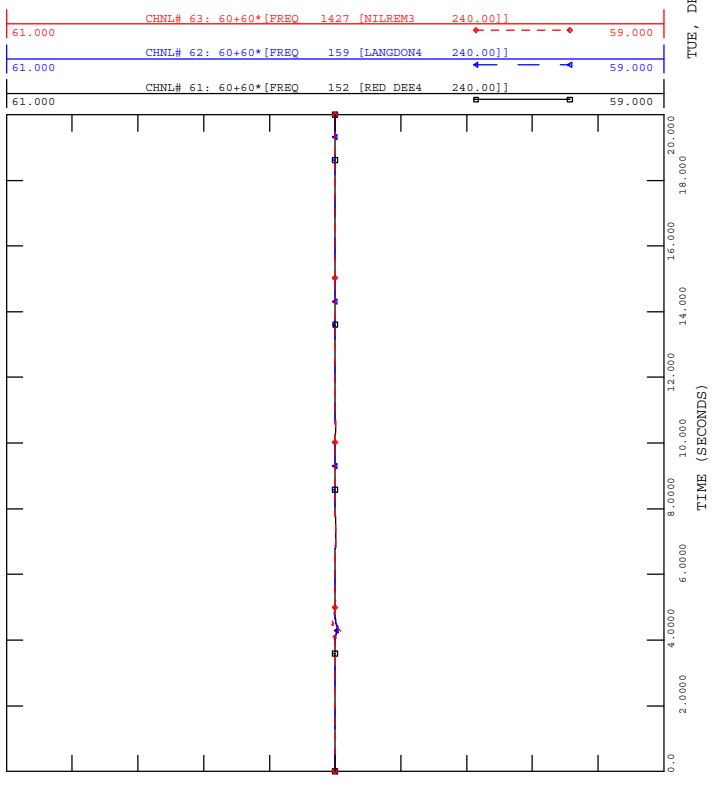


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3

TUE, DEC 06 2016 21:30

FREQUENCY

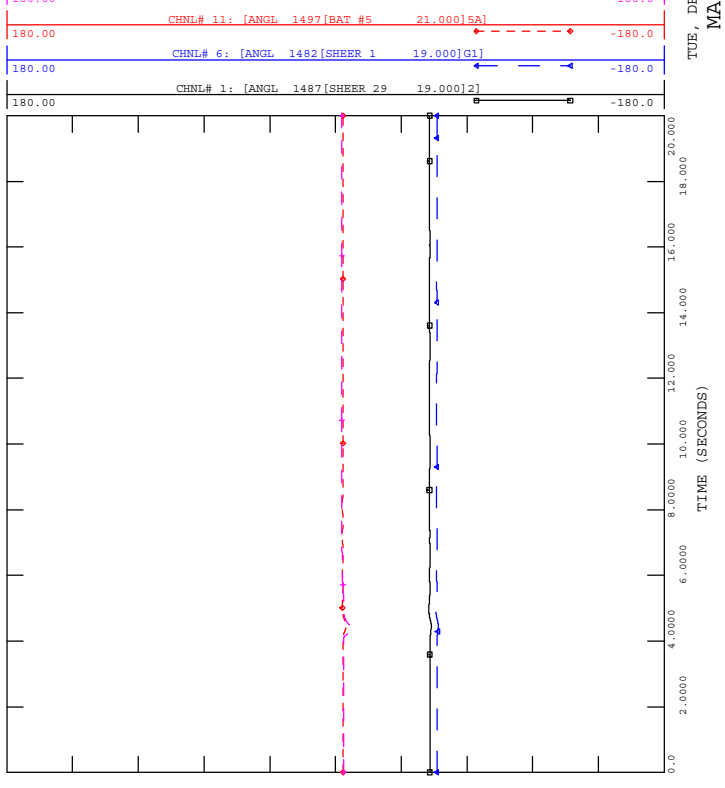


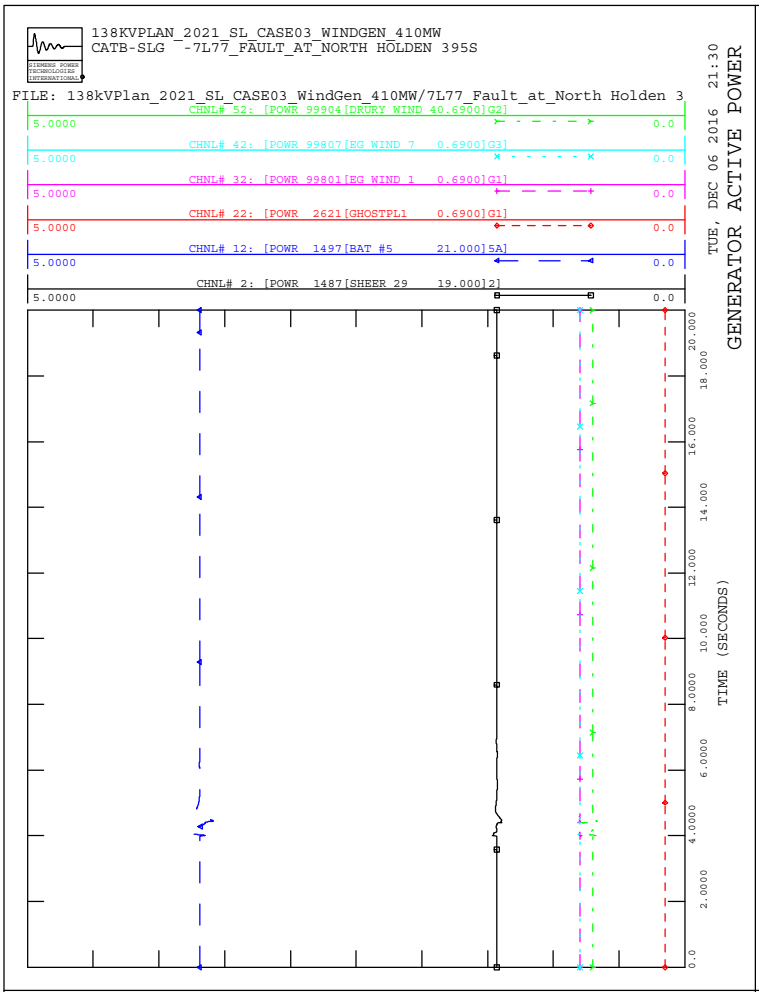
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

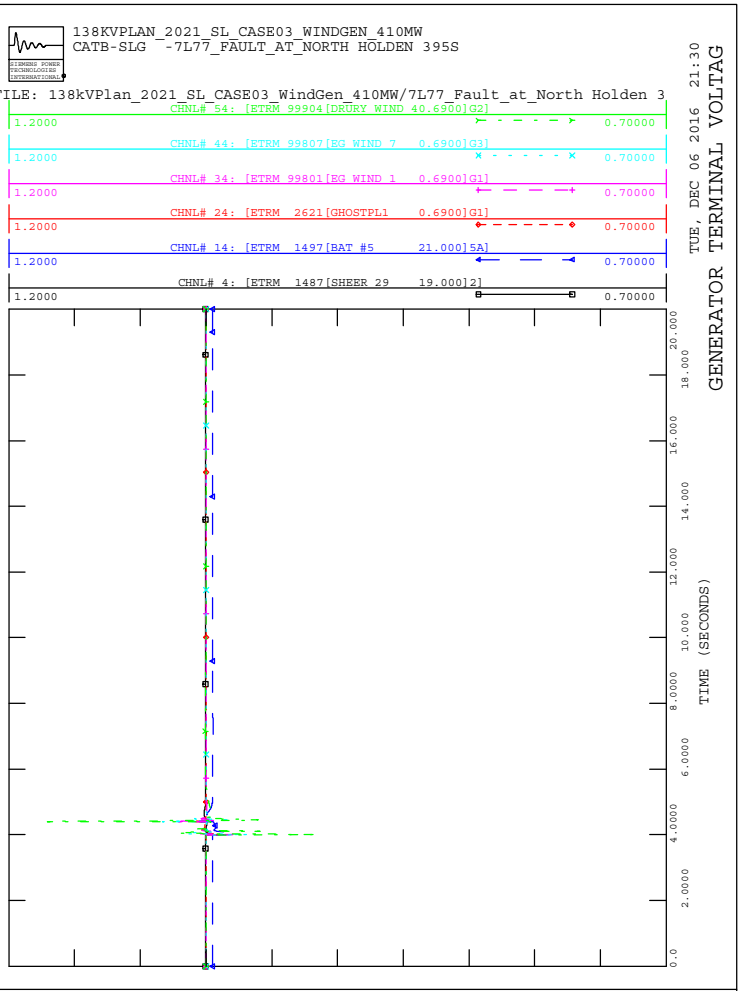
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3

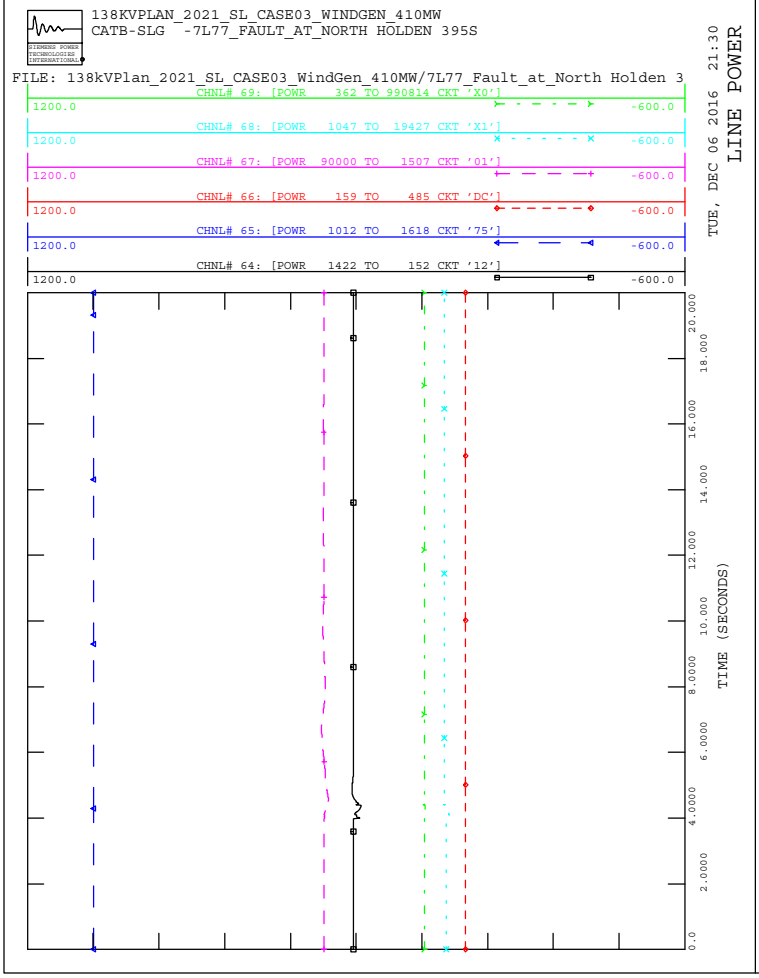
TUE, DEC 06 2016 21:30

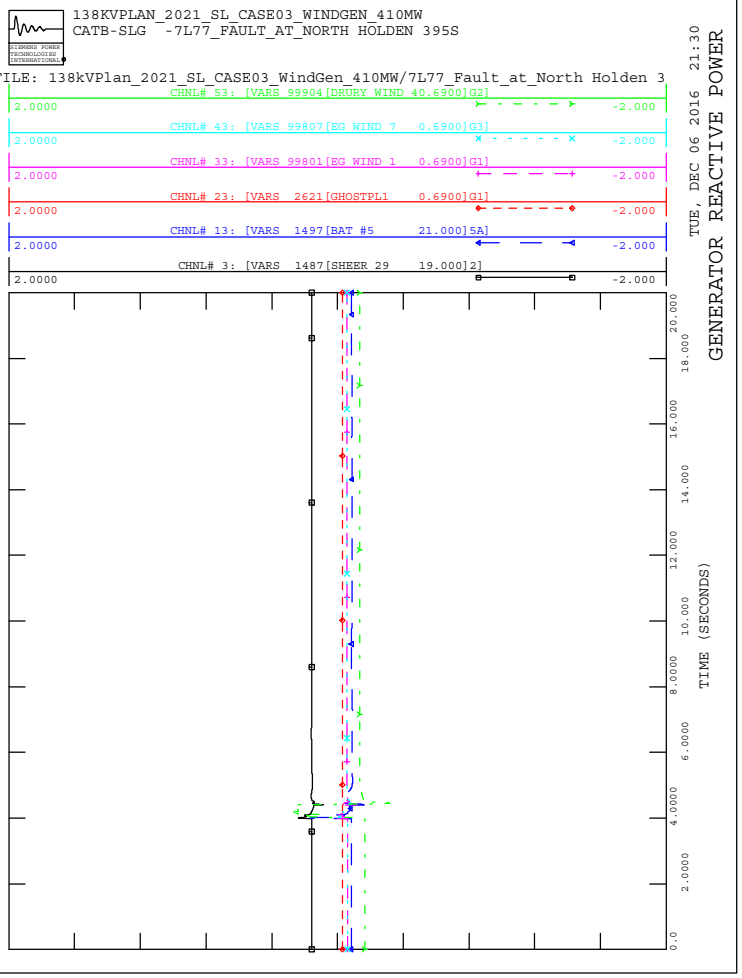
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

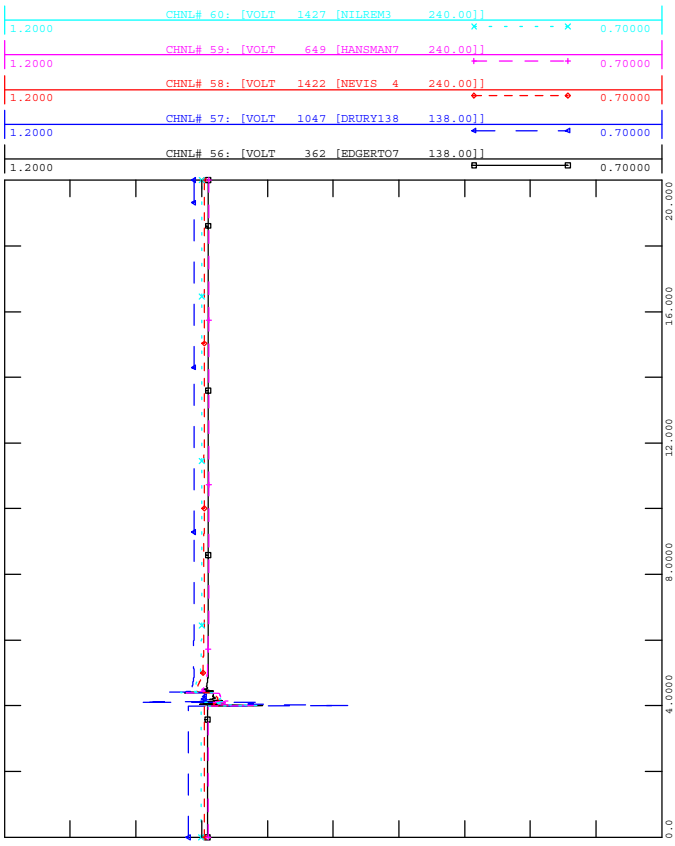

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:30

BUS VOLTAGE

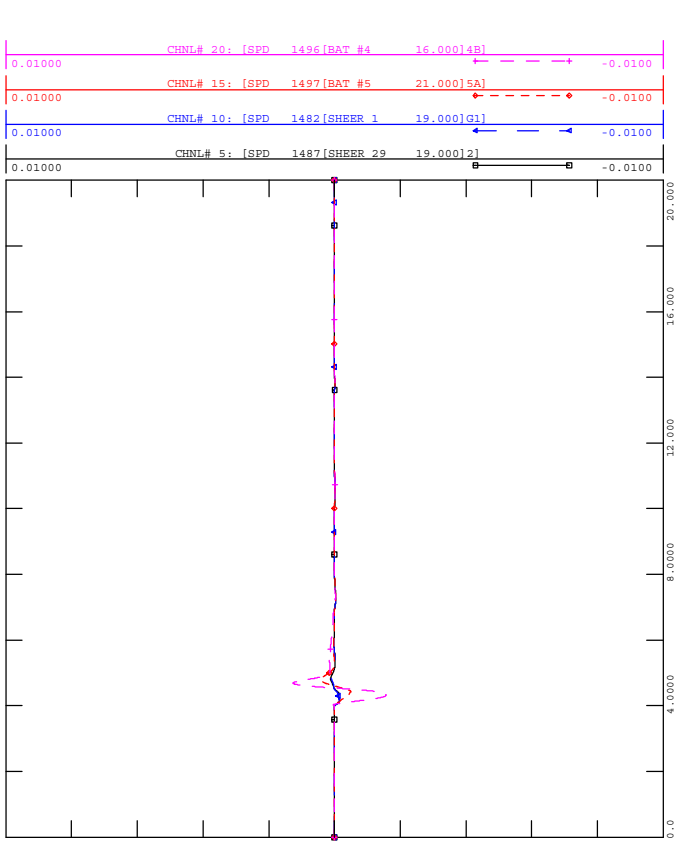


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:30

MACHINE SPEED

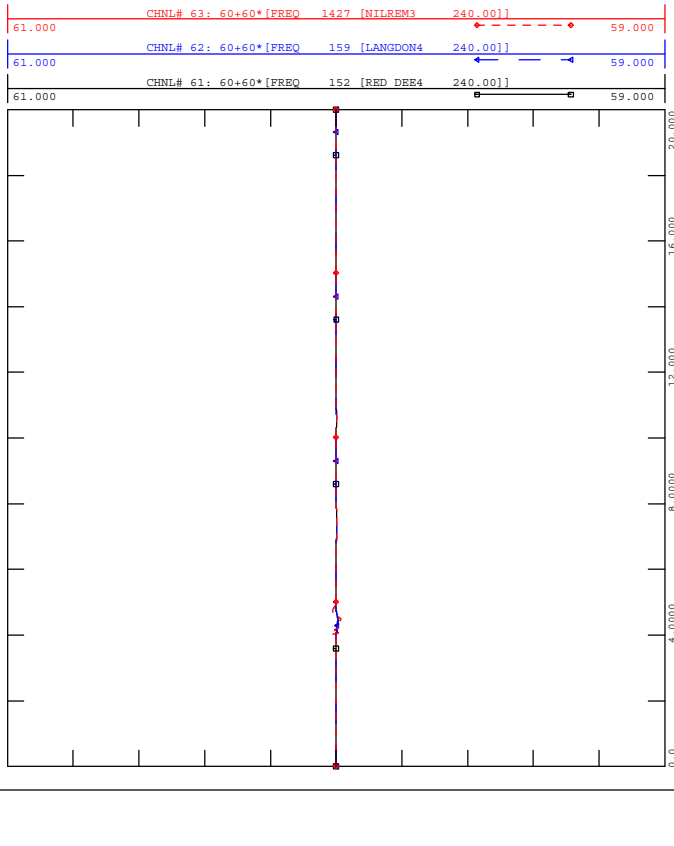


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:30

FREQUENCY

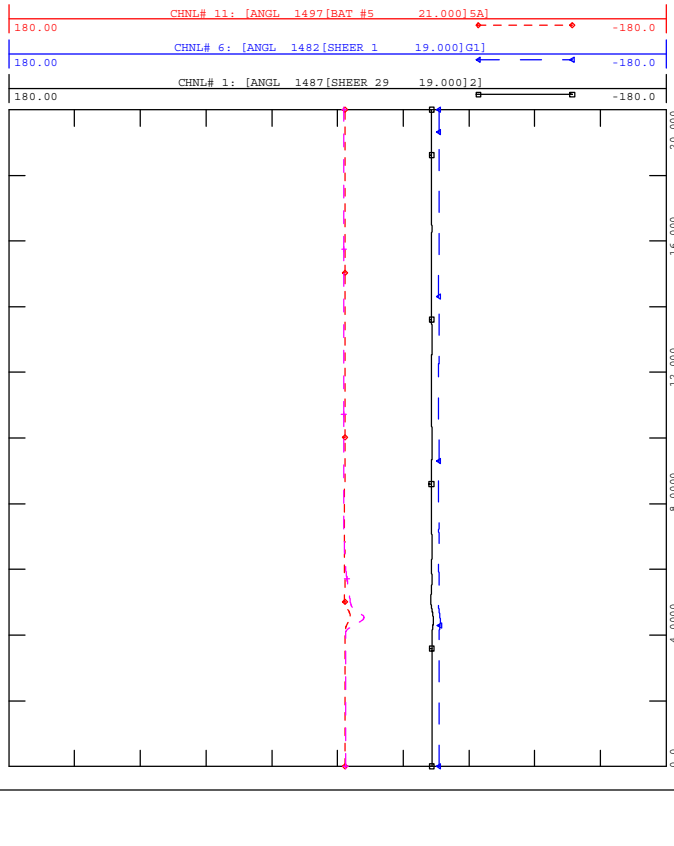


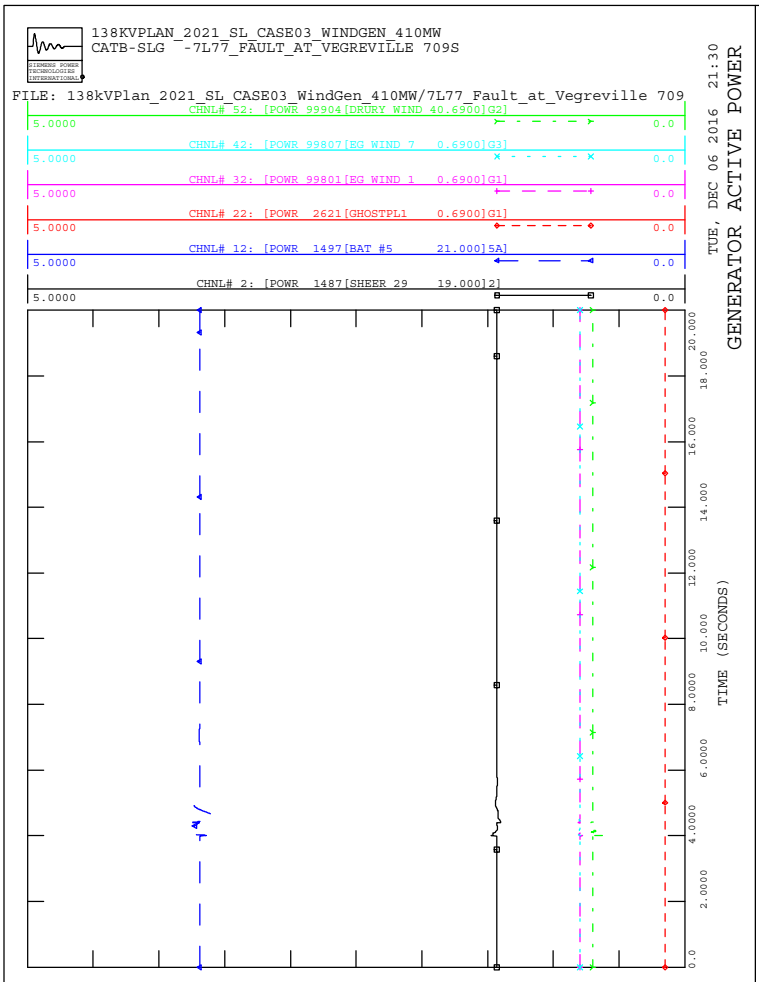
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

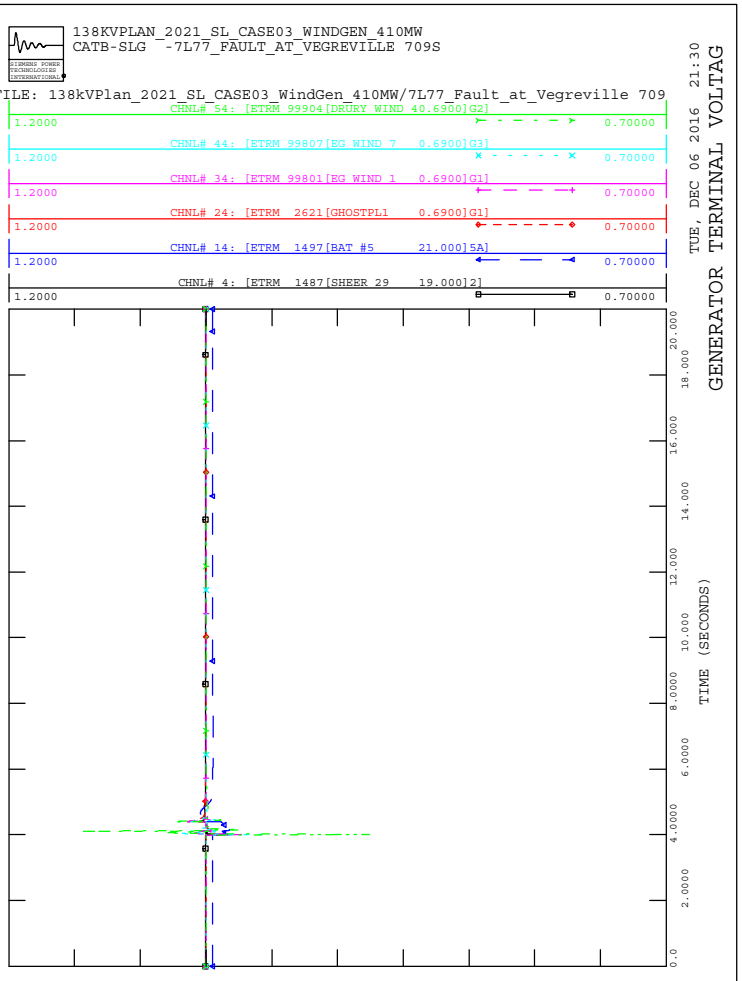
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:30

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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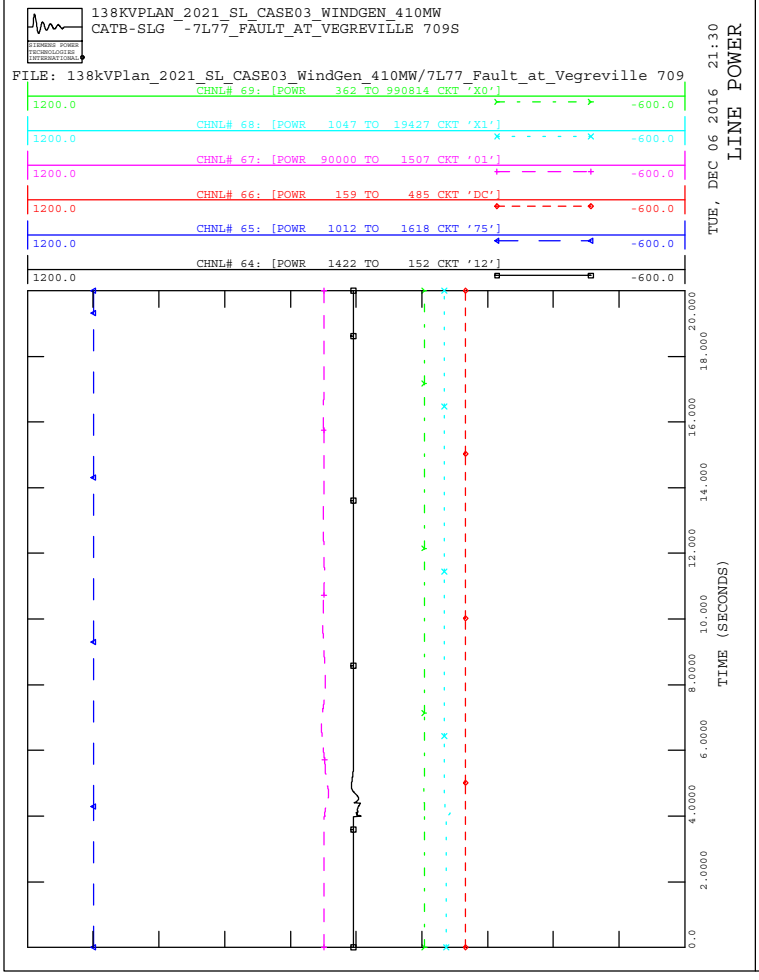
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
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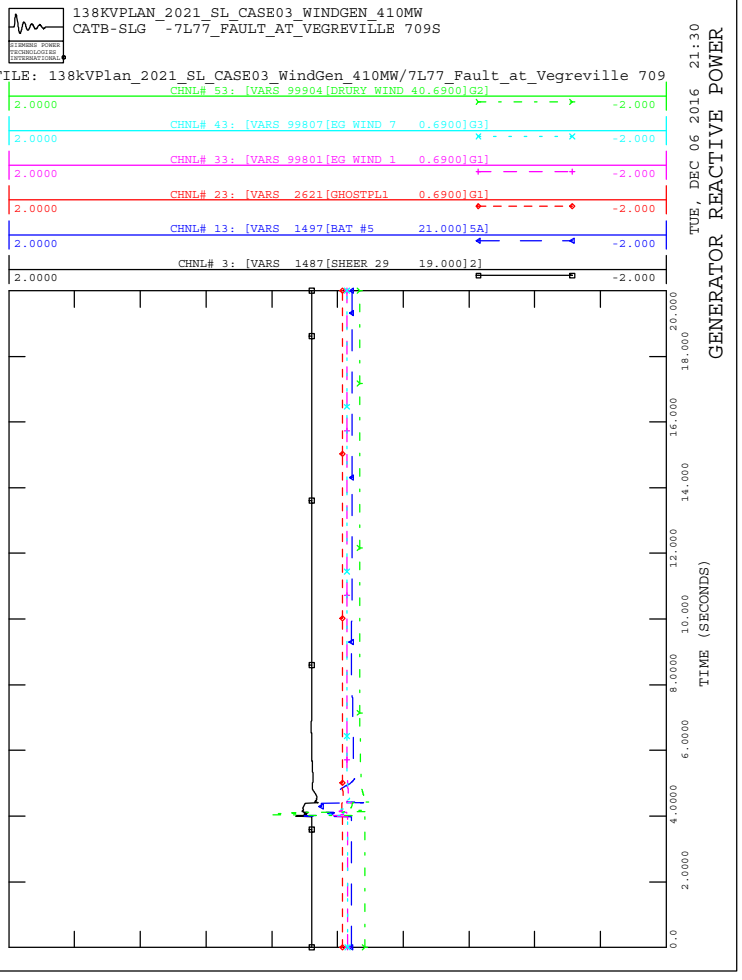
16.000
18.000
20.000

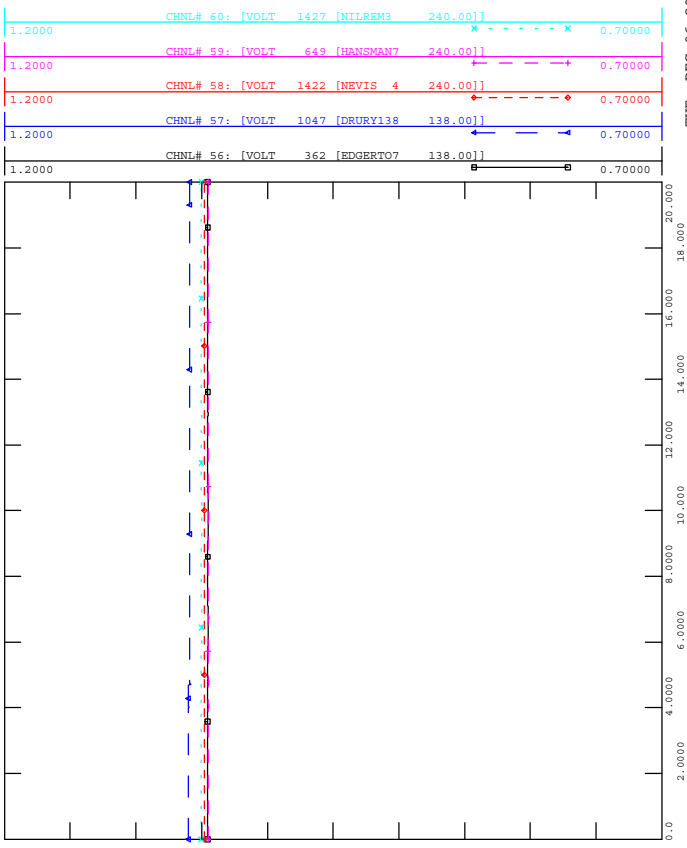

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:30

BUS VOLTAGE

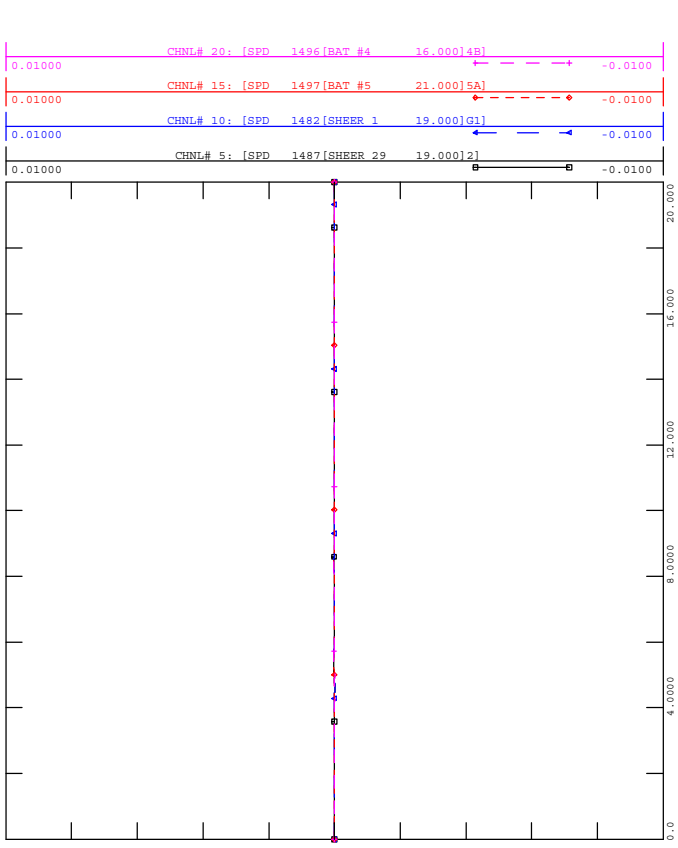


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:30

MACHINE SPEED

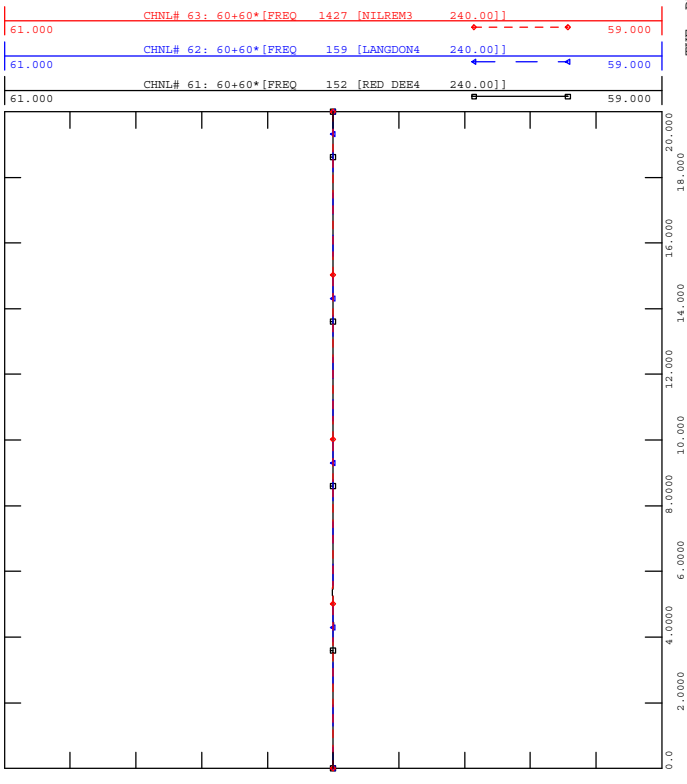


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:30

FREQUENCY

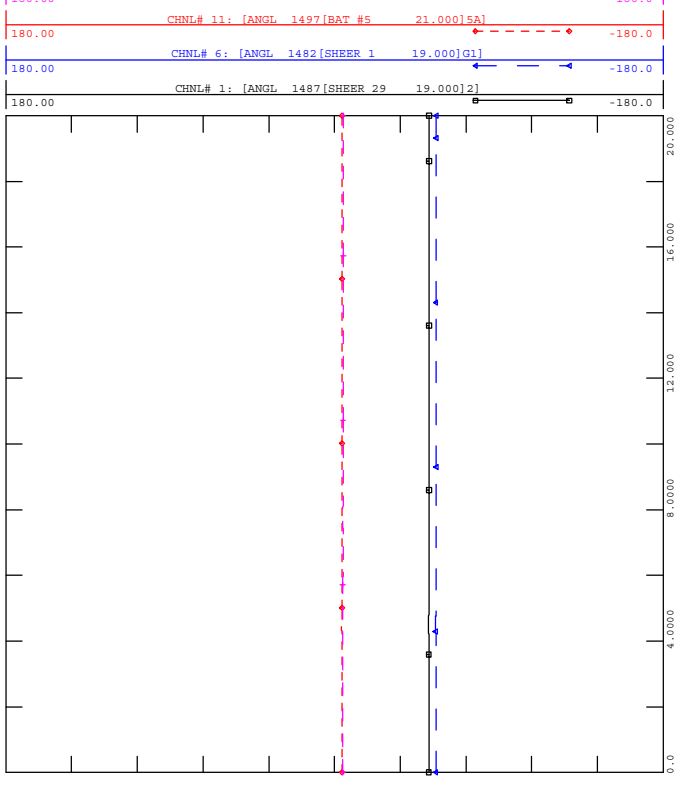


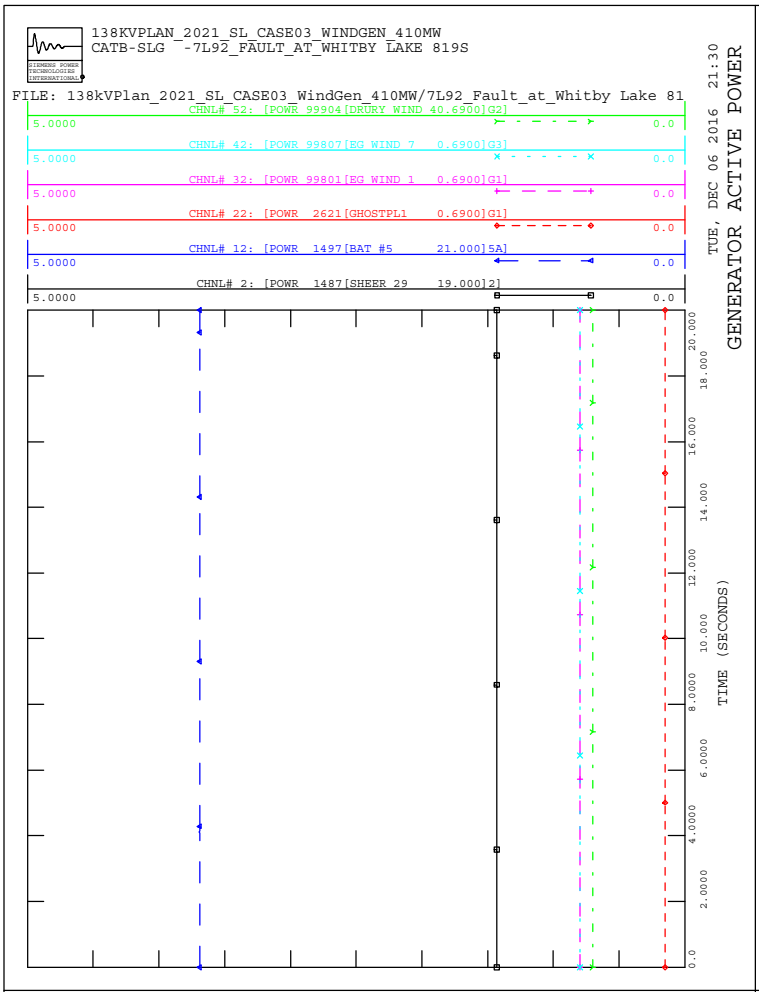
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

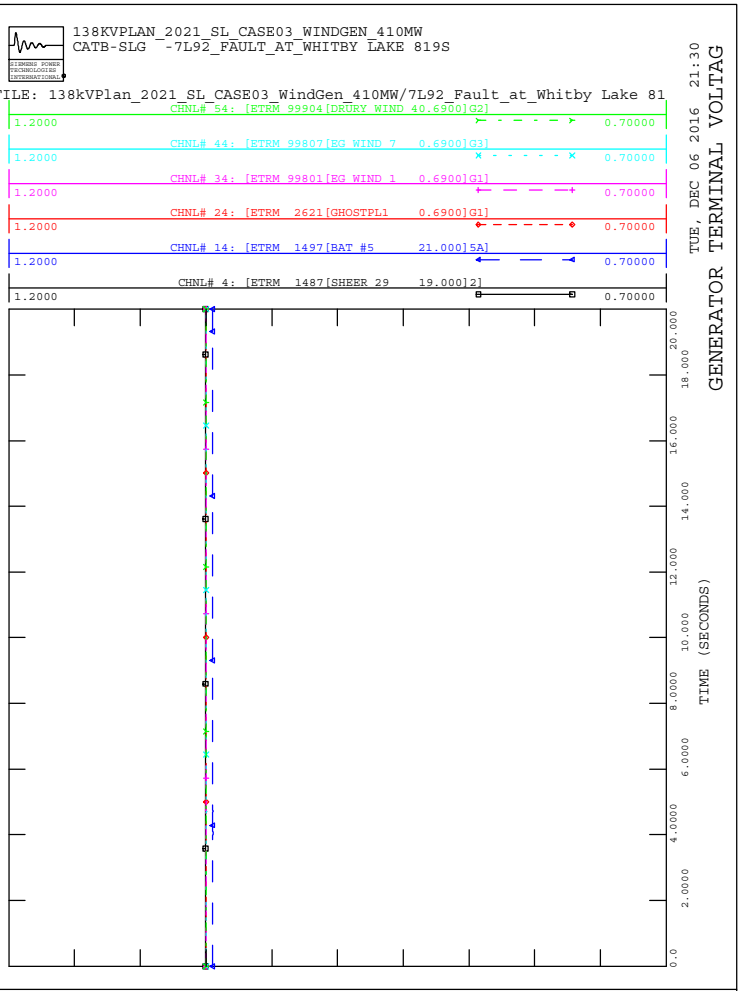
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:30

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
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4.0000
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8.0000
10.000
12.000
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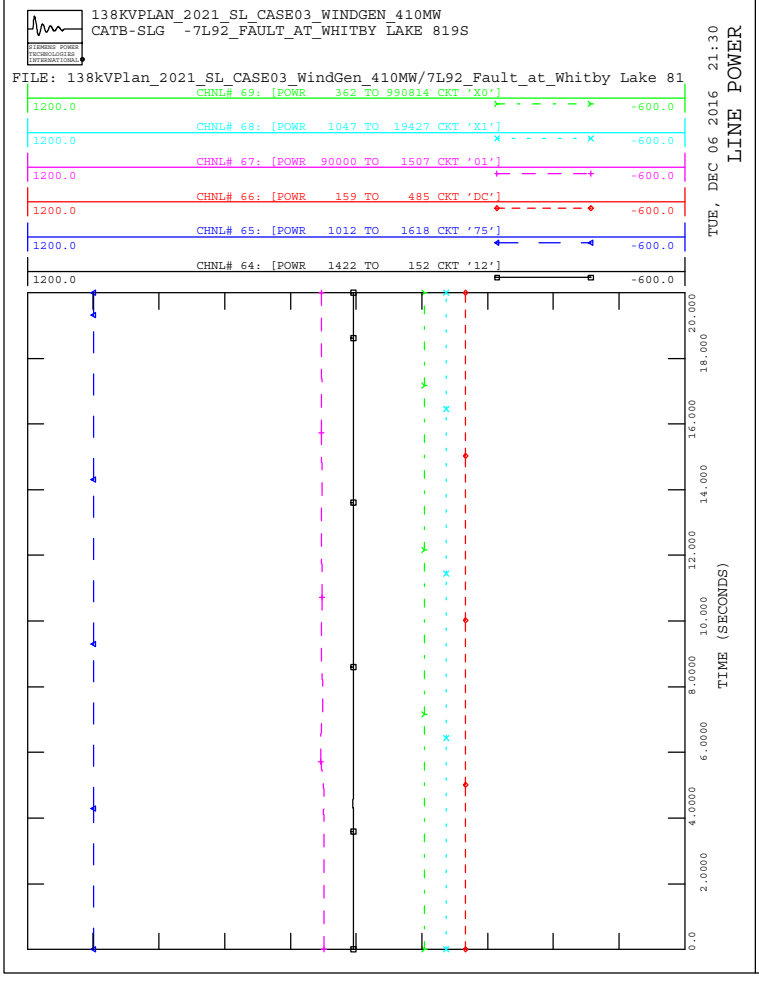
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
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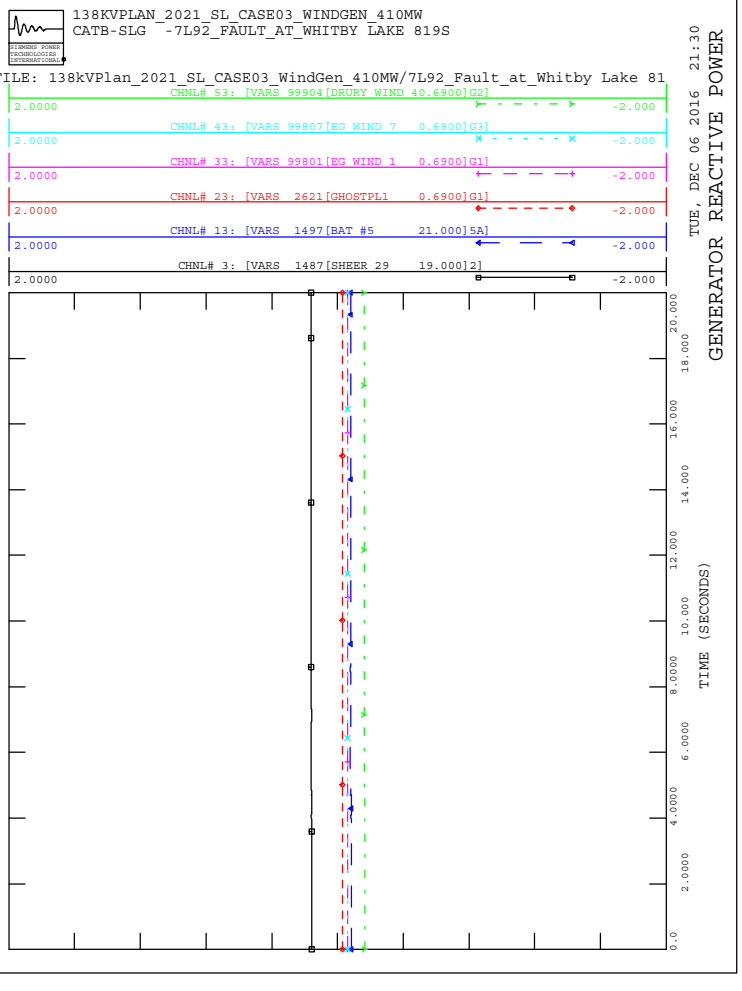
20.000

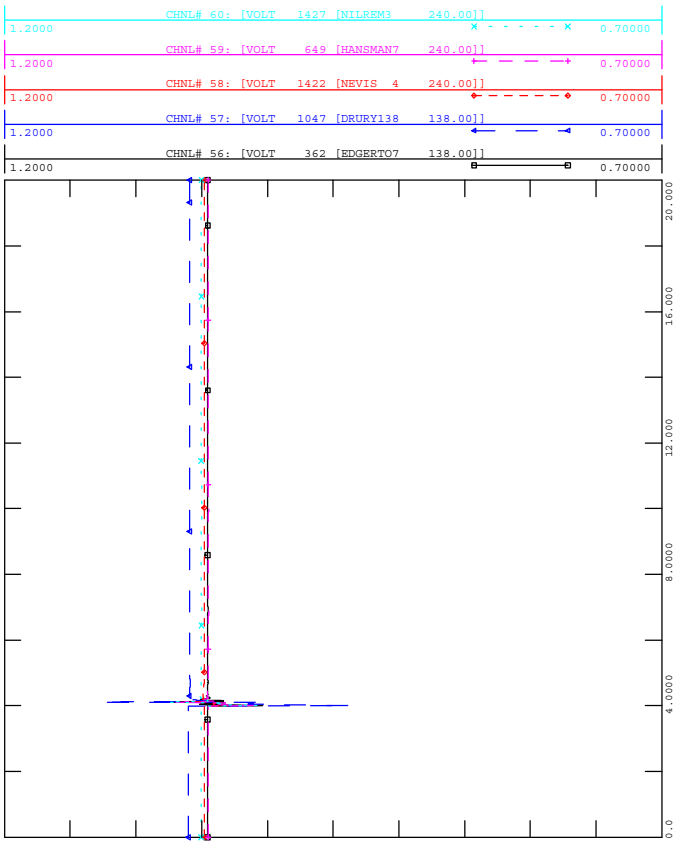

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:30

BUS VOLTAGE

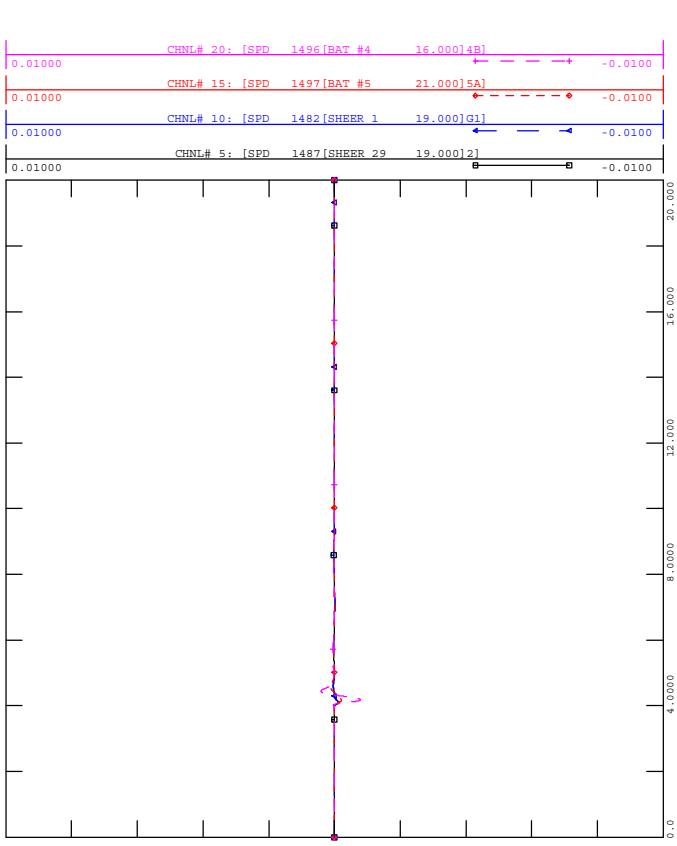


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:30

MACHINE SPEED

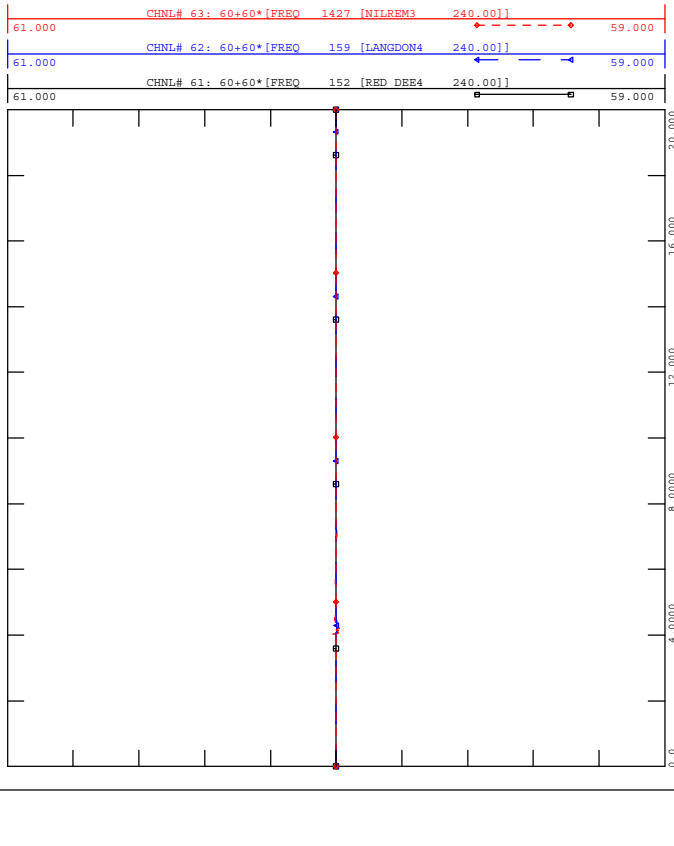


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:30

FREQUENCY



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709

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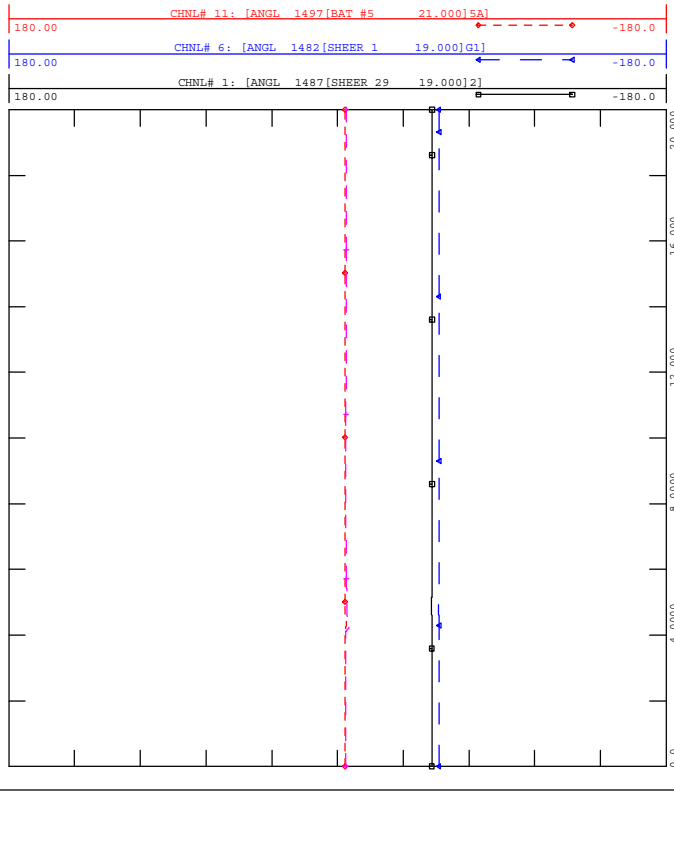
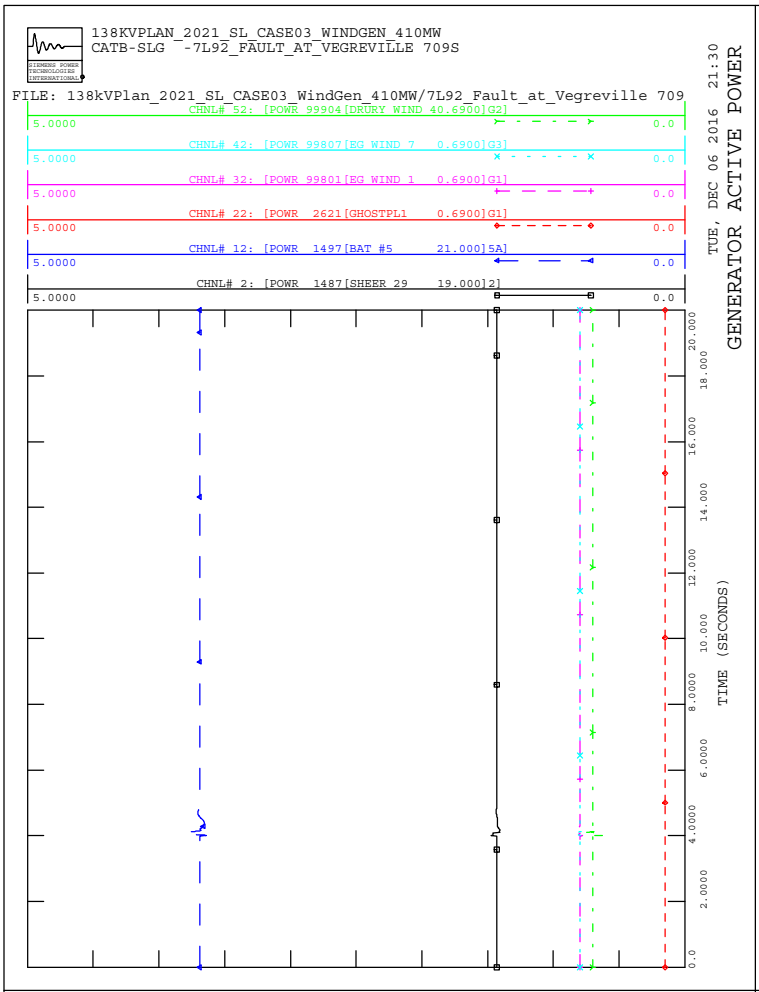
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
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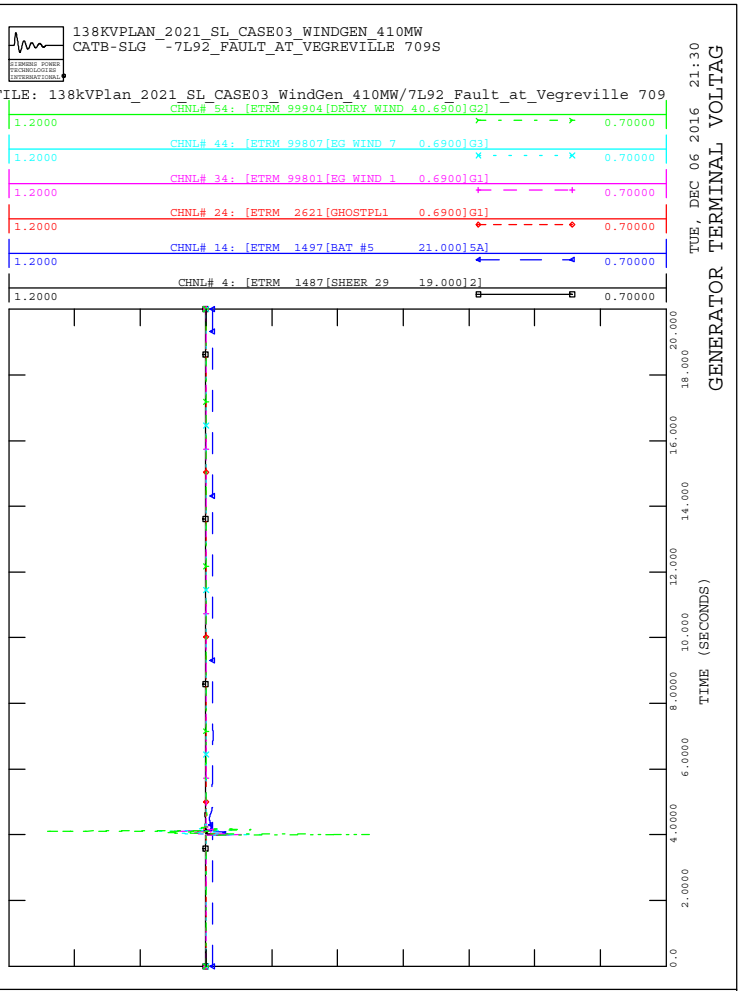
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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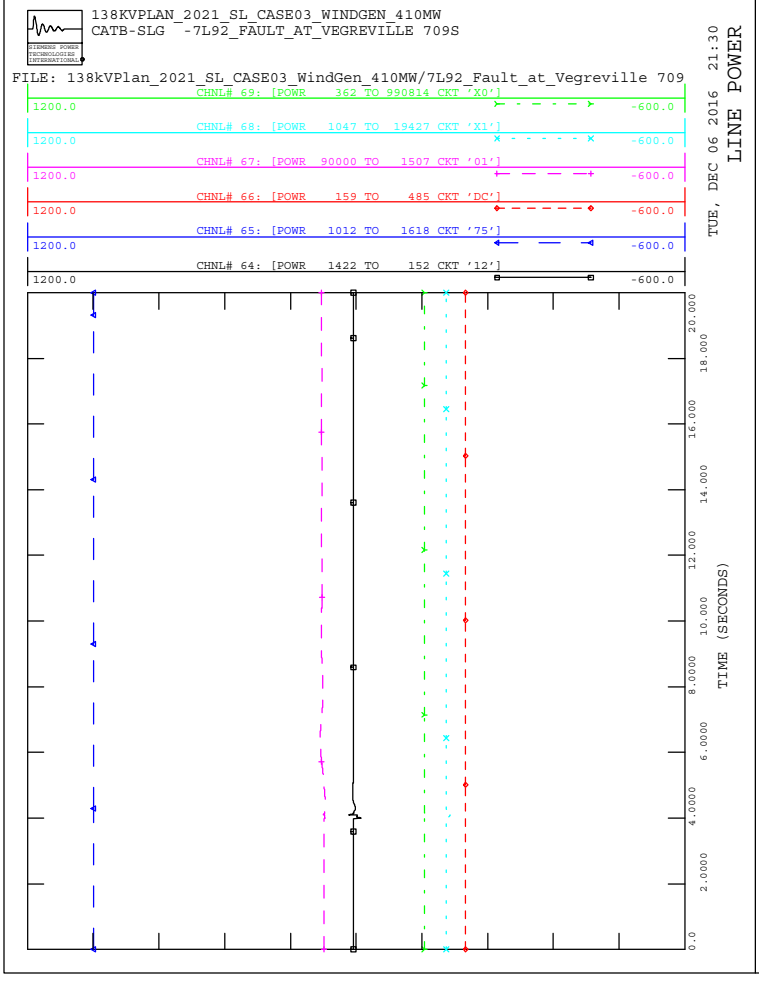
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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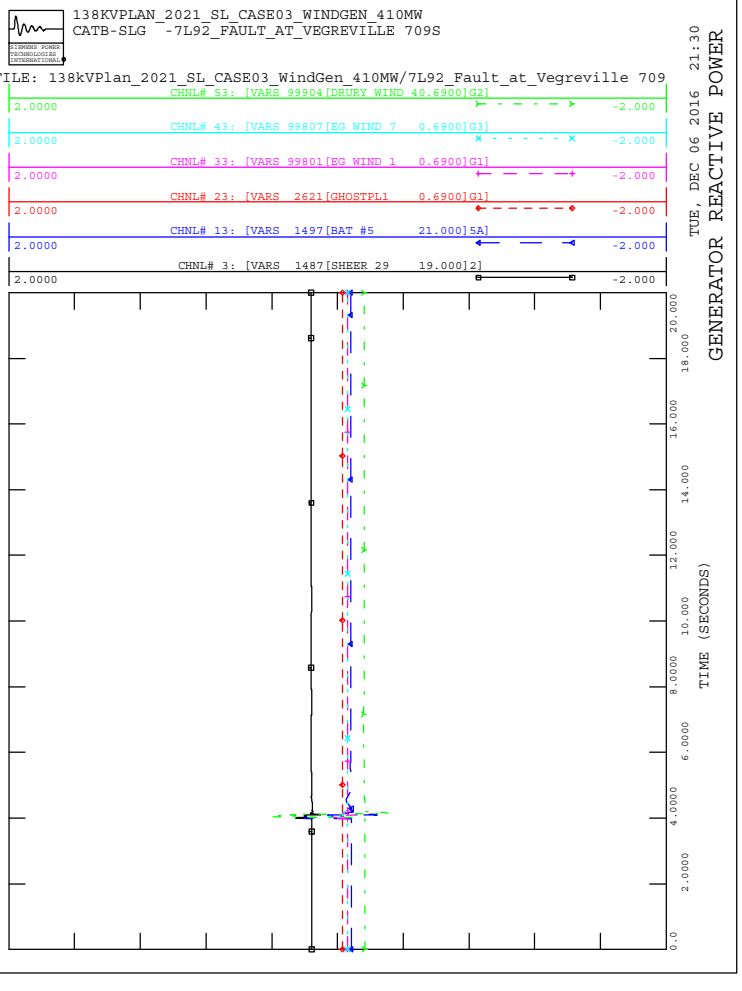
18.000
20.000

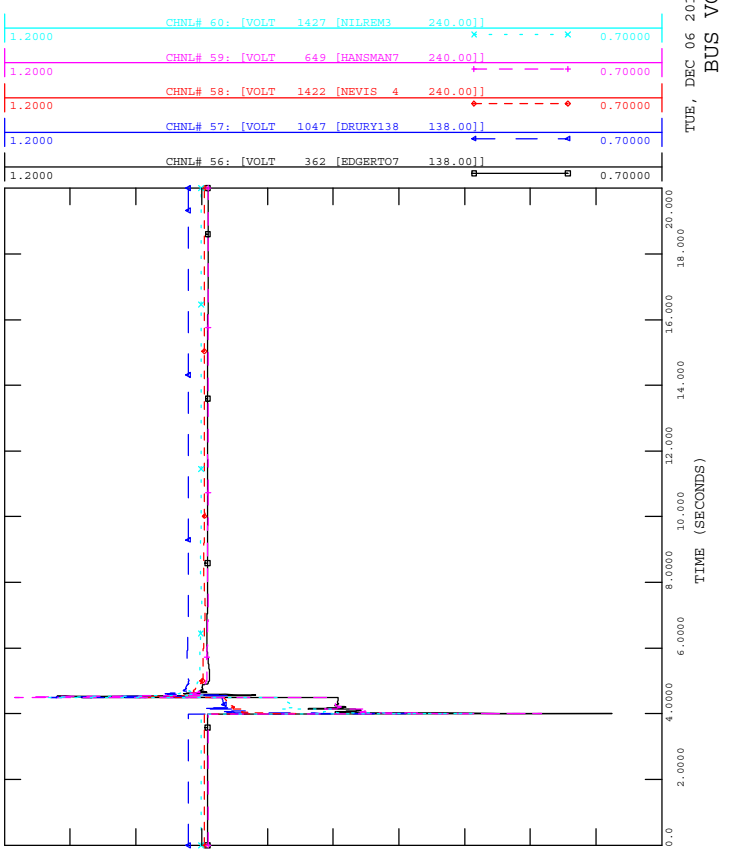

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

BUS VOLTAGE

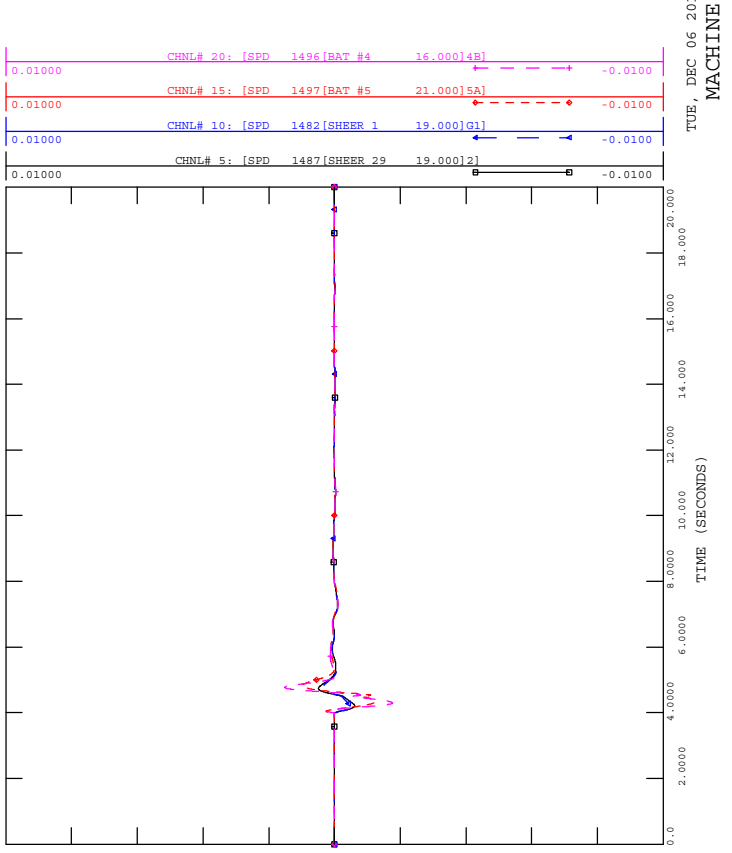


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

MACHINE SPEED

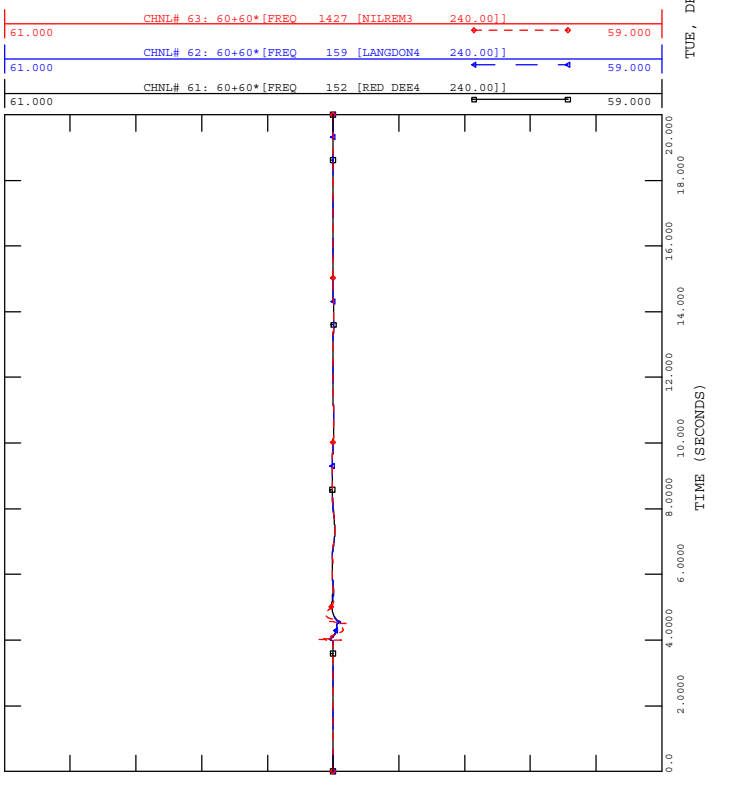


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

FREQUENCY

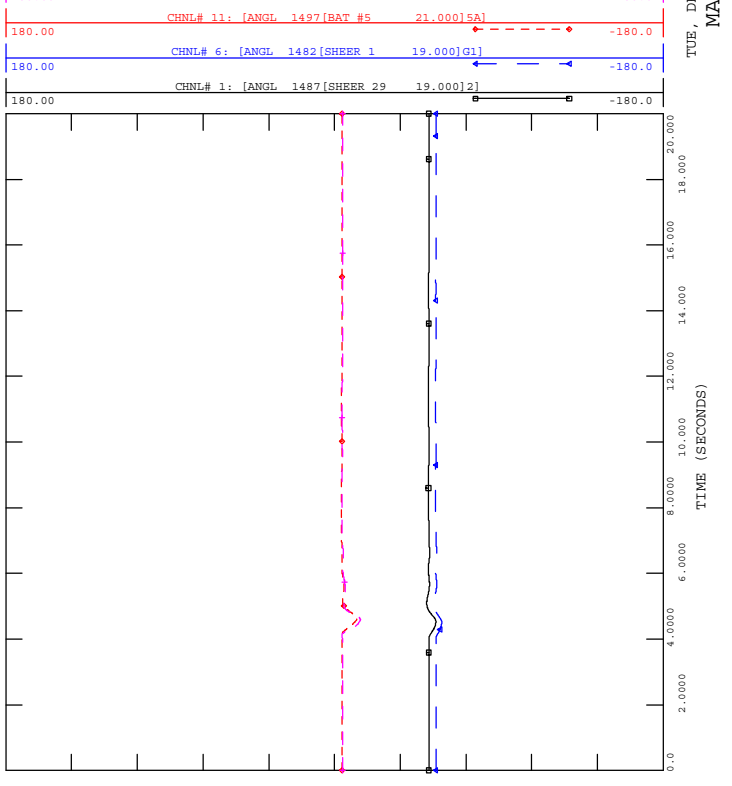


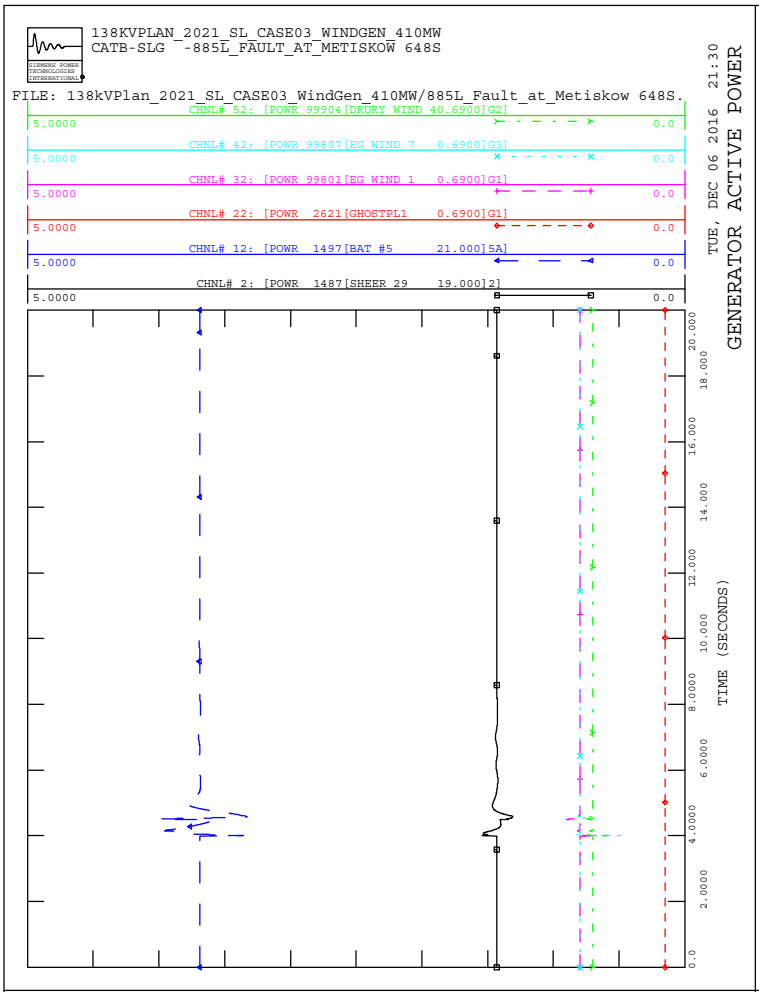
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

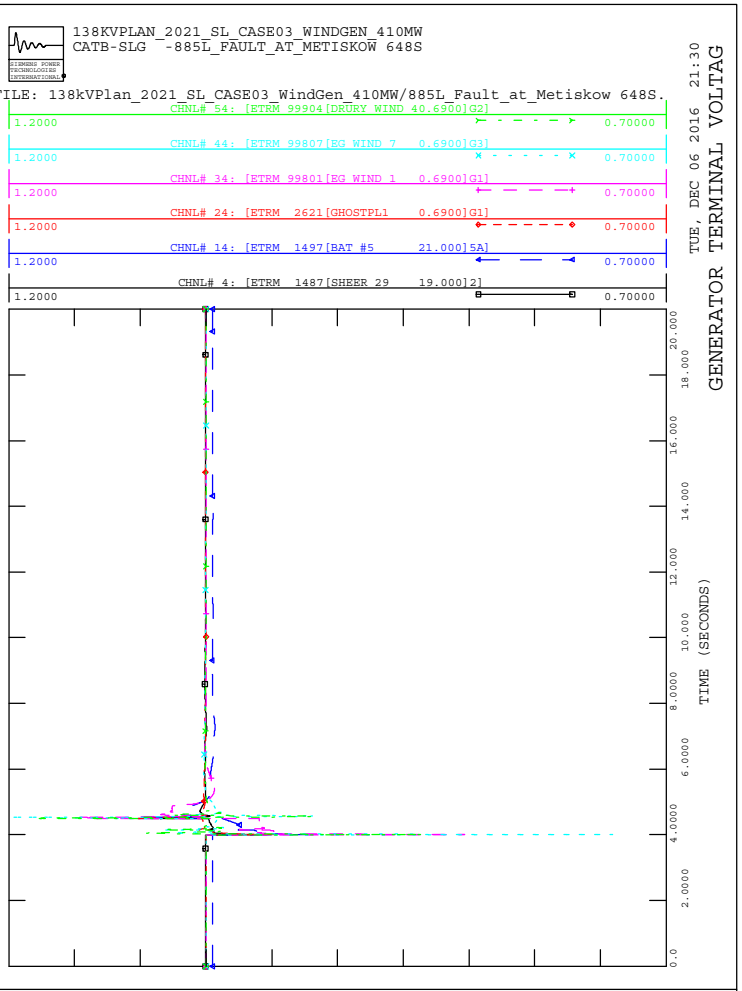
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.

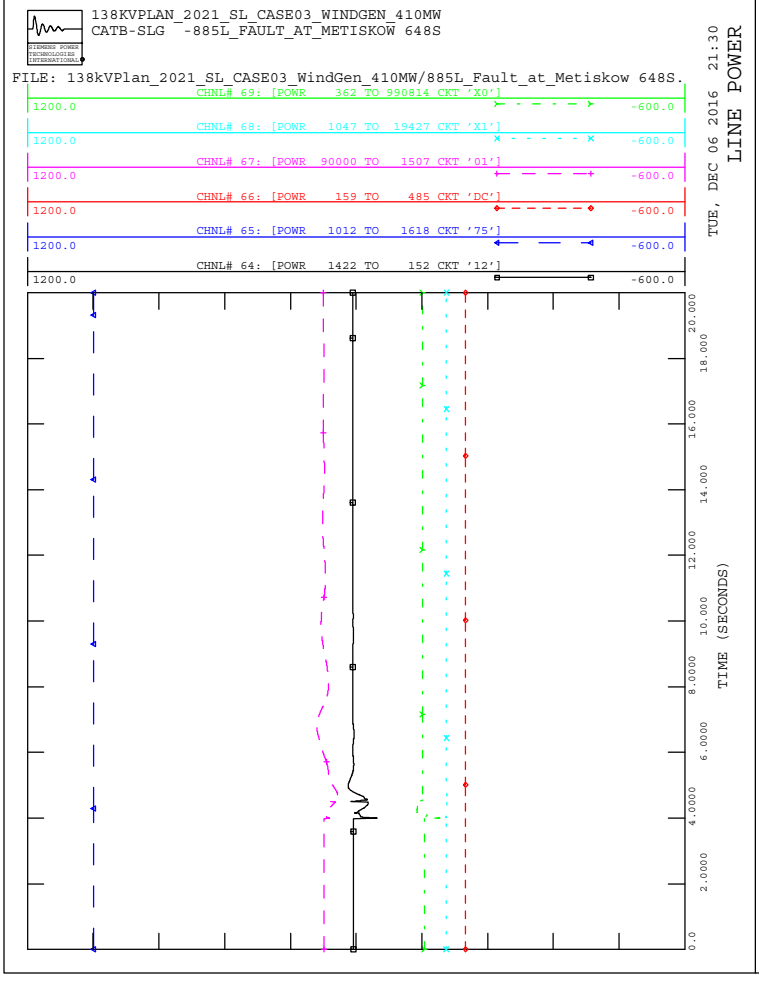
TUE, DEC 06 2016 21:30

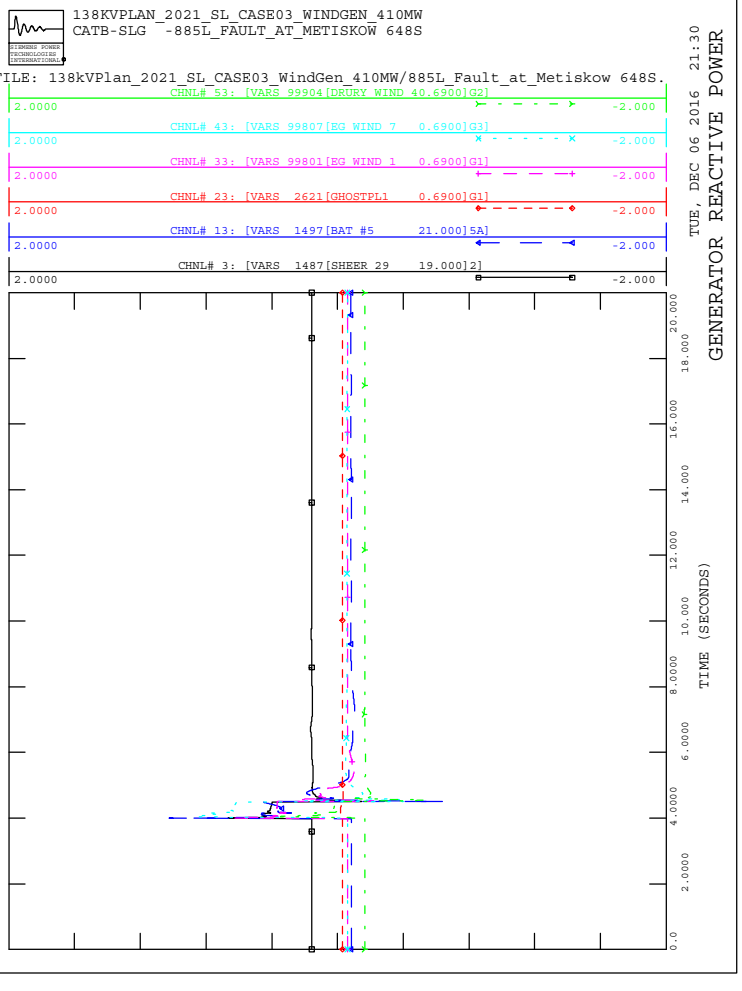
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)

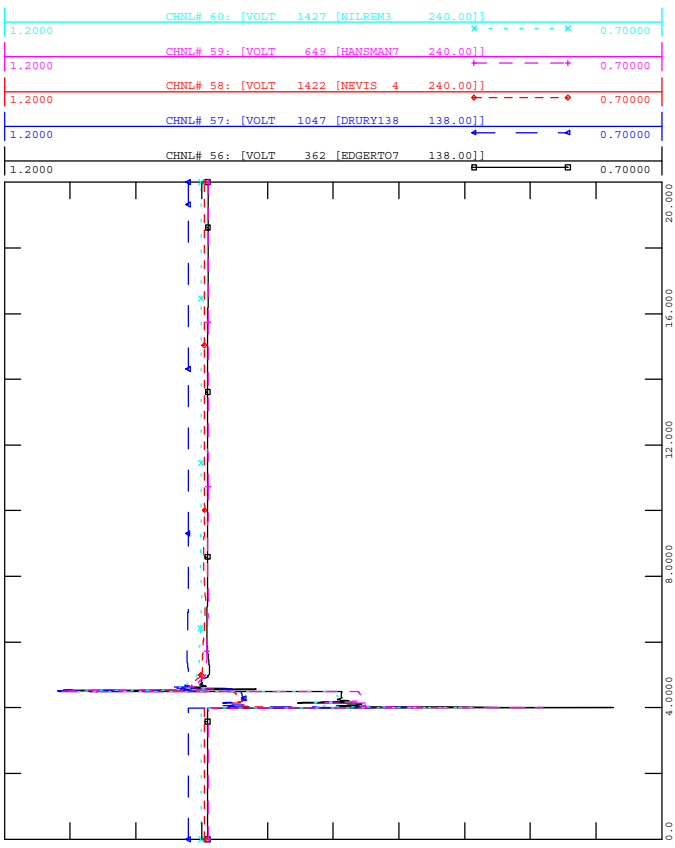

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:30

BUS VOLTAGE

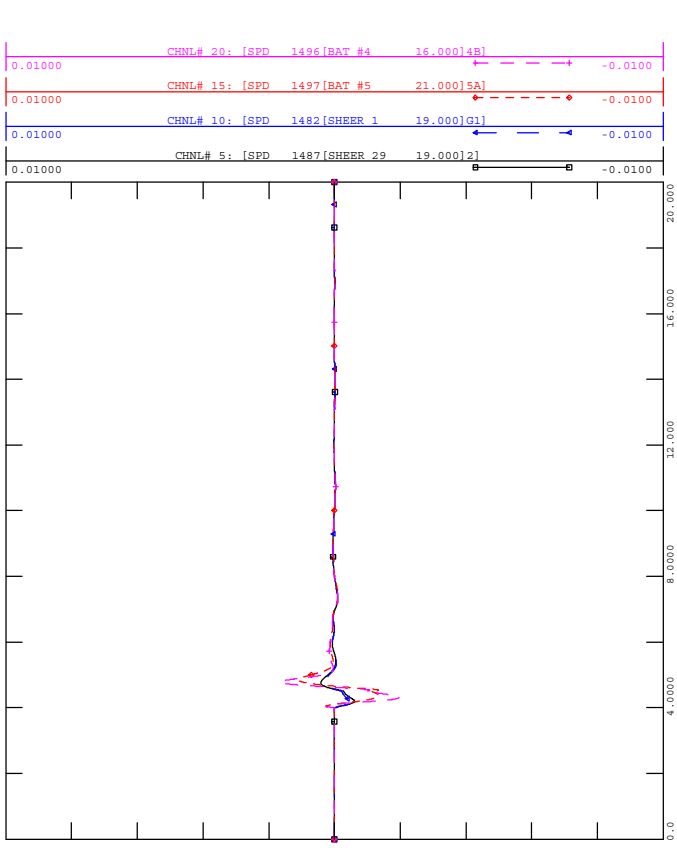


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:30

MACHINE SPEED

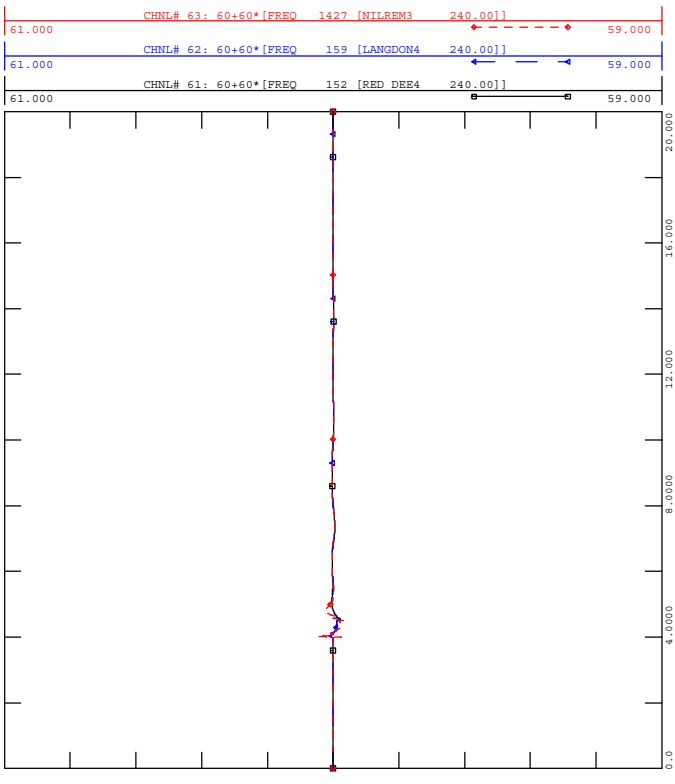


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:30

FREQUENCY

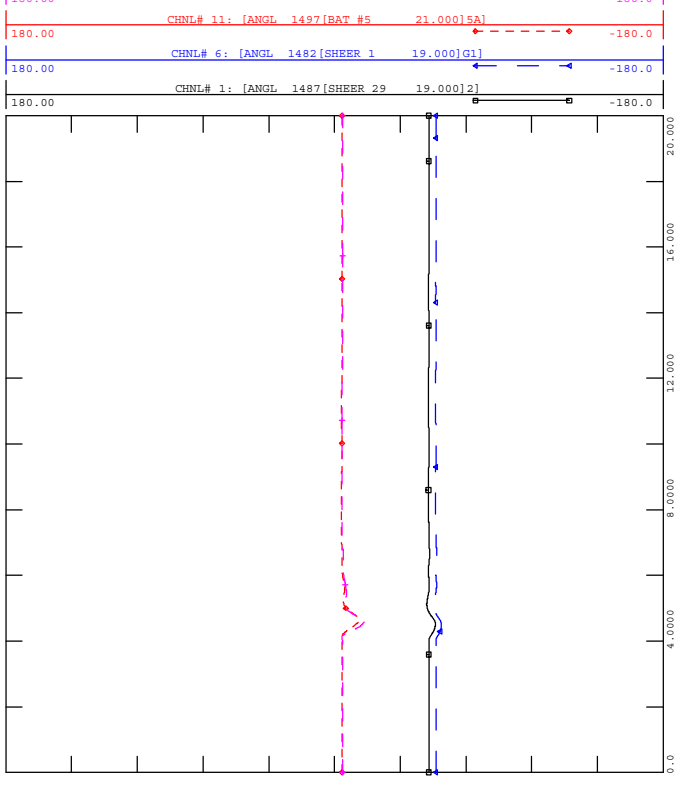


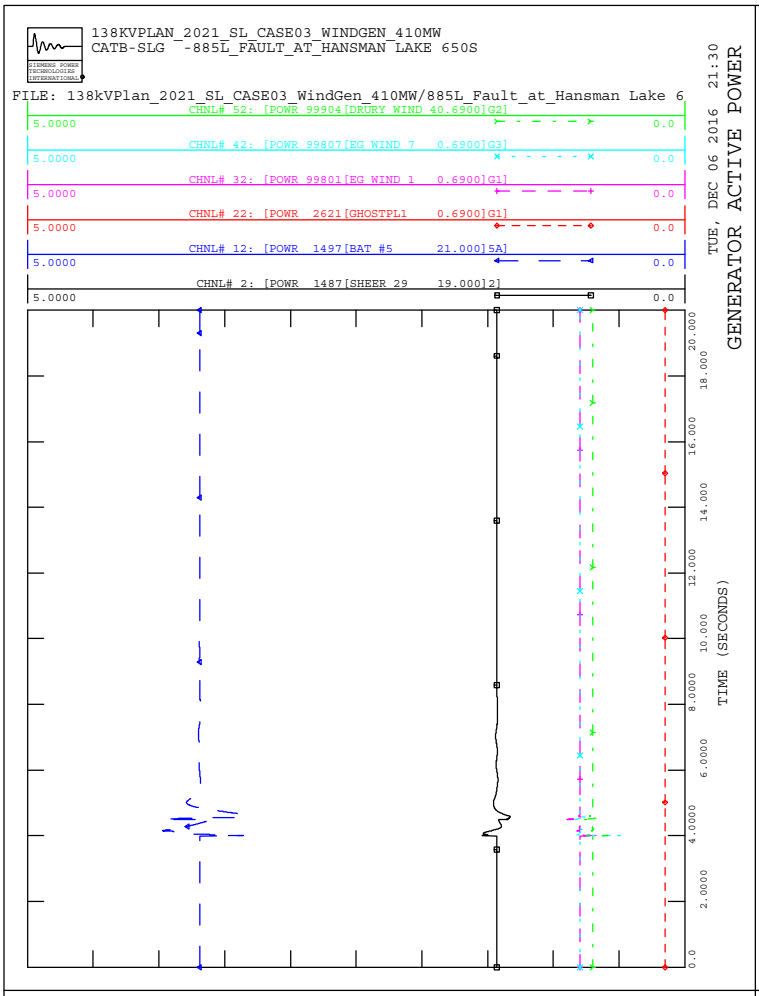
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

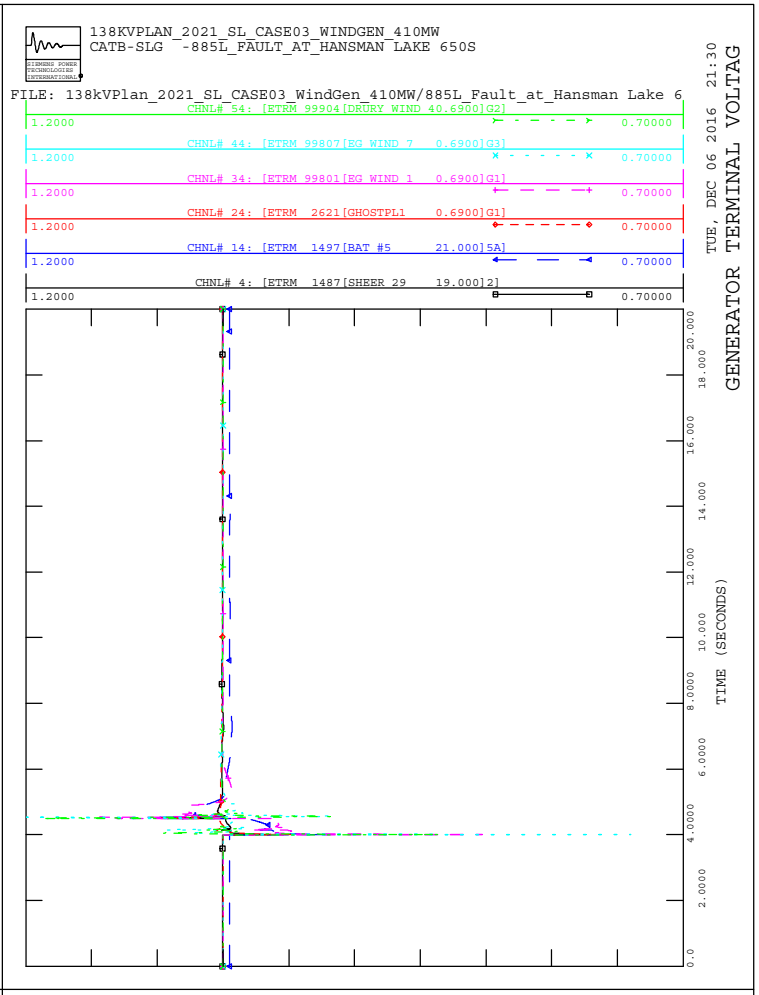
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman Lake 6

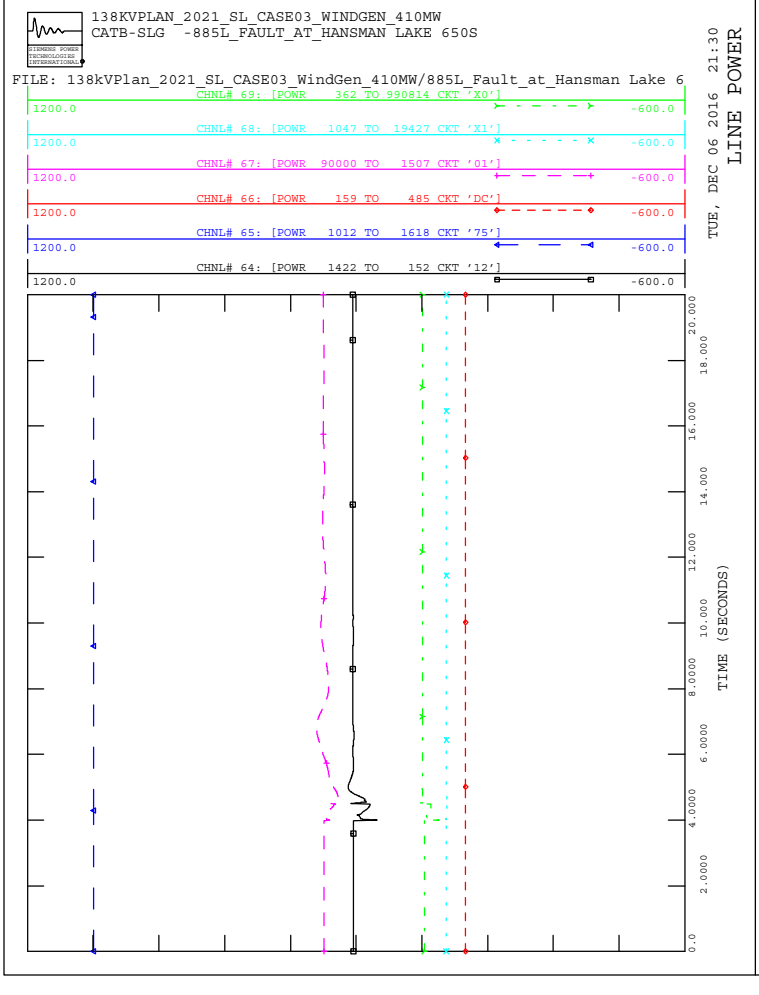
TUE, DEC 06 2016 21:30

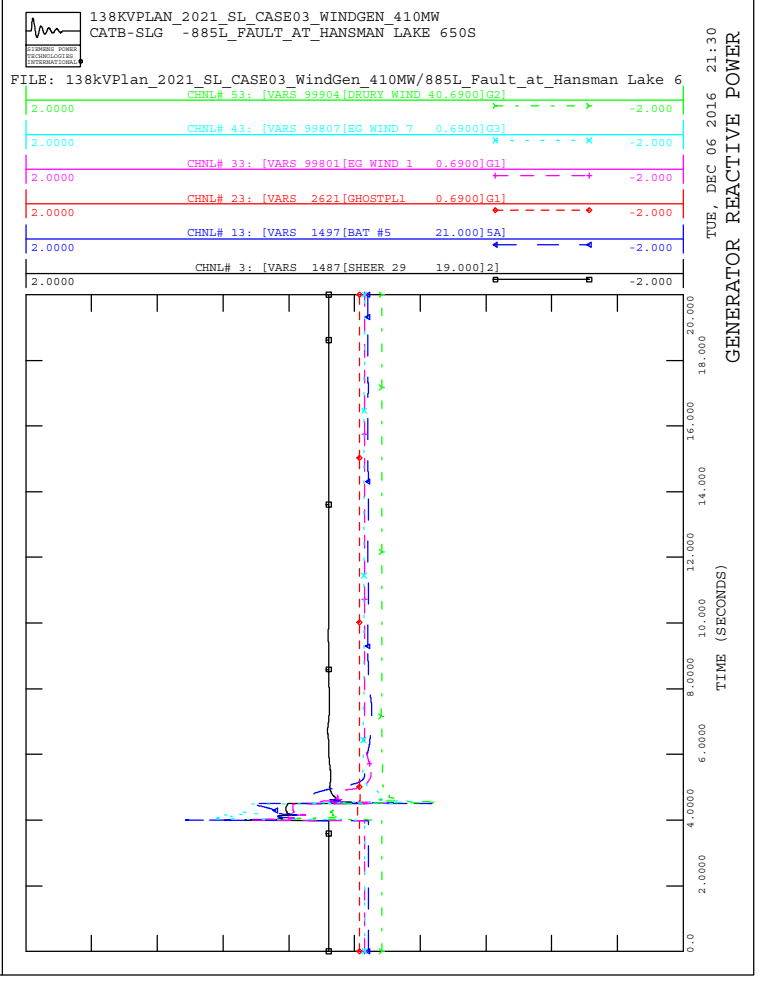
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman Lake 6
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_Fault_at_Hansman Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:30

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:30

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:30

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

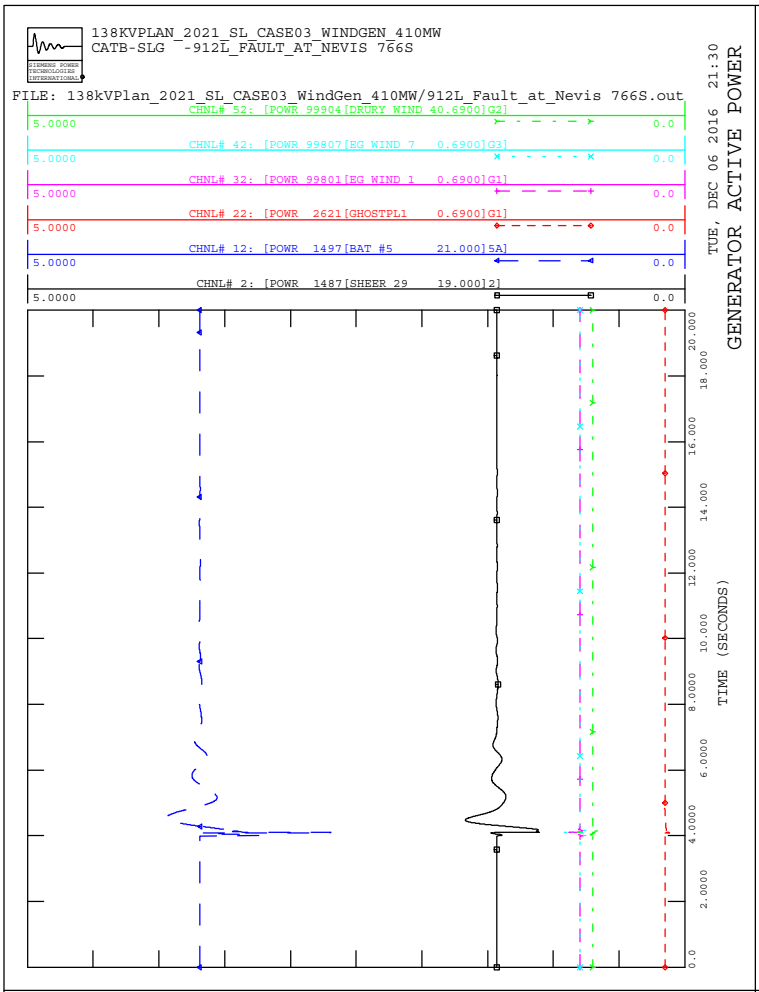
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out

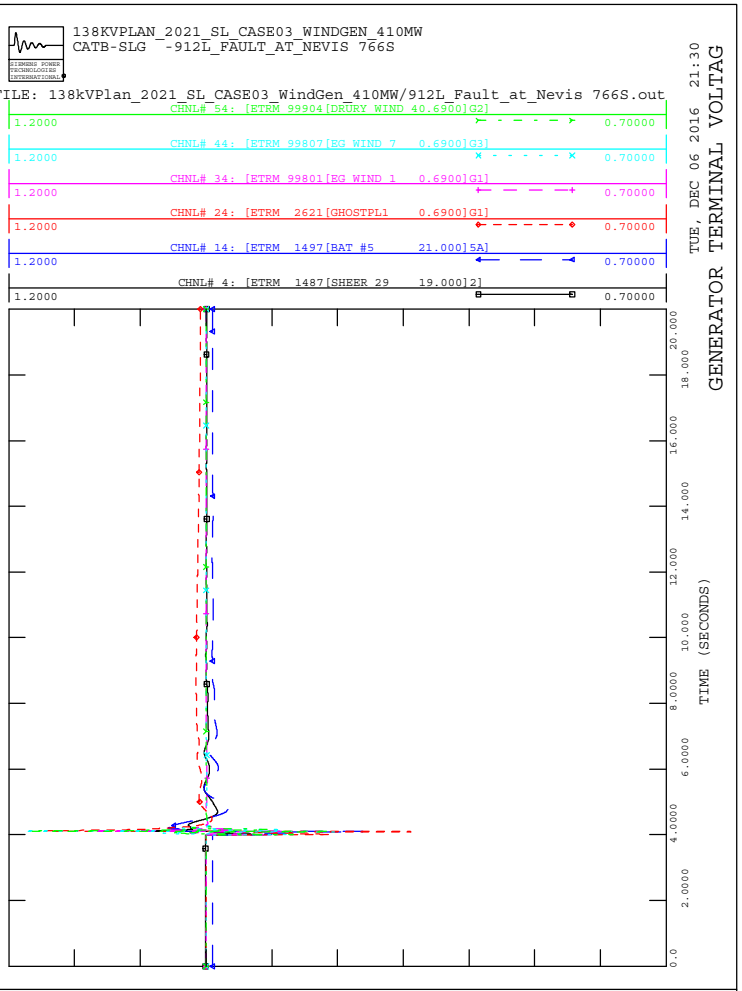
TUE, DEC 06 2016 21:30

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
10.000
12.000
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16.000
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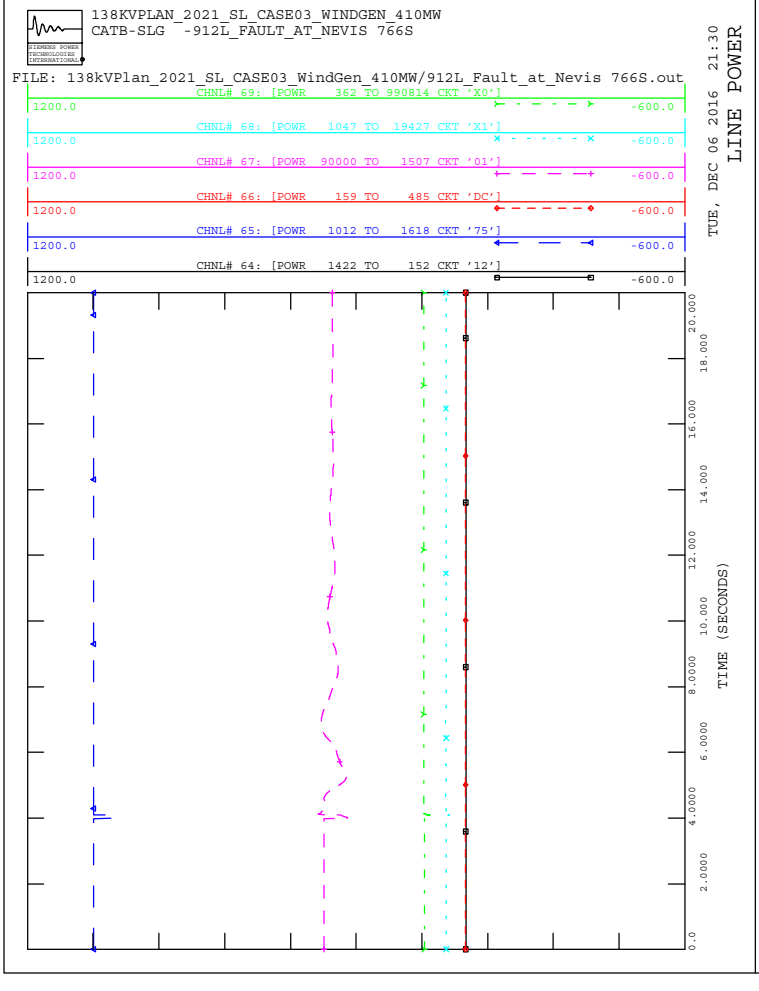
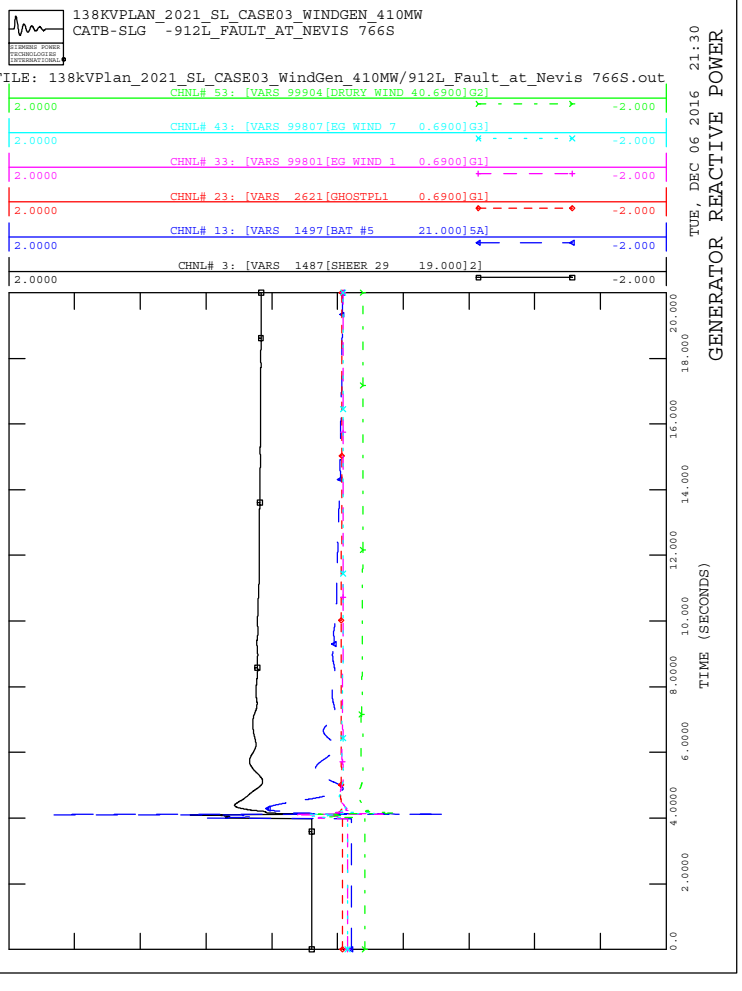
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

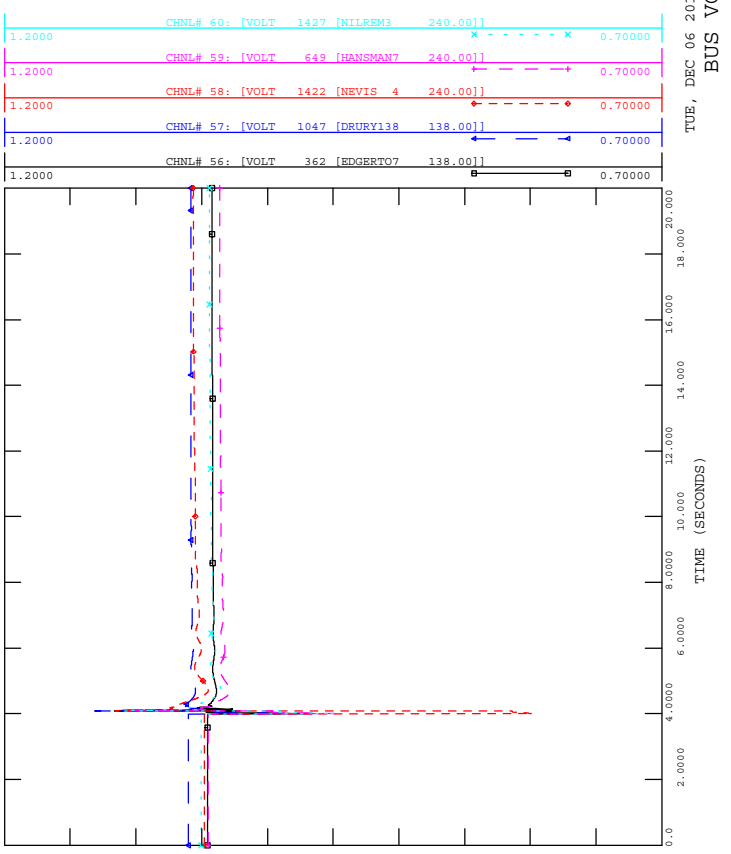

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 21:30

BUS VOLTAGE

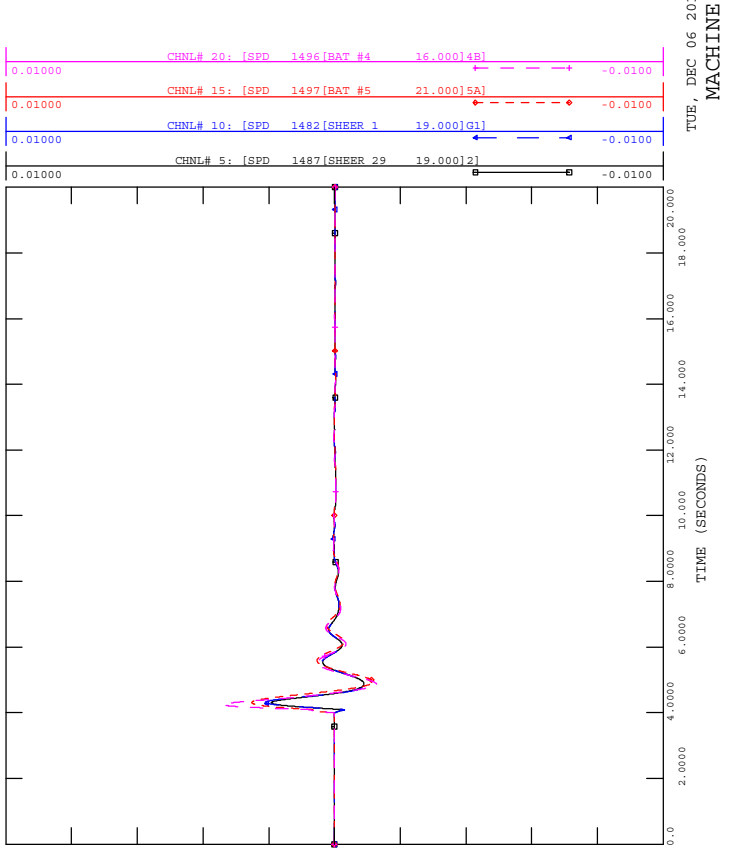


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 21:30

MACHINE SPEED

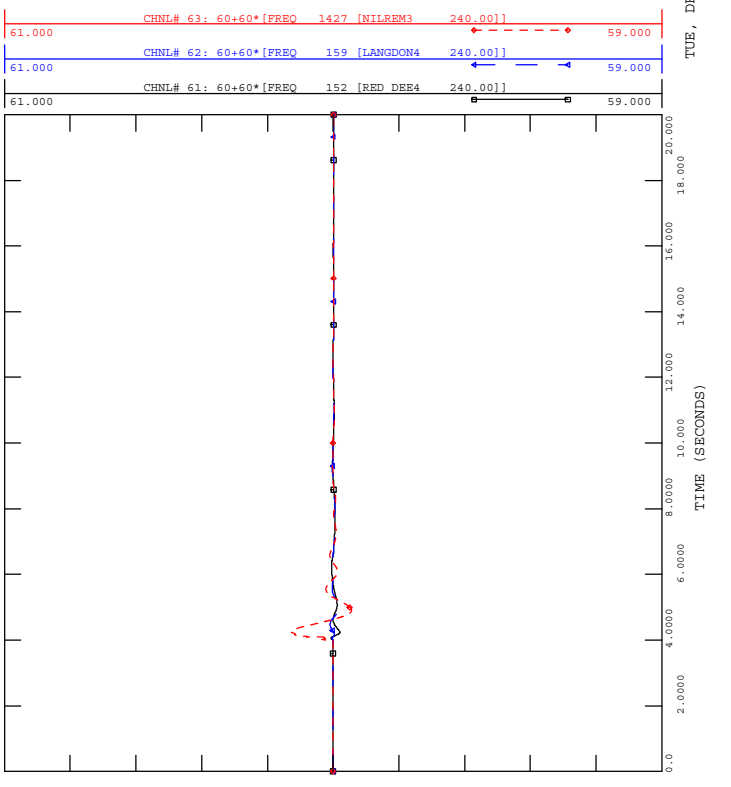


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 21:30

FREQUENCY

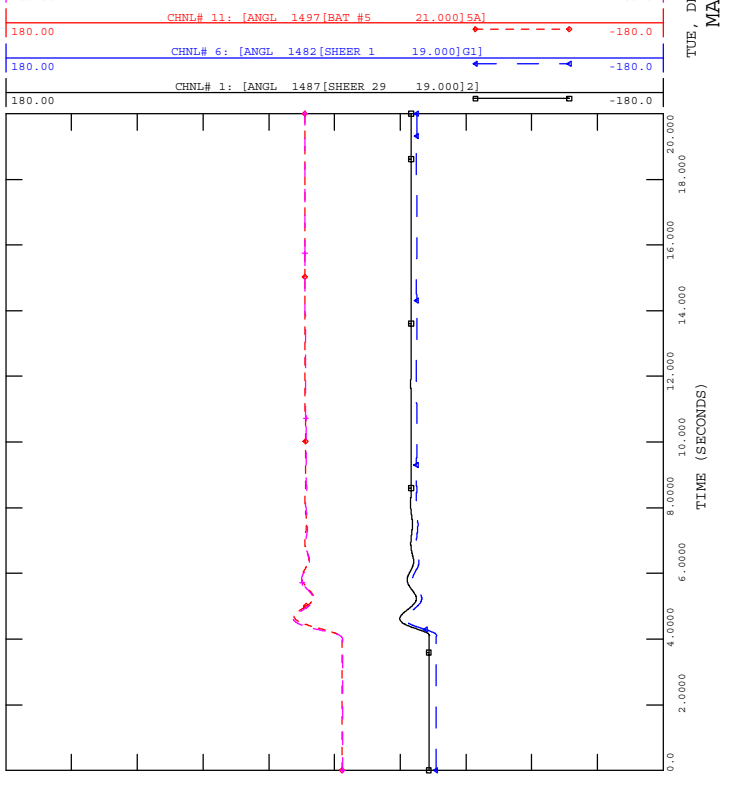


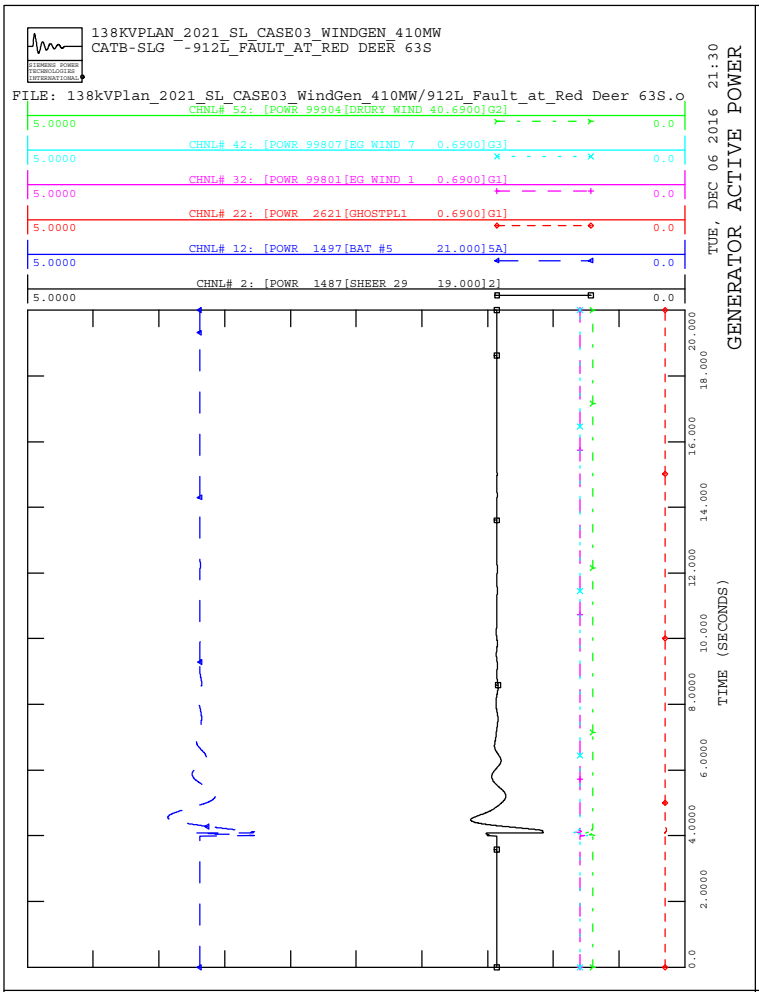
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

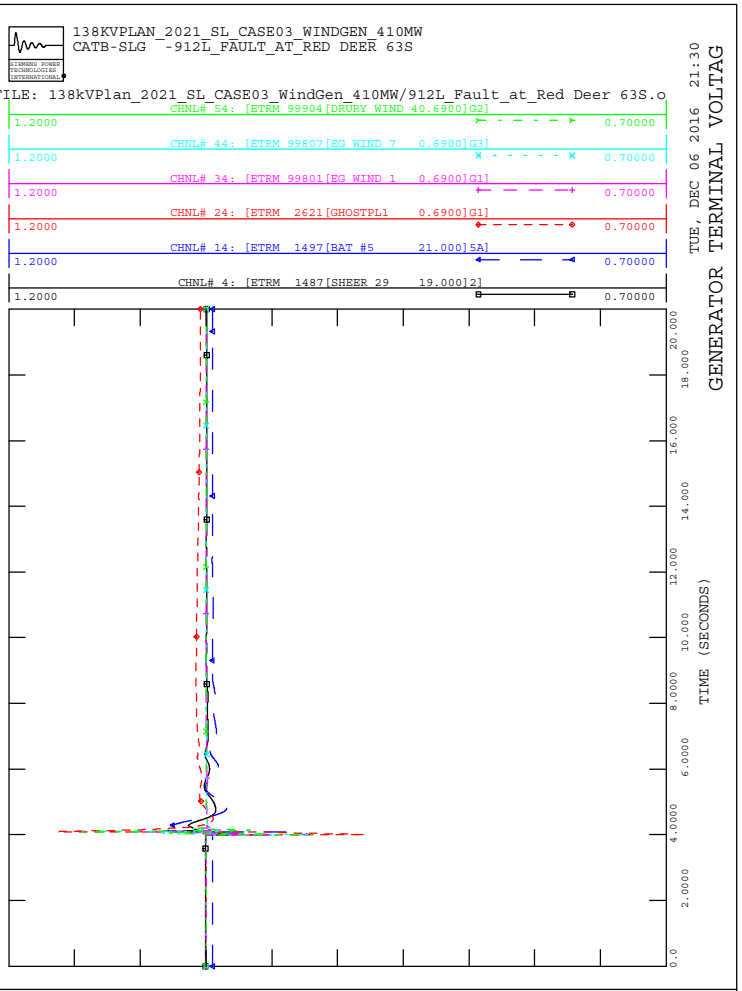
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o

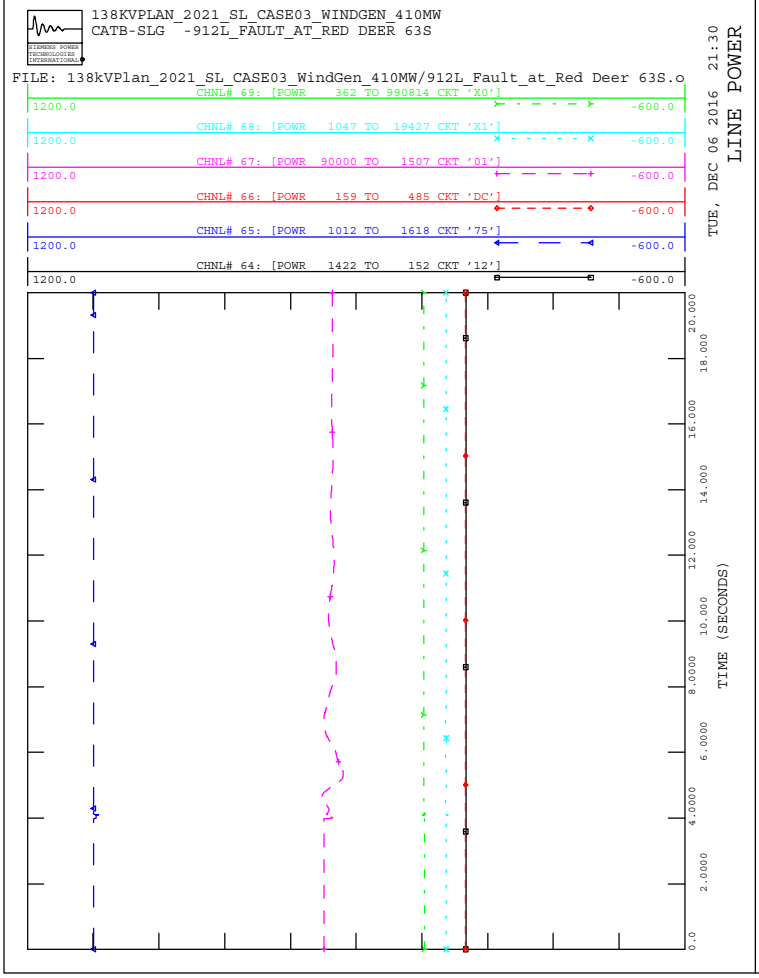
TUE, DEC 06 2016 21:30

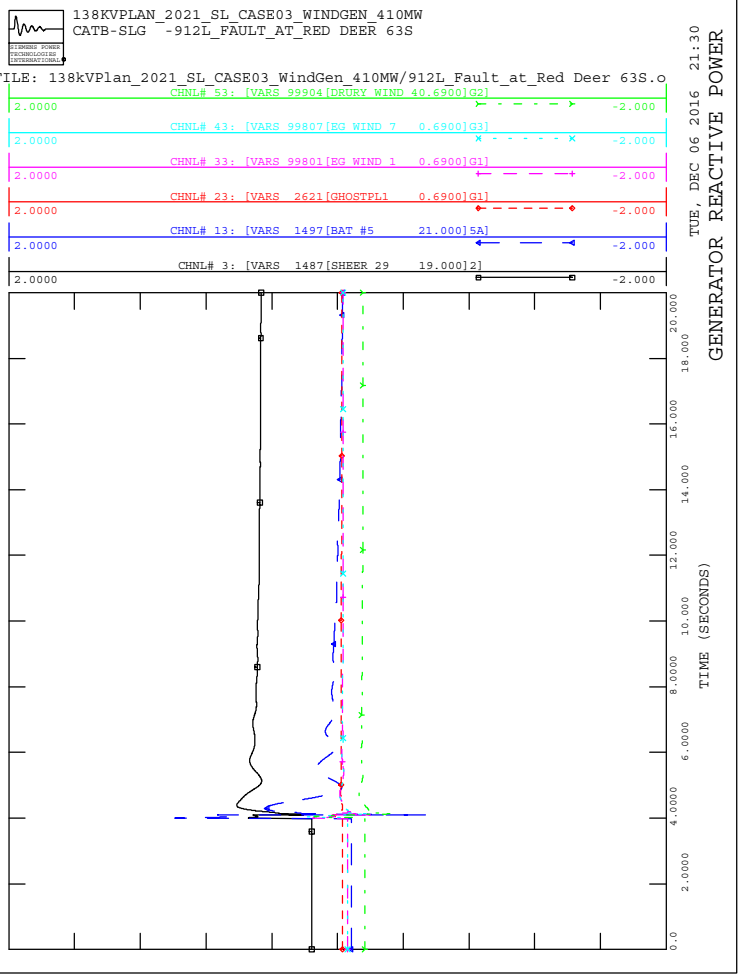
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

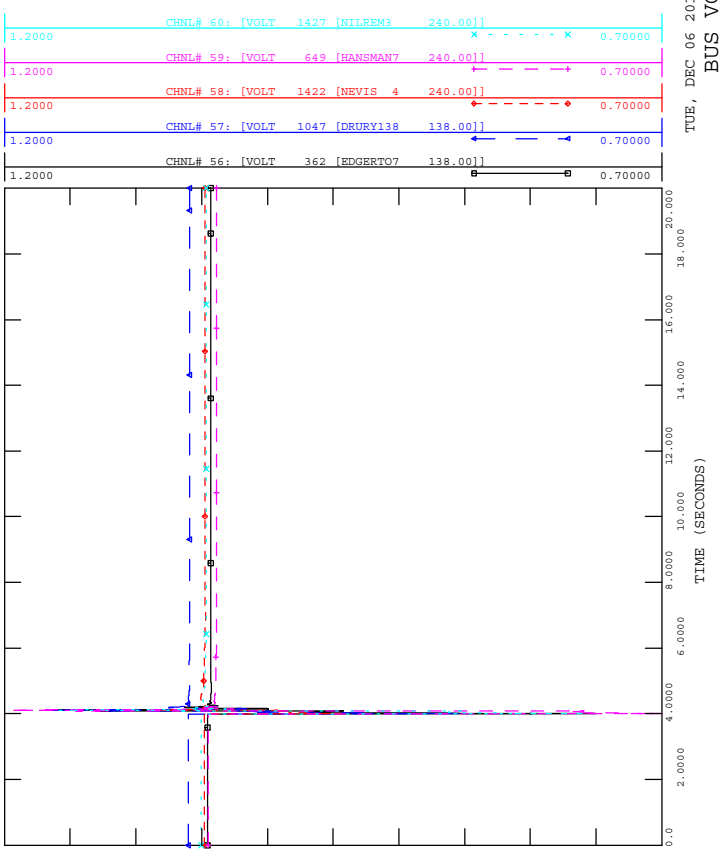

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

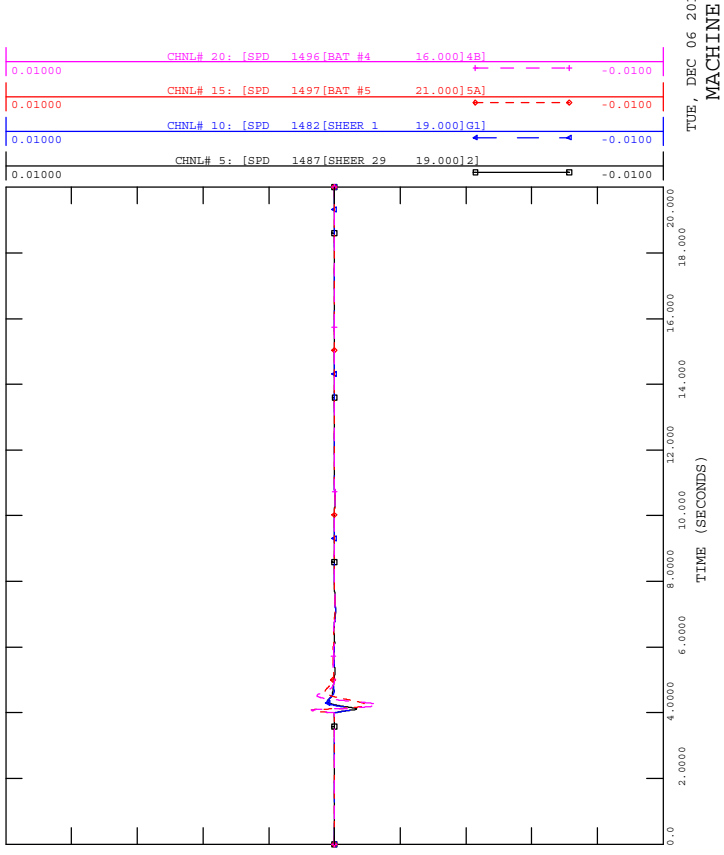
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:30
BUS VOLTAGE

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

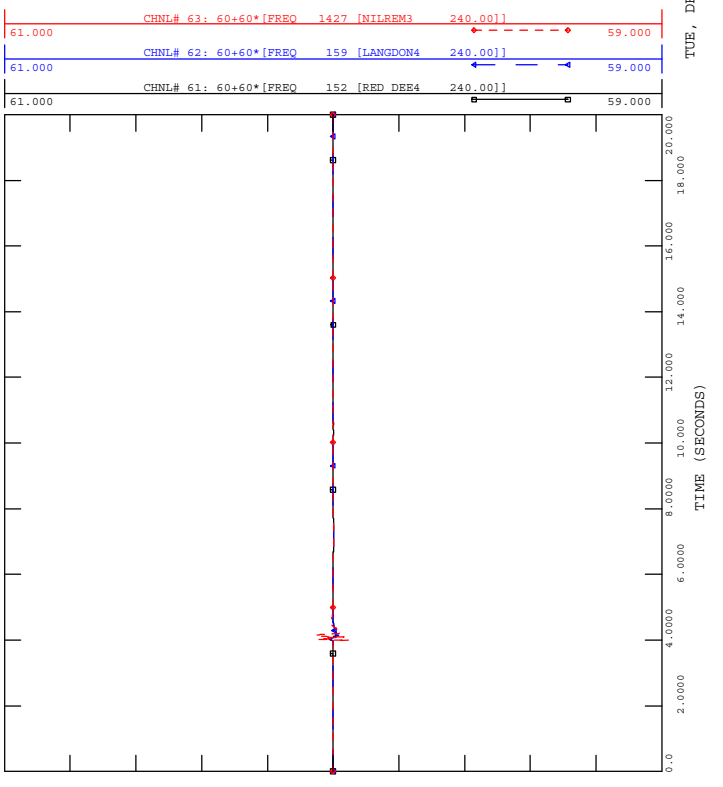
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:30
MACHINE SPEED

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

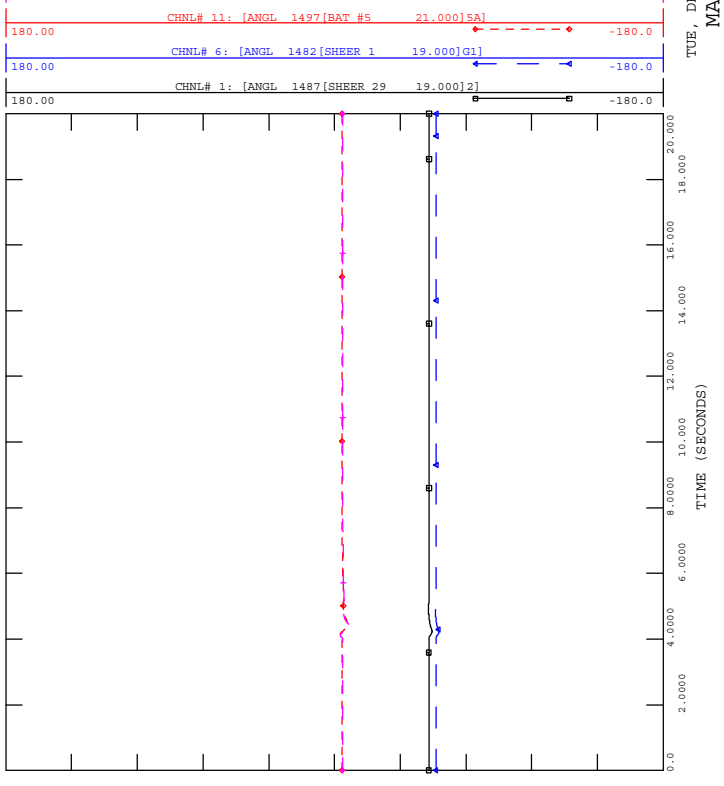
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake



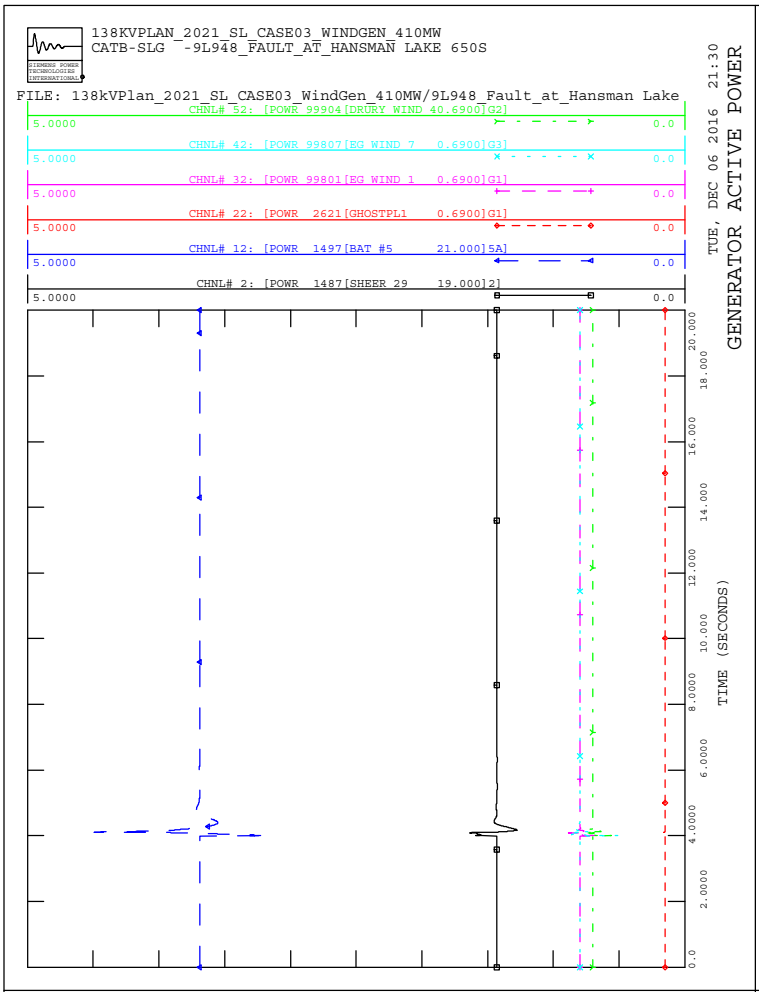
TUE, DEC 06 2016 21:30
FREQUENCY

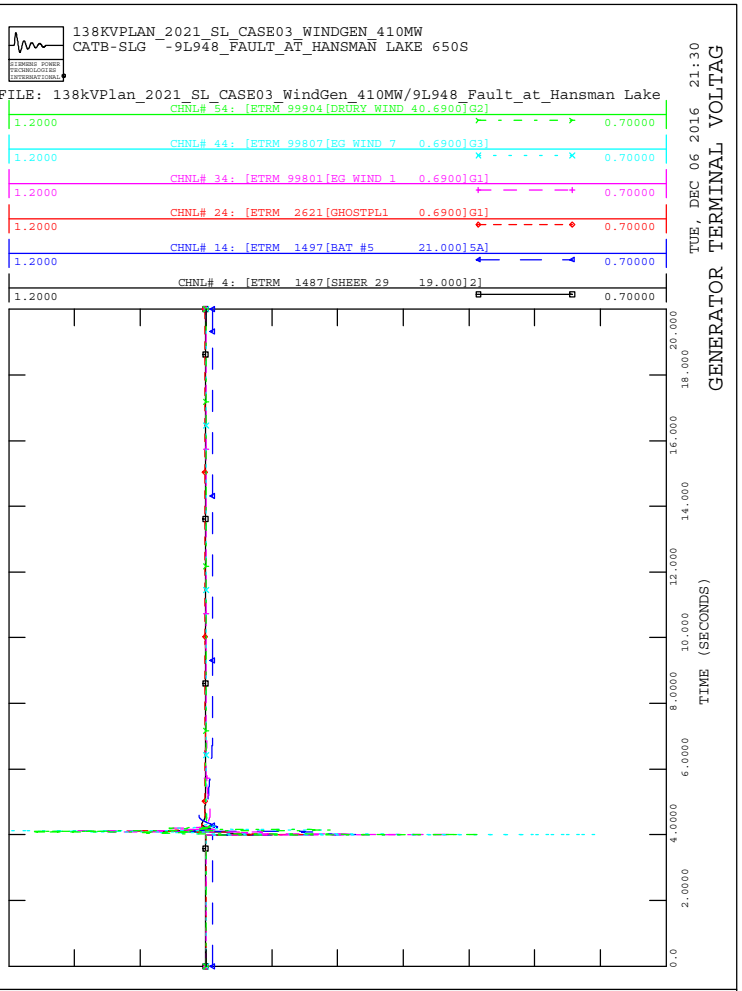
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

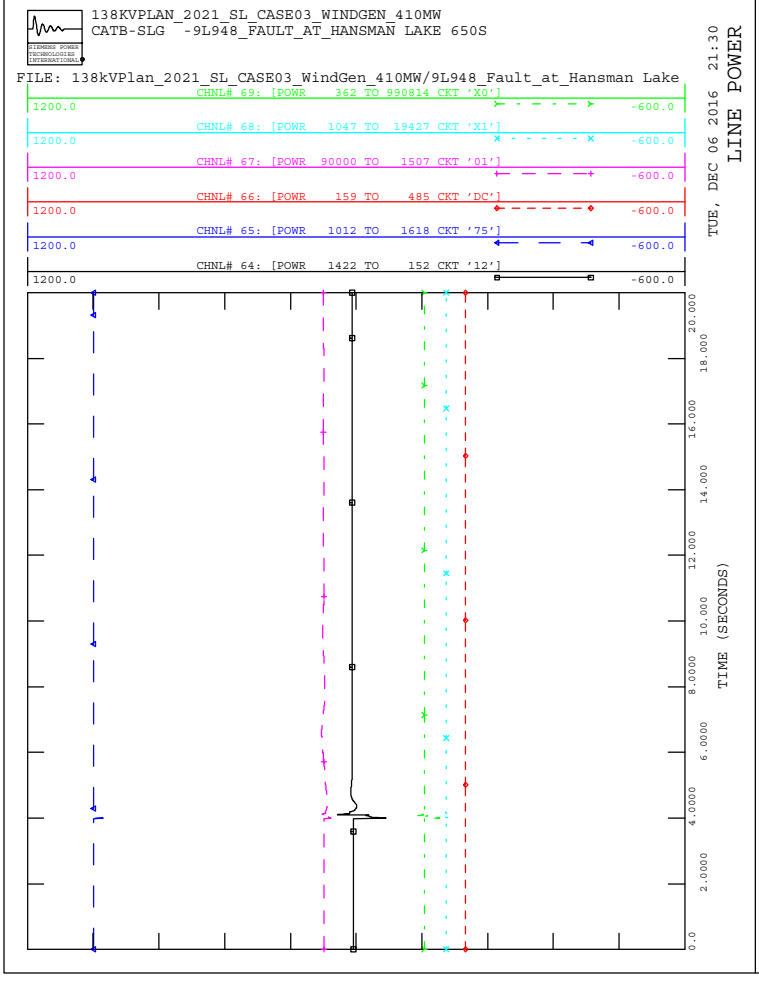
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake

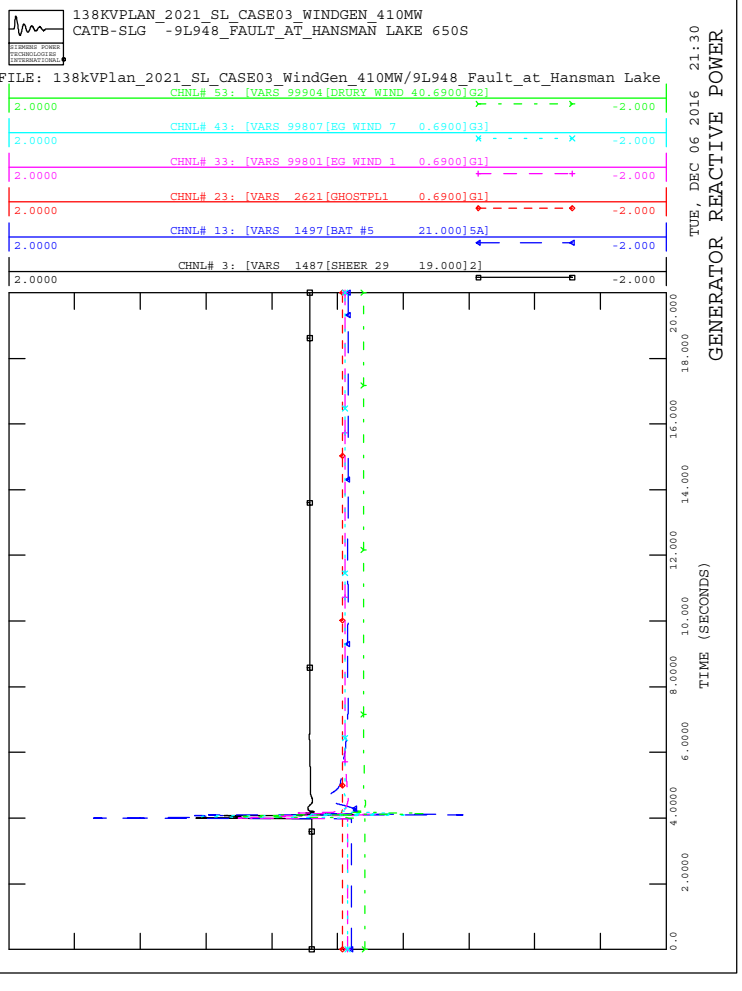


TUE, DEC 06 2016 21:30
MACHINE ANGLE


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

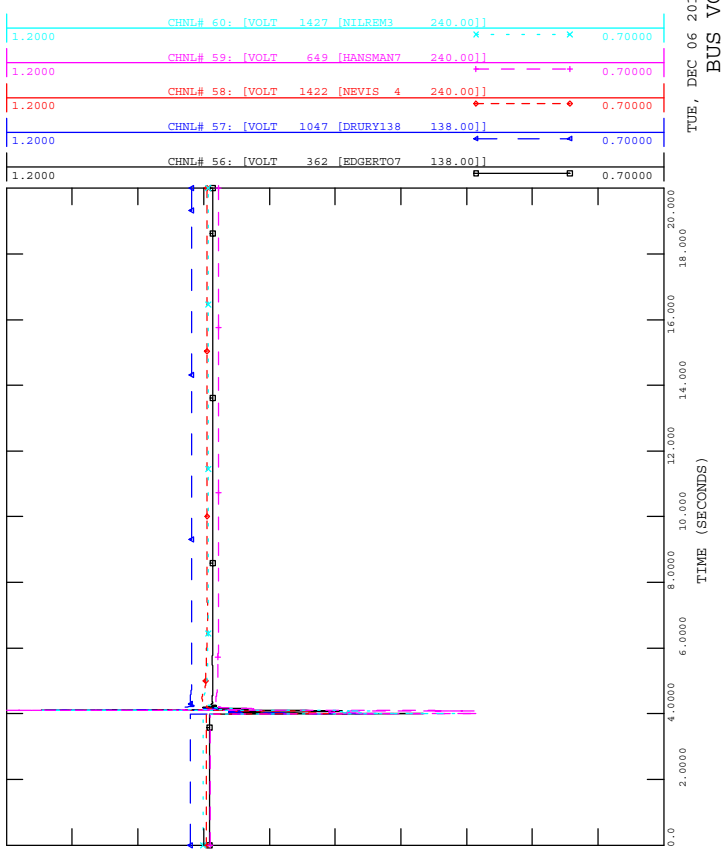

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:30

BUS VOLTAGE

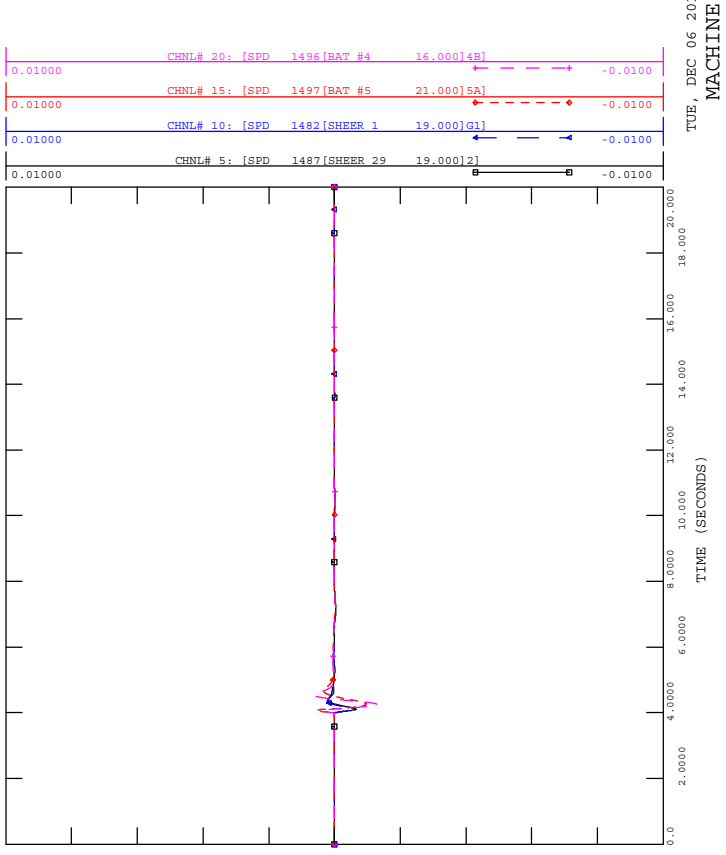


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:30

MACHINE SPEED

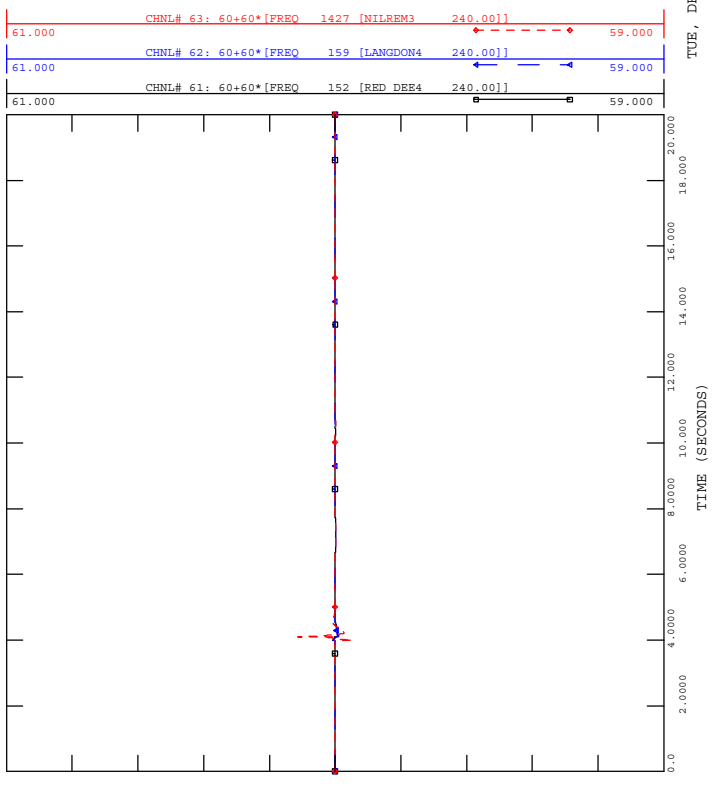


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:30

FREQUENCY

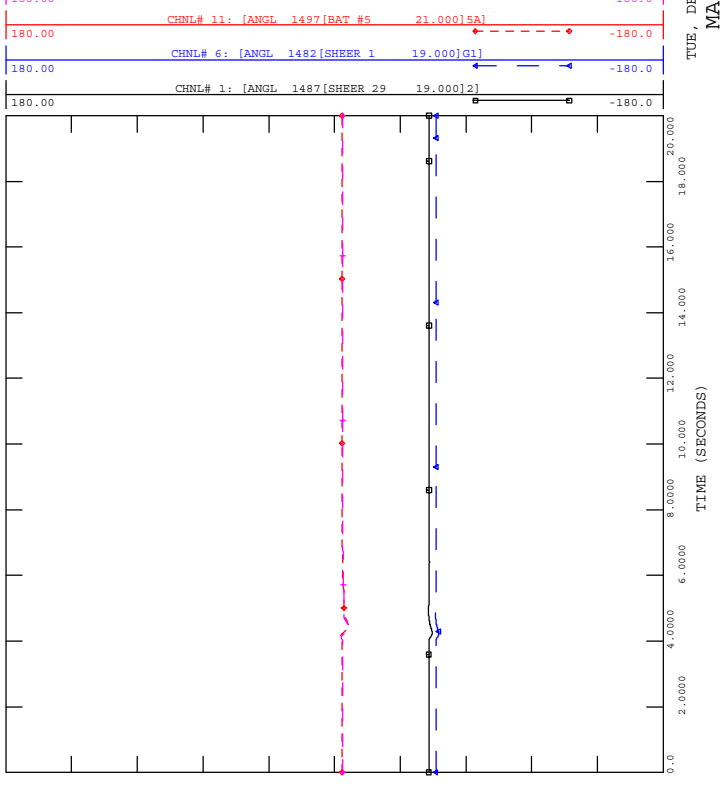


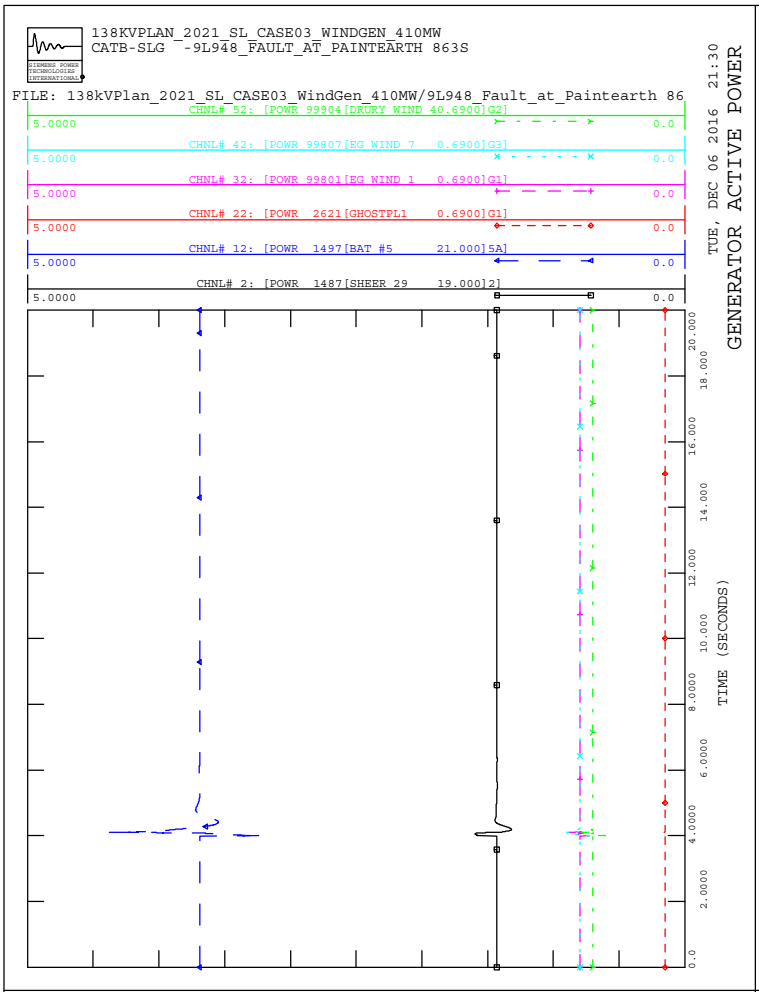
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

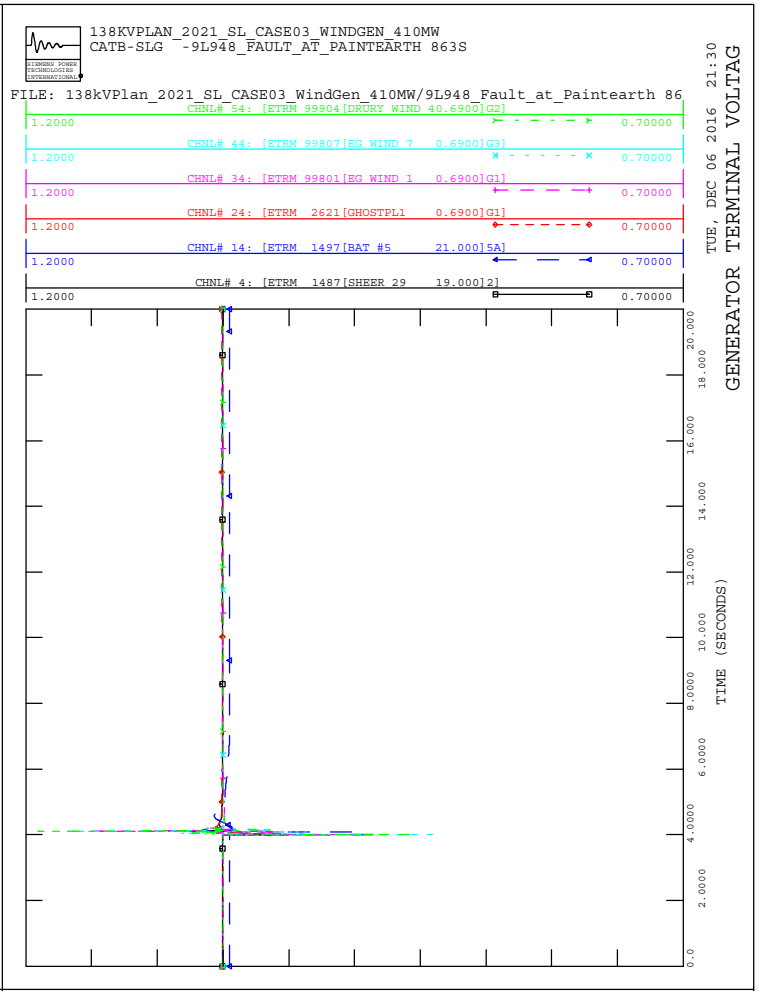
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86

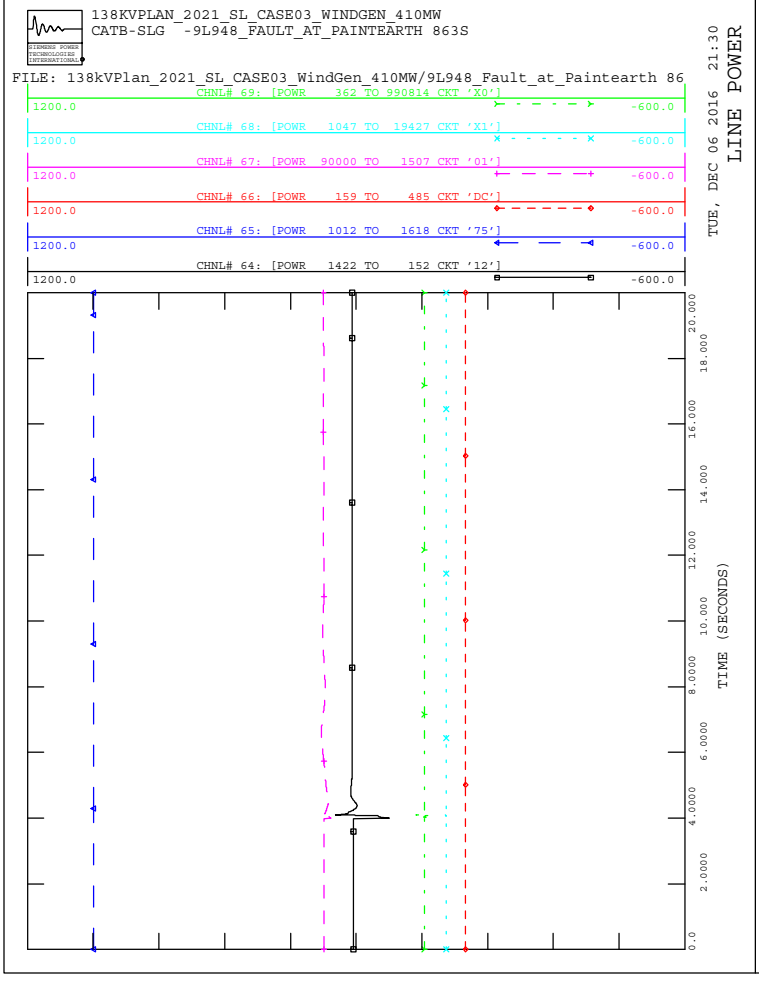
TUE, DEC 06 2016 21:30

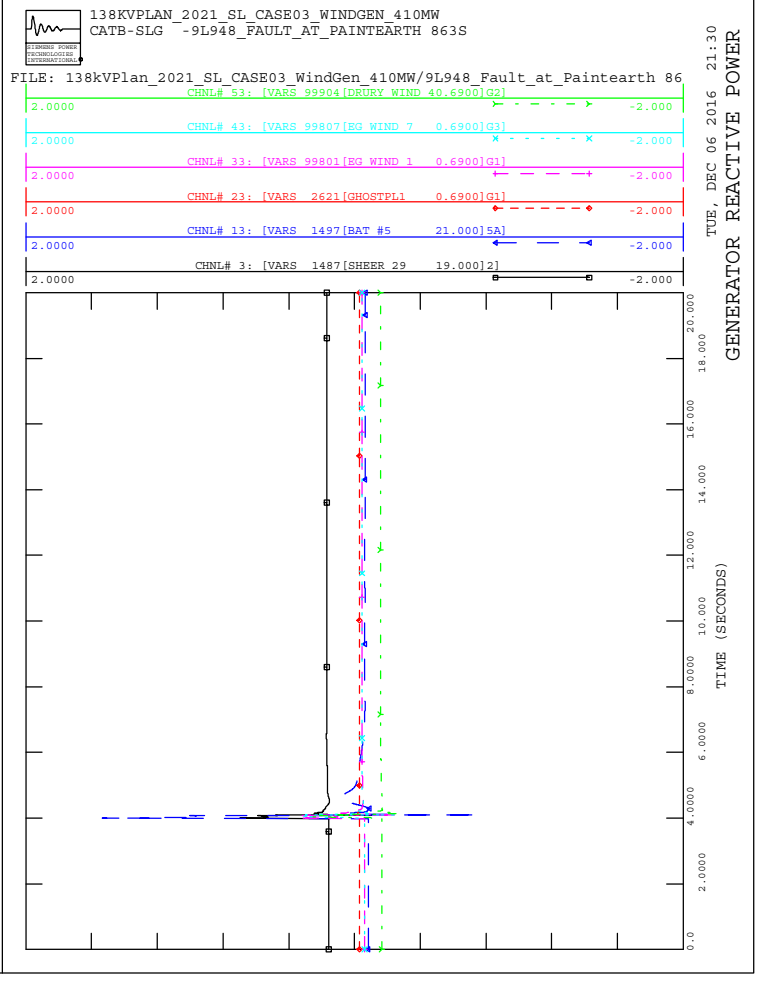
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)

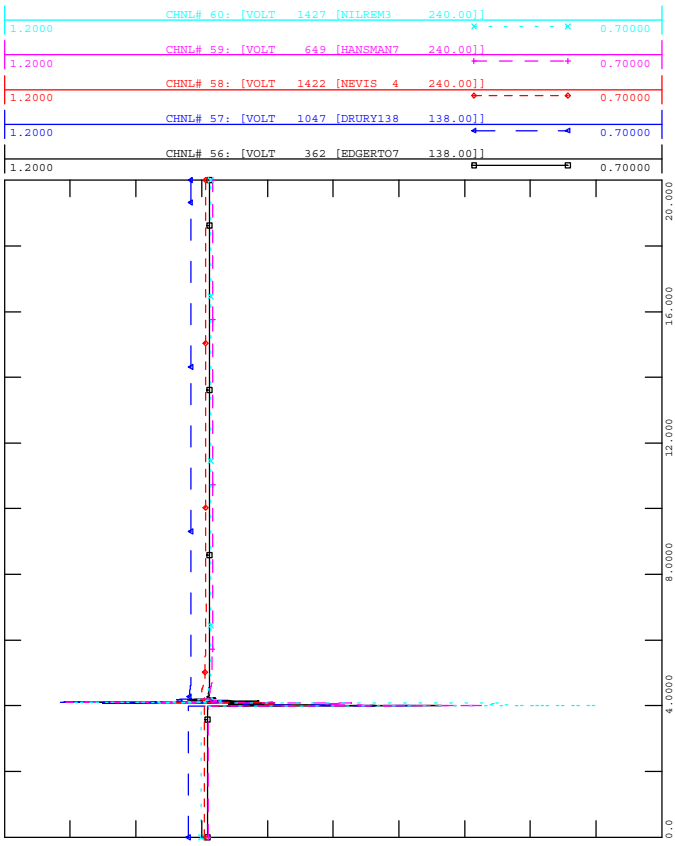

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:30

BUS VOLTAGE

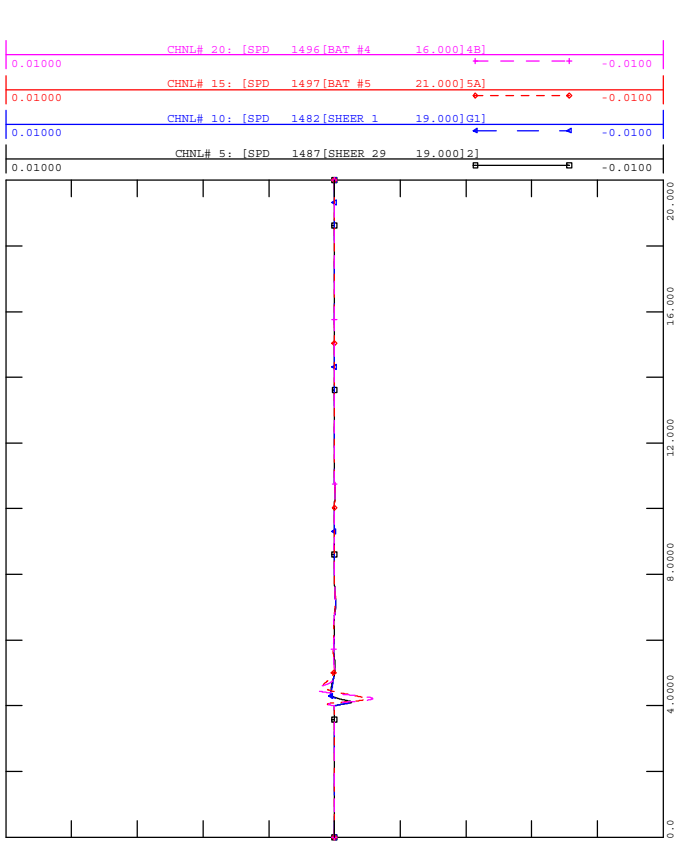


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:30

MACHINE SPEED

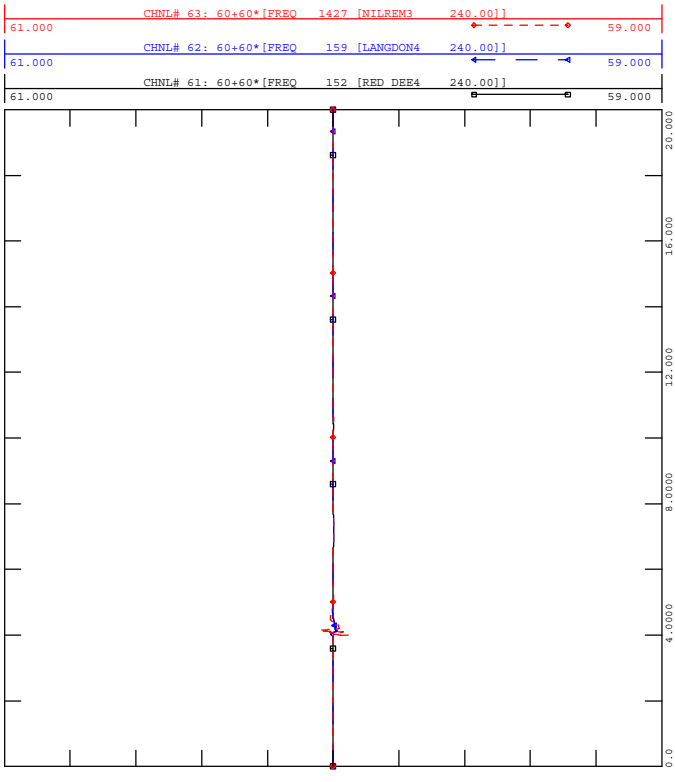


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:30

FREQUENCY

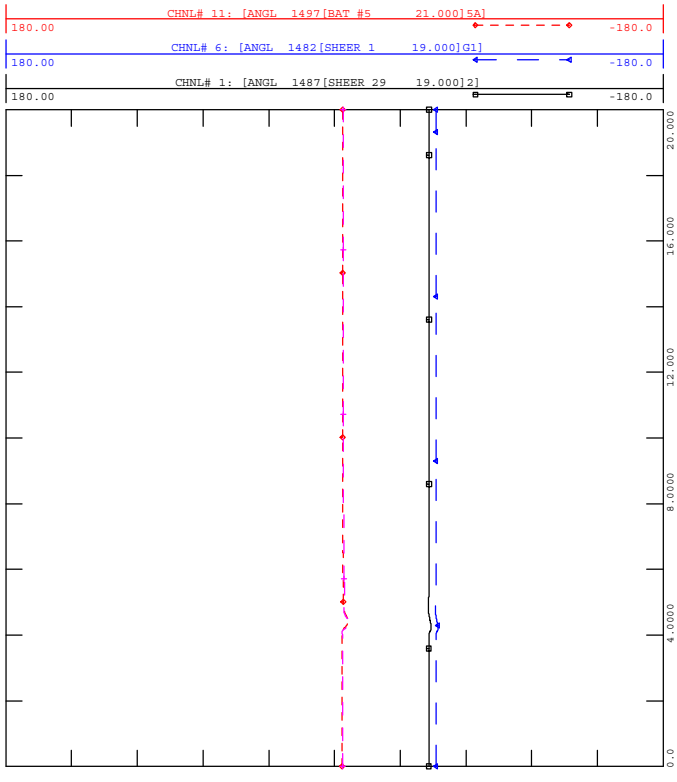


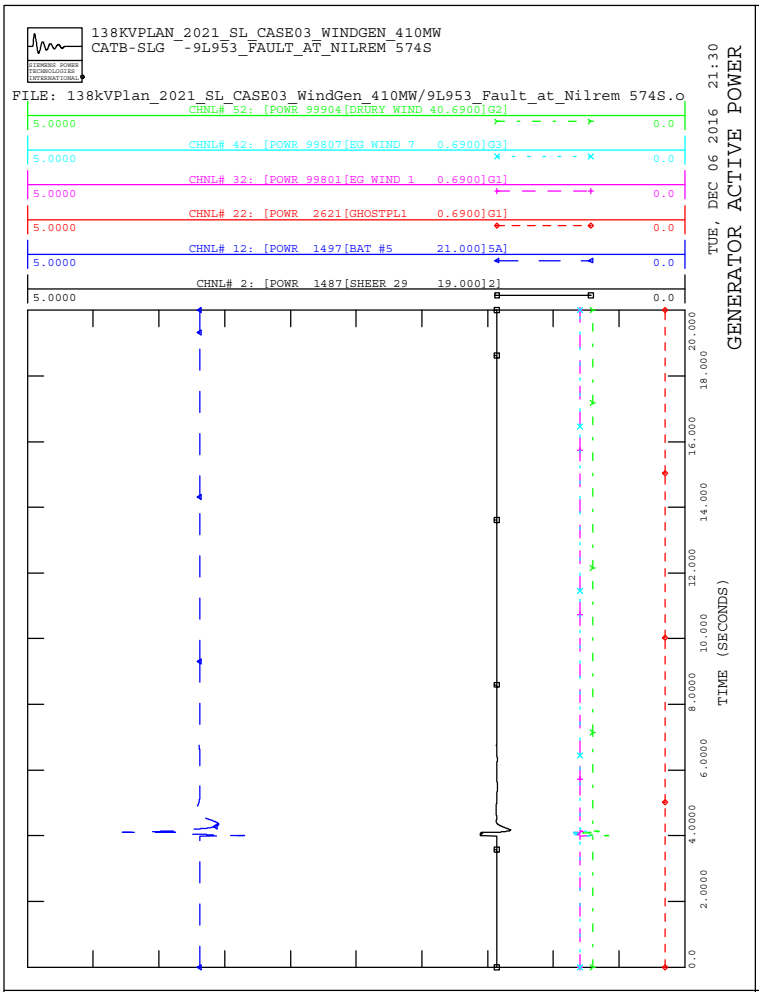
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

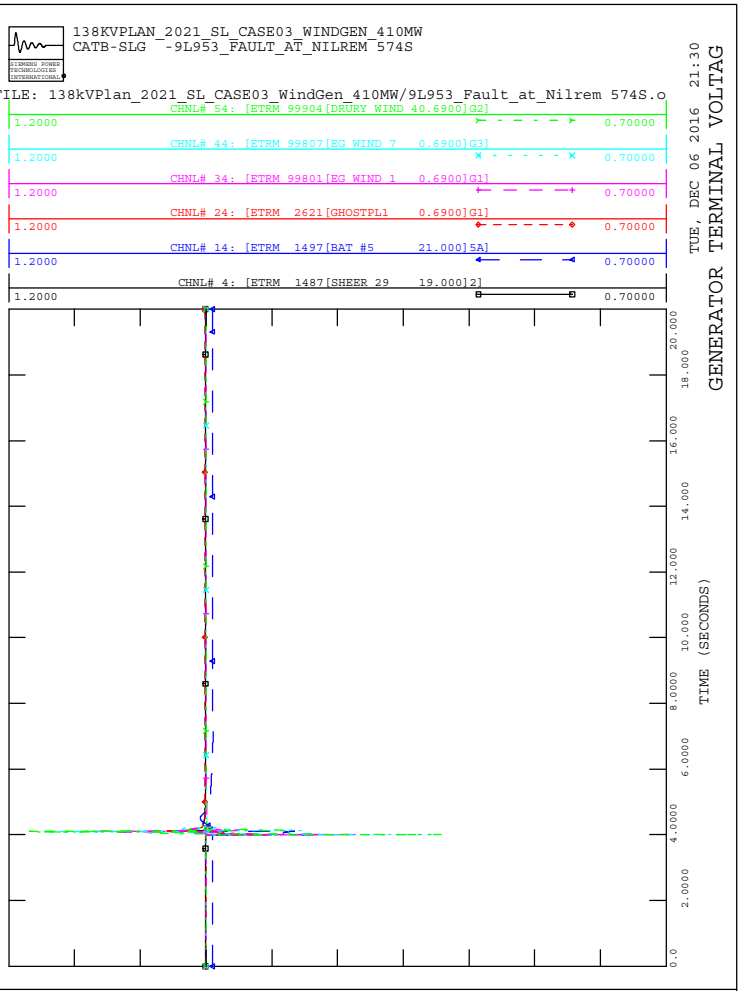
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

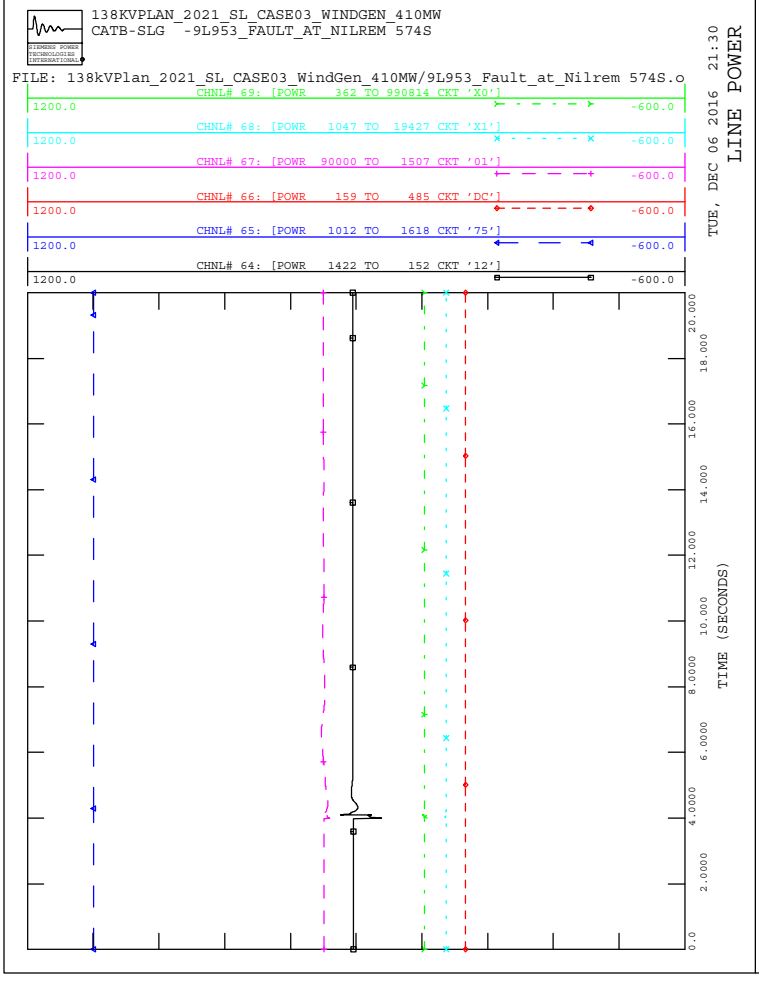
TUE, DEC 06 2016 21:30

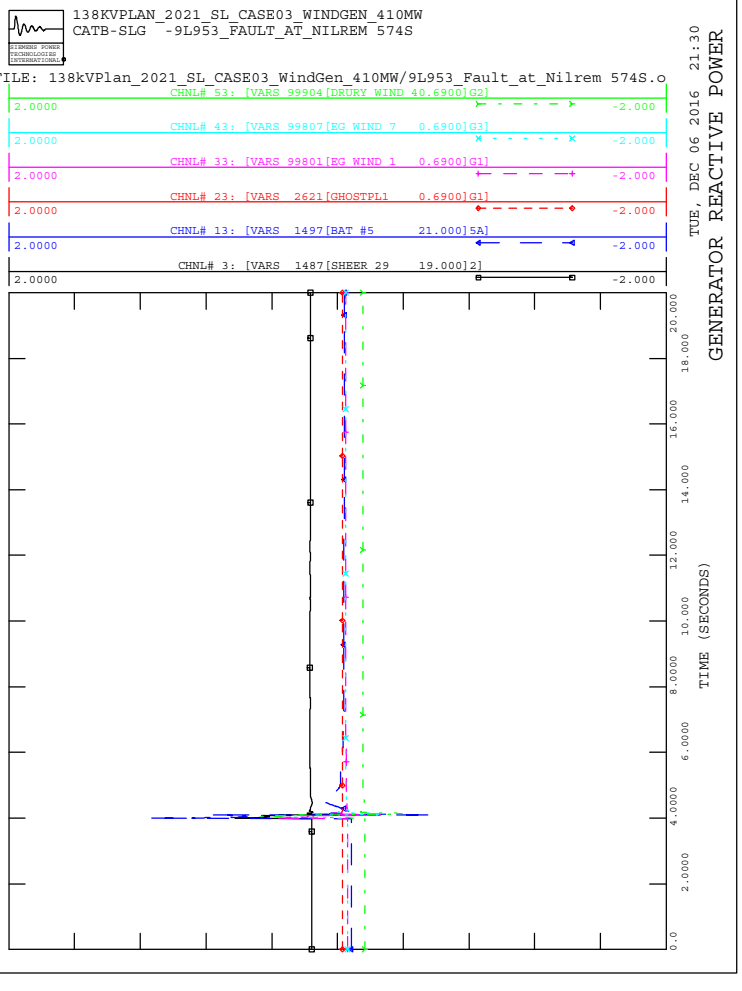
MACHINE ANGLE

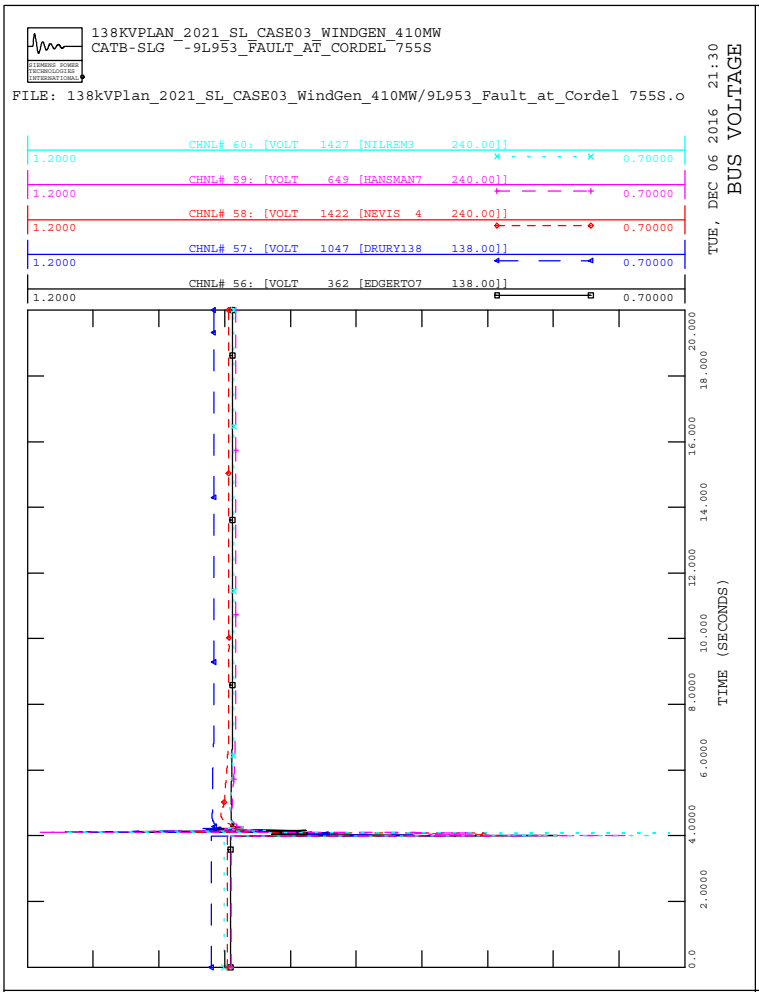


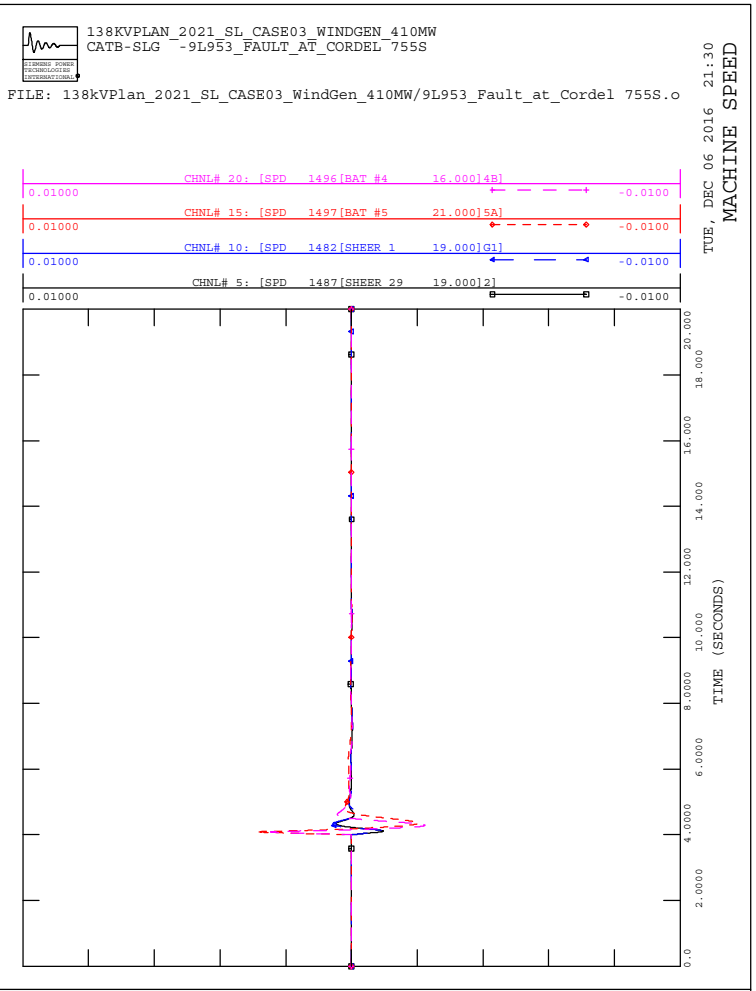

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

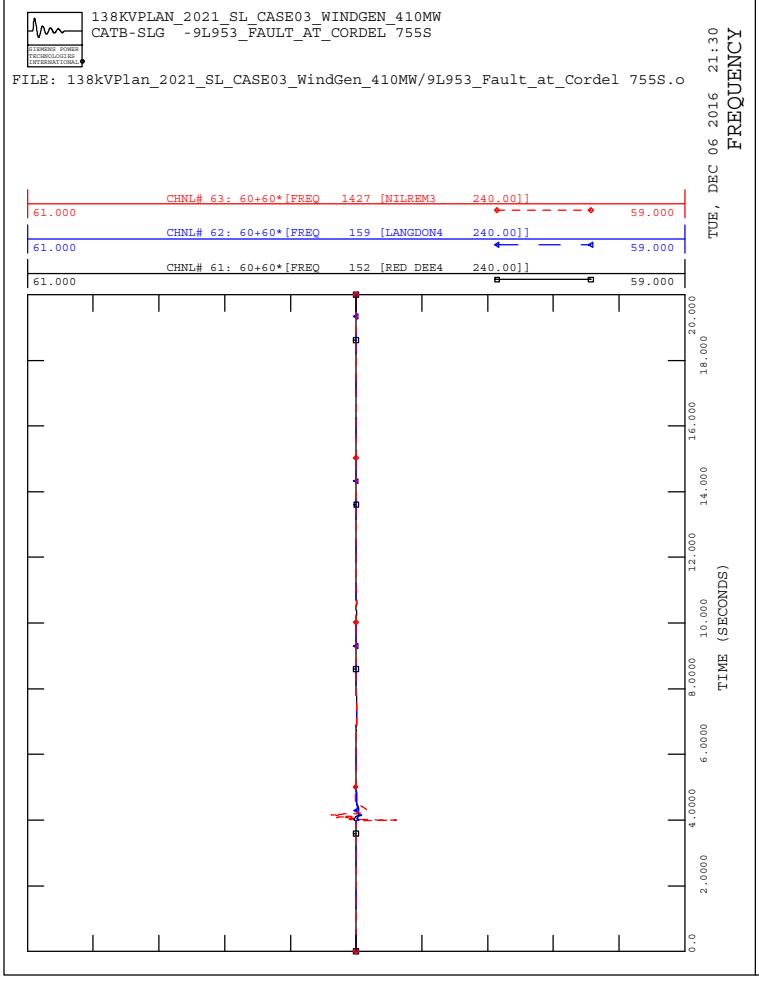

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

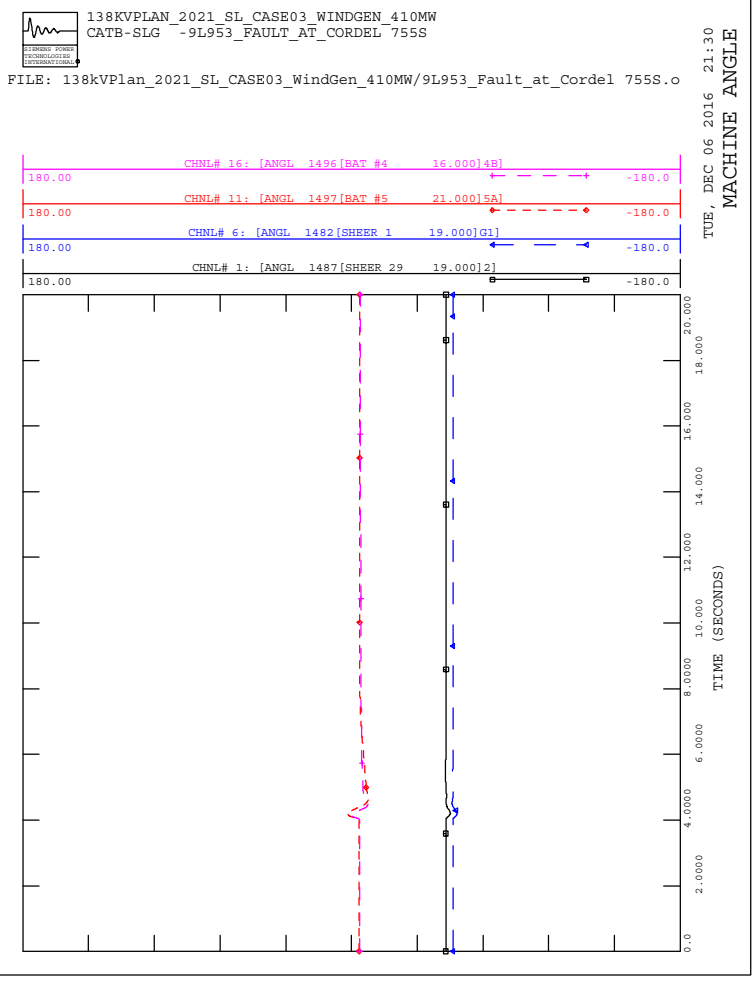

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

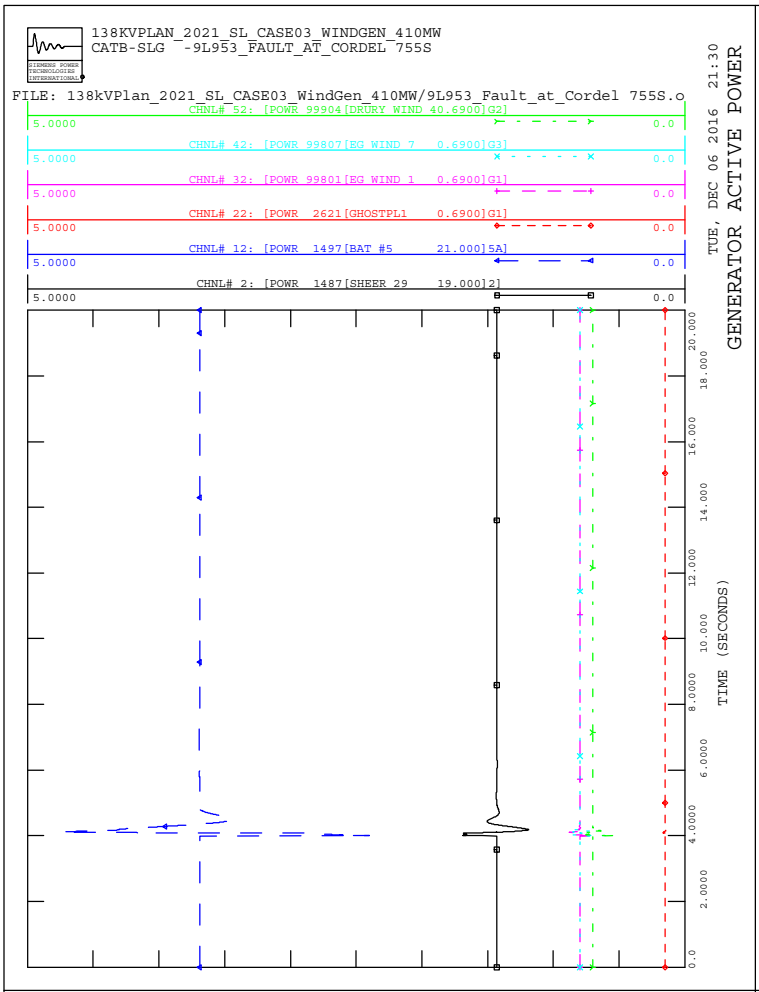

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

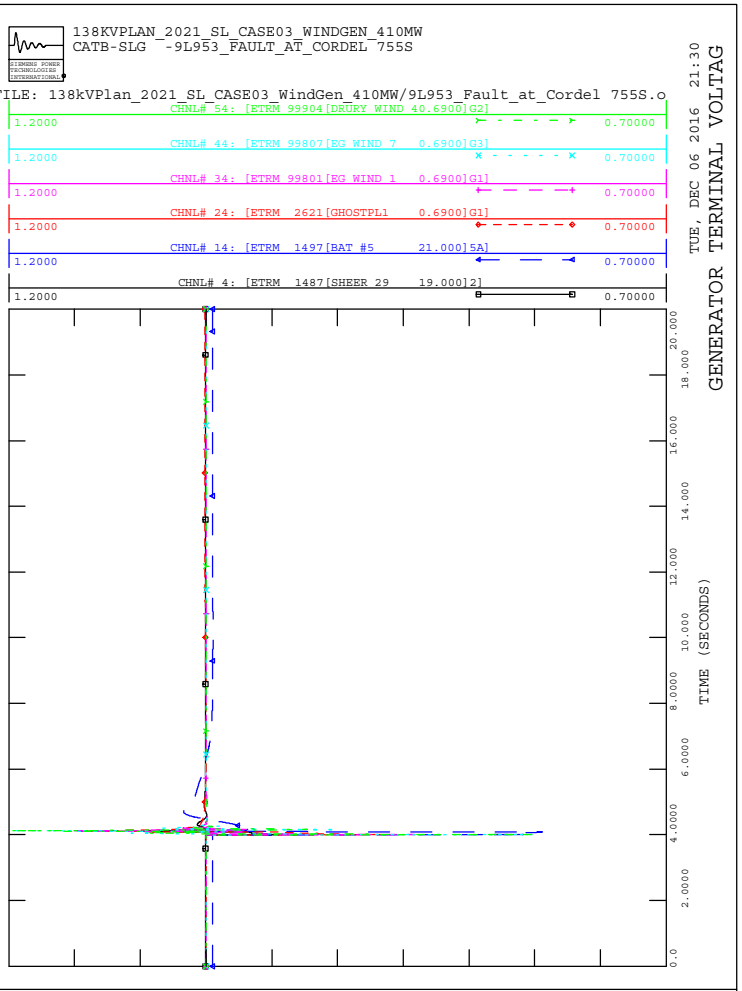

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
TUE, DEC 06 2016 21:30
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

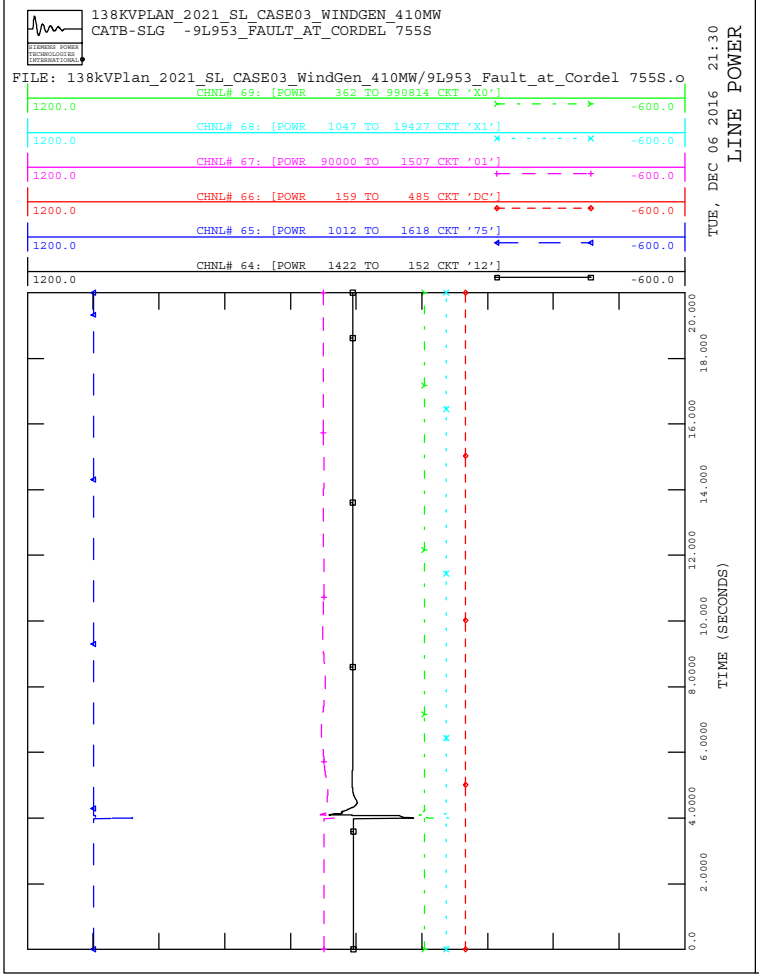

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
TUE, DEC 06 2016 21:30
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

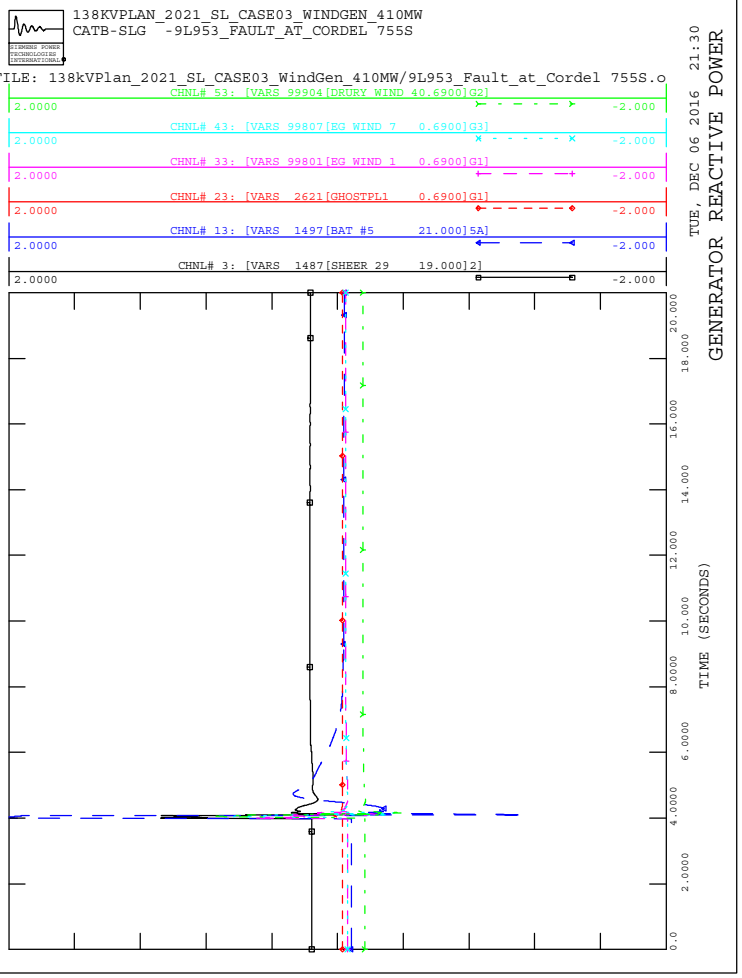

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
TUE, DEC 06 2016 21:30
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
TUE, DEC 06 2016 21:30
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
LINE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:30

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:30

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:30

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S

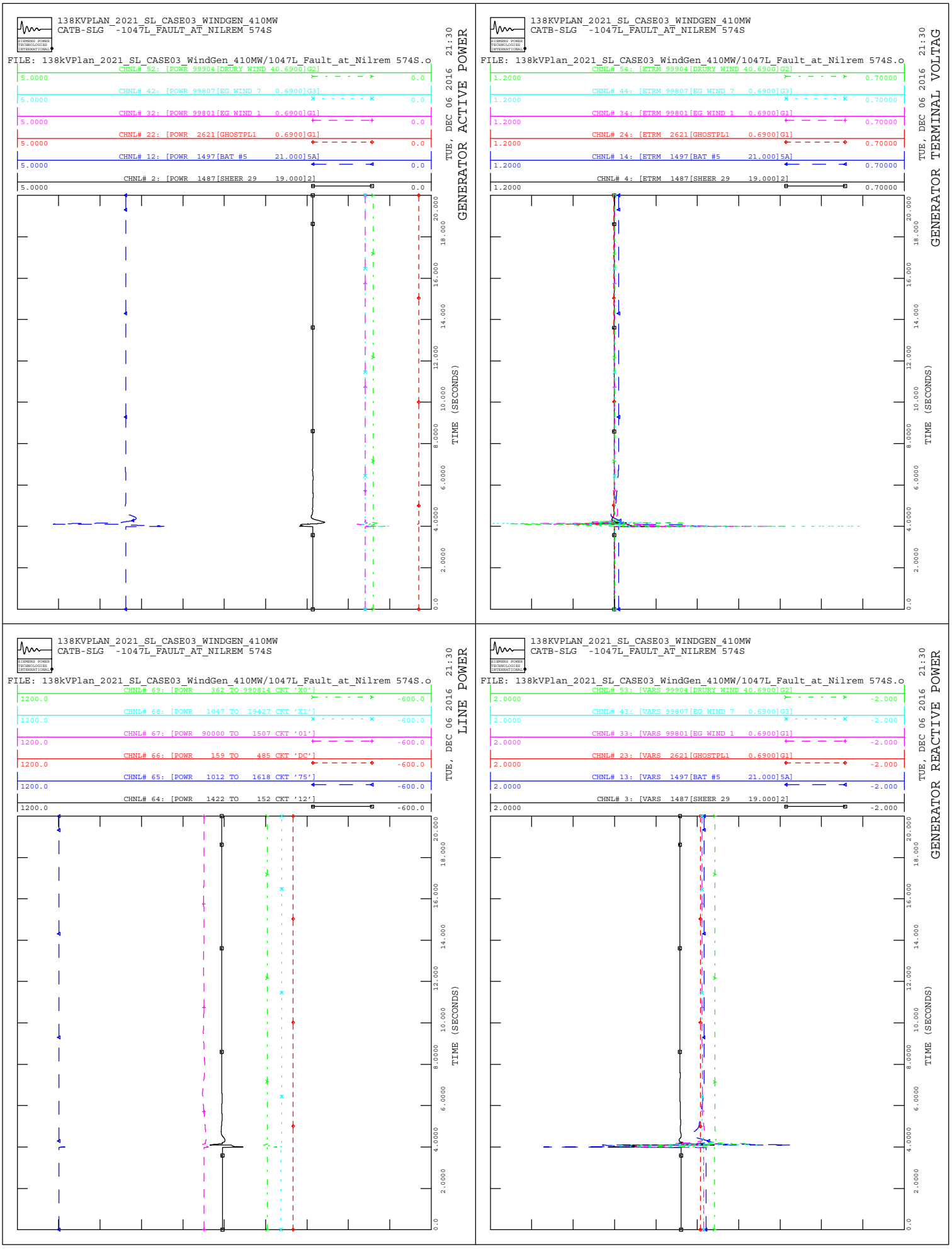
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:30

MACHINE ANGLE

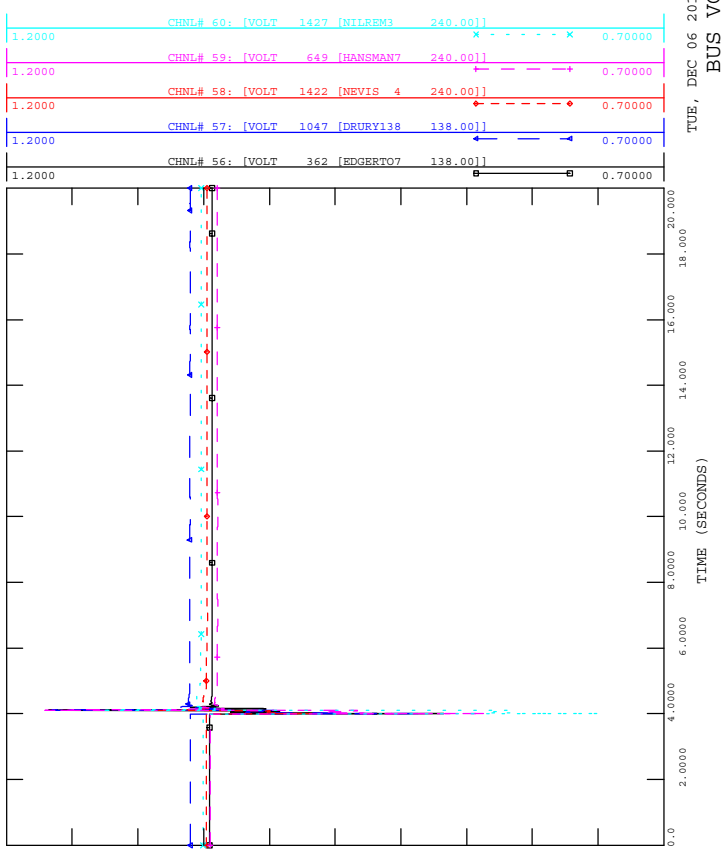
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
TUE, DEC 06 2016 21:30
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

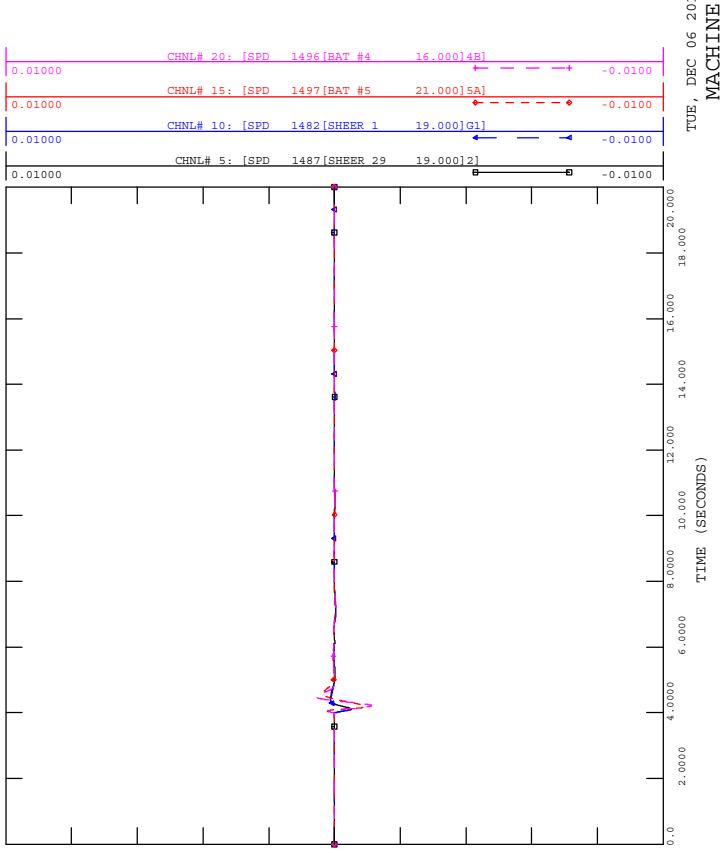
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:30
BUS VOLTAGE

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

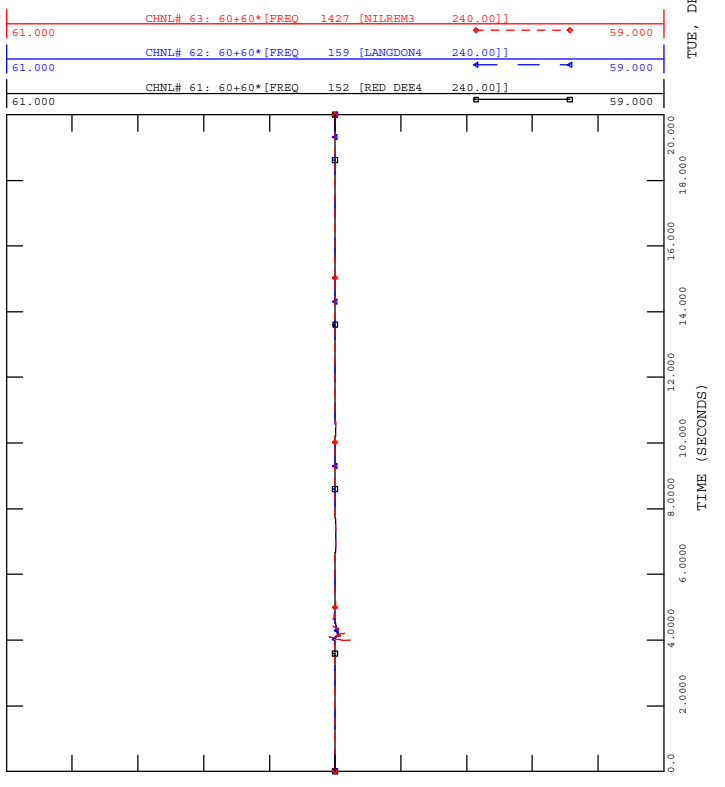
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:30
MACHINE SPEED

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

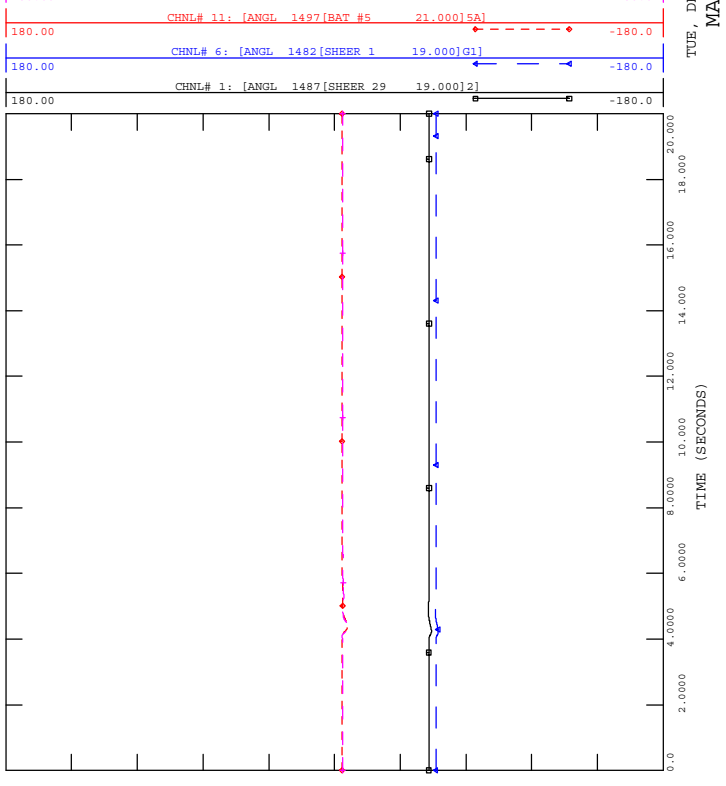
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake



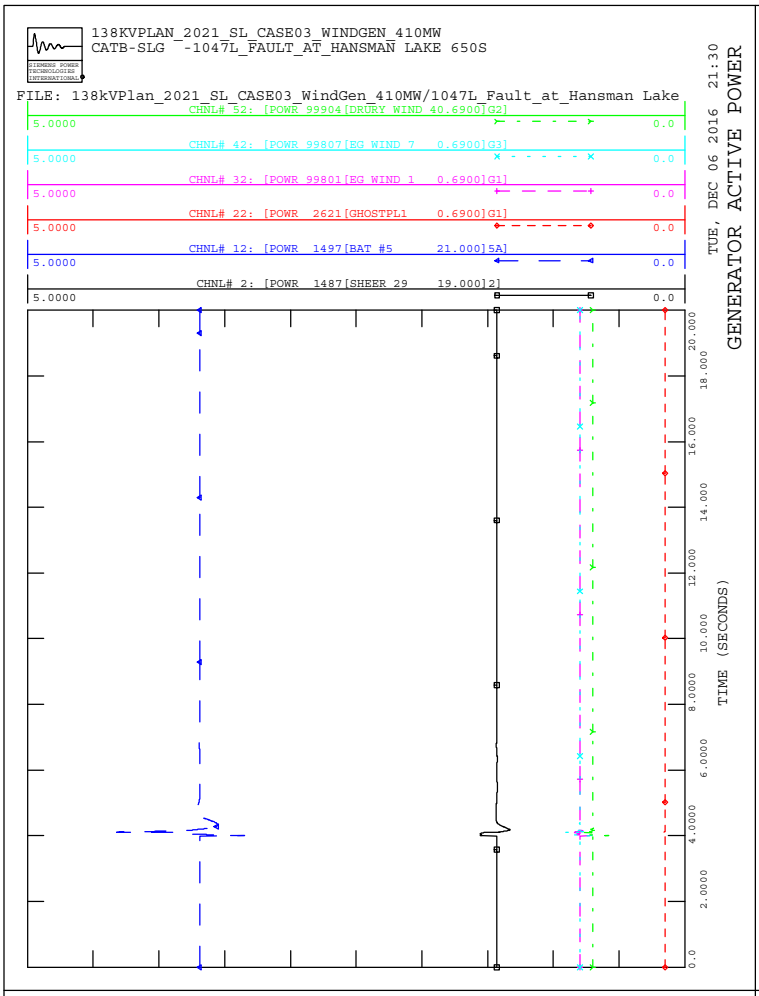
TUE, DEC 06 2016 21:30
FREQUENCY

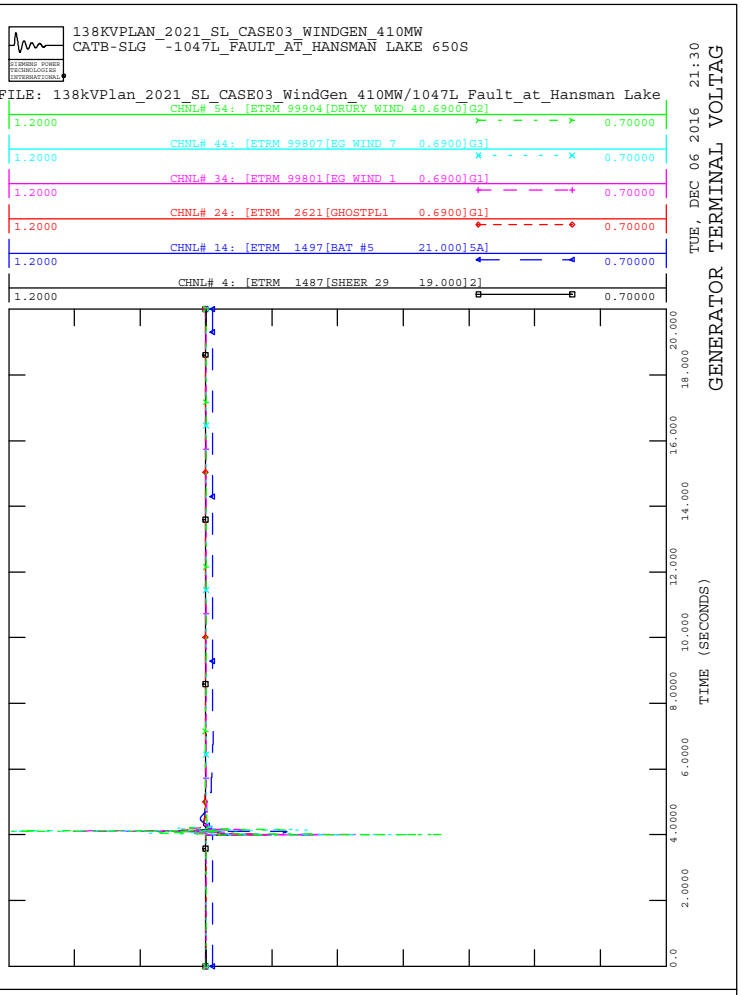
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

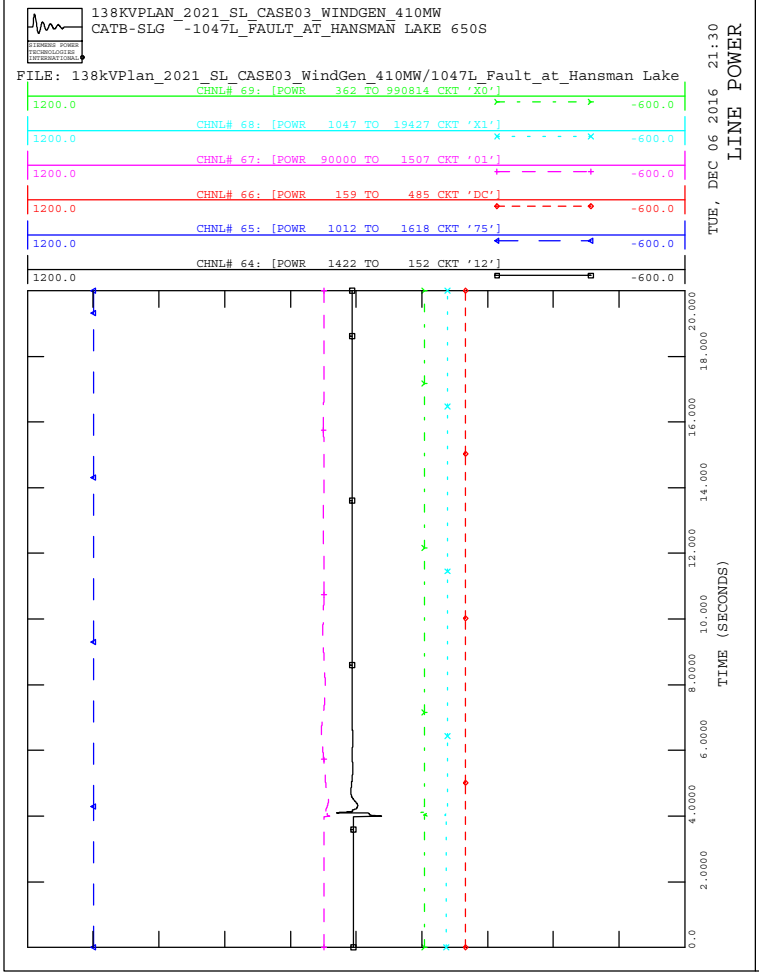
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake

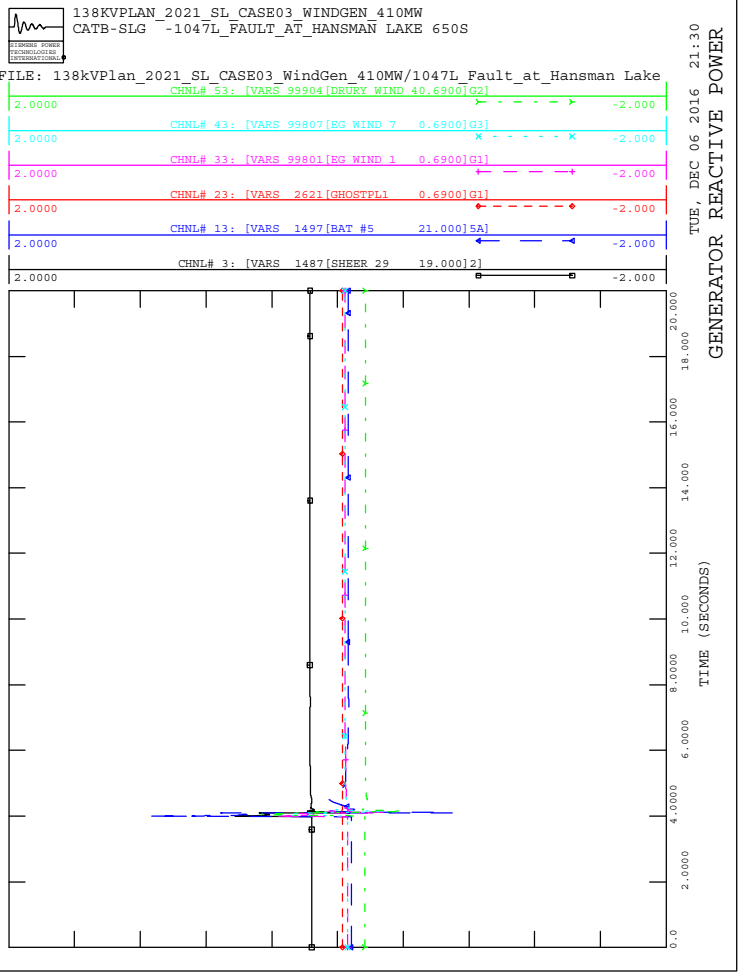


TUE, DEC 06 2016 21:30
MACHINE ANGLE


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

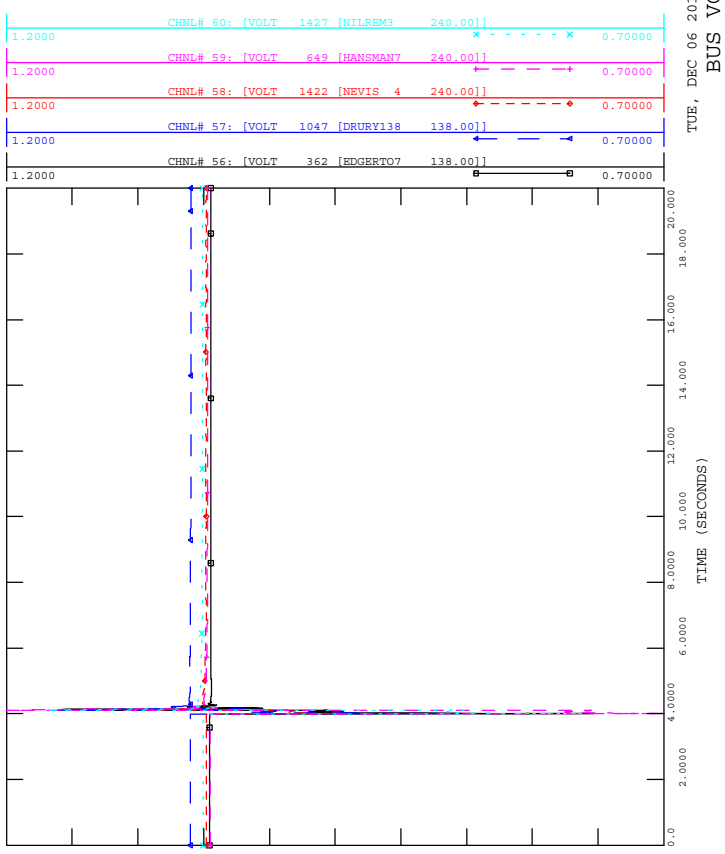

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

BUS VOLTAGE

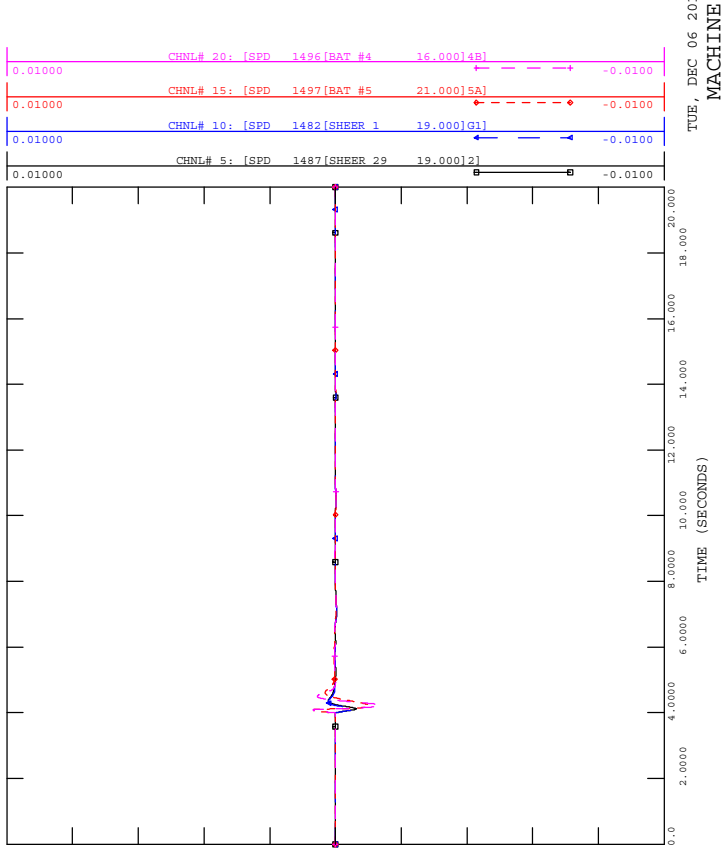


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

MACHINE SPEED

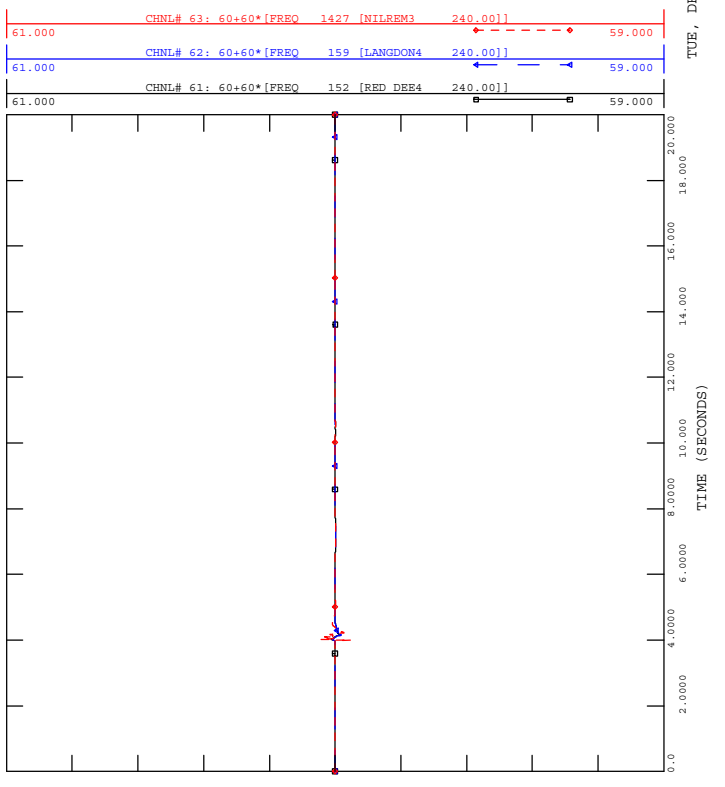


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

FREQUENCY

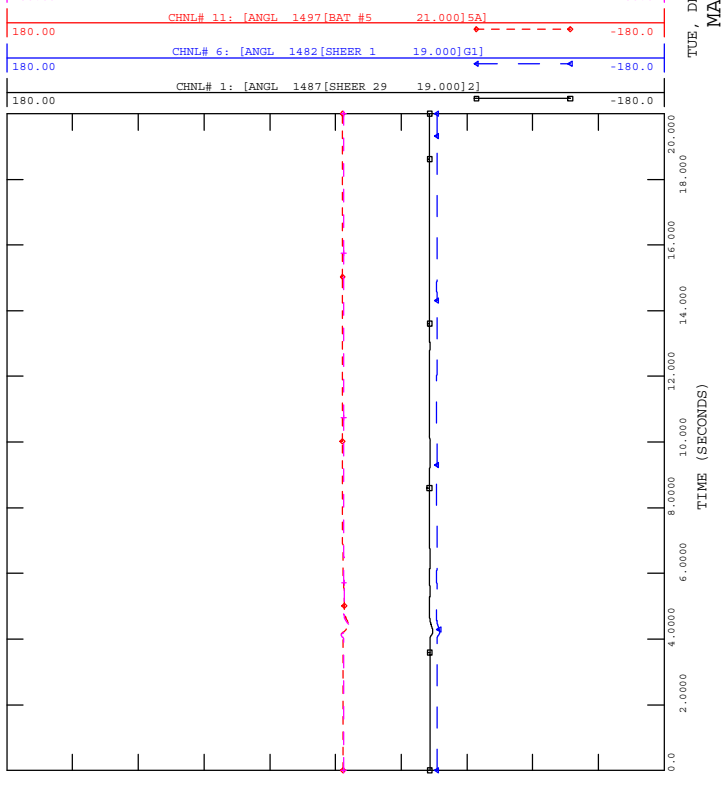


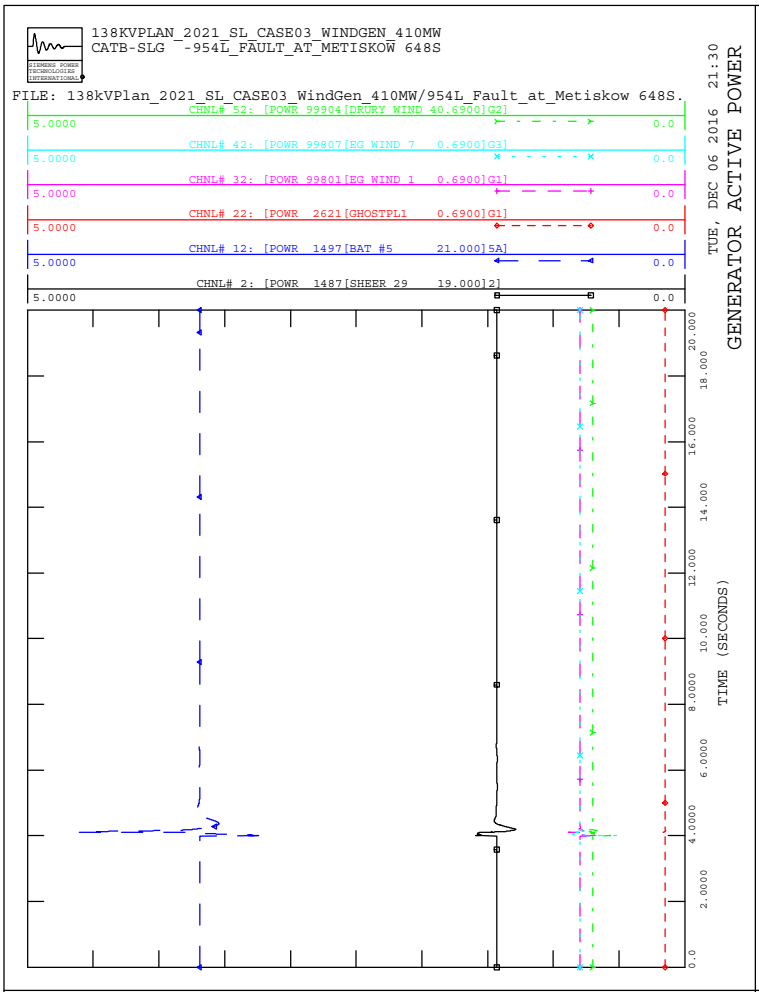
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

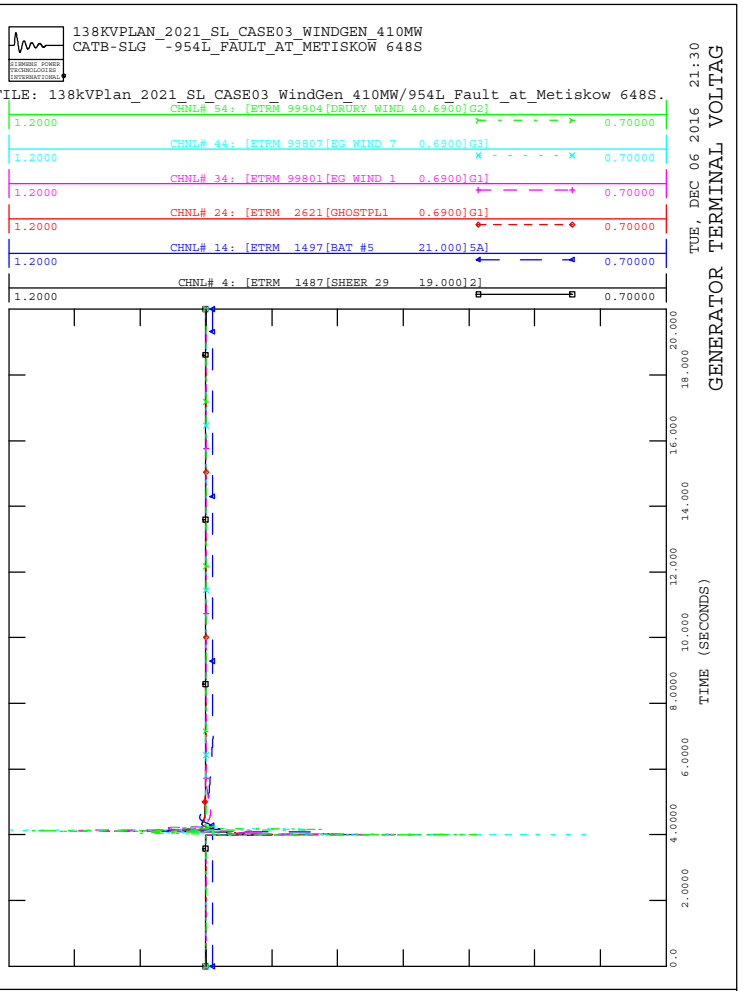
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:30

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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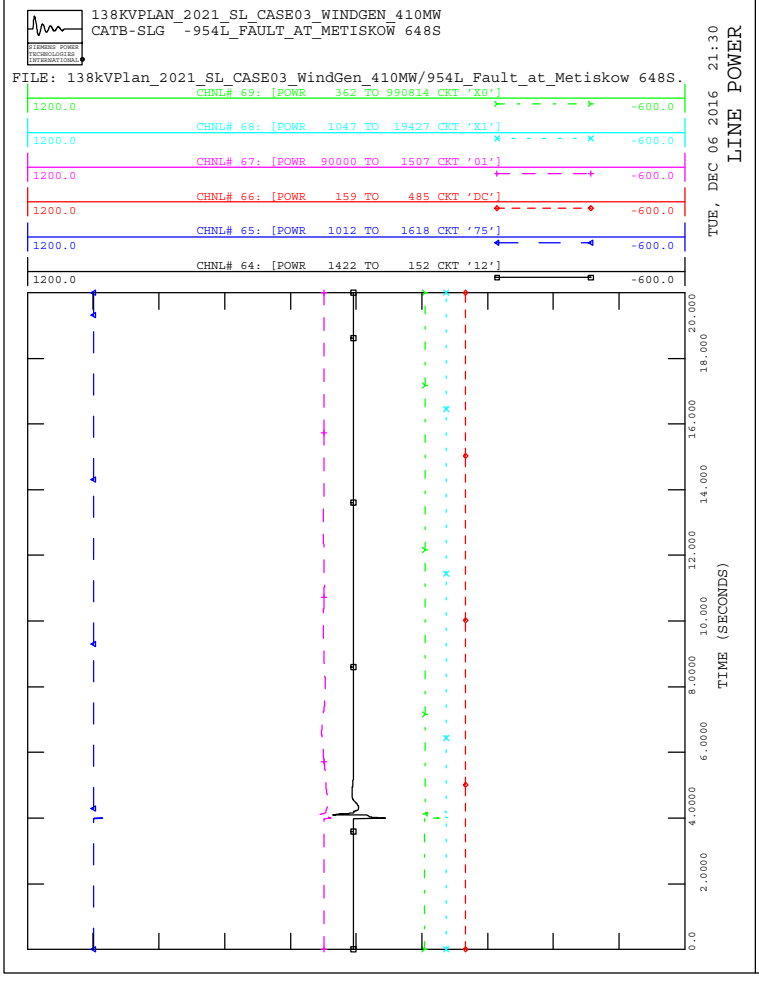
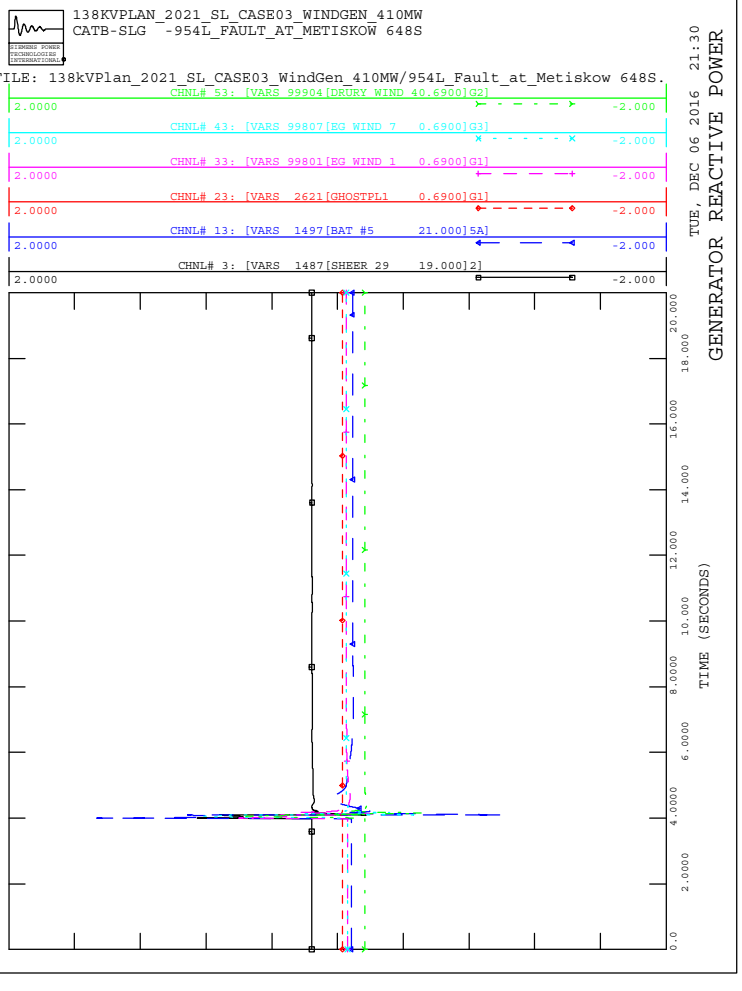
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

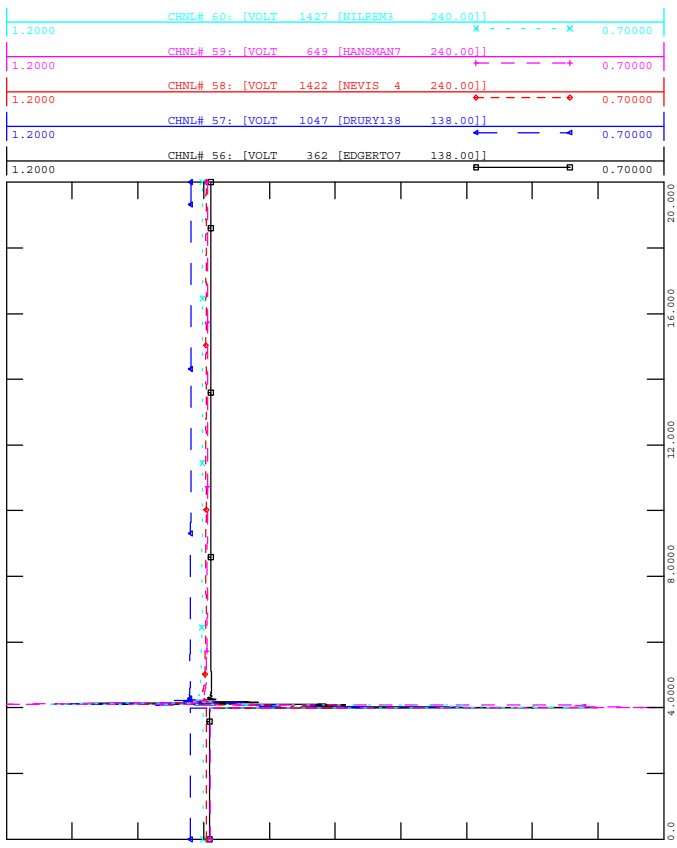

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:30

BUS VOLTAGE

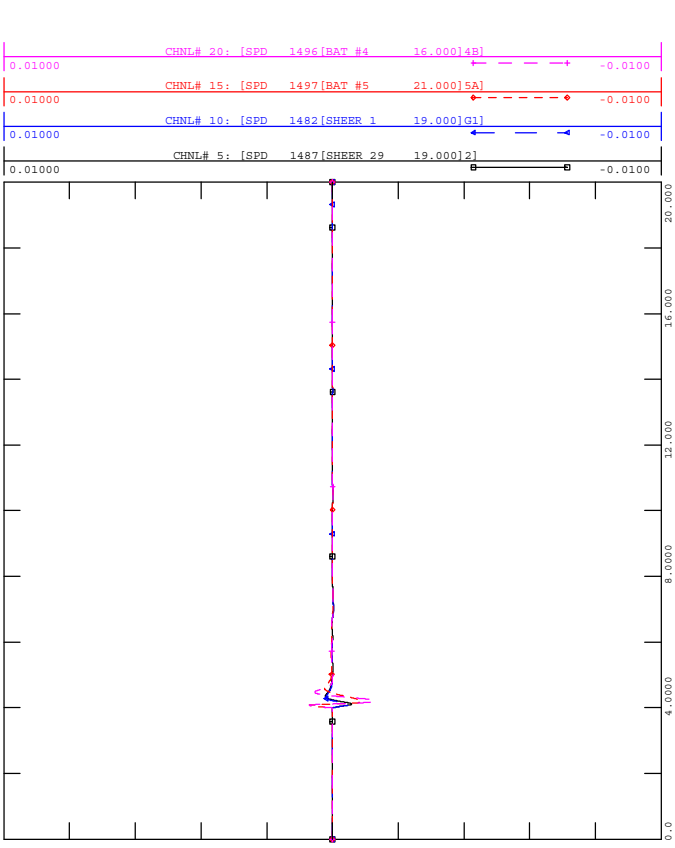


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:30

MACHINE SPEED

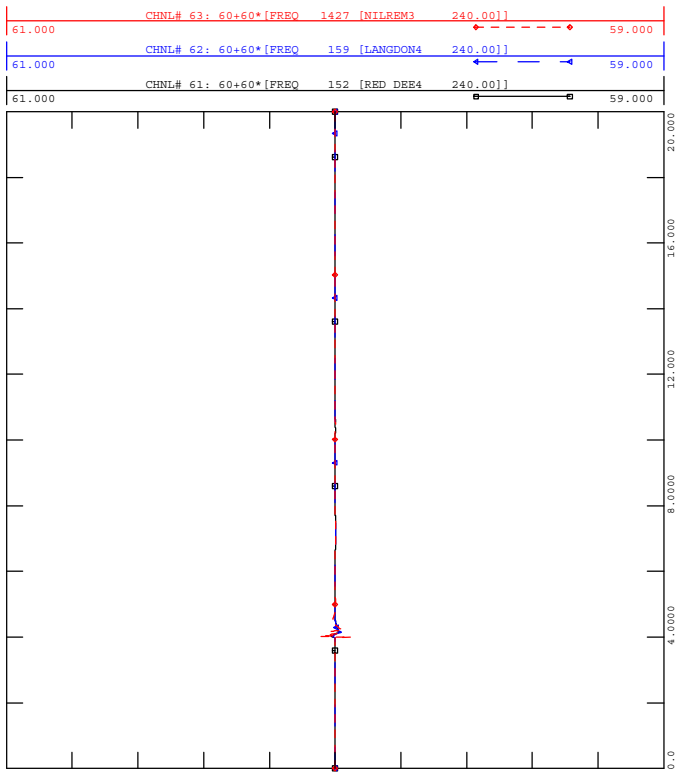


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:30

FREQUENCY

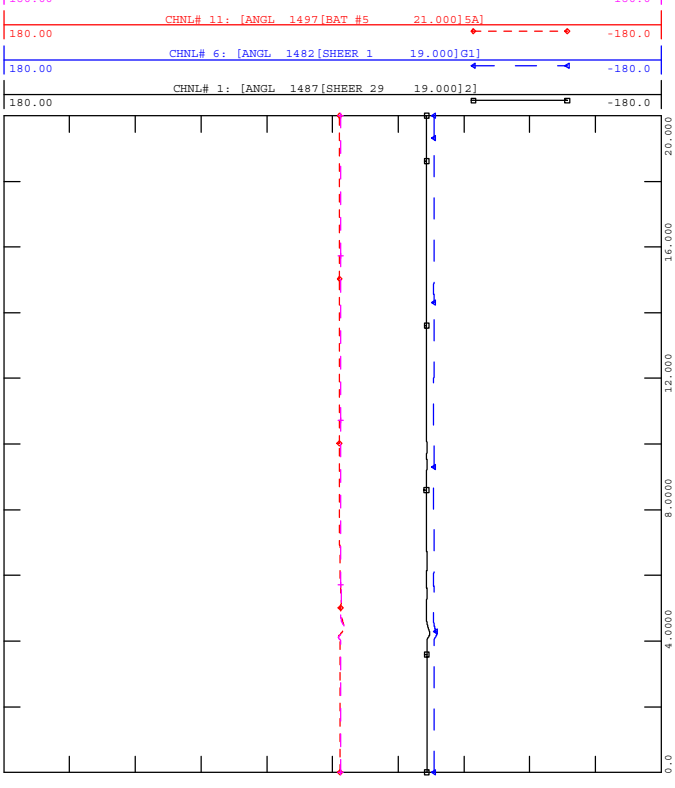


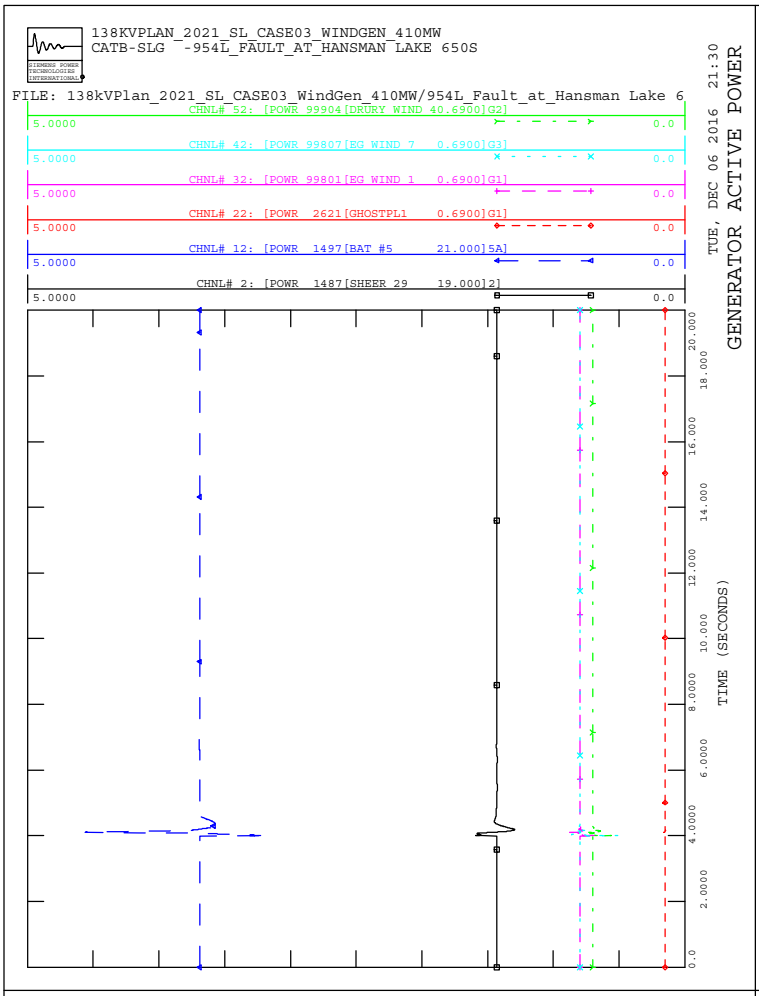
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

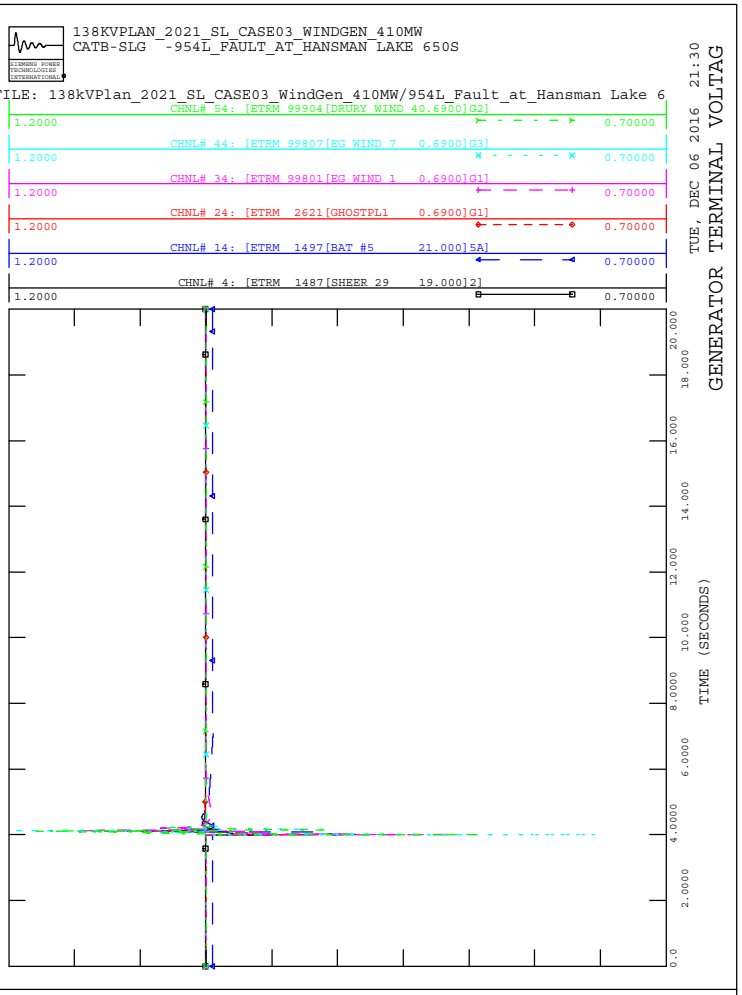
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:30

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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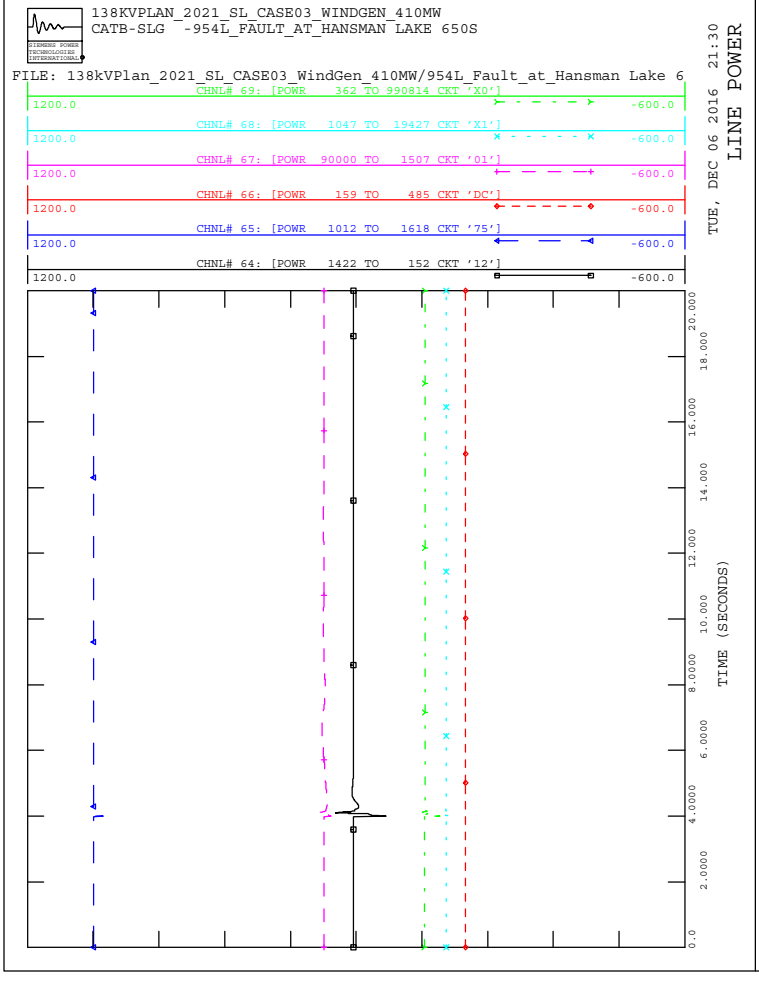
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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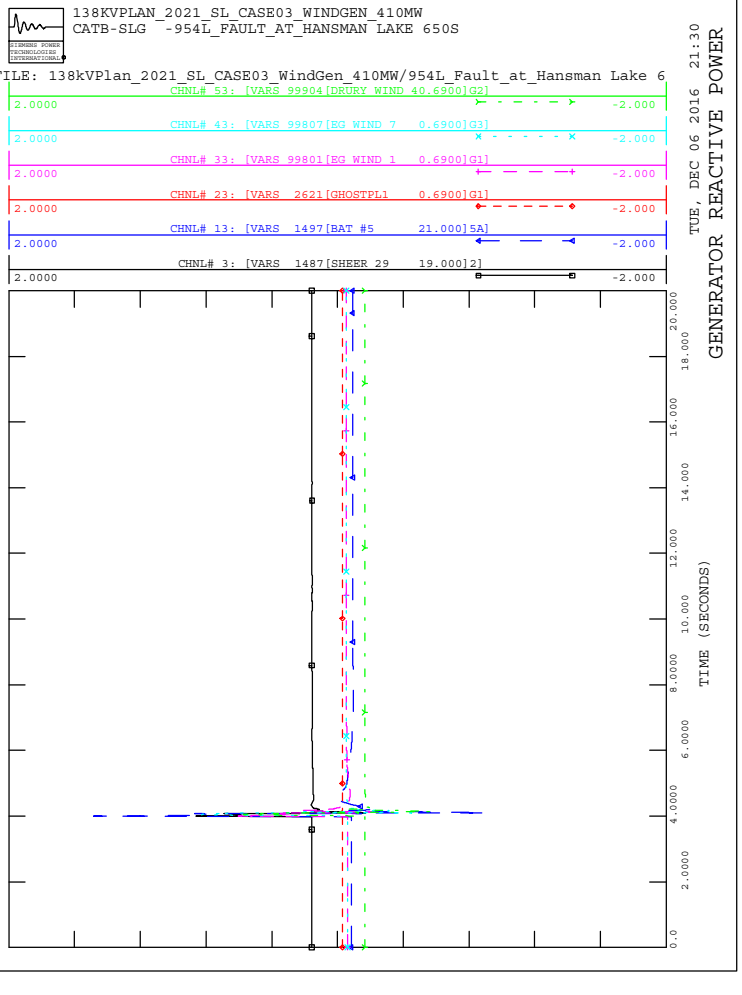
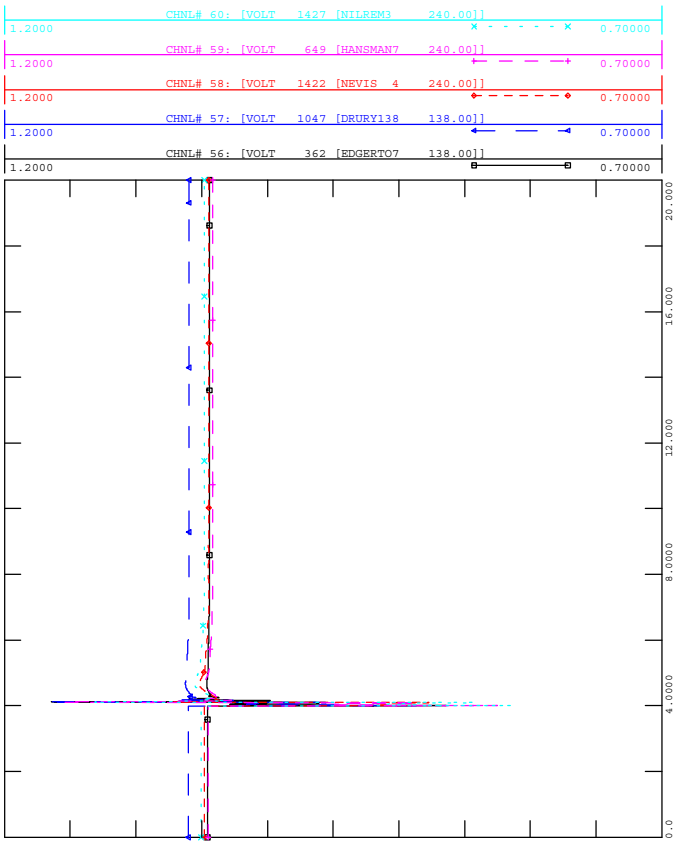

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:30

BUS VOLTAGE

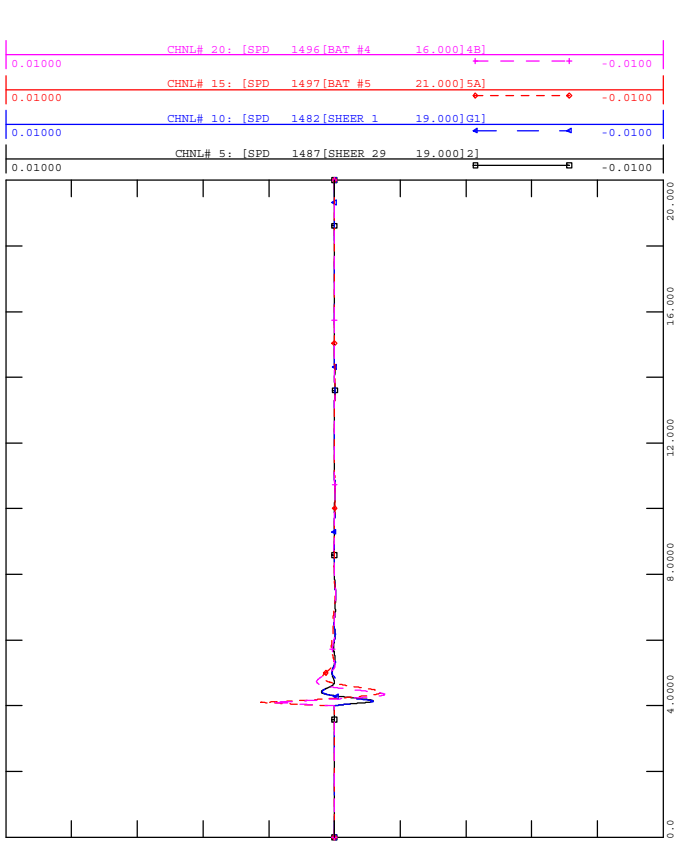


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:30

MACHINE SPEED

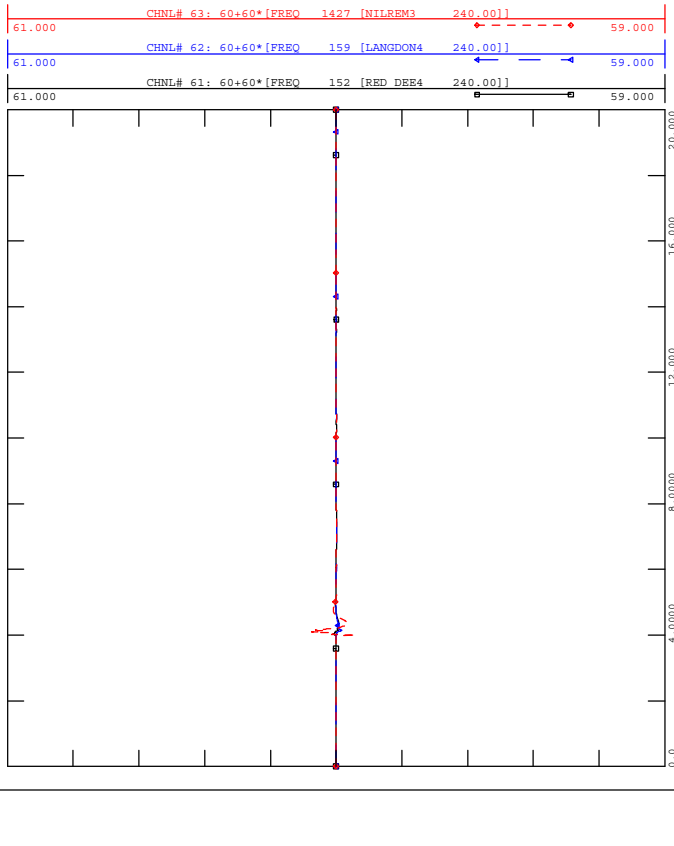


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:30

FREQUENCY

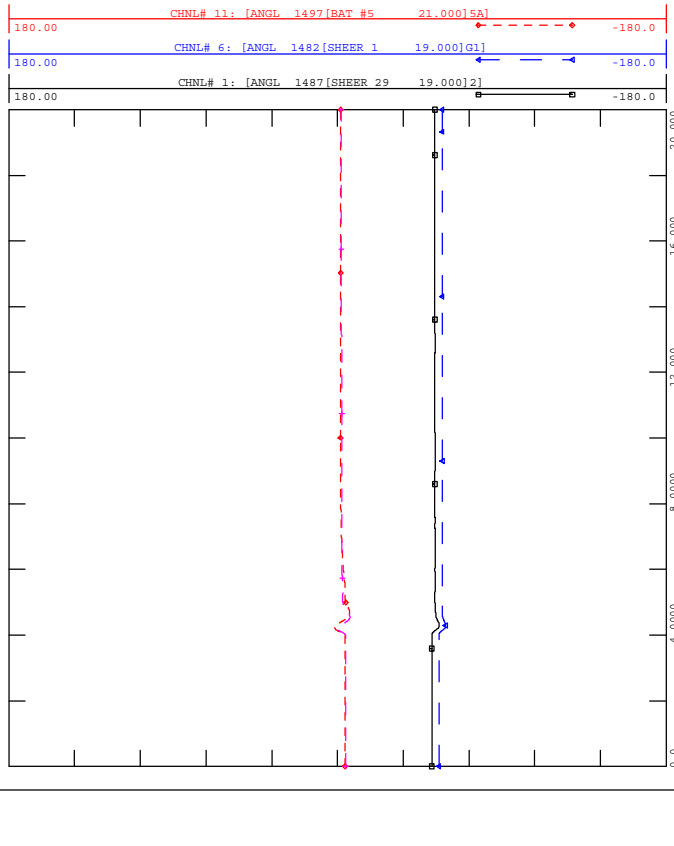


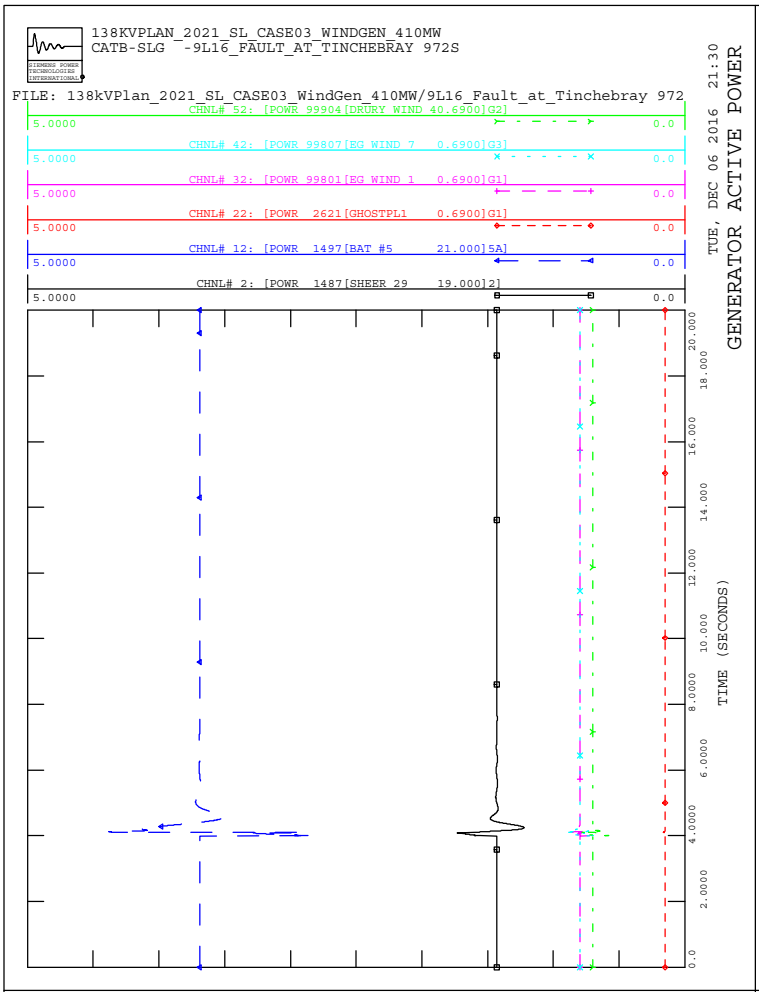
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

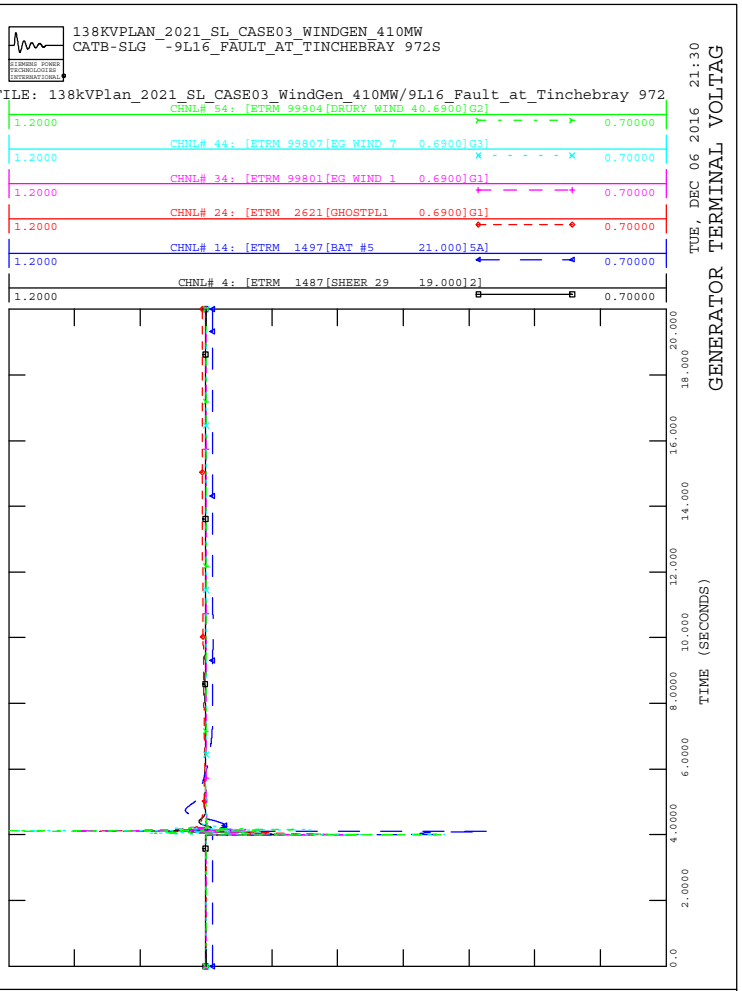
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:30

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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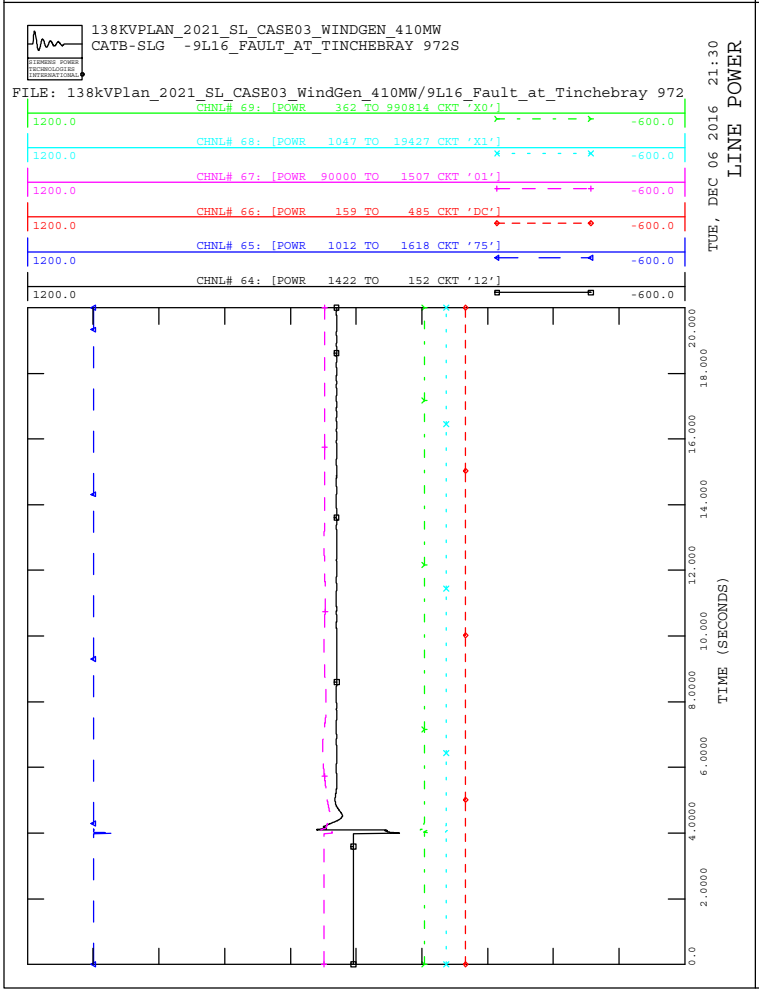
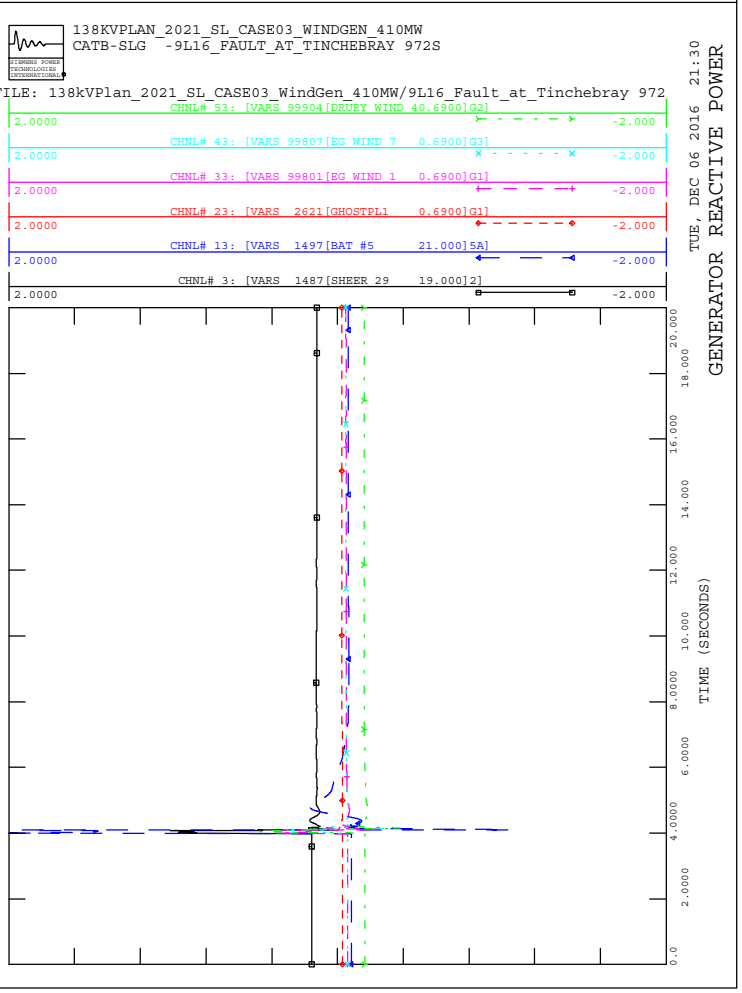
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

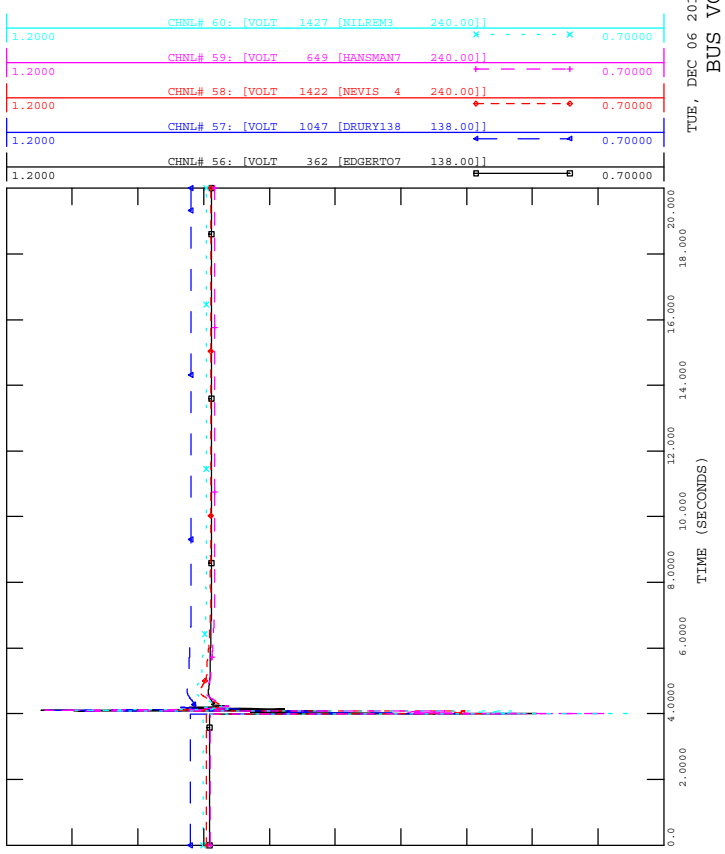

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

BUS VOLTAGE

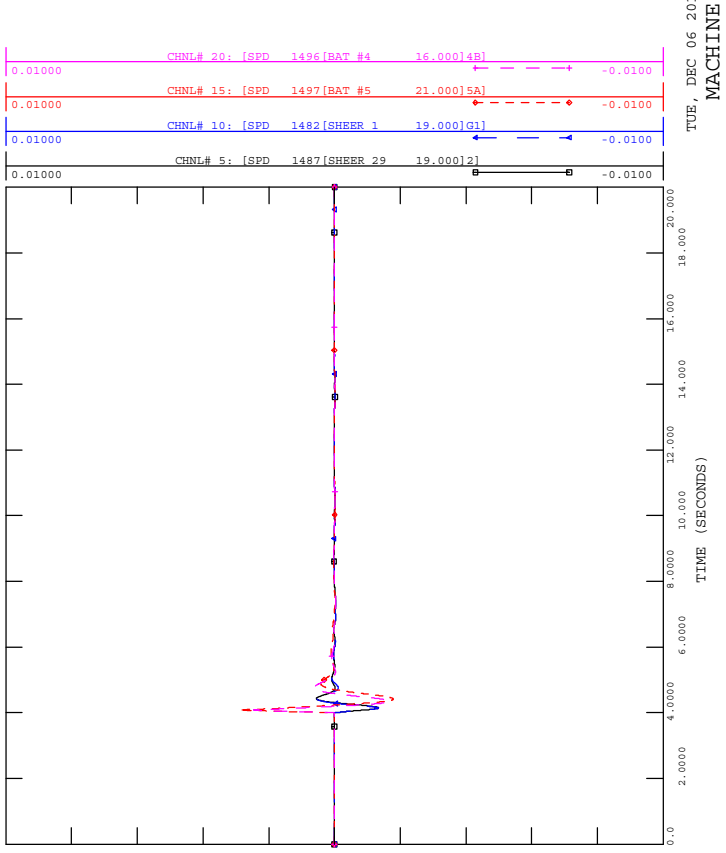


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

MACHINE SPEED

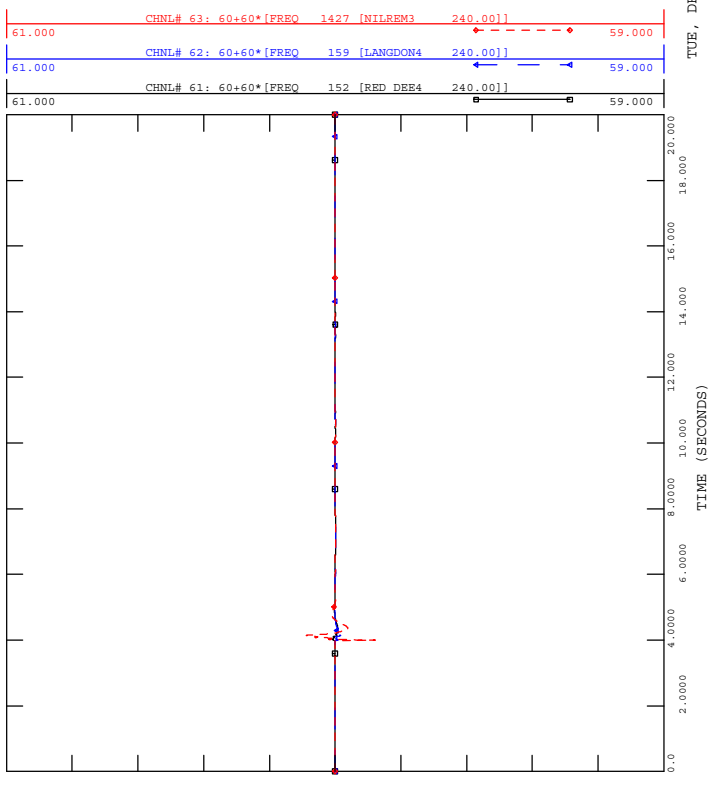


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

FREQUENCY

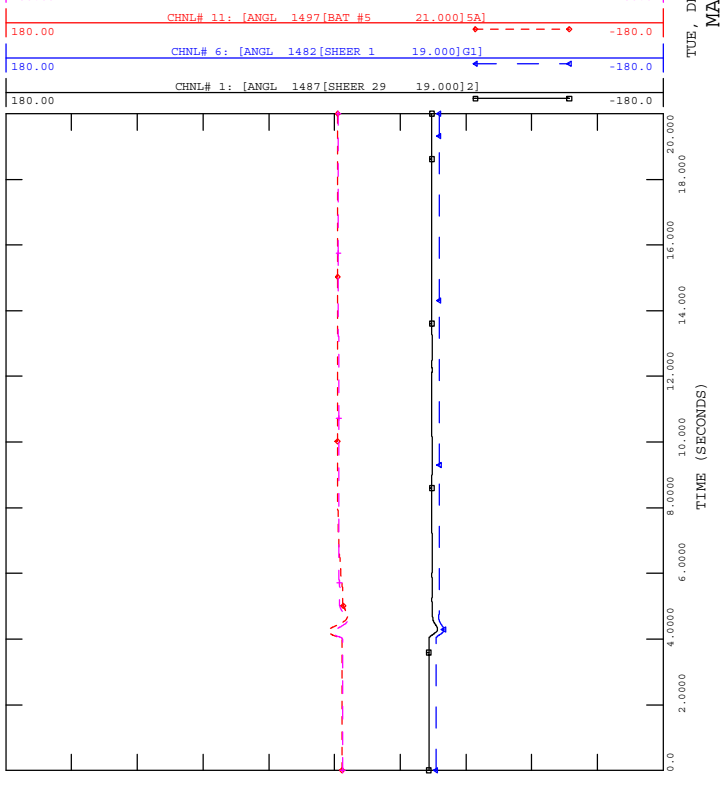


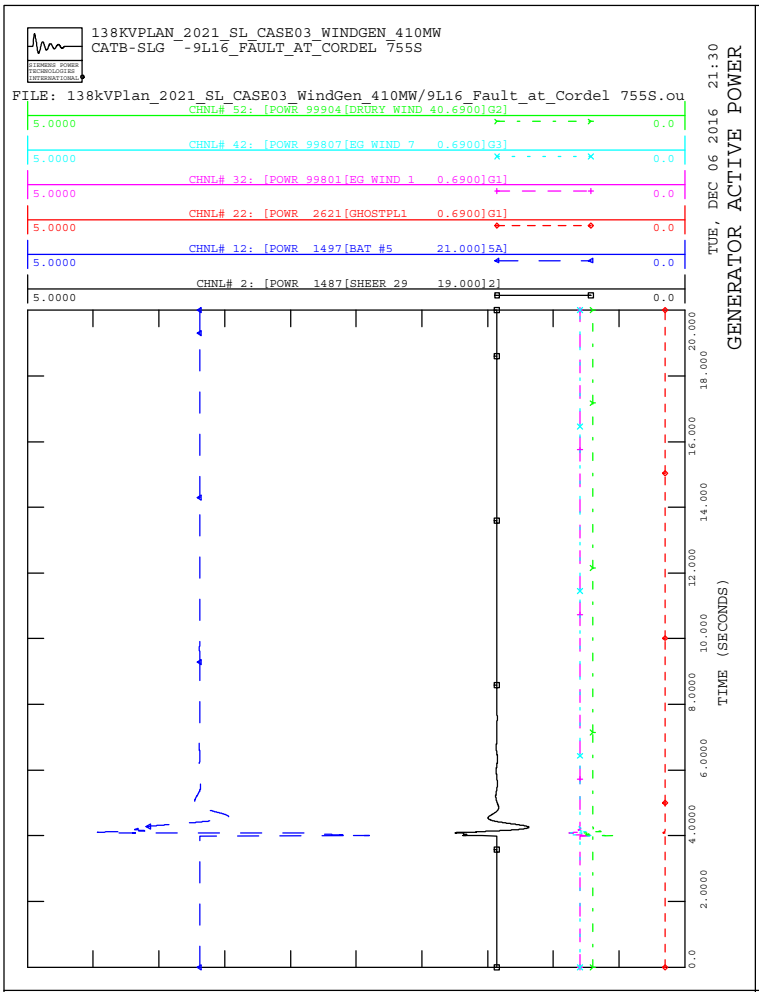
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

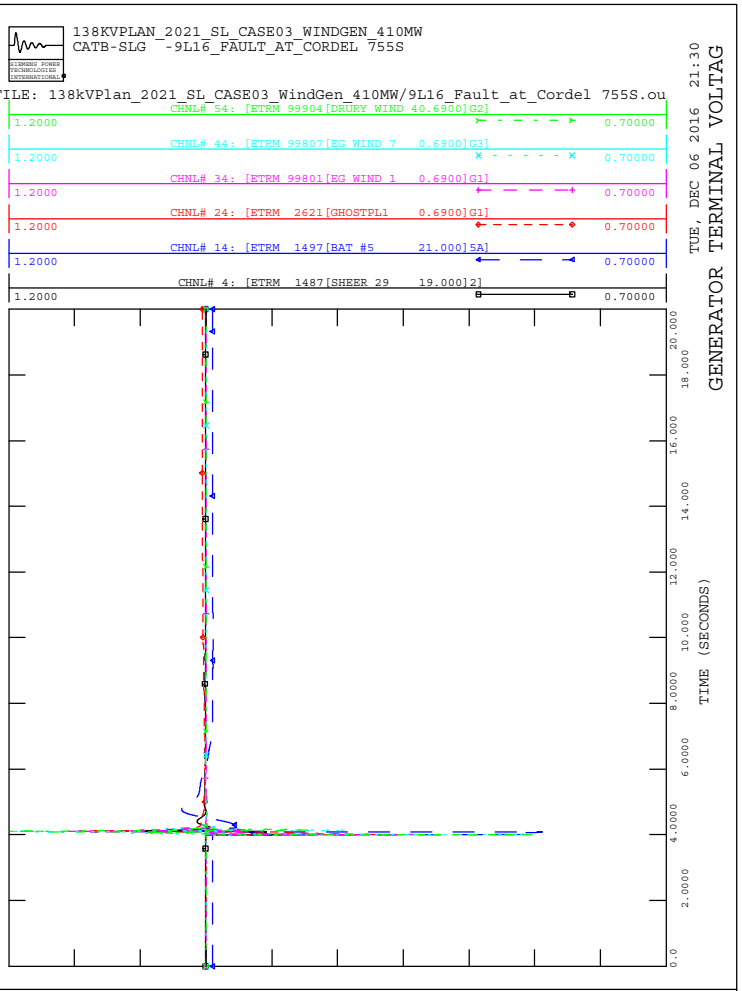
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
14.000
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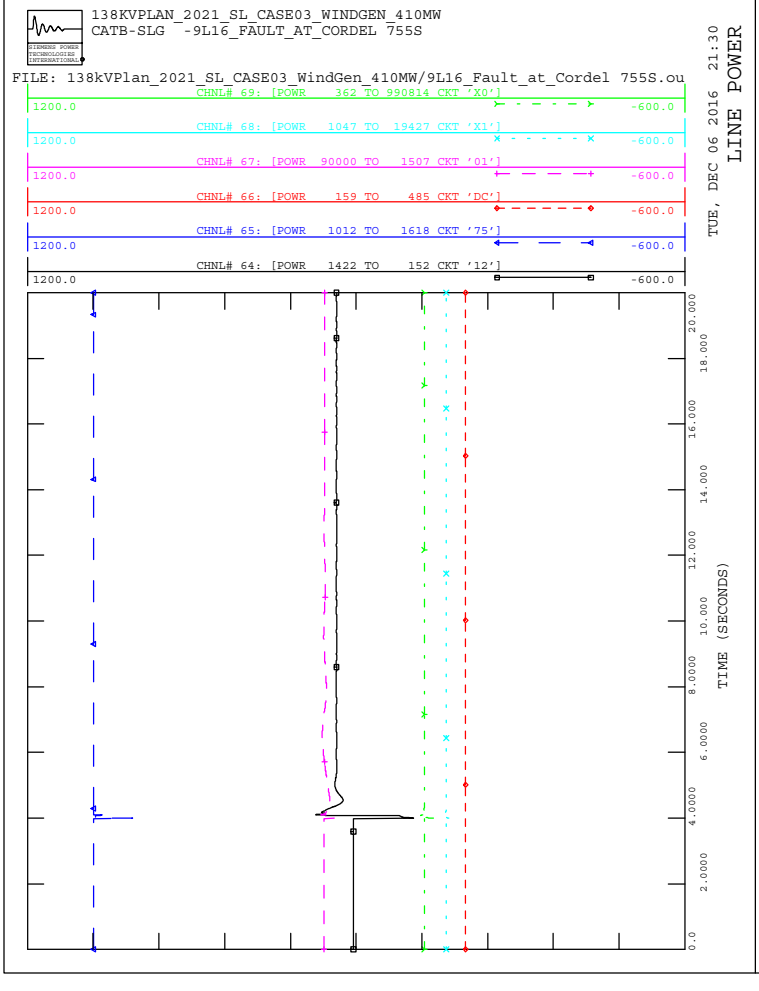
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
10.000
12.000
14.000
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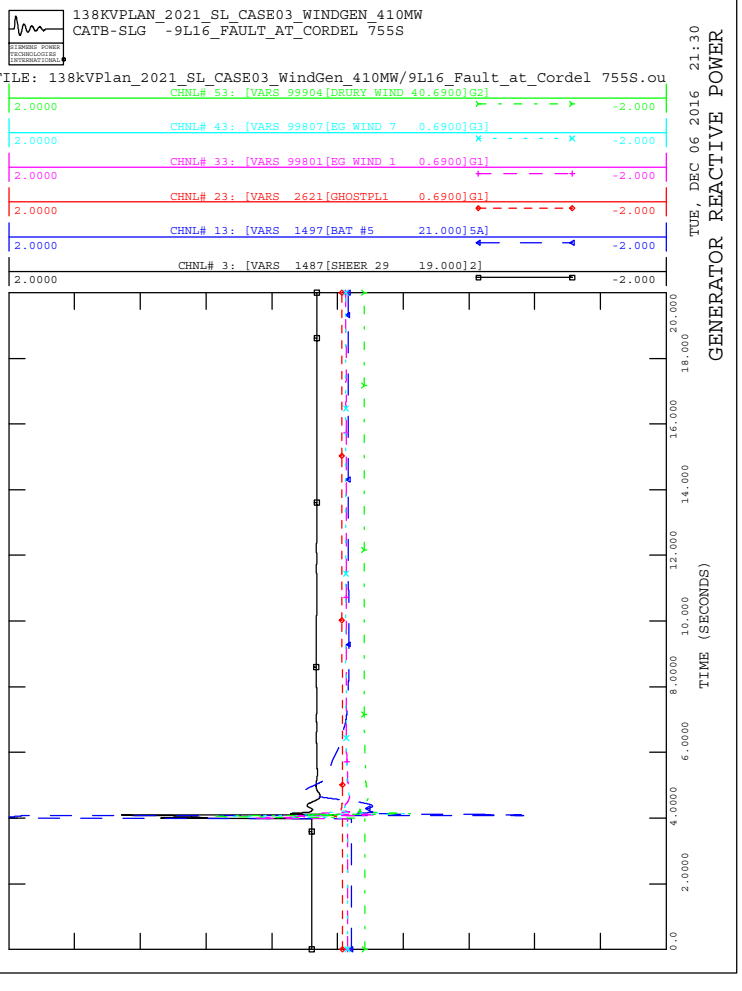
20.000

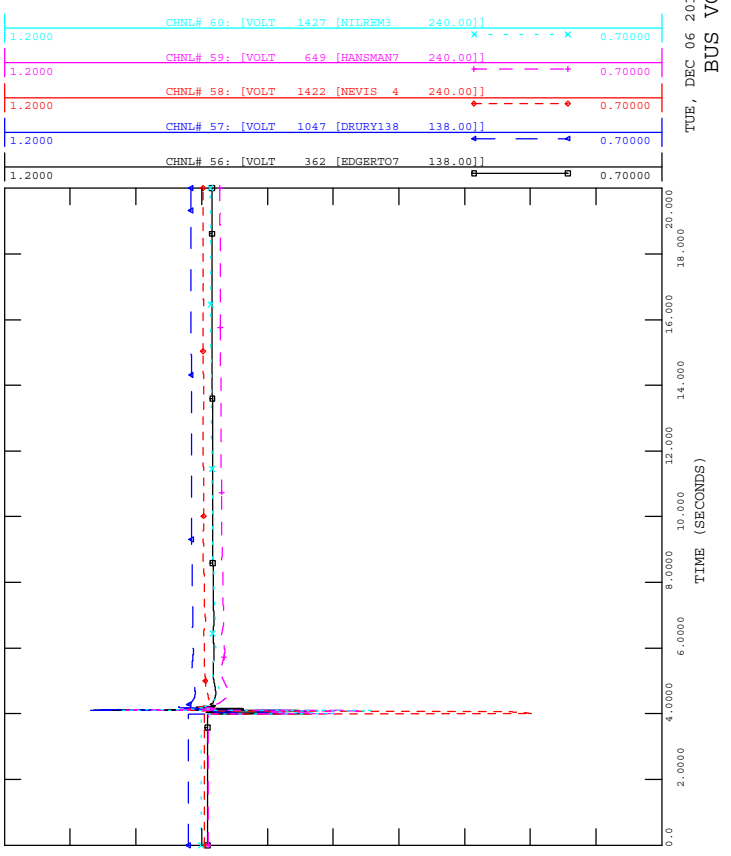

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:30

BUS VOLTAGE

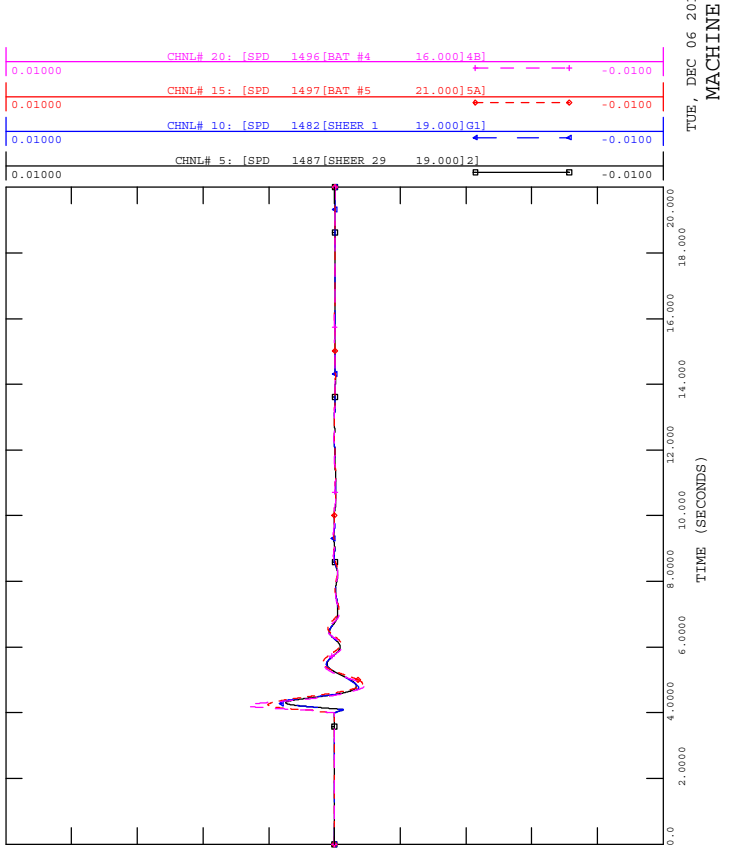


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:30

MACHINE SPEED

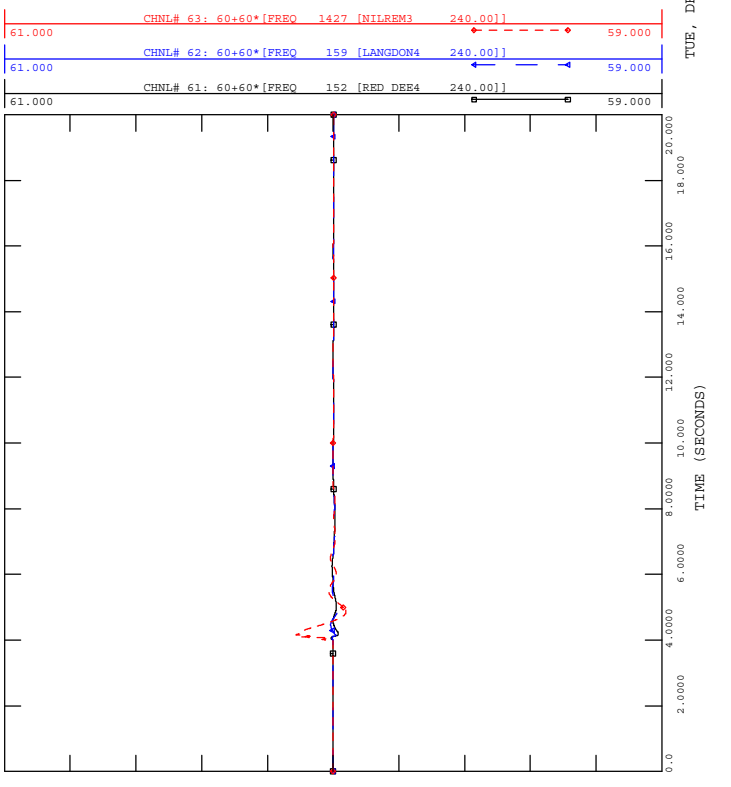


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:30

FREQUENCY

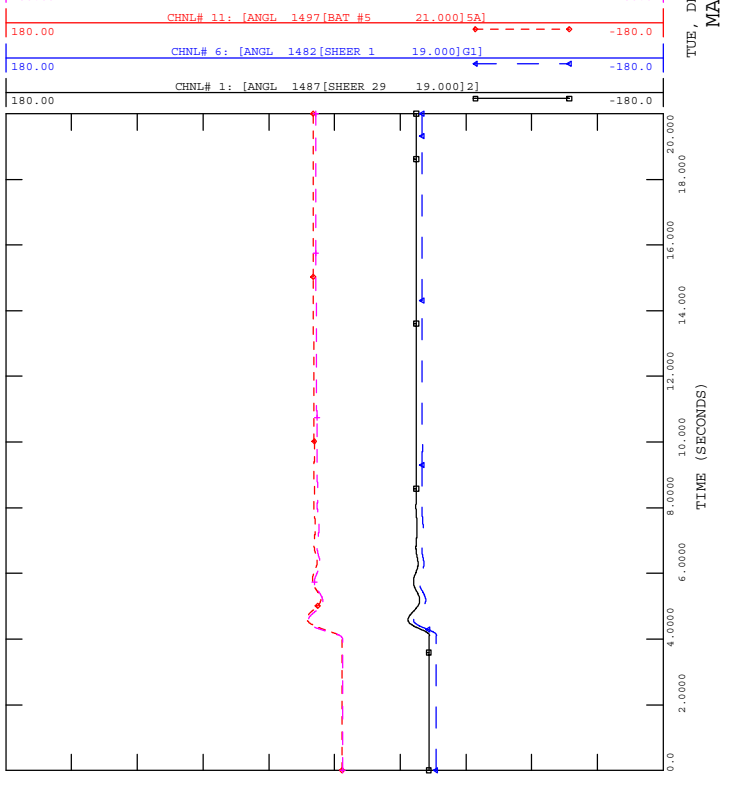


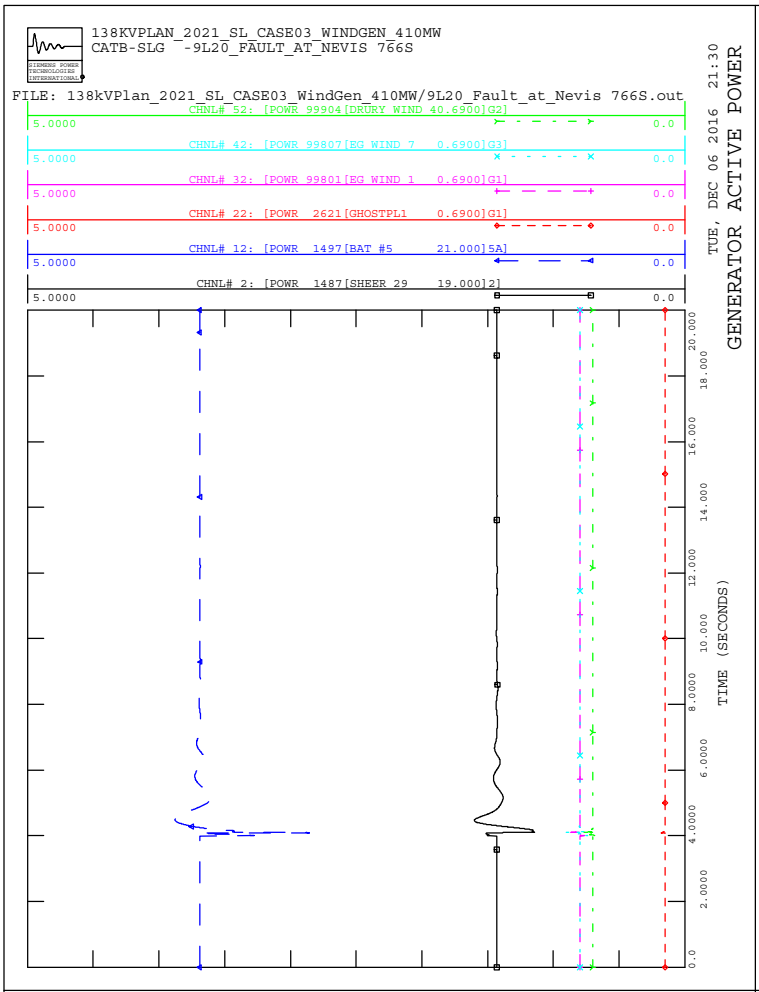
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:30

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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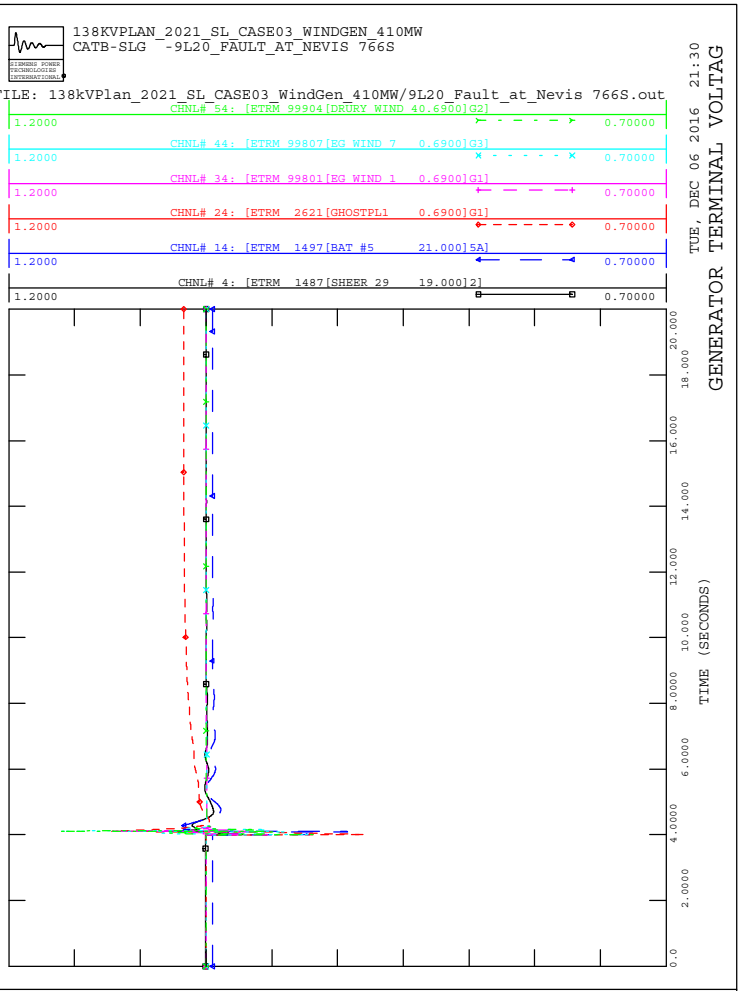
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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10.000
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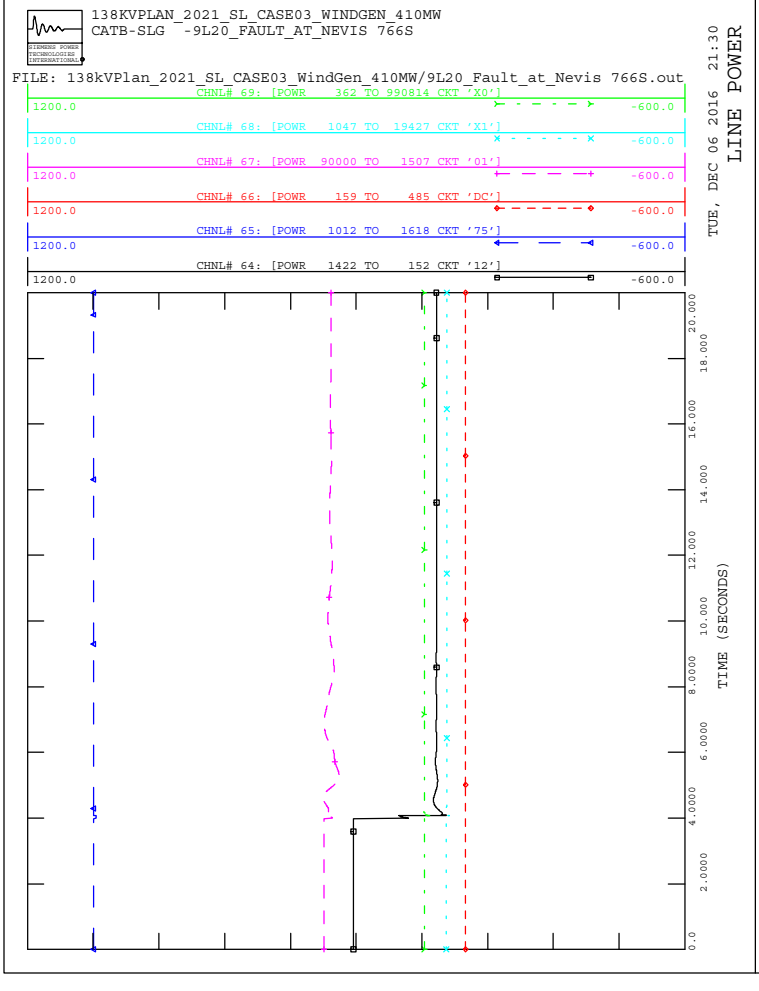
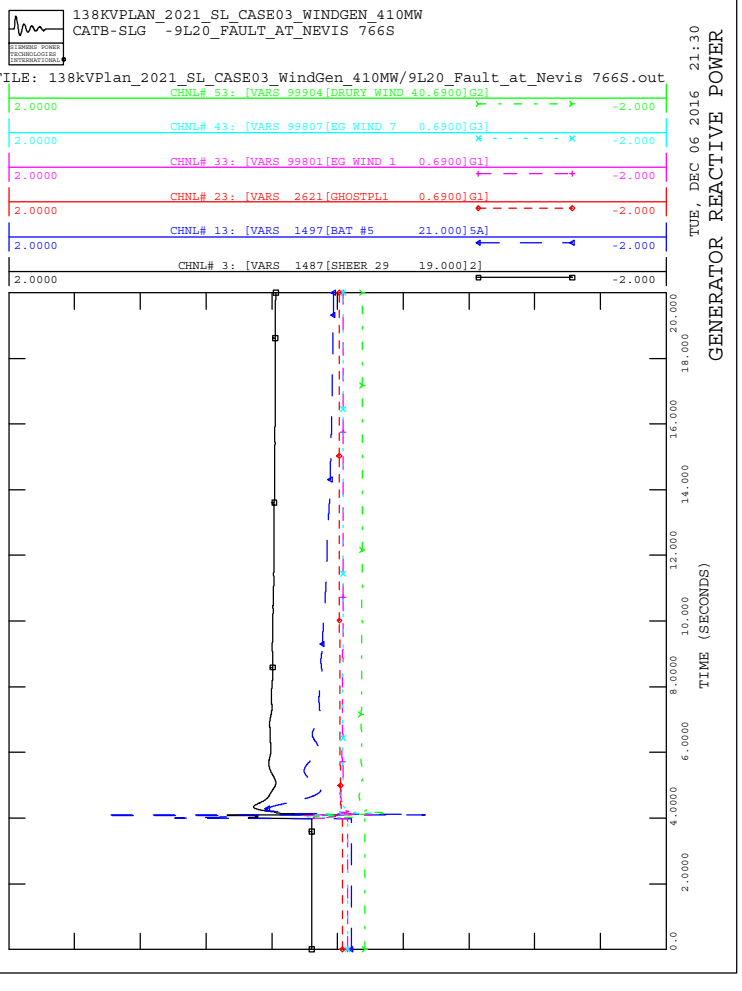

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

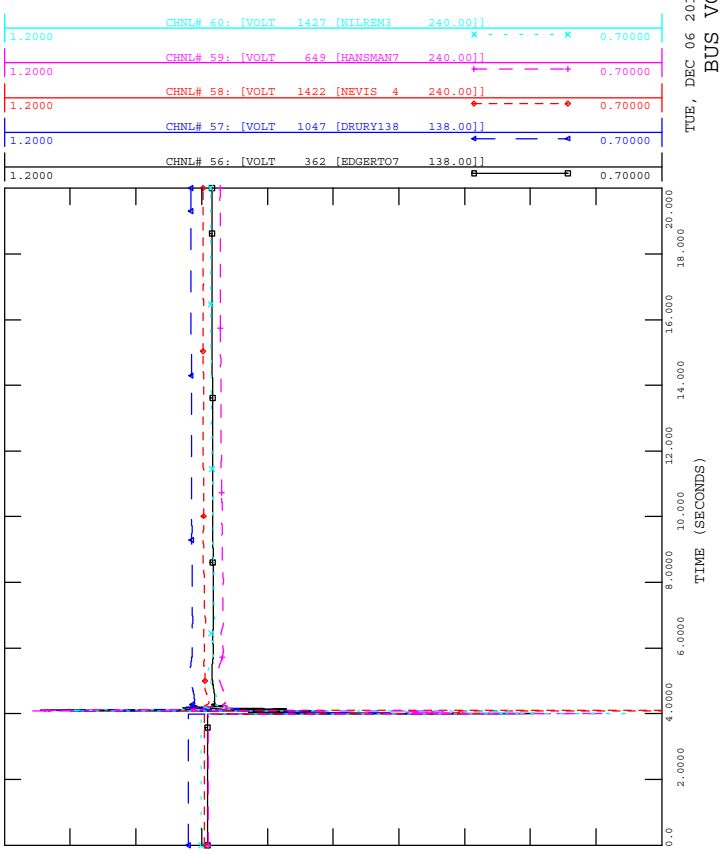

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

BUS VOLTAGE

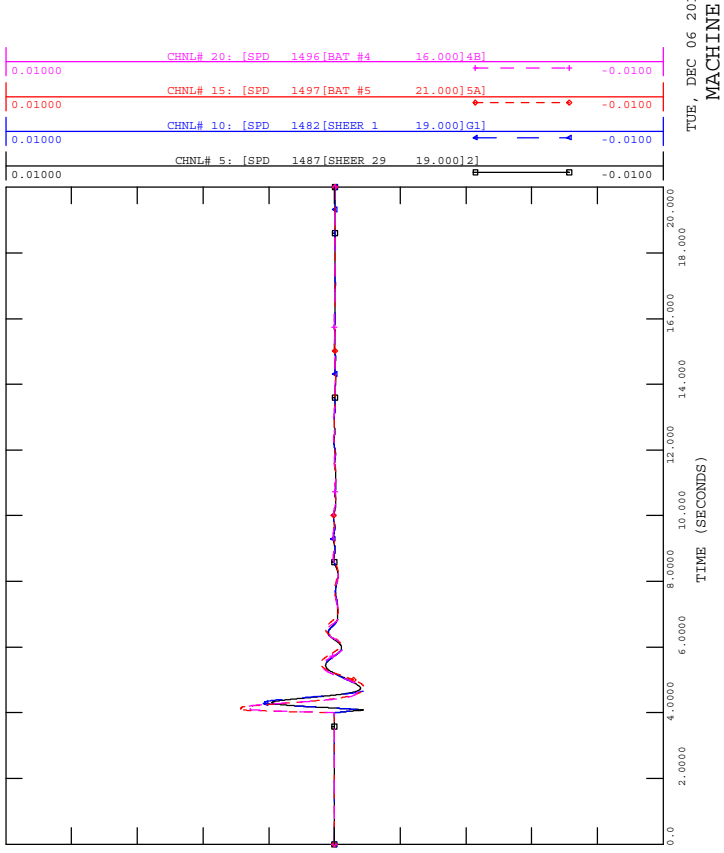


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

MACHINE SPEED

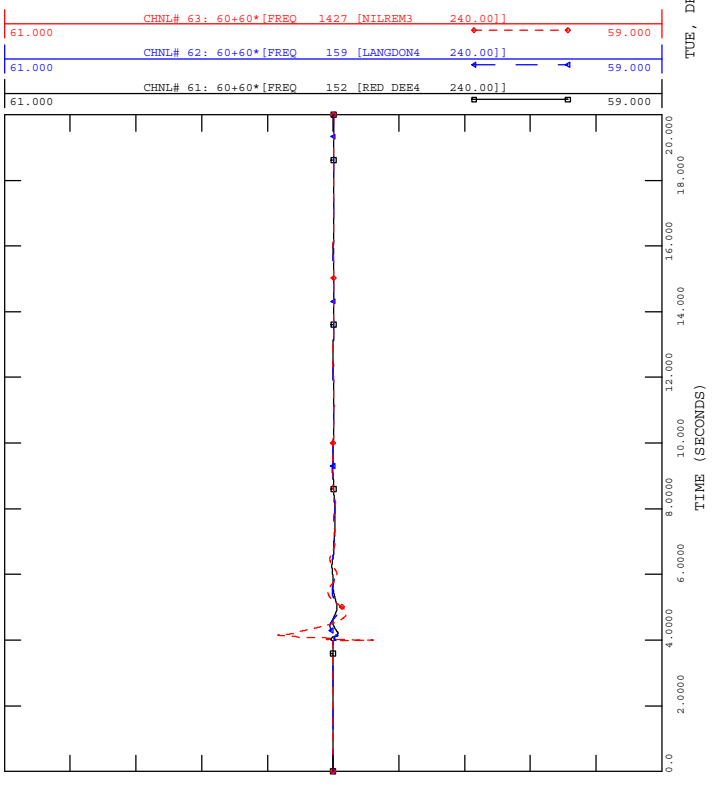


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

FREQUENCY

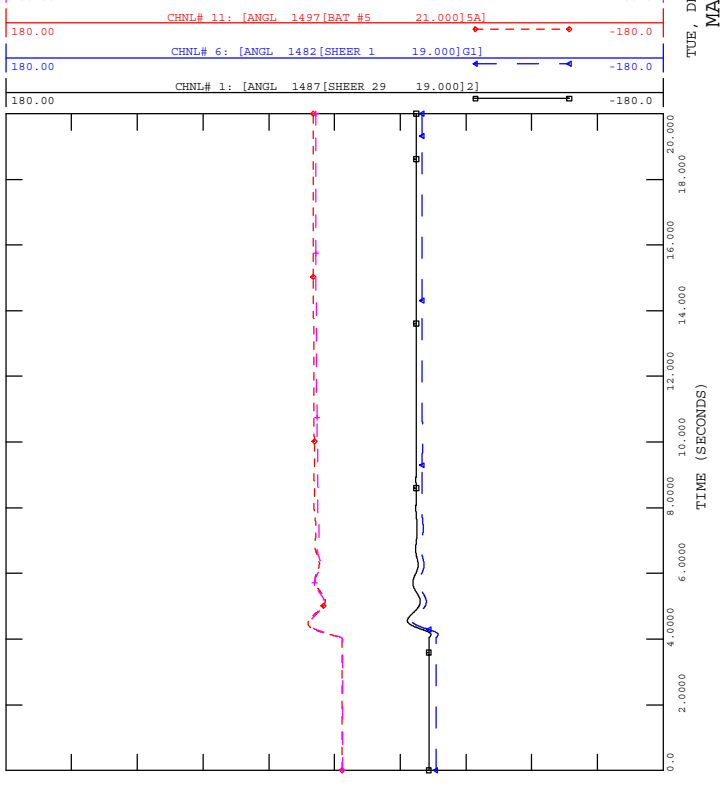


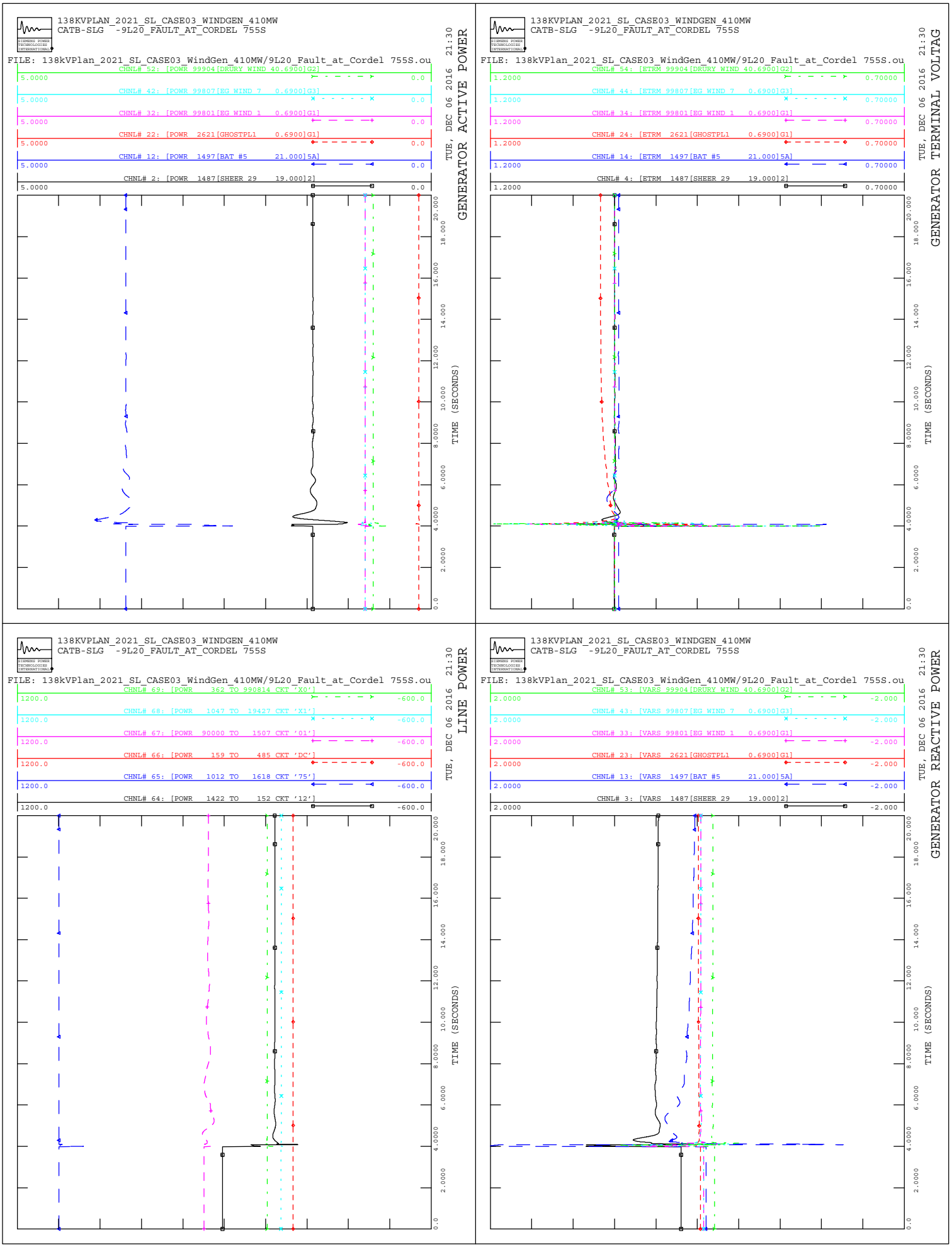
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

MACHINE ANGLE



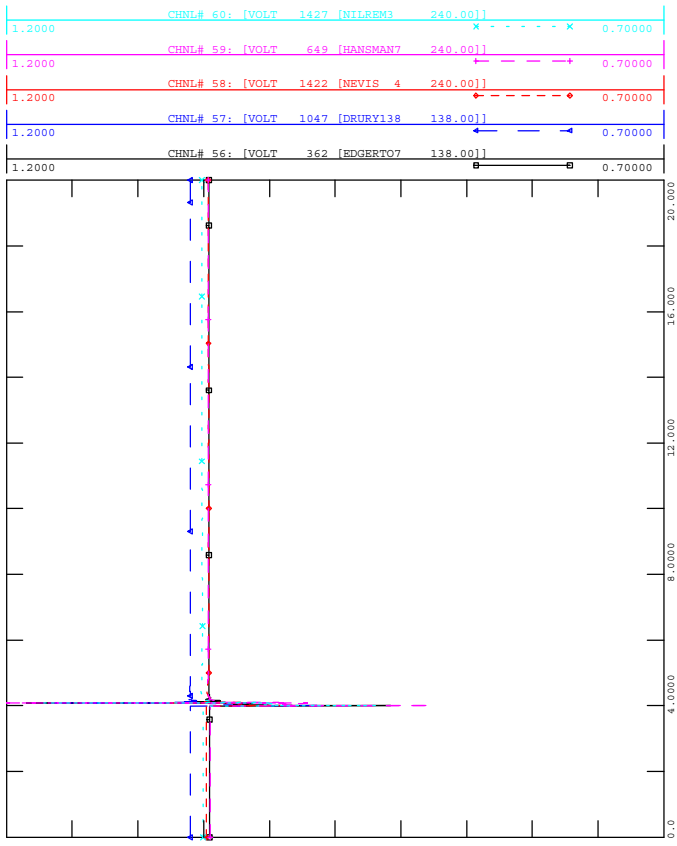

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:30

BUS VOLTAGE

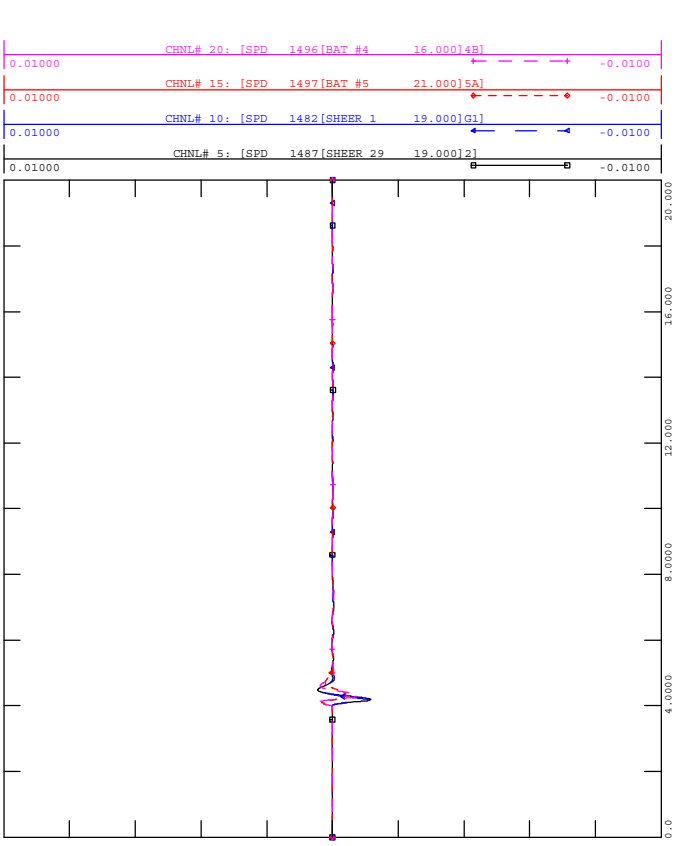


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:30

MACHINE SPEED

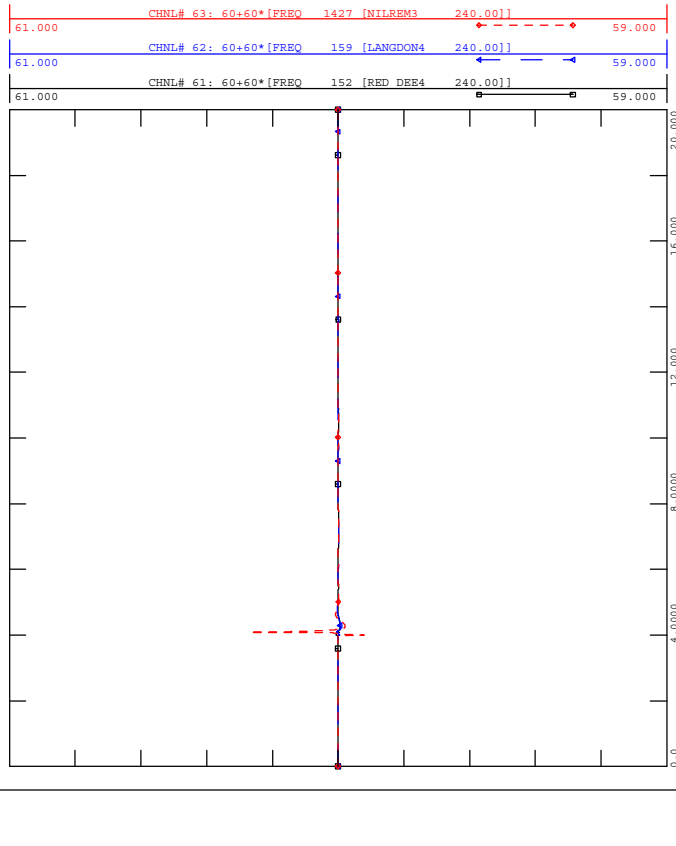


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:30

FREQUENCY

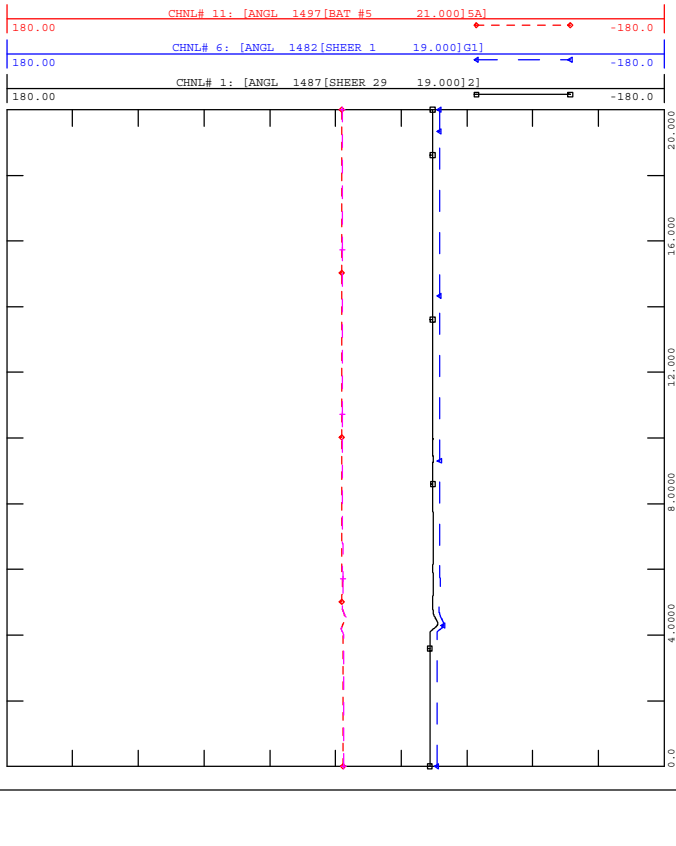


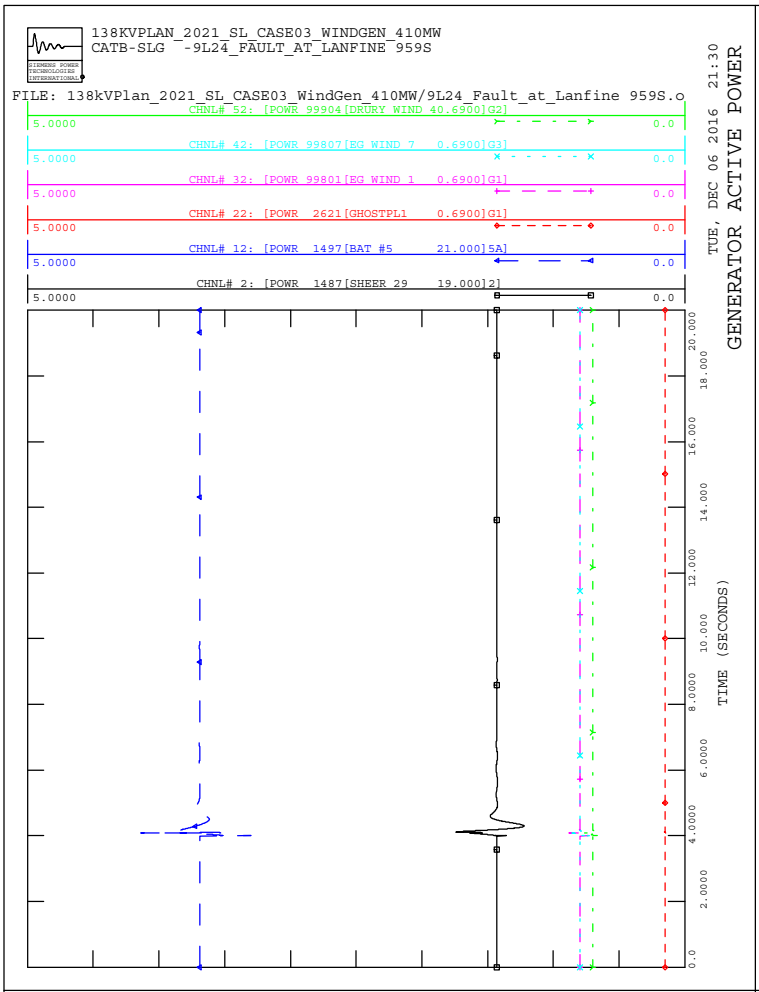
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

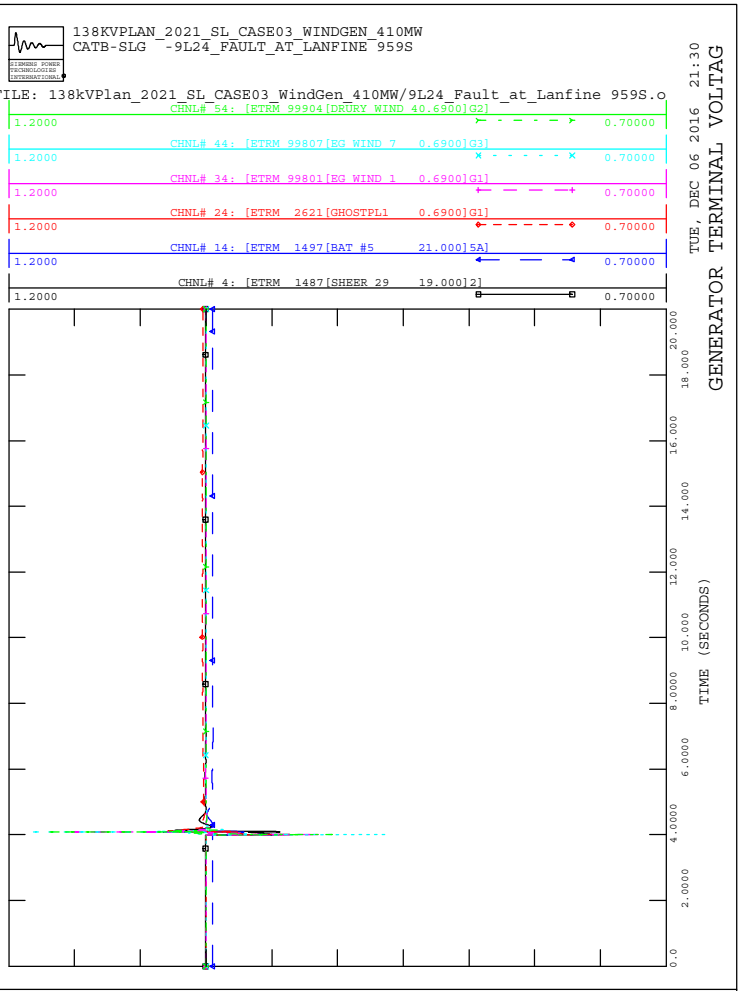
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o

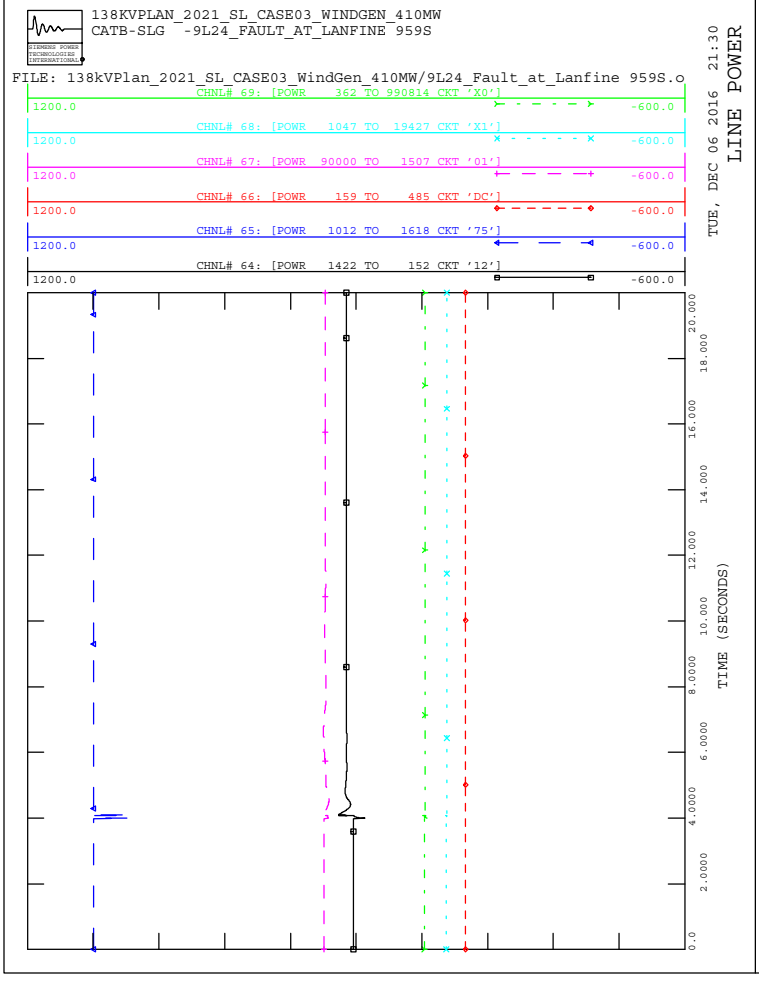
TUE, DEC 06 2016 21:30

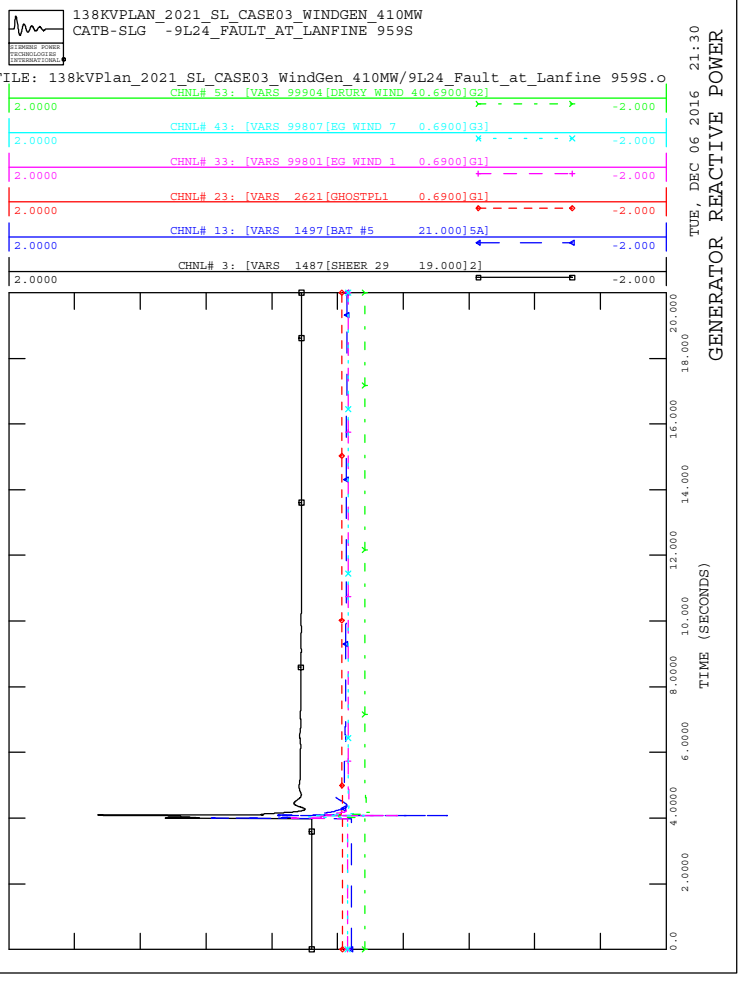
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

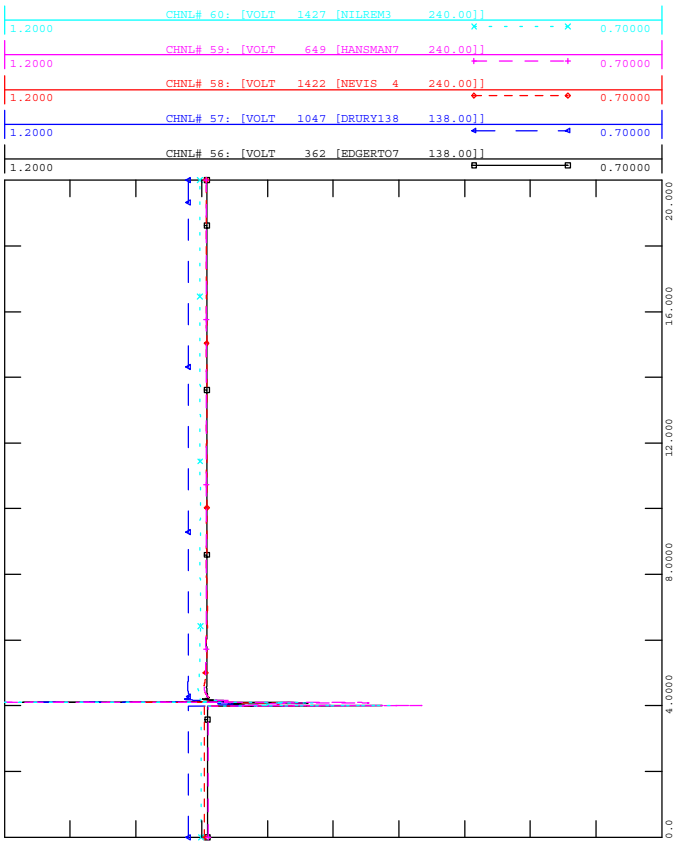

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:30

BUS VOLTAGE

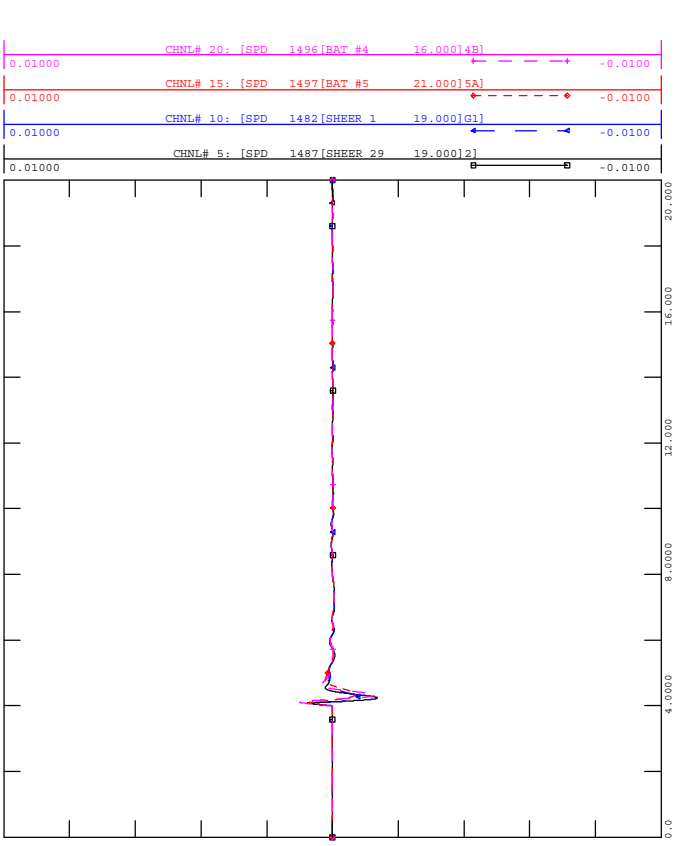


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:30

MACHINE SPEED

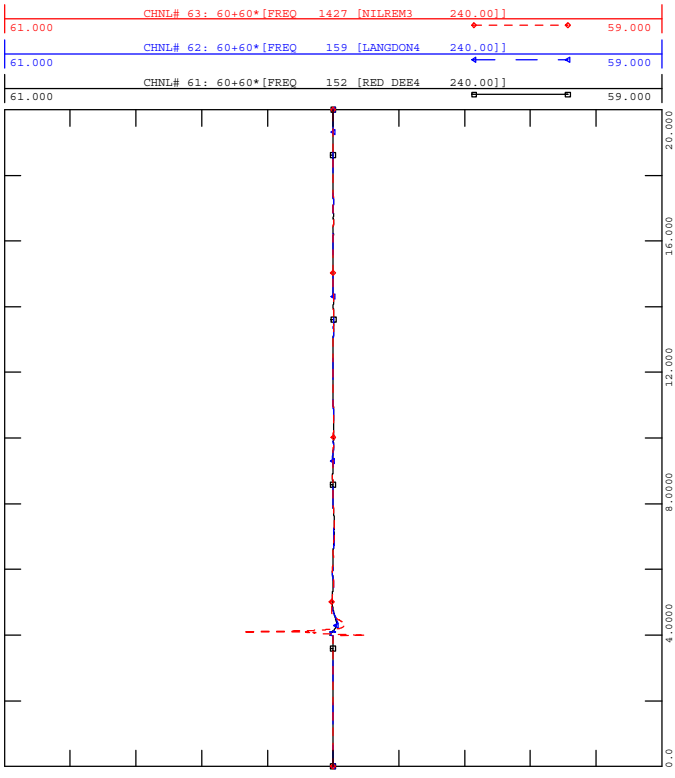


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:30

FREQUENCY

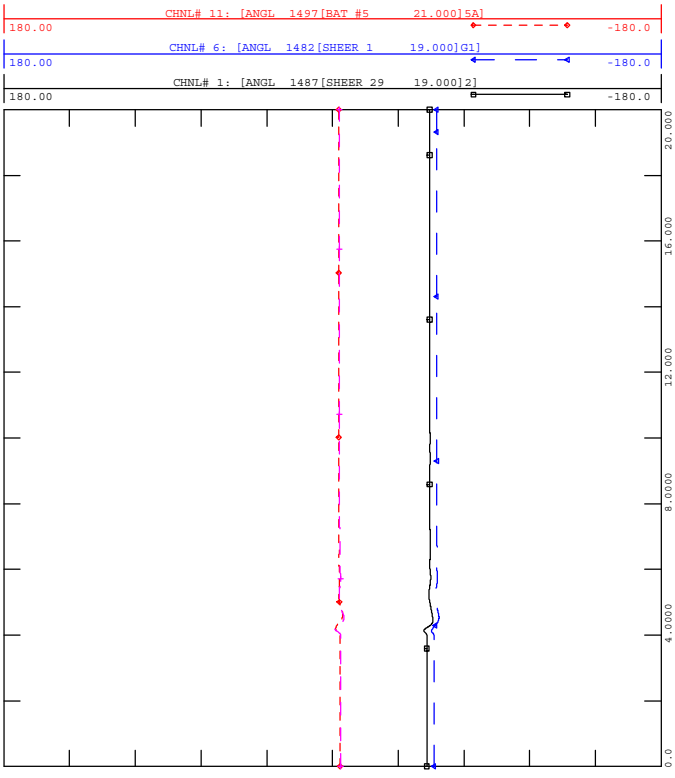


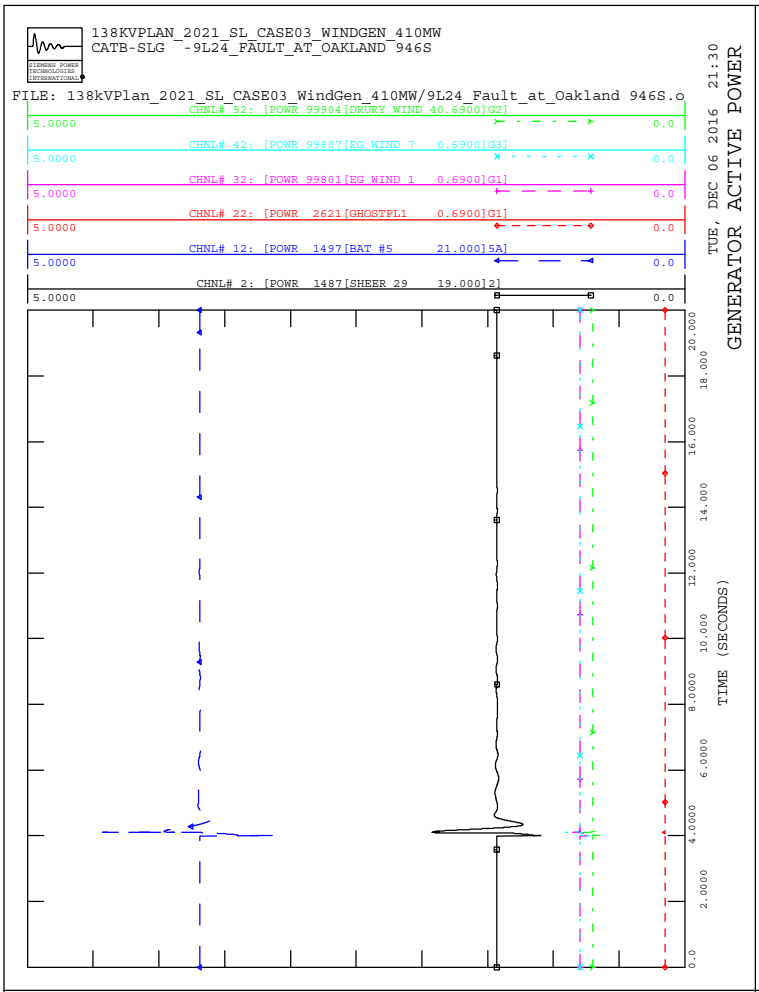
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

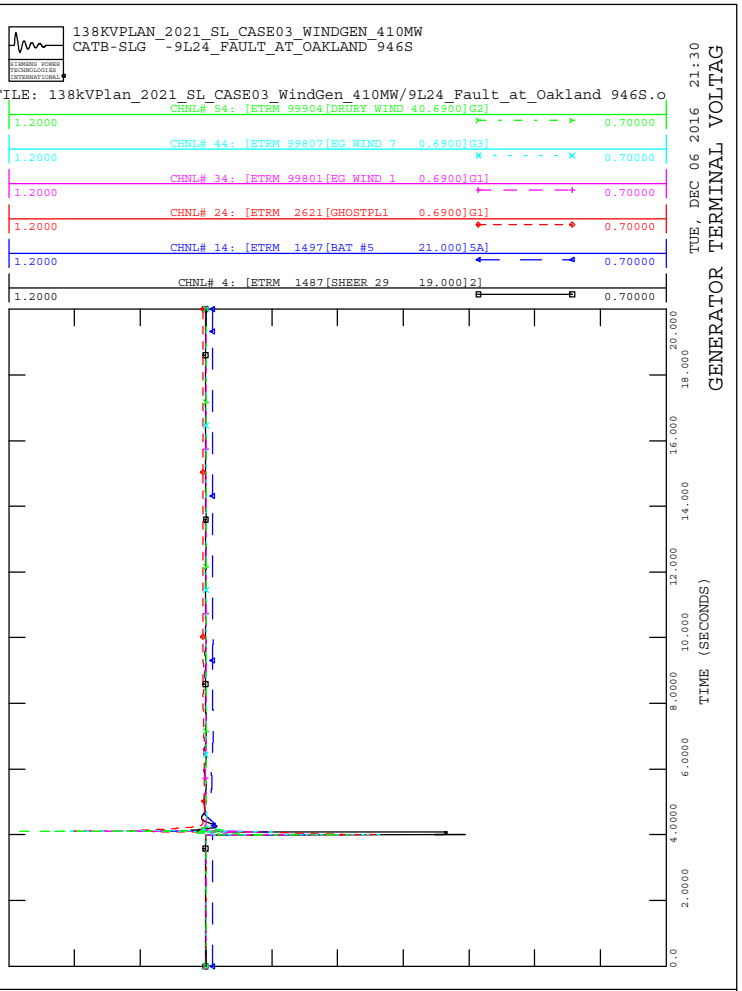
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o

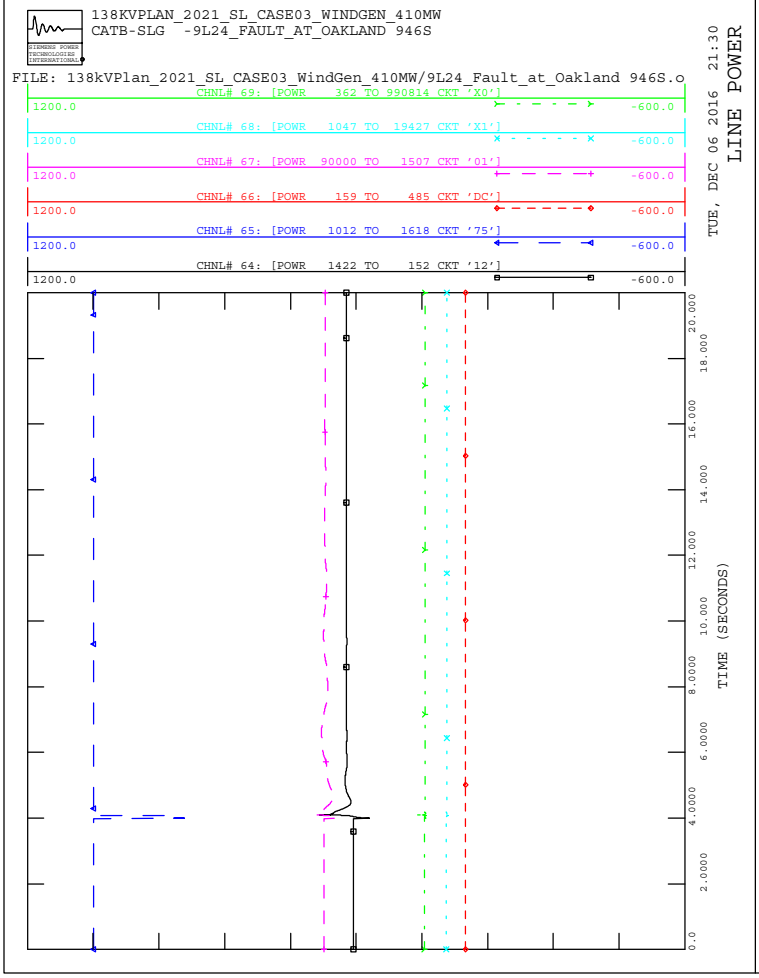
TUE, DEC 06 2016 21:30

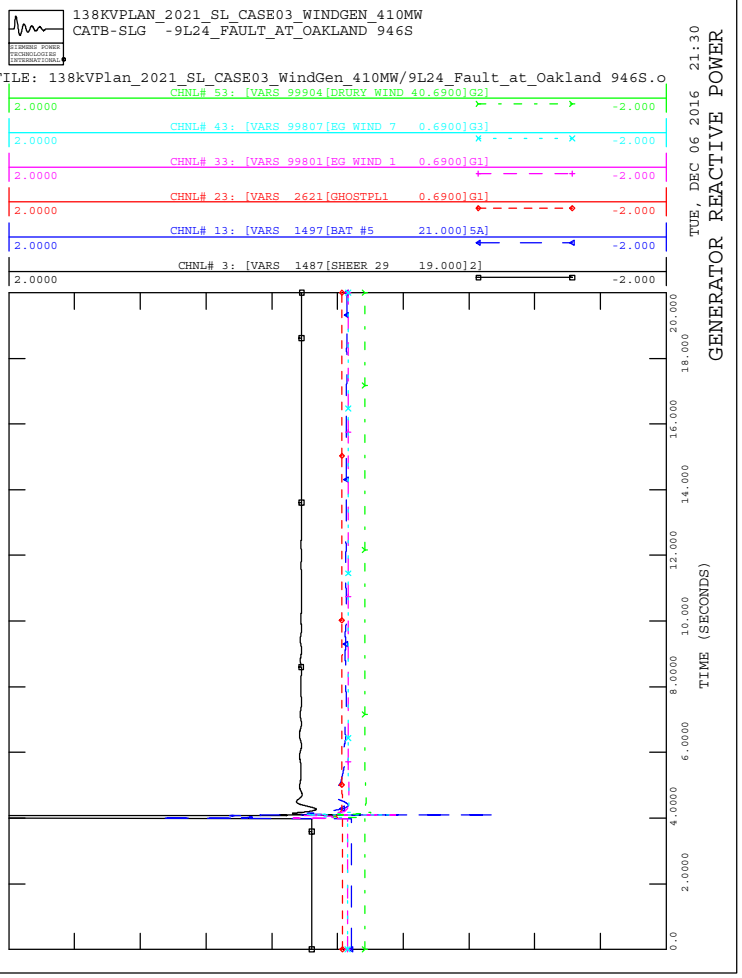
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER

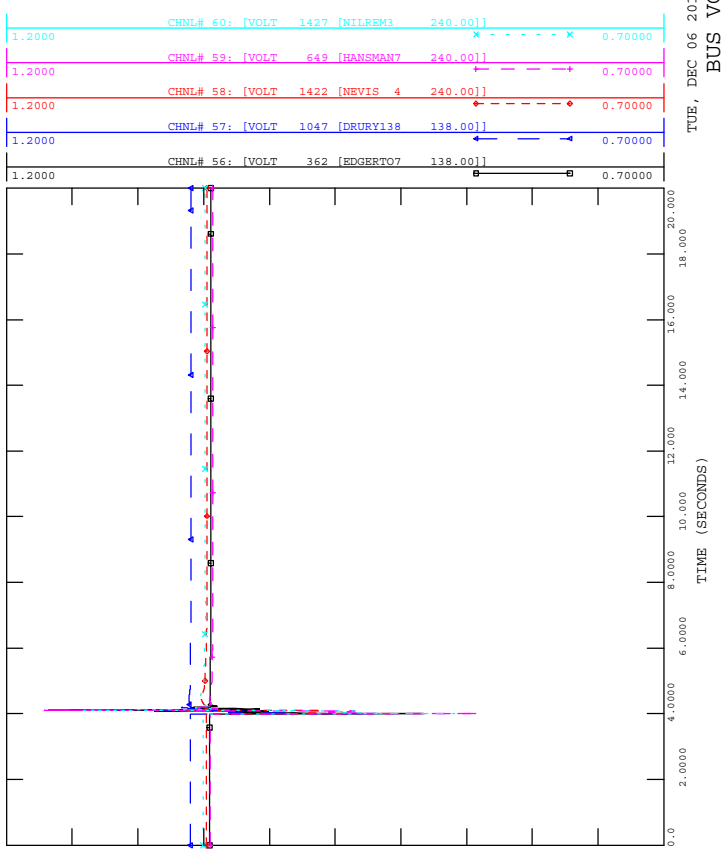

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
LINE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

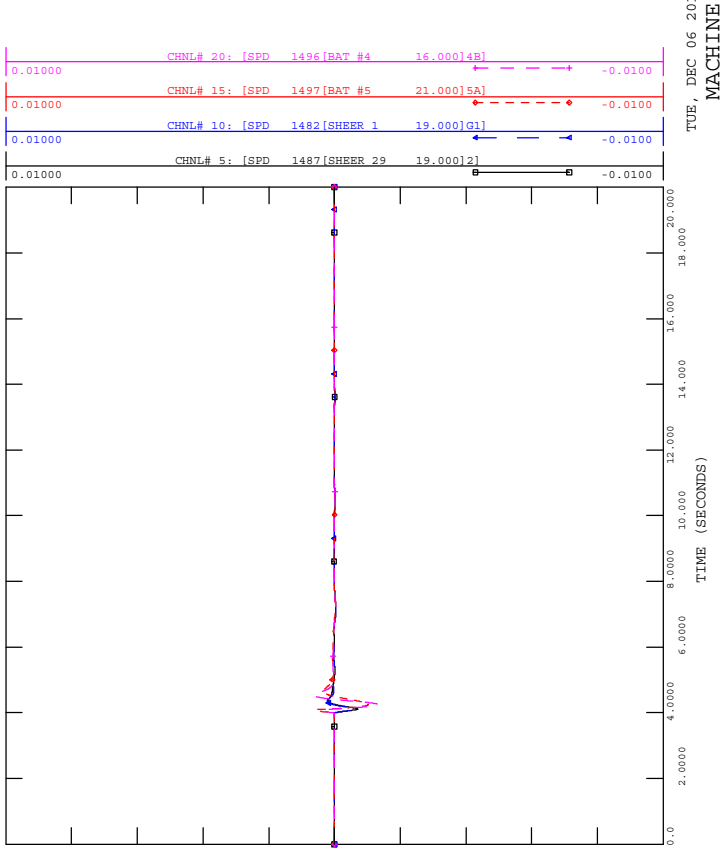
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863



TUE, DEC 06 2016 21:30
BUS VOLTAGE

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

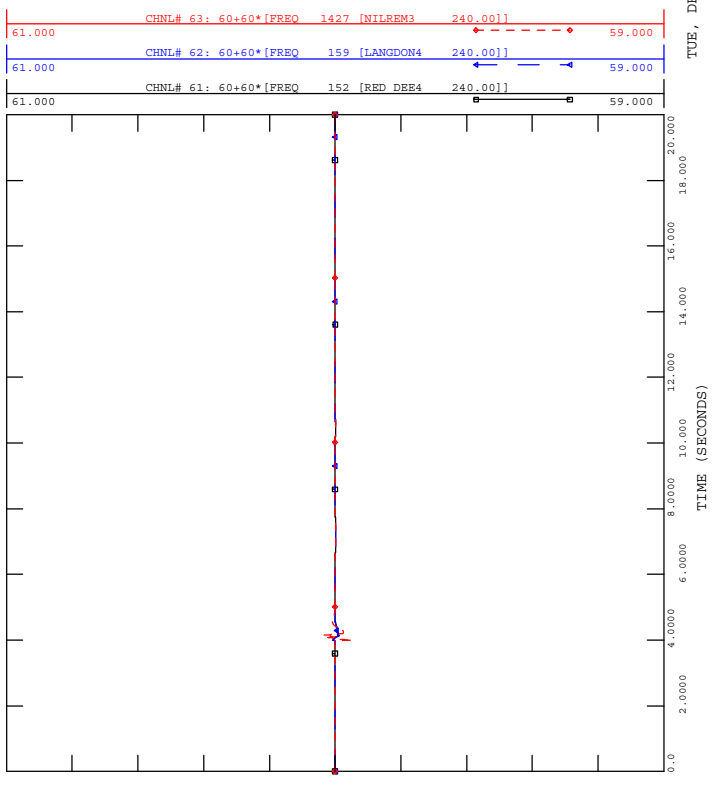
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863



TUE, DEC 06 2016 21:30
MACHINE SPEED

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

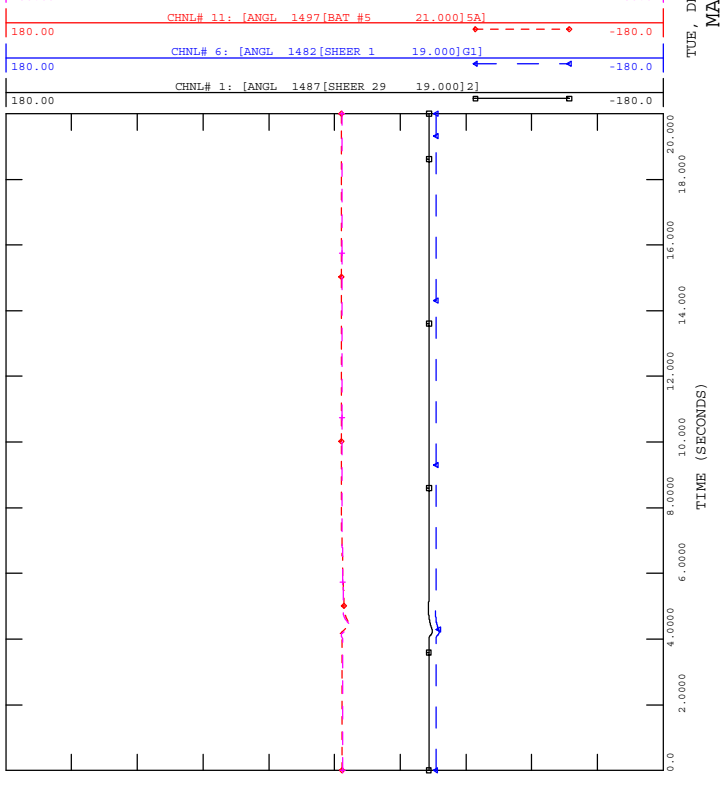
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863



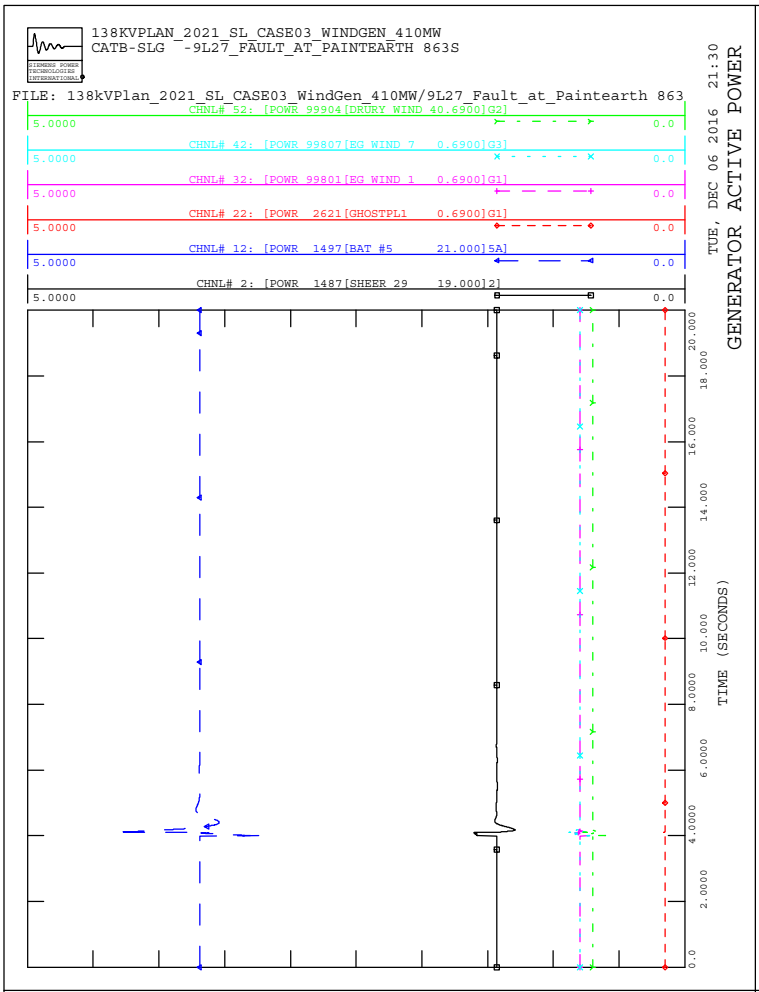
TUE, DEC 06 2016 21:30
FREQUENCY

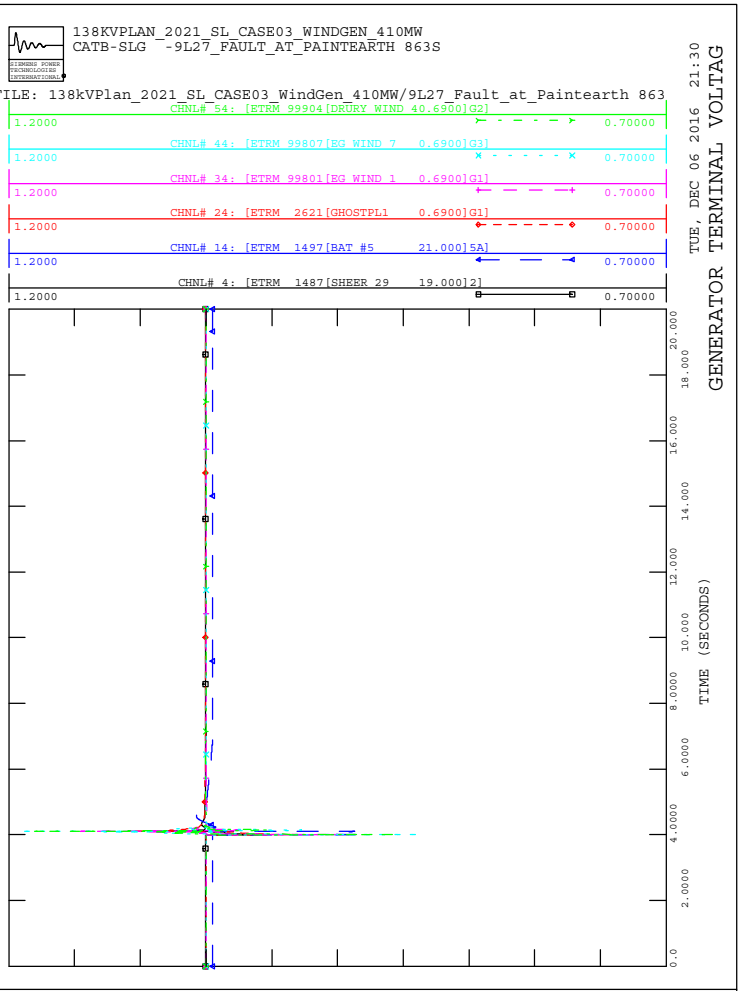
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

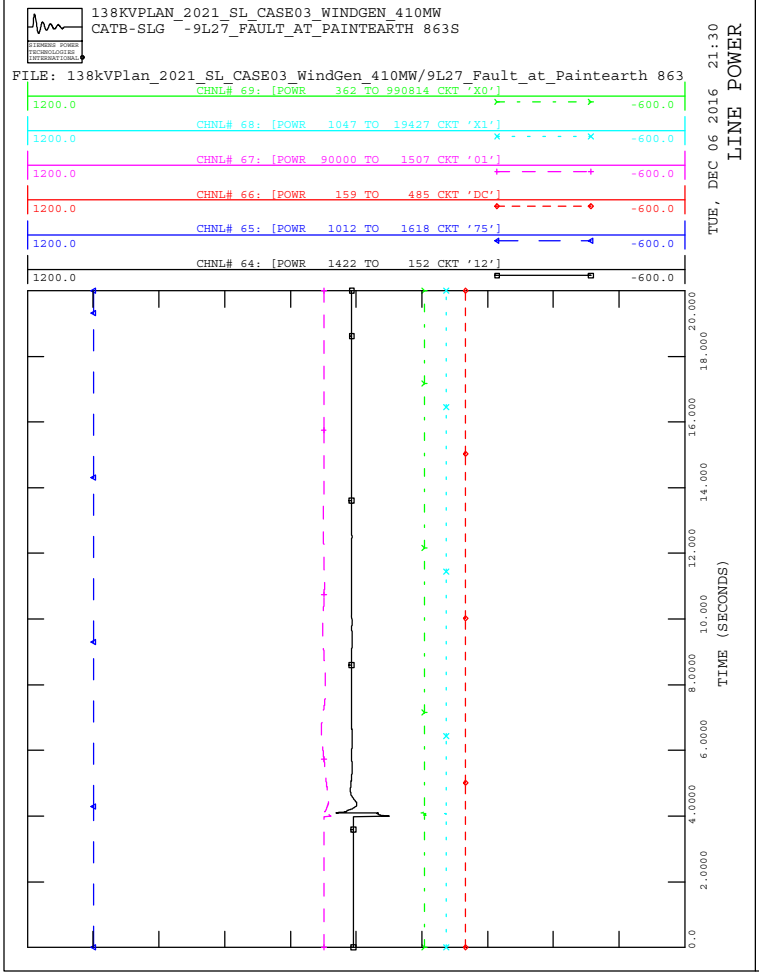
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863

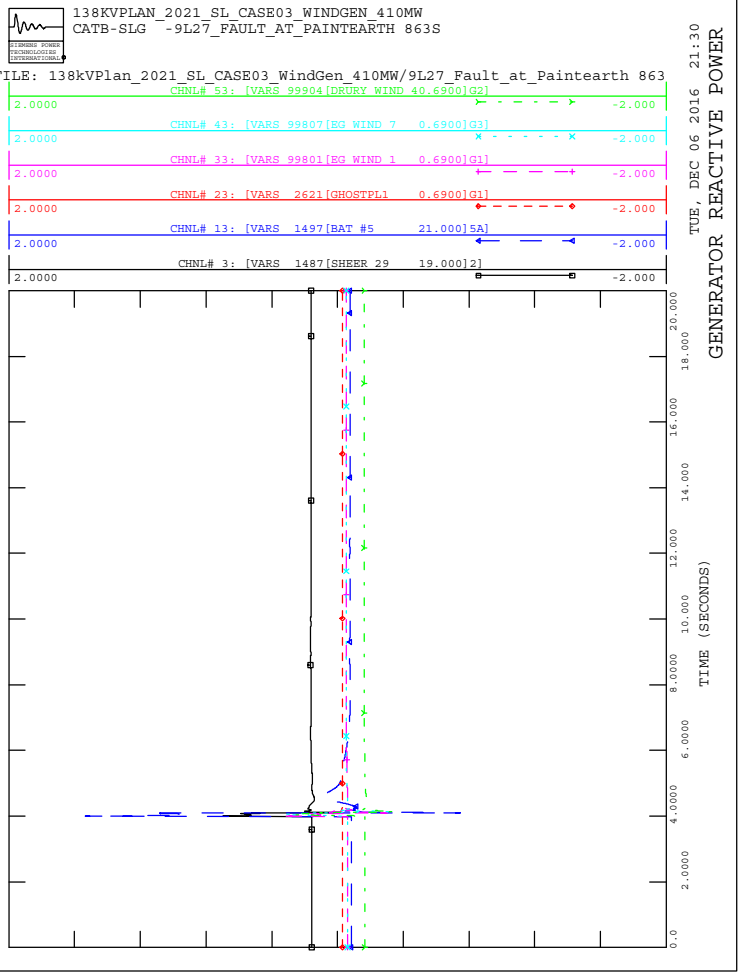


TUE, DEC 06 2016 21:30
MACHINE ANGLE


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

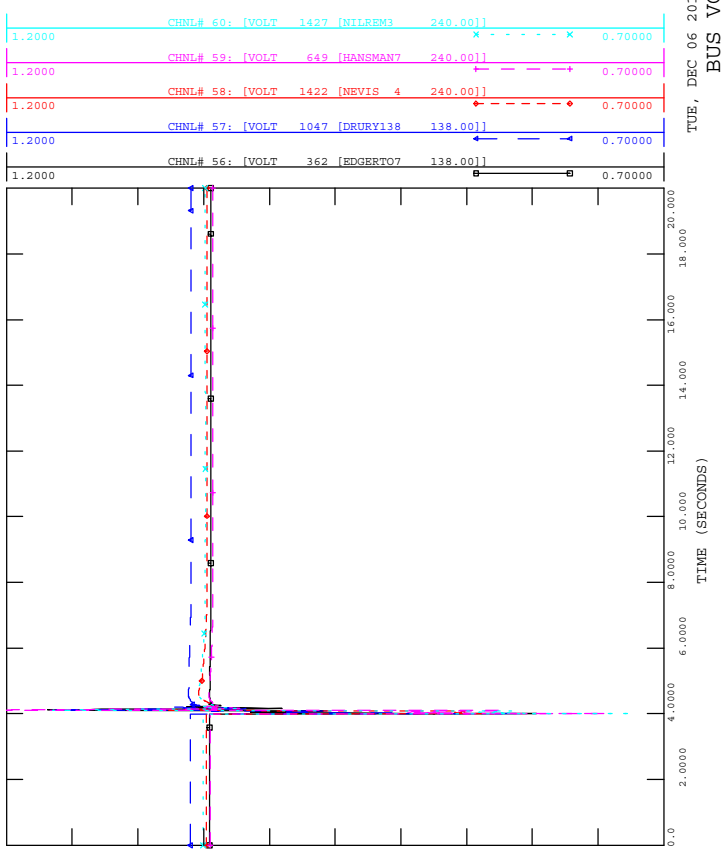

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

BUS VOLTAGE

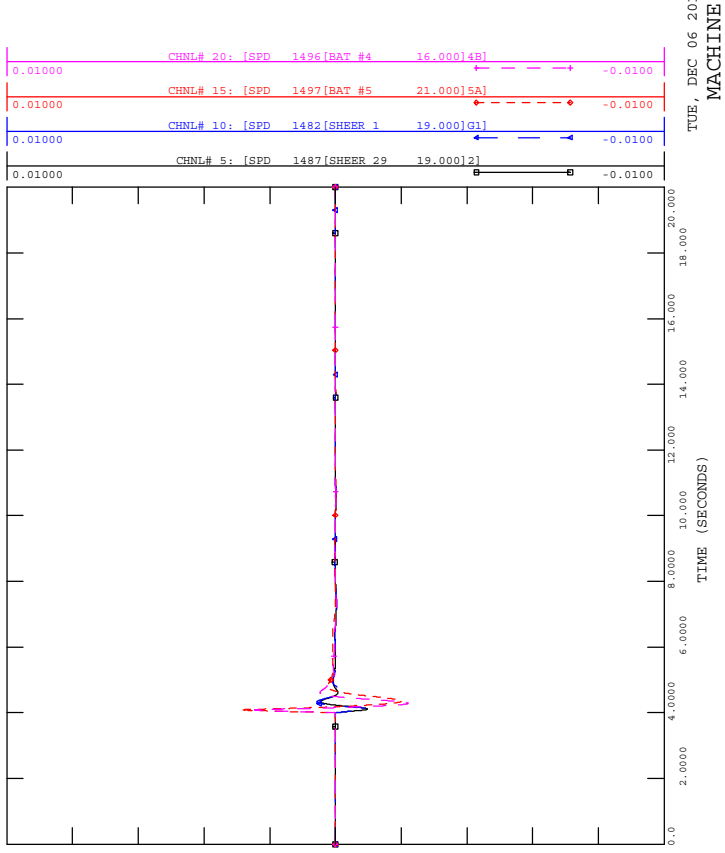


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

MACHINE SPEED

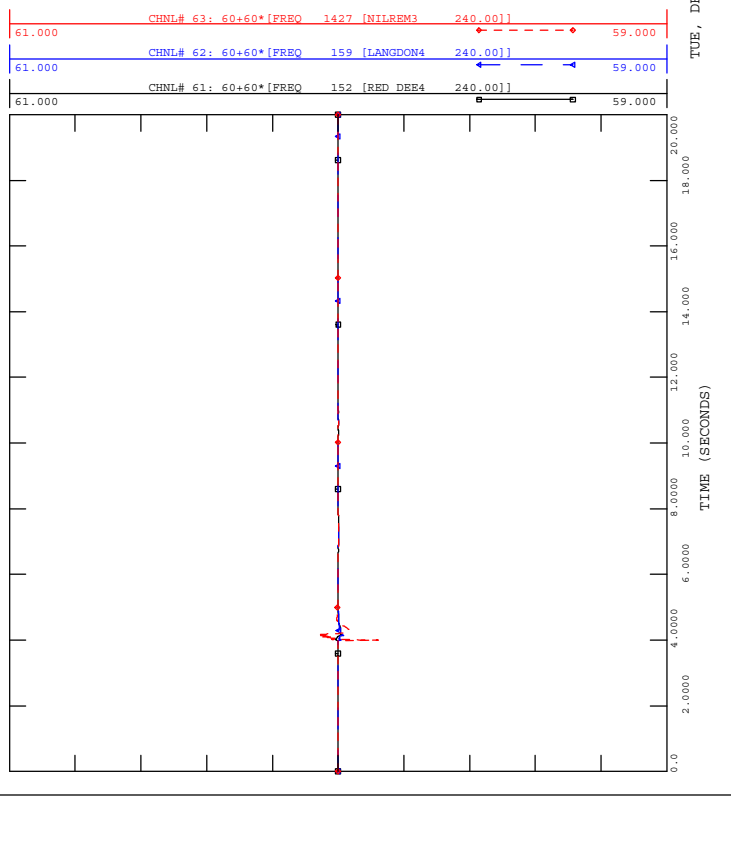


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

FREQUENCY

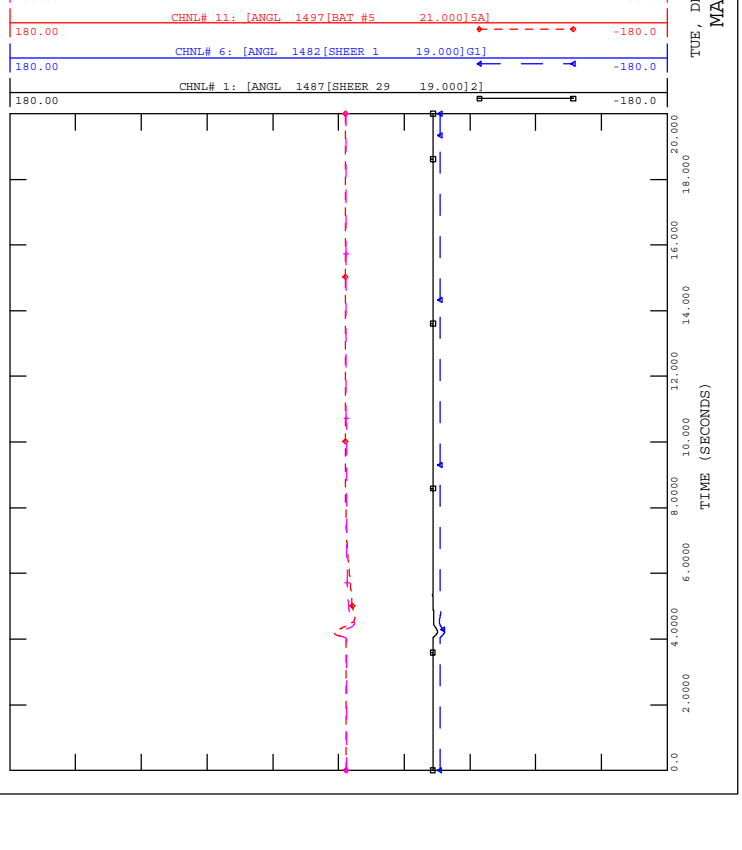


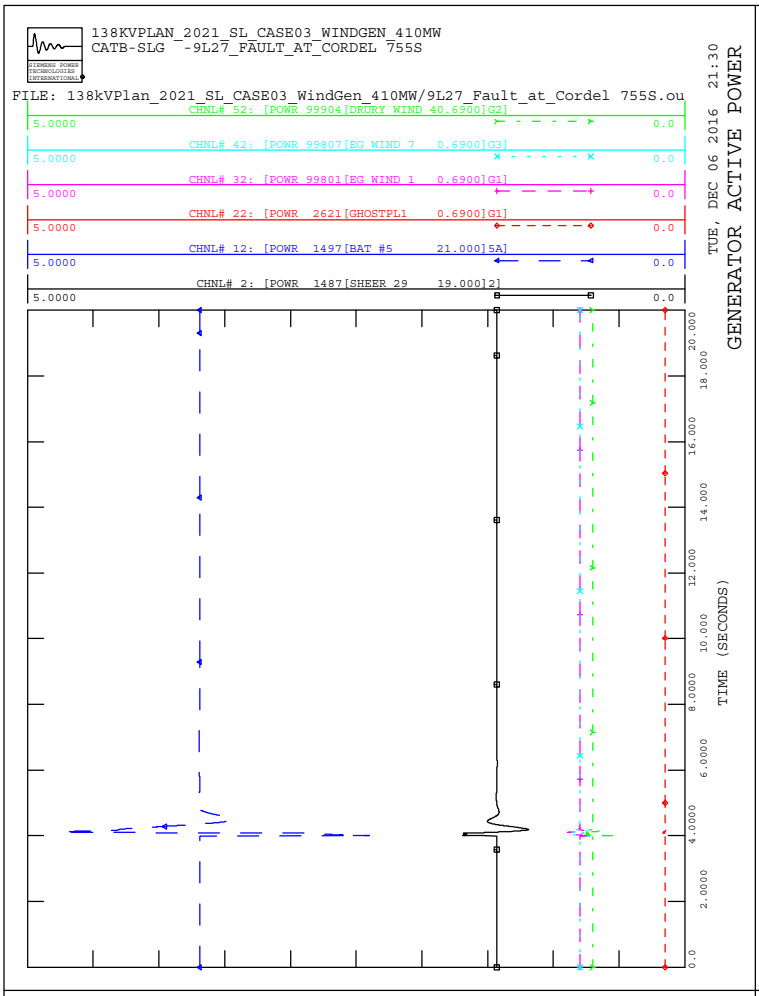
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

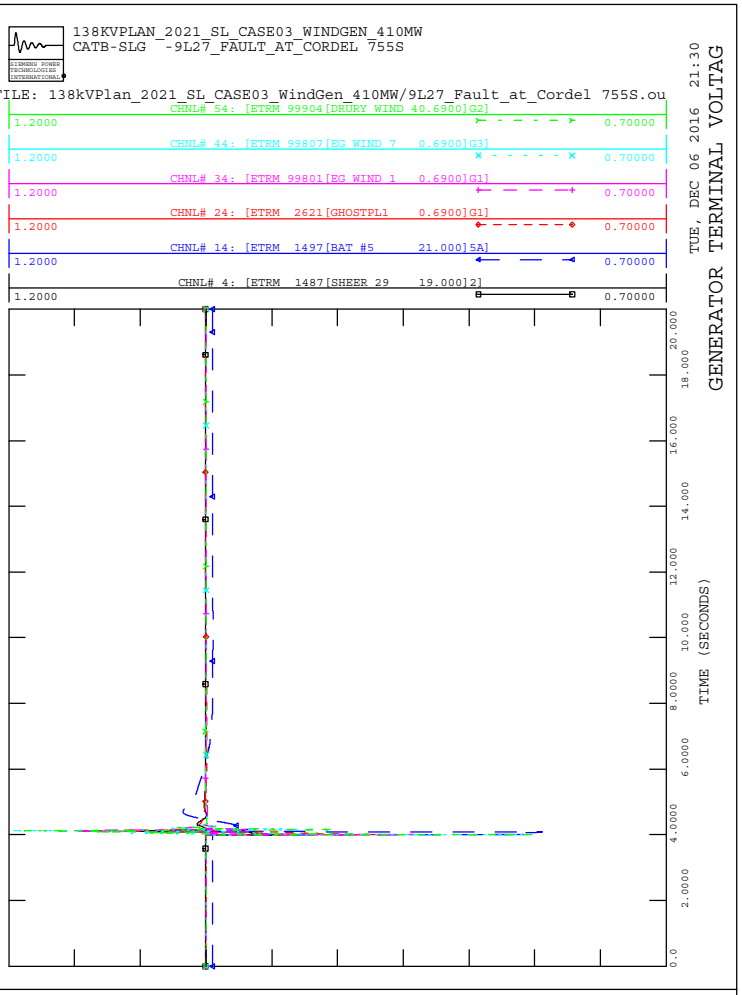
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

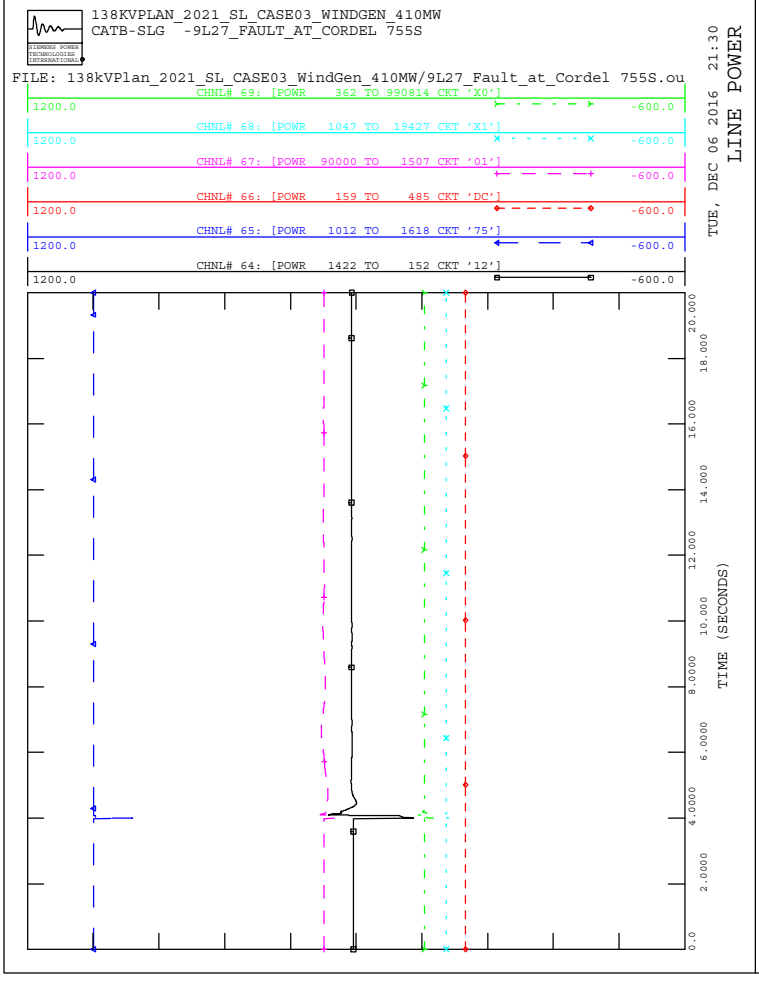
TUE, DEC 06 2016 21:30

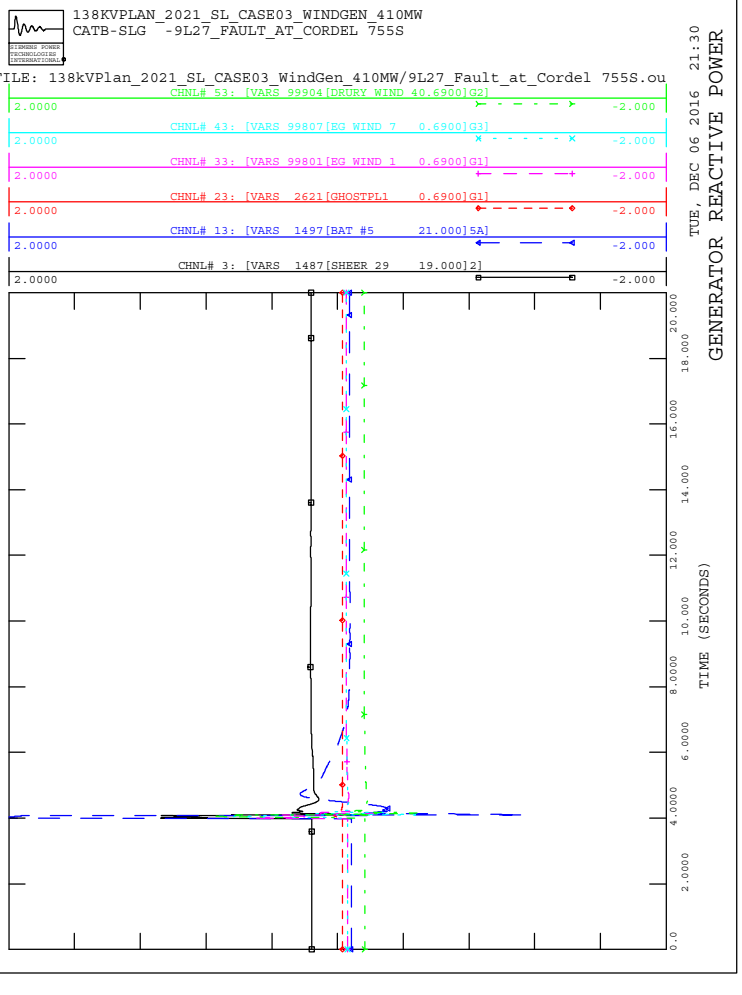
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

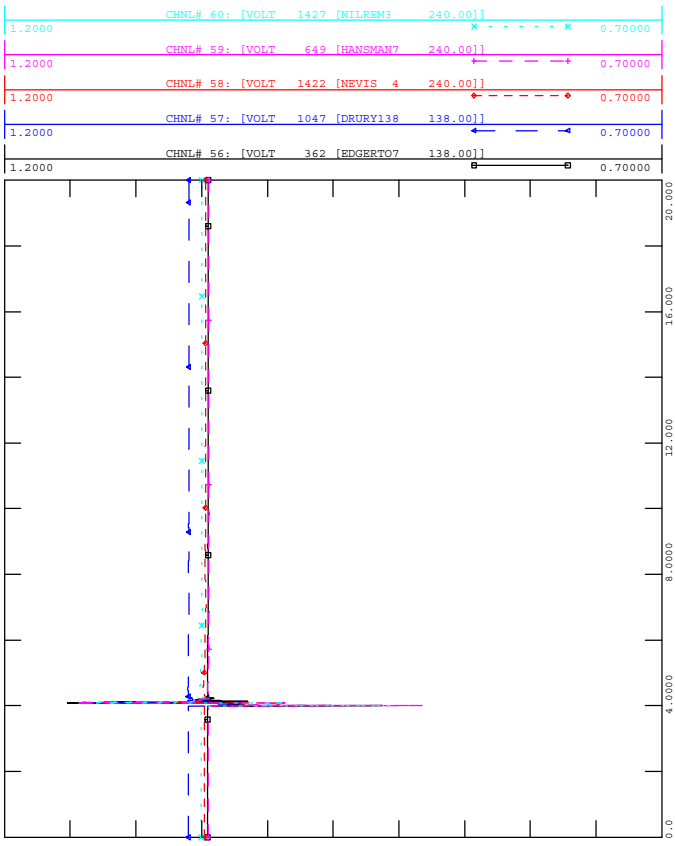

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:30

BUS VOLTAGE

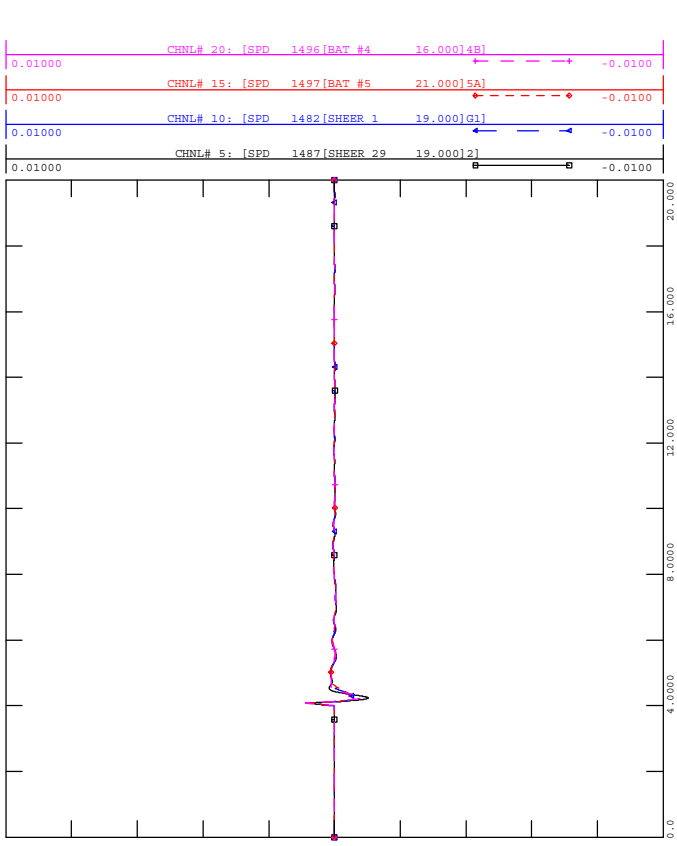


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:30

MACHINE SPEED

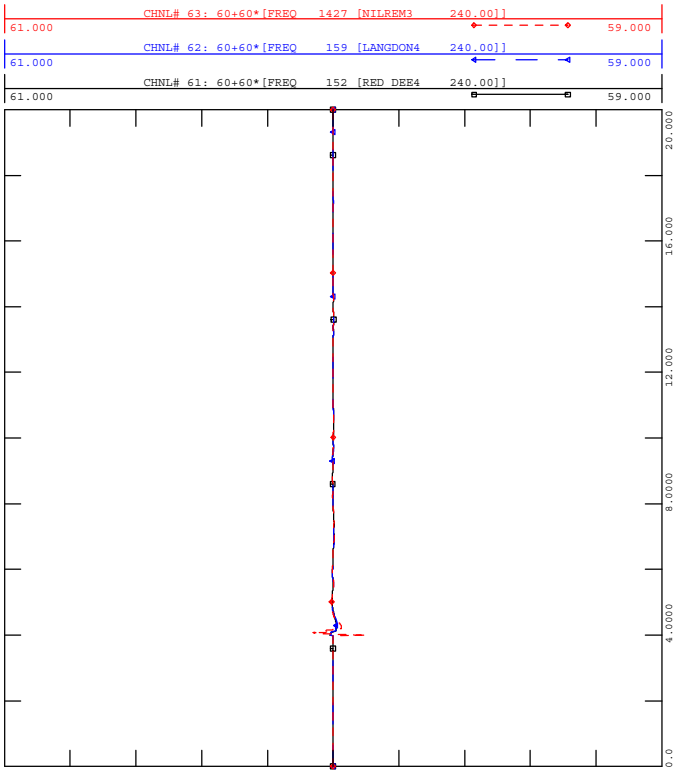


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:30

FREQUENCY

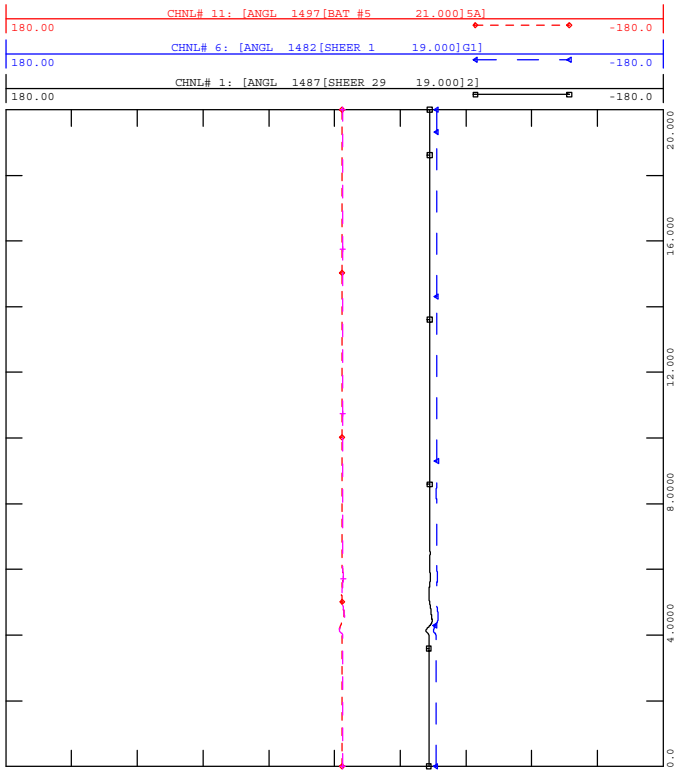


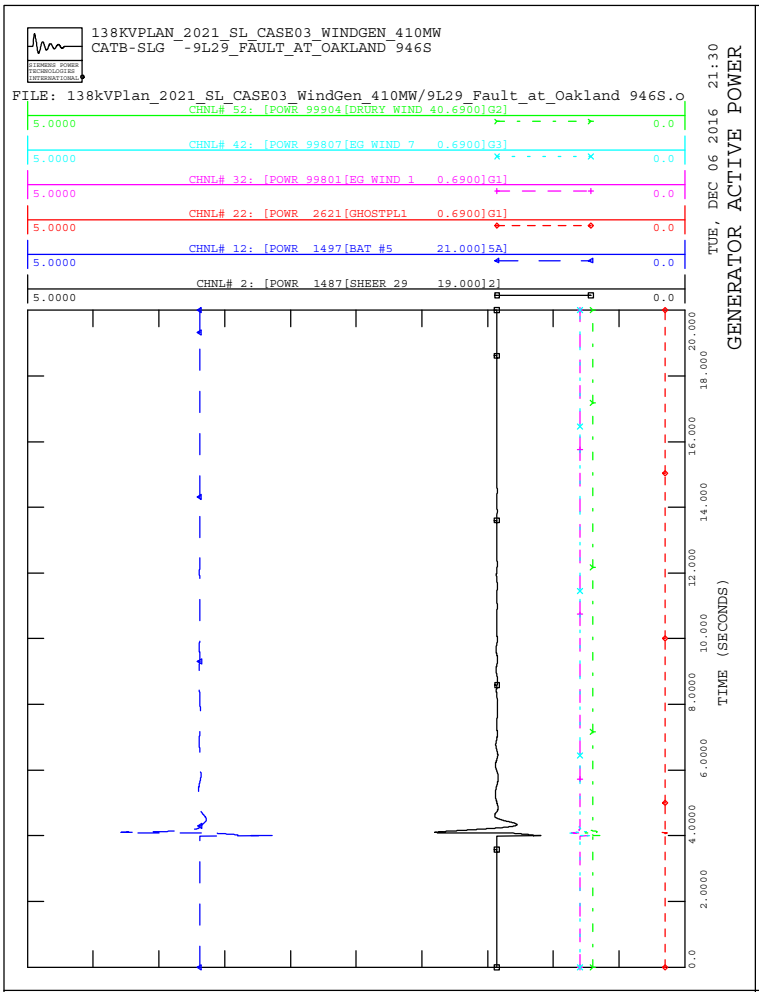
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

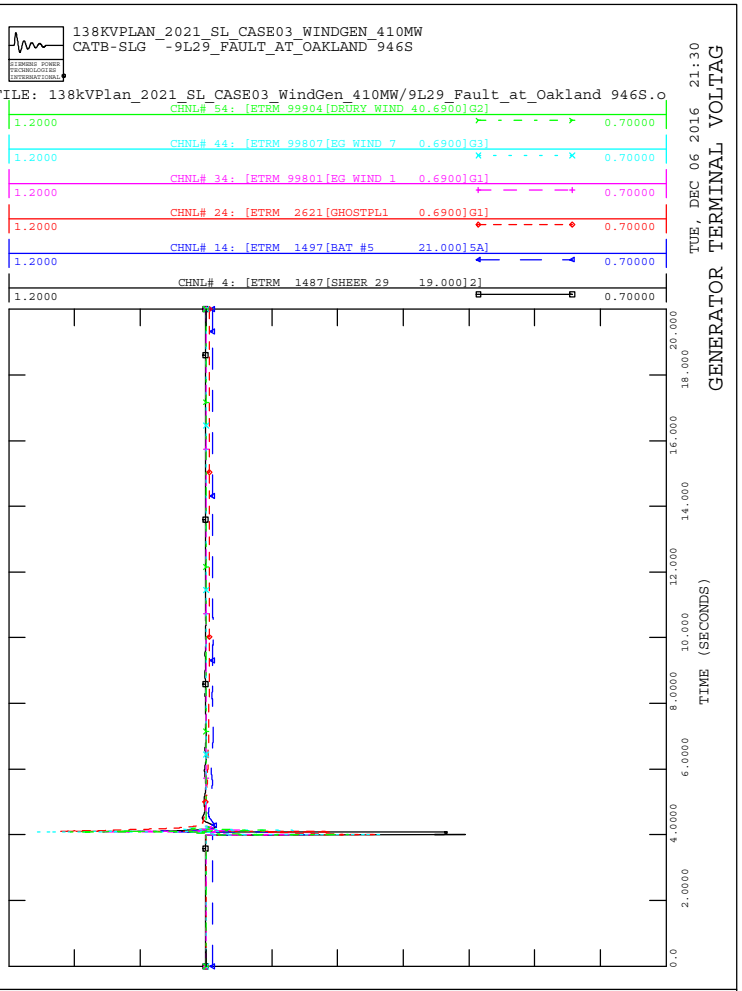
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

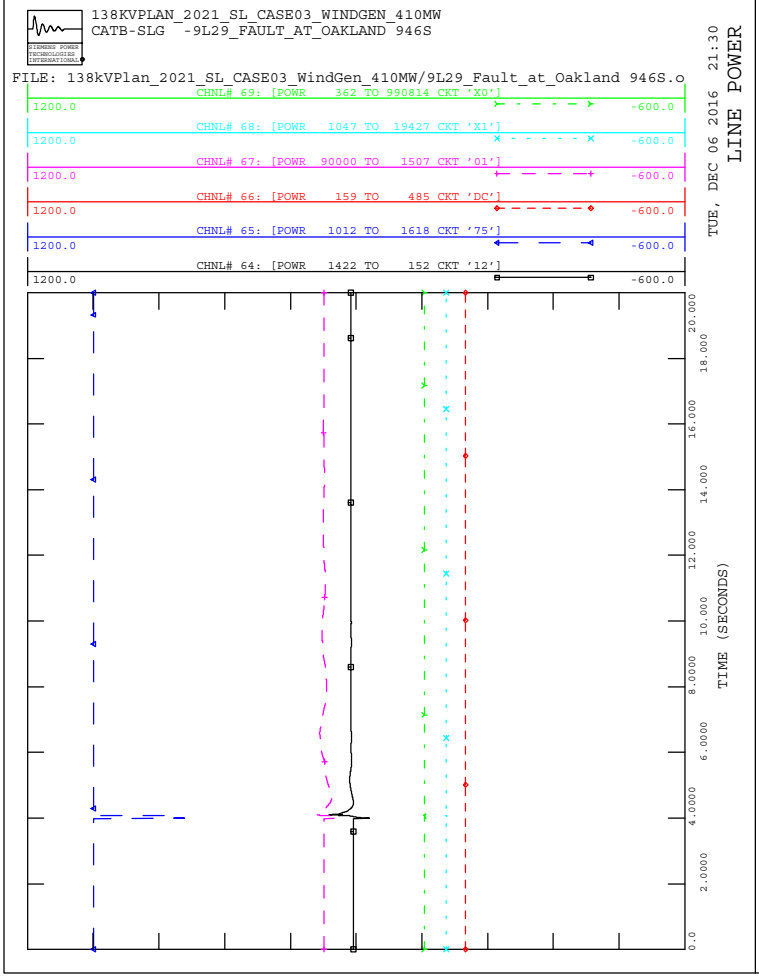
TUE, DEC 06 2016 21:30

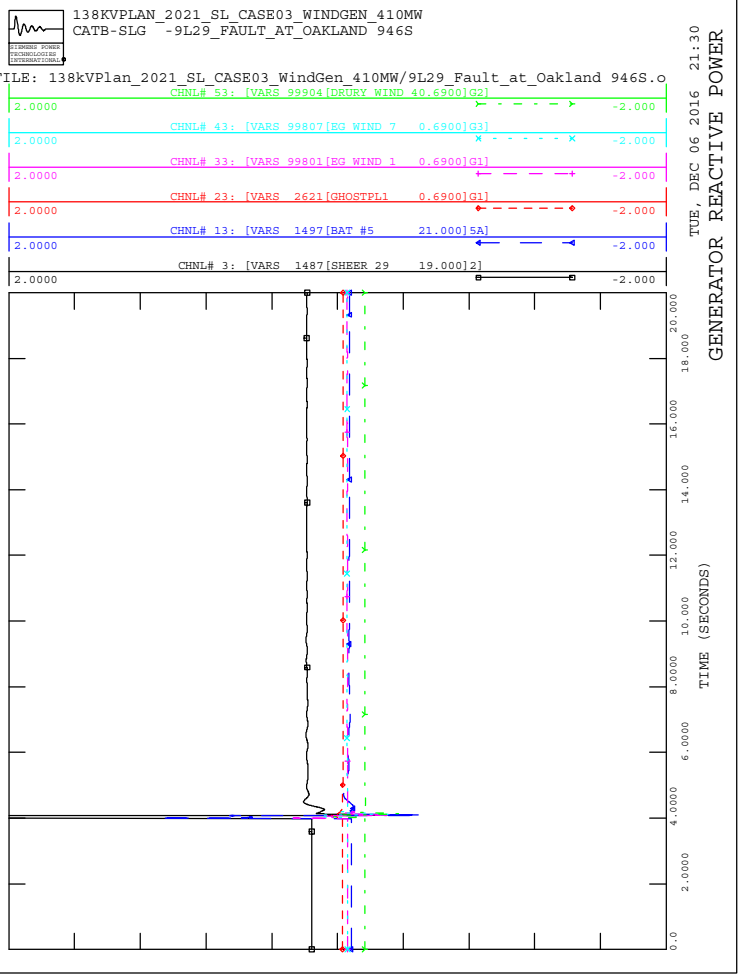
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
LINE POWER

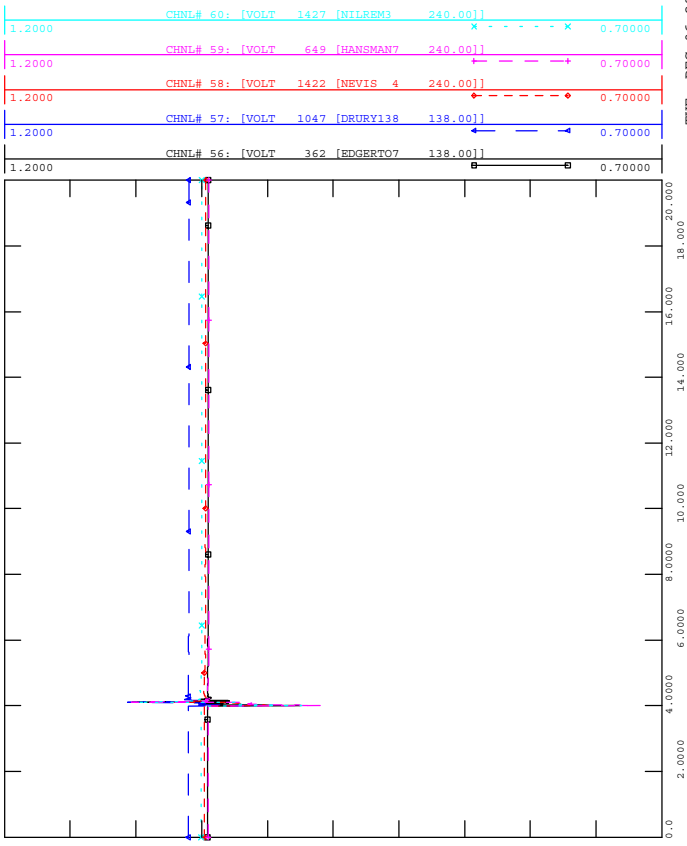

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96

TUE, DEC 06 2016 21:30

BUS VOLTAGE

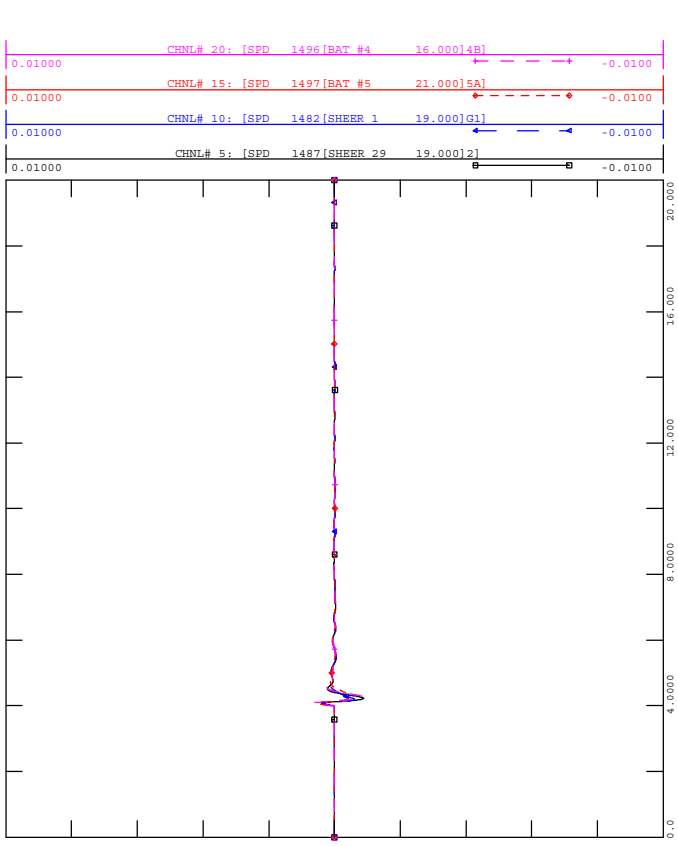


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96

TUE, DEC 06 2016 21:30

MACHINE SPEED

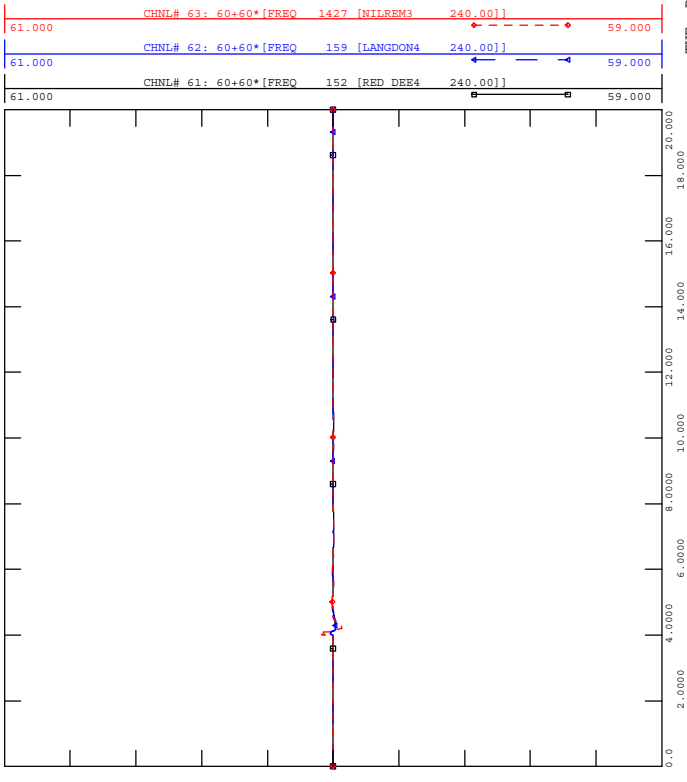


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96

TUE, DEC 06 2016 21:30

FREQUENCY

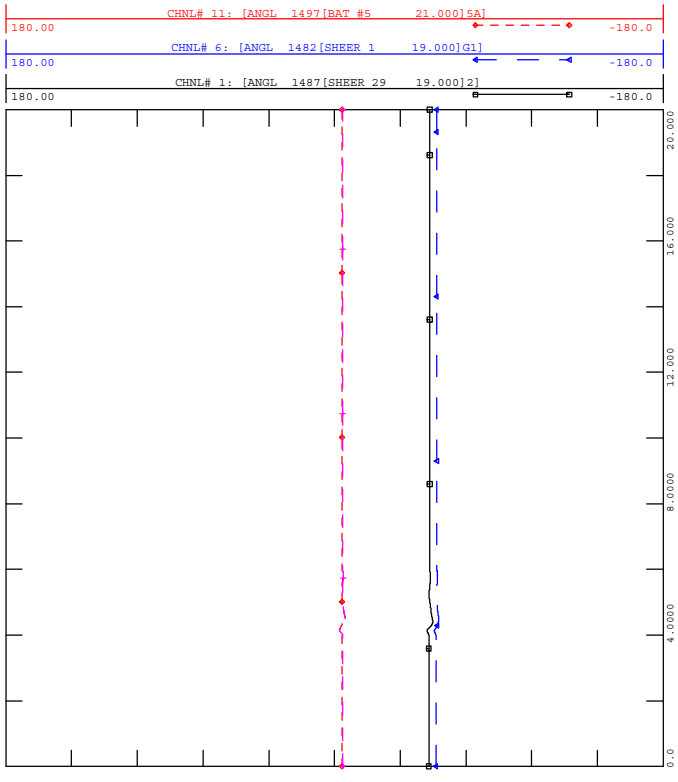


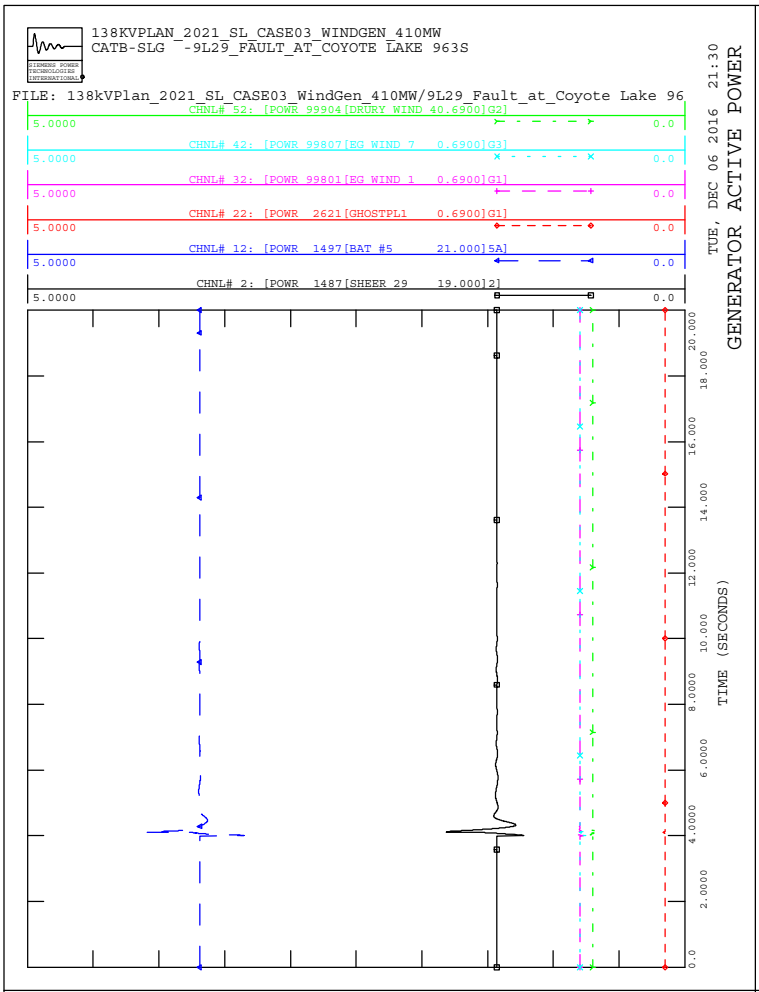
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

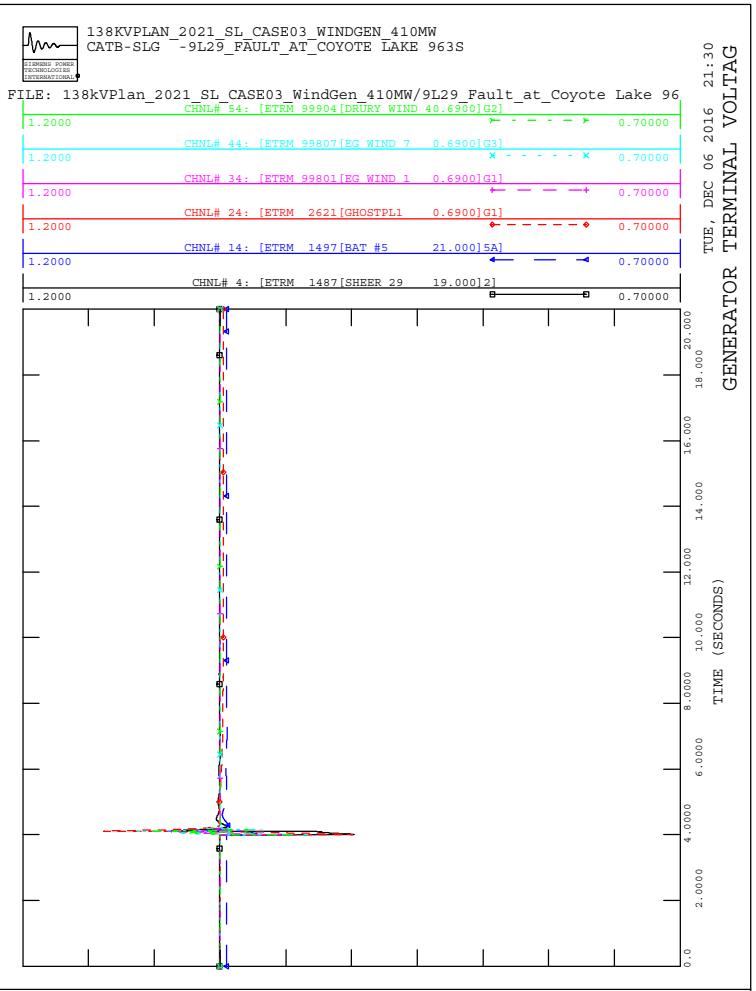
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96

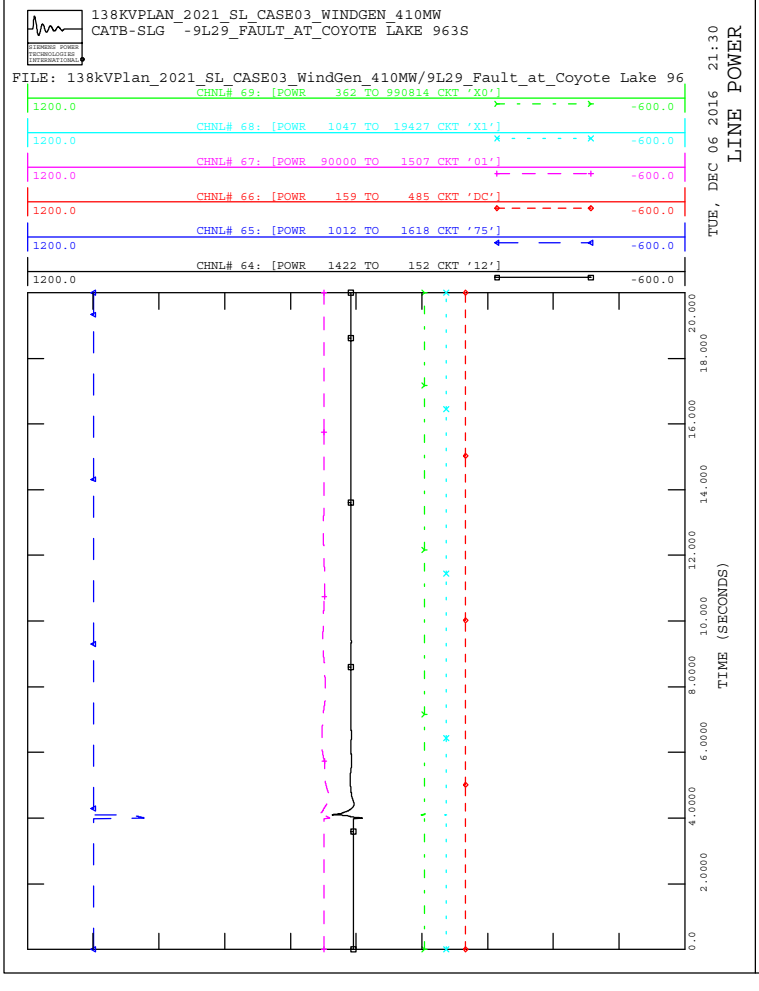
TUE, DEC 06 2016 21:30

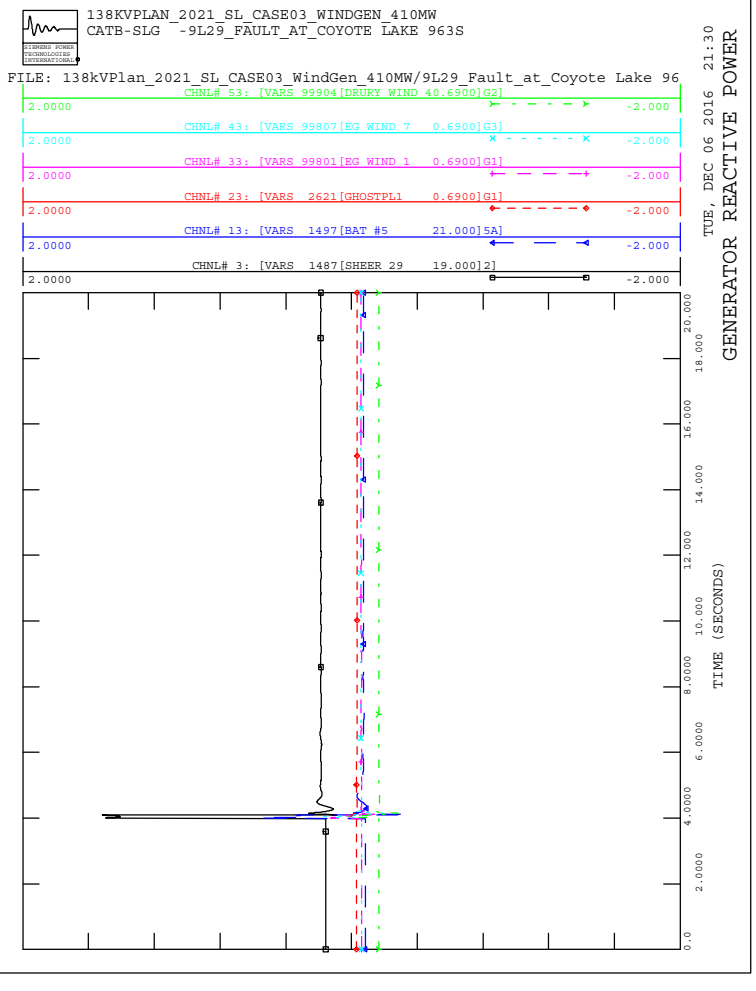
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)

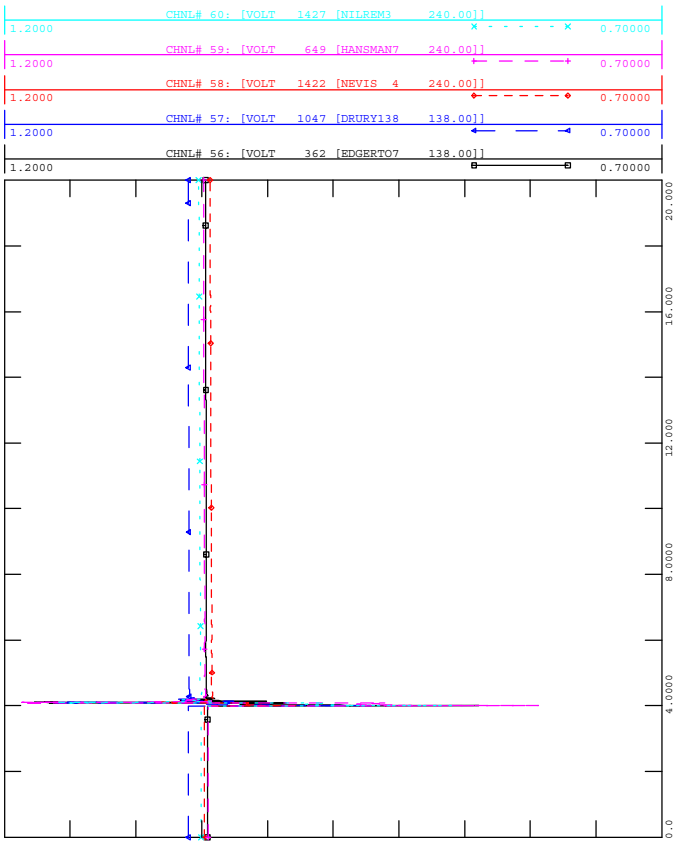

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:30

BUS VOLTAGE

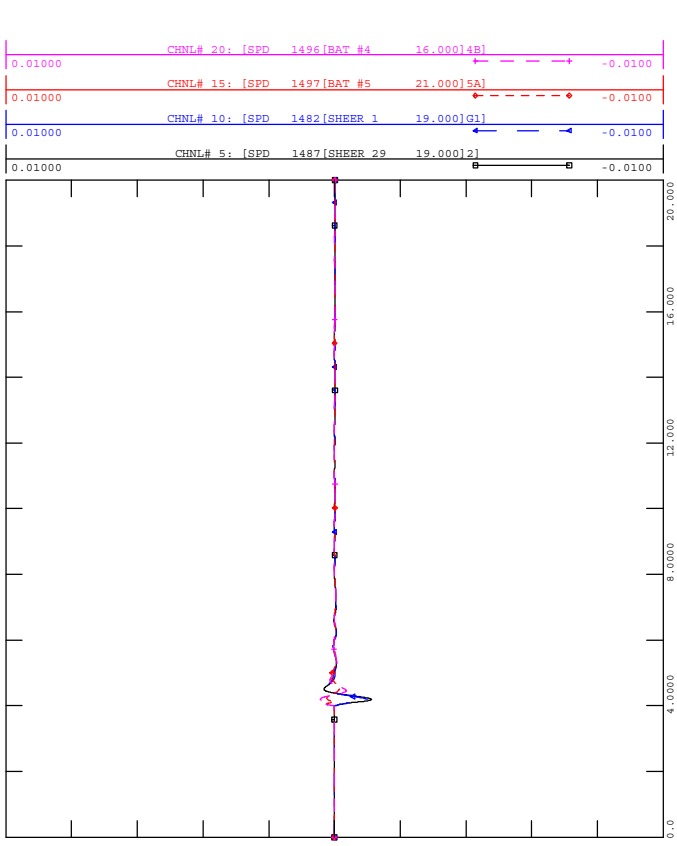


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:30

MACHINE SPEED

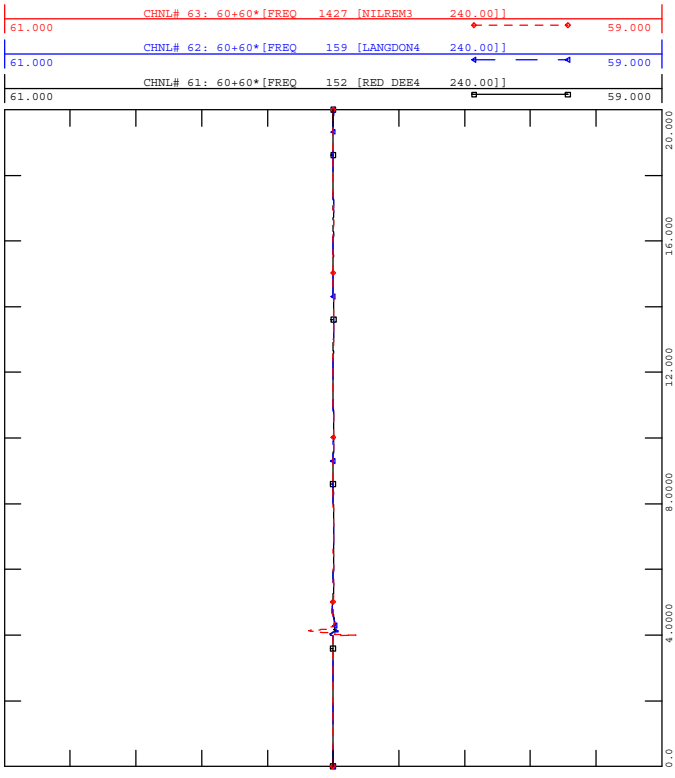


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:30

FREQUENCY

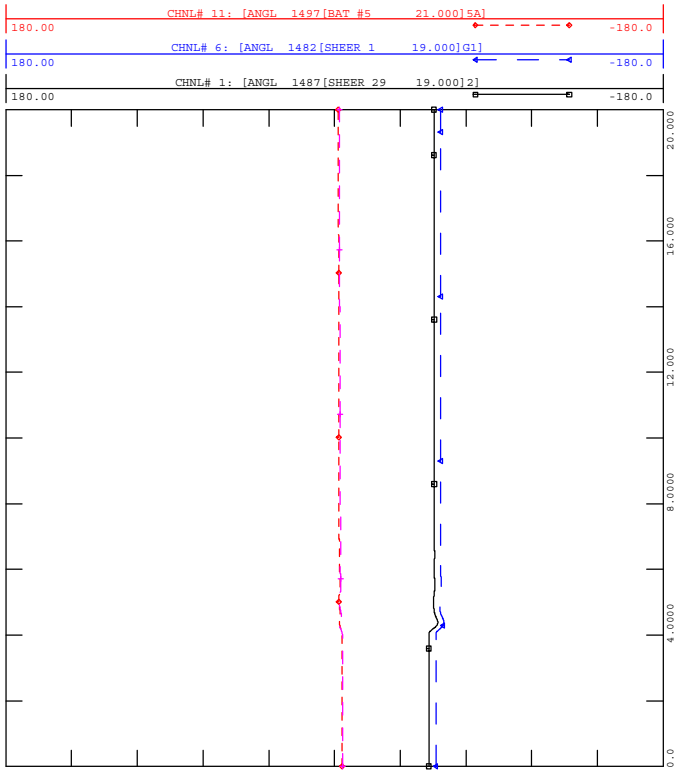


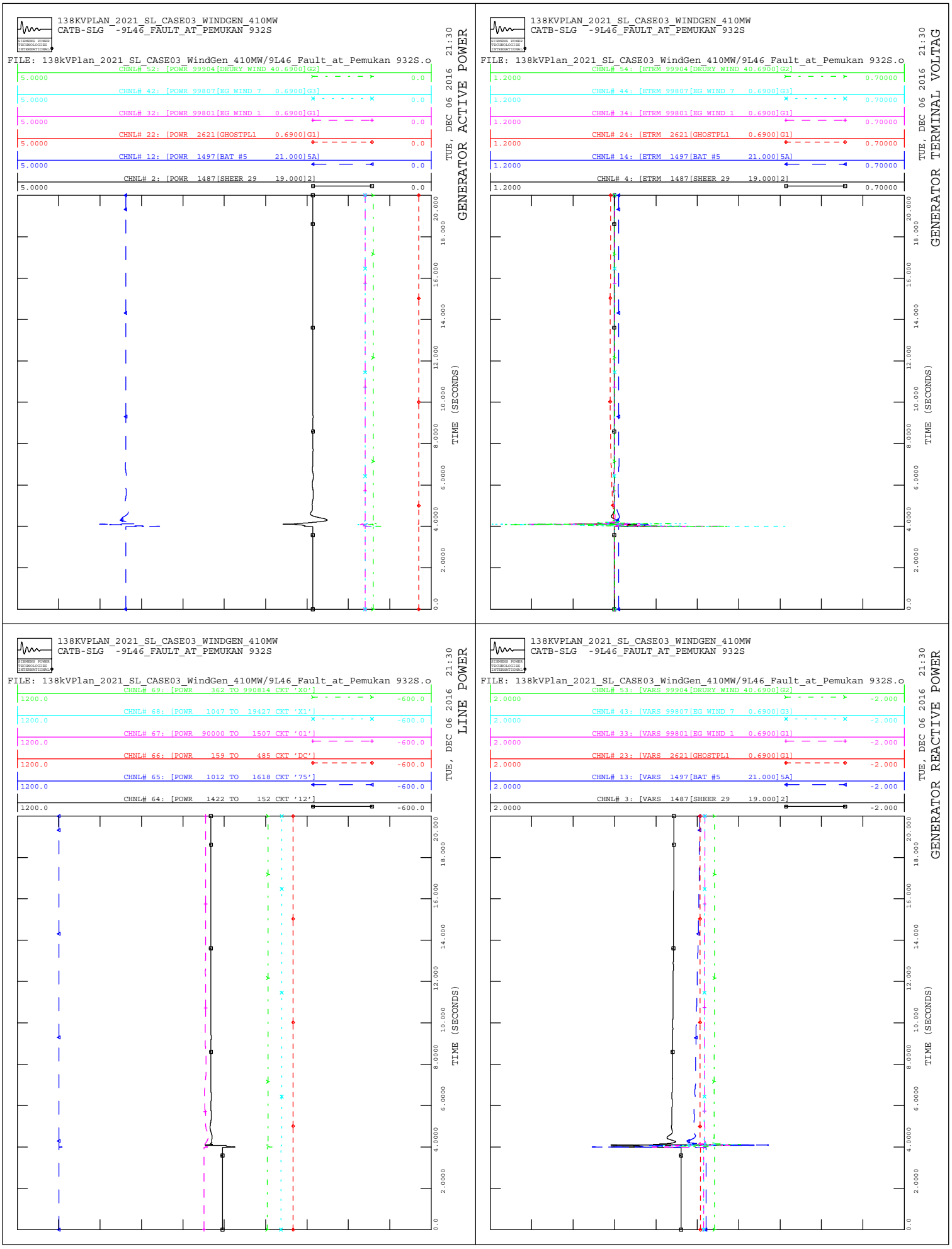
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:30

MACHINE ANGLE



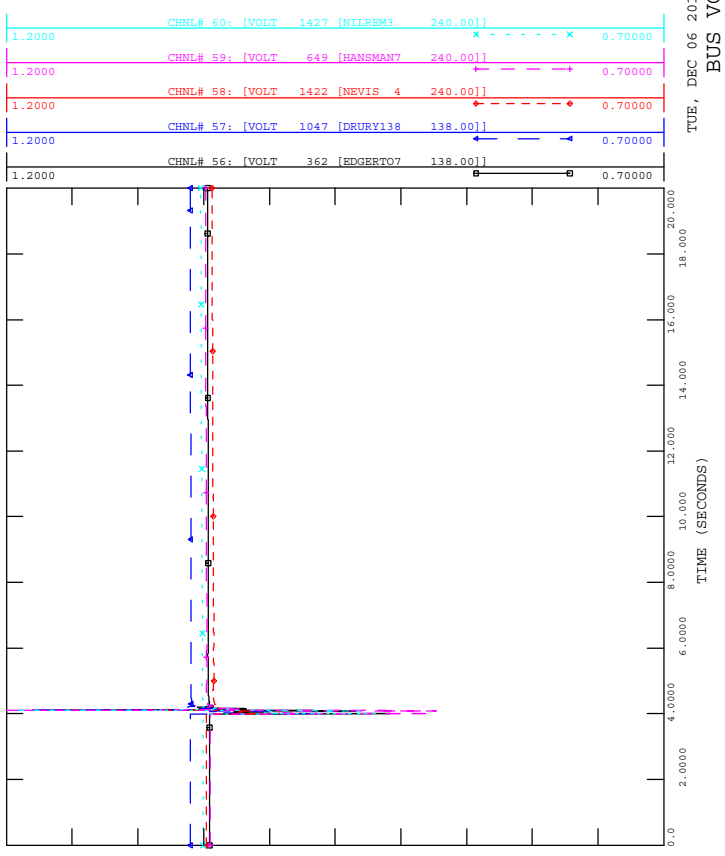

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
TUE, DEC 06 2016 21:30
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:30

BUS VOLTAGE

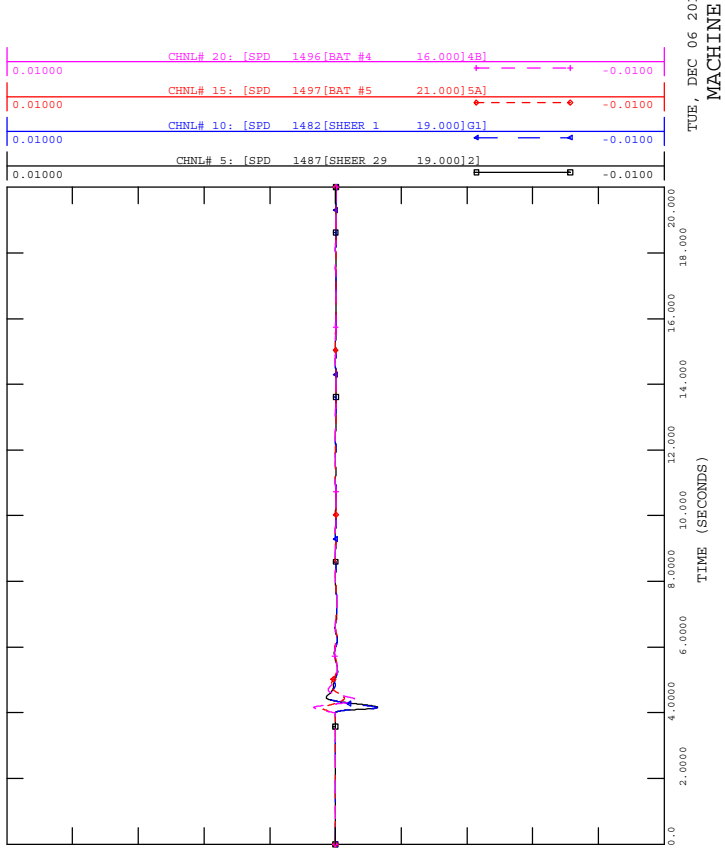


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:30

MACHINE SPEED

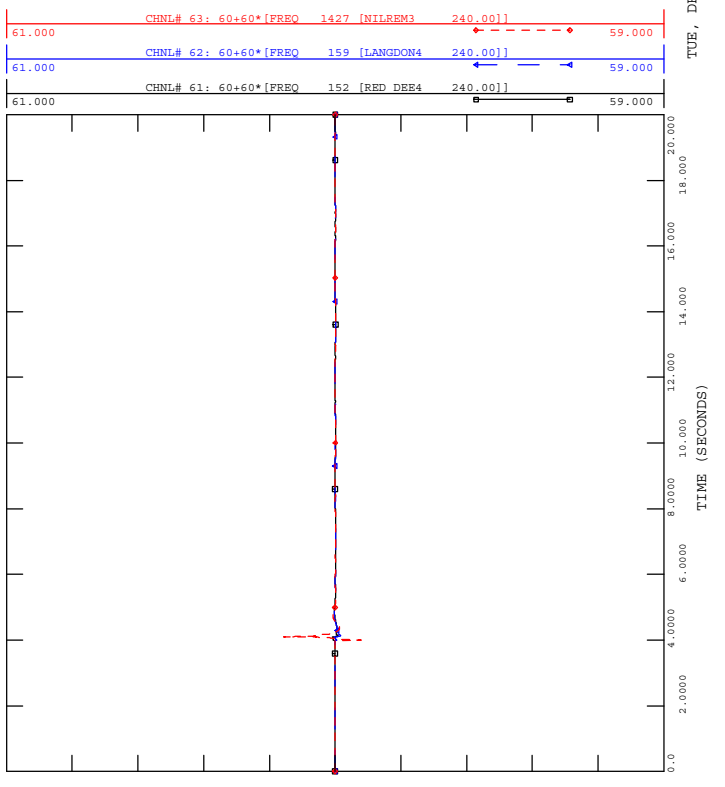


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:30

FREQUENCY

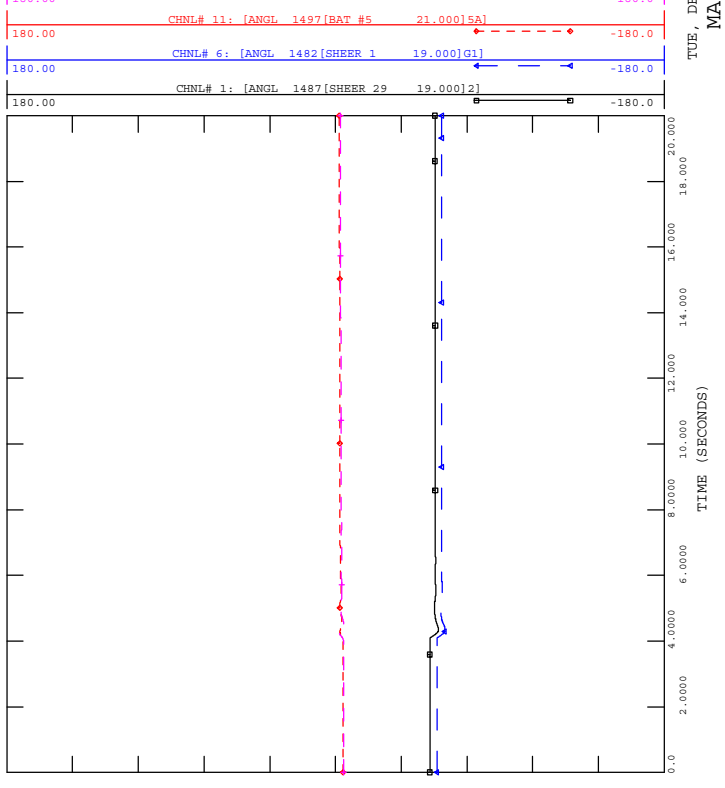


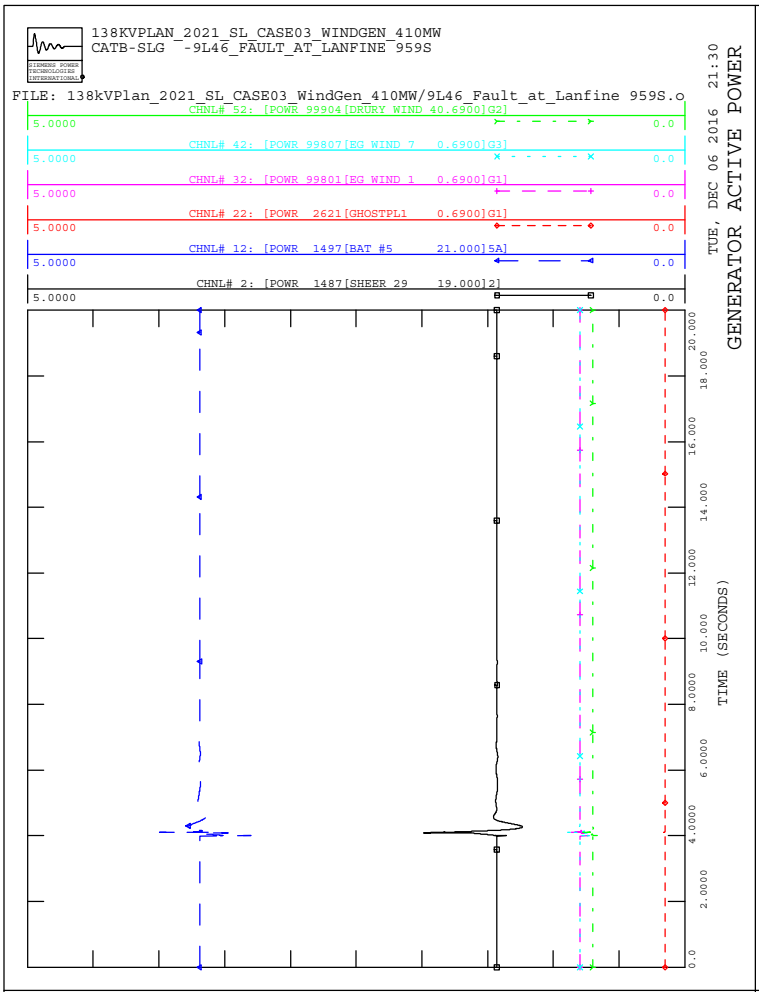
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

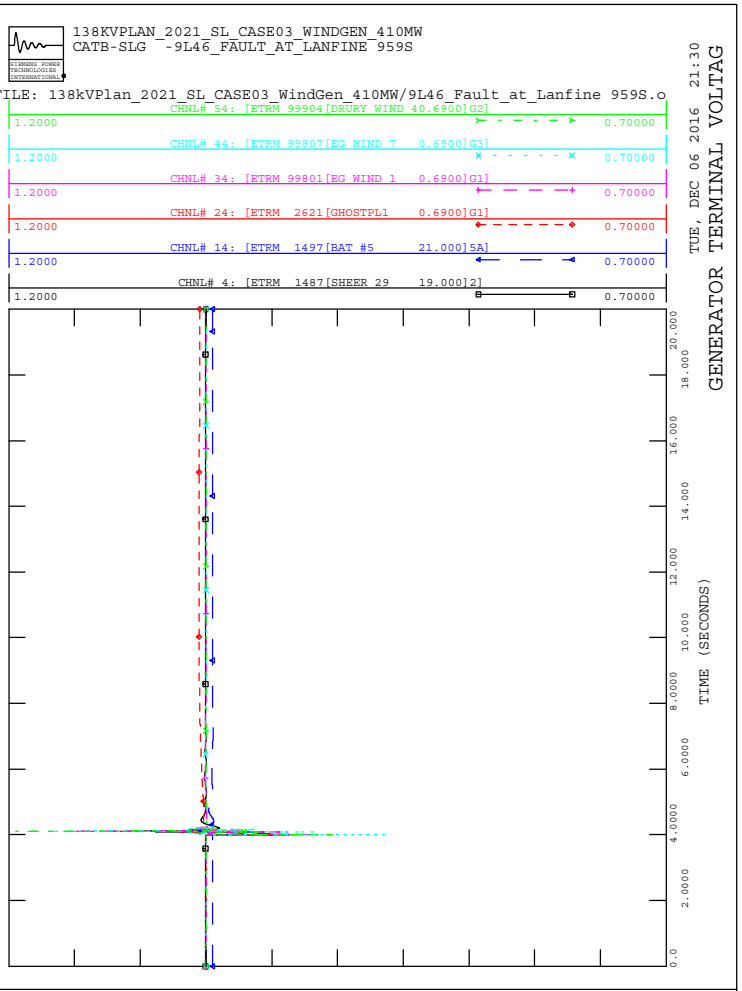
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

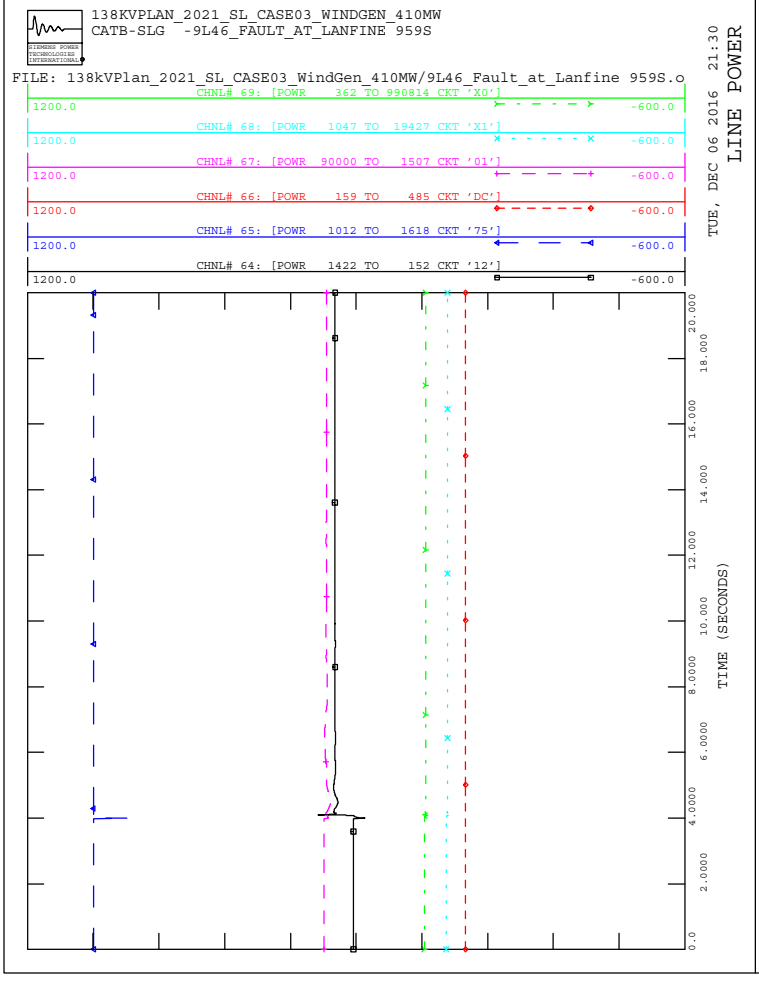
TUE, DEC 06 2016 21:30

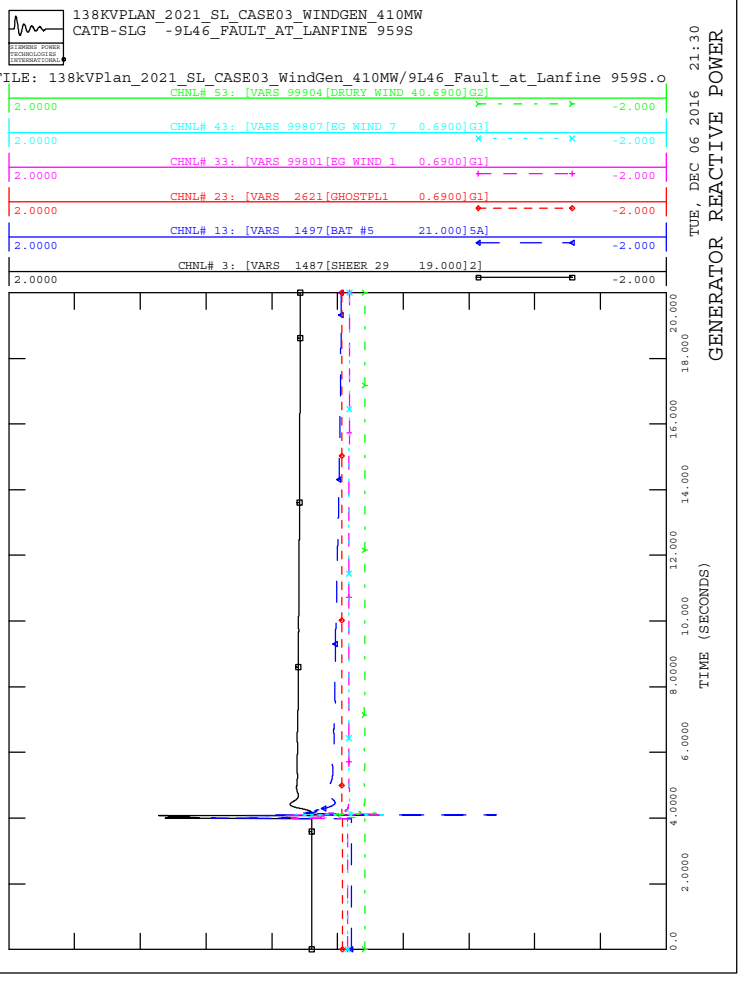
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

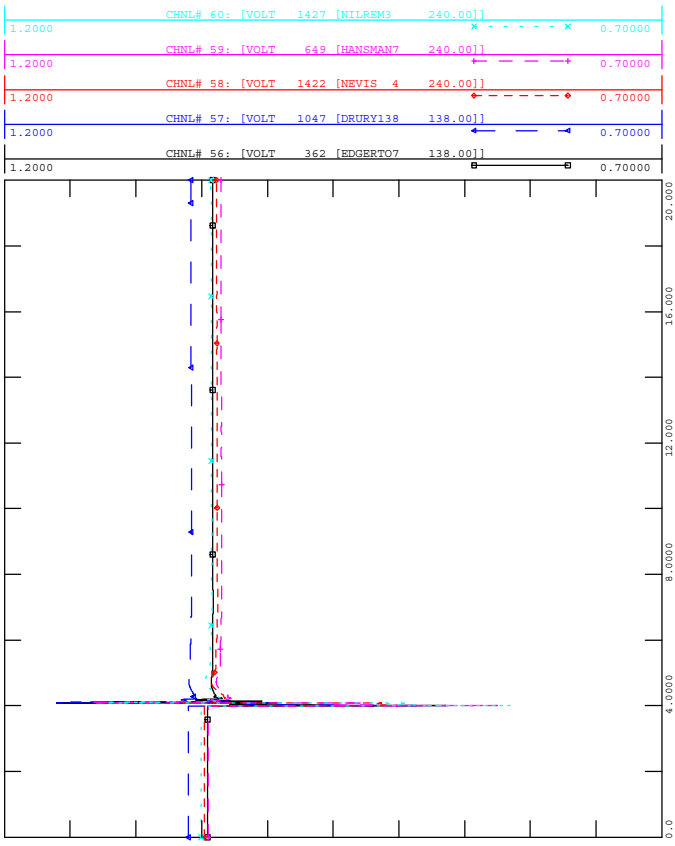

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:30

BUS VOLTAGE

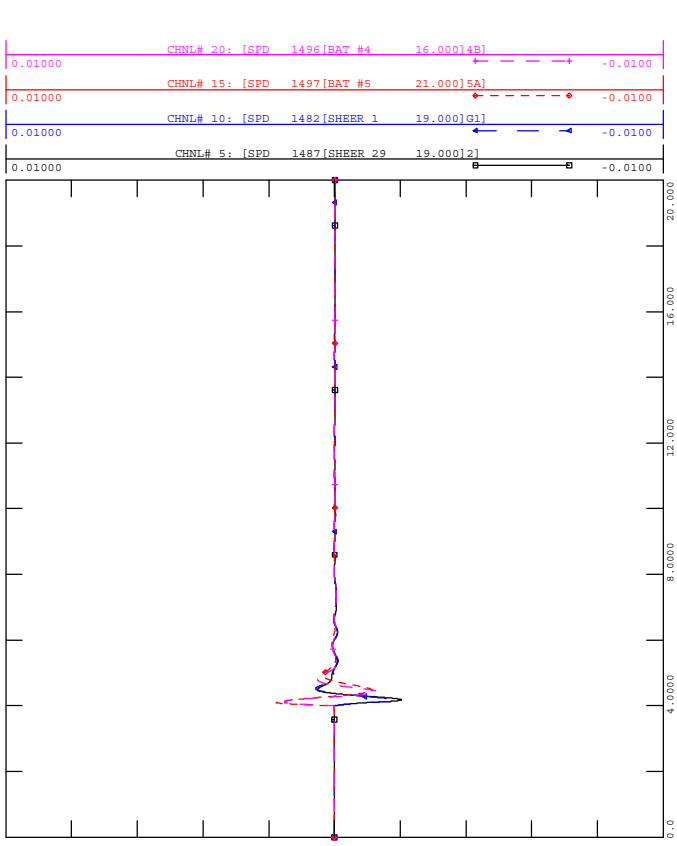


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:30

MACHINE SPEED

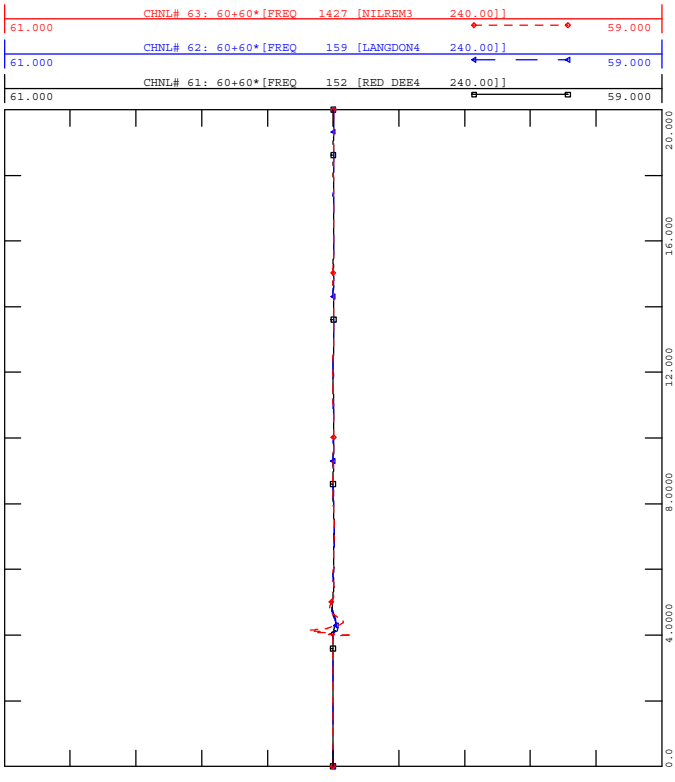


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:30

FREQUENCY

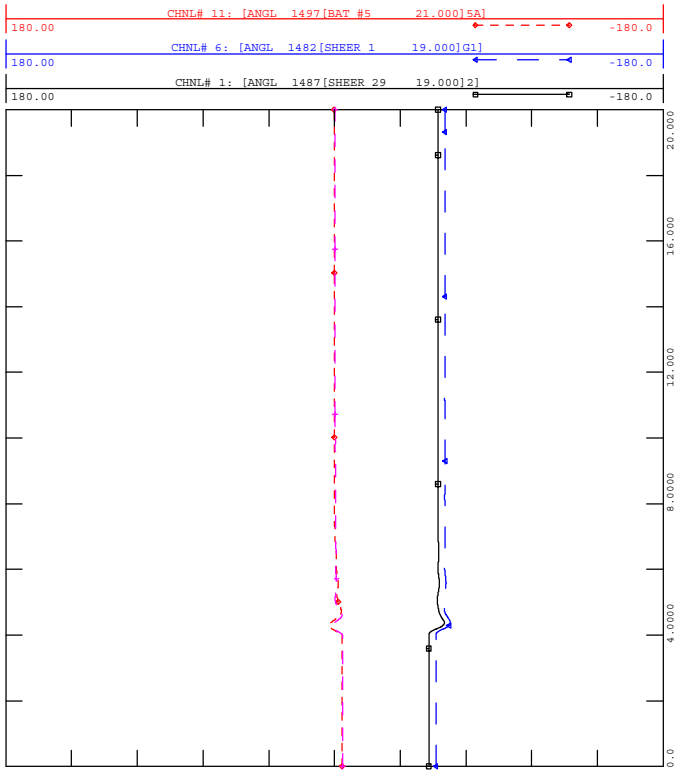


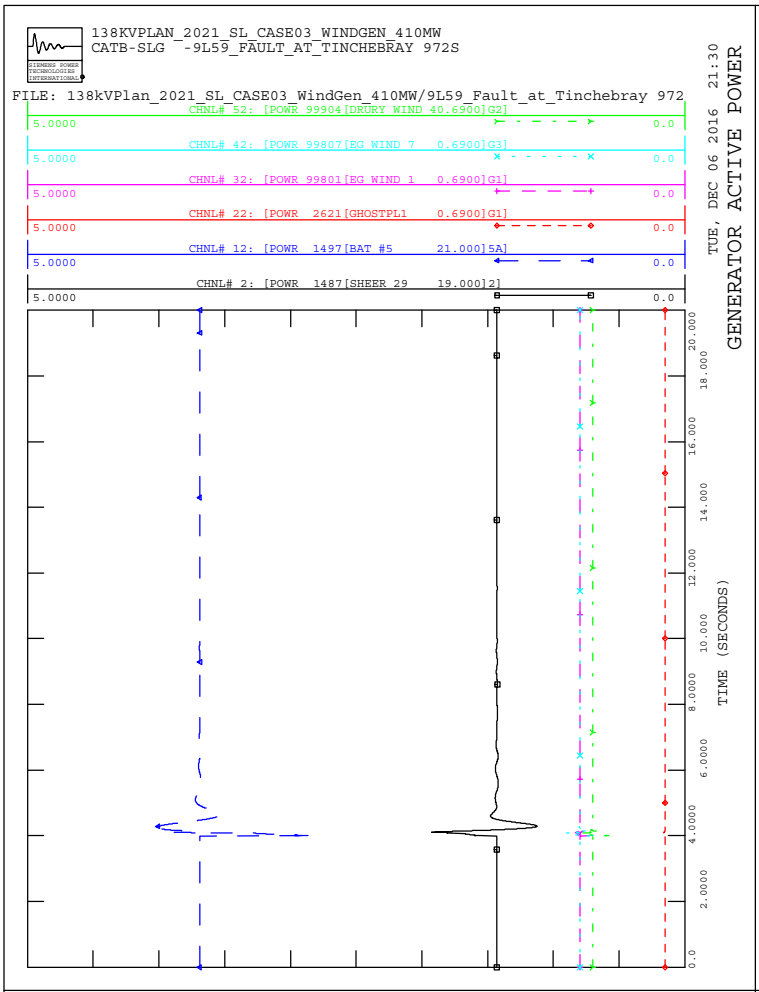
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

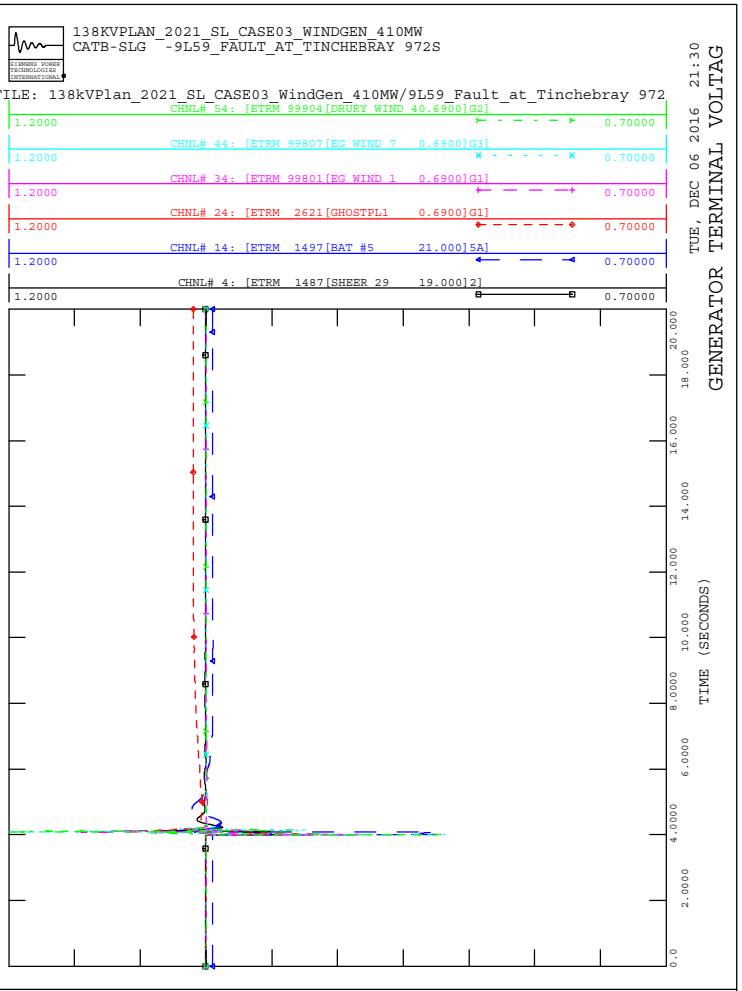
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972

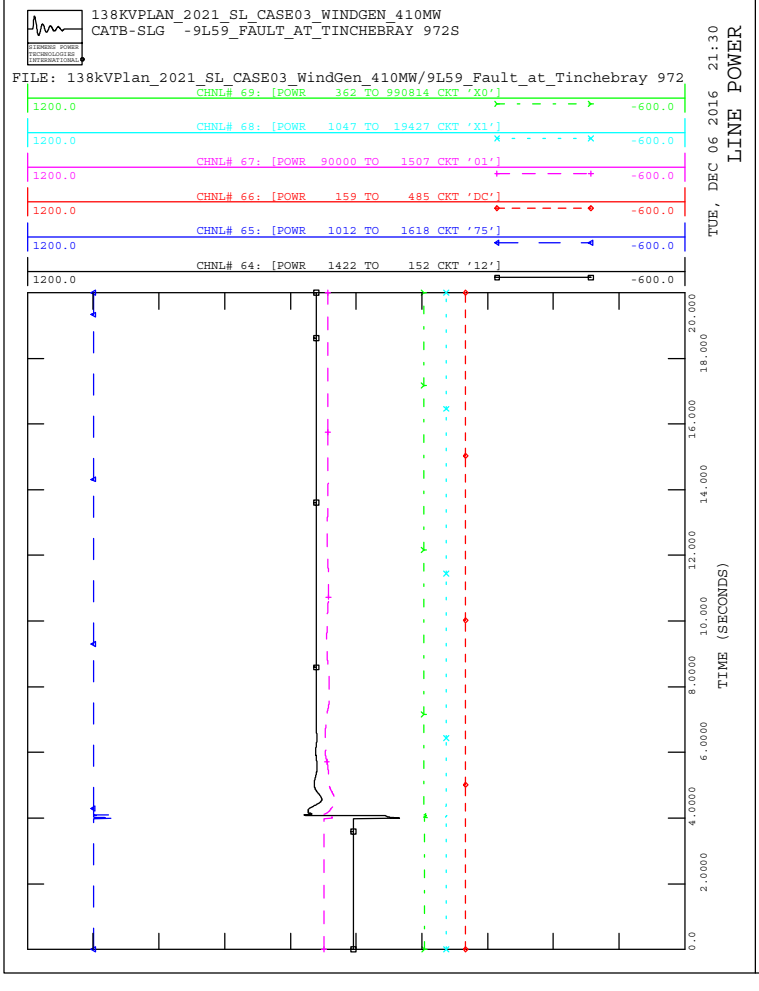
TUE, DEC 06 2016 21:30

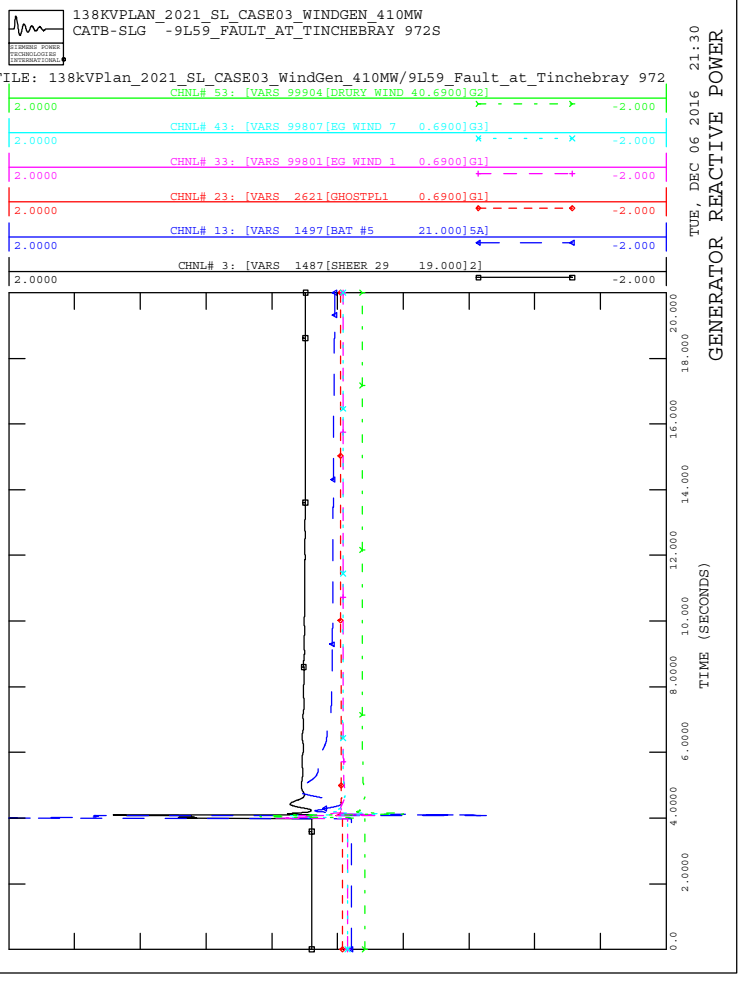
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

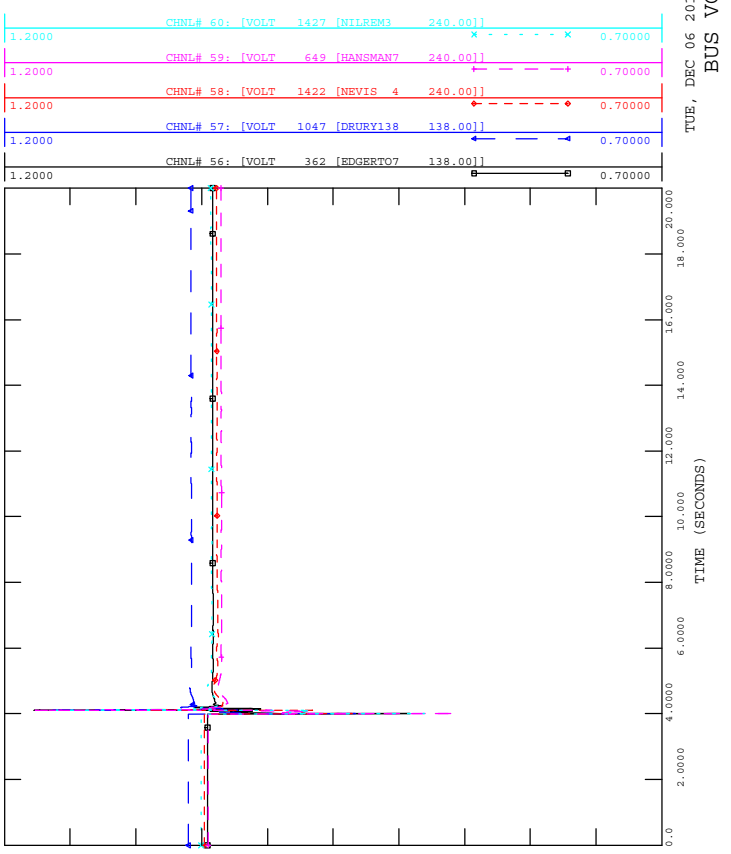

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:30

BUS VOLTAGE

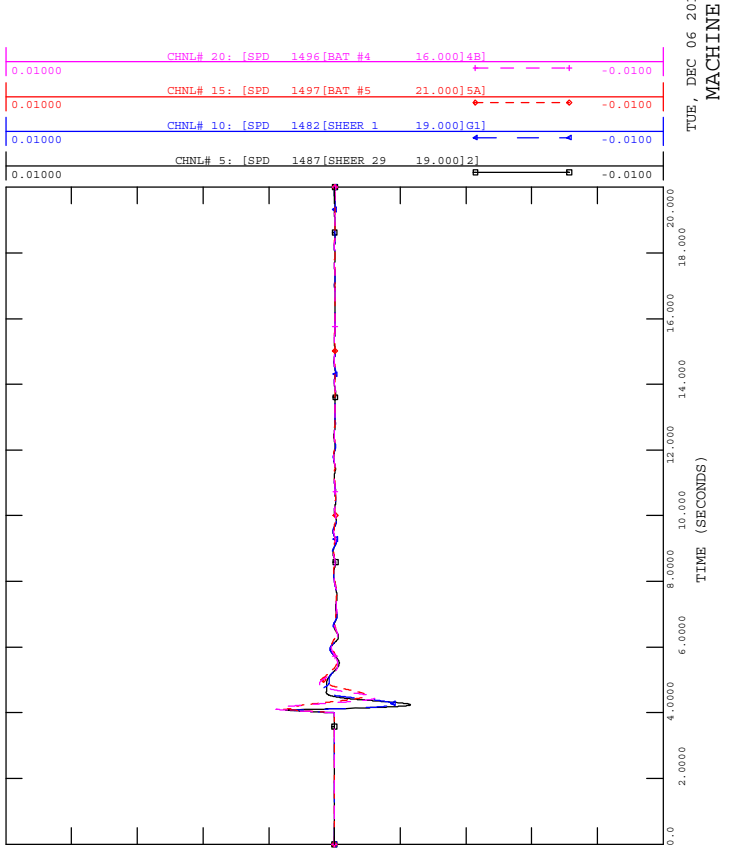


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:30

MACHINE SPEED

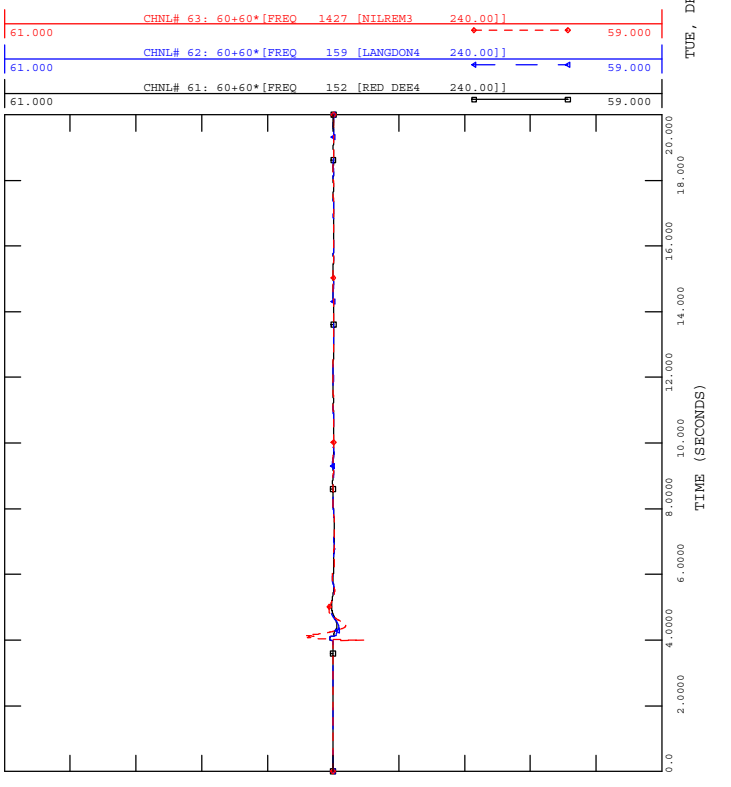


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:30

FREQUENCY

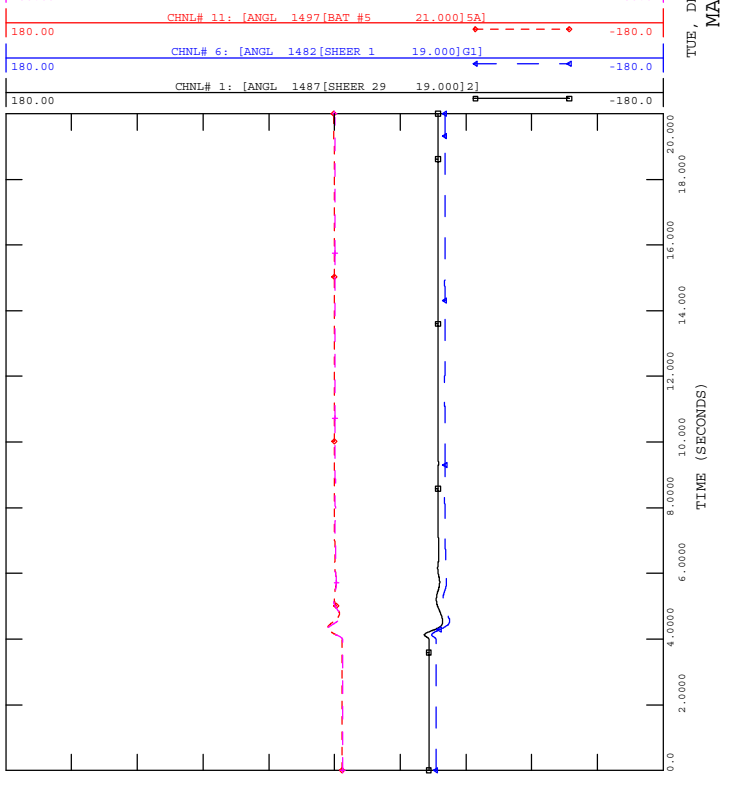


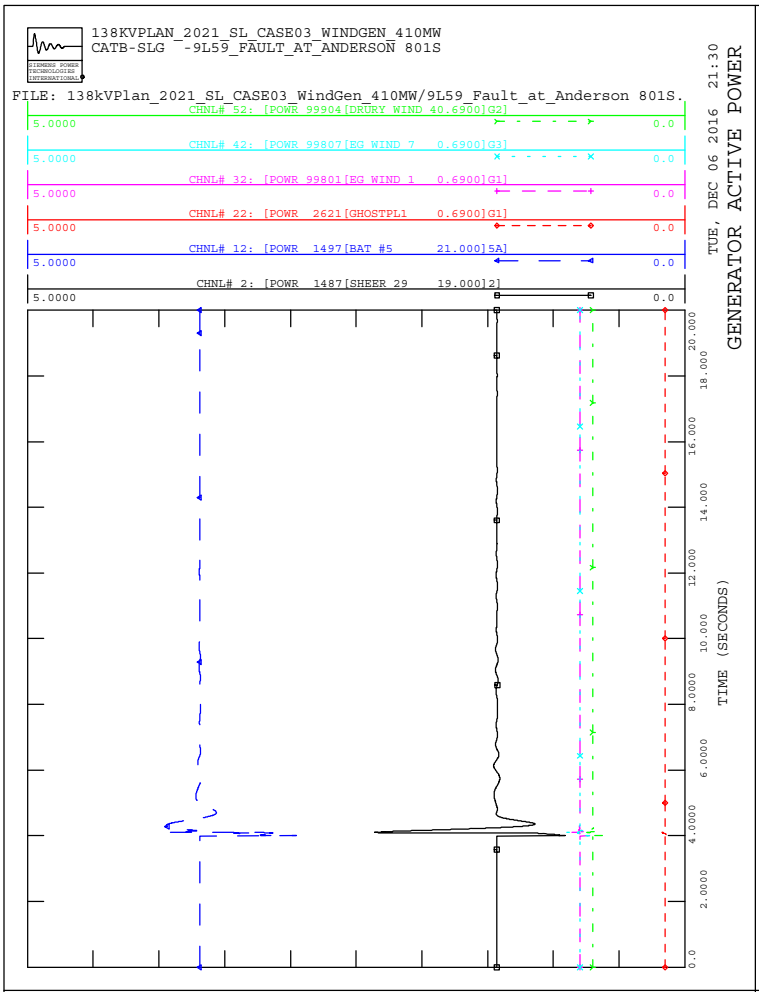
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

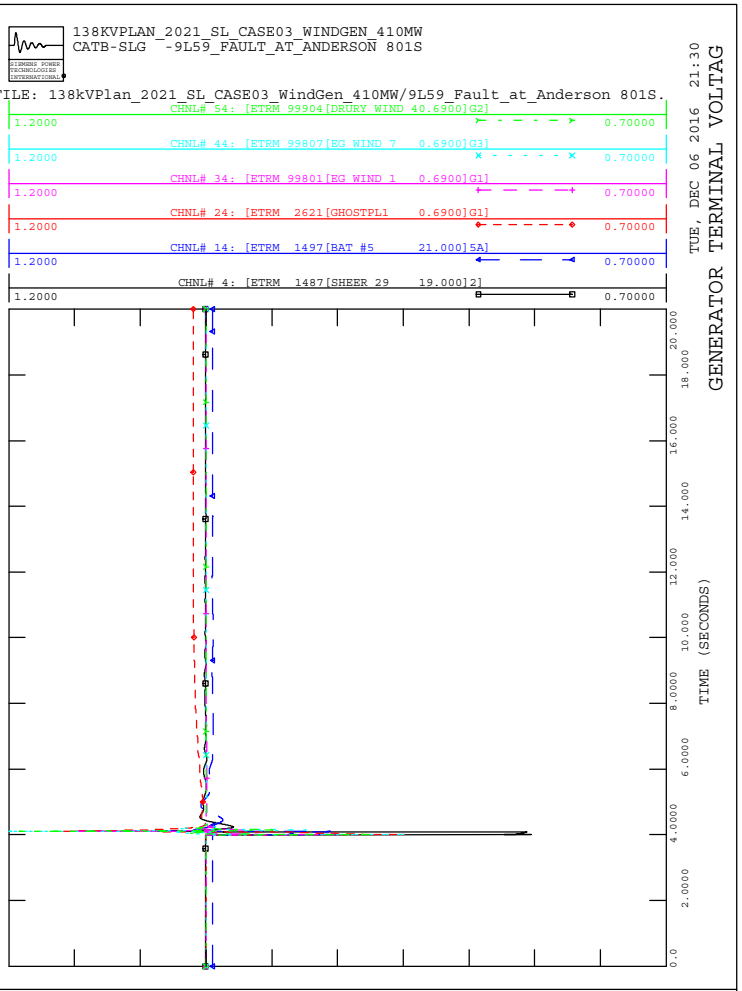
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.

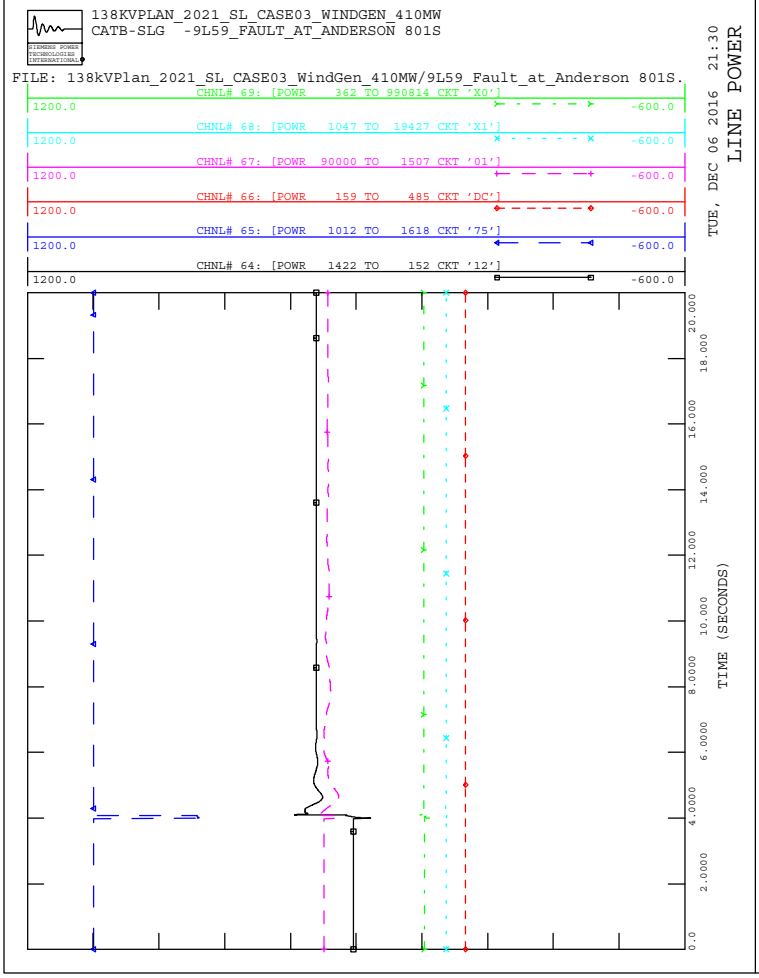
TUE, DEC 06 2016 21:30

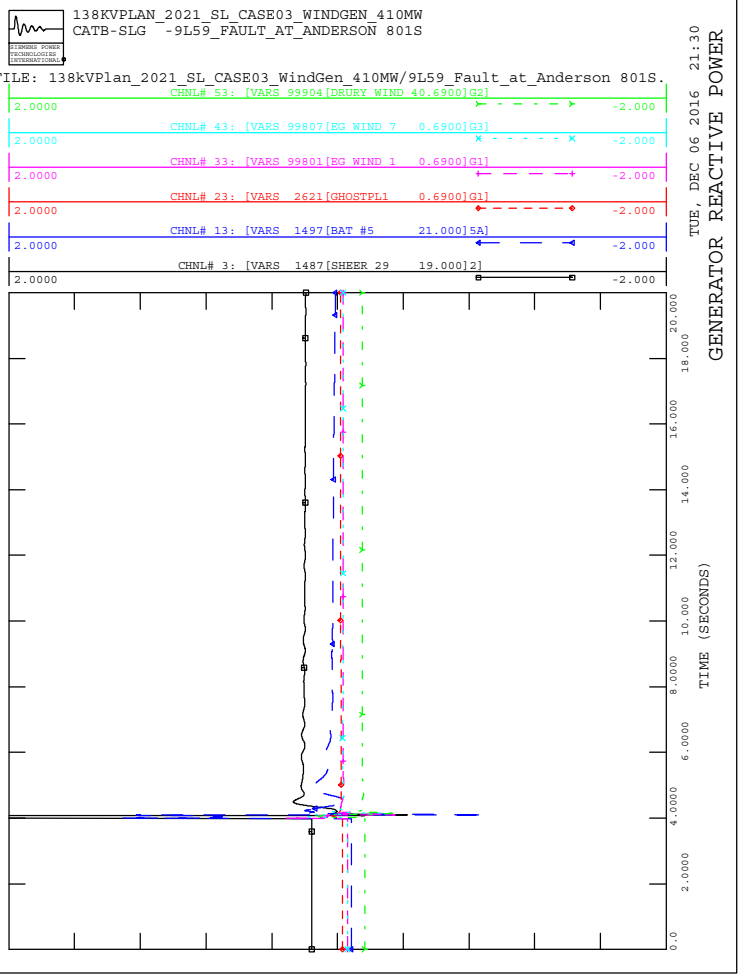
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

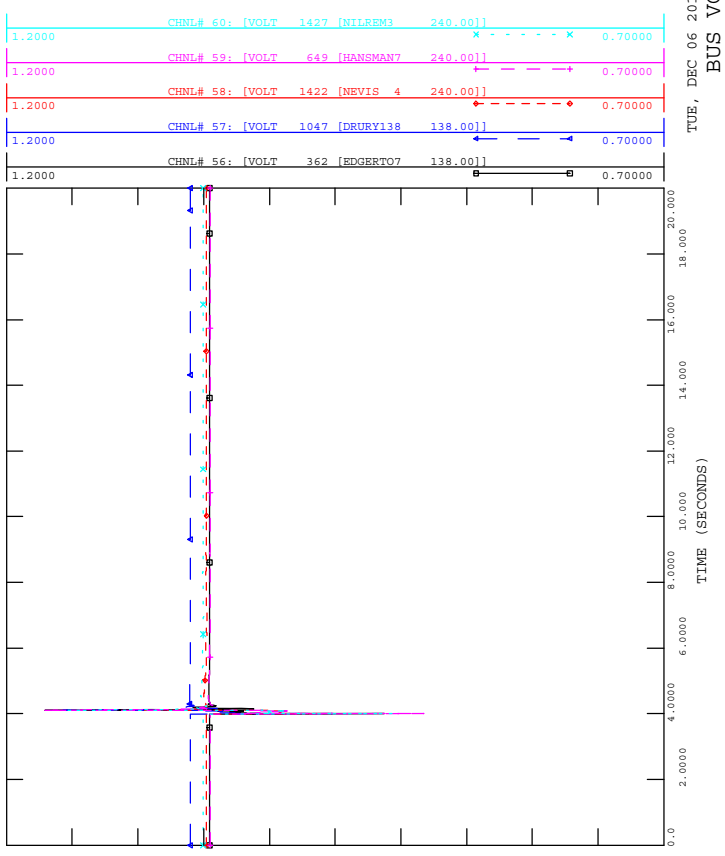

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L59_Fault_at_Anderson 801S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:30

BUS VOLTAGE

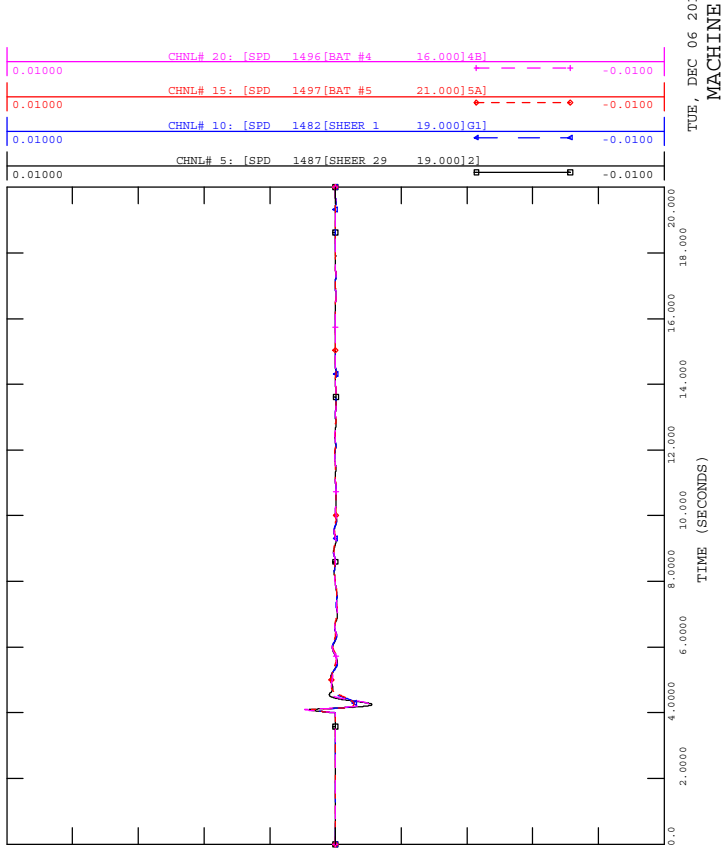


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:30

MACHINE SPEED

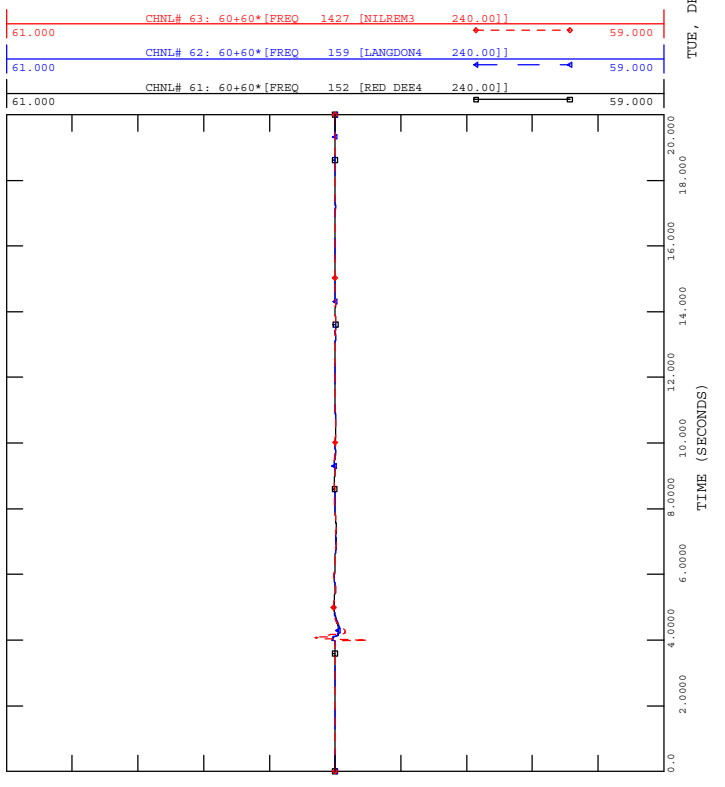


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:30

FREQUENCY

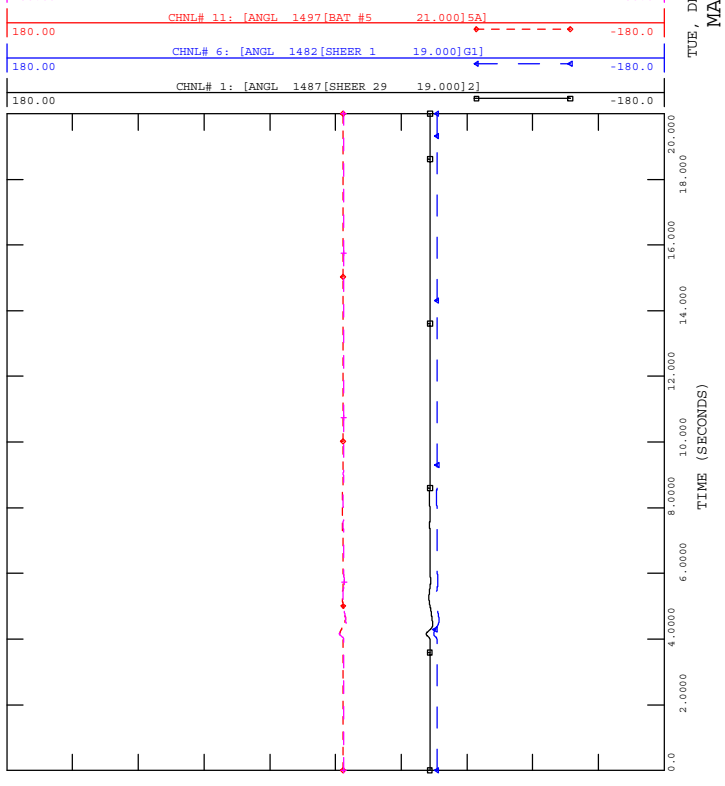


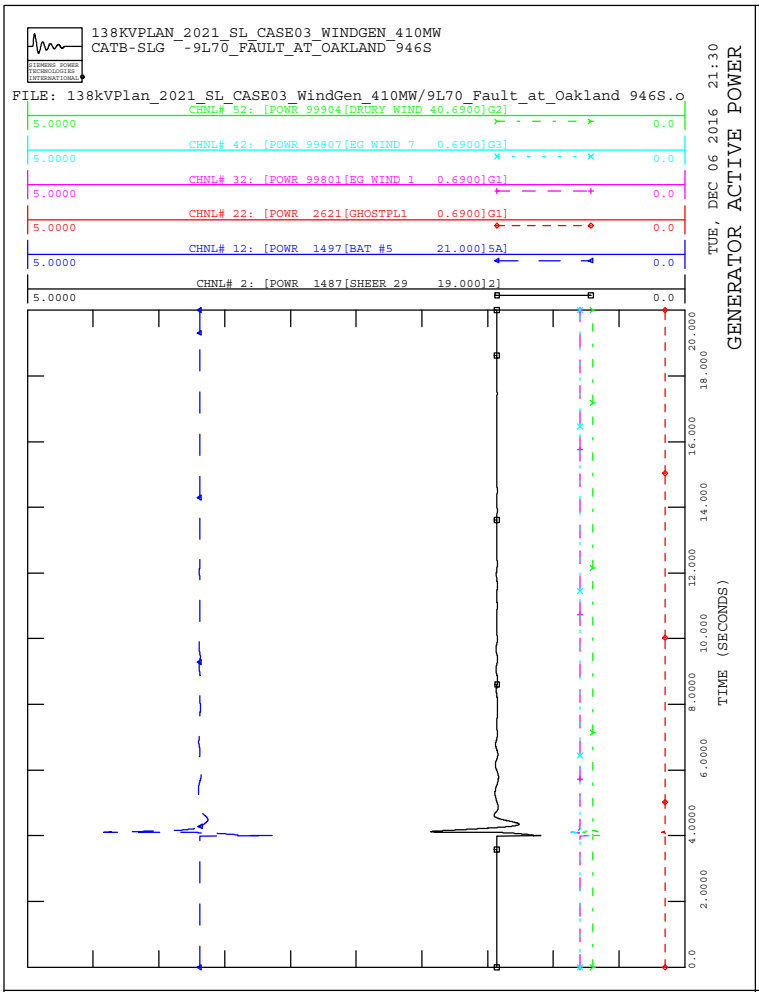
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

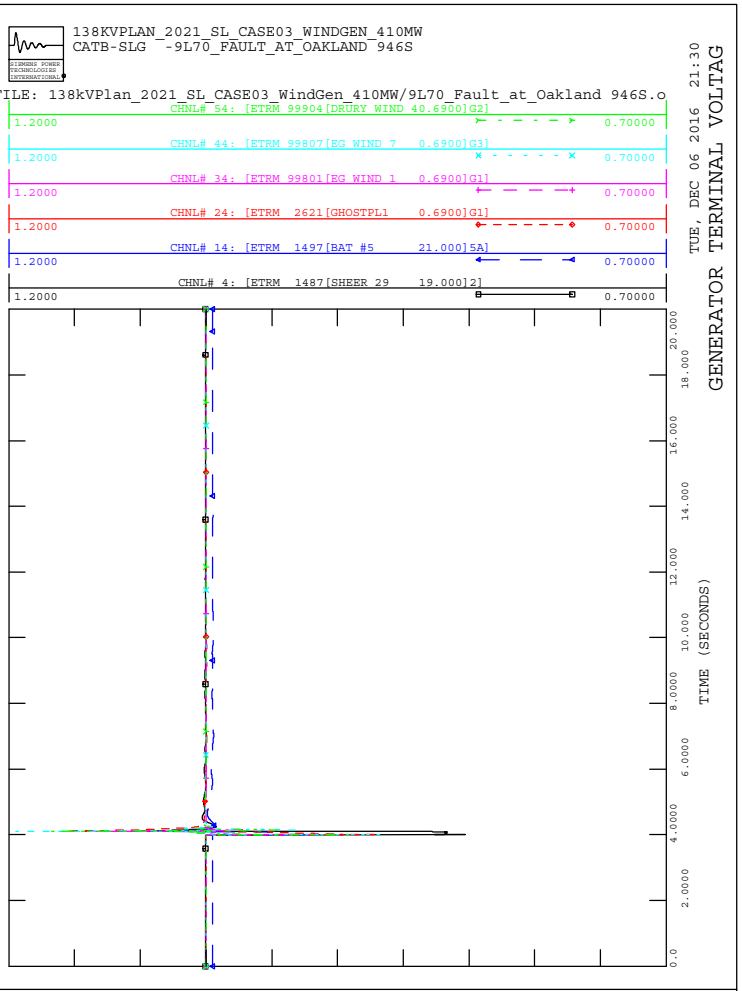
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:30

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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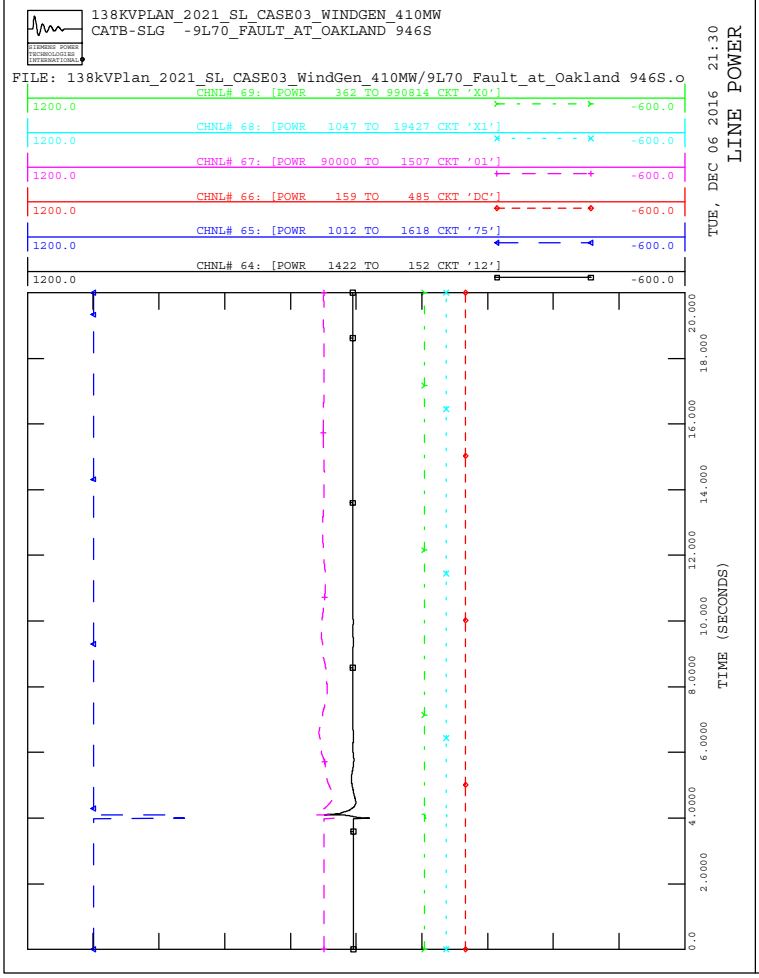
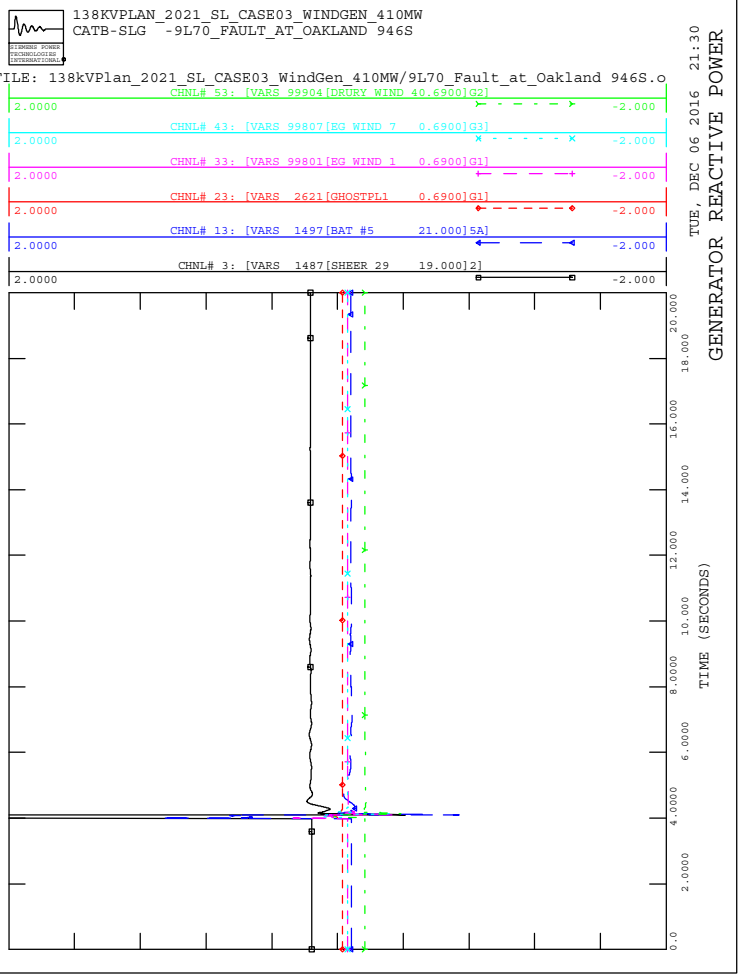
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
LINE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
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10.000
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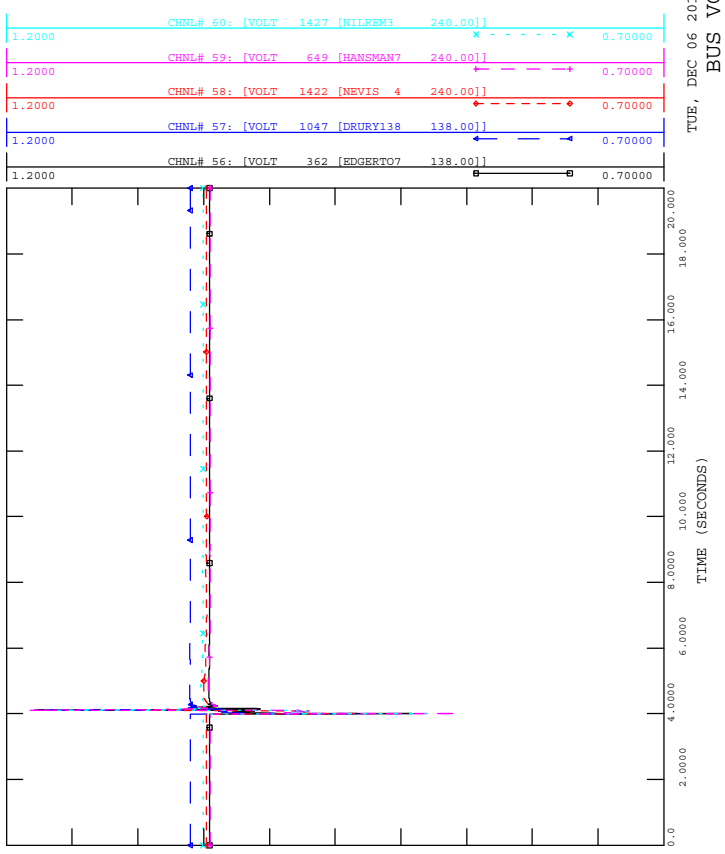
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:30

BUS VOLTAGE

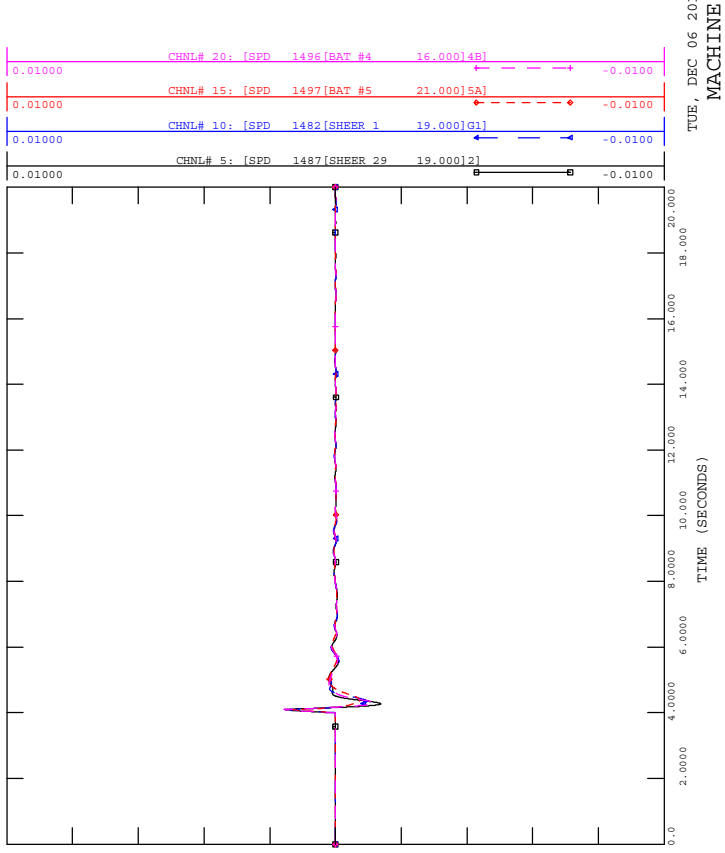


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:30

MACHINE SPEED

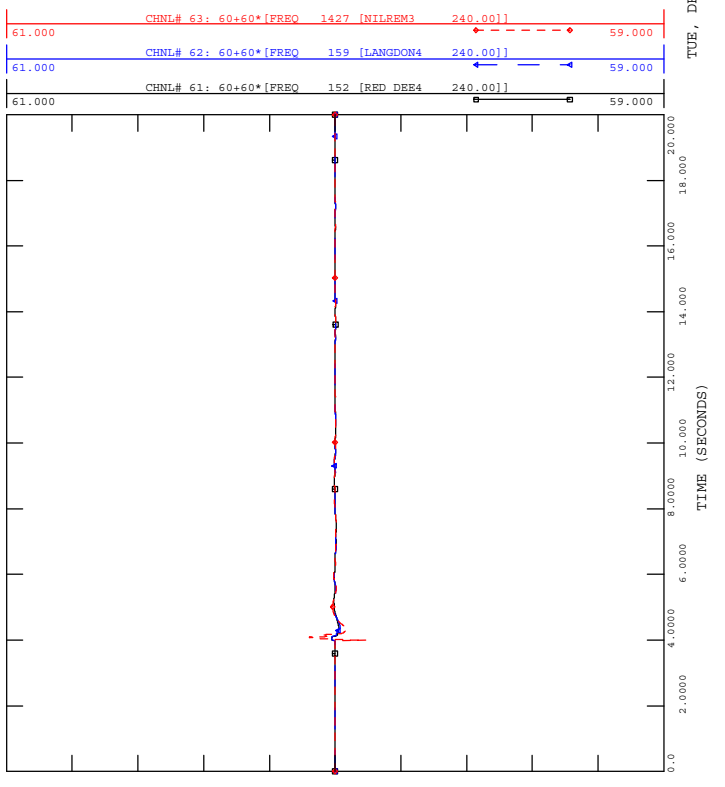


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:30

FREQUENCY

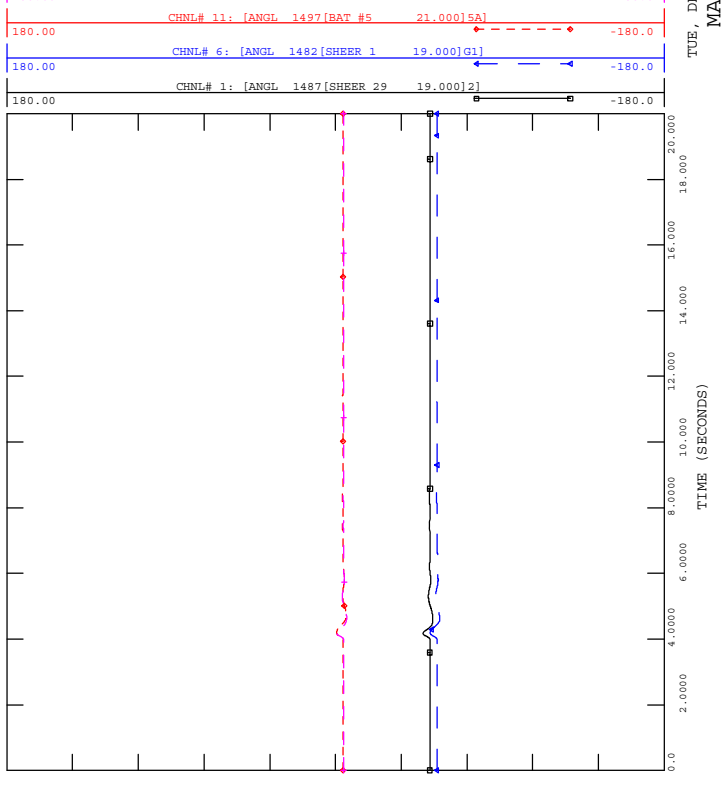


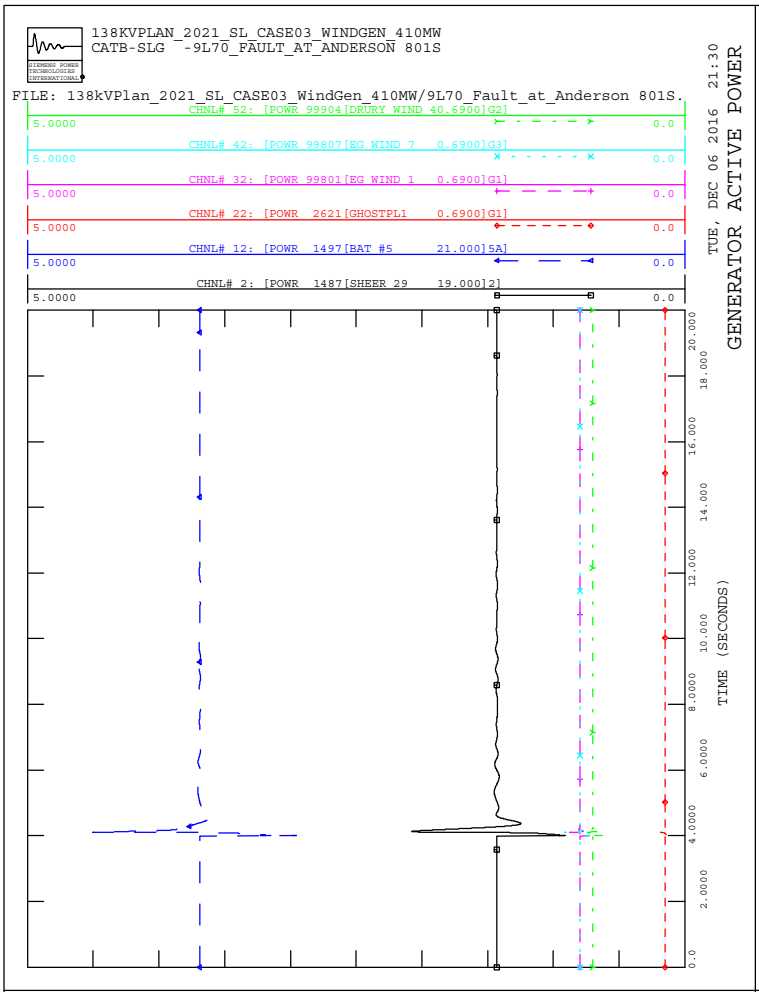
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:30

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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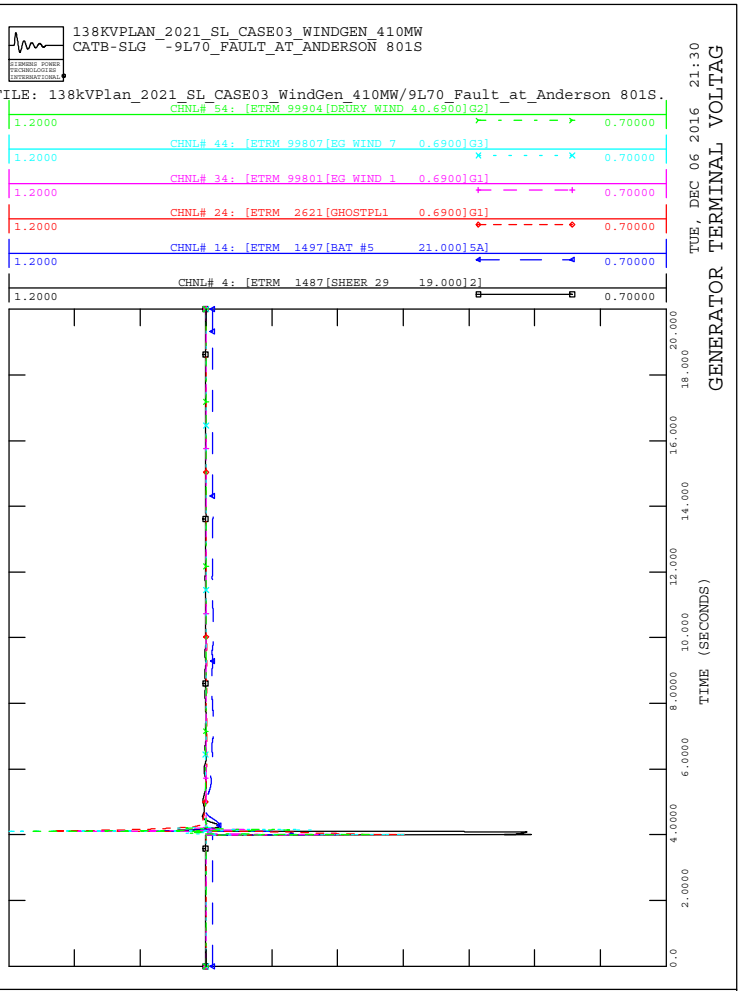
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
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12.000
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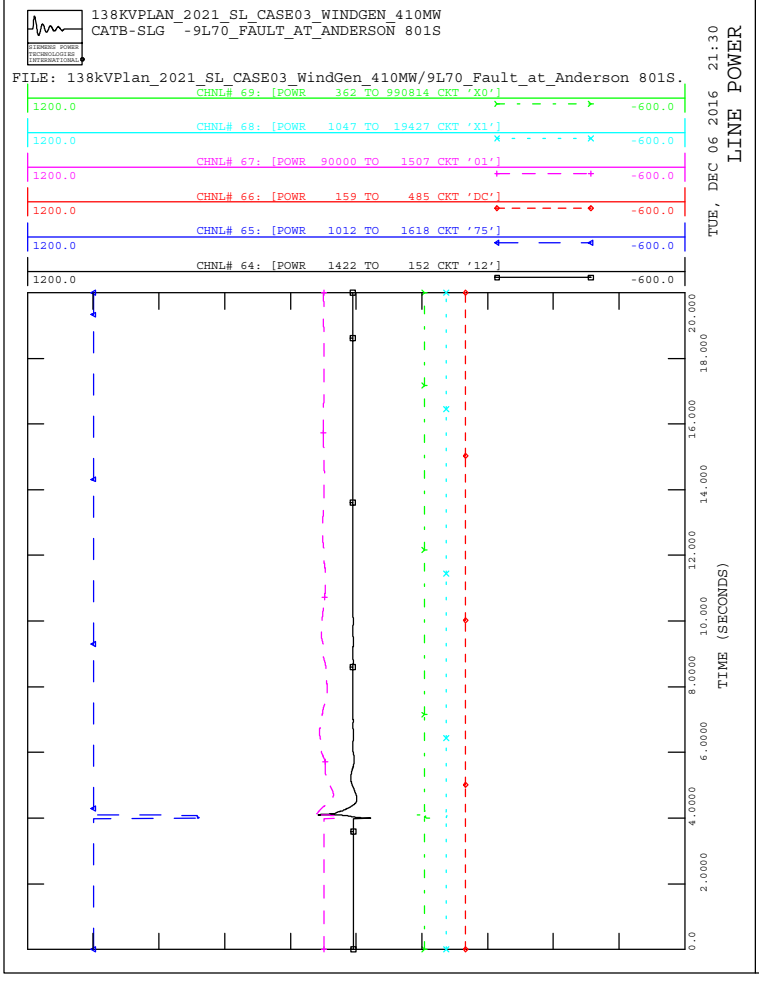
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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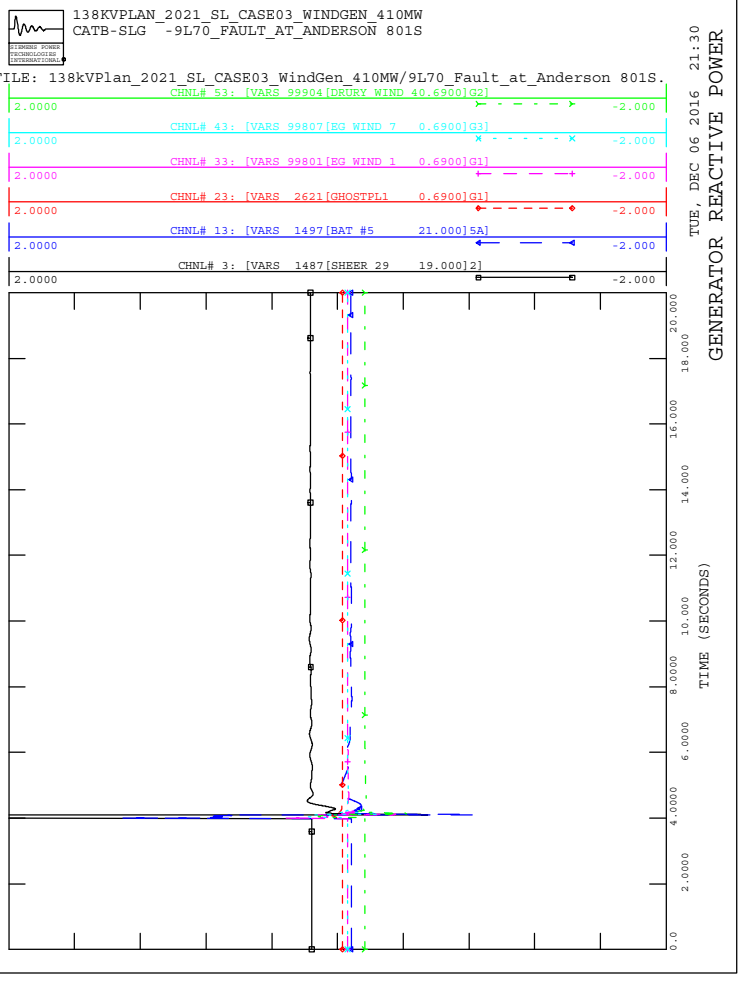
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70_Fault_at_Anderson 801S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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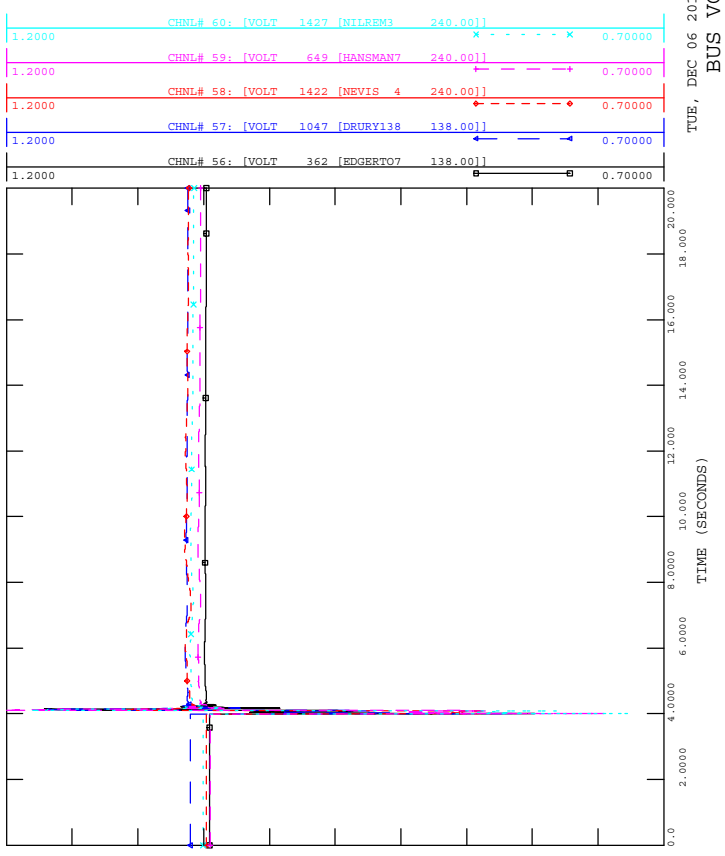
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7

TUE, DEC 06 2016 21:30

BUS VOLTAGE

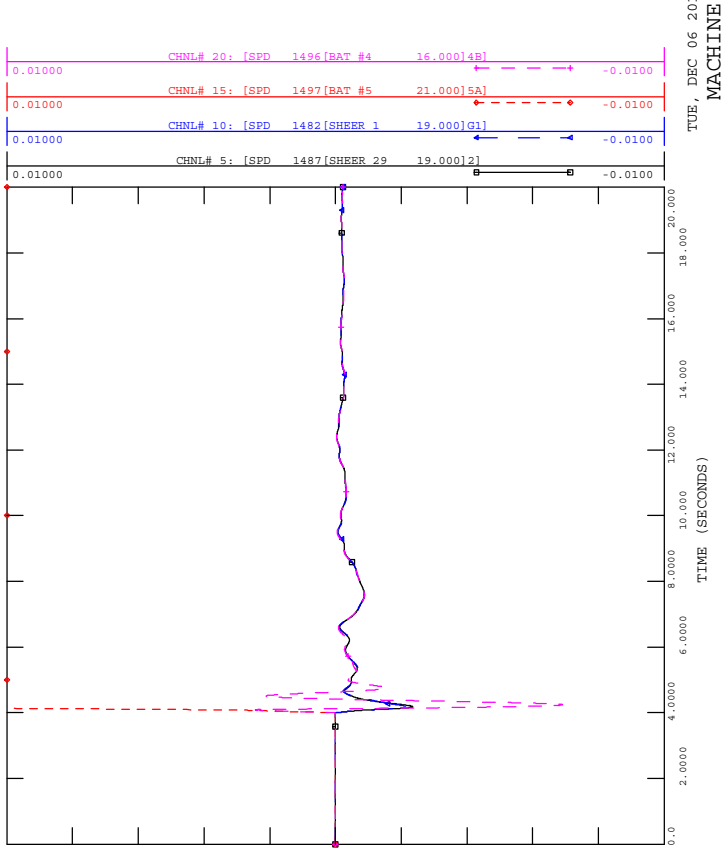


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7

TUE, DEC 06 2016 21:30

MACHINE SPEED

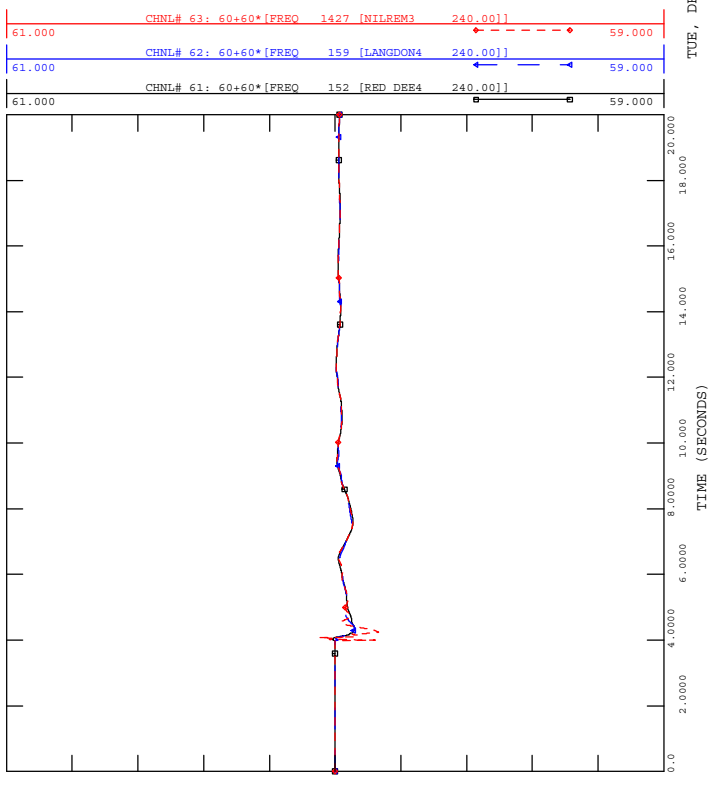


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7

TUE, DEC 06 2016 21:30

FREQUENCY

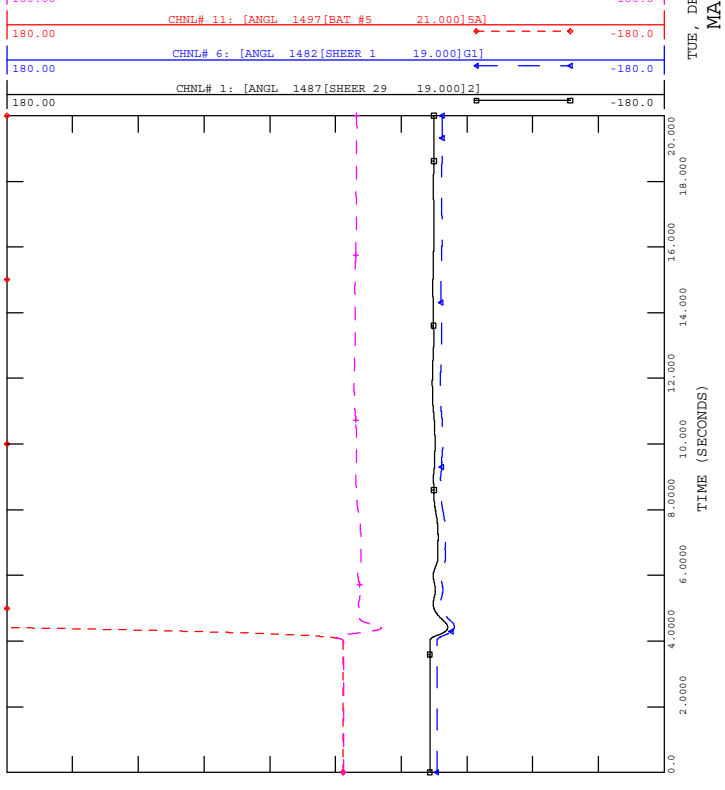


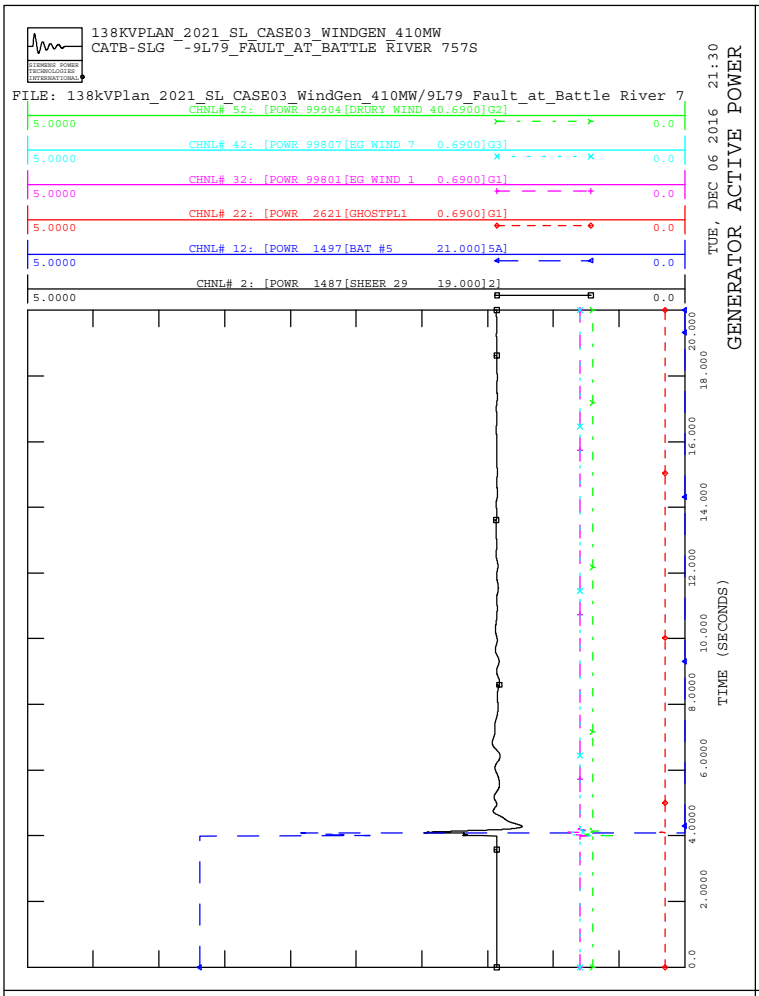
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

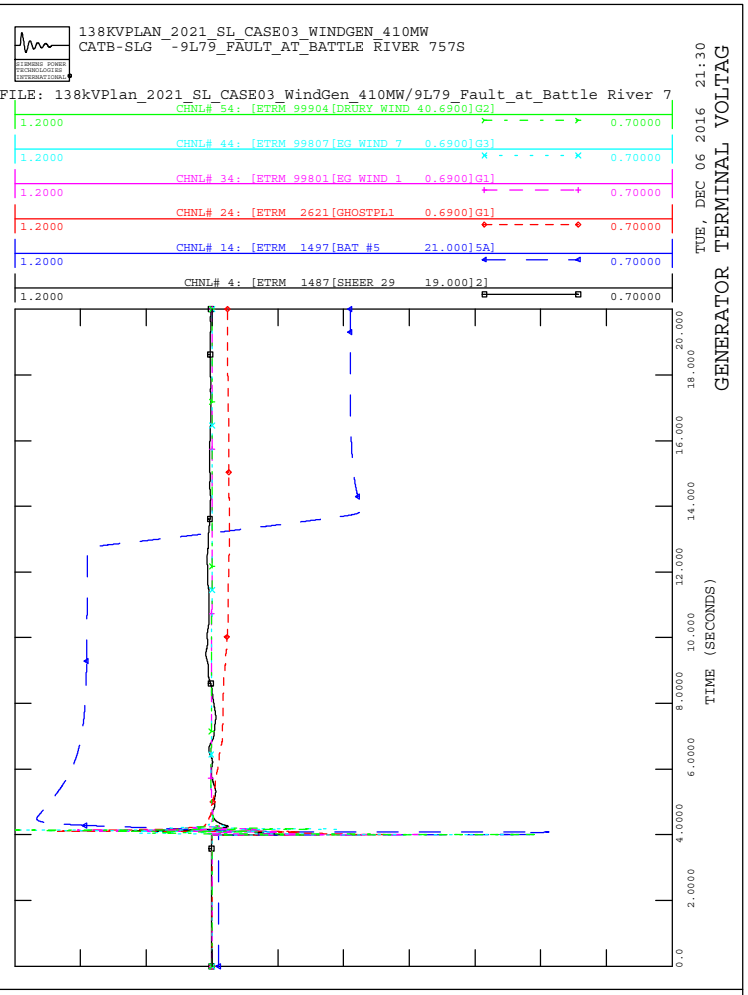
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7

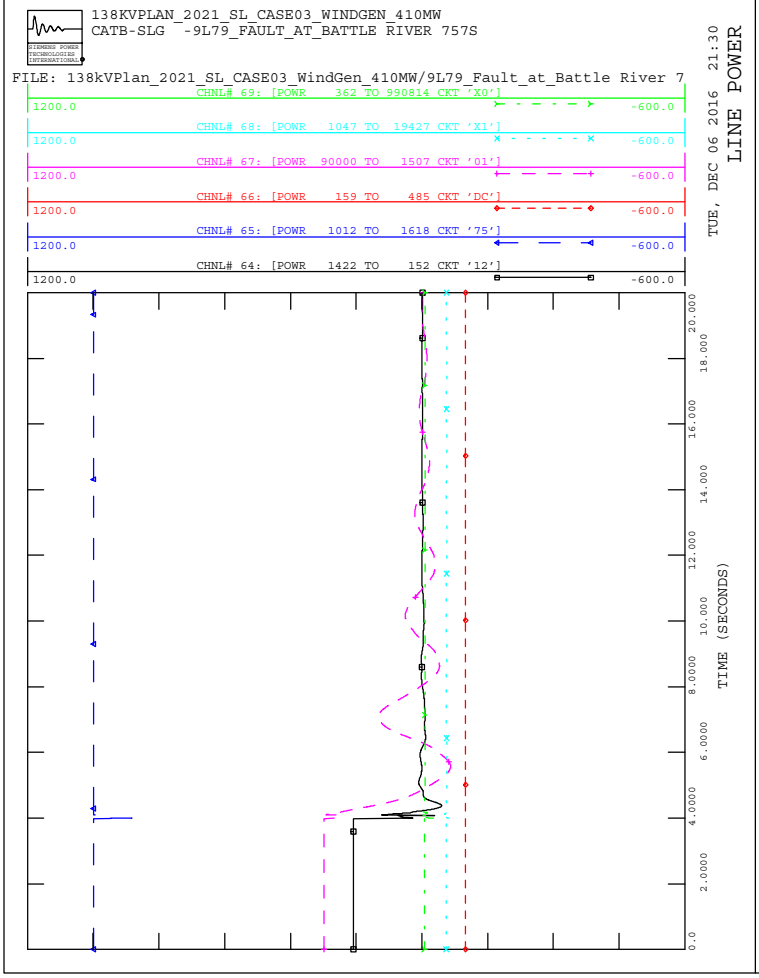
TUE, DEC 06 2016 21:30

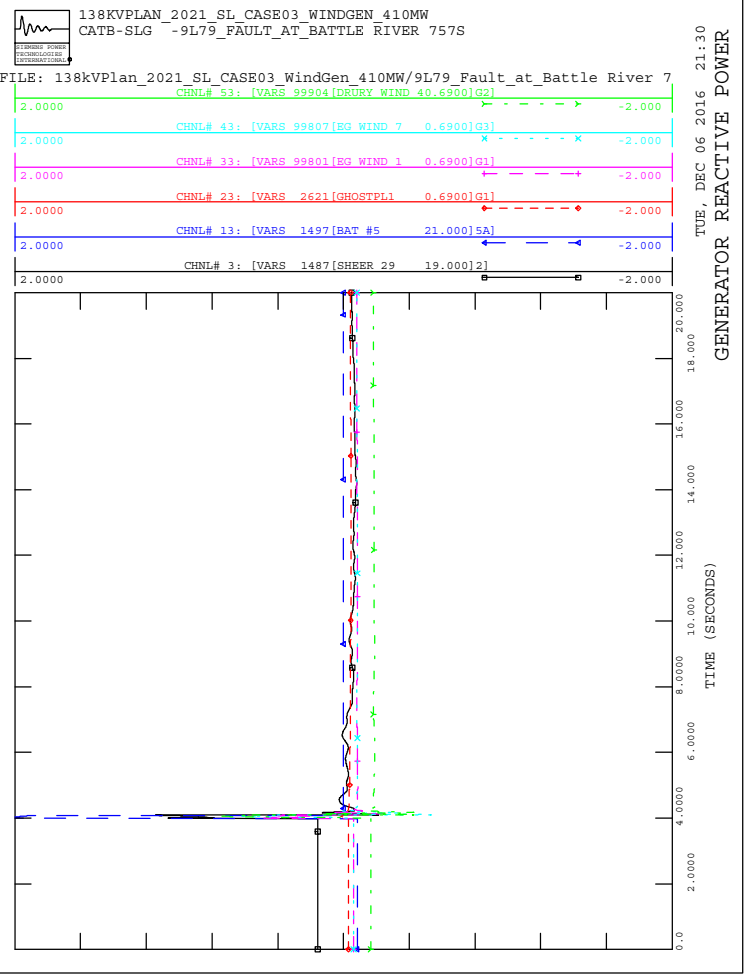
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

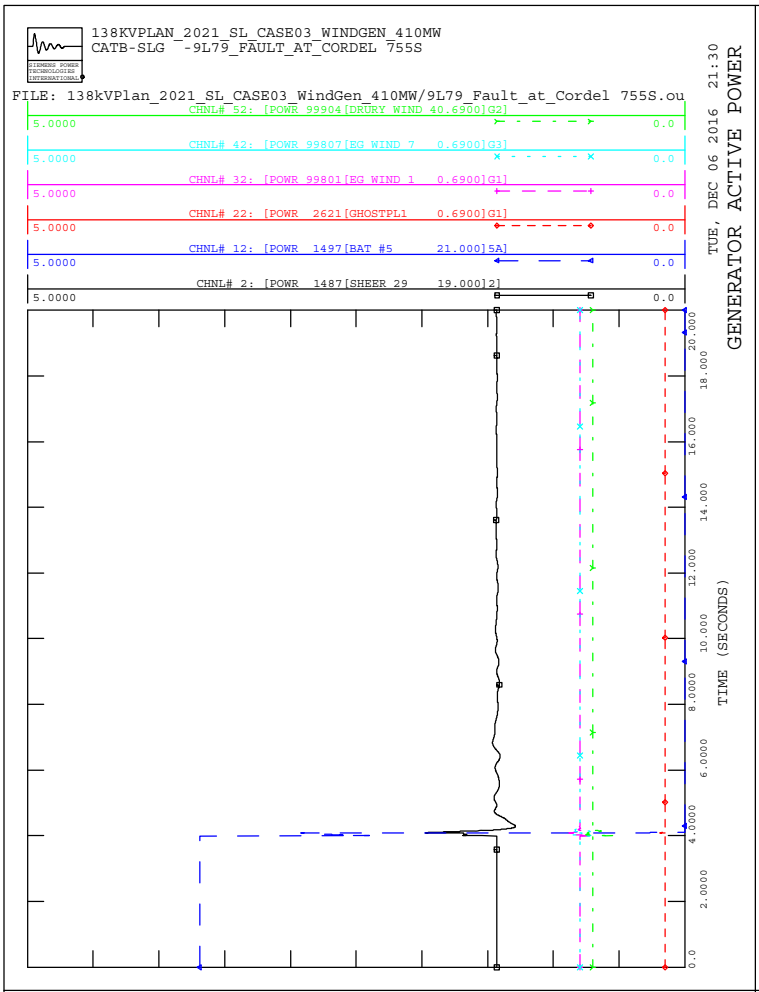
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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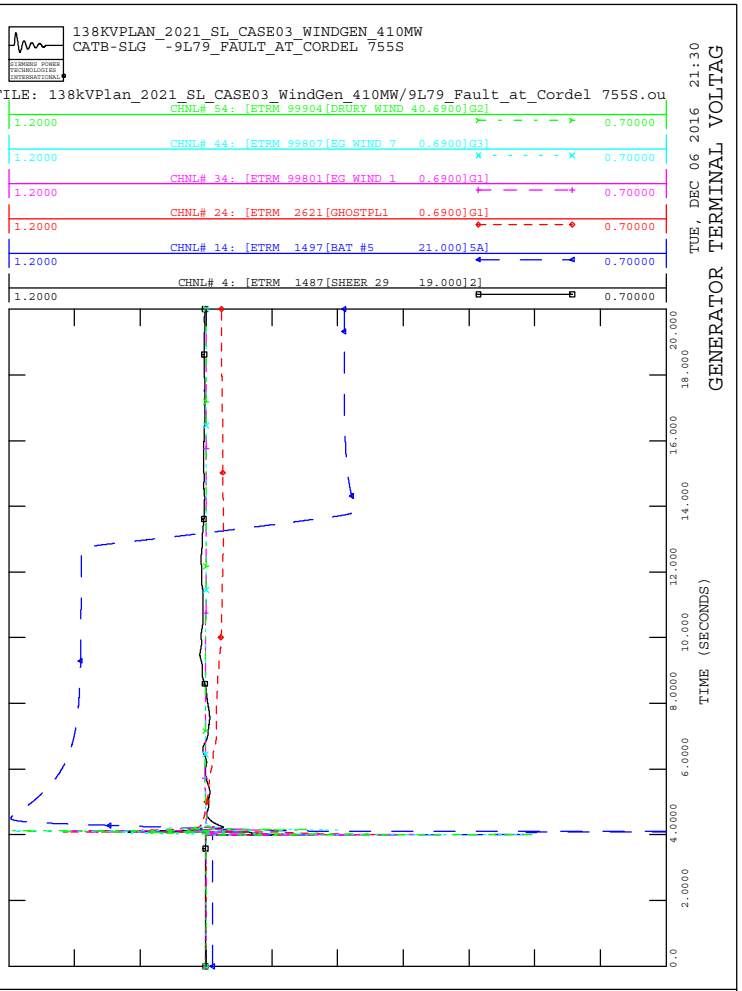
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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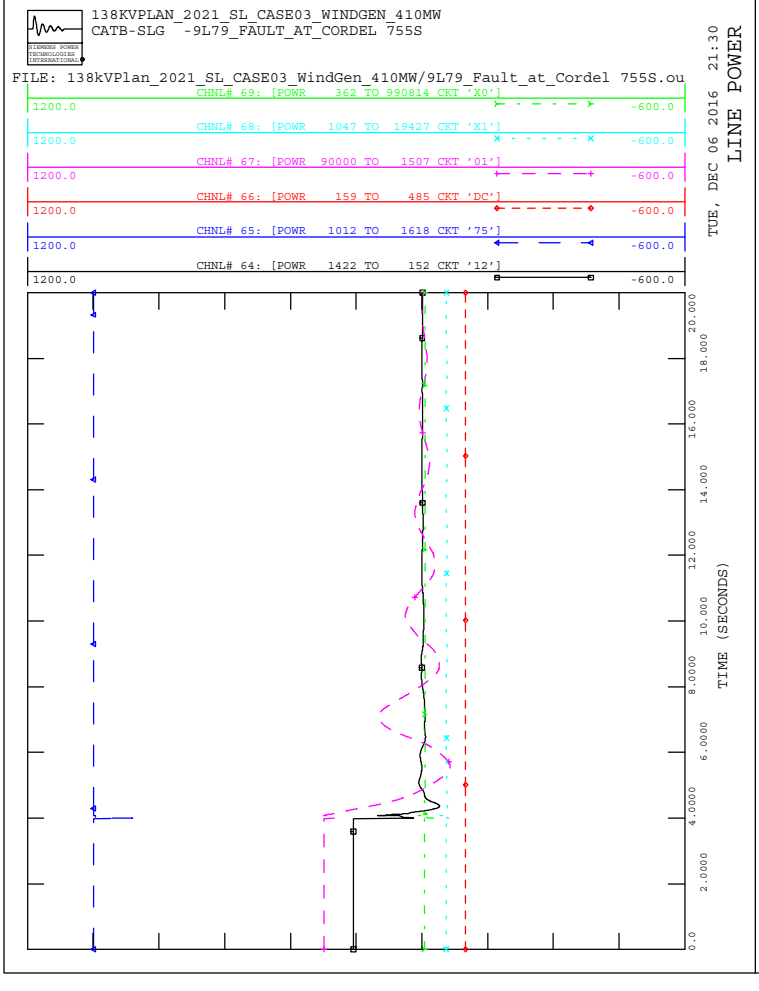
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
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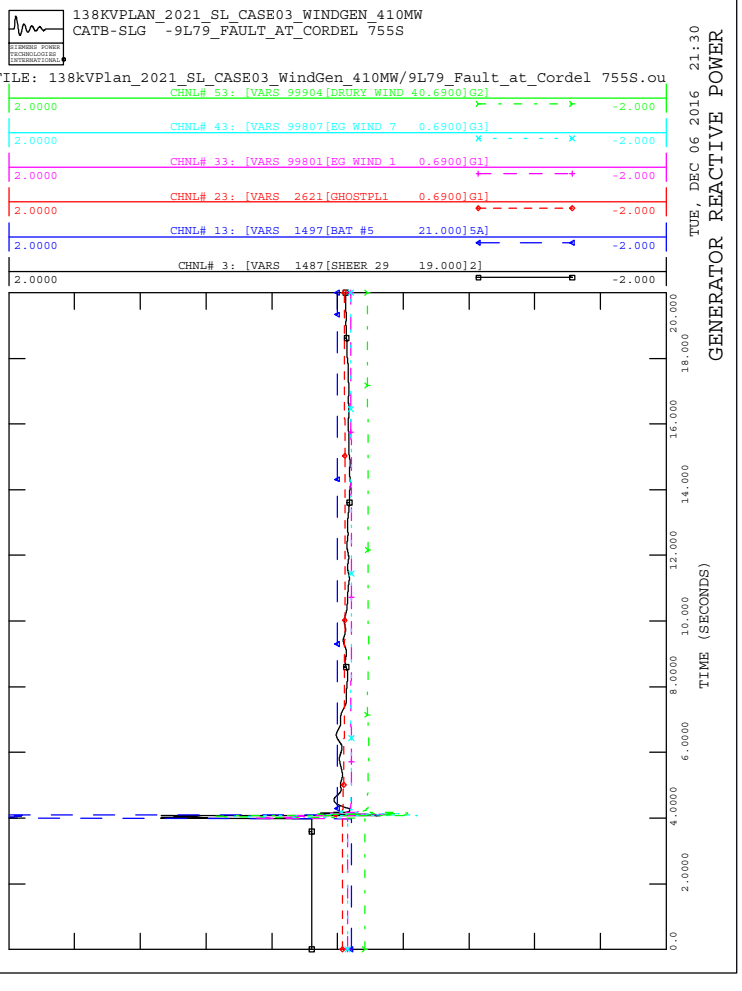
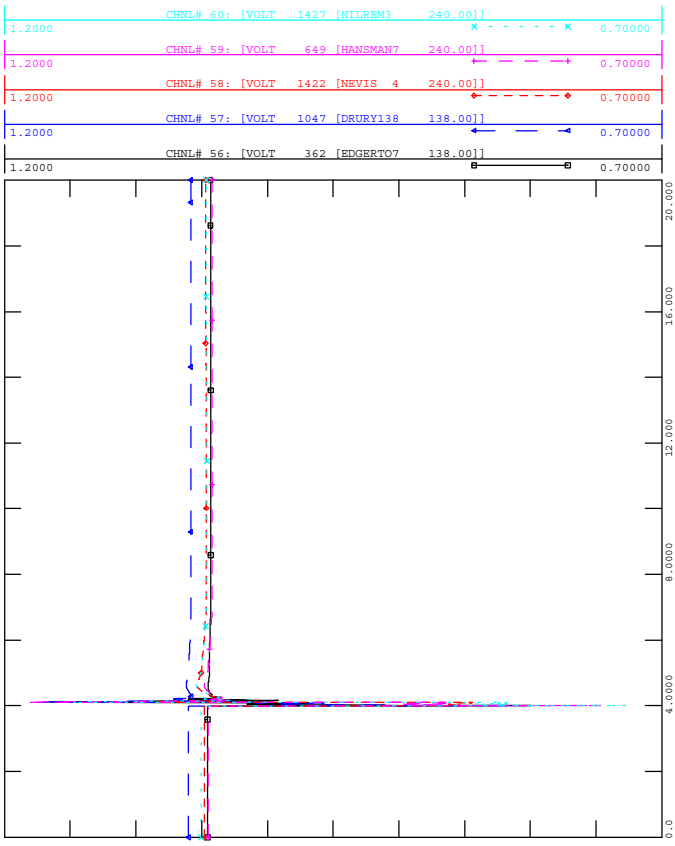

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7

TUE, DEC 06 2016 21:30

BUS VOLTAGE

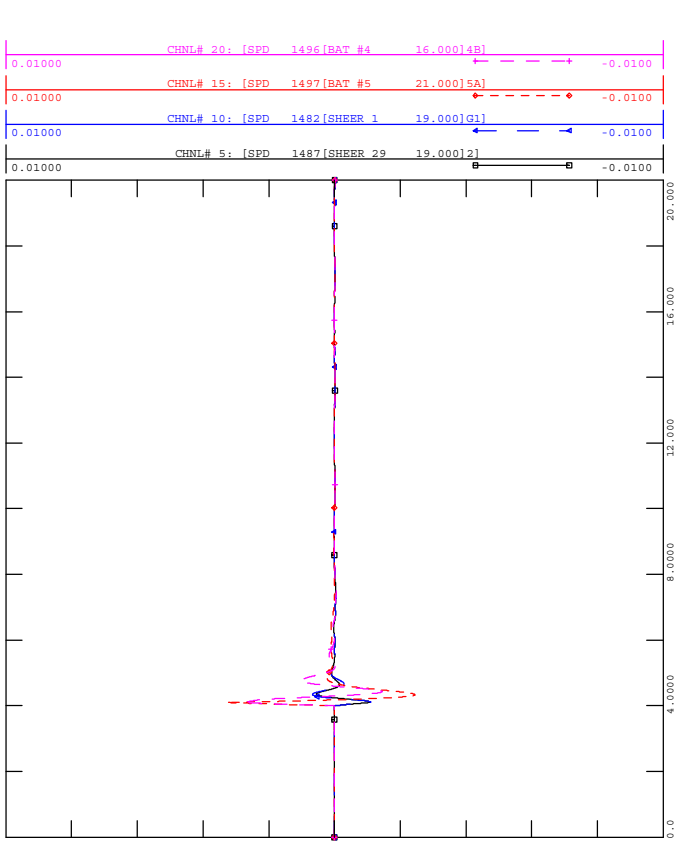


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7

TUE, DEC 06 2016 21:30

MACHINE SPEED

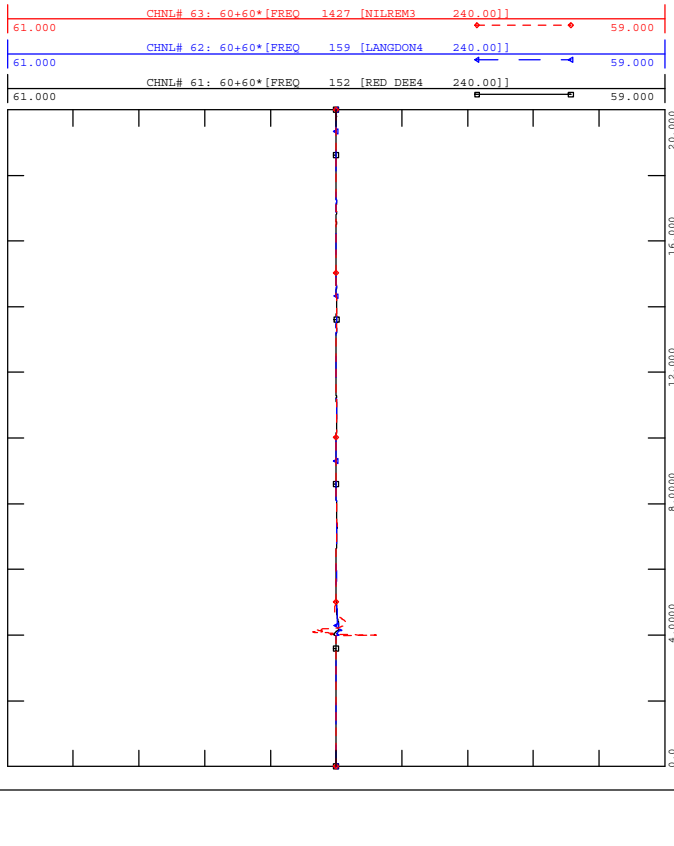


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7

TUE, DEC 06 2016 21:30

FREQUENCY

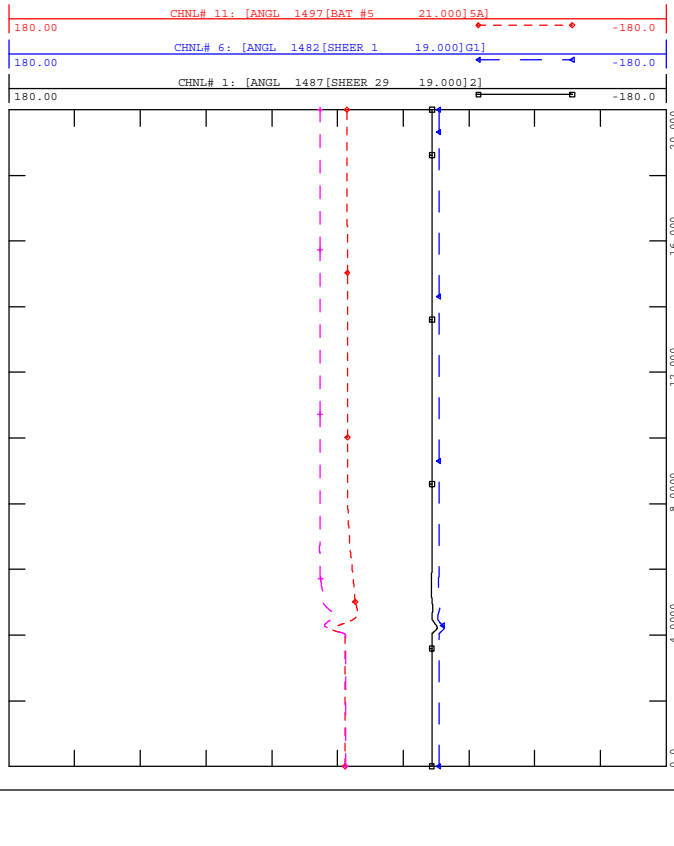


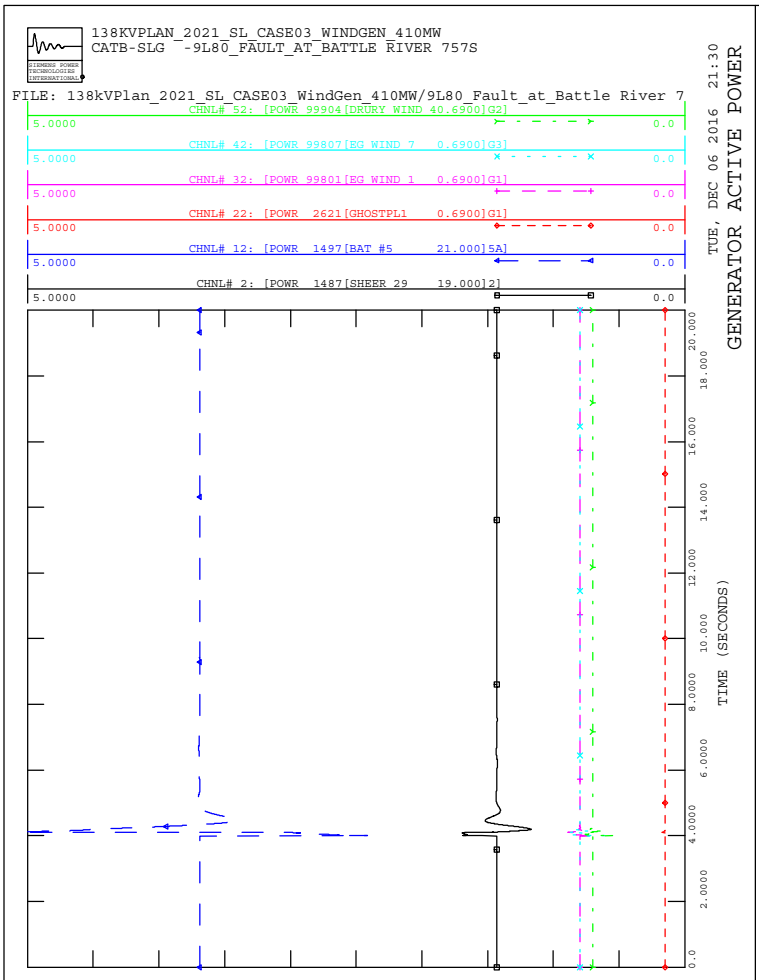
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

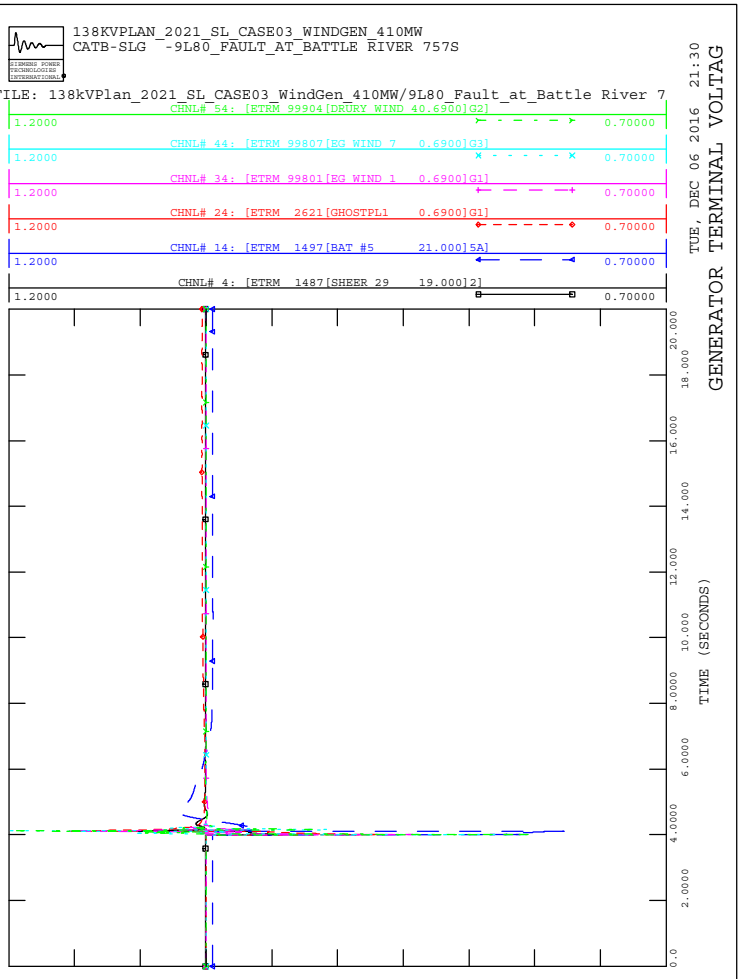
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7

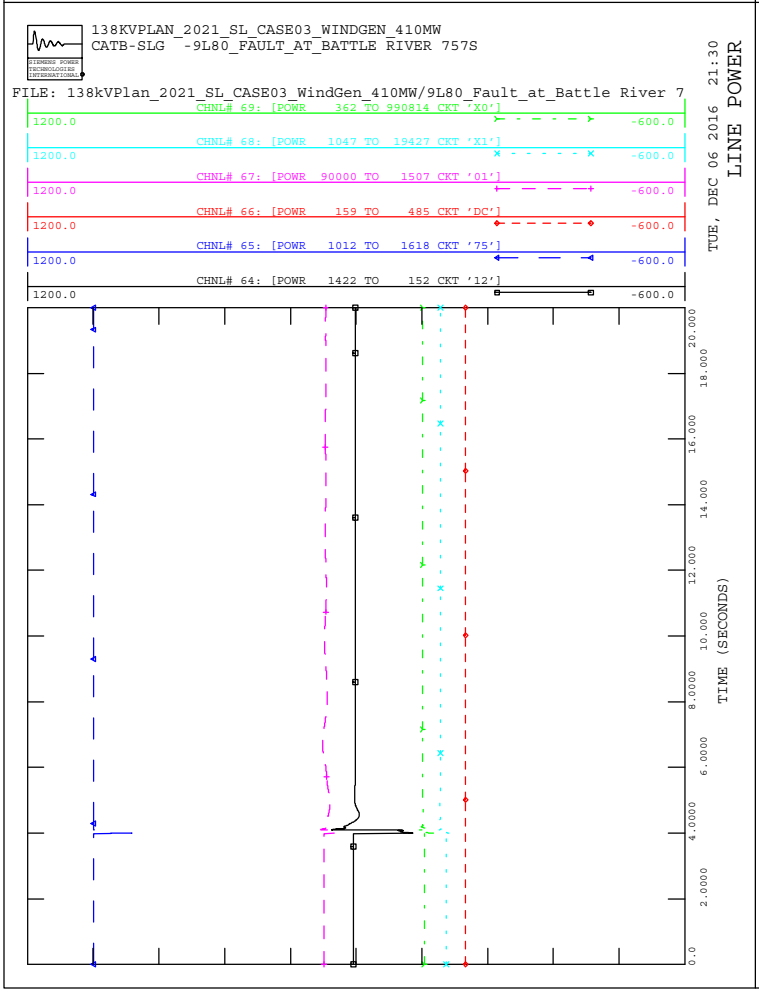
TUE, DEC 06 2016 21:30

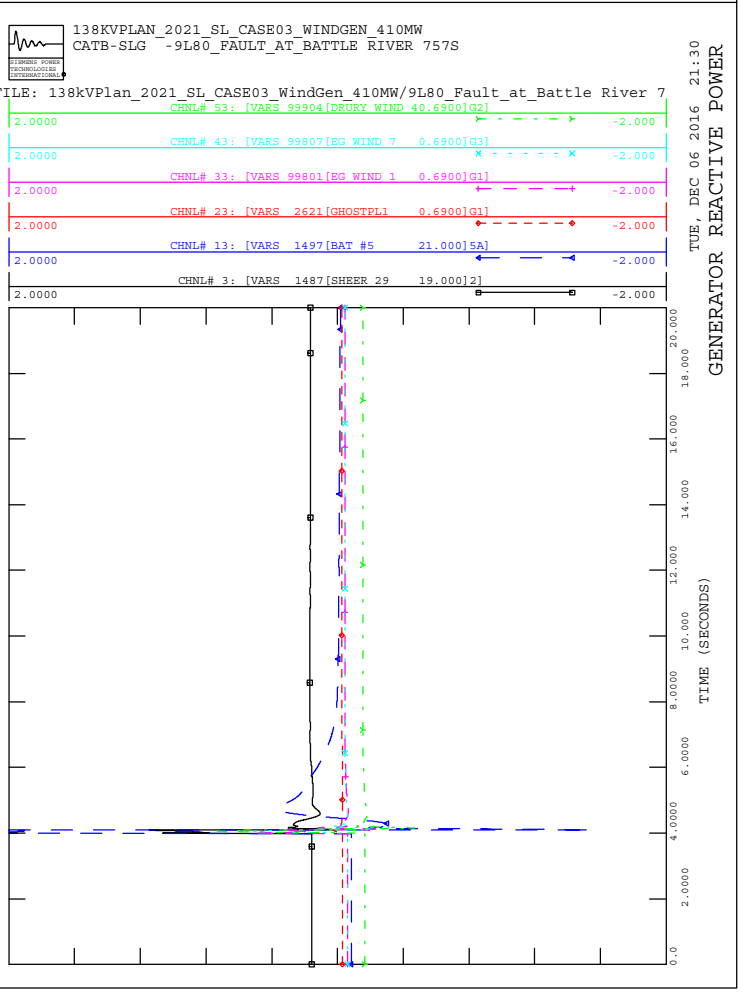
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)

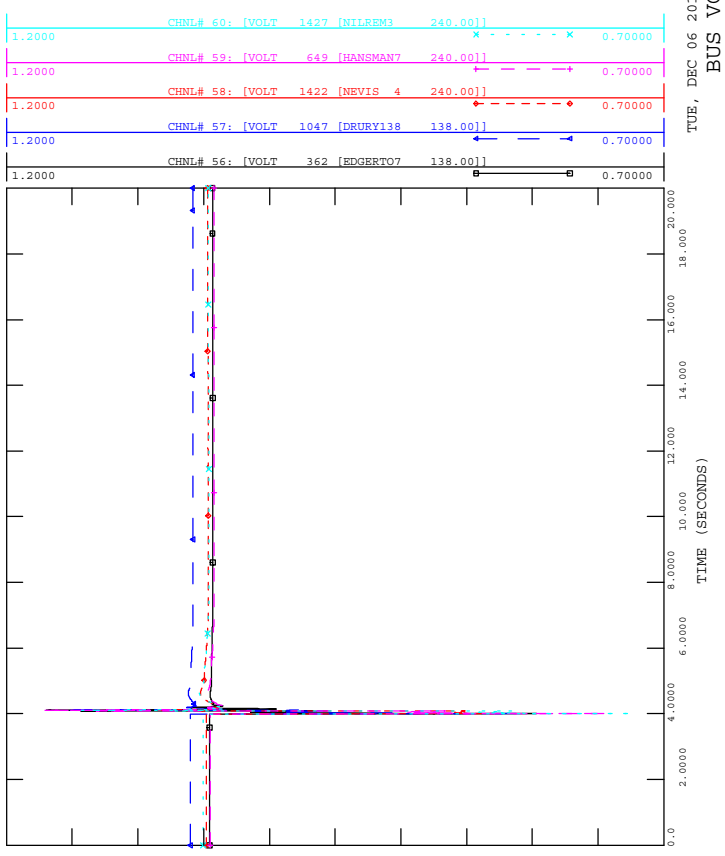

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

BUS VOLTAGE

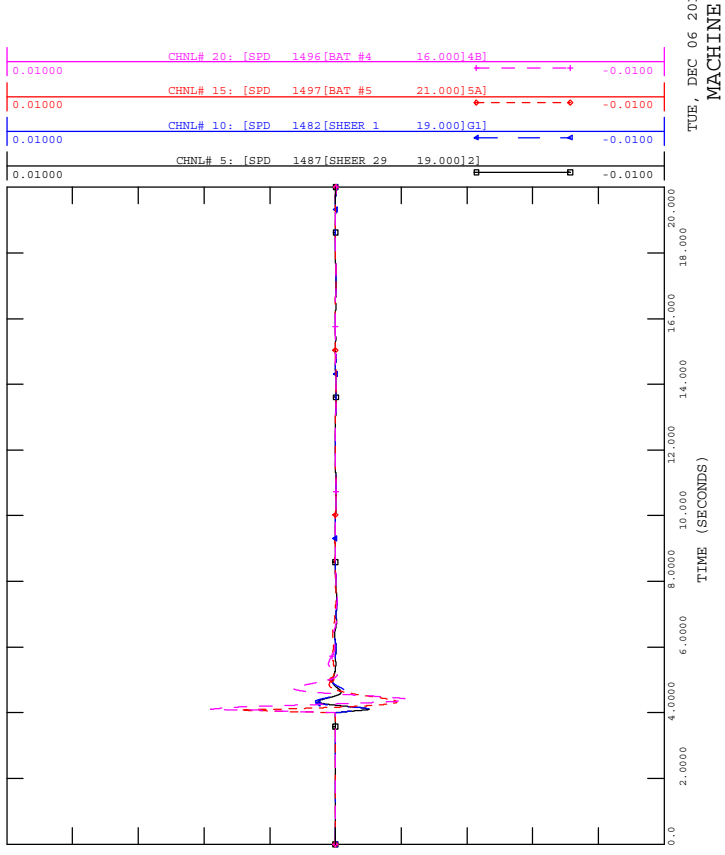


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

MACHINE SPEED

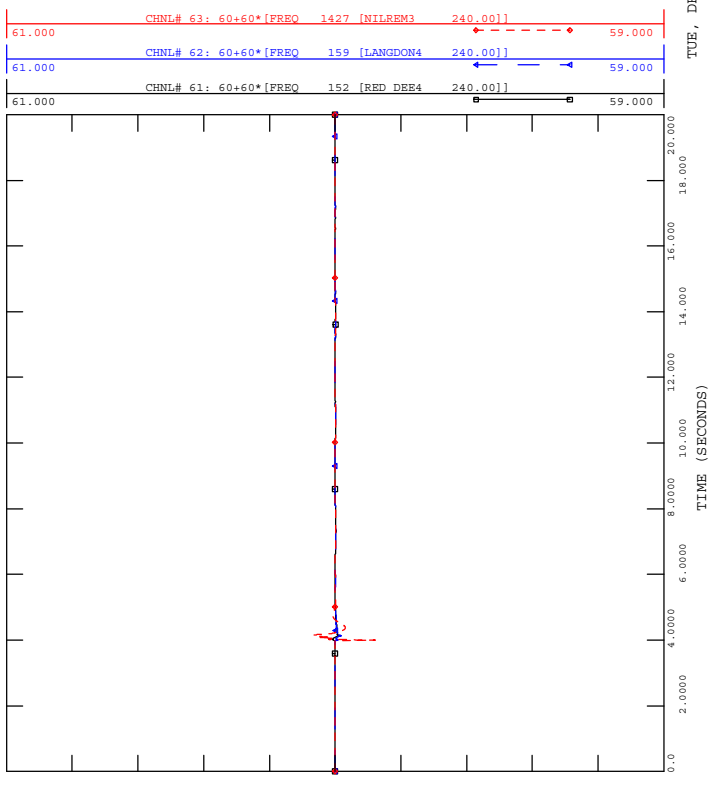


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:30

FREQUENCY

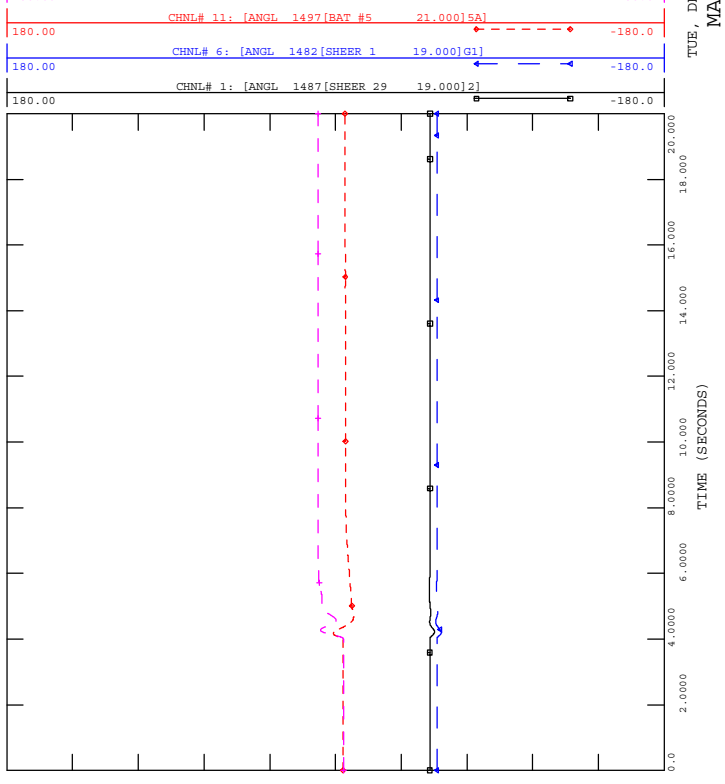


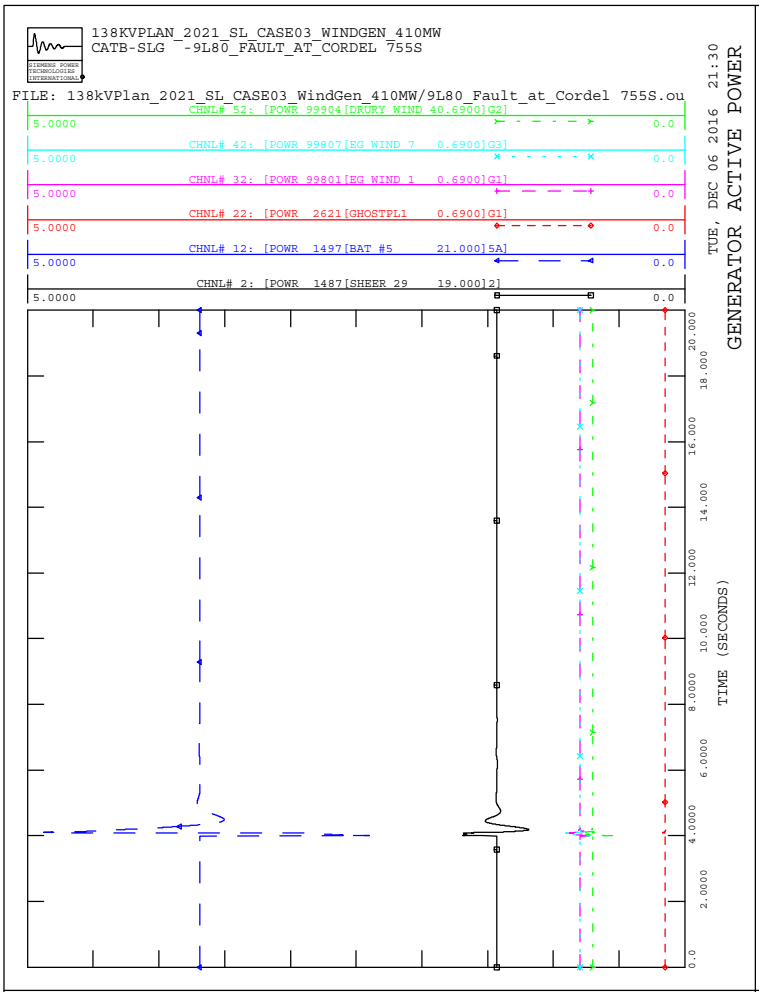
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

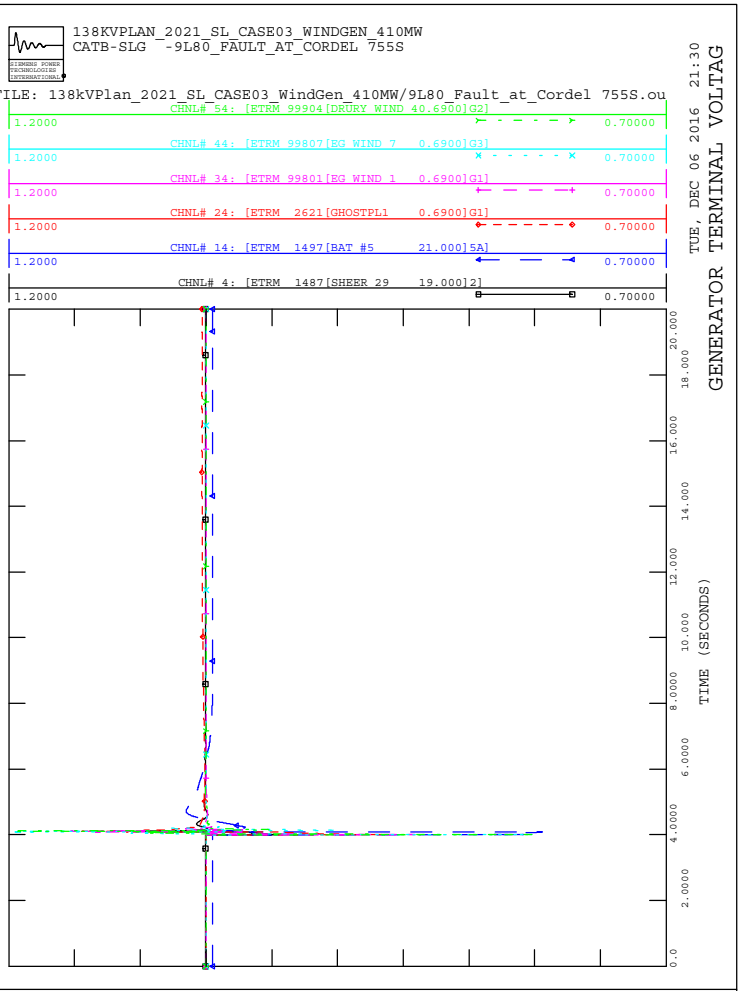
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

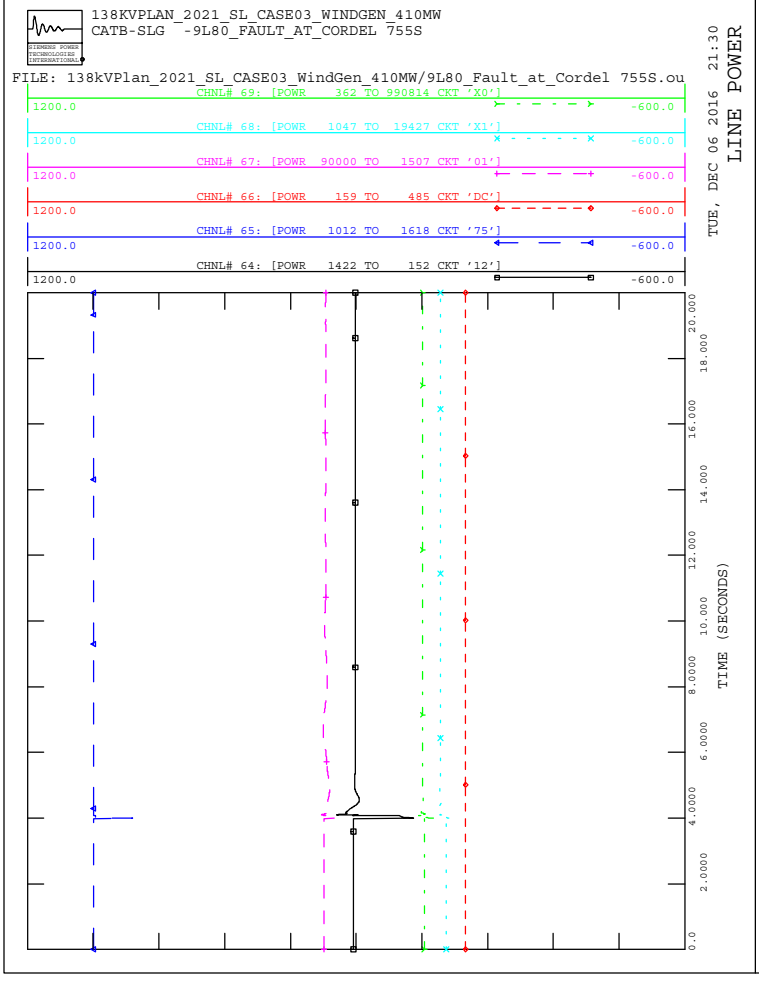
TUE, DEC 06 2016 21:30

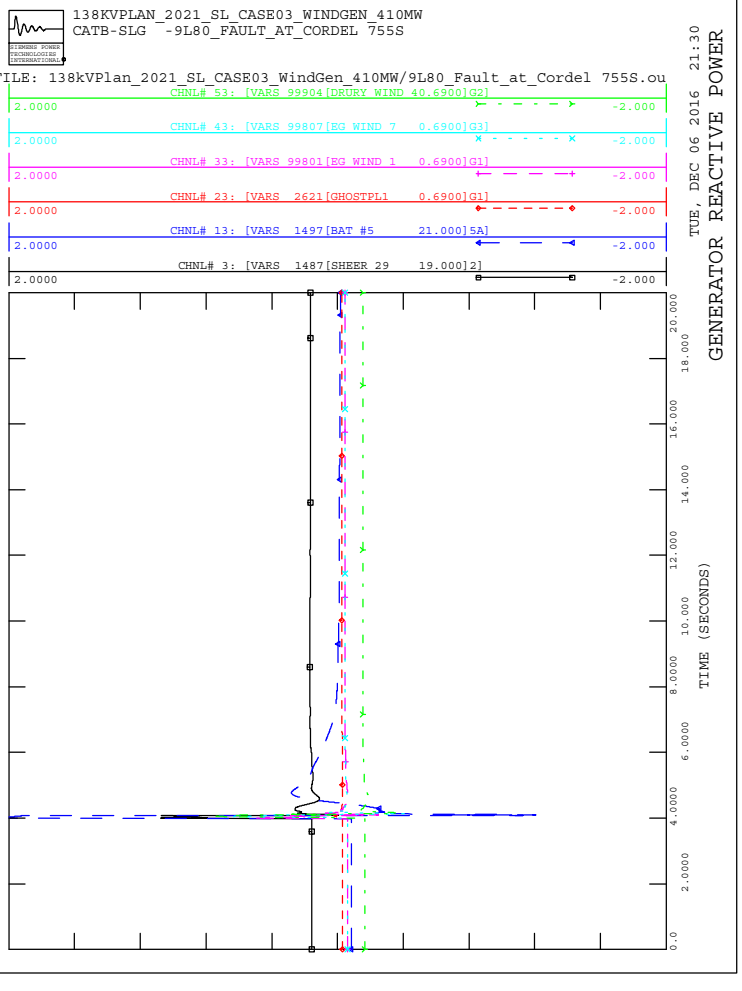
MACHINE ANGLE

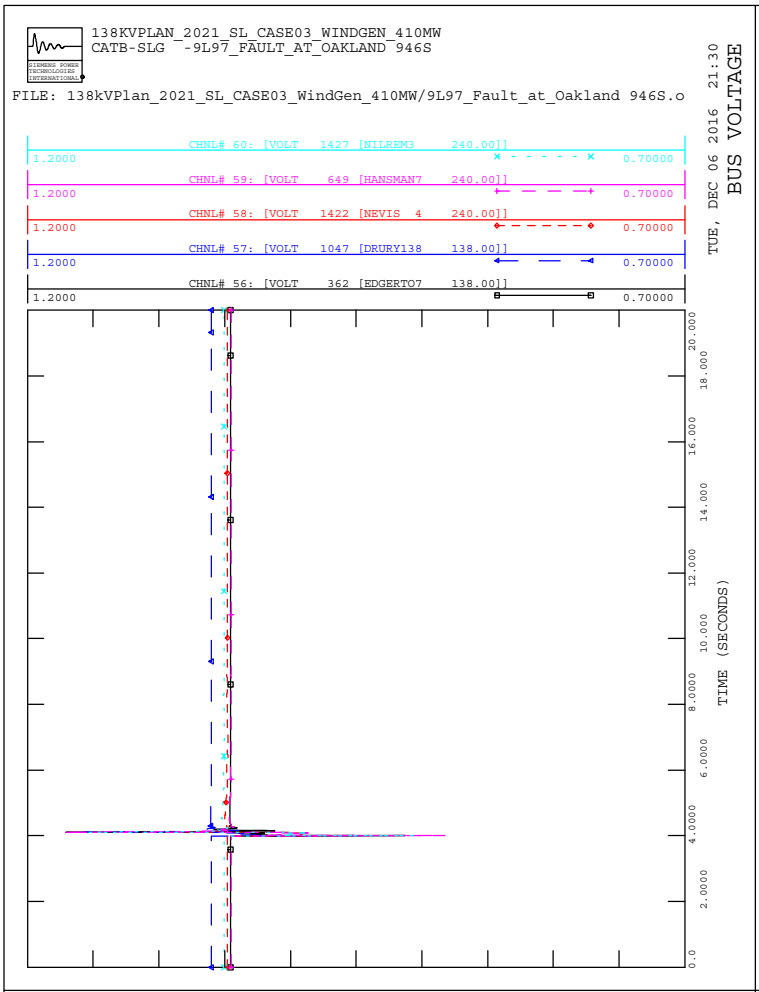


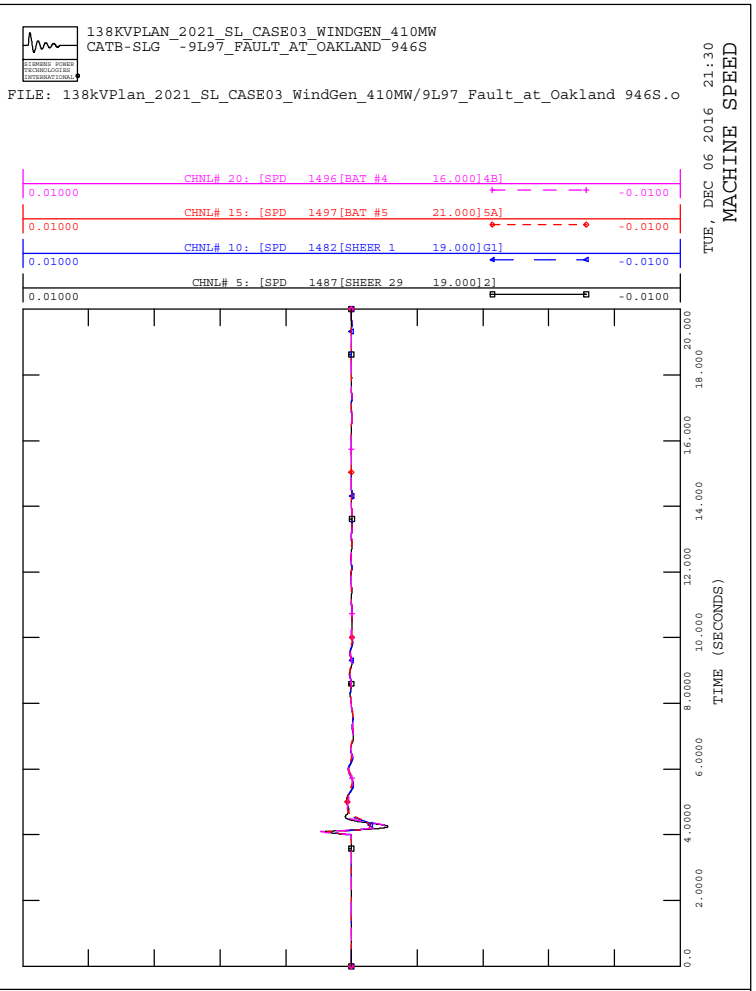

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

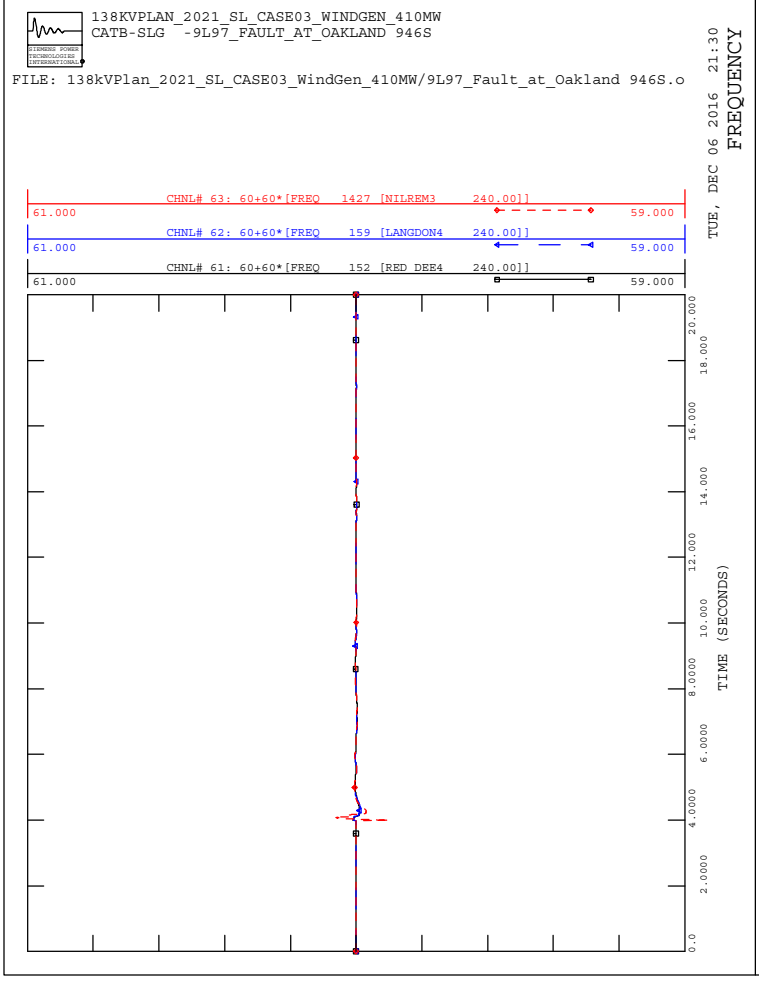

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

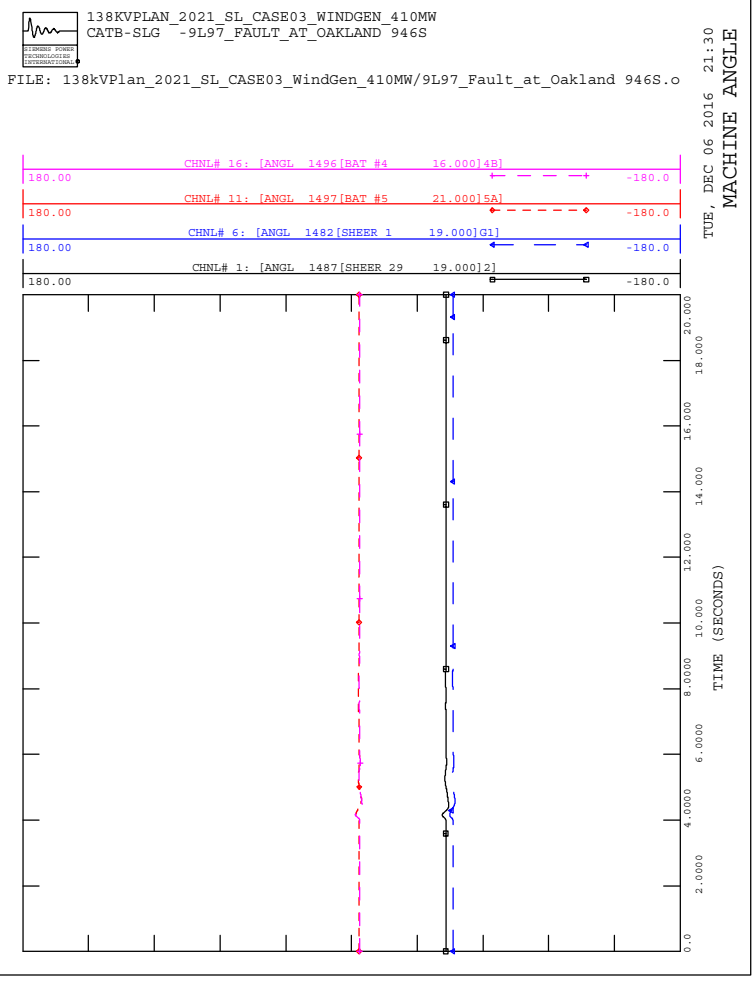

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

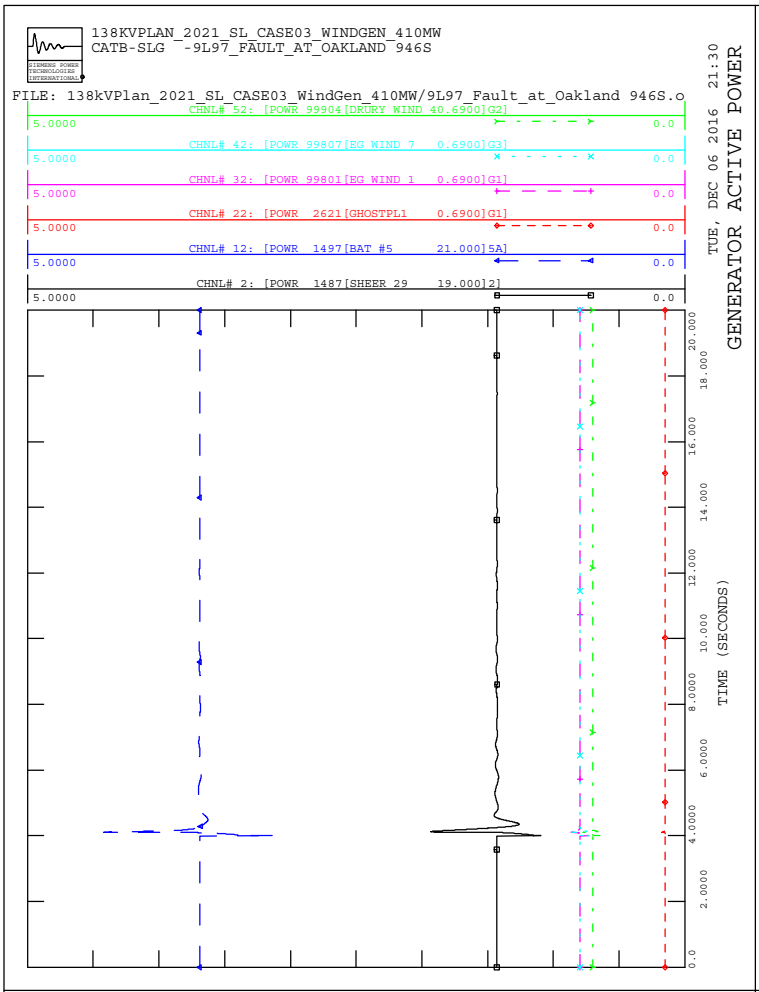

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

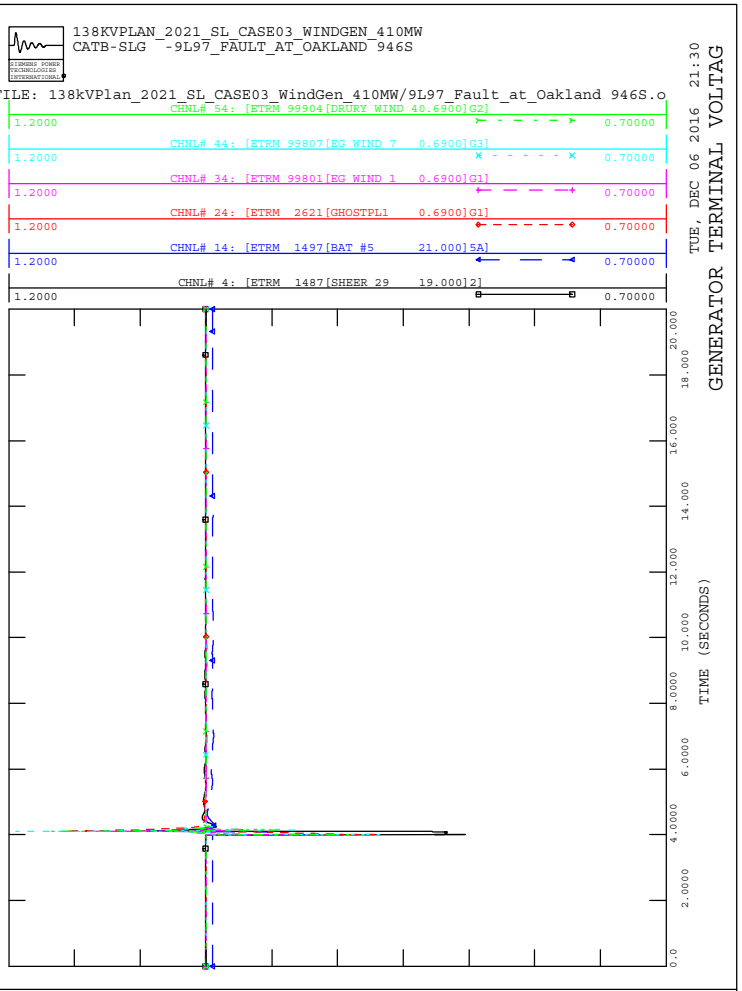

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:30
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:30
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:30
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:30
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:30
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:30
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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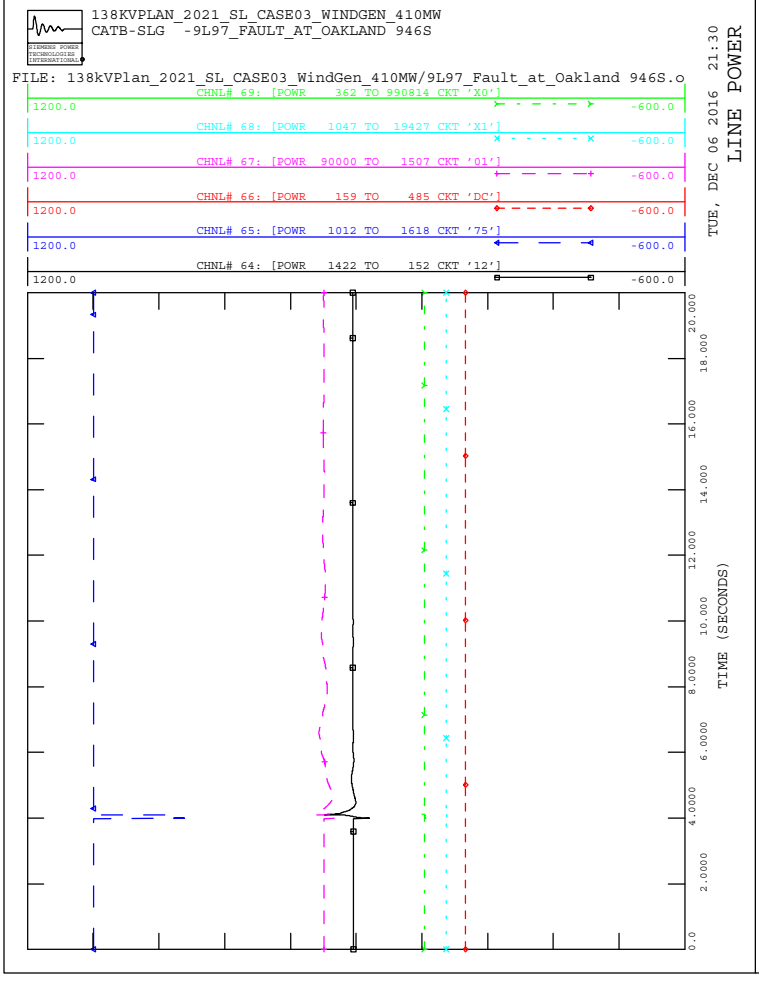
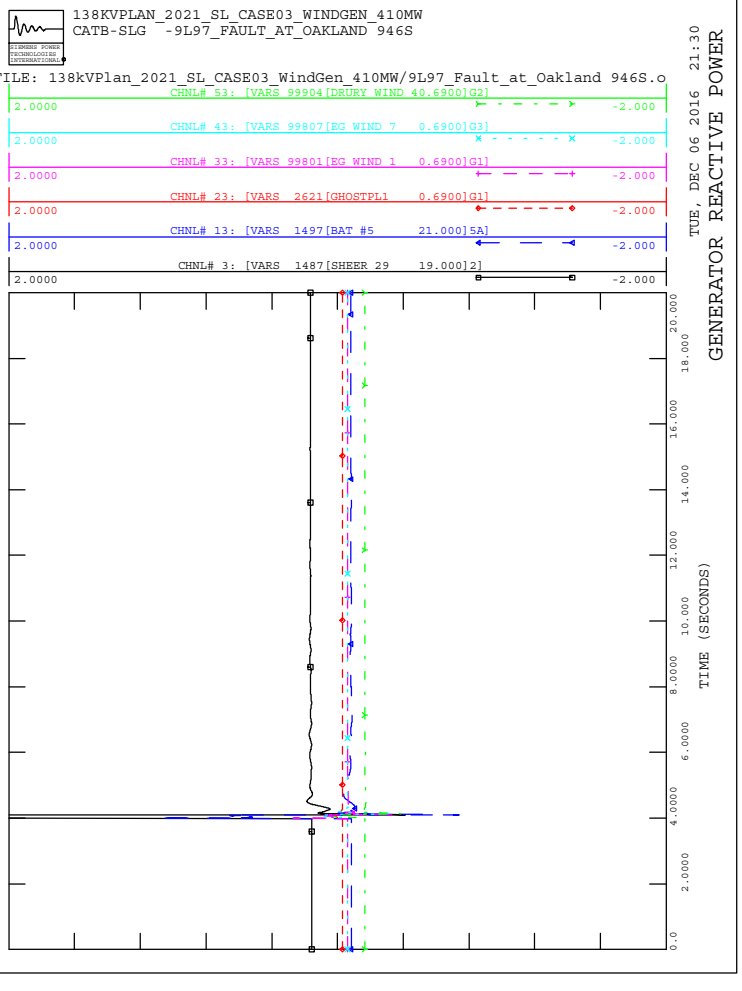
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:30
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

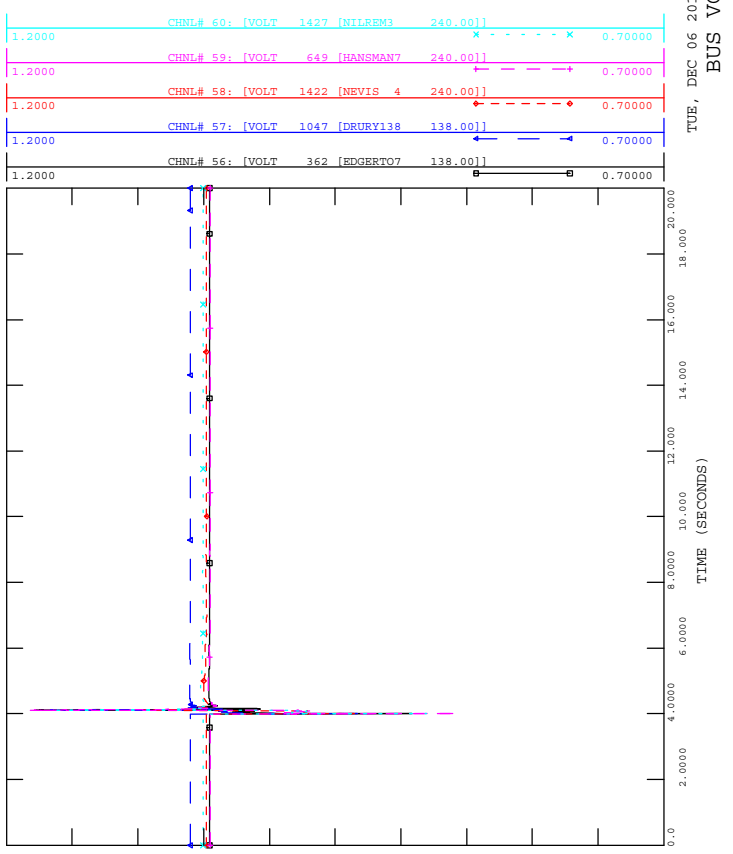

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:30
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:31

BUS VOLTAGE

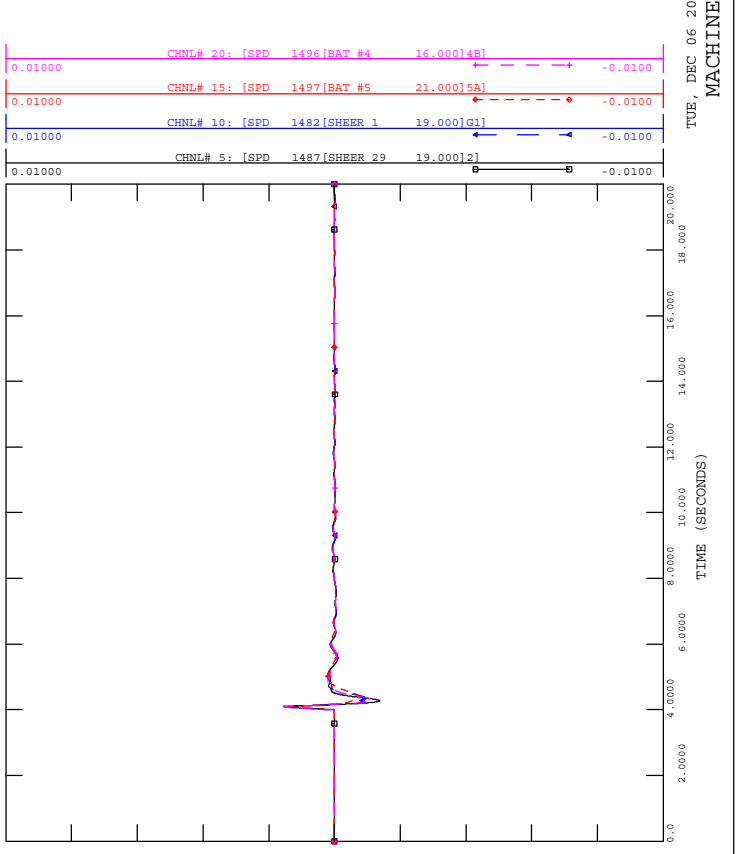


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:31

MACHINE SPEED

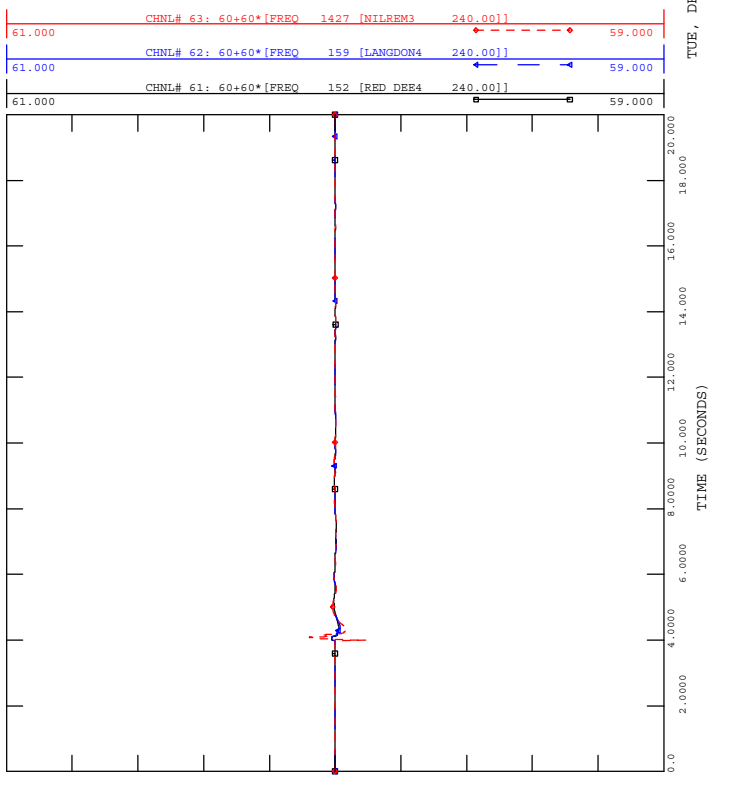


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:31

FREQUENCY

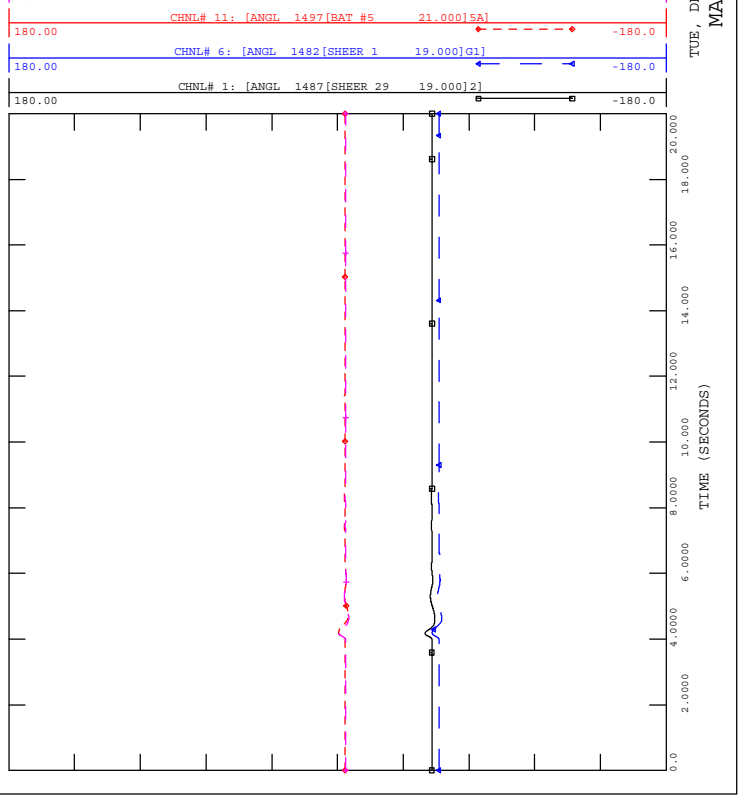


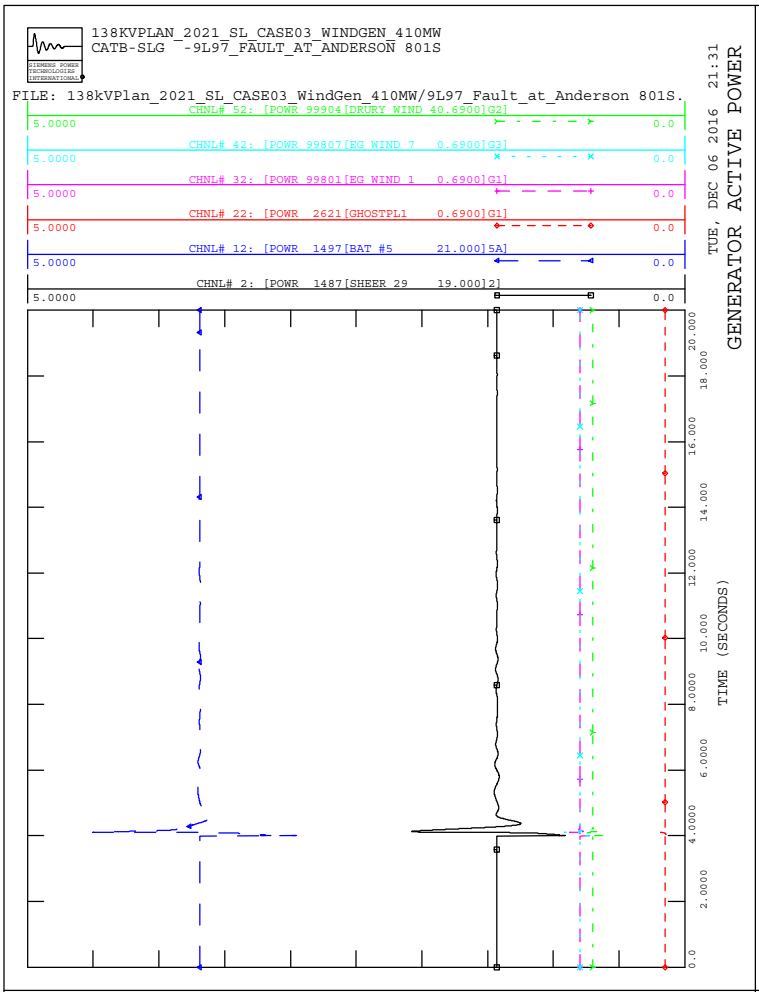
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

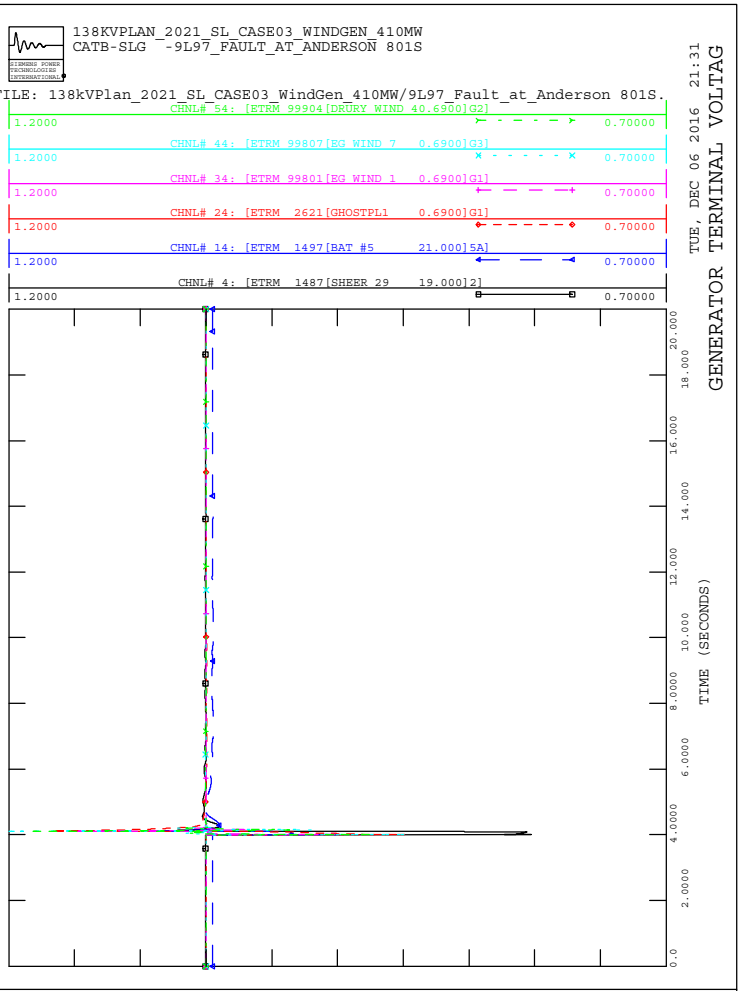
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.

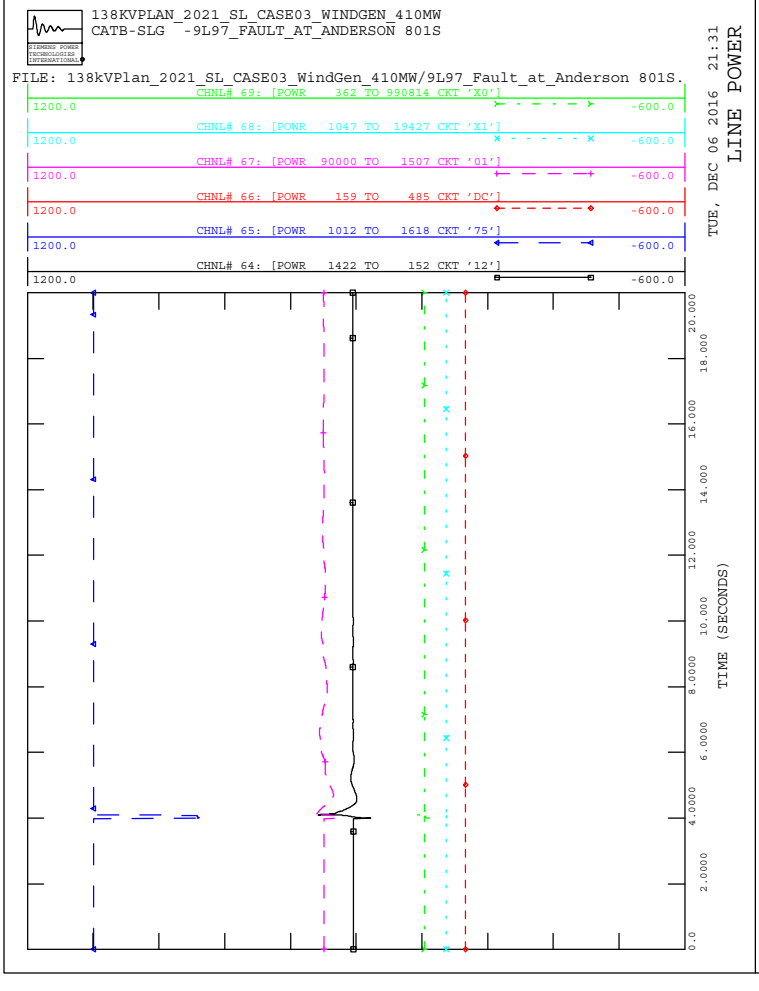
TUE, DEC 06 2016 21:31

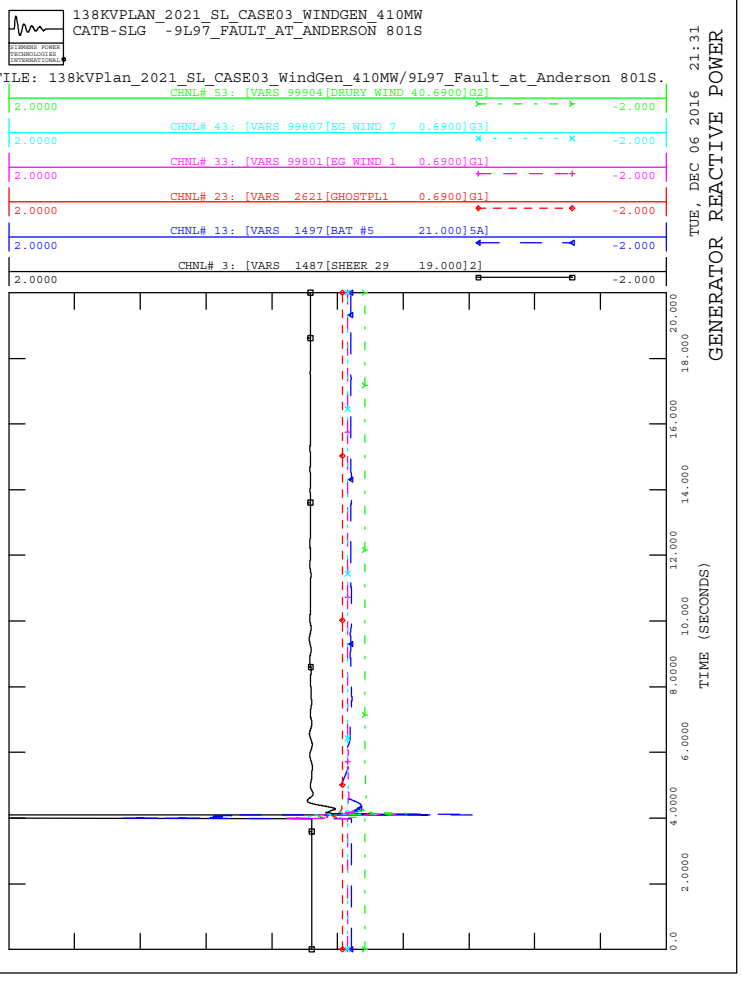
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:31
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:31
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:31
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

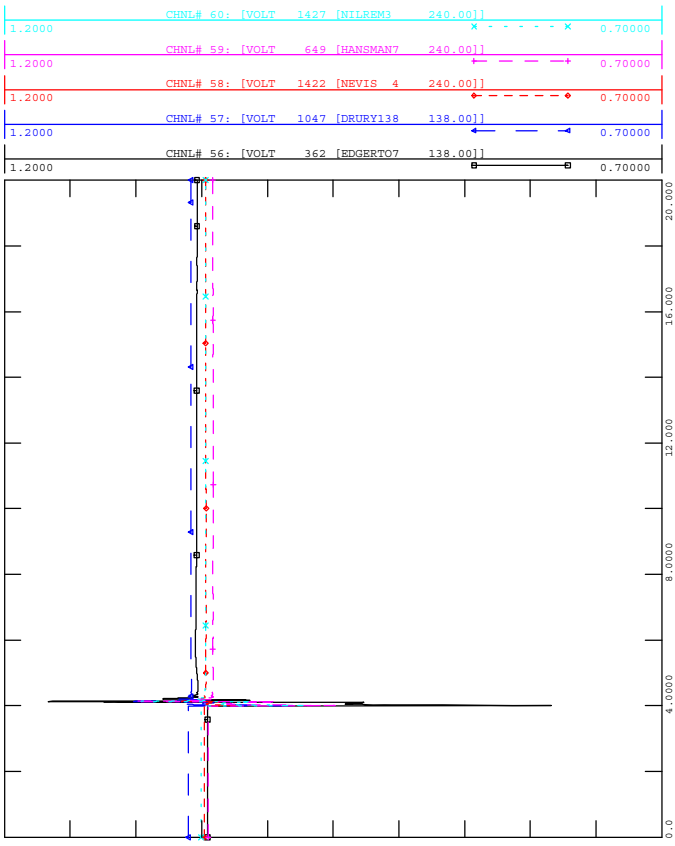

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_Fault_at_Anderson 801S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:31
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:31

BUS VOLTAGE

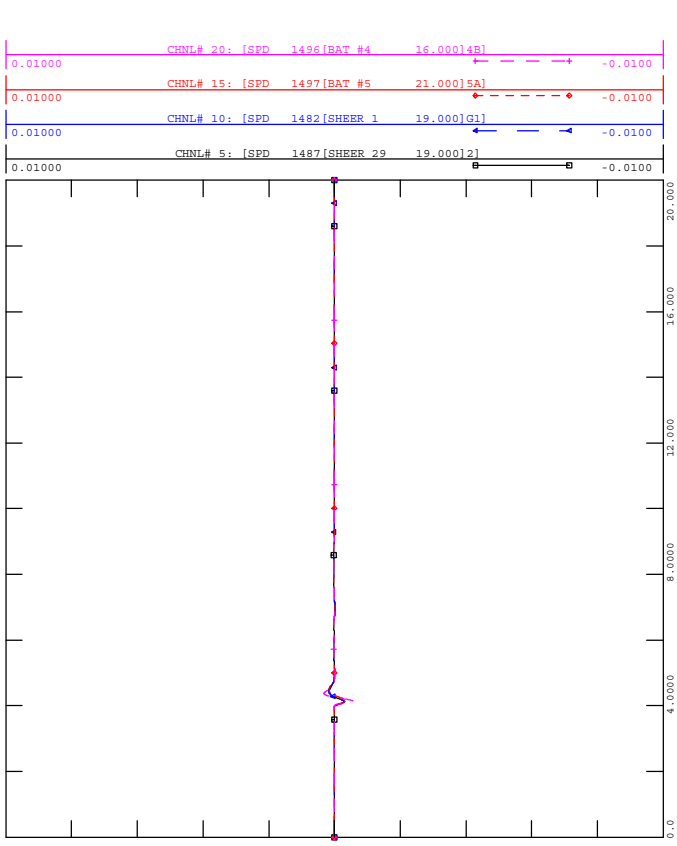


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:31

MACHINE SPEED

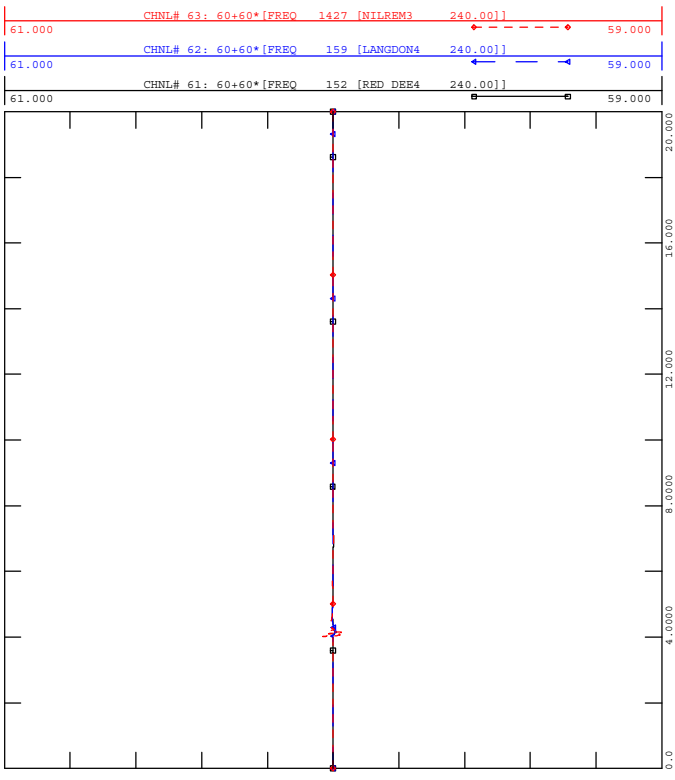


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:31

FREQUENCY

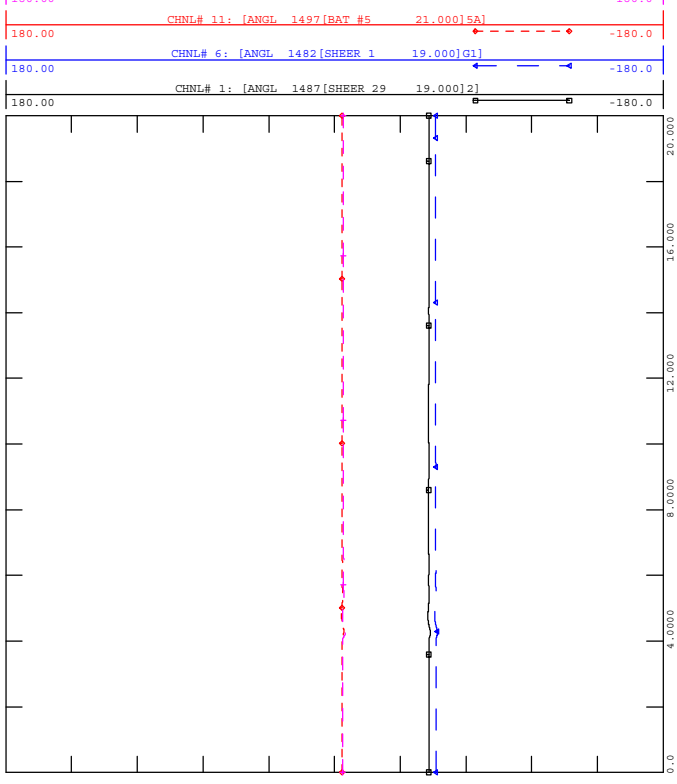


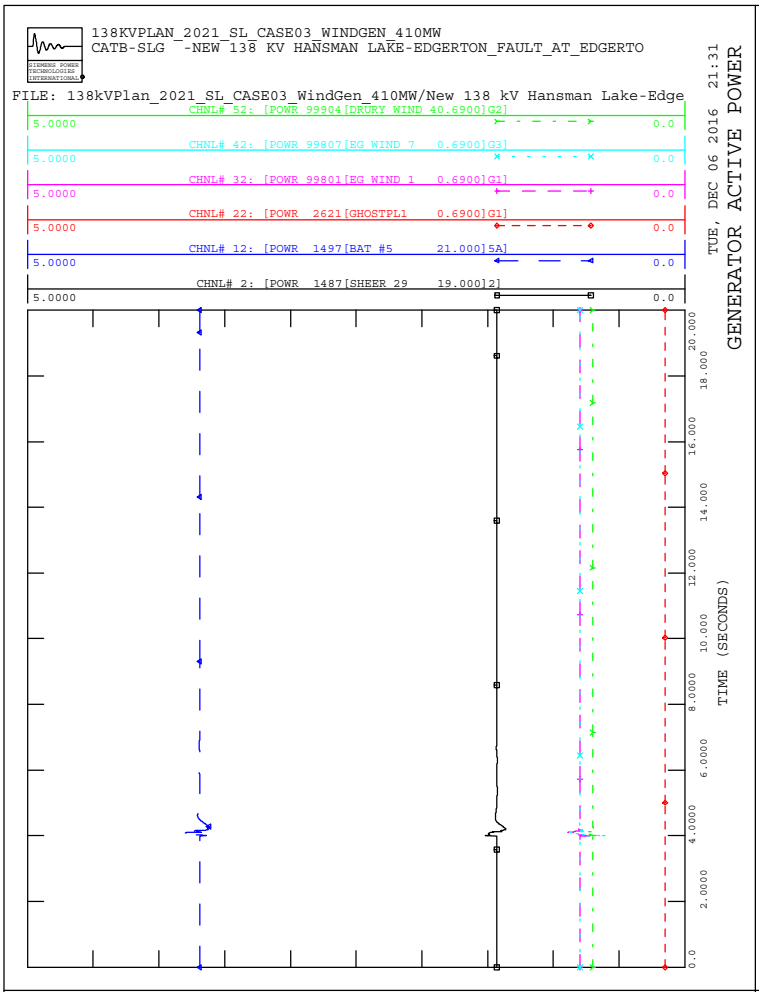
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

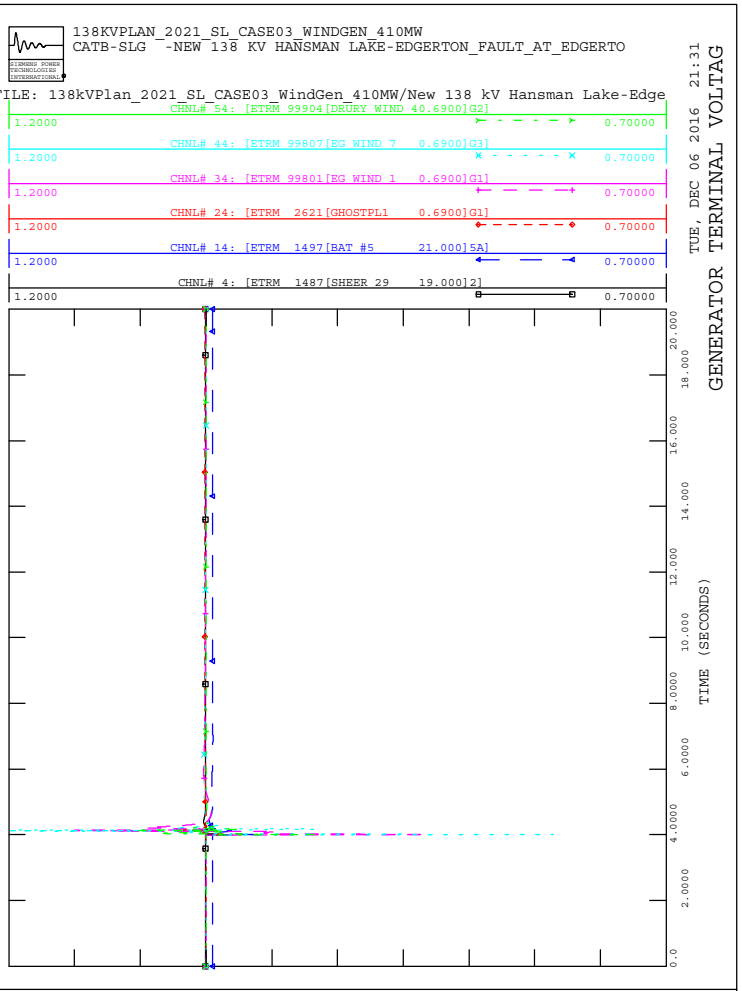
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

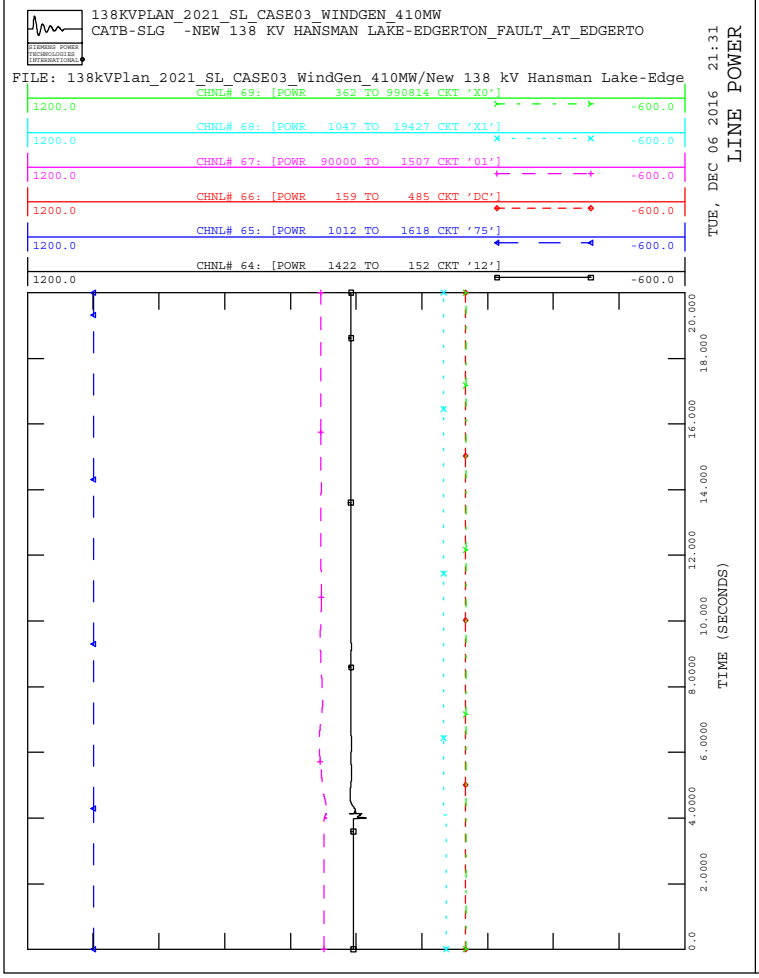
TUE, DEC 06 2016 21:31

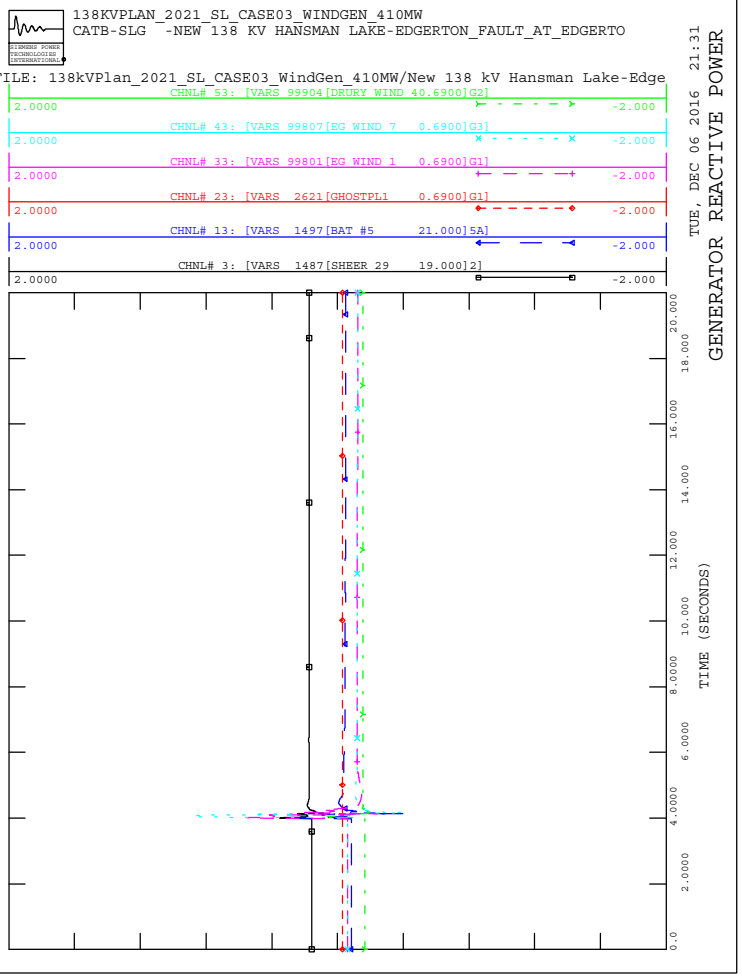
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:31
GENERATOR ACTIVE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:31
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:31
LINE POWER

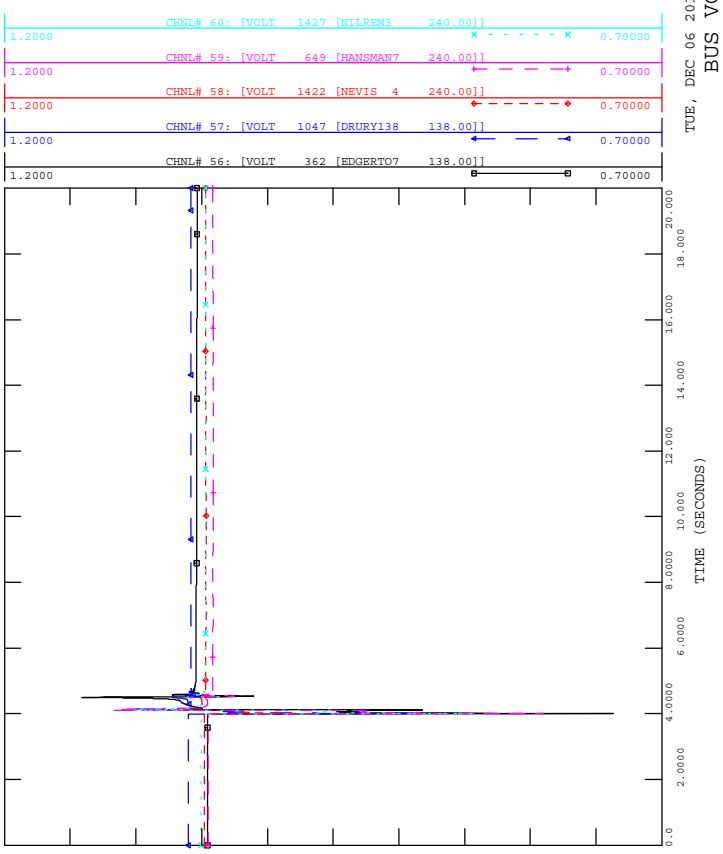

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:31
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:31

BUS VOLTAGE

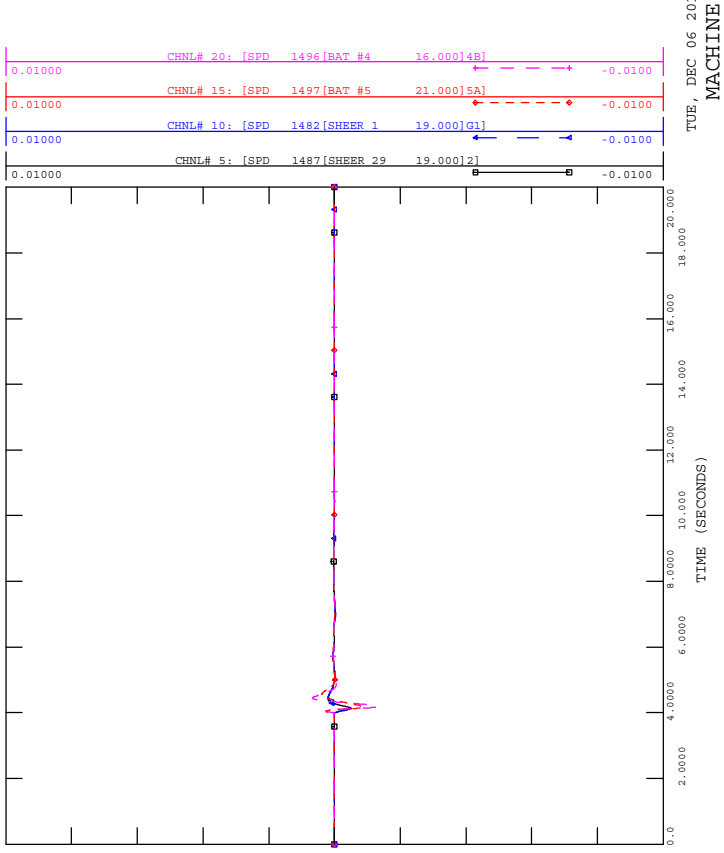


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:31

MACHINE SPEED

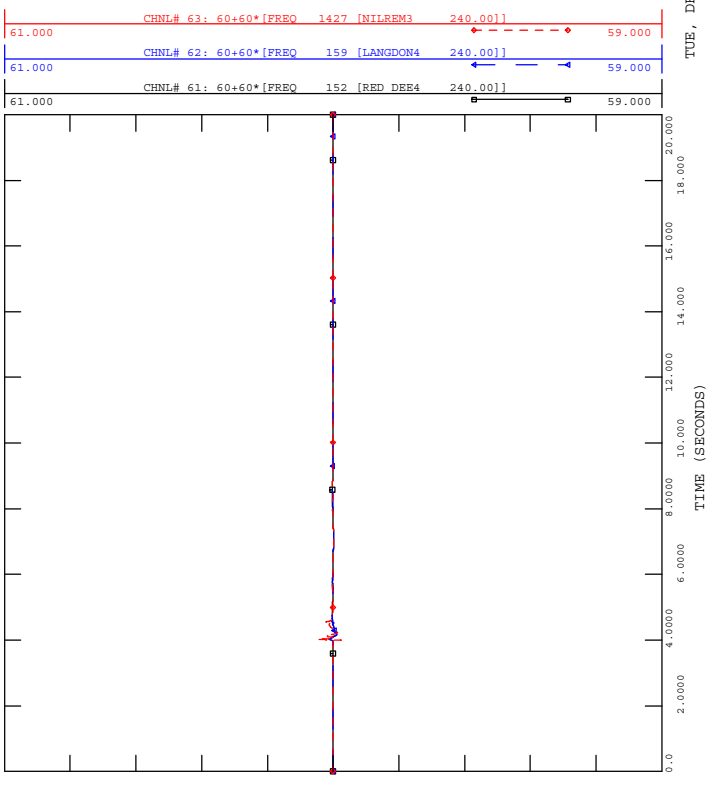


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:31

FREQUENCY

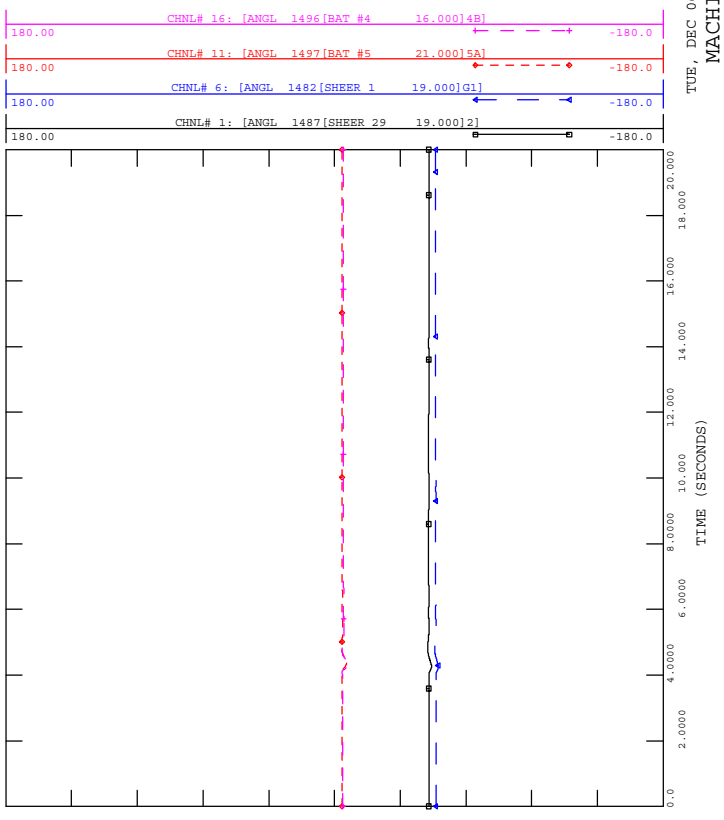


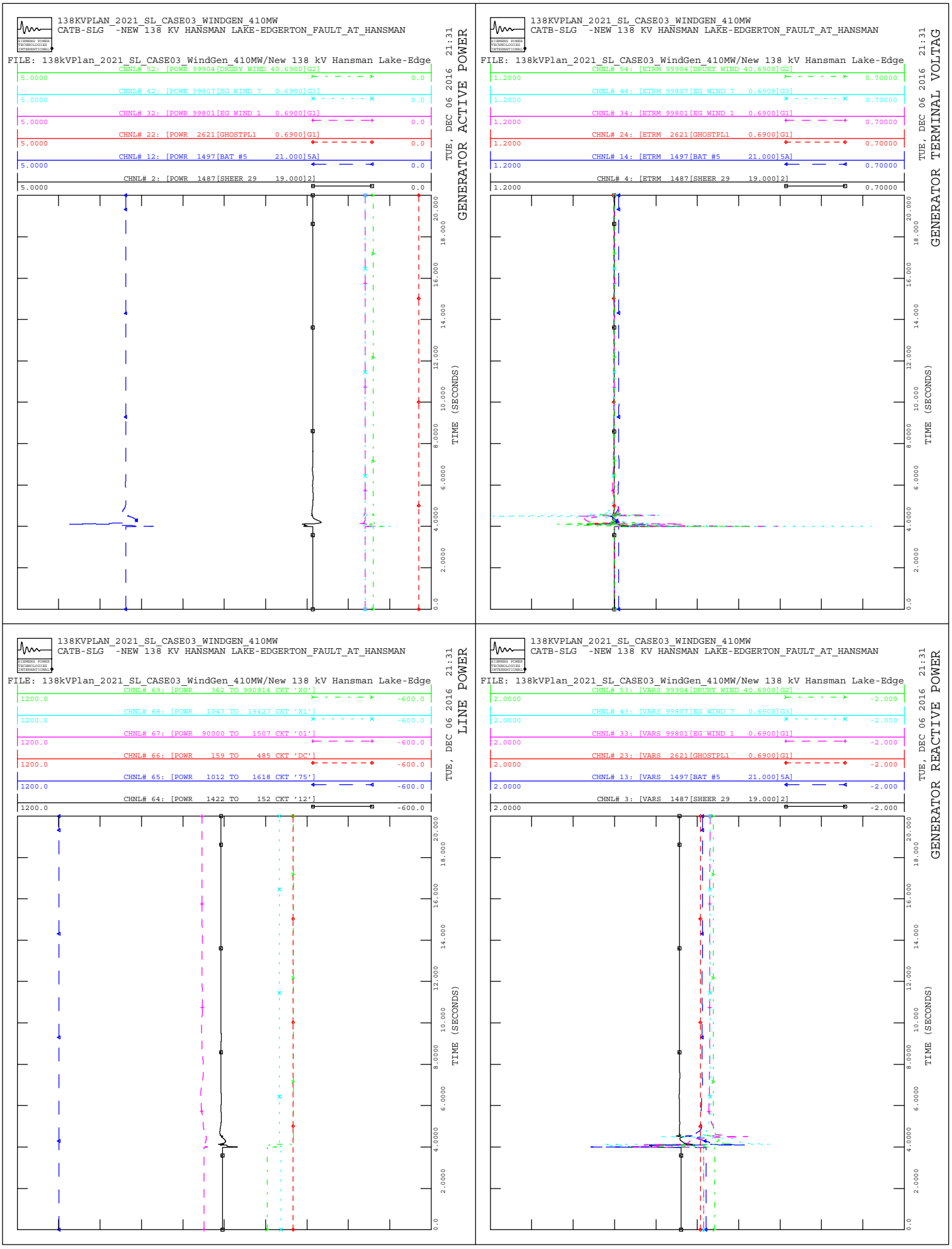
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:31

MACHINE ANGLE



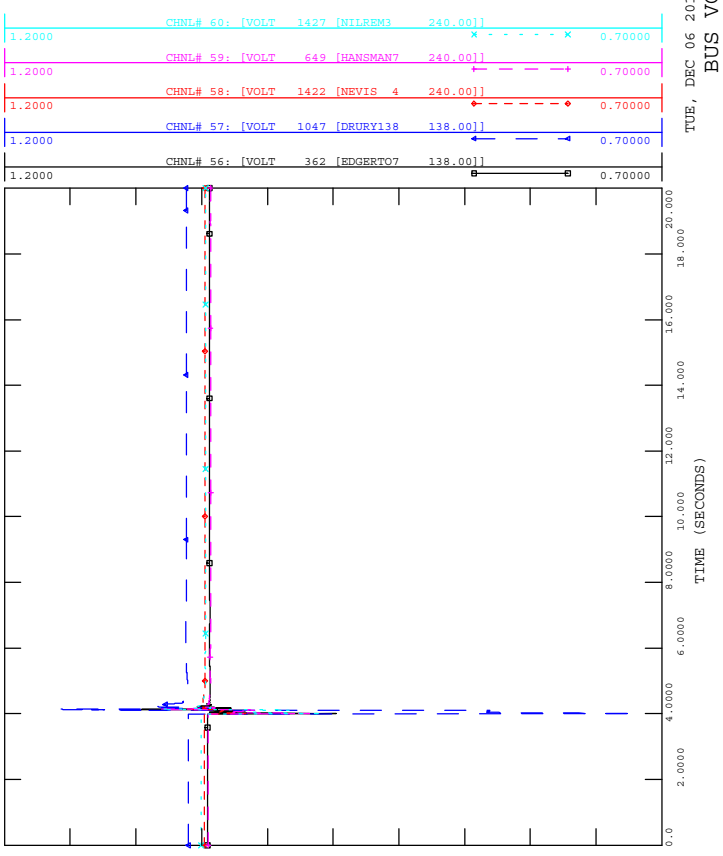

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:31
GENERATOR ACTIVE POWER
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:31
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:31
LINE POWER
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:31
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:31

BUS VOLTAGE

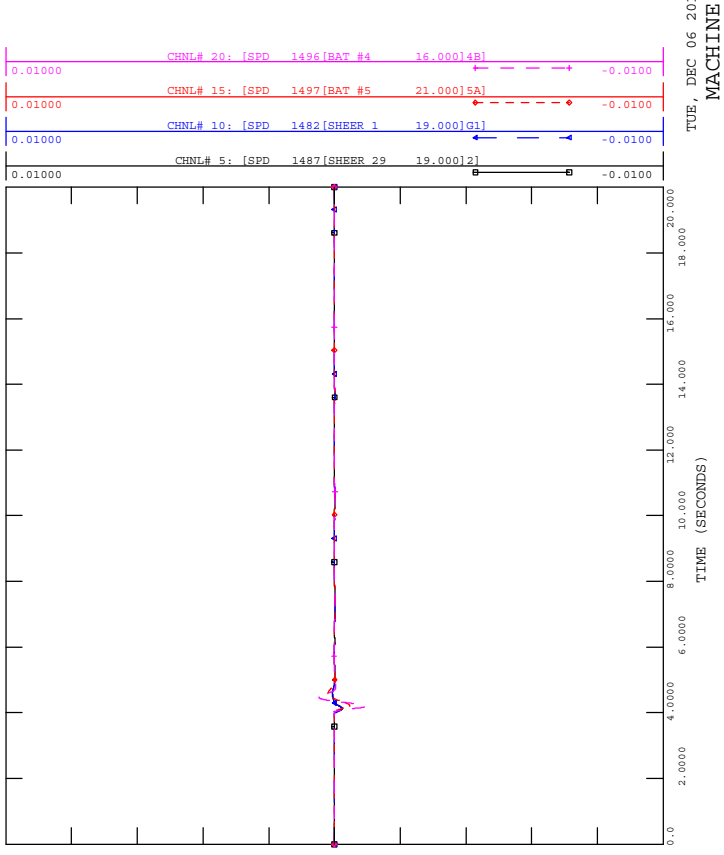


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:31

MACHINE SPEED

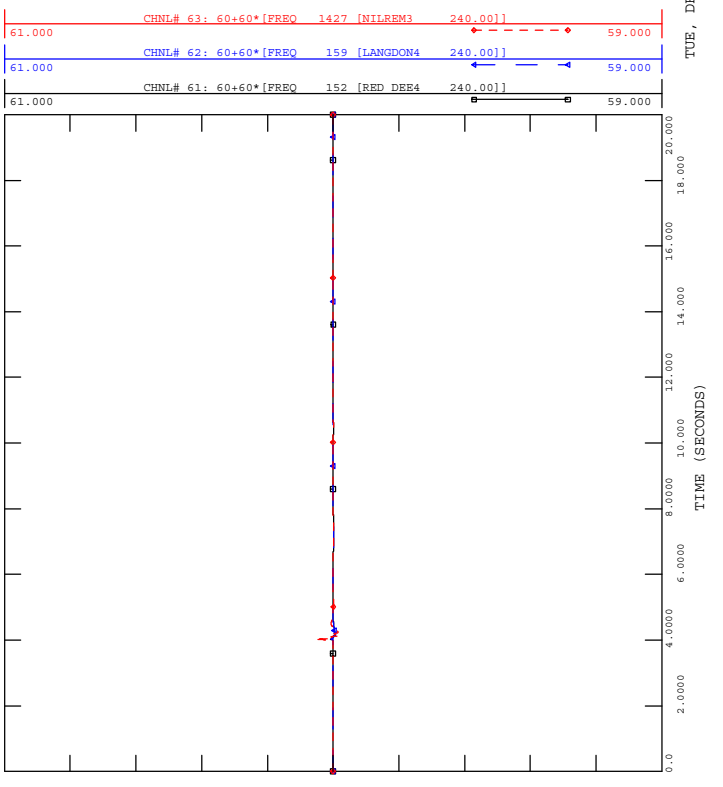


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:31

FREQUENCY

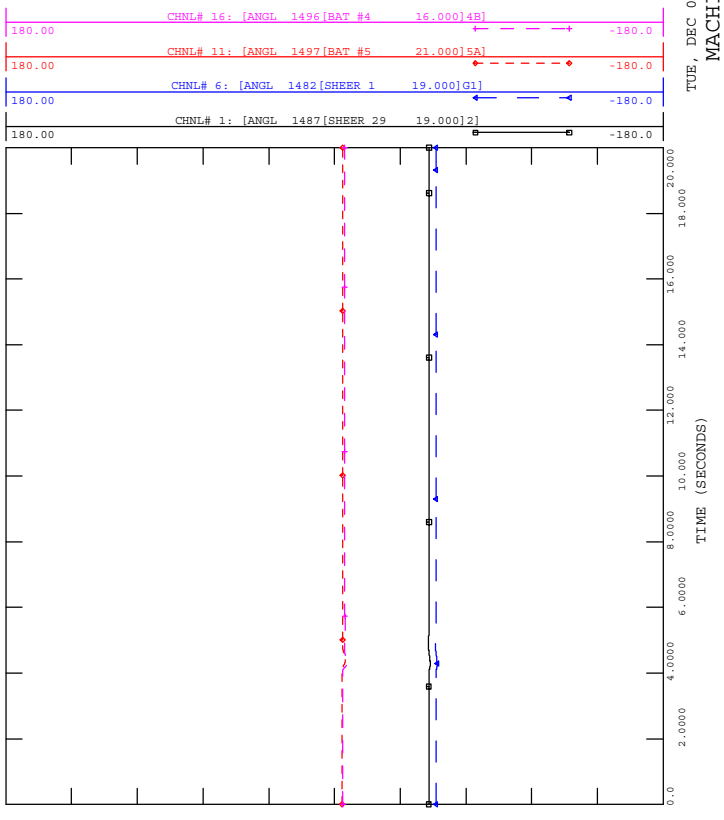


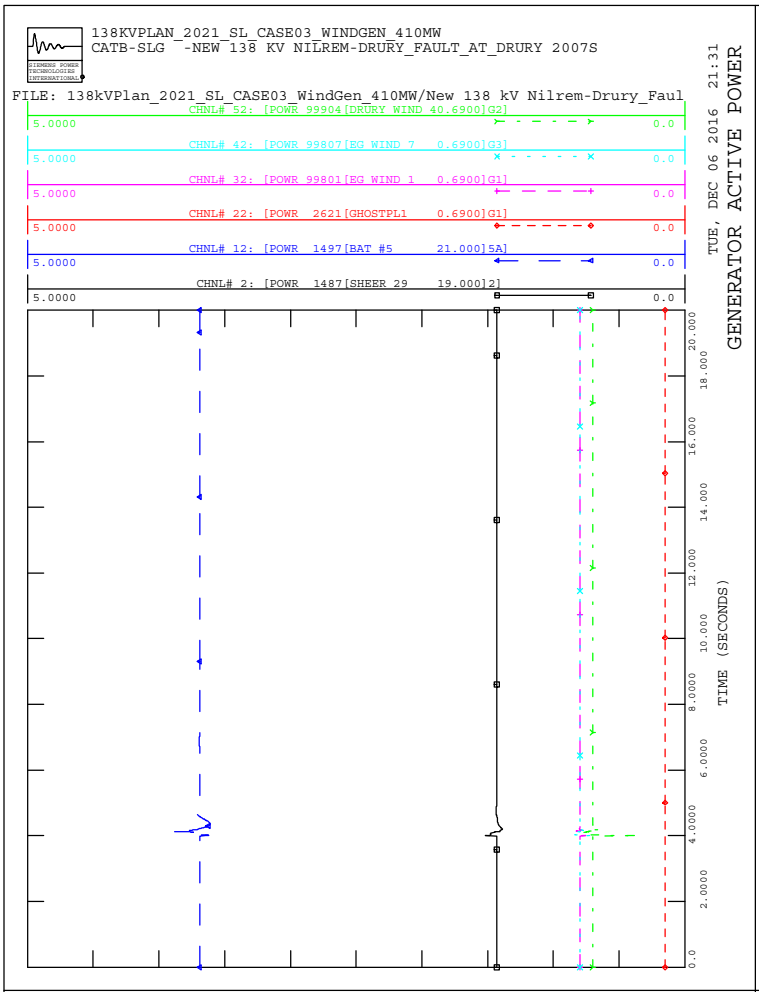
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

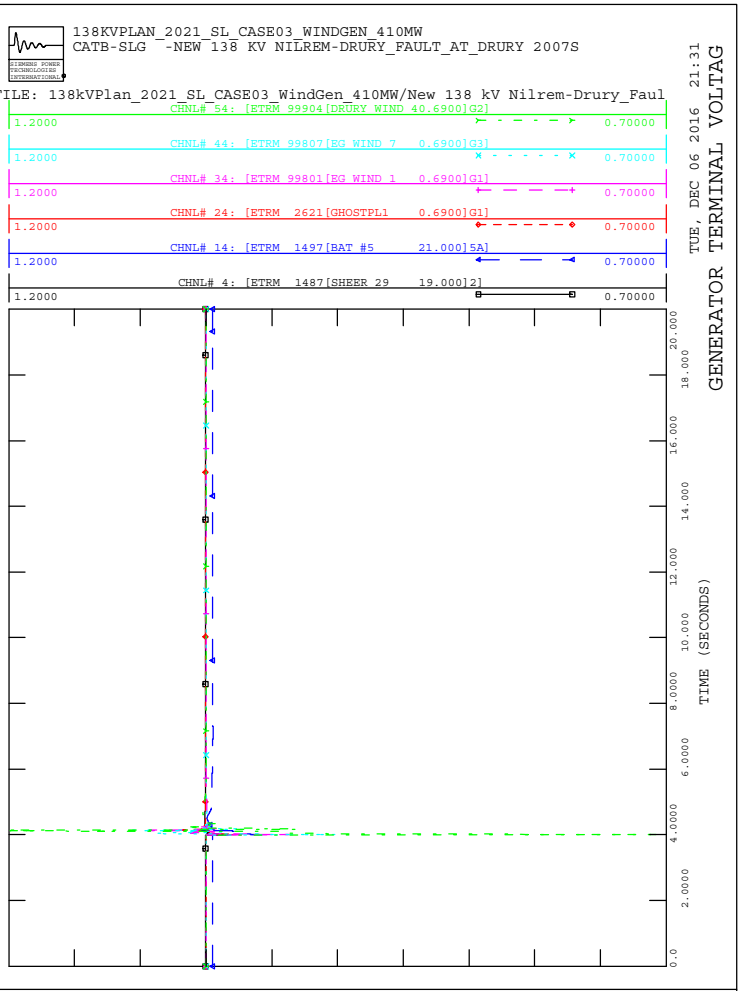
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

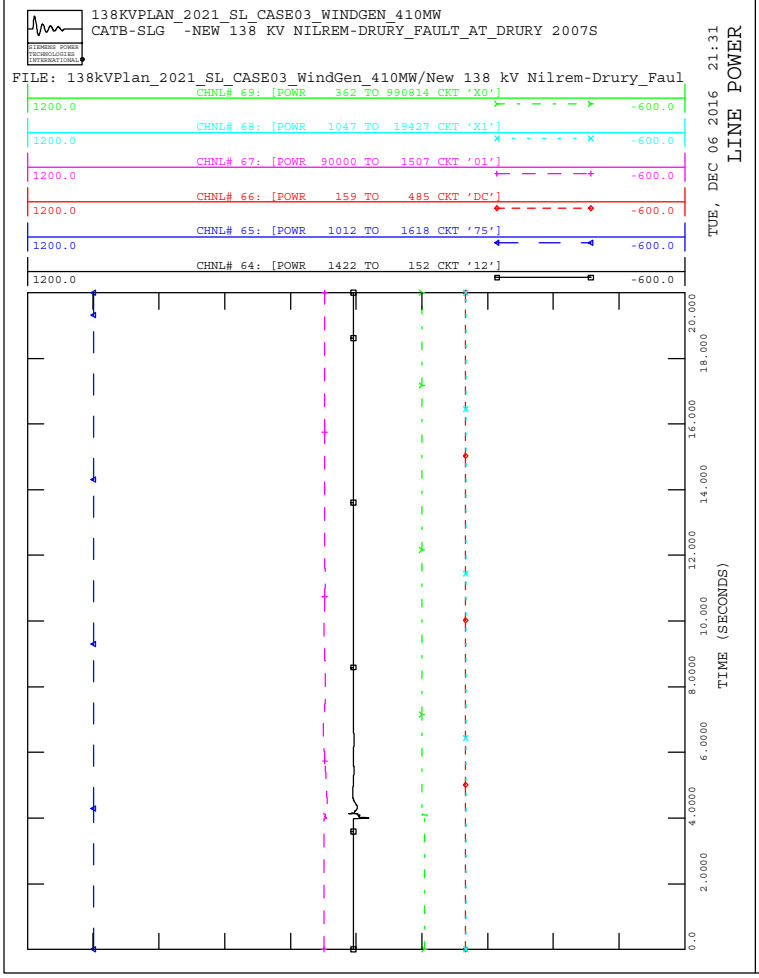
TUE, DEC 06 2016 21:31

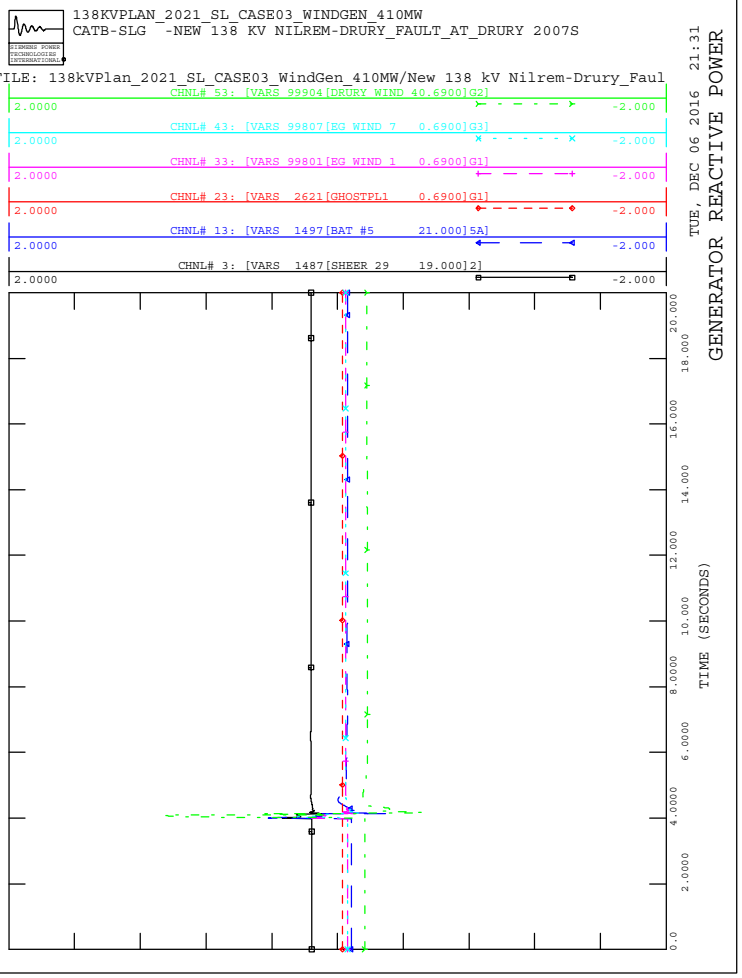
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:31
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:31
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:31
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

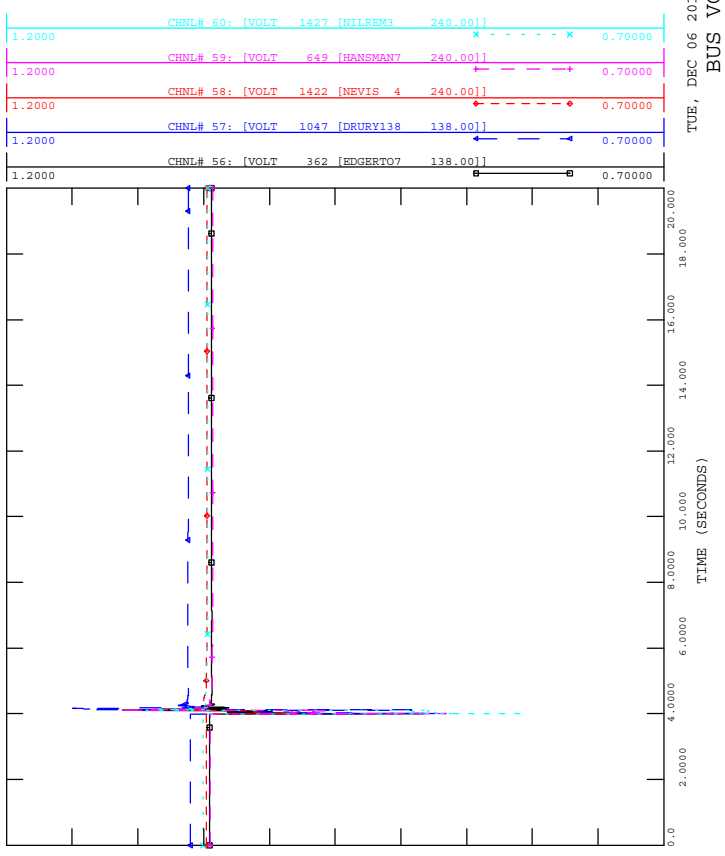

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:31
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:31

BUS VOLTAGE

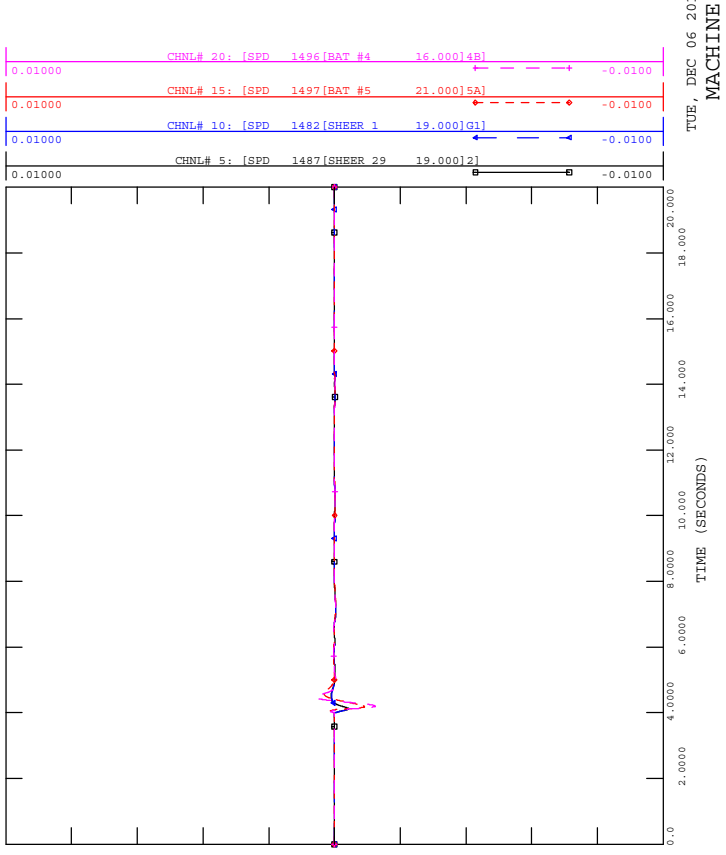


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:31

MACHINE SPEED

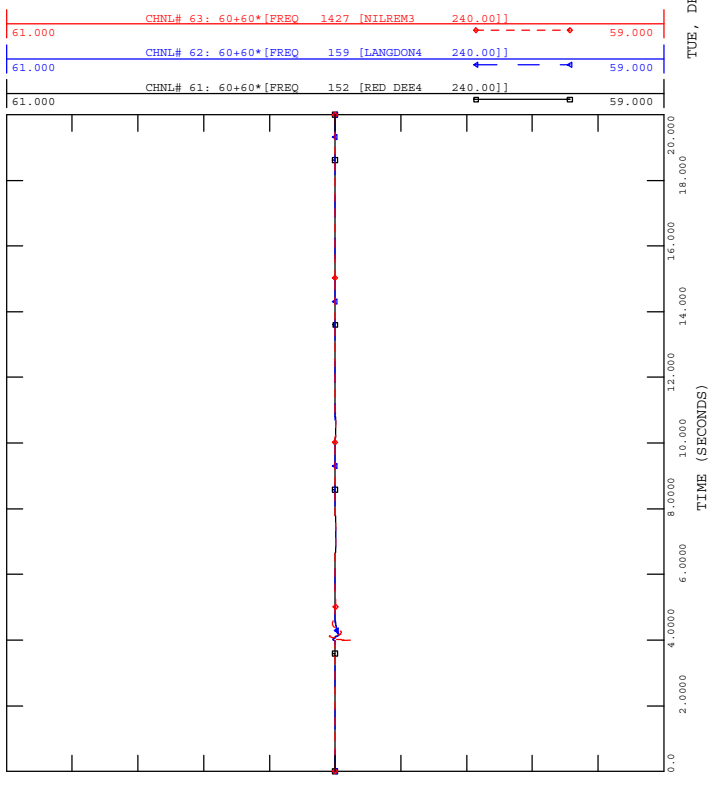


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:31

FREQUENCY

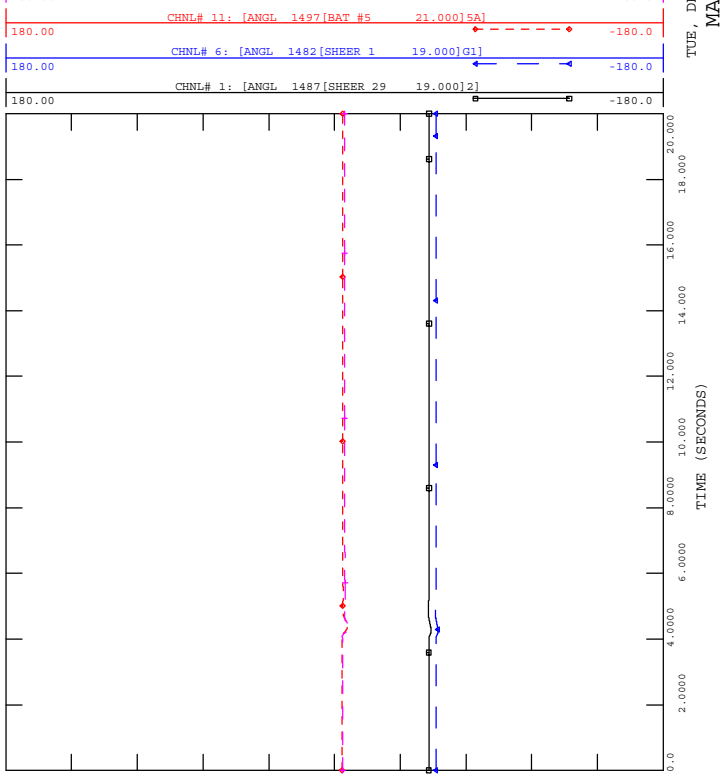


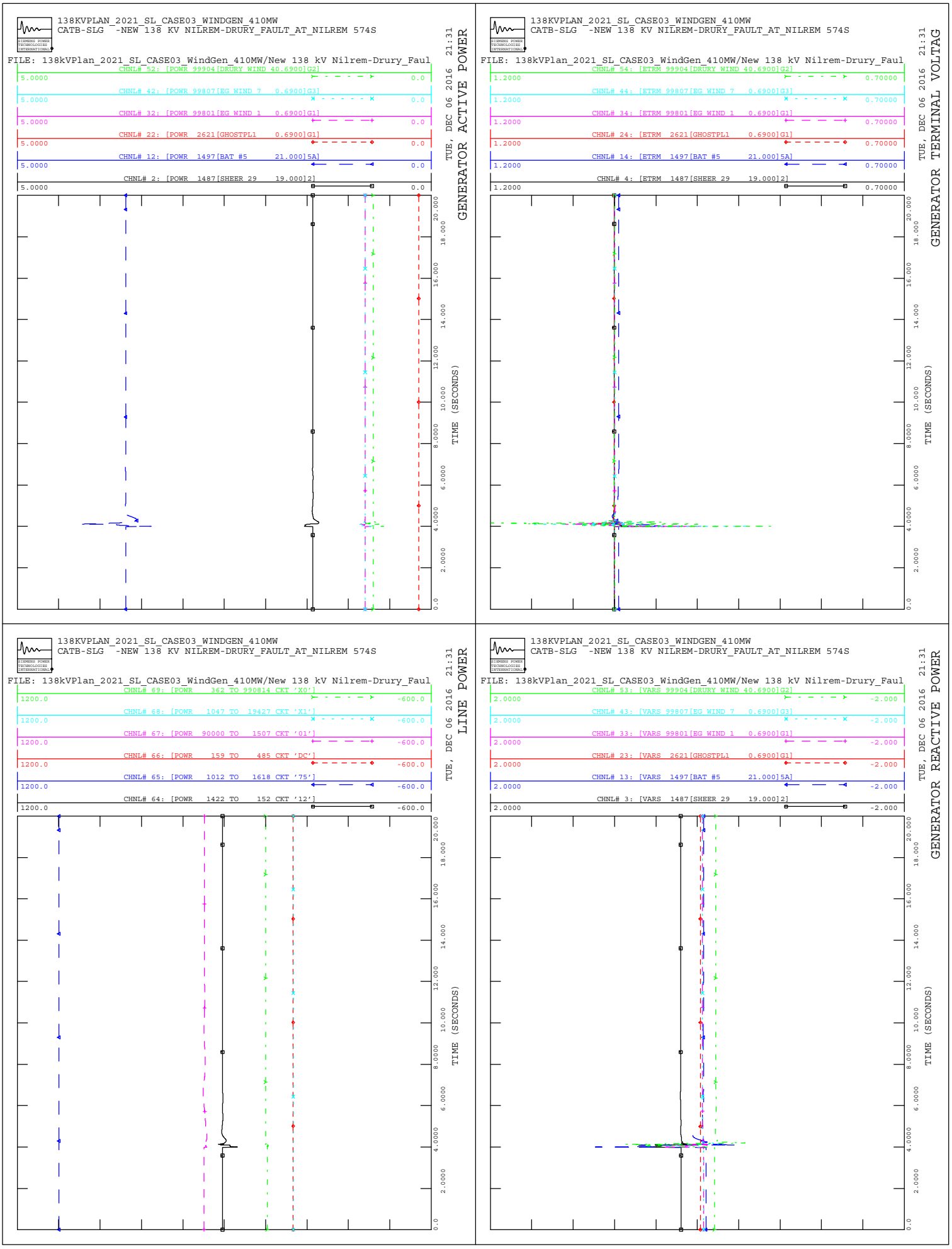
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:31

MACHINE ANGLE



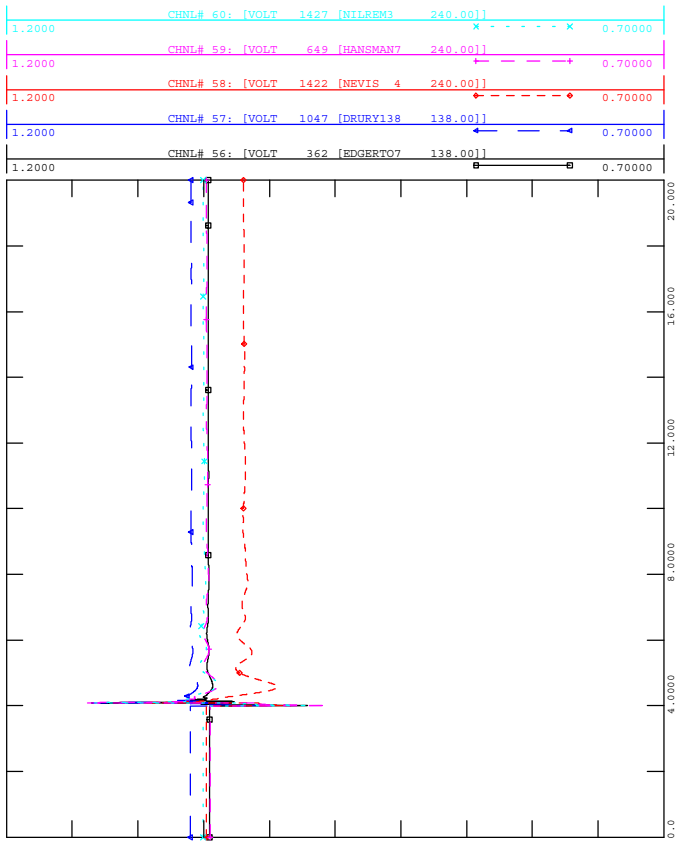

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:31
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:31
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:31
LINE POWER
TIME (SECONDS)
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:31
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:55

BUS VOLTAGE

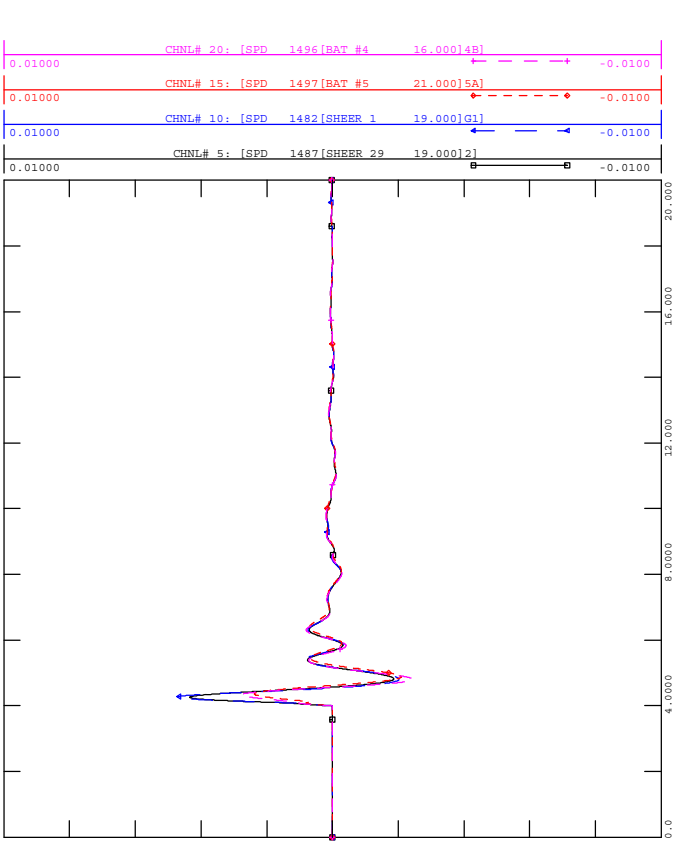


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:55

MACHINE SPEED

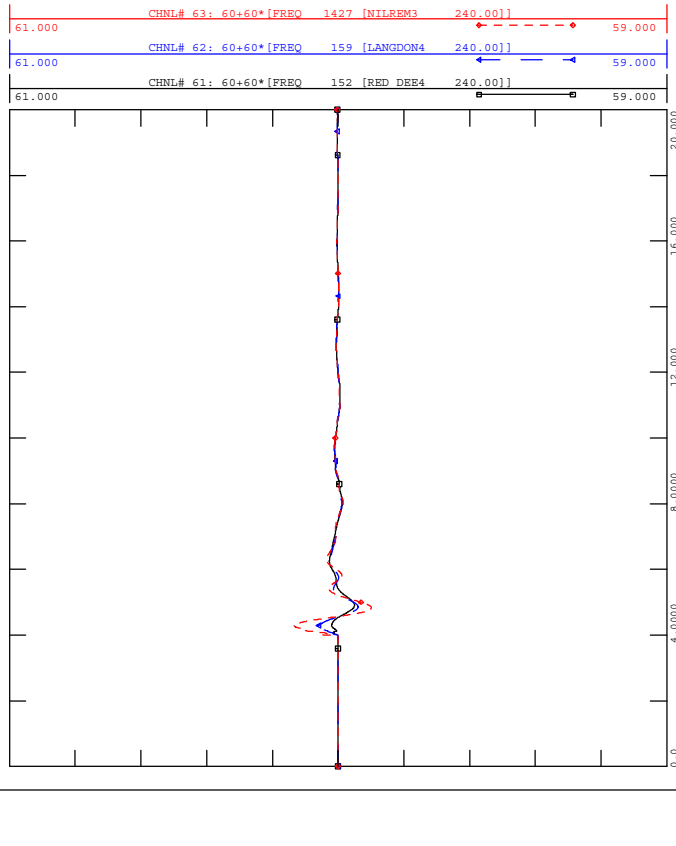


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:55

FREQUENCY

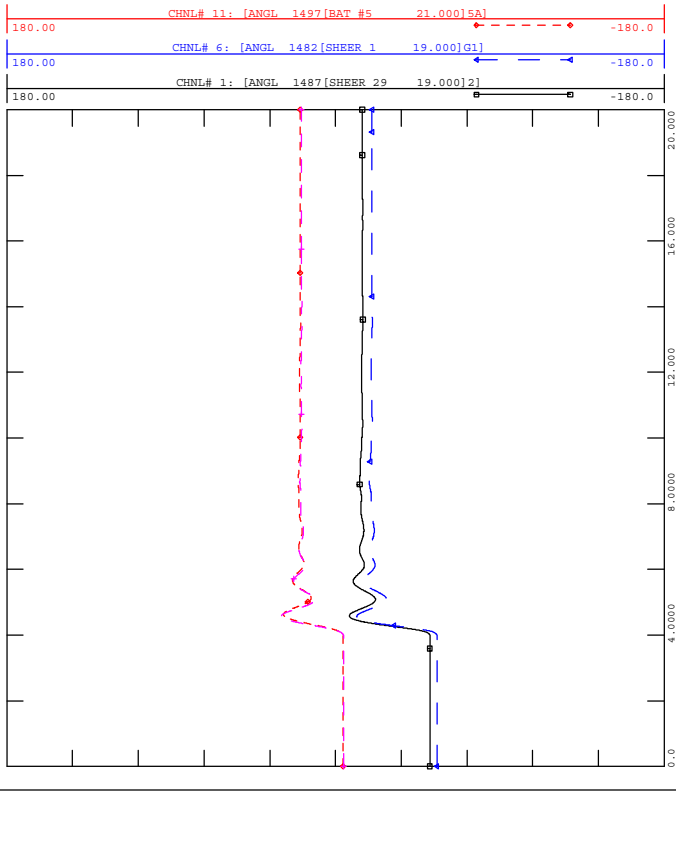


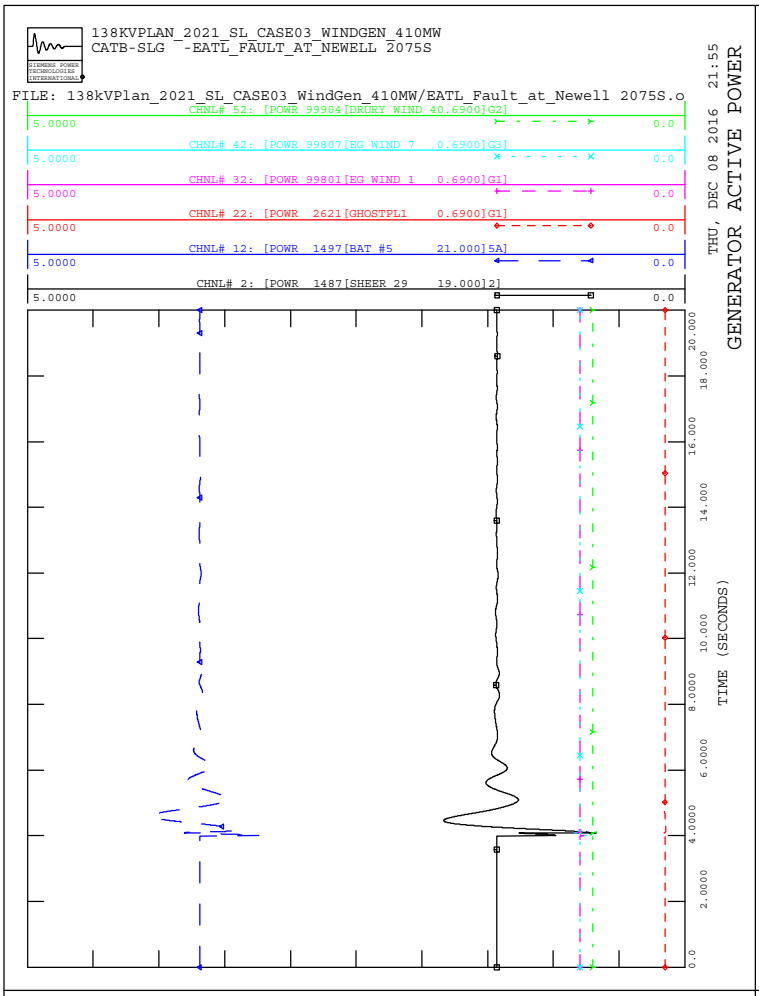
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

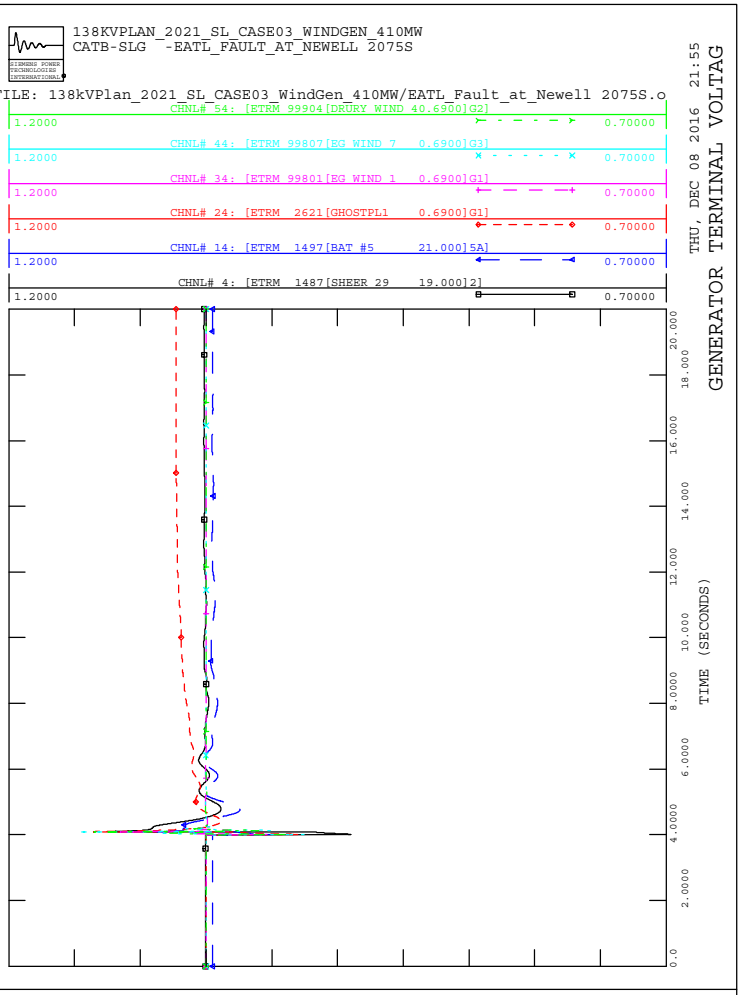
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:55

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
THU, DEC 08 2016 21:55
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
THU, DEC 08 2016 21:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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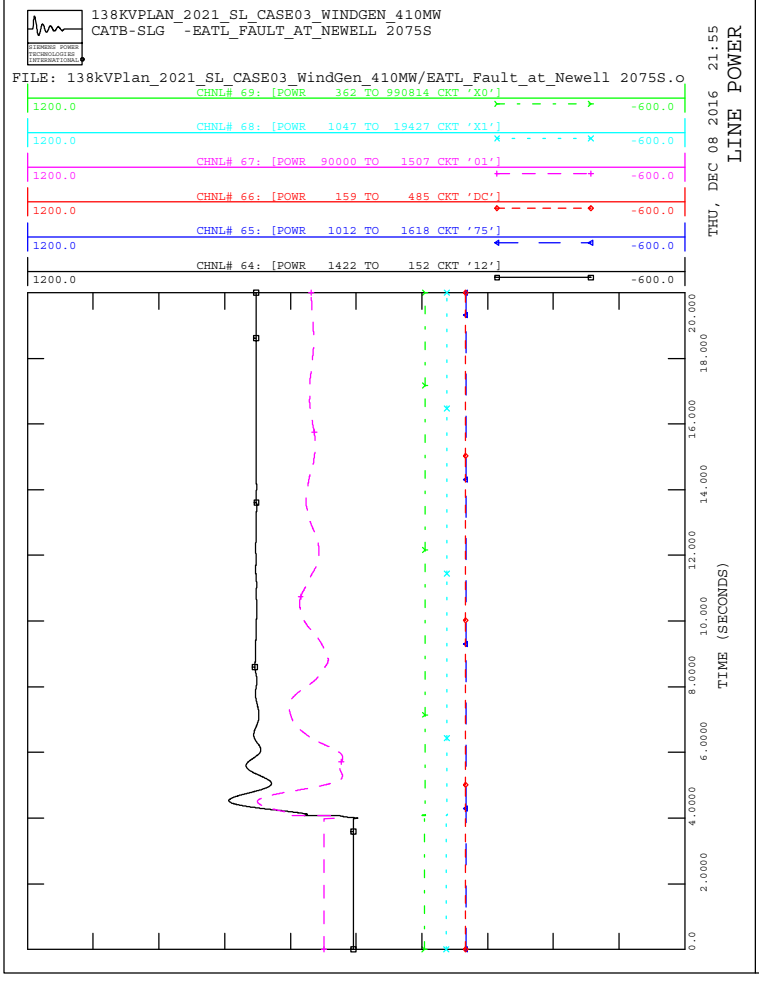
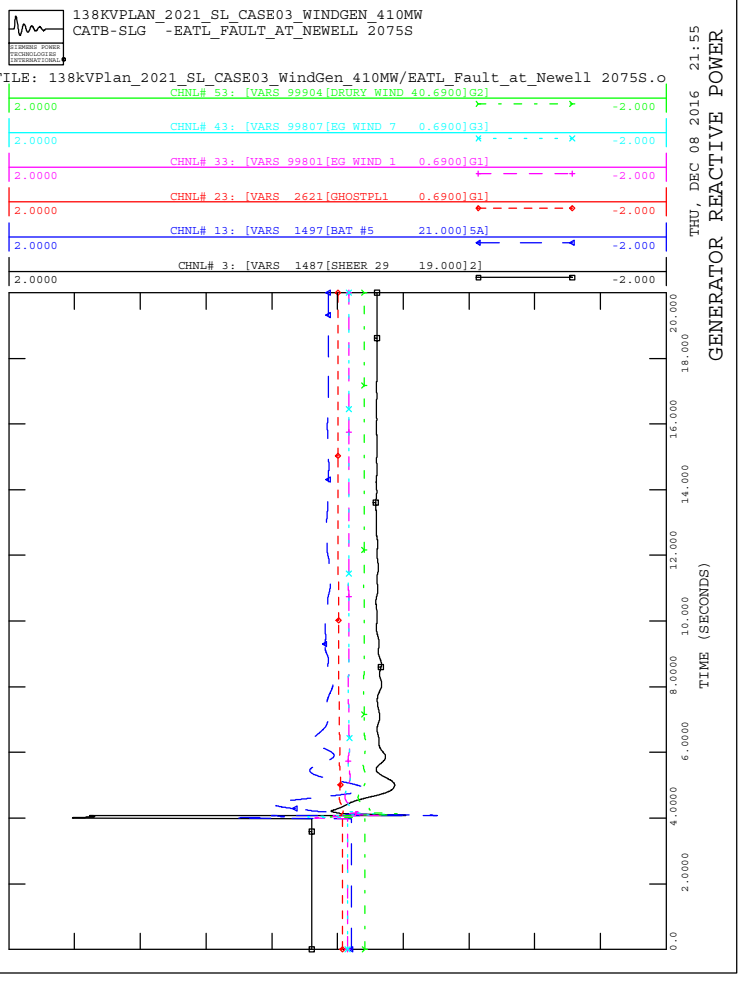
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
THU, DEC 08 2016 21:55
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
THU, DEC 08 2016 21:55
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

Transient Stability Analysis Plots

Alternative 1-138 kV Plan

2021 Winter Peak

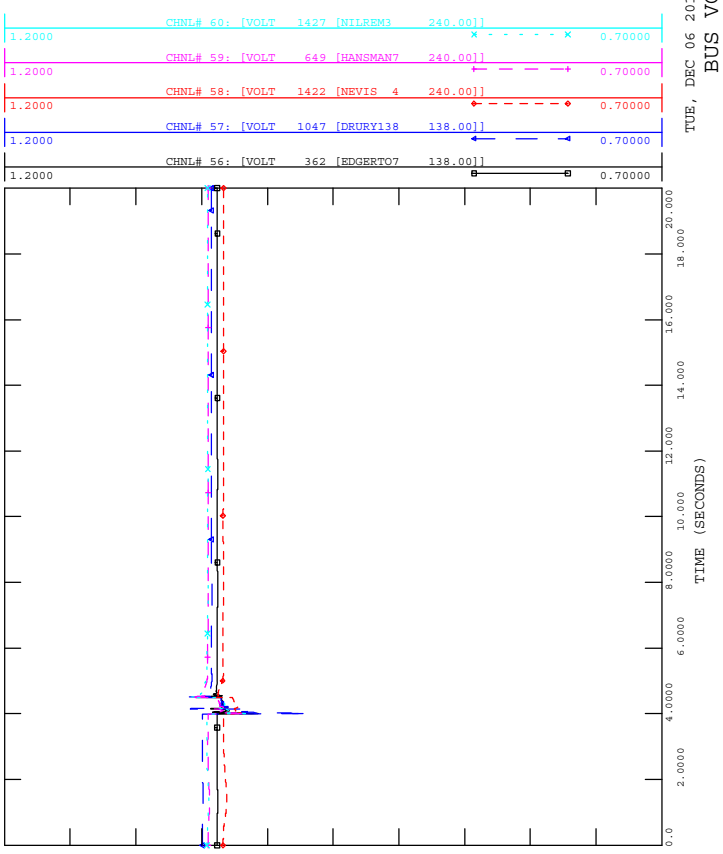
Category B (Single-line-to-ground Fault)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_North Holden 3

TUE, DEC 06 2016 21:32

BUS VOLTAGE

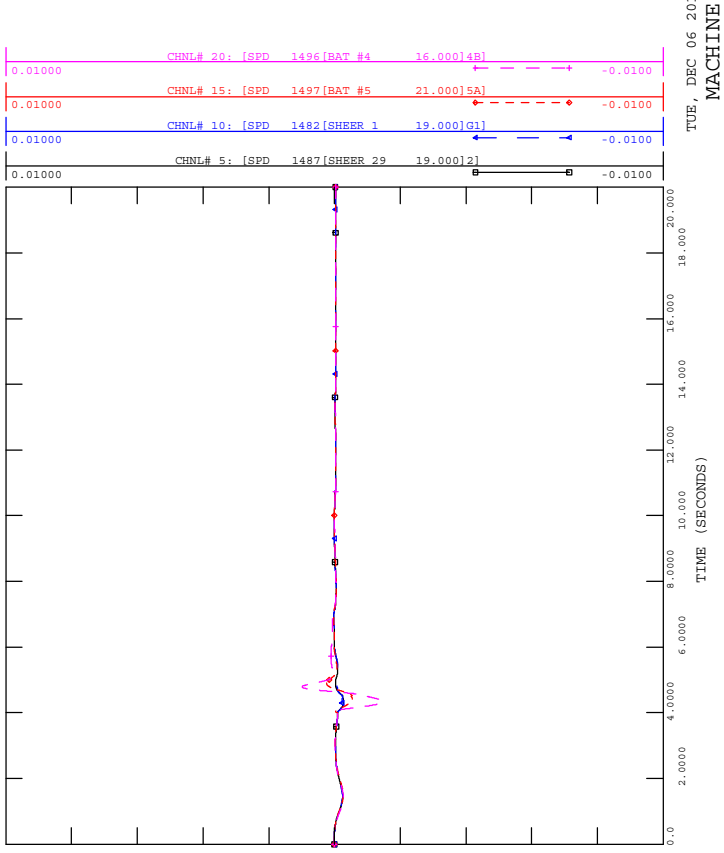


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_North Holden 3

TUE, DEC 06 2016 21:32

MACHINE SPEED

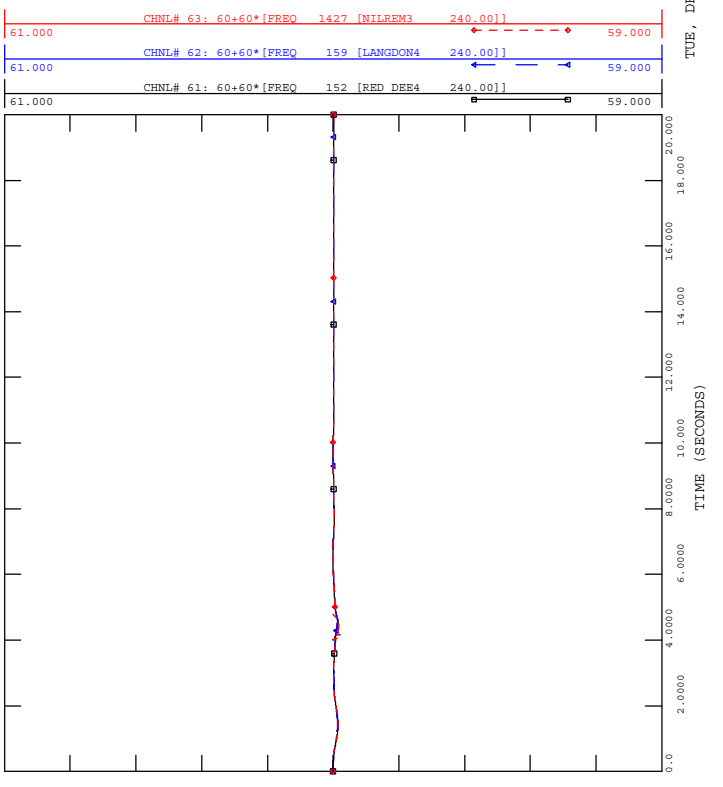


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_North Holden 3

TUE, DEC 06 2016 21:32

FREQUENCY

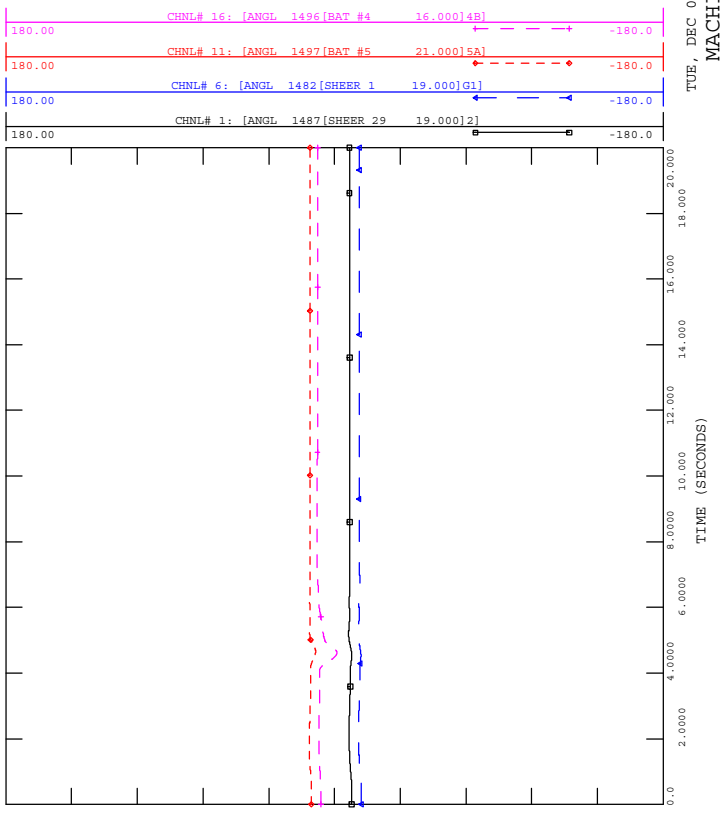


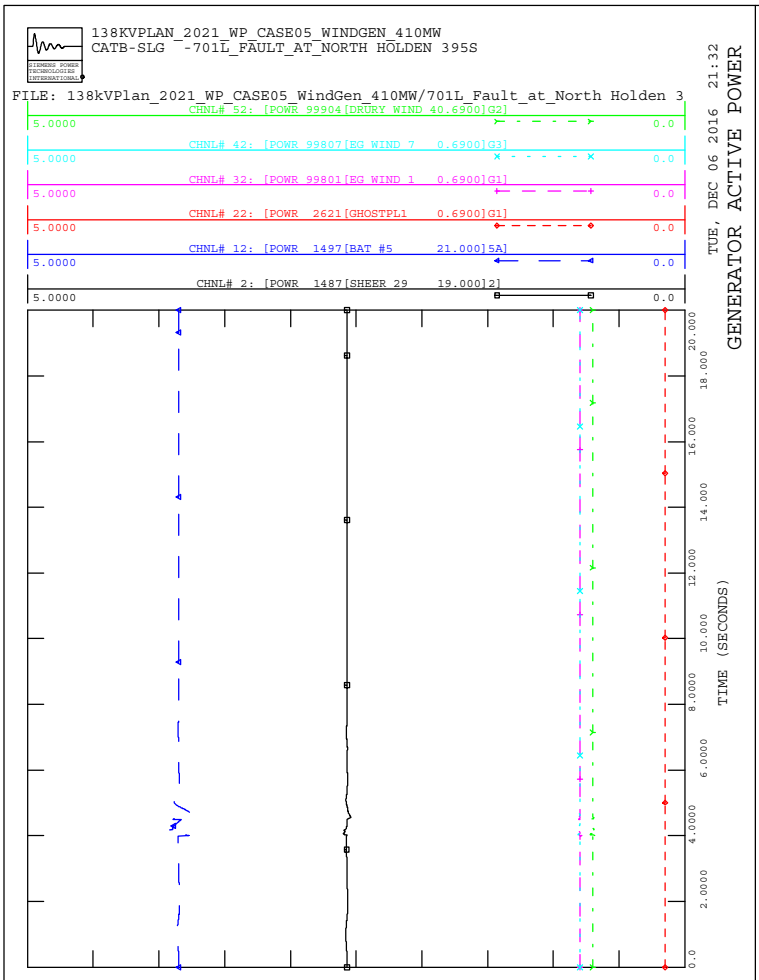
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

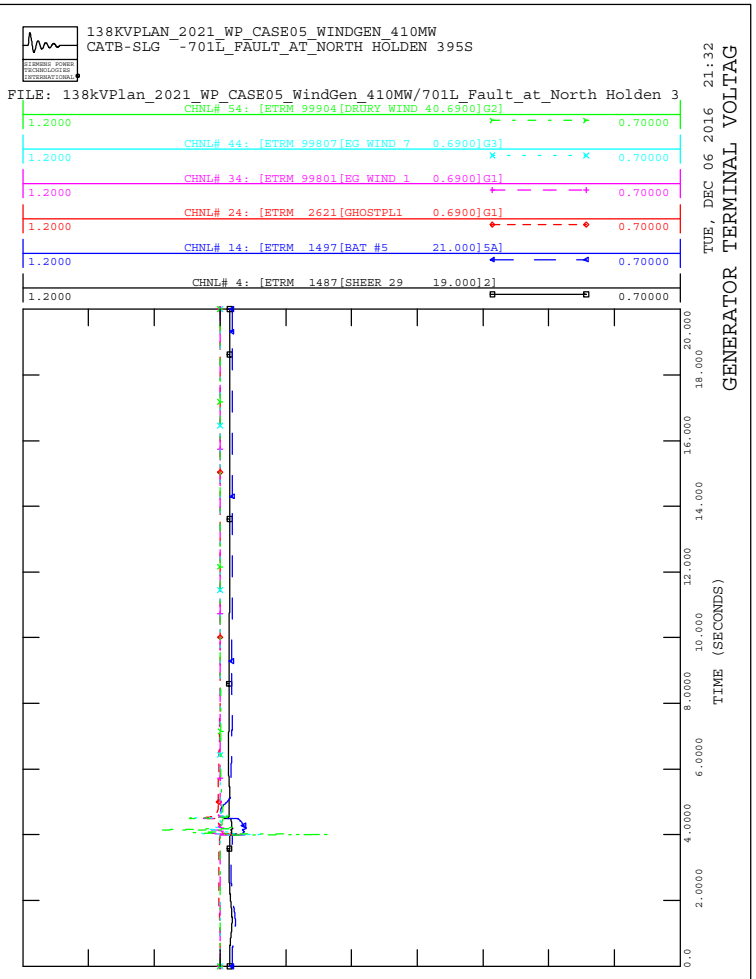
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_North Holden 3

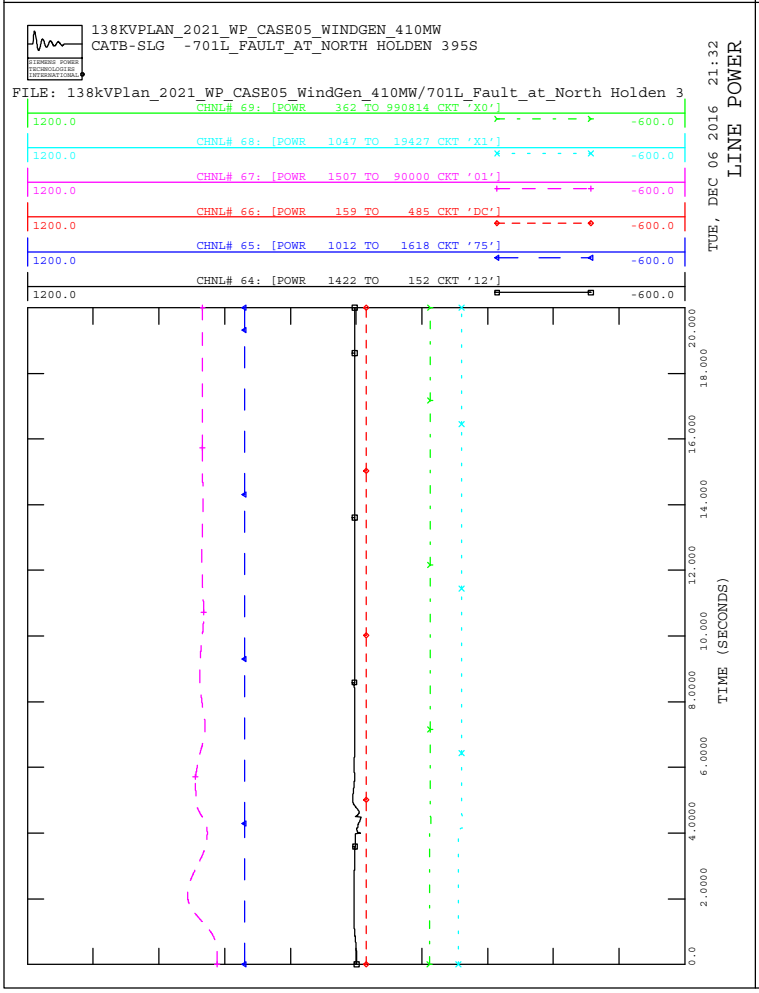
TUE, DEC 06 2016 21:32

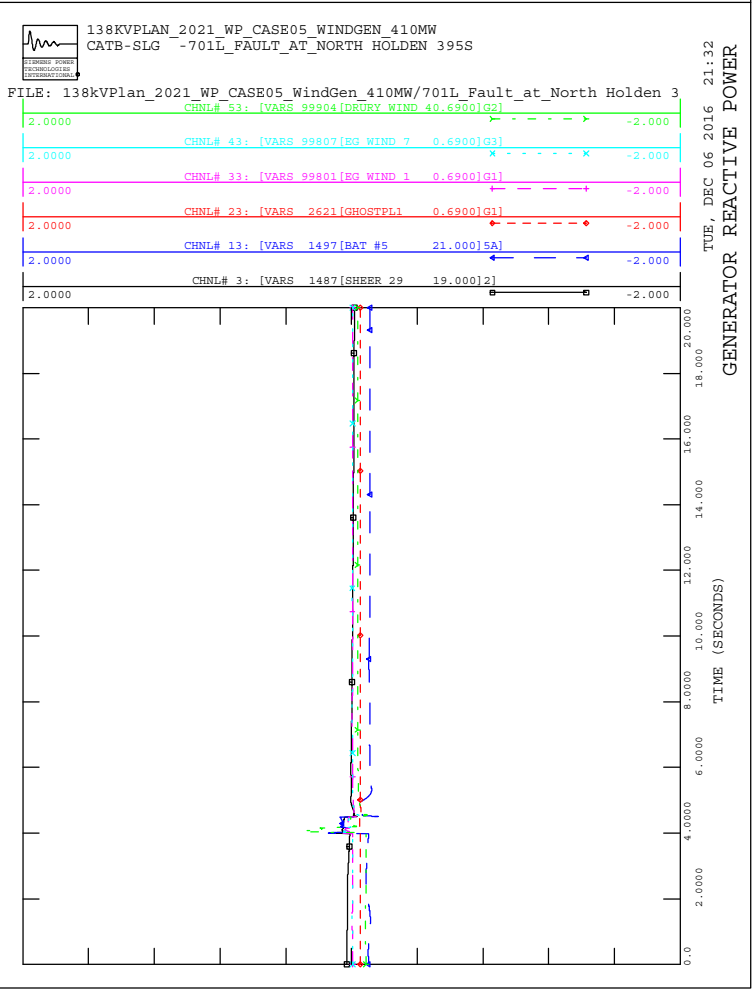
MACHINE ANGLE

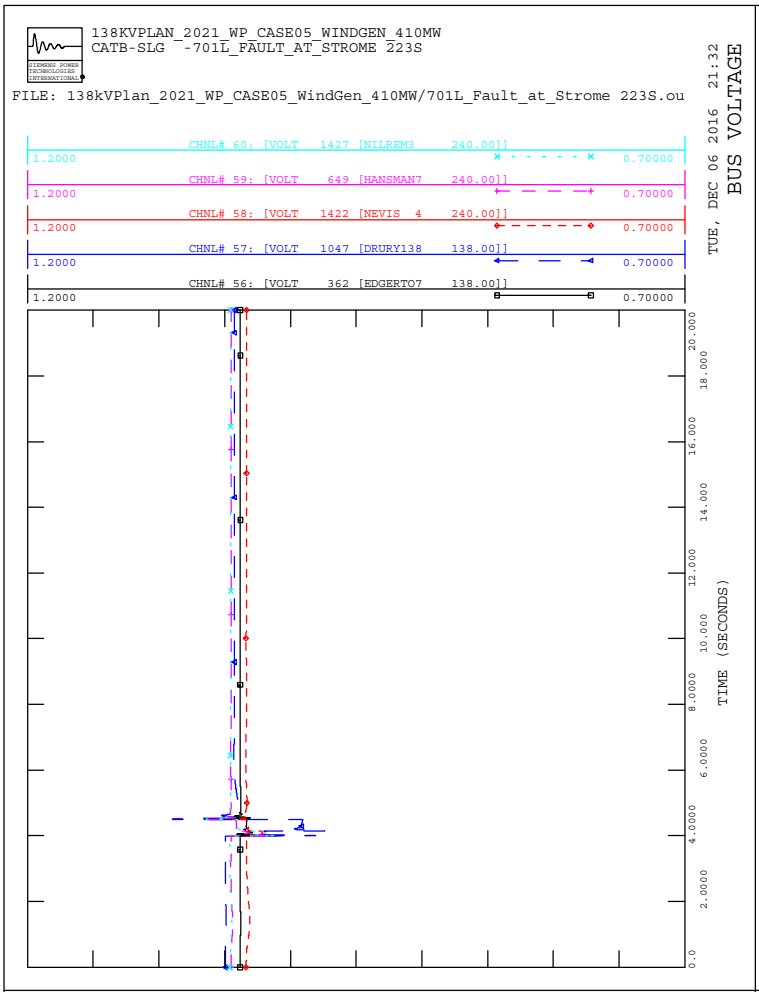


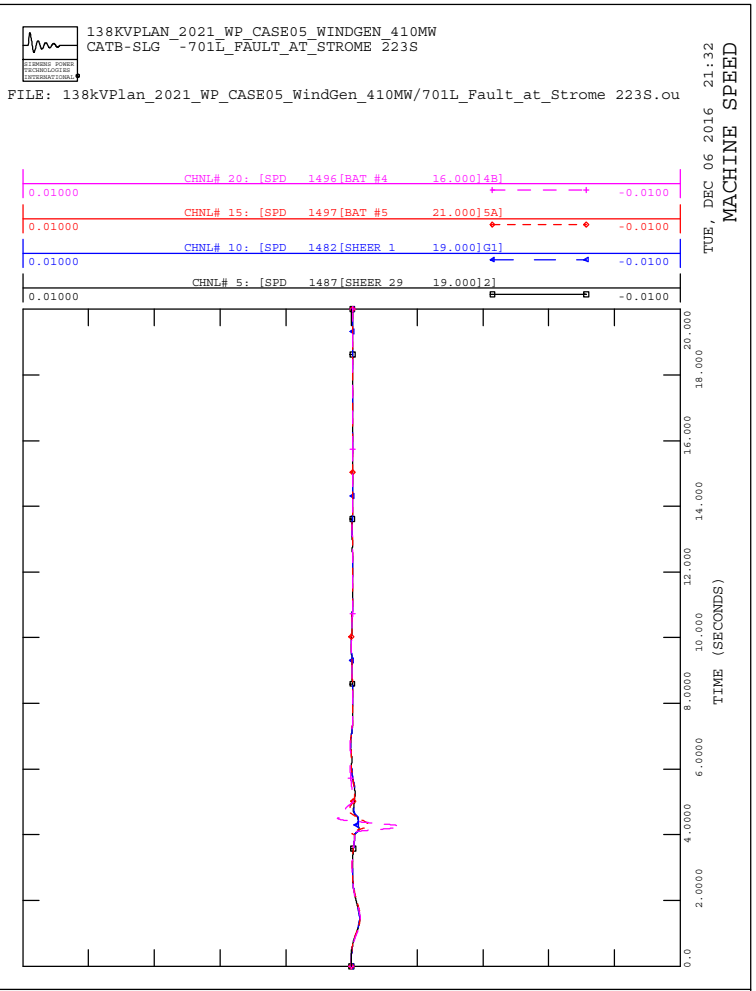

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)

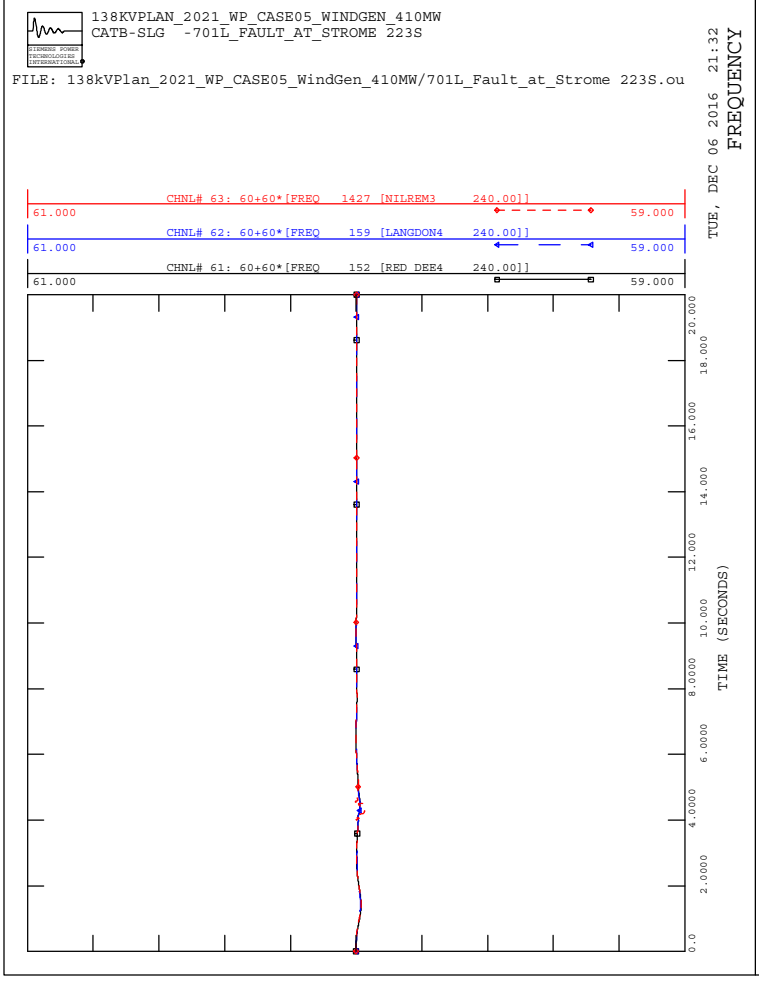

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

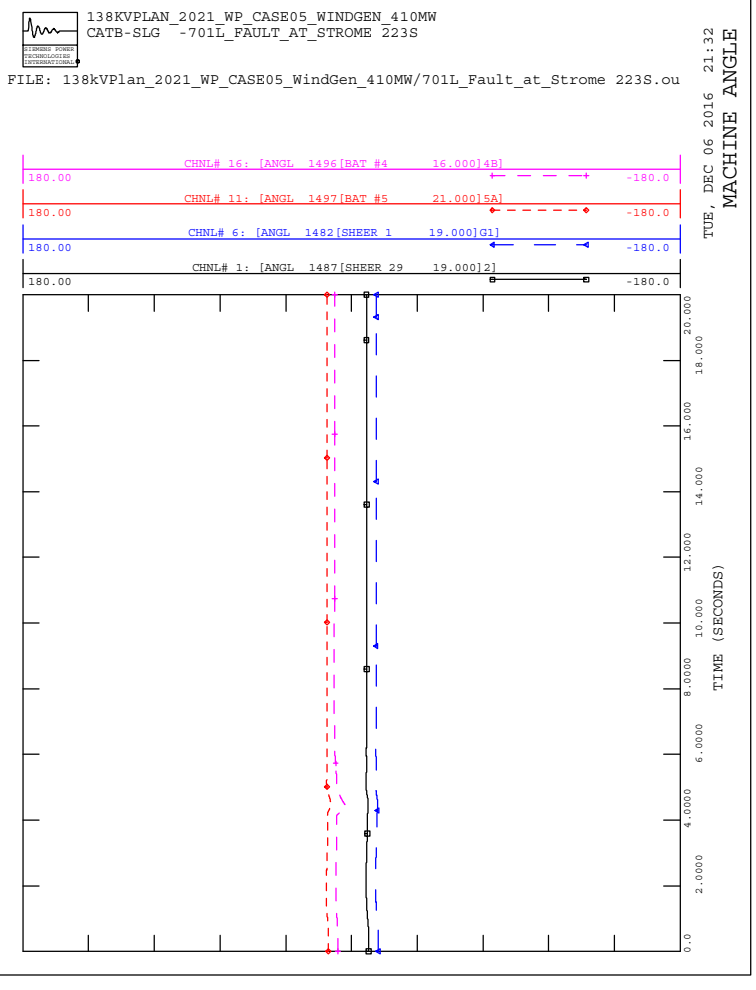

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

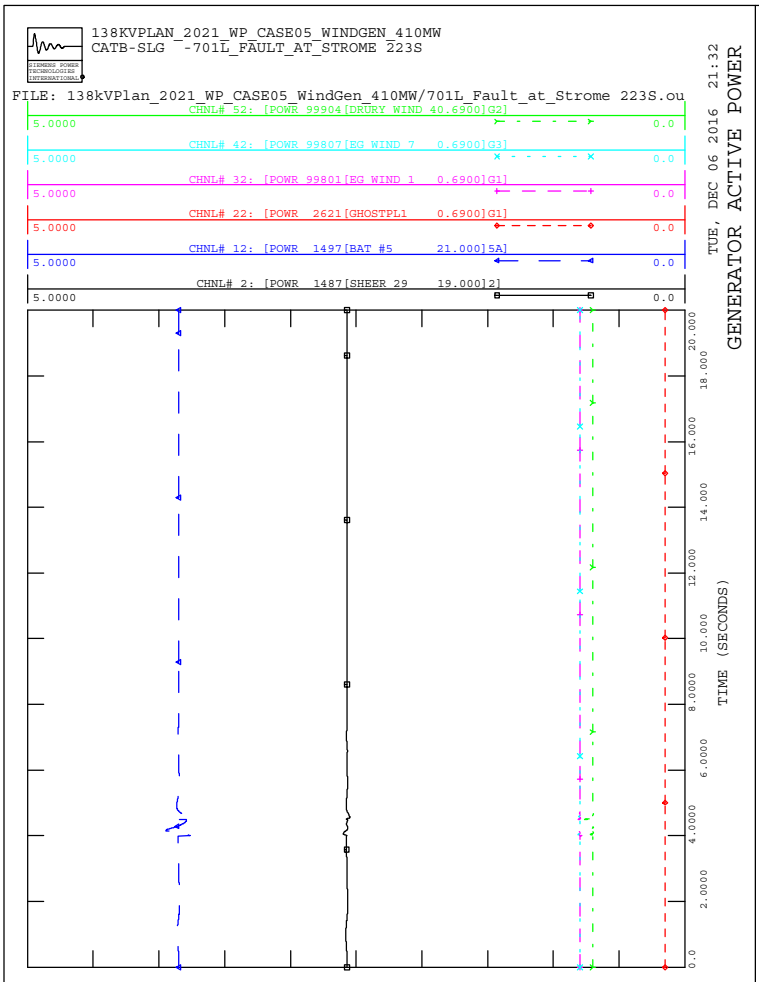

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

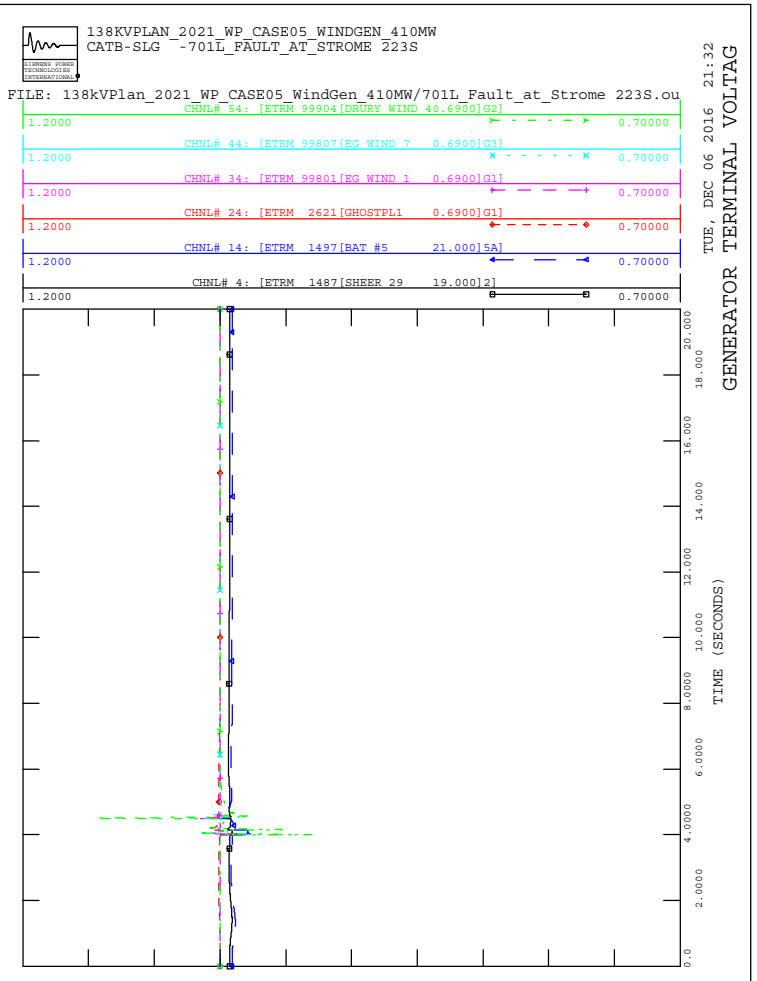

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
TUE, DEC 06 2016 21:32
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

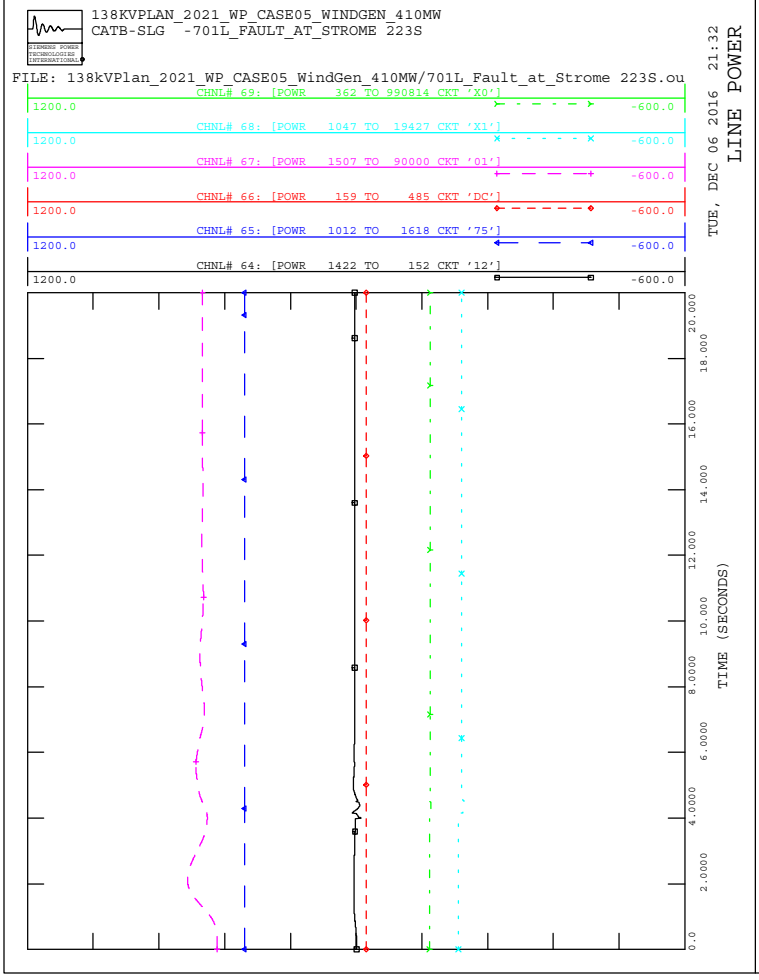

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
TUE, DEC 06 2016 21:32
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

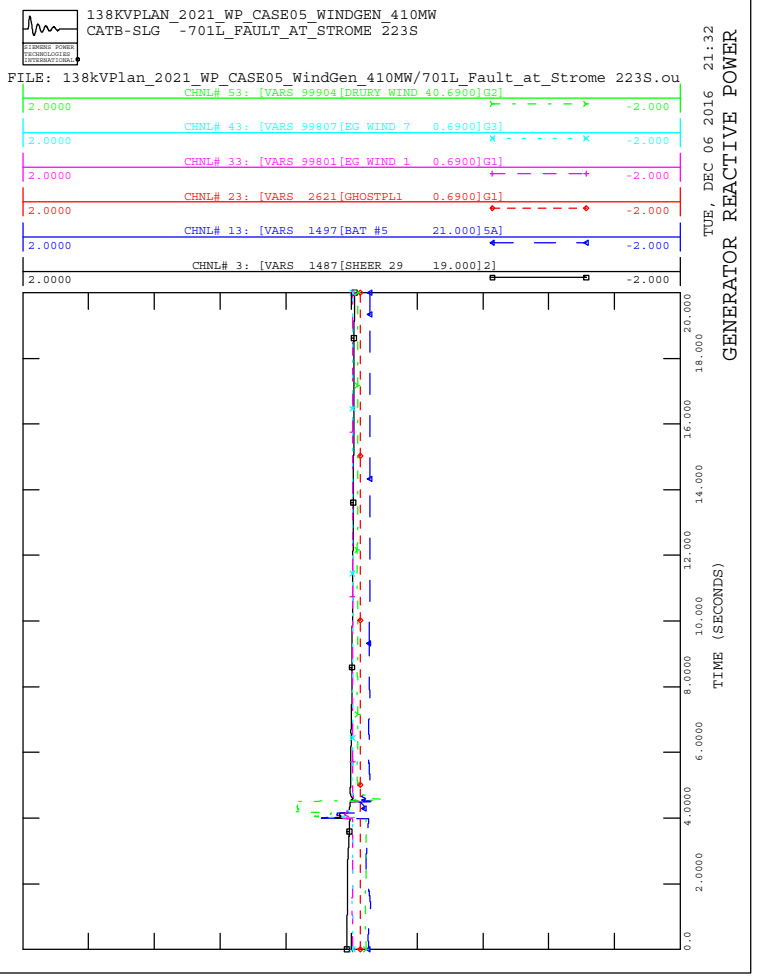

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
TUE, DEC 06 2016 21:32
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

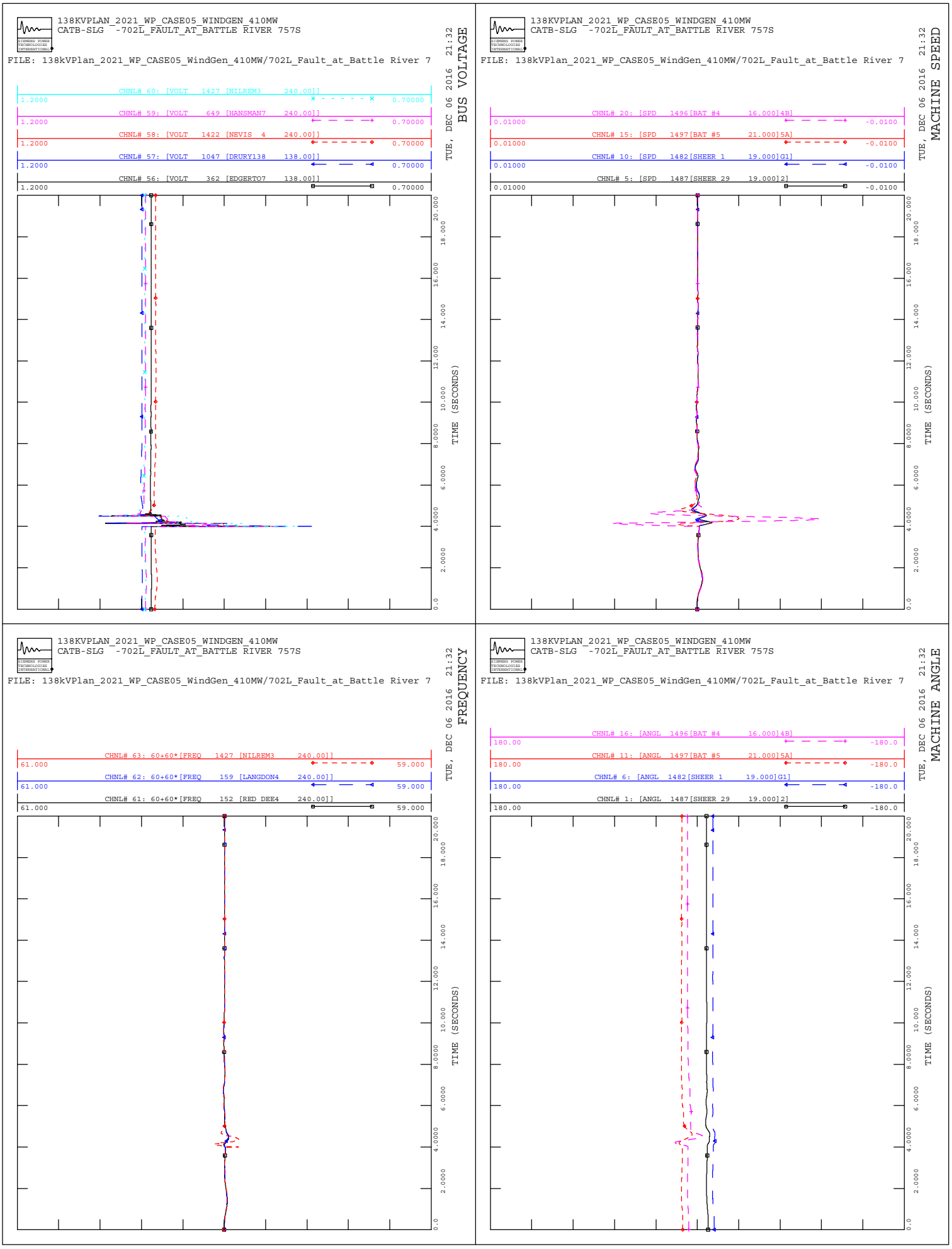

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
TUE, DEC 06 2016 21:32
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
TUE, DEC 06 2016 21:32
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_Fault_at_Strome 223S.ou
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7
TUE, DEC 06 2016 21:32
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7
TUE, DEC 06 2016 21:32
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7
TUE, DEC 06 2016 21:32
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7
TUE, DEC 06 2016 21:32
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
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16.000
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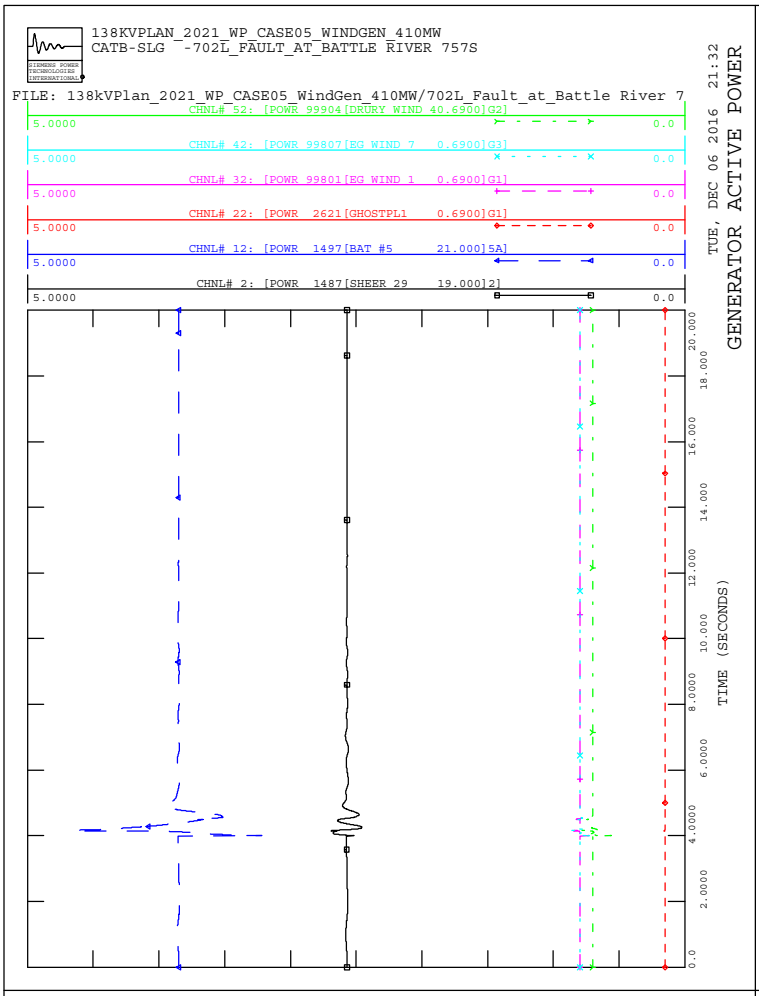
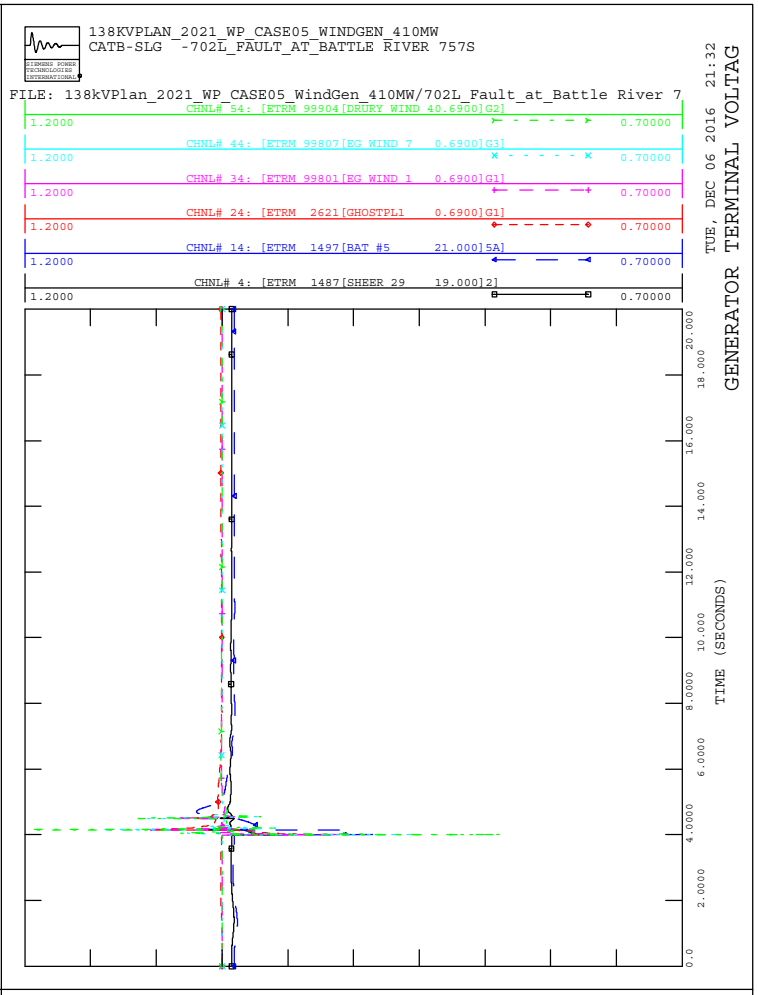
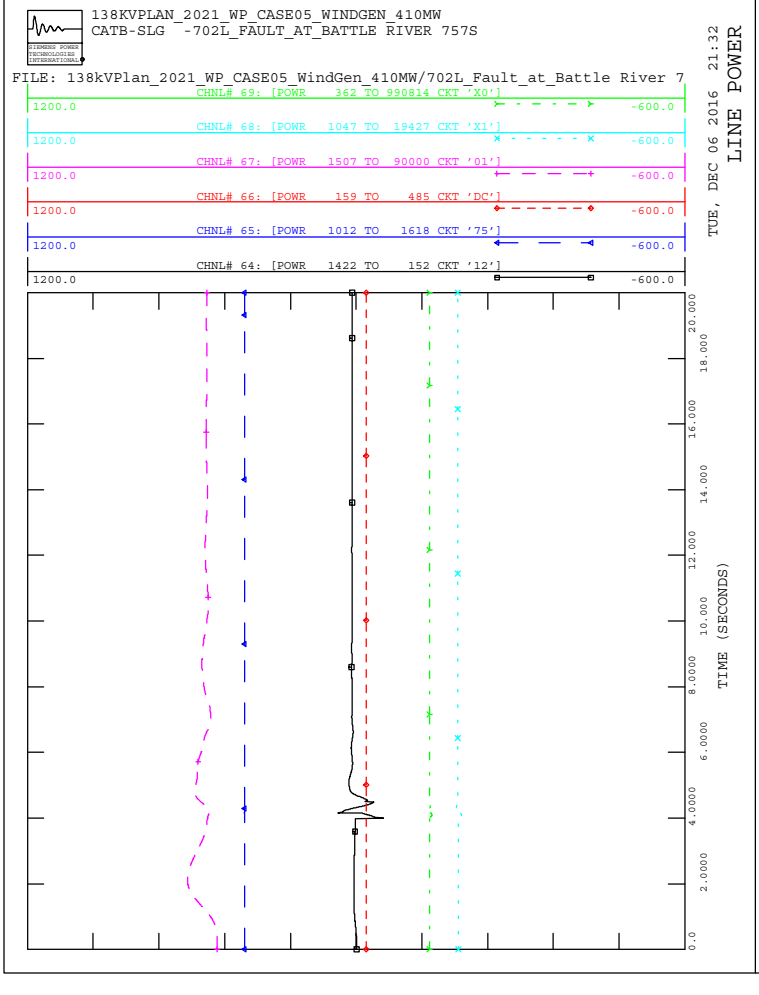
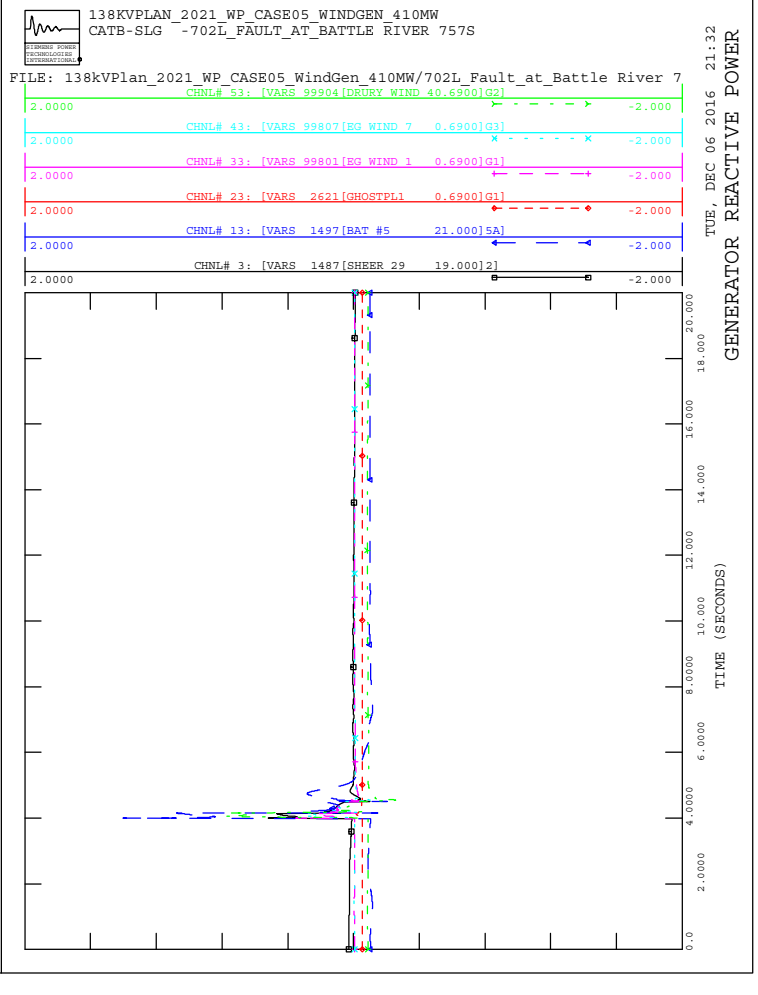
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

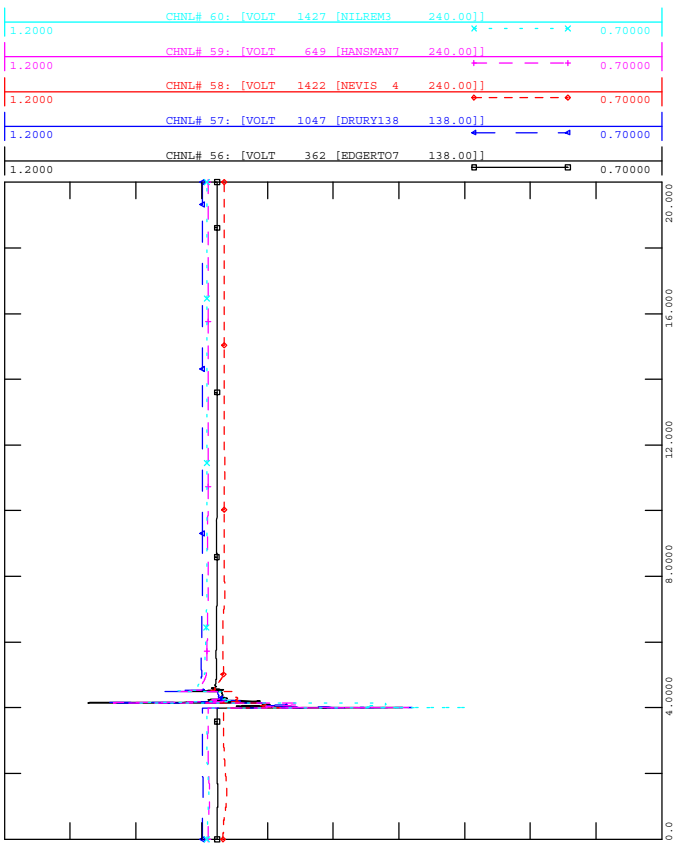

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:32

BUS VOLTAGE

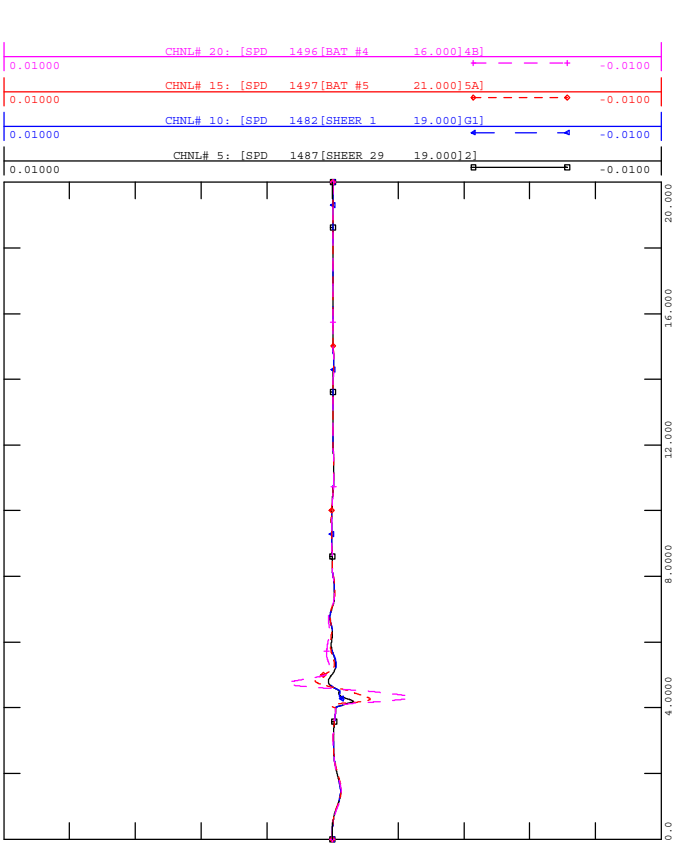


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:32

MACHINE SPEED

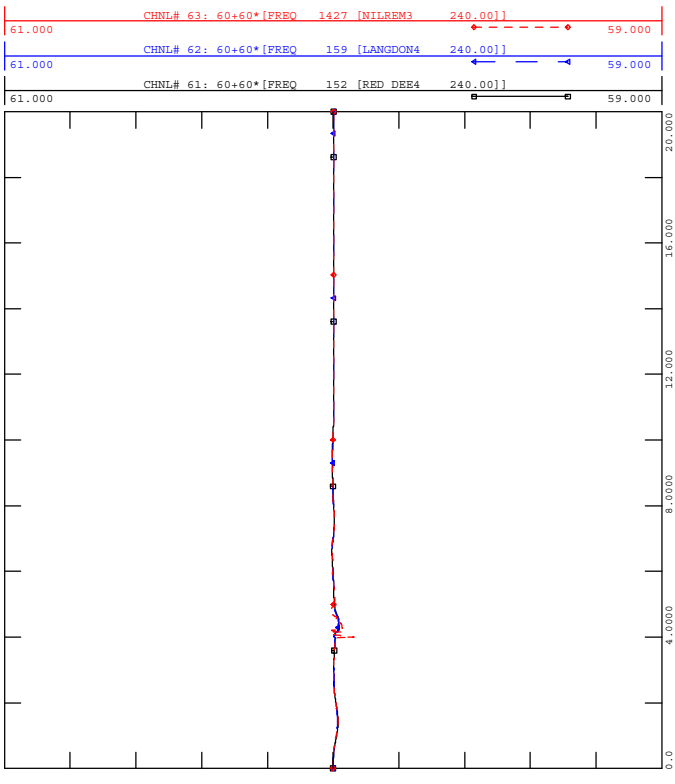


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:32

FREQUENCY

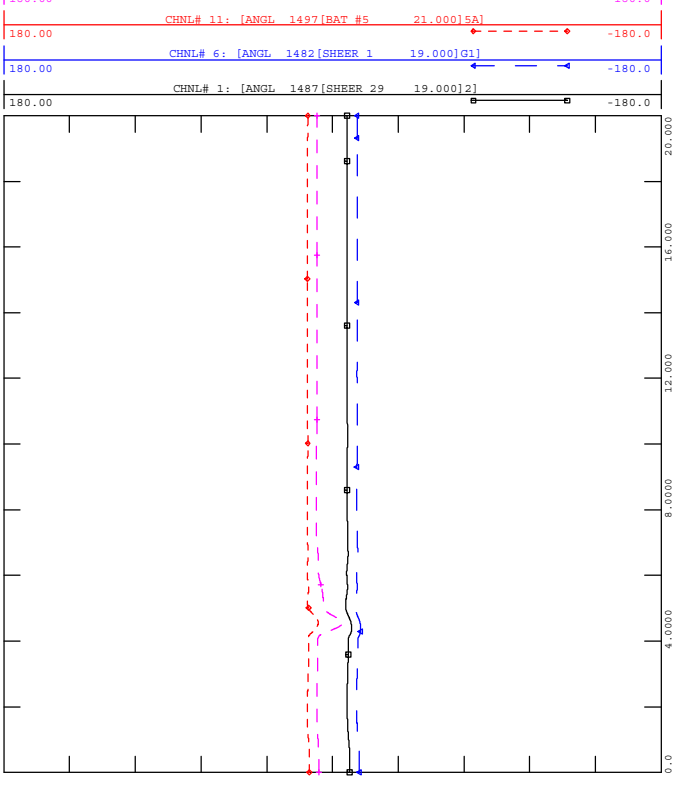


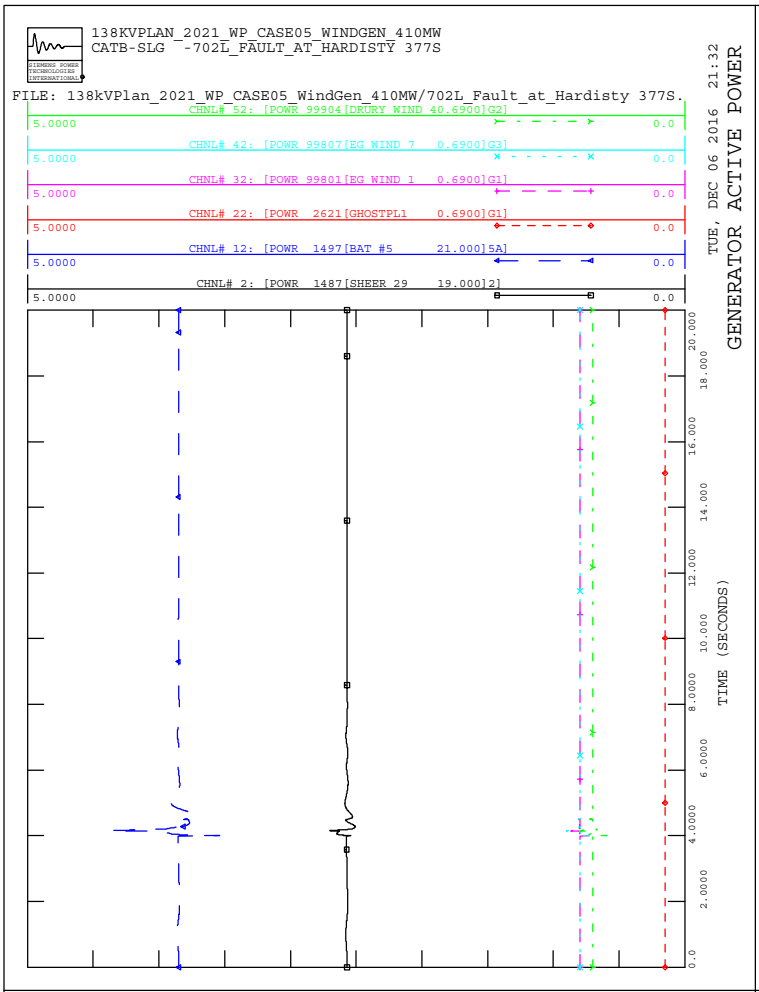
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

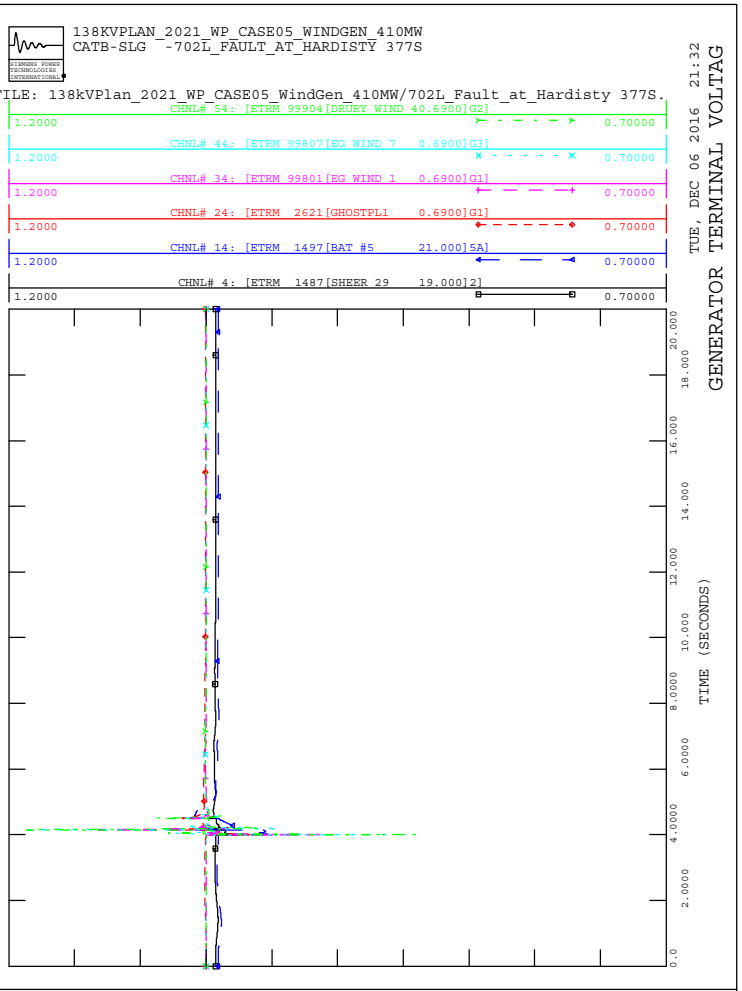
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.

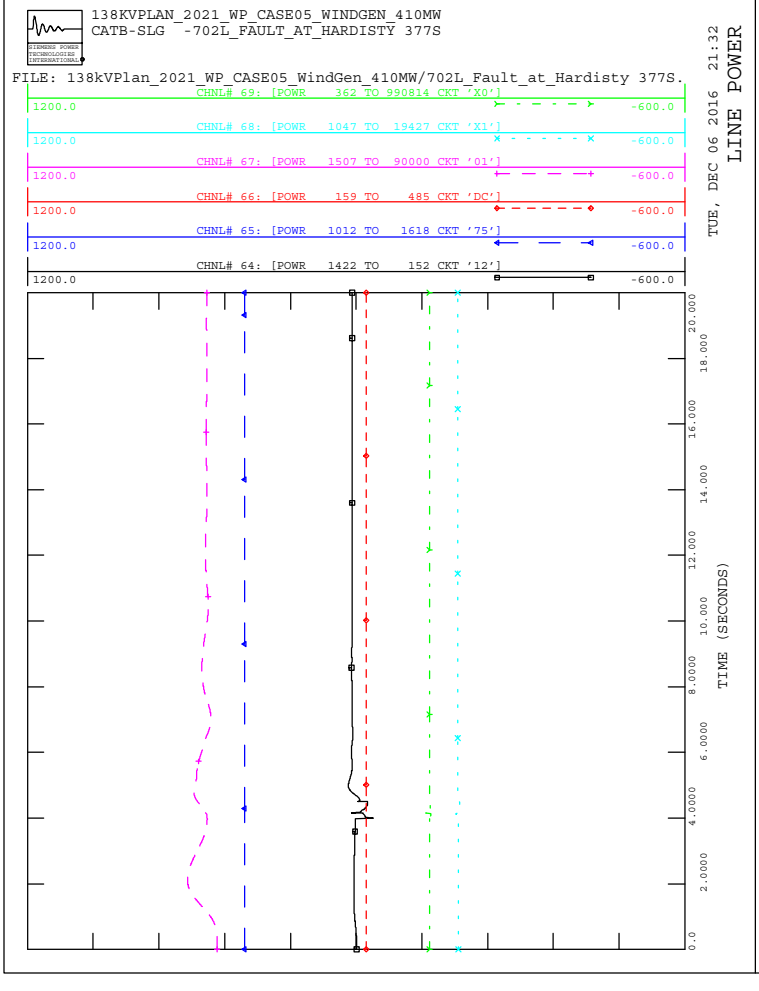
TUE, DEC 06 2016 21:32

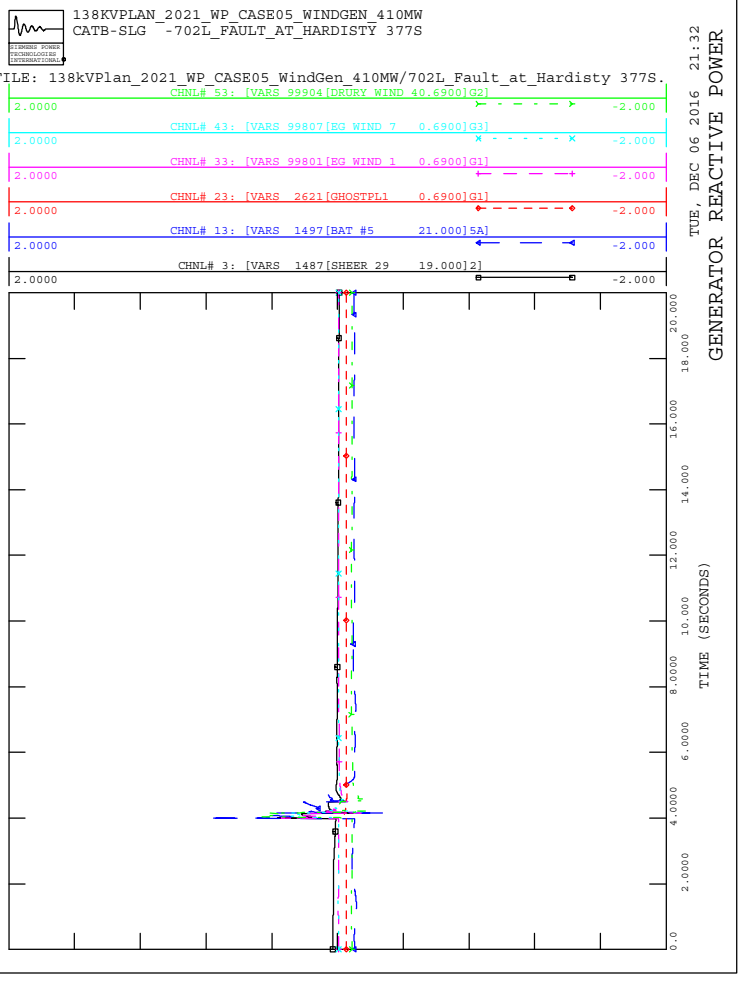
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

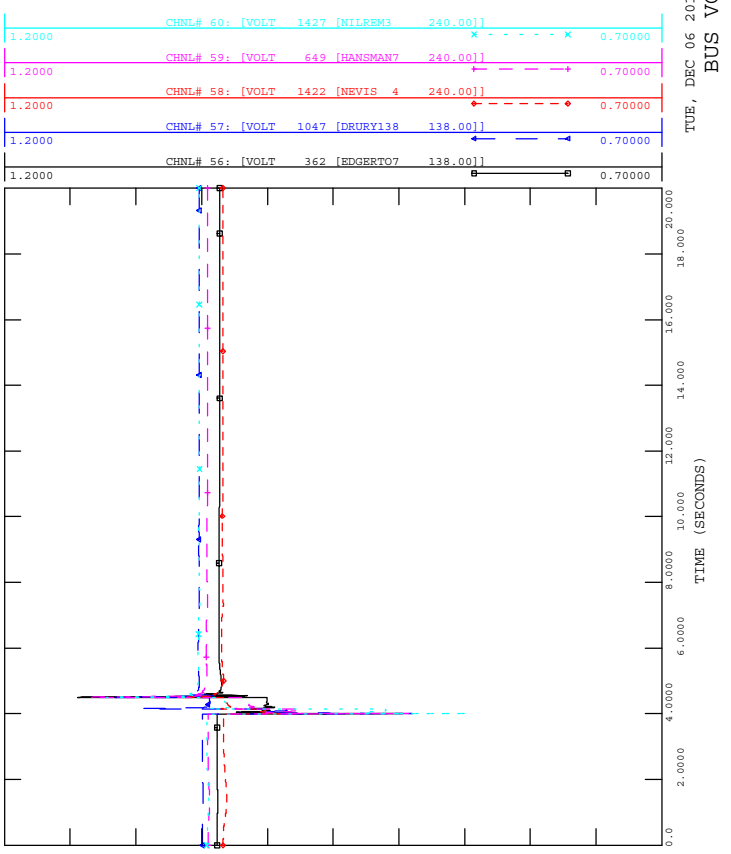

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_Fault_at_Hardisty 377S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:32

BUS VOLTAGE

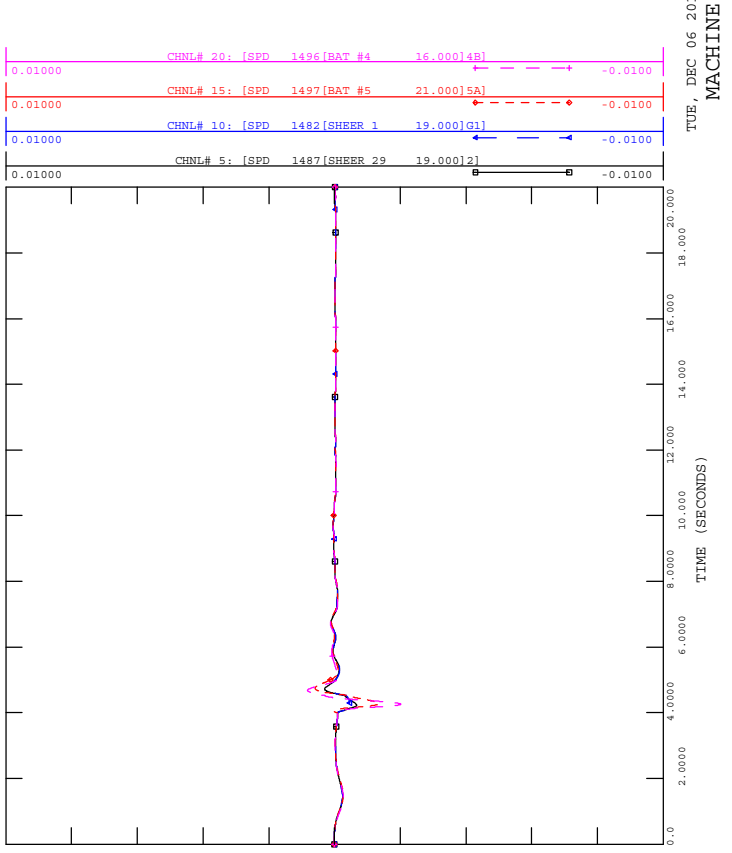


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:32

MACHINE SPEED

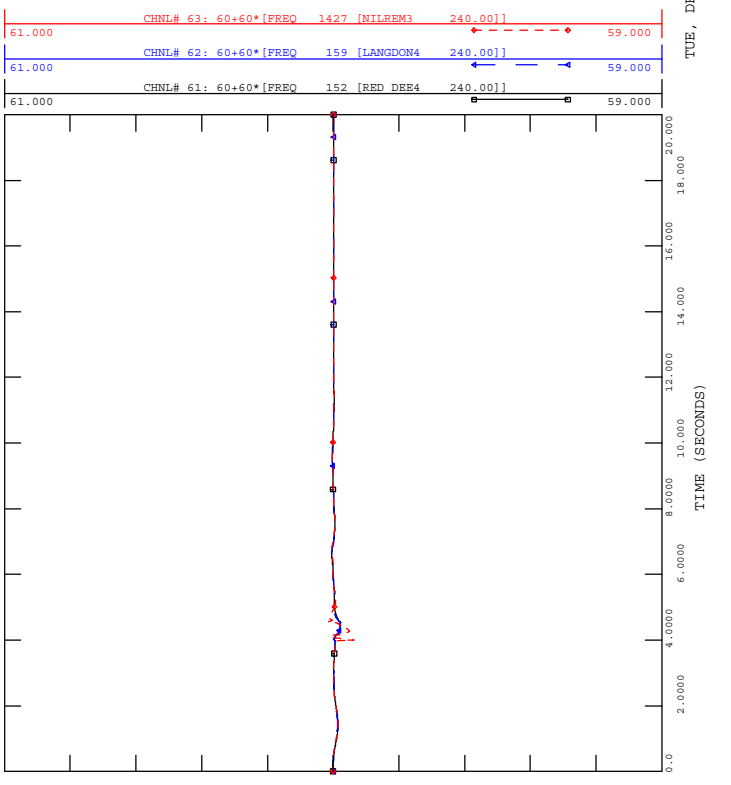


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.

TUE, DEC 06 2016 21:32

FREQUENCY

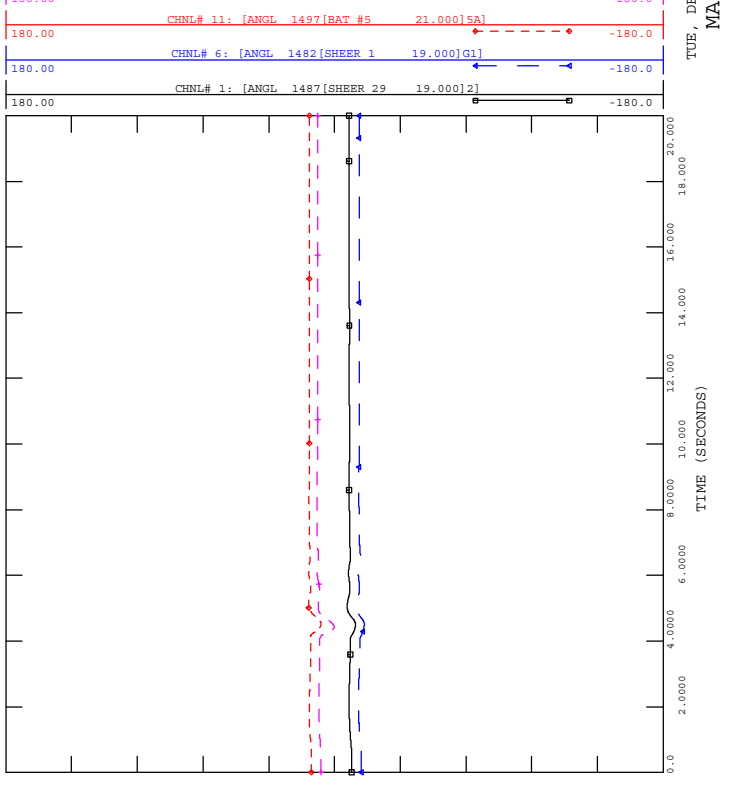


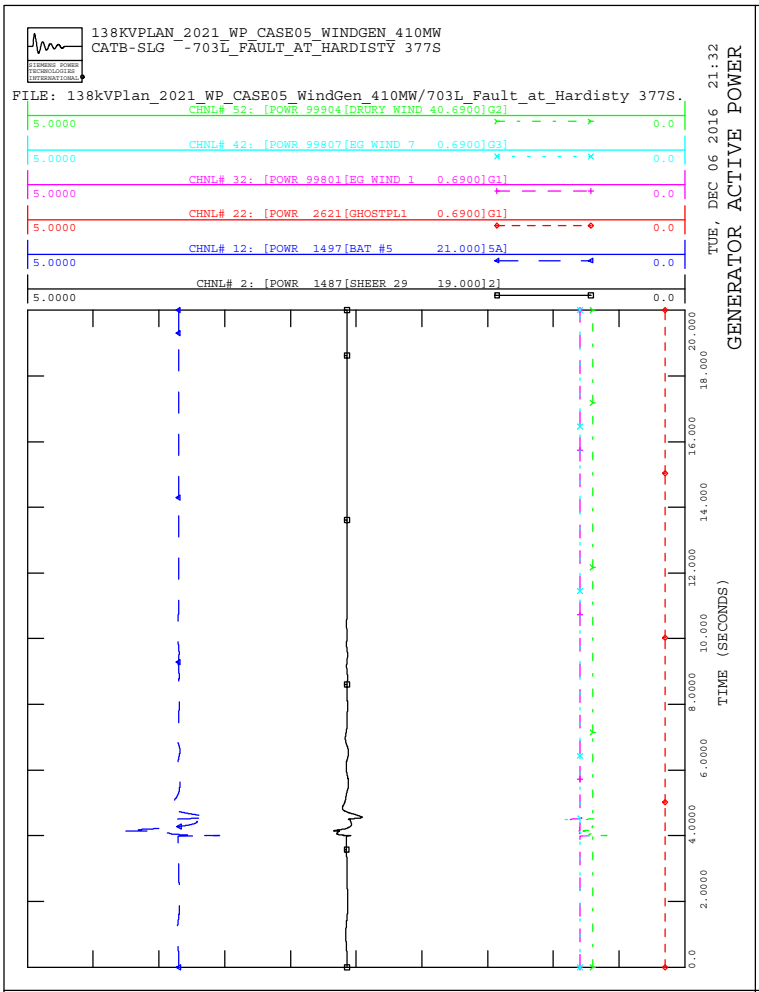
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

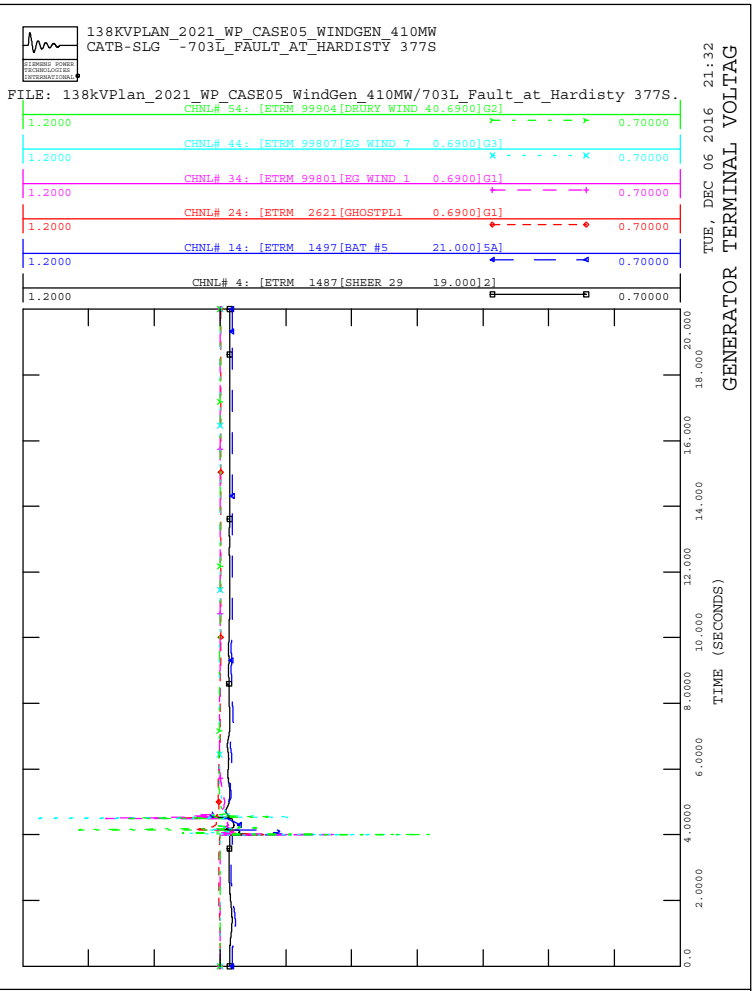
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.

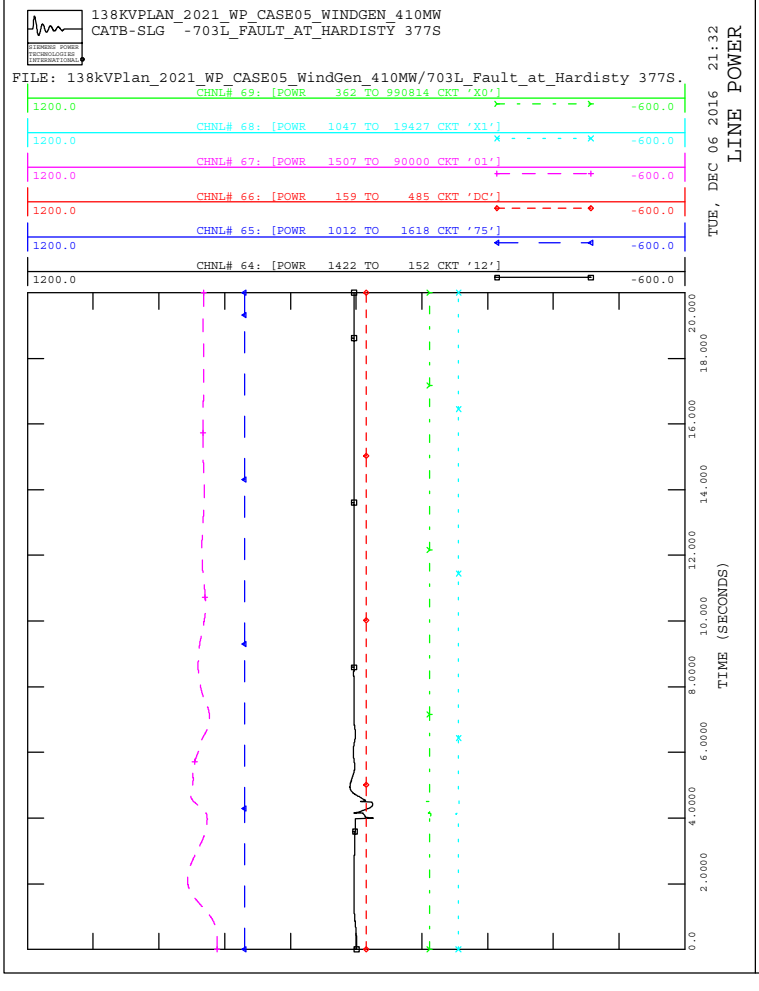
TUE, DEC 06 2016 21:32

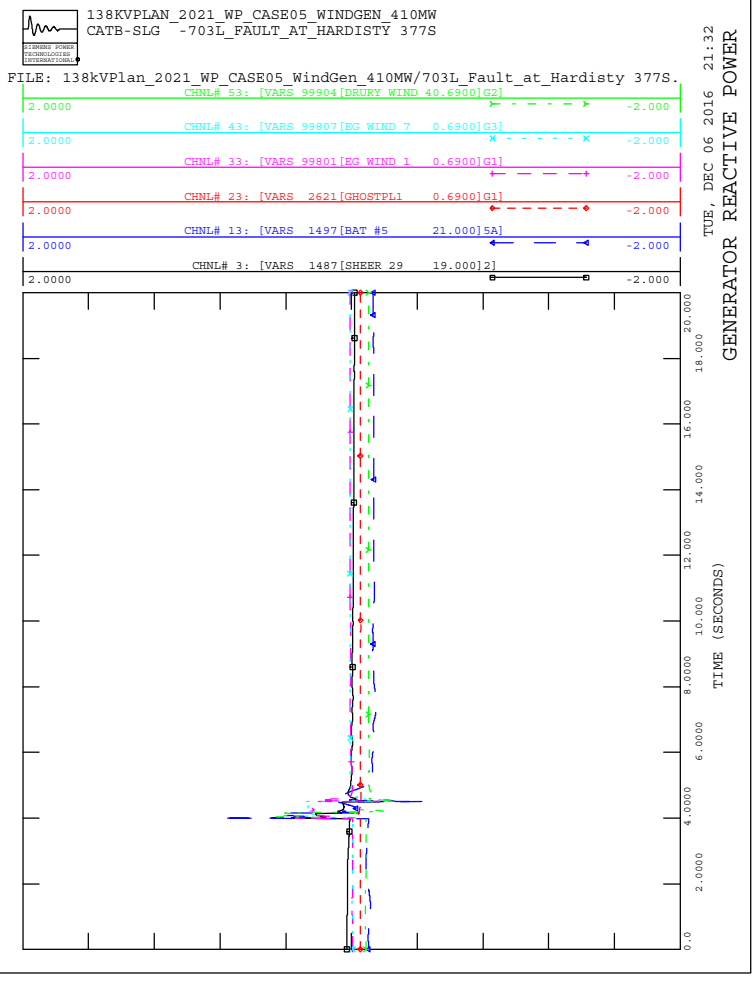
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

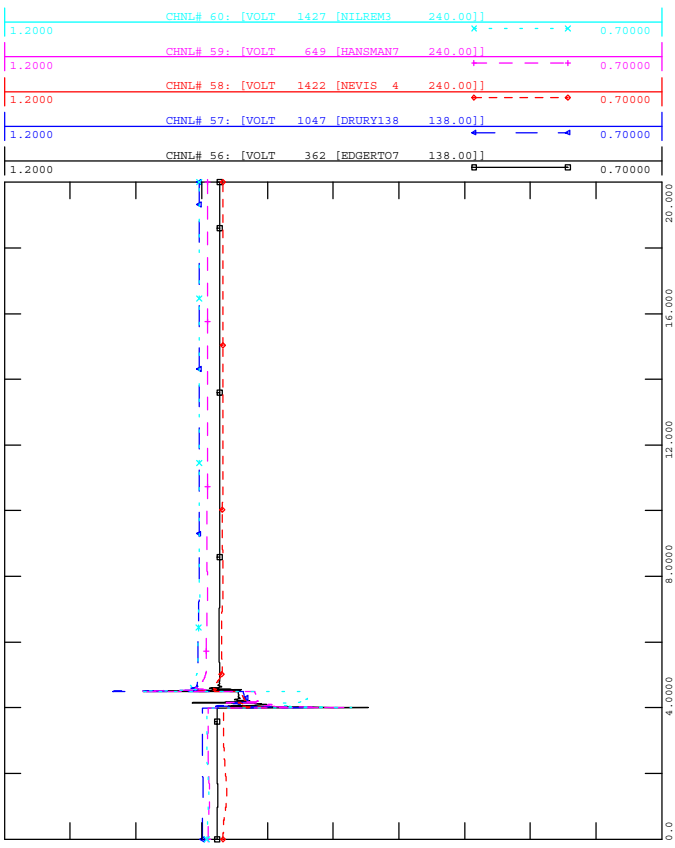

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hardisty 377S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:32

BUS VOLTAGE

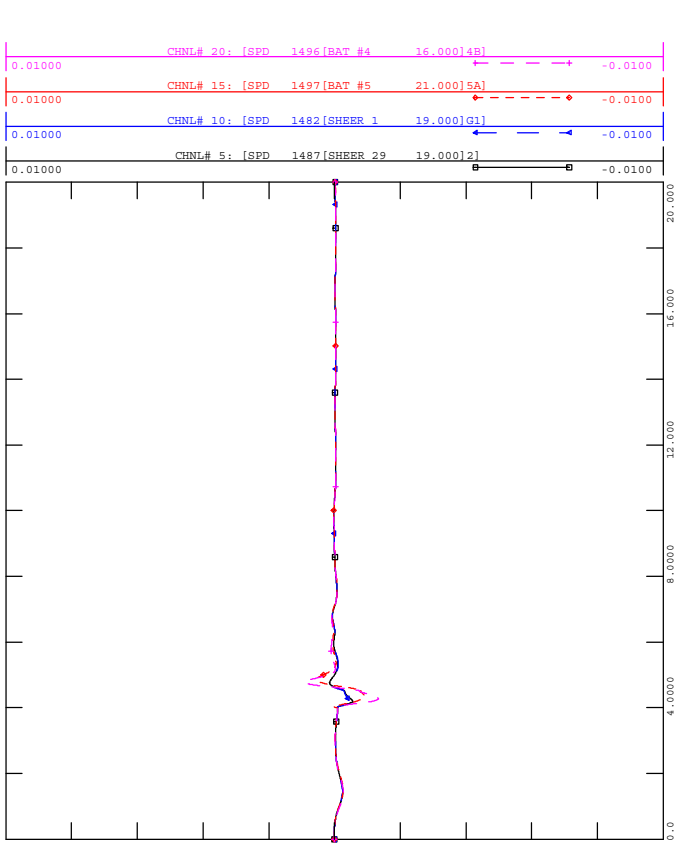


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:32

MACHINE SPEED

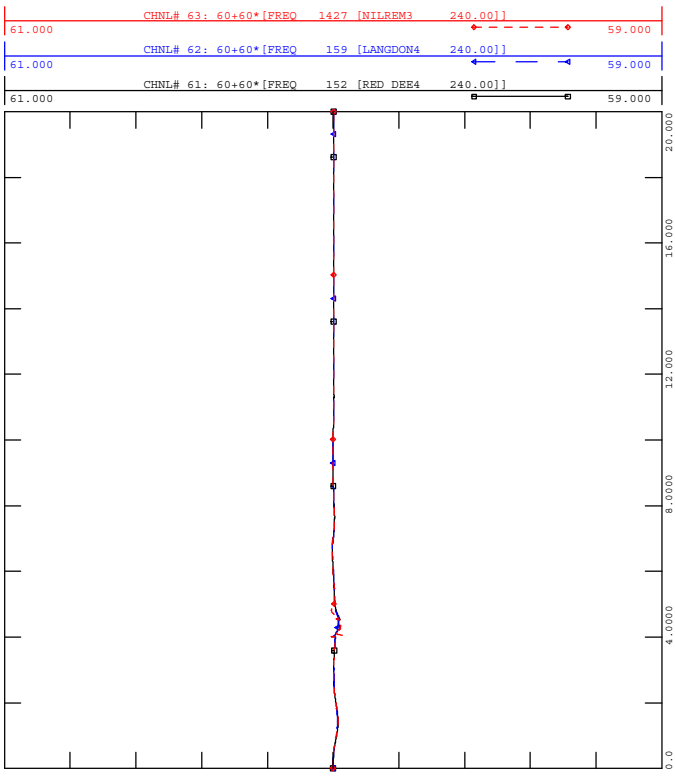


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:32

FREQUENCY

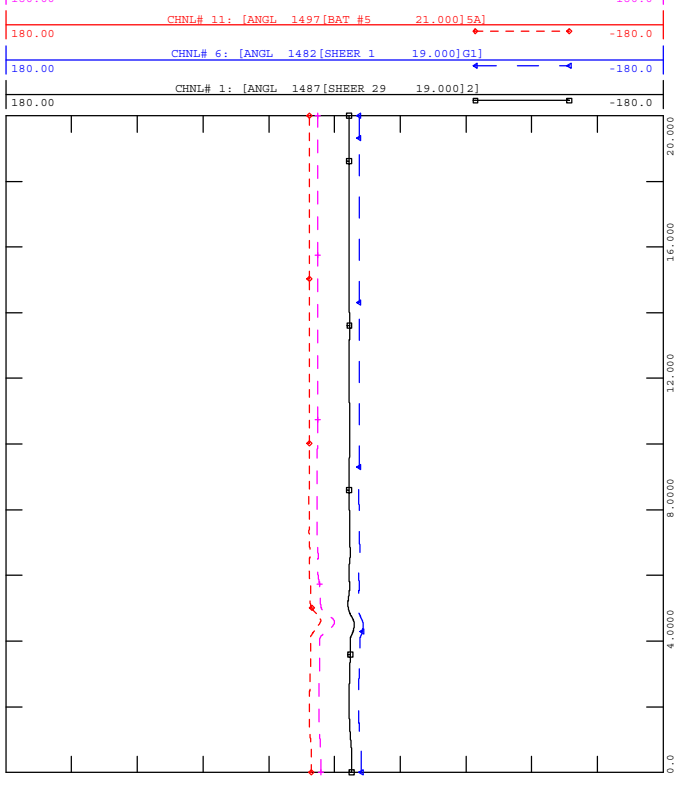


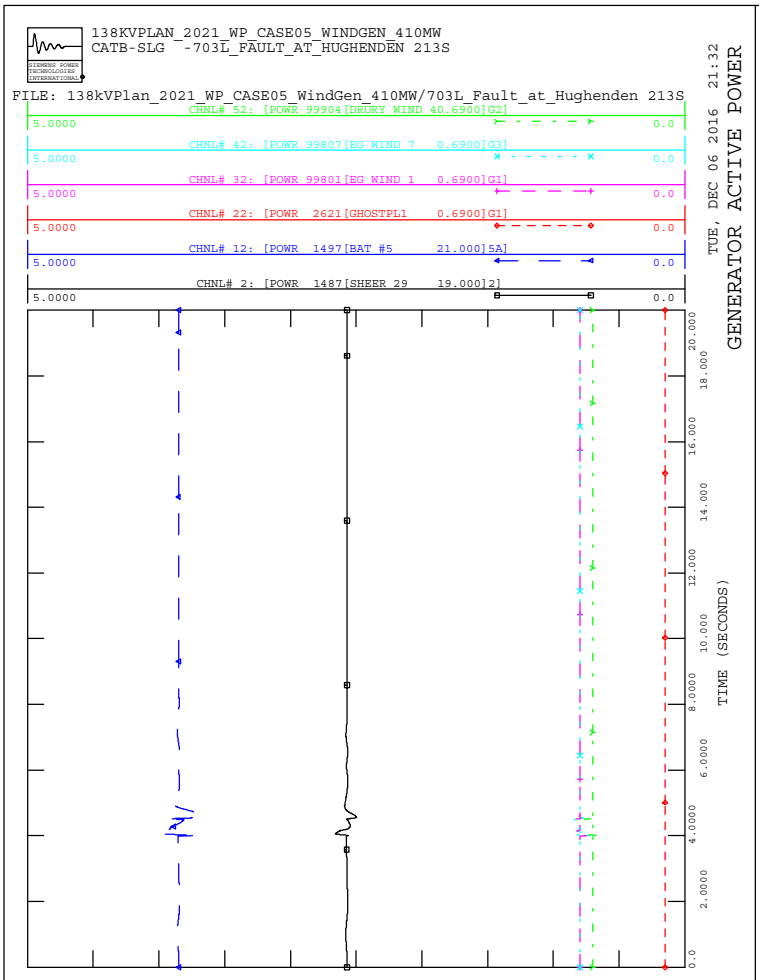
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

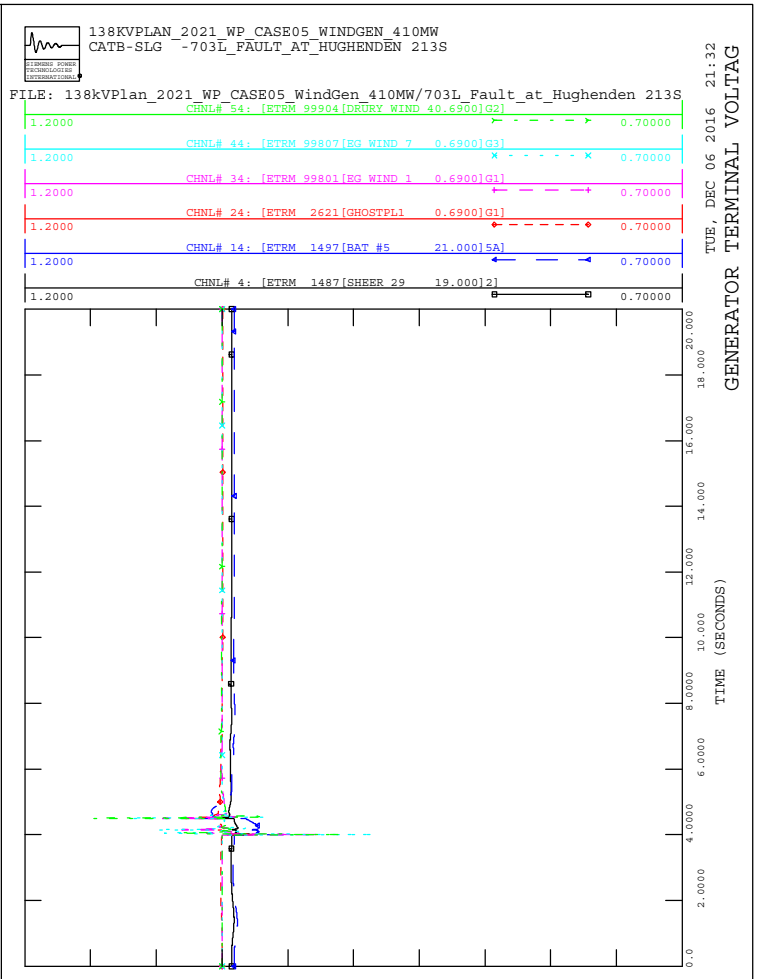
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S

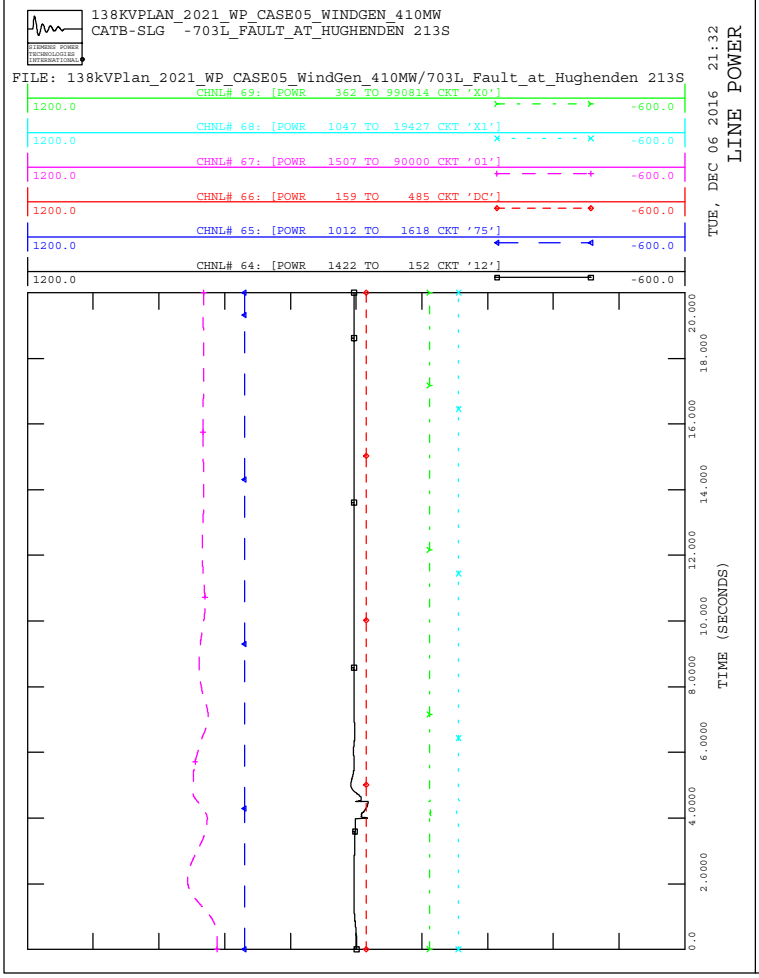
TUE, DEC 06 2016 21:32

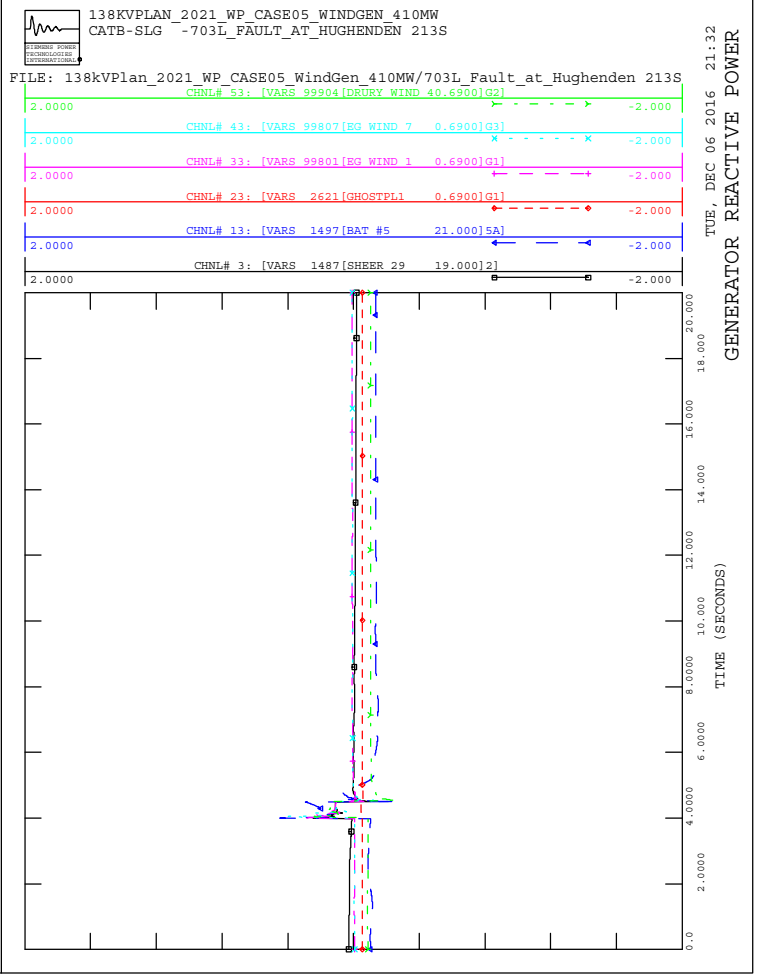
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

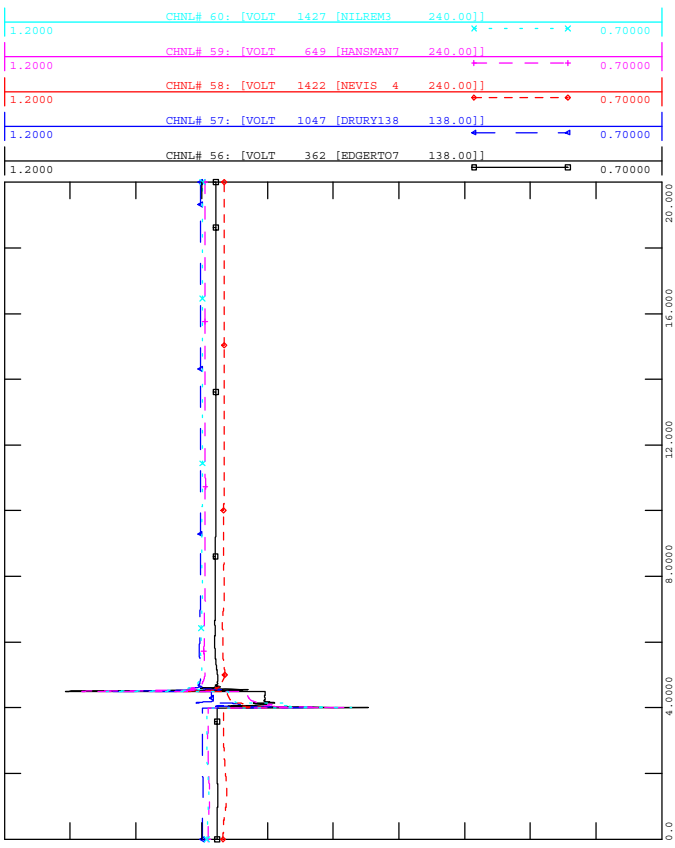

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/703L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:32

BUS VOLTAGE

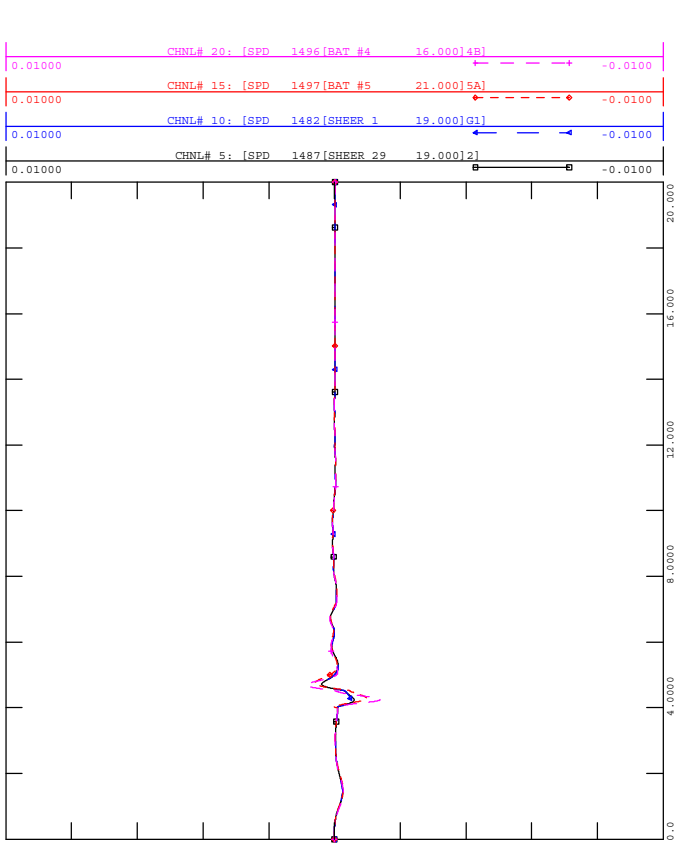


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:32

MACHINE SPEED

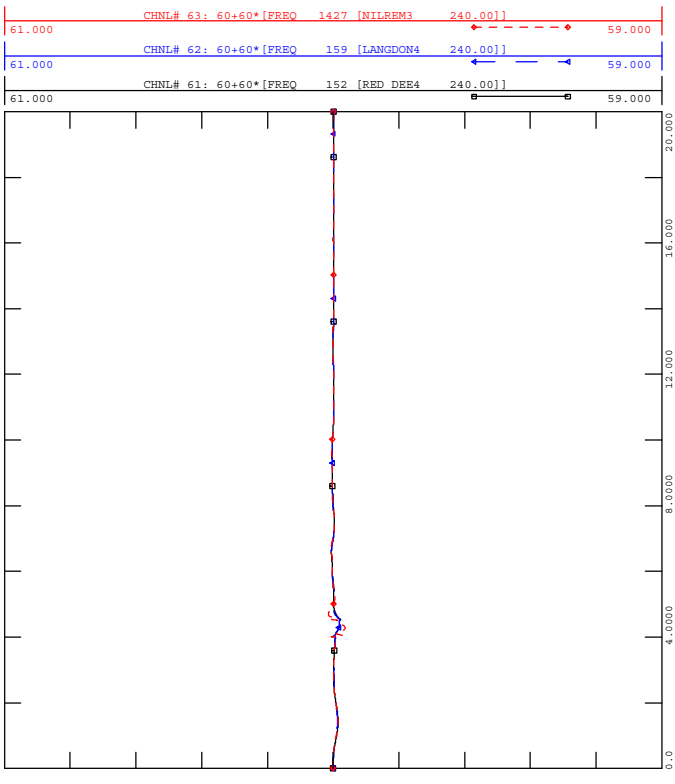


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S

TUE, DEC 06 2016 21:32

FREQUENCY

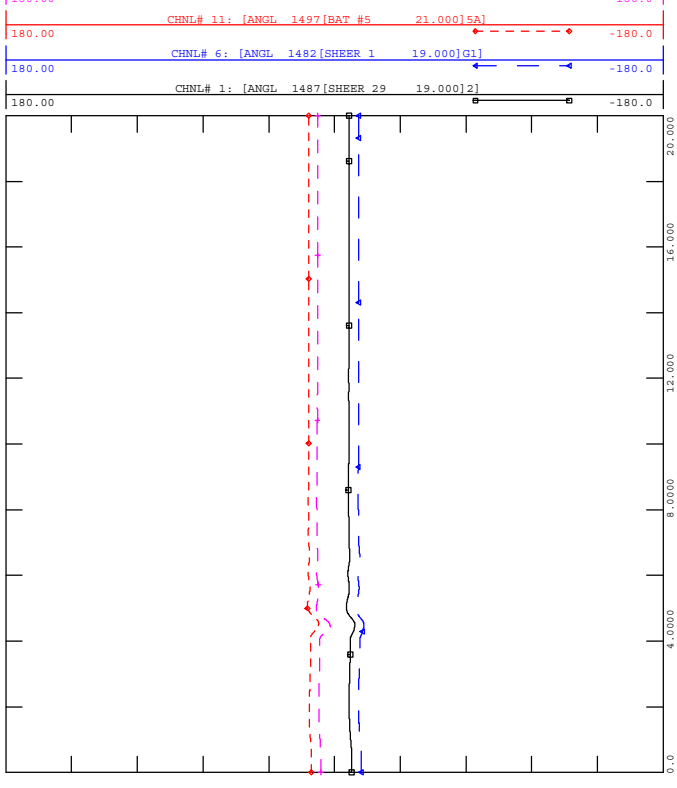


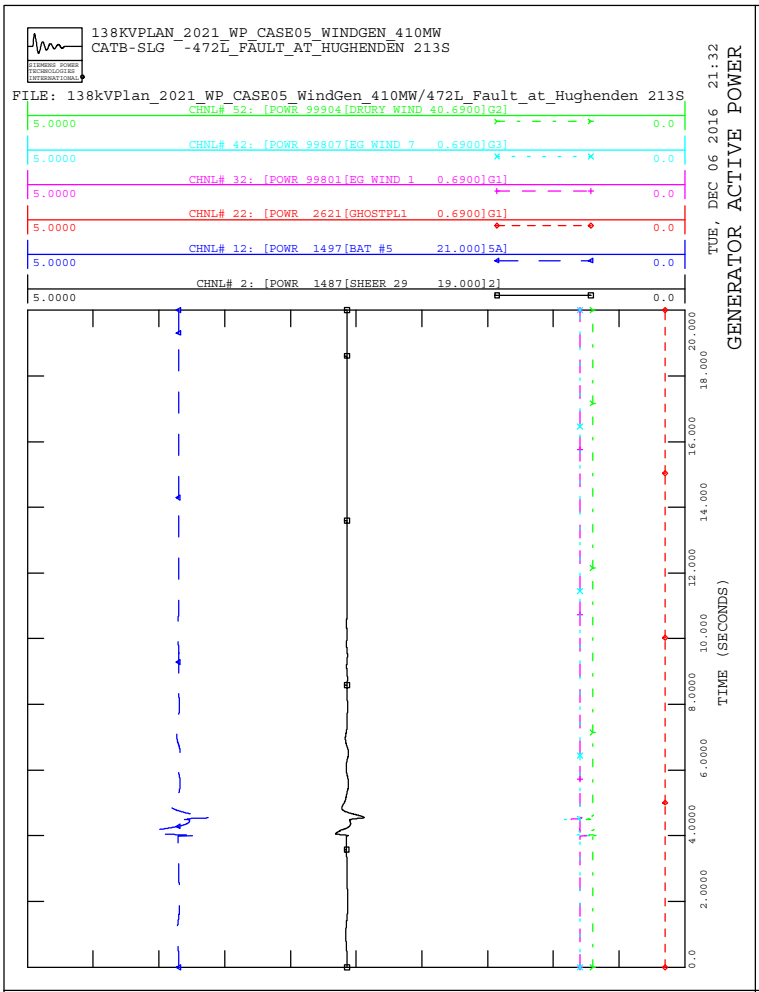
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

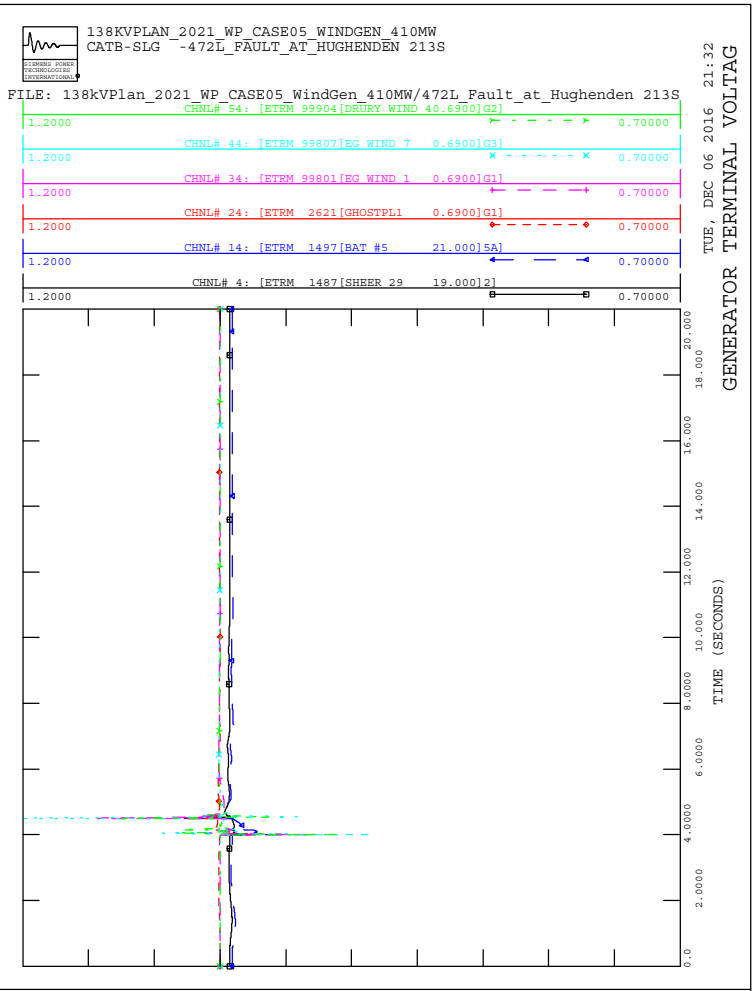
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S

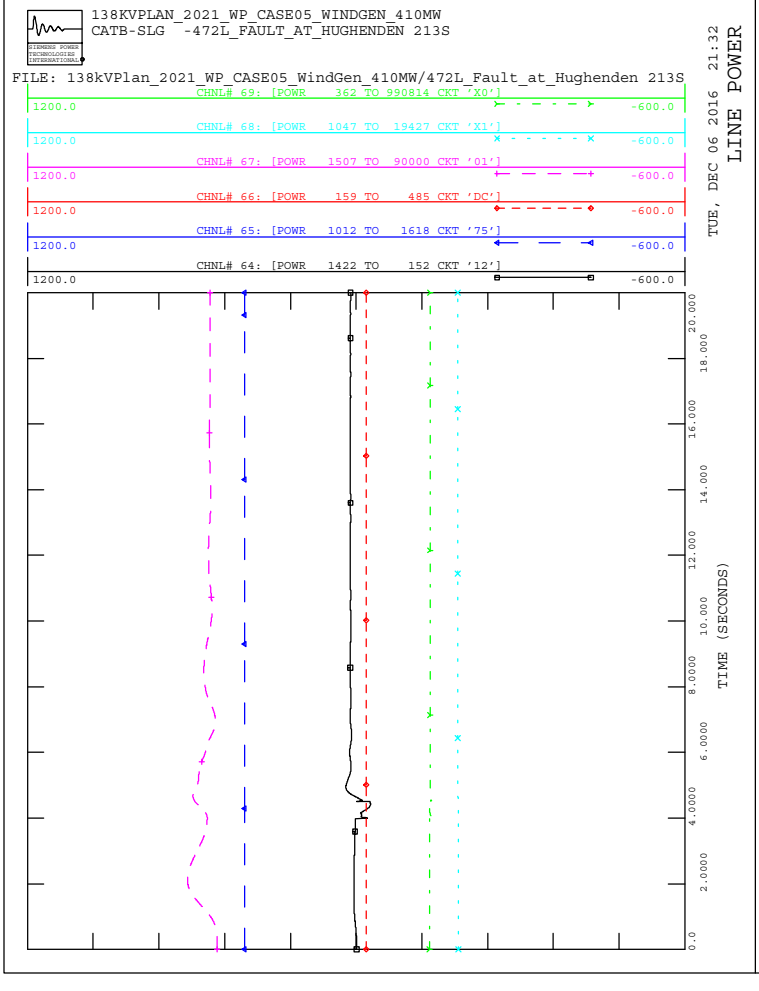
TUE, DEC 06 2016 21:32

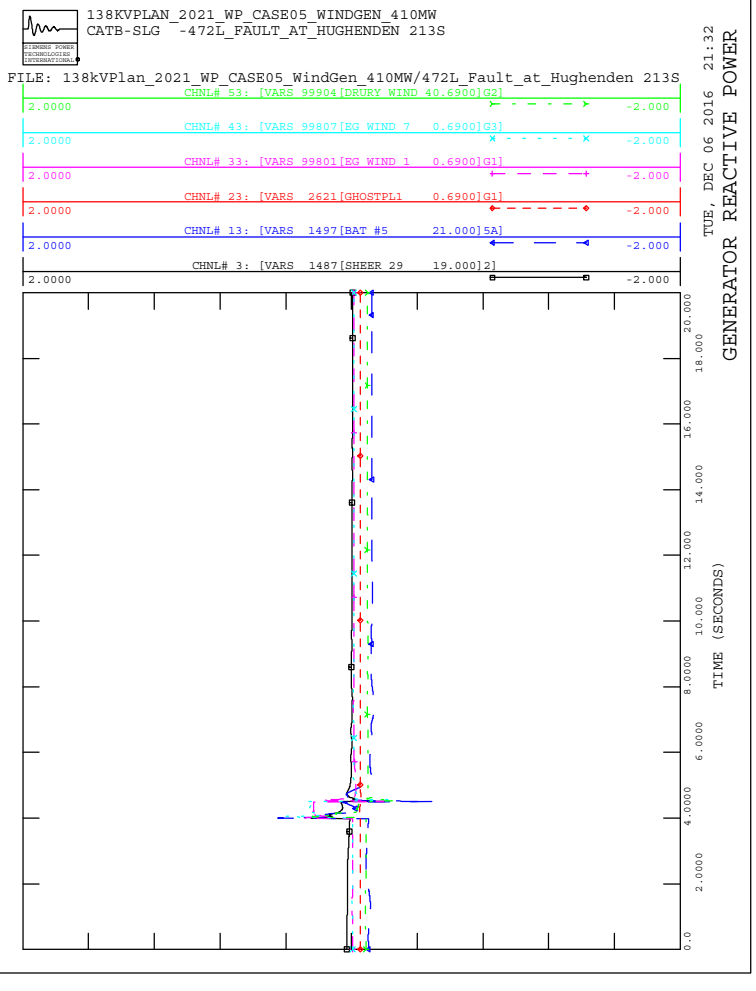
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

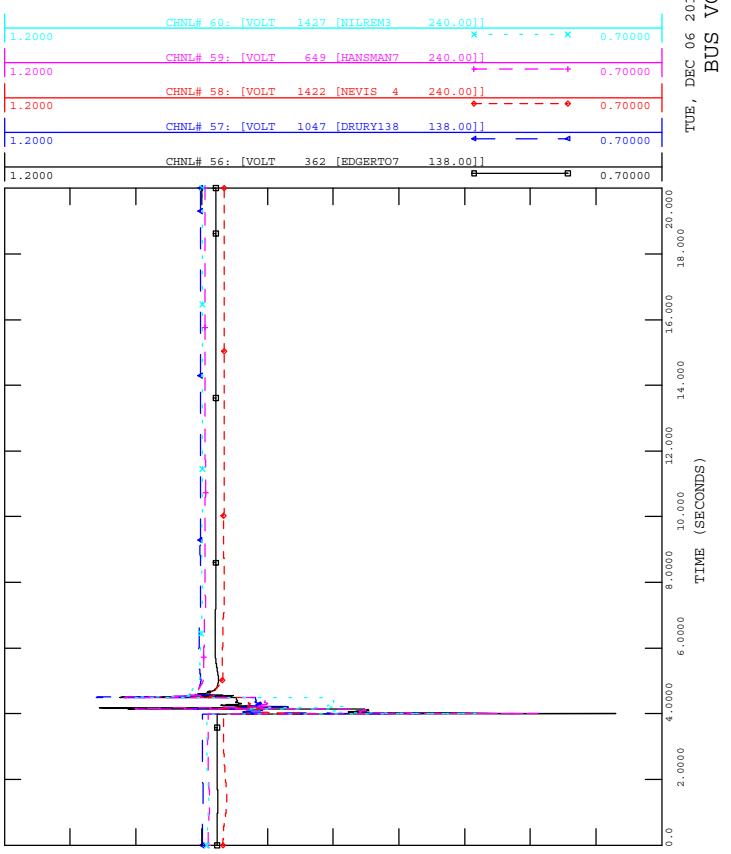

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:32

BUS VOLTAGE

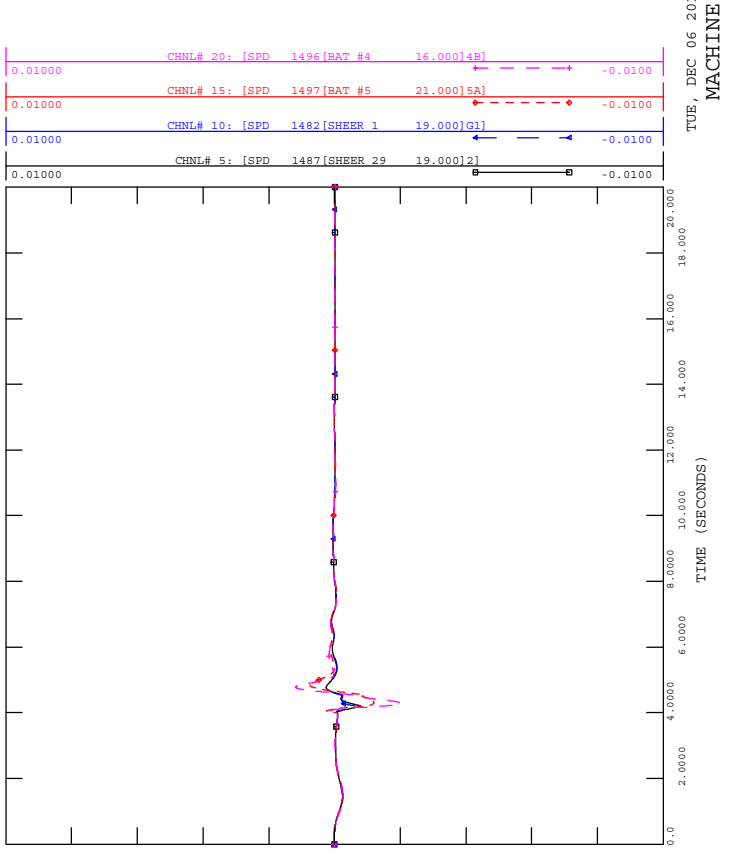


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:32

MACHINE SPEED

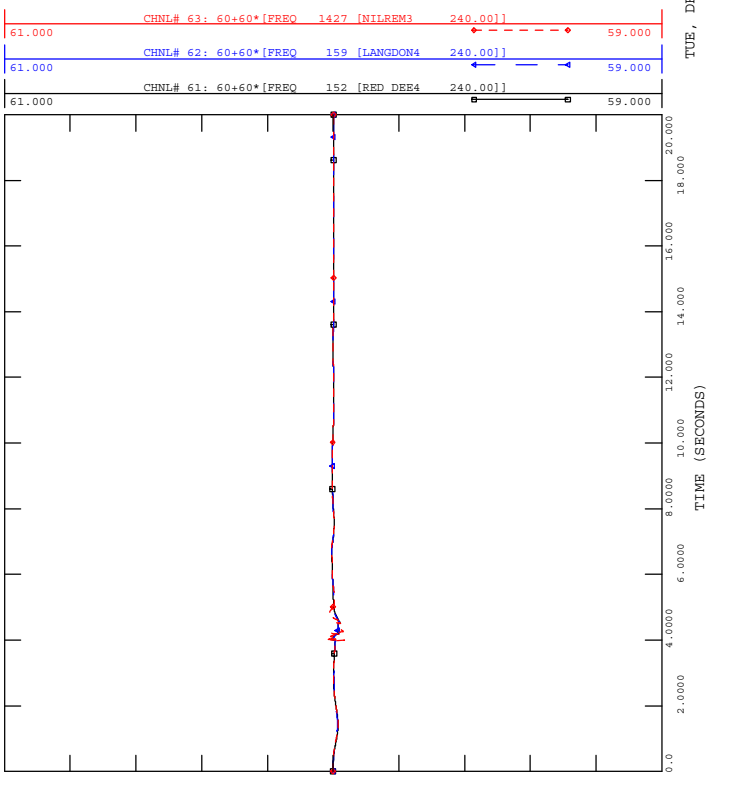


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:32

FREQUENCY

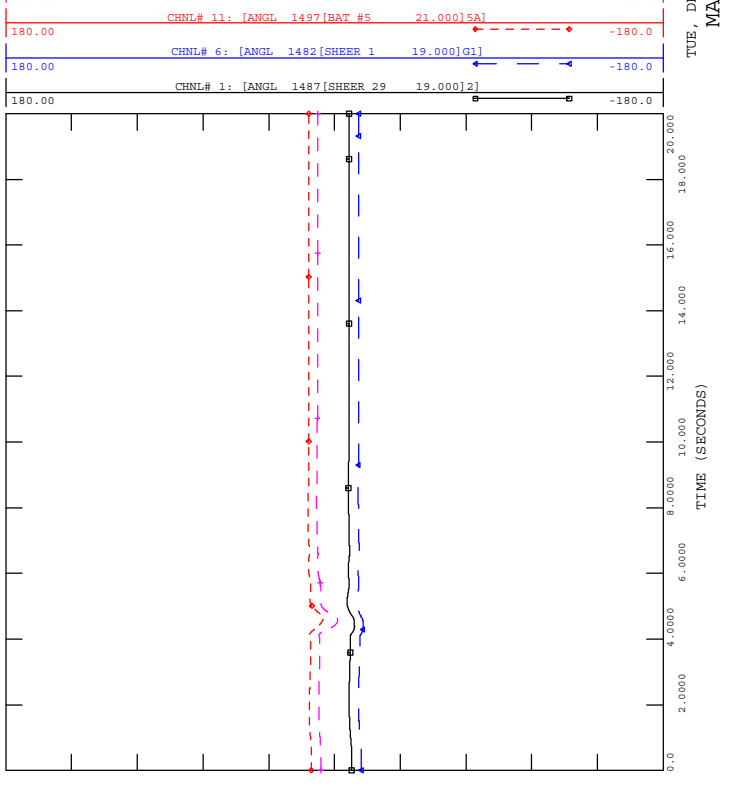


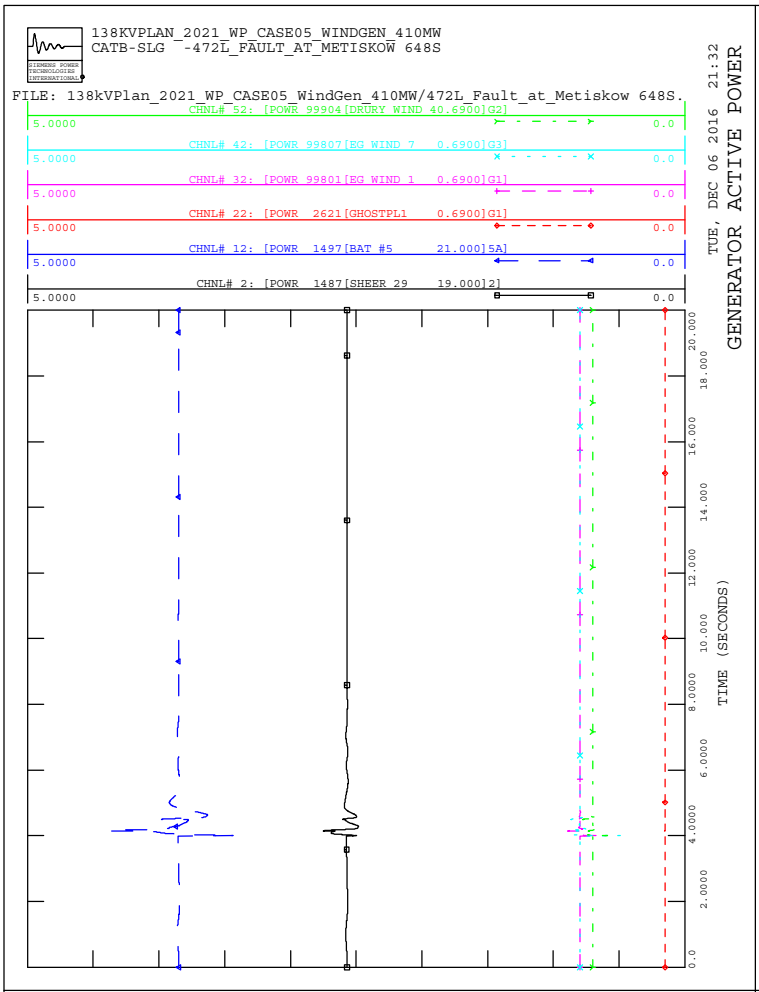
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

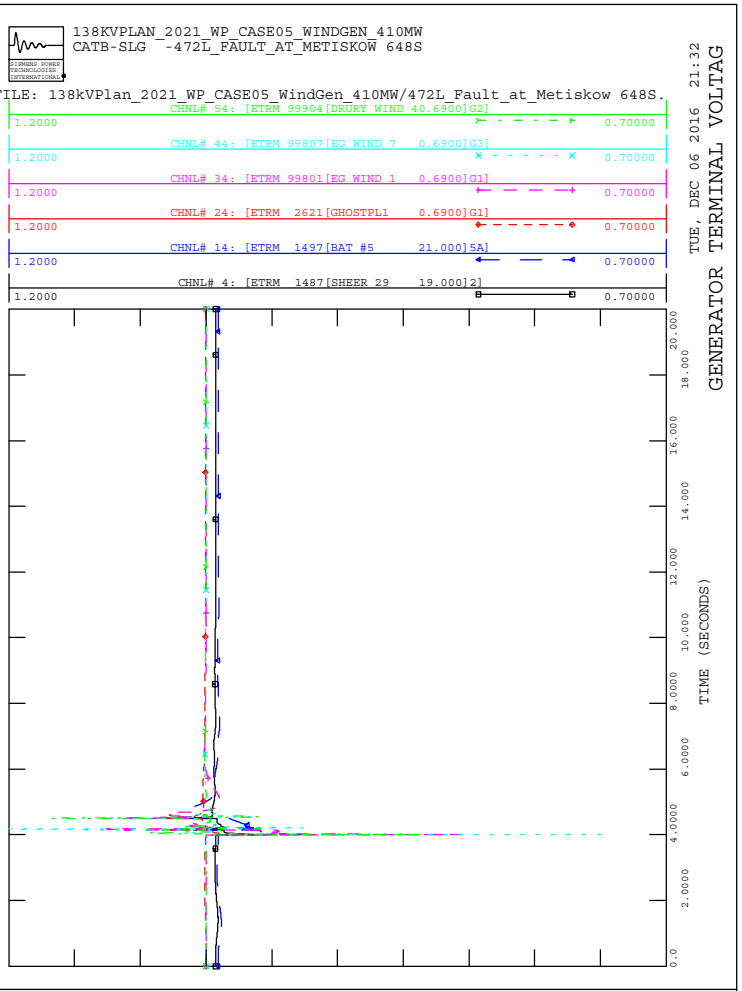
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.

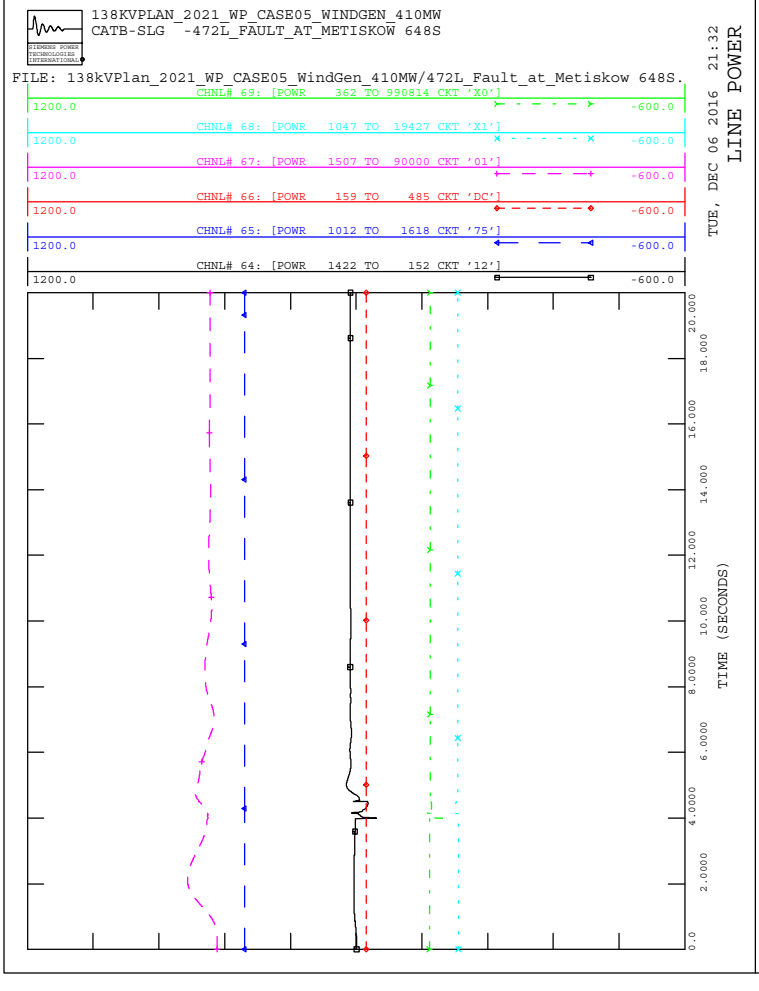
TUE, DEC 06 2016 21:32

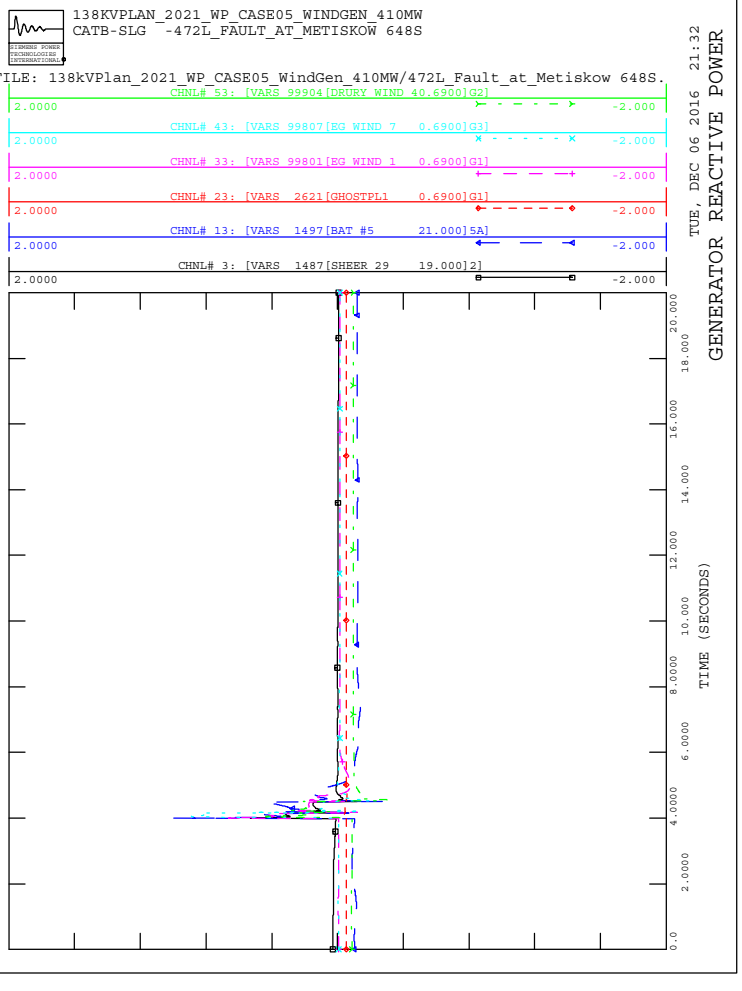
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

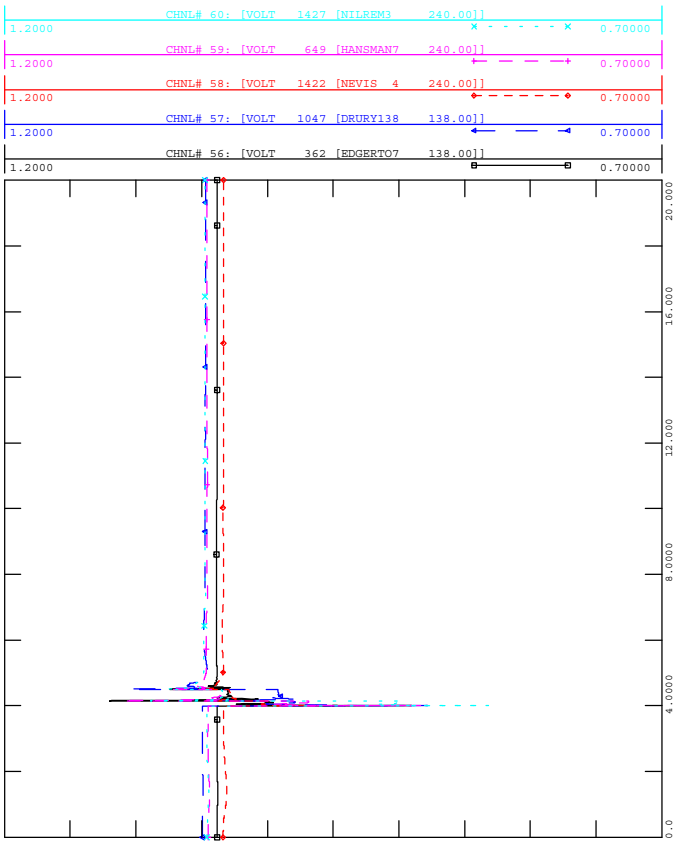

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:32

BUS VOLTAGE

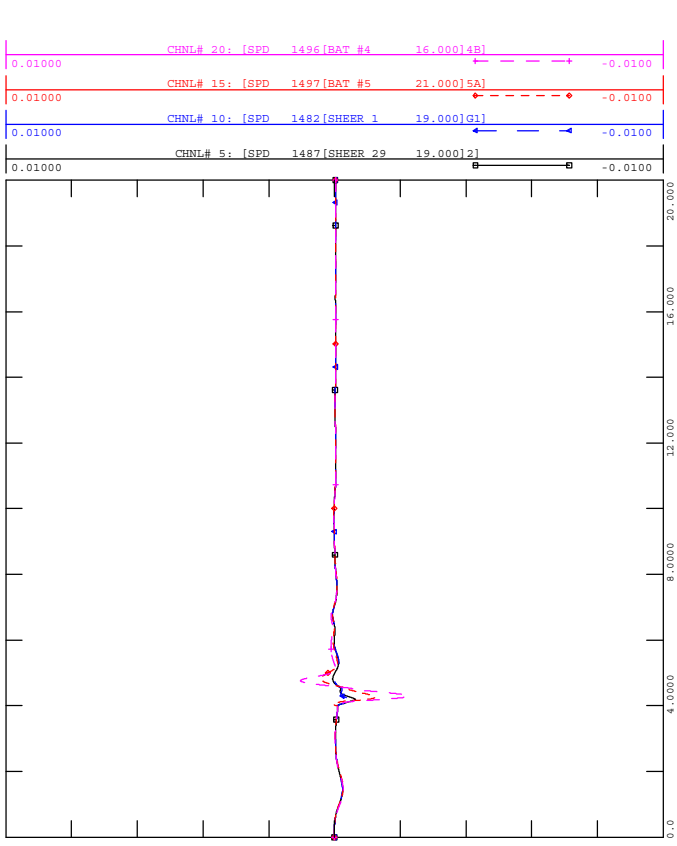


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:32

MACHINE SPEED

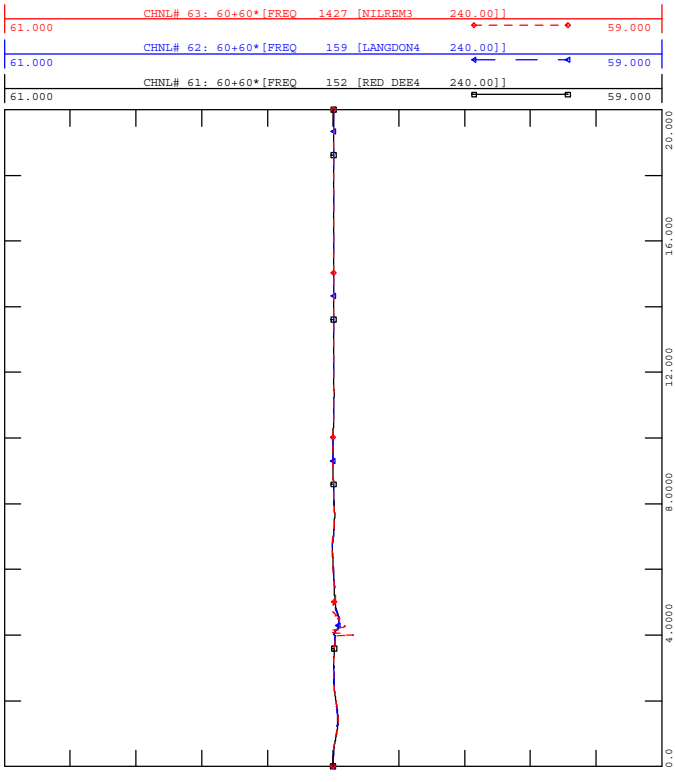


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

TUE, DEC 06 2016 21:32

FREQUENCY

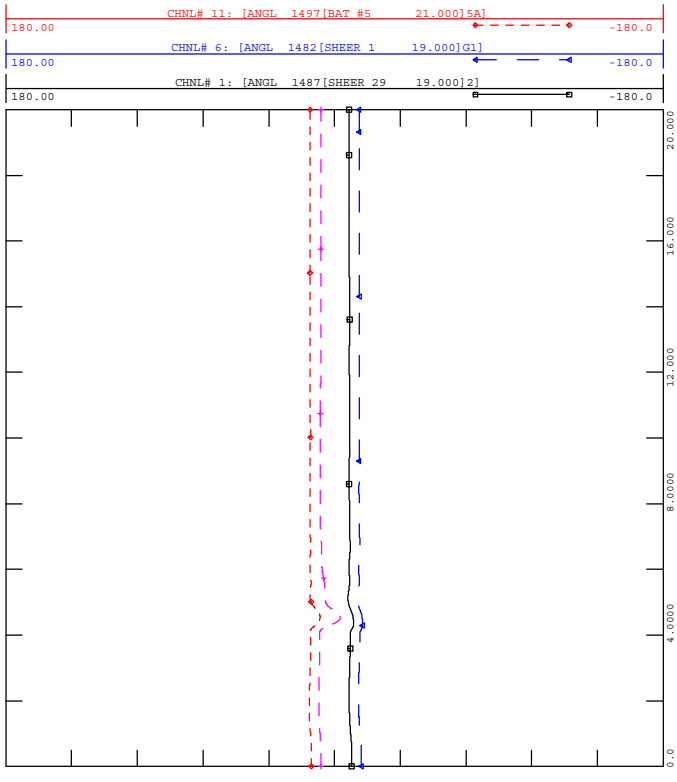


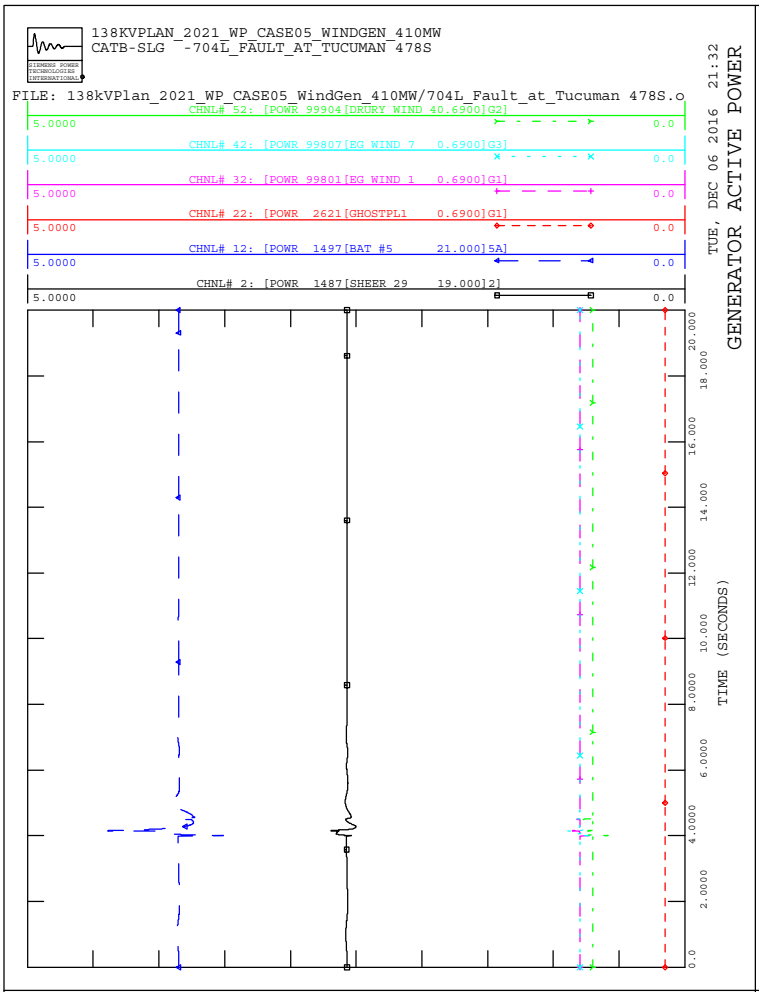
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

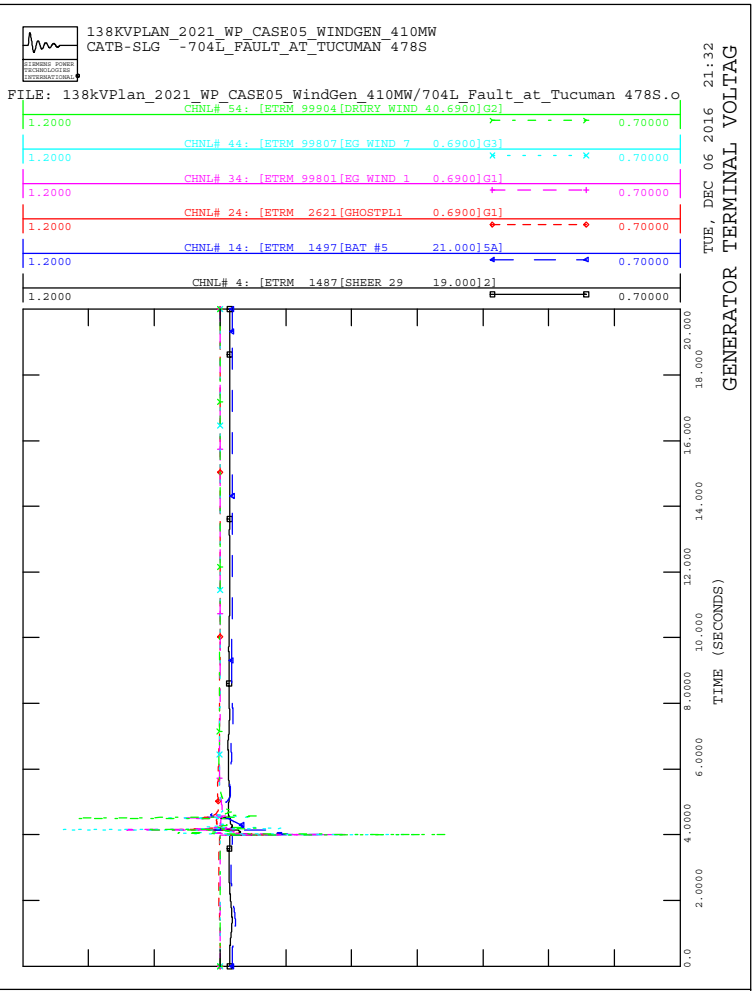
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o

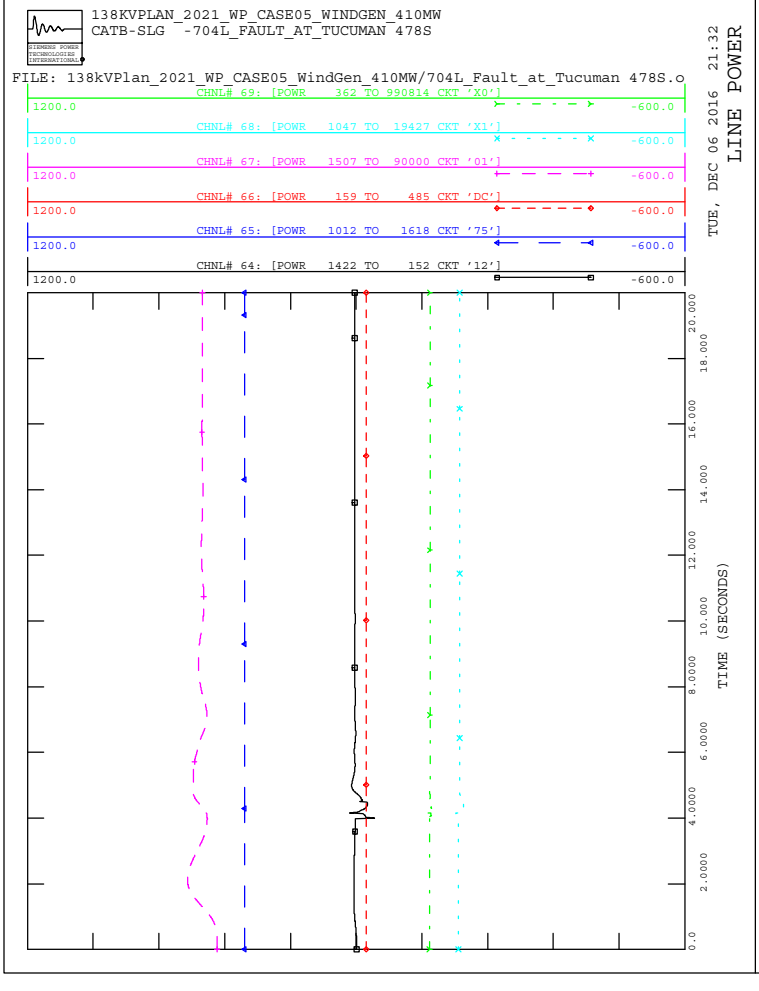
TUE, DEC 06 2016 21:32

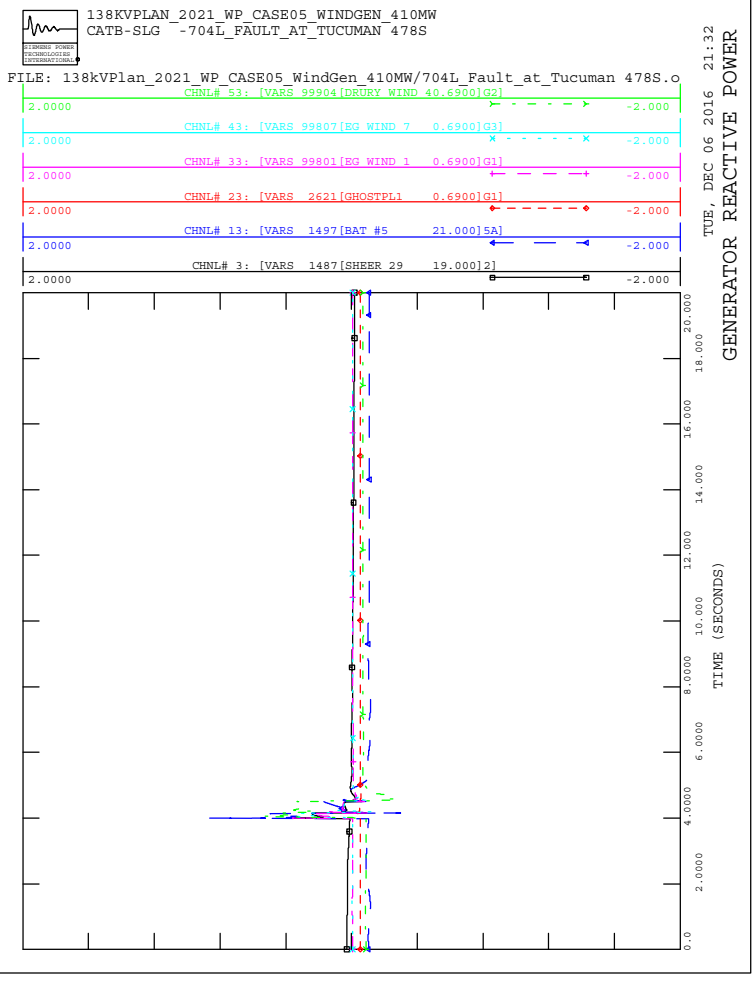
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

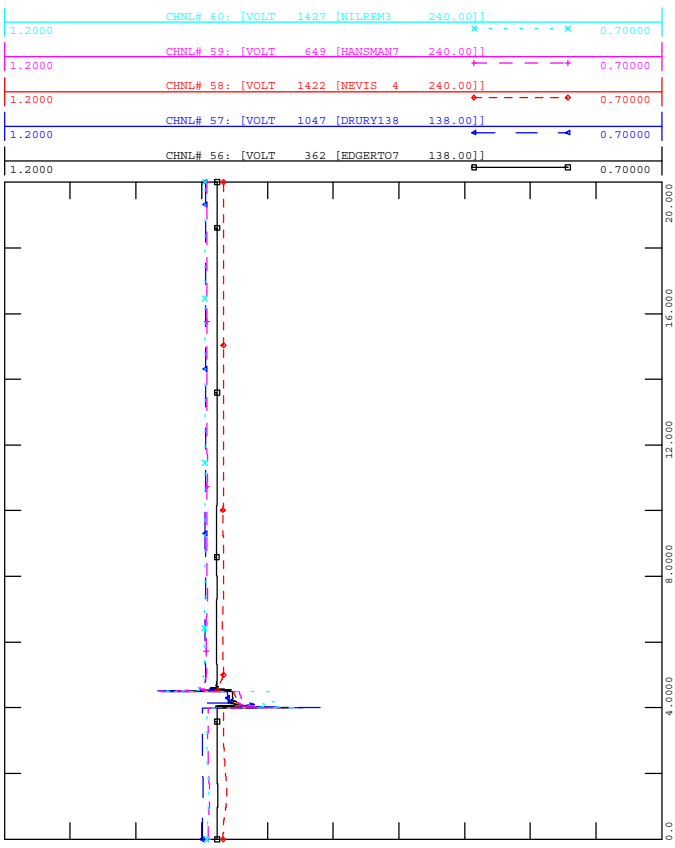

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Tucuman 478S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S

TUE, DEC 06 2016 21:32

BUS VOLTAGE

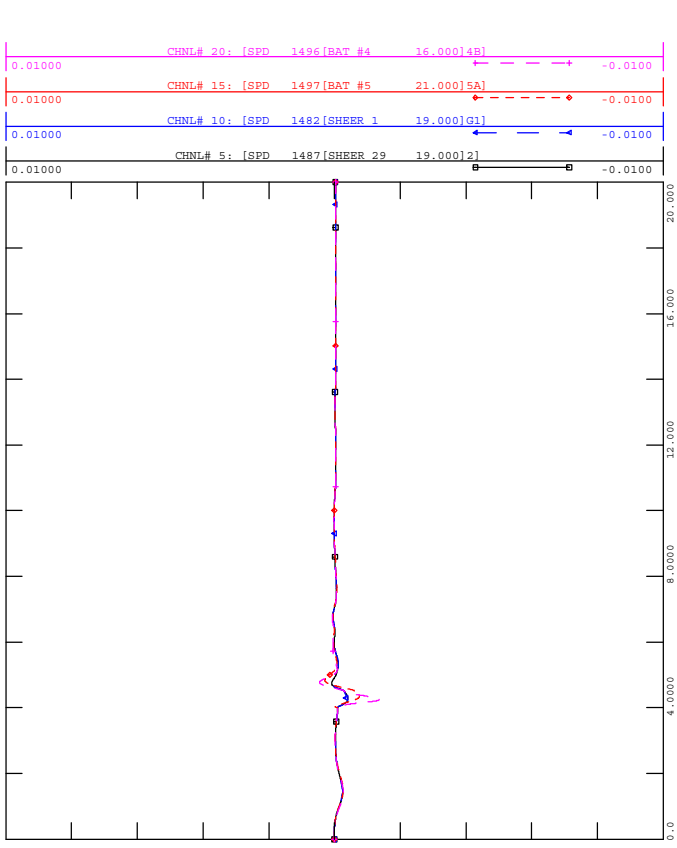


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S

TUE, DEC 06 2016 21:32

MACHINE SPEED

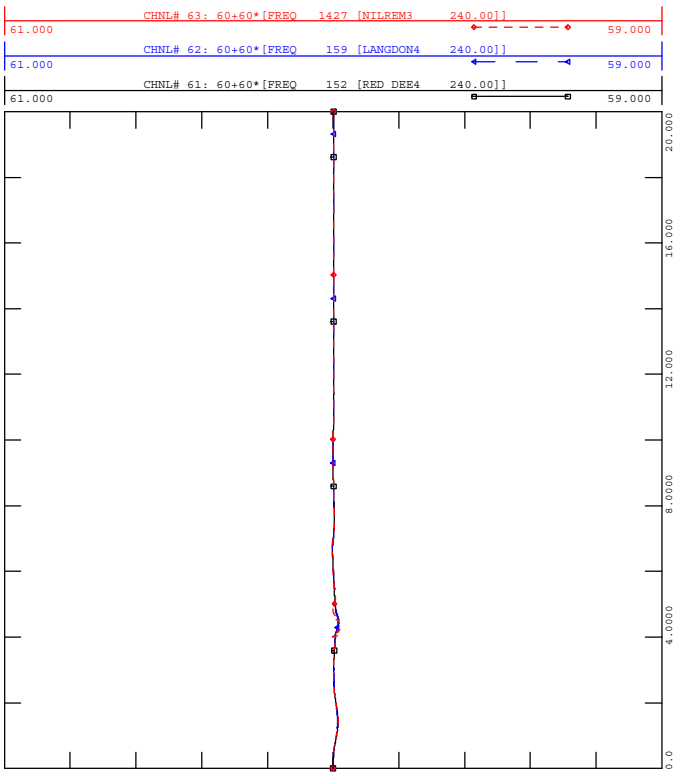


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S

TUE, DEC 06 2016 21:32

FREQUENCY

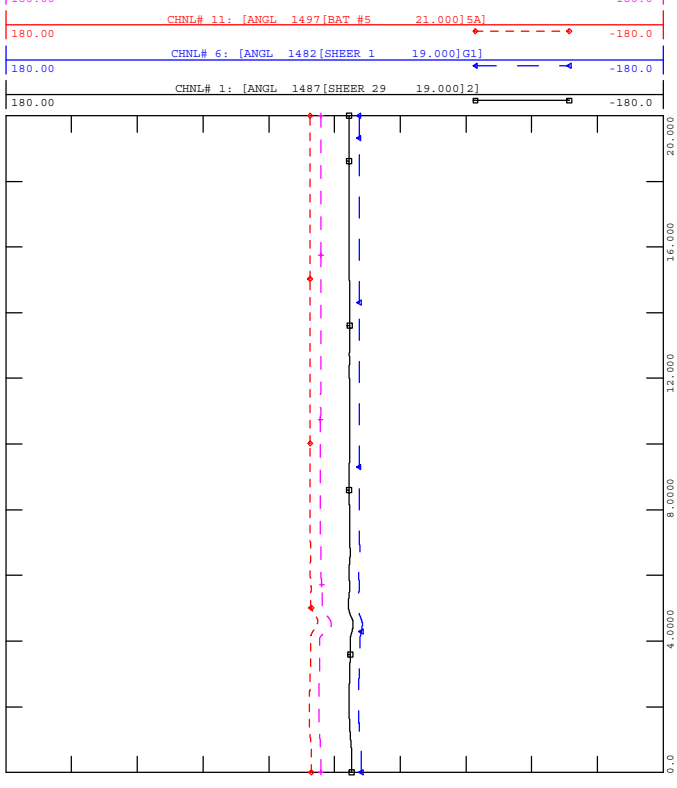


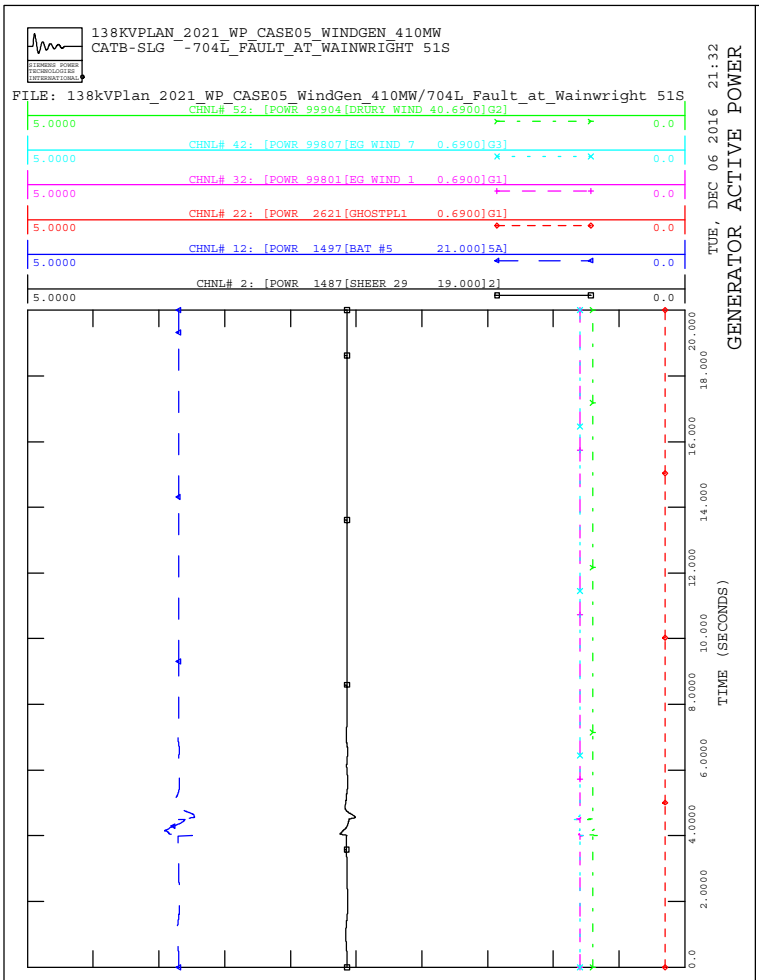
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S

TUE, DEC 06 2016 21:32

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
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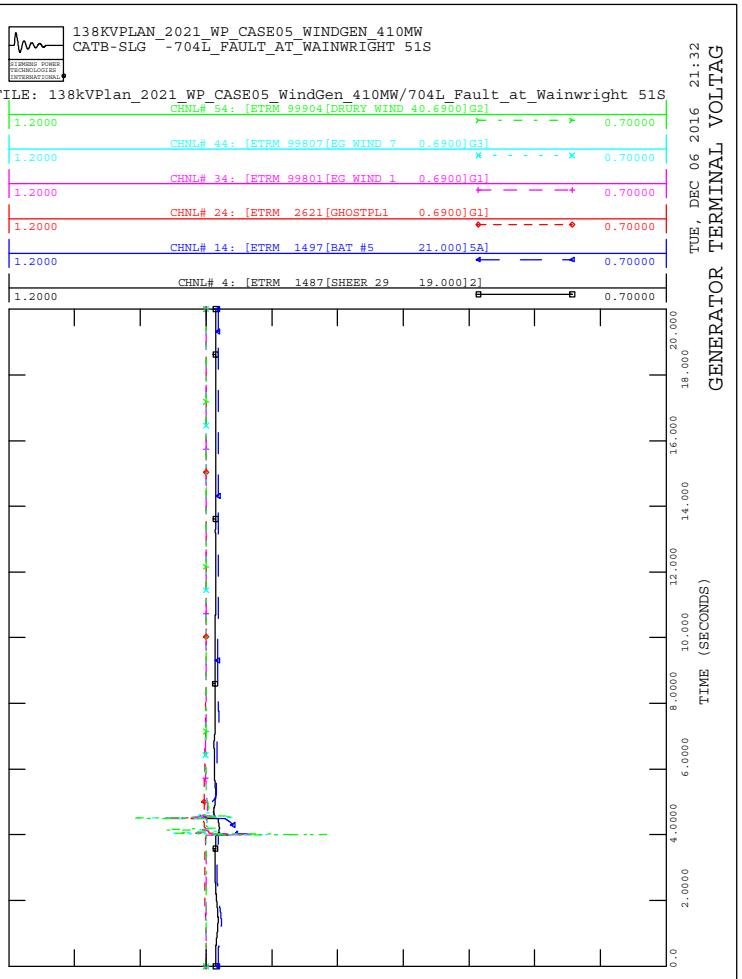
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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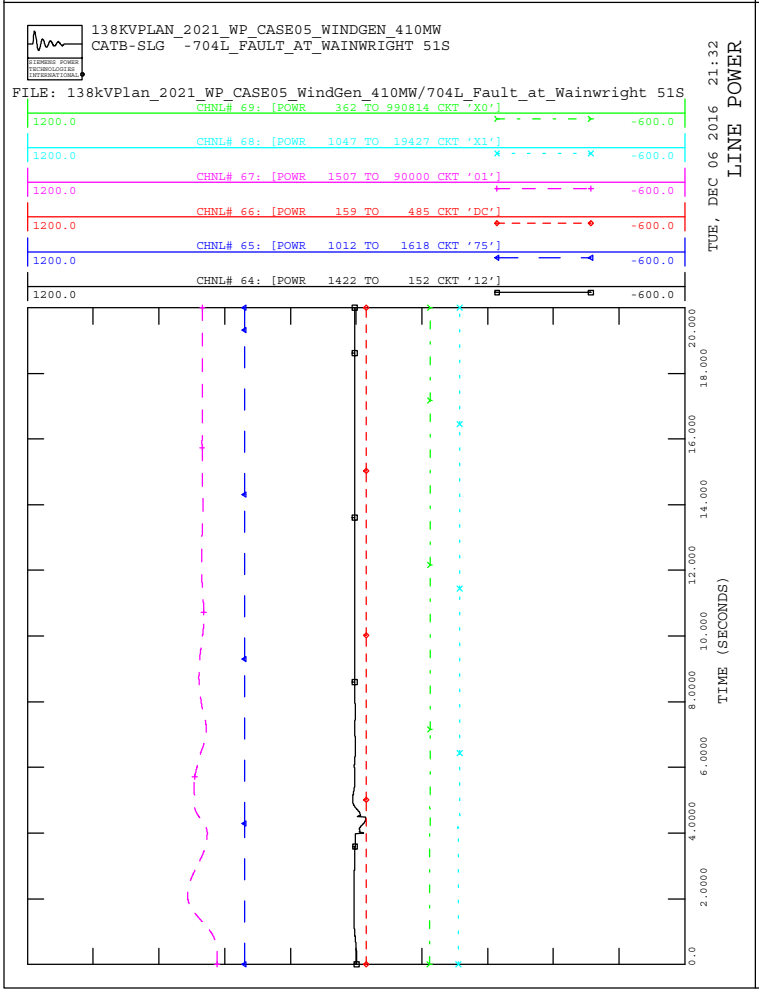
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
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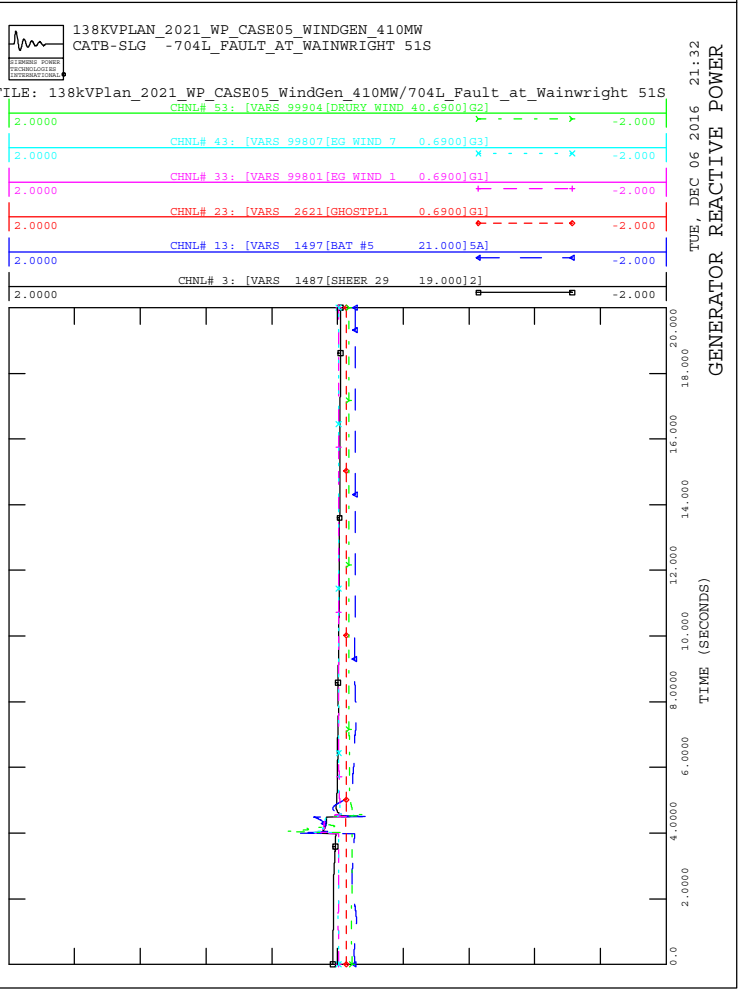
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/704L_Fault_at_Wainwright 51S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
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138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:32

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:32

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:32

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:32

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

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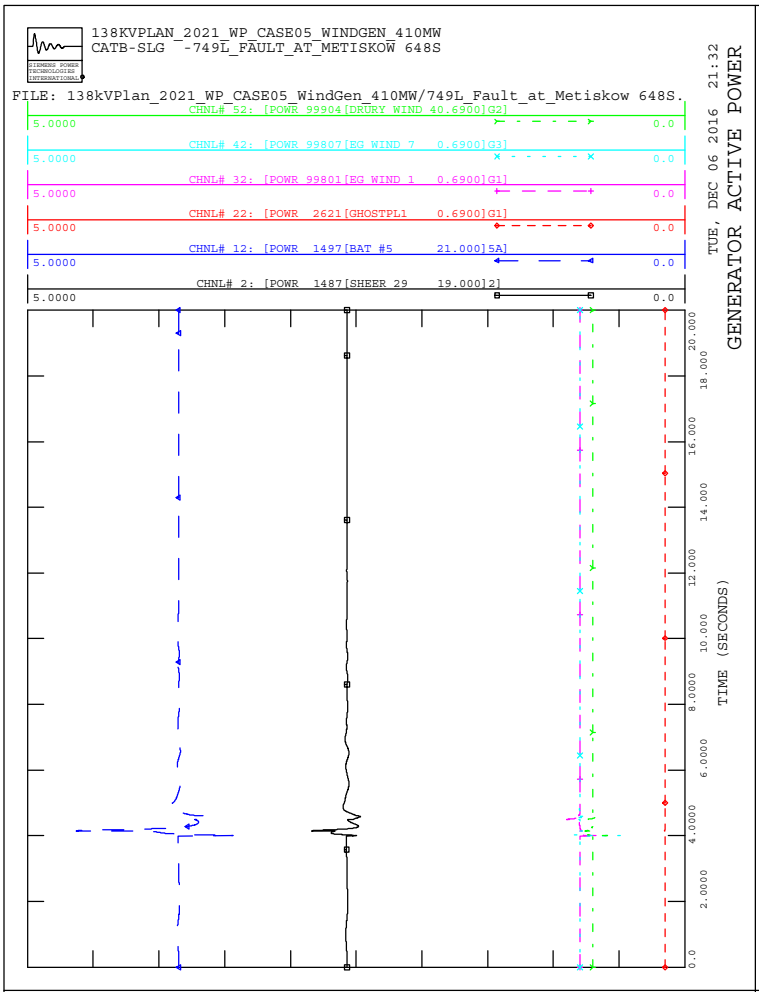
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
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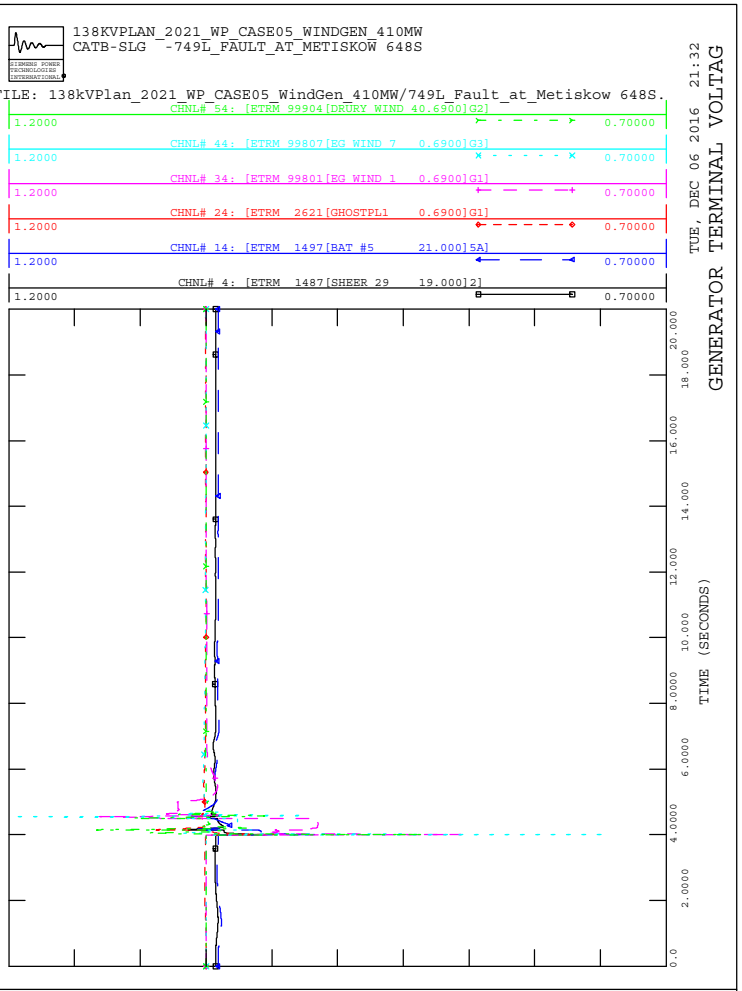
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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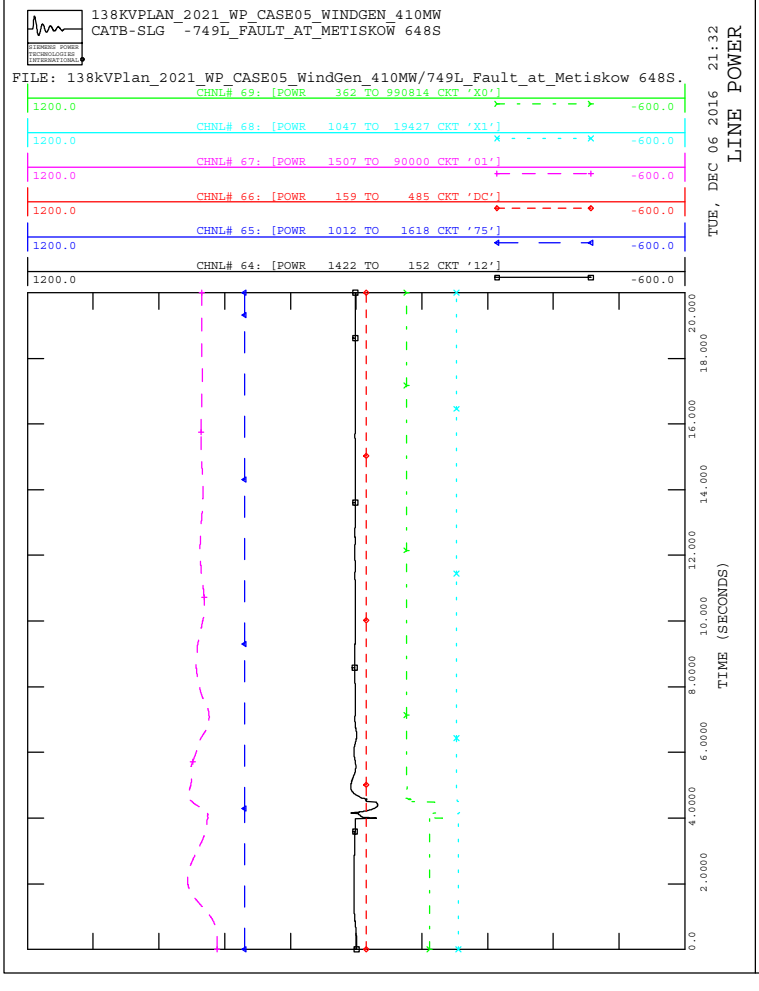
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
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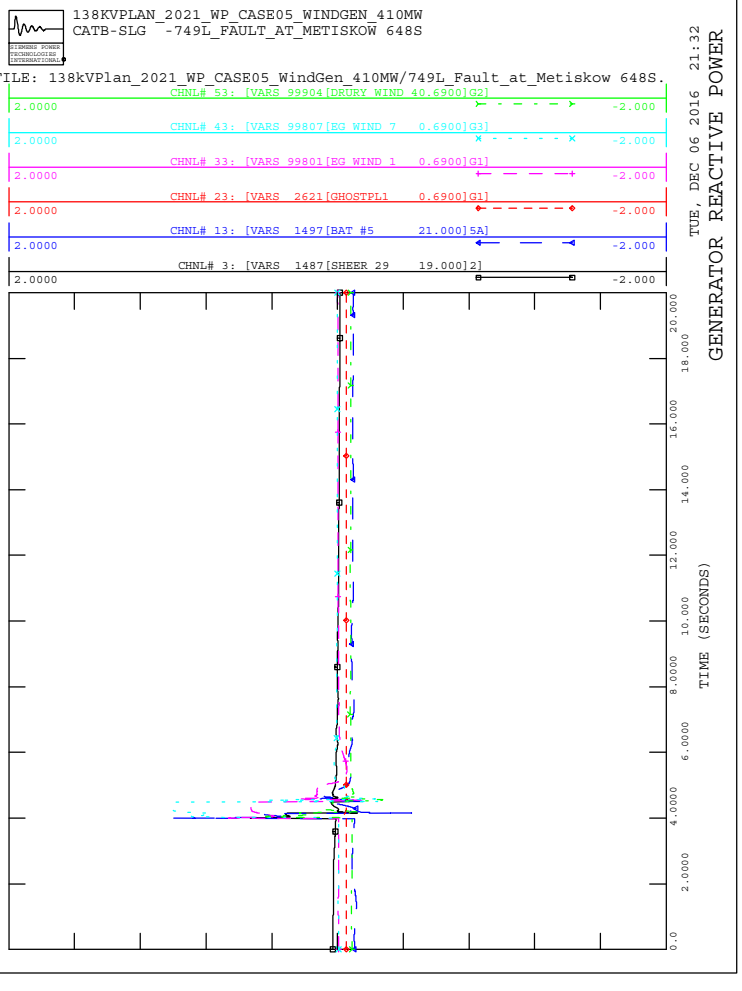
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
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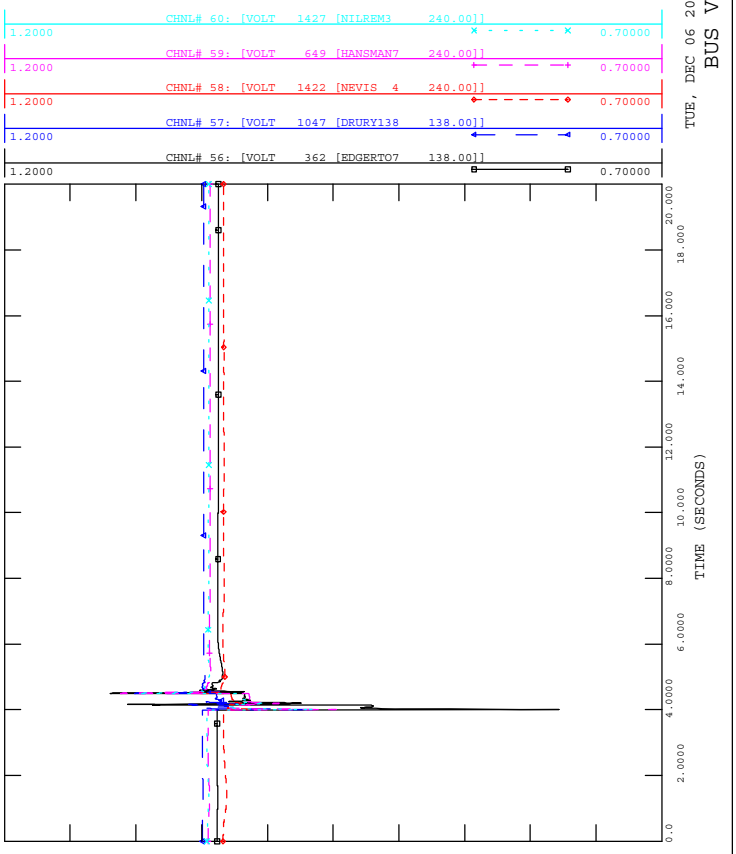
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.

TUE, DEC 06 2016 21:32

BUS VOLTAGE

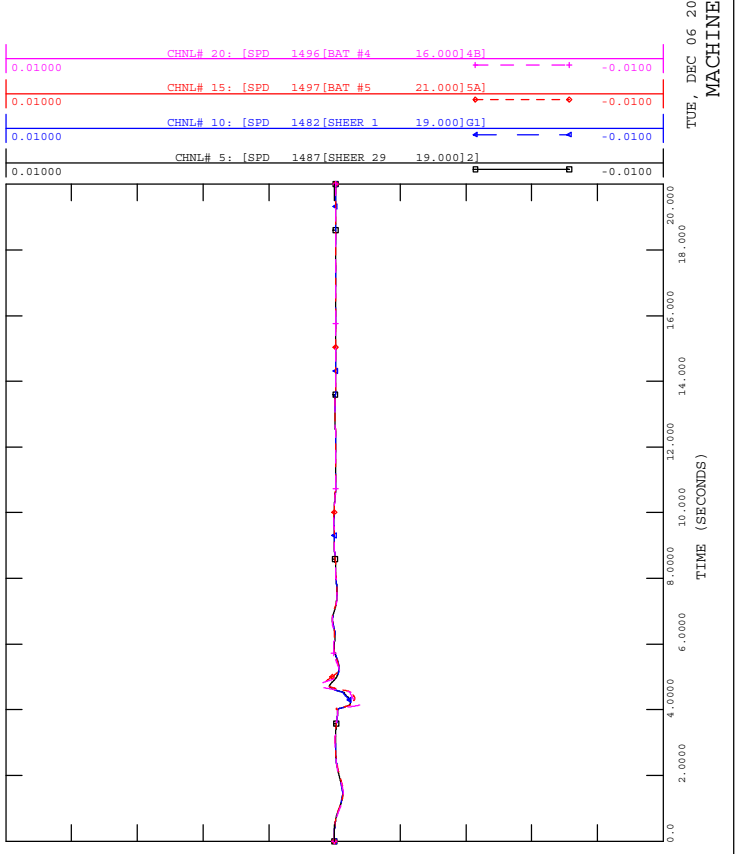


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.

TUE, DEC 06 2016 21:32

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

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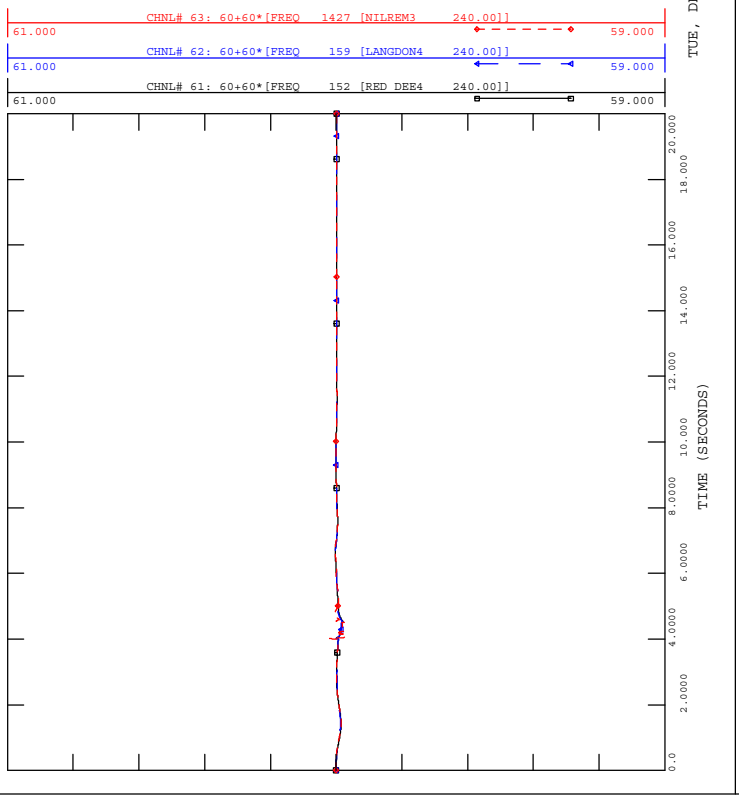
TUE, DEC 06 2016 21:32

FREQUENCY



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CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.

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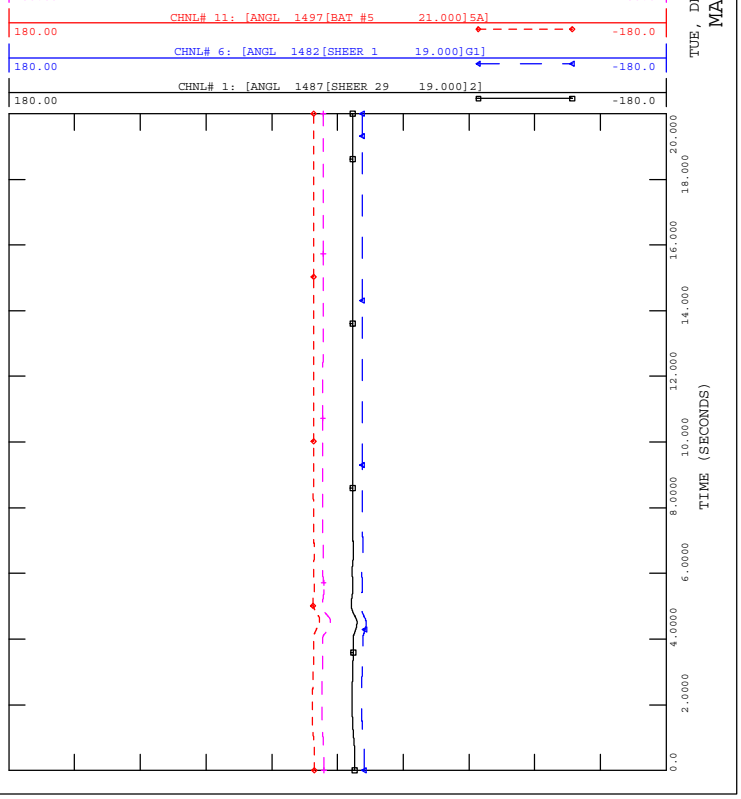
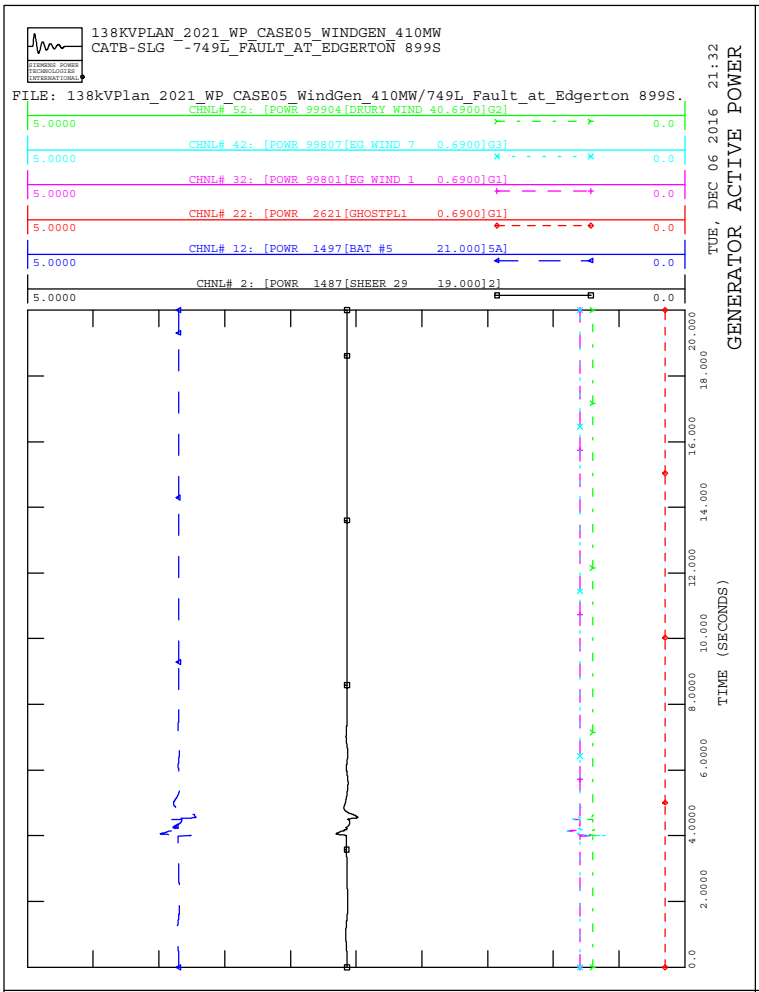
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
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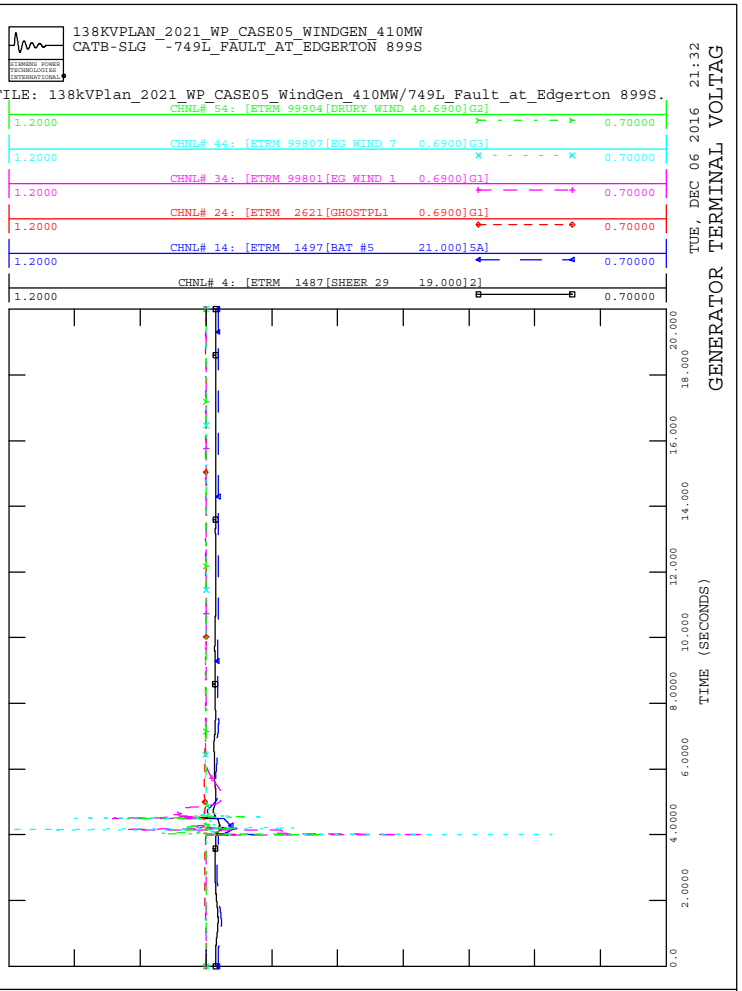
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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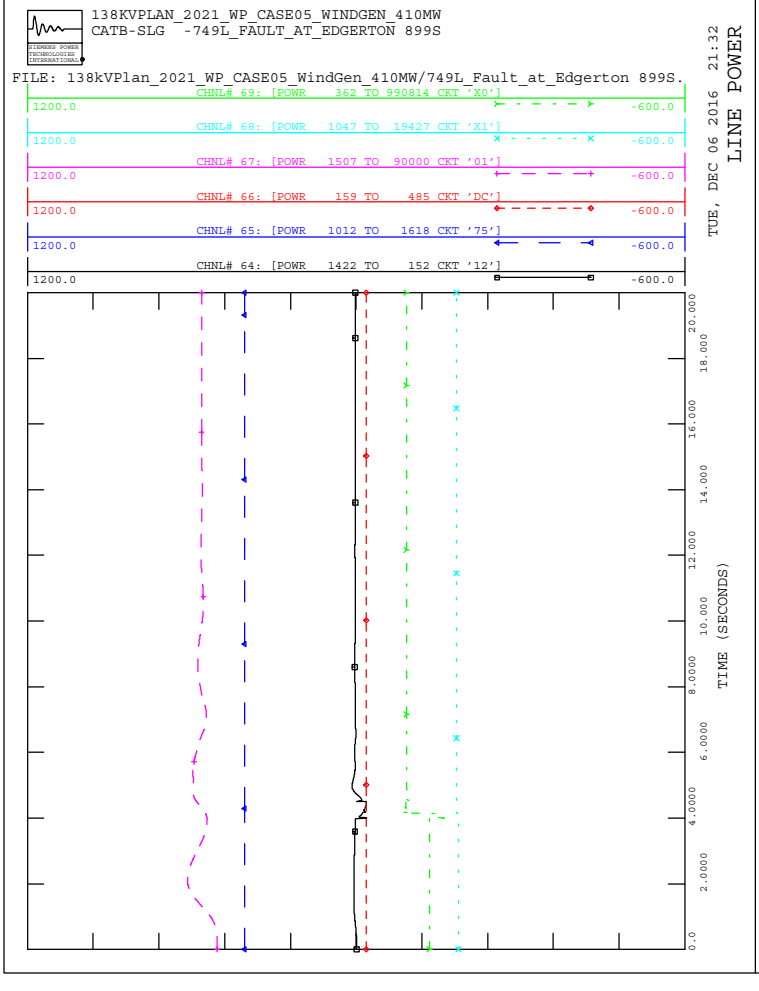
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
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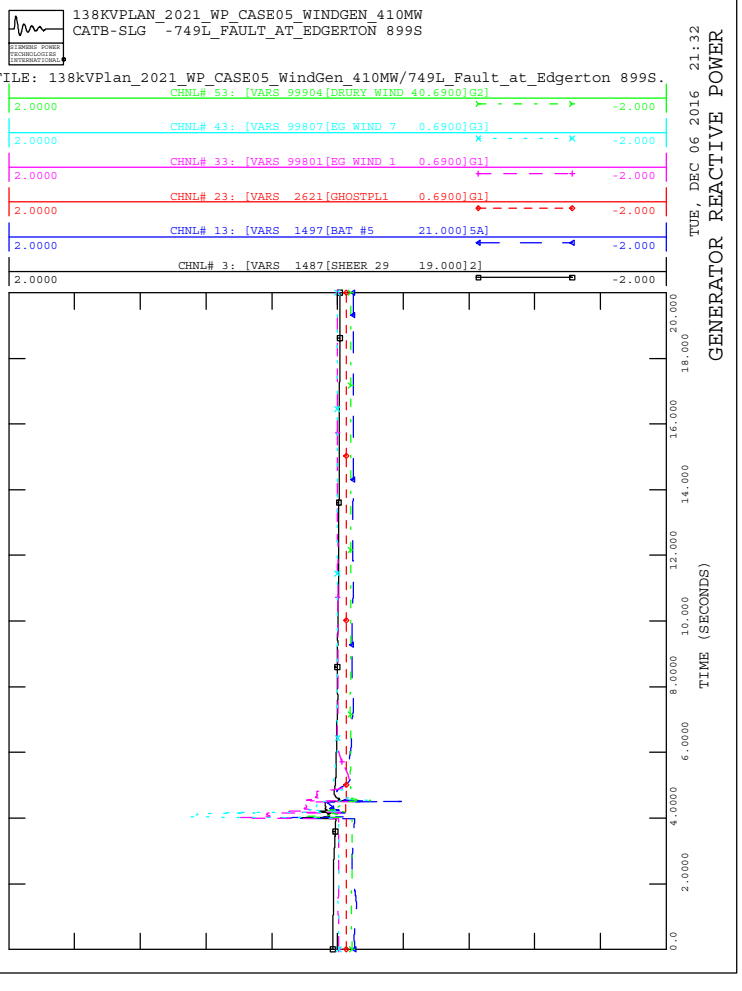
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CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_Fault_at_Edgerton 899S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
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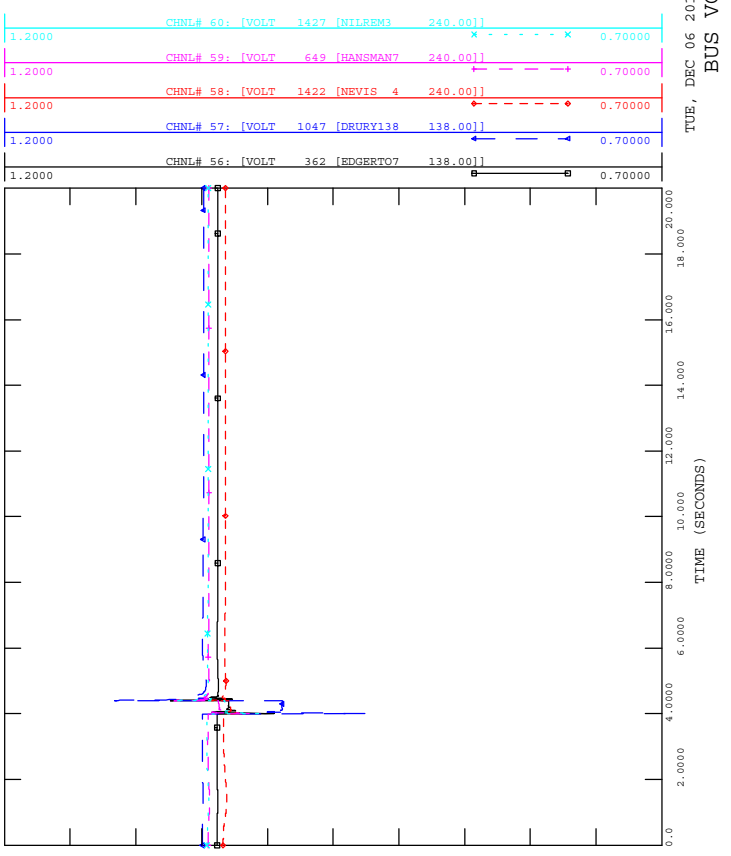
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:32

BUS VOLTAGE



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

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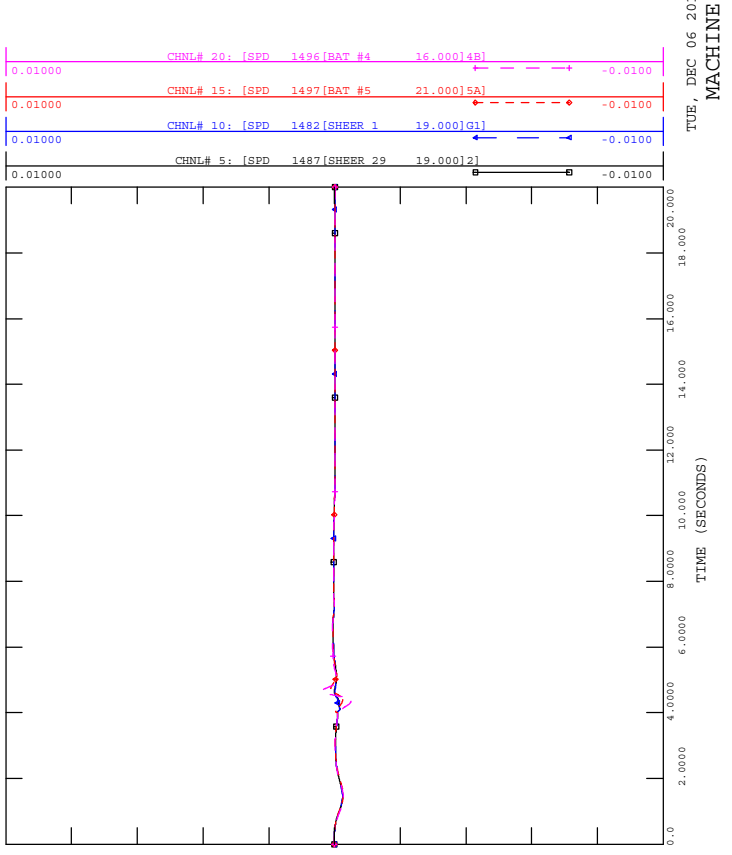
MACHINE SPEED

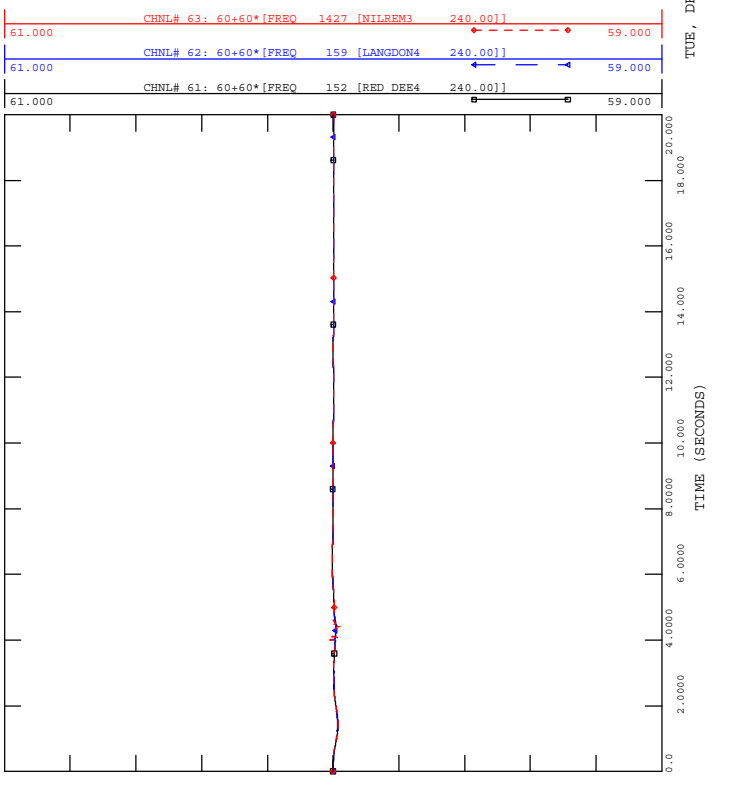


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:32

FREQUENCY

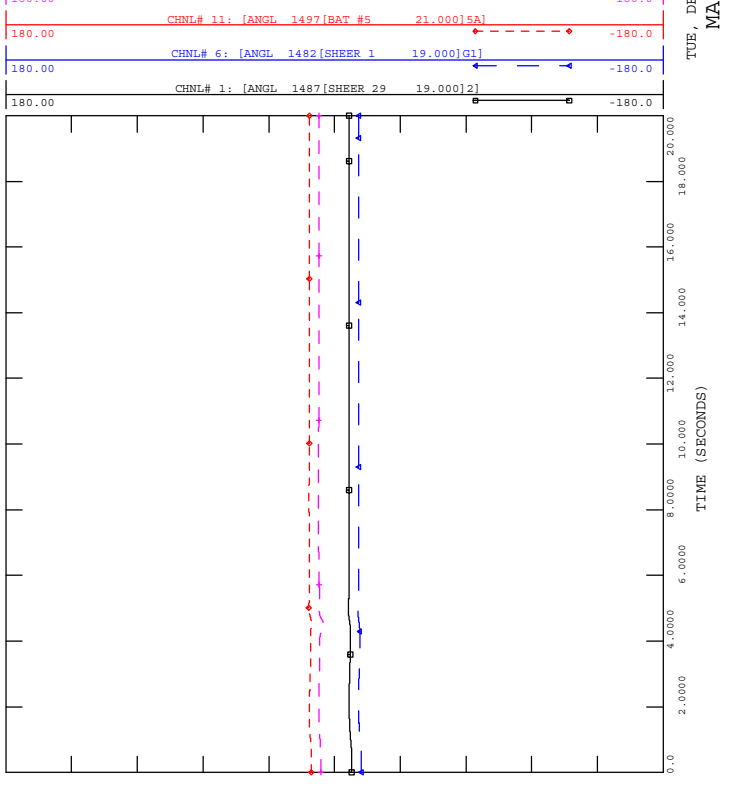


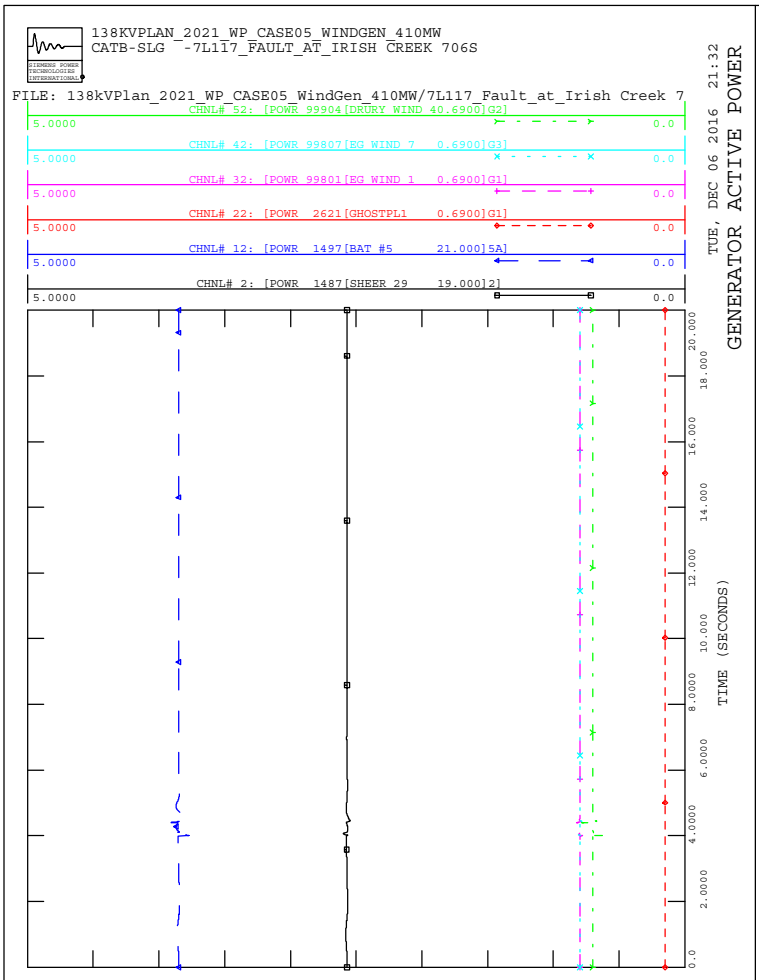
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

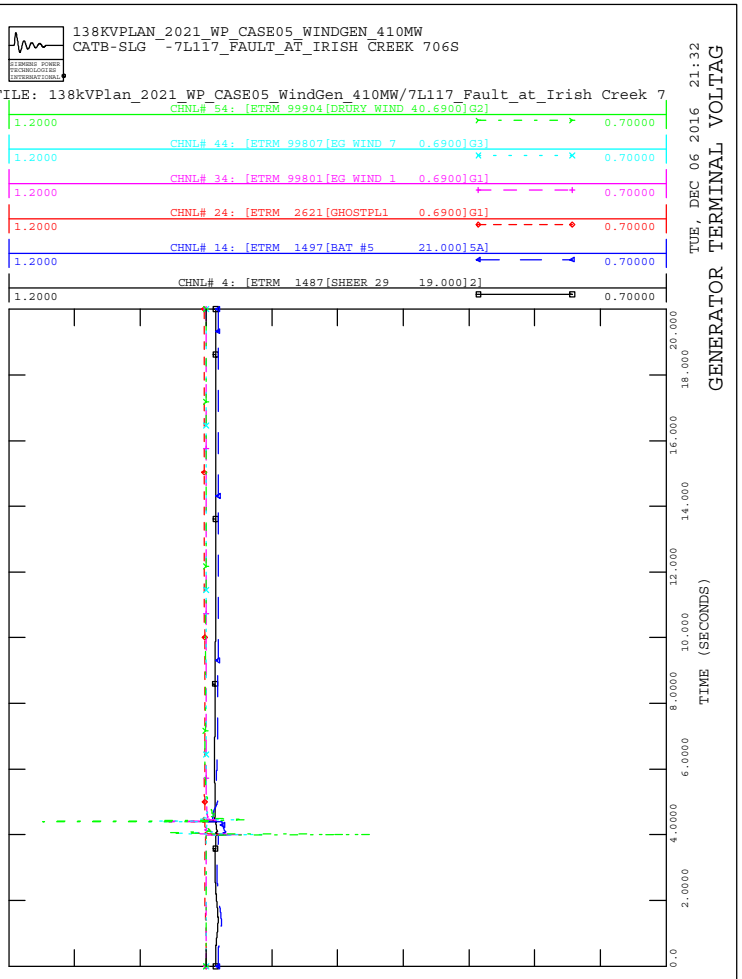
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Irish Creek 7

TUE, DEC 06 2016 21:32

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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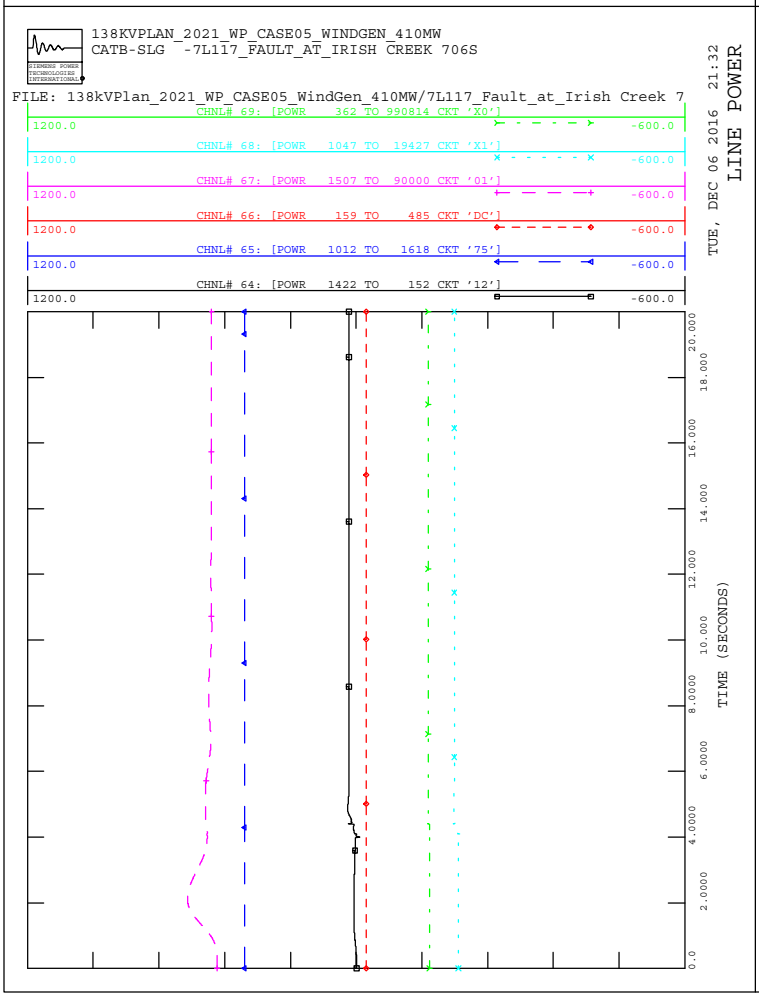
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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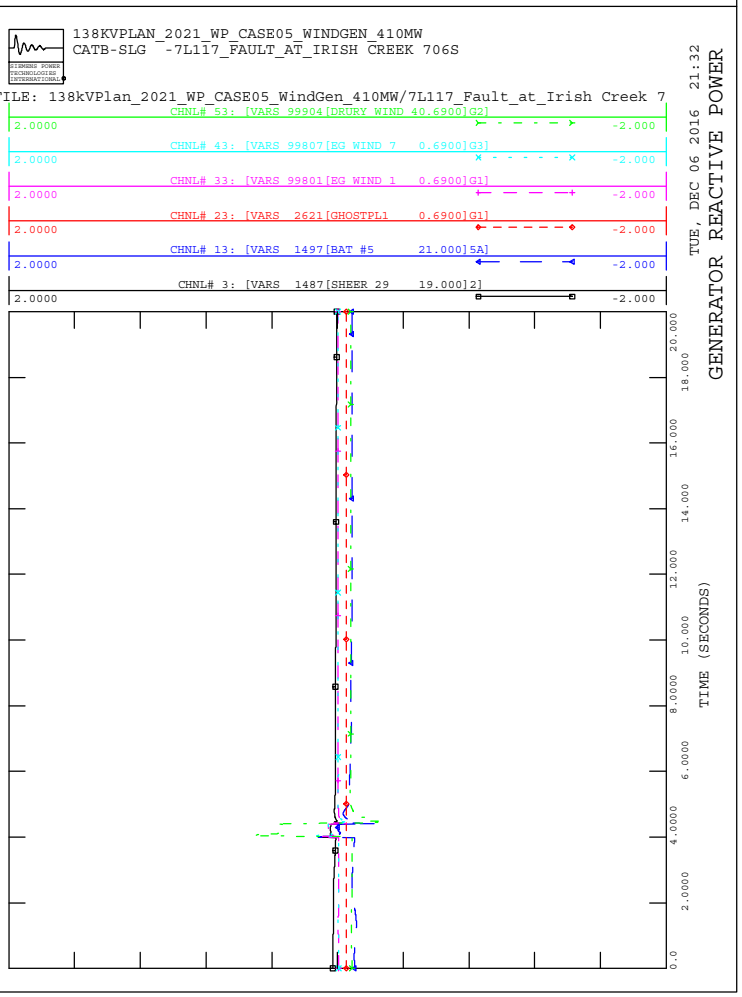
20.000

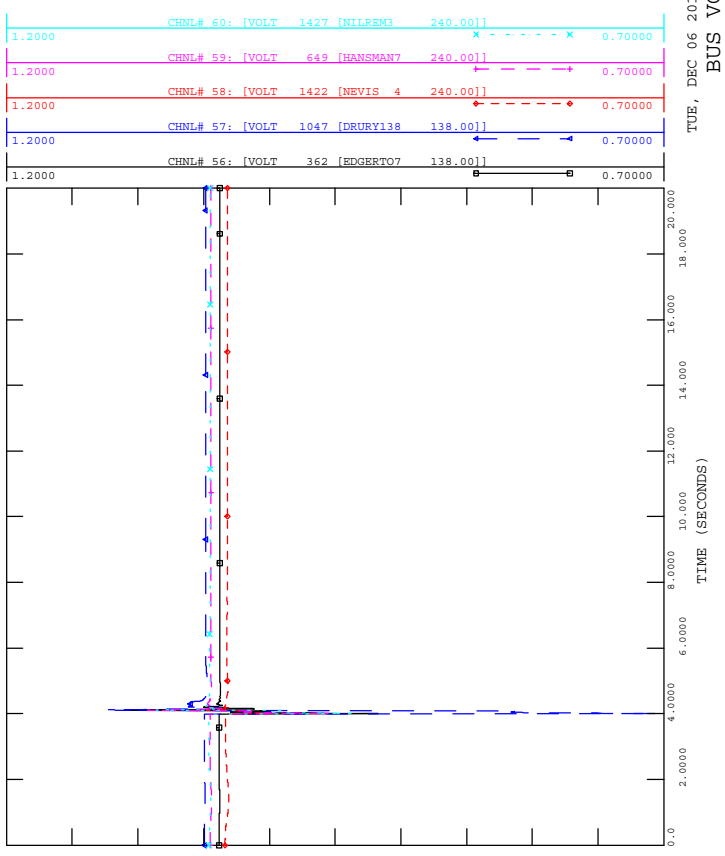

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Irish Creek 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

BUS VOLTAGE

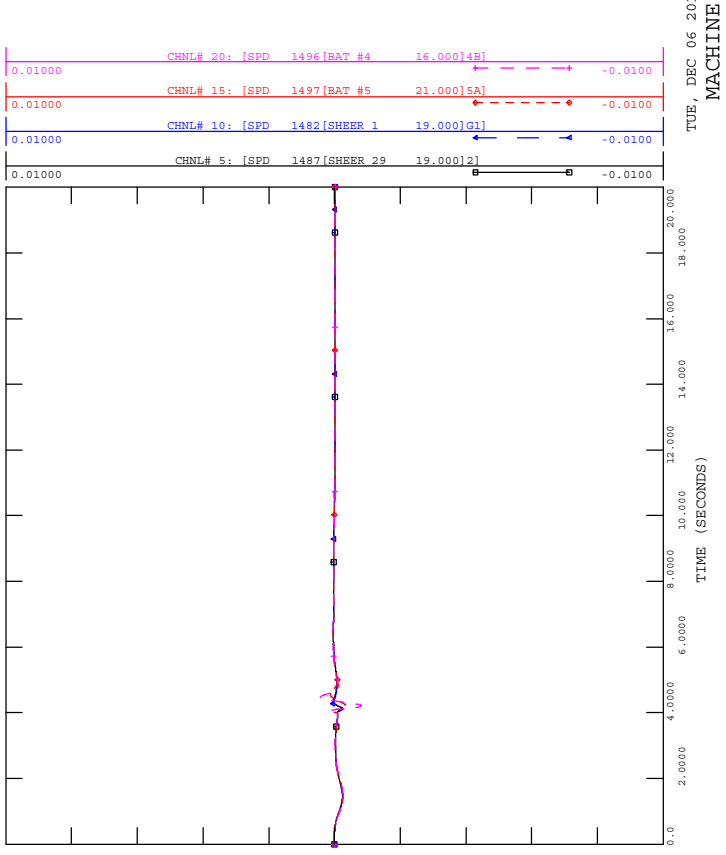


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

MACHINE SPEED

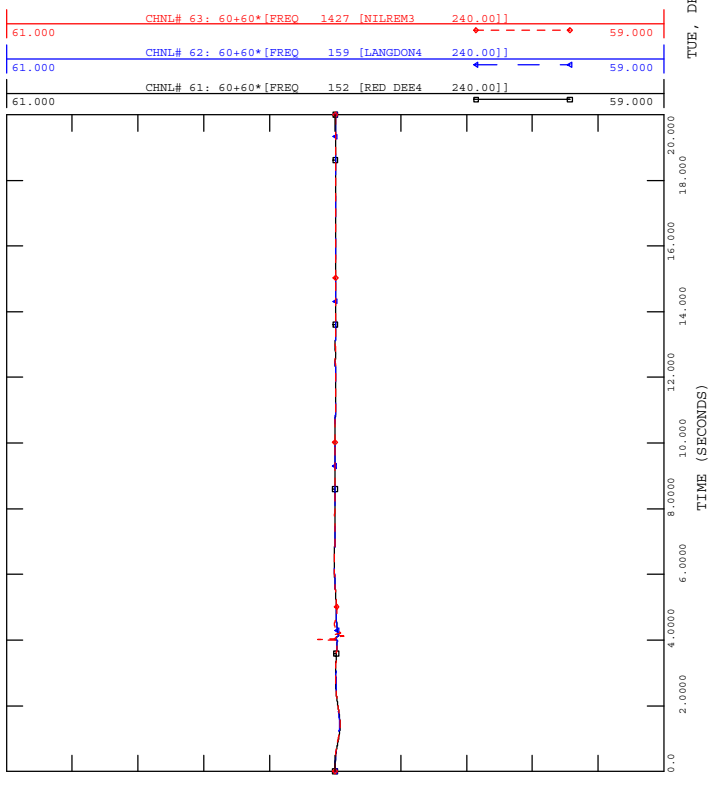


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

FREQUENCY

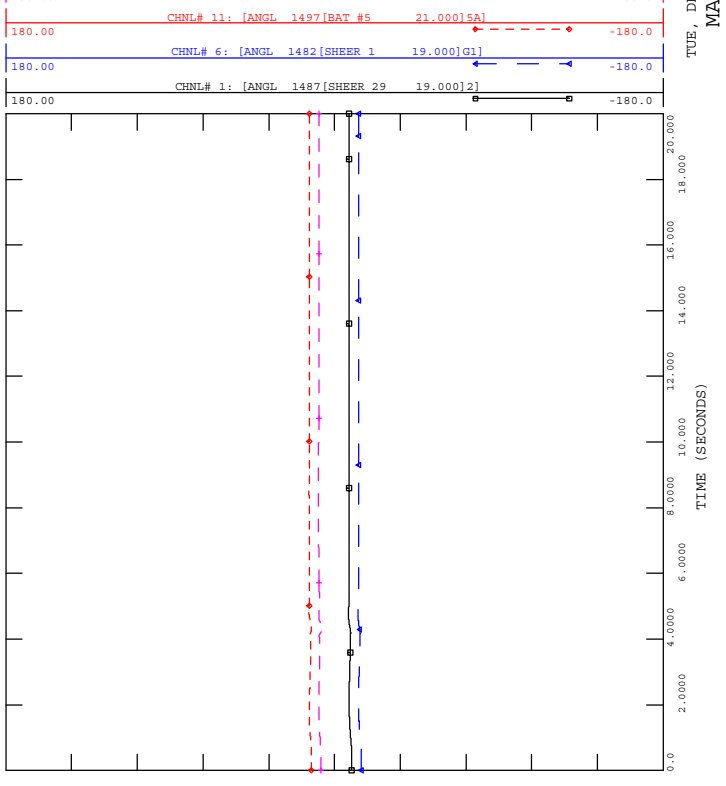


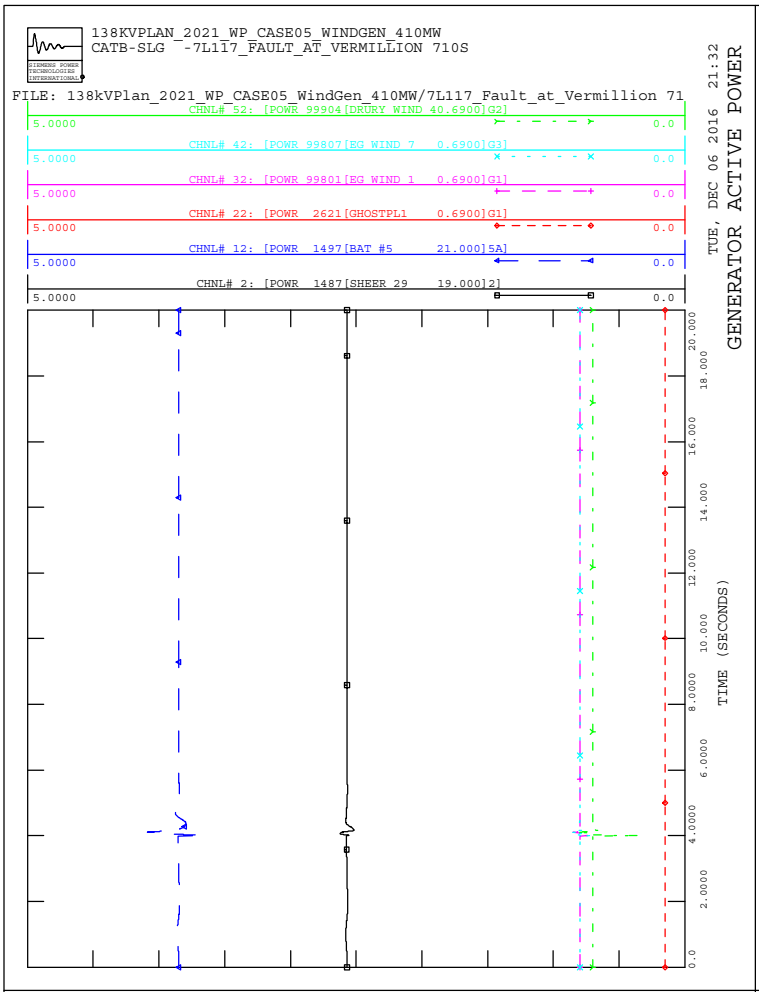
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

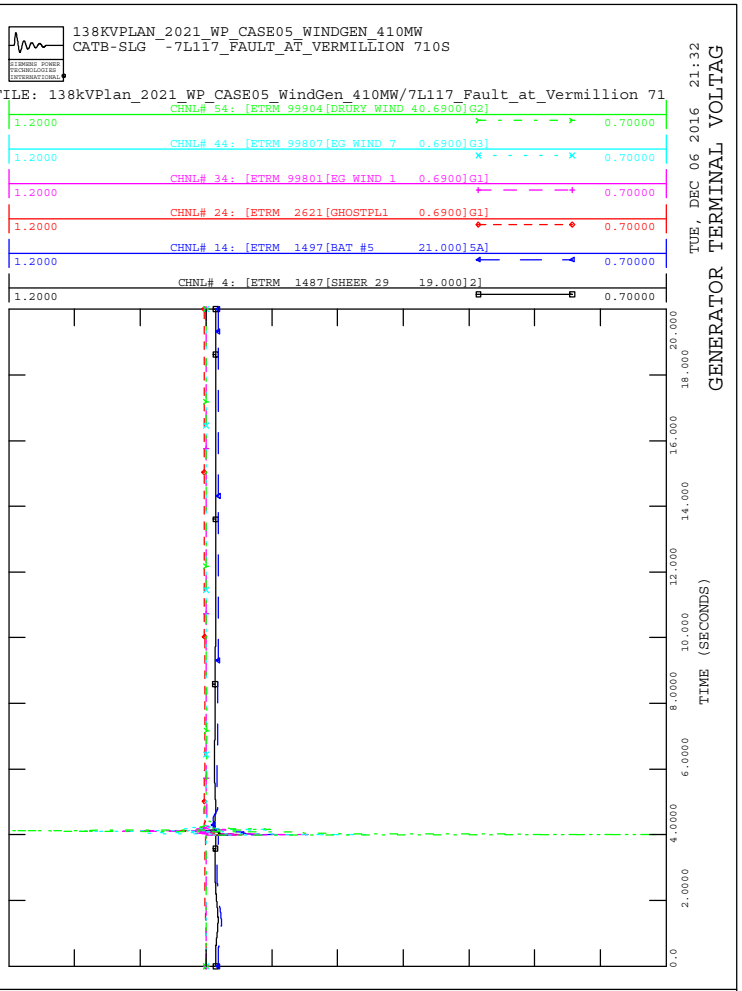
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
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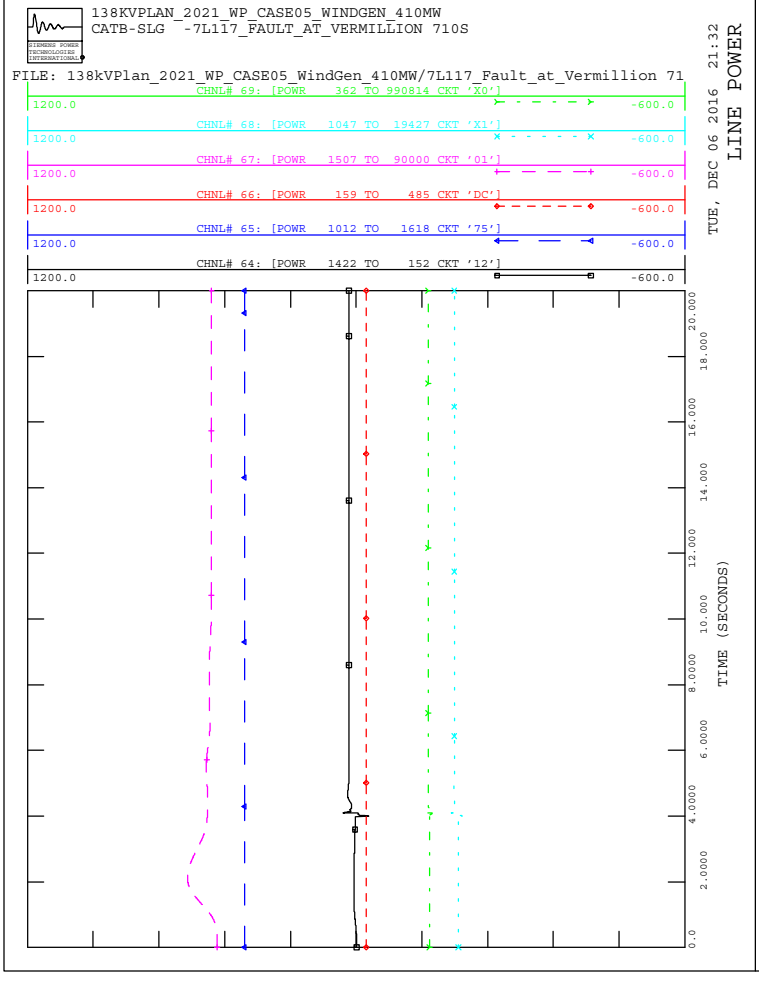
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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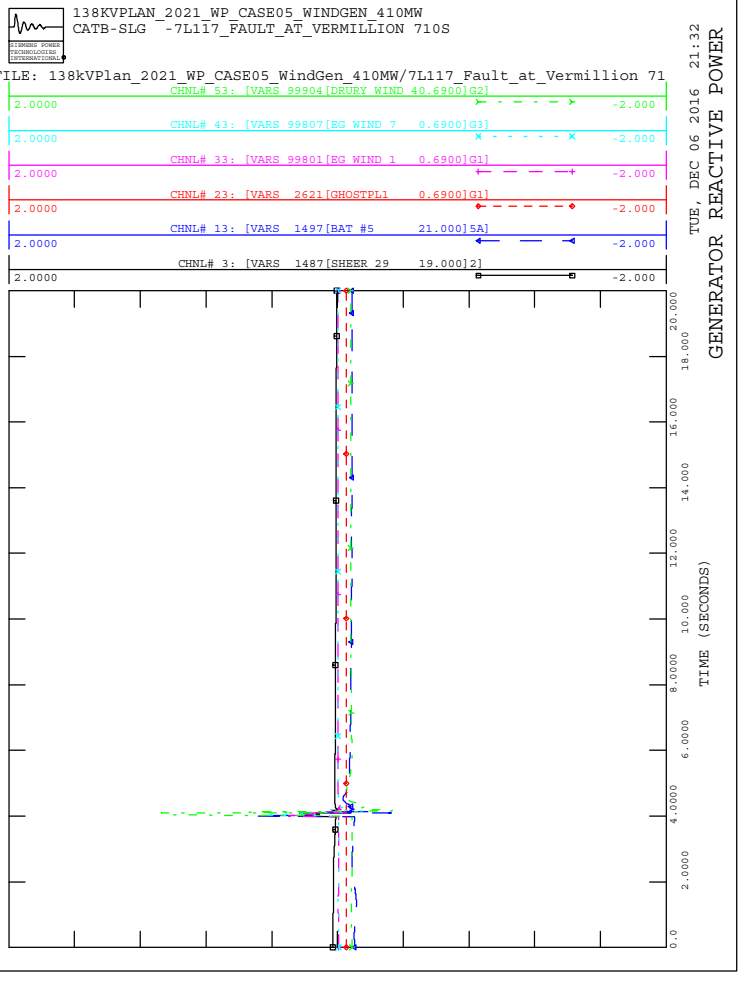
20.000

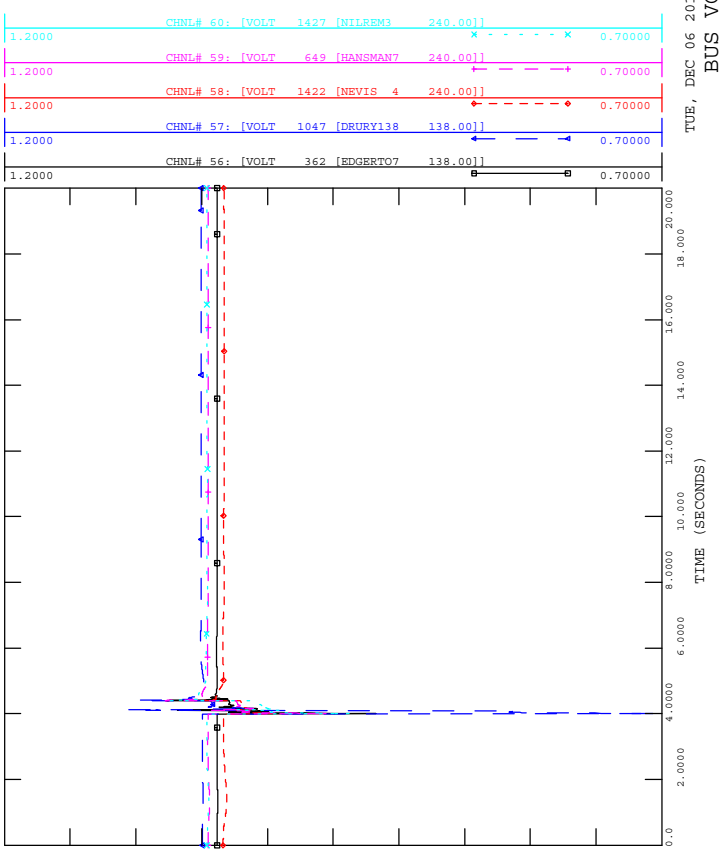

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

BUS VOLTAGE

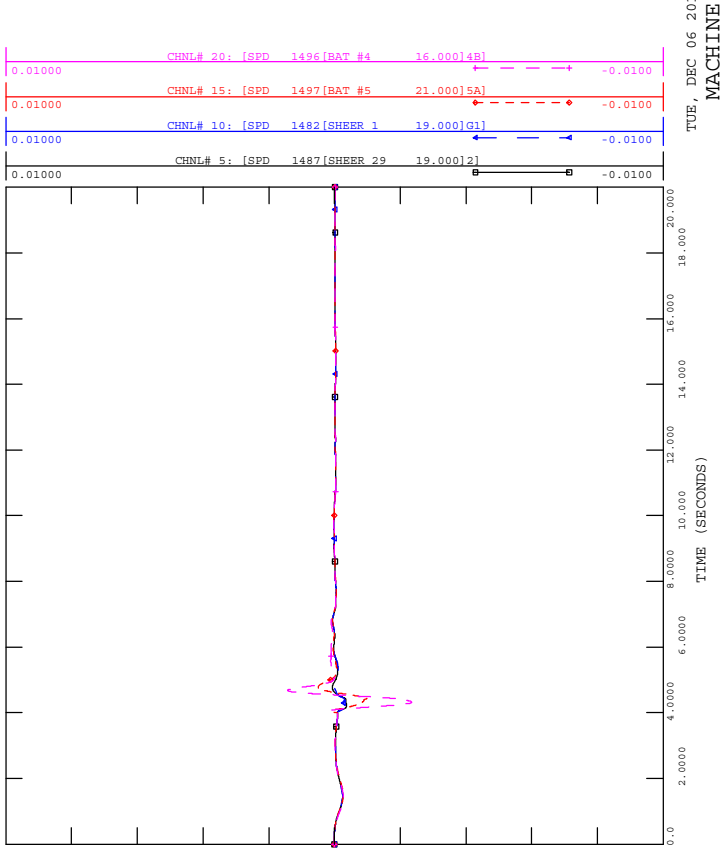


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

MACHINE SPEED

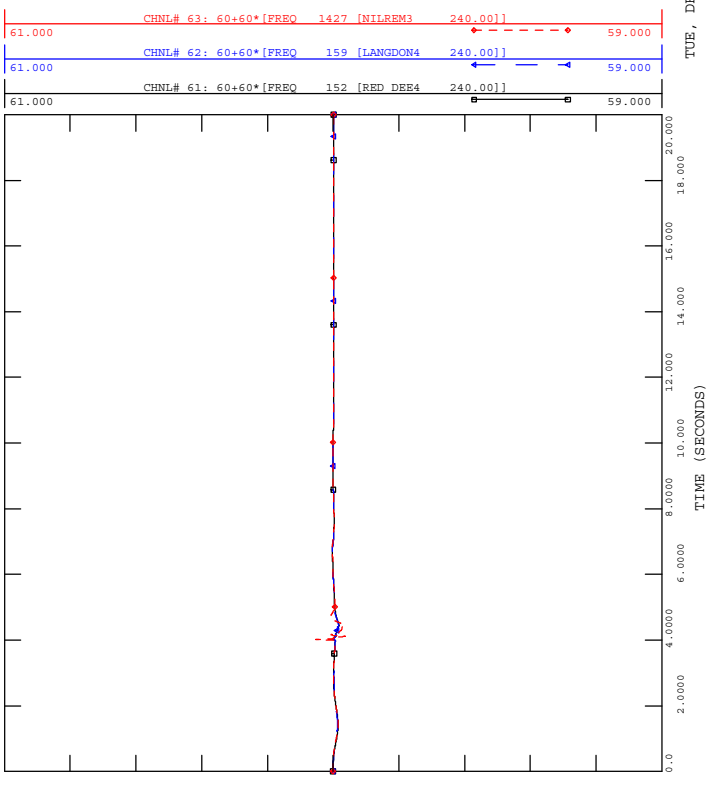


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

FREQUENCY



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

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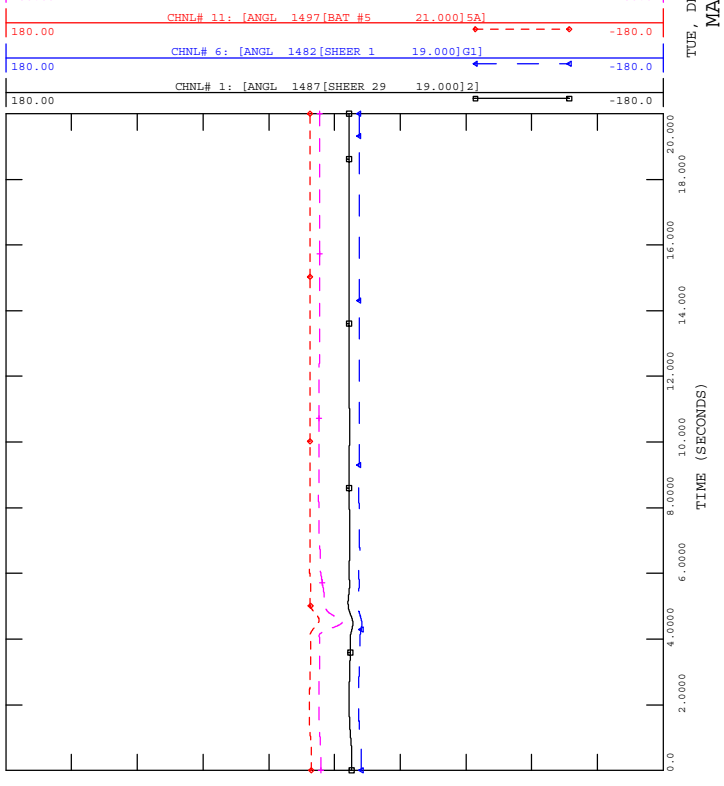
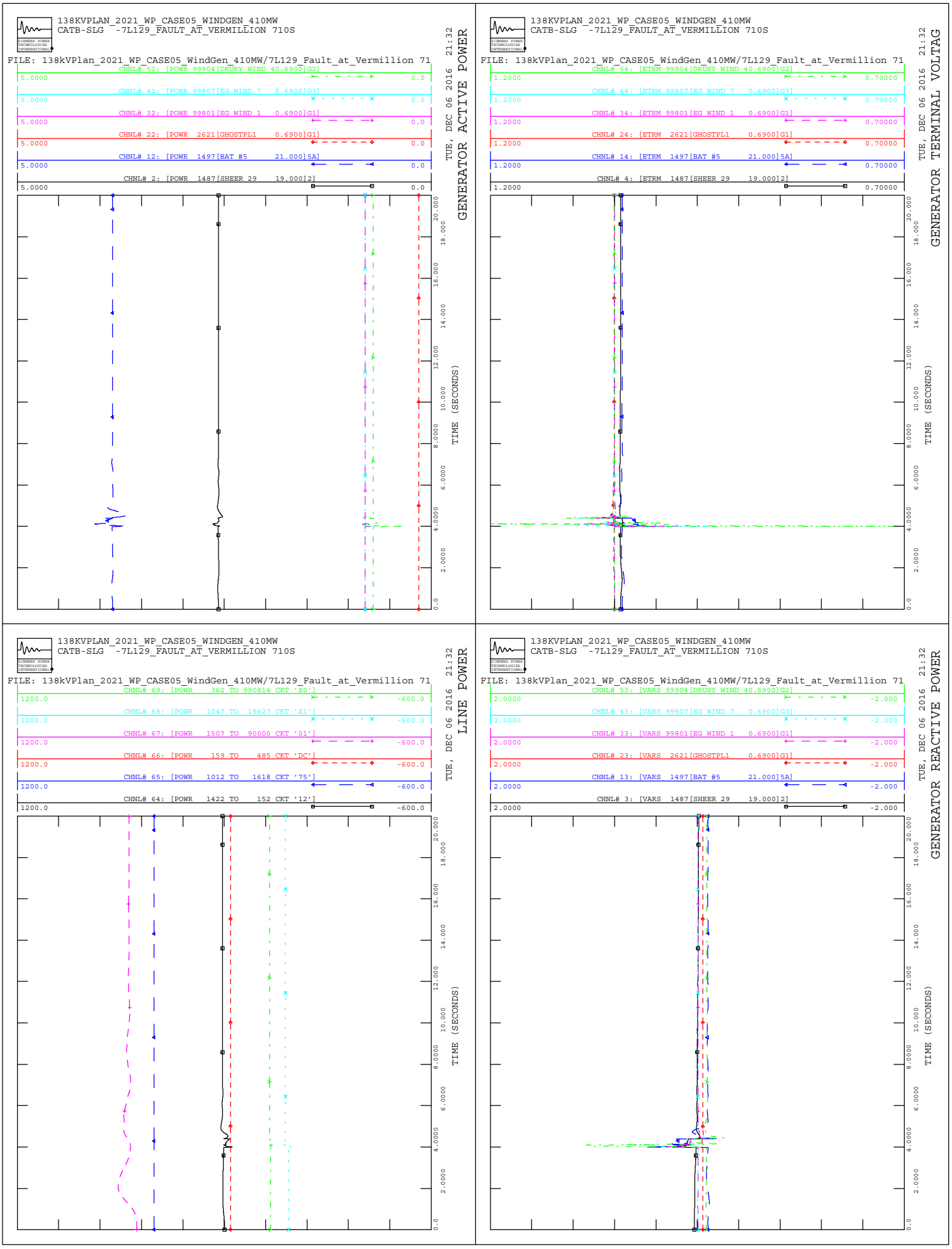
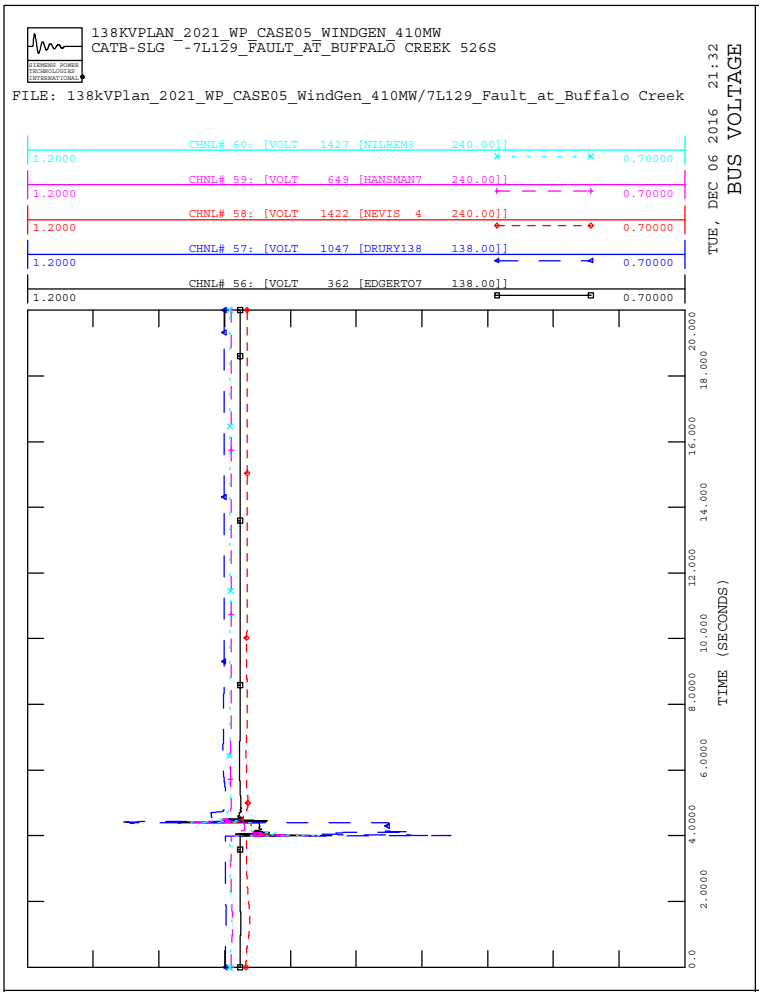
TUE, DEC 06 2016 21:32

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71
TUE, DEC 06 2016 21:32
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Vermillion 71
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek
TUE, DEC 06 2016 21:32
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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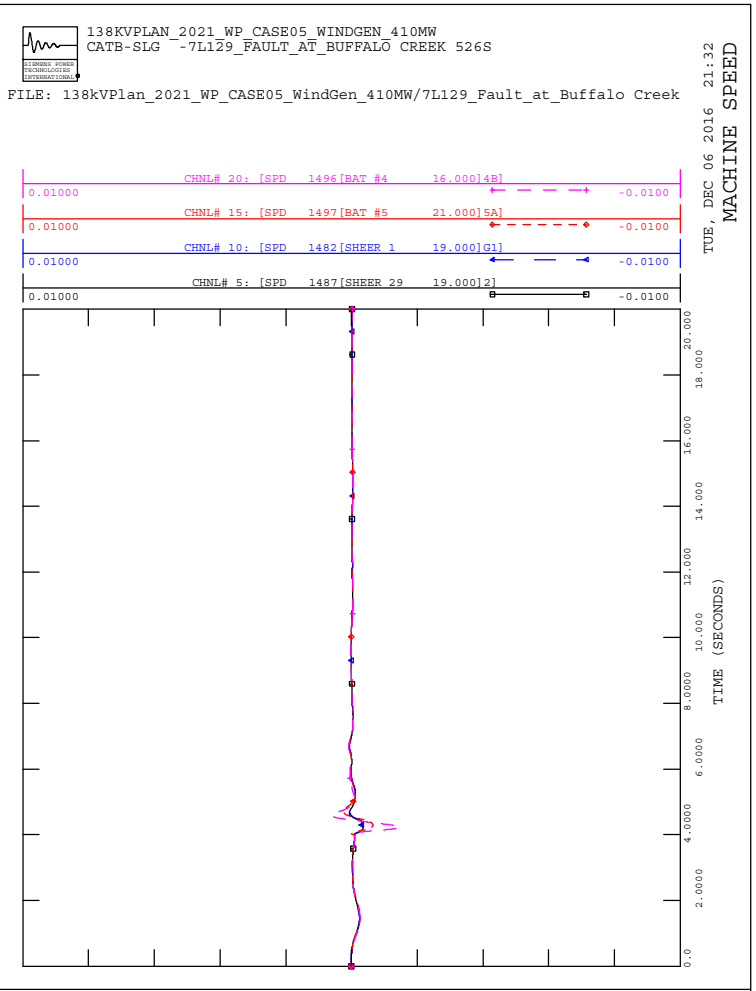
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek
TUE, DEC 06 2016 21:32
MACHINE SPEED
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CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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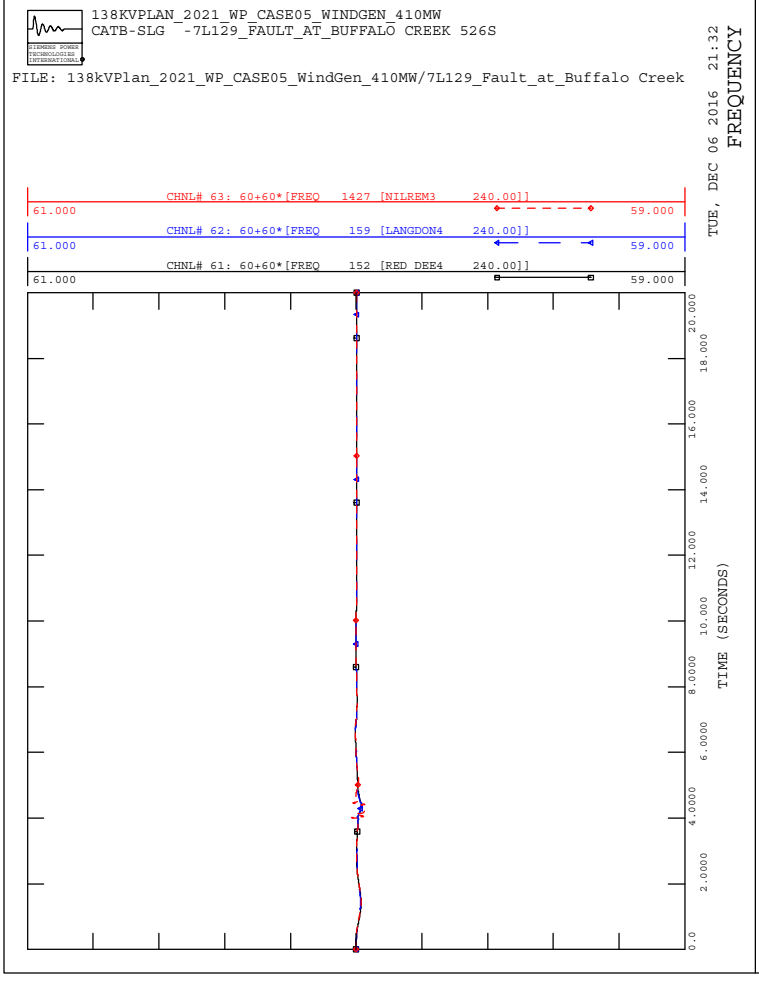
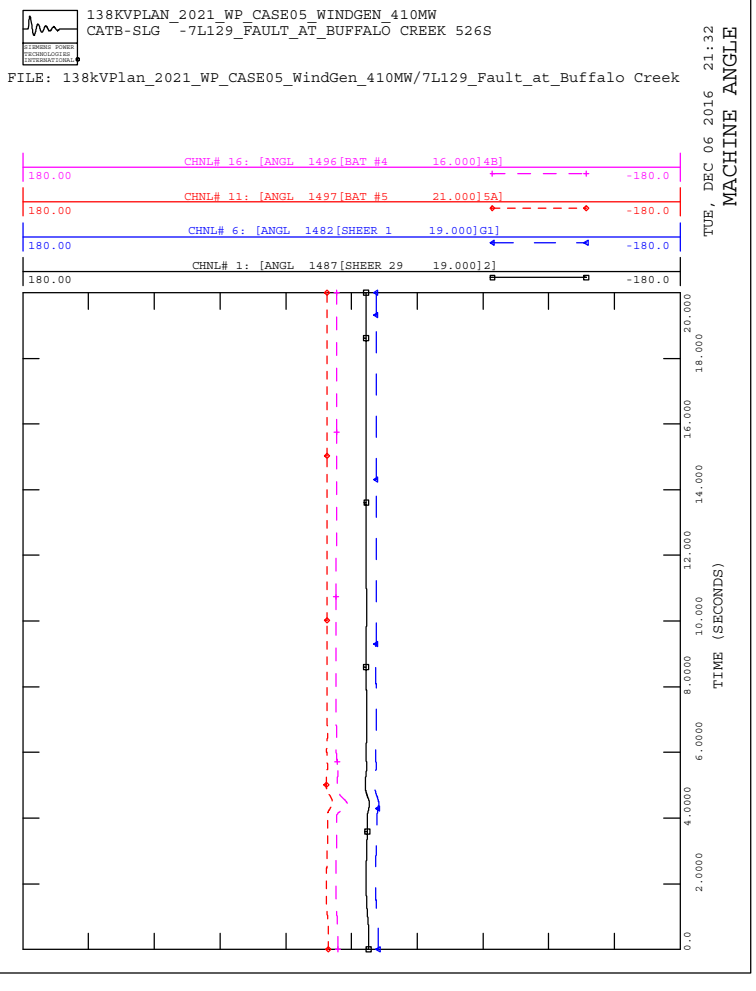
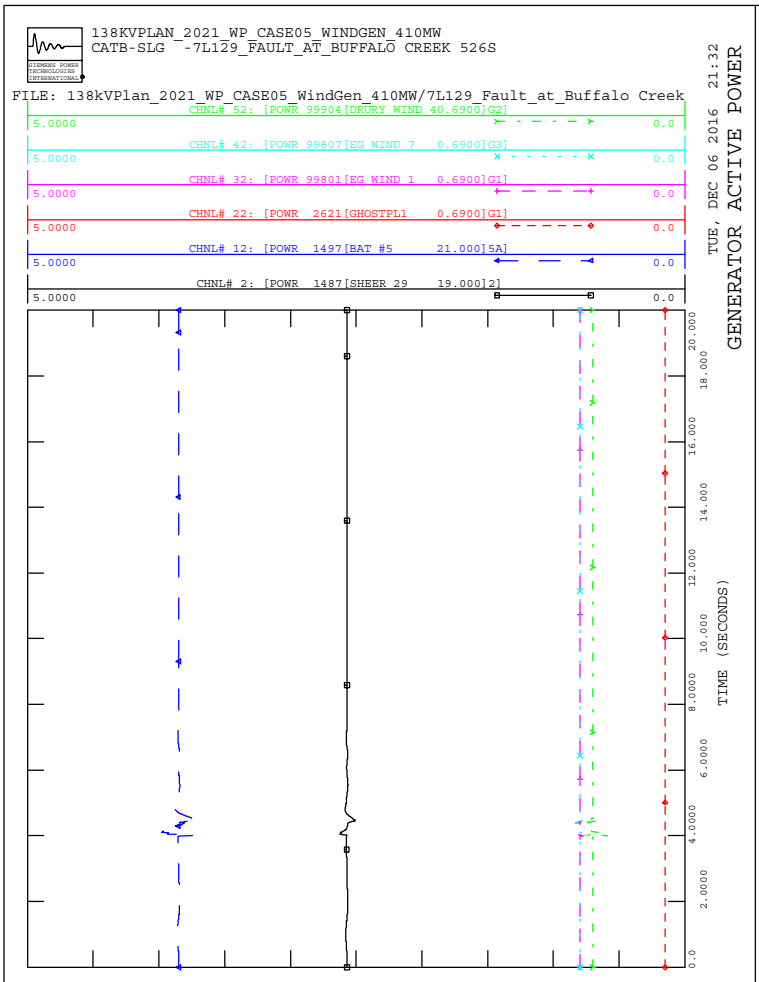
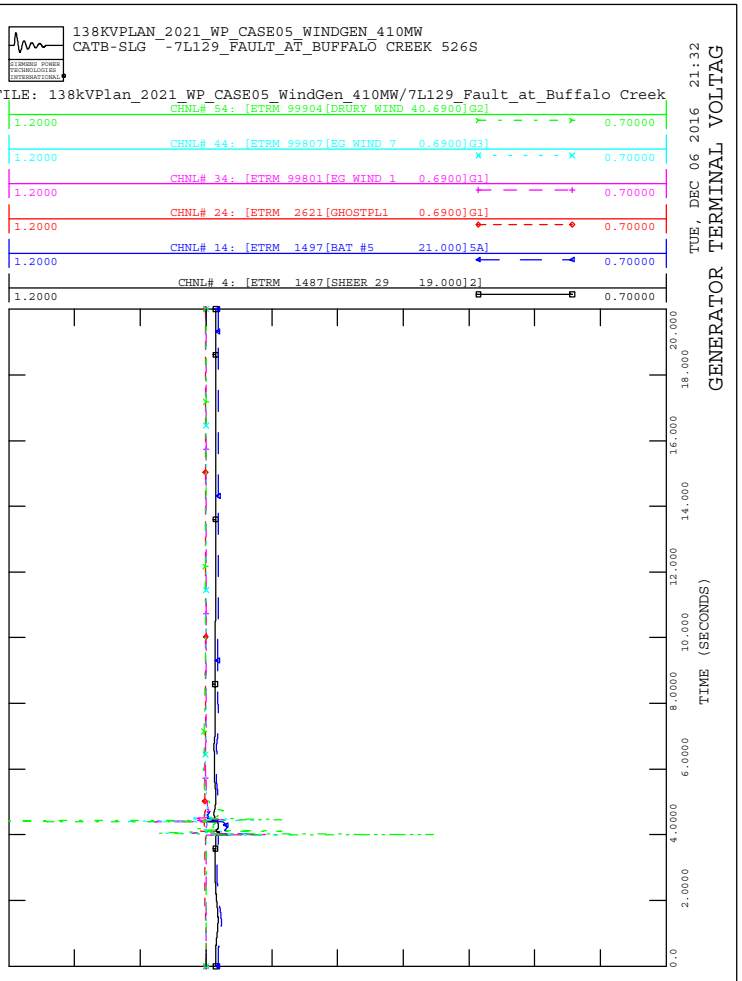
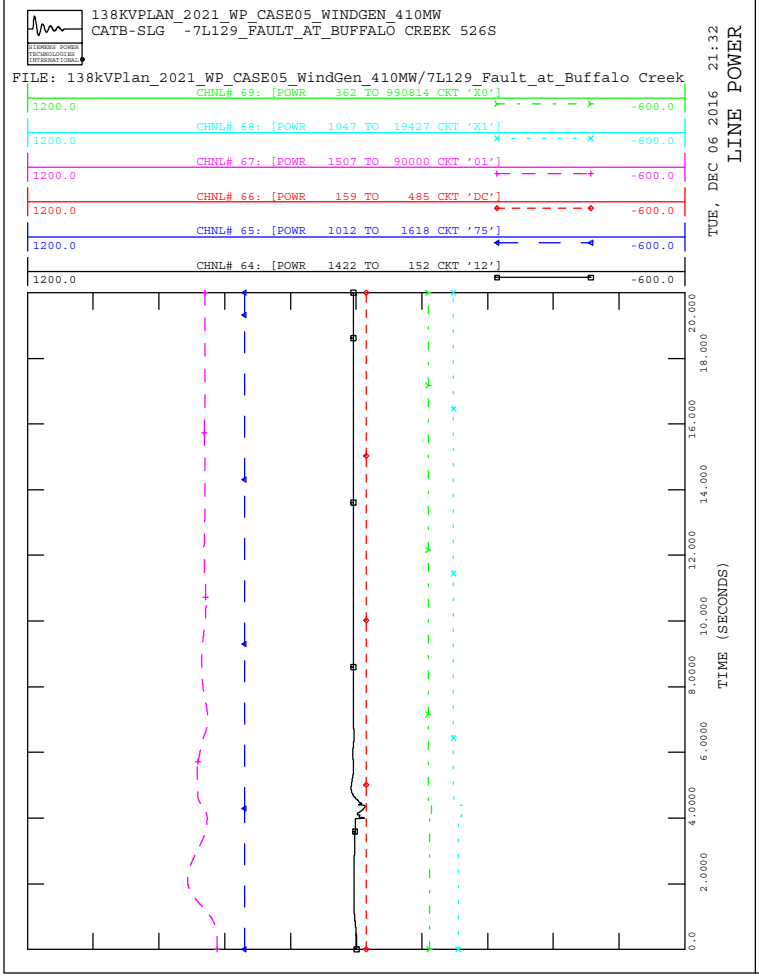
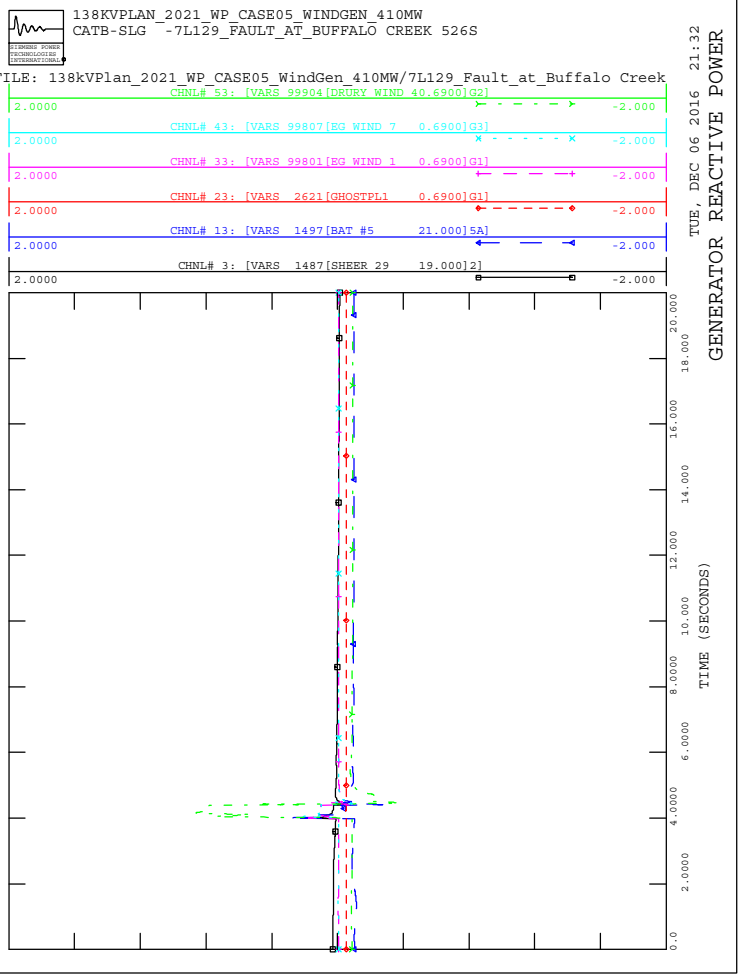

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek
TUE, DEC 06 2016 21:32
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek
TUE, DEC 06 2016 21:32
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

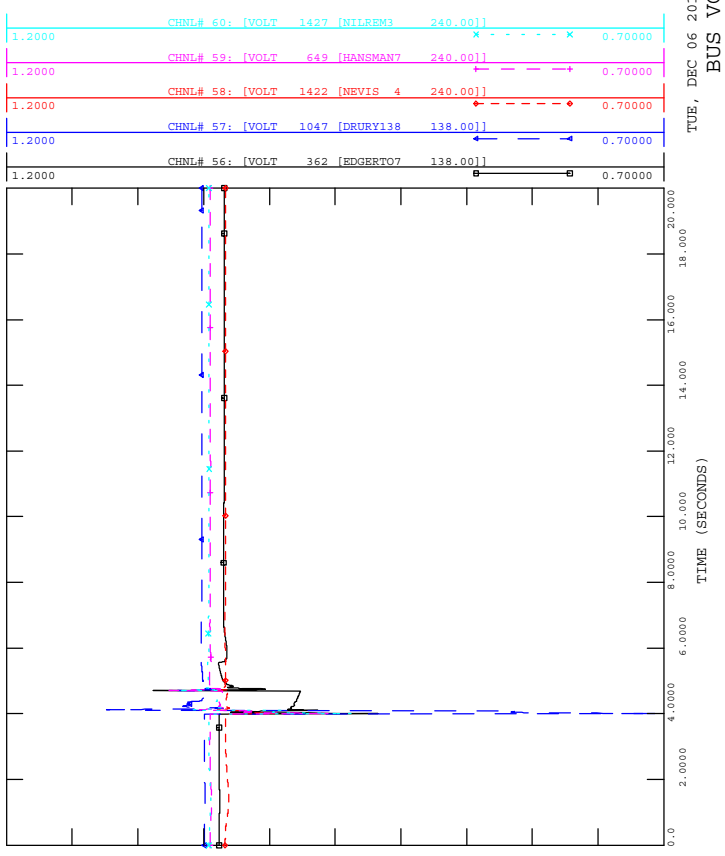

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

BUS VOLTAGE

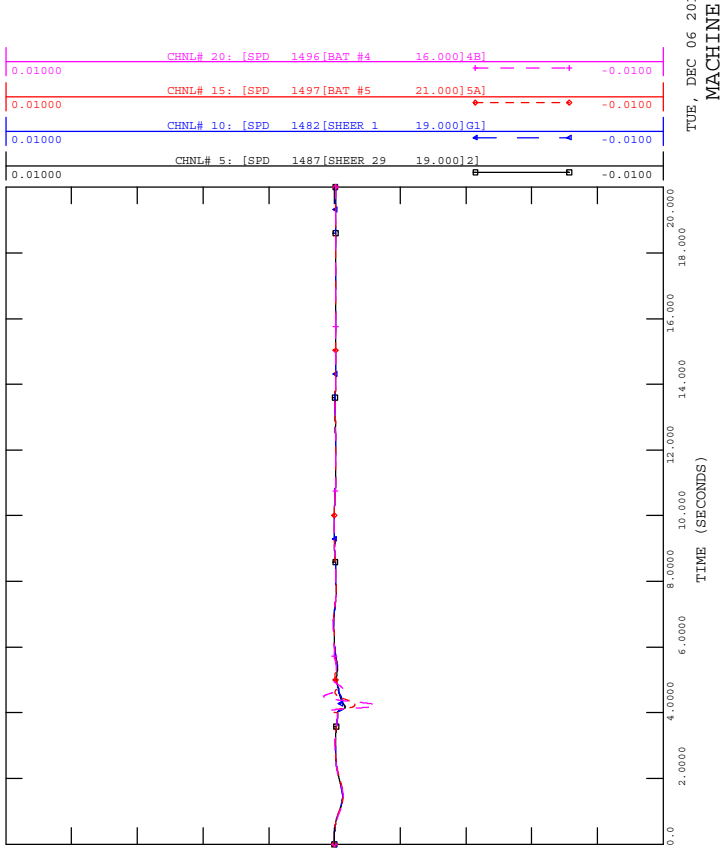


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

MACHINE SPEED

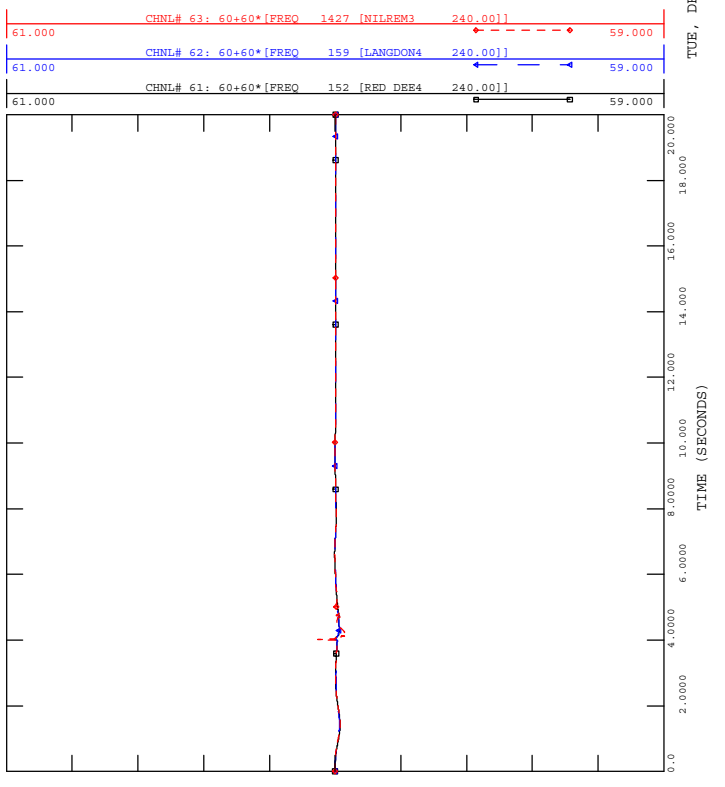


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

FREQUENCY

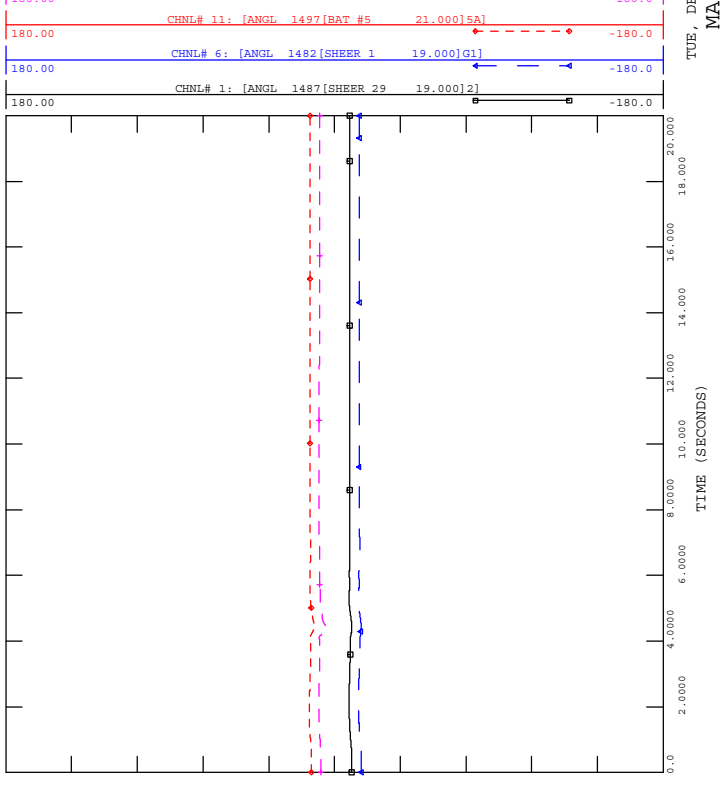


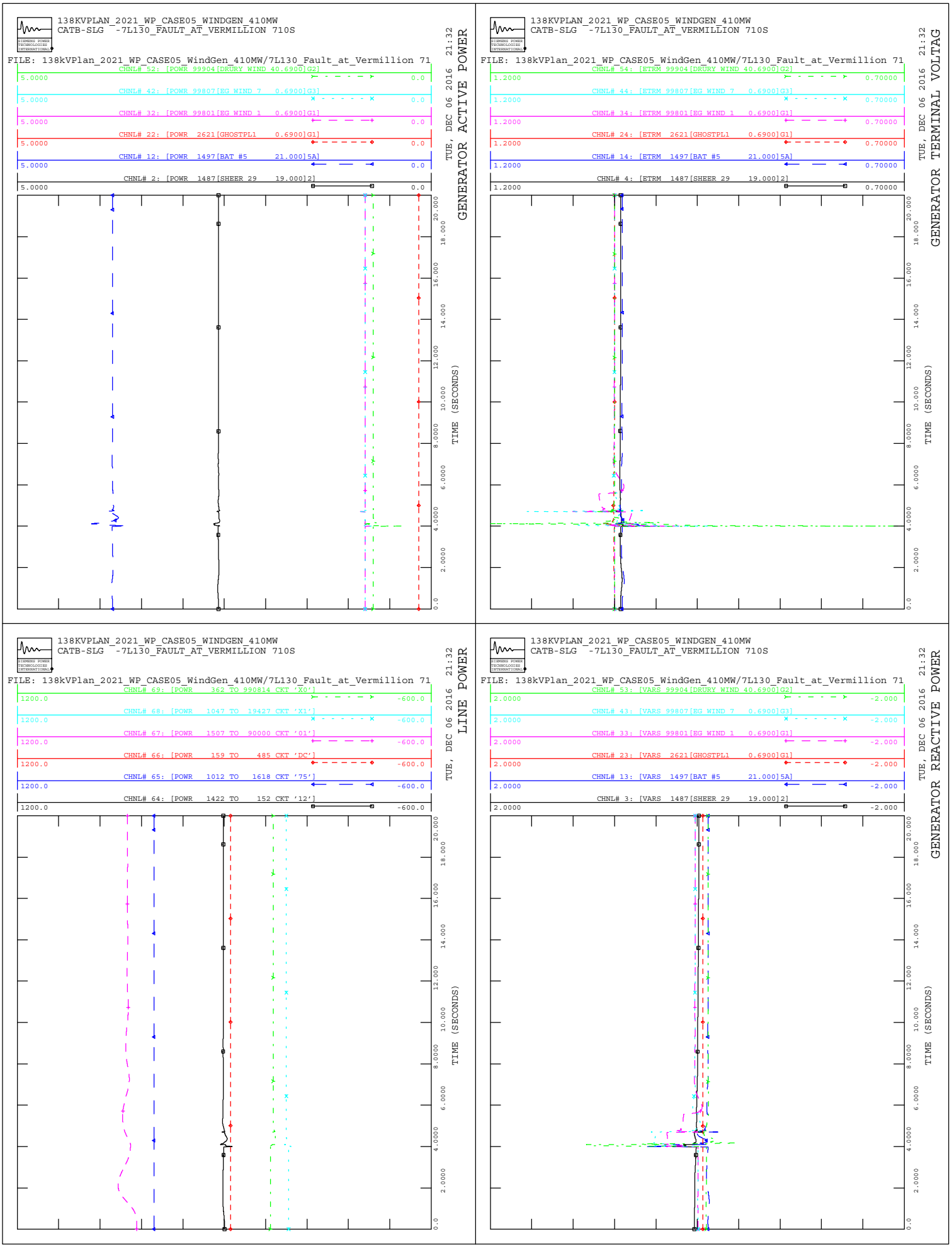
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

MACHINE ANGLE



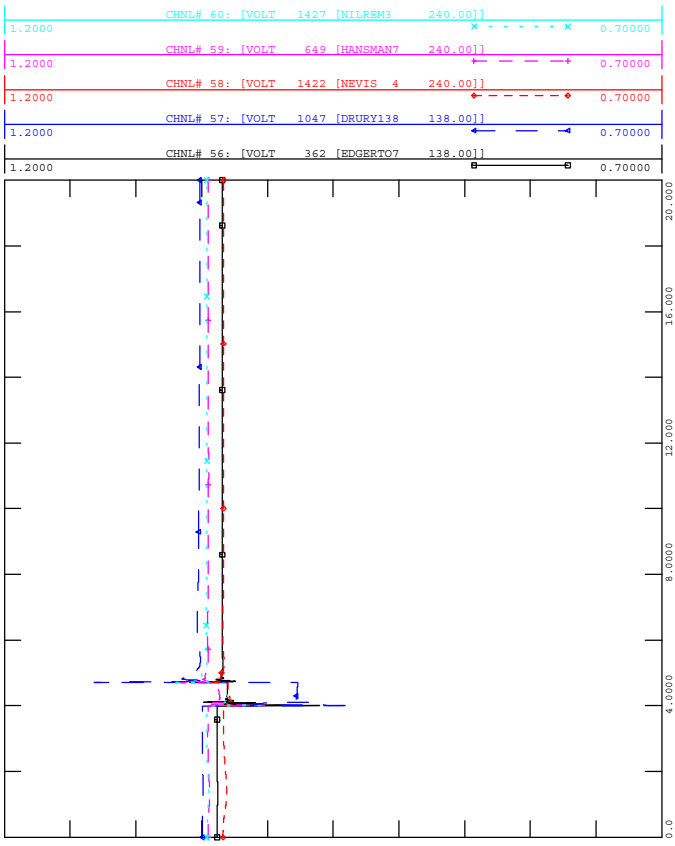

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71
TUE, DEC 06 2016 21:32
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Vermillion 71
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:32

BUS VOLTAGE

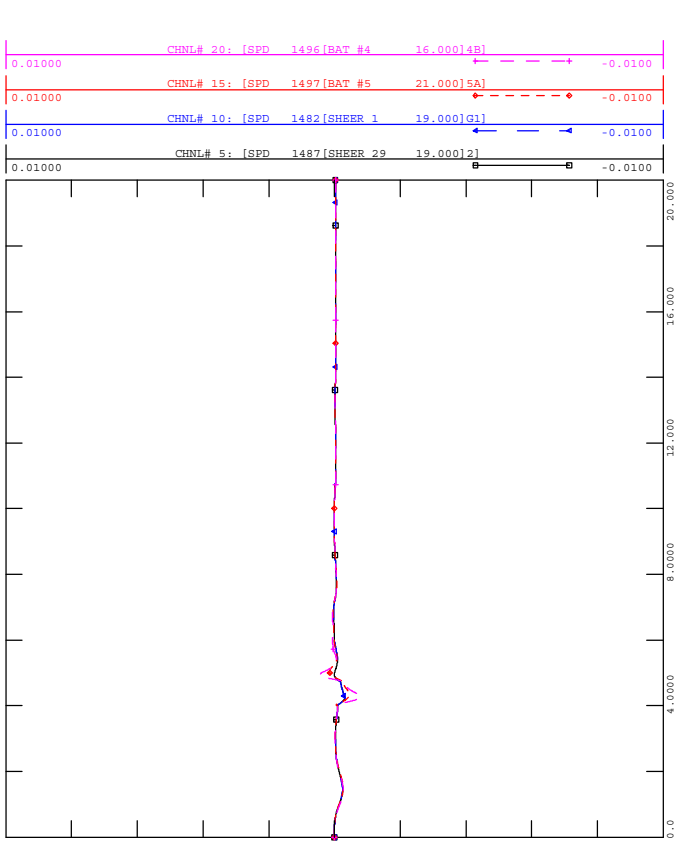


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:32

MACHINE SPEED

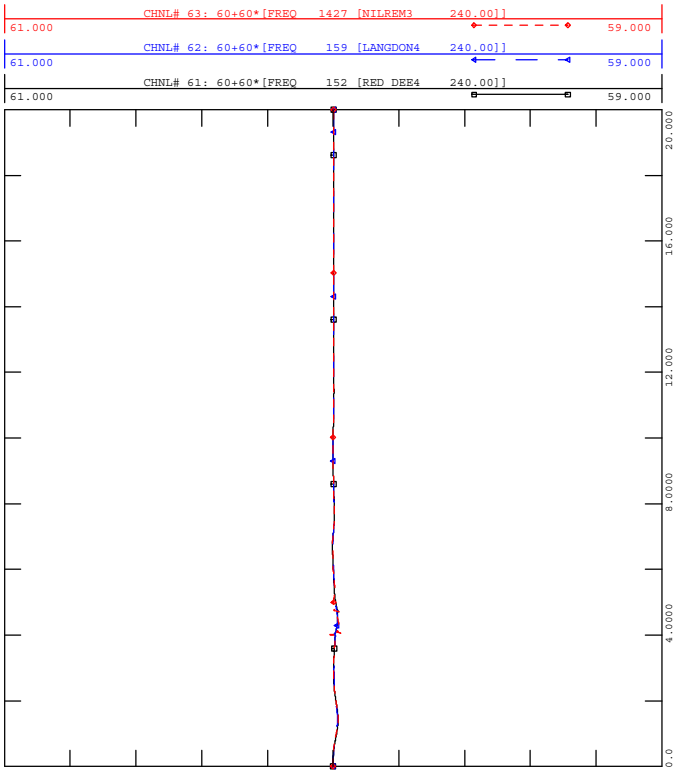


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

TUE, DEC 06 2016 21:32

FREQUENCY

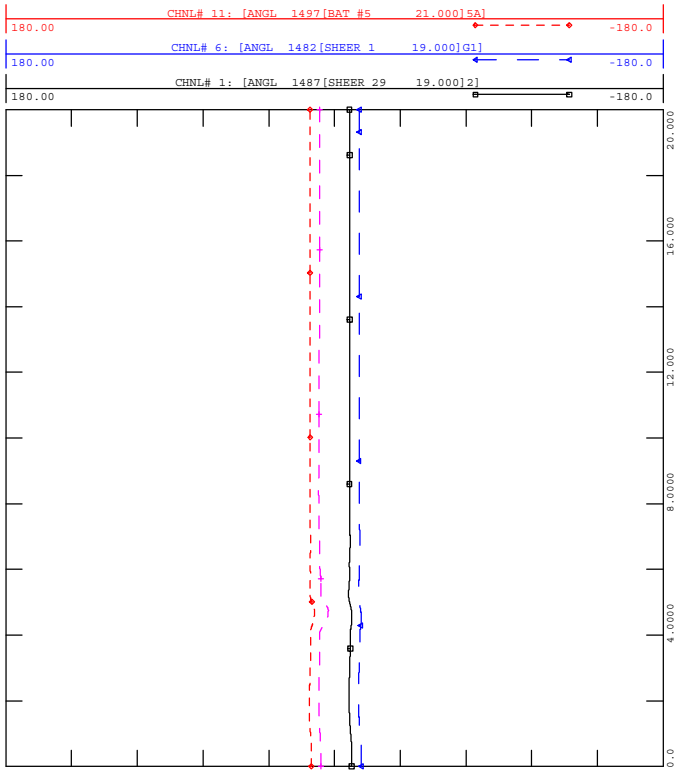


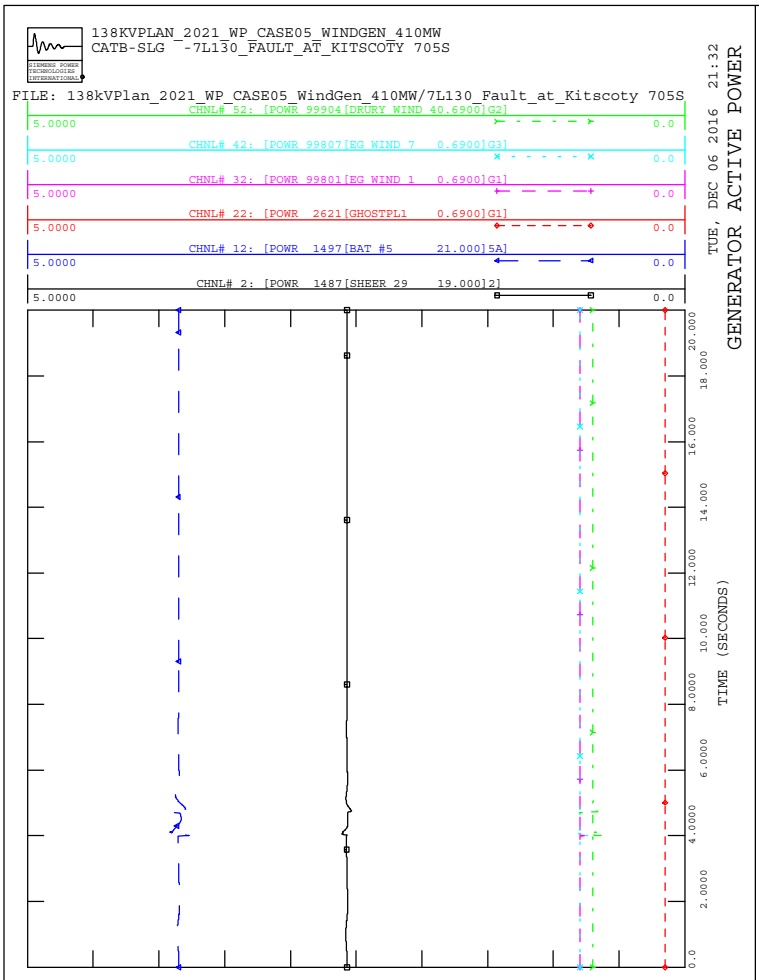
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

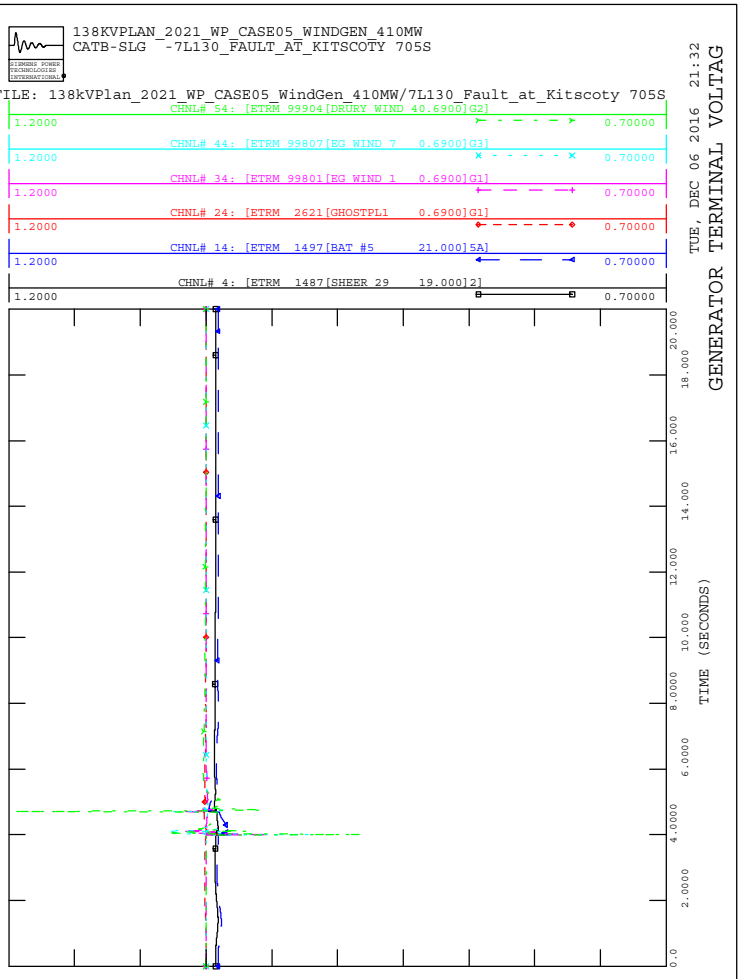
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S

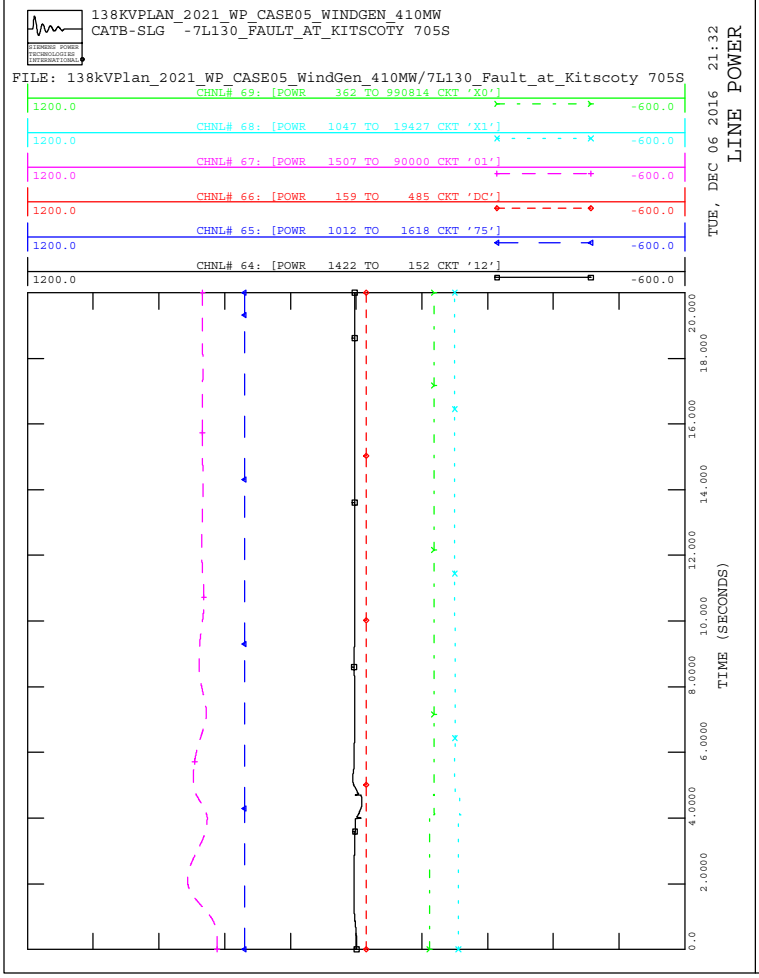
TUE, DEC 06 2016 21:32

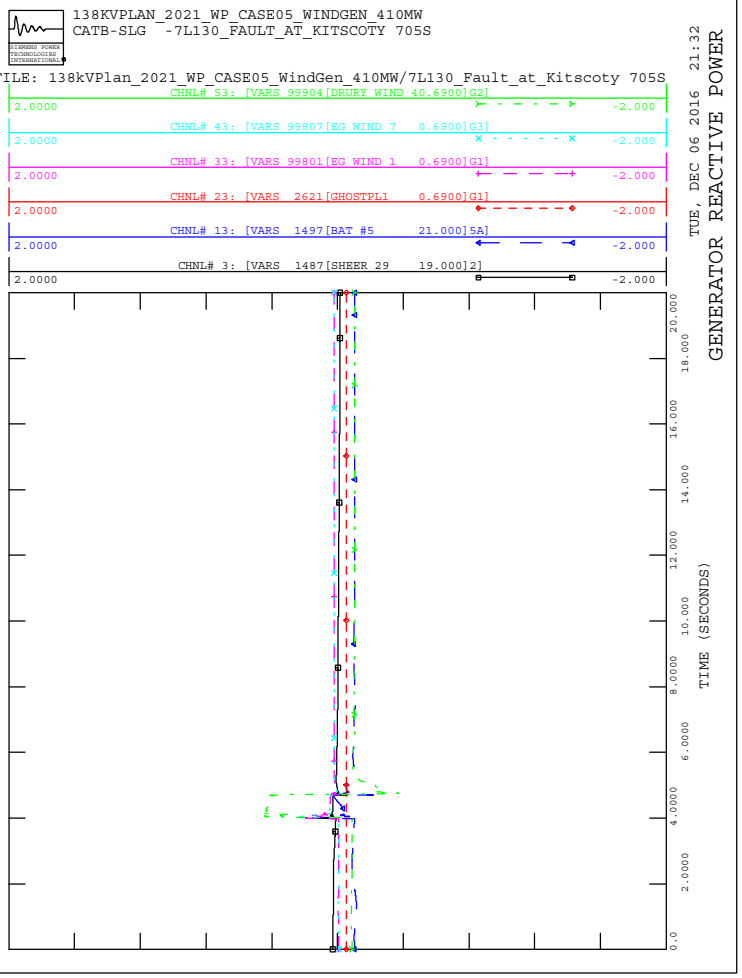
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

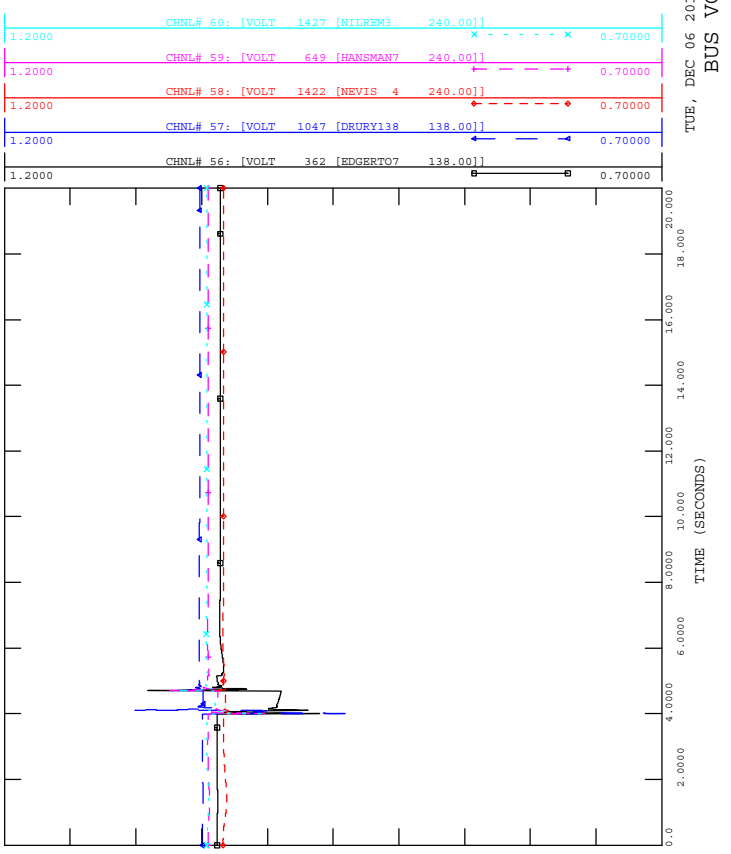

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_Fault_at_Kitscoty 705S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:32

BUS VOLTAGE

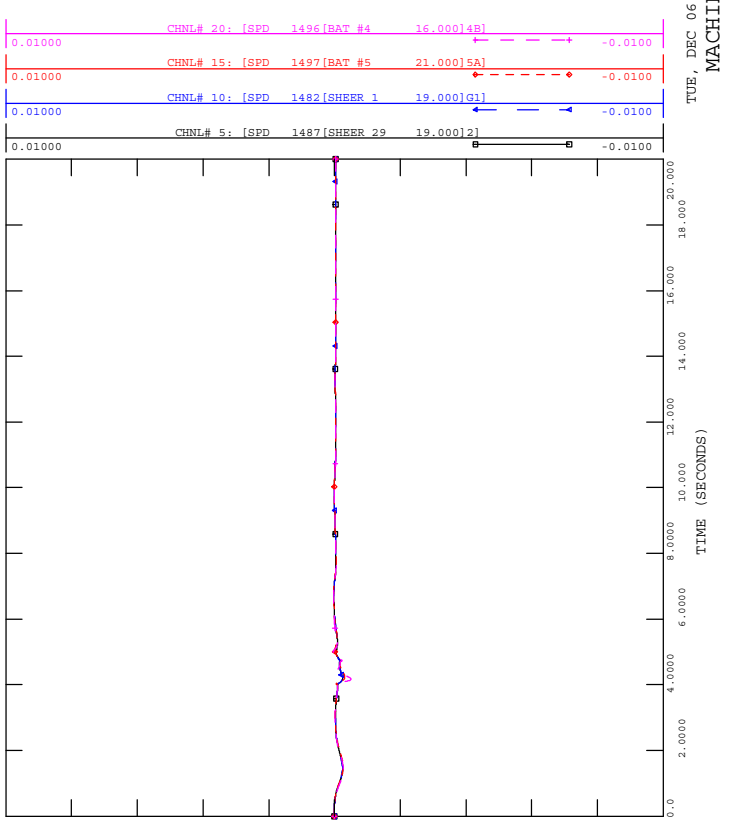


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:32

MACHINE SPEED

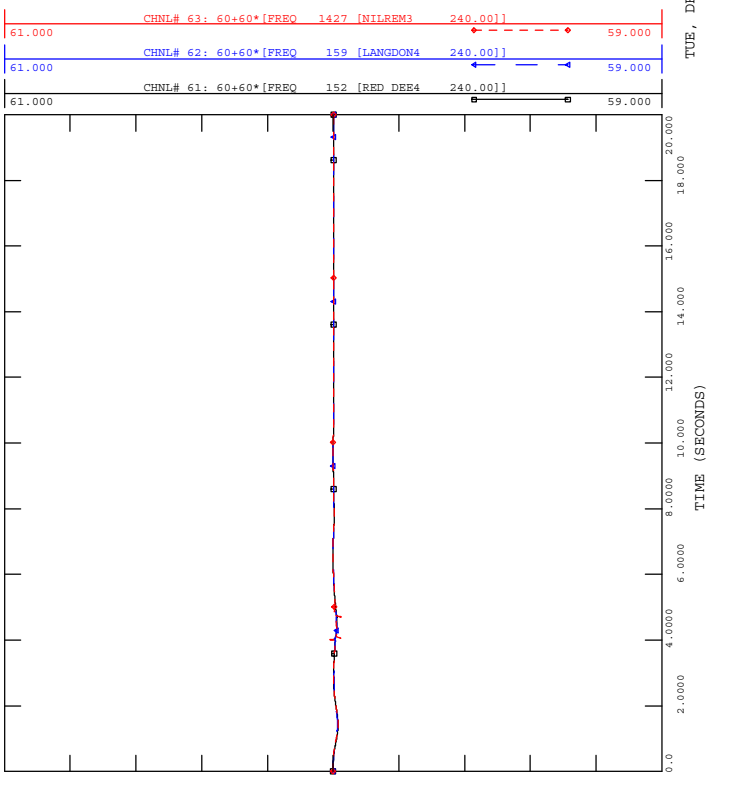


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:32

FREQUENCY

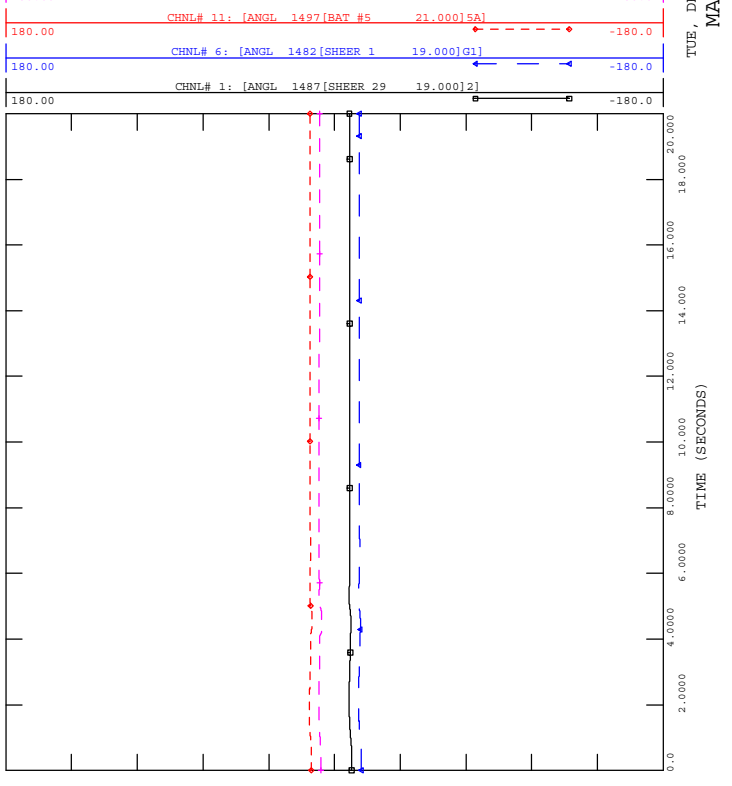


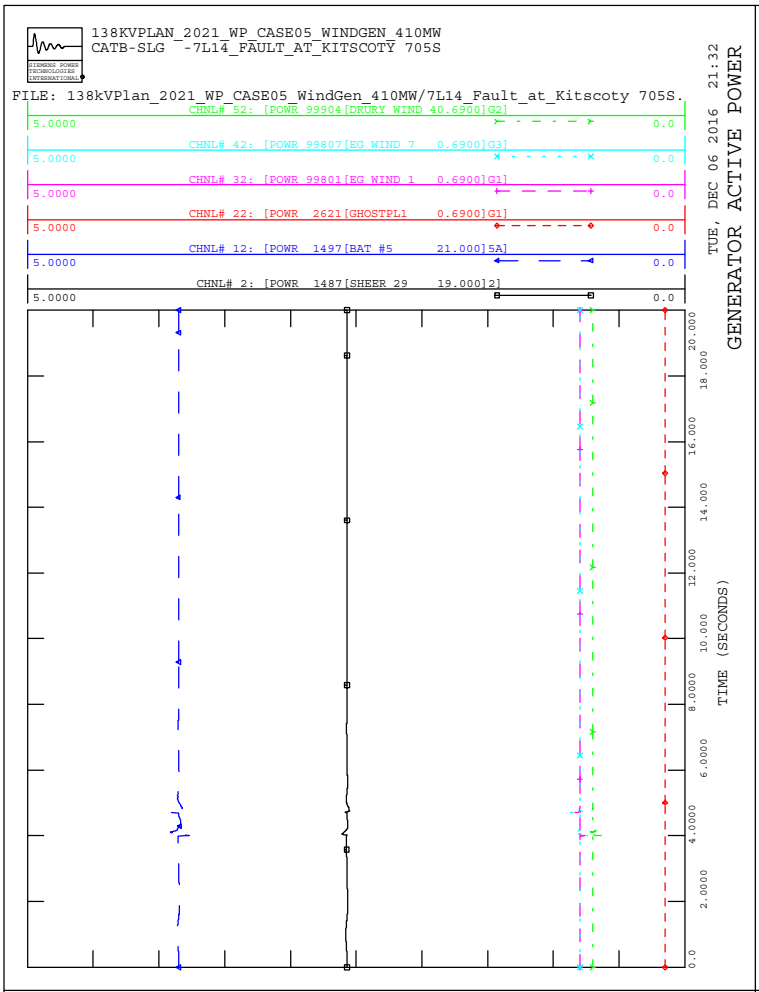
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.

TUE, DEC 06 2016 21:32

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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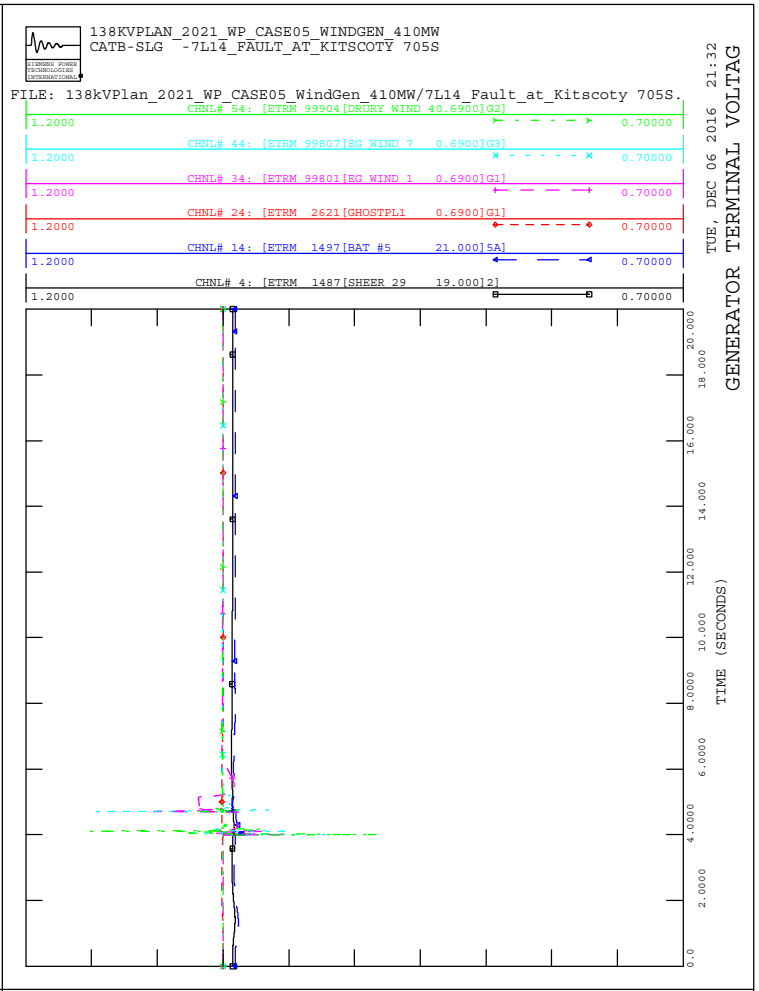
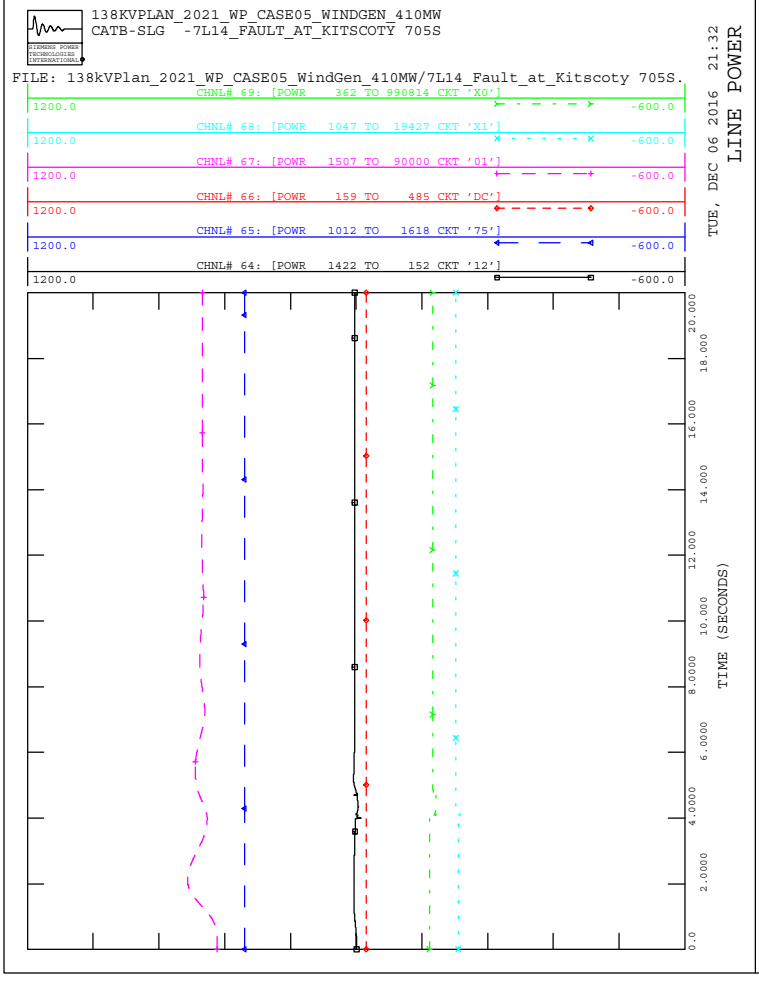
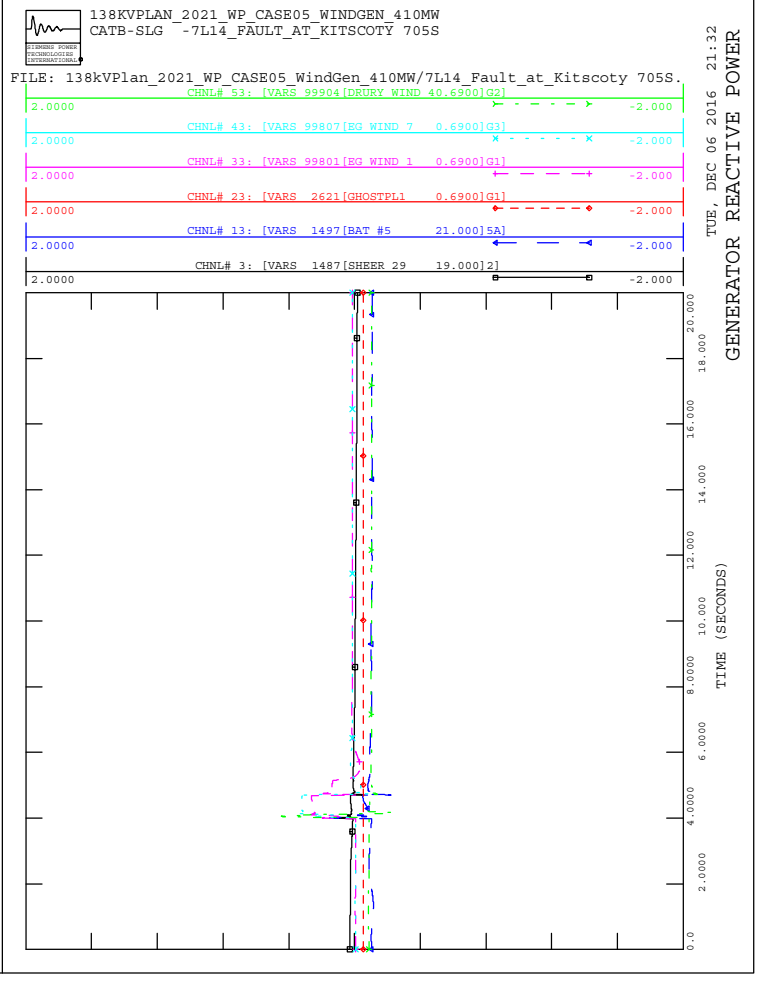
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

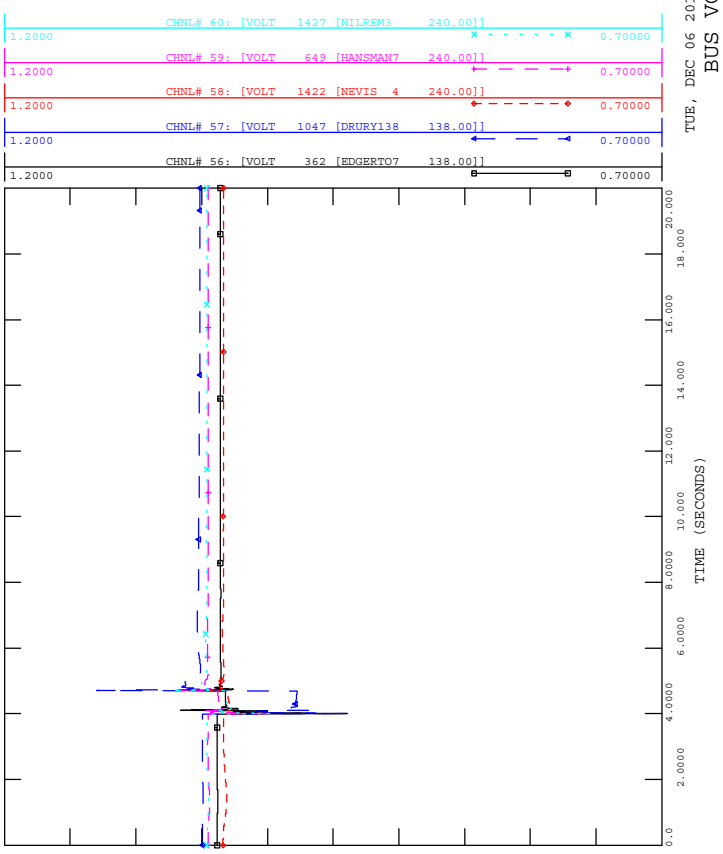

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:32

BUS VOLTAGE

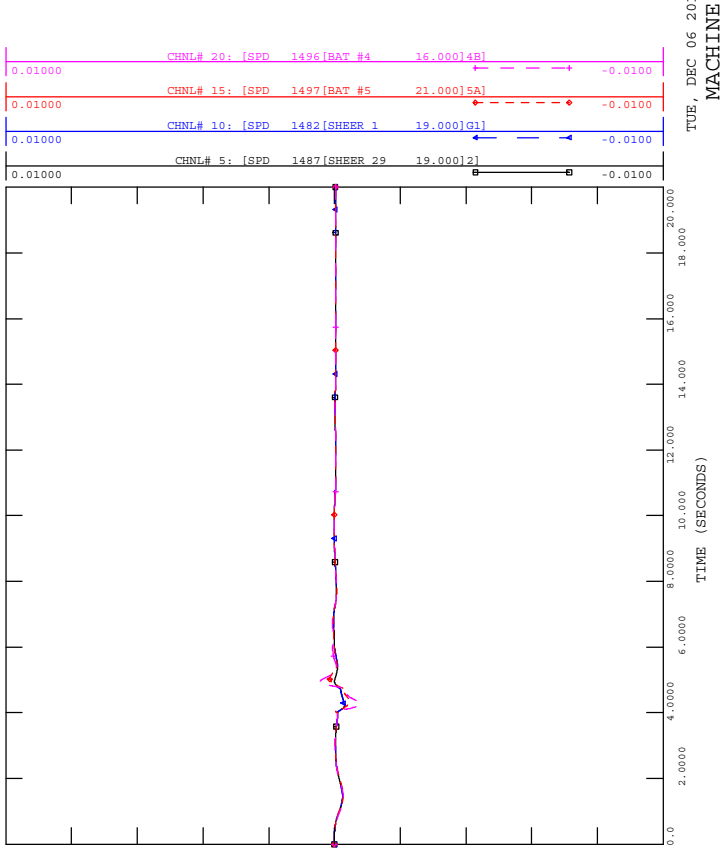


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:32

MACHINE SPEED

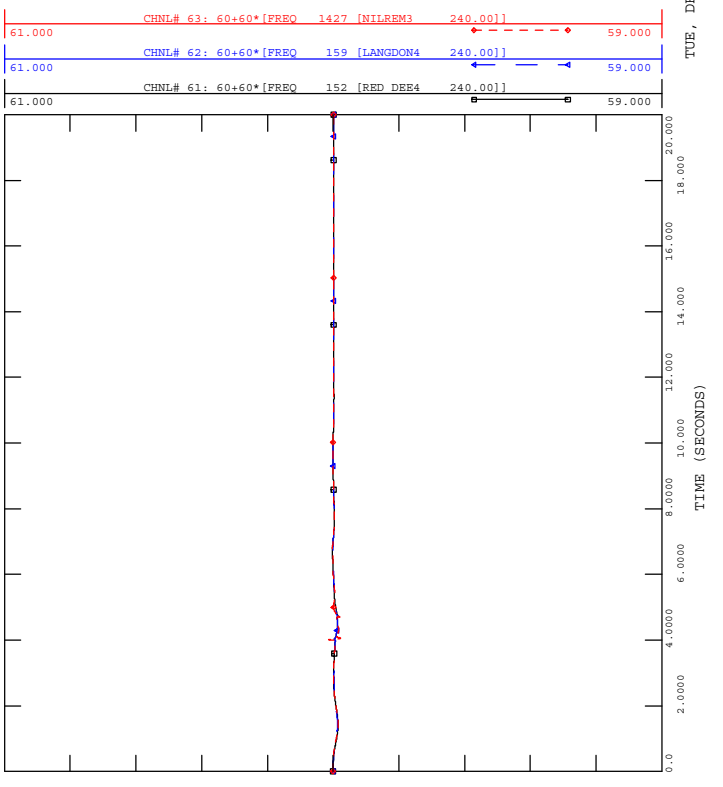


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:32

FREQUENCY

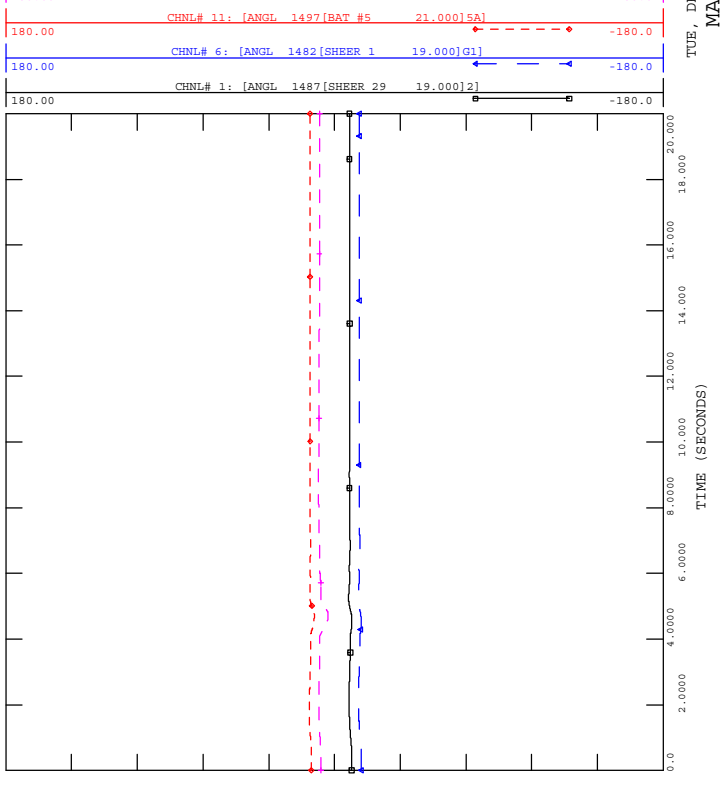


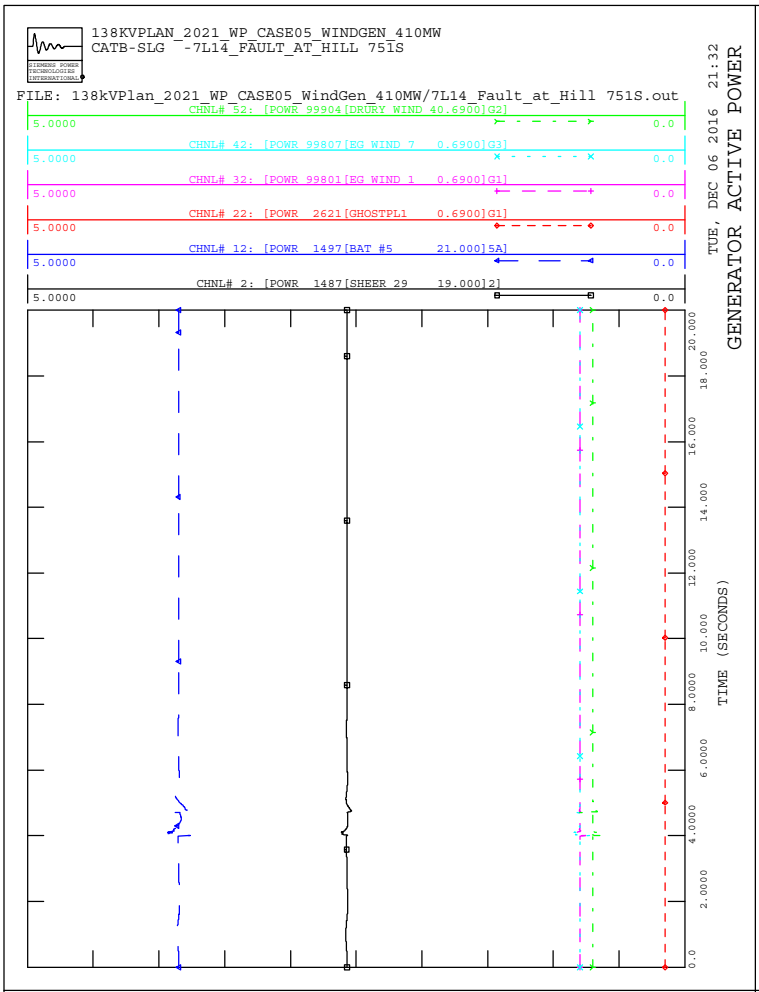
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

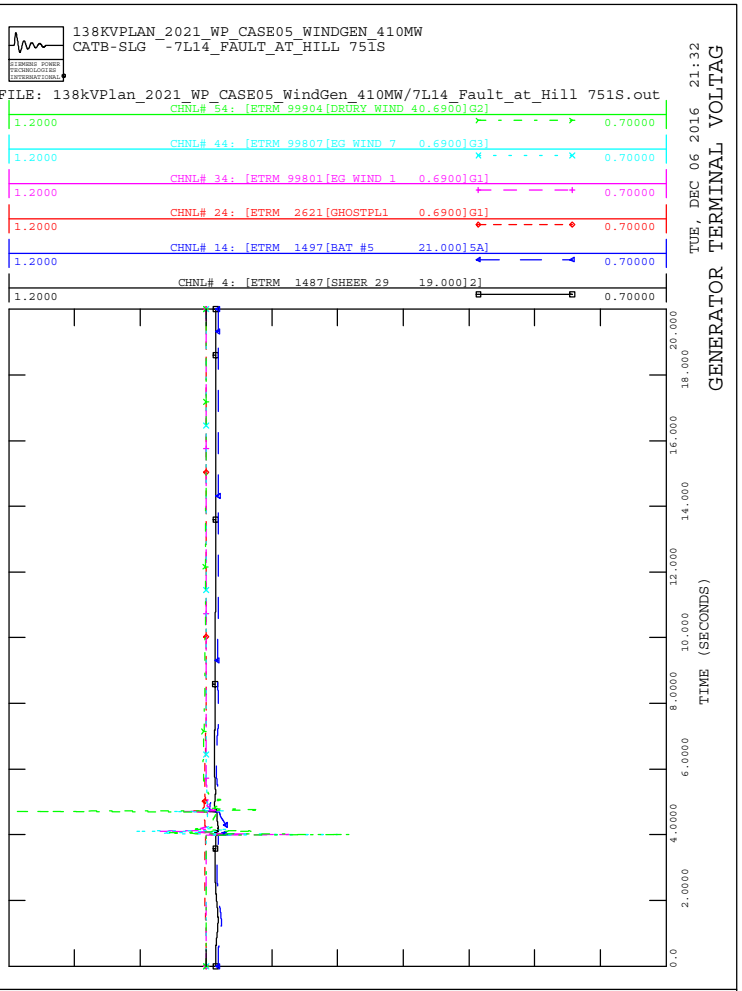
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out

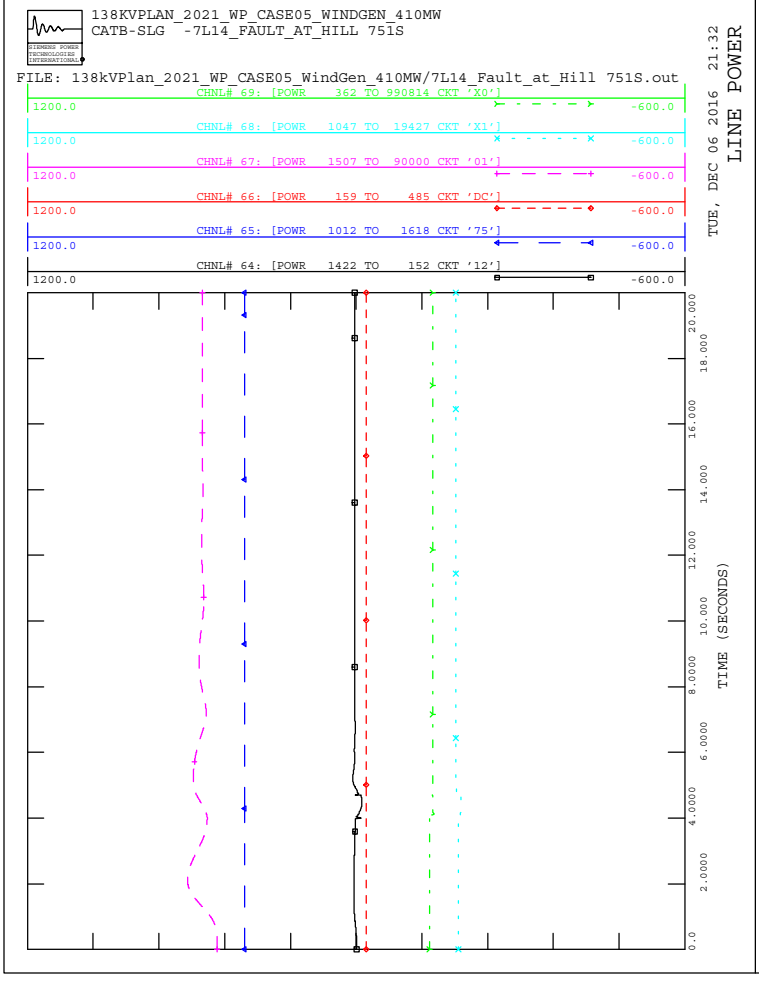
TUE, DEC 06 2016 21:32

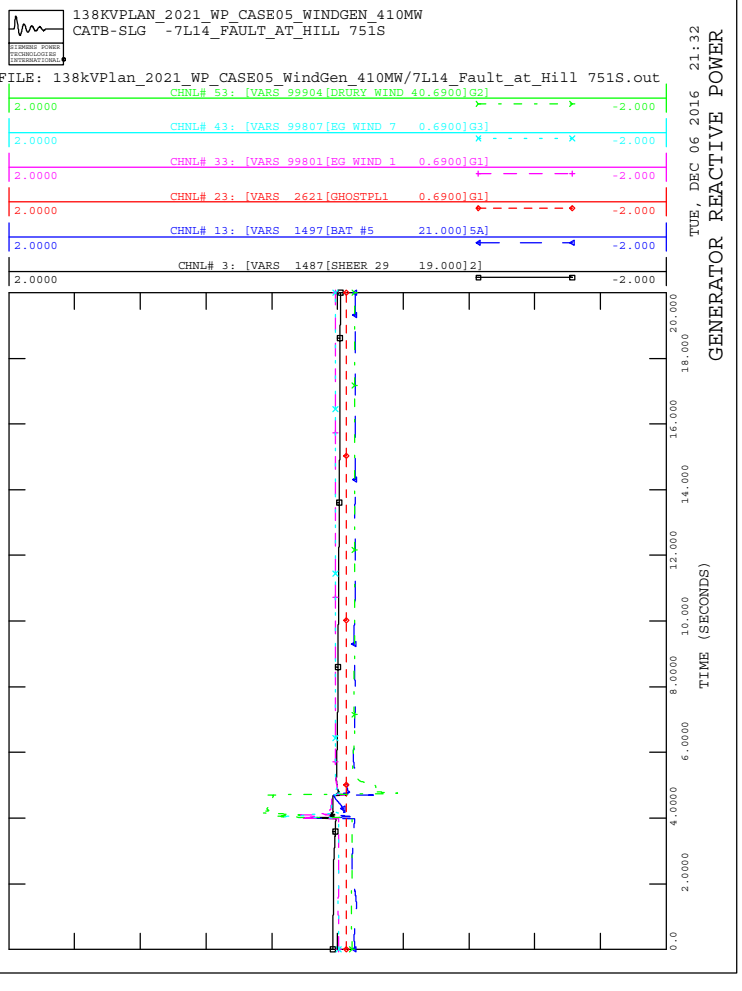
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:32

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:32

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:32

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out

TUE, DEC 06 2016 21:32

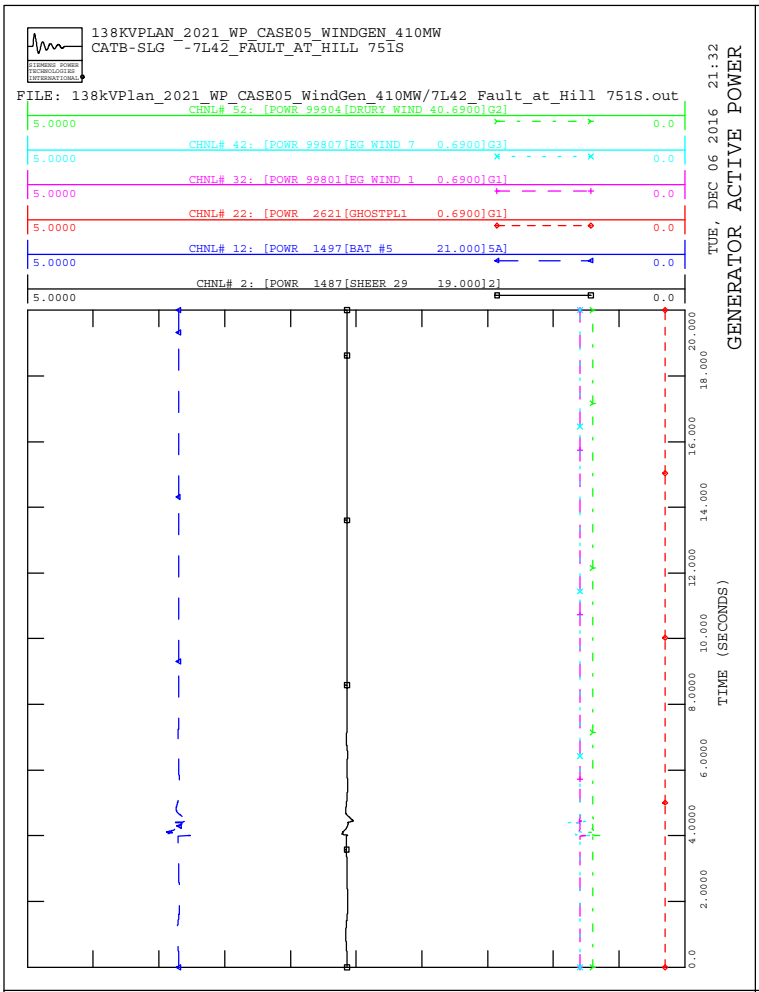
MACHINE ANGLE

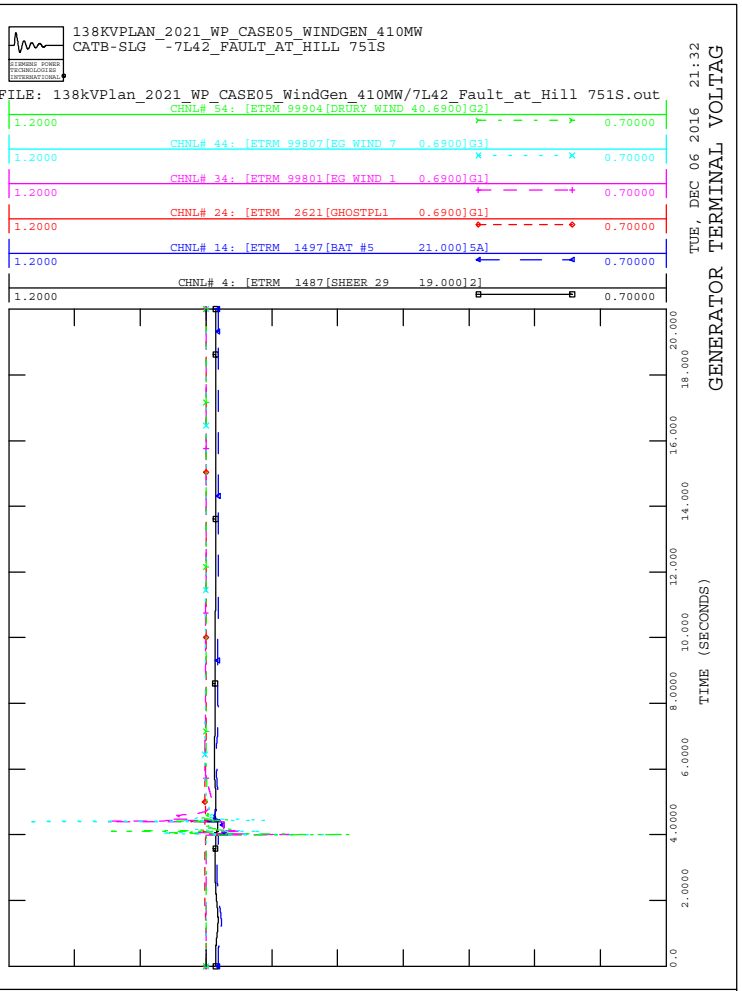
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

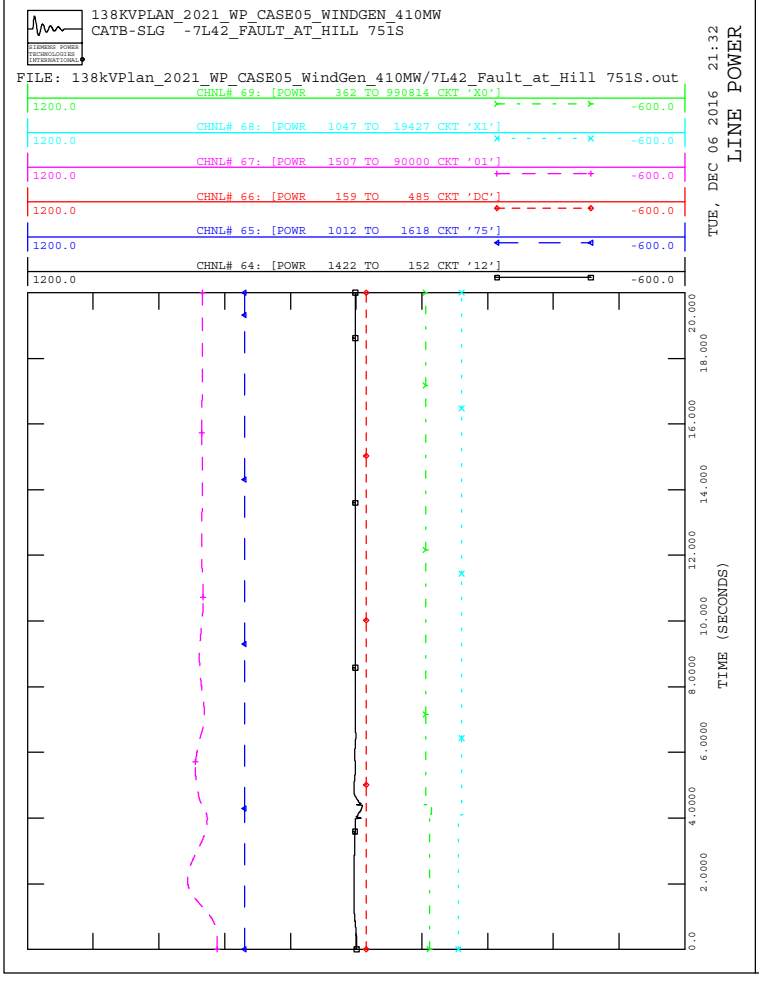
180.00 / -180.0

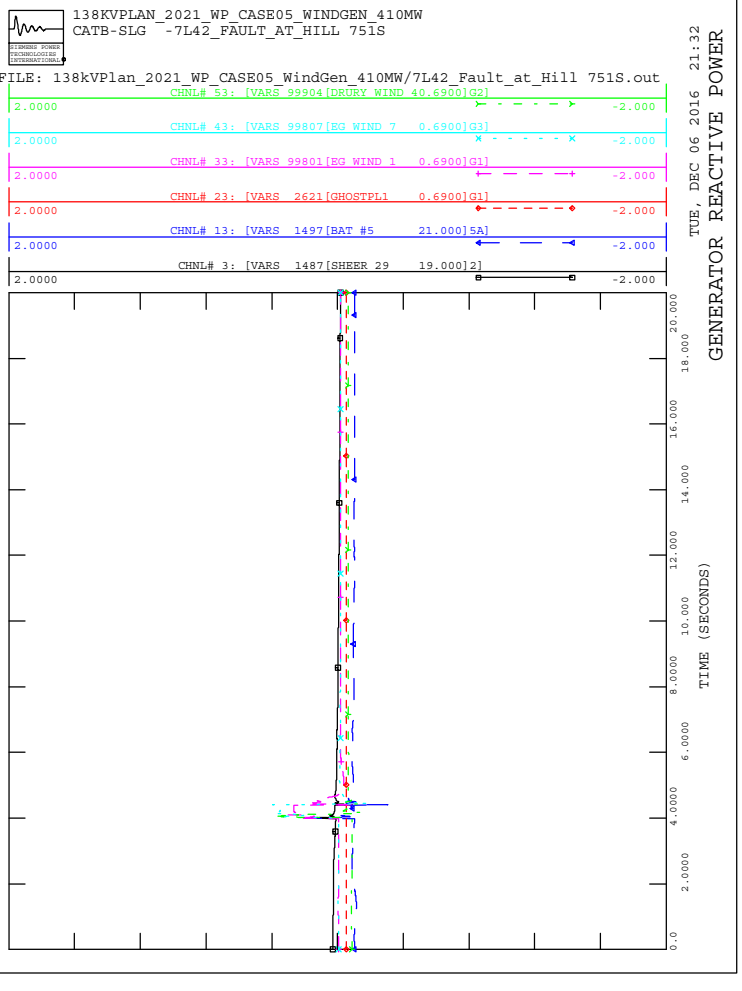
TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

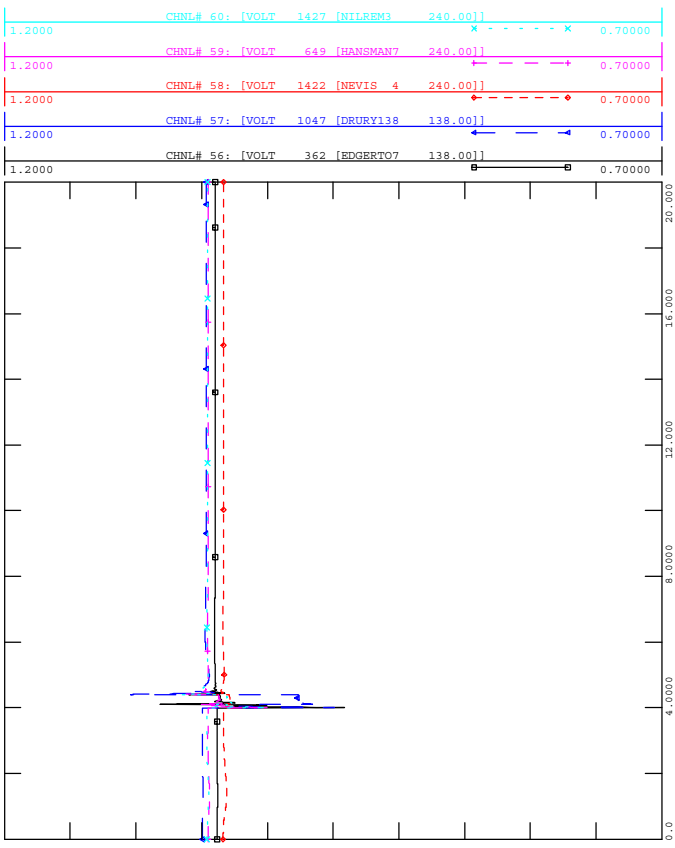

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7

TUE, DEC 06 2016 21:32

BUS VOLTAGE

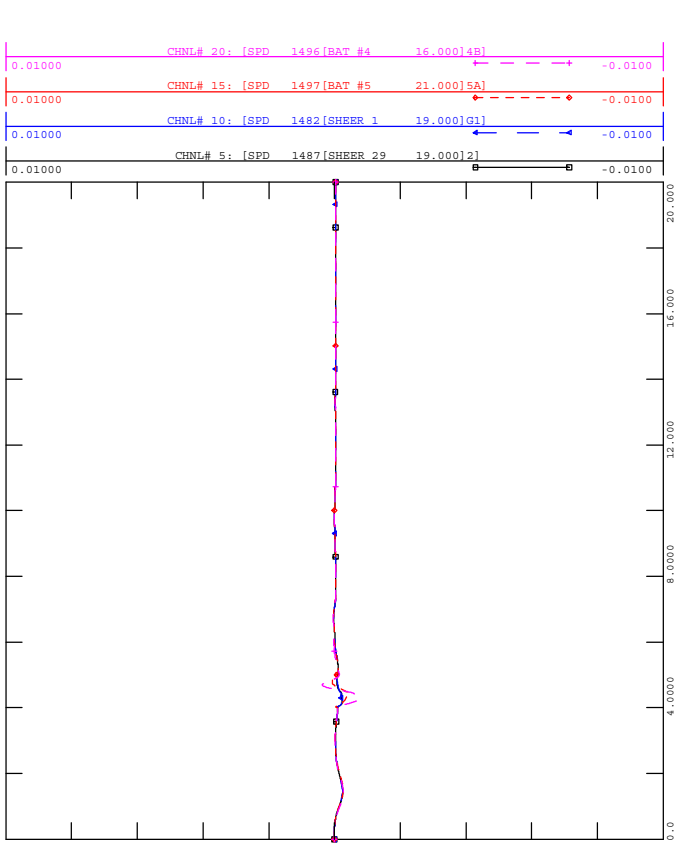


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7

TUE, DEC 06 2016 21:32

MACHINE SPEED

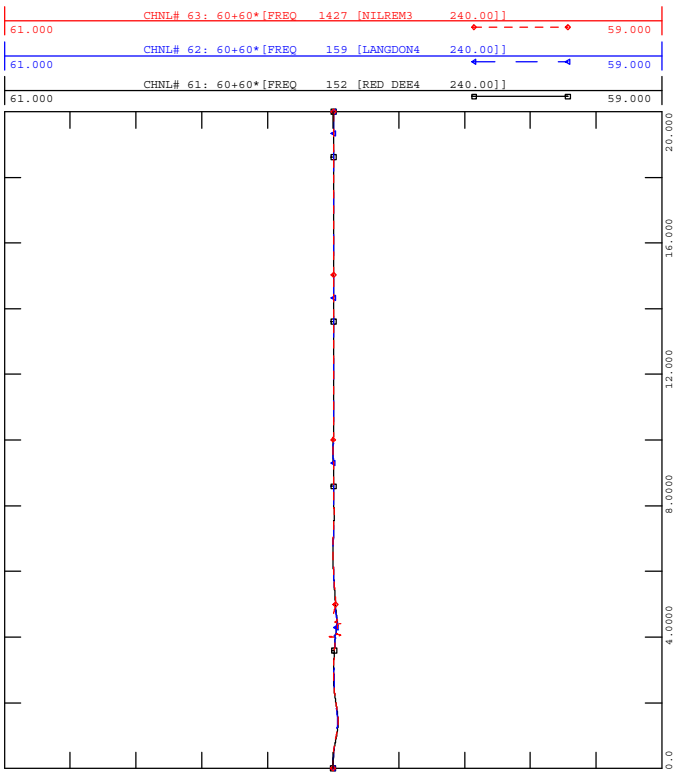


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7

TUE, DEC 06 2016 21:32

FREQUENCY

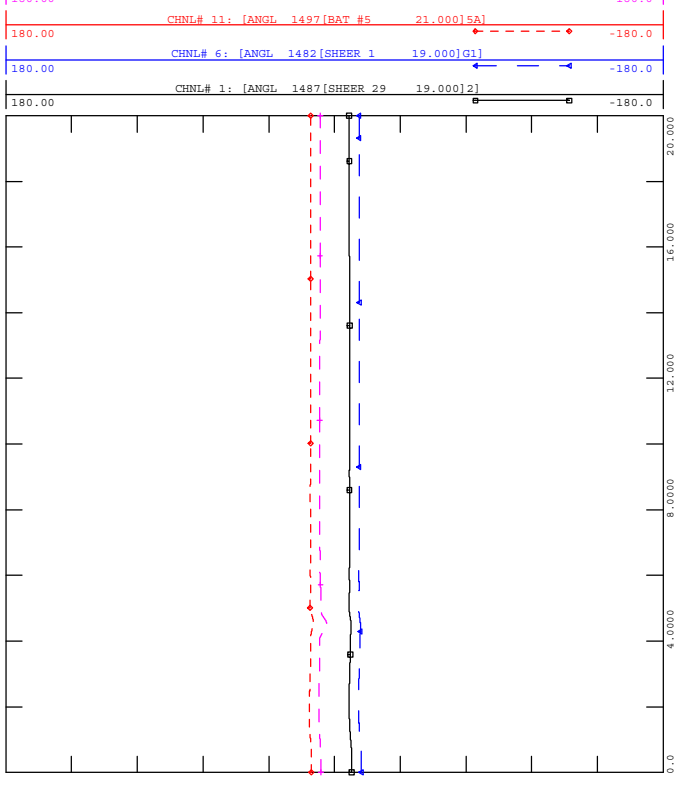


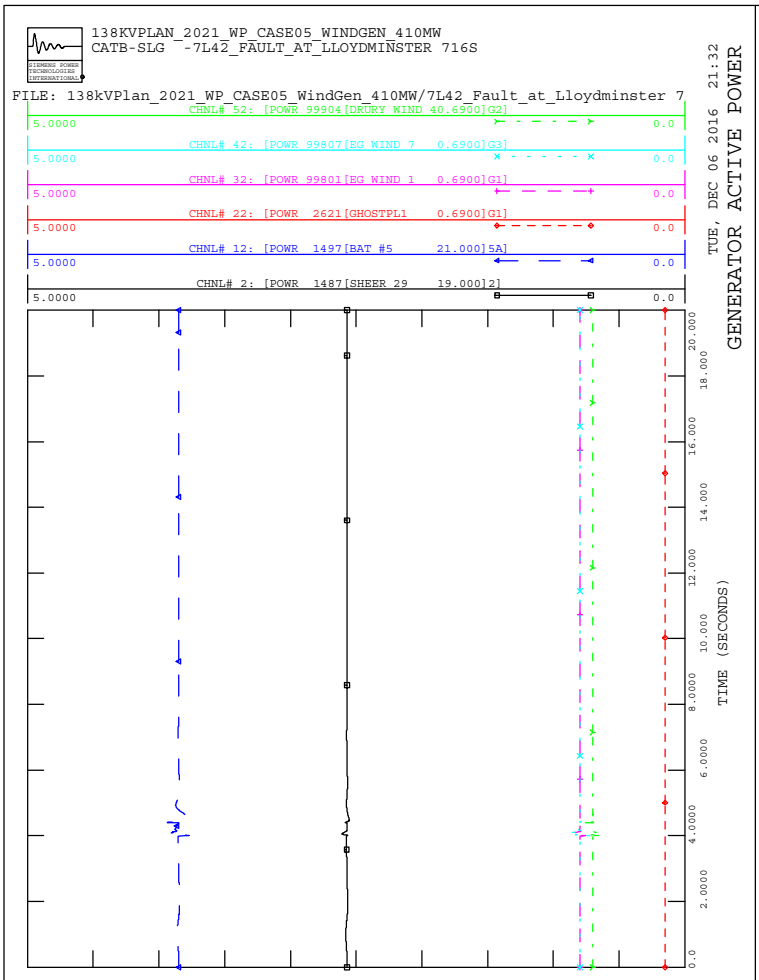
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

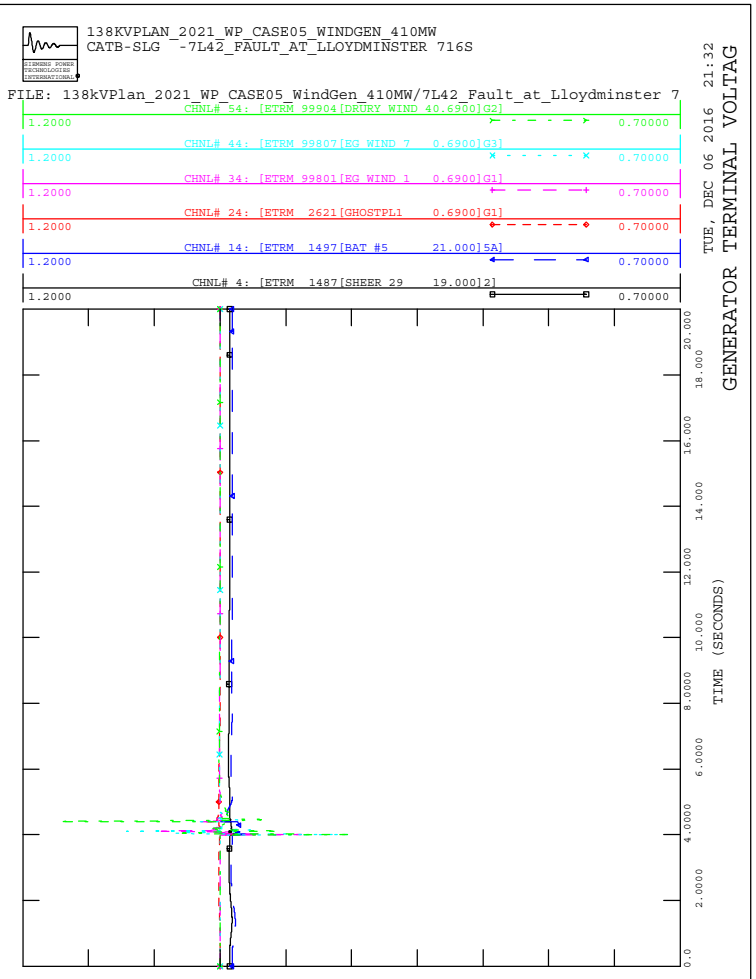
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7

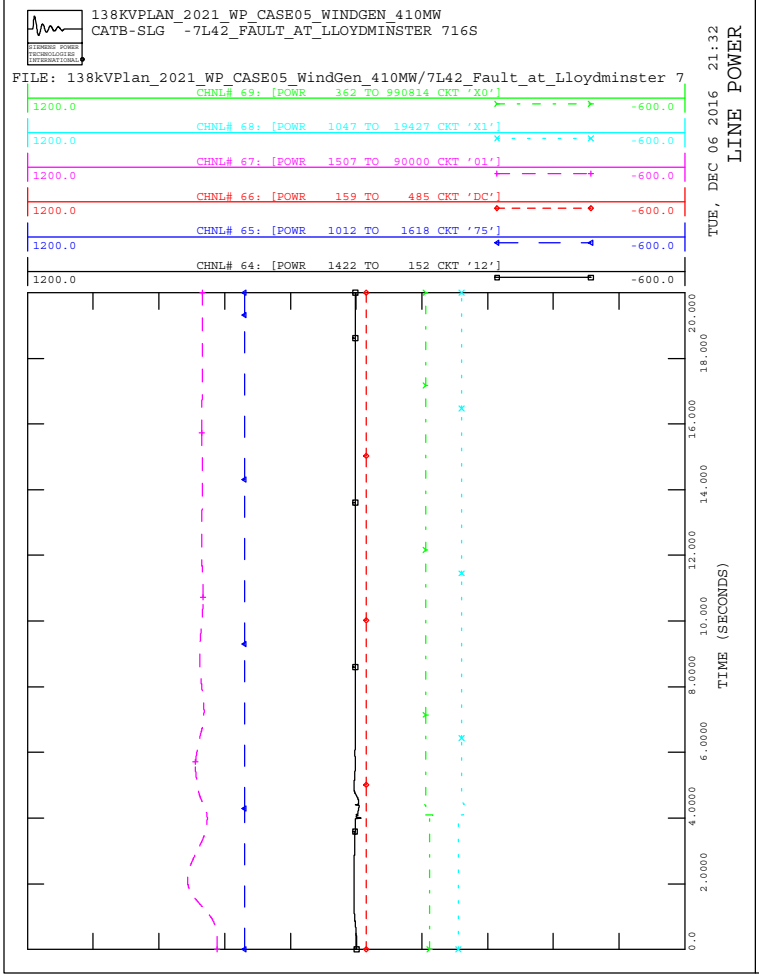
TUE, DEC 06 2016 21:32

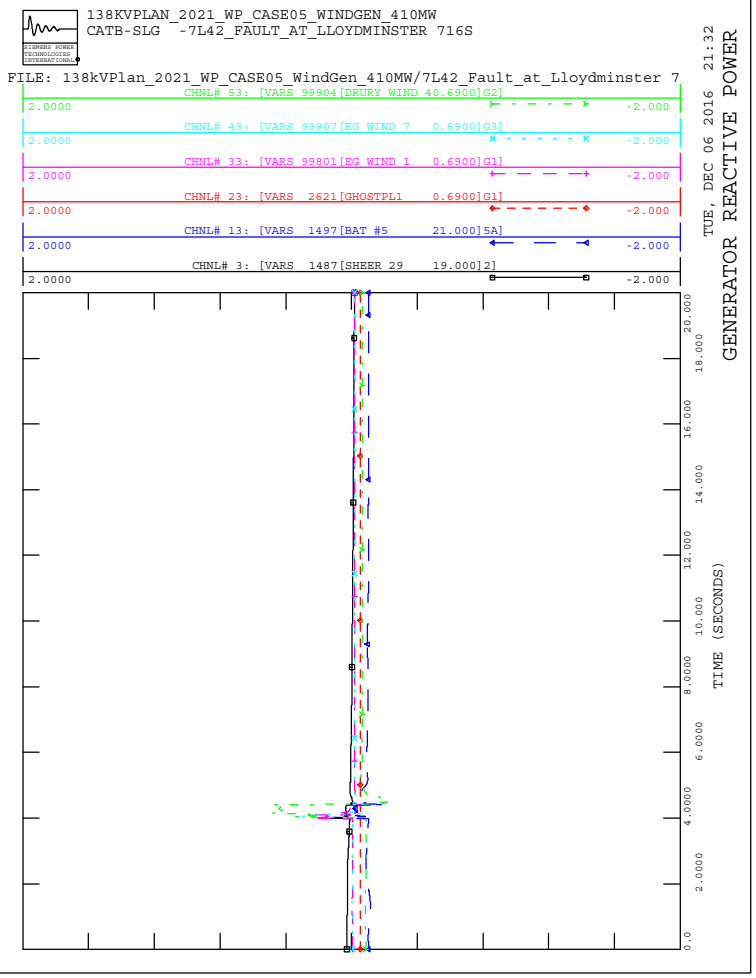
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

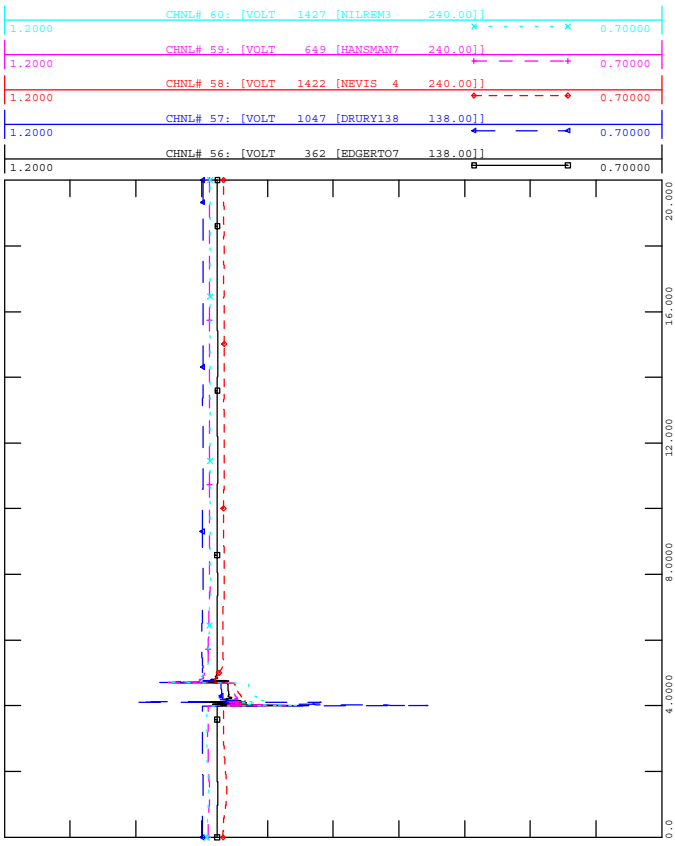

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L42_Fault_at_Lloydminster 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek

TUE, DEC 06 2016 21:32

BUS VOLTAGE

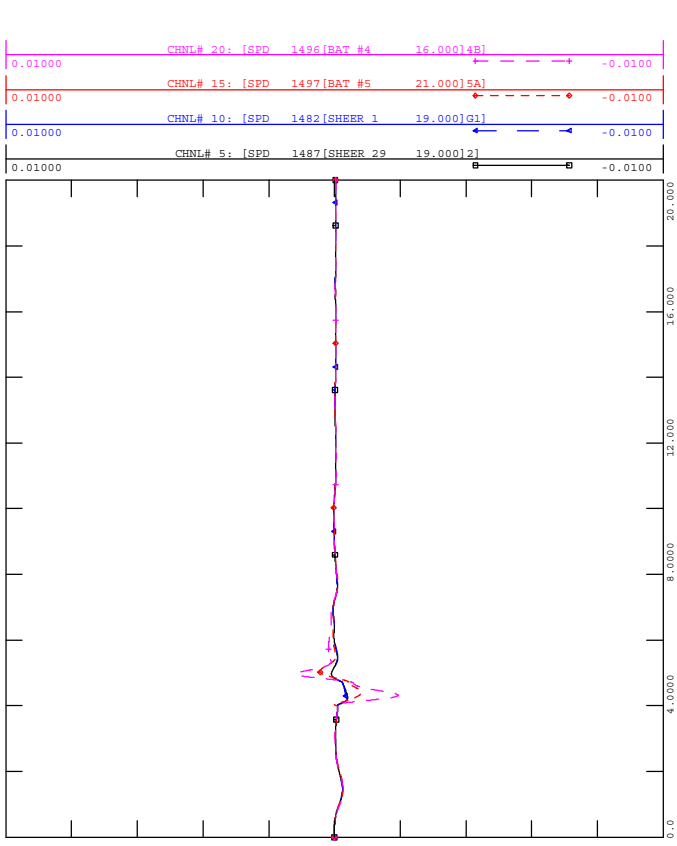


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek

TUE, DEC 06 2016 21:32

MACHINE SPEED

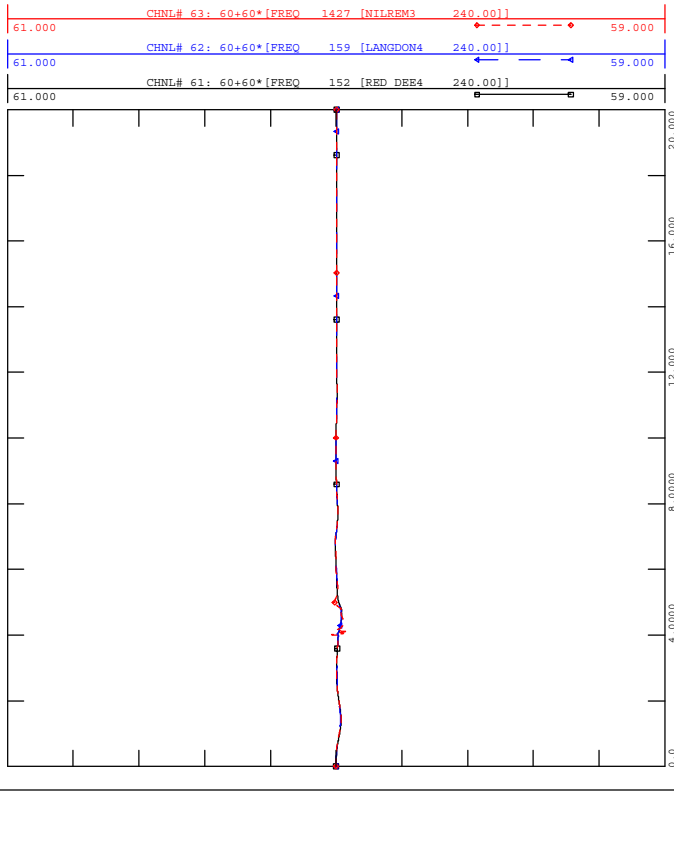


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek

TUE, DEC 06 2016 21:32

FREQUENCY

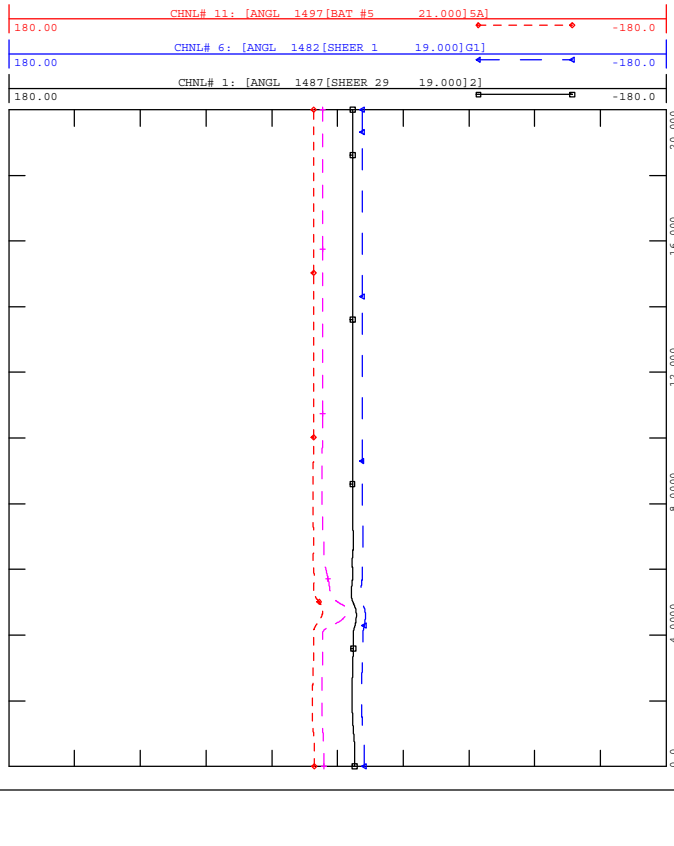


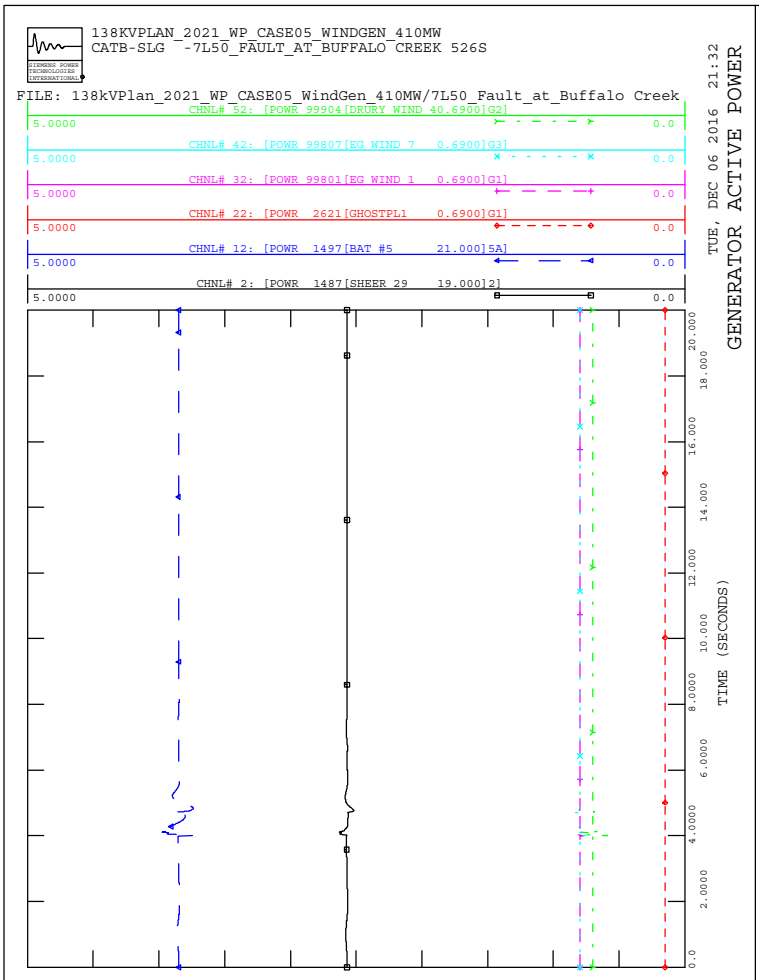
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

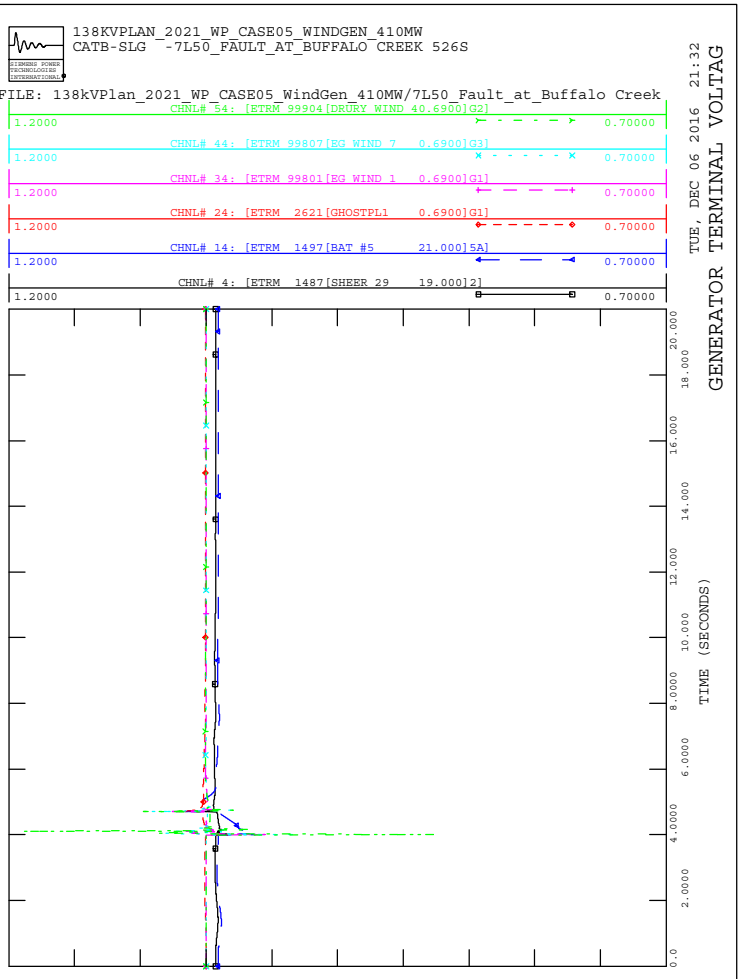
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek

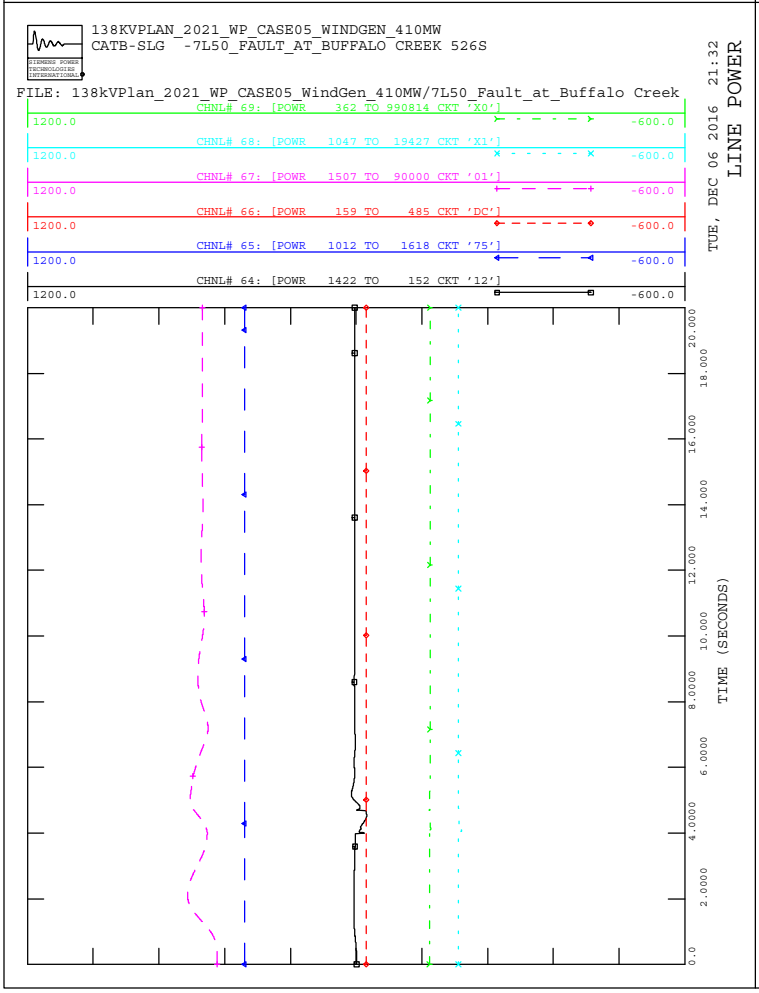
TUE, DEC 06 2016 21:32

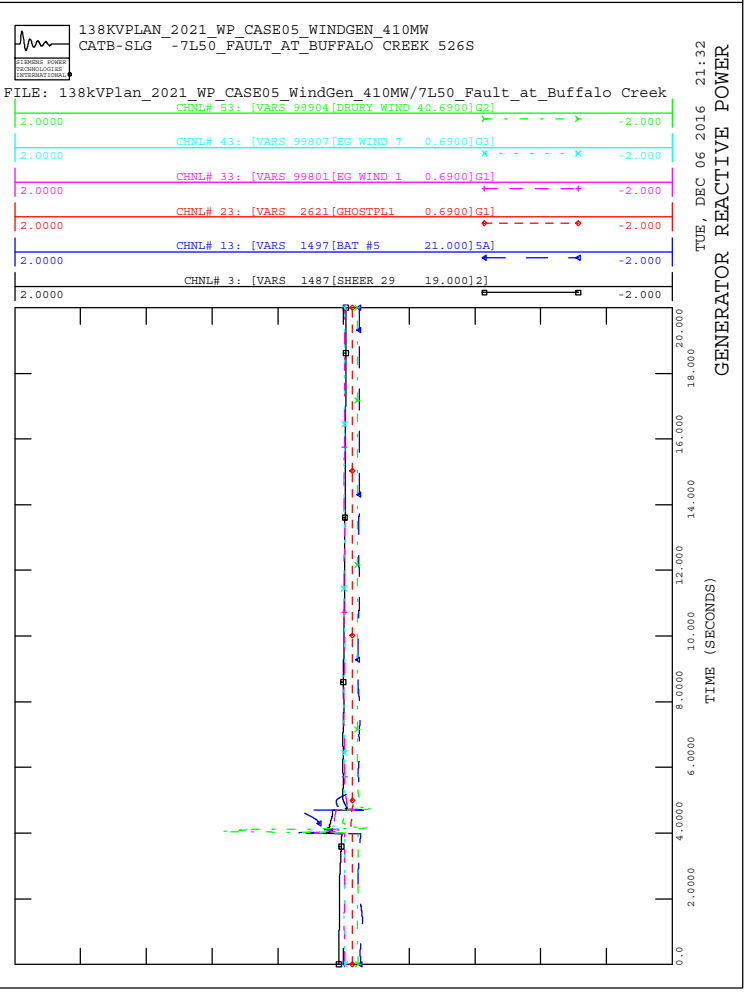
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

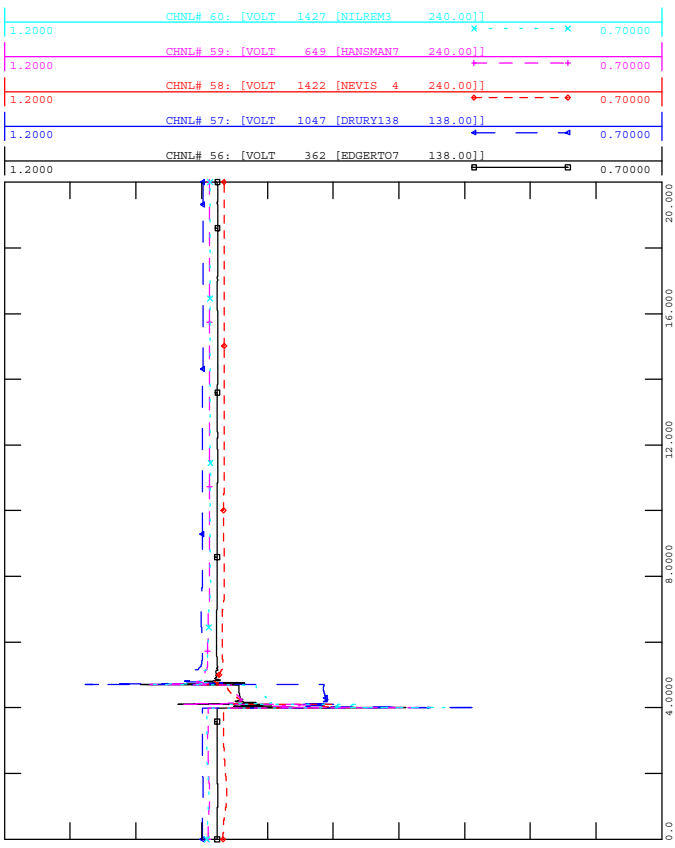

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7

TUE, DEC 06 2016 21:32

BUS VOLTAGE

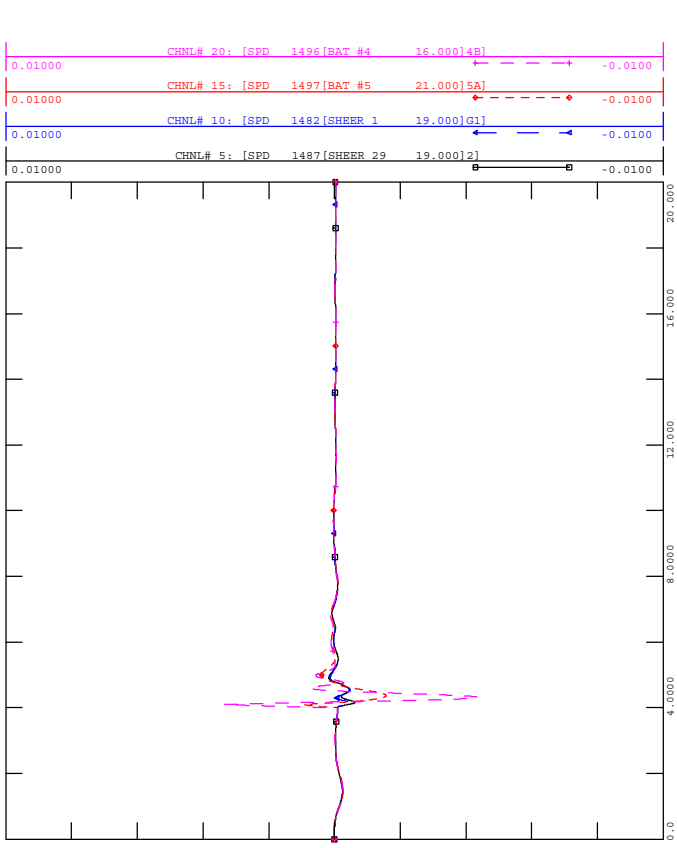


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7

TUE, DEC 06 2016 21:32

MACHINE SPEED

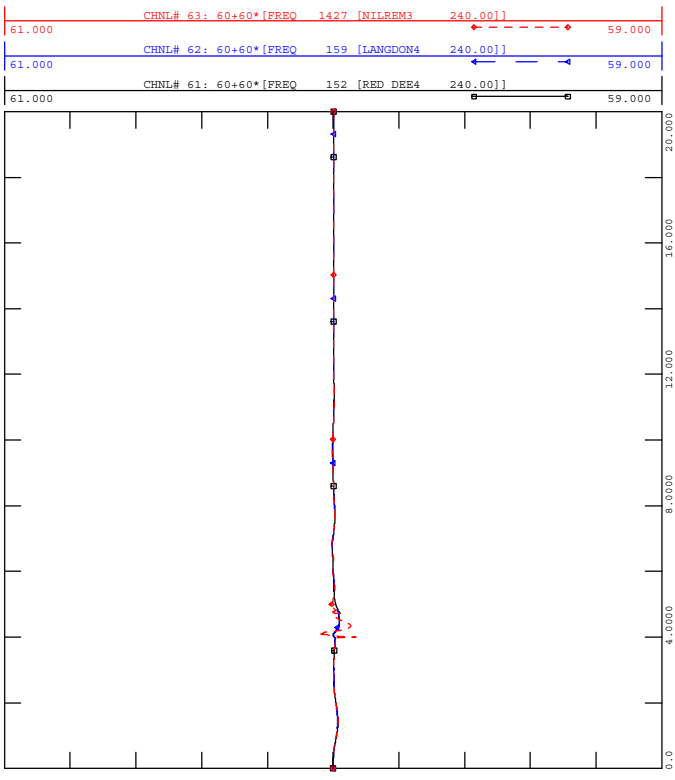


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7

TUE, DEC 06 2016 21:32

FREQUENCY

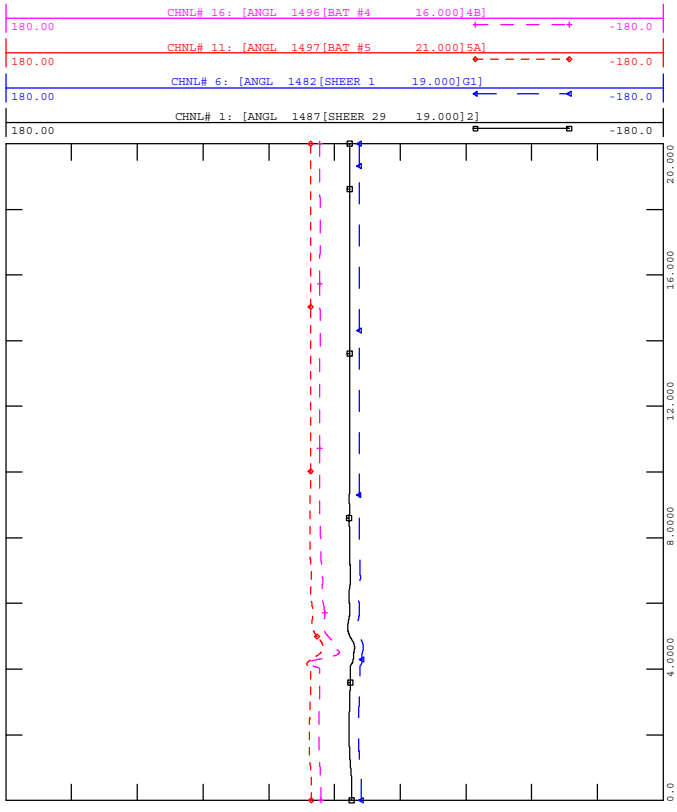


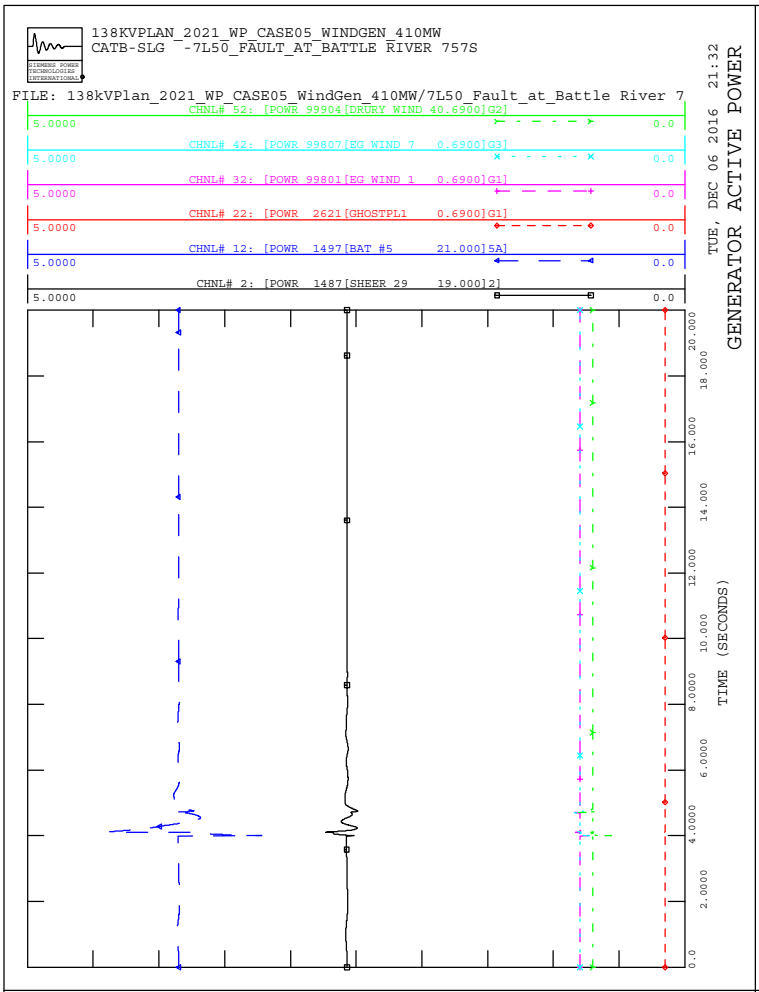
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

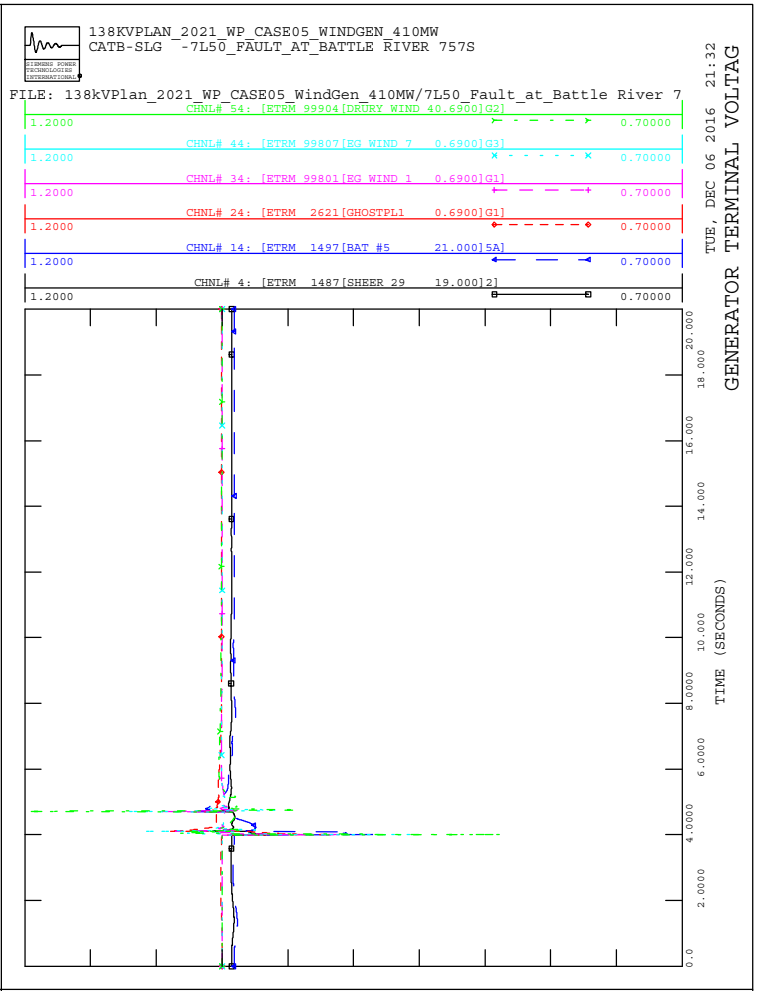
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7

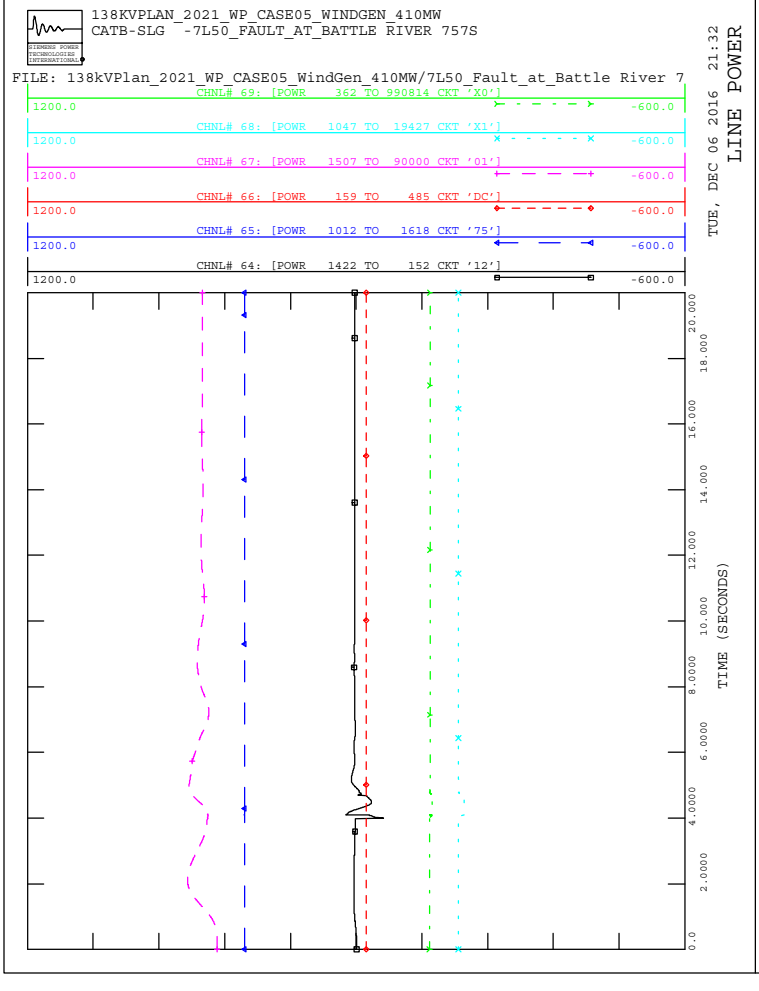
TUE, DEC 06 2016 21:32

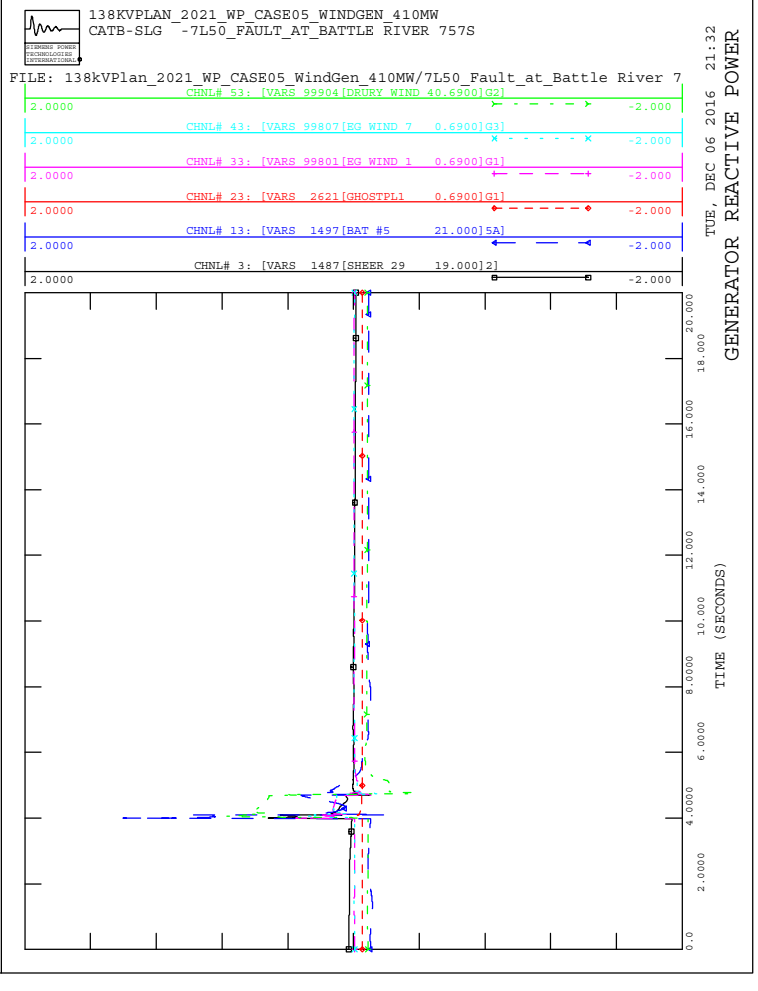
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

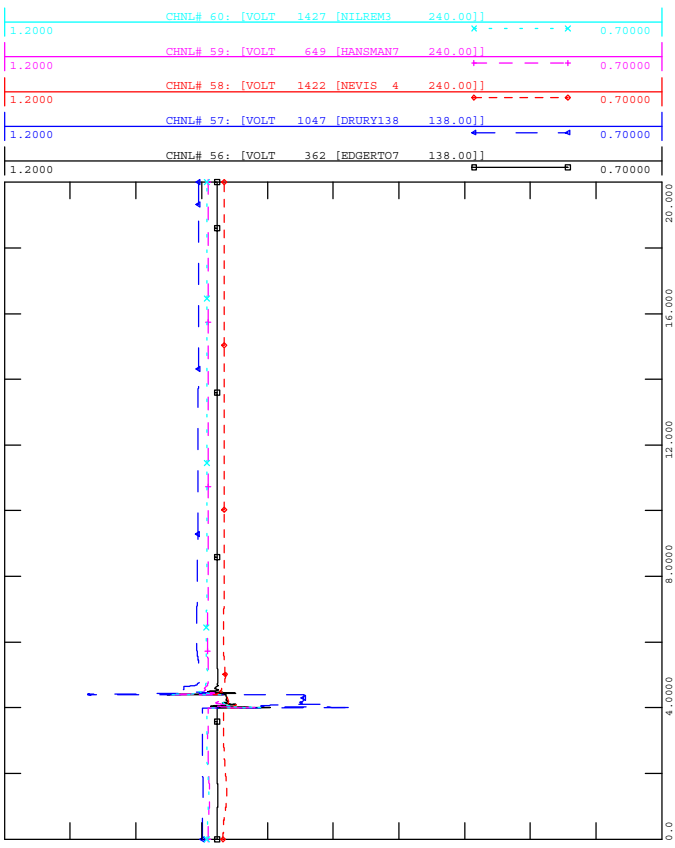

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:32

BUS VOLTAGE

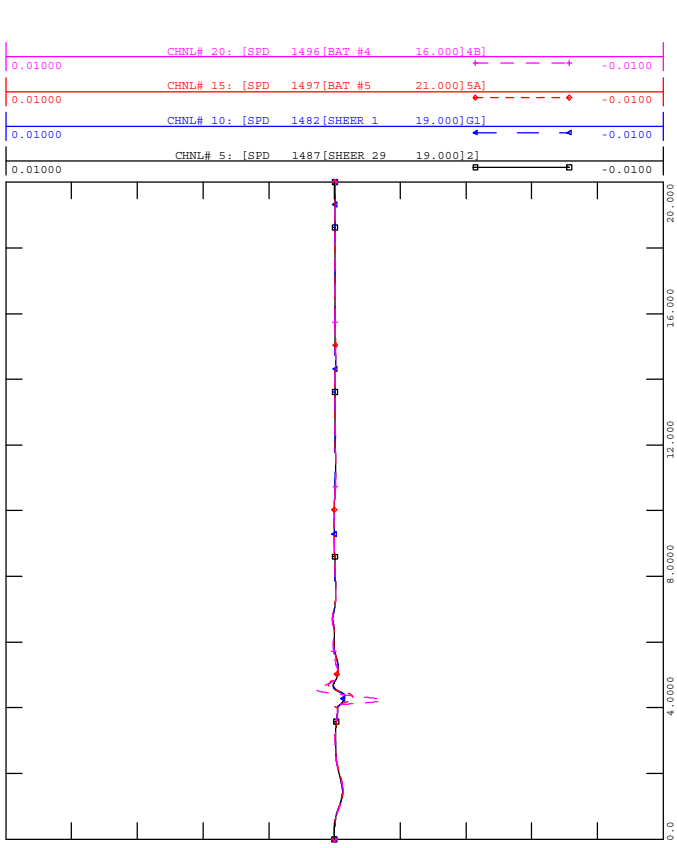


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:32

MACHINE SPEED

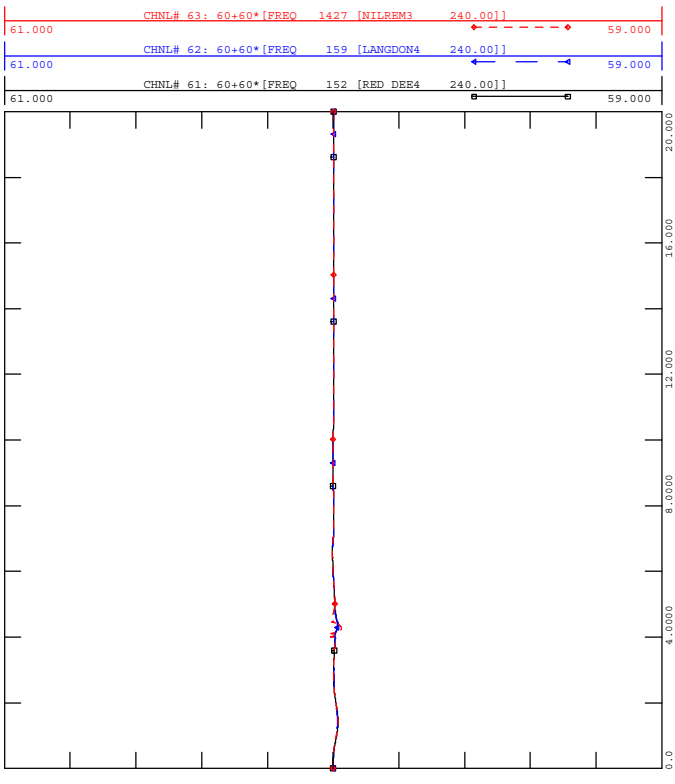


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:32

FREQUENCY

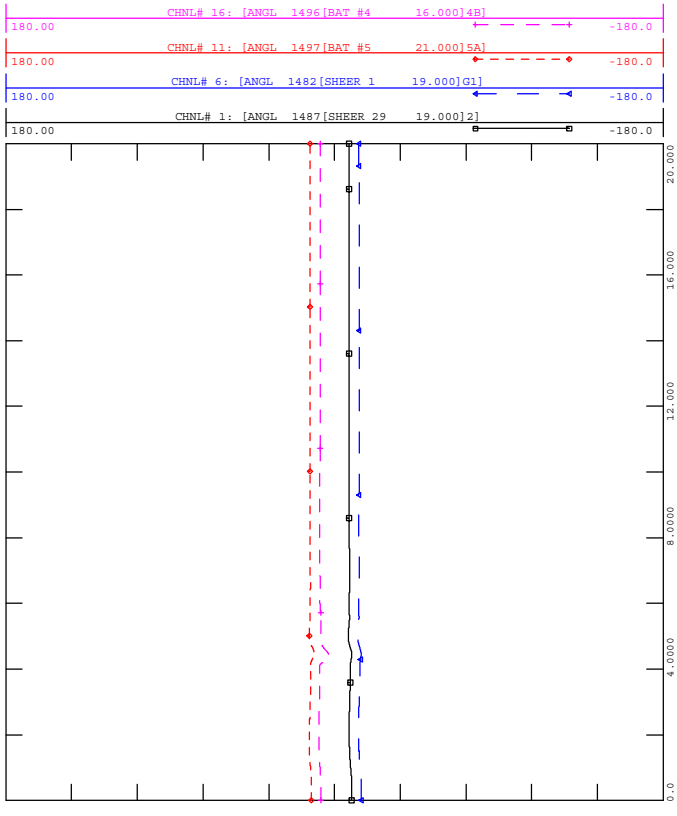


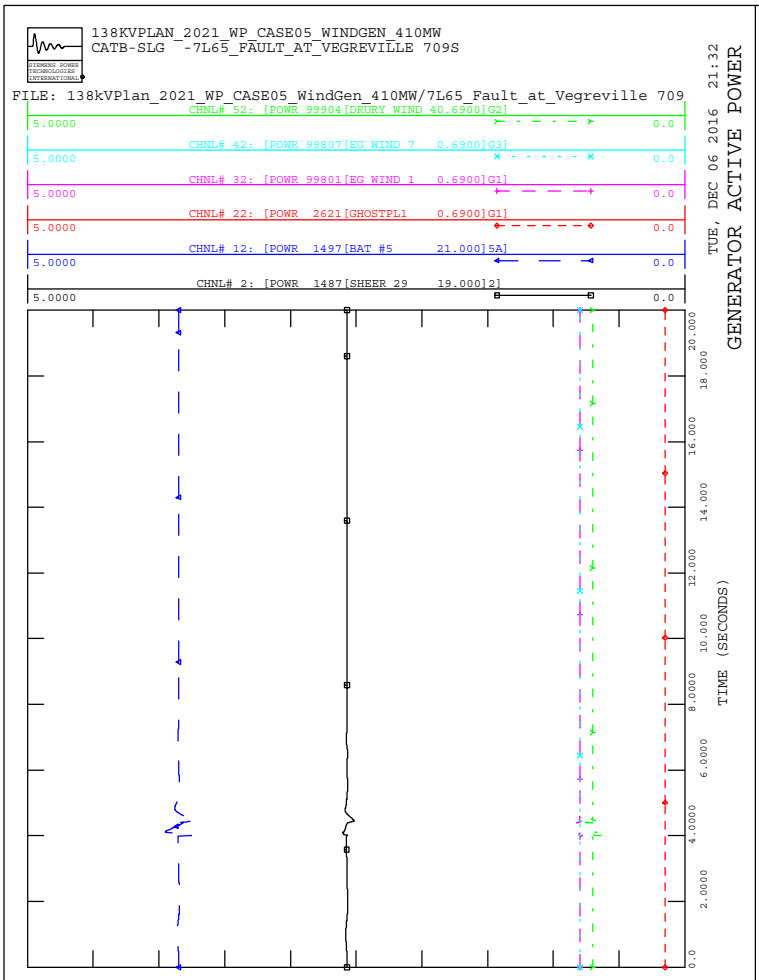
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:32

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
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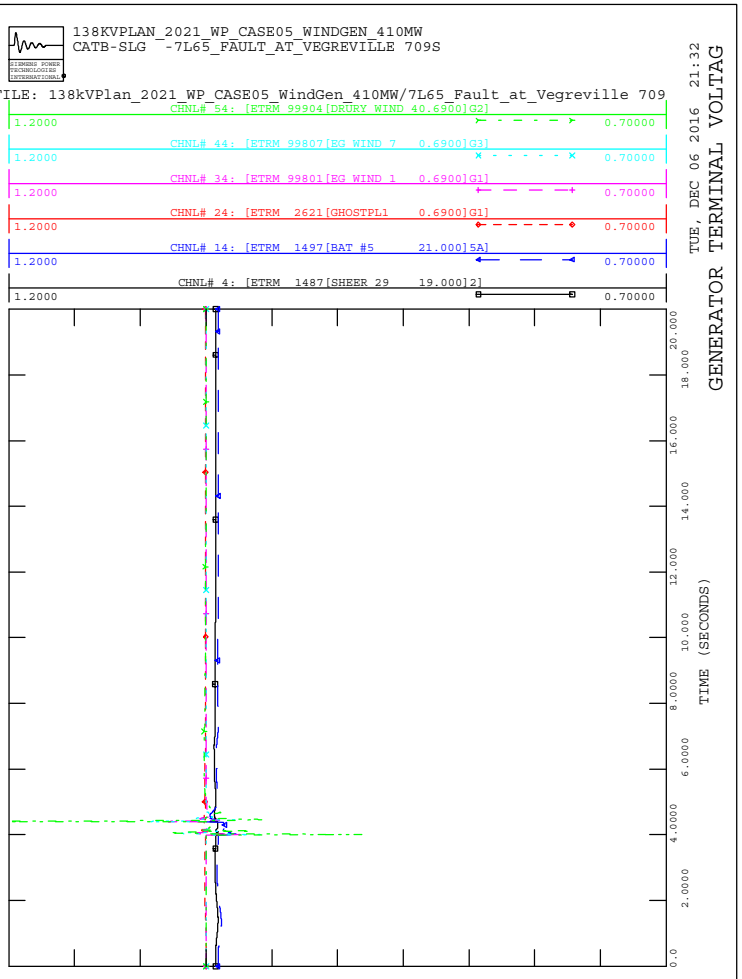
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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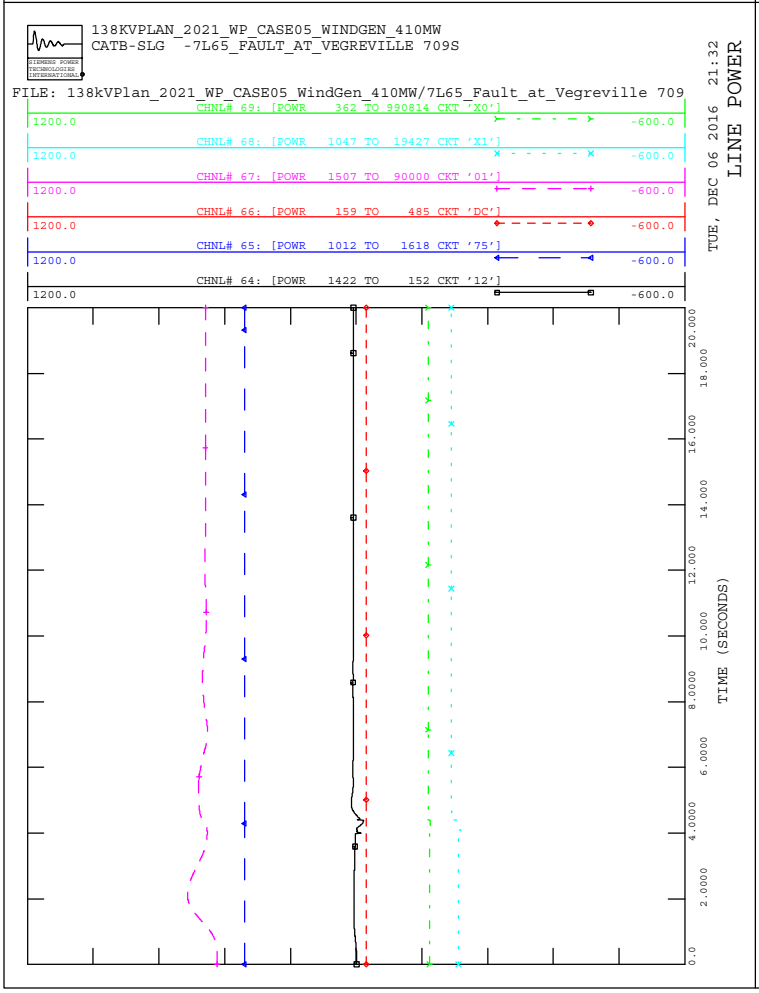
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
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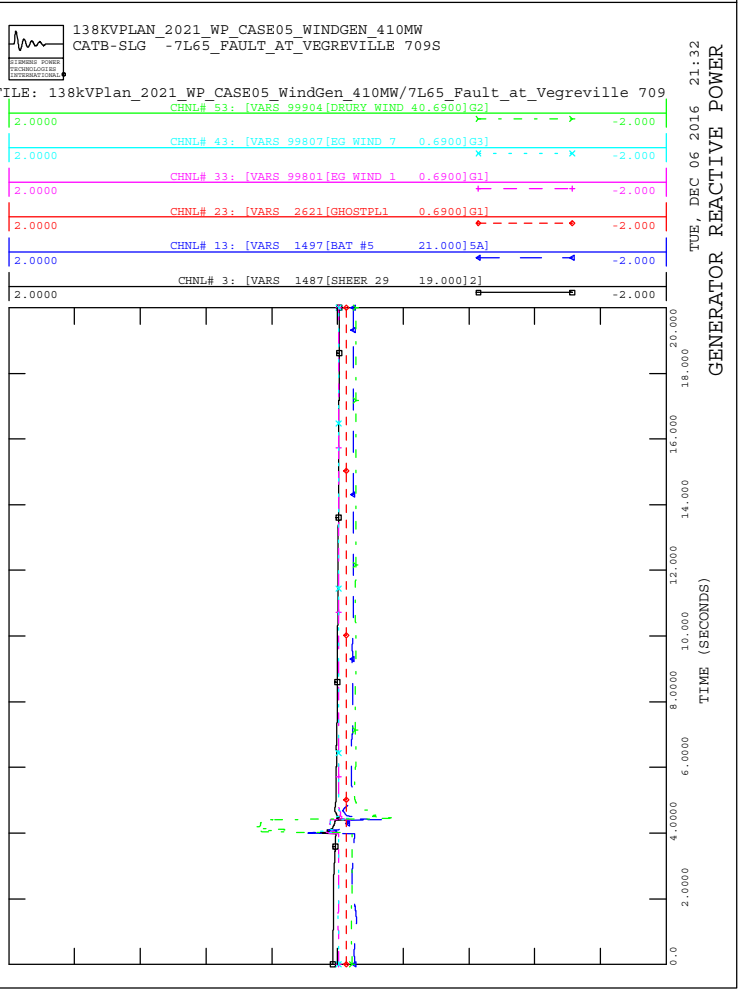
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
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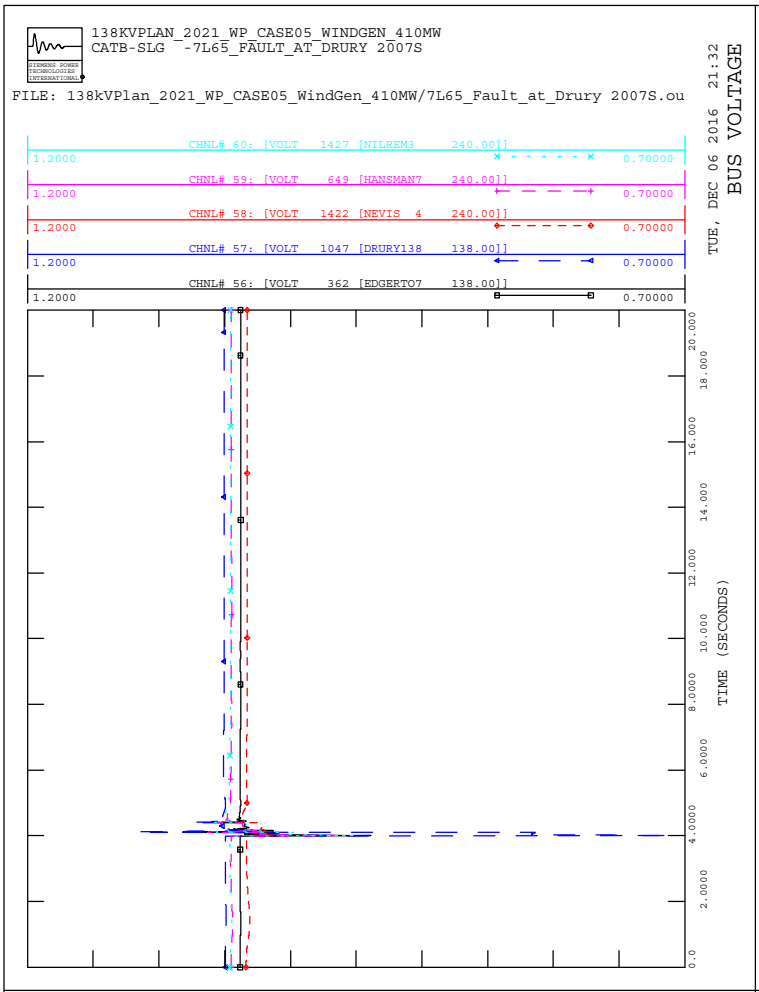
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
TUE, DEC 06 2016 21:32
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
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0.70000
TIME (SECONDS)
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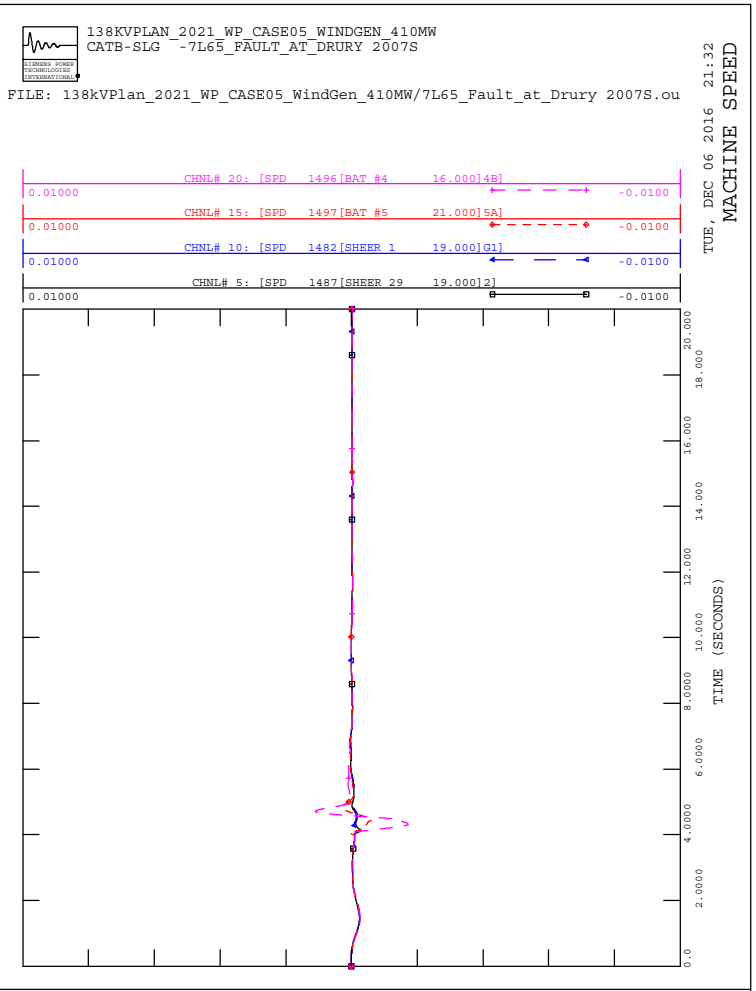
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CATB-SLG -7L65_FAULT_AT_DRURY 2007S
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TUE, DEC 06 2016 21:32
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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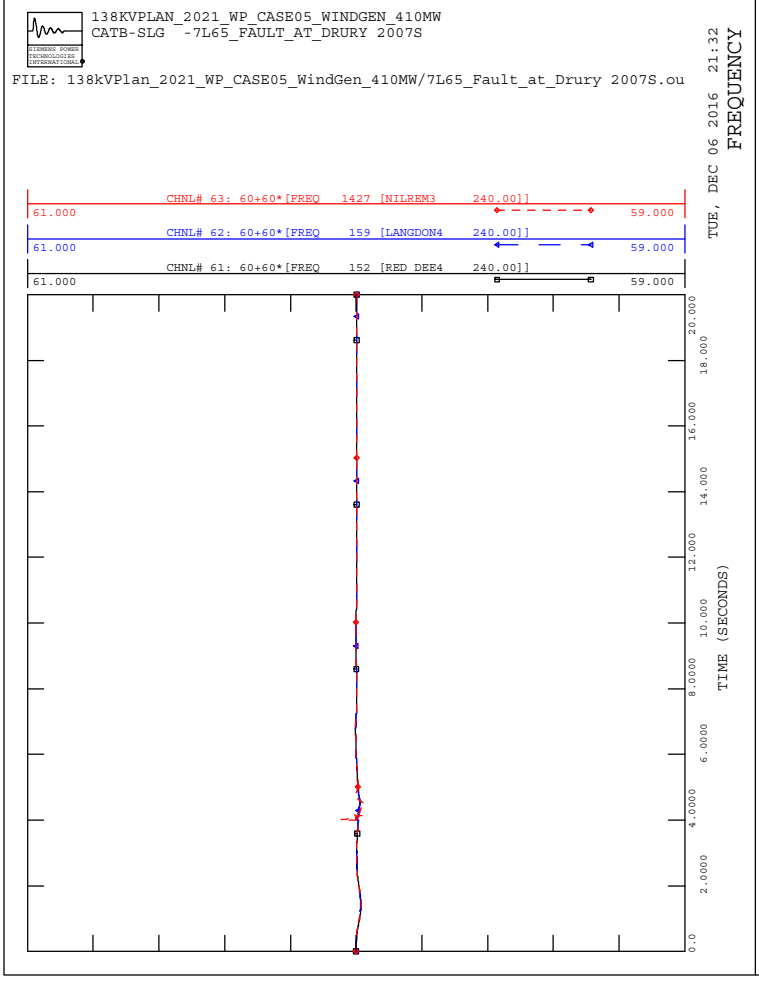
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
TUE, DEC 06 2016 21:32
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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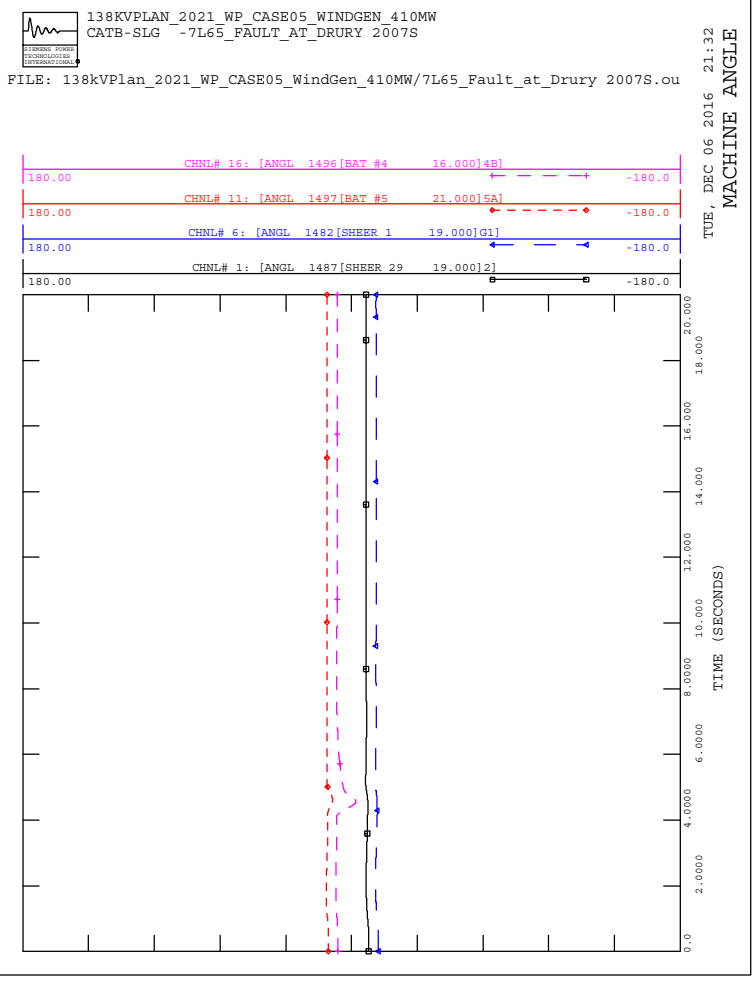
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
TUE, DEC 06 2016 21:32
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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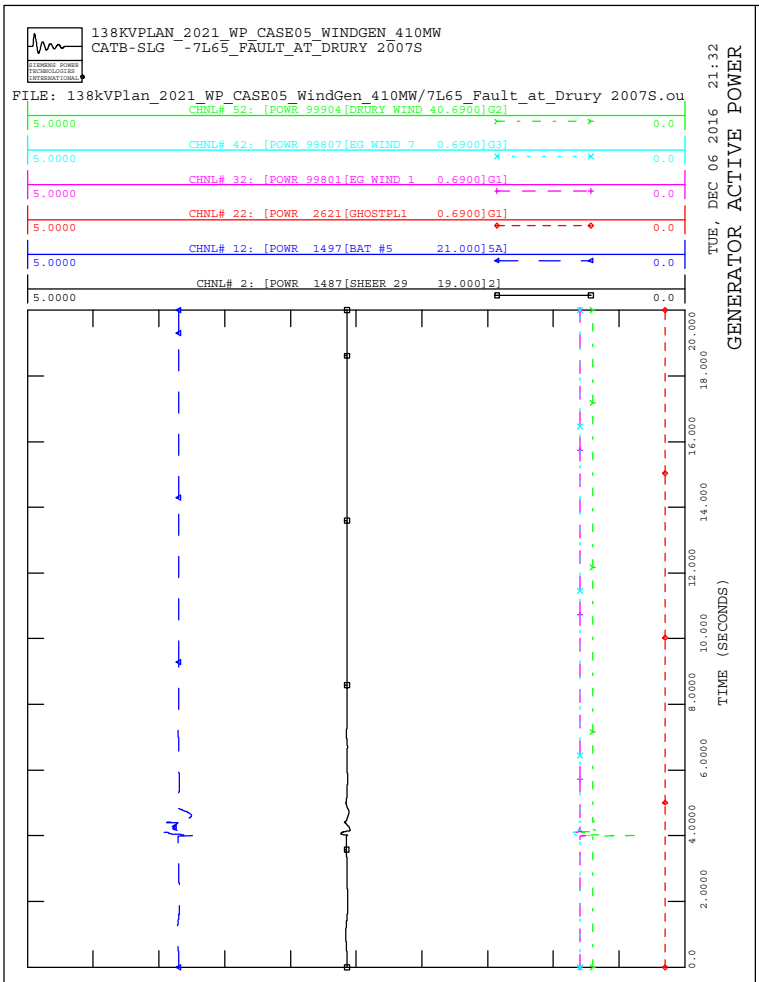
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
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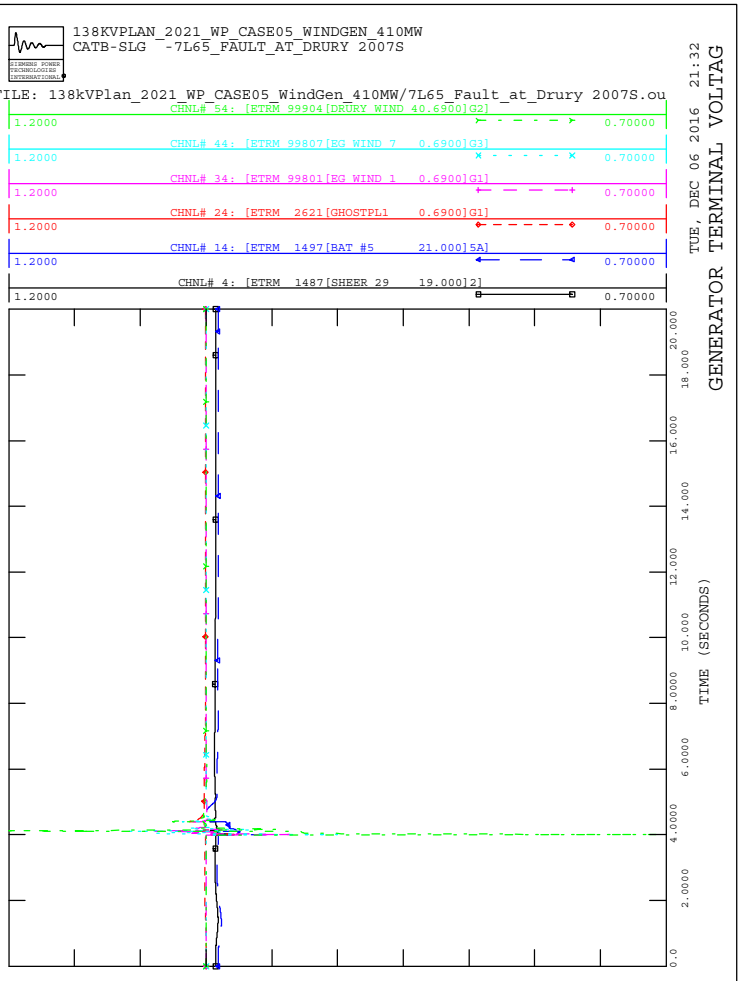
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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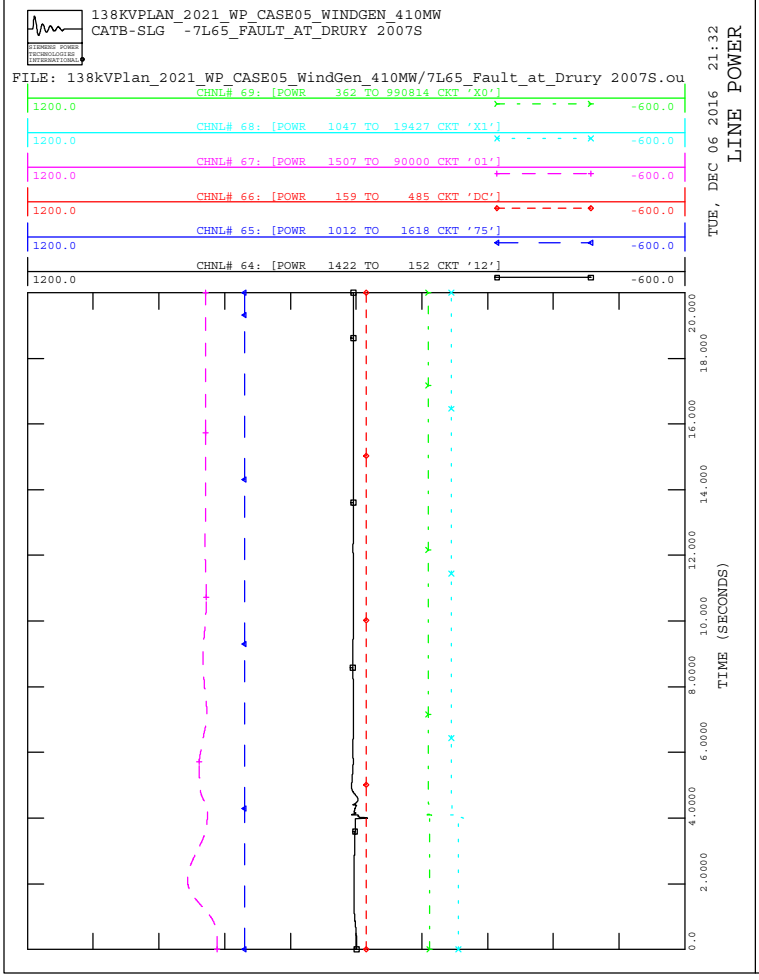
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
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4.0000
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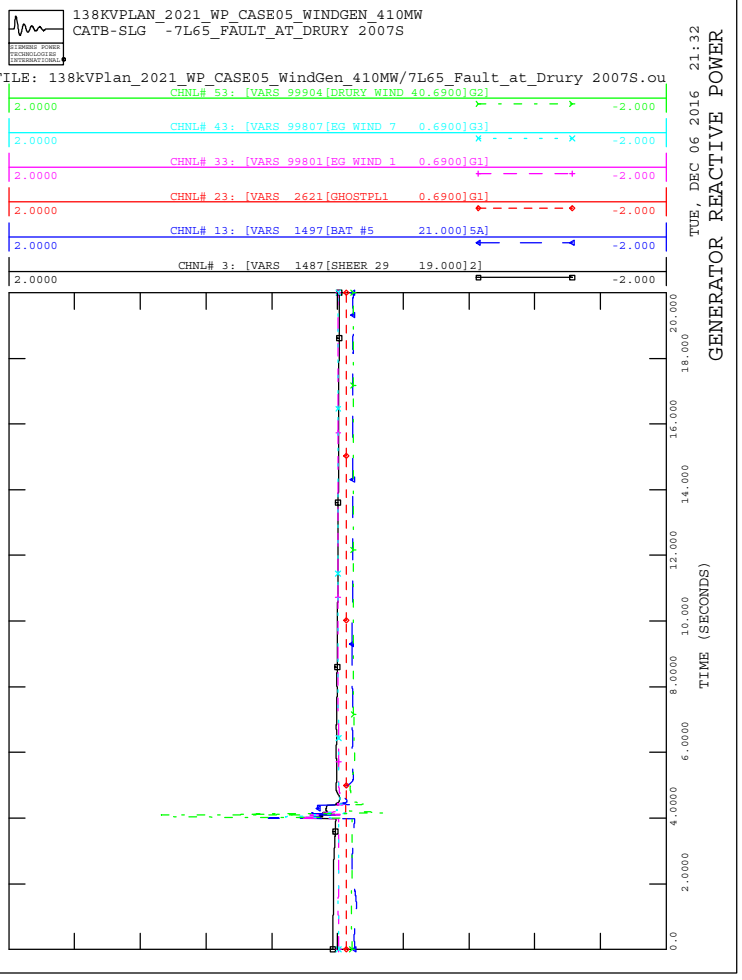
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
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12.000
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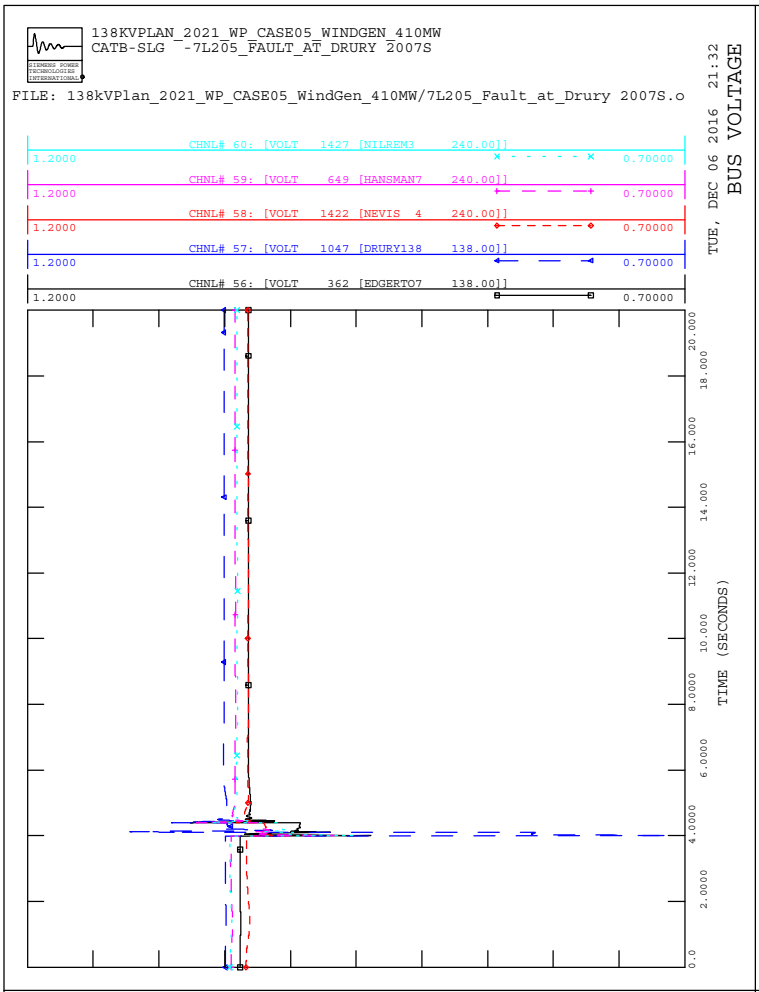
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
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TUE, DEC 06 2016 21:32
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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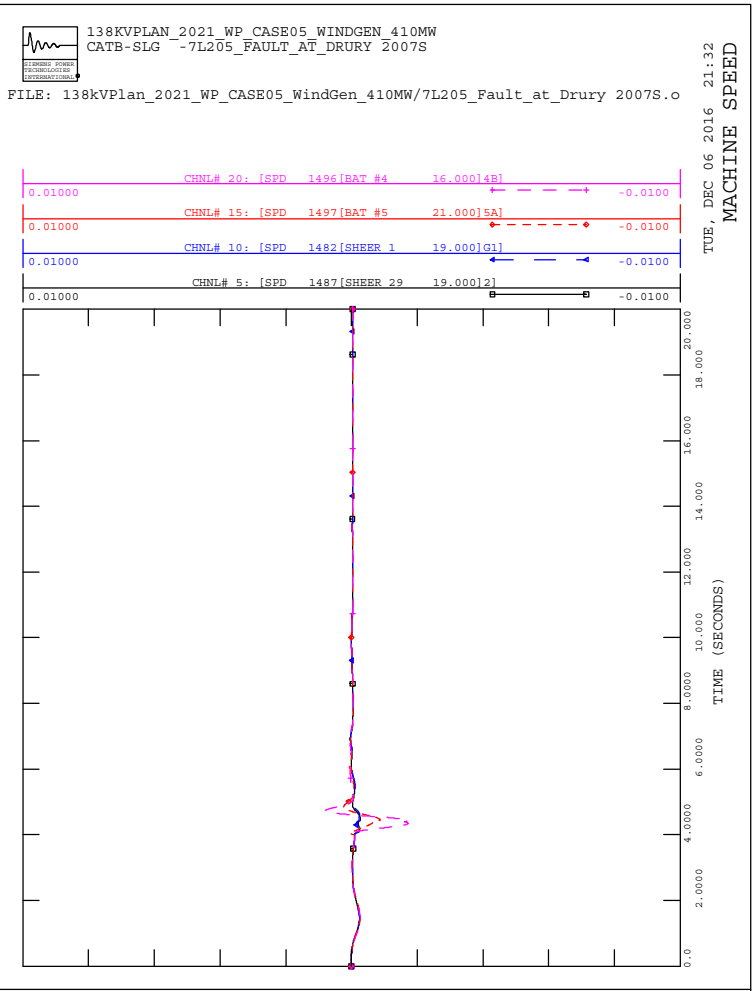
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CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
TUE, DEC 06 2016 21:32
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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-0.0100
TIME (SECONDS)
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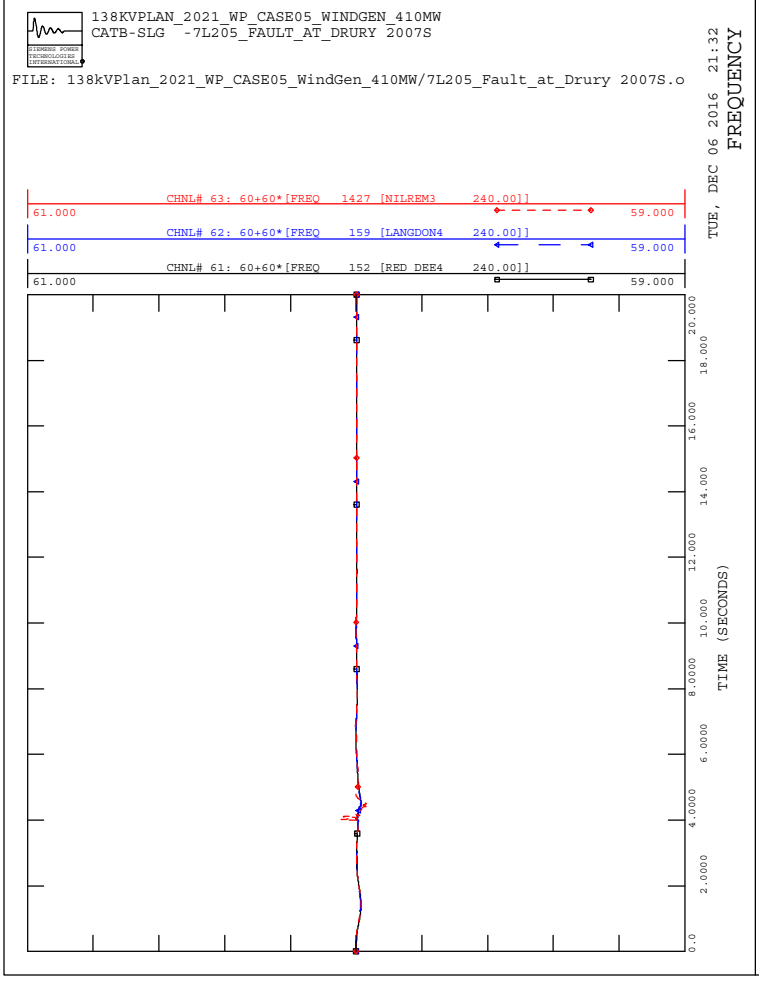
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
TUE, DEC 06 2016 21:32
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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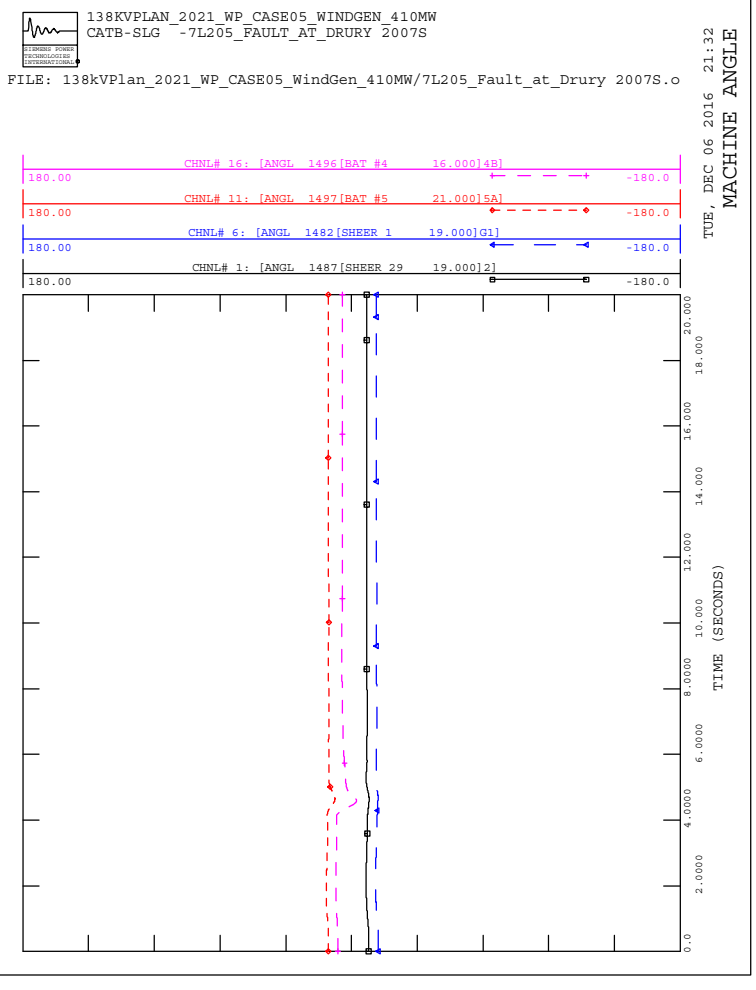
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
TUE, DEC 06 2016 21:32
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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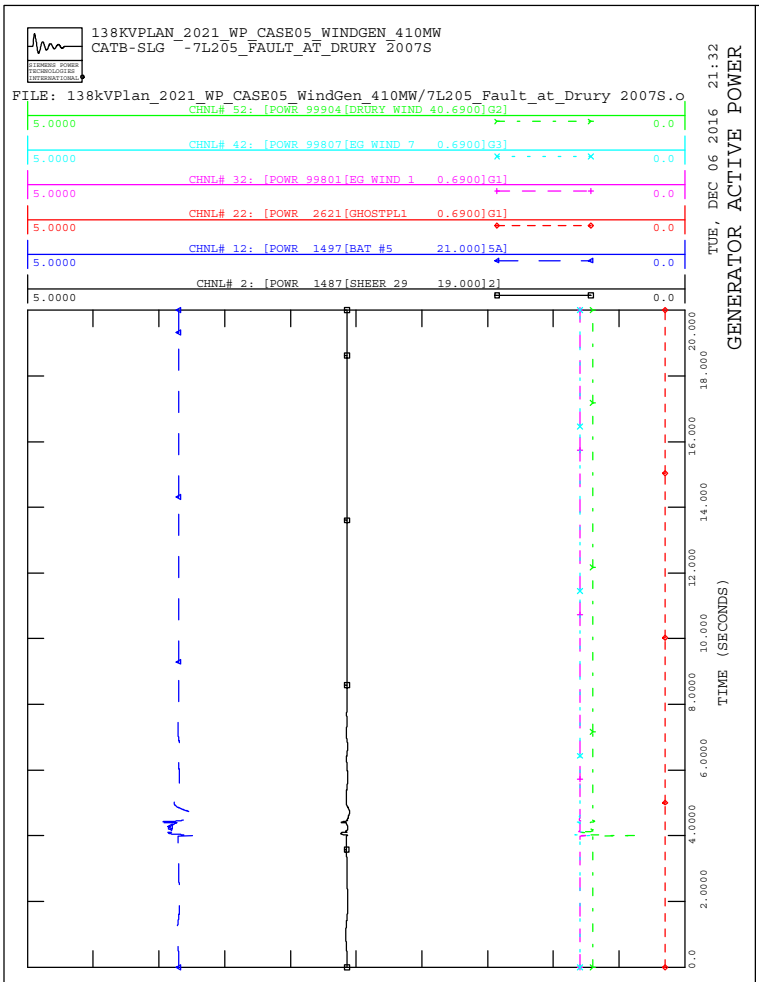
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
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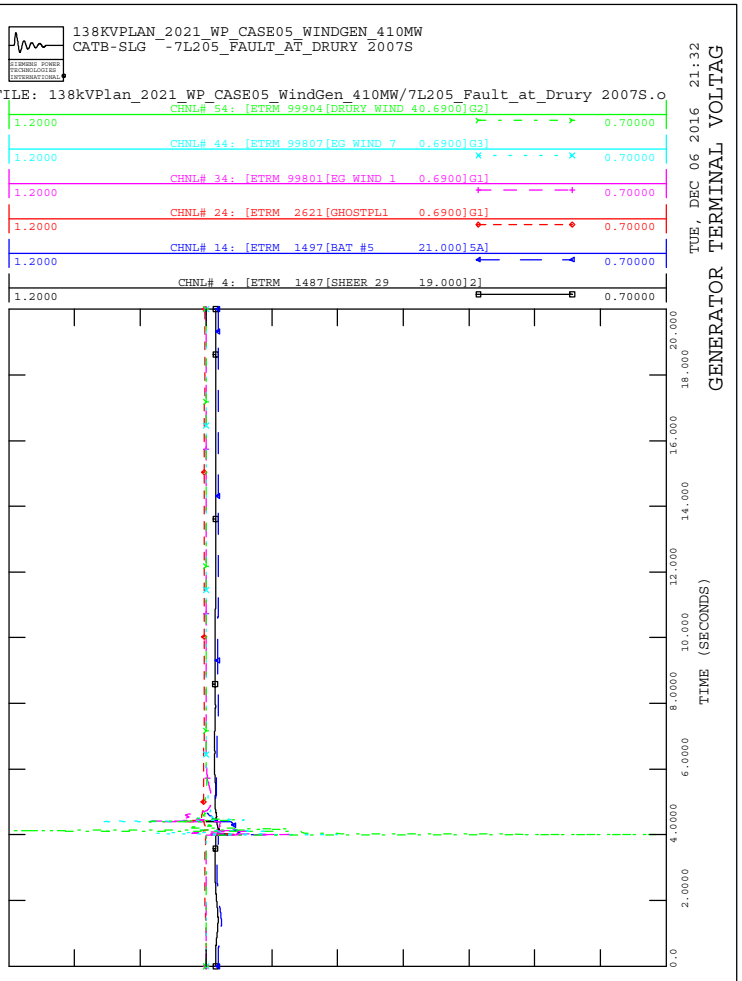
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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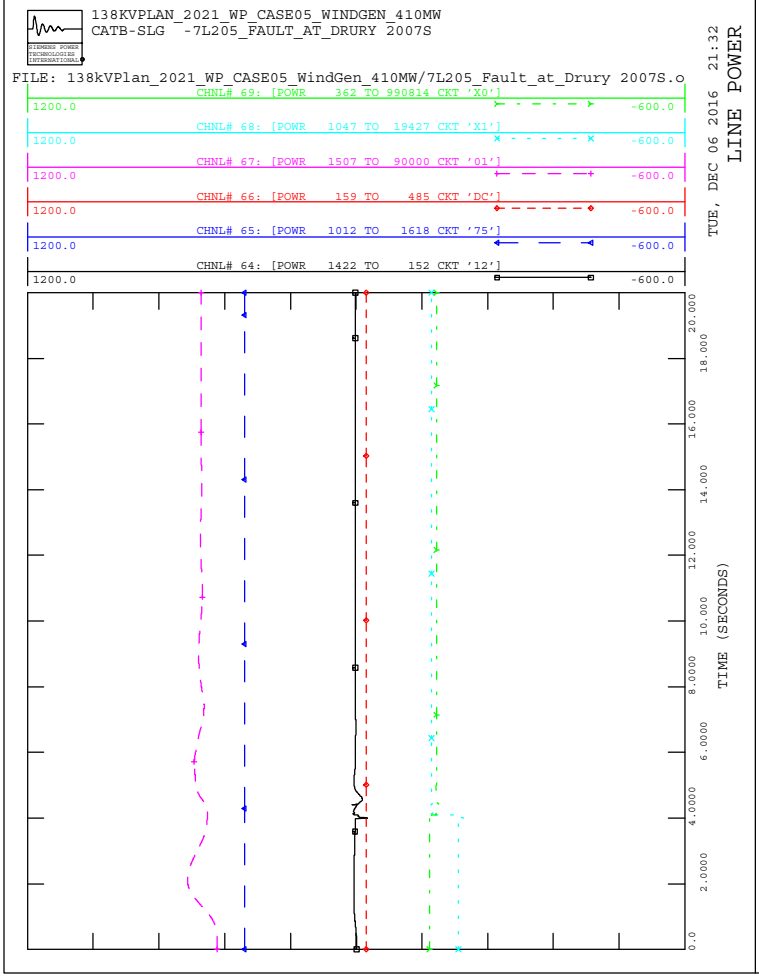
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CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
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2.0000
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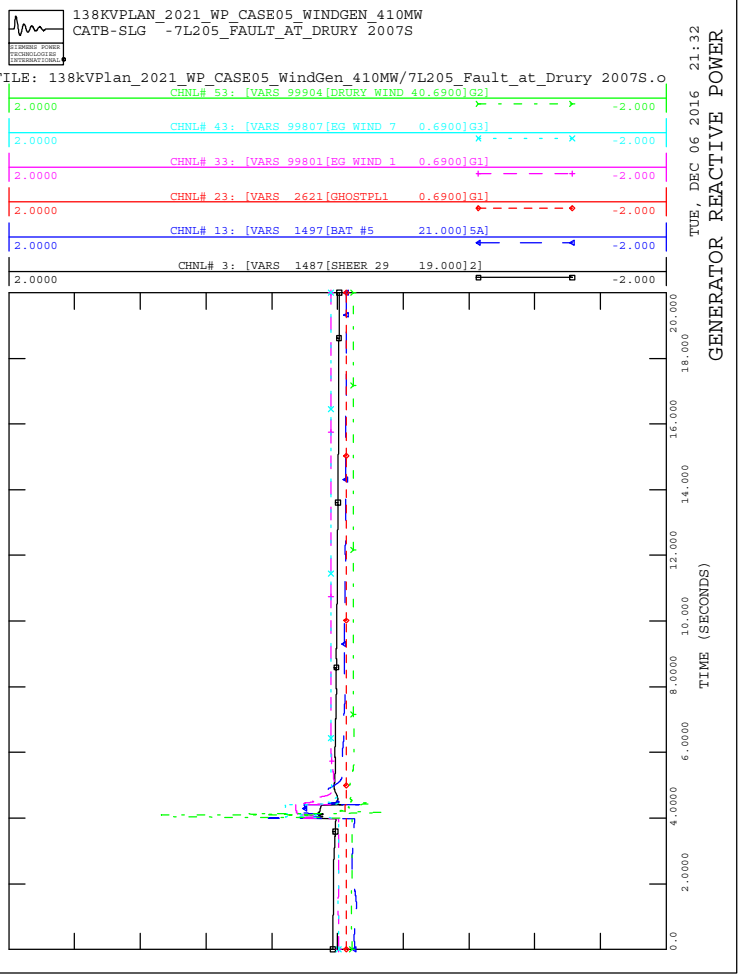
18.000
20.000

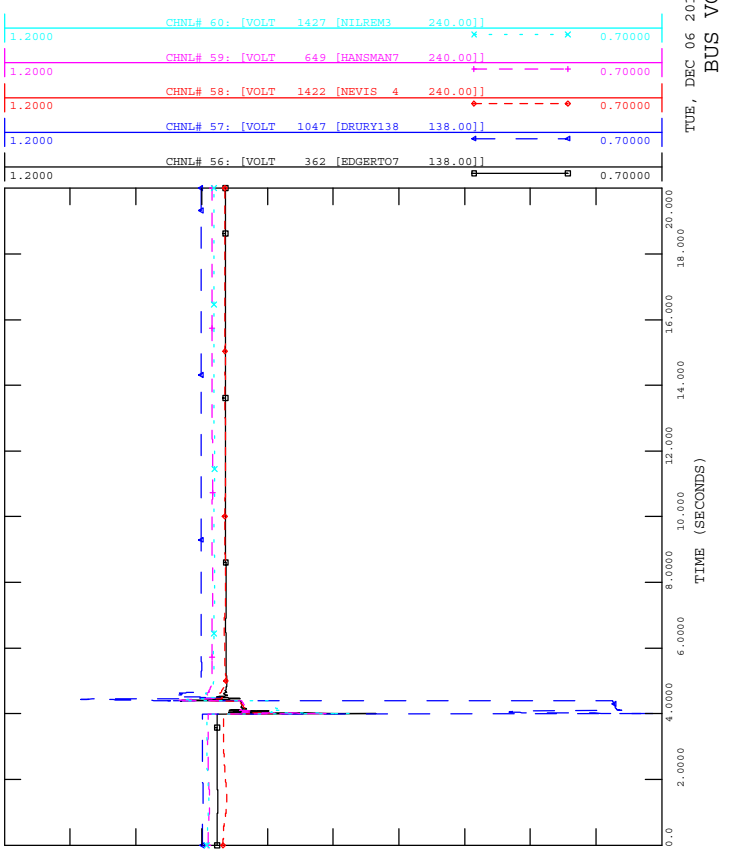

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Drury 2007S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

BUS VOLTAGE

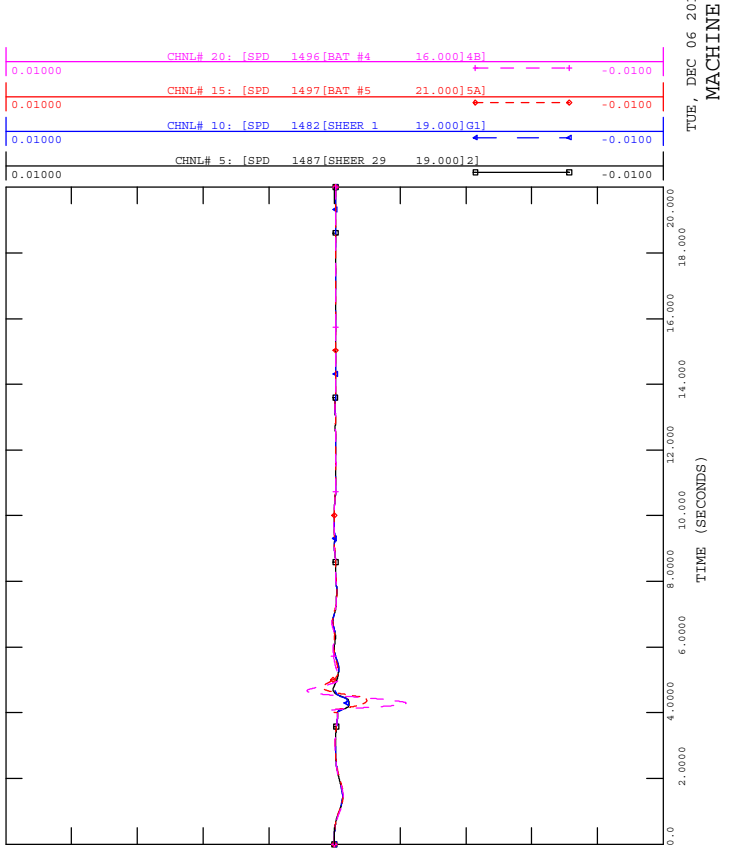


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

MACHINE SPEED

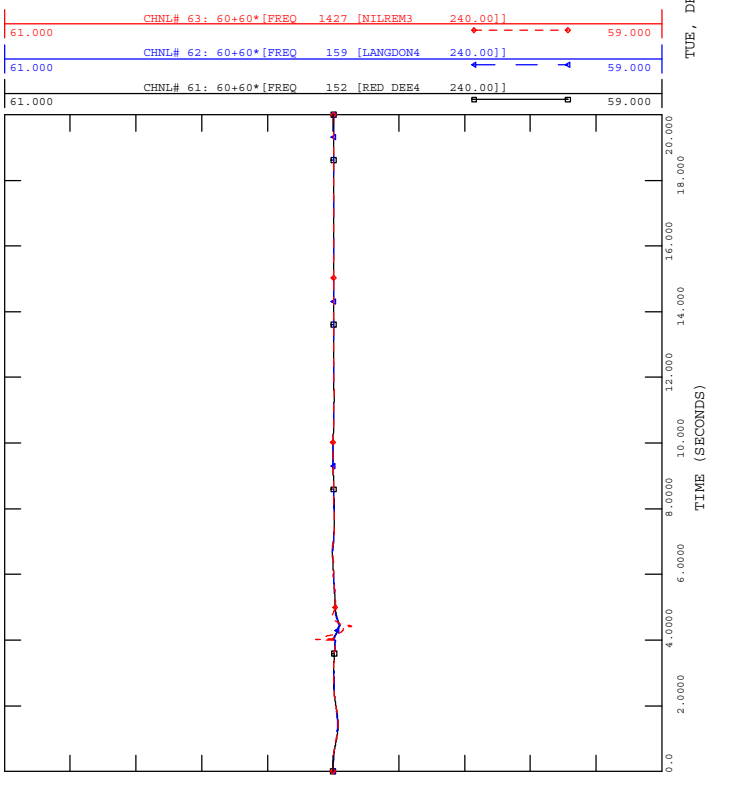


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71

TUE, DEC 06 2016 21:32

FREQUENCY

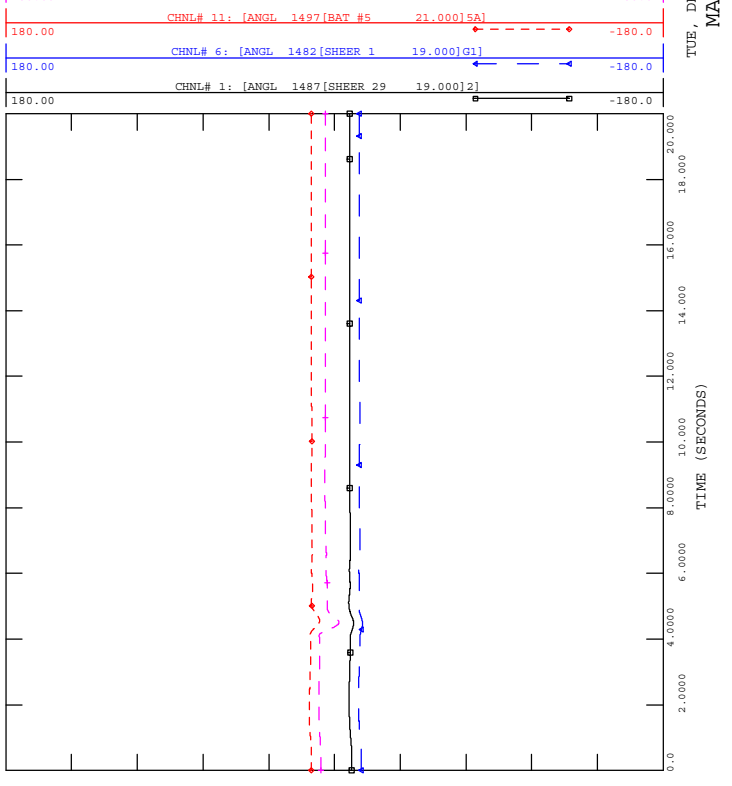


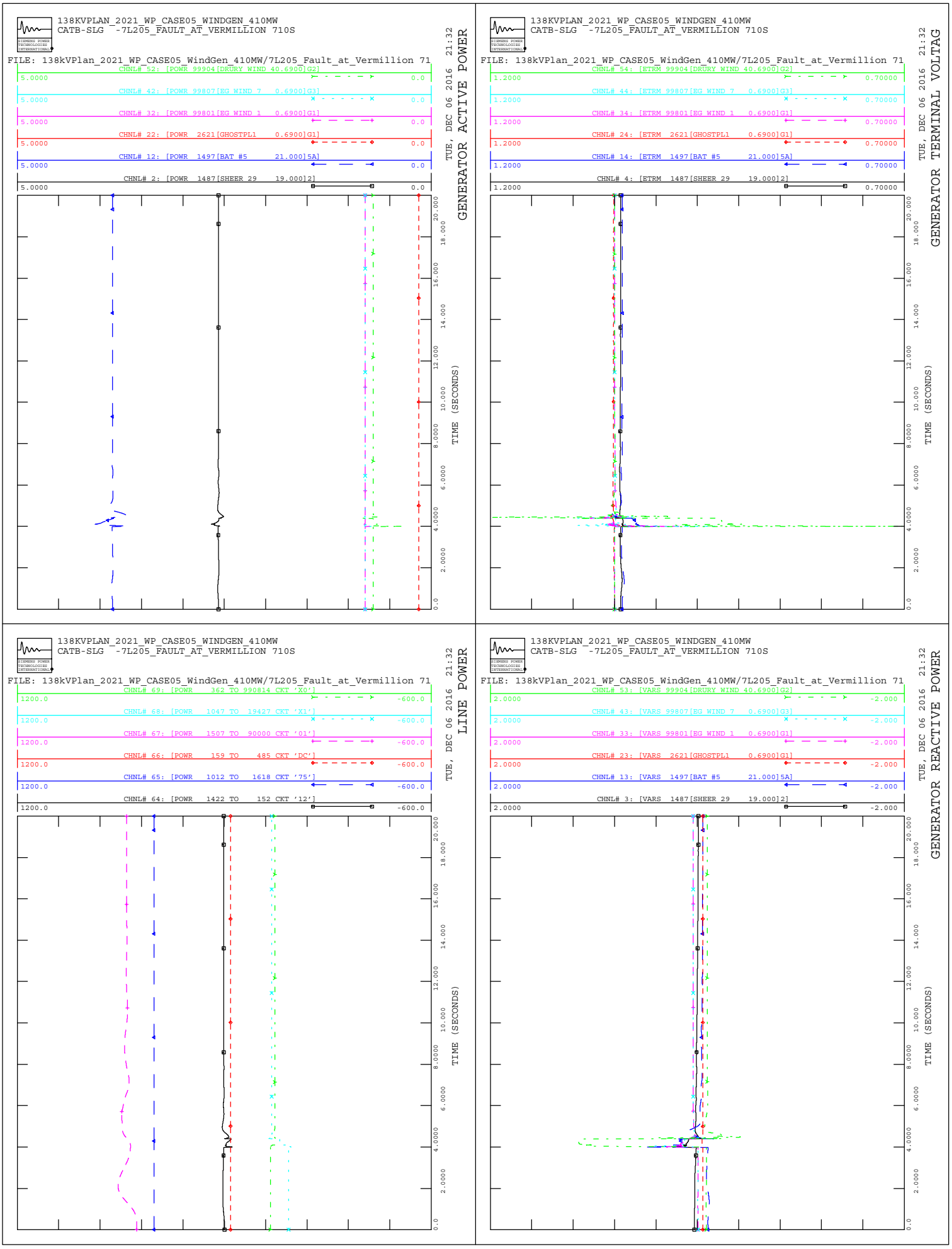
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

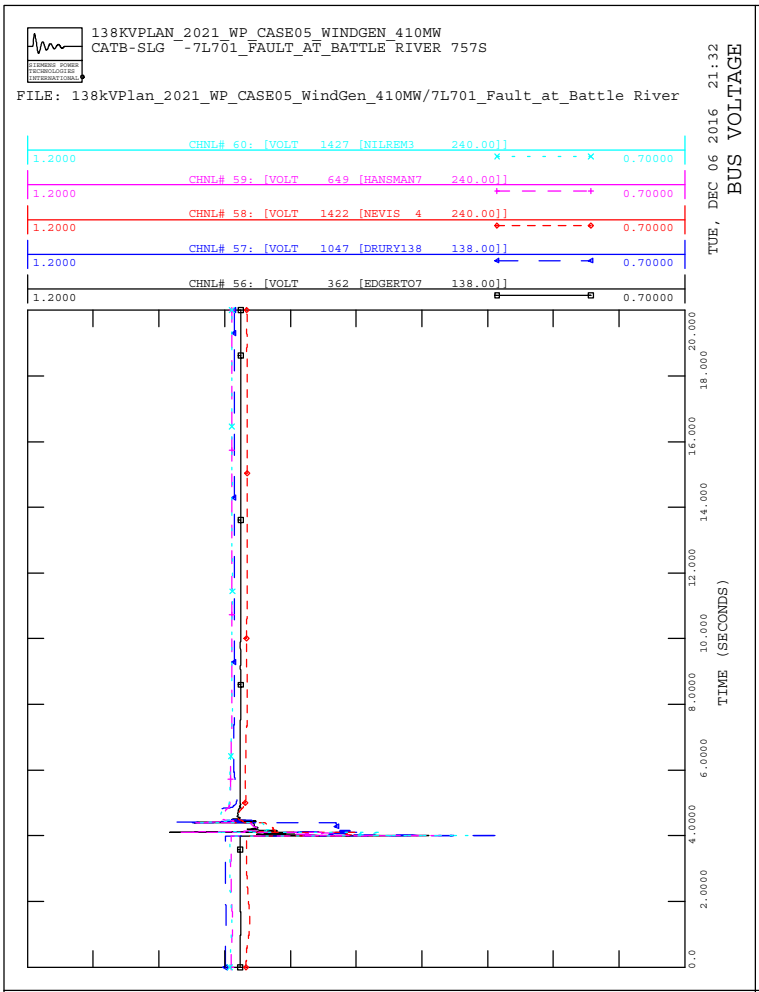
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71

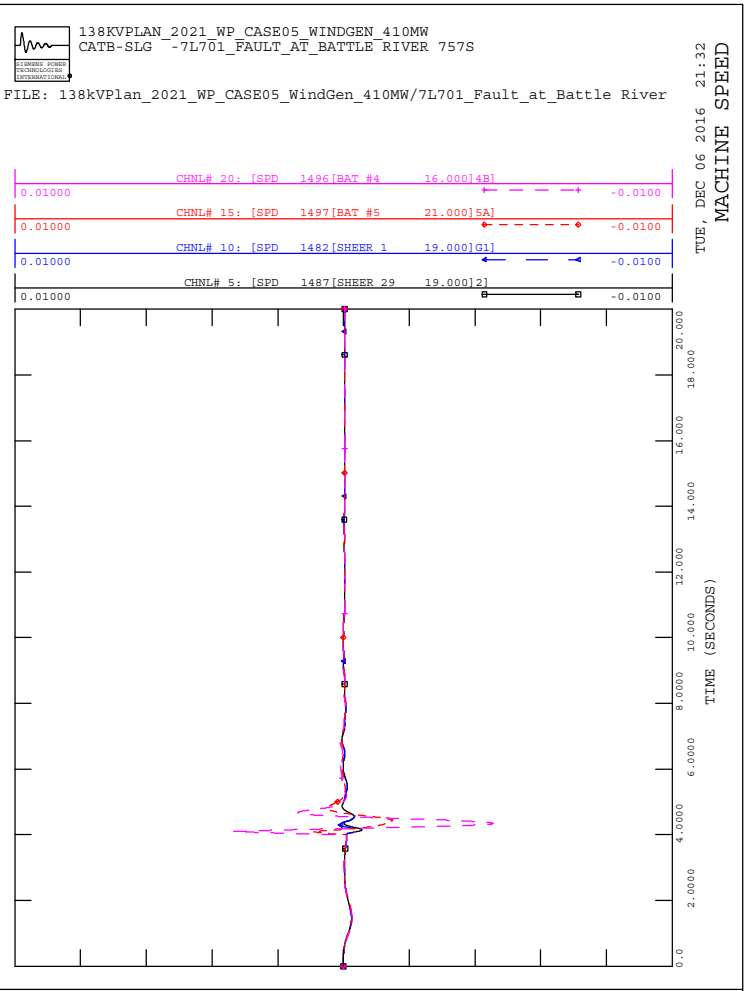
TUE, DEC 06 2016 21:32

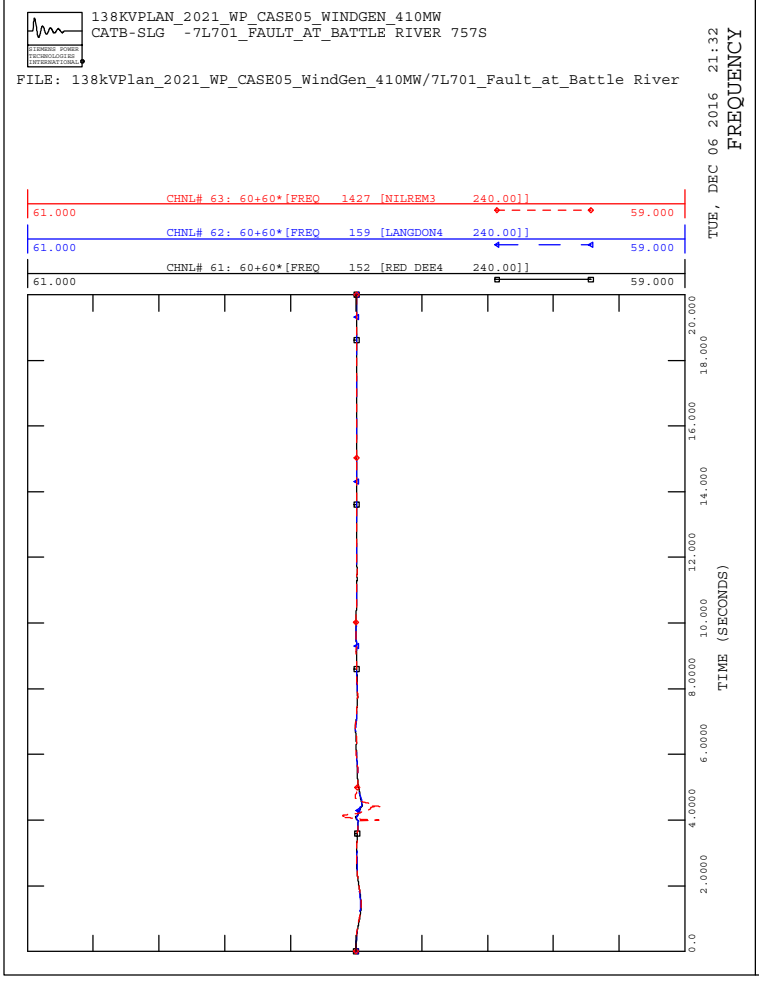
MACHINE ANGLE

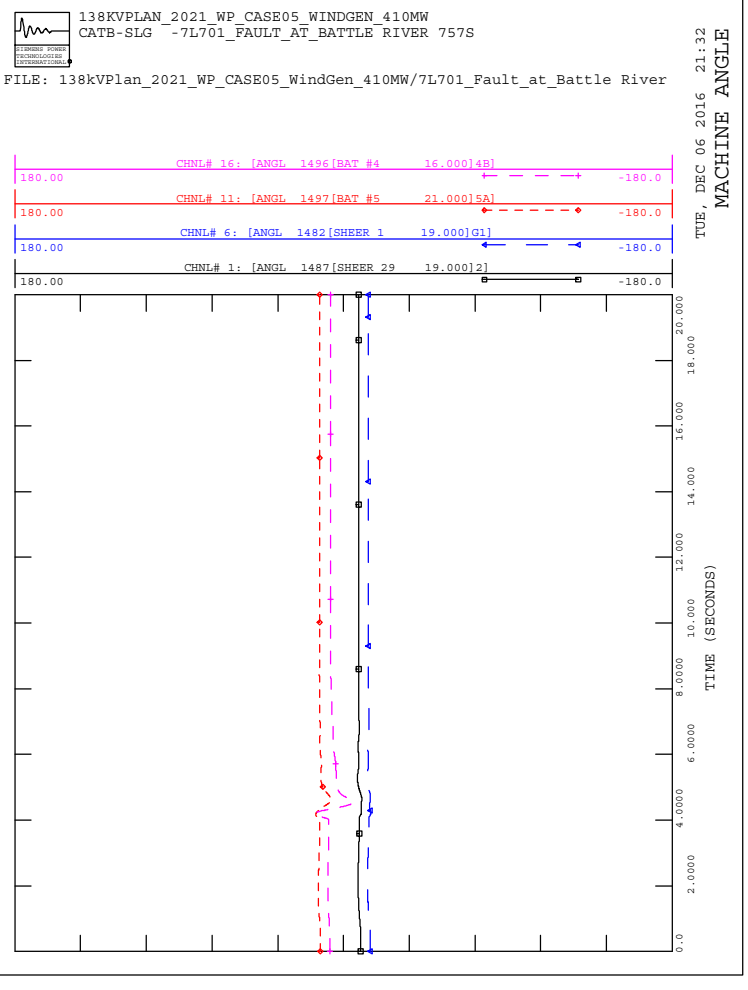


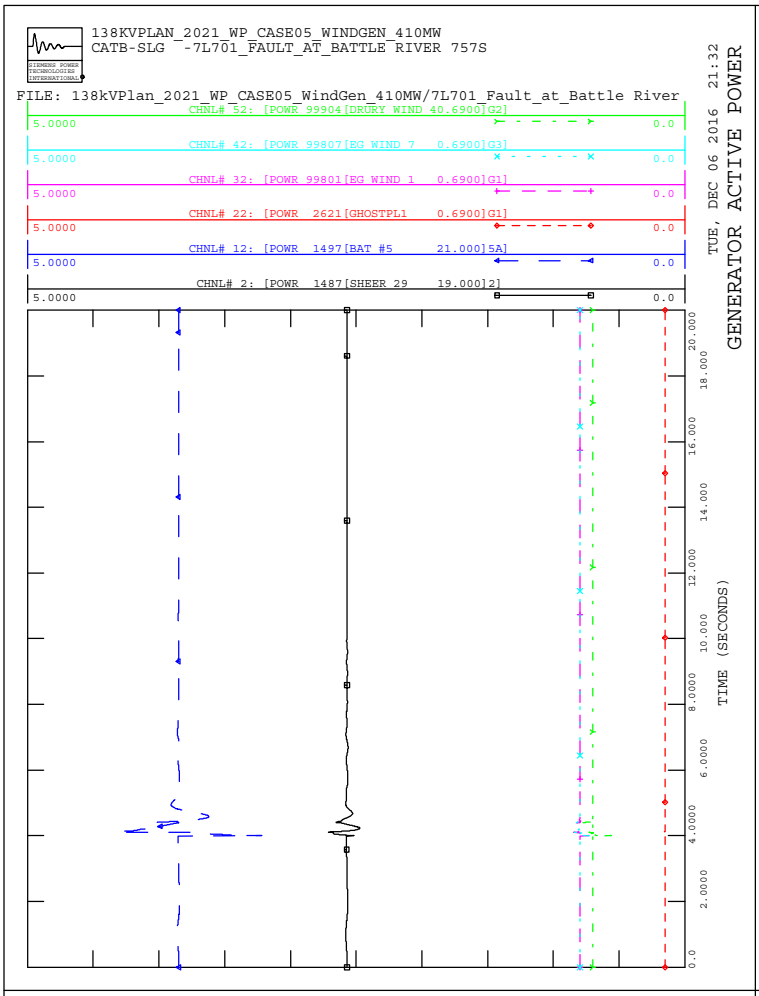

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

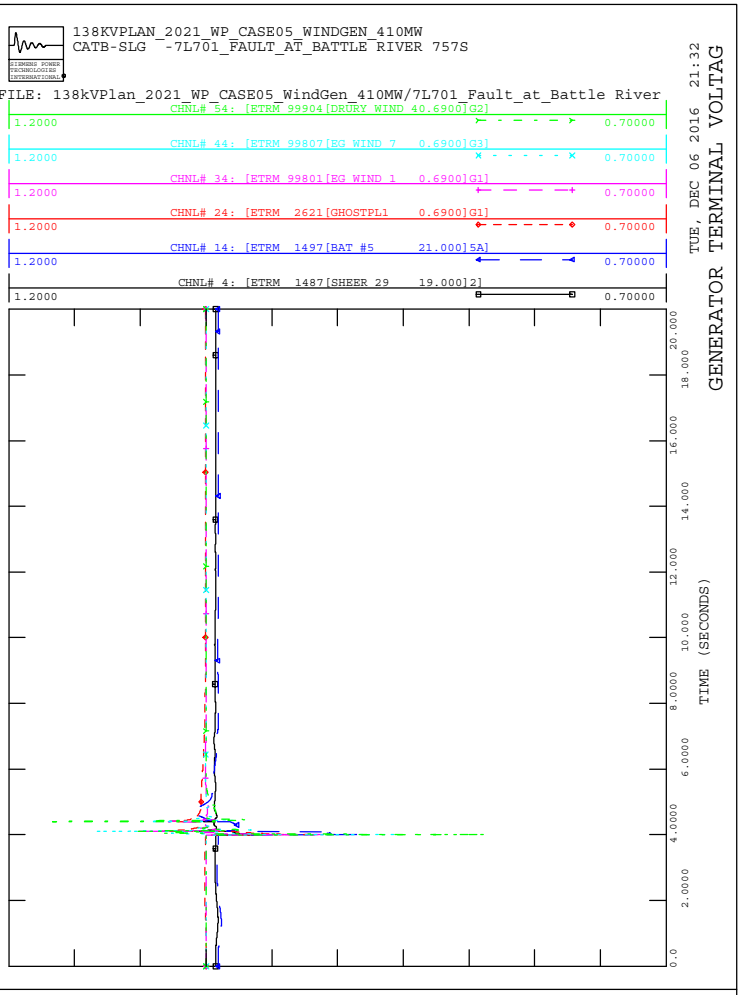

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle River
TUE, DEC 06 2016 21:32
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

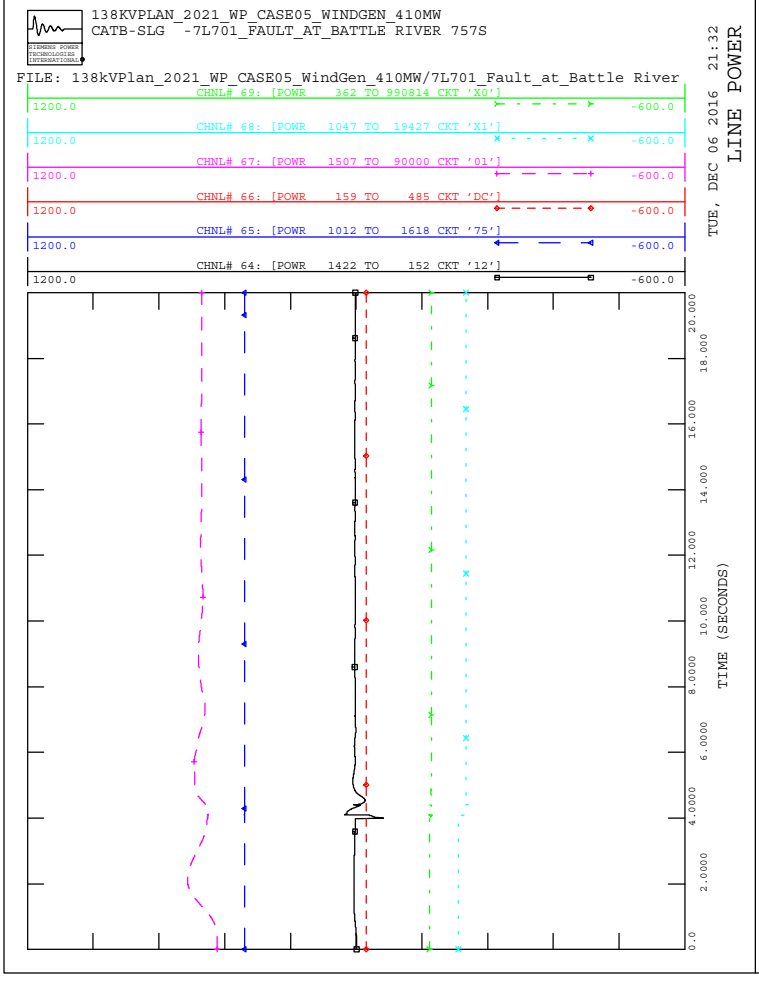

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle River
TUE, DEC 06 2016 21:32
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

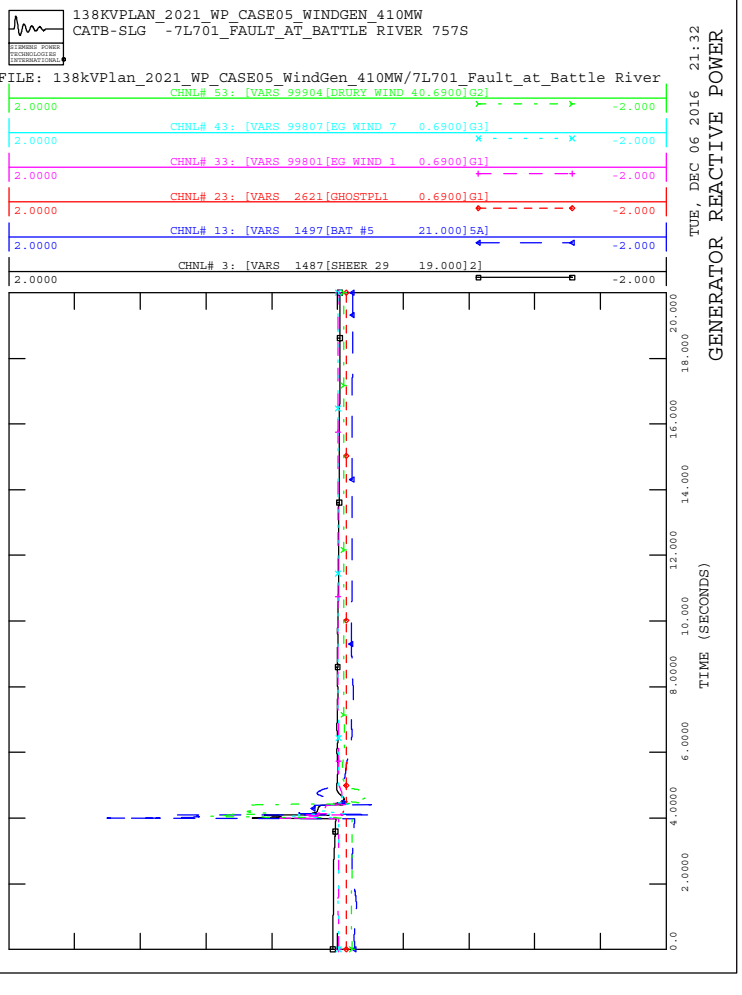

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle River
TUE, DEC 06 2016 21:32
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle River
TUE, DEC 06 2016 21:32
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle_River
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle_River
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle_River
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

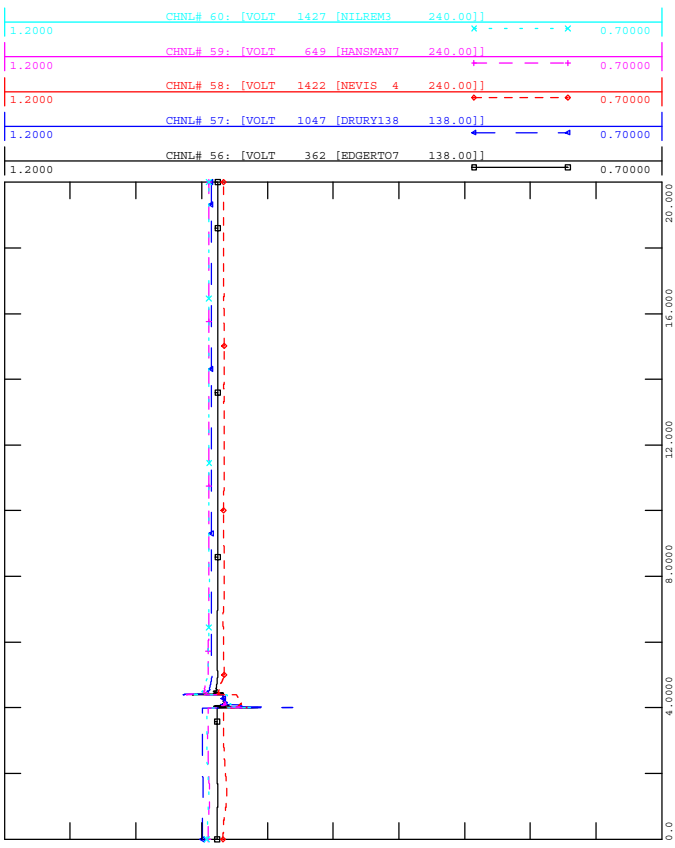

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Battle_River
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o

TUE, DEC 06 2016 21:32

BUS VOLTAGE

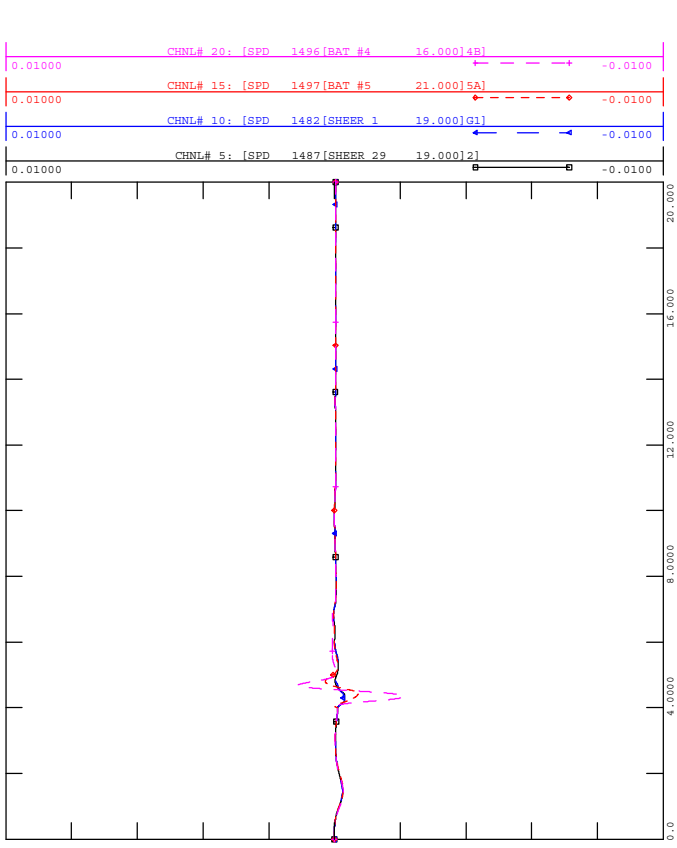


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o

TUE, DEC 06 2016 21:32

MACHINE SPEED

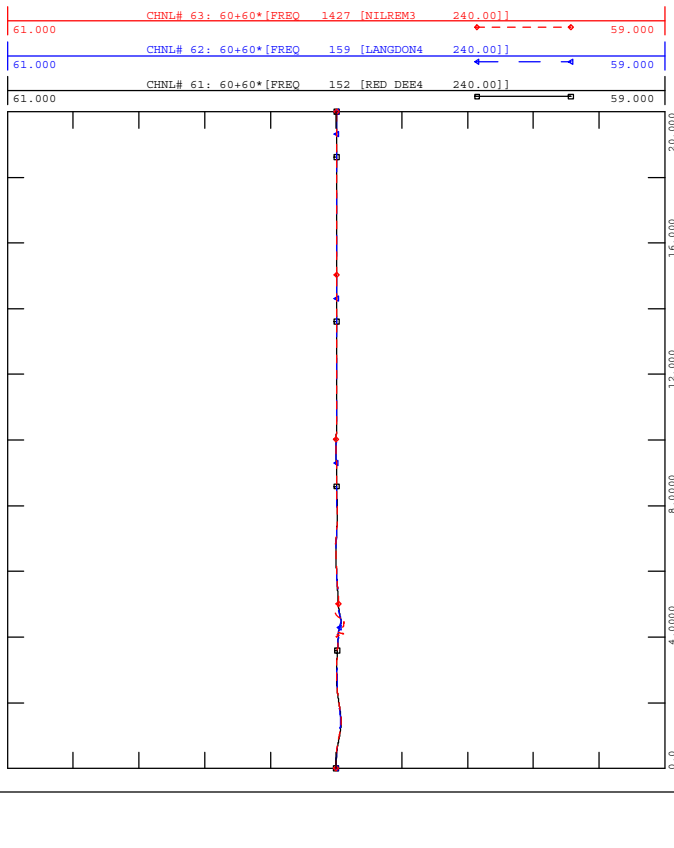


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o

TUE, DEC 06 2016 21:32

FREQUENCY

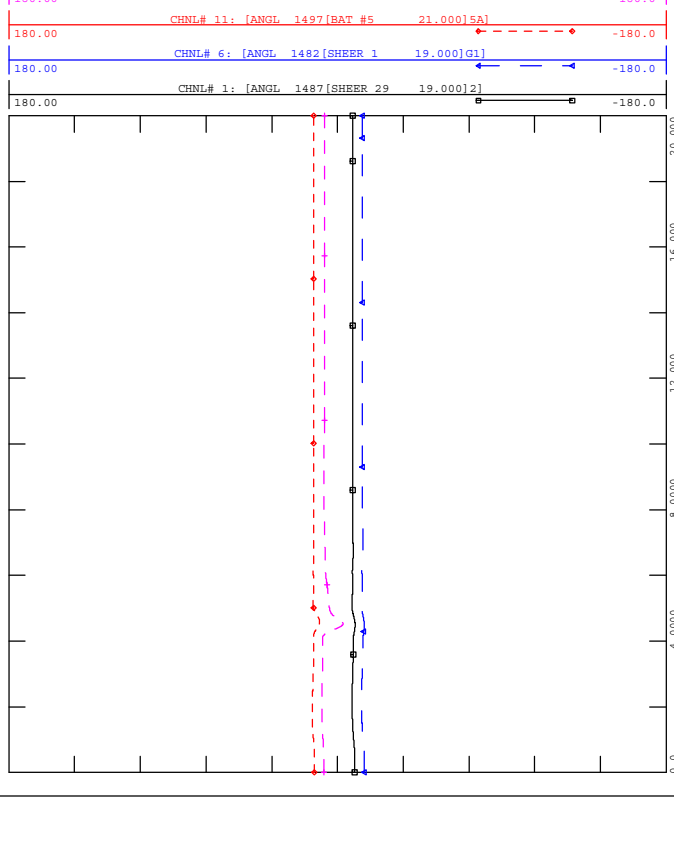


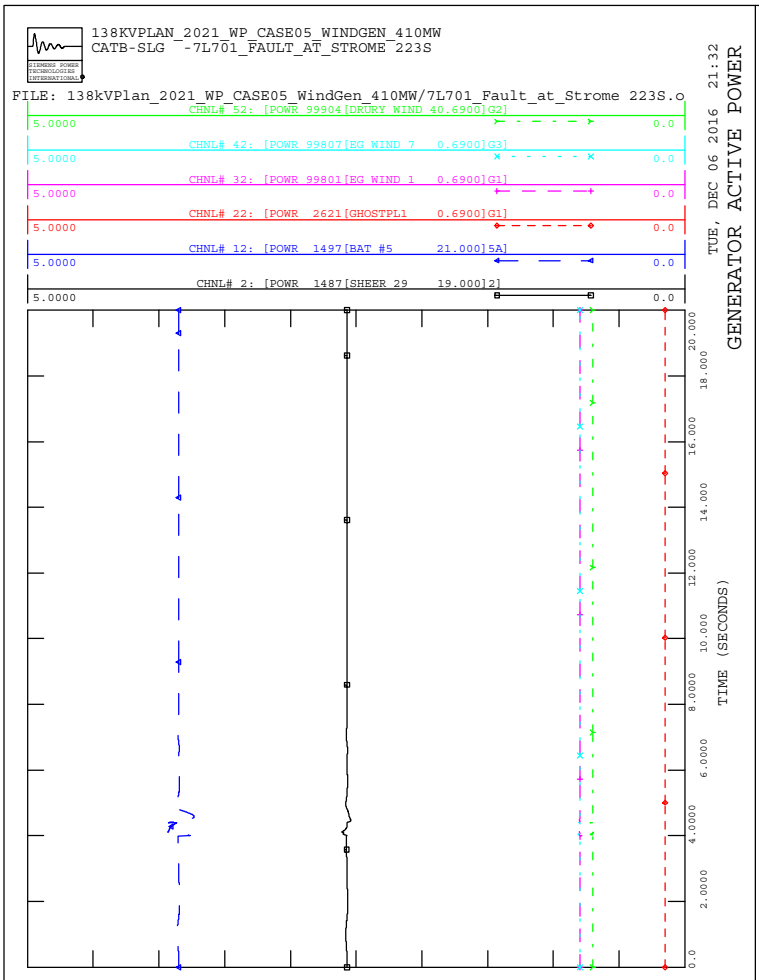
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

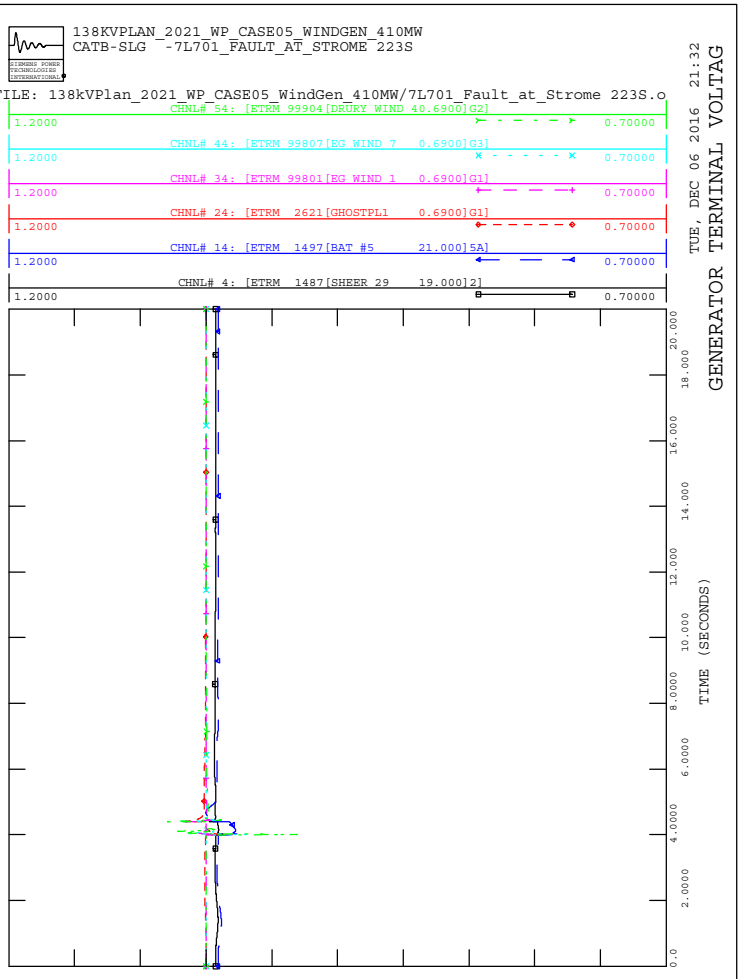
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o

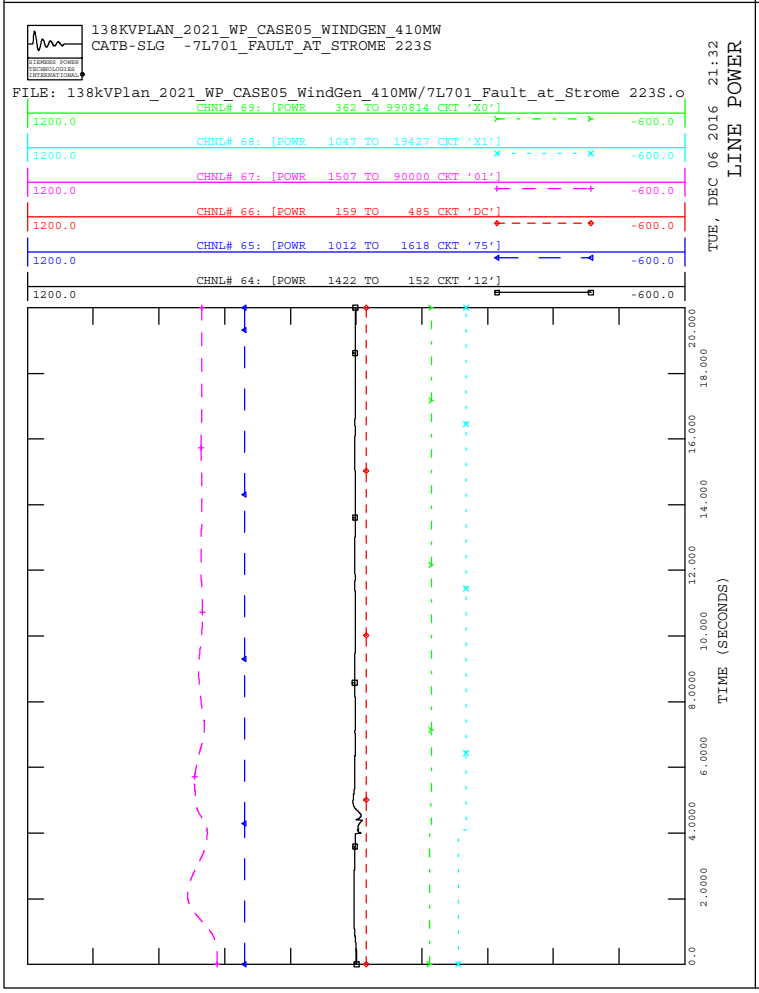
TUE, DEC 06 2016 21:32

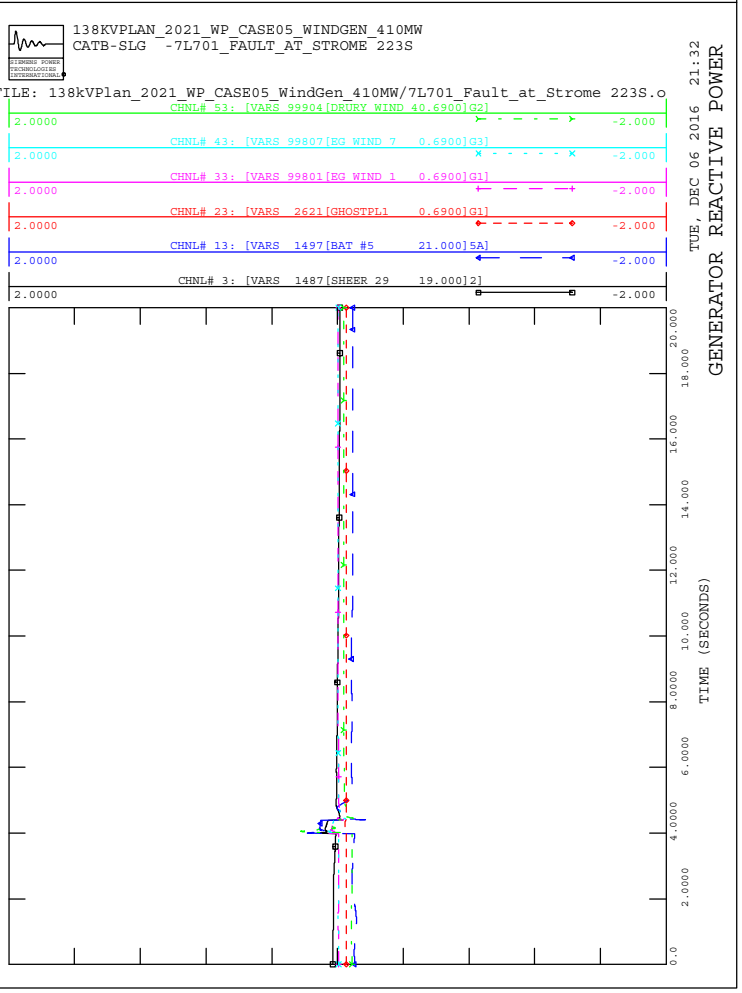
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

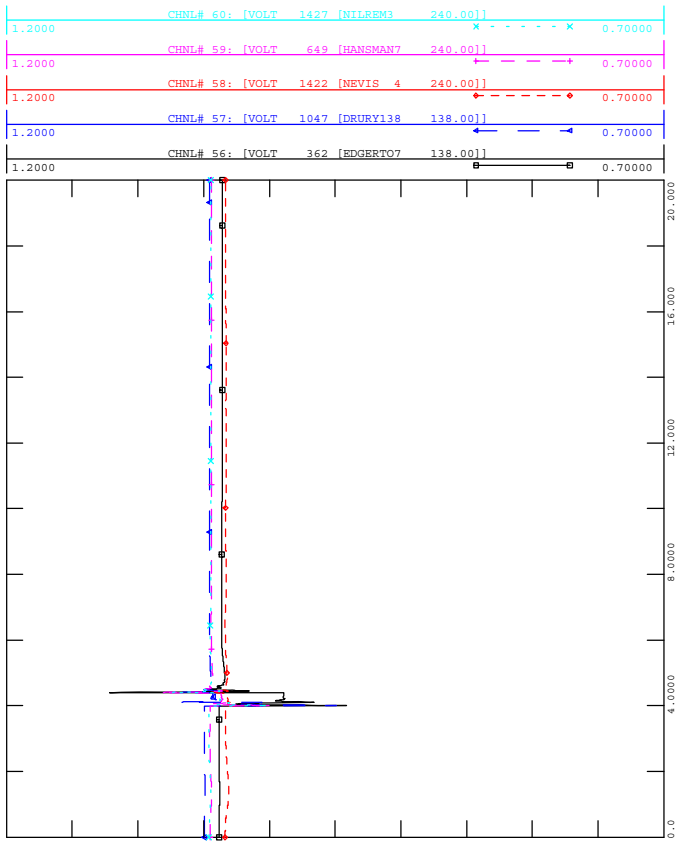

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L701_FAULT_AT_STROME 223S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L701_Fault_at_Strome 223S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster

TUE, DEC 06 2016 21:32

BUS VOLTAGE

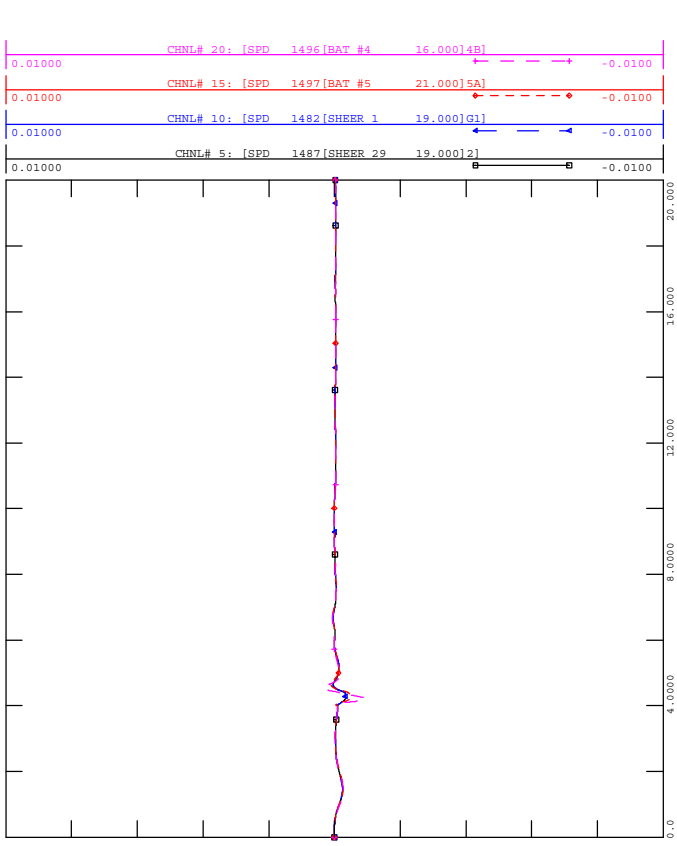


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster

TUE, DEC 06 2016 21:32

MACHINE SPEED

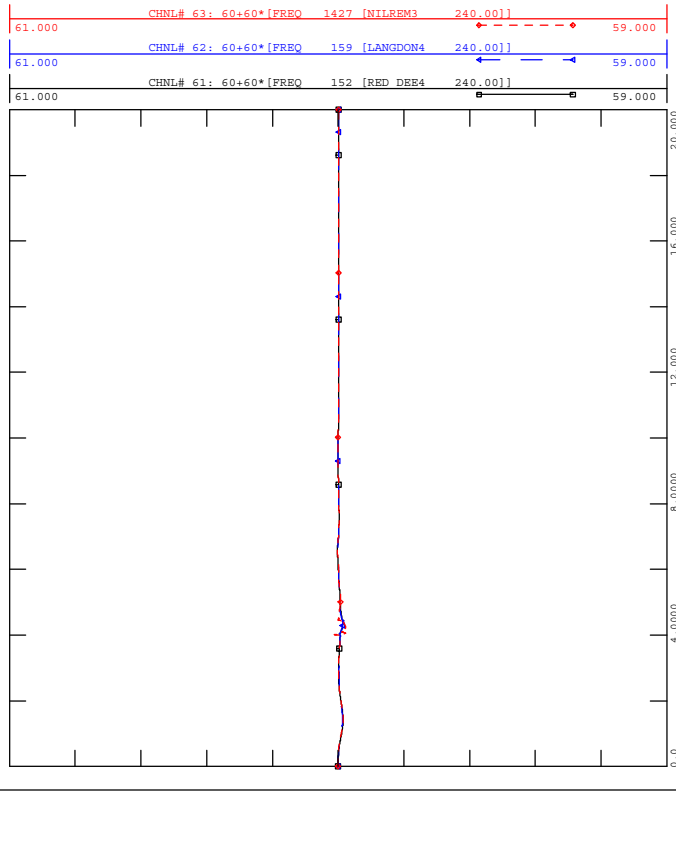


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster

TUE, DEC 06 2016 21:32

FREQUENCY

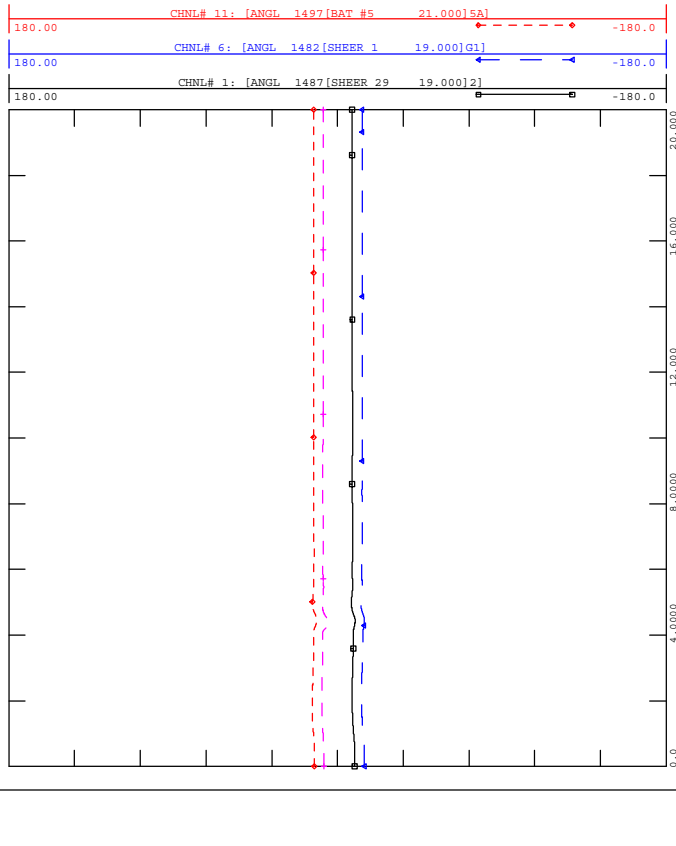


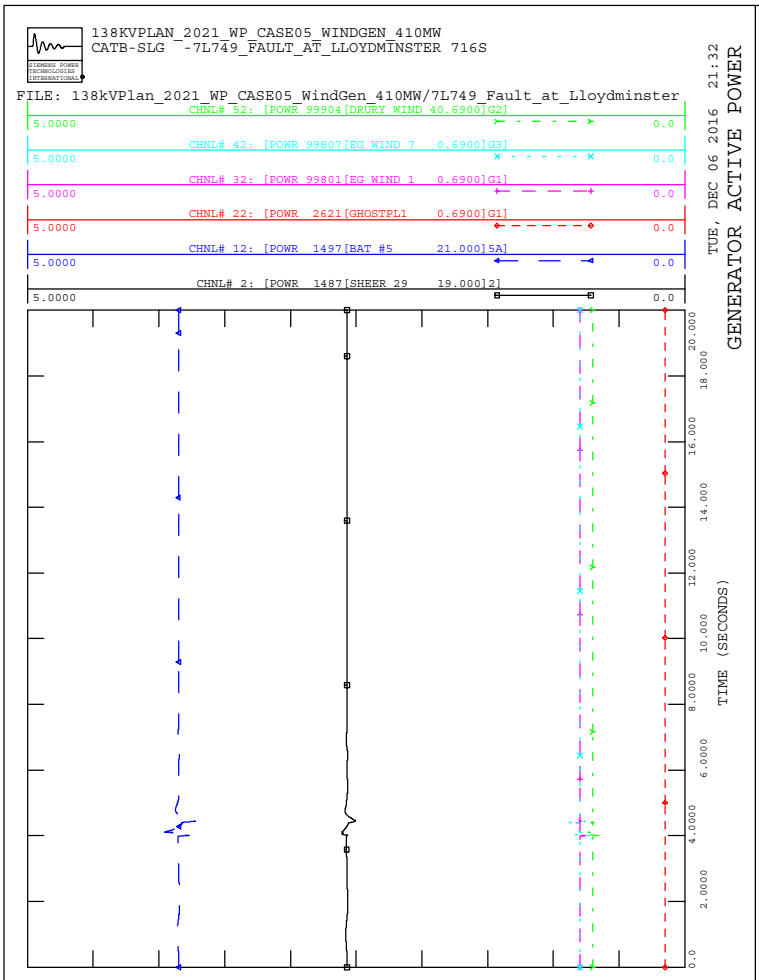
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

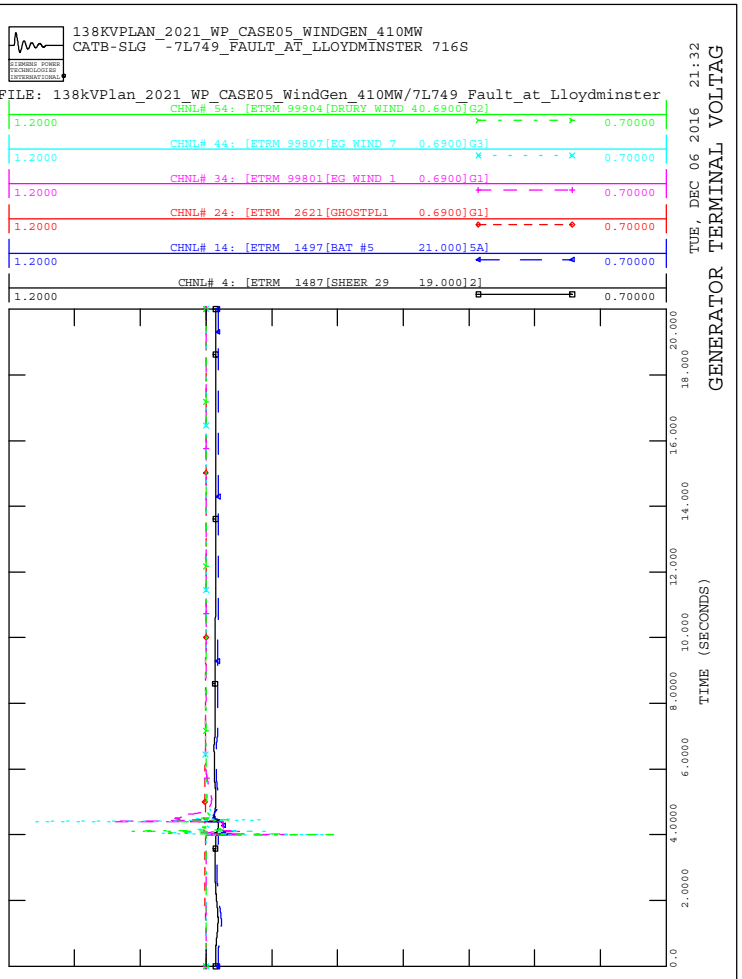
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster

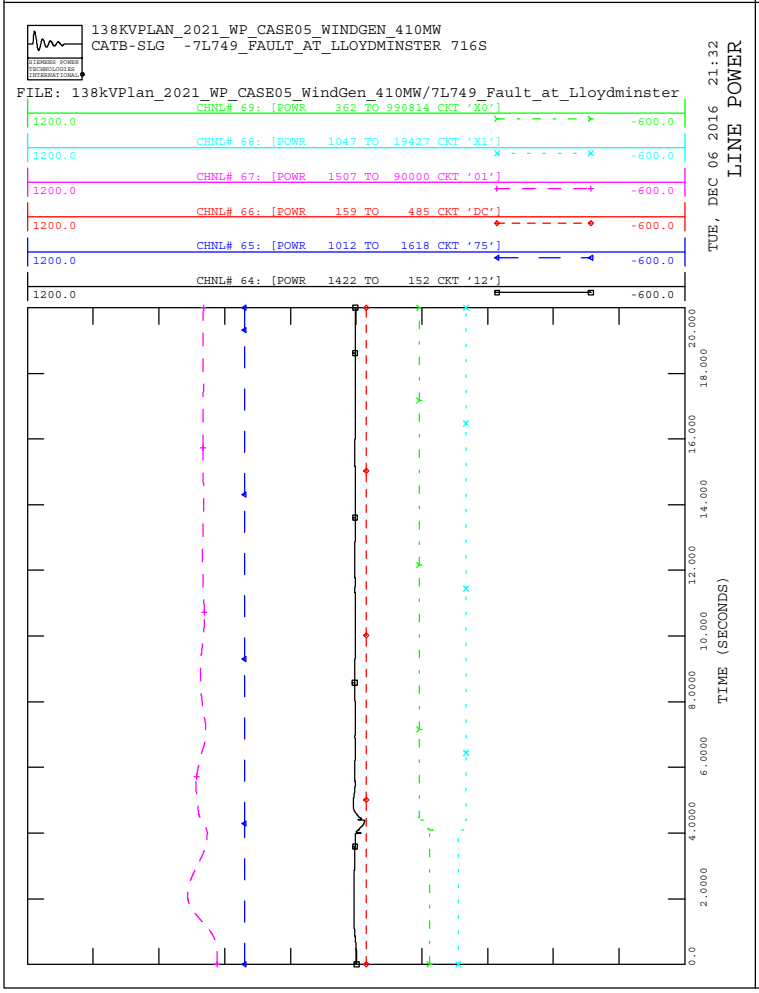
TUE, DEC 06 2016 21:32

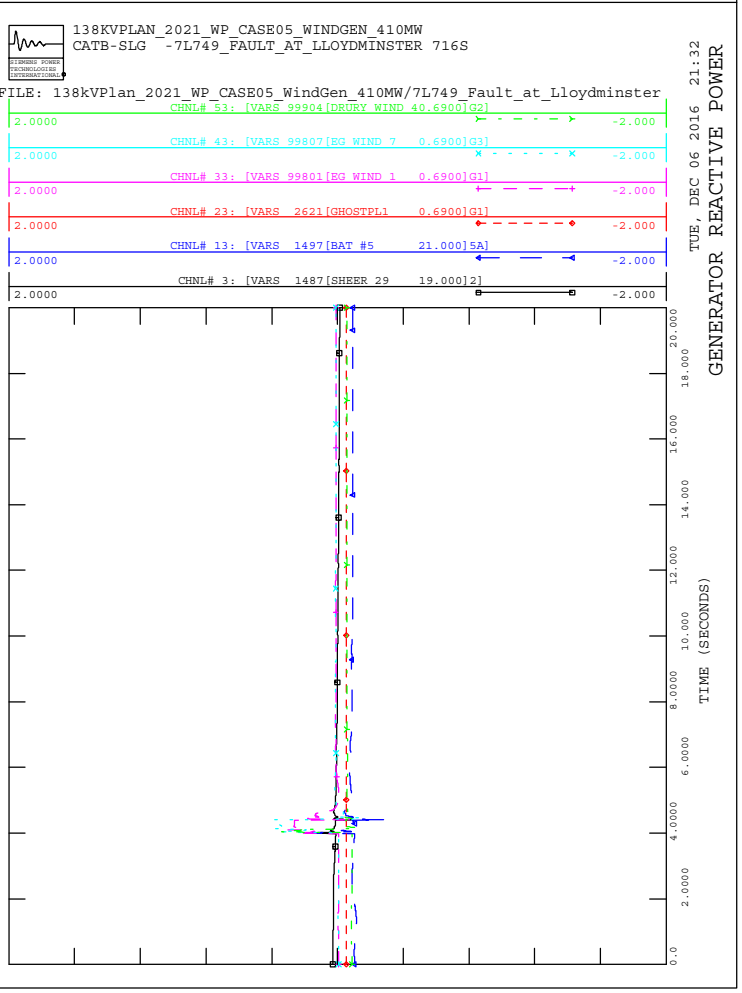
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

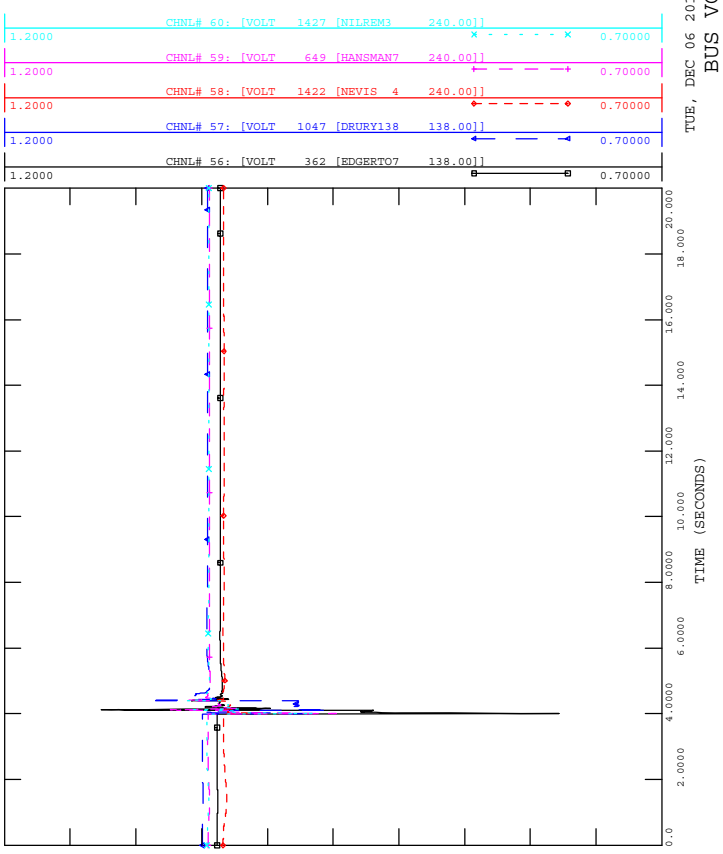

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Lloydminster
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:32

BUS VOLTAGE

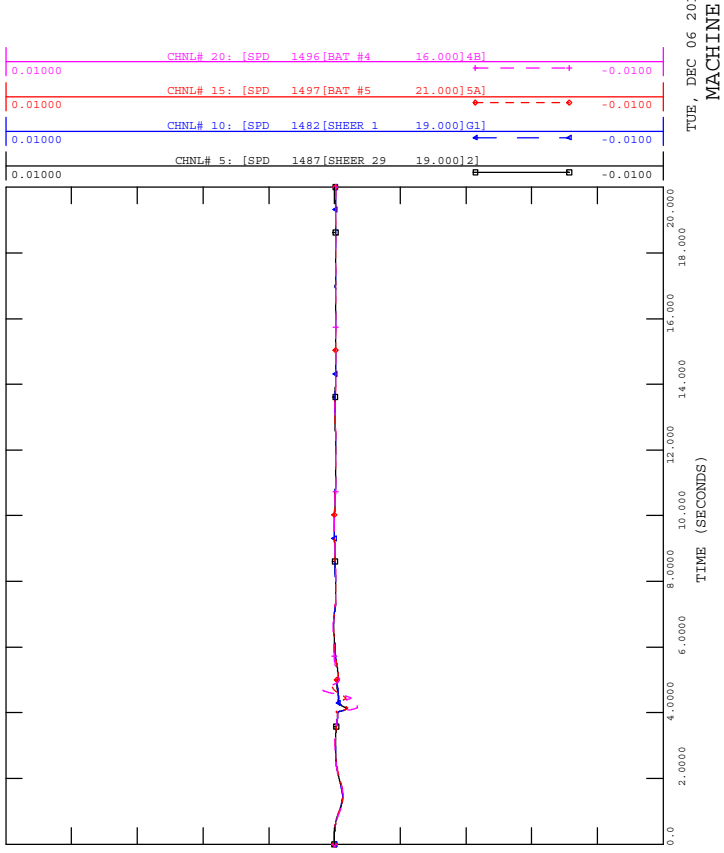


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:32

MACHINE SPEED

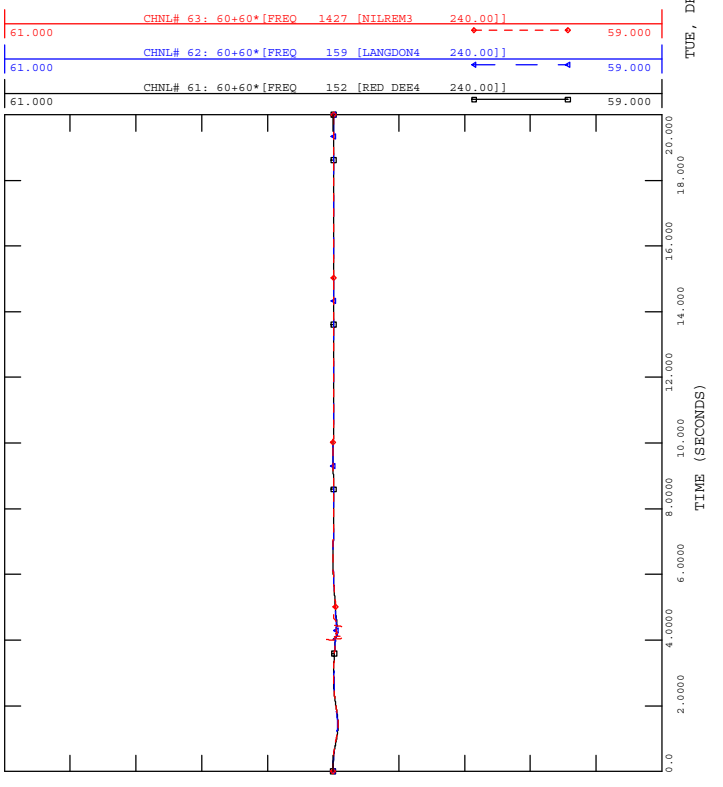


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S

TUE, DEC 06 2016 21:32

FREQUENCY

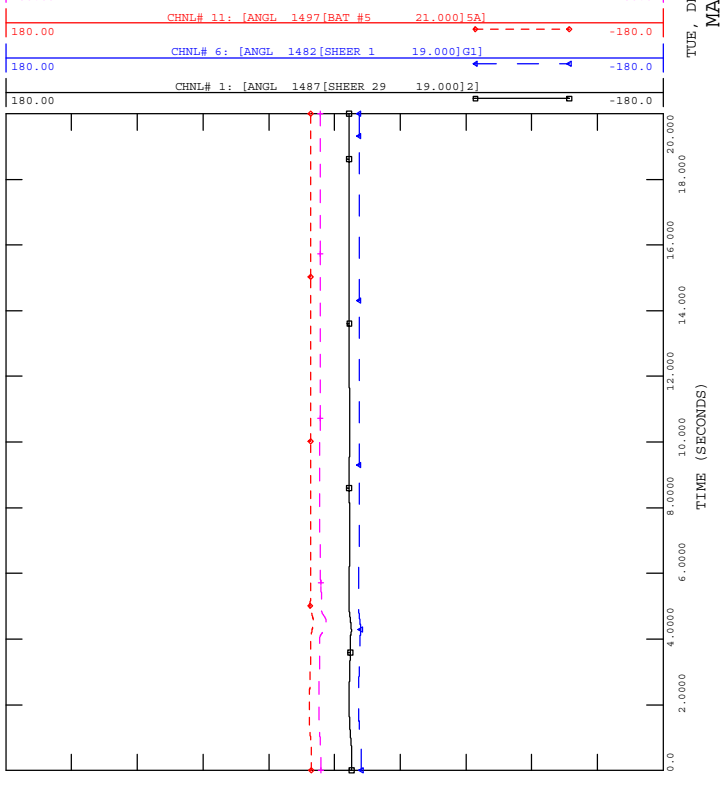


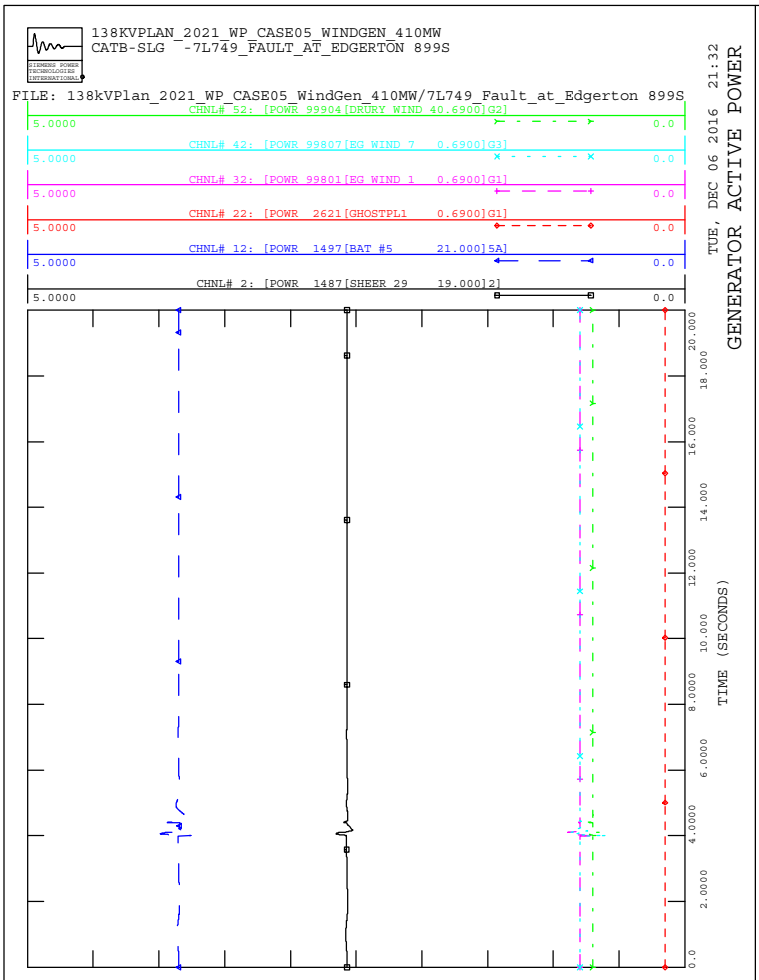
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

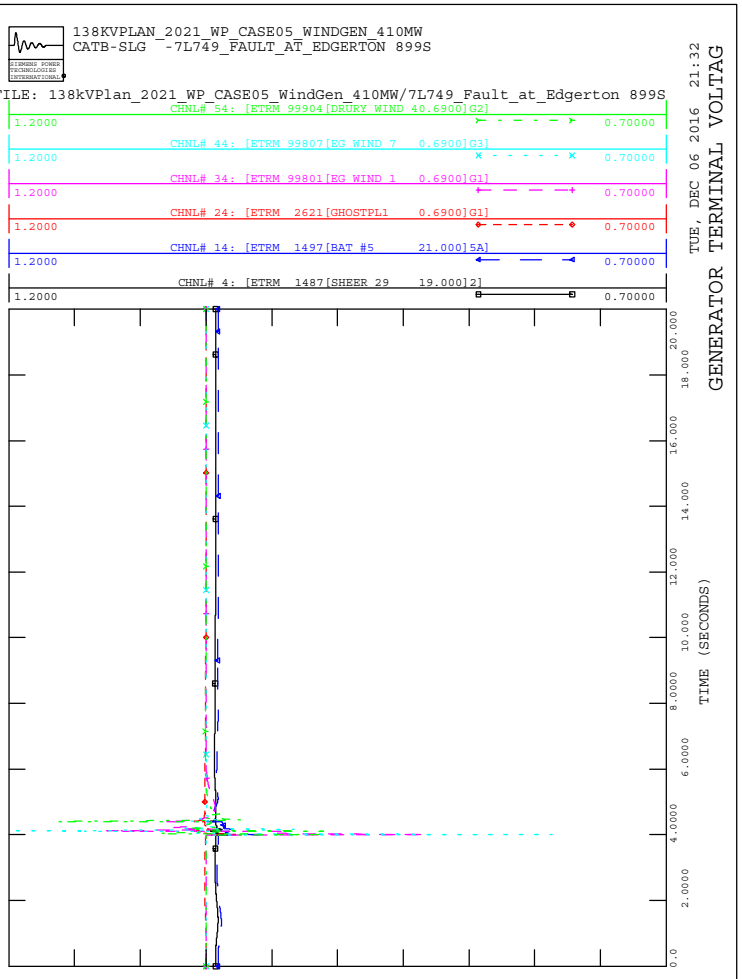
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S

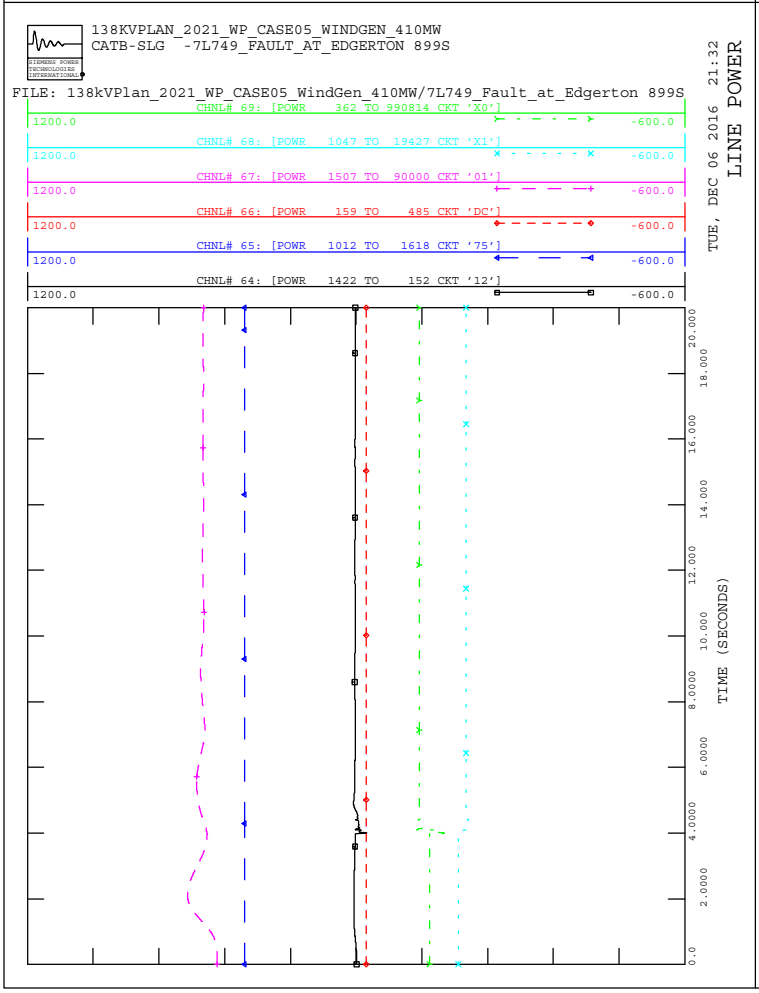
TUE, DEC 06 2016 21:32

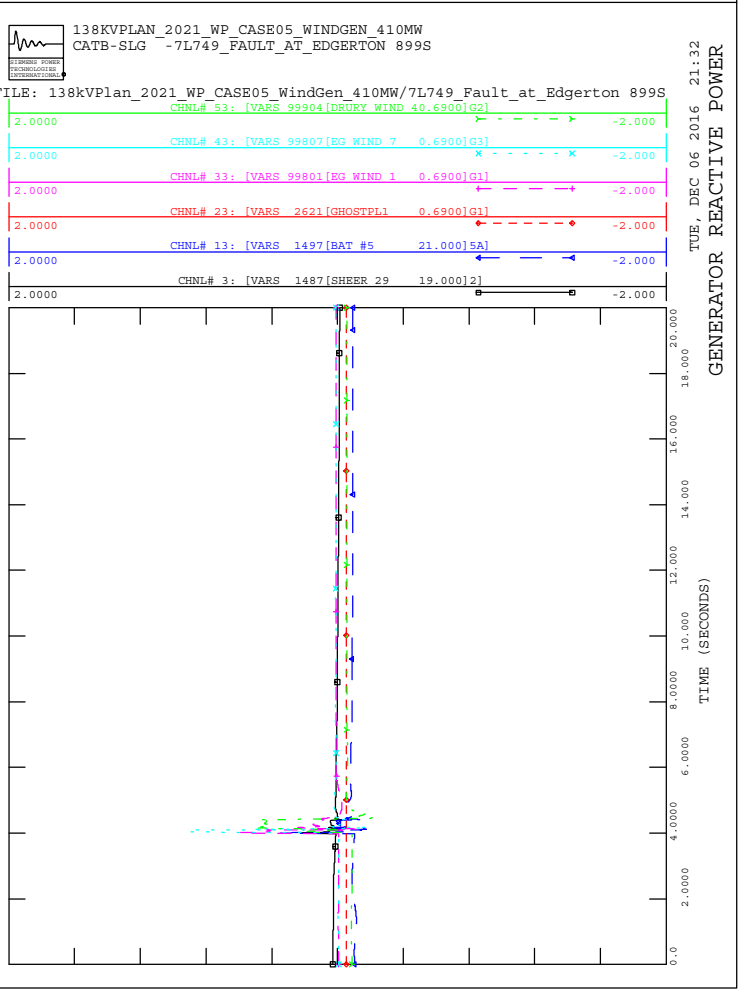
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

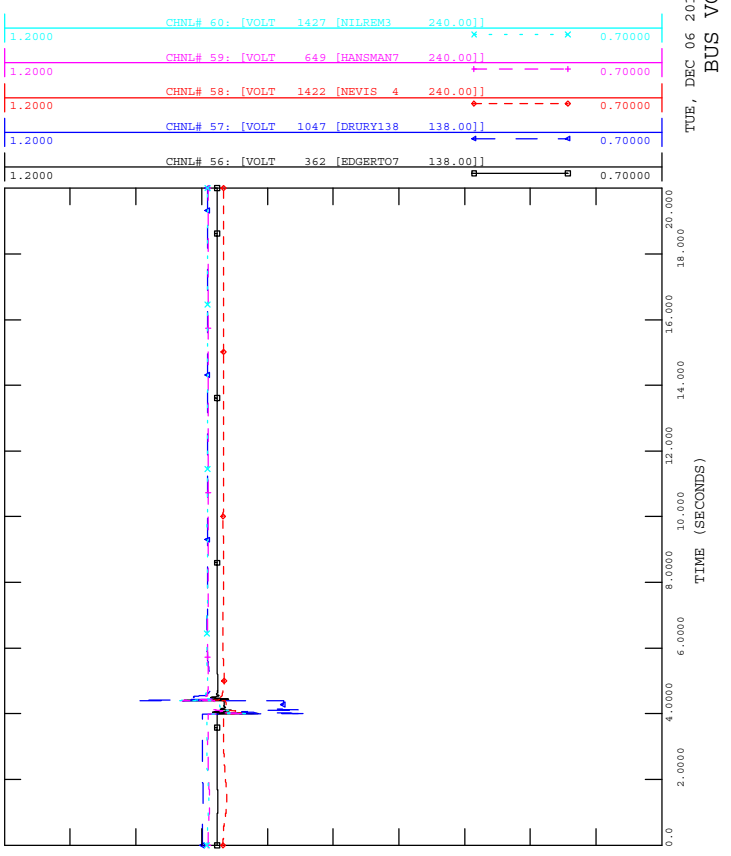

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_Fault_at_Edgerton 899S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3

TUE, DEC 06 2016 21:32

BUS VOLTAGE

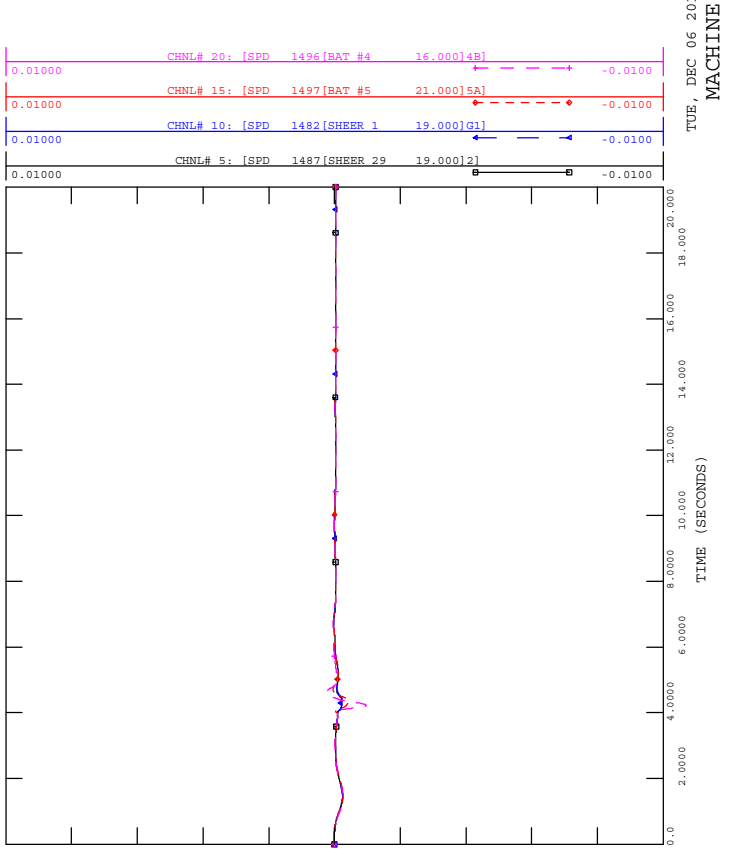


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3

TUE, DEC 06 2016 21:32

MACHINE SPEED

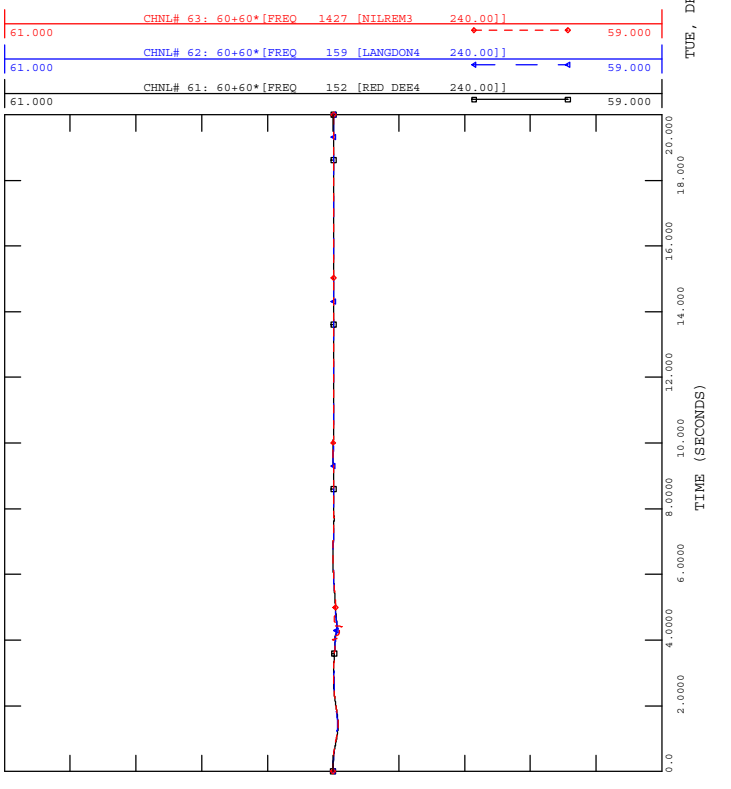


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3

TUE, DEC 06 2016 21:32

FREQUENCY

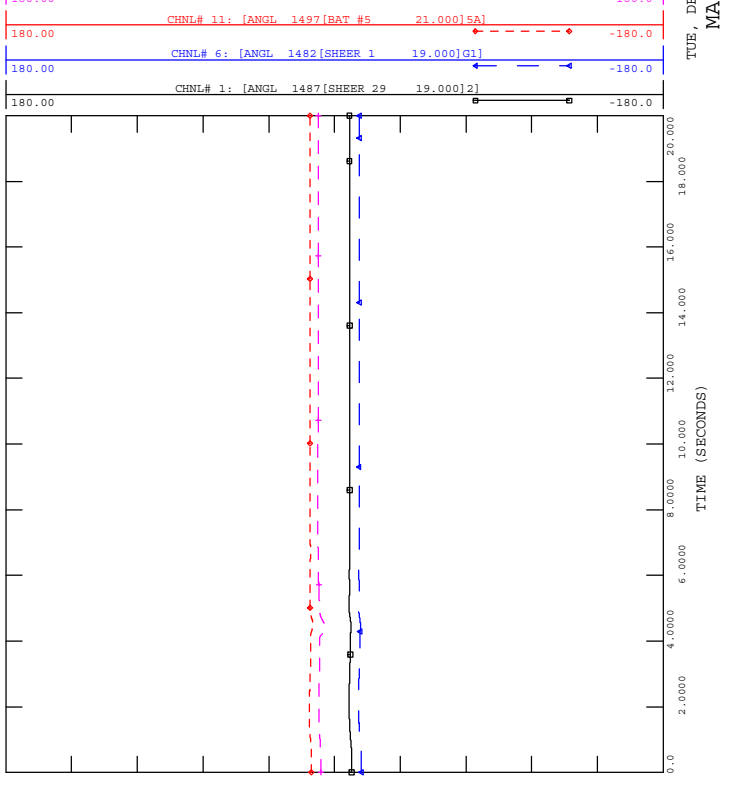


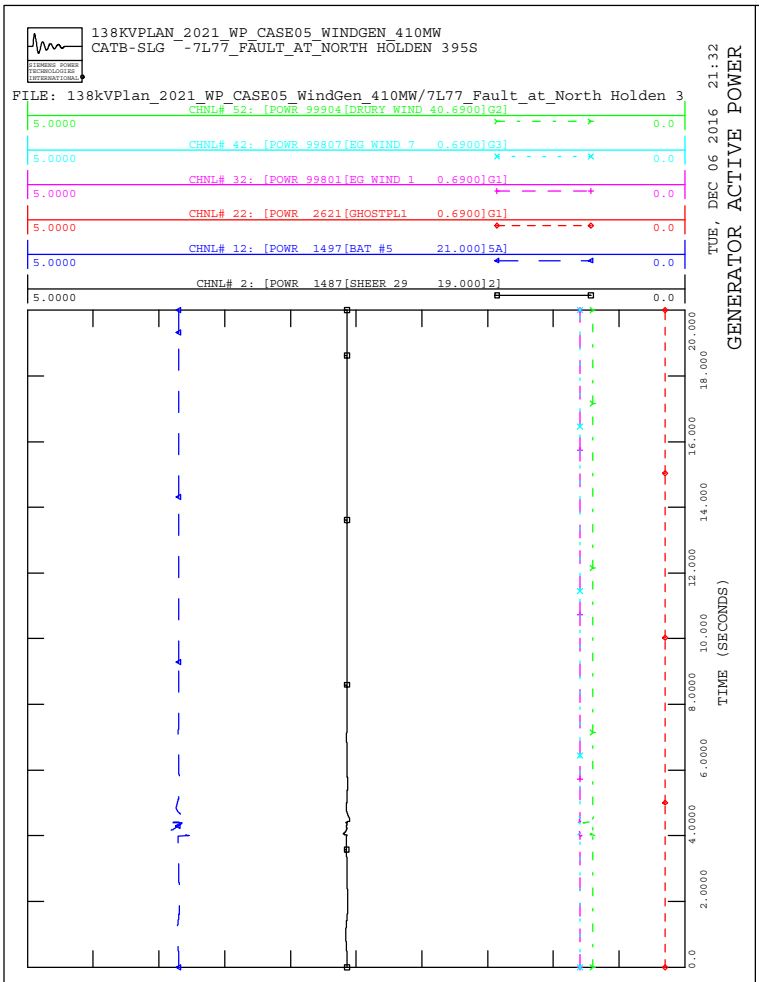
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

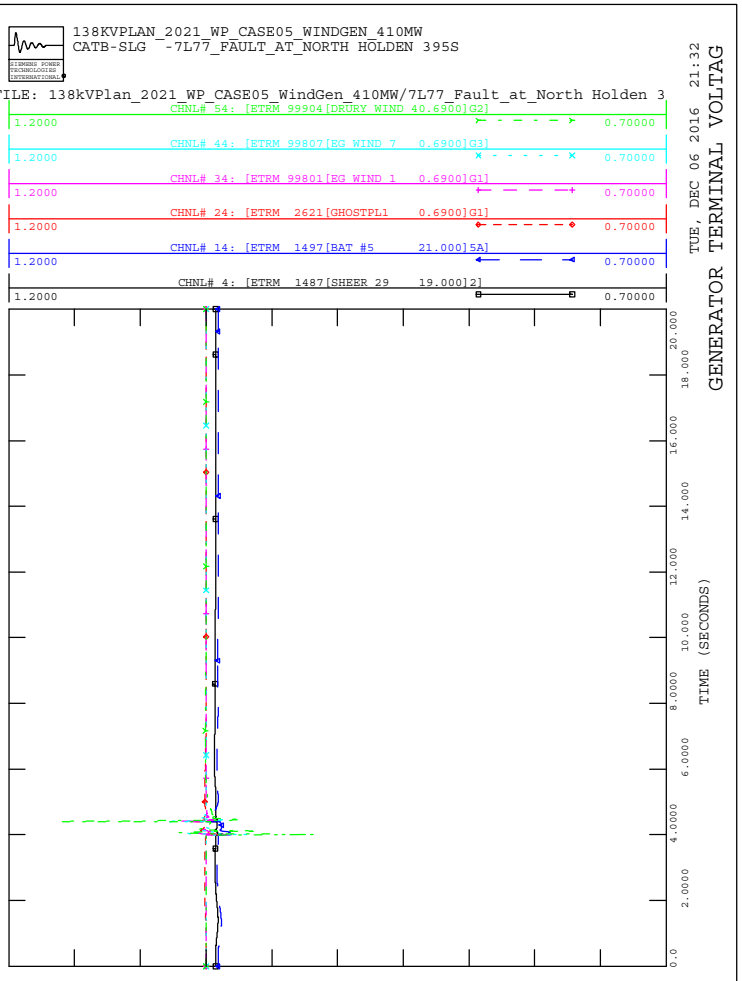
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3

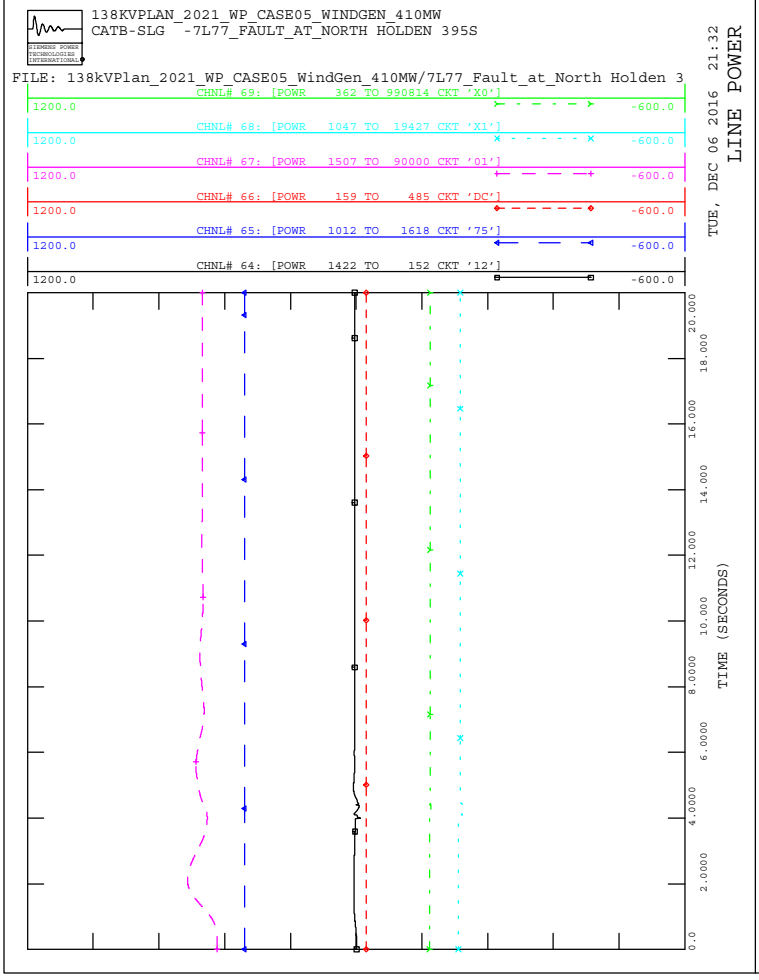
TUE, DEC 06 2016 21:32

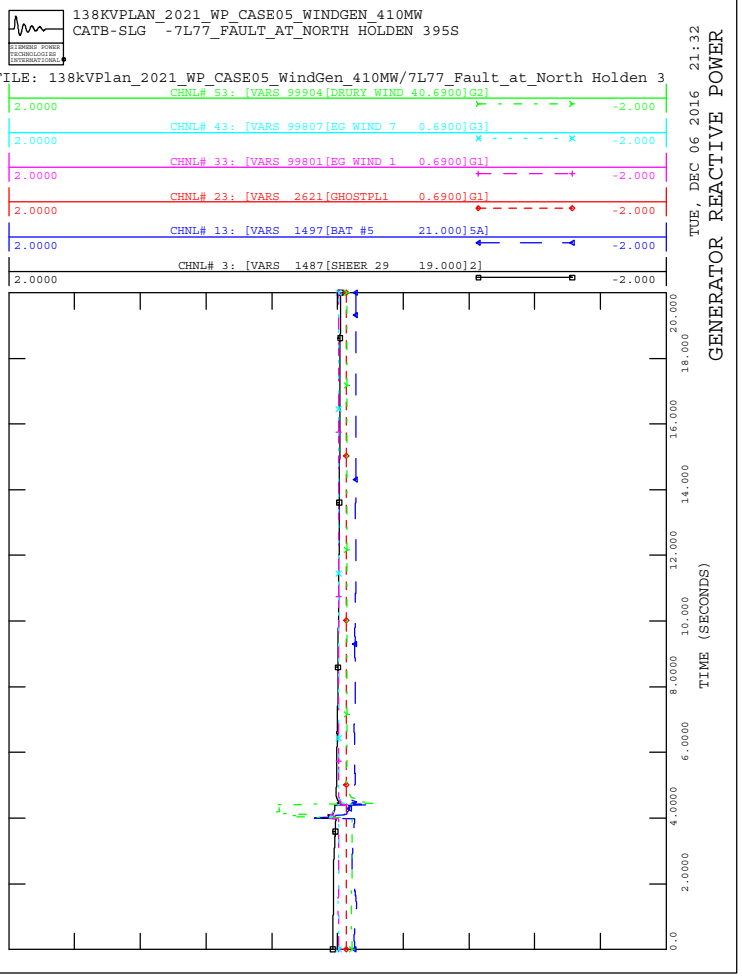
MACHINE ANGLE

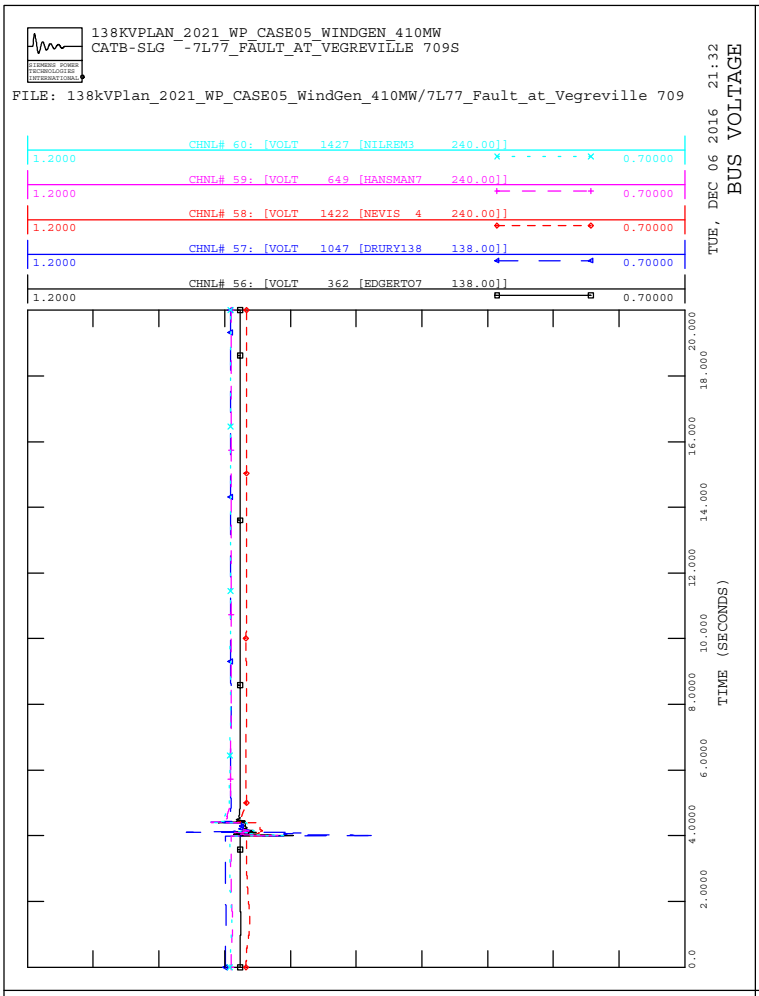


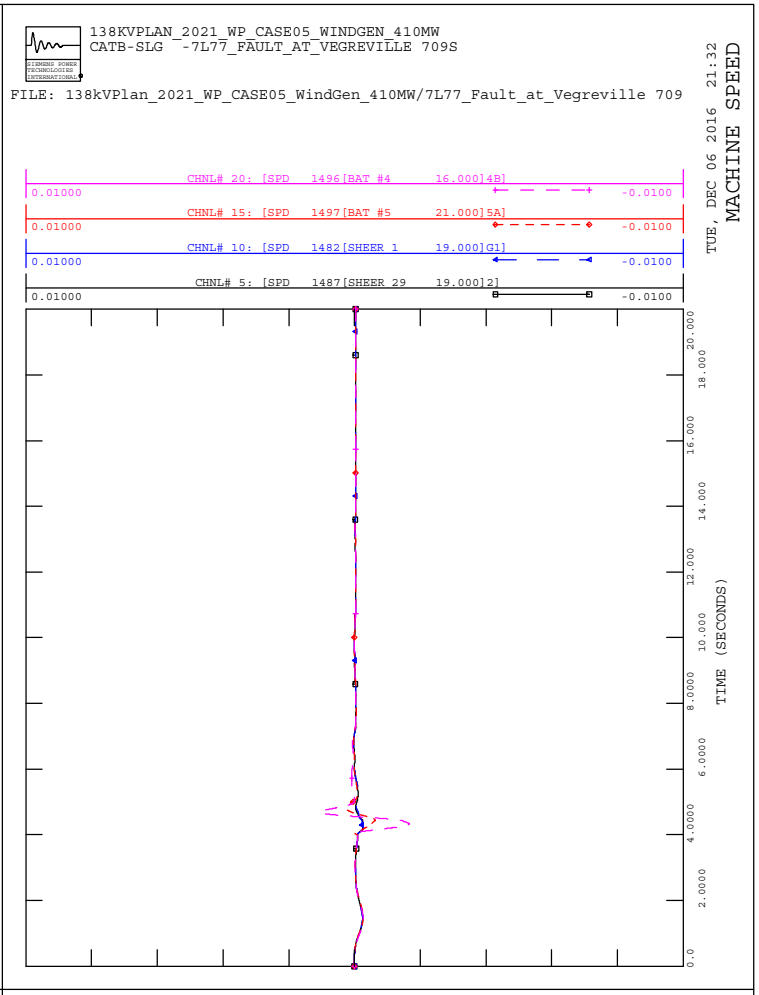

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709
TUE, DEC 06 2016 21:32
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709
TUE, DEC 06 2016 21:32
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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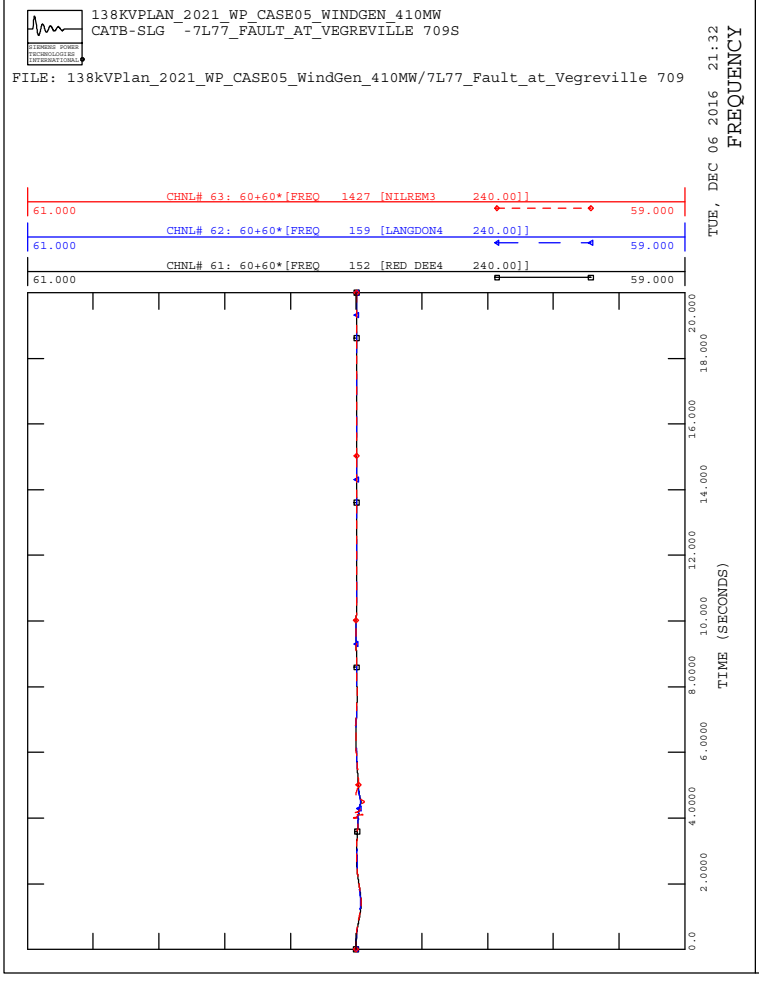
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709
TUE, DEC 06 2016 21:32
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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4.0000
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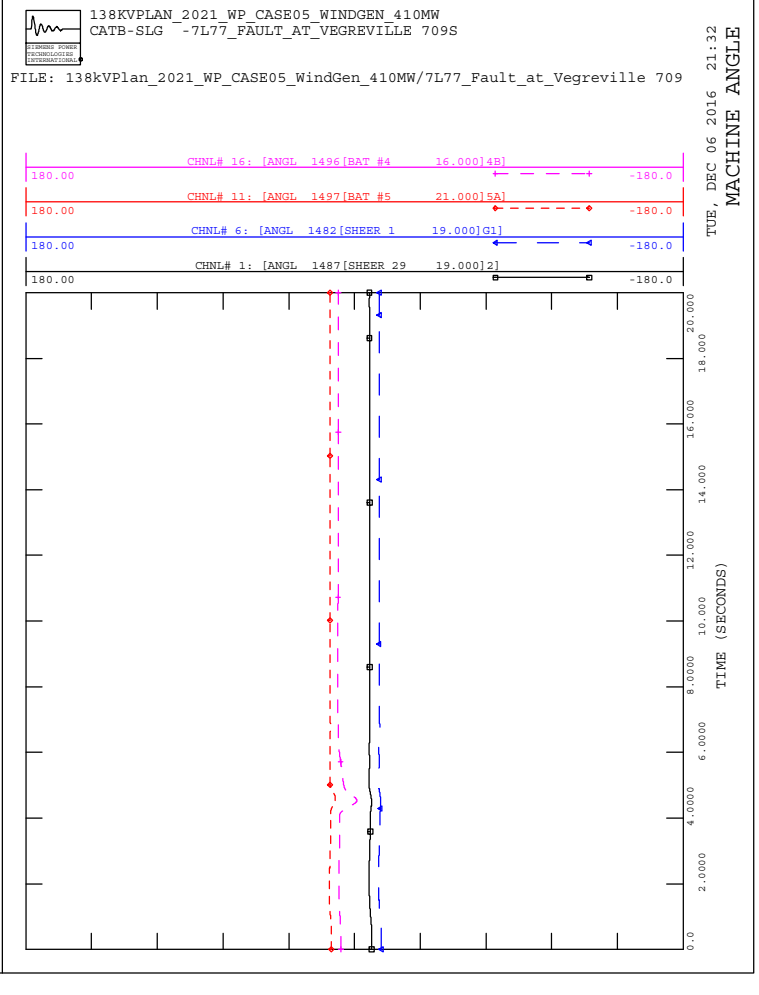
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709
TUE, DEC 06 2016 21:32
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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4.0000
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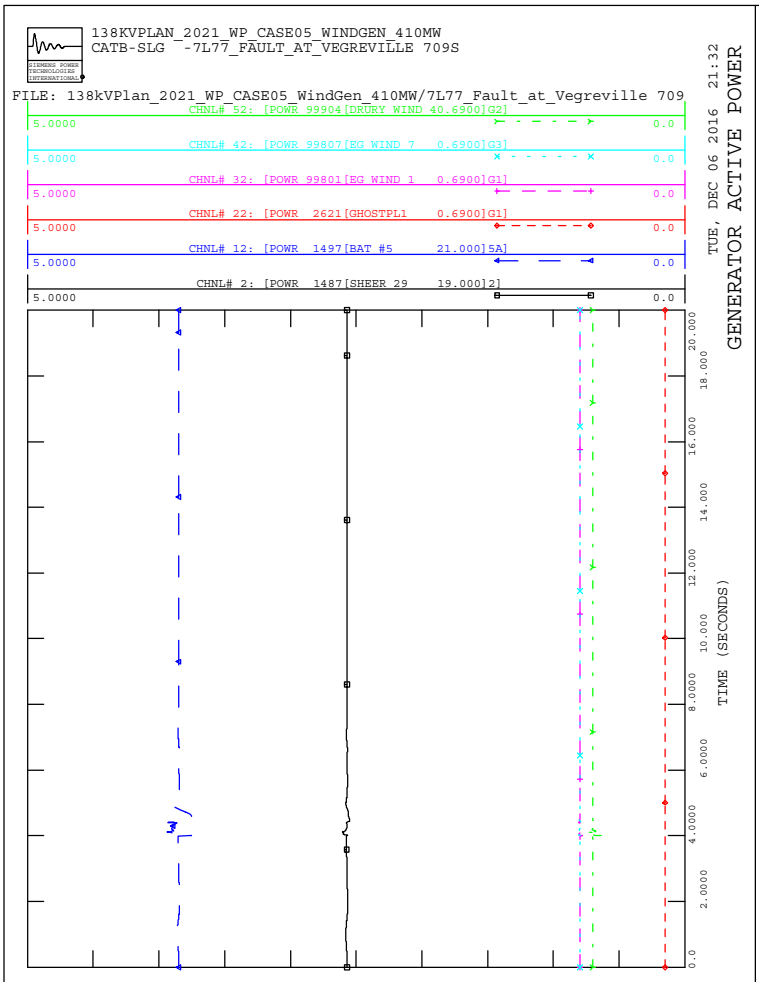
20.000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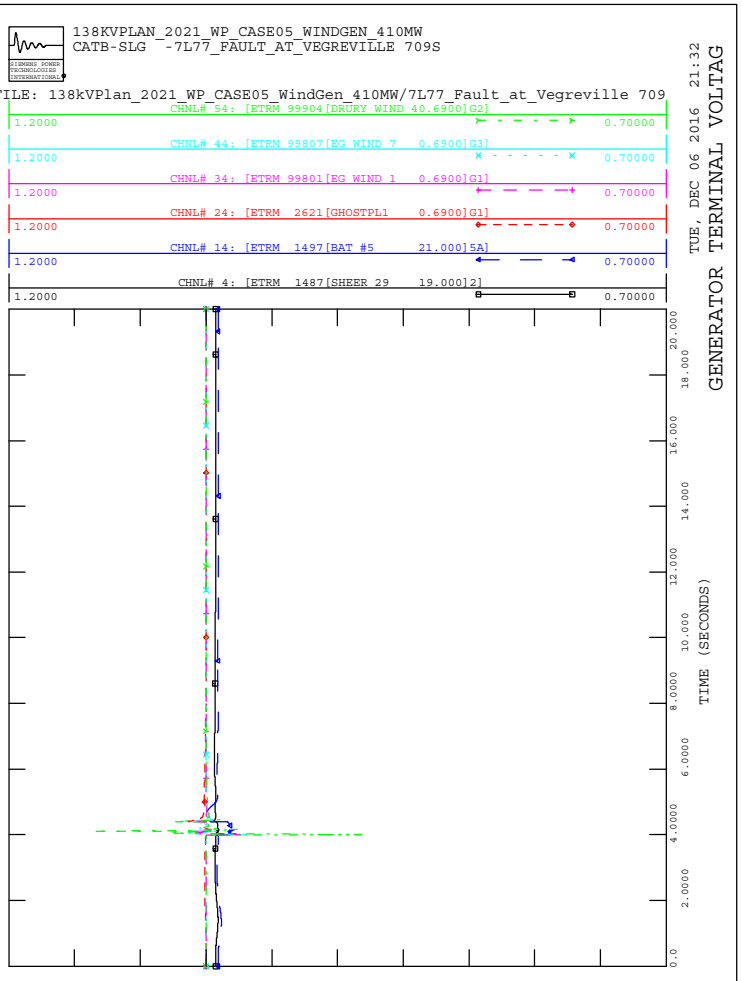
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
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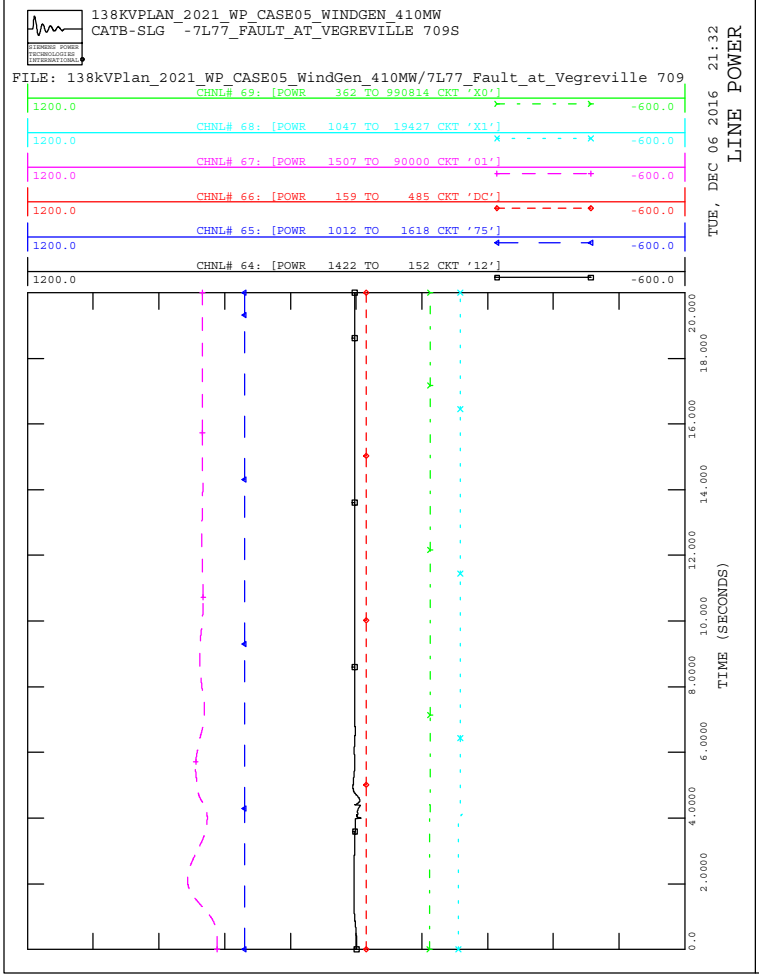
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
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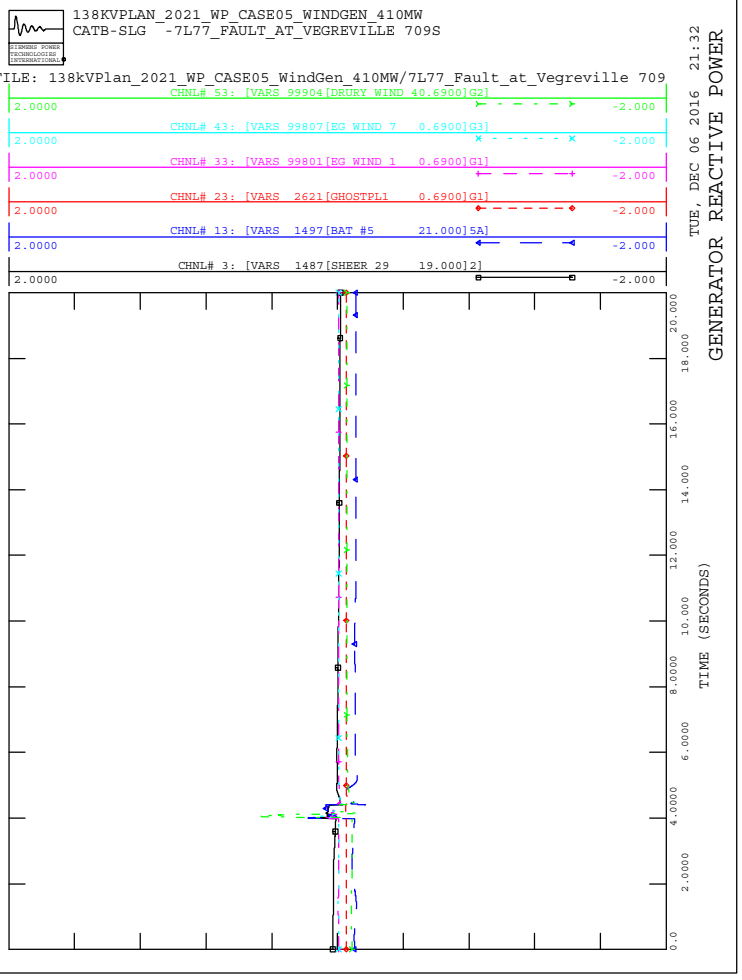
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

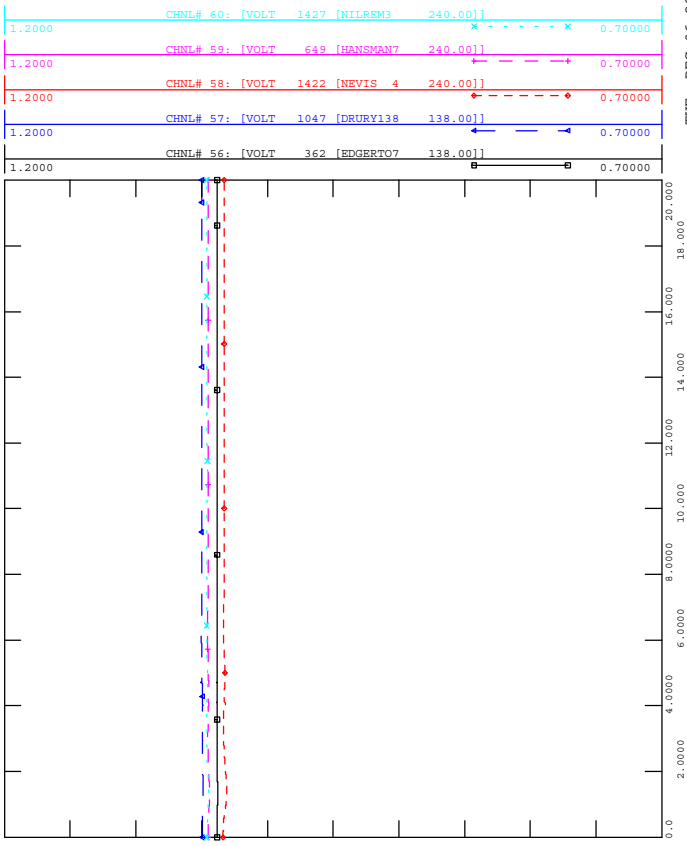

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:32

BUS VOLTAGE

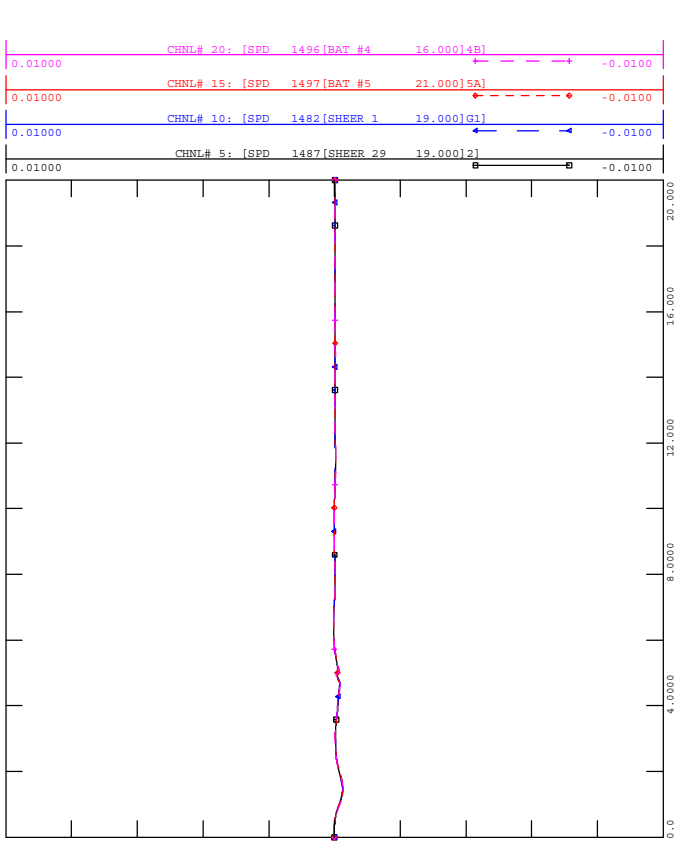


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:32

MACHINE SPEED

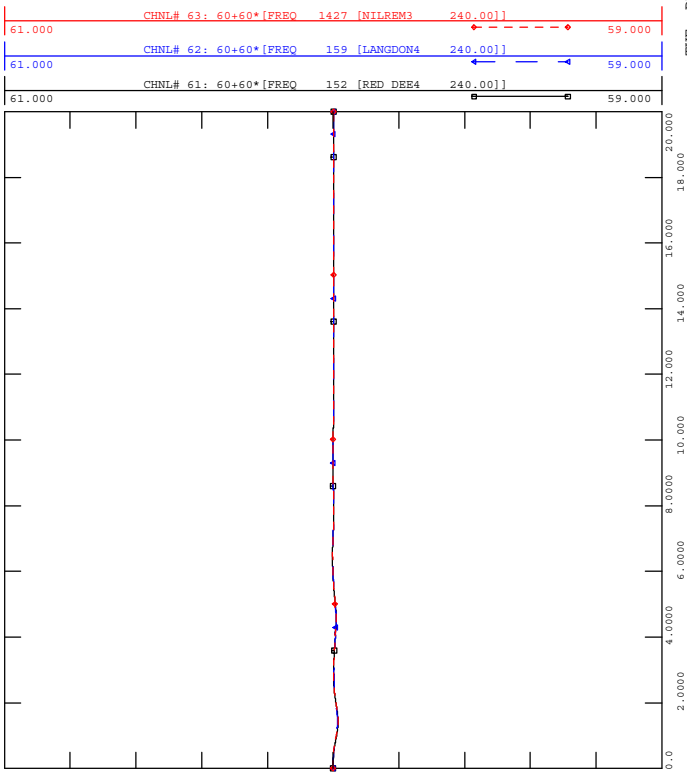


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

TUE, DEC 06 2016 21:32

FREQUENCY

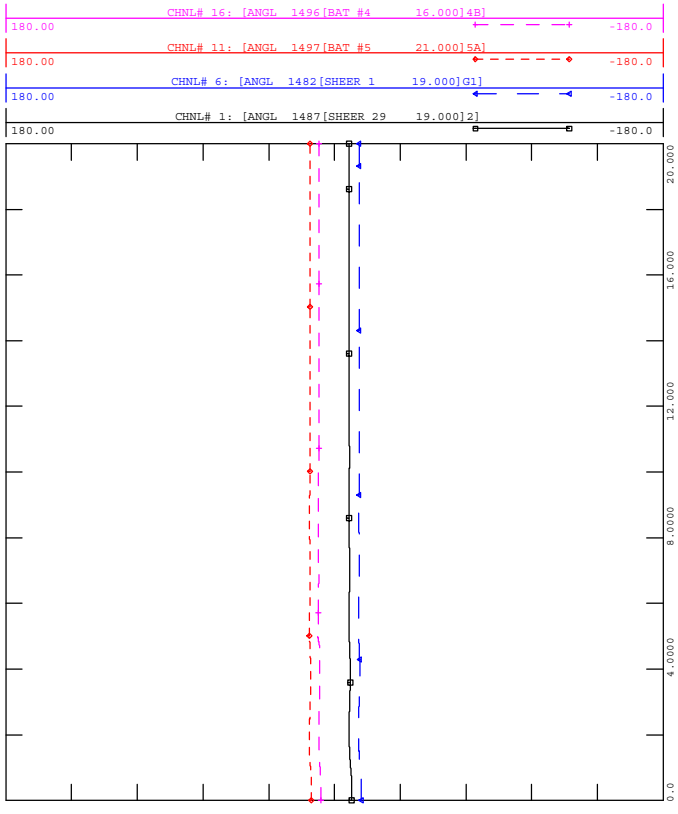


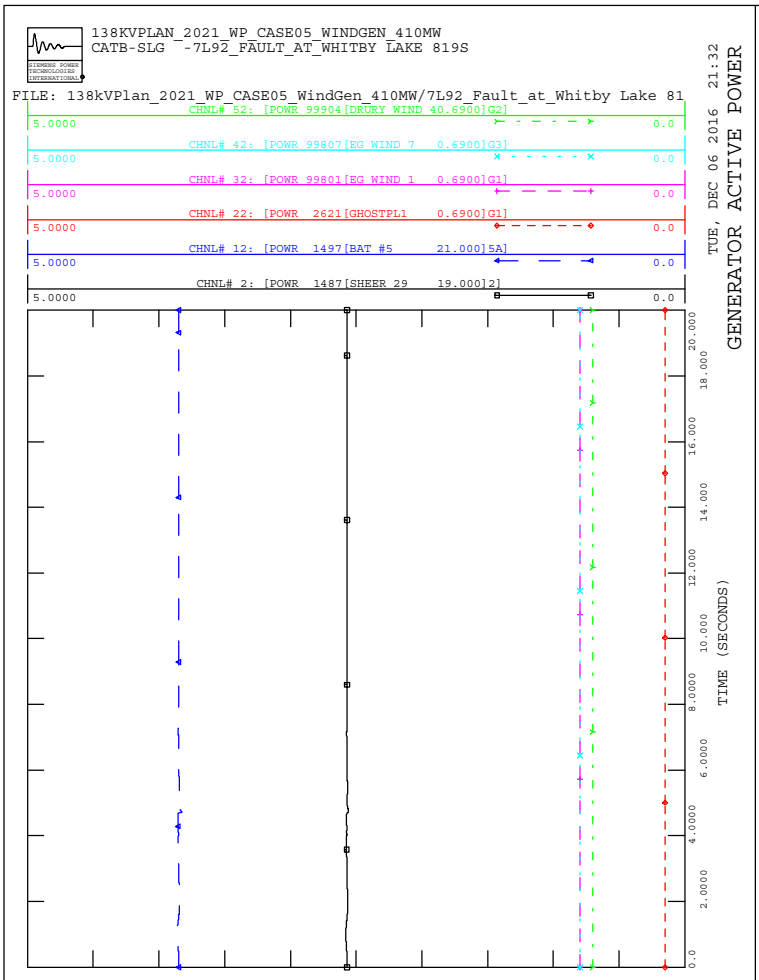
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

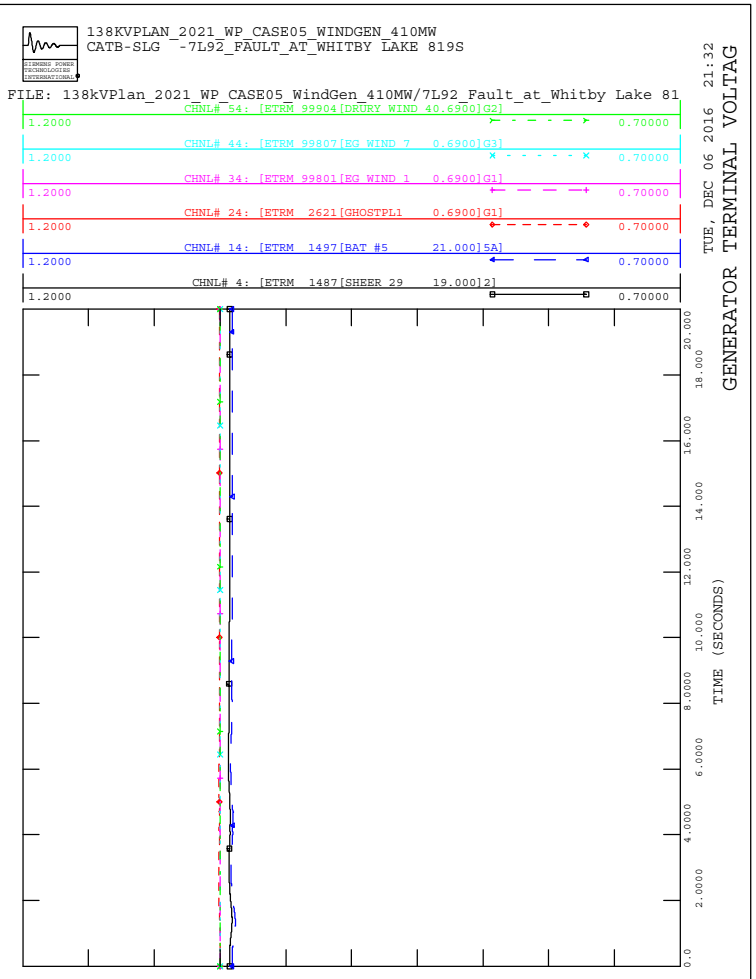
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81

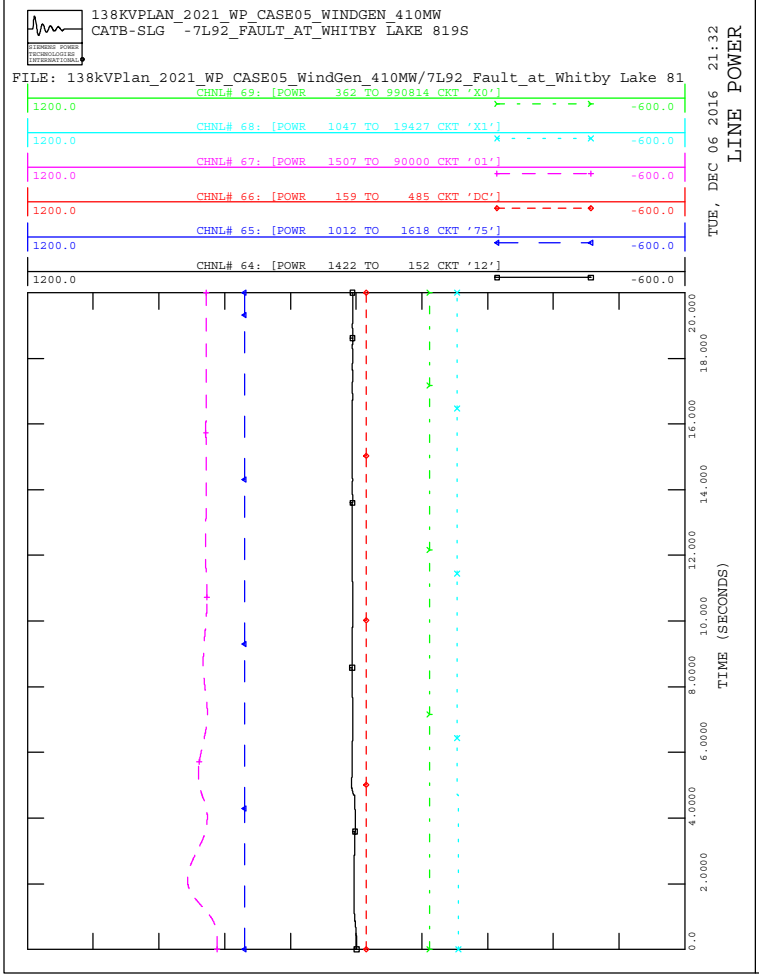
TUE, DEC 06 2016 21:32

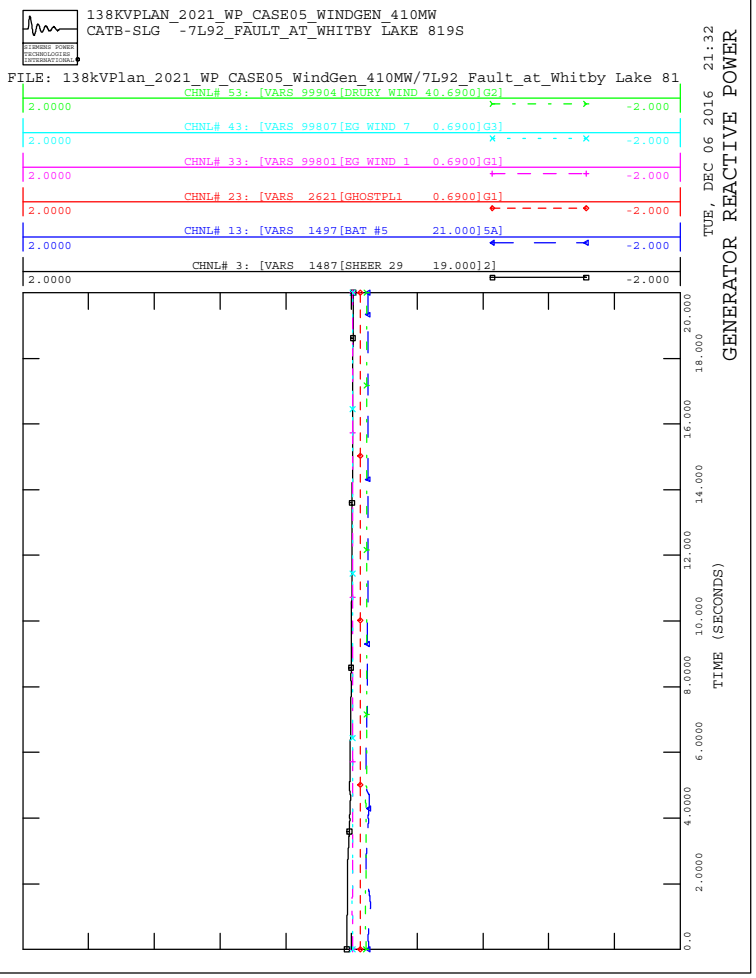
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)

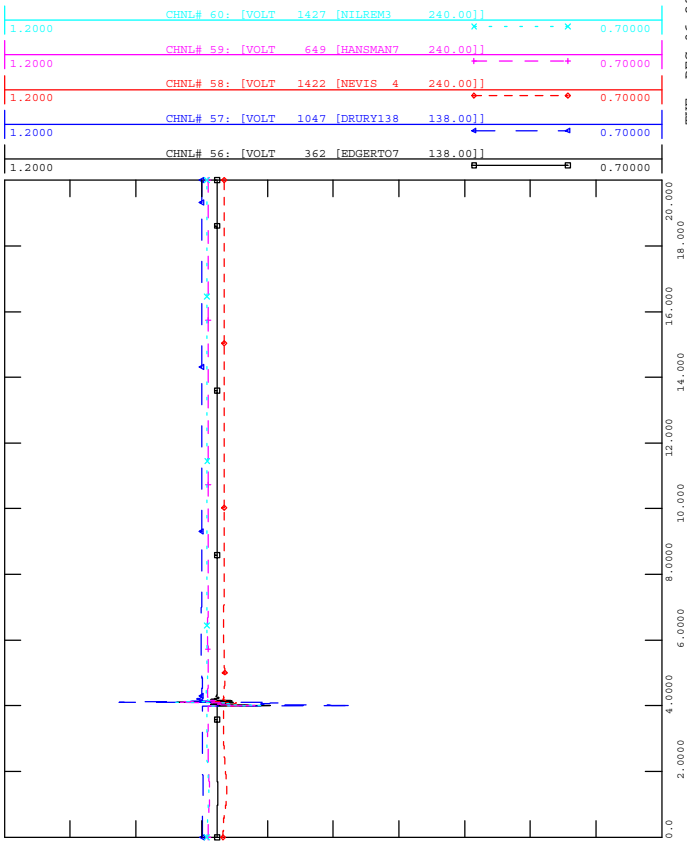

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Whitby Lake 81
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:32

BUS VOLTAGE

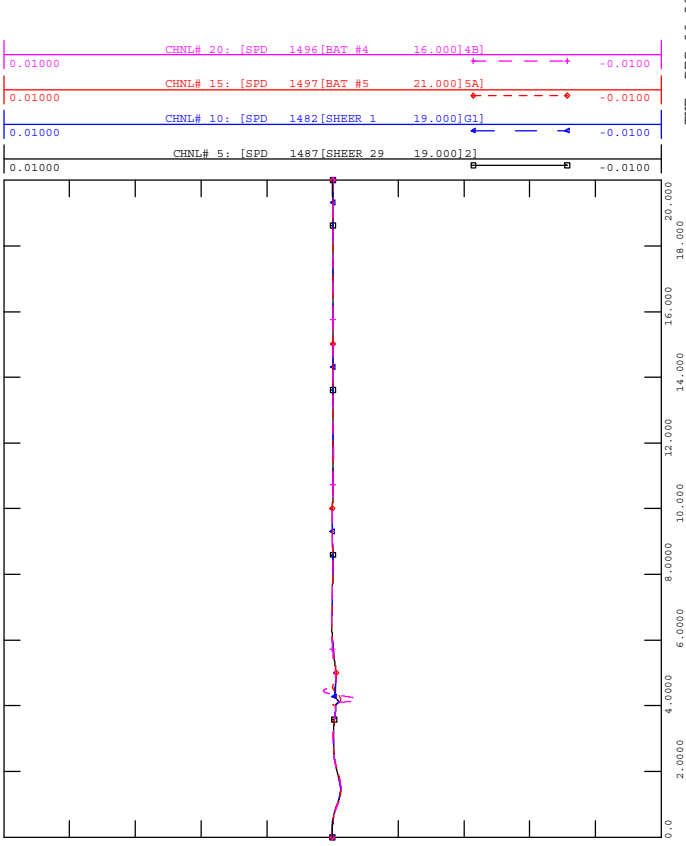


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:32

MACHINE SPEED



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CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709

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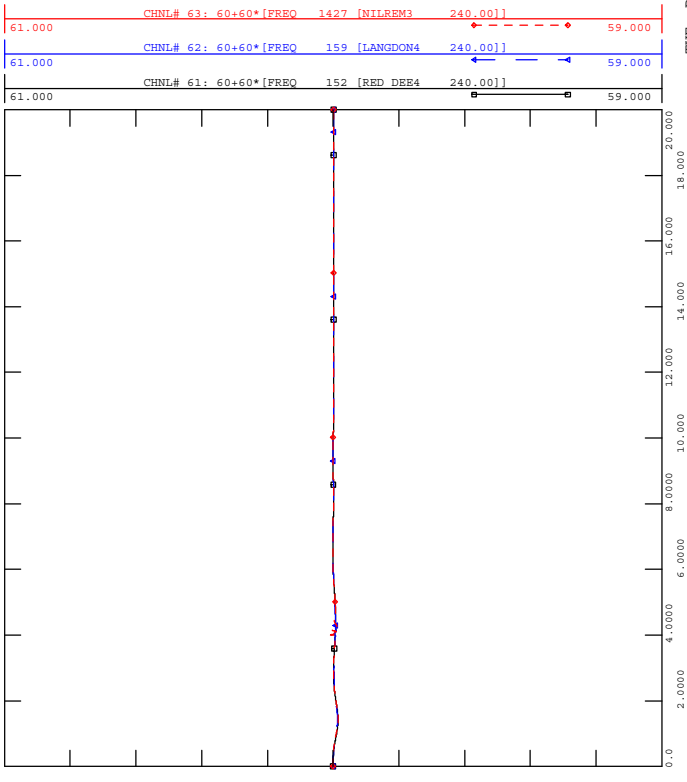
FREQUENCY

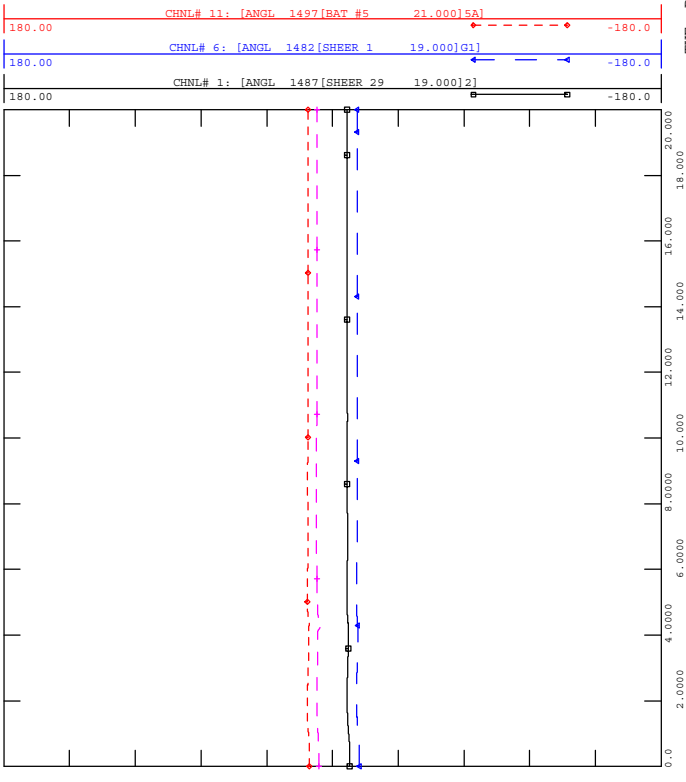


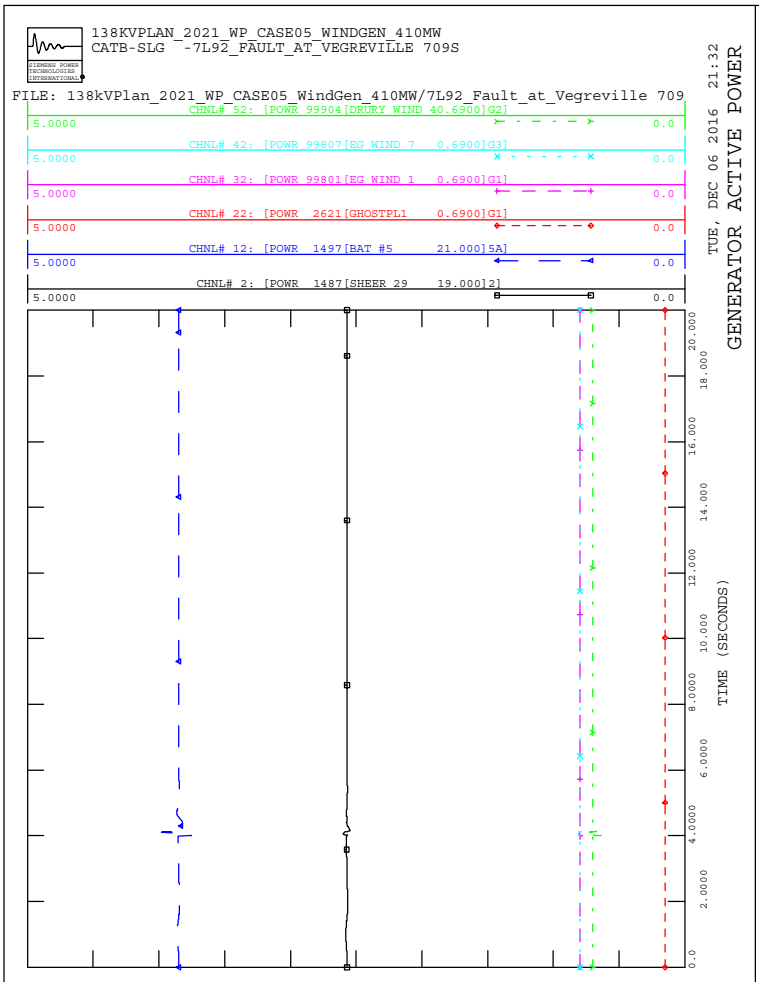
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

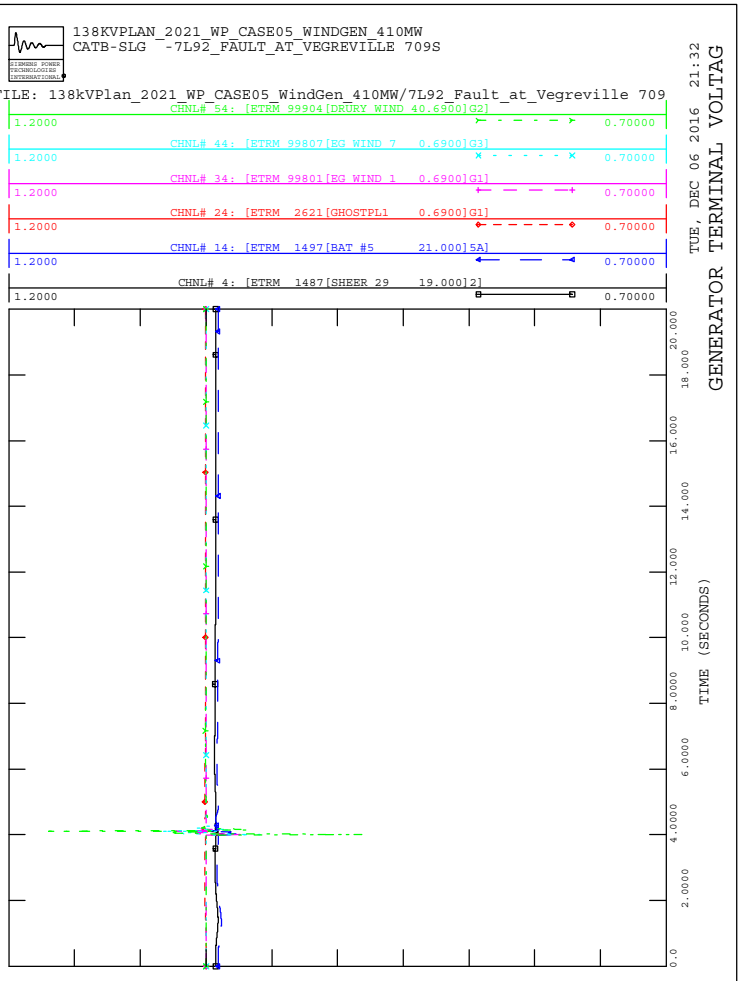
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709

TUE, DEC 06 2016 21:32

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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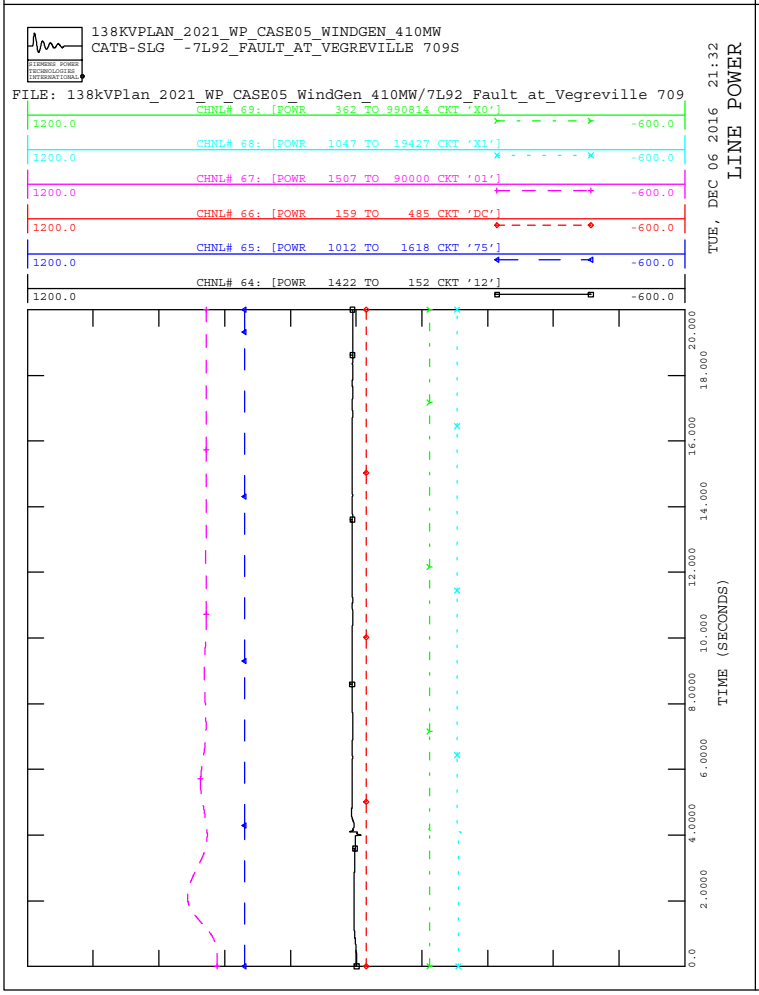
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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12.000
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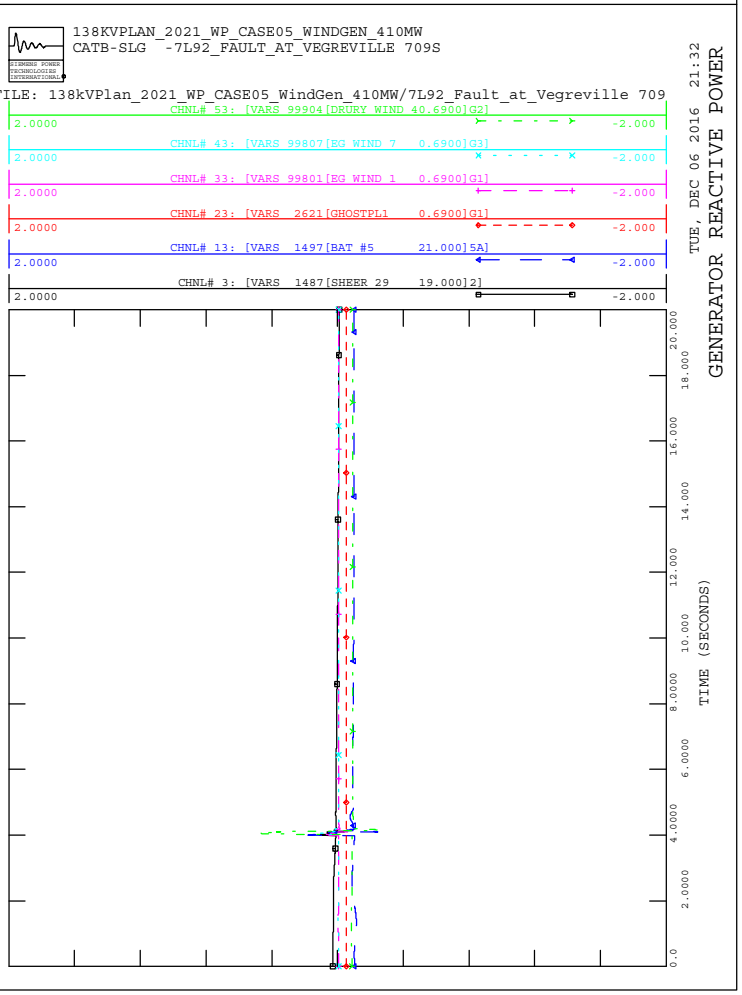
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:32

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000

CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000

CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000

CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000

CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:32

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100

CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100

CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100

CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:32

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000

CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000

CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:32

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0

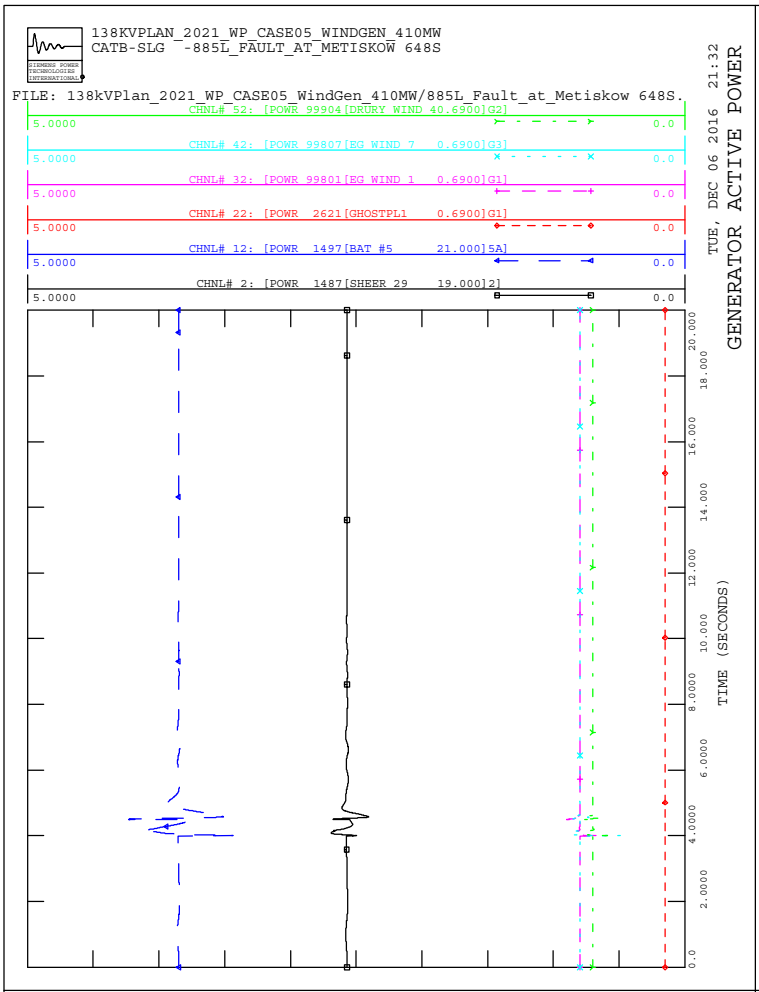
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0

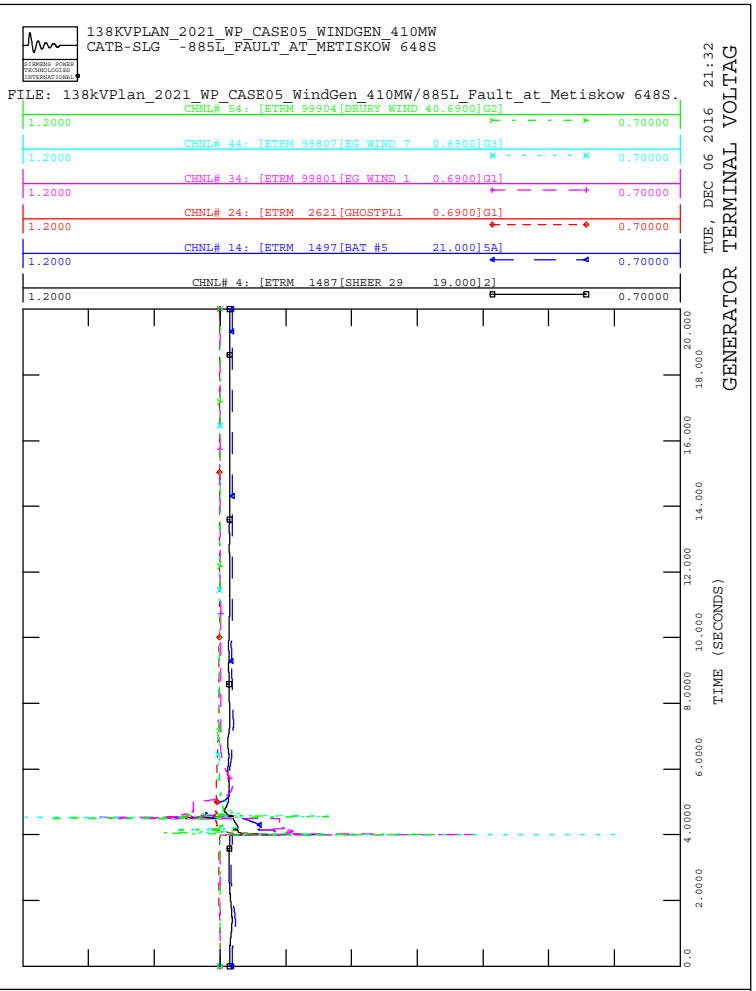
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0

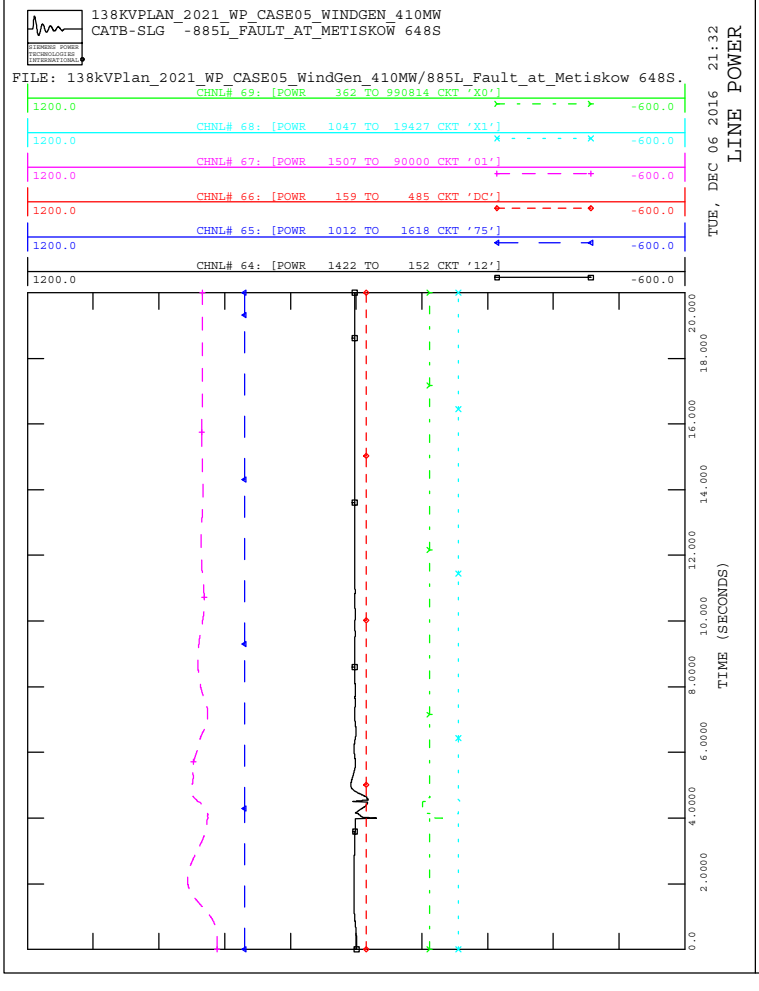
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

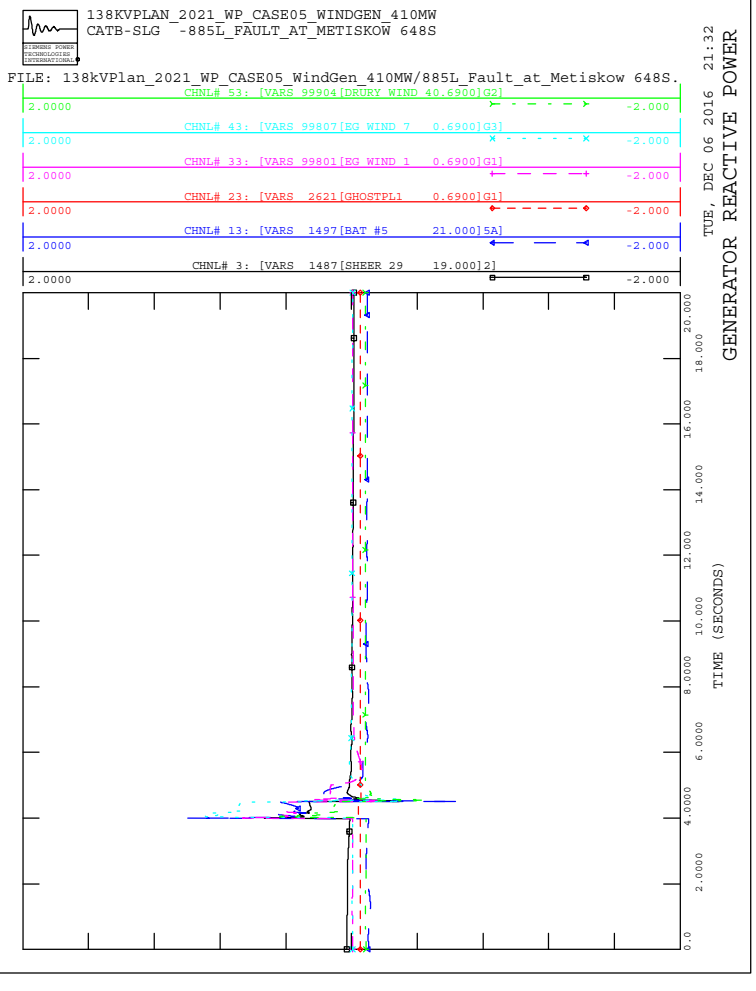
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:32

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:32

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:32

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

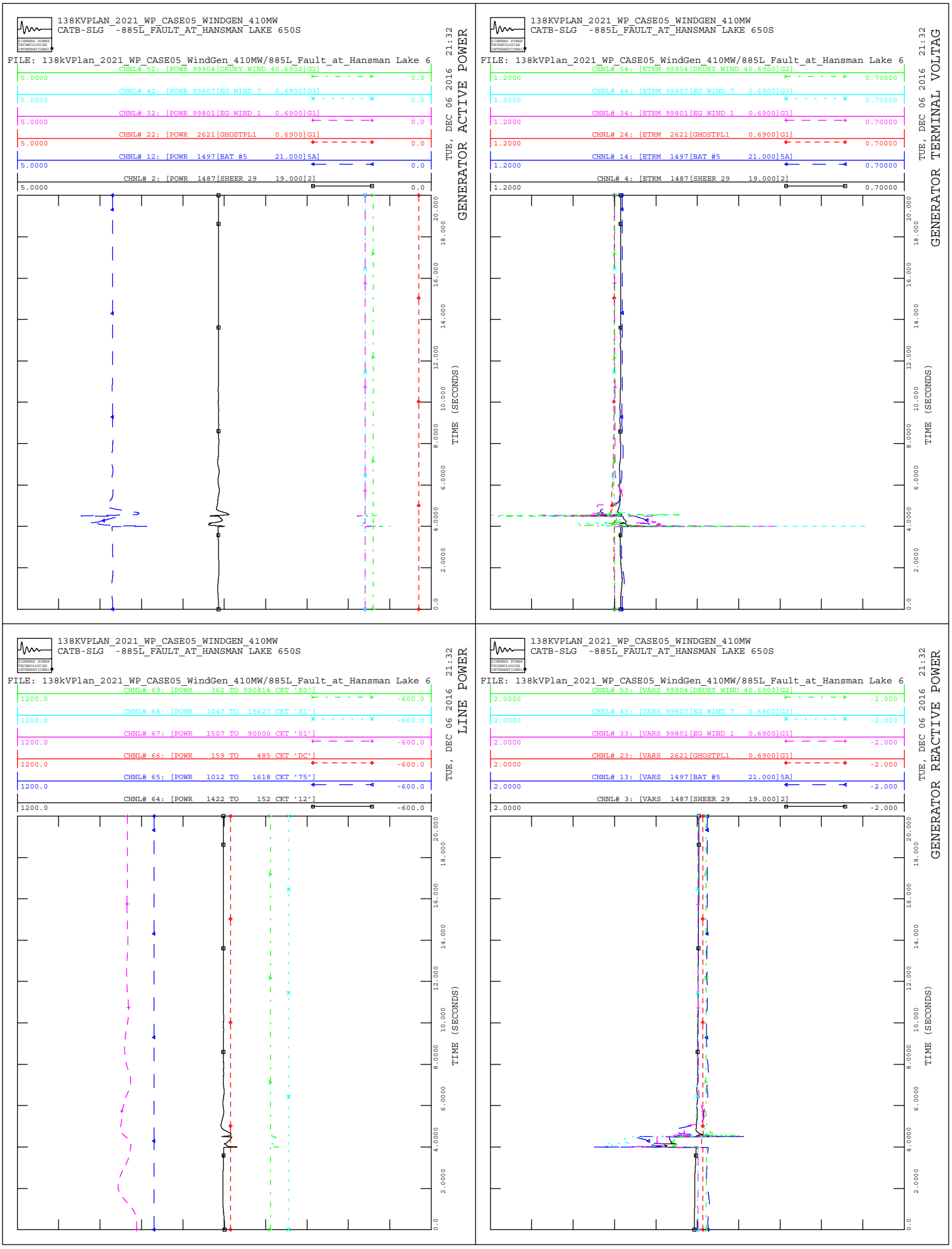
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:32

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:32

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:32

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:32

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

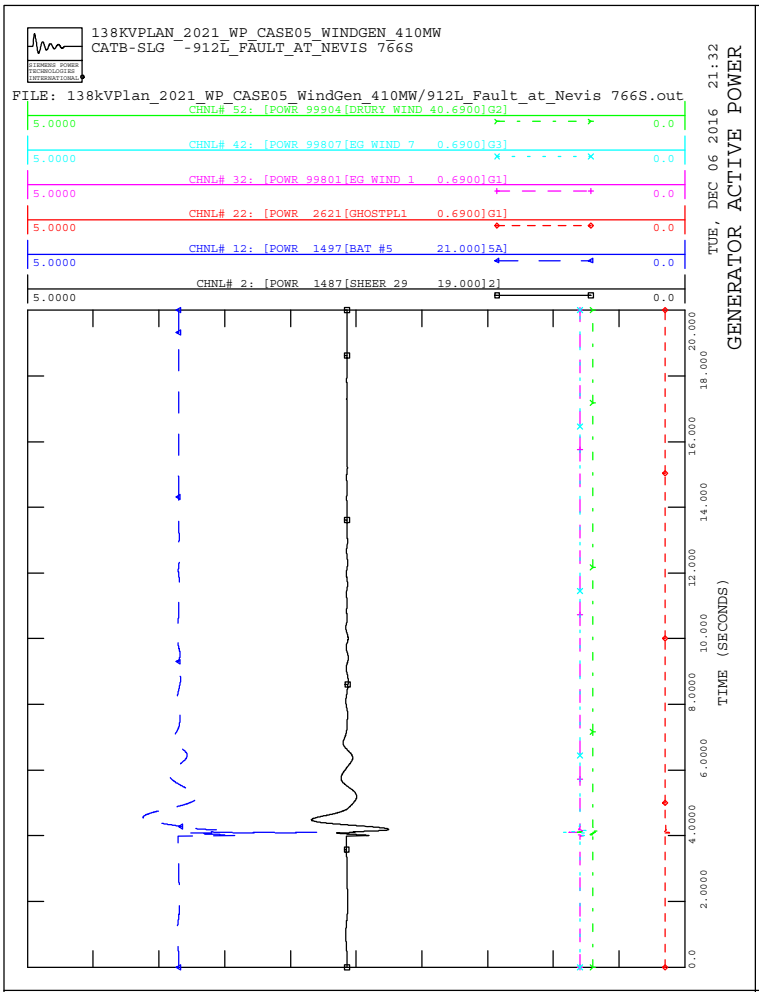
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out

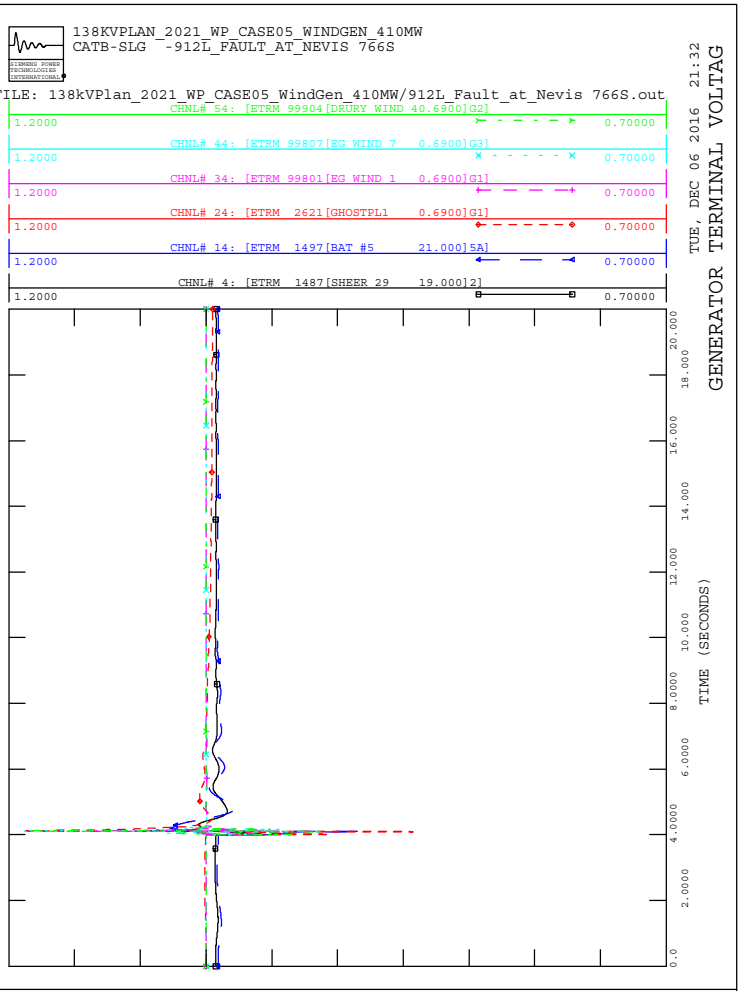
TUE, DEC 06 2016 21:32

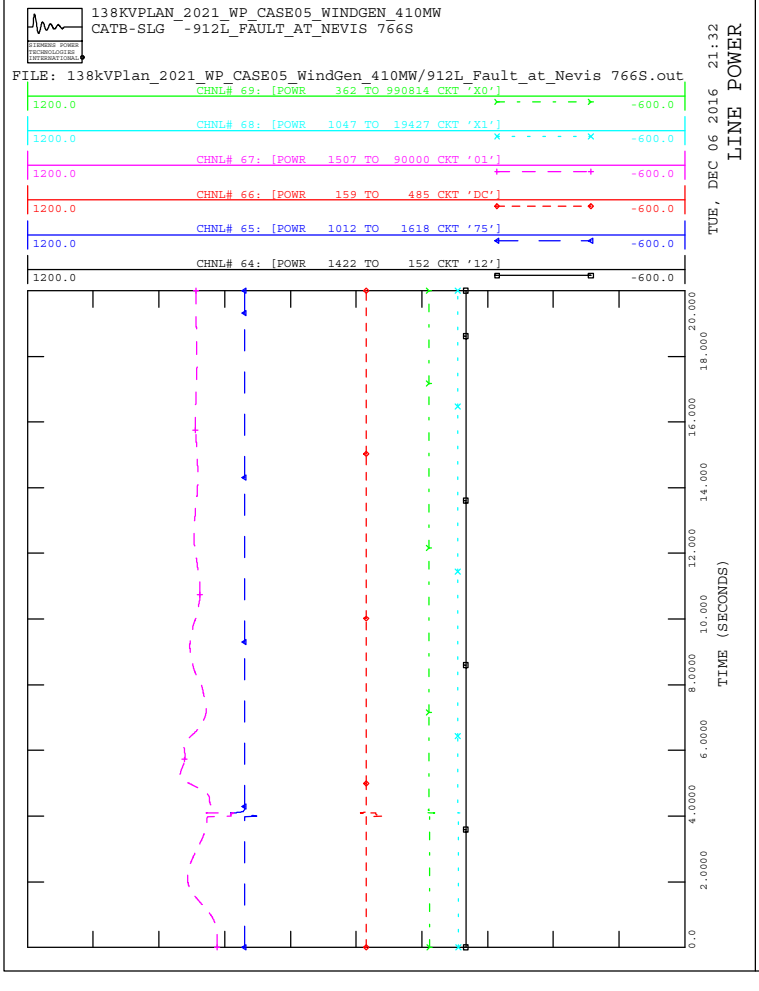
MACHINE ANGLE

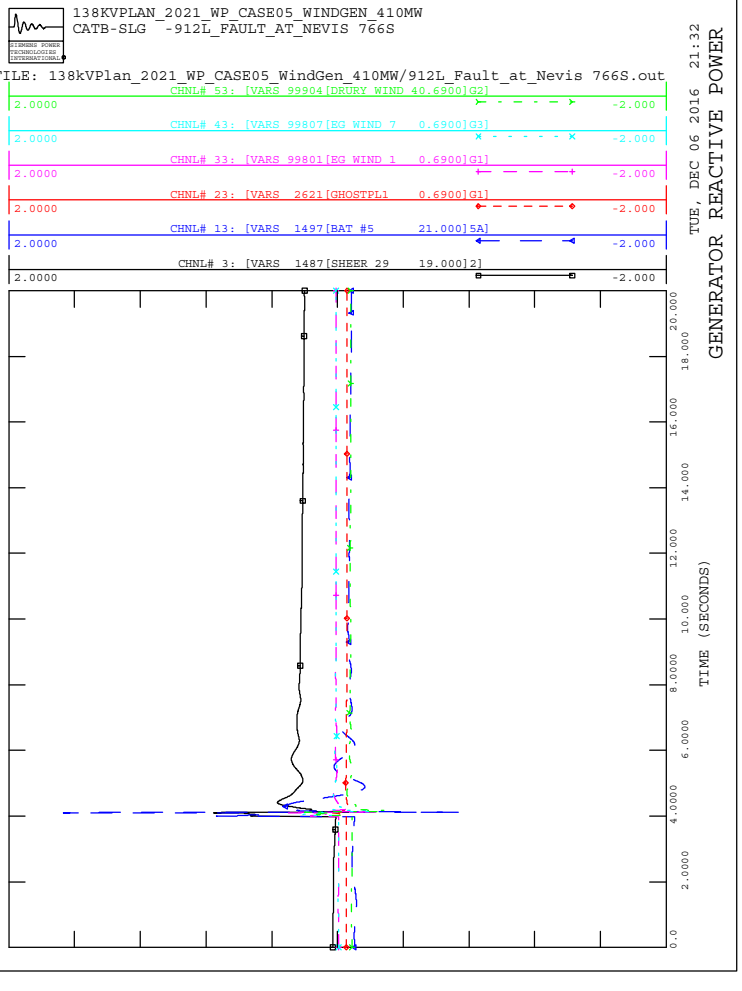
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:32
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

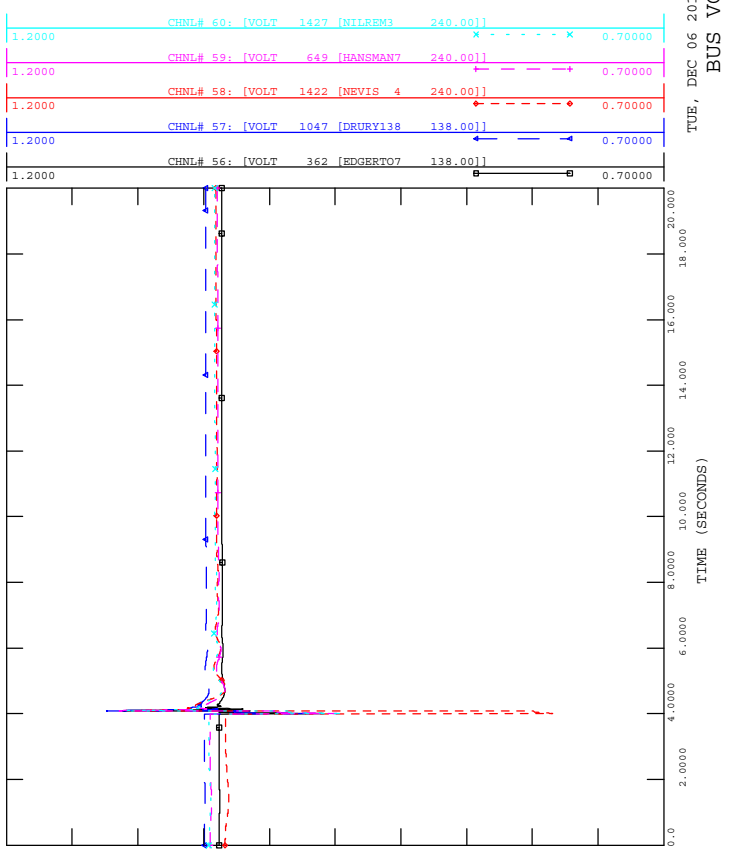

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:32
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 21:32

BUS VOLTAGE

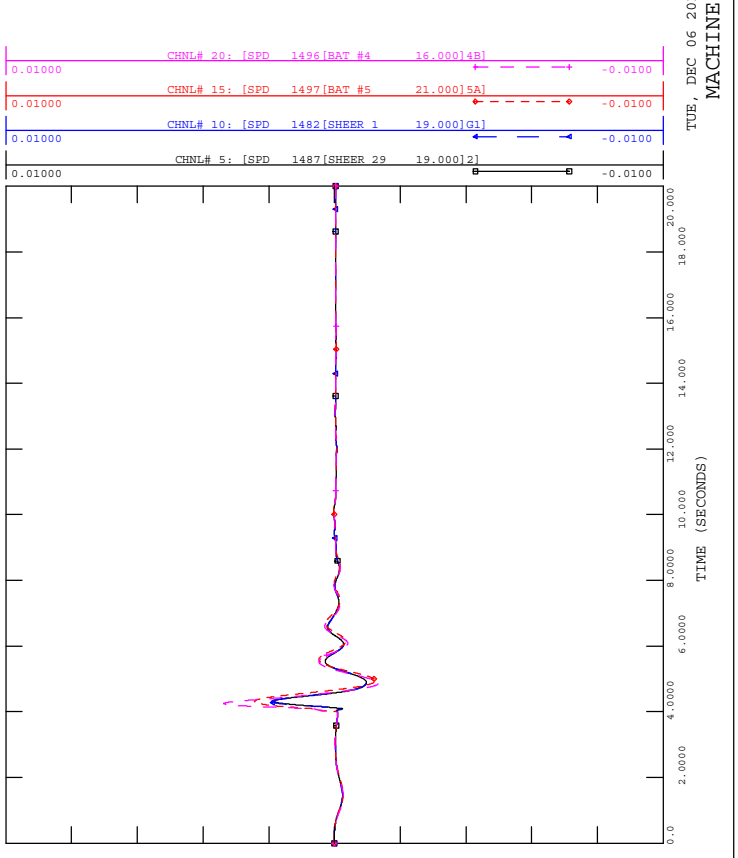


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 21:32

MACHINE SPEED

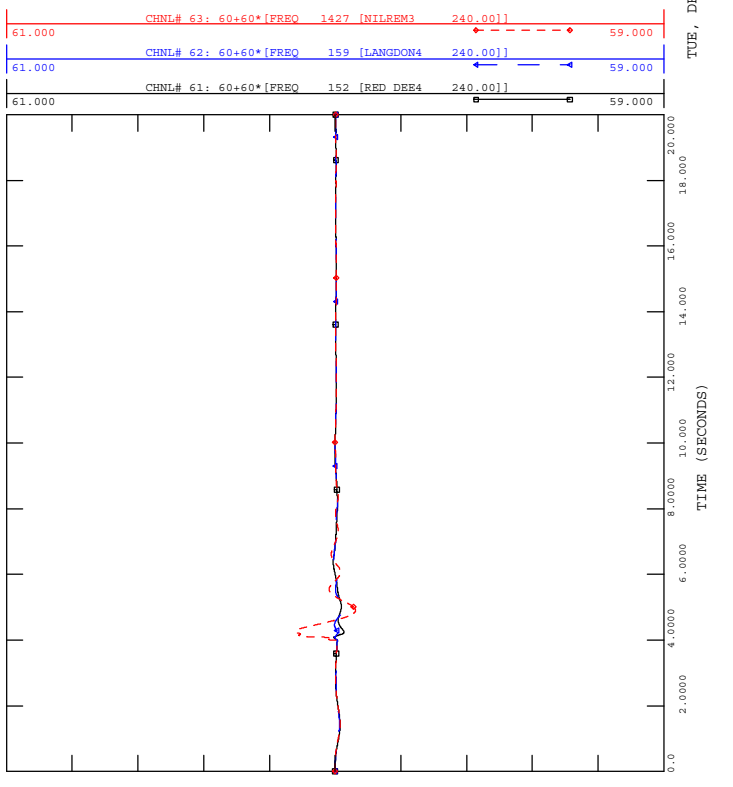


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 21:32

FREQUENCY

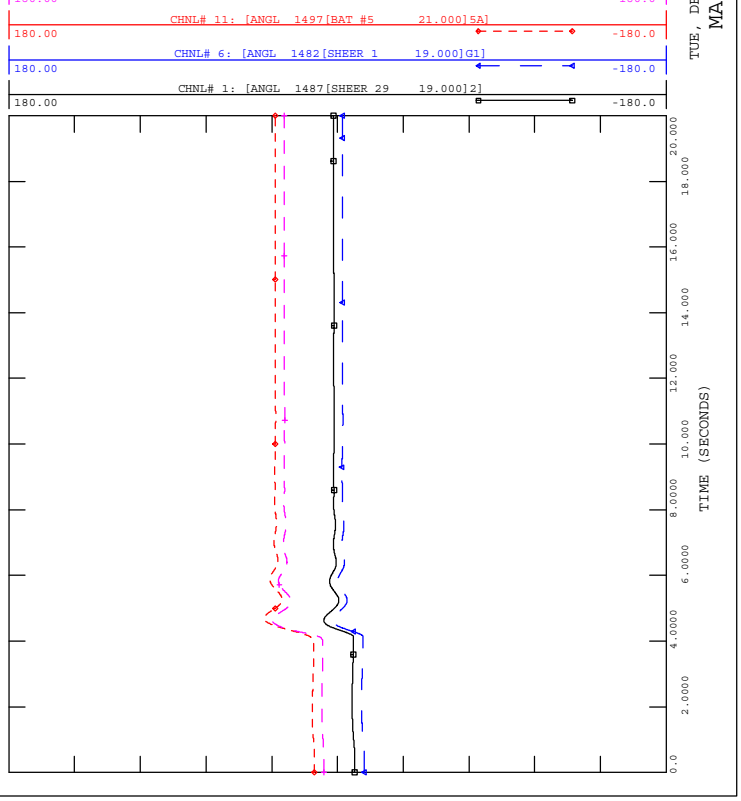


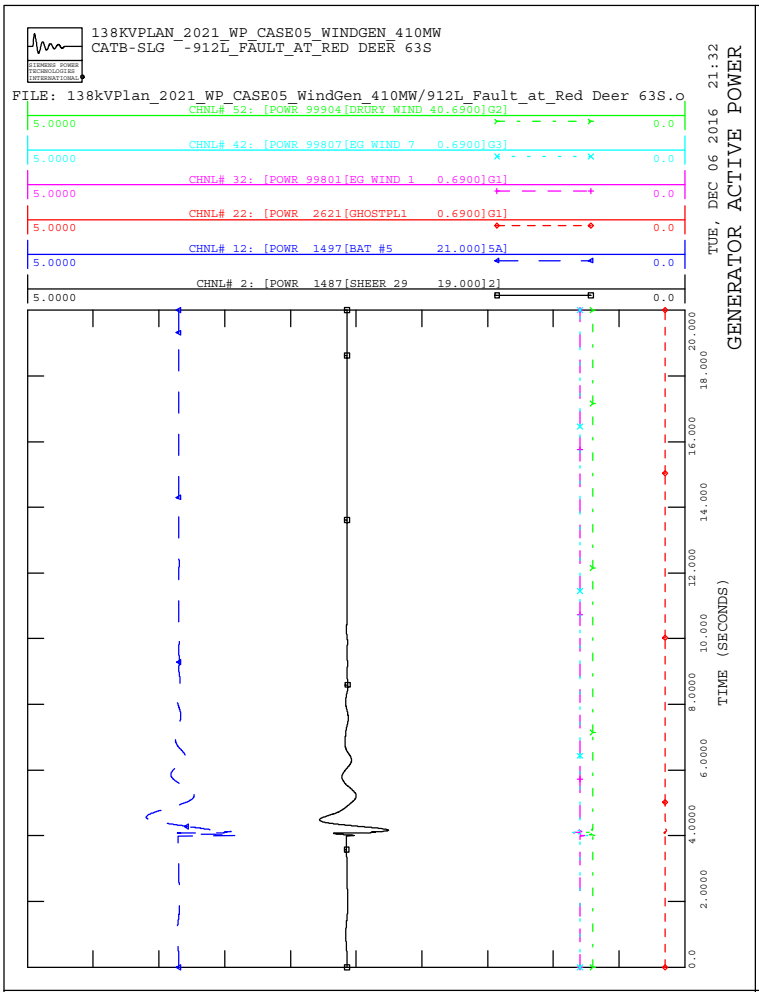
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 21:32

MACHINE ANGLE

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CATB-SLG -912L_FAULT_AT_RED DEER 63S
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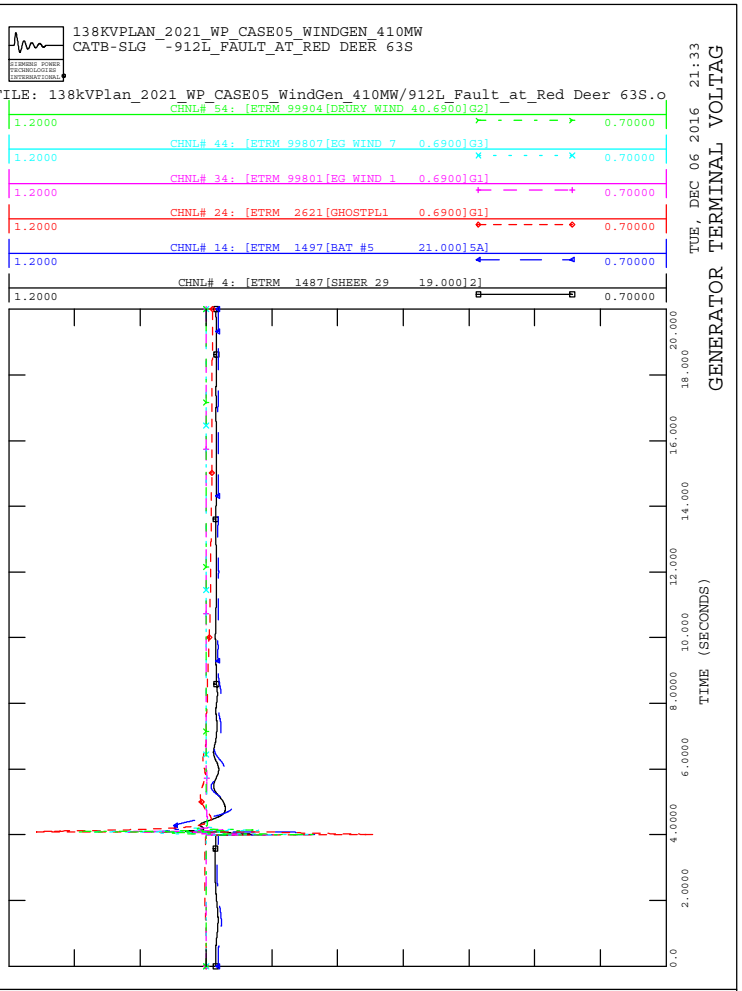
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:32
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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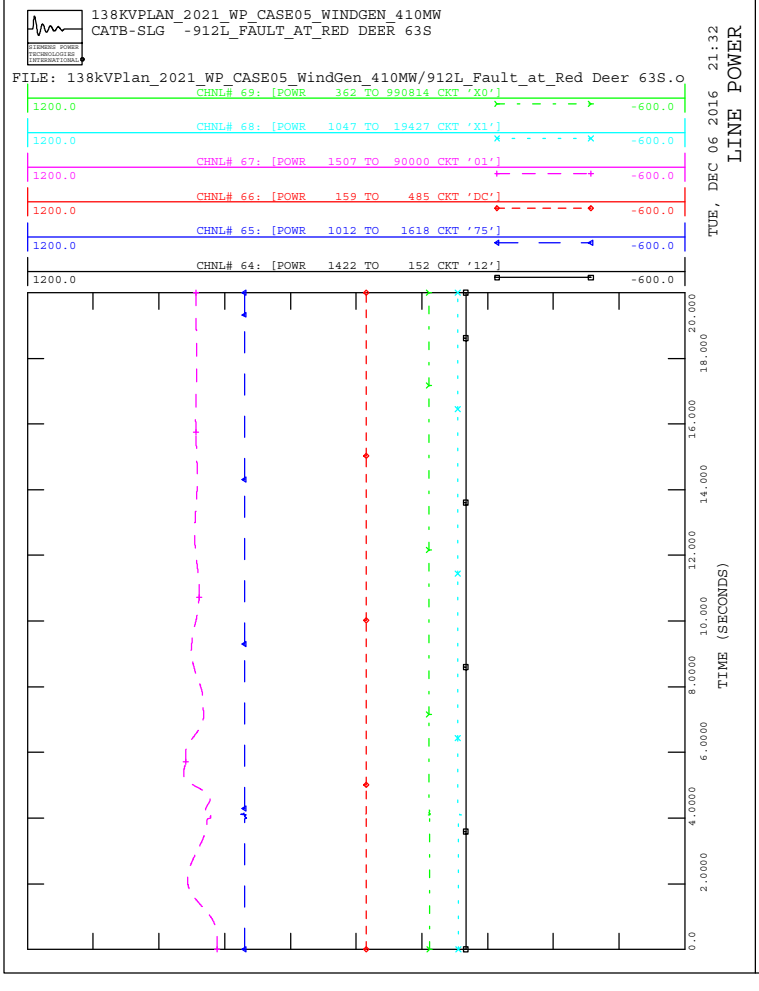
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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CATB-SLG -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:32
LINE POWER
TIME (SECONDS)
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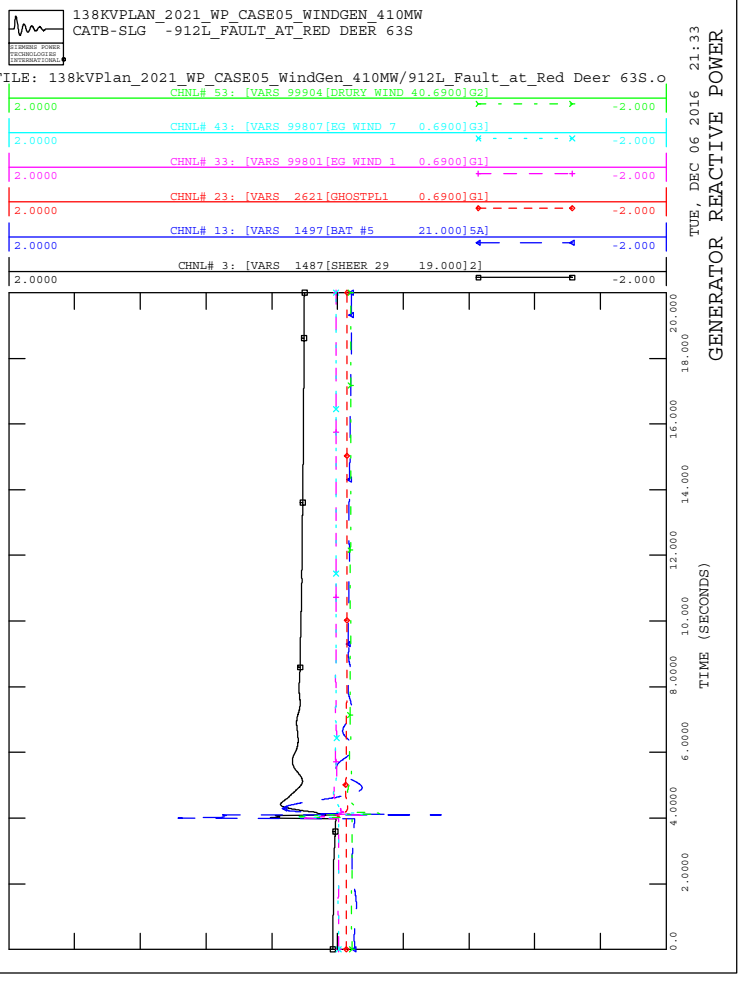
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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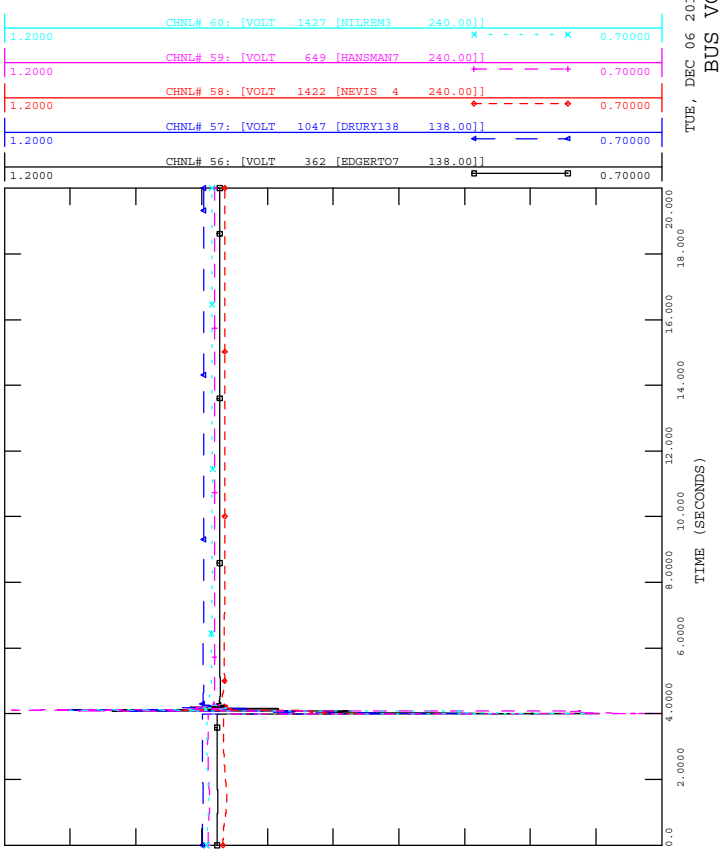
CATB-SLG -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L_Fault_at_Red Deer 63S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

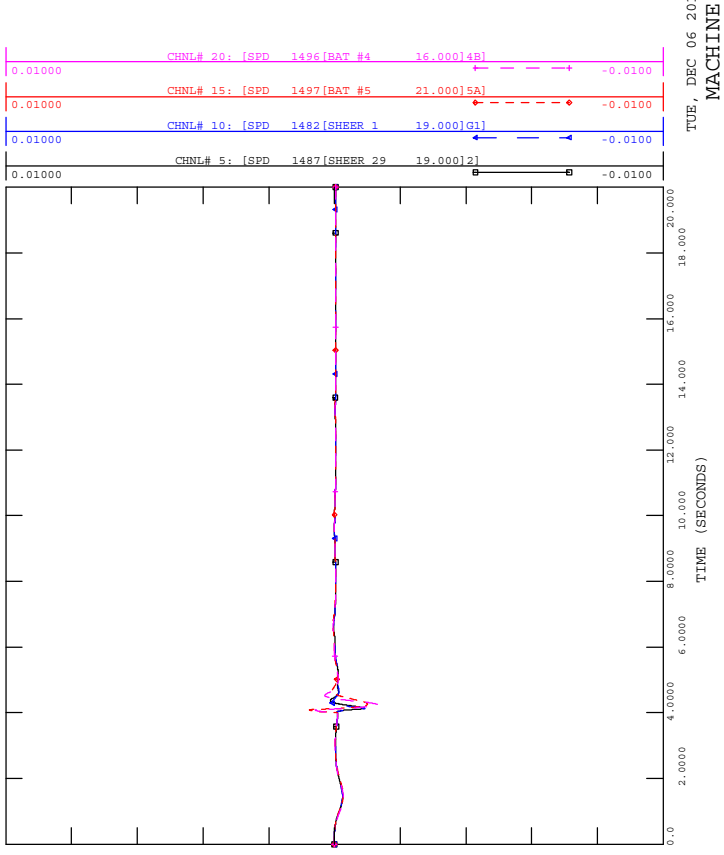
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:33
BUS VOLTAGE

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

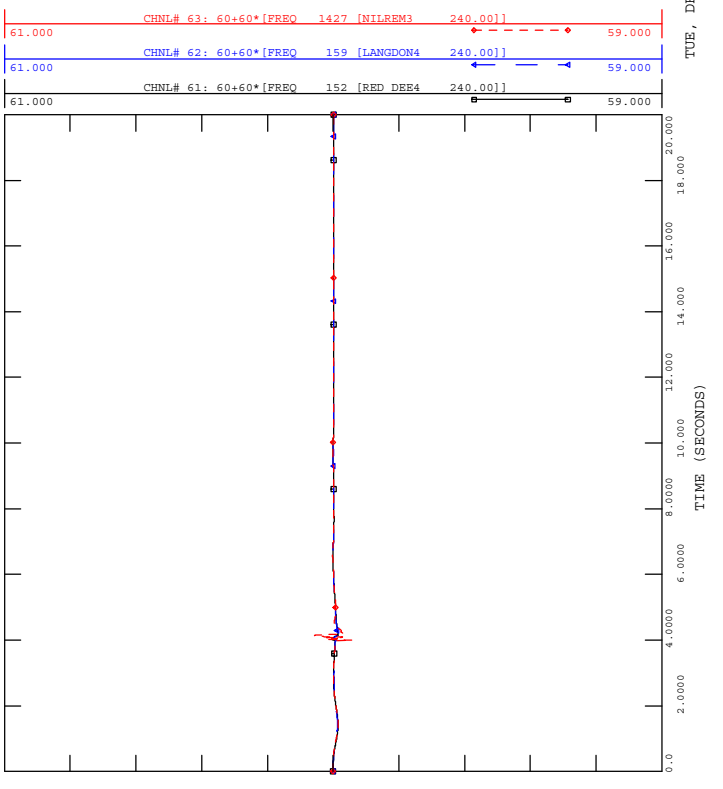
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake



TUE, DEC 06 2016 21:33
MACHINE SPEED

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake



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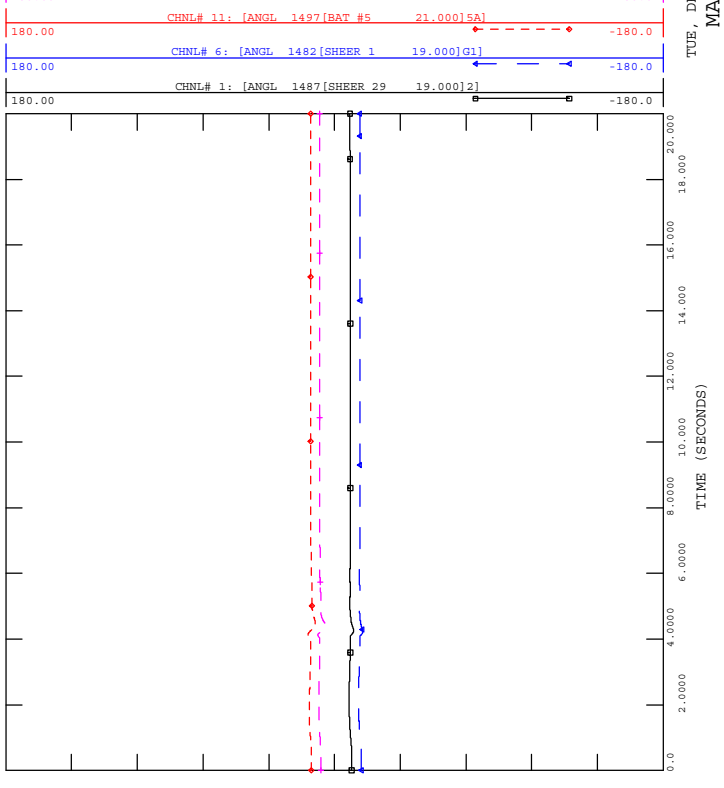
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake



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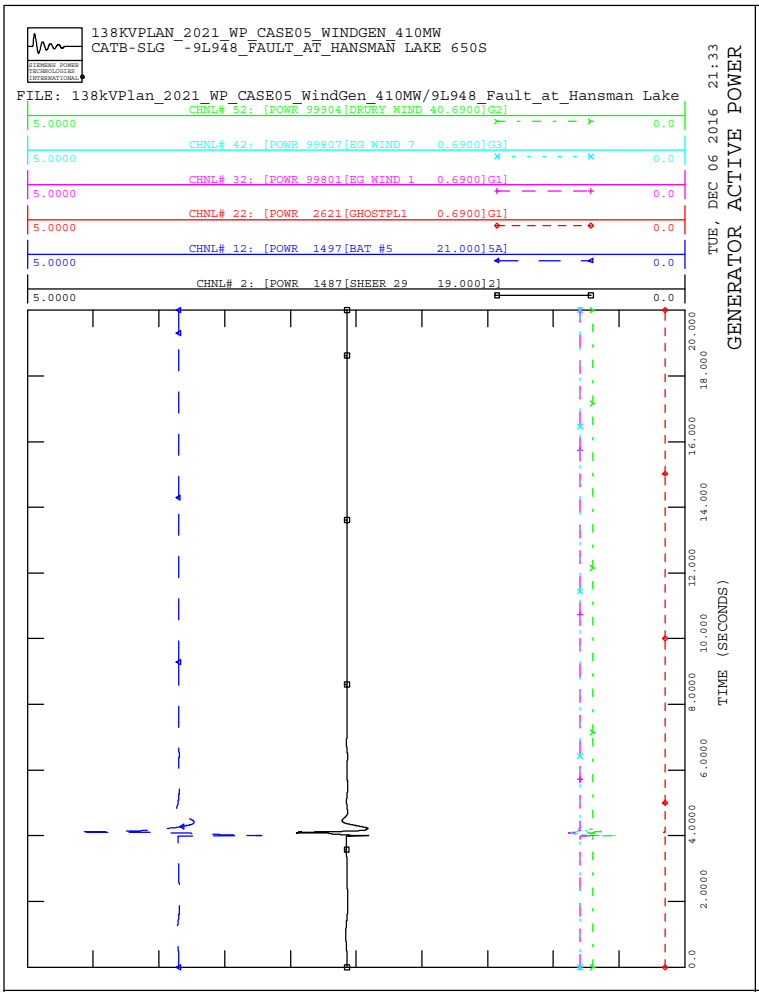
MACHINE ANGLE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CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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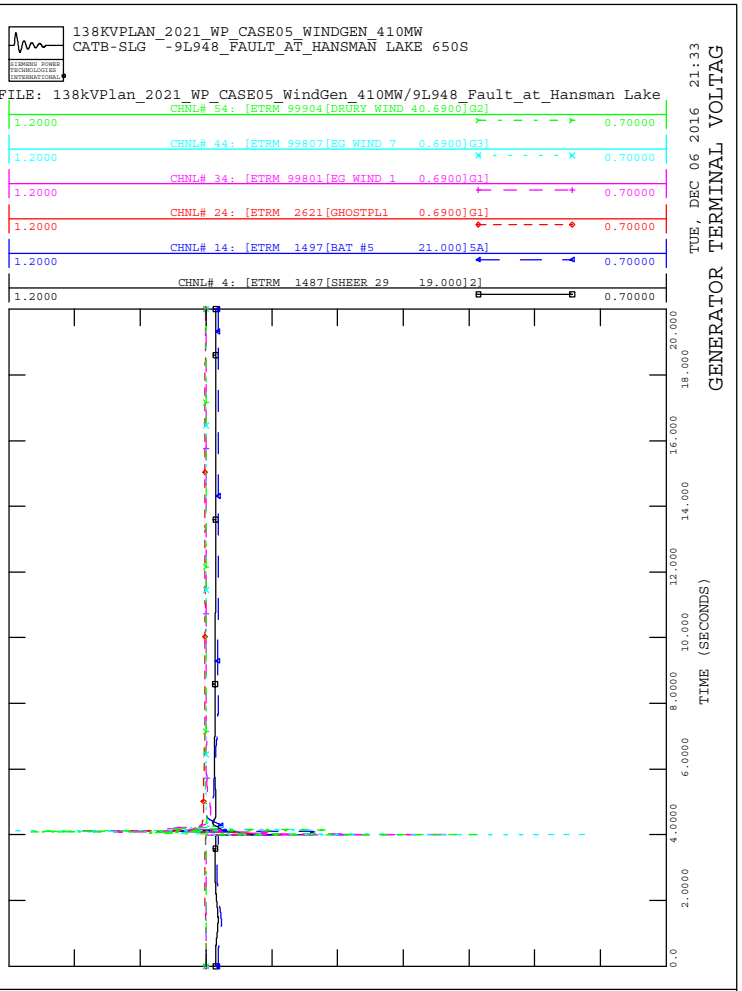
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
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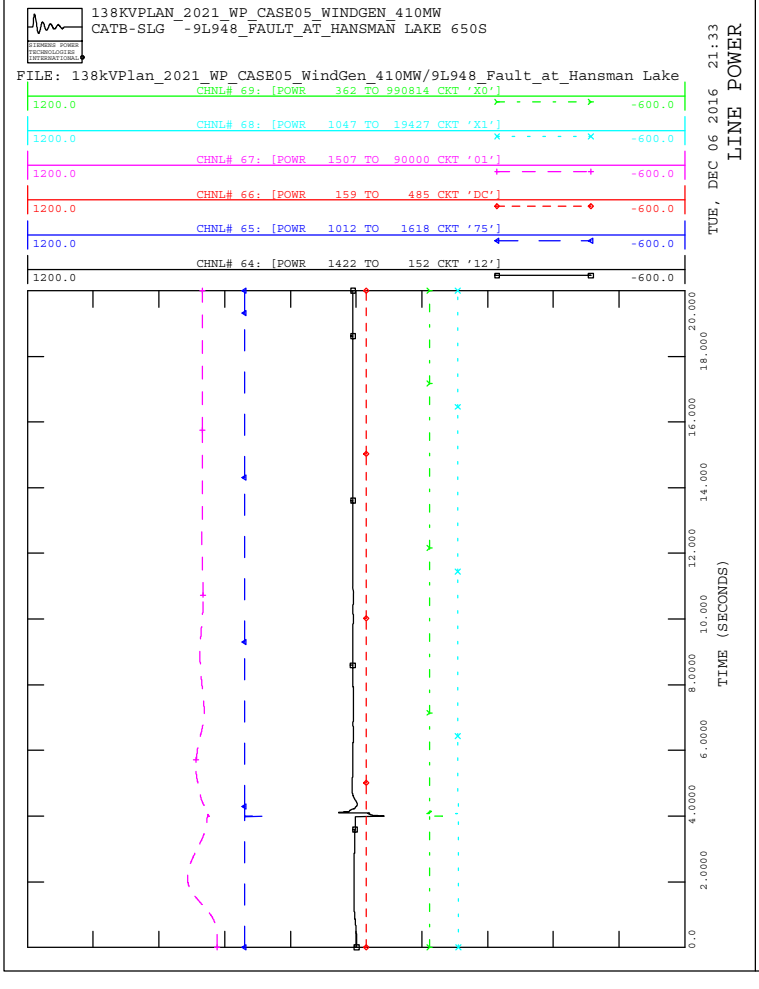
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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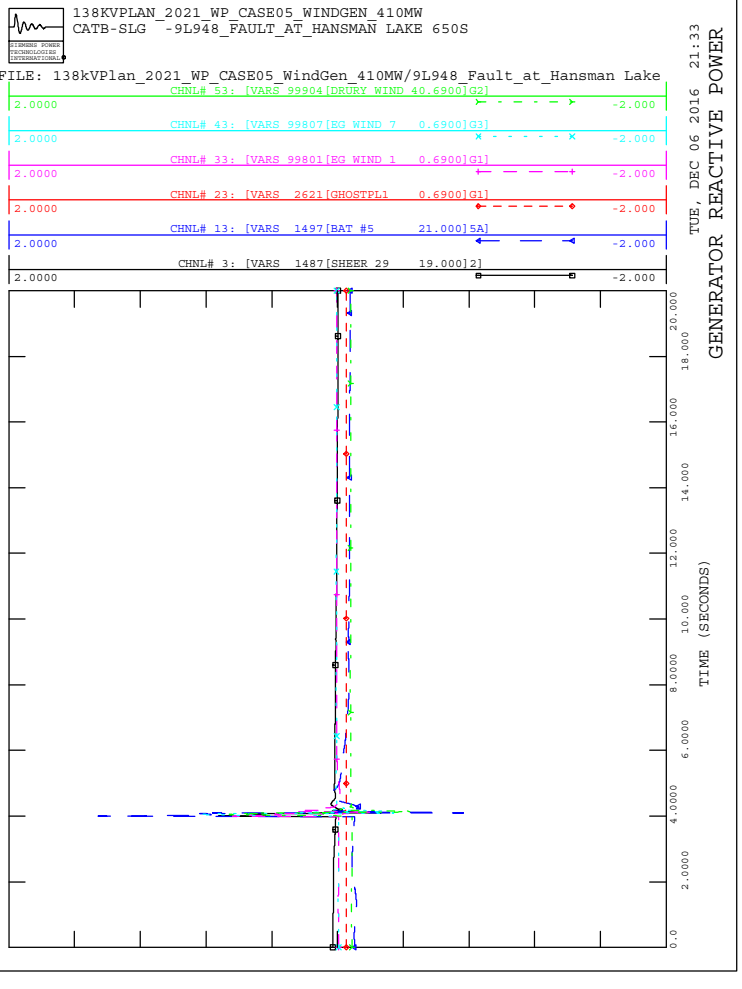
20.000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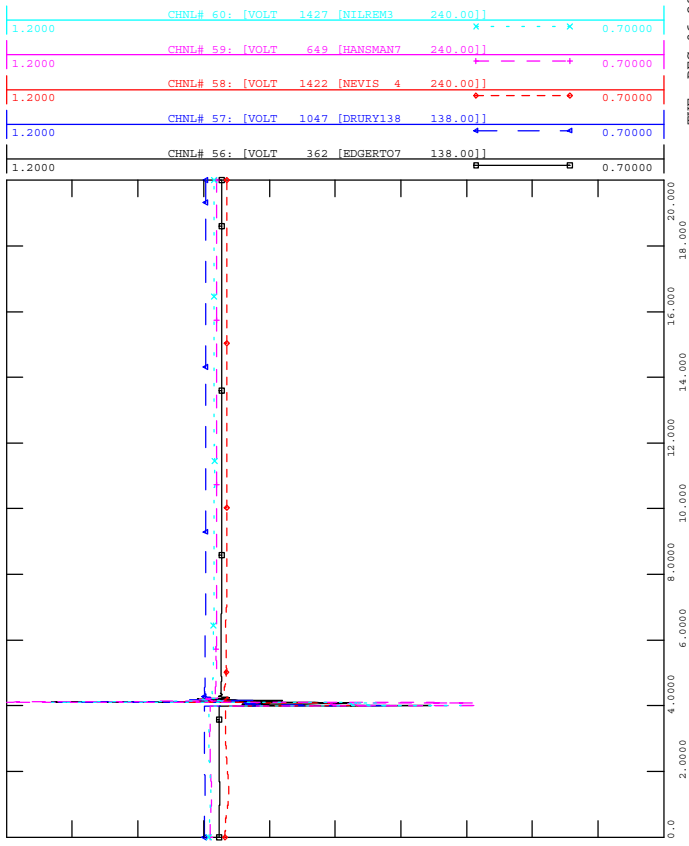
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:33

BUS VOLTAGE

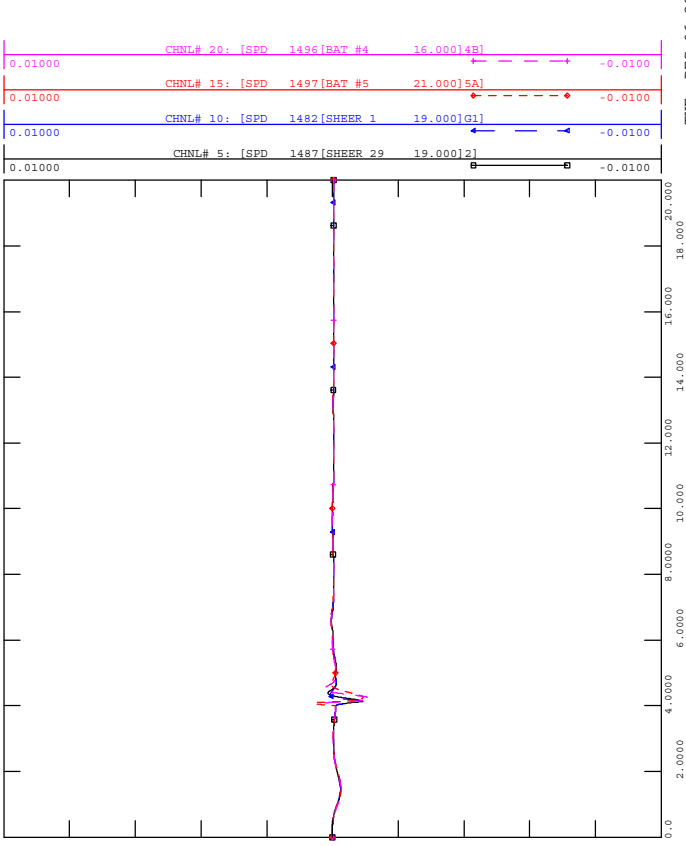


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:33

MACHINE SPEED

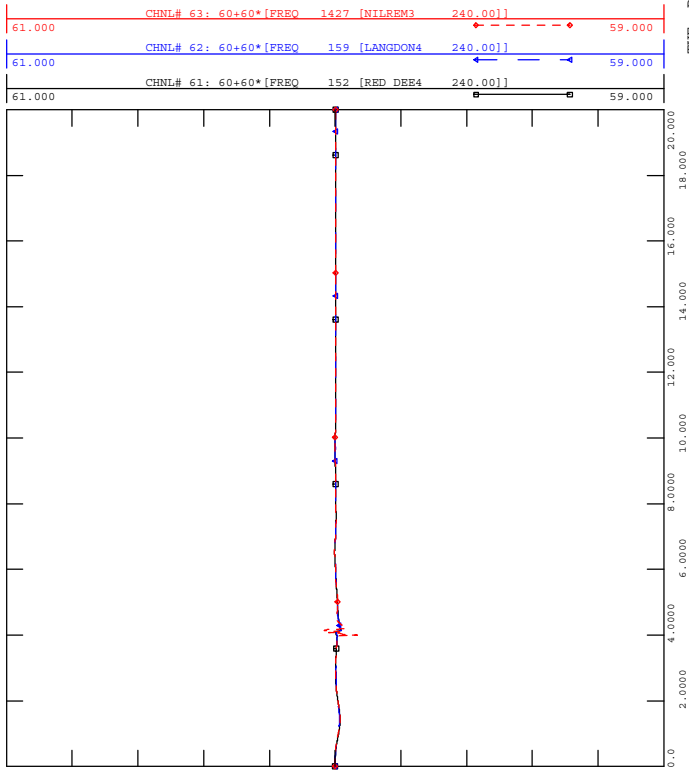


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:33

FREQUENCY

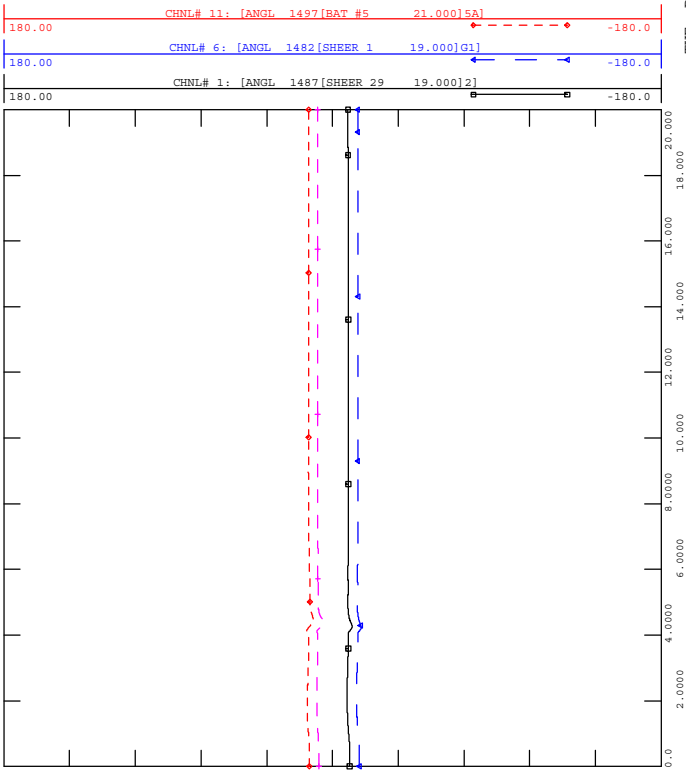


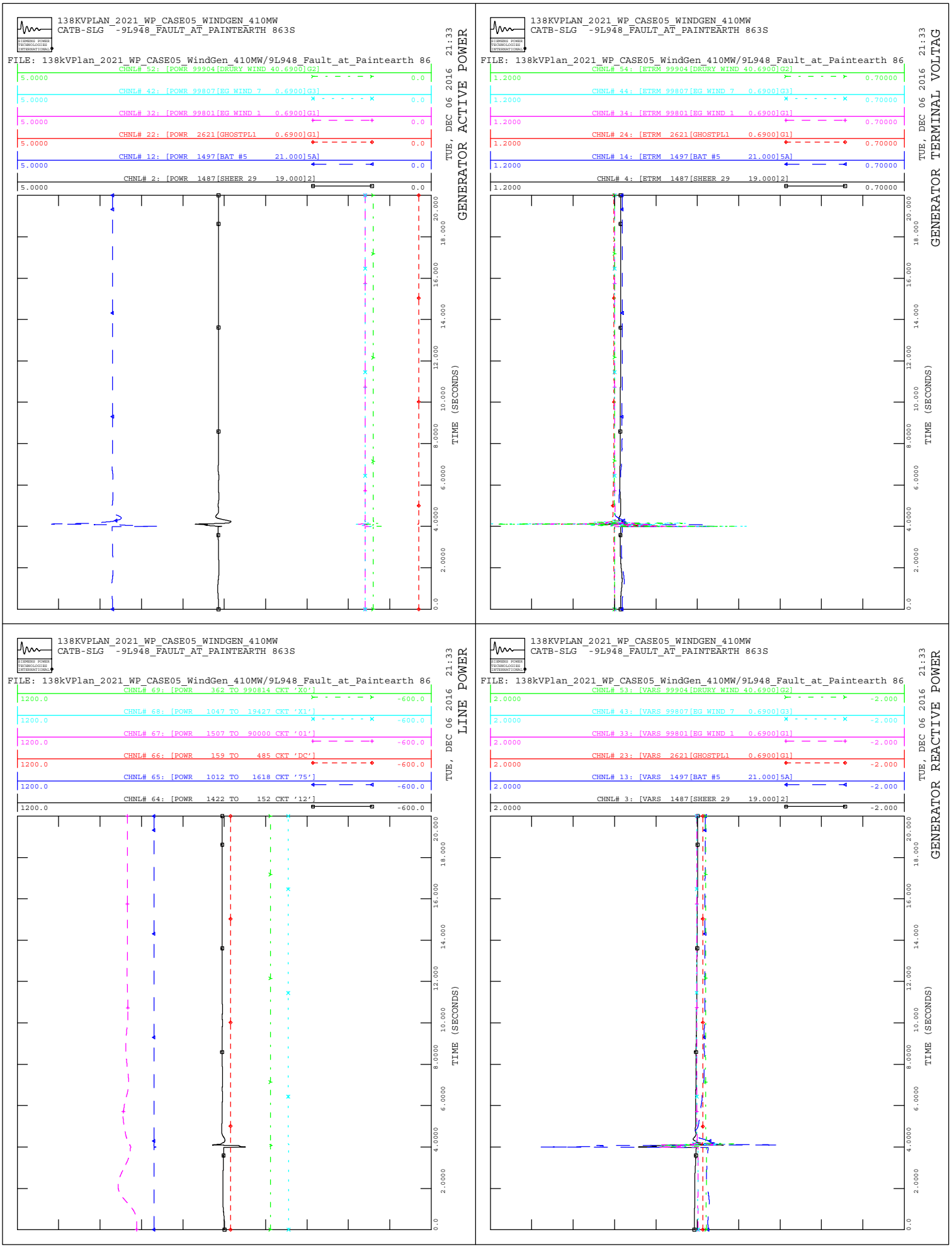
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86

TUE, DEC 06 2016 21:33

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L948_Fault_at_Paintearth 86
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:33

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:33

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:33

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o

TUE, DEC 06 2016 21:33

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
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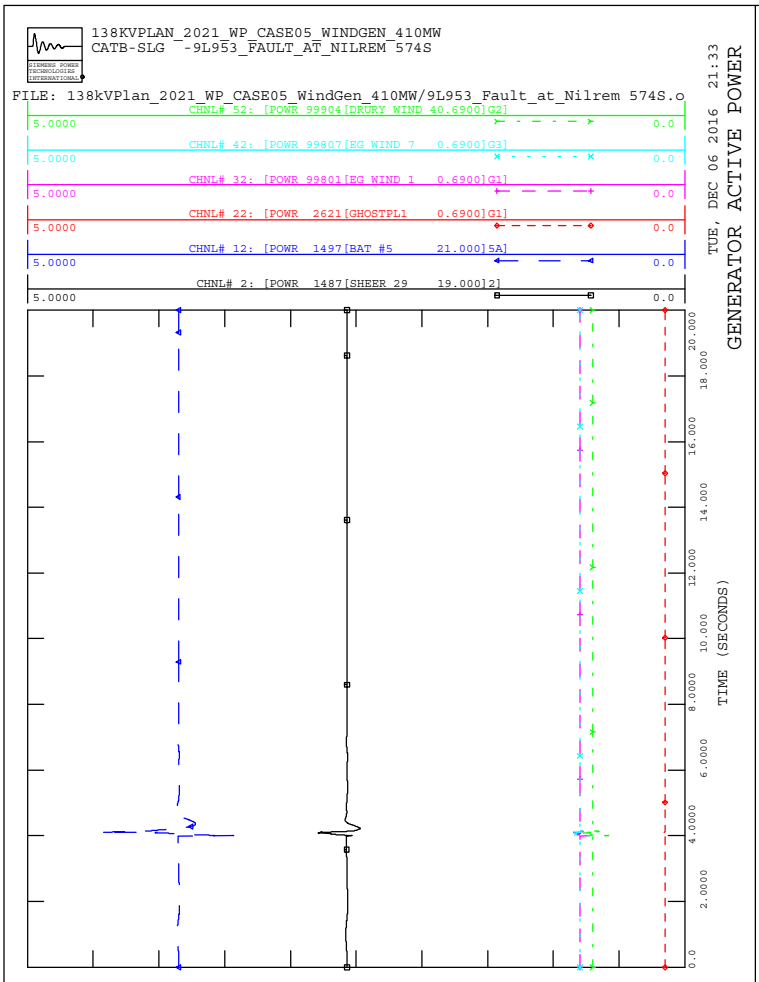
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
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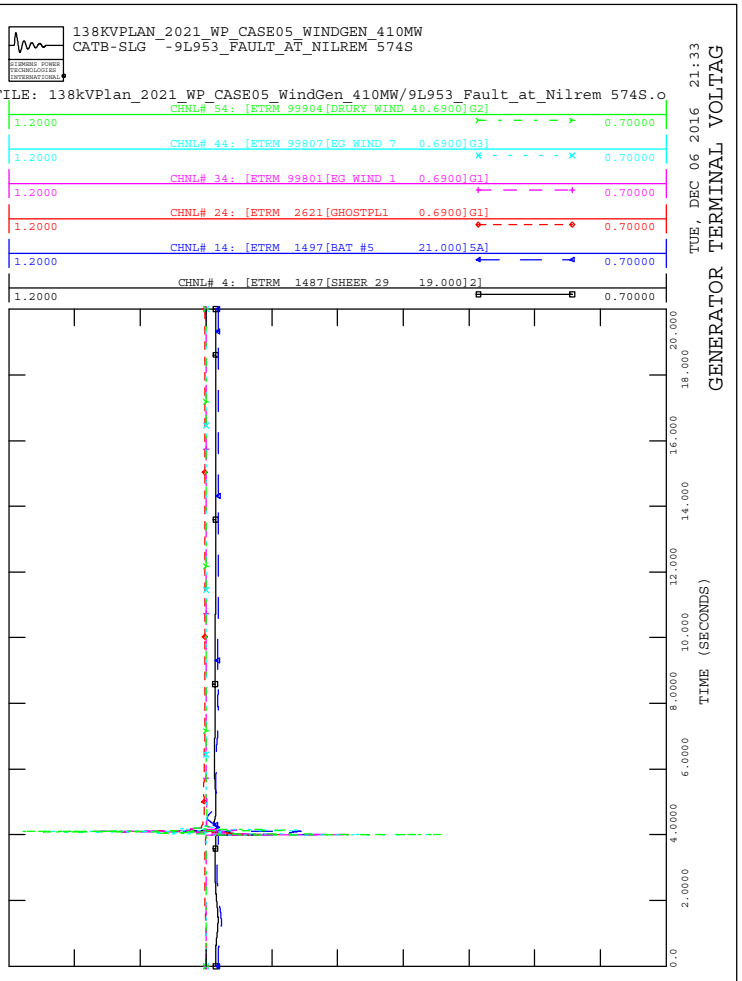
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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CATB-SLG -9L953_FAULT_AT_NILREM 574S
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
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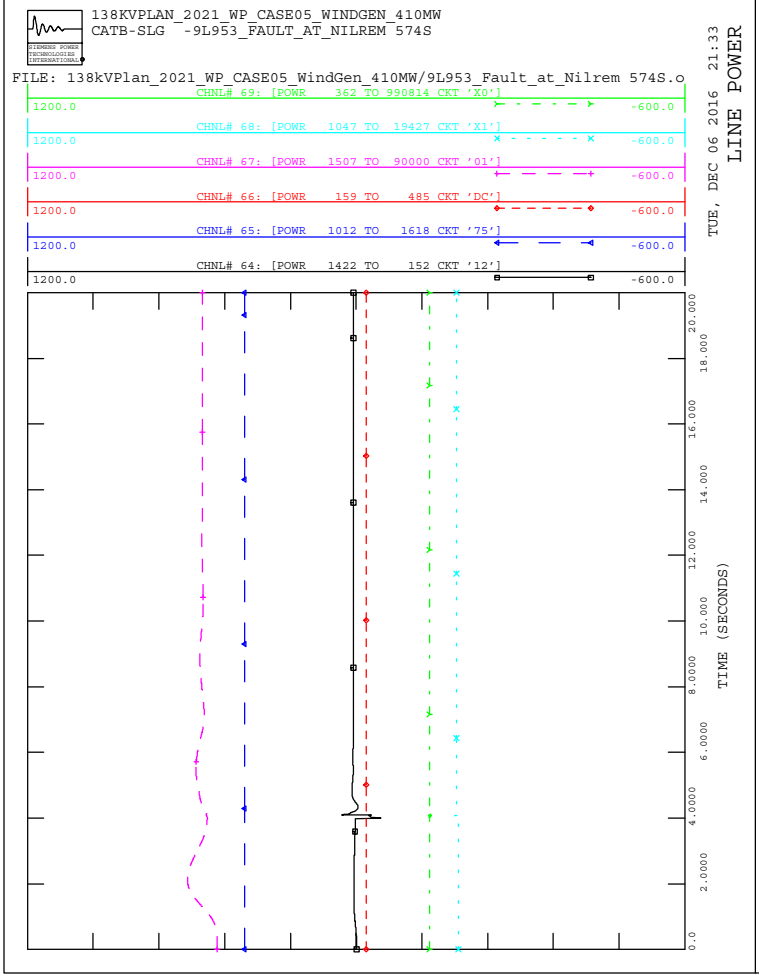
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
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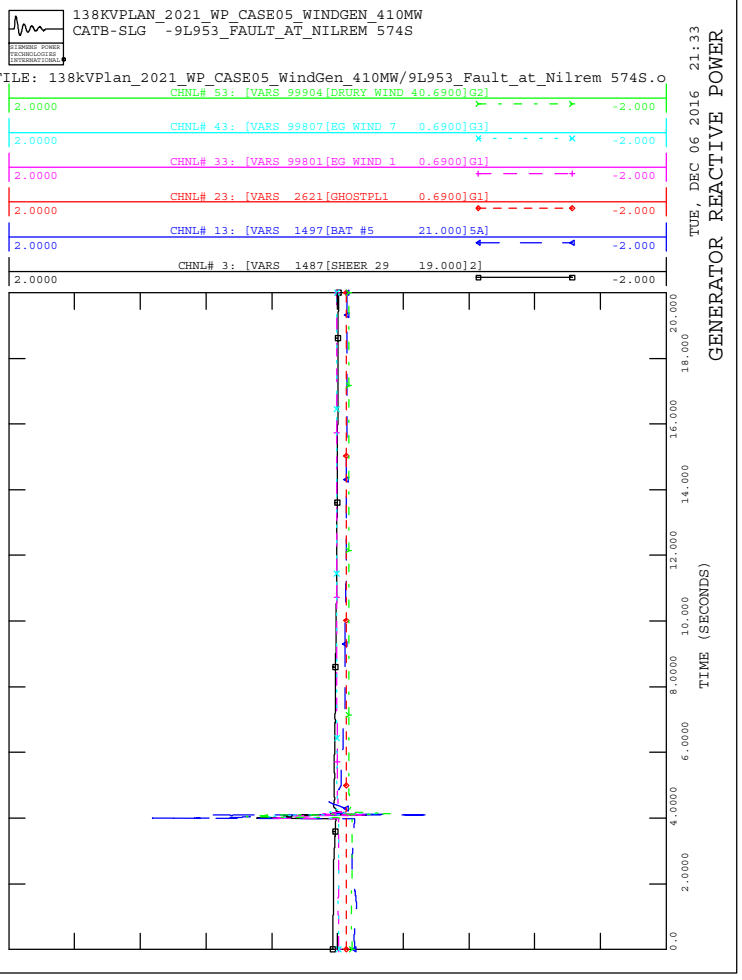
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
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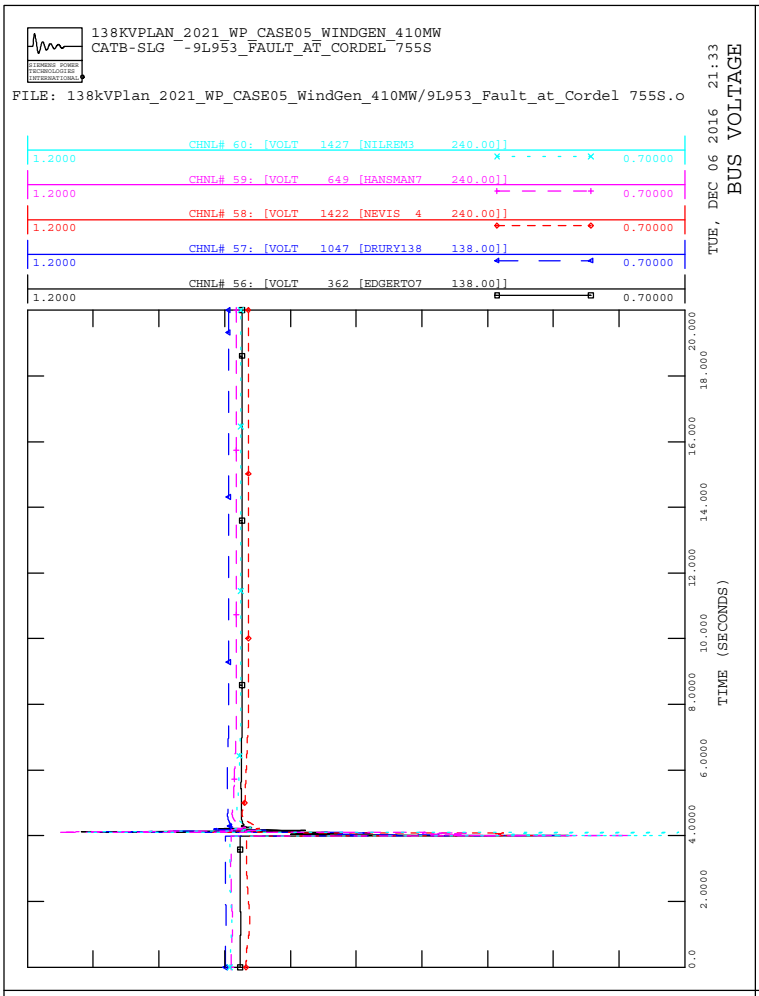
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
TUE, DEC 06 2016 21:33
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
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16.000
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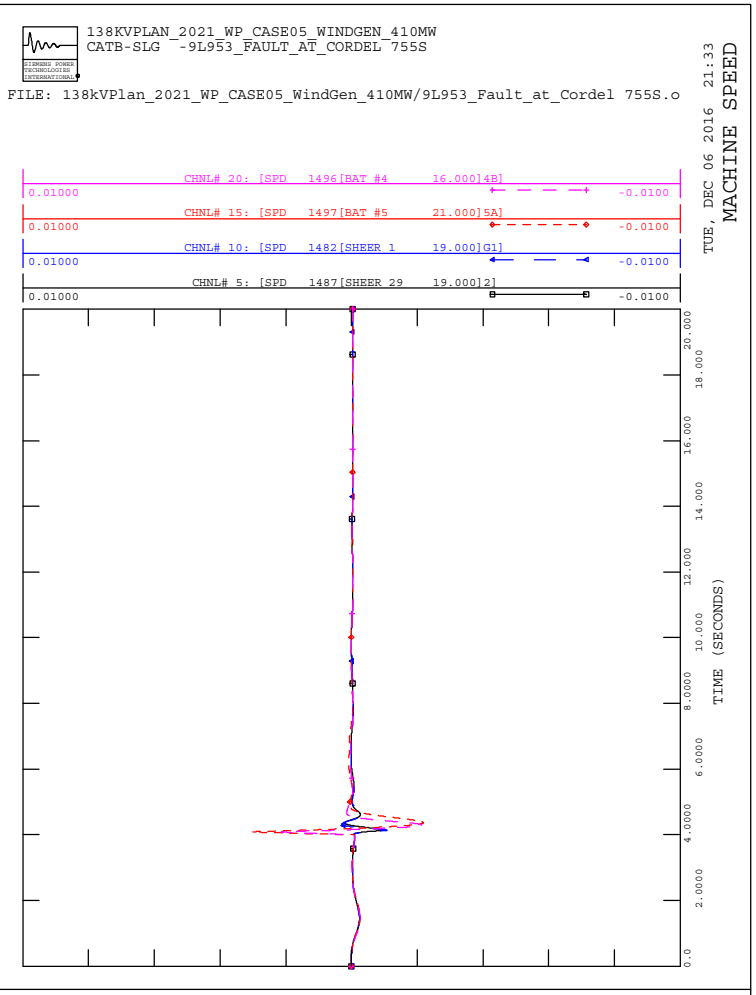
20.000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CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
TUE, DEC 06 2016 21:33
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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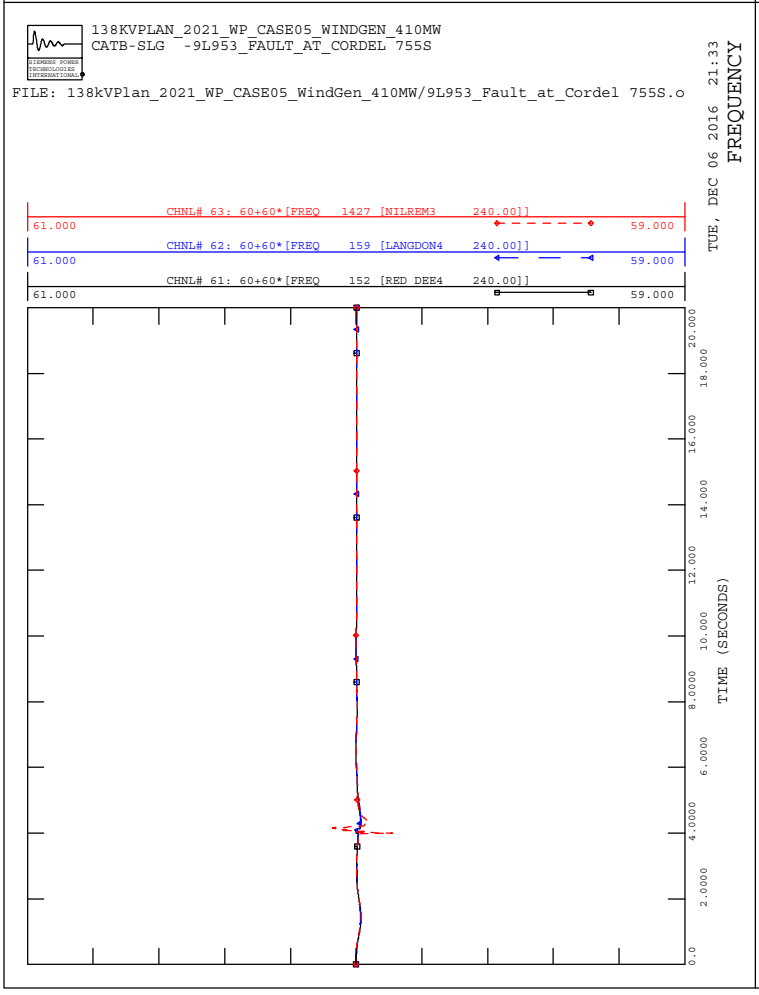
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
TUE, DEC 06 2016 21:33
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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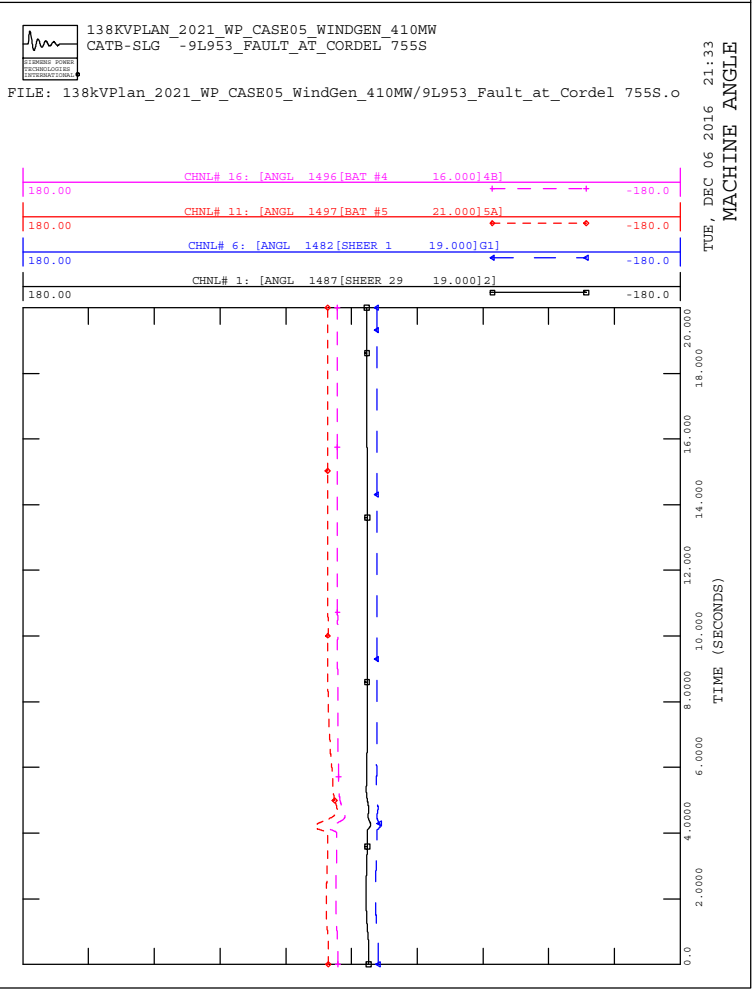
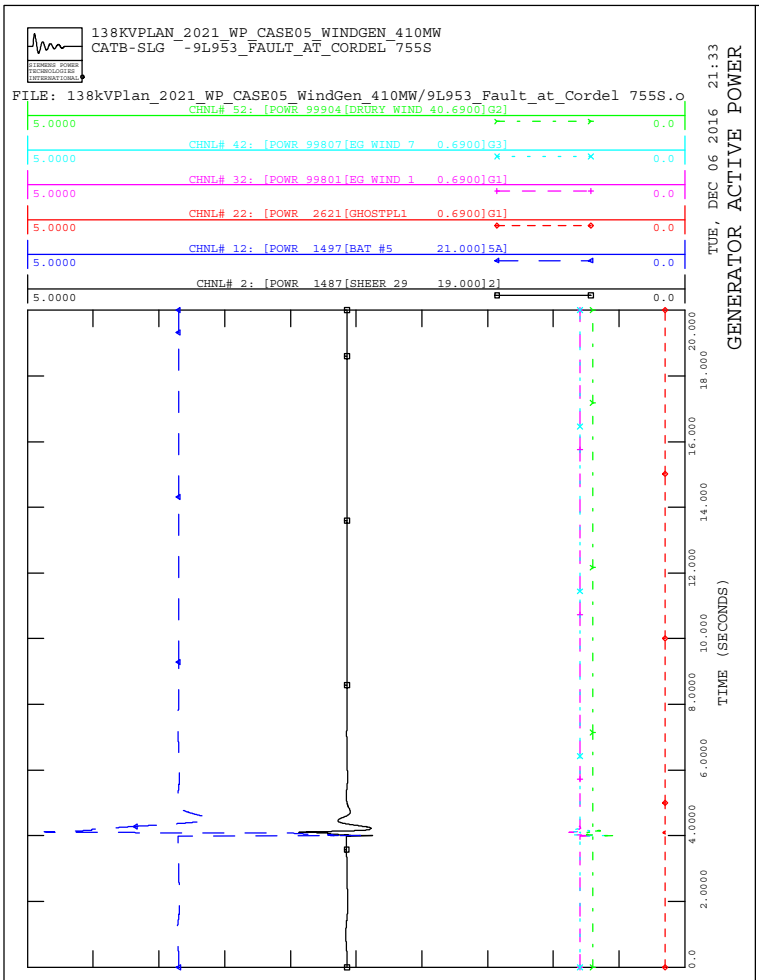
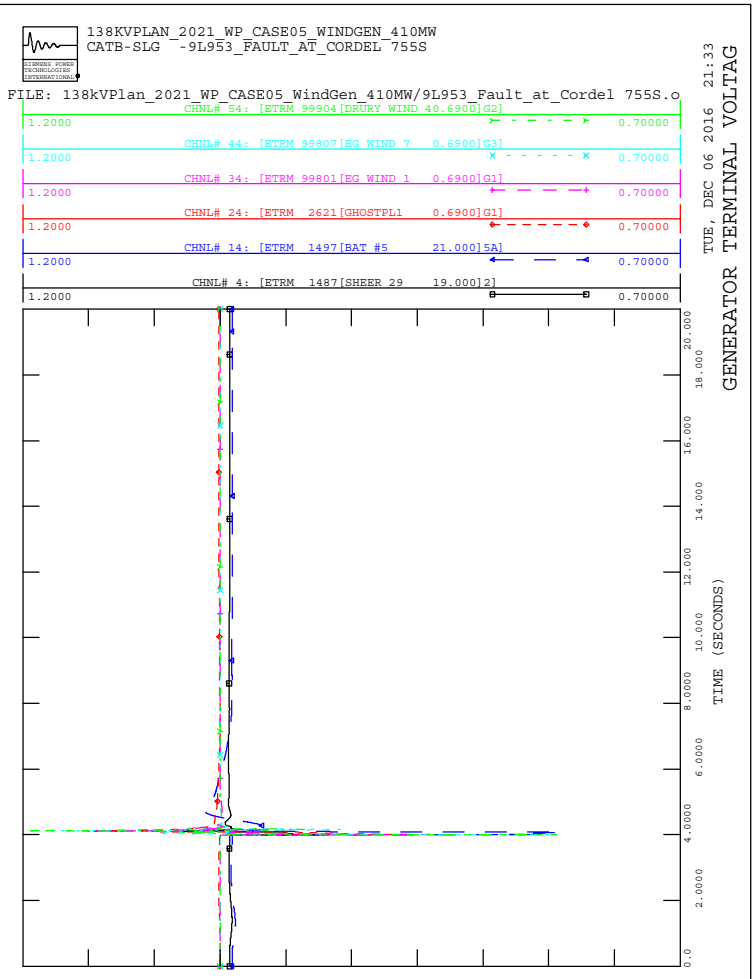
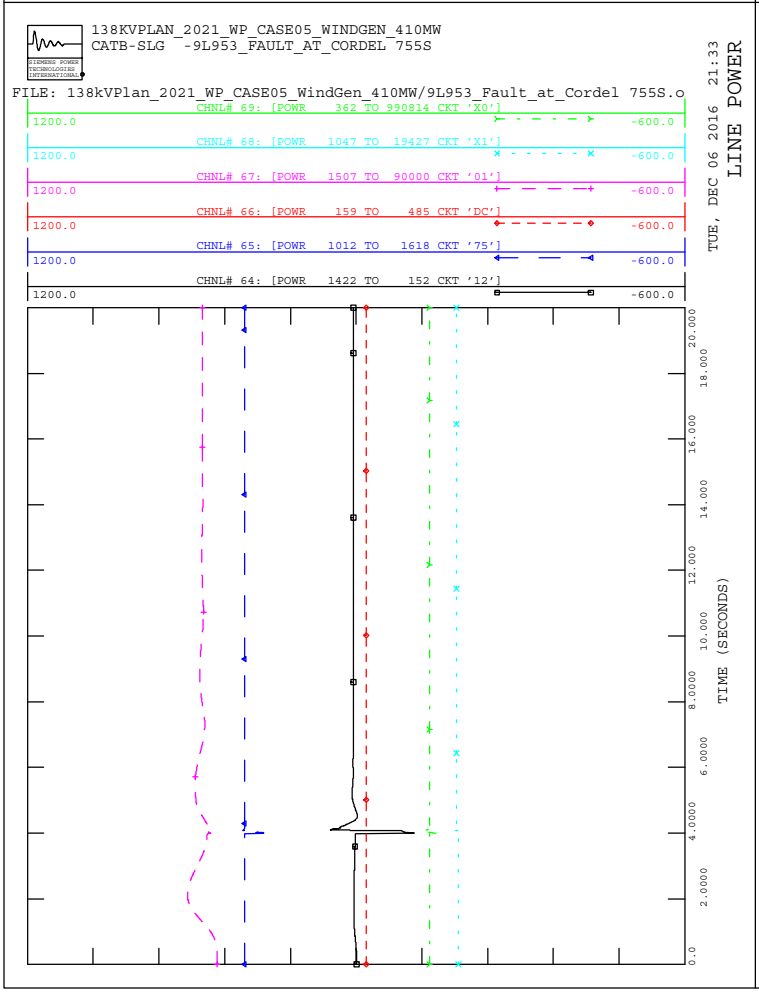
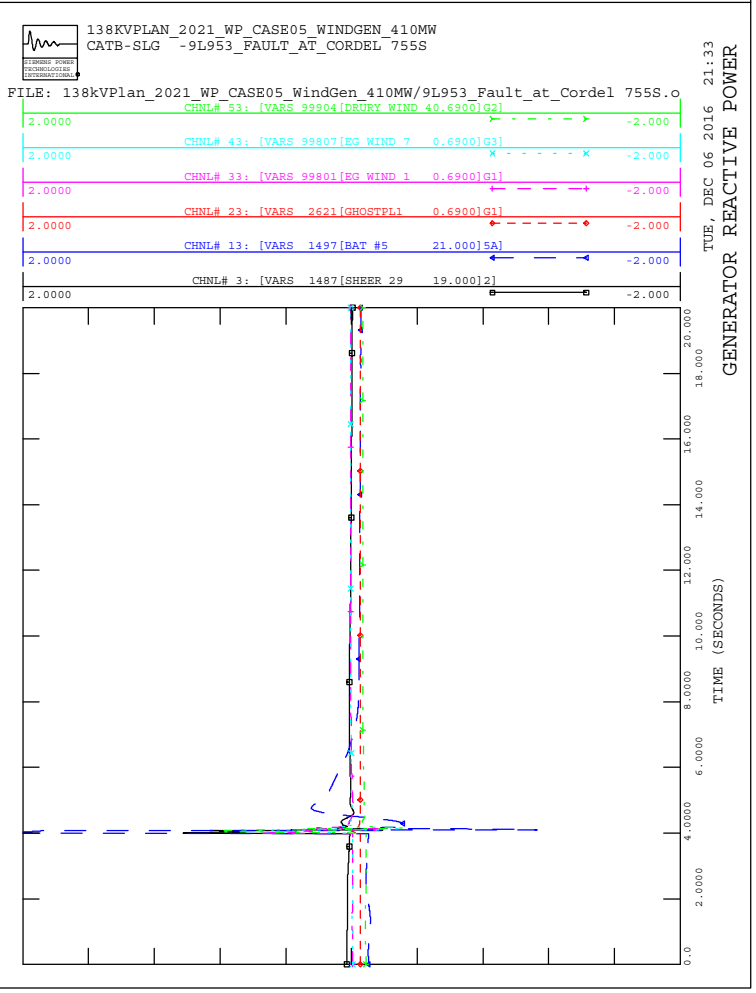
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

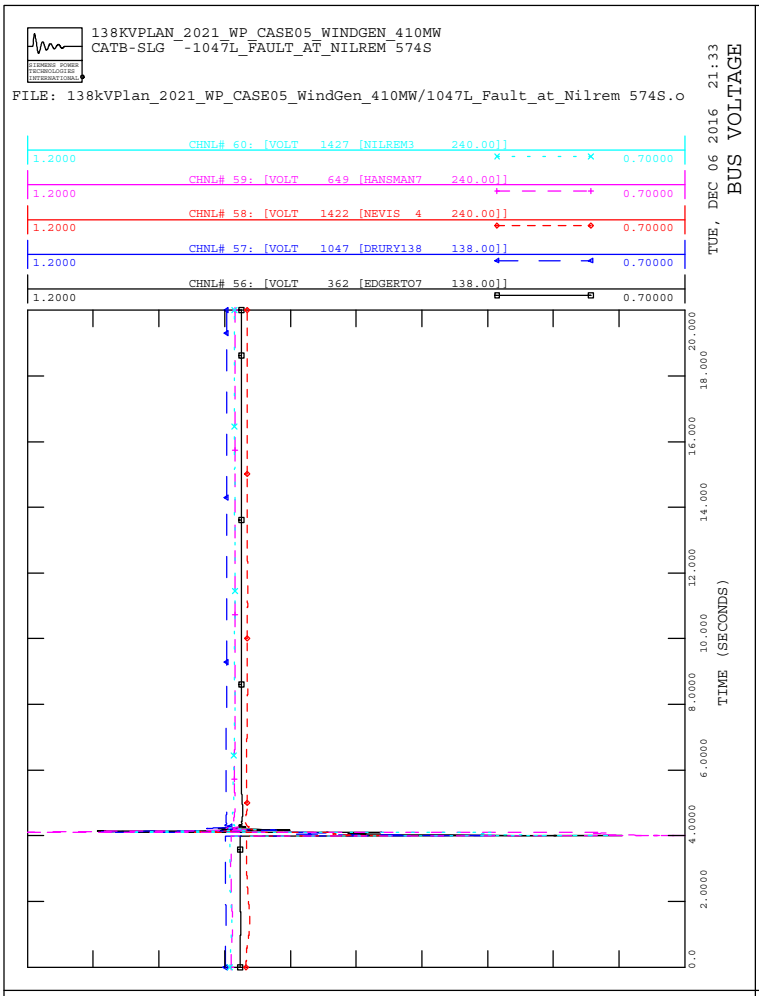

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
TUE, DEC 06 2016 21:33
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_Fault_at_Cordel 755S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
TUE, DEC 06 2016 21:33
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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8.0000
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12.000
14.000
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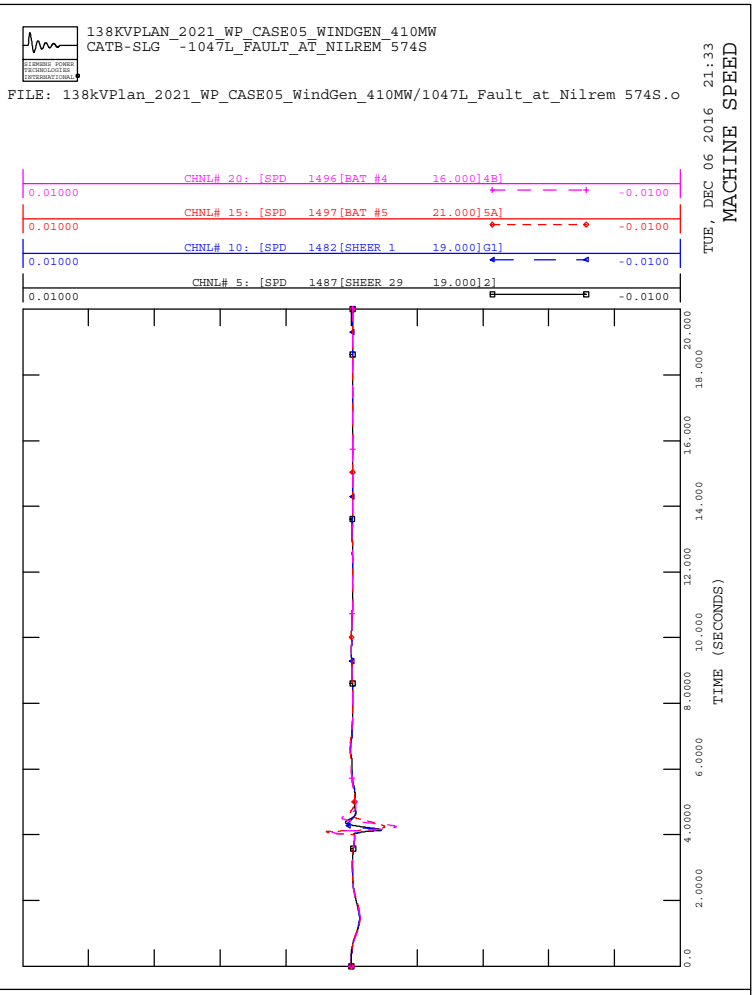
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
TUE, DEC 06 2016 21:33
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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4.0000
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8.0000
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12.000
14.000
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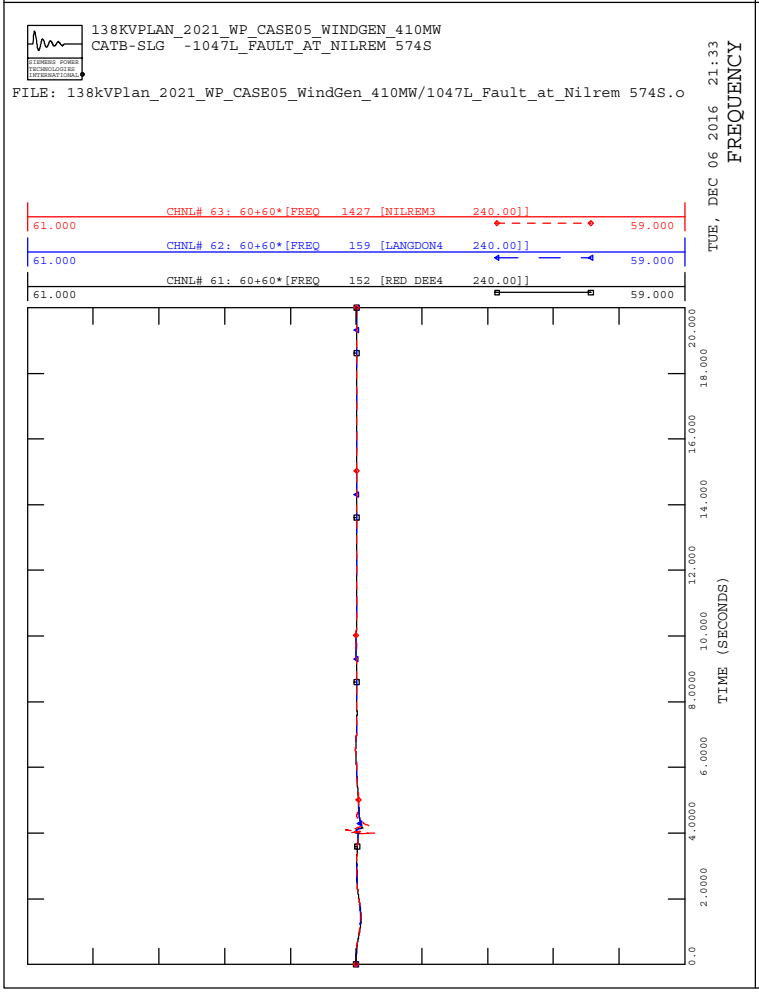
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
TUE, DEC 06 2016 21:33
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
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12.000
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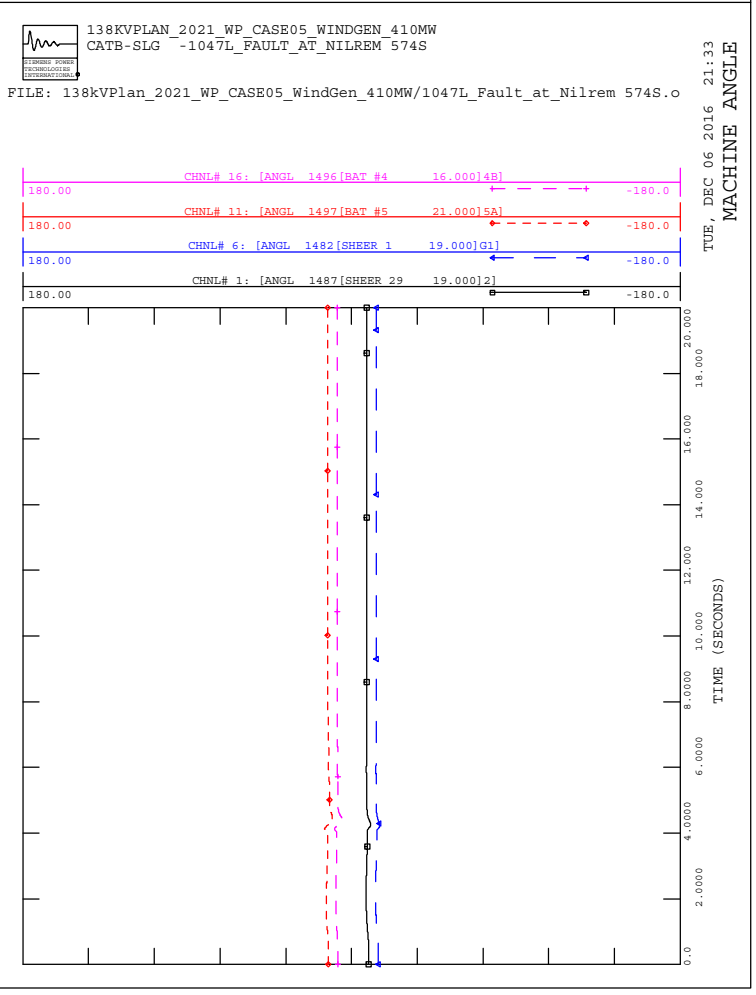
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
TUE, DEC 06 2016 21:33
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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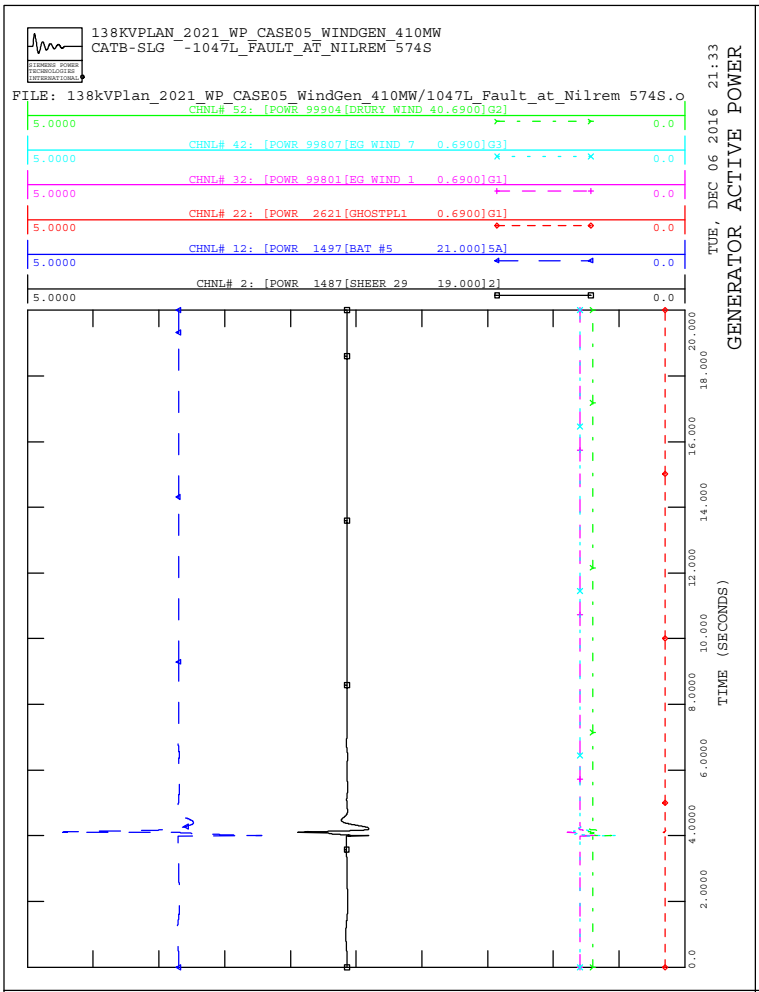
20.000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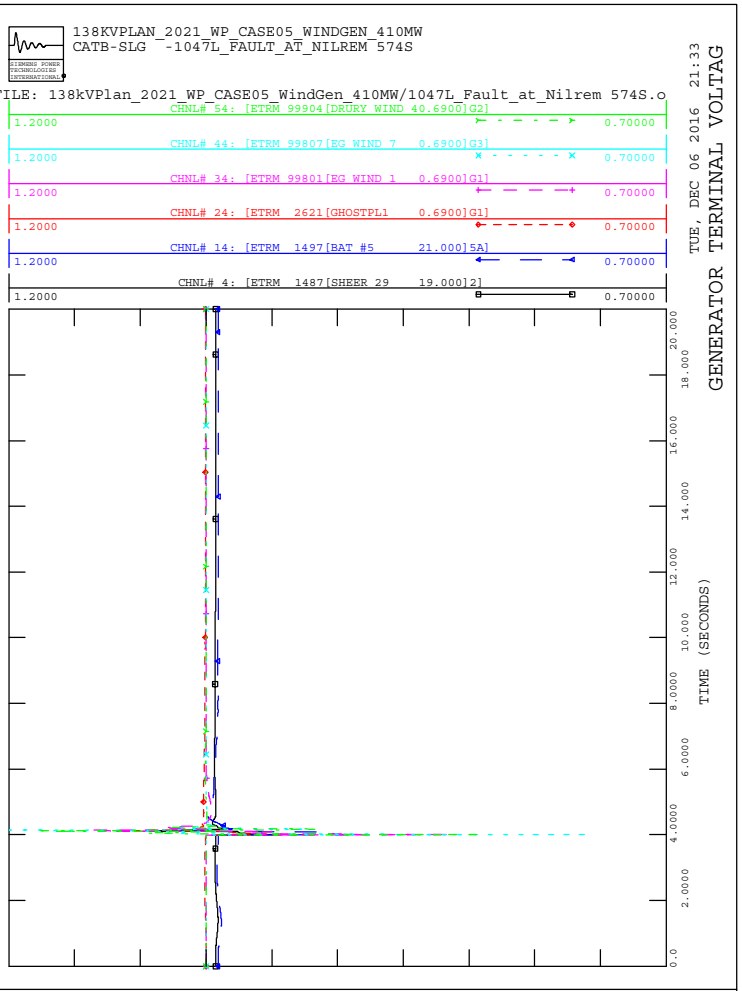
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)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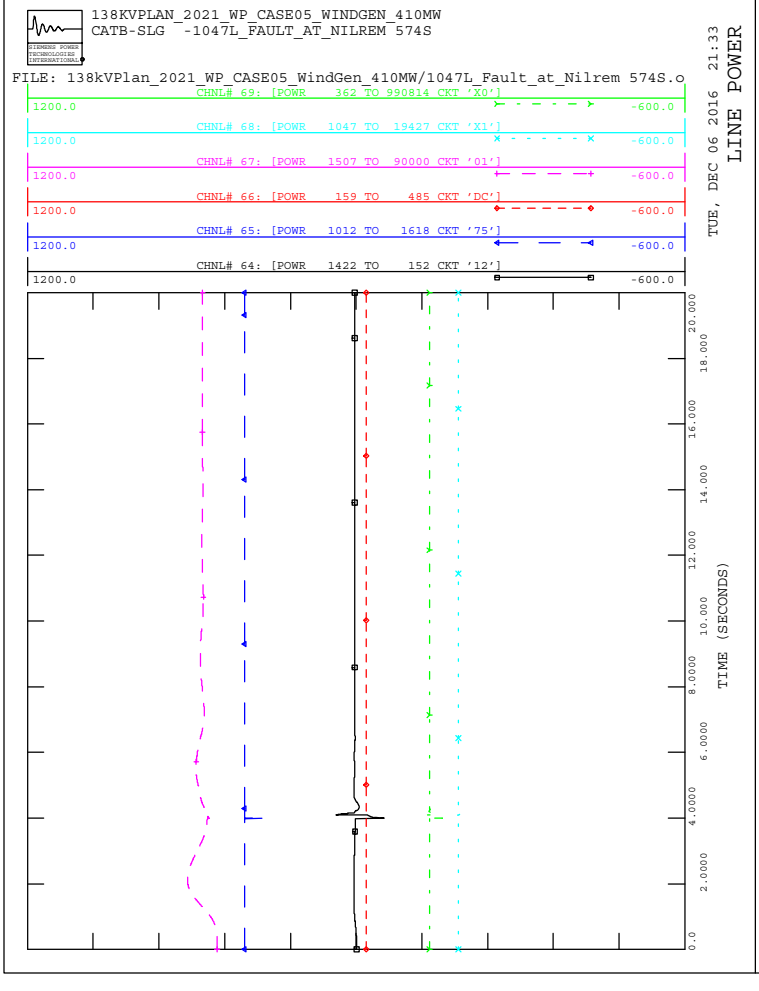
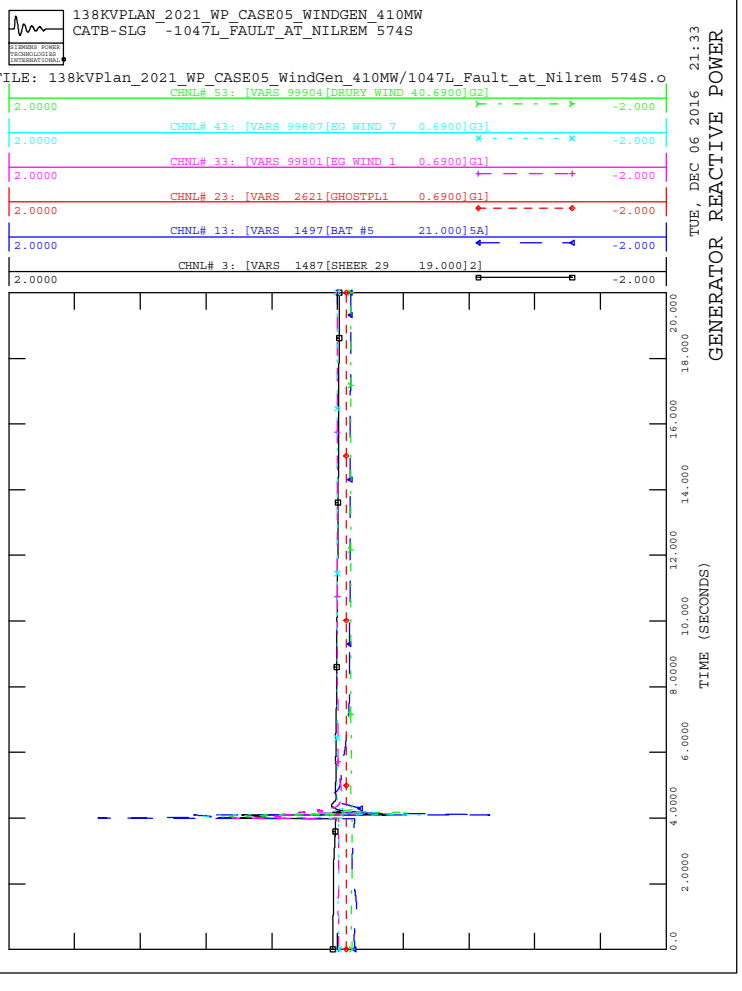
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)

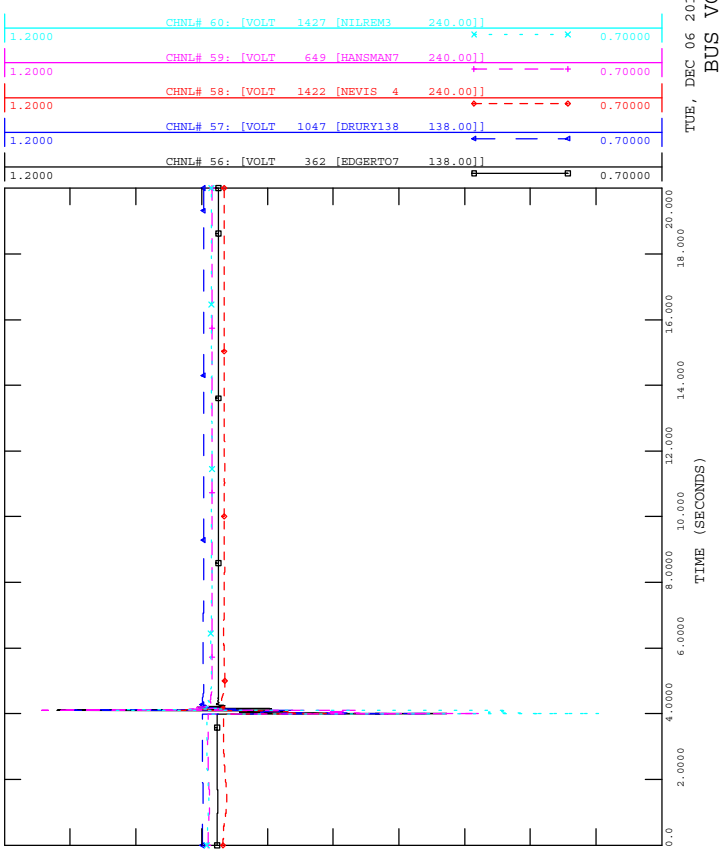

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake

TUE, DEC 06 2016 21:33

BUS VOLTAGE

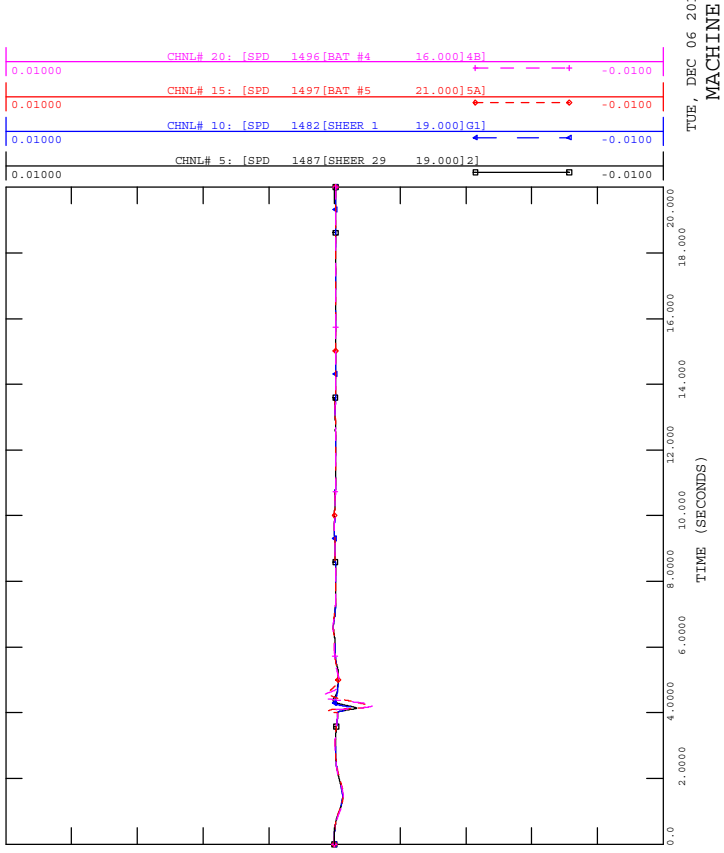


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake

TUE, DEC 06 2016 21:33

MACHINE SPEED

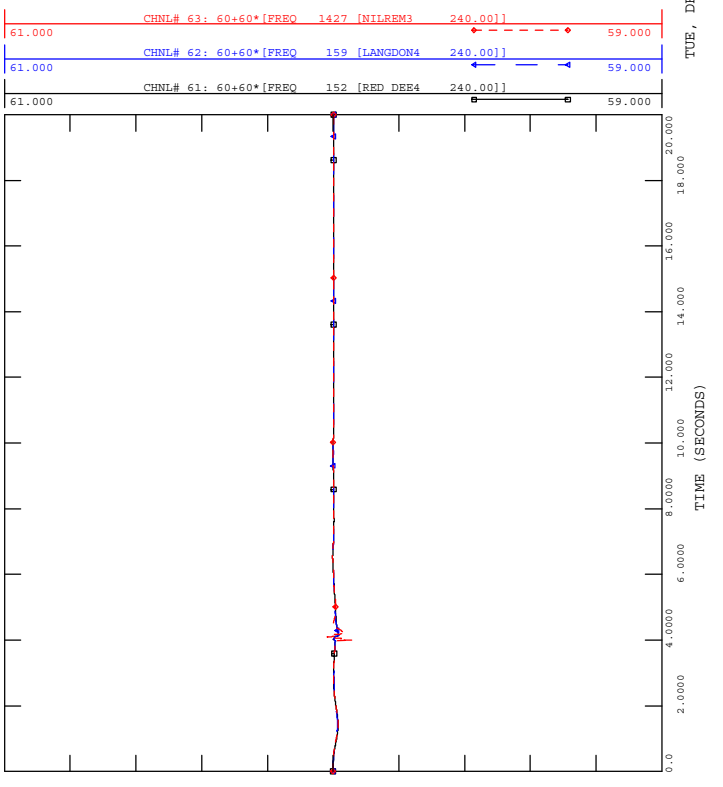


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake

TUE, DEC 06 2016 21:33

FREQUENCY

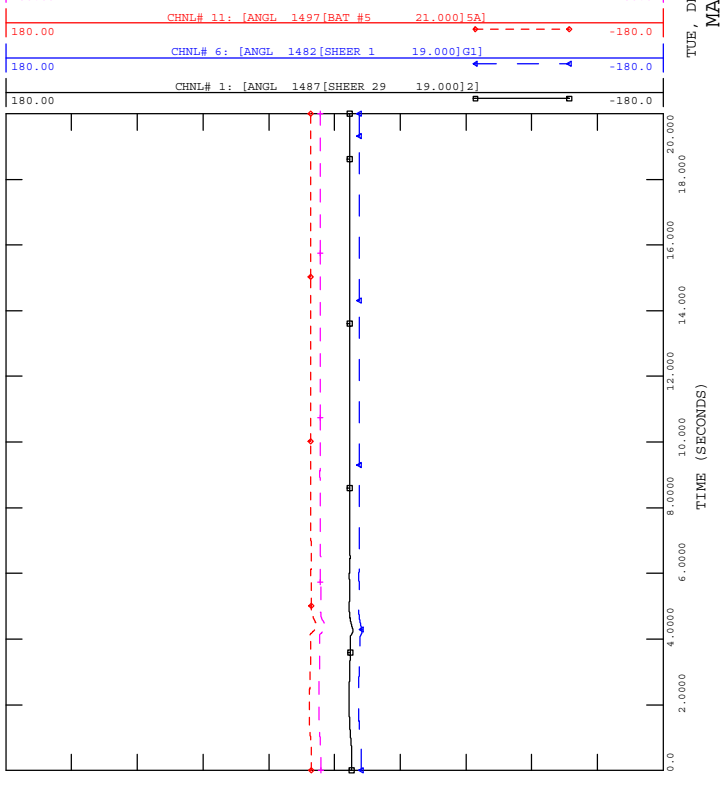


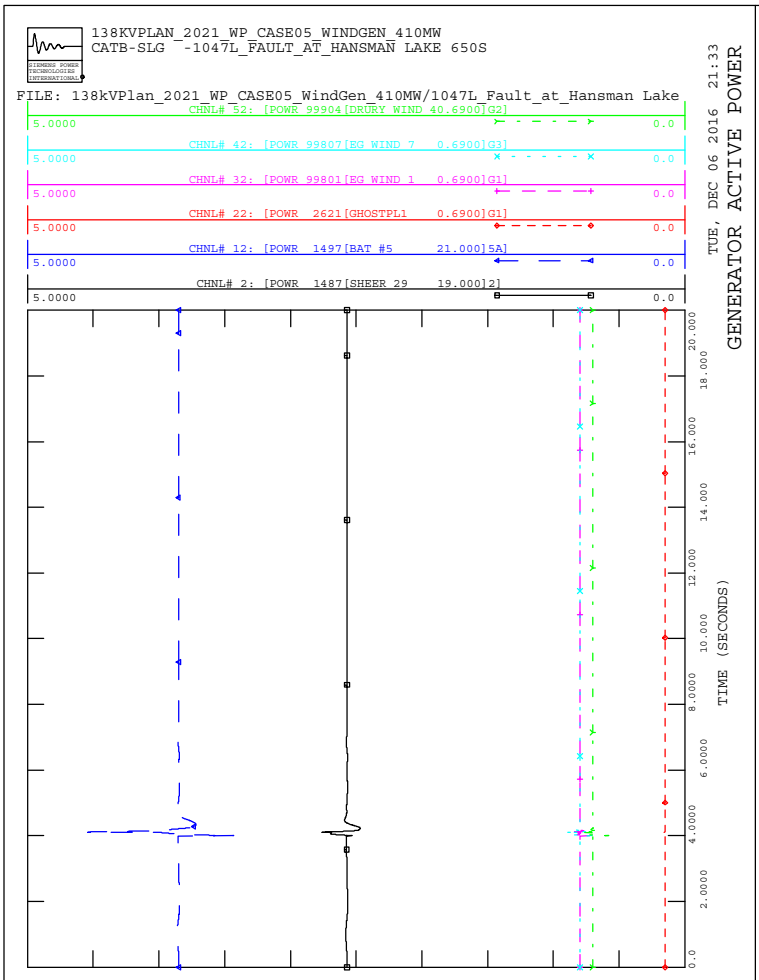
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

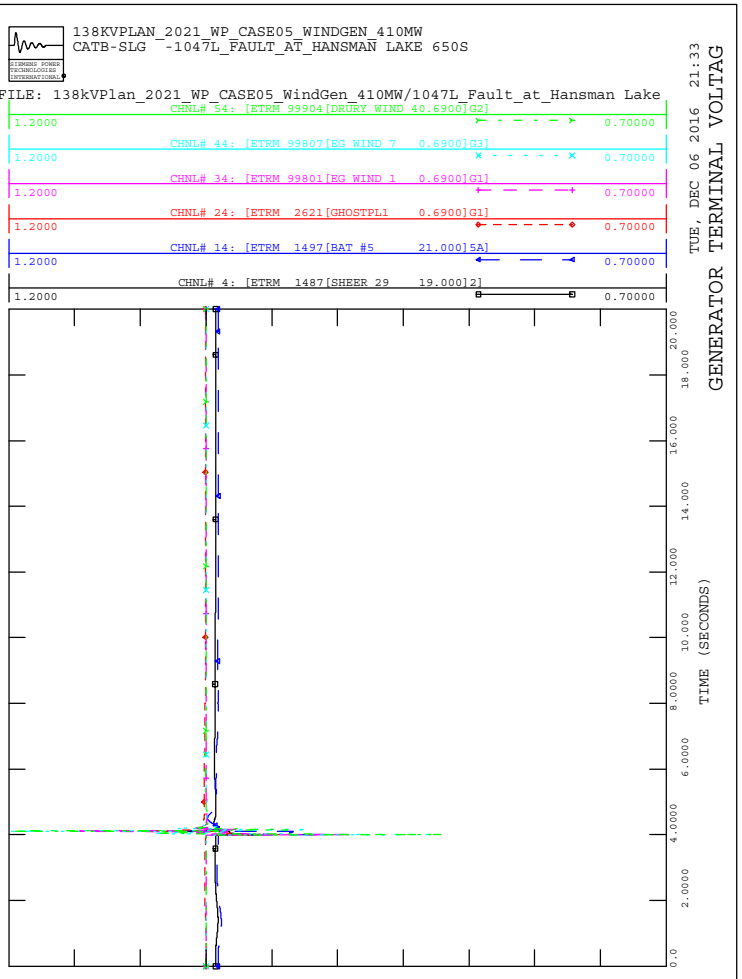
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake

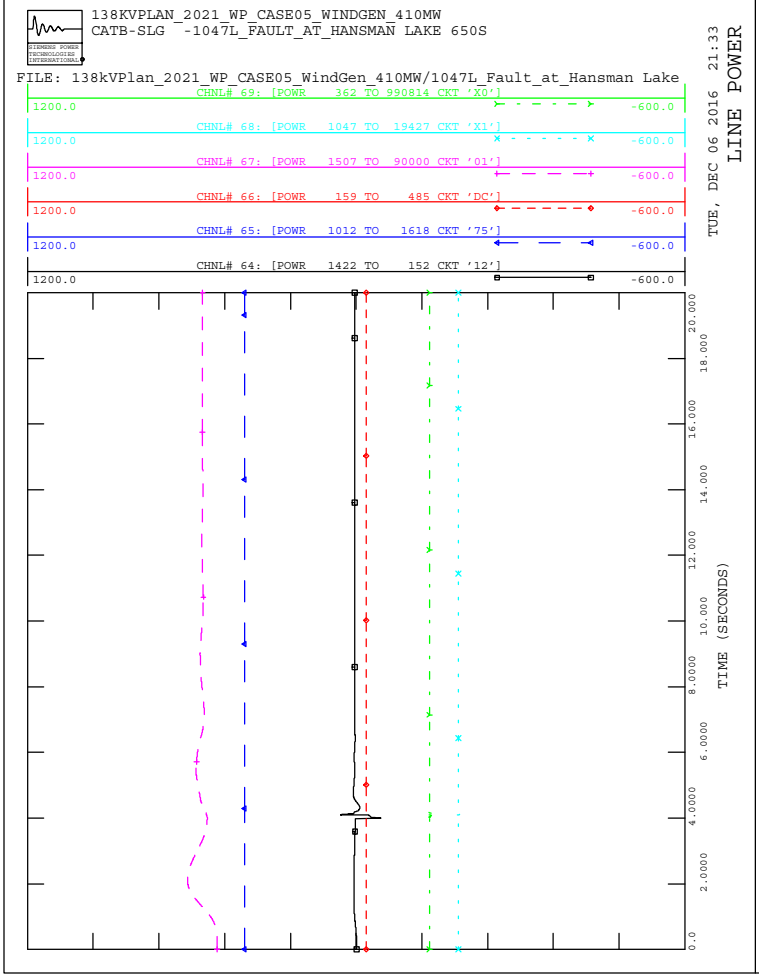
TUE, DEC 06 2016 21:33

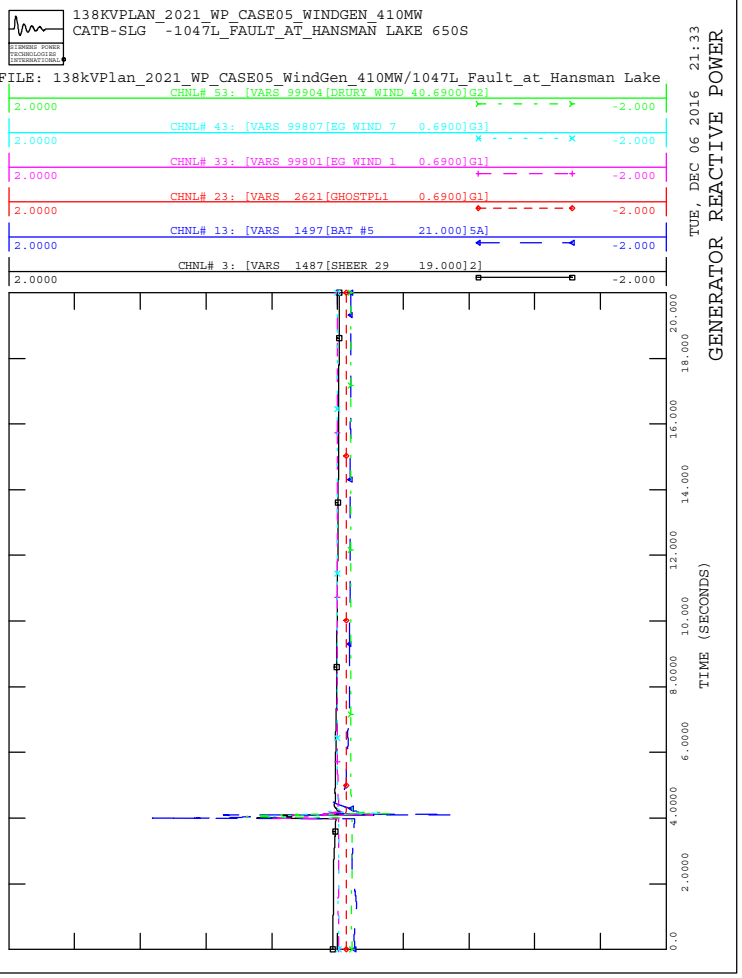
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)

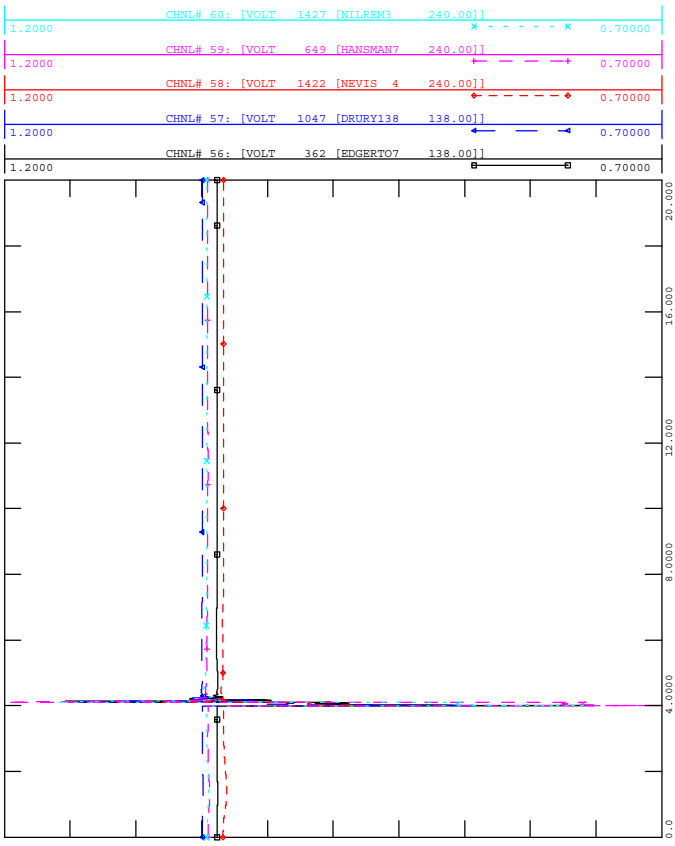

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:33

BUS VOLTAGE

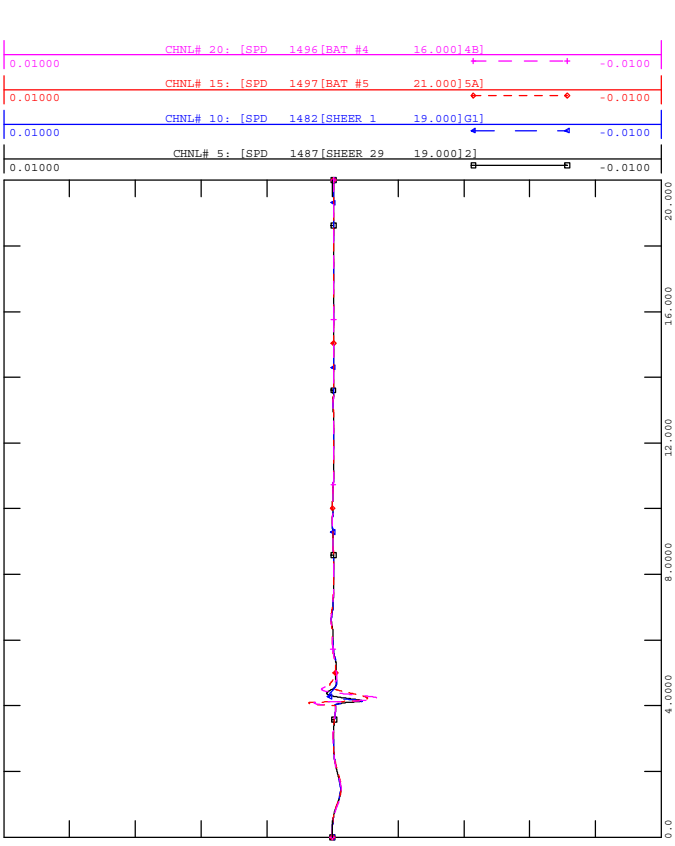


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:33

MACHINE SPEED

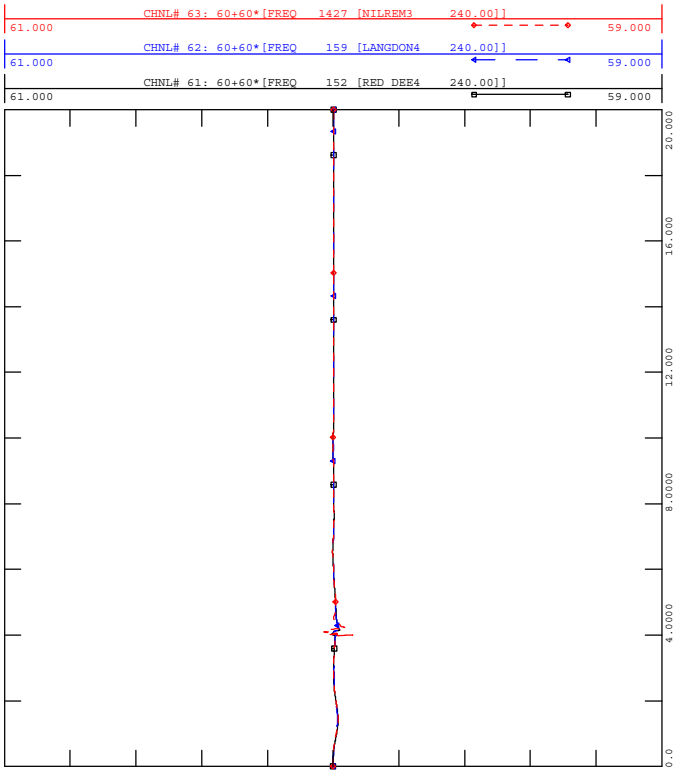


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.

TUE, DEC 06 2016 21:33

FREQUENCY

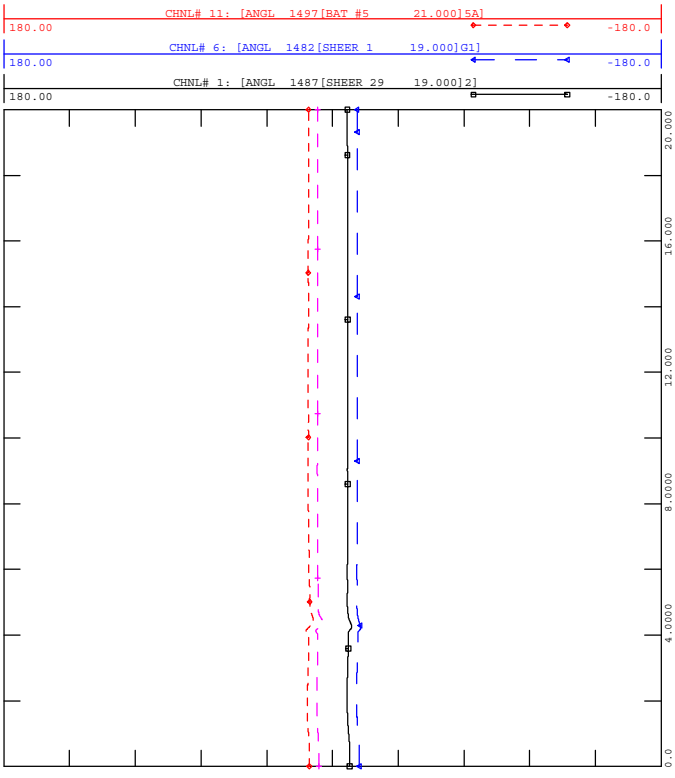


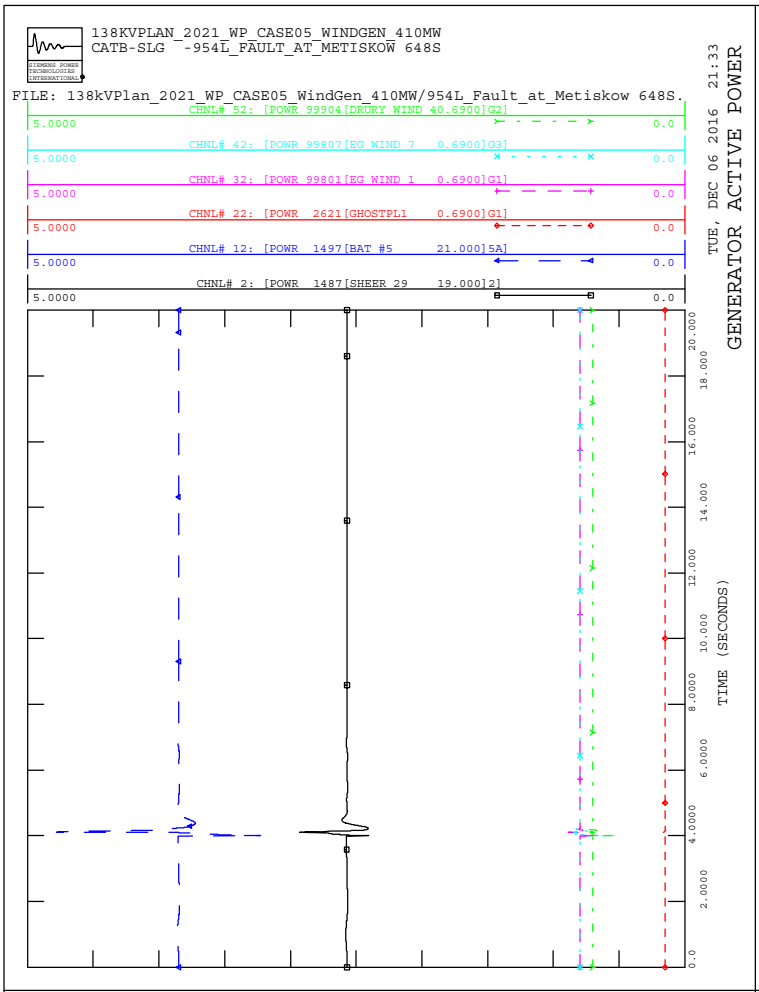
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

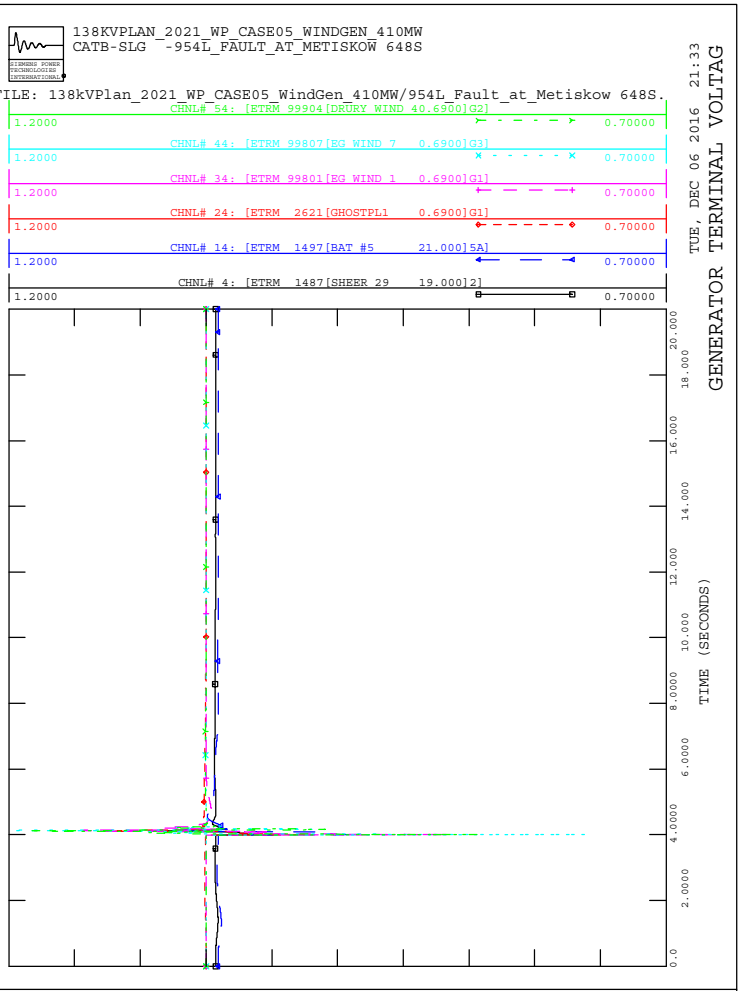
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.

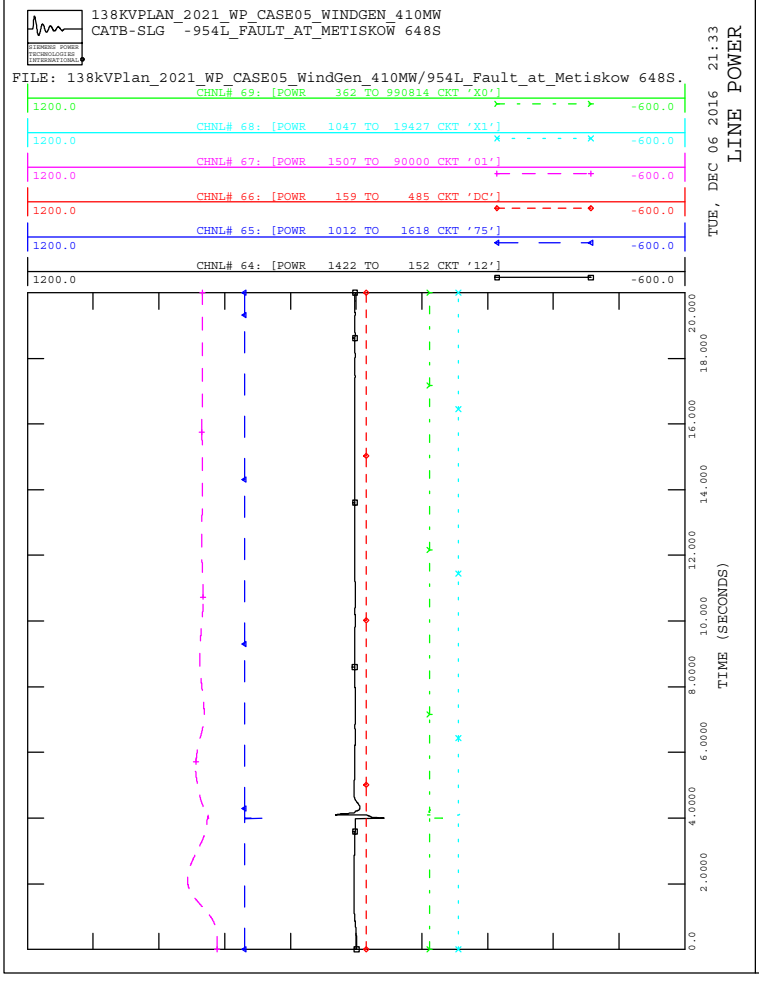
TUE, DEC 06 2016 21:33

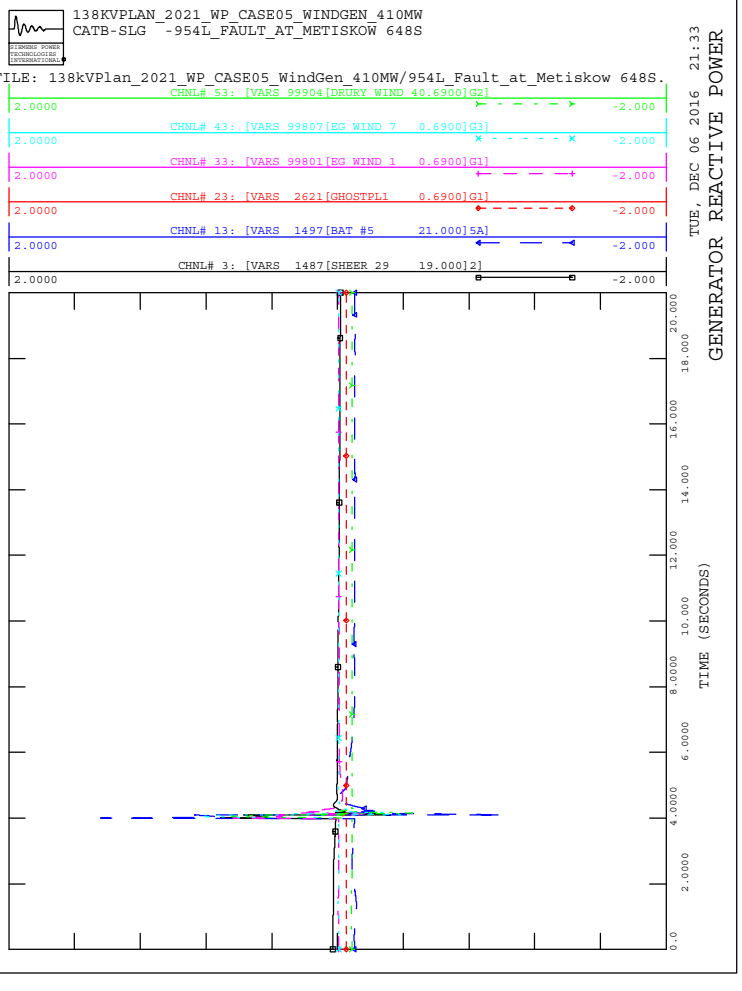
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

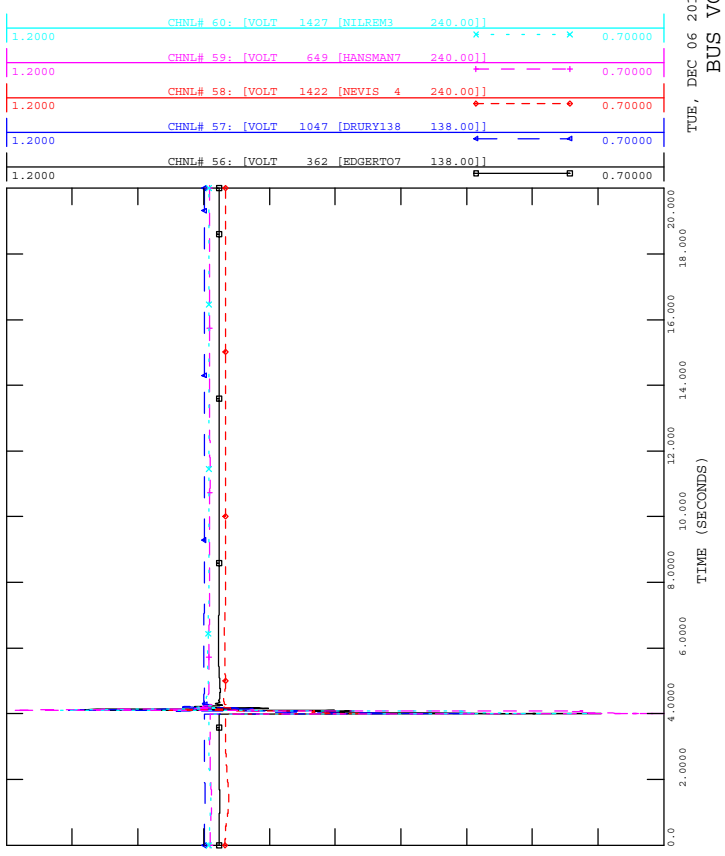

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:33

BUS VOLTAGE

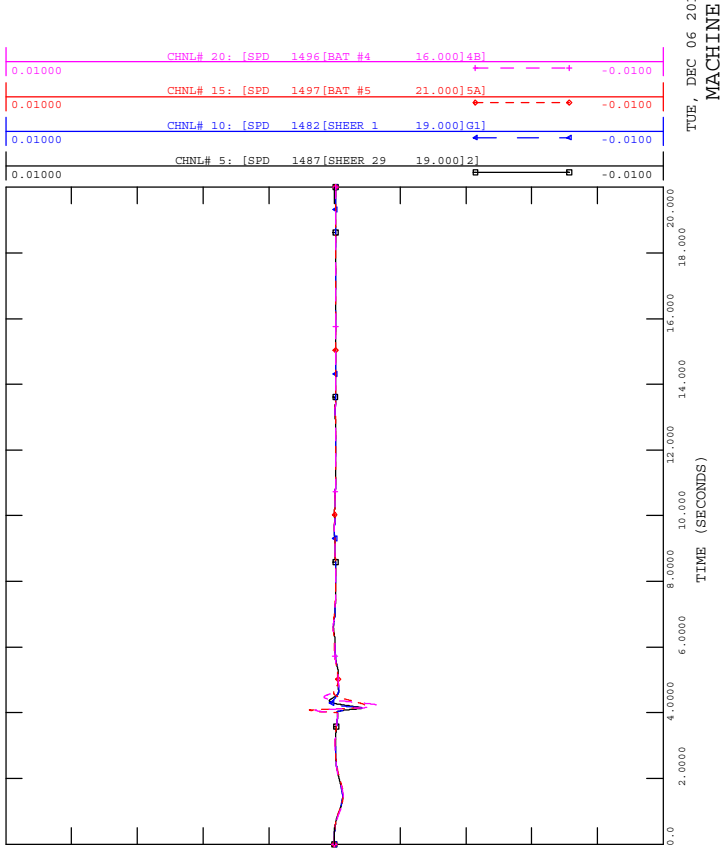


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:33

MACHINE SPEED

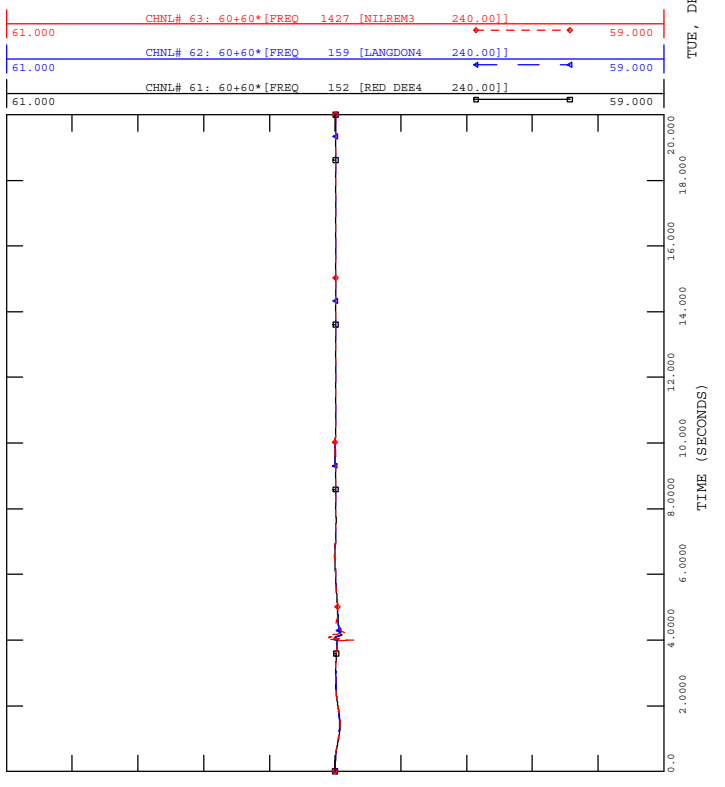


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman Lake 6

TUE, DEC 06 2016 21:33

FREQUENCY

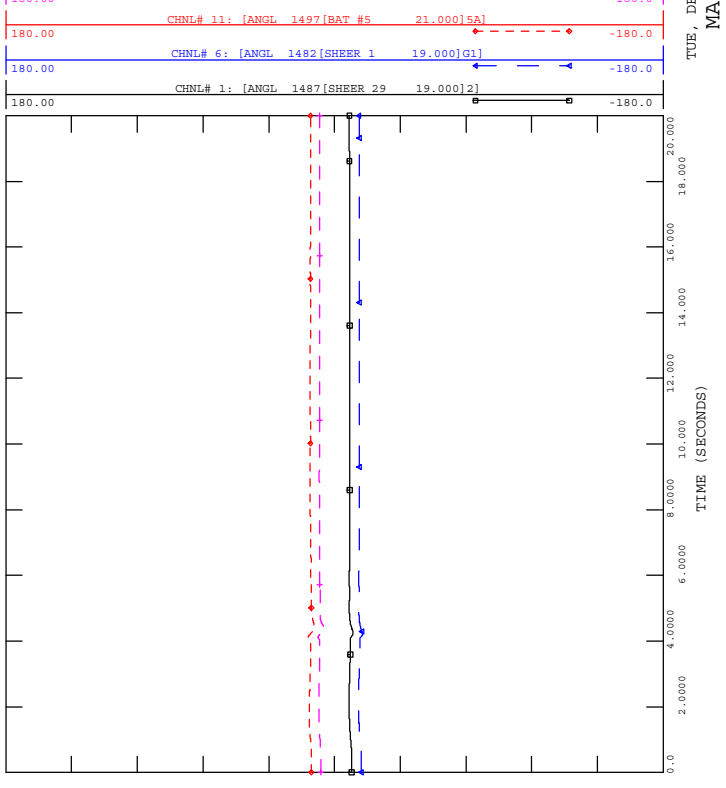


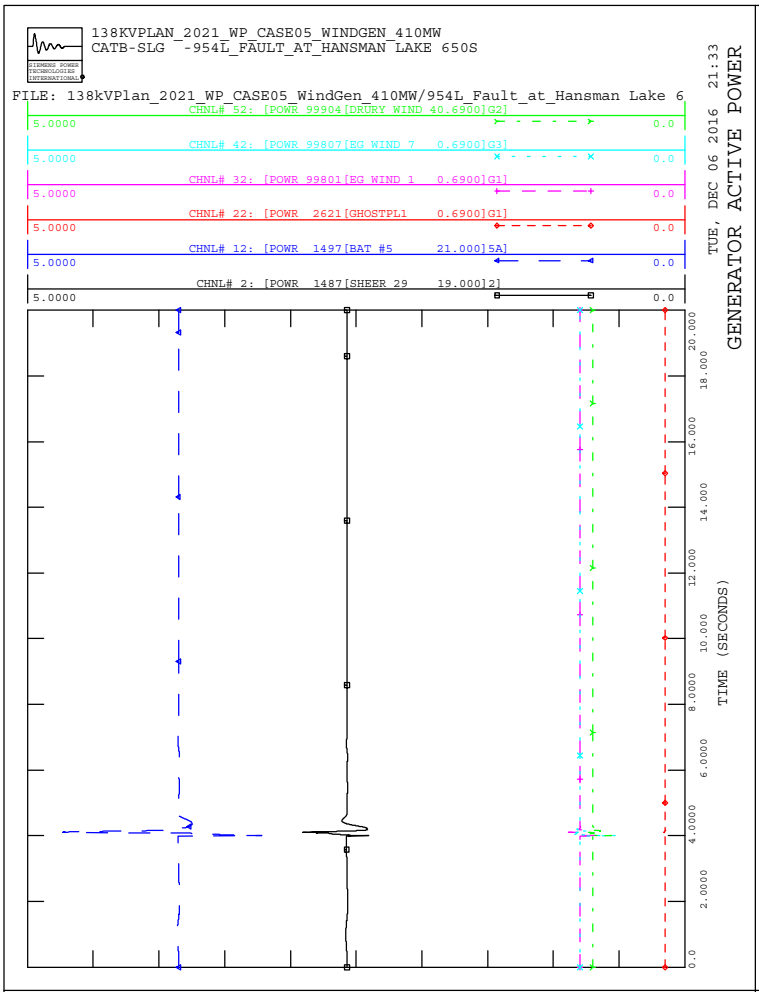
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

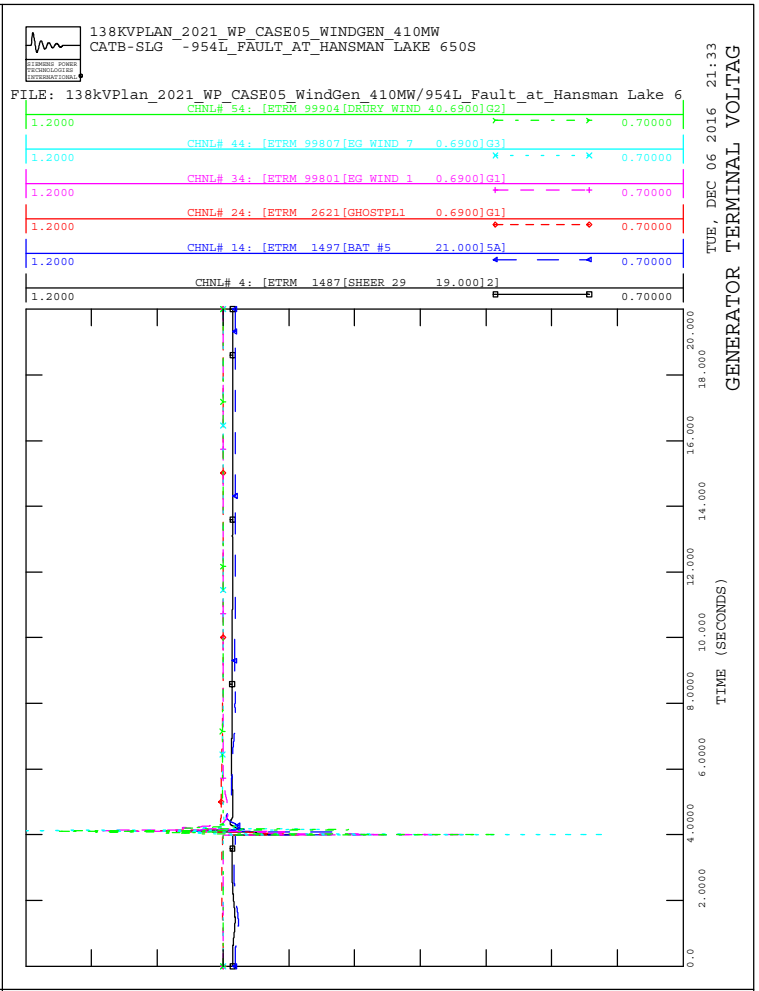
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman Lake 6

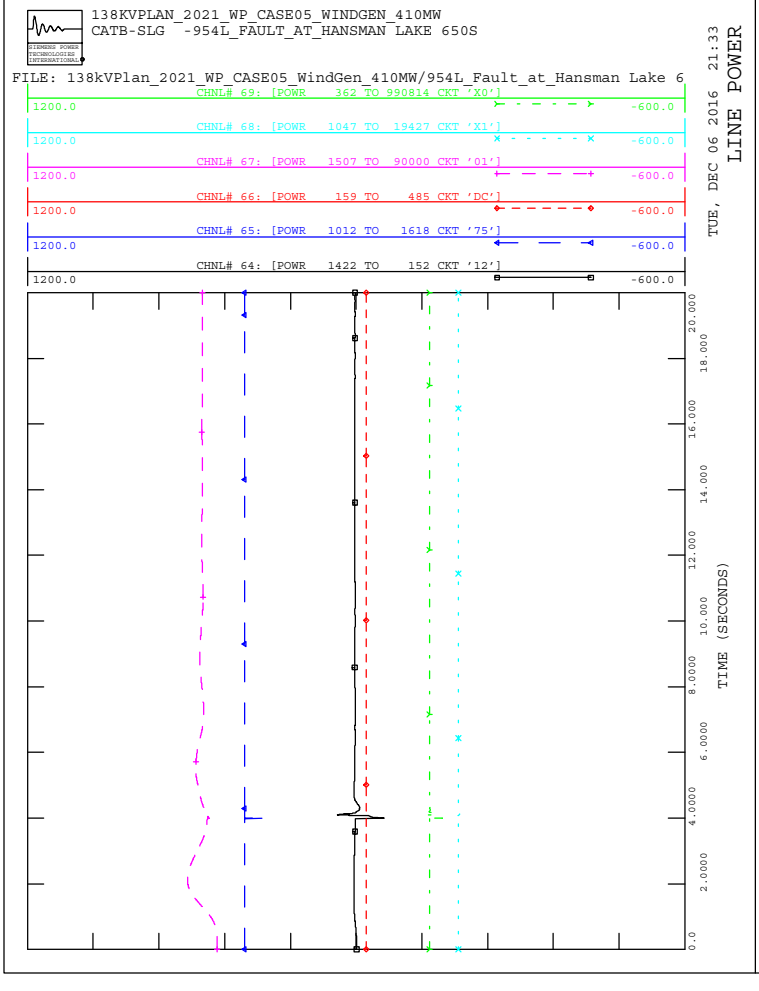
TUE, DEC 06 2016 21:33

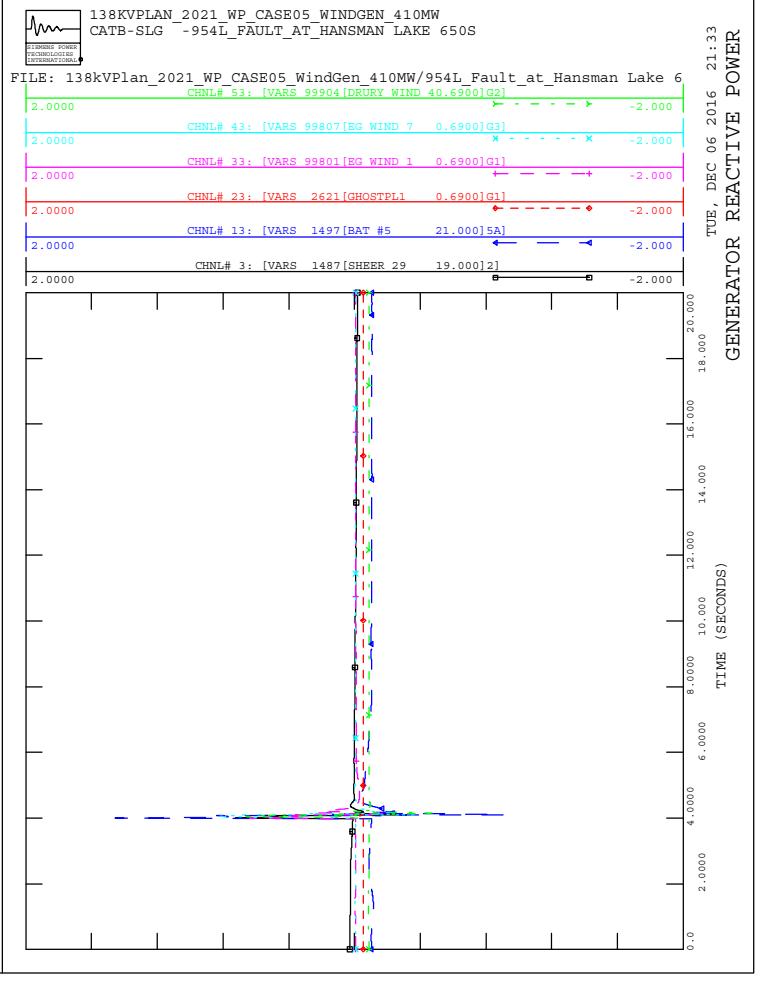
MACHINE ANGLE

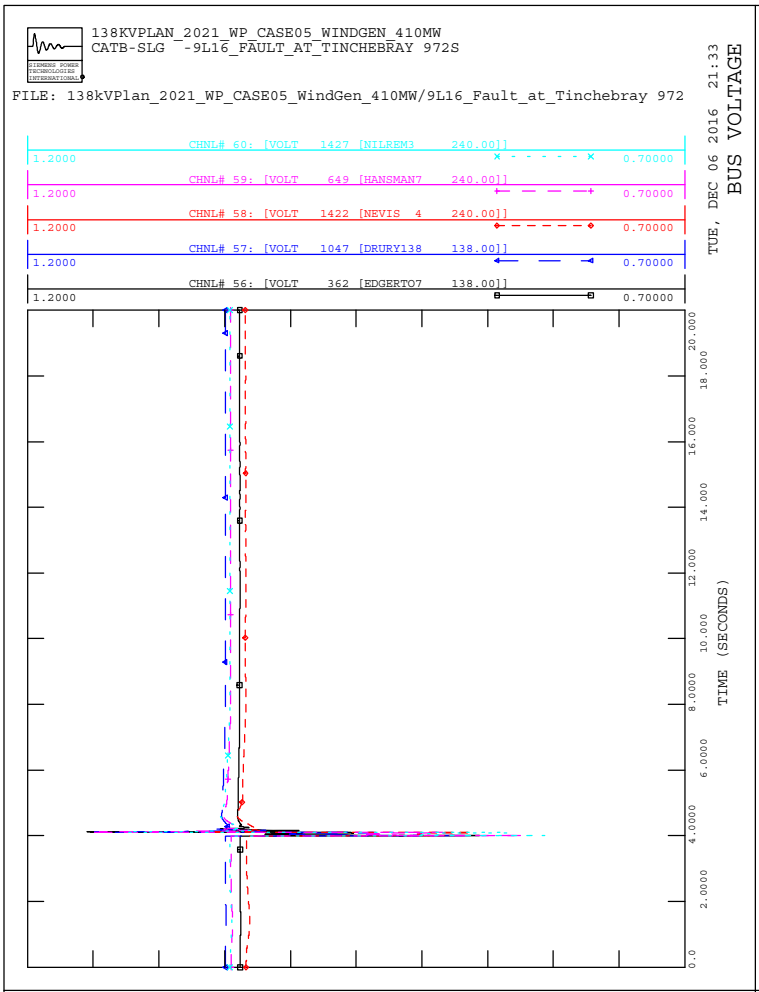



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_Fault_at_Hansman_Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972
TUE, DEC 06 2016 21:33
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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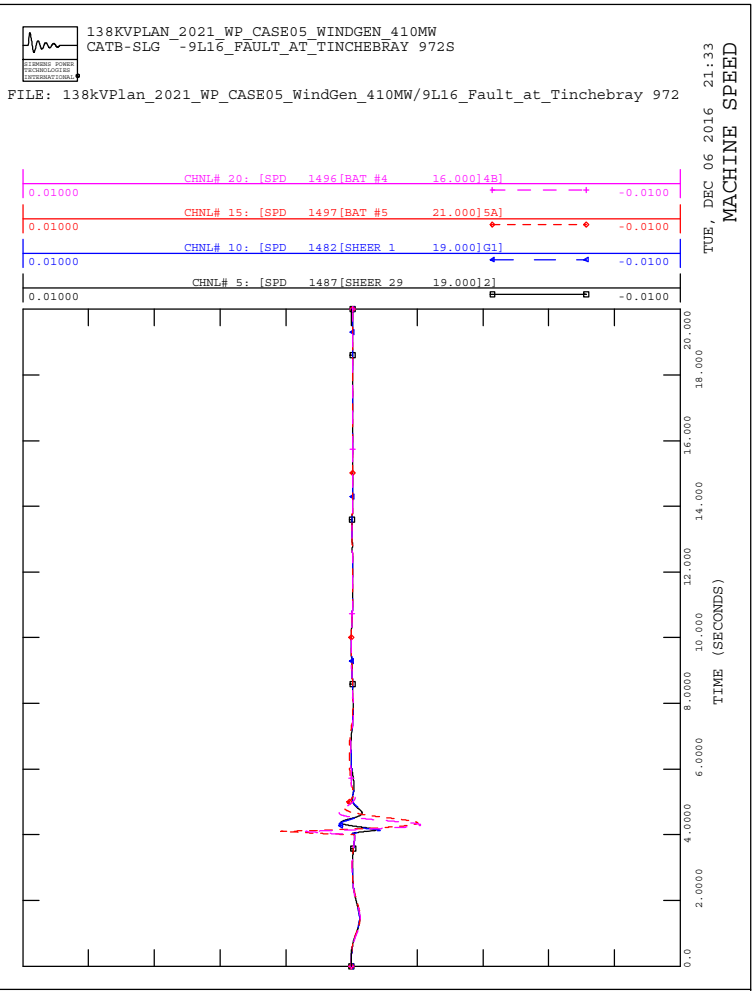
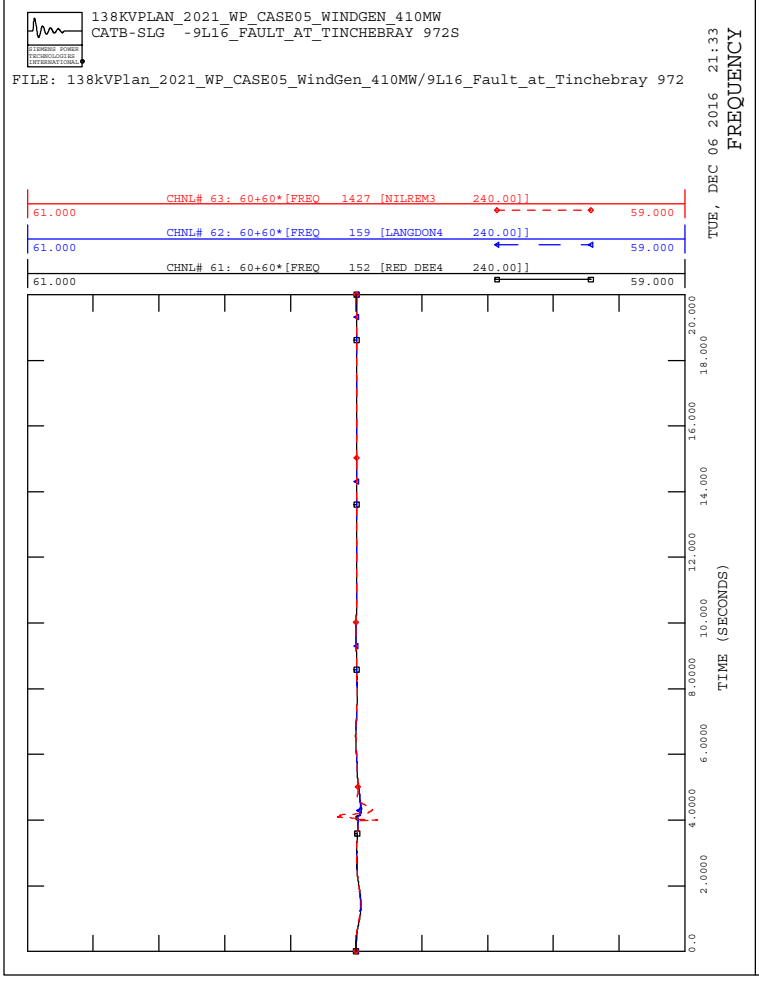
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972
TUE, DEC 06 2016 21:33
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972
TUE, DEC 06 2016 21:33
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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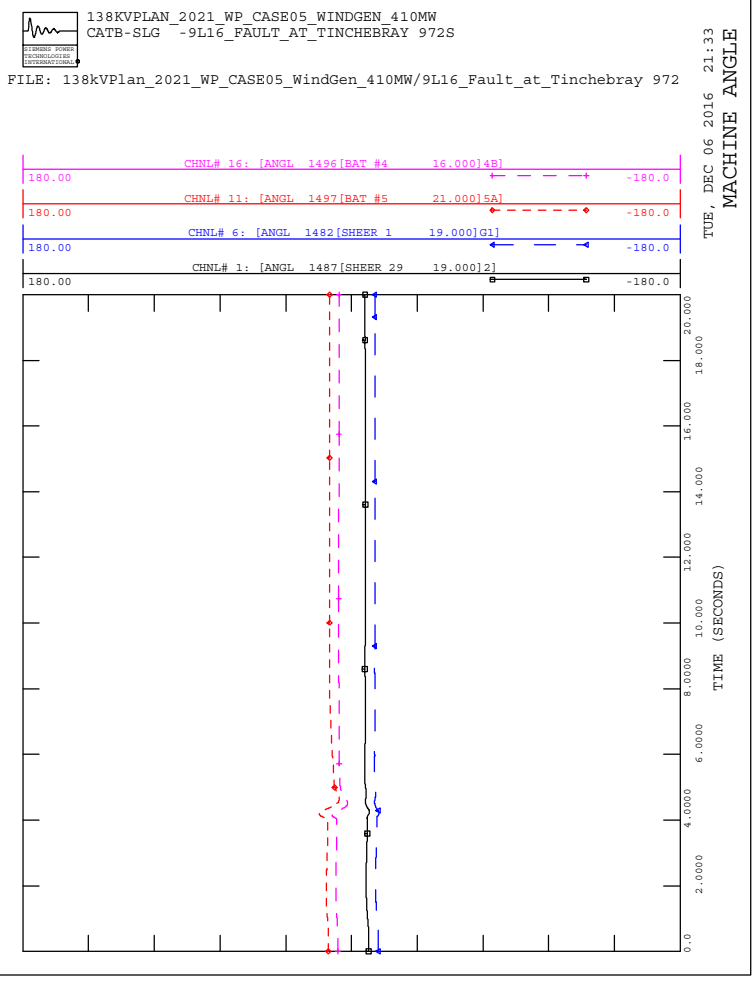
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972
TUE, DEC 06 2016 21:33
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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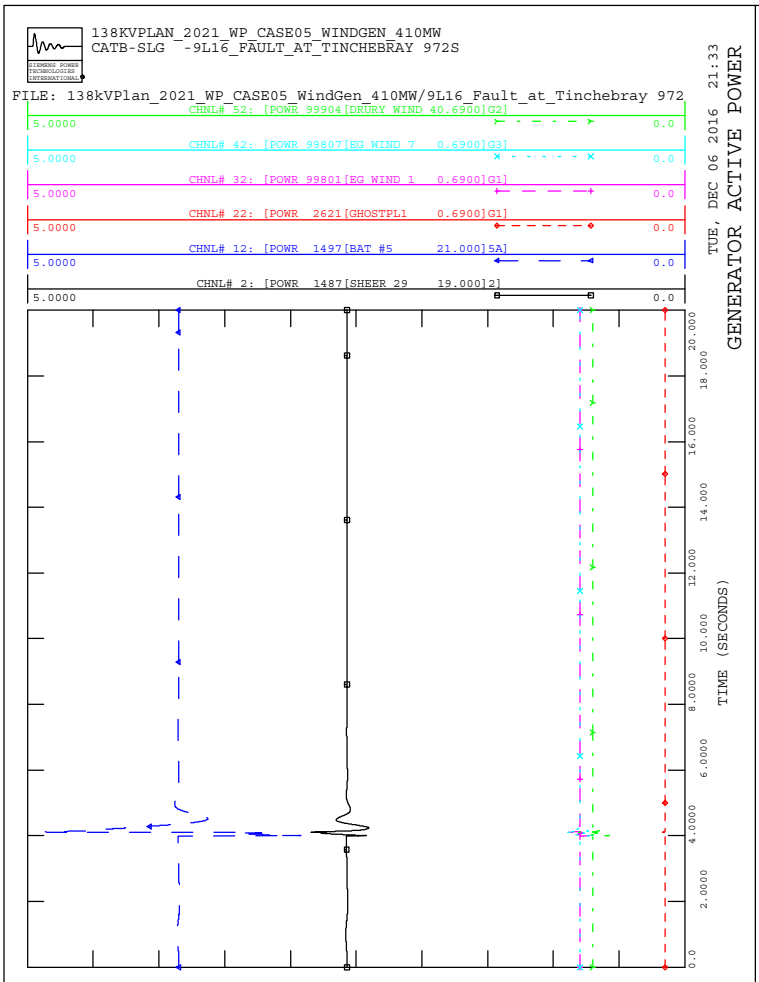
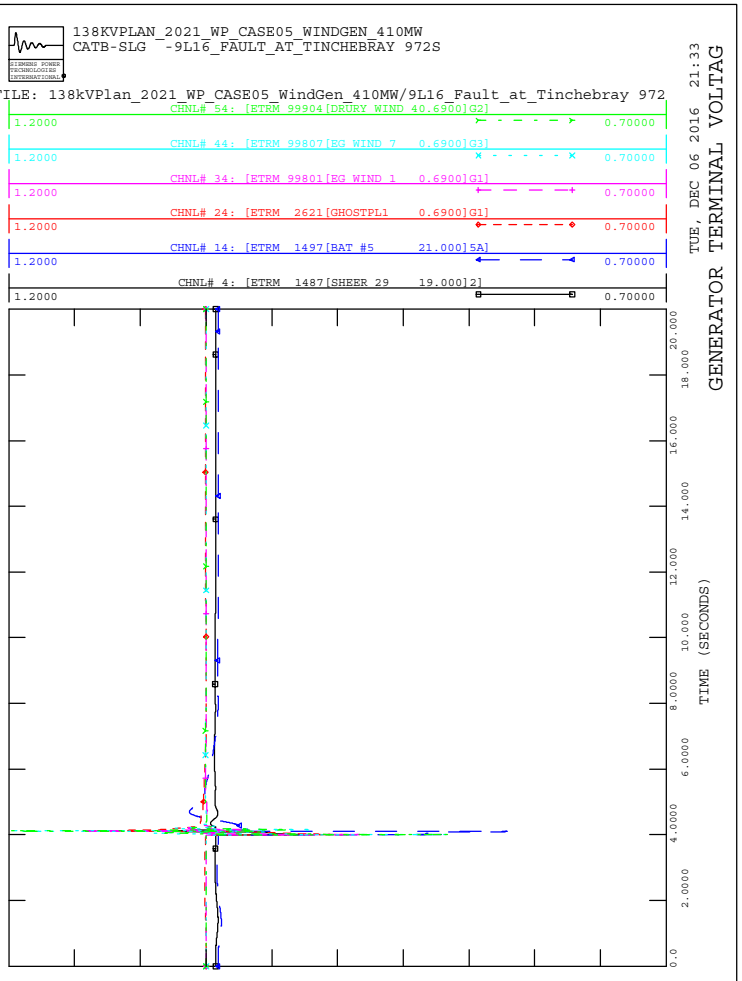
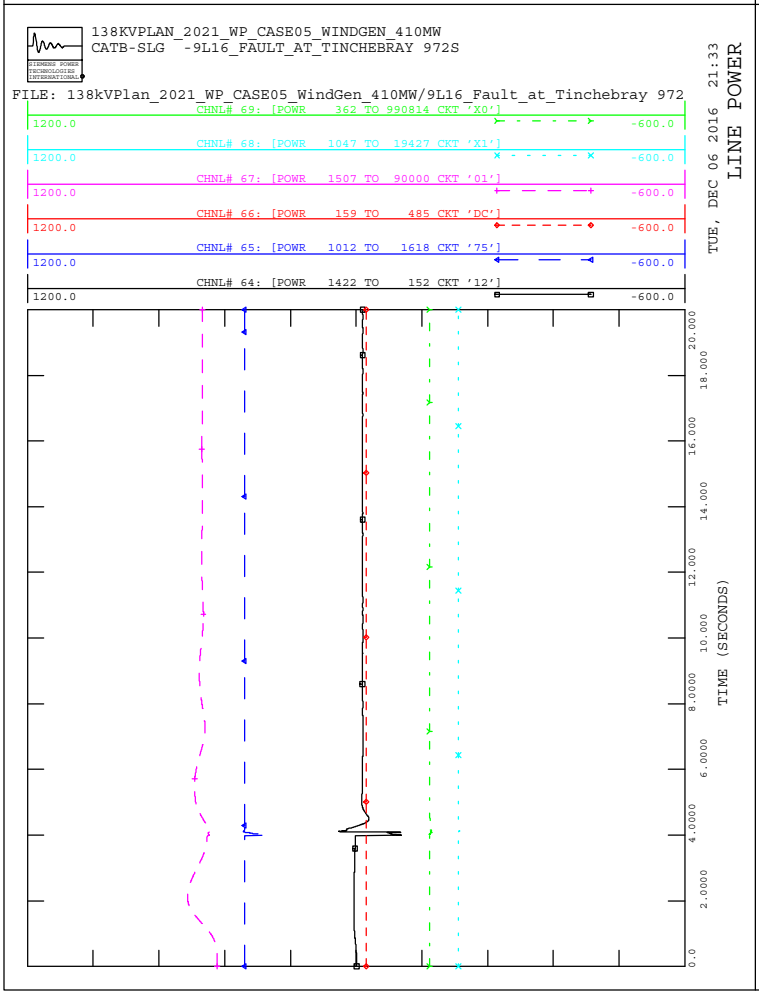
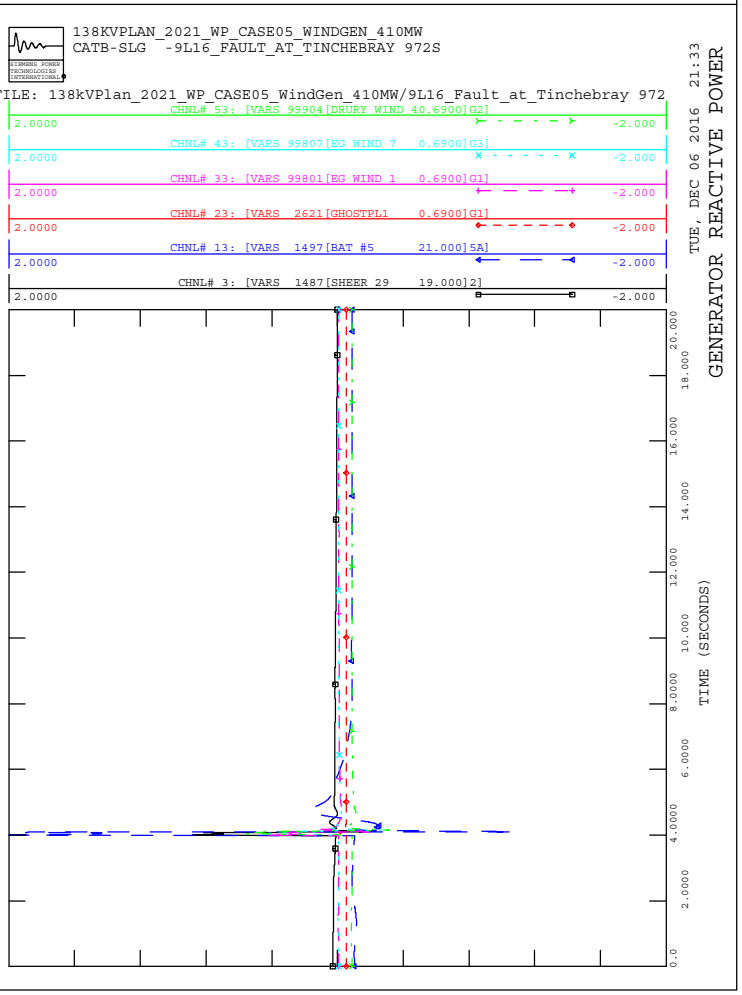
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

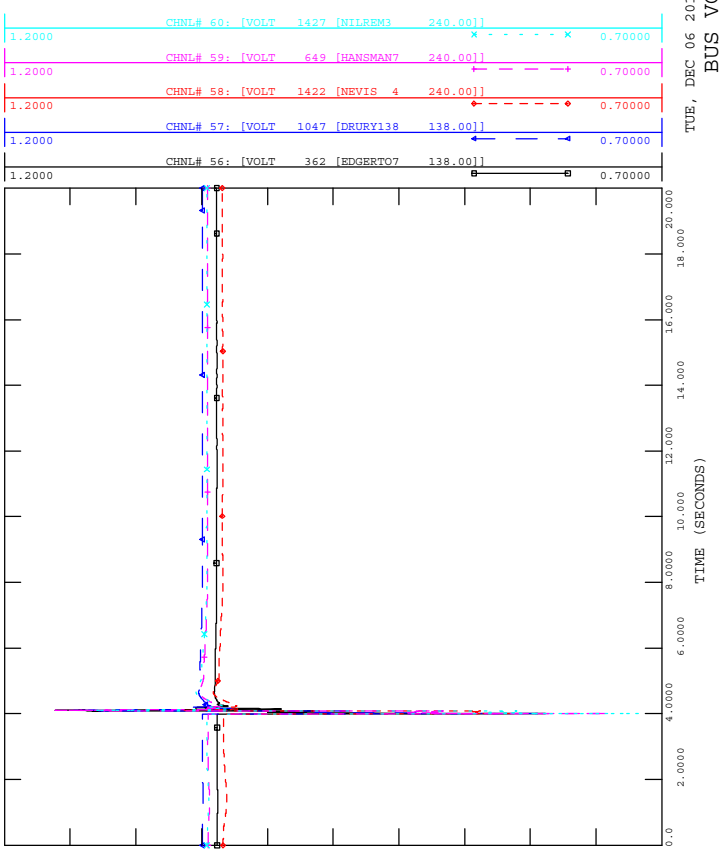

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

BUS VOLTAGE

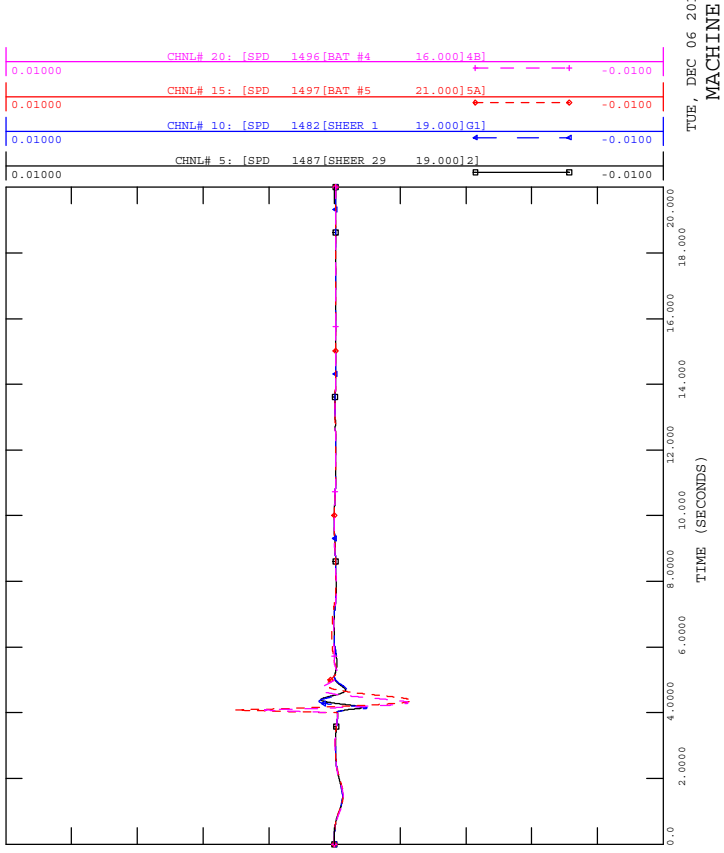


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

MACHINE SPEED

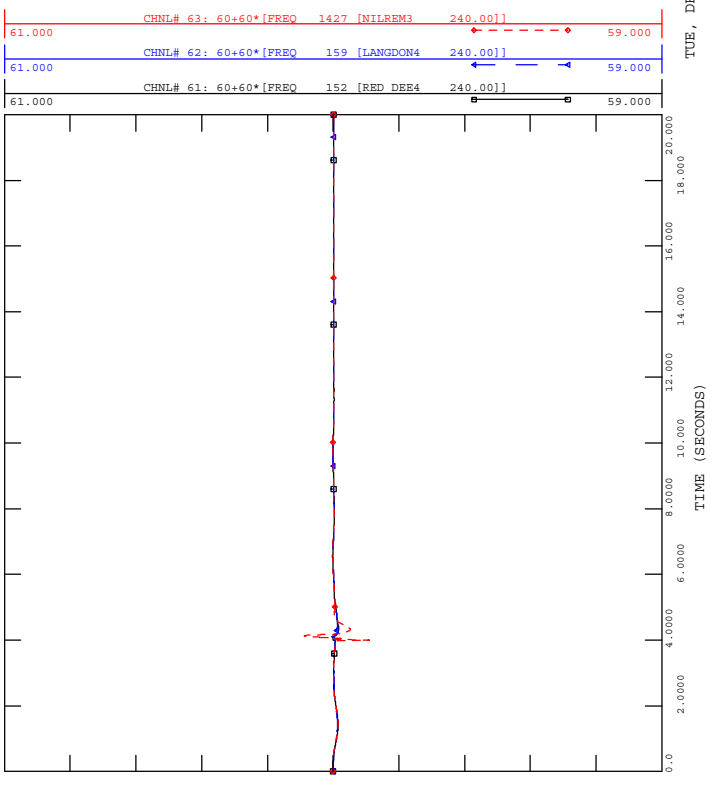


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

FREQUENCY

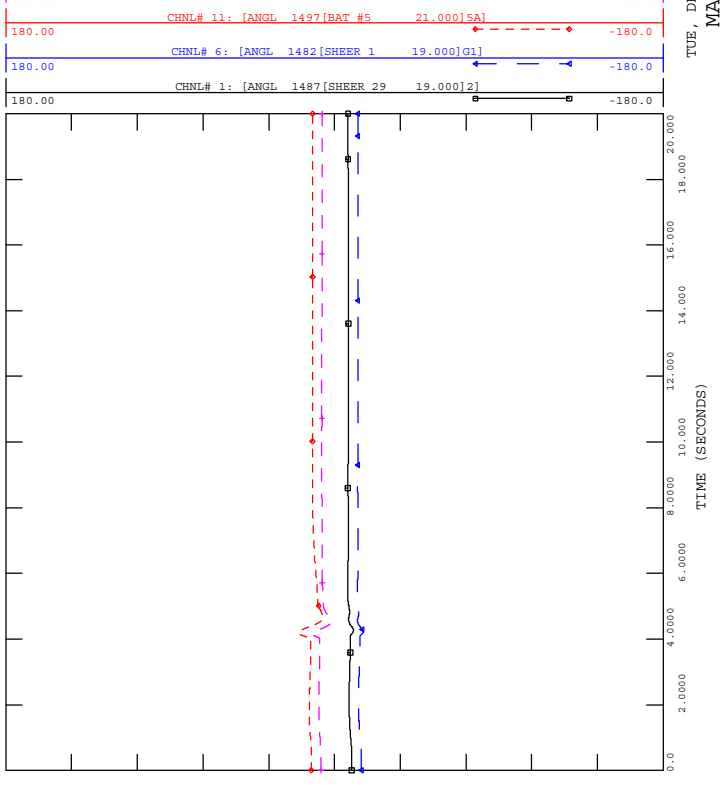


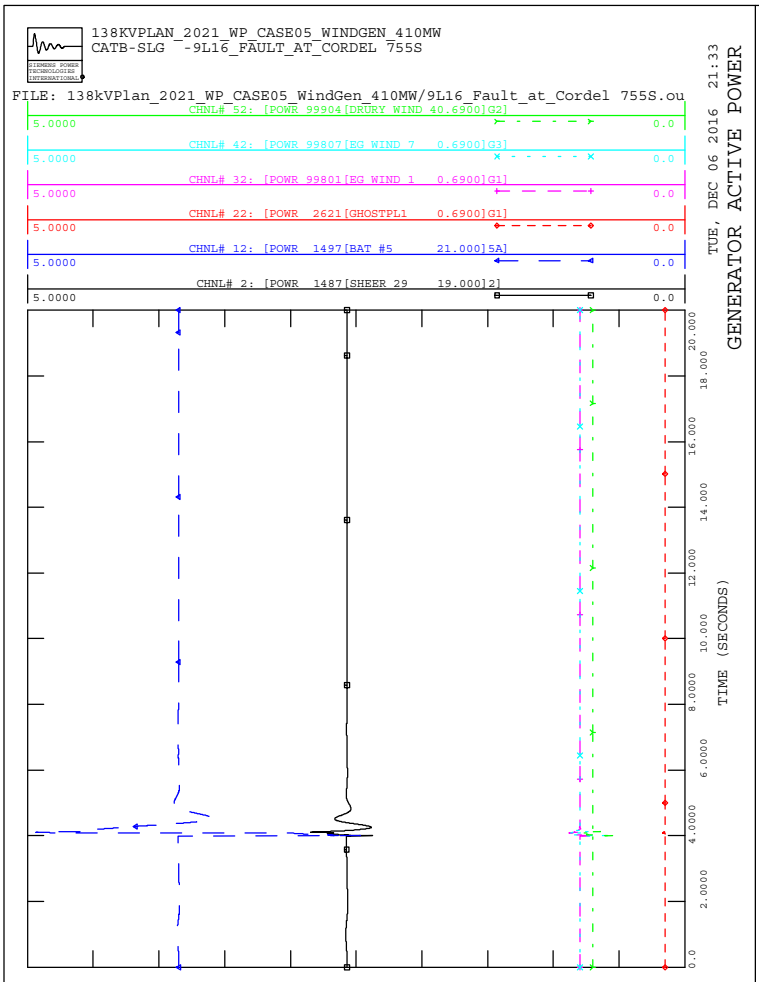
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

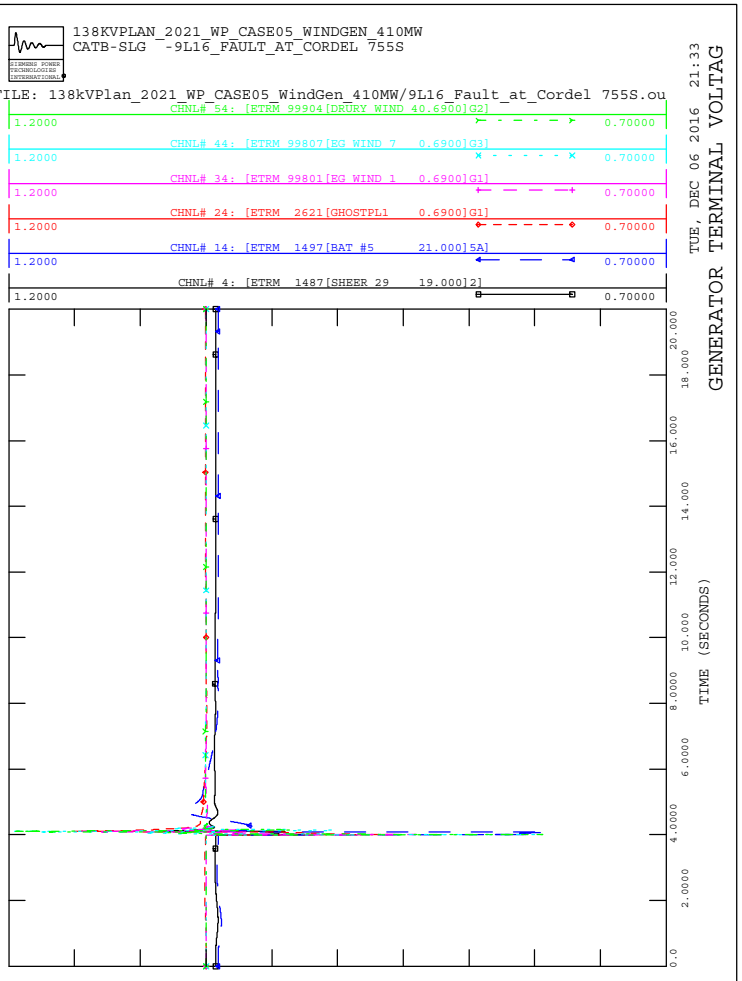
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou

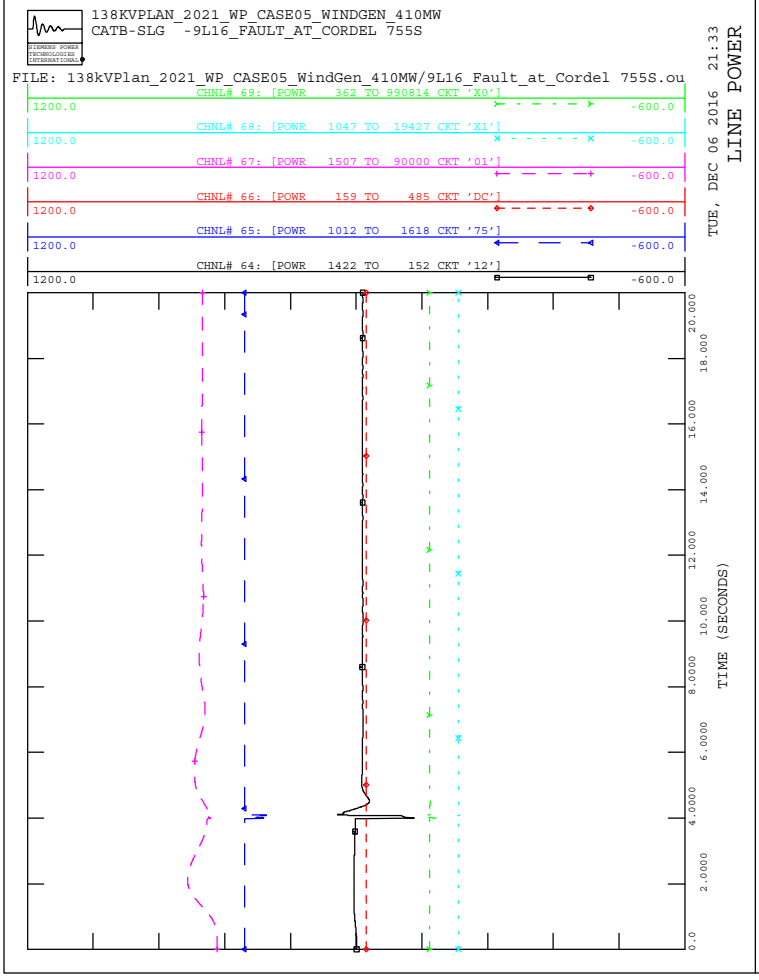
TUE, DEC 06 2016 21:33

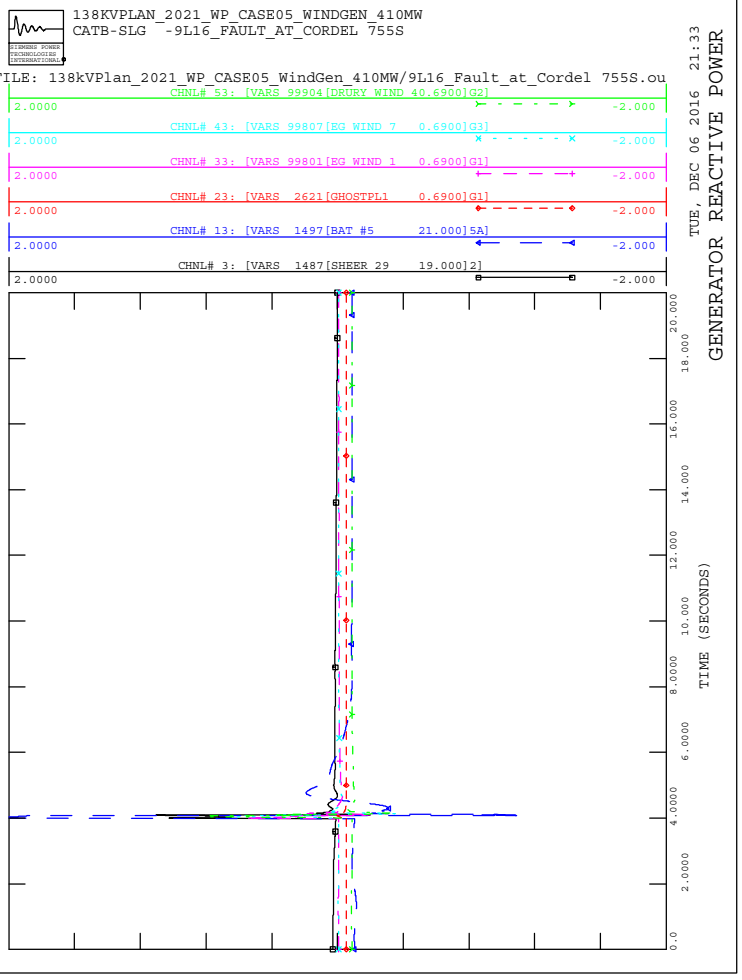
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

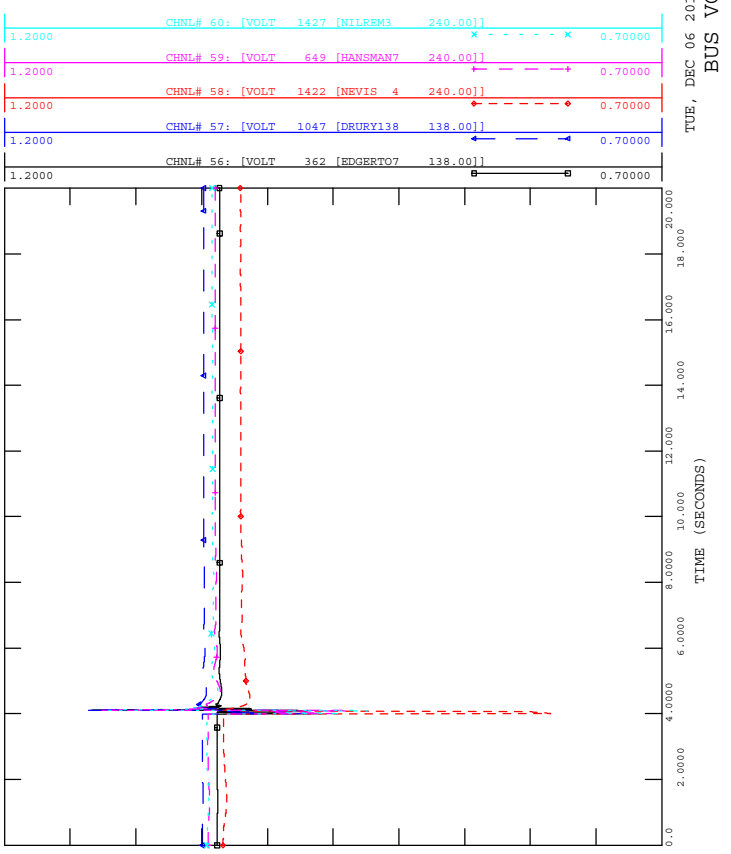

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:33

BUS VOLTAGE

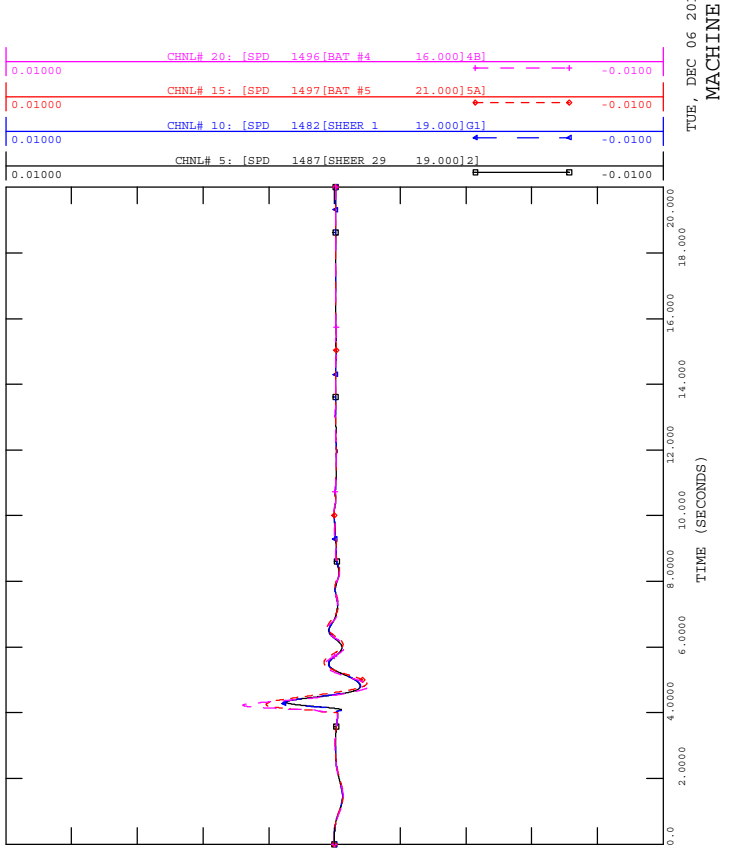


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:33

MACHINE SPEED

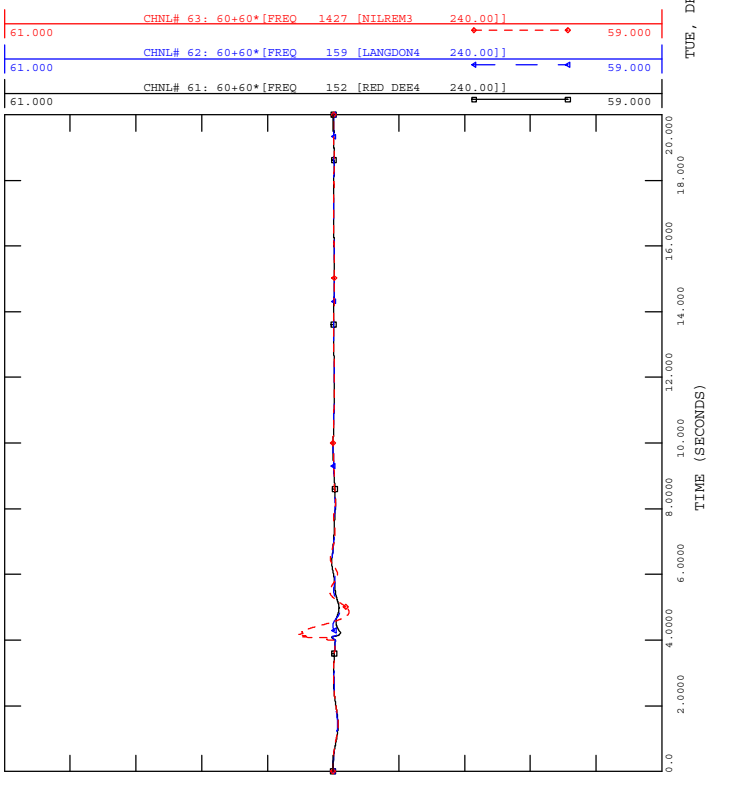


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 21:33

FREQUENCY

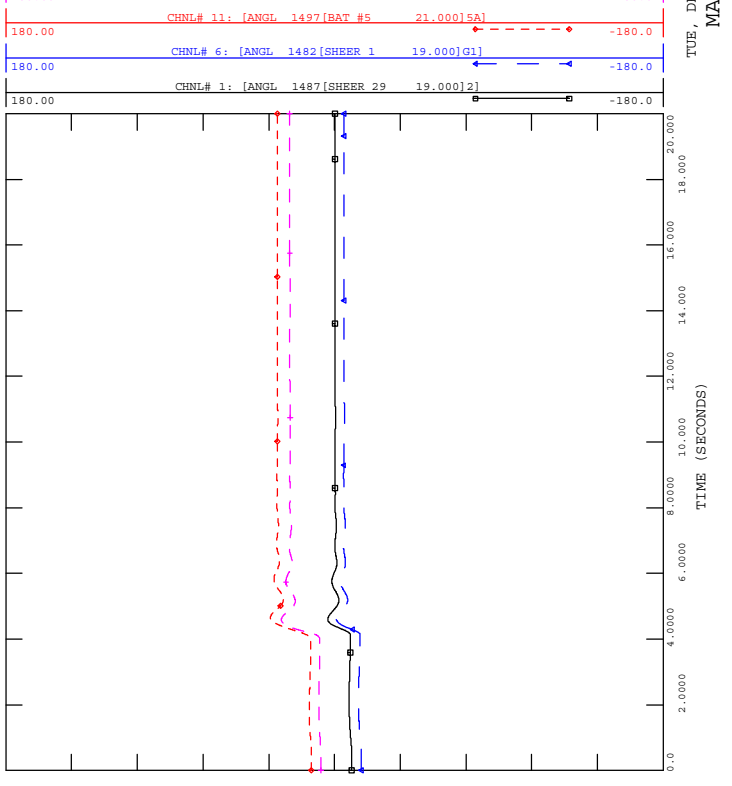


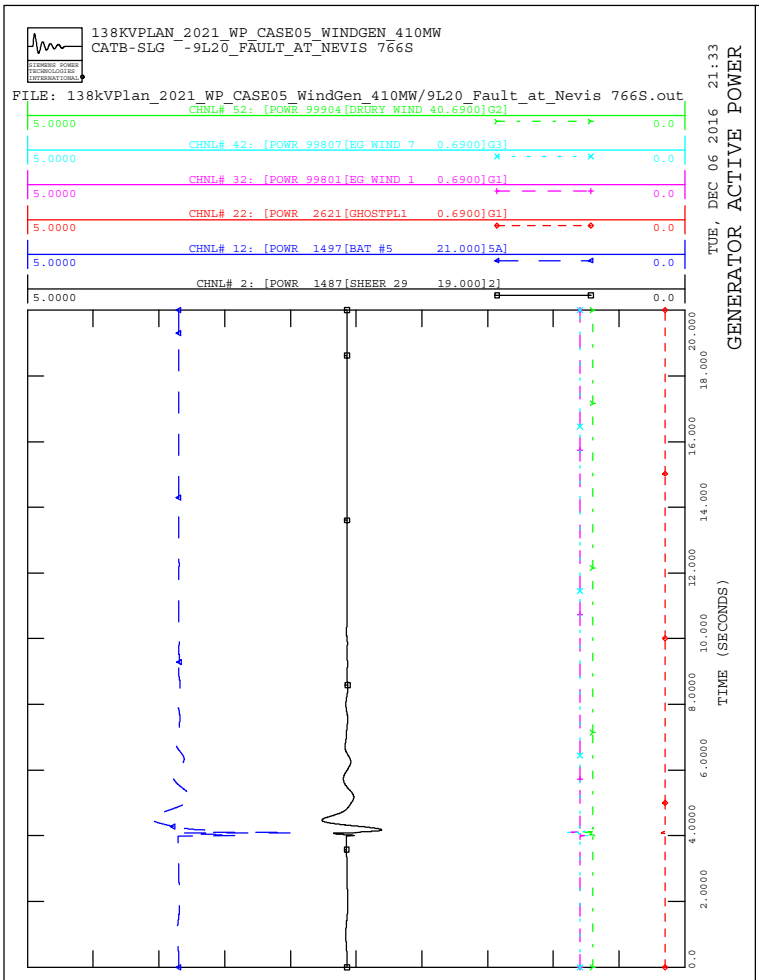
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

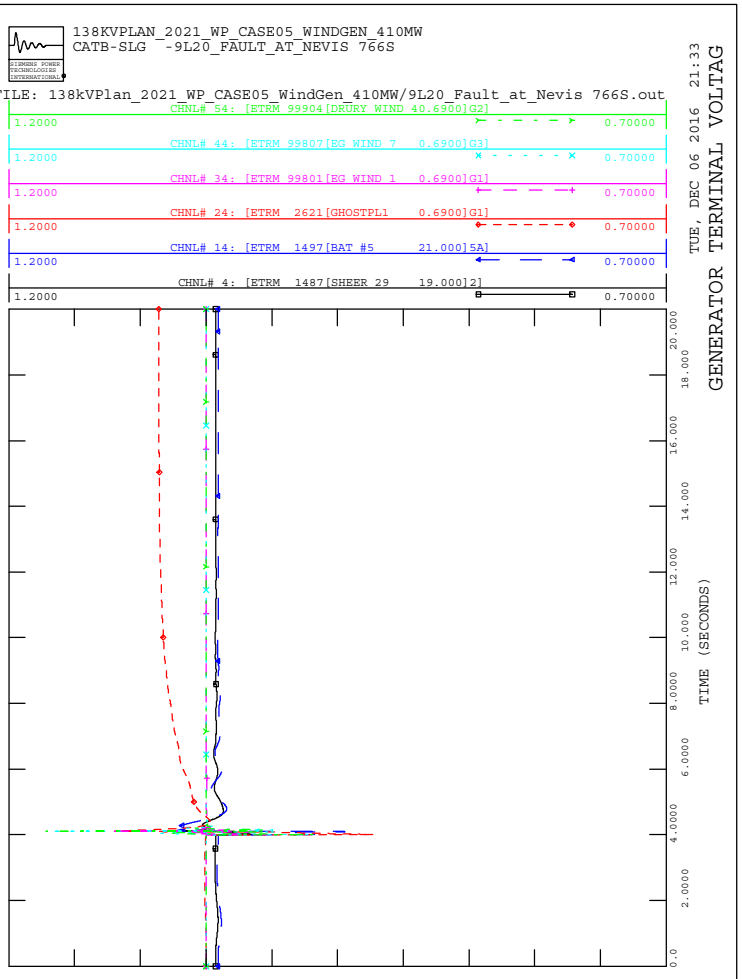
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out

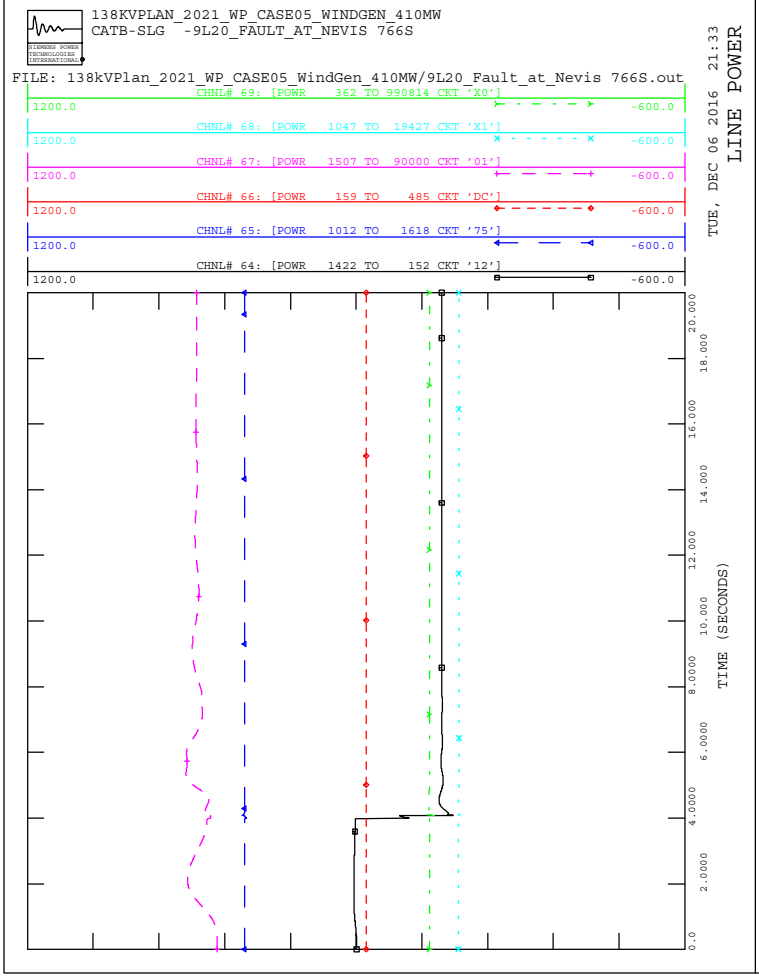
TUE, DEC 06 2016 21:33

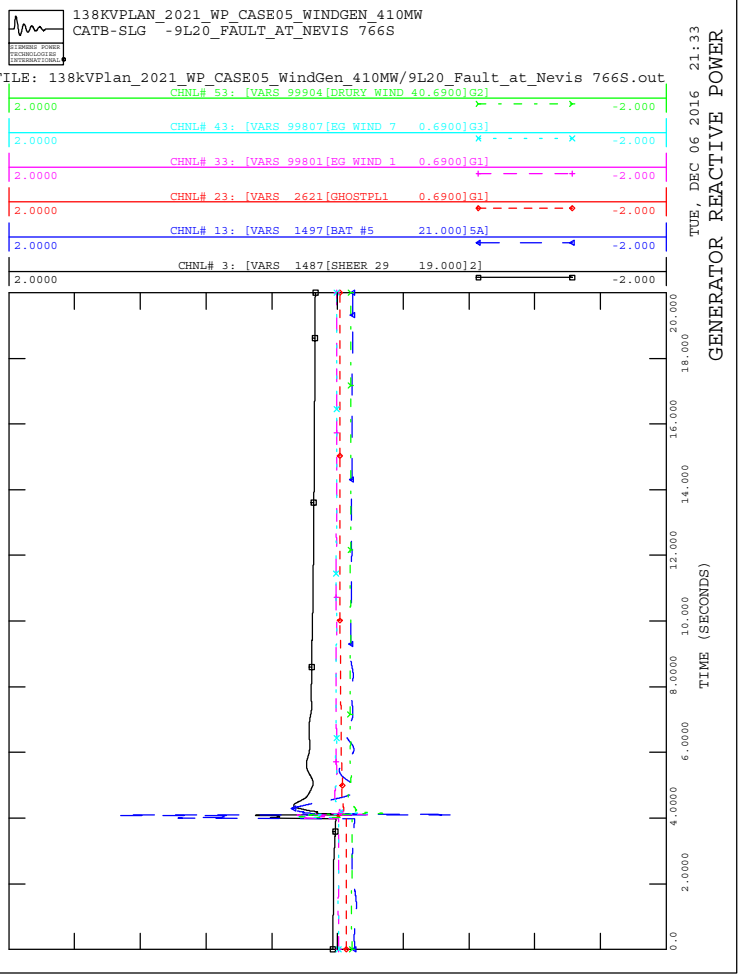
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

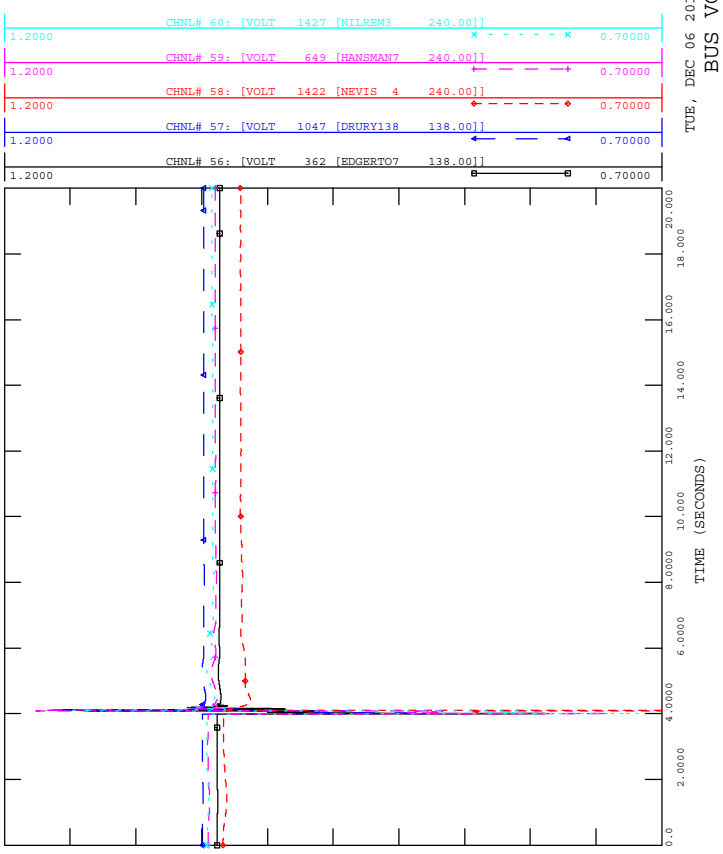

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

BUS VOLTAGE

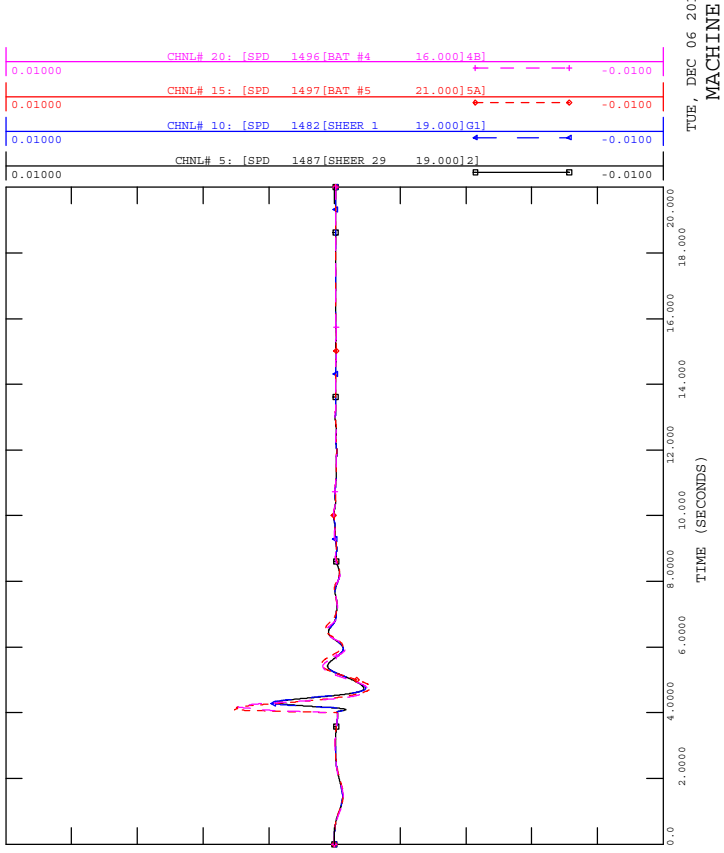


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

MACHINE SPEED

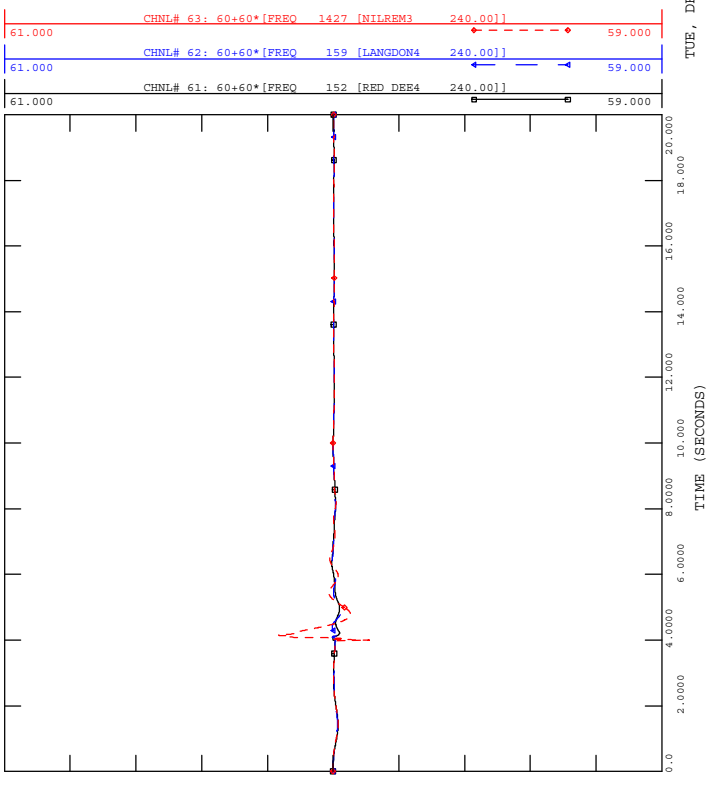


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

FREQUENCY

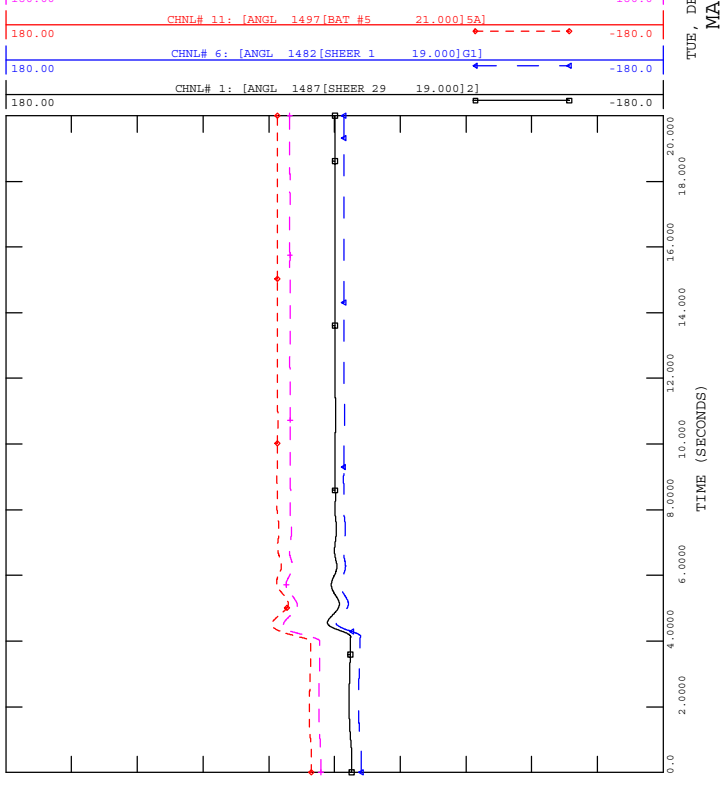


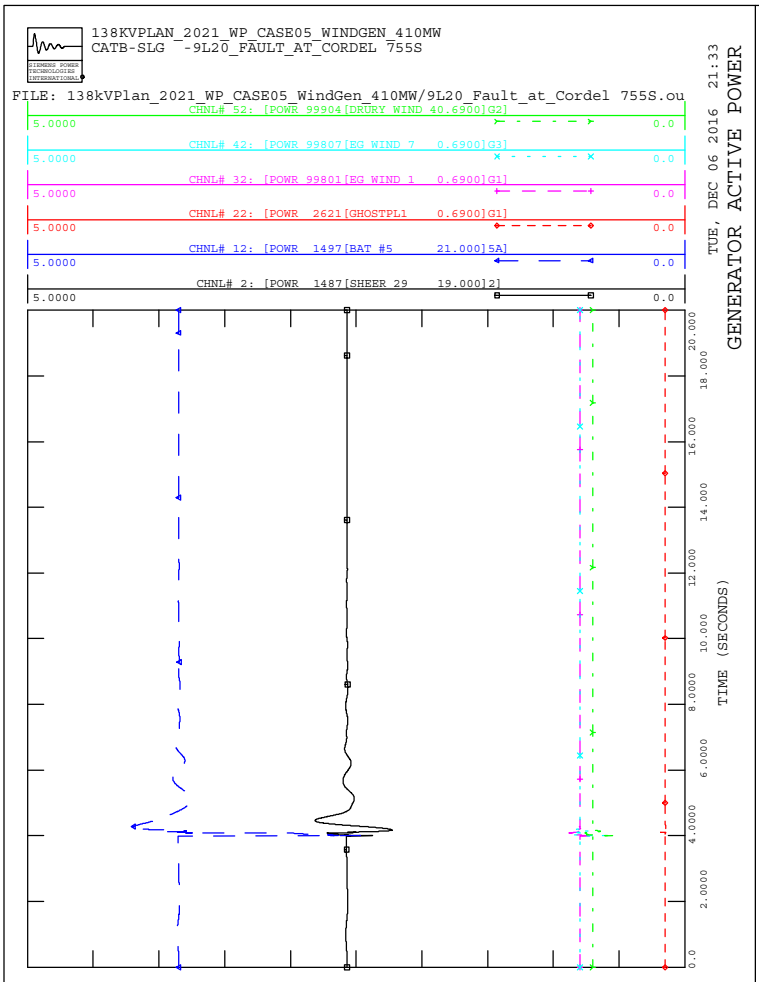
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

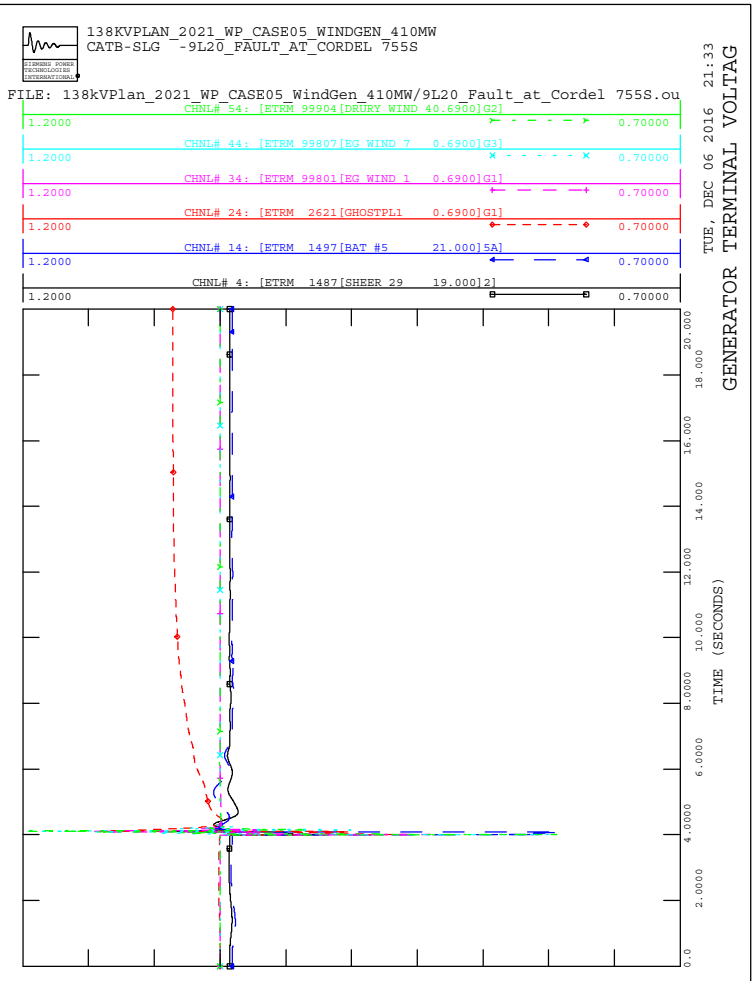
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou

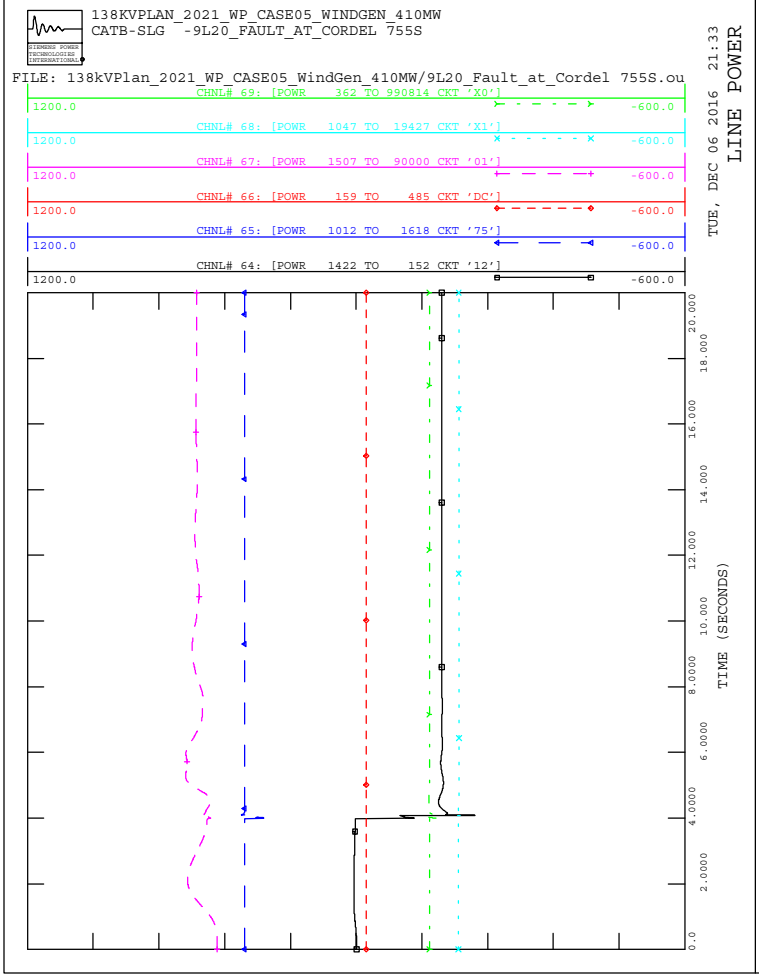
TUE, DEC 06 2016 21:33

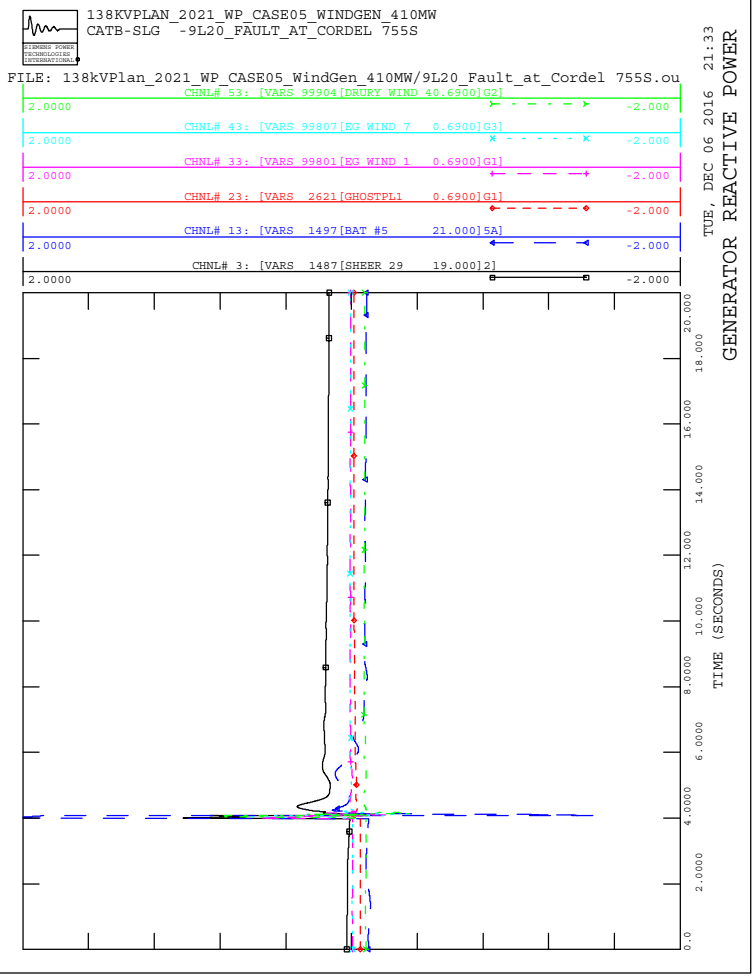
MACHINE ANGLE

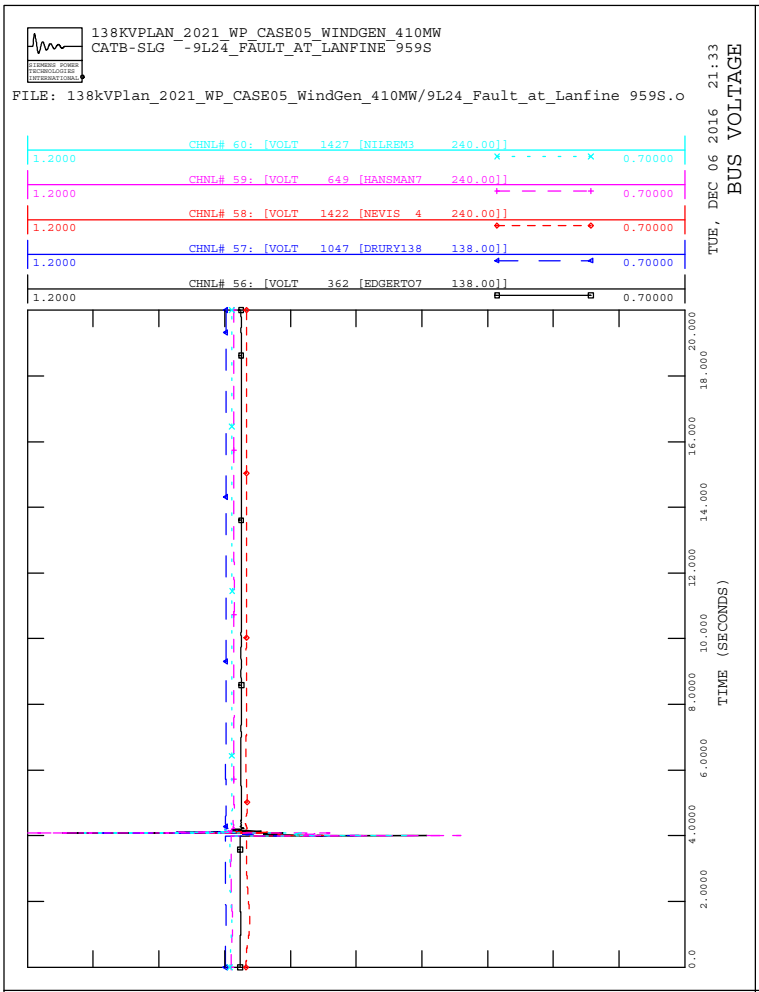


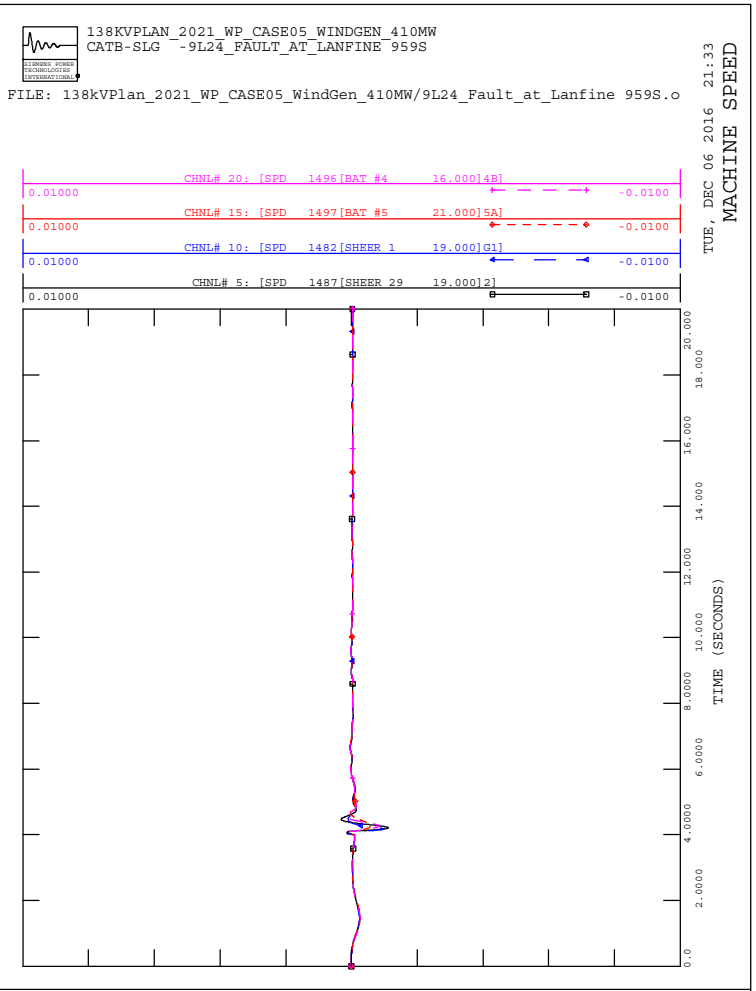

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)

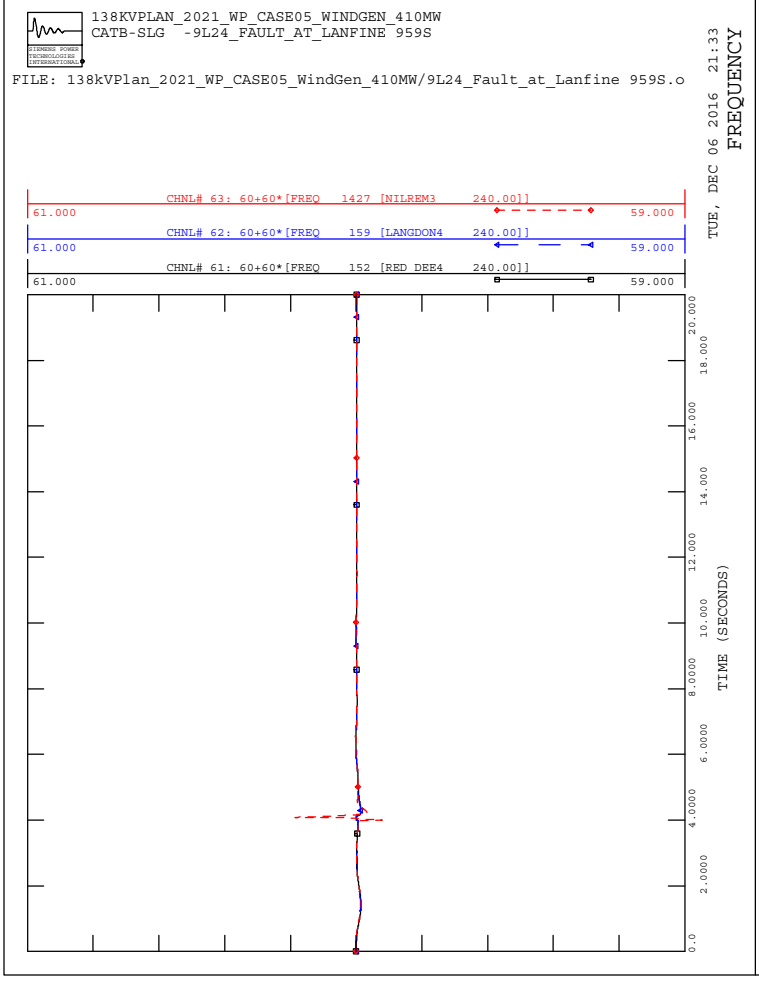

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)

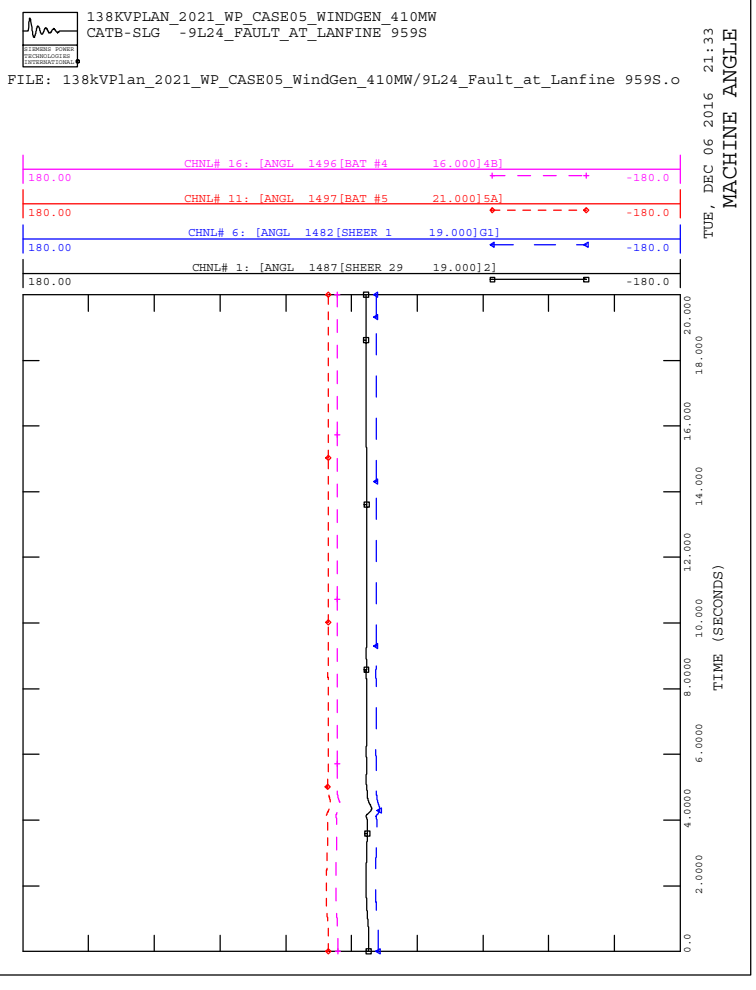

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)

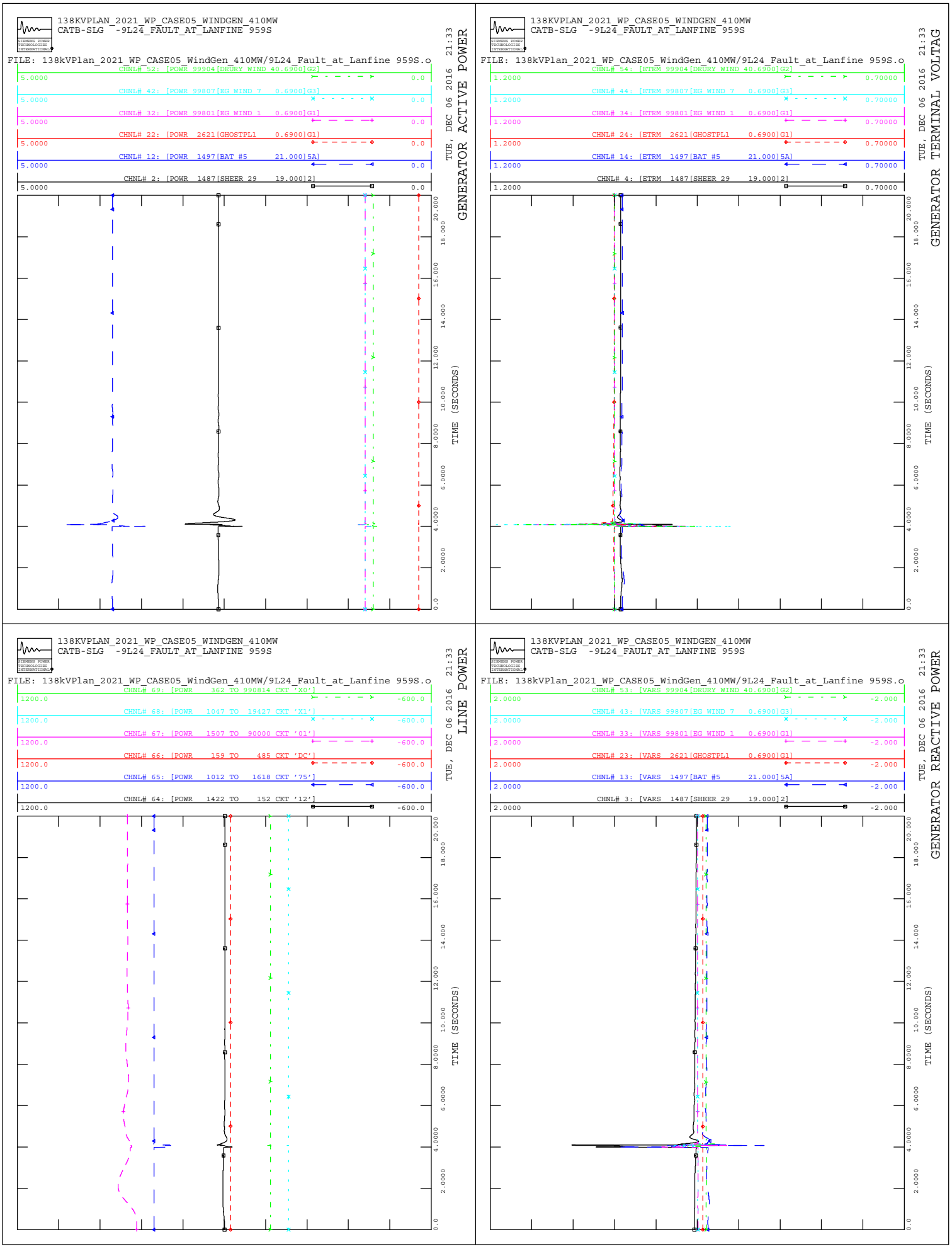

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
TUE, DEC 06 2016 21:33
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
TUE, DEC 06 2016 21:33
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
TUE, DEC 06 2016 21:33
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
TUE, DEC 06 2016 21:33
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

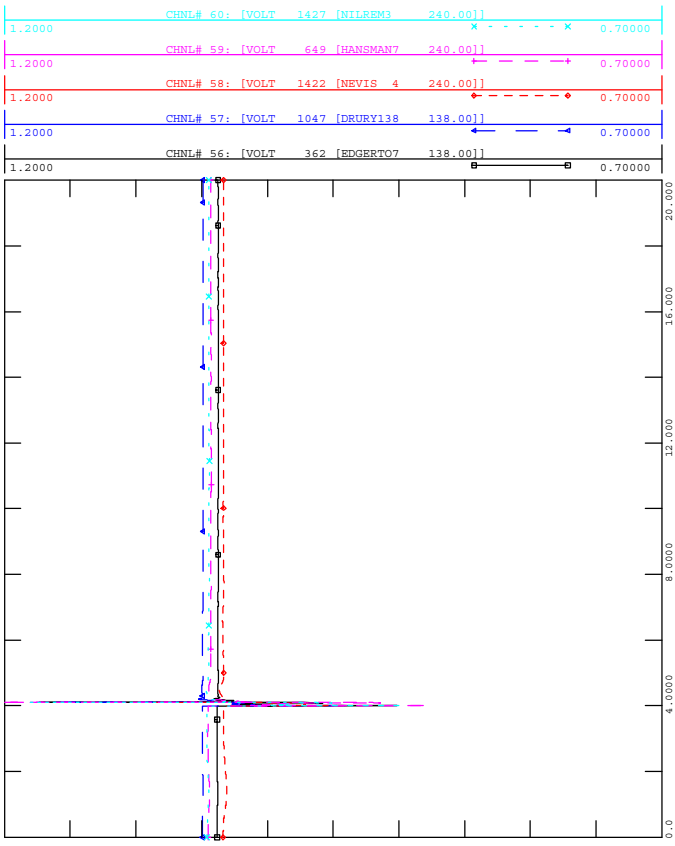

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
TUE, DEC 06 2016 21:33
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:33

BUS VOLTAGE

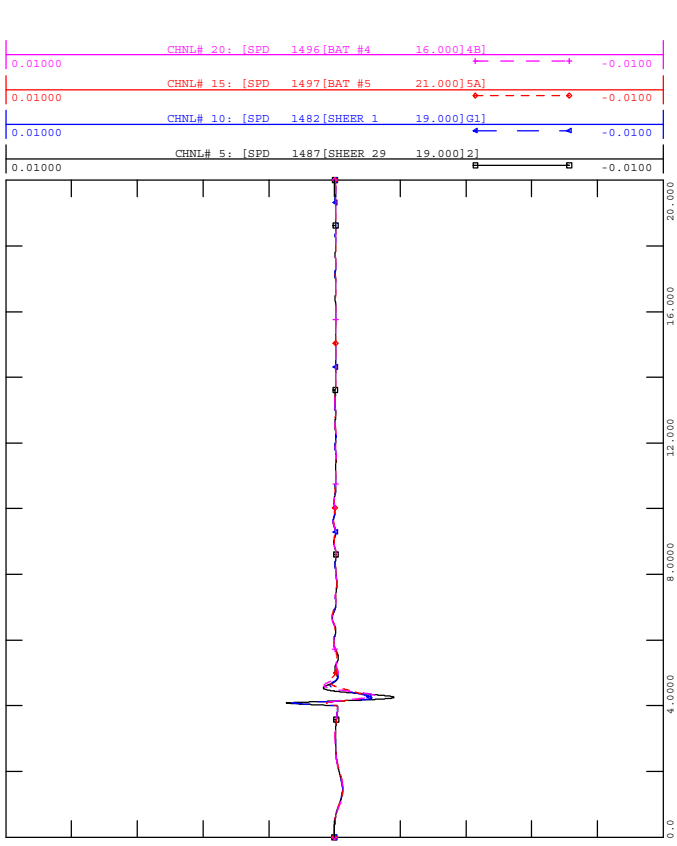


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:33

MACHINE SPEED

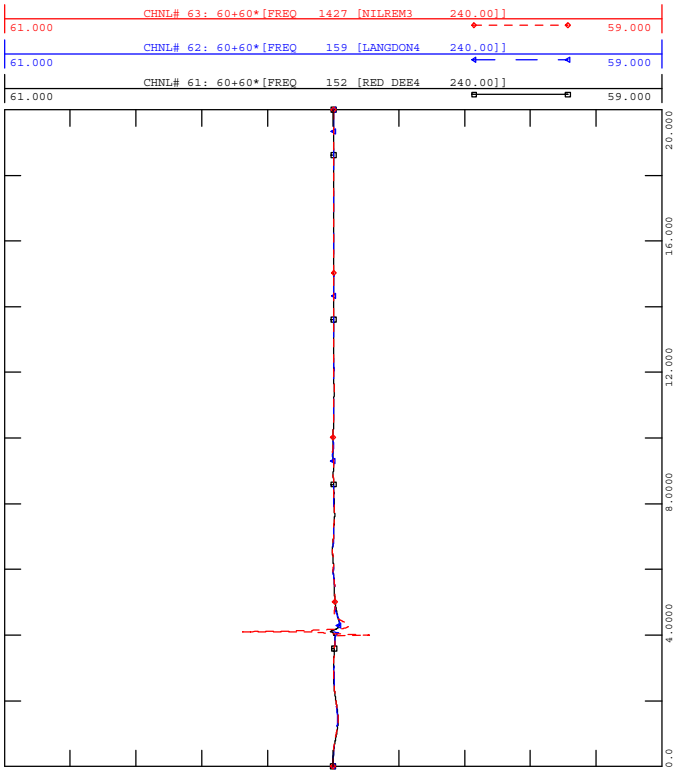


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:33

FREQUENCY

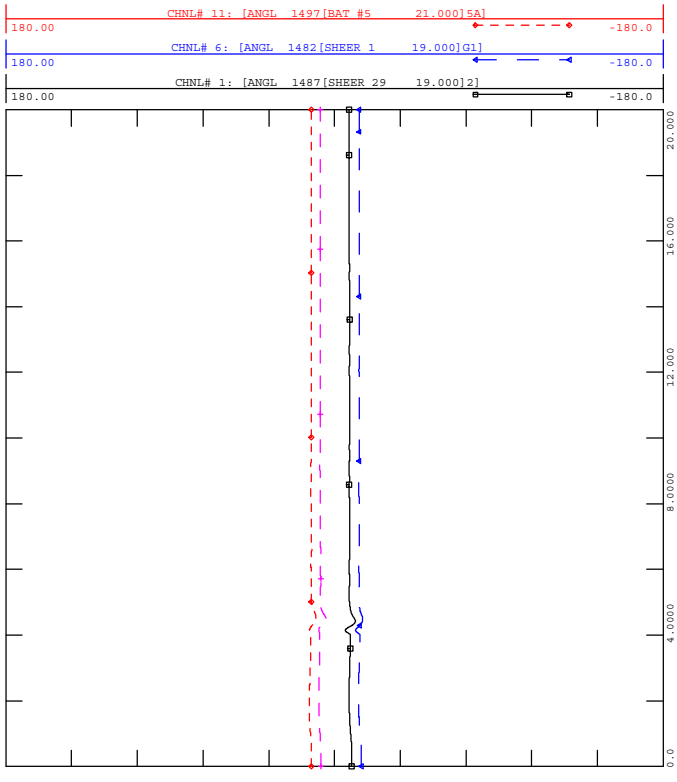


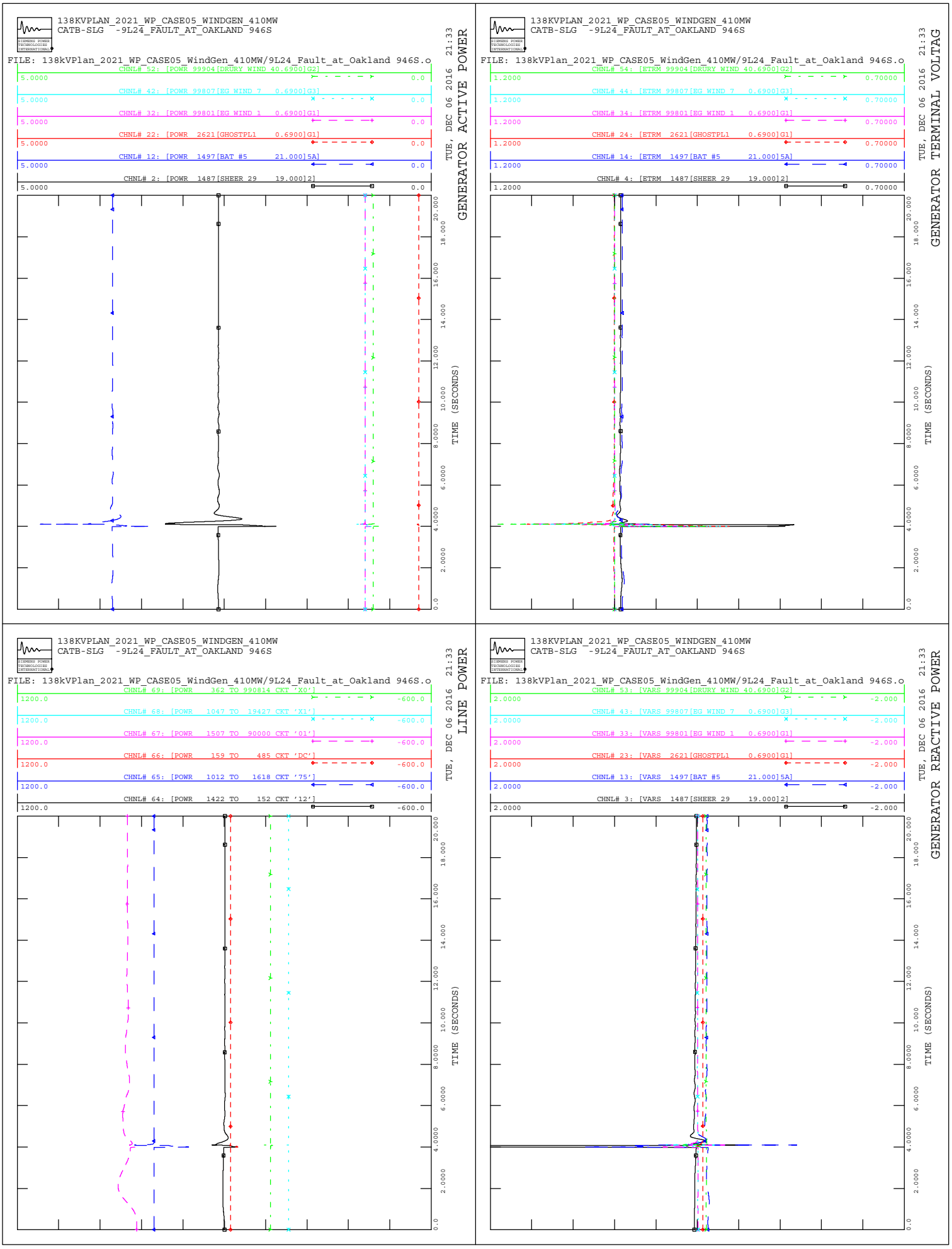
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:33

MACHINE ANGLE



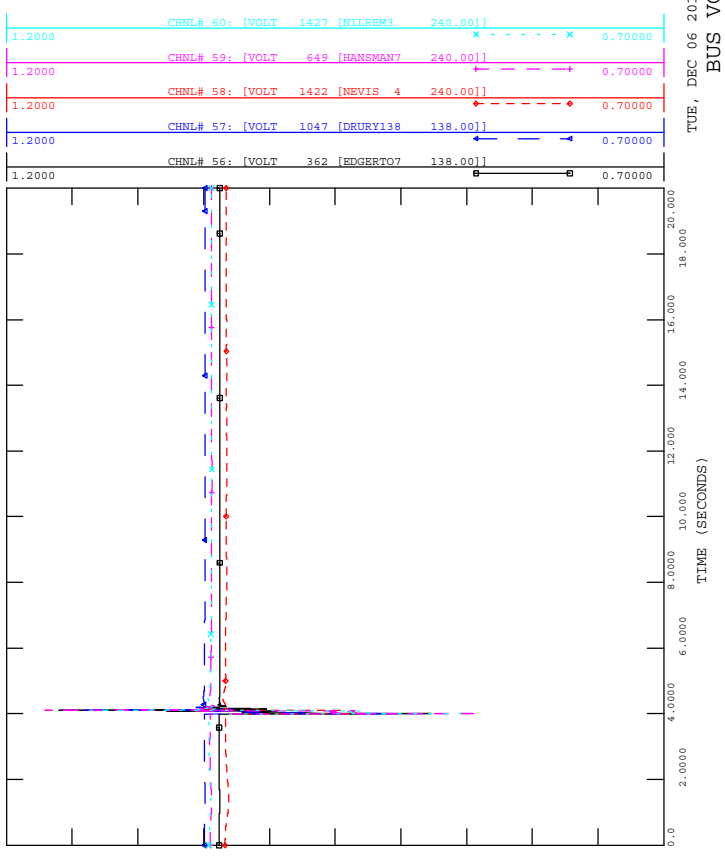

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863

TUE, DEC 06 2016 21:33

BUS VOLTAGE

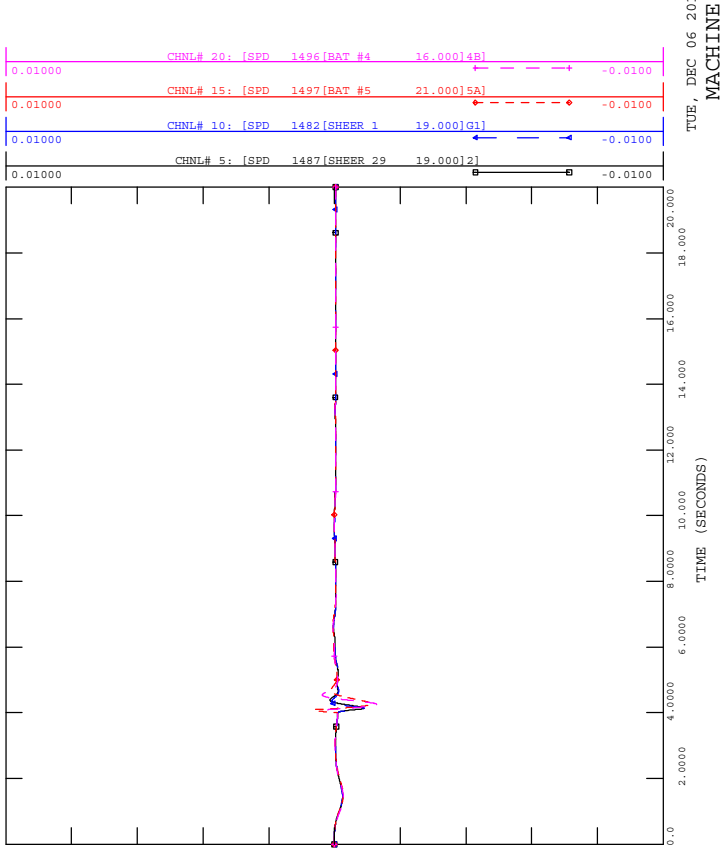


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863

TUE, DEC 06 2016 21:33

MACHINE SPEED

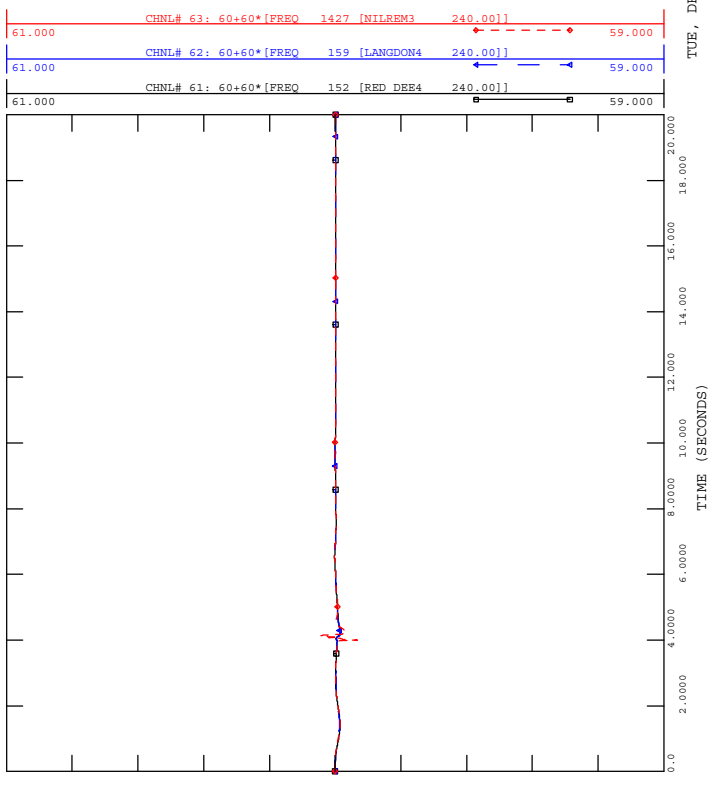


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863

TUE, DEC 06 2016 21:33

FREQUENCY

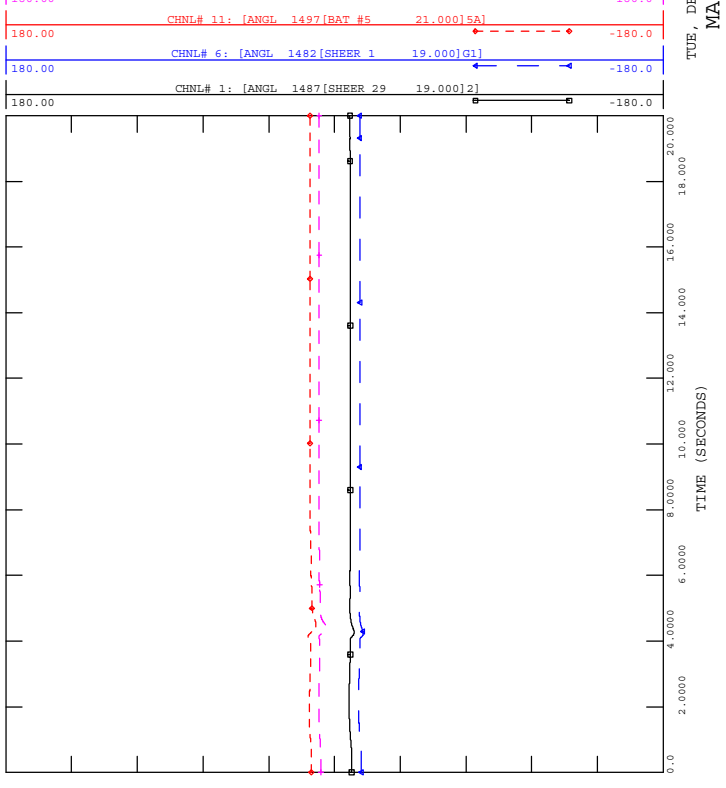


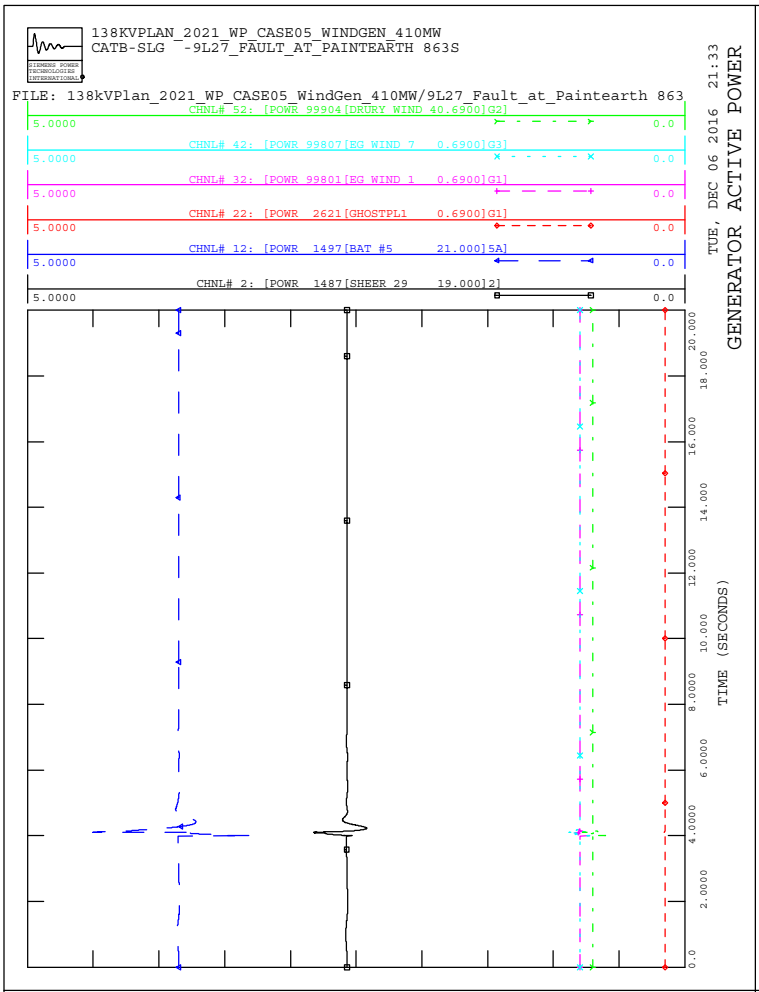
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

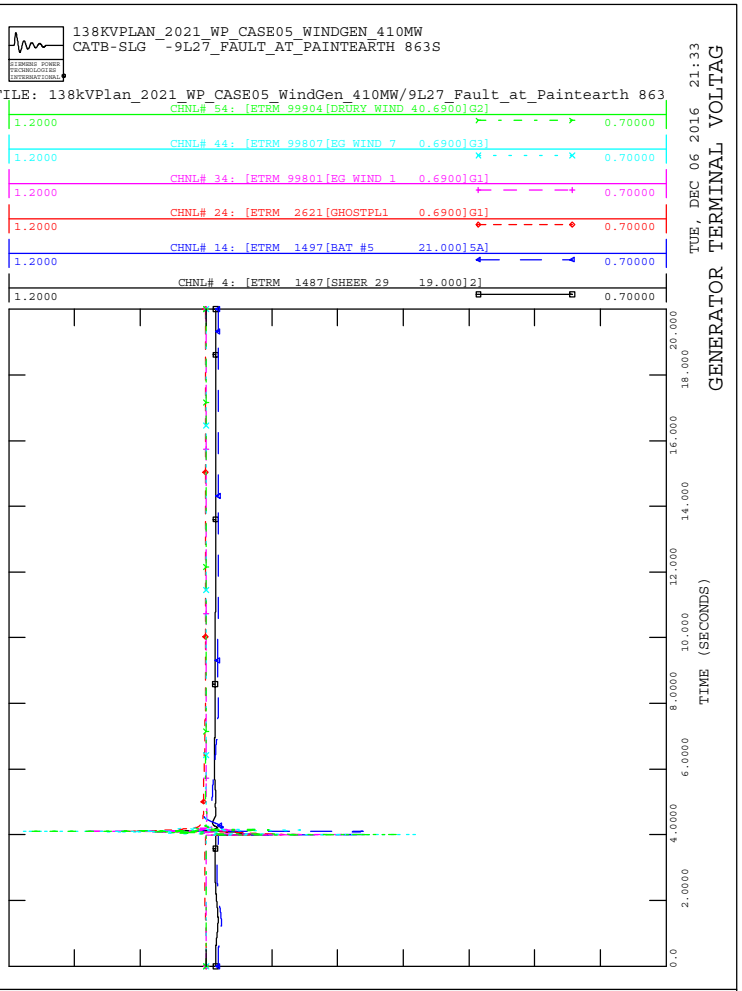
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863

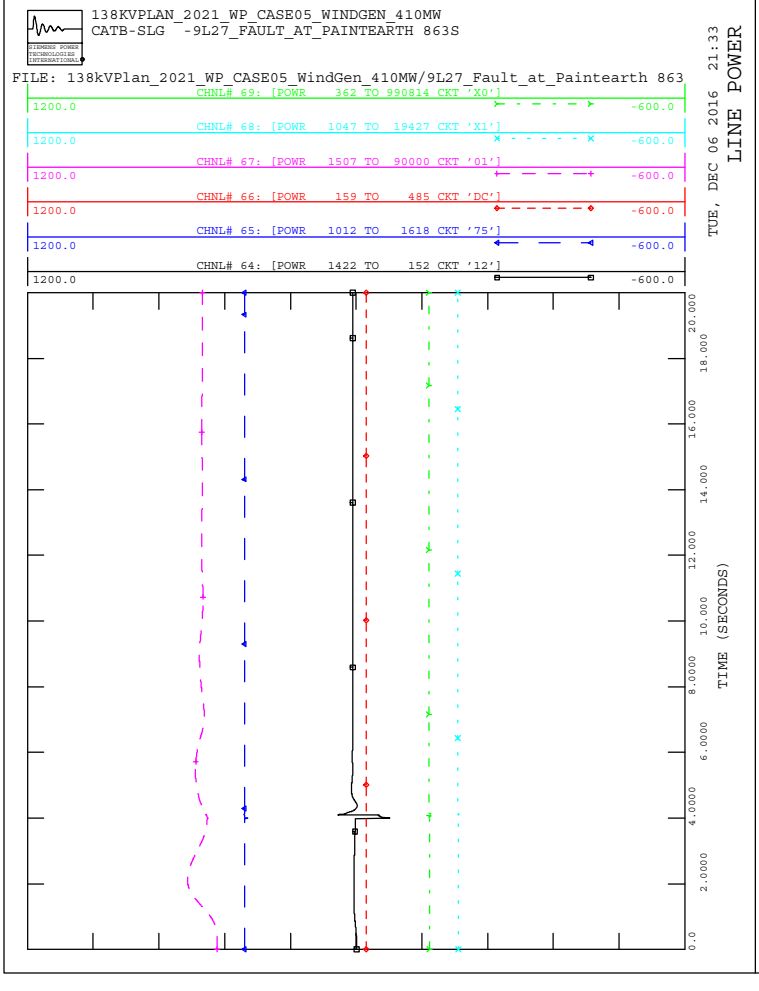
TUE, DEC 06 2016 21:33

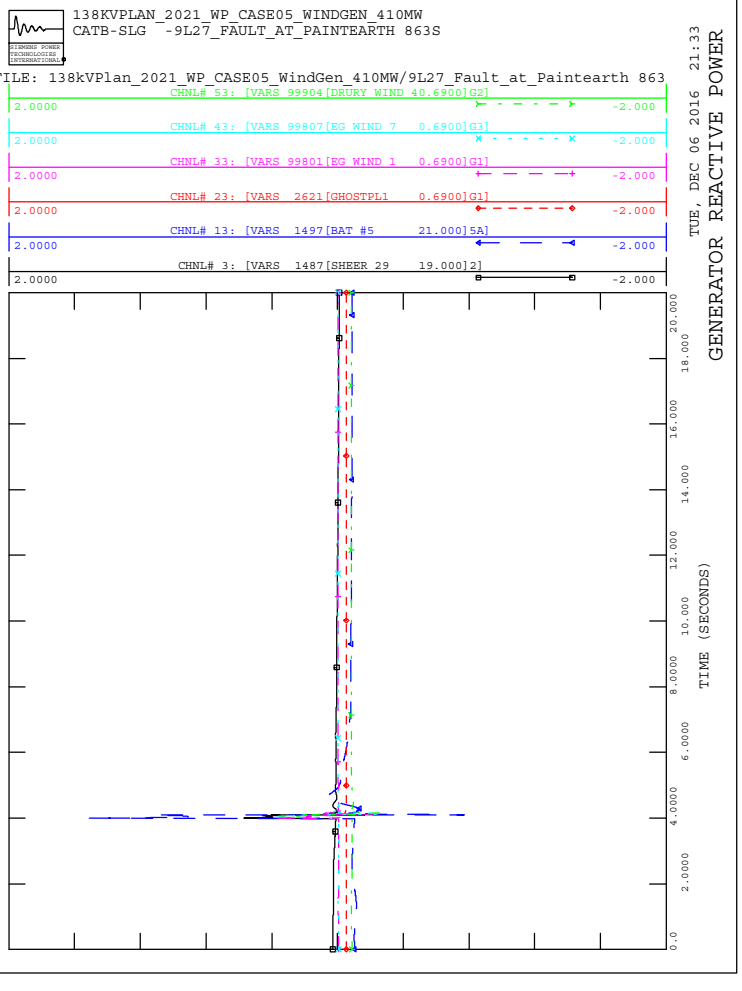
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

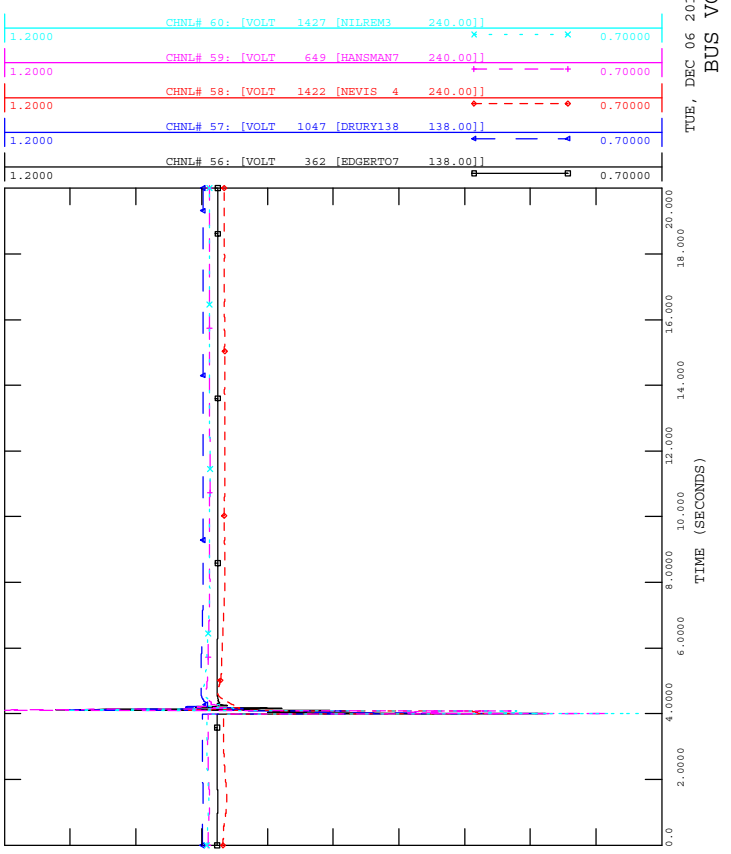

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Paintearth 863
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

BUS VOLTAGE



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CATB-SLG -9L27_FAULT_AT_CORDEL 755S

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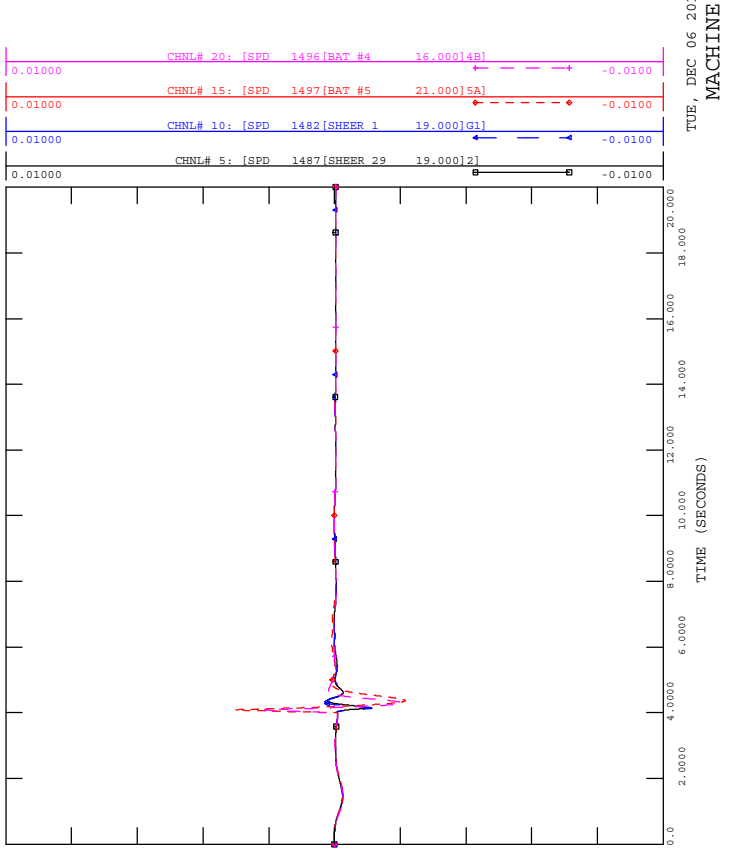
TUE, DEC 06 2016 21:33

MACHINE SPEED



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CATB-SLG -9L27_FAULT_AT_CORDEL 755S

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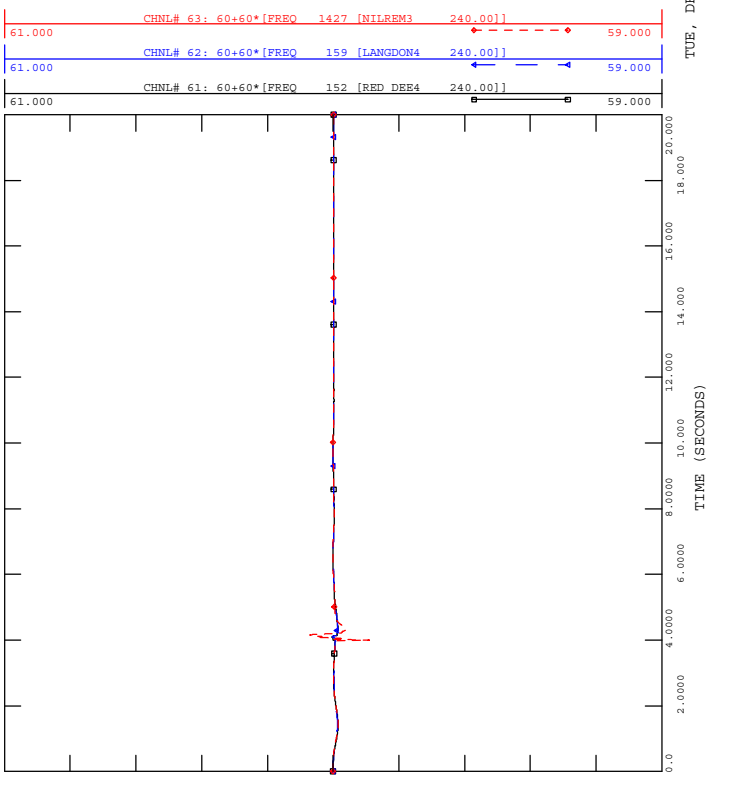
TUE, DEC 06 2016 21:33

FREQUENCY



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CATB-SLG -9L27_FAULT_AT_CORDEL 755S

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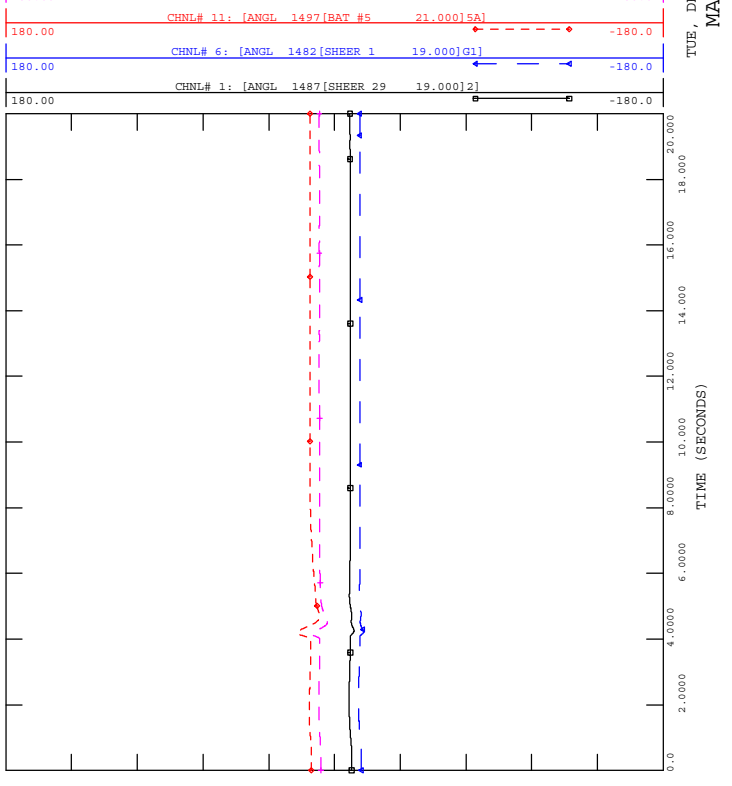
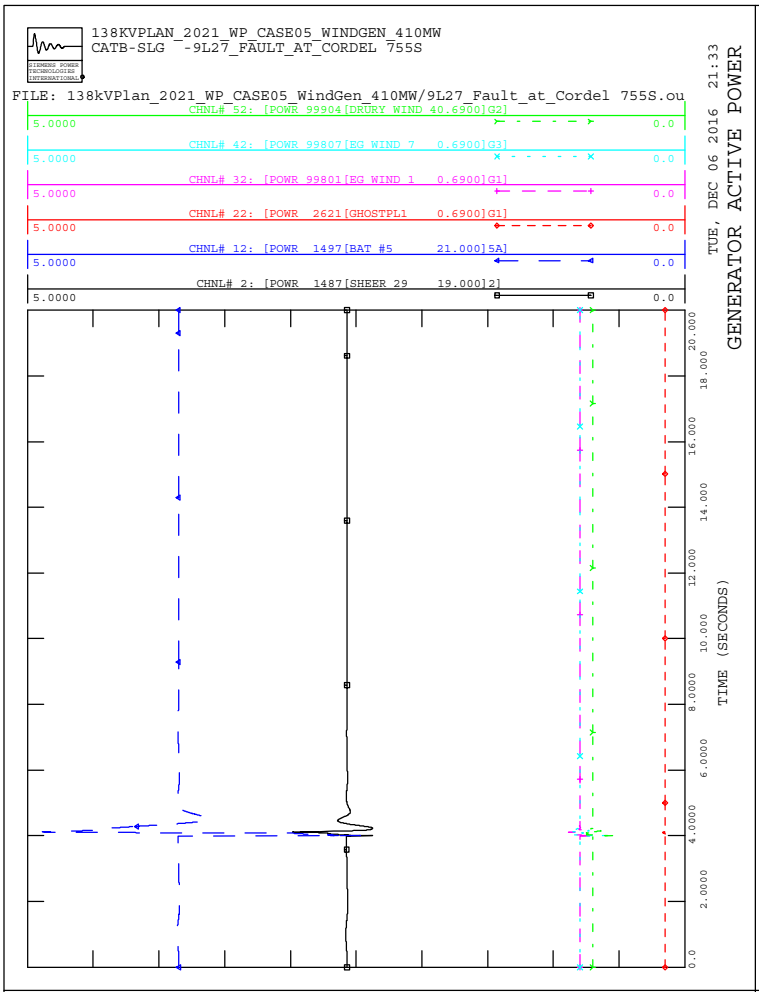
TUE, DEC 06 2016 21:33

MACHINE ANGLE

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CATB-SLG -9L27_FAULT_AT_CORDEL 755S
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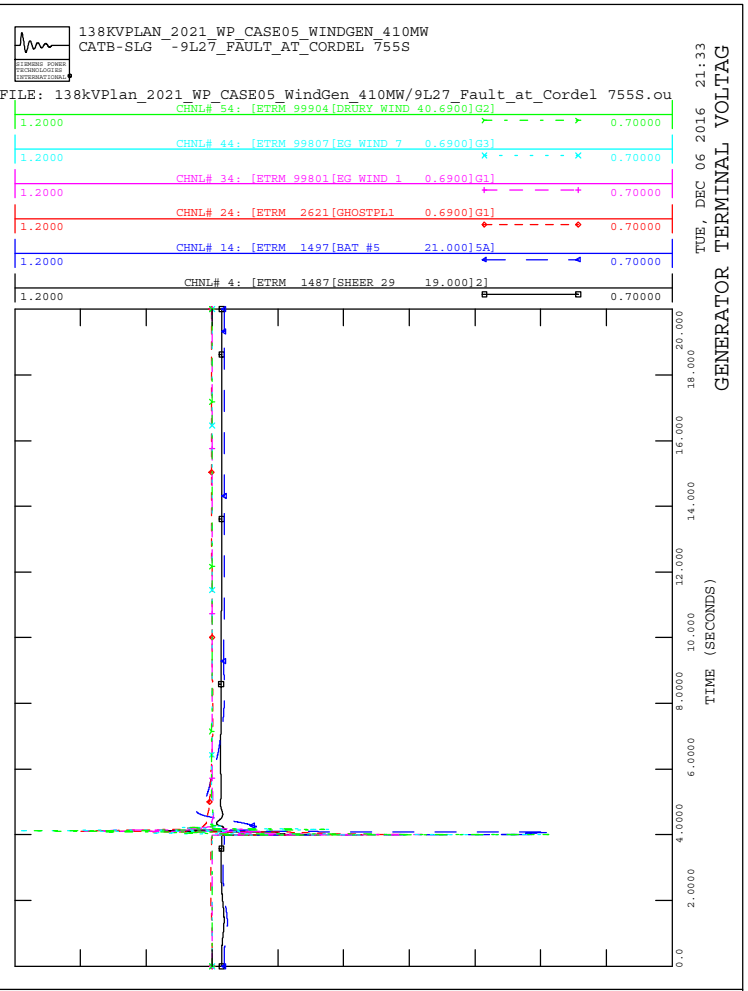
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)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CATB-SLG -9L27_FAULT_AT_CORDEL 755S
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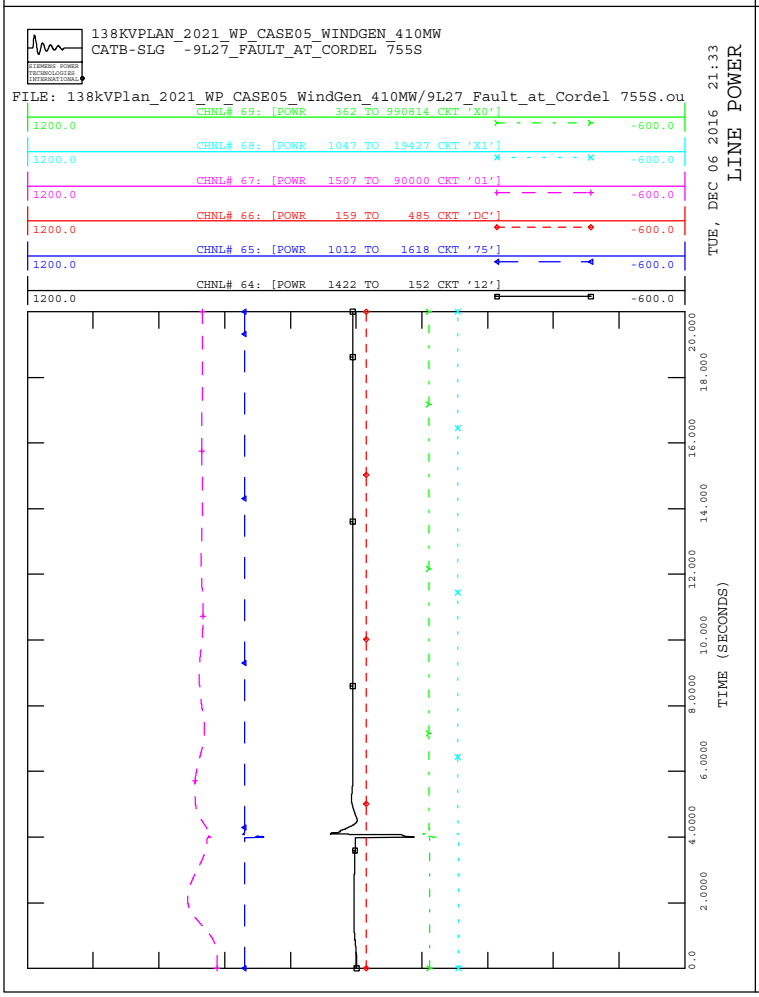
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)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CATB-SLG -9L27_FAULT_AT_CORDEL 755S
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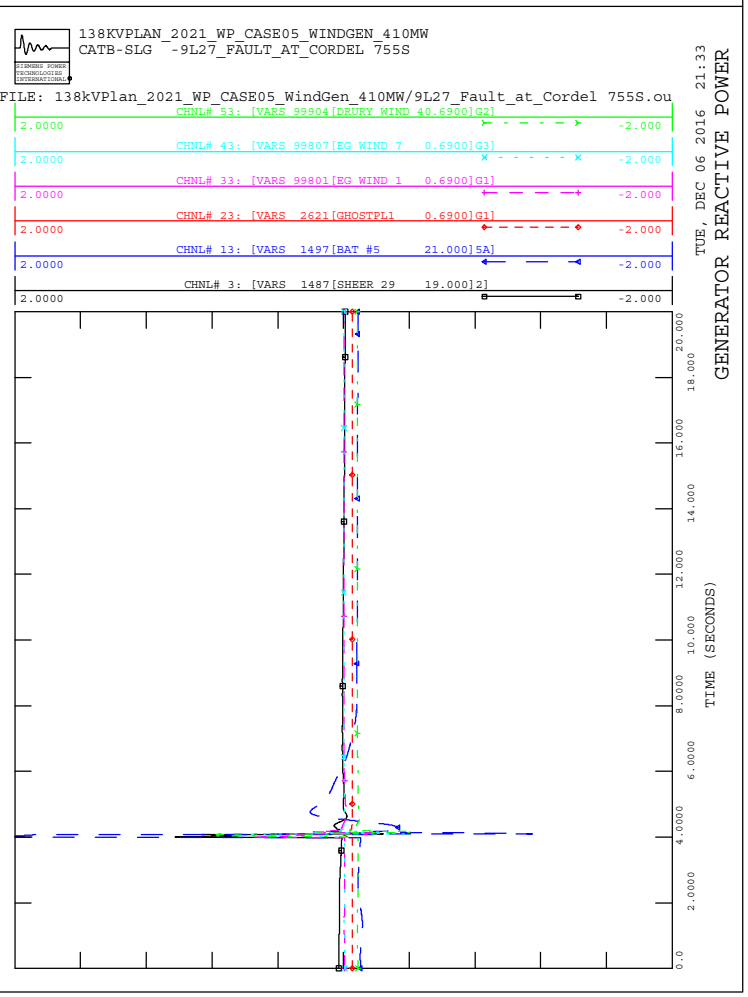
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)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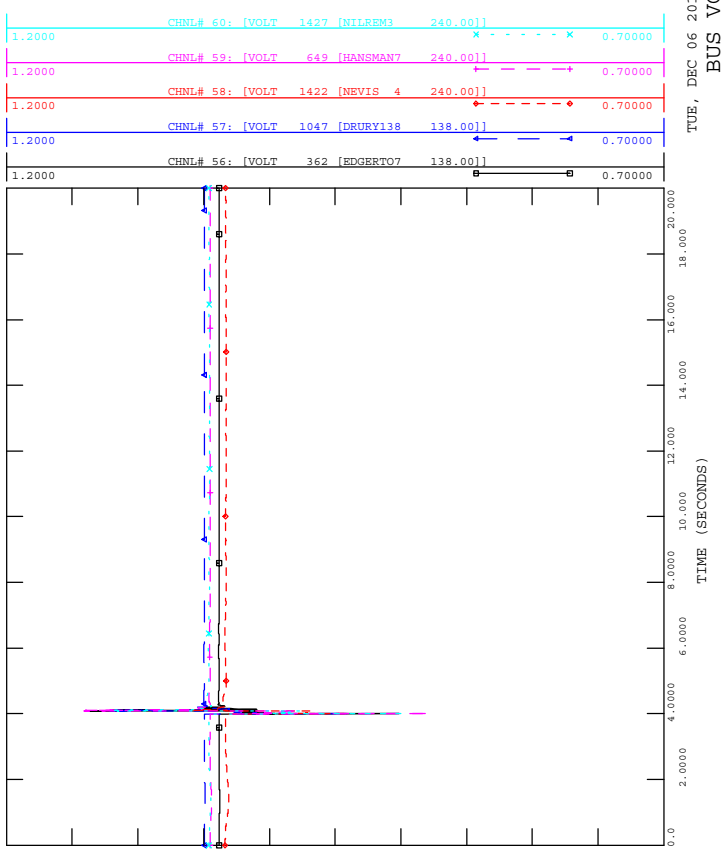
CATB-SLG -9L27_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:33

BUS VOLTAGE

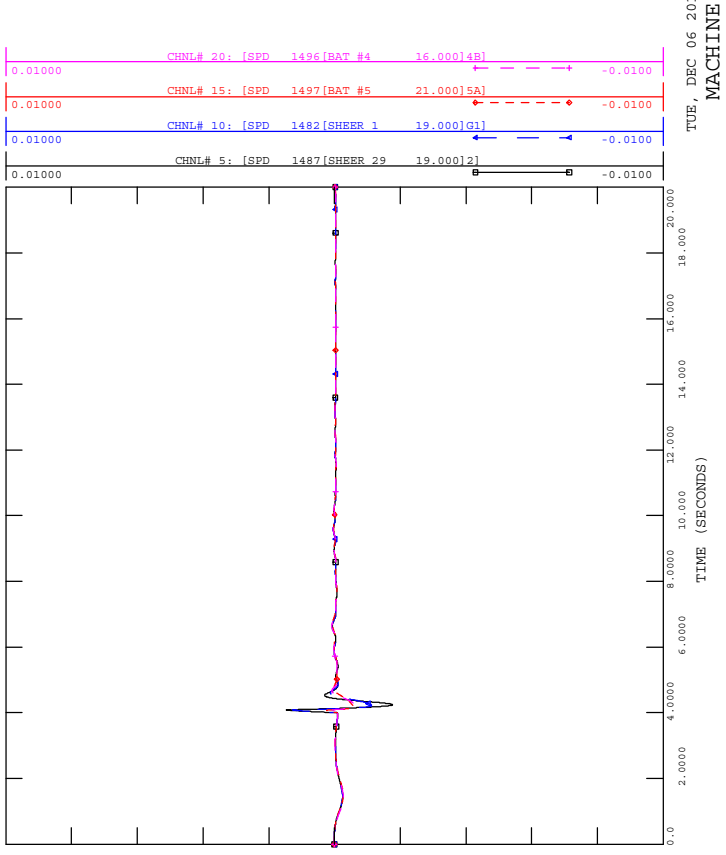


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:33

MACHINE SPEED

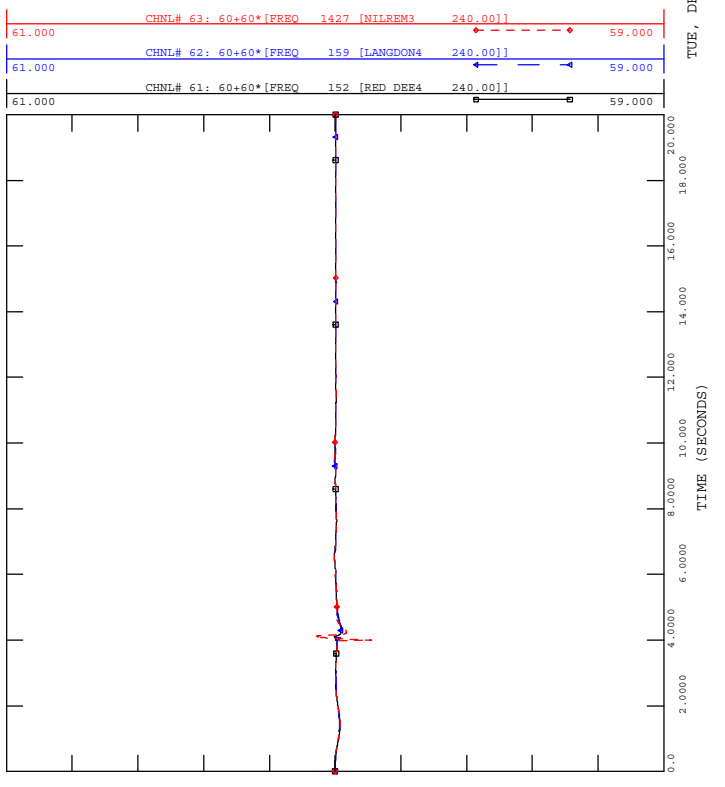


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:33

FREQUENCY

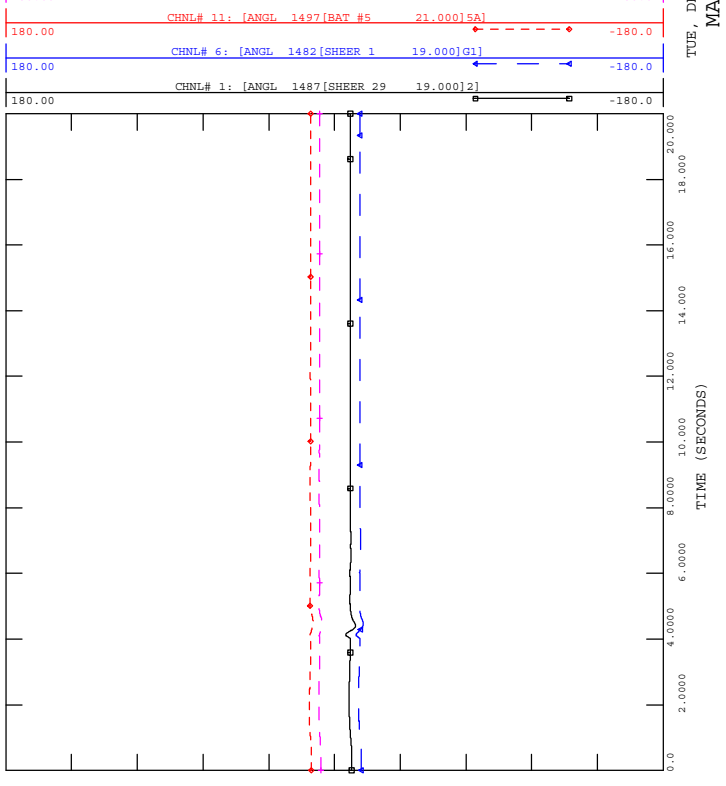


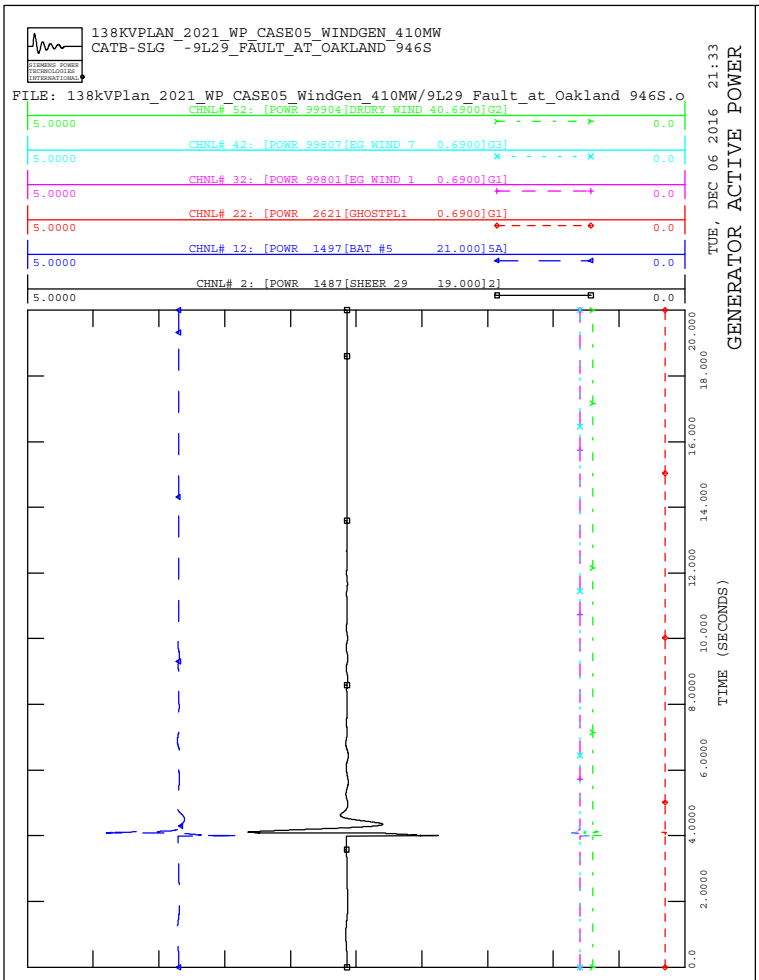
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

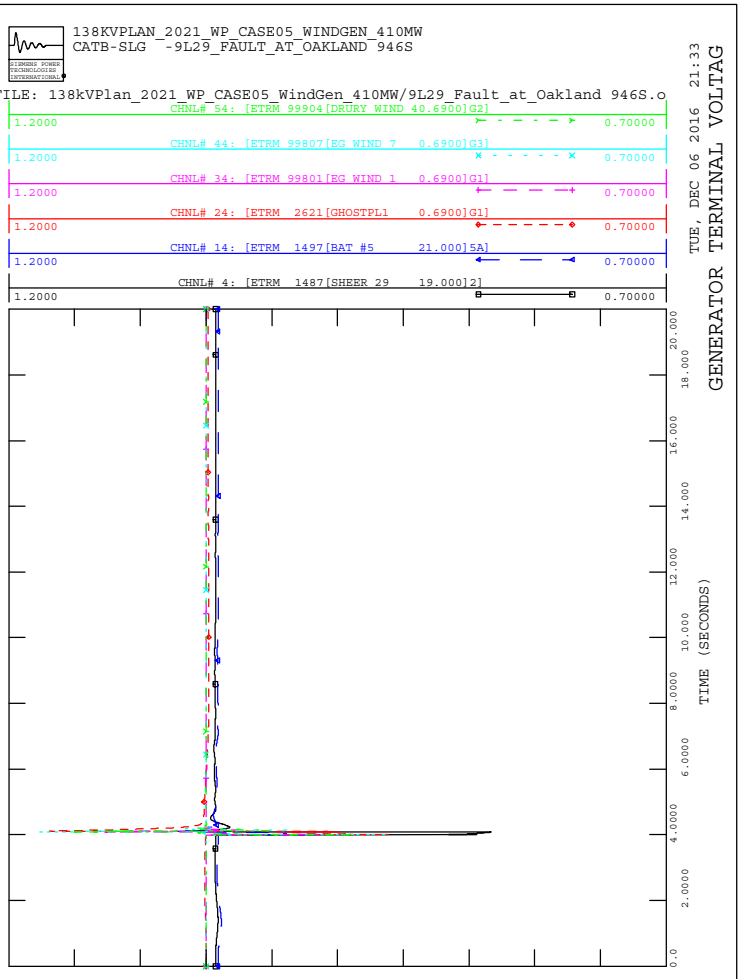
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:33

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
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12.000
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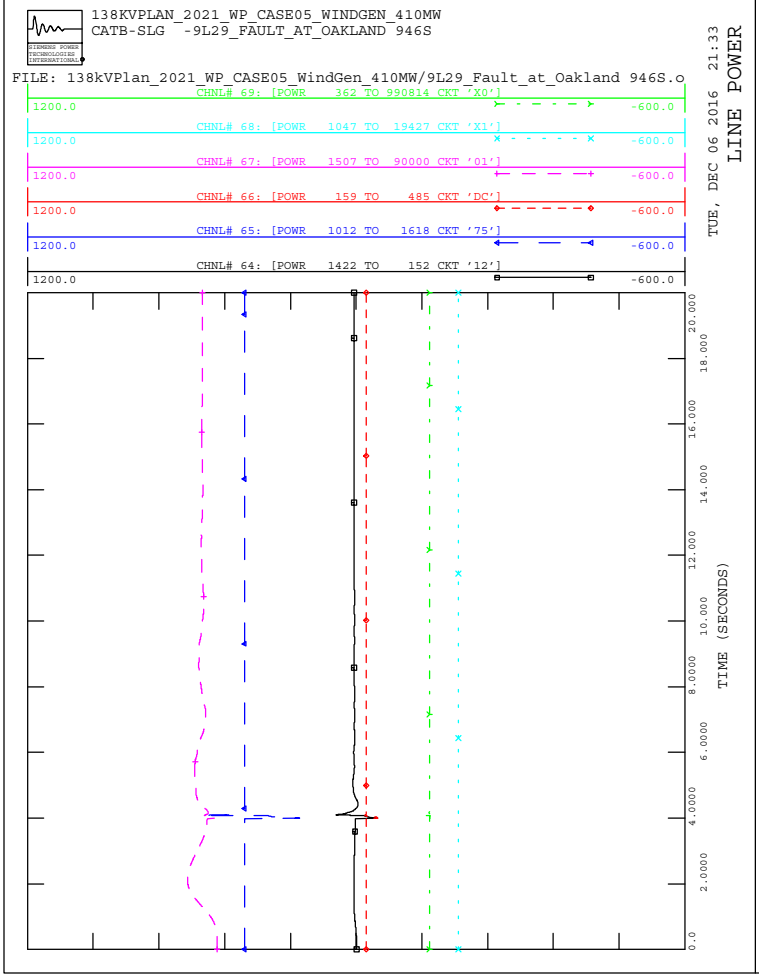
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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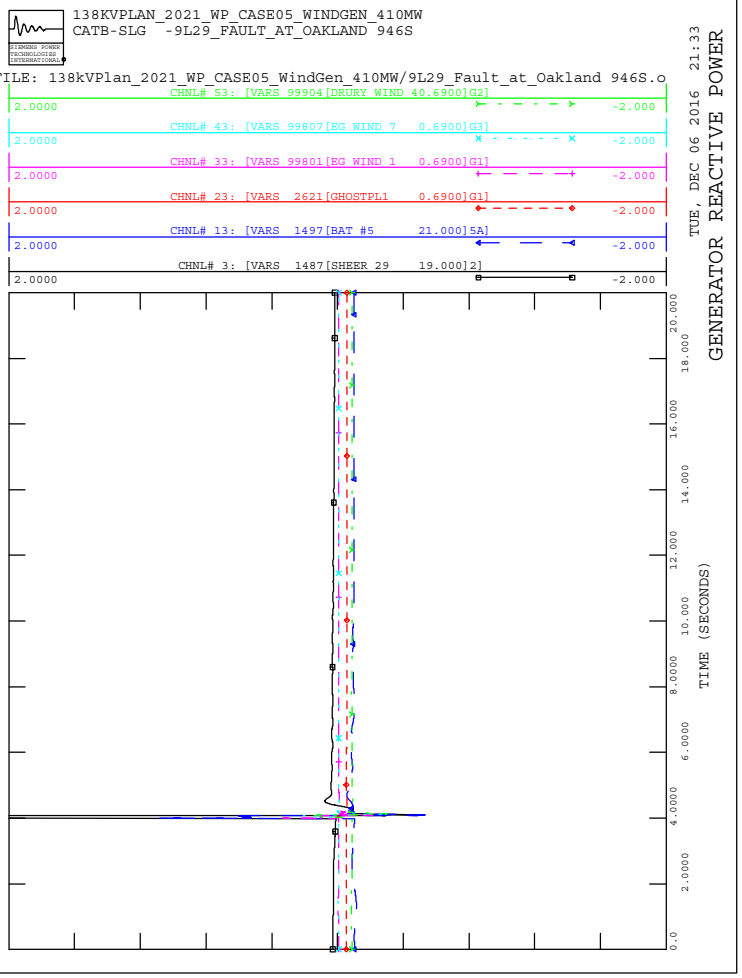
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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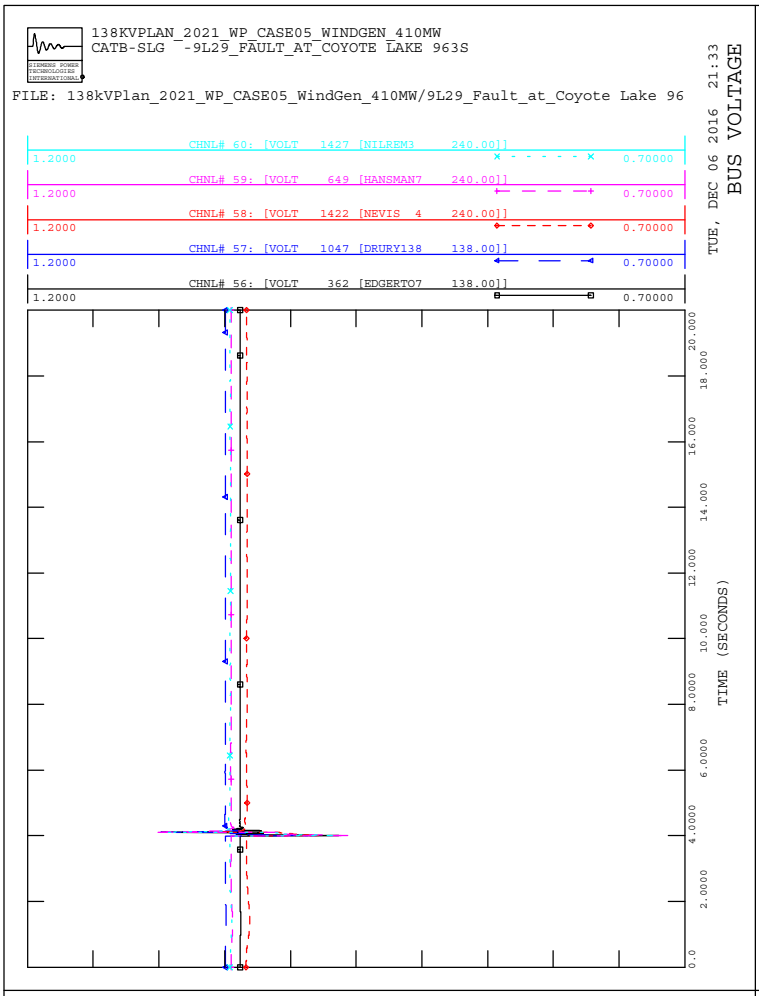
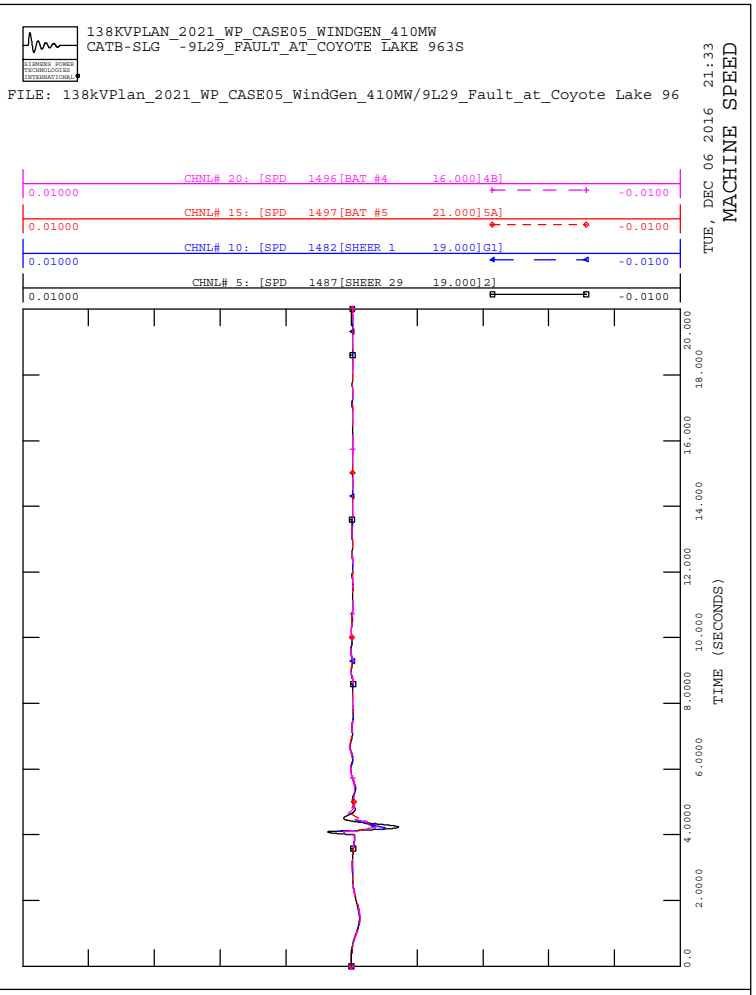
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
TUE, DEC 06 2016 21:33
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
TUE, DEC 06 2016 21:33
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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12.000
14.000
16.000
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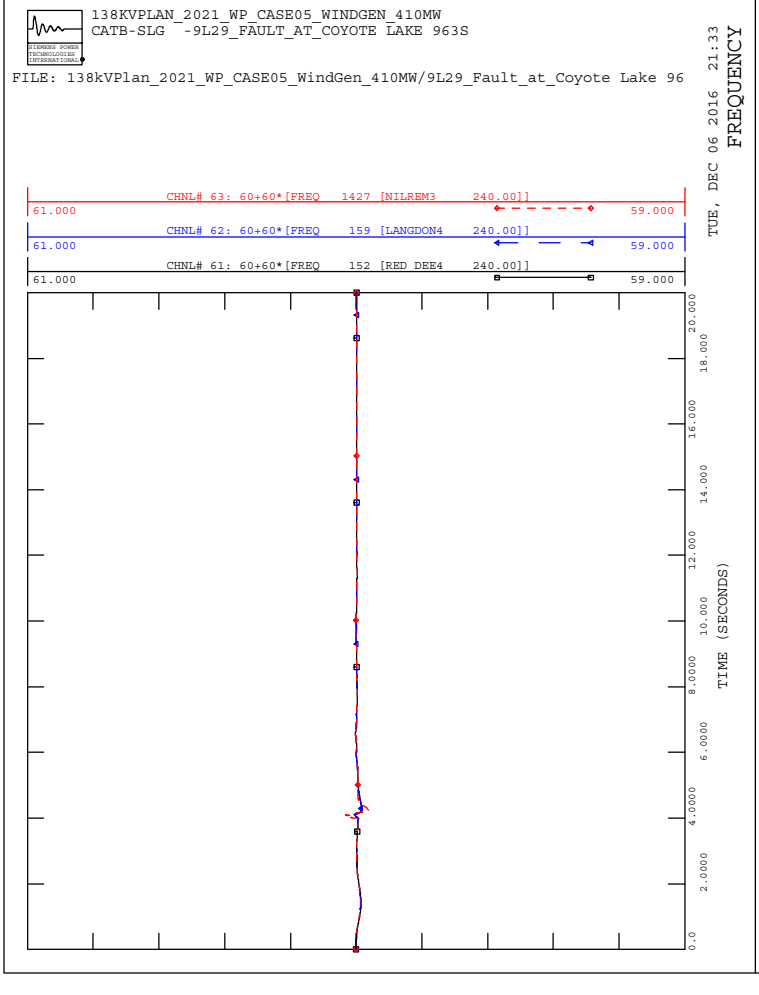
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
TUE, DEC 06 2016 21:33
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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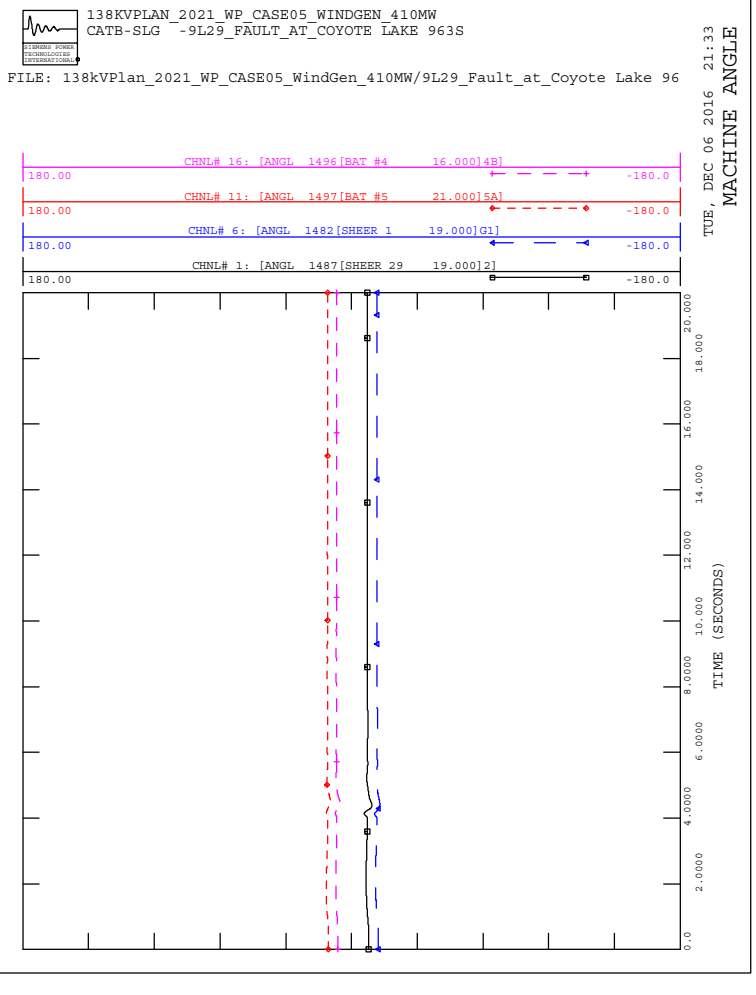
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
TUE, DEC 06 2016 21:33
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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4.0000
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10.000
12.000
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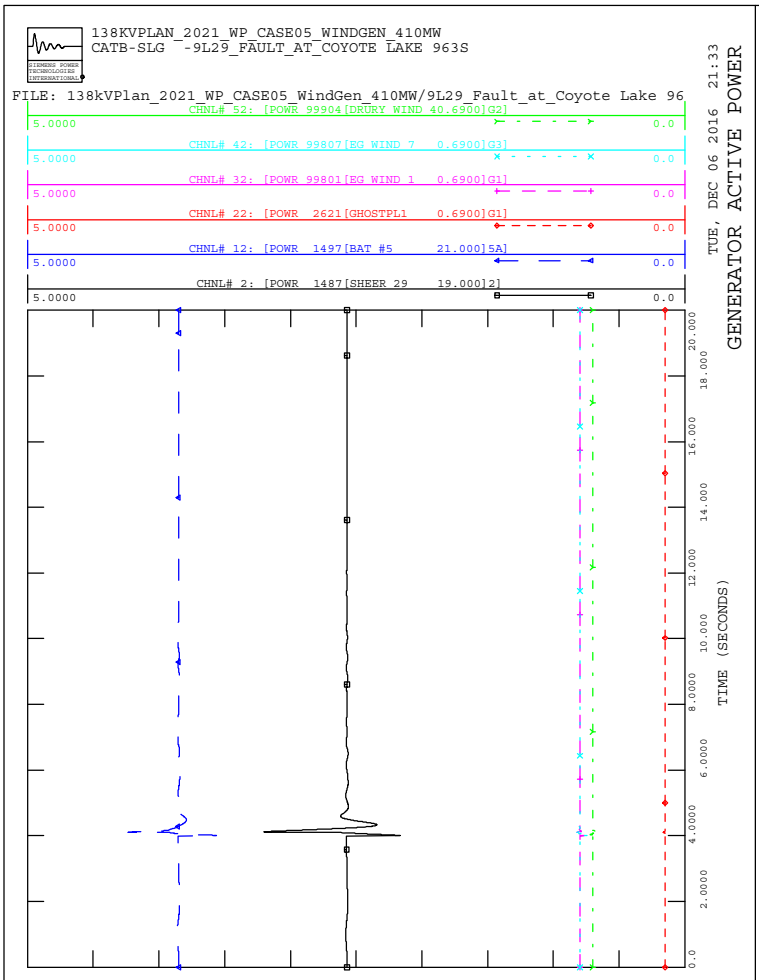
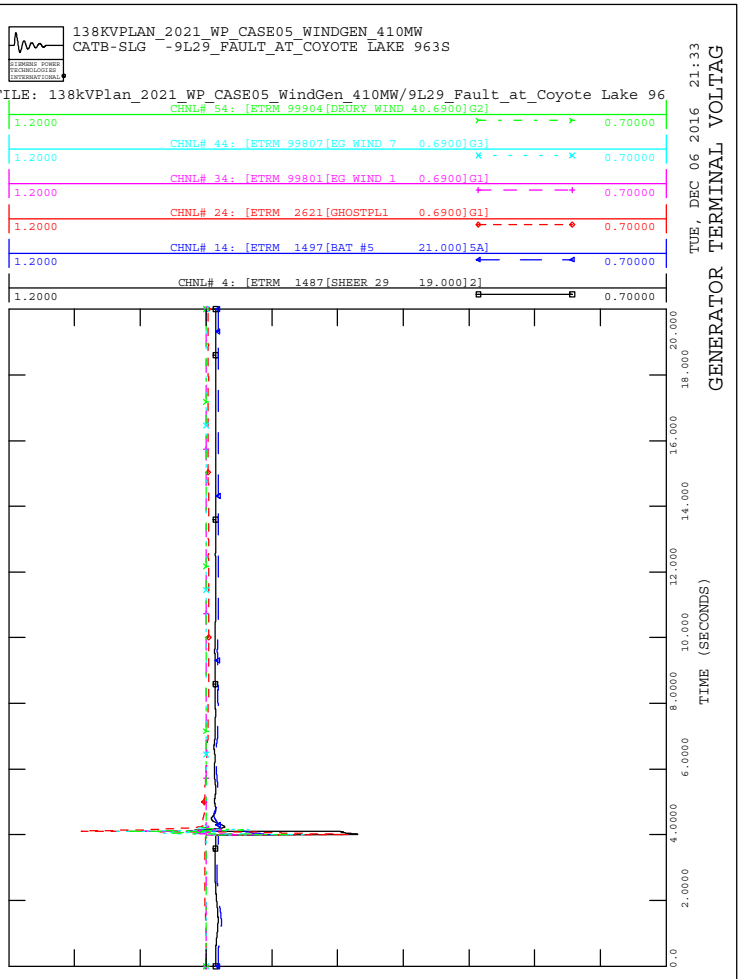
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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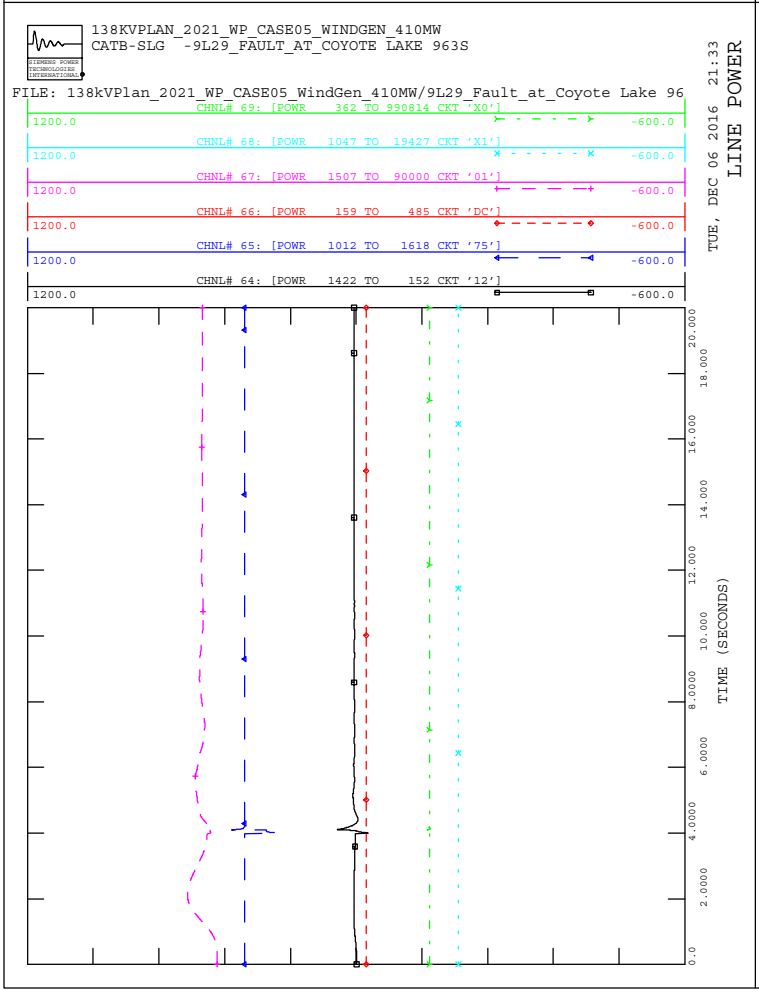
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)
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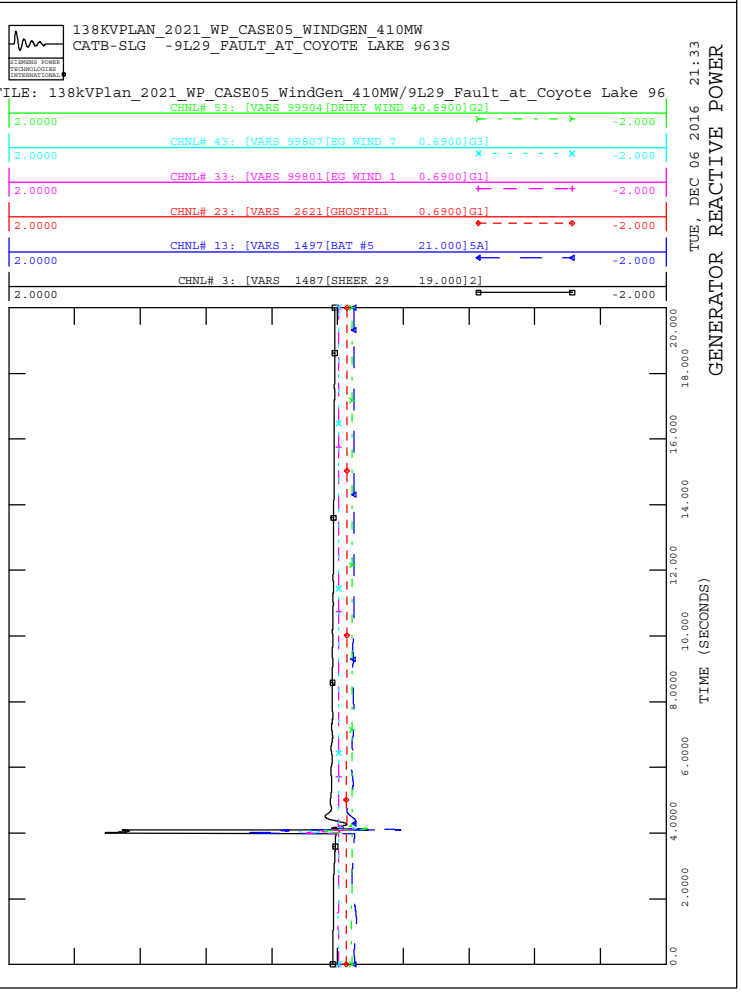
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

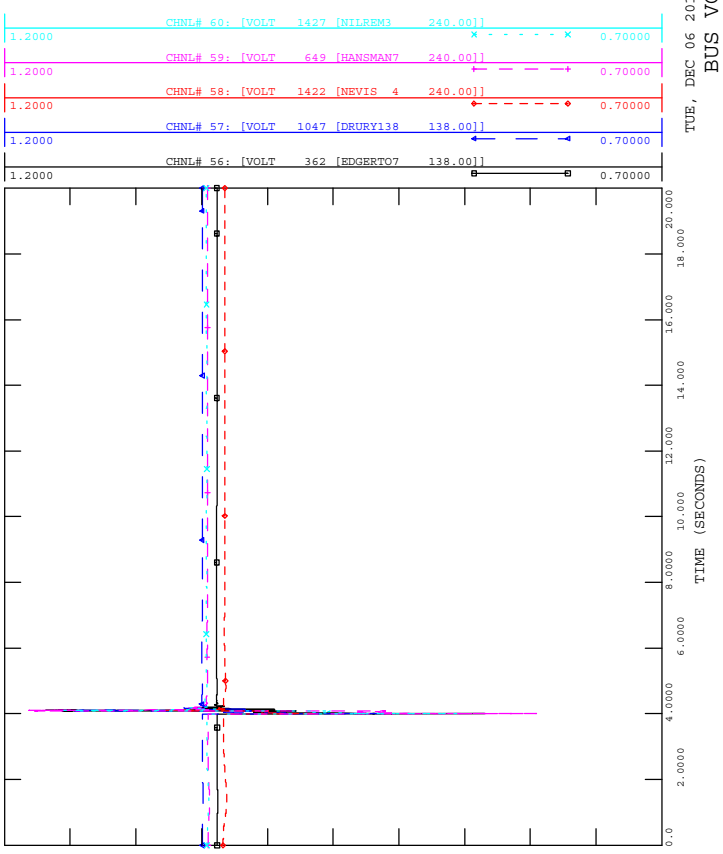

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L29_Fault_at_Coyote Lake 96
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:33

BUS VOLTAGE

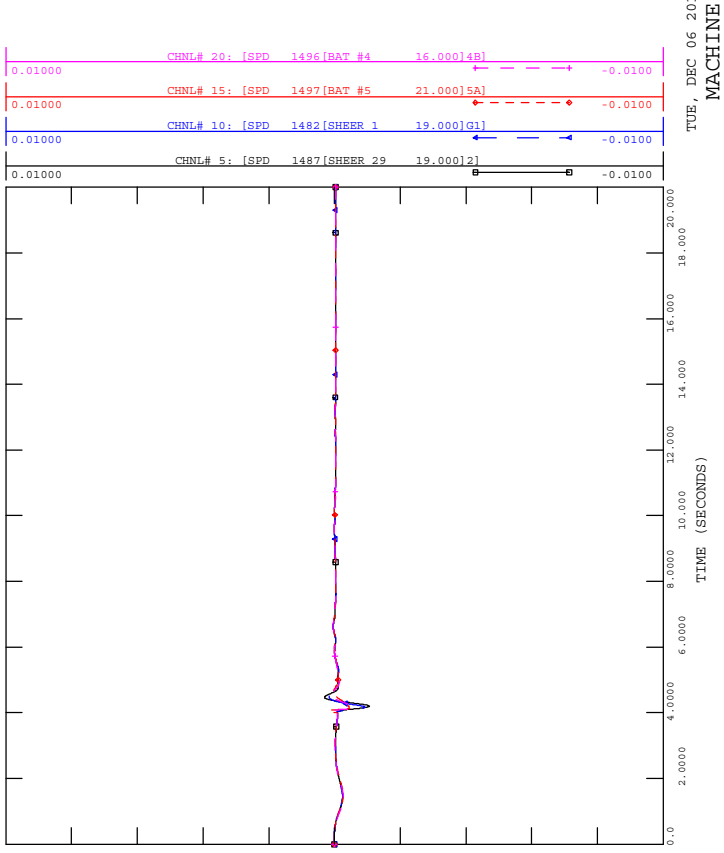


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:33

MACHINE SPEED

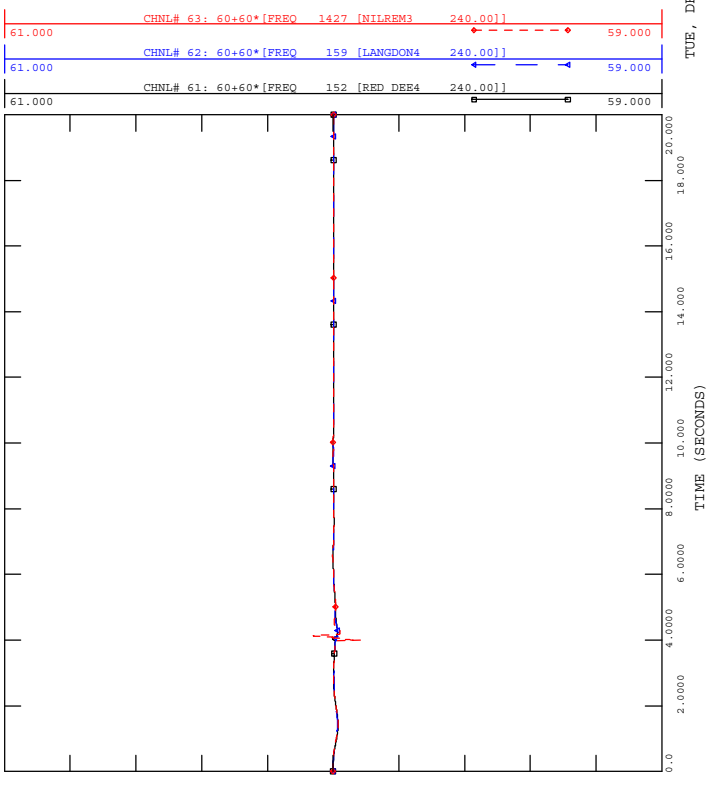


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:33

FREQUENCY

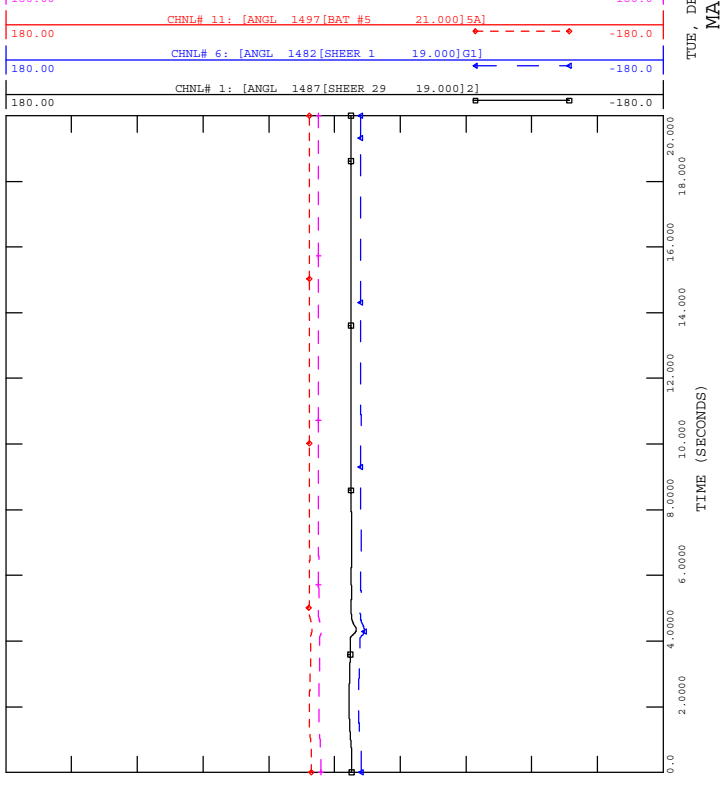


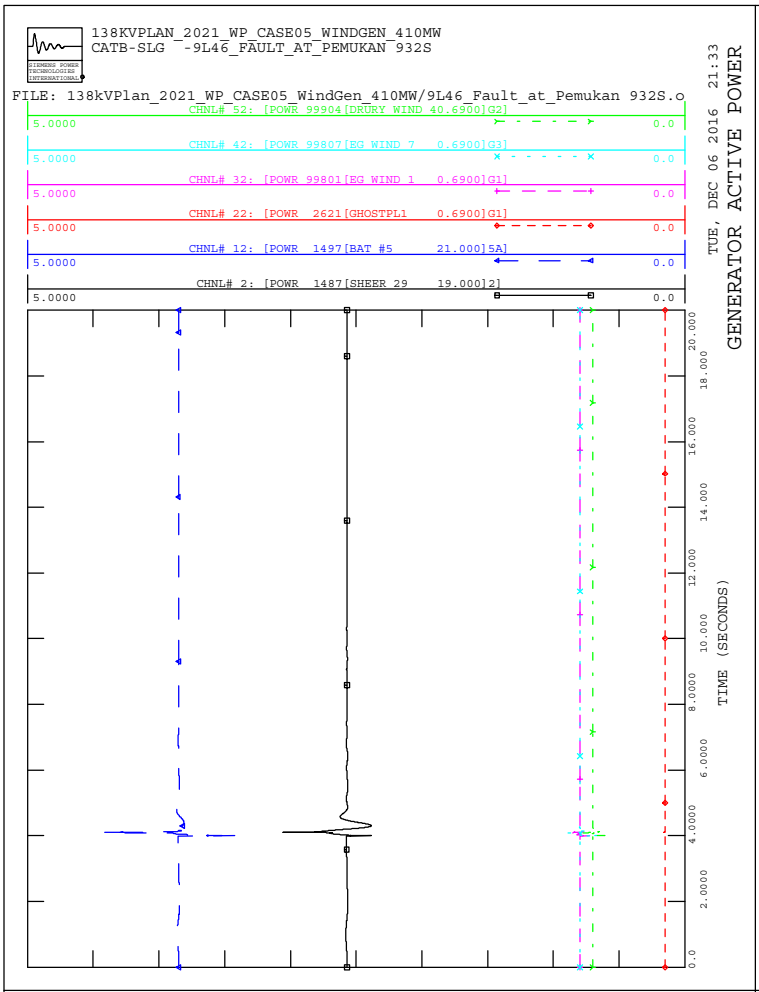
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

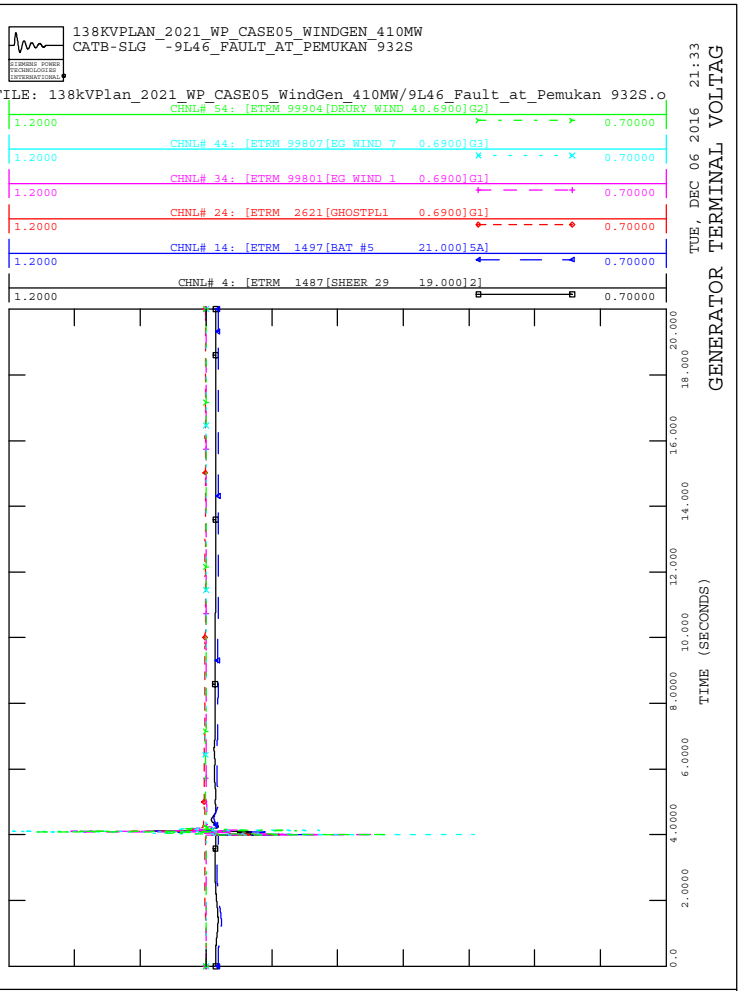
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o

TUE, DEC 06 2016 21:33

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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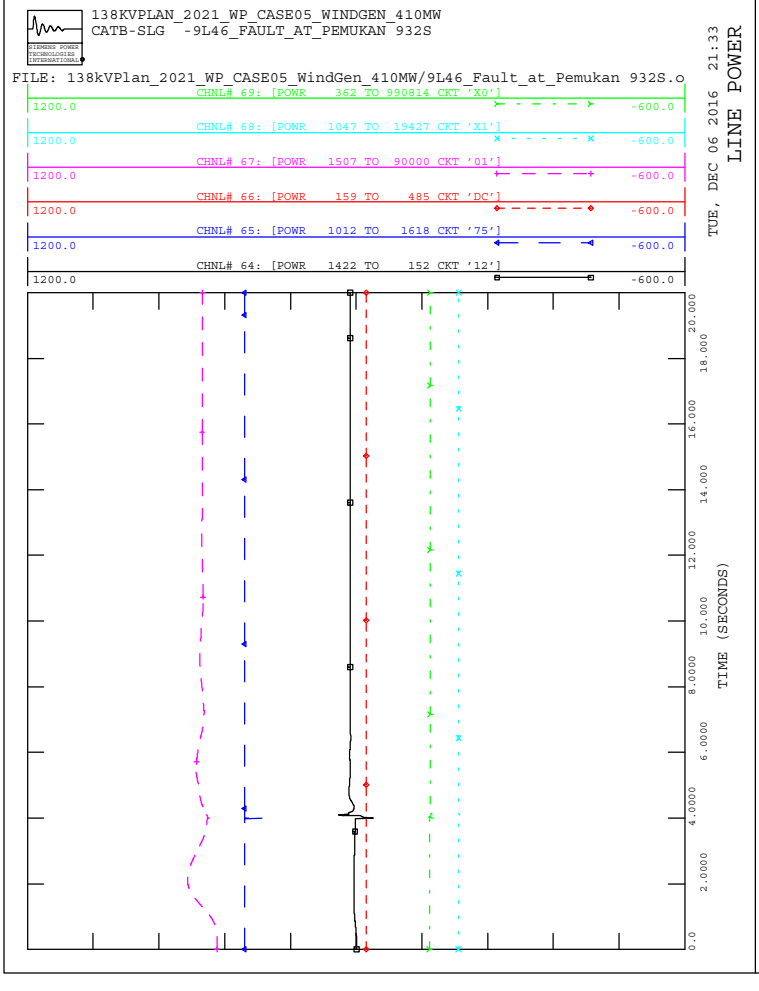
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
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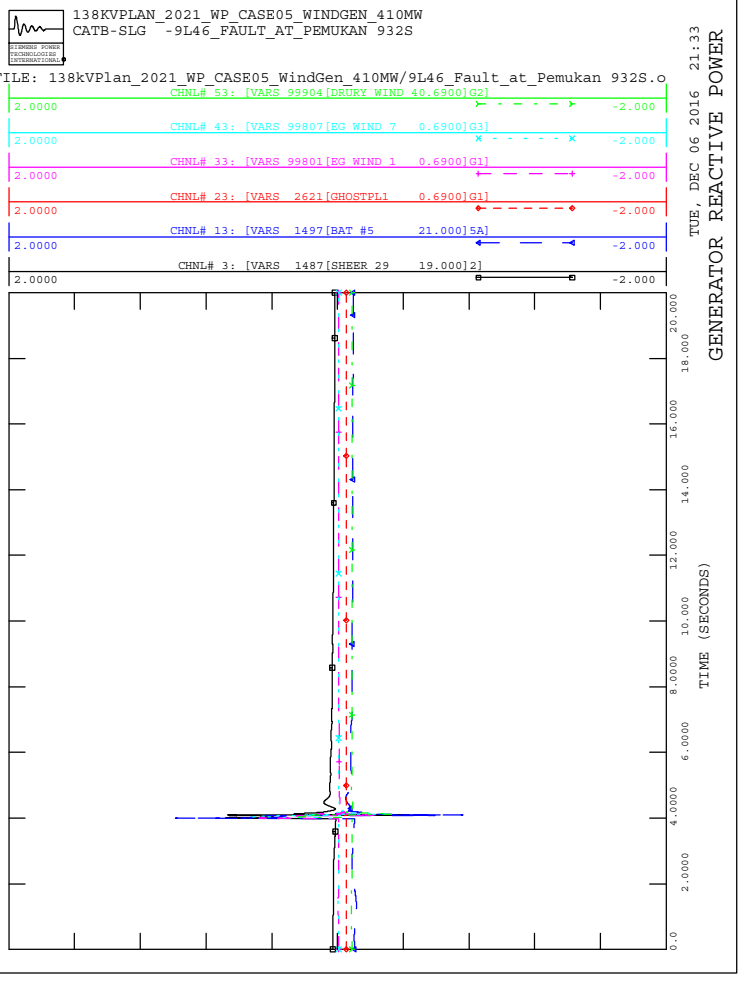
14.000
16.000
18.000
20.000

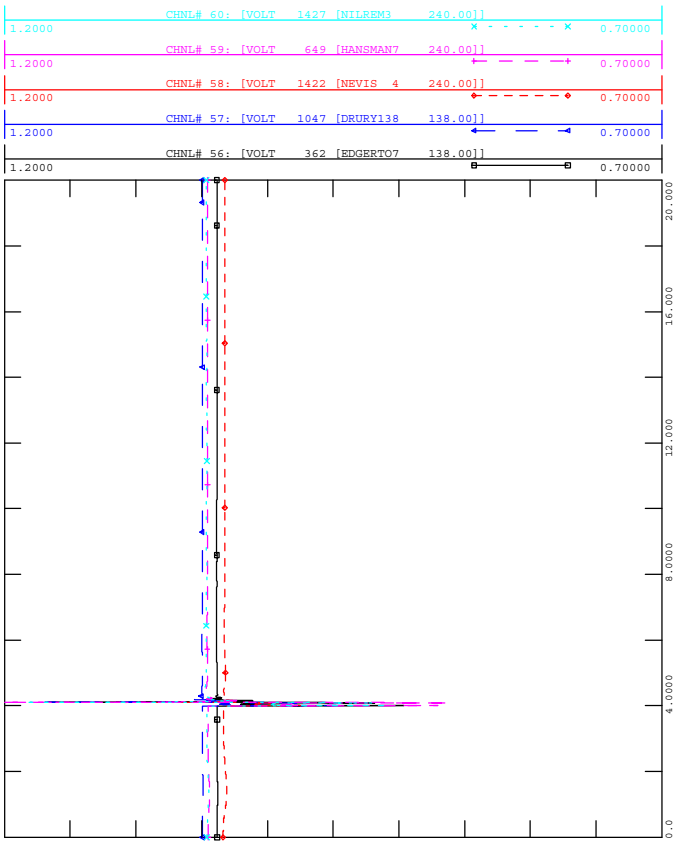

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:33

BUS VOLTAGE

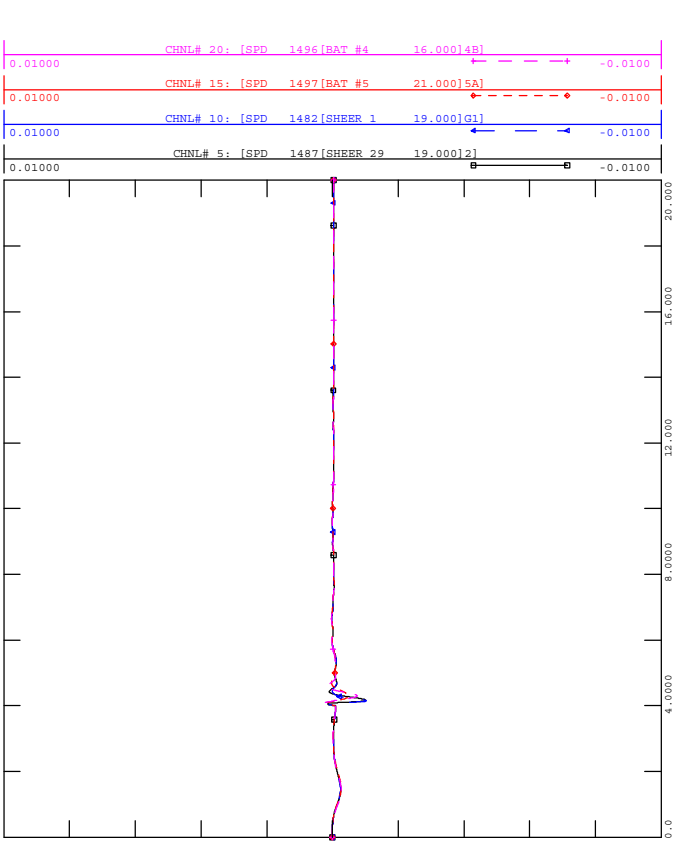


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:33

MACHINE SPEED

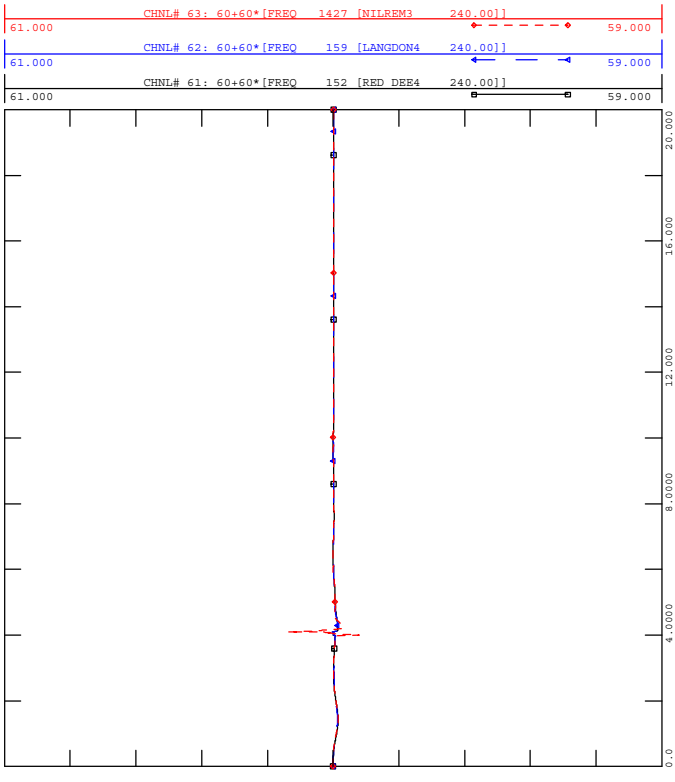


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:33

FREQUENCY

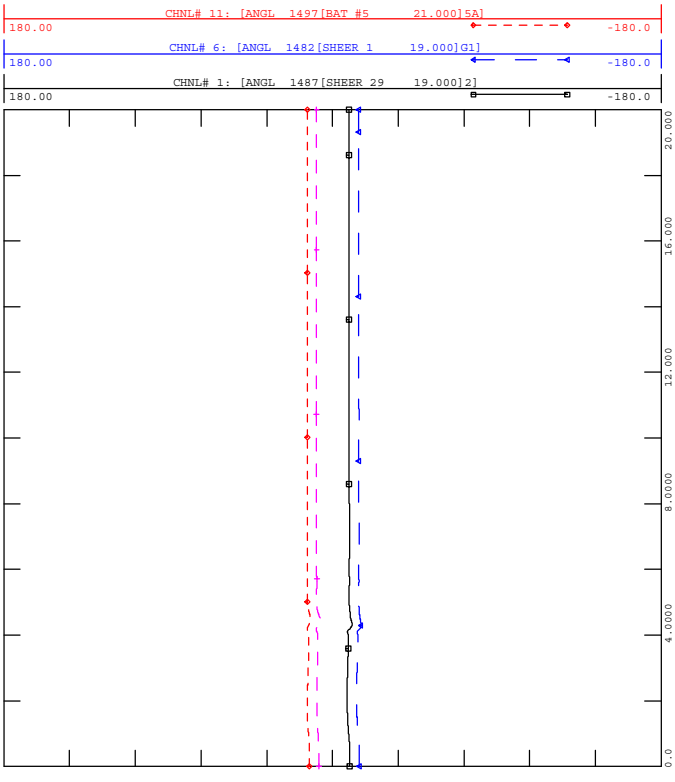


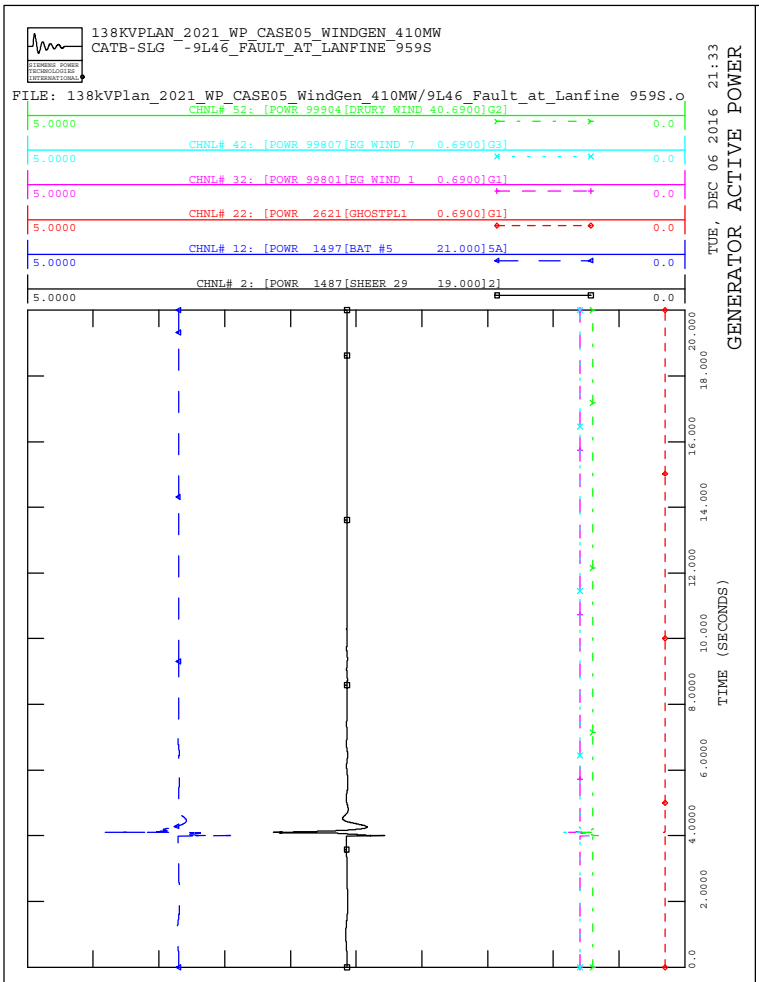
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o

TUE, DEC 06 2016 21:33

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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16.000
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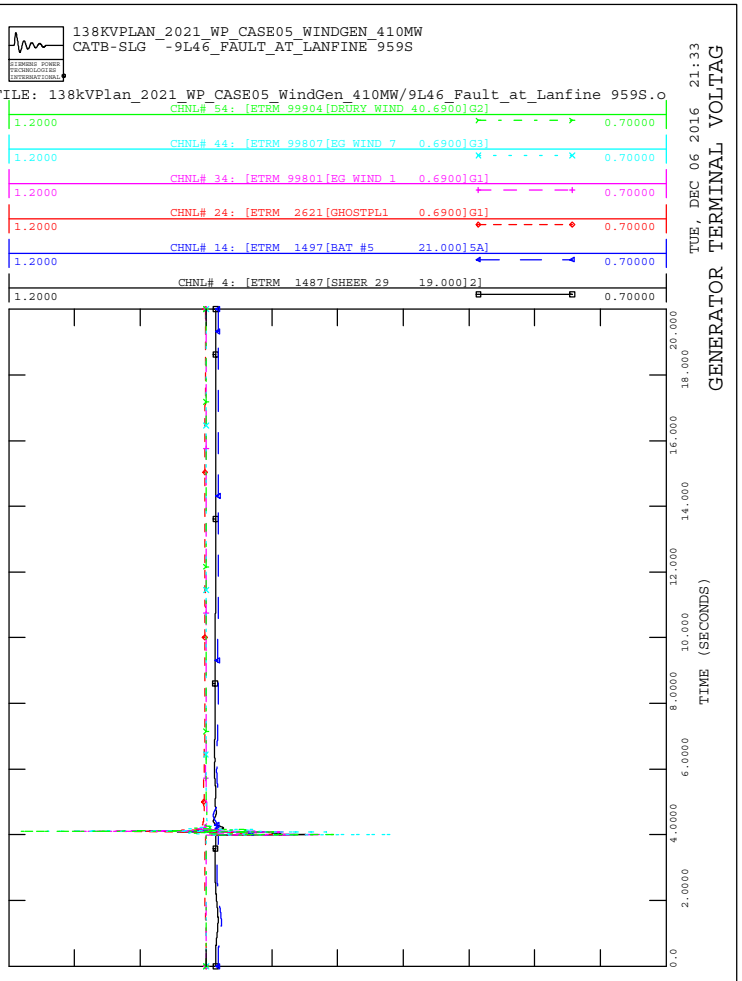
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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12.000
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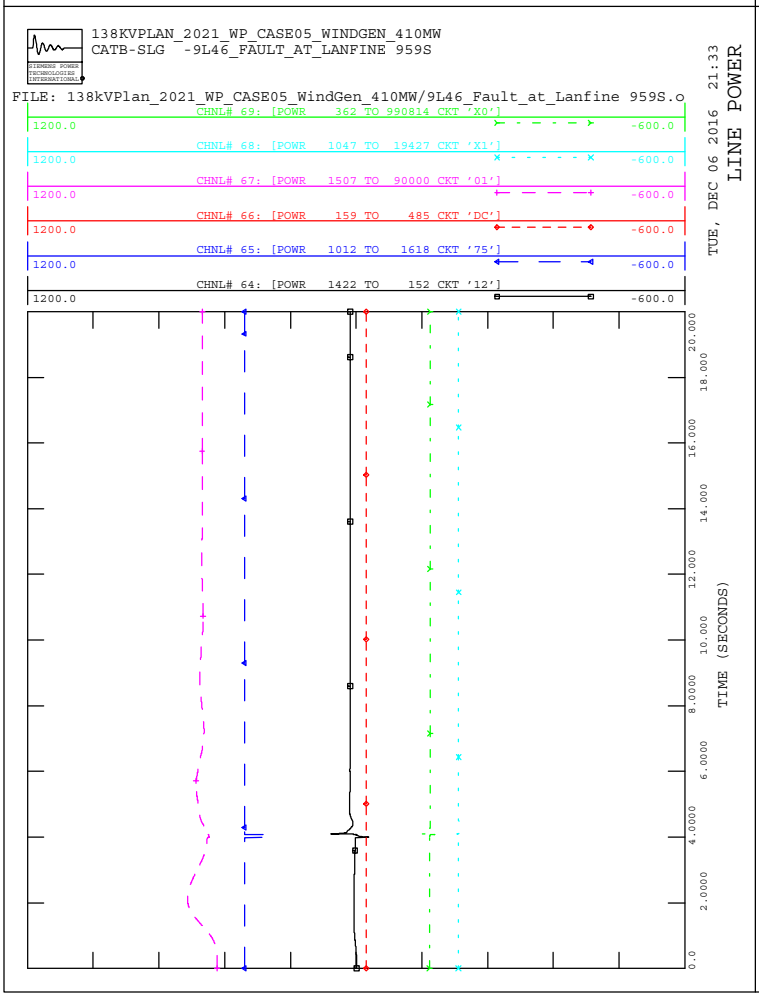
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
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12.000
14.000
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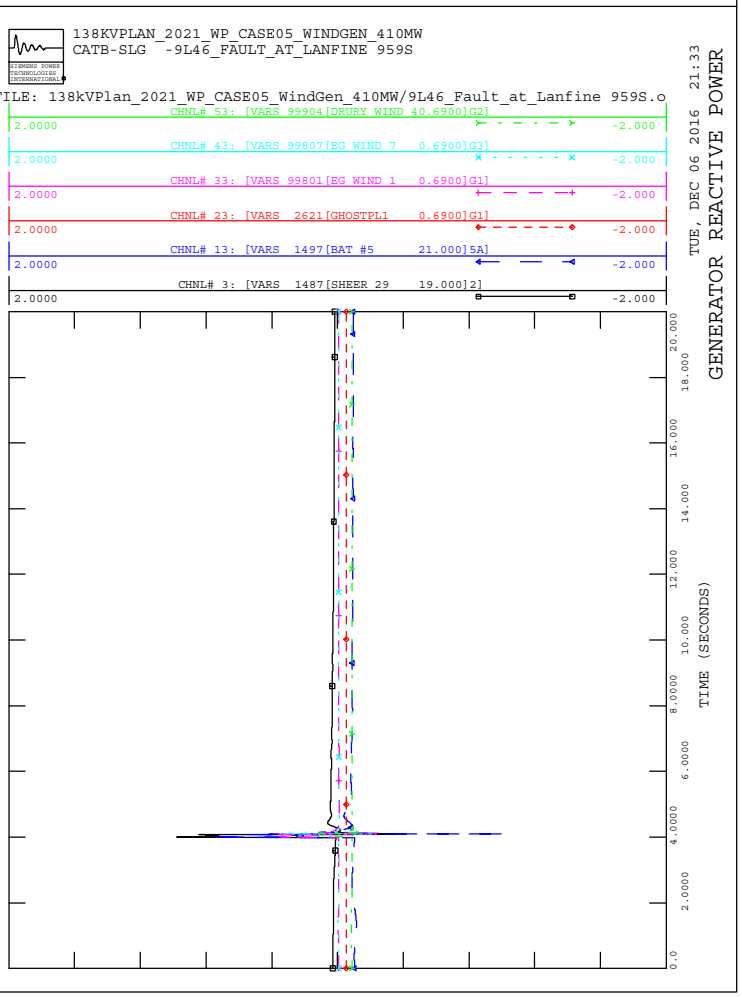
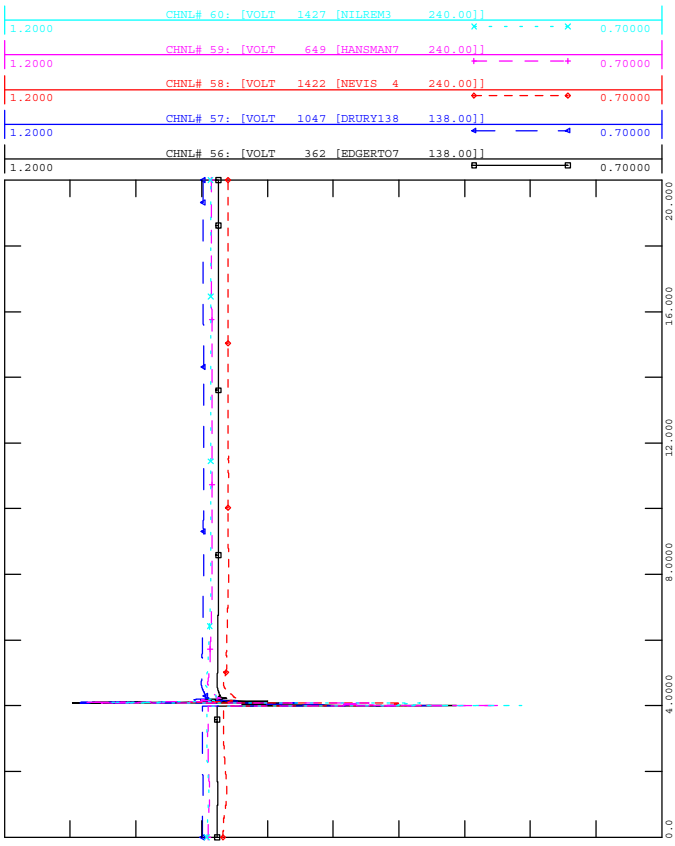

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:33

BUS VOLTAGE

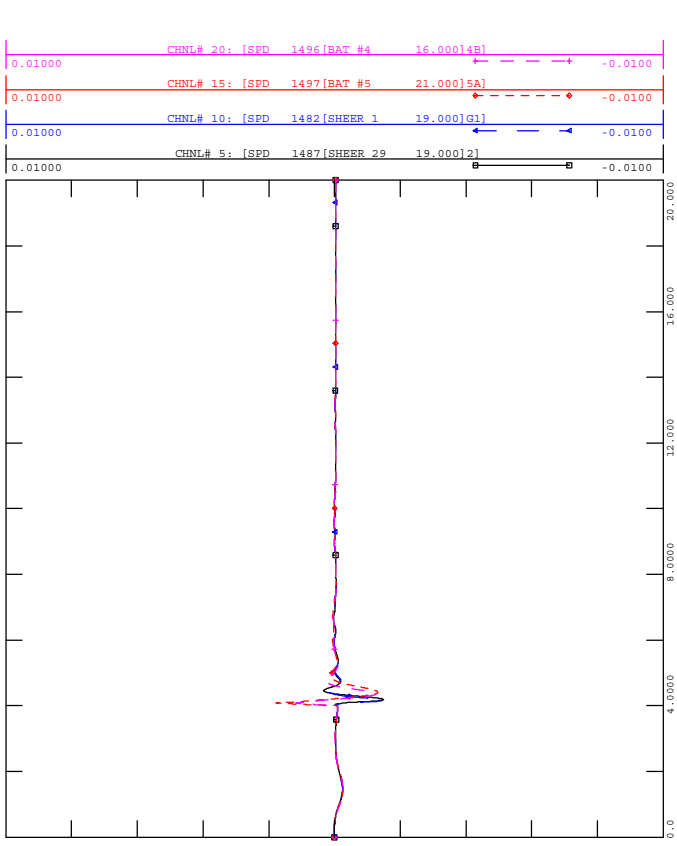


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:33

MACHINE SPEED

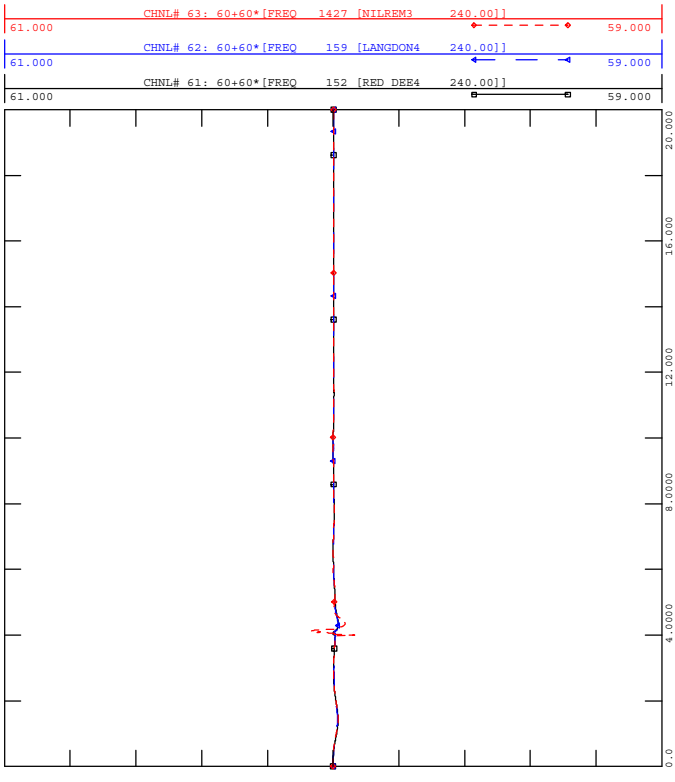


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972

TUE, DEC 06 2016 21:33

FREQUENCY

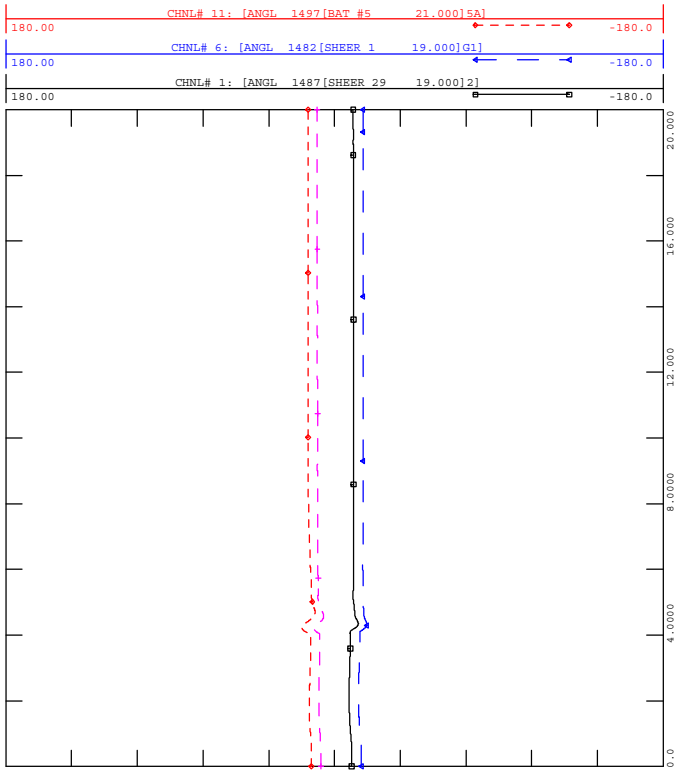


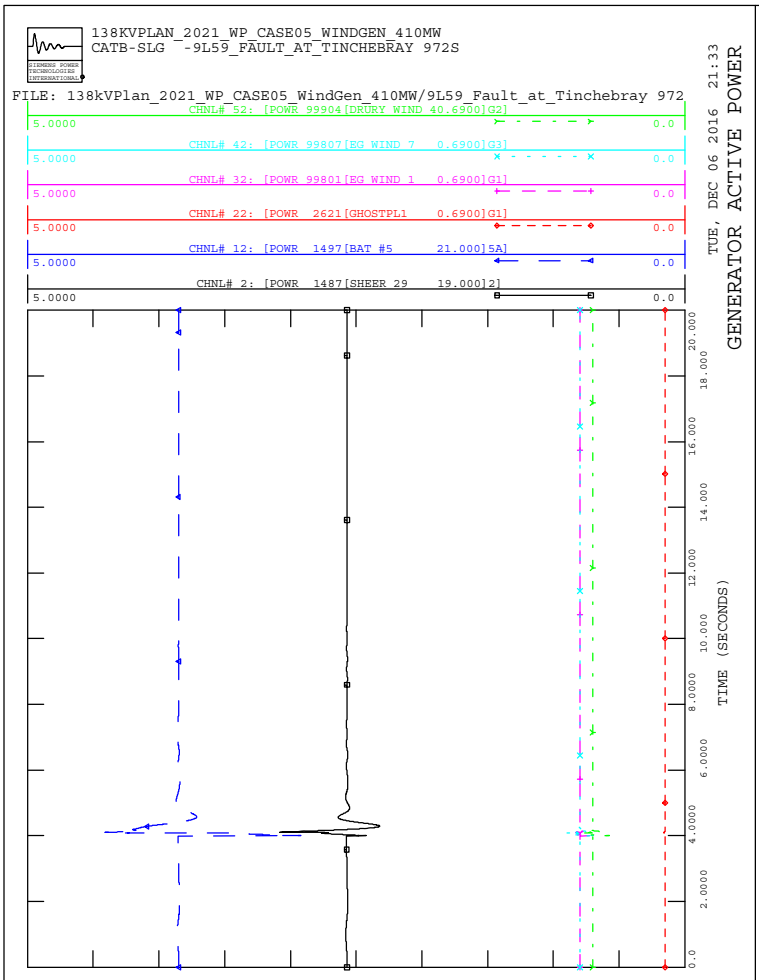
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

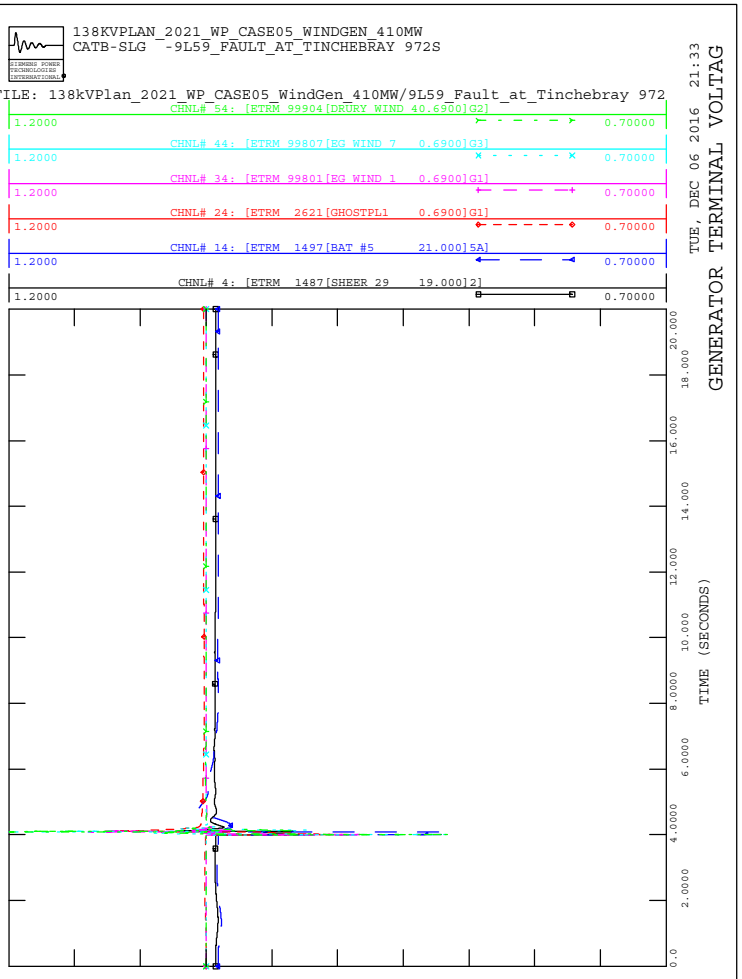
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972

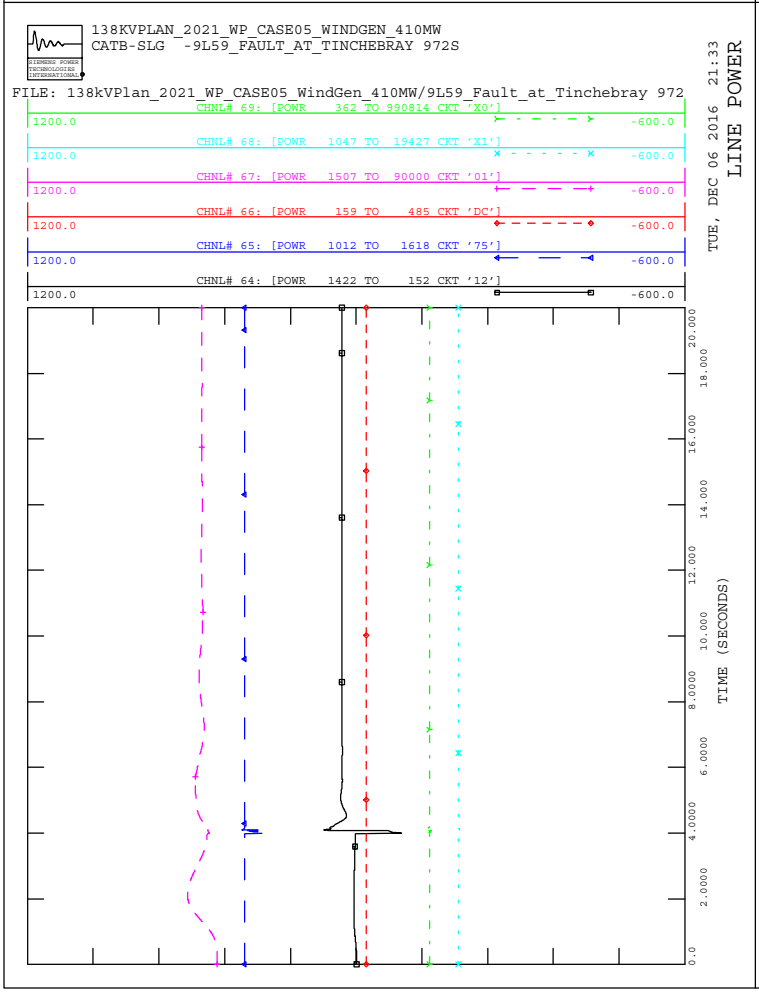
TUE, DEC 06 2016 21:33

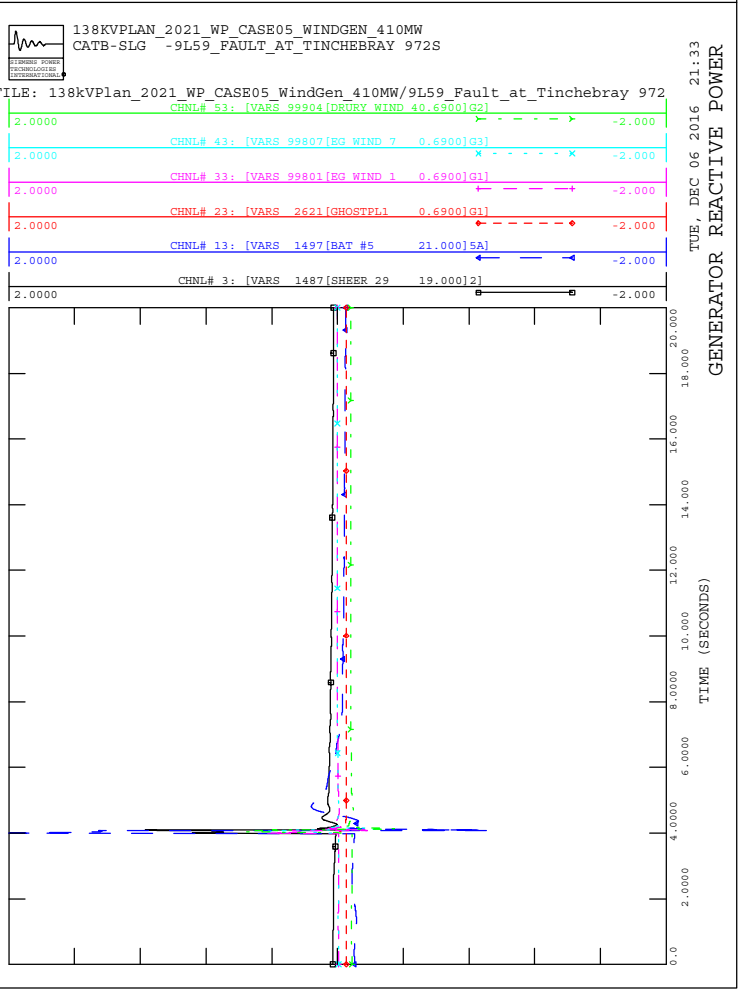
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

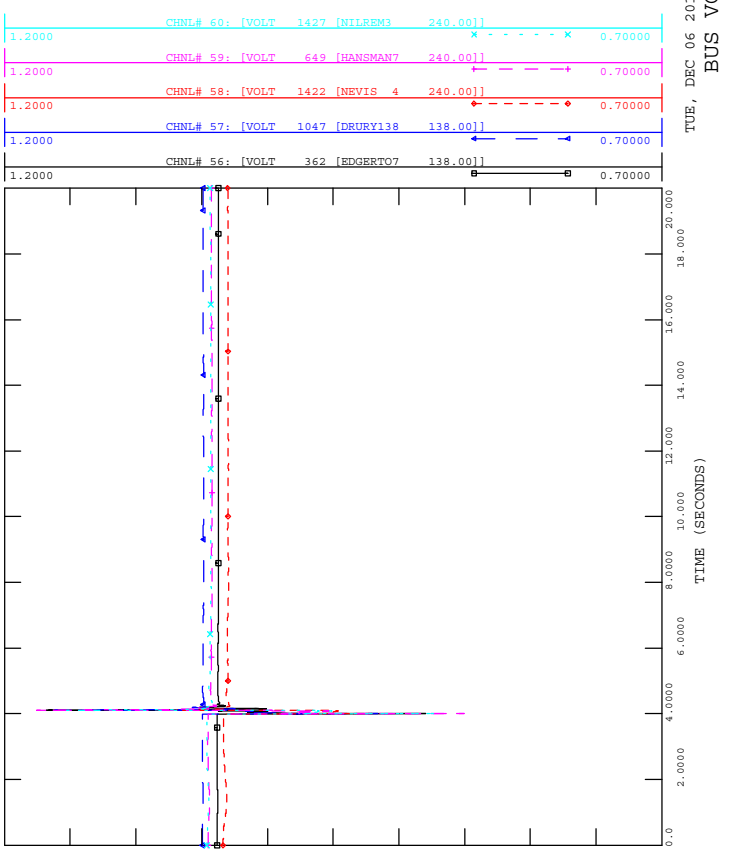

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:33

BUS VOLTAGE

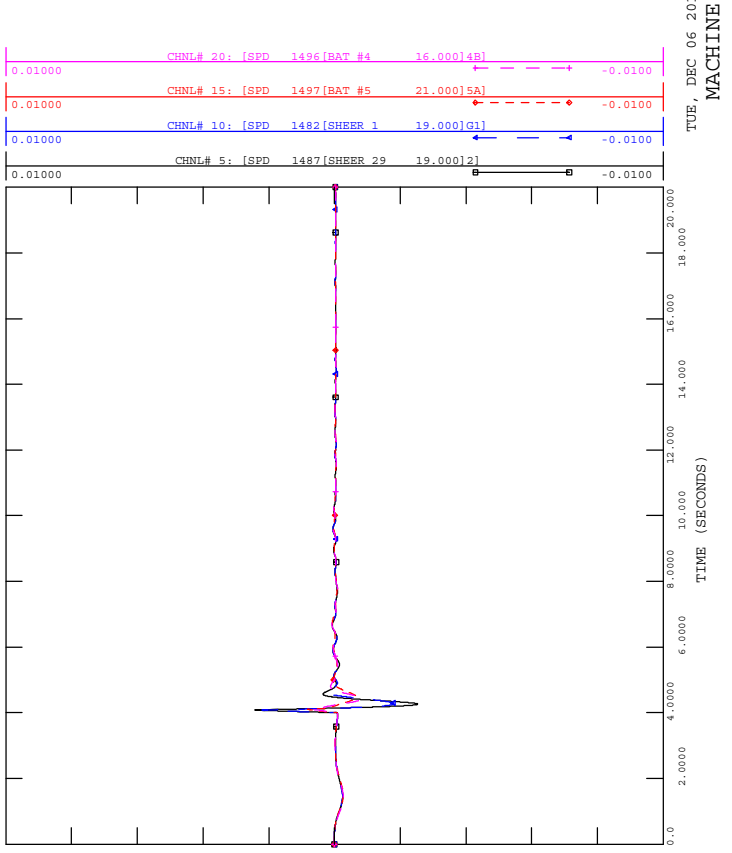


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:33

MACHINE SPEED

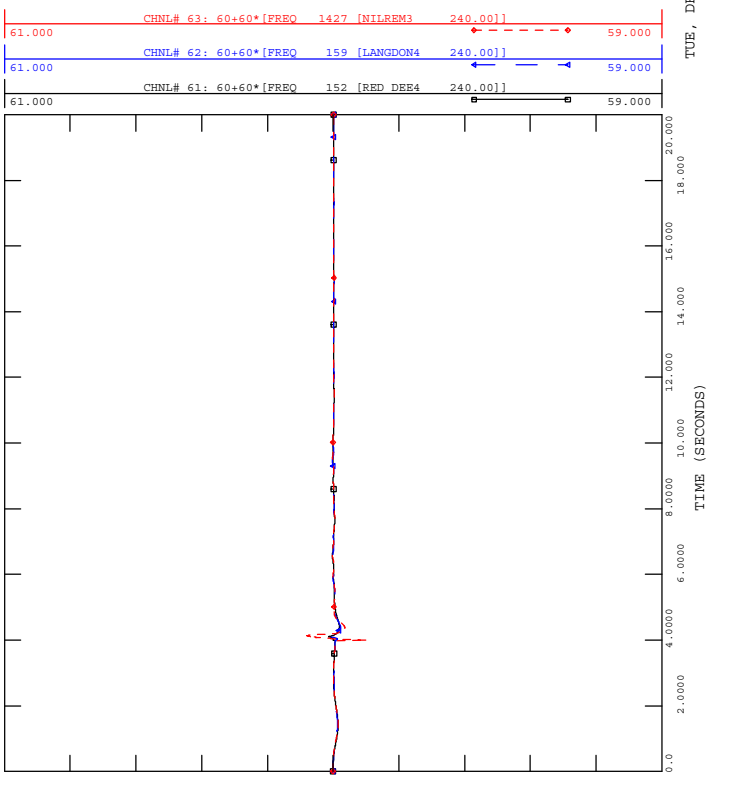


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:33

FREQUENCY

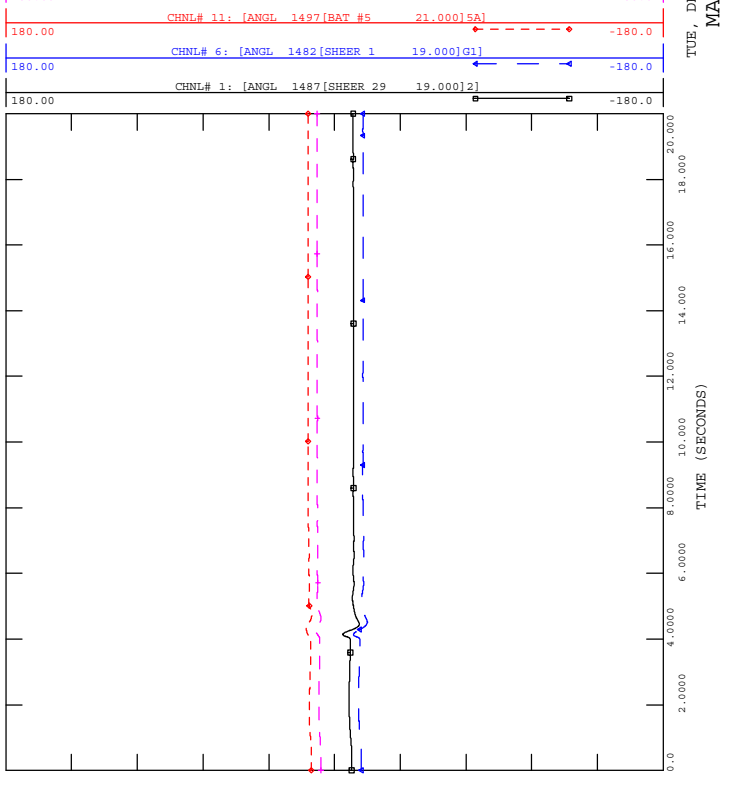


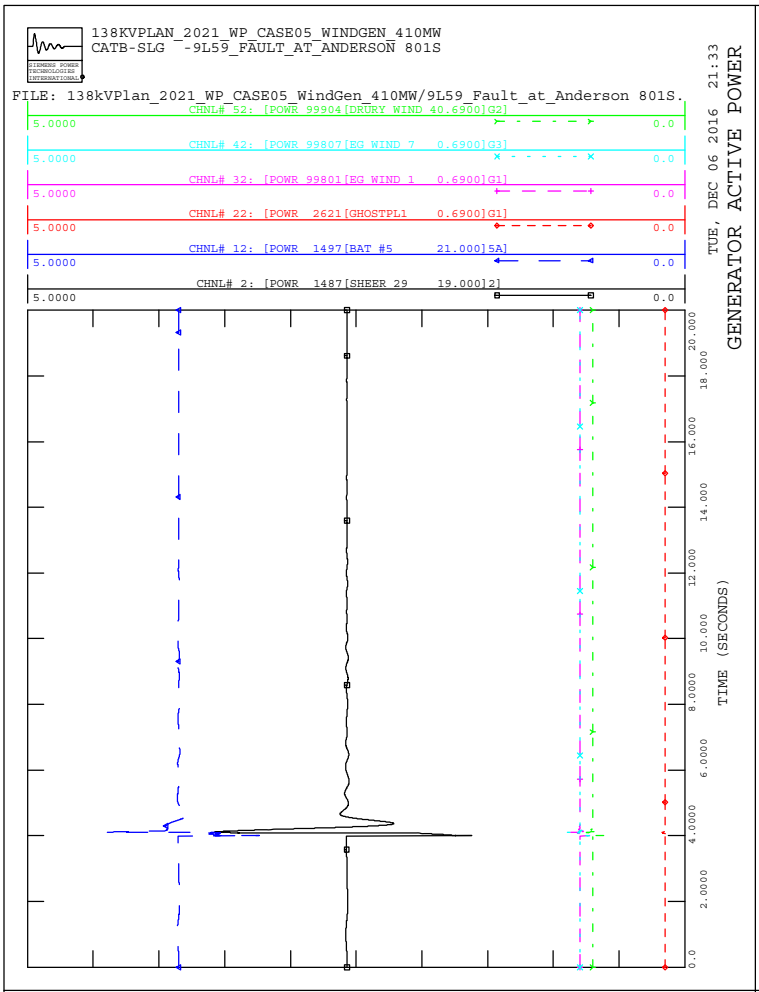
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

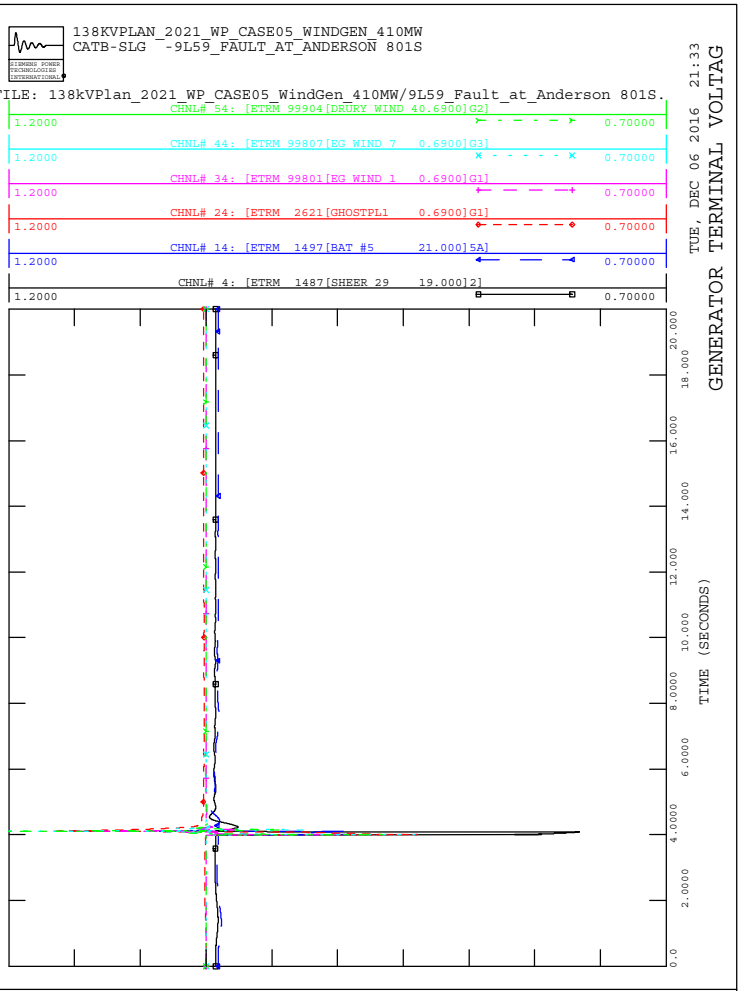
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.

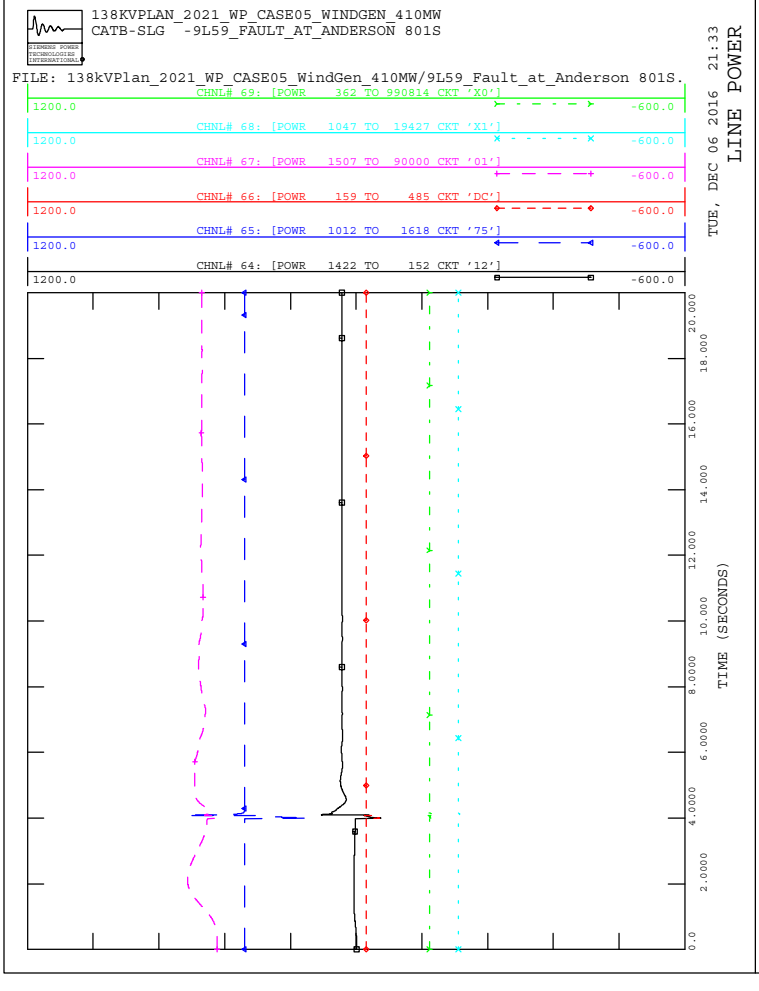
TUE, DEC 06 2016 21:33

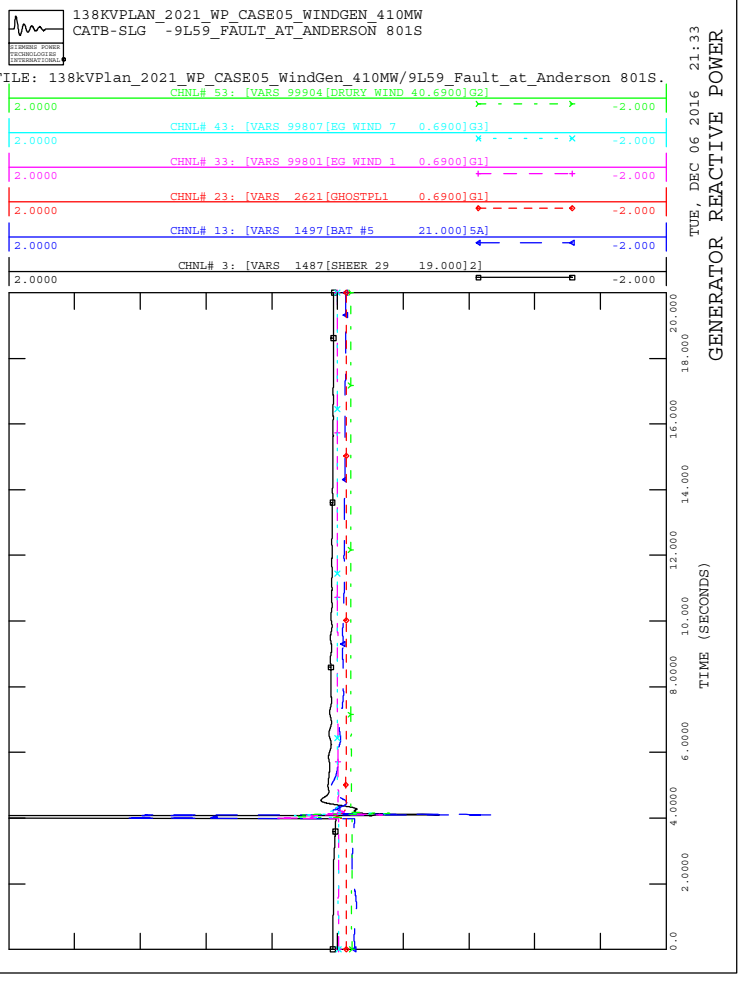
MACHINE ANGLE

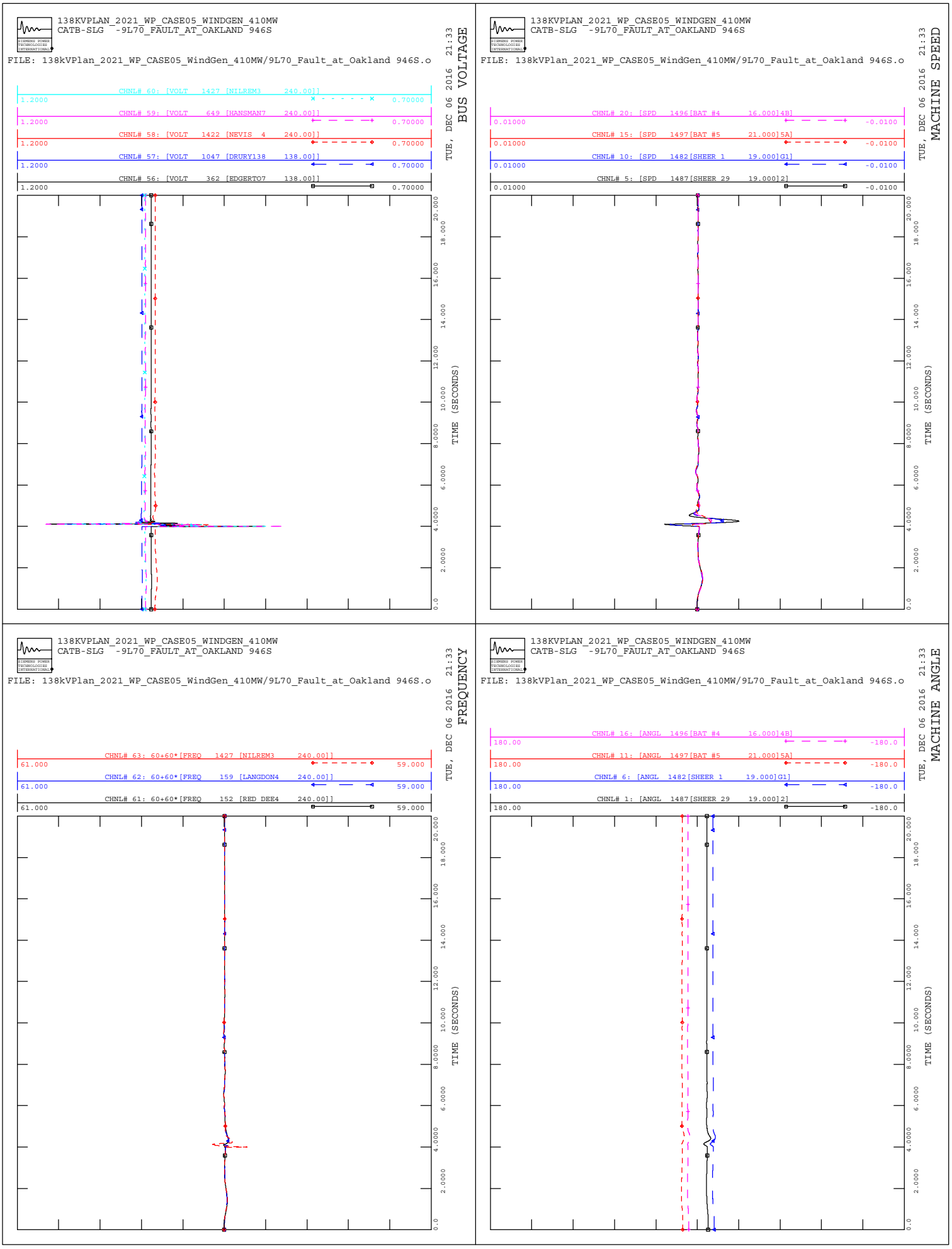


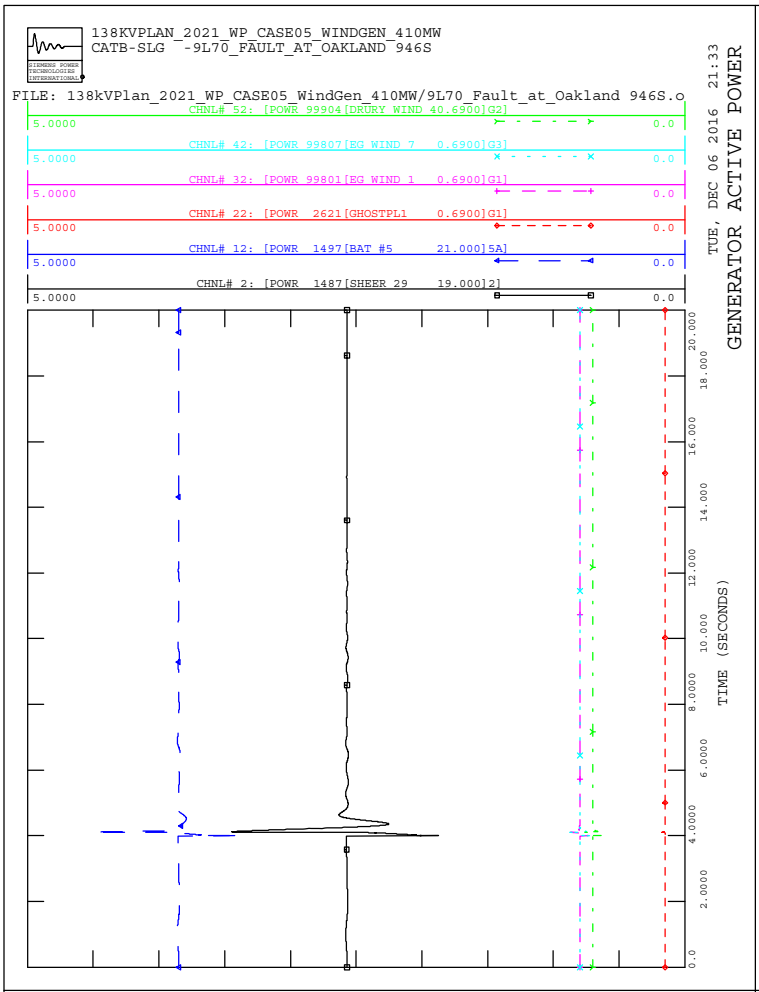

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

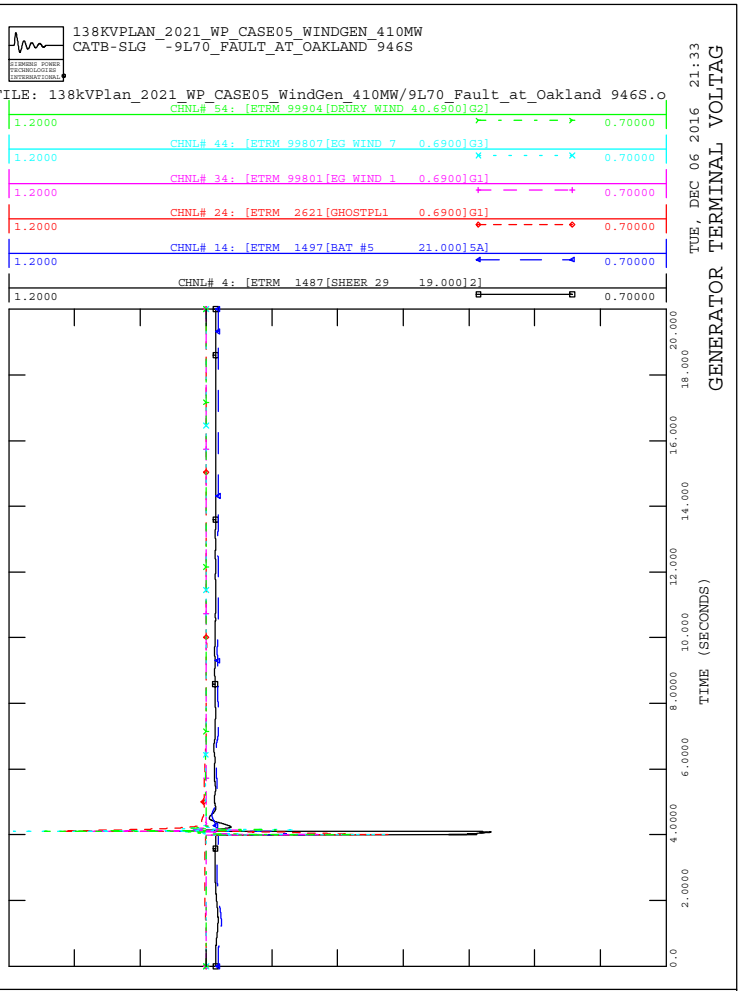

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

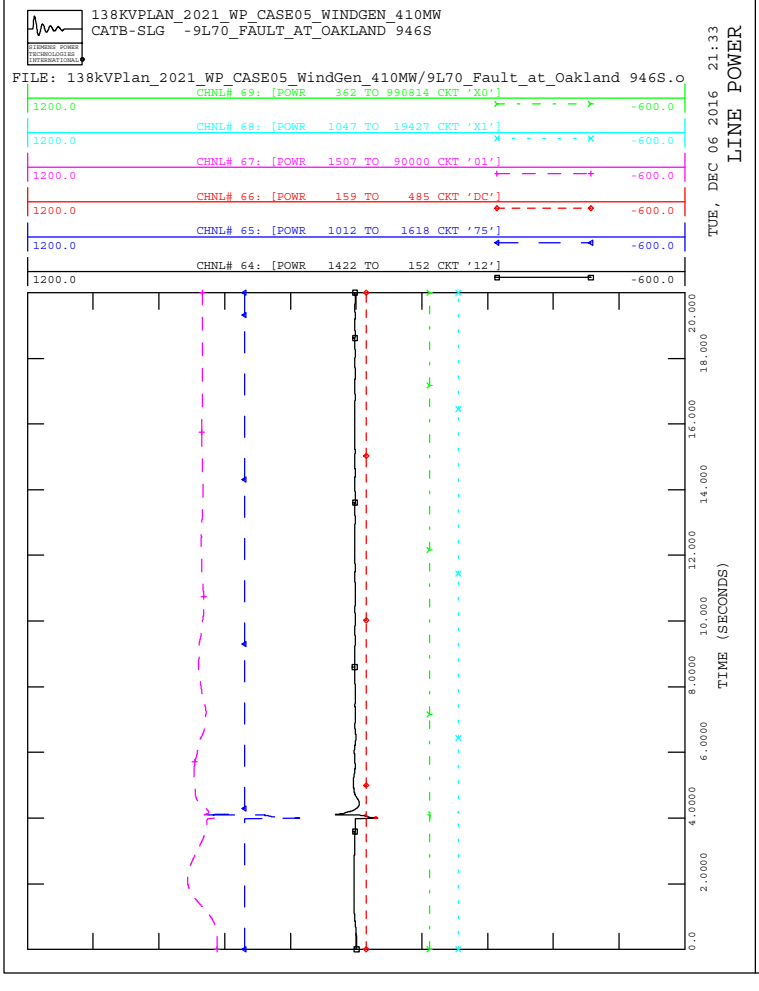

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:33
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

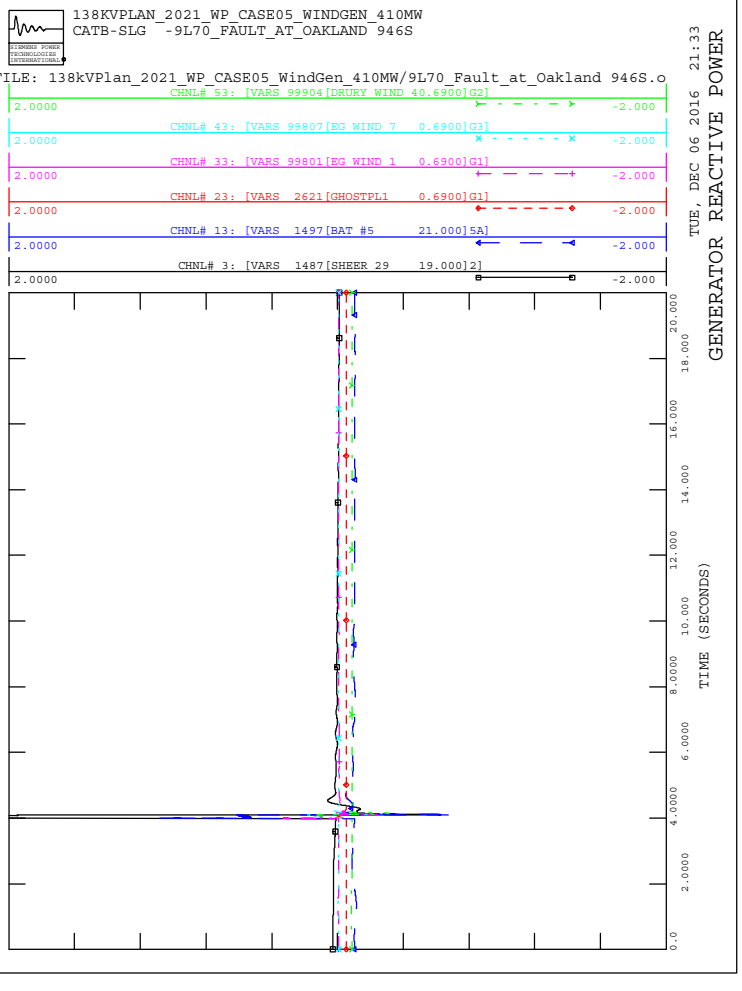

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L59_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:33
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:33
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:33
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:33
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:33
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

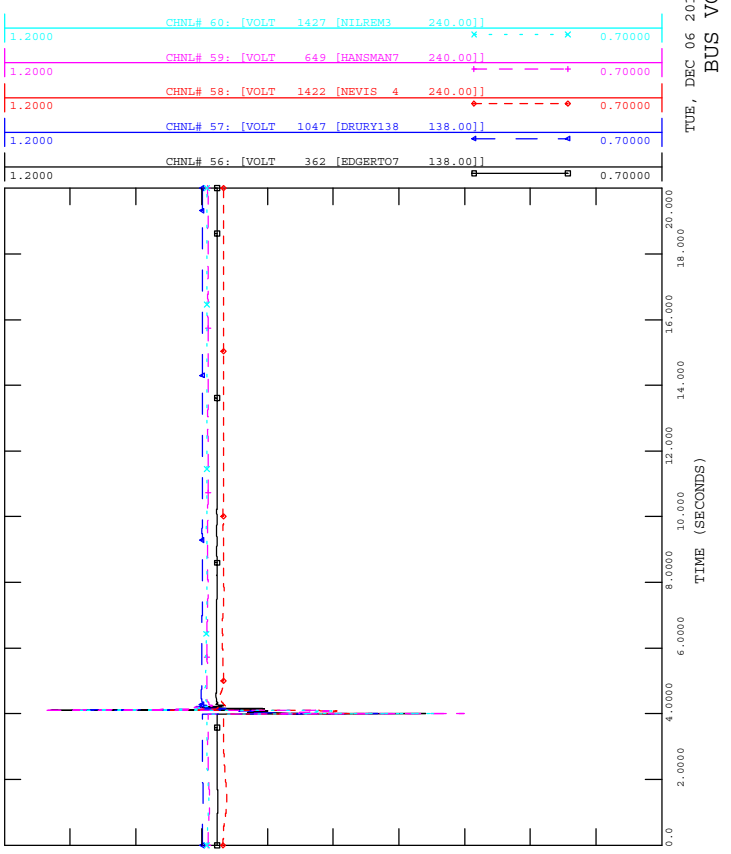

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:33

BUS VOLTAGE

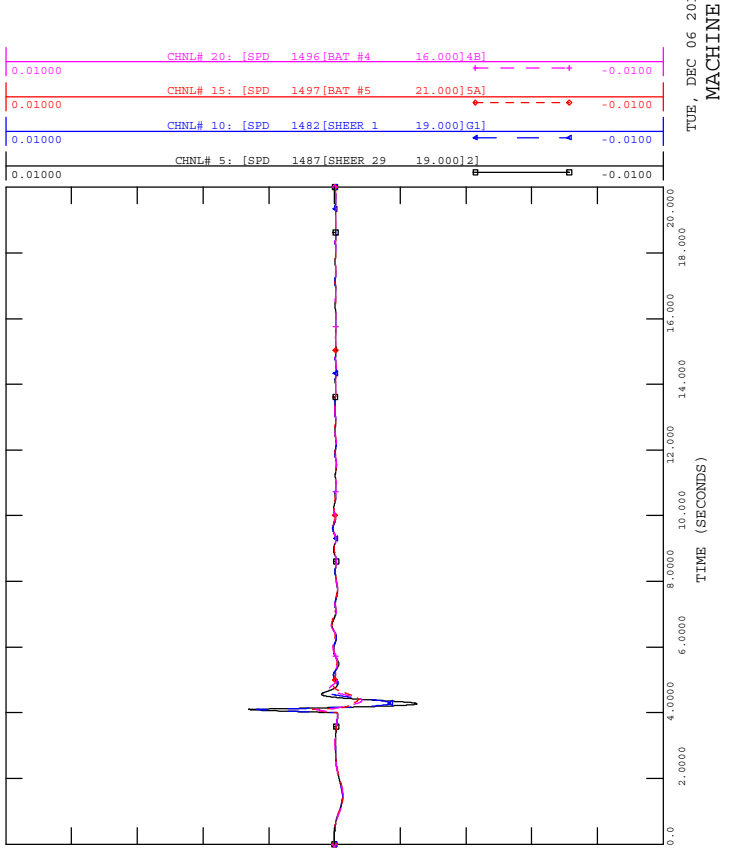


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:33

MACHINE SPEED

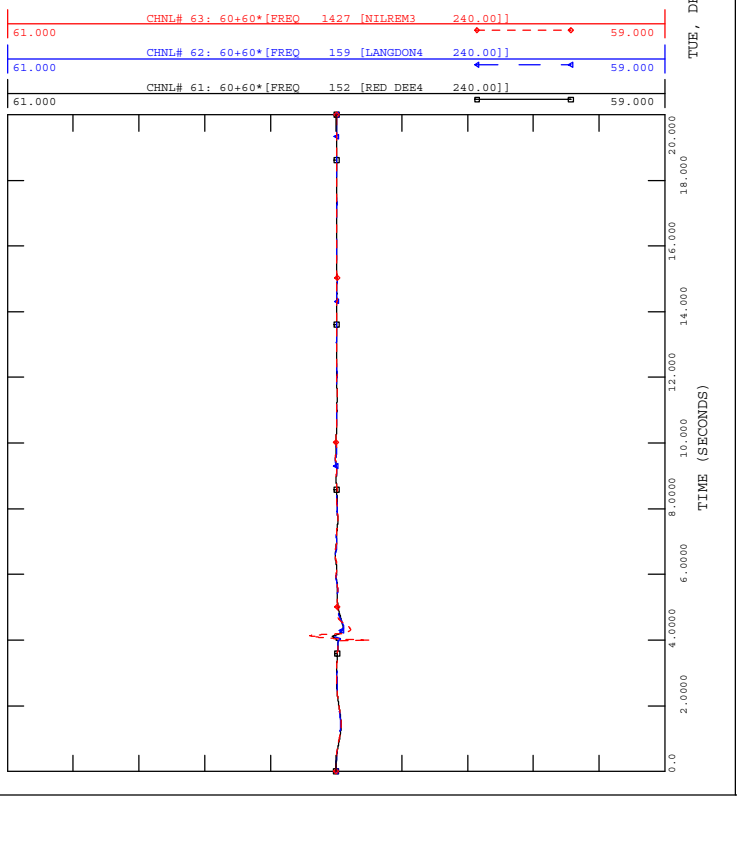


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:33

FREQUENCY

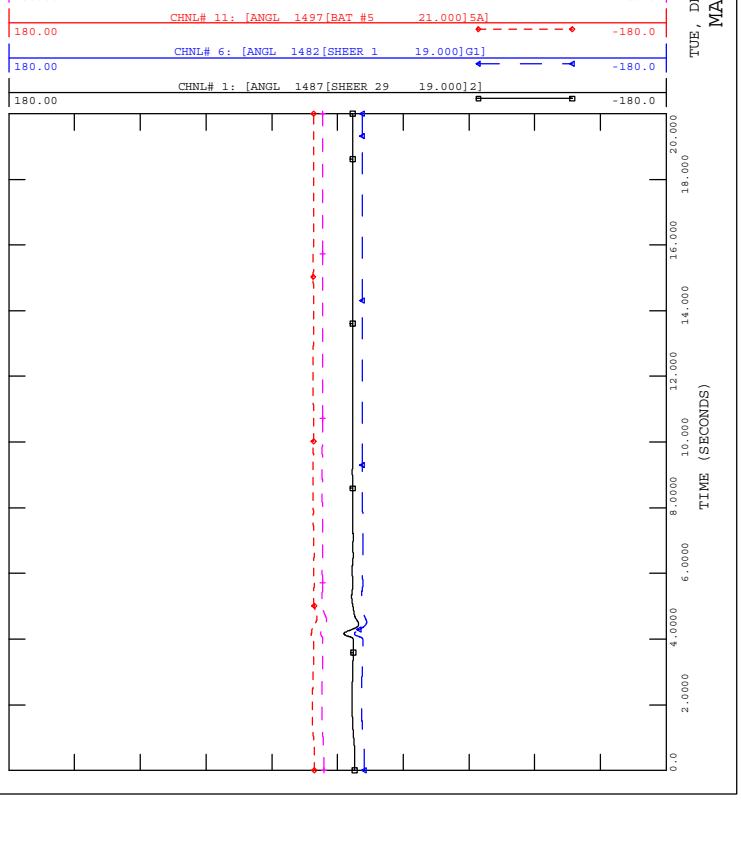


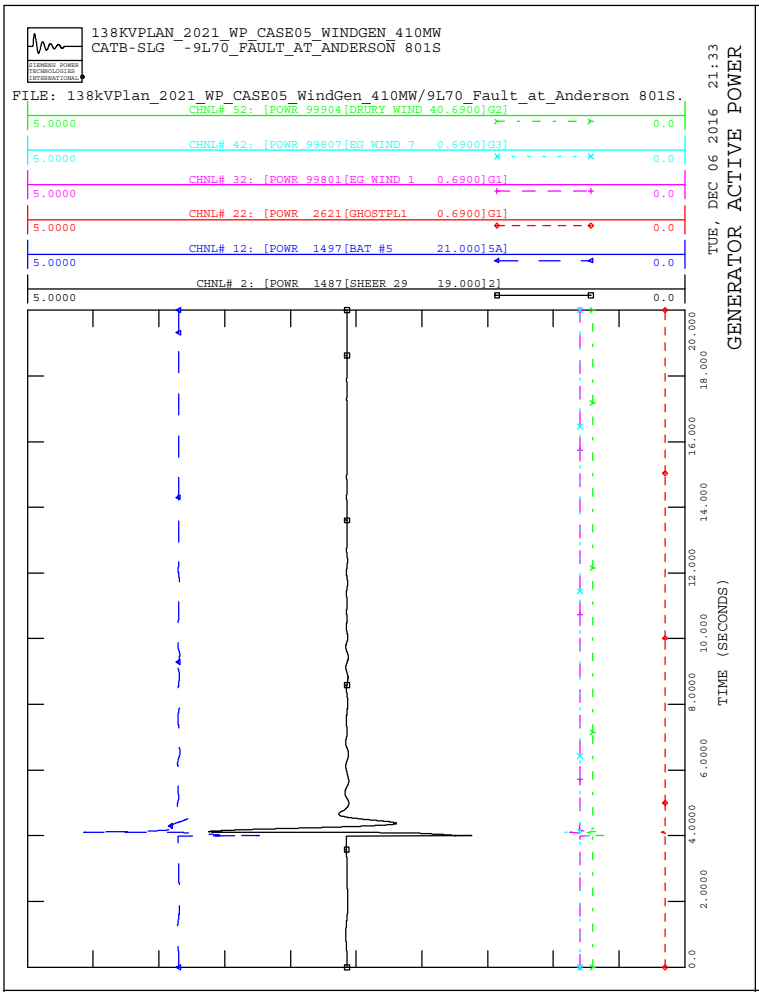
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

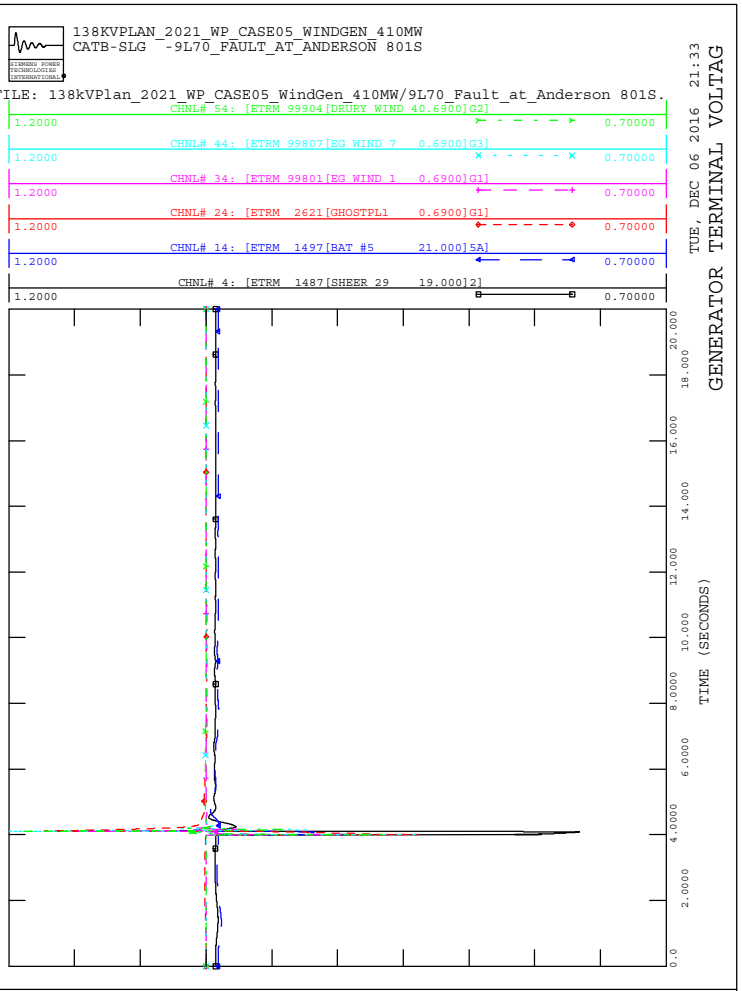
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.

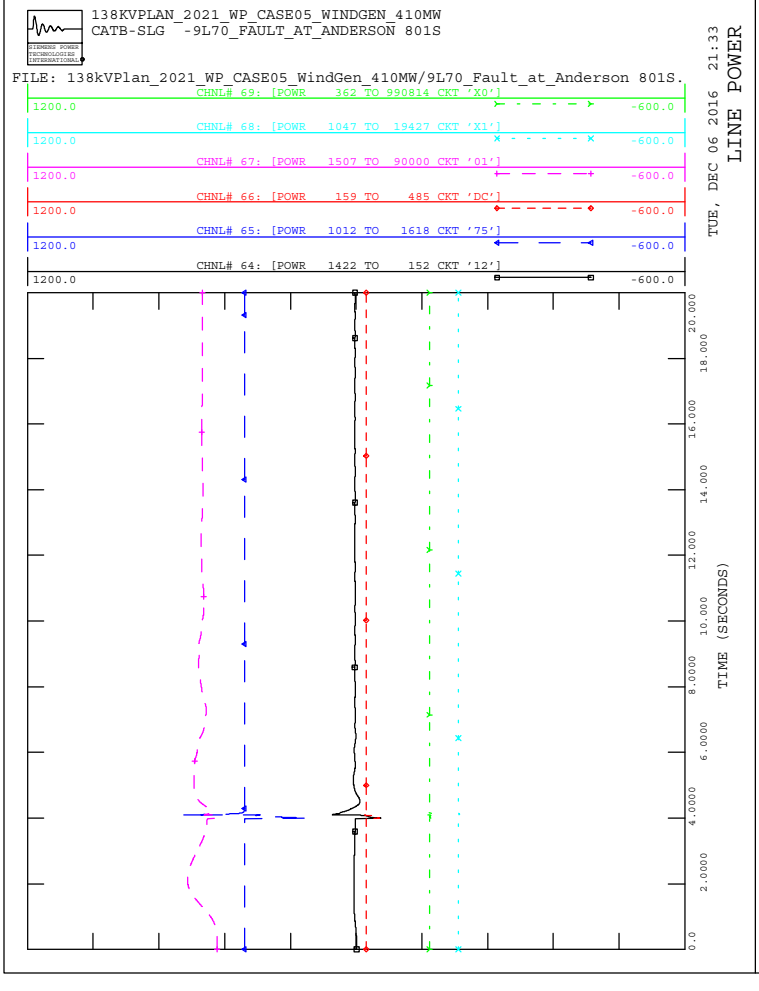
TUE, DEC 06 2016 21:33

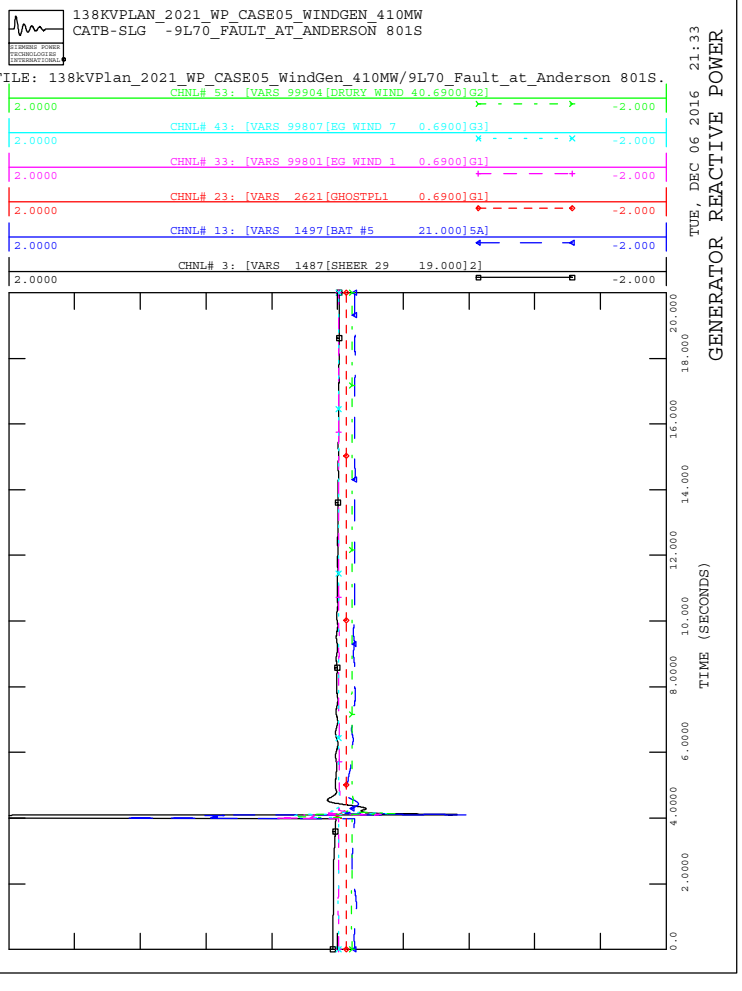
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)

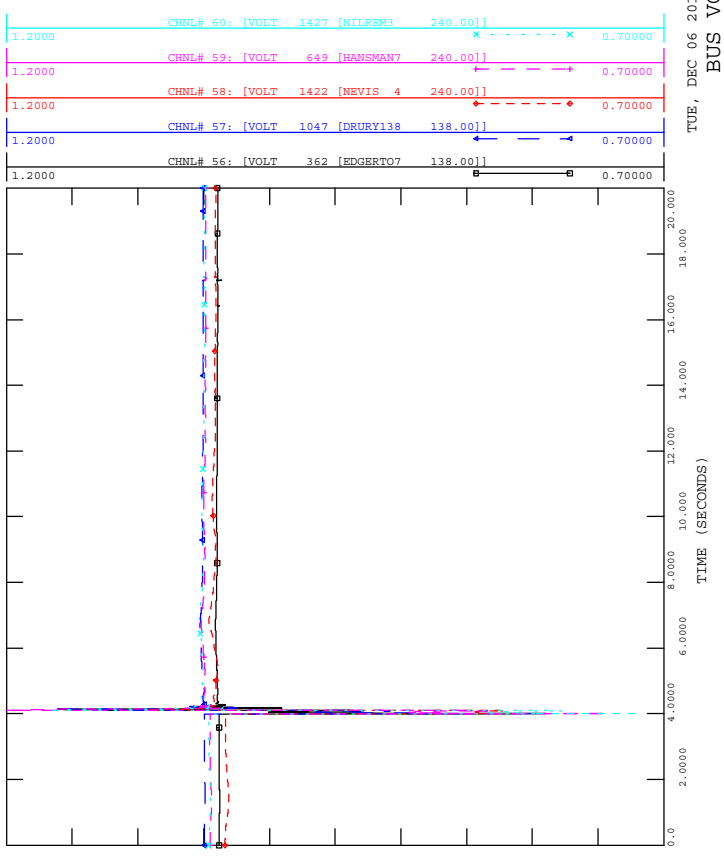

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70_Fault_at_Anderson 801S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7

TUE, DEC 06 2016 21:33

BUS VOLTAGE

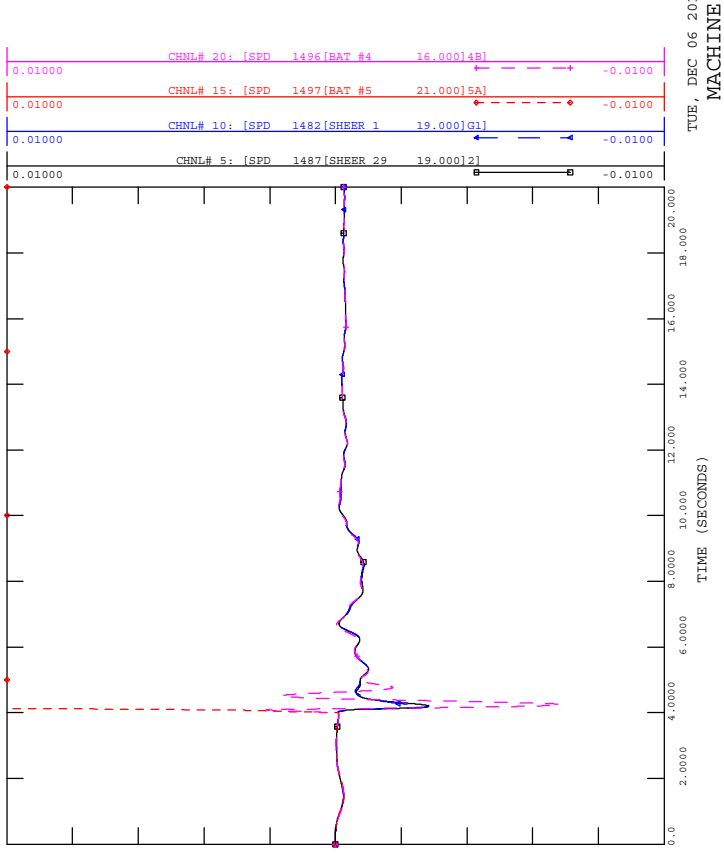


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7

TUE, DEC 06 2016 21:33

MACHINE SPEED

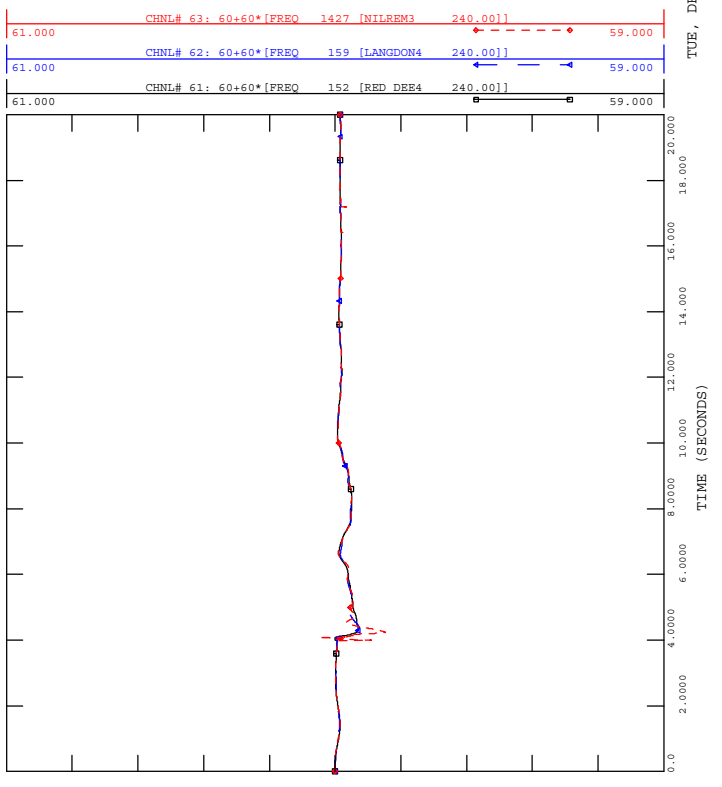


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7

TUE, DEC 06 2016 21:33

FREQUENCY

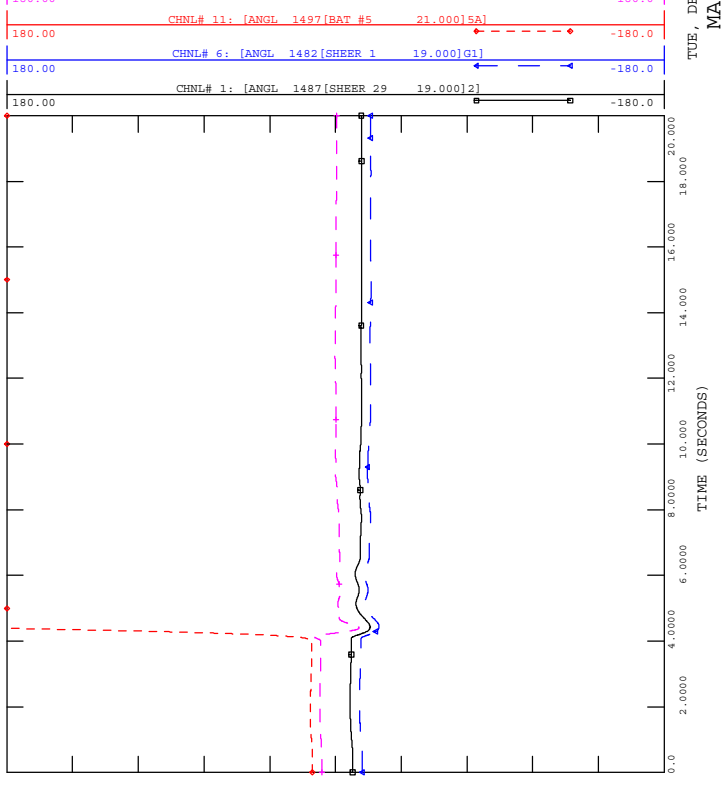


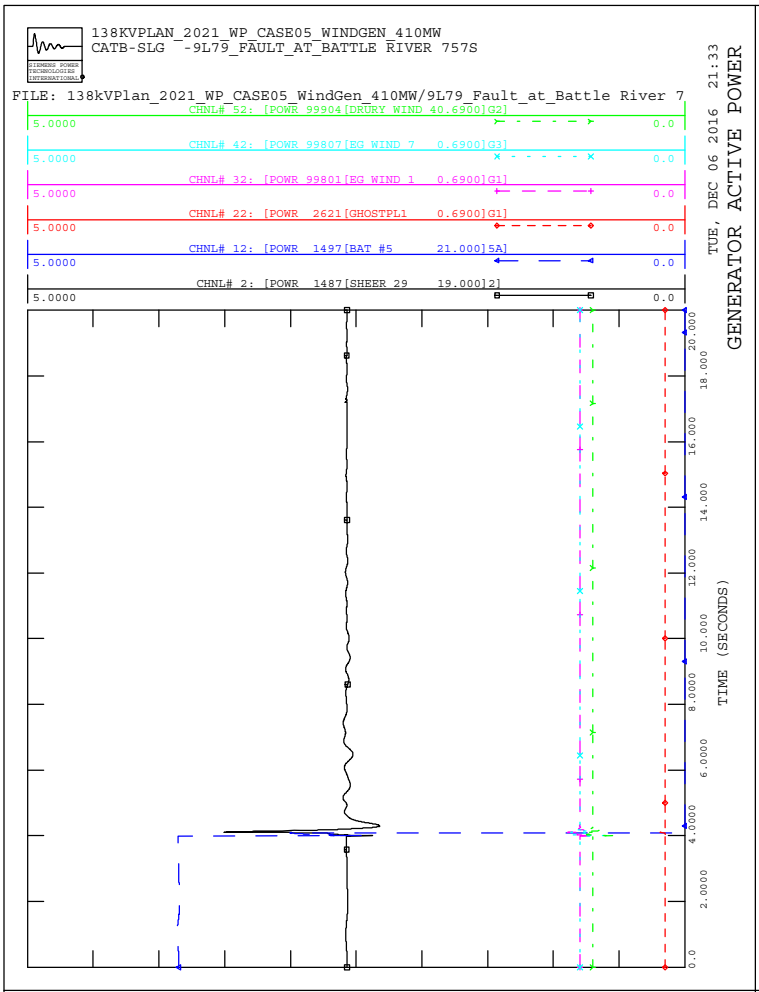
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

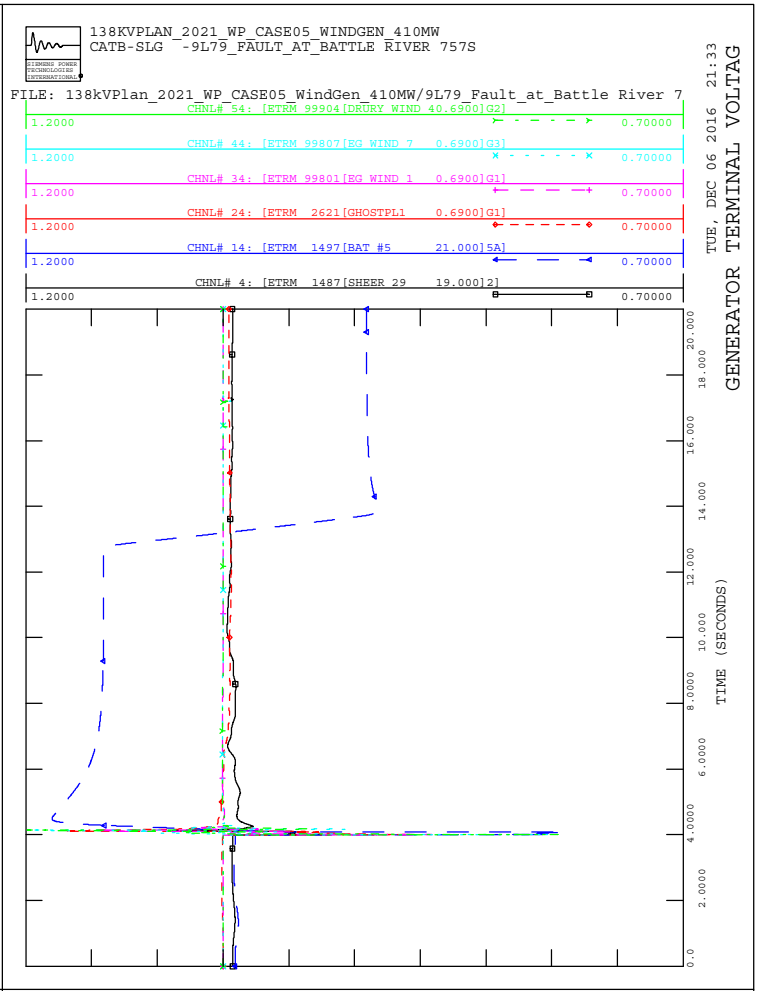
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7

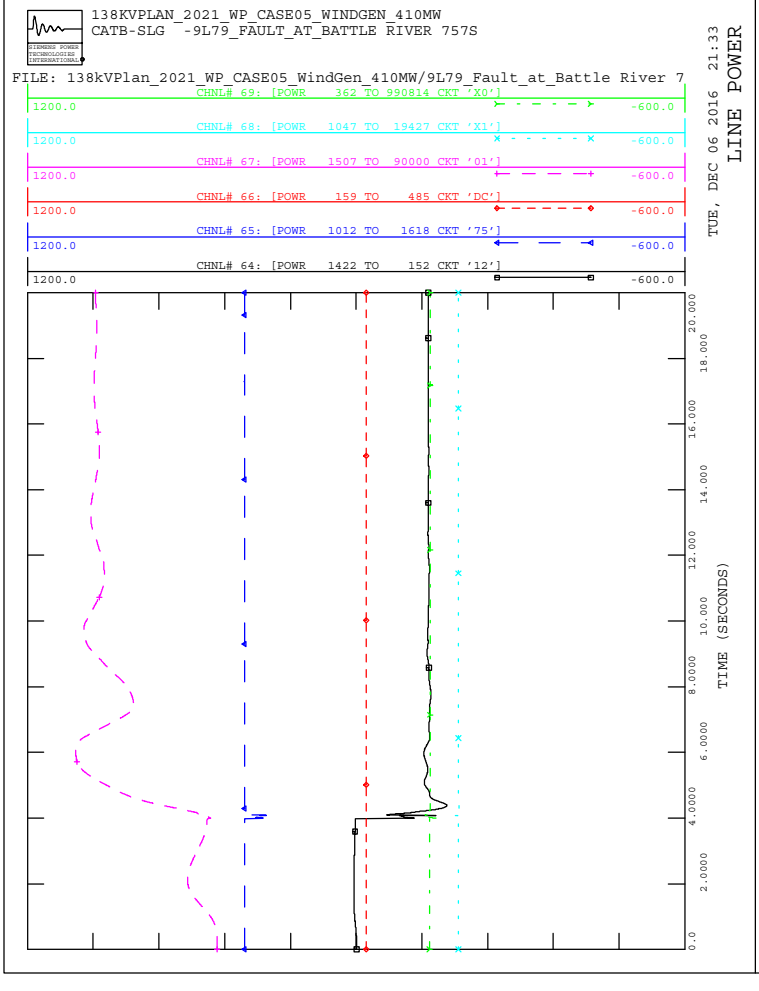
TUE, DEC 06 2016 21:33

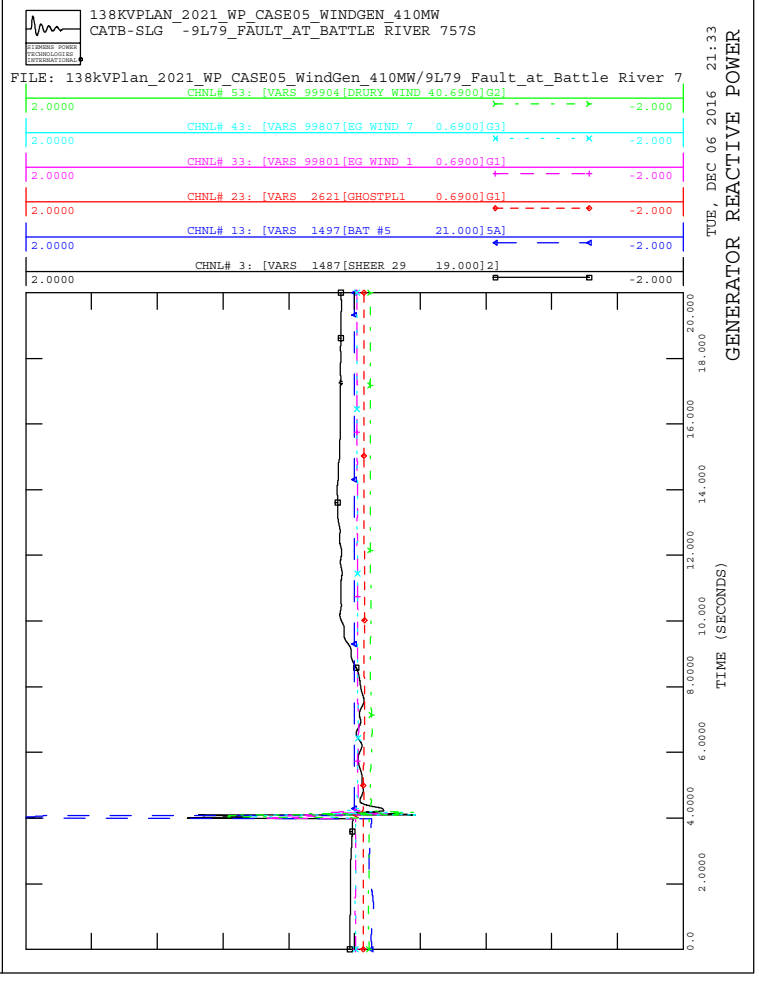
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)

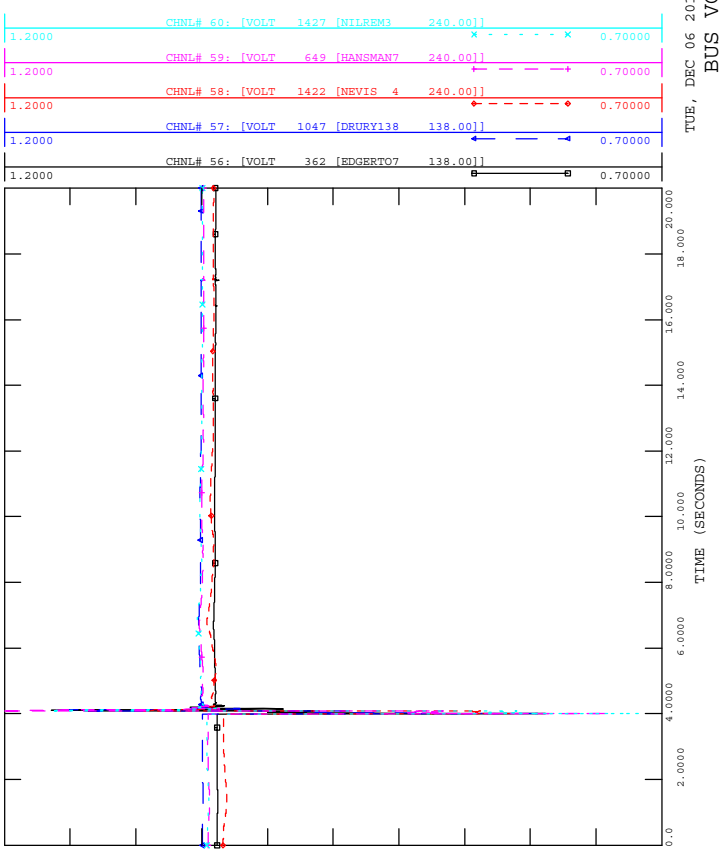

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

BUS VOLTAGE

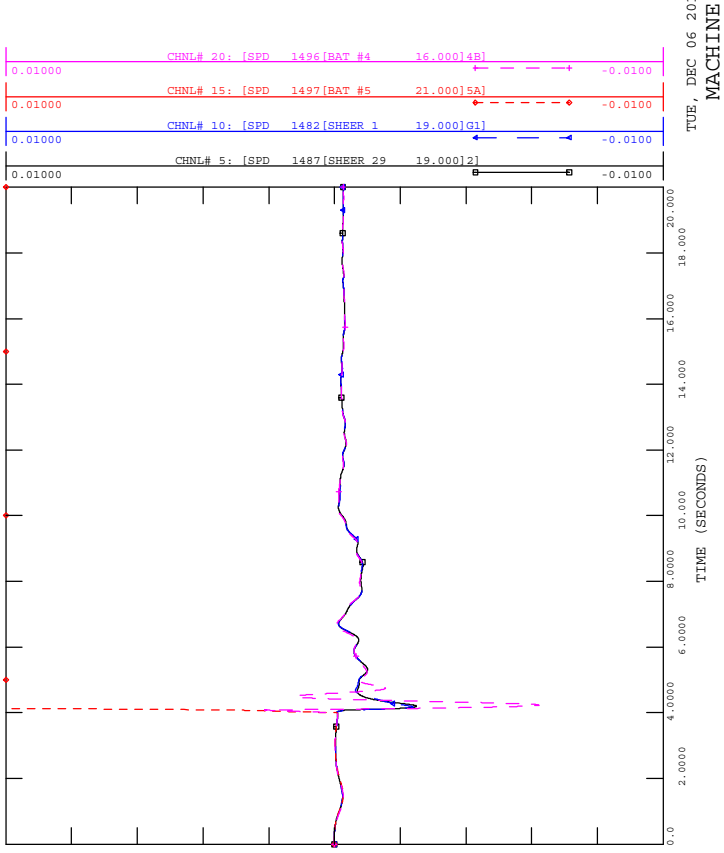


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

MACHINE SPEED

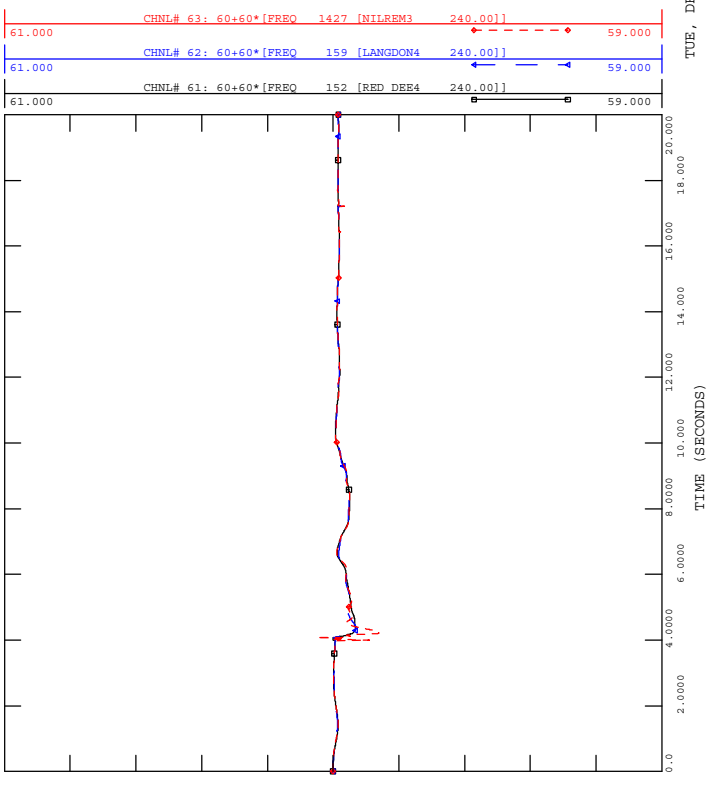


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

FREQUENCY

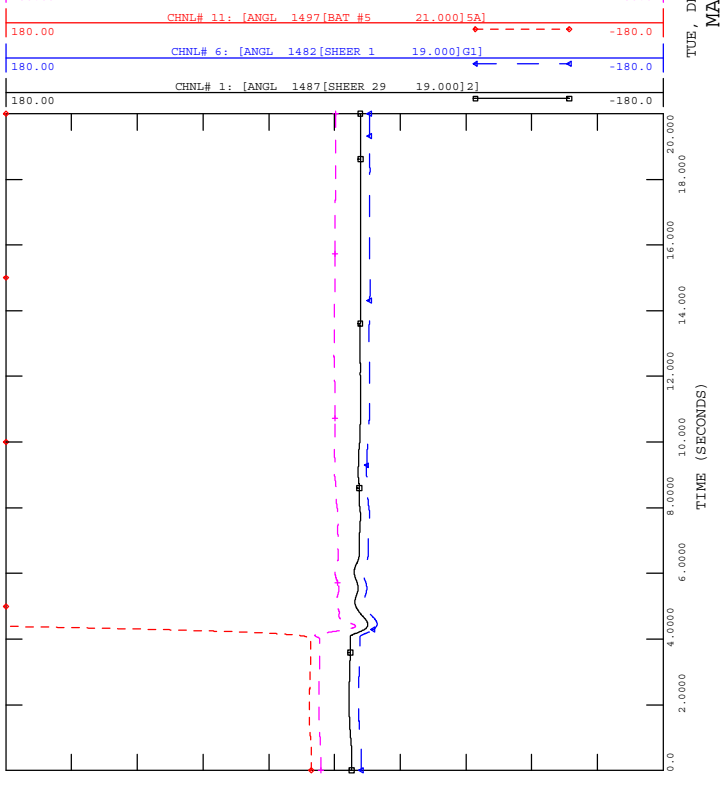


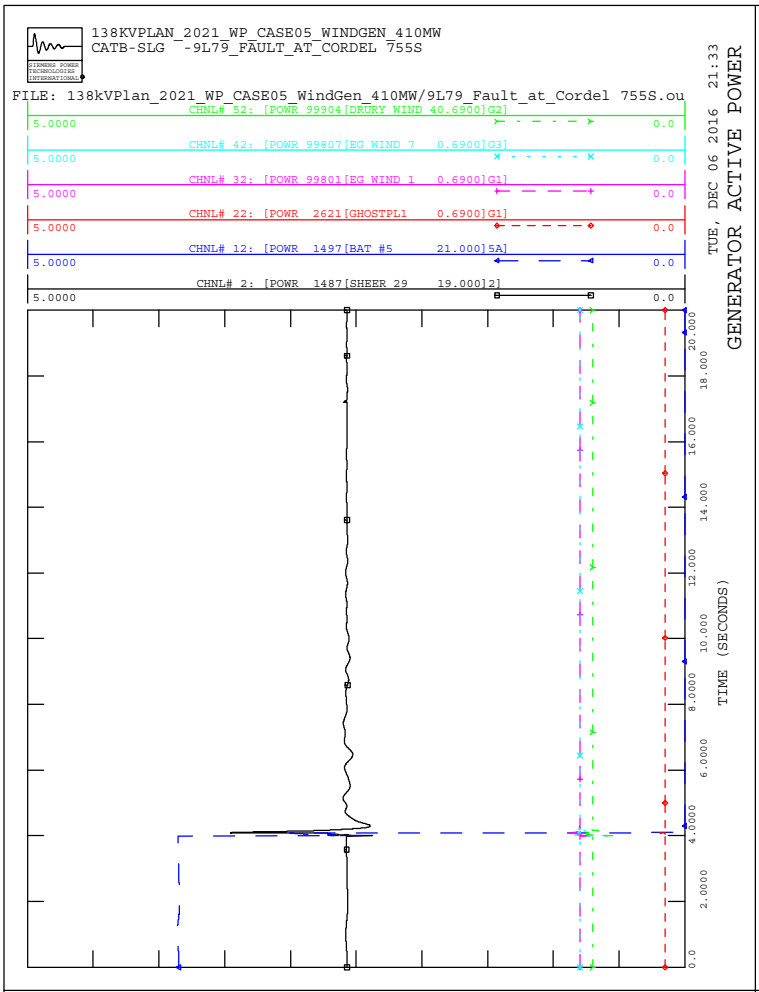
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

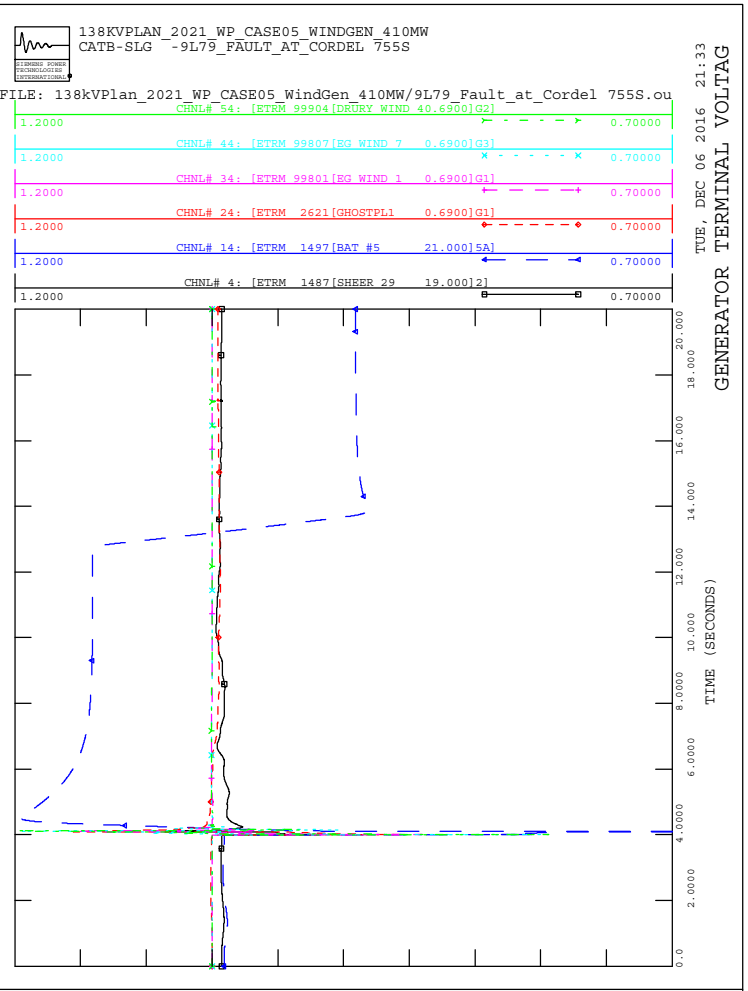
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou

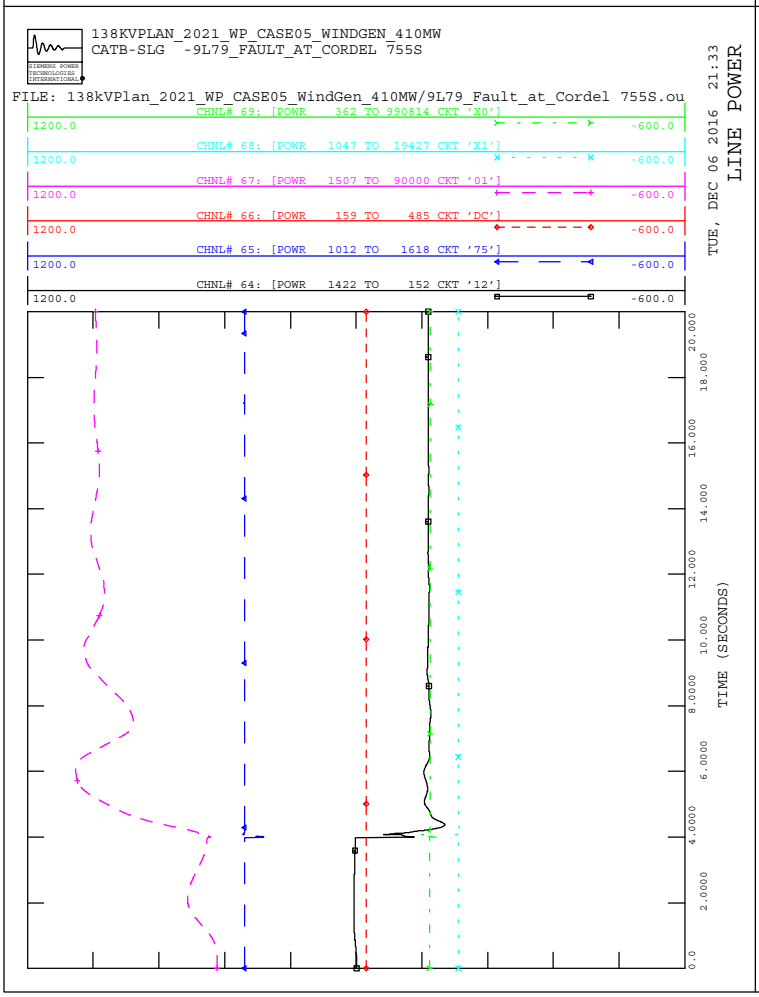
TUE, DEC 06 2016 21:33

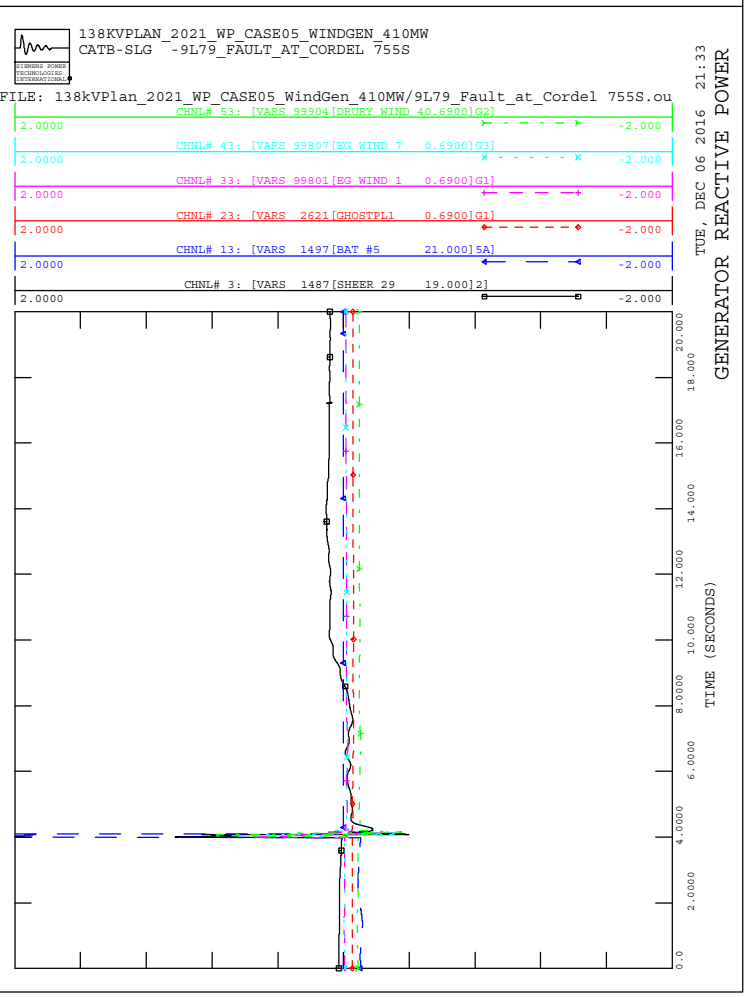
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)

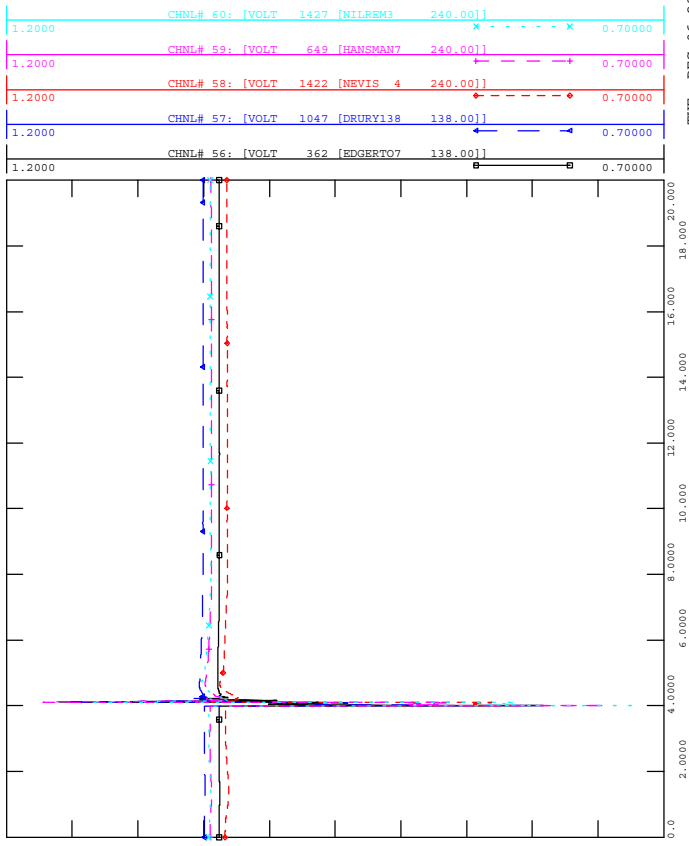

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7

TUE, DEC 06 2016 21:33

BUS VOLTAGE

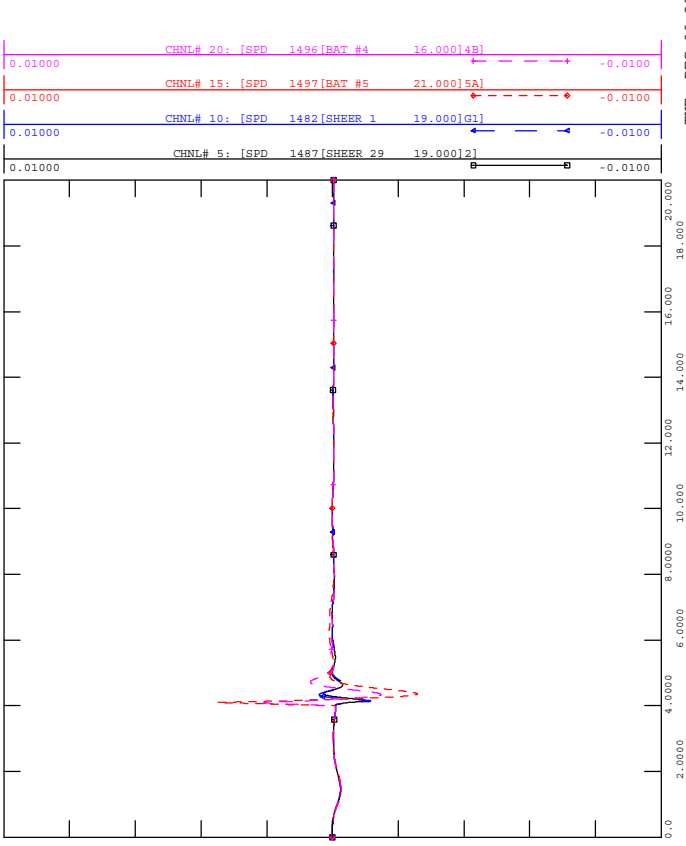


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7

TUE, DEC 06 2016 21:33

MACHINE SPEED

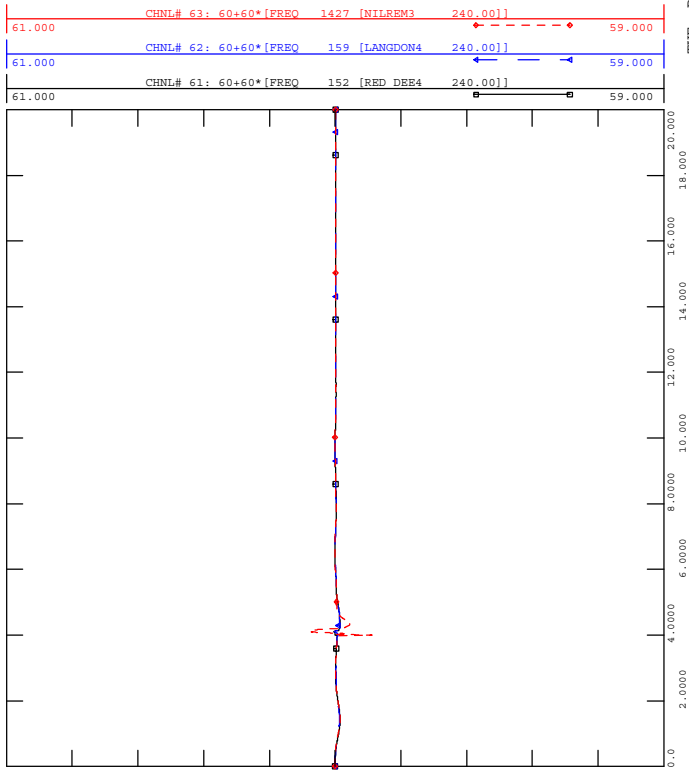


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7

TUE, DEC 06 2016 21:33

FREQUENCY

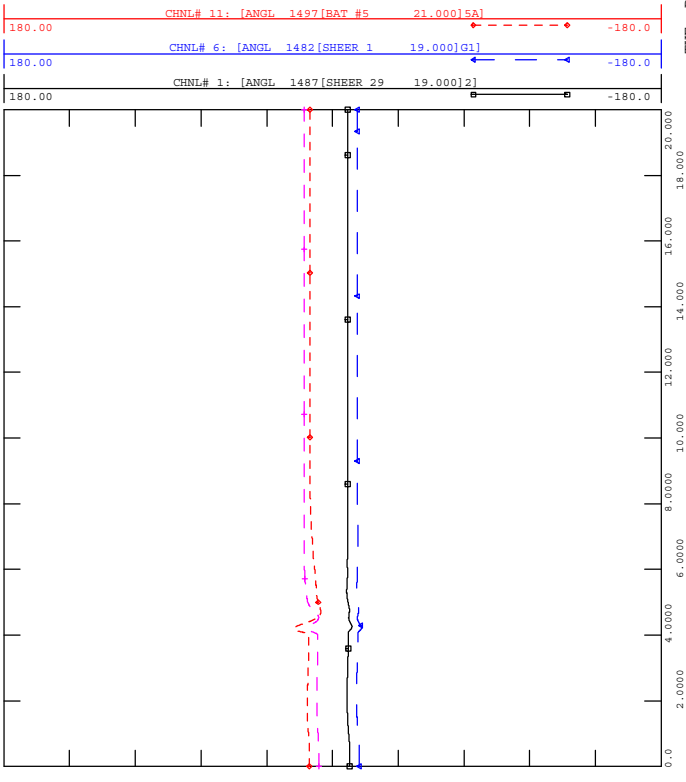


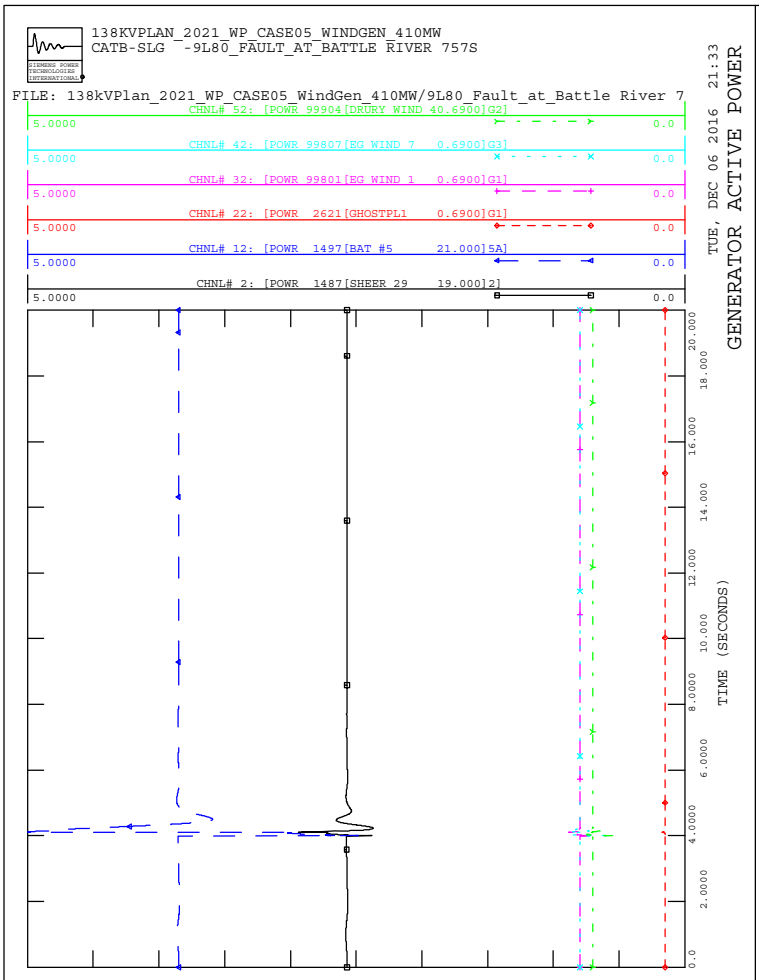
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

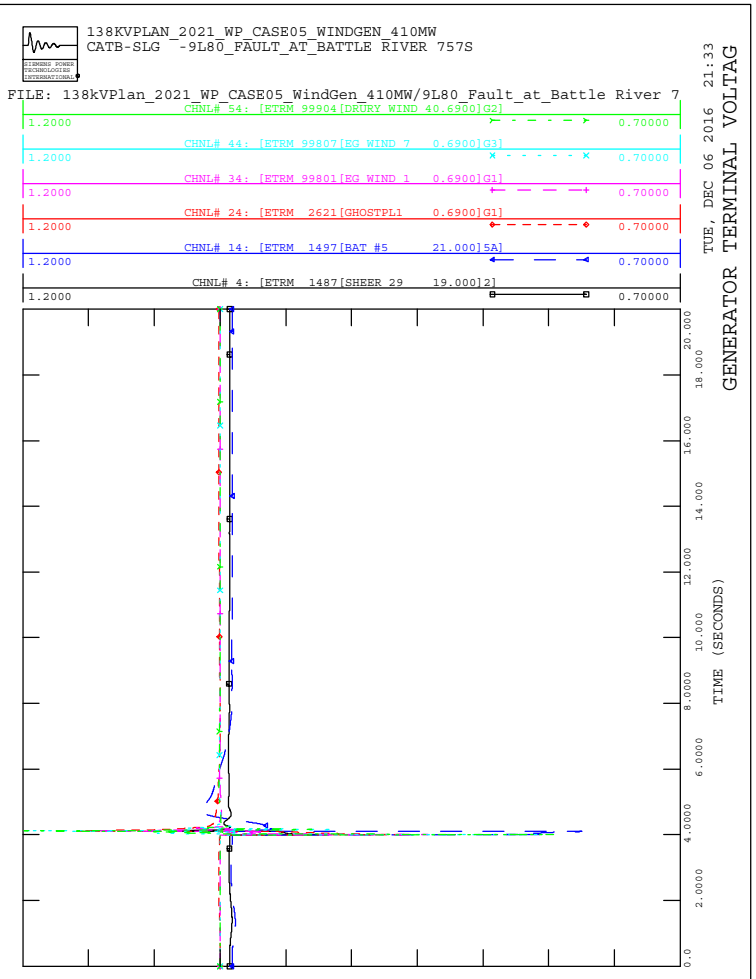
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7

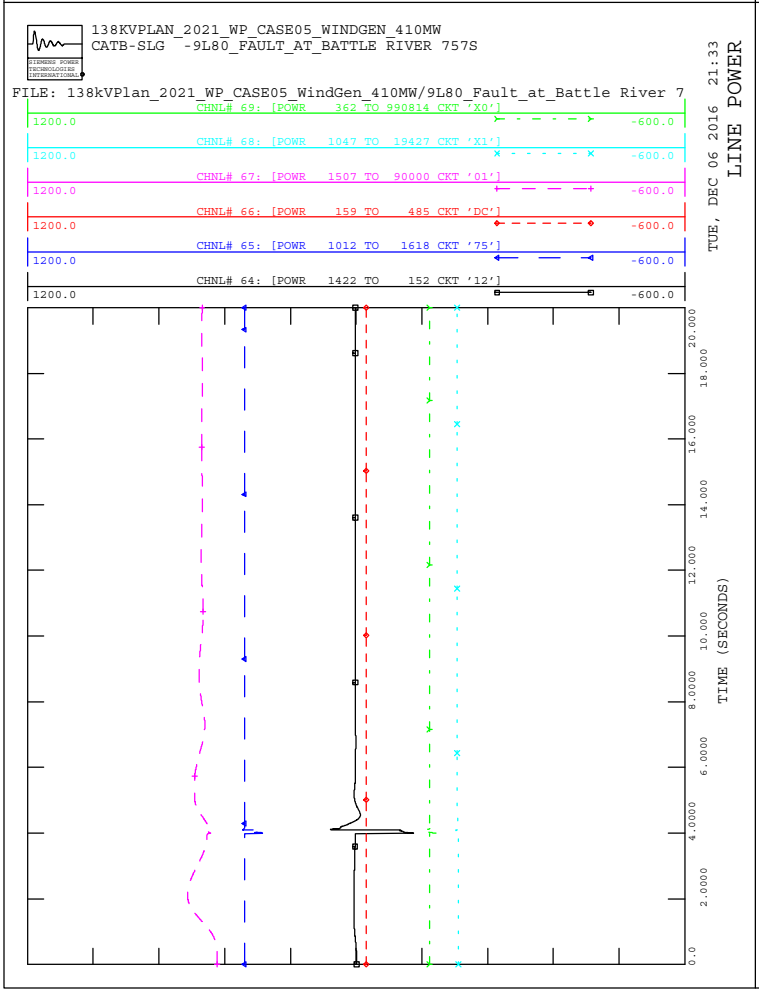
TUE, DEC 06 2016 21:33

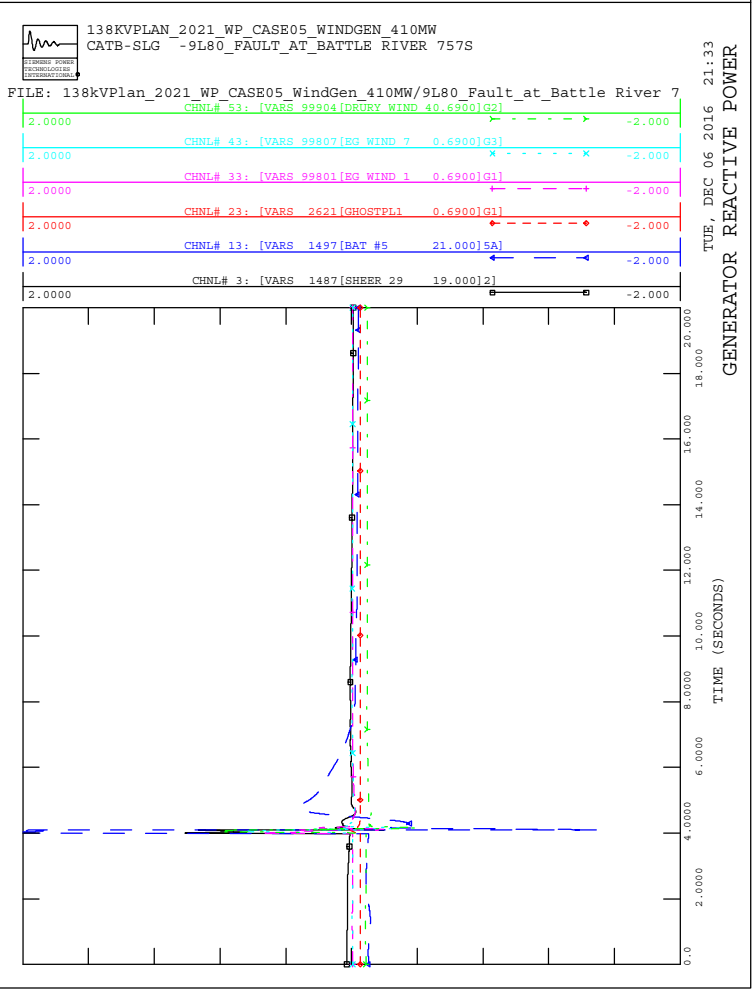
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)

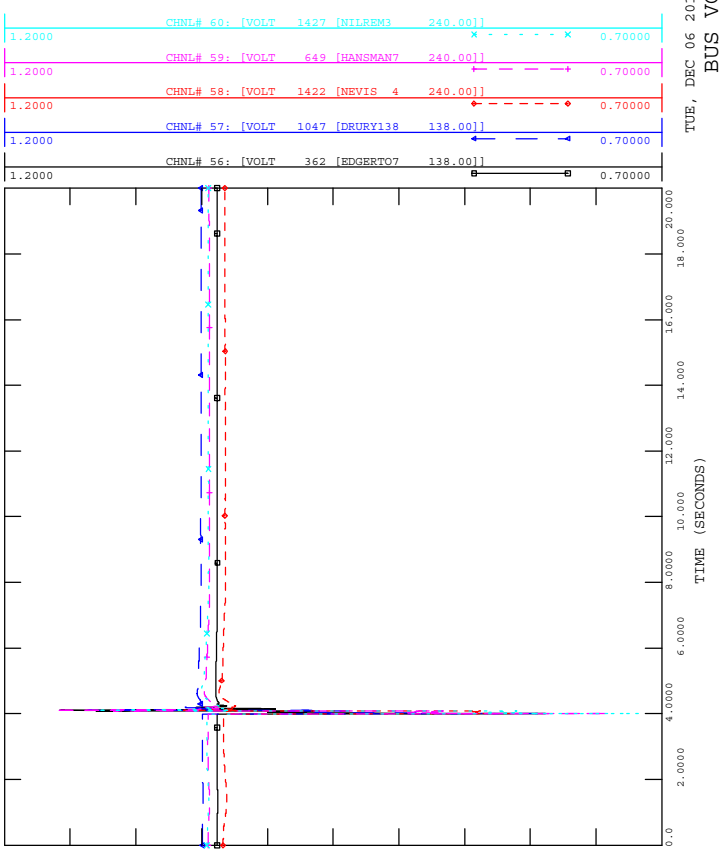

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

BUS VOLTAGE

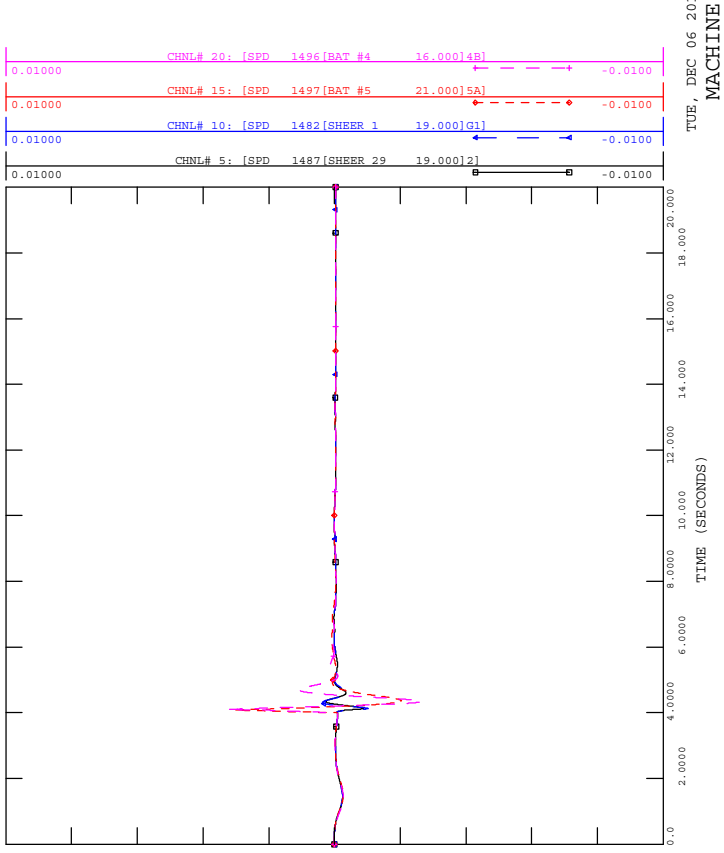


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

MACHINE SPEED

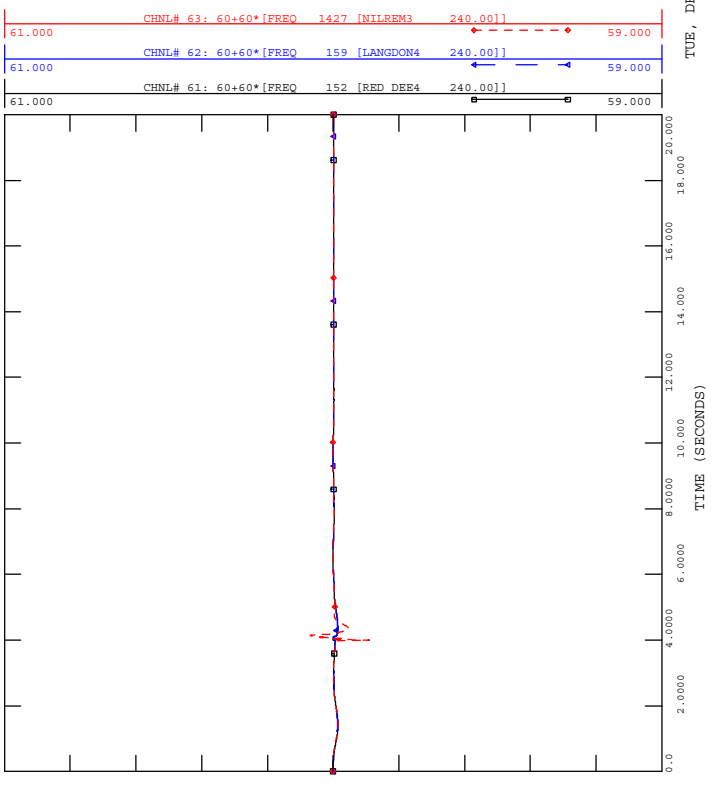


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

FREQUENCY

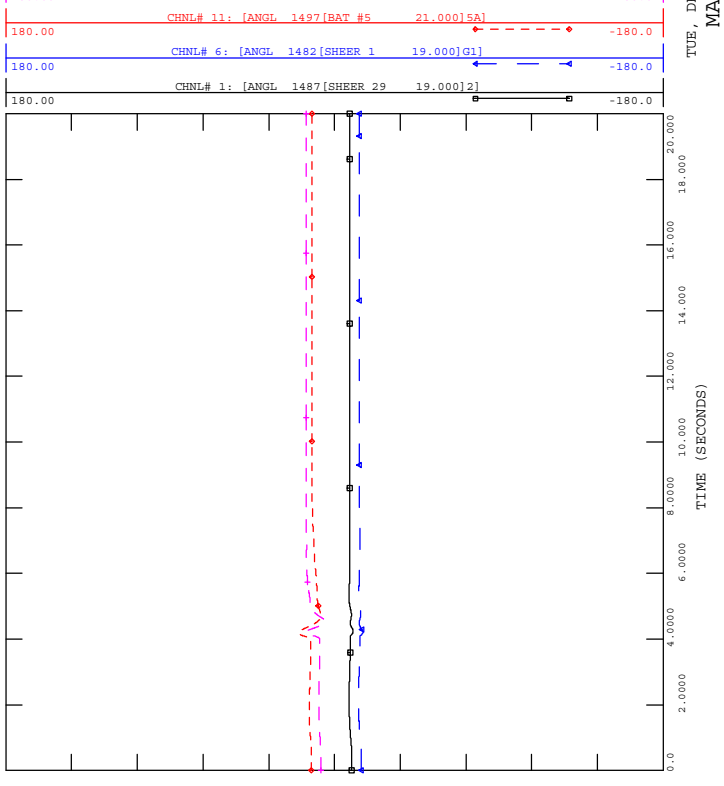


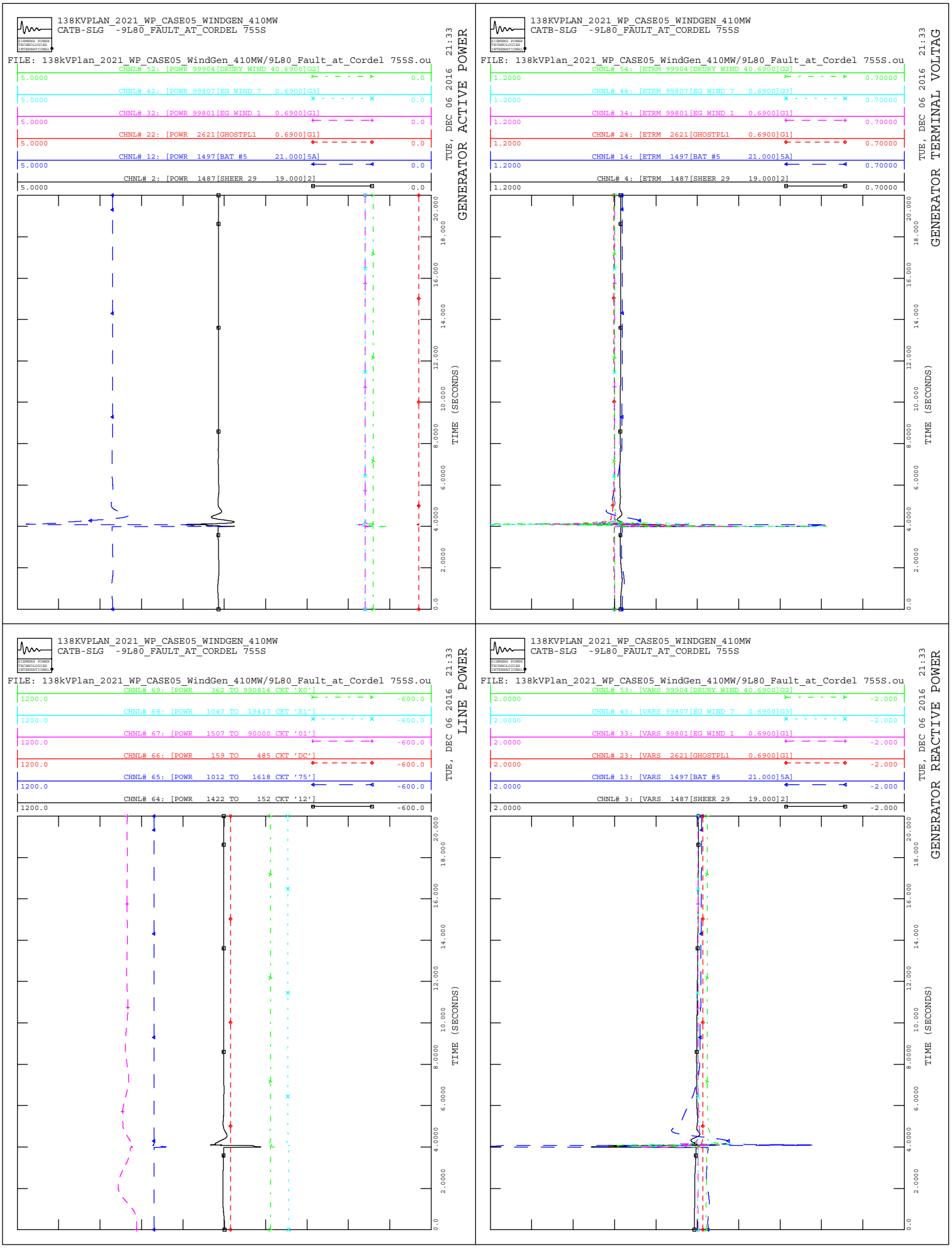
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou

TUE, DEC 06 2016 21:33

MACHINE ANGLE



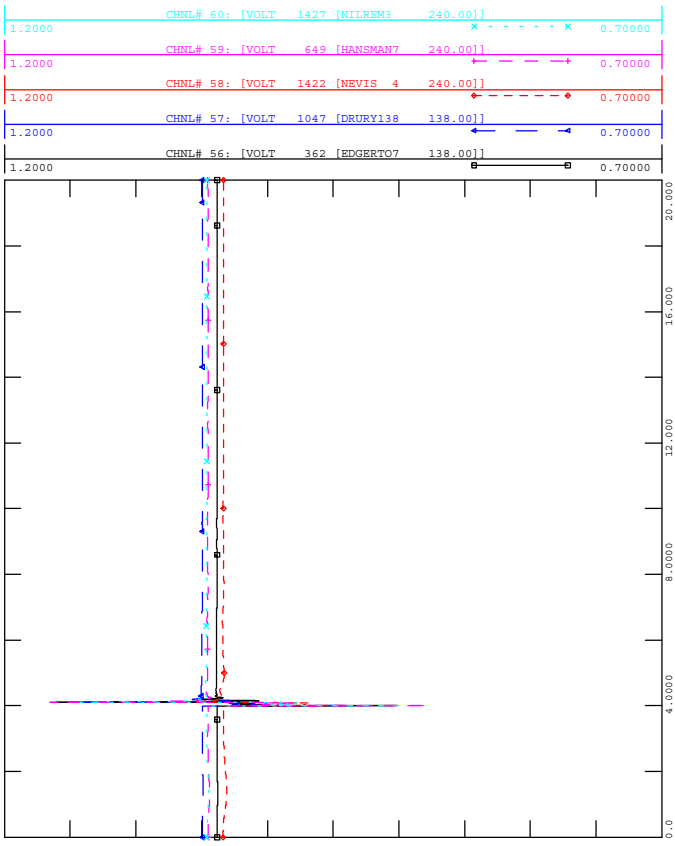

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_Fault_at_Cordel 755S.ou
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:33

BUS VOLTAGE

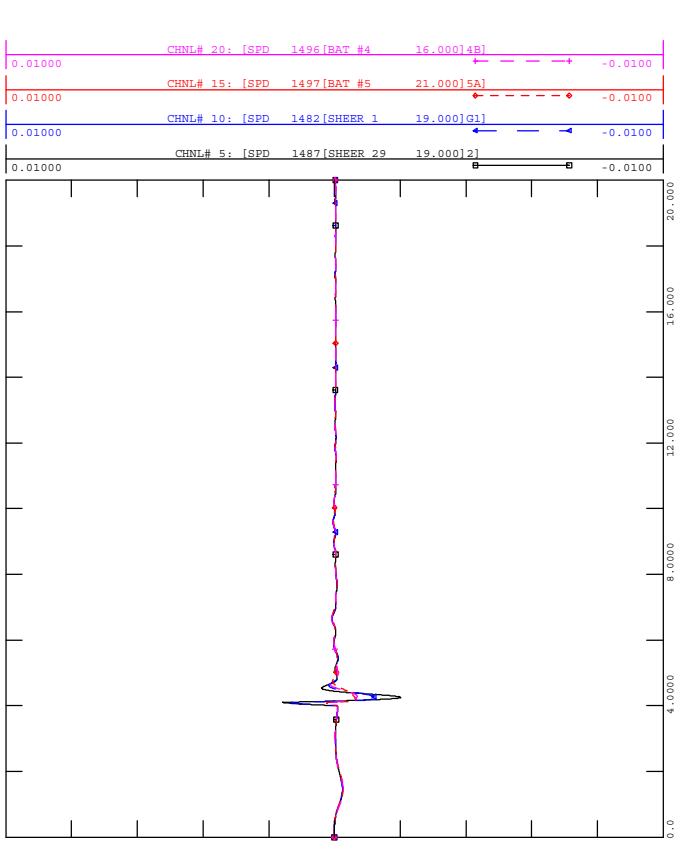


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:33

MACHINE SPEED

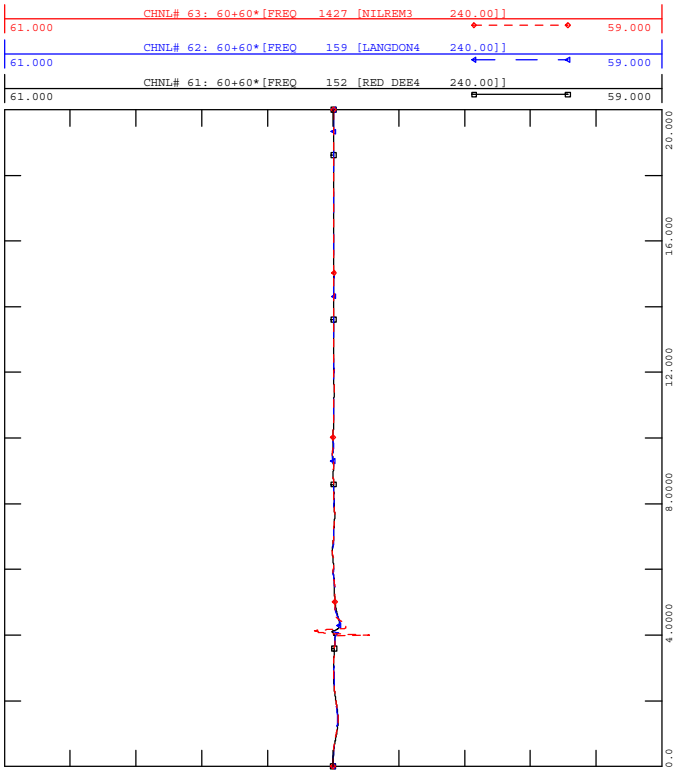


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o

TUE, DEC 06 2016 21:33

FREQUENCY

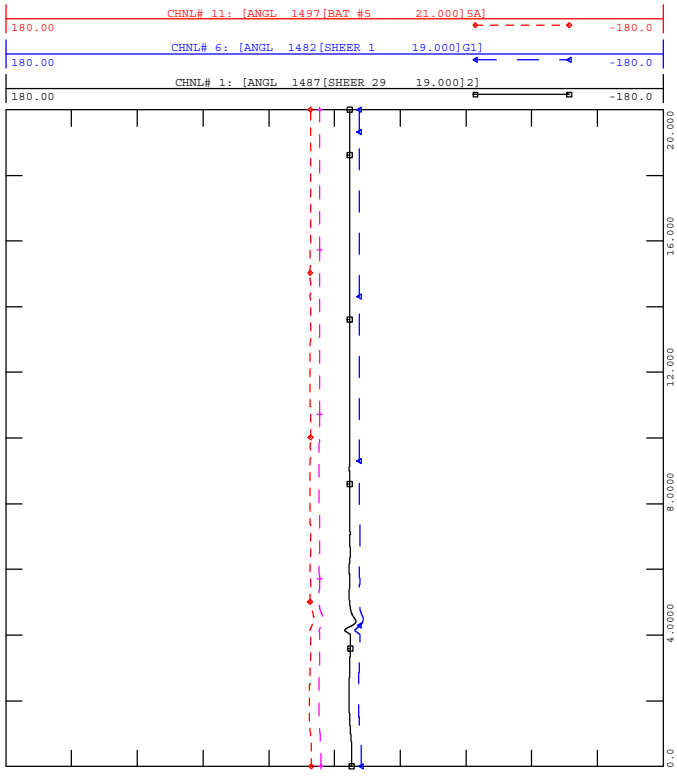


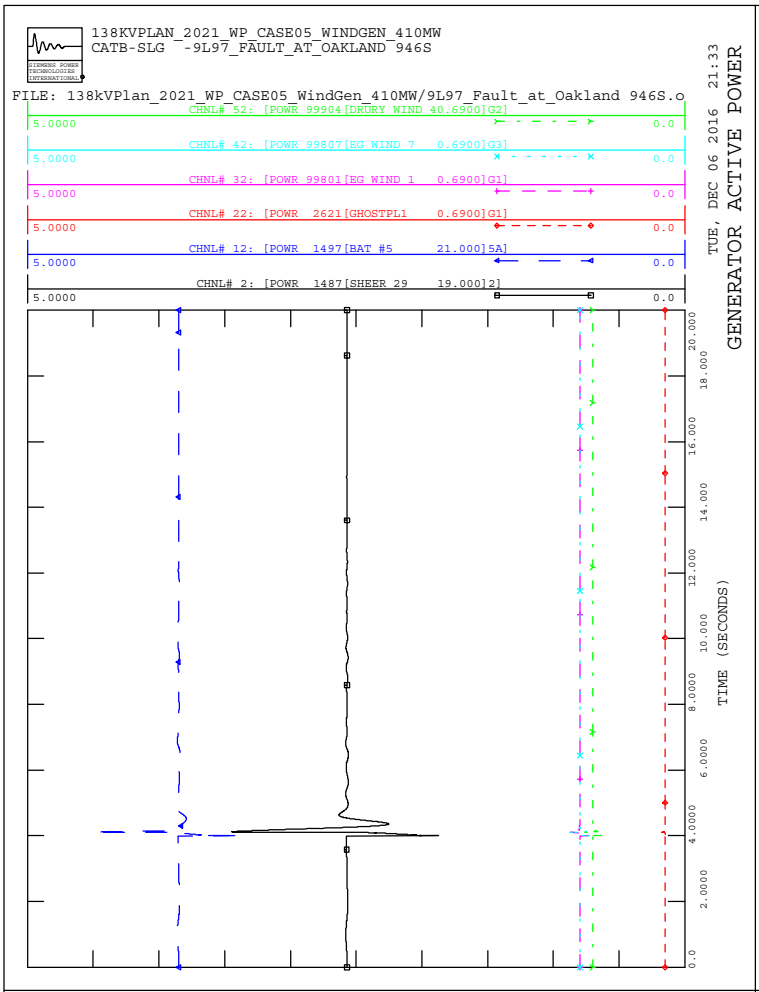
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

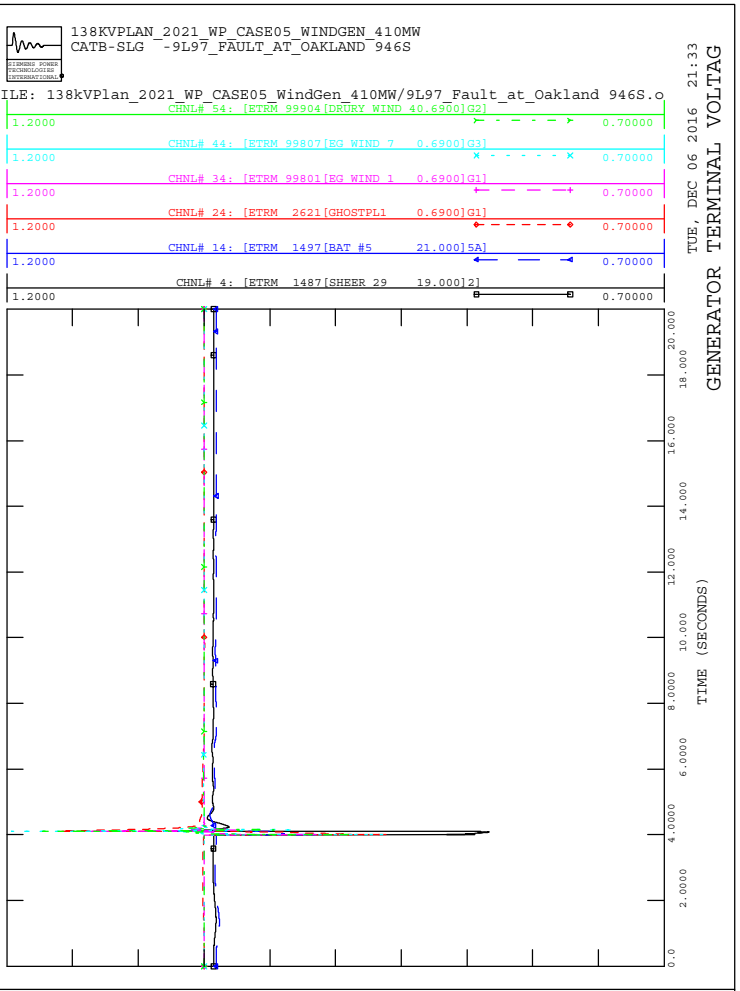
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o

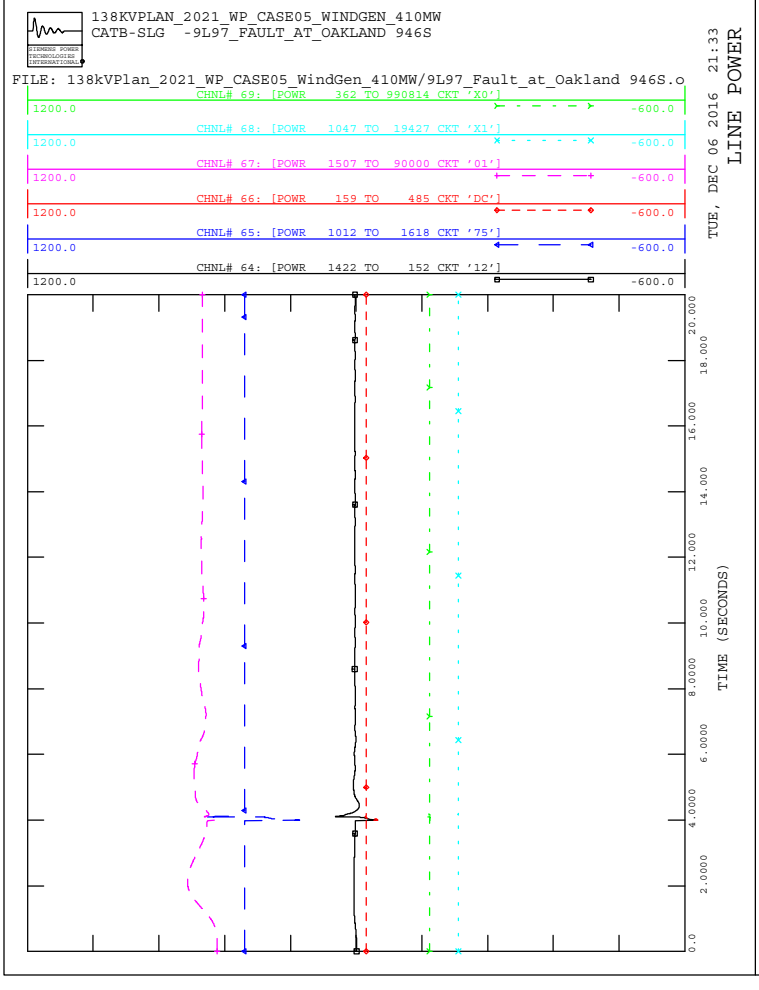
TUE, DEC 06 2016 21:33

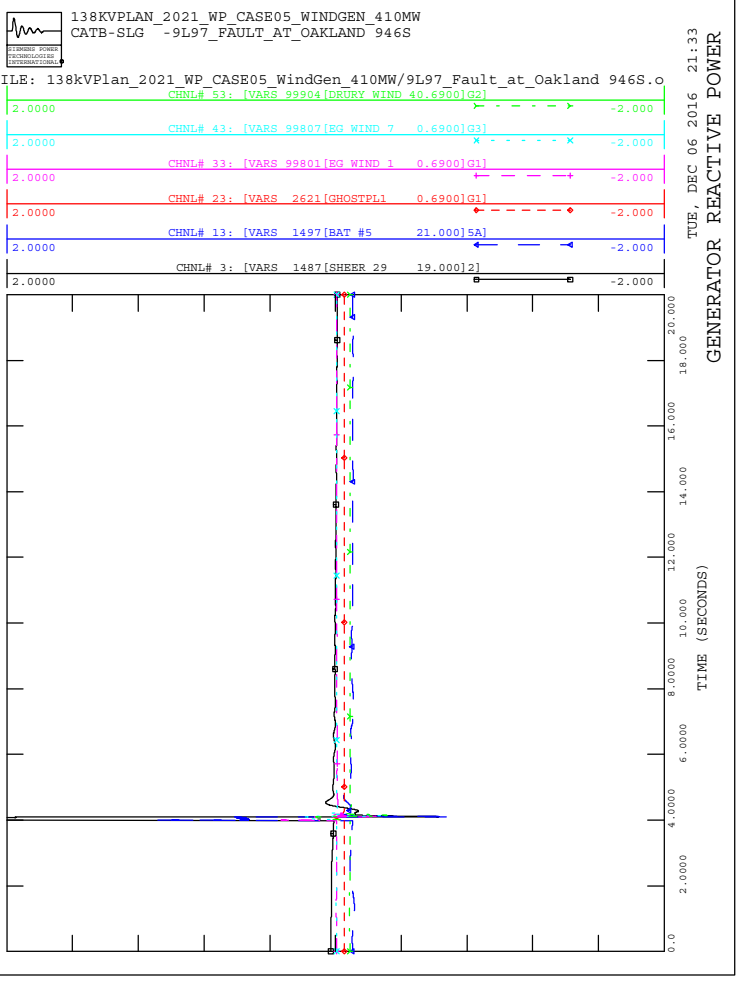
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:33
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)

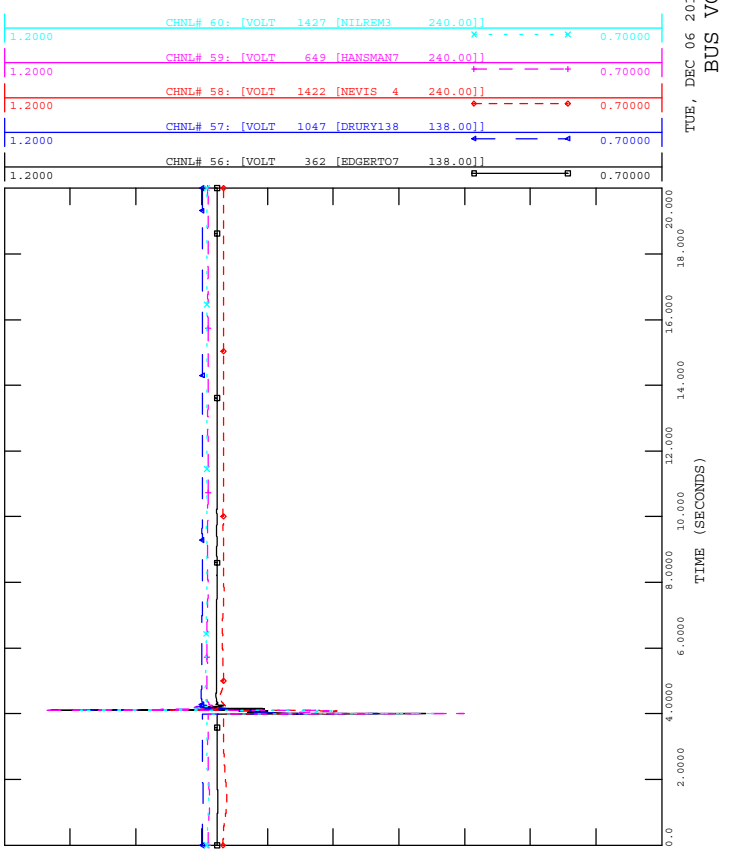

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Oakland 946S.o
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:33

BUS VOLTAGE

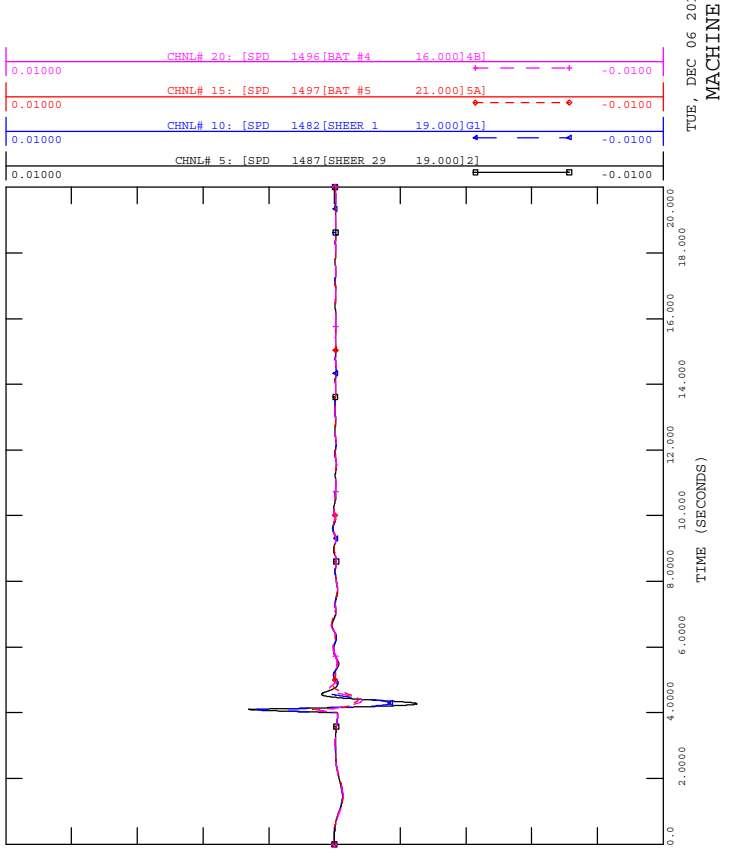


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:33

MACHINE SPEED

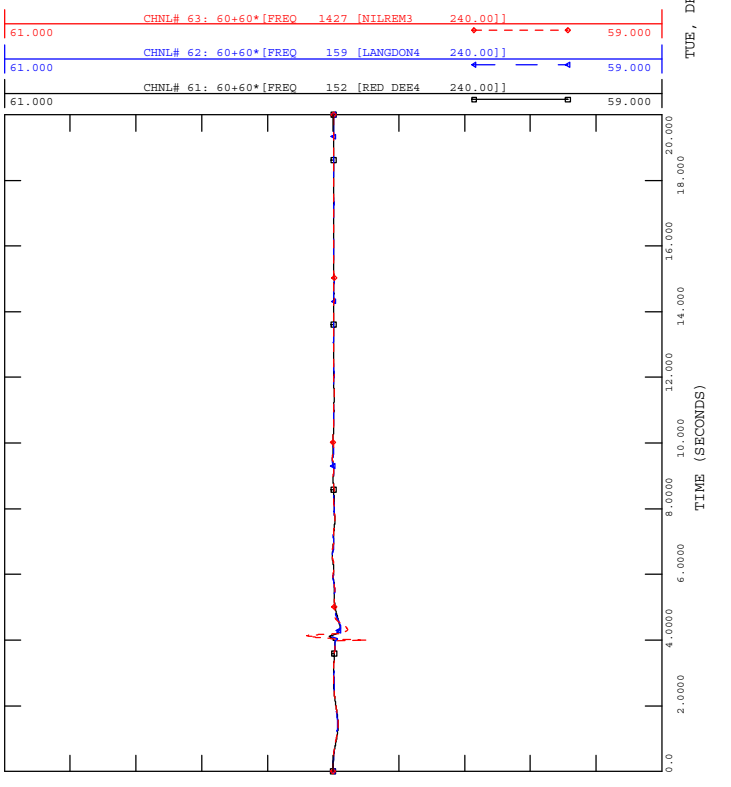


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.

TUE, DEC 06 2016 21:33

FREQUENCY

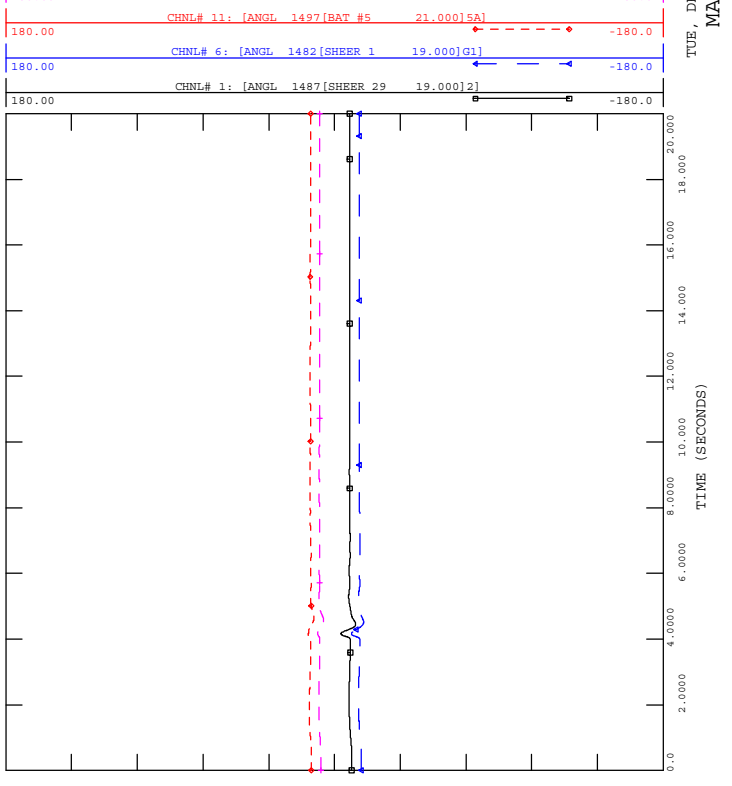


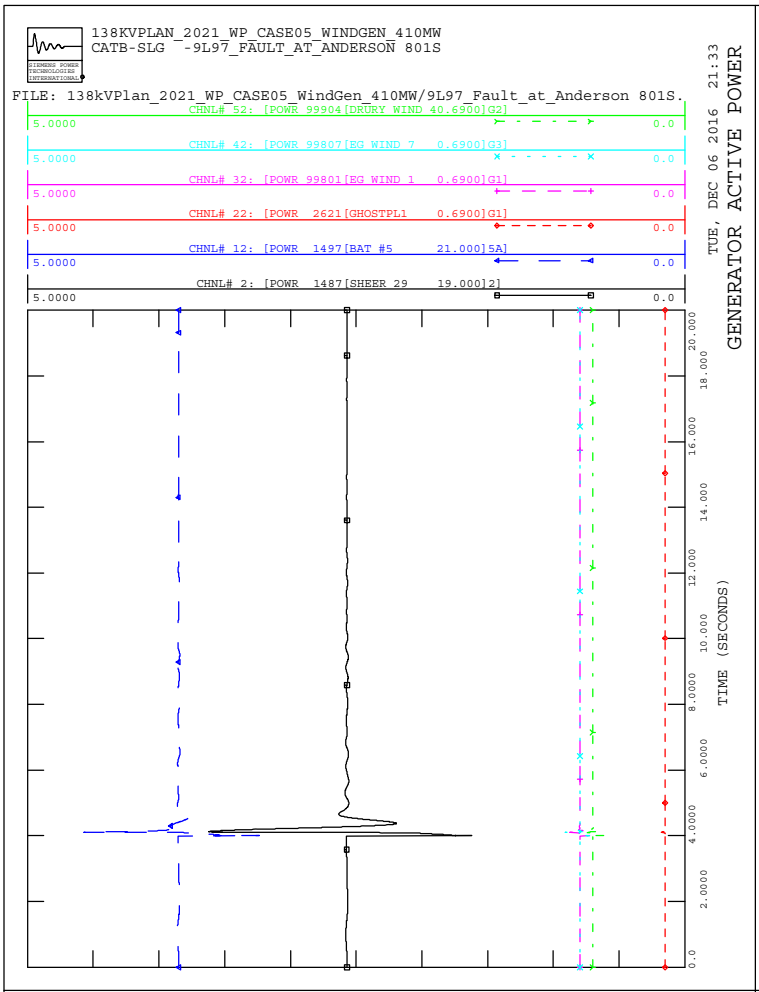
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

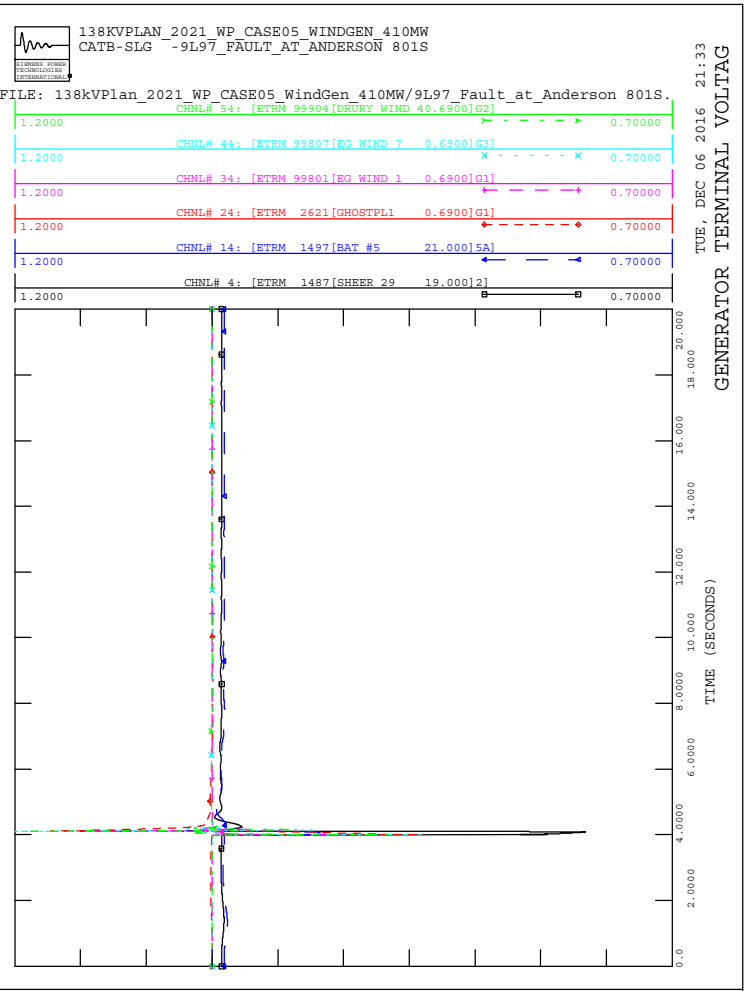
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.

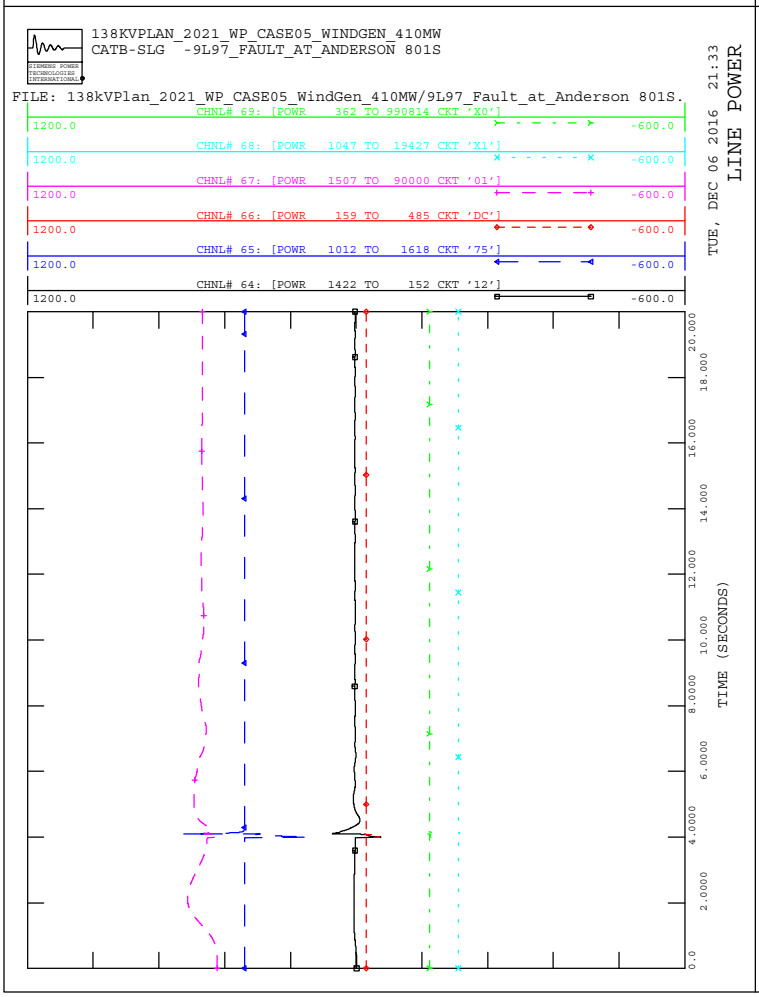
TUE, DEC 06 2016 21:33

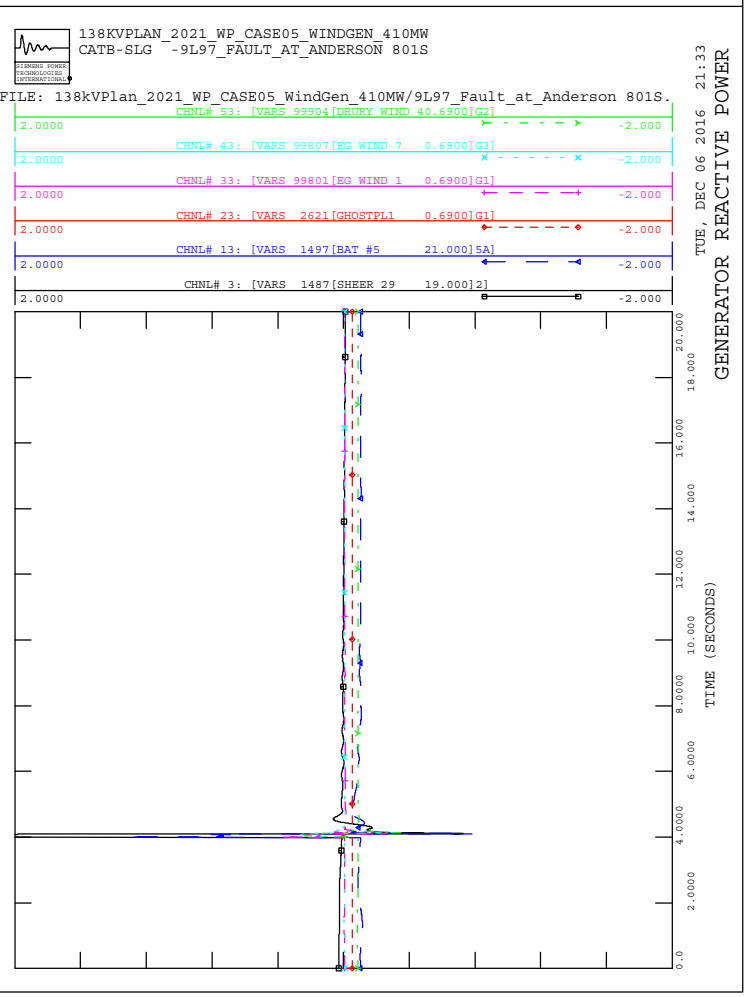
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)

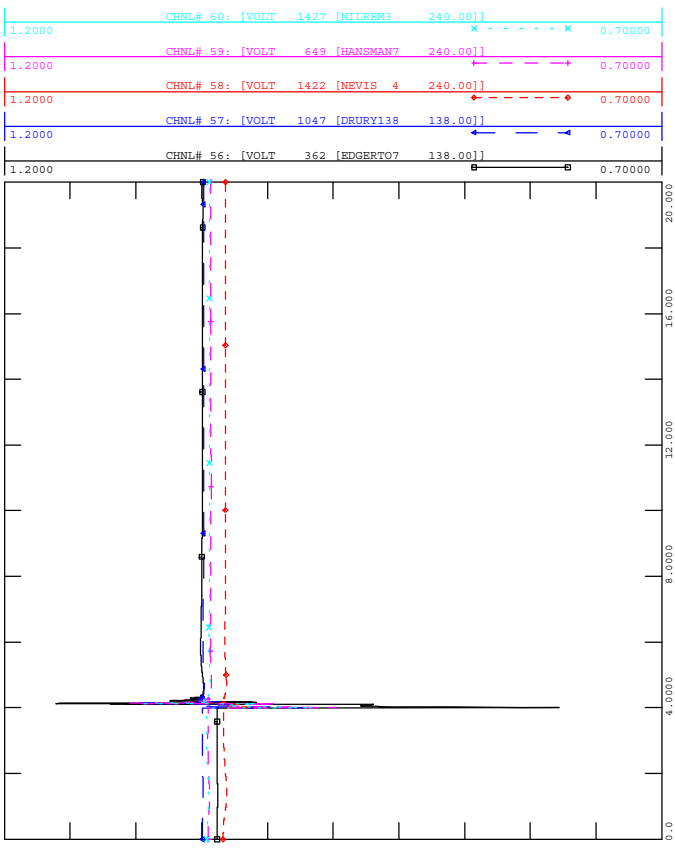

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_Fault_at_Anderson 801S.
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:33

BUS VOLTAGE

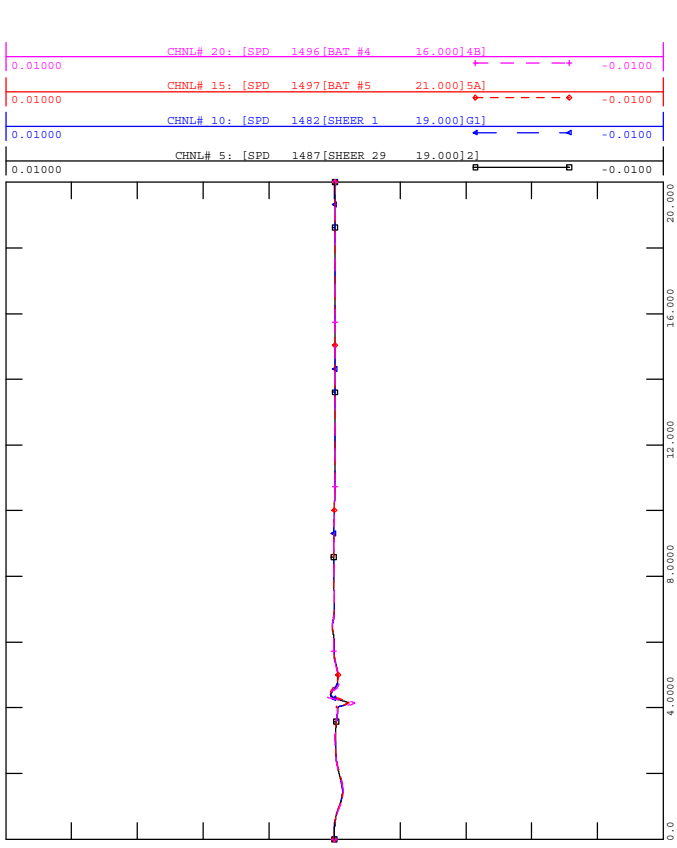


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:33

MACHINE SPEED

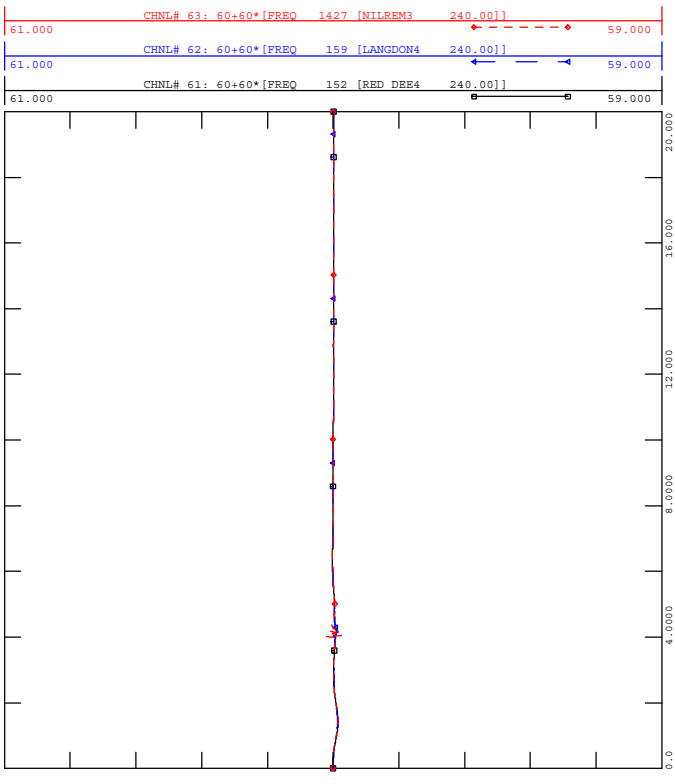


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:33

FREQUENCY

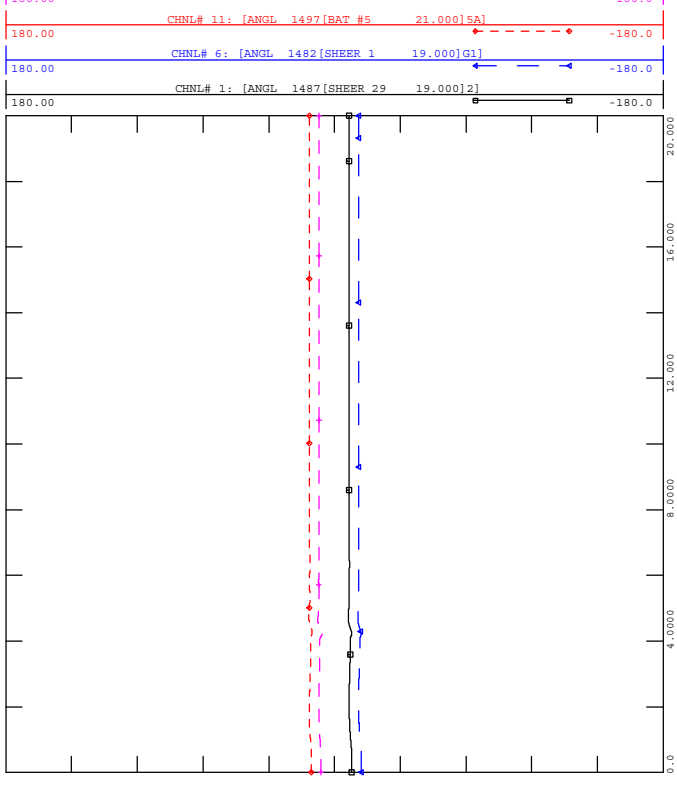


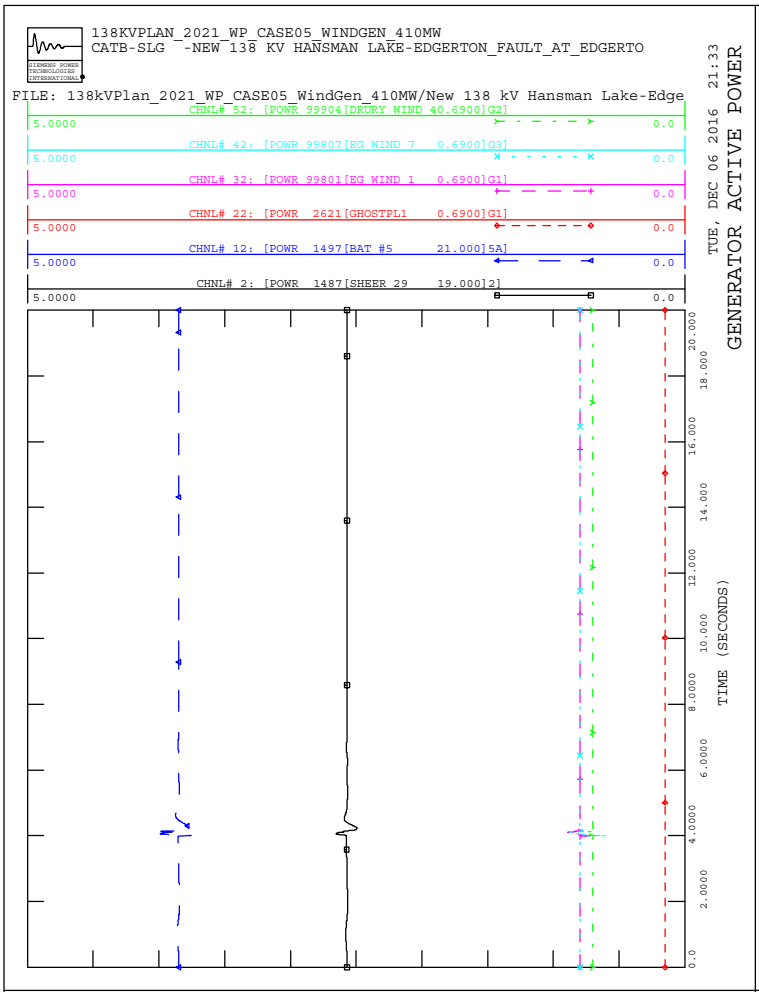
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

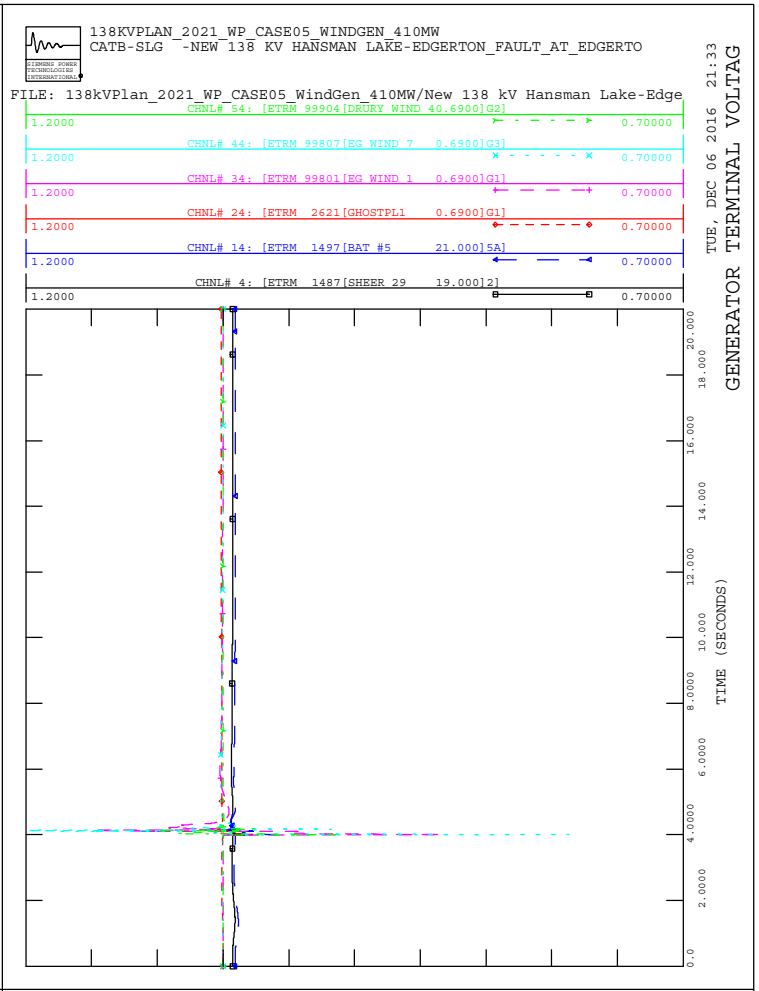
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

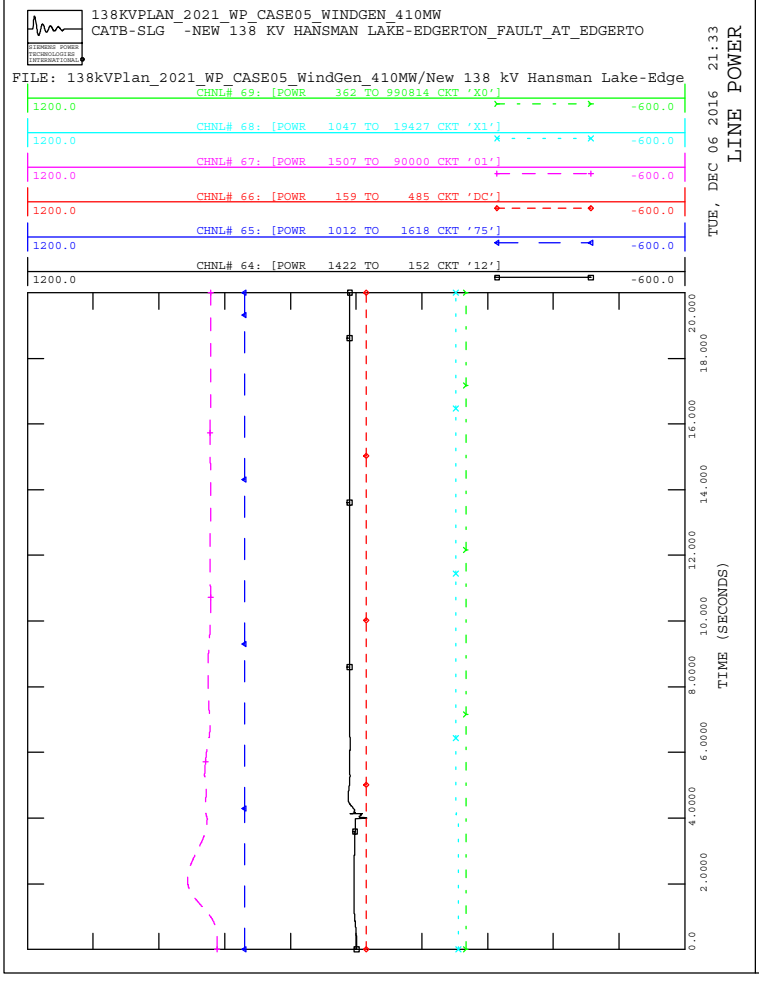
TUE, DEC 06 2016 21:33

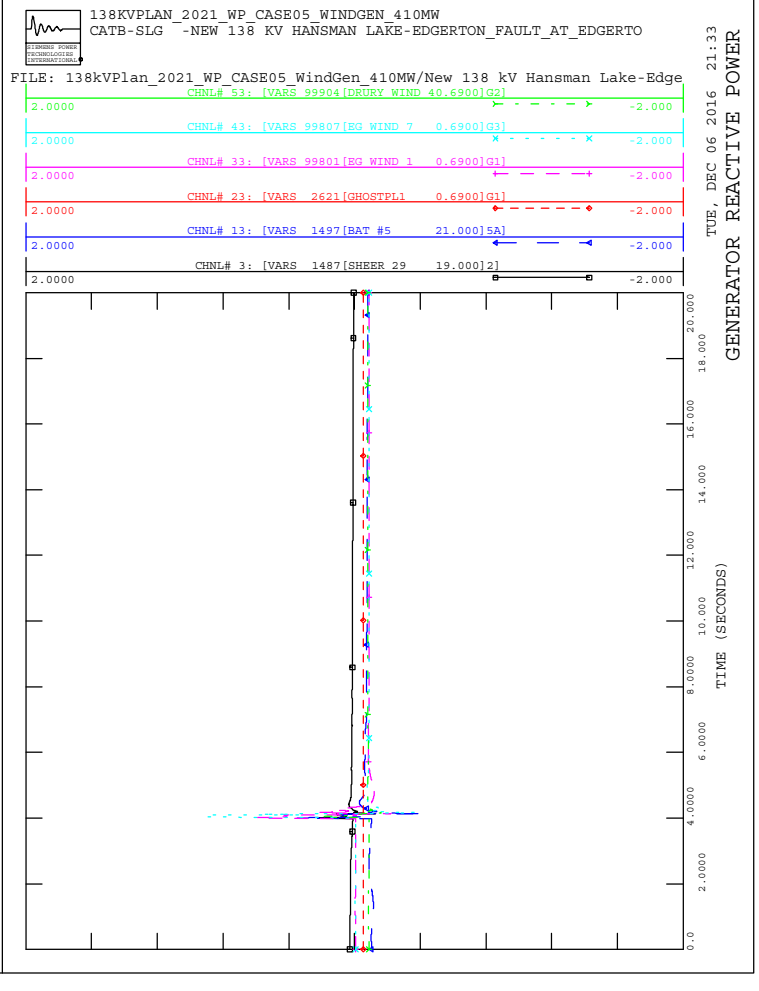
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)

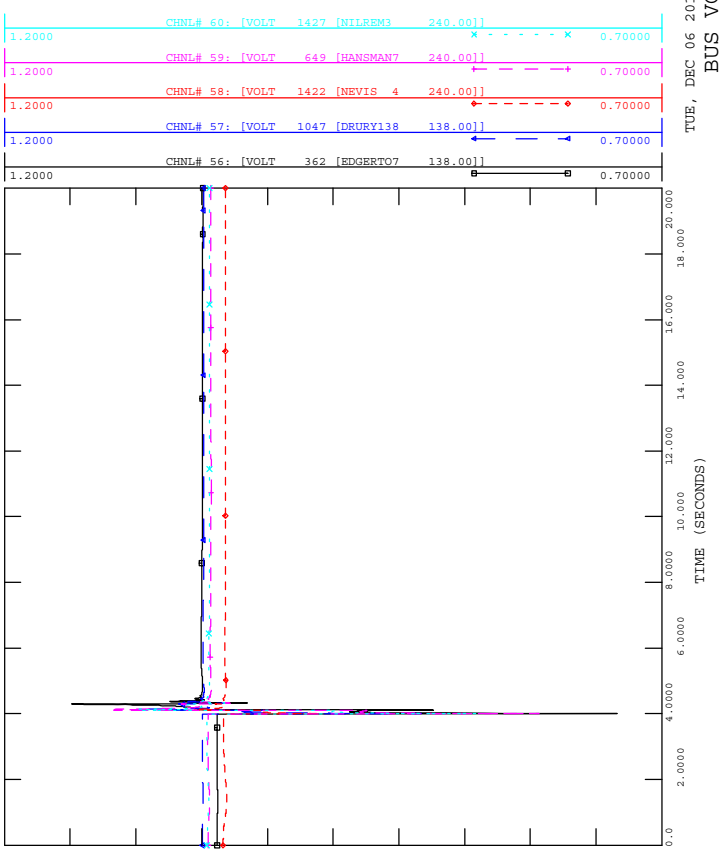

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:33

BUS VOLTAGE

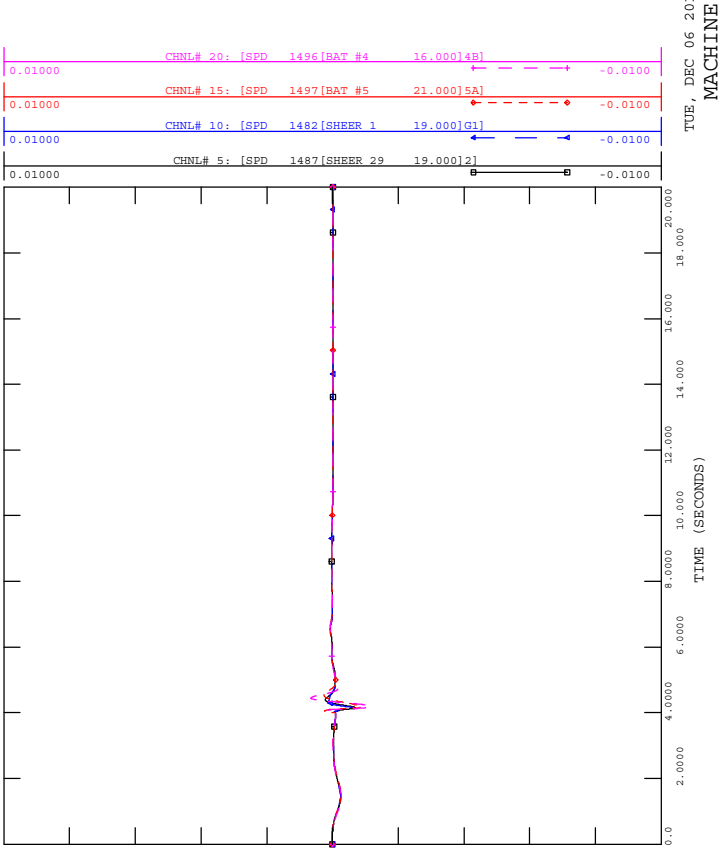


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:33

MACHINE SPEED

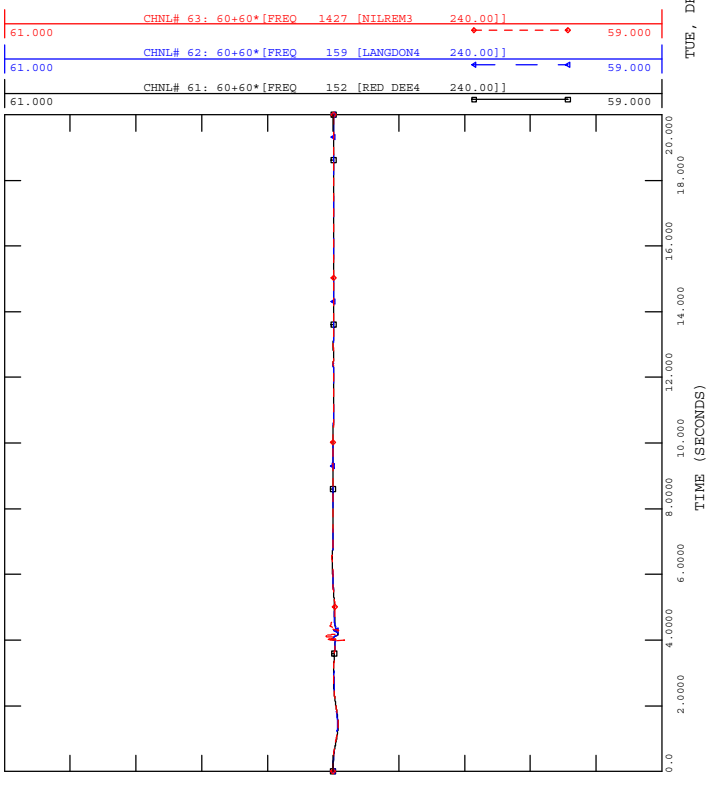


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 21:33

FREQUENCY

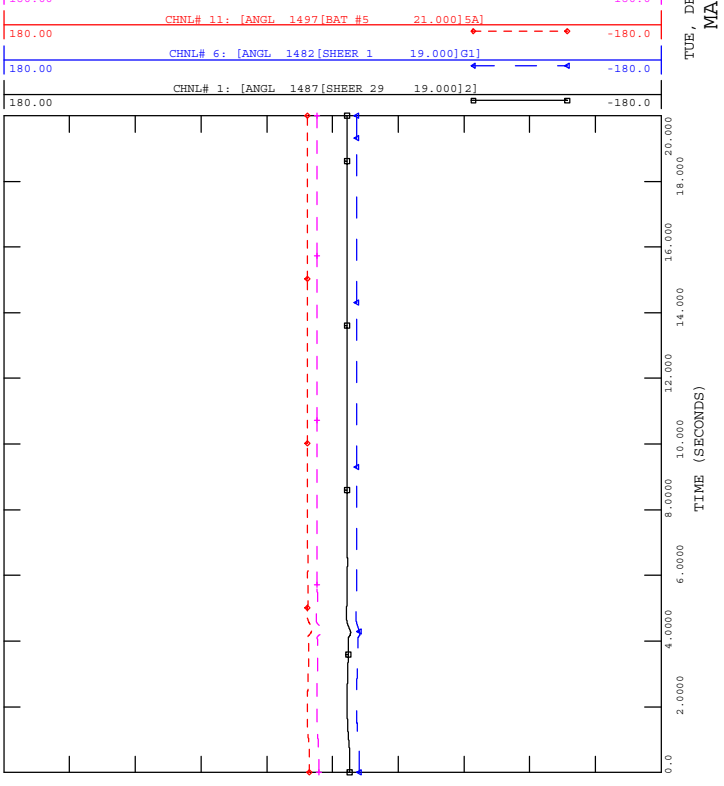


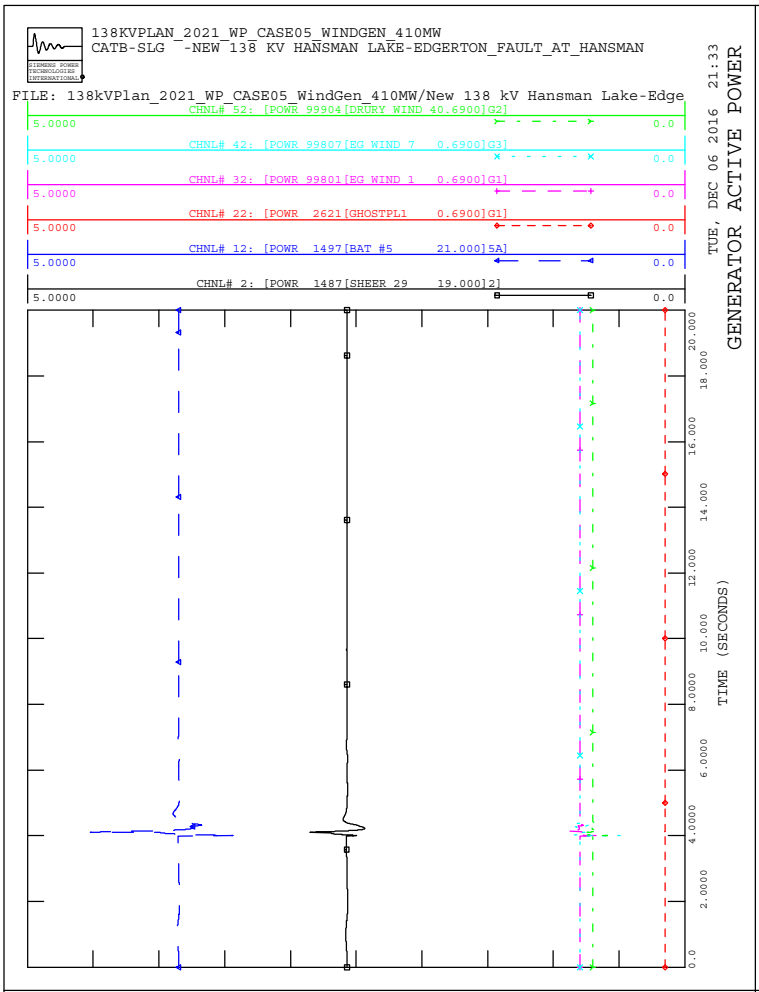
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

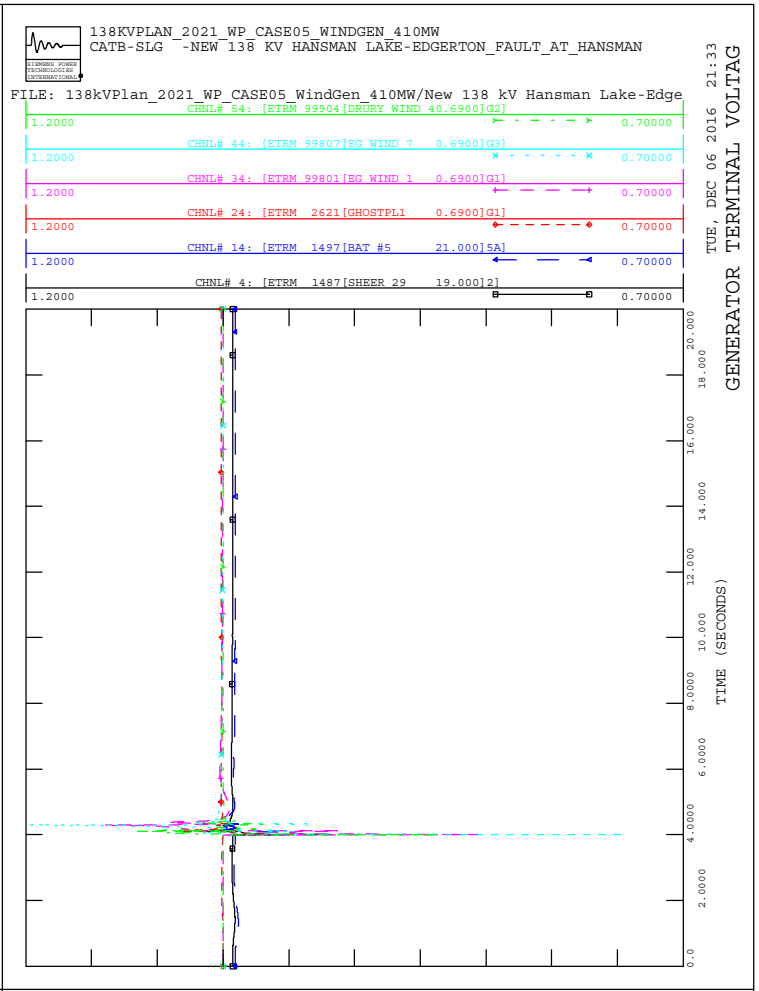
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge

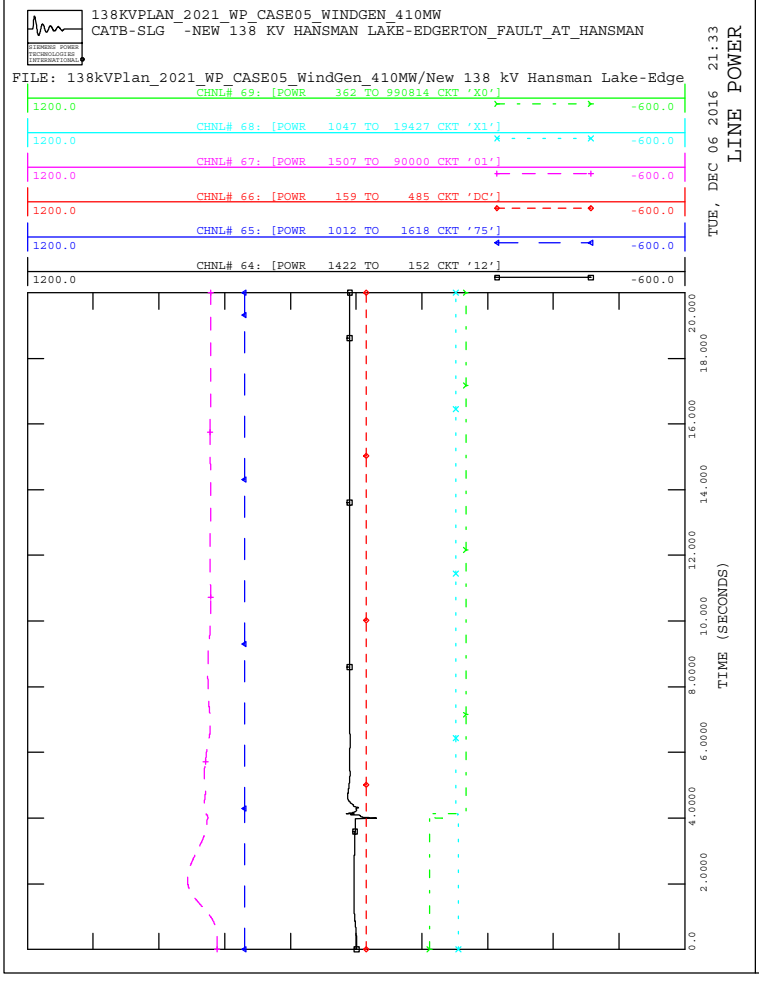
TUE, DEC 06 2016 21:33

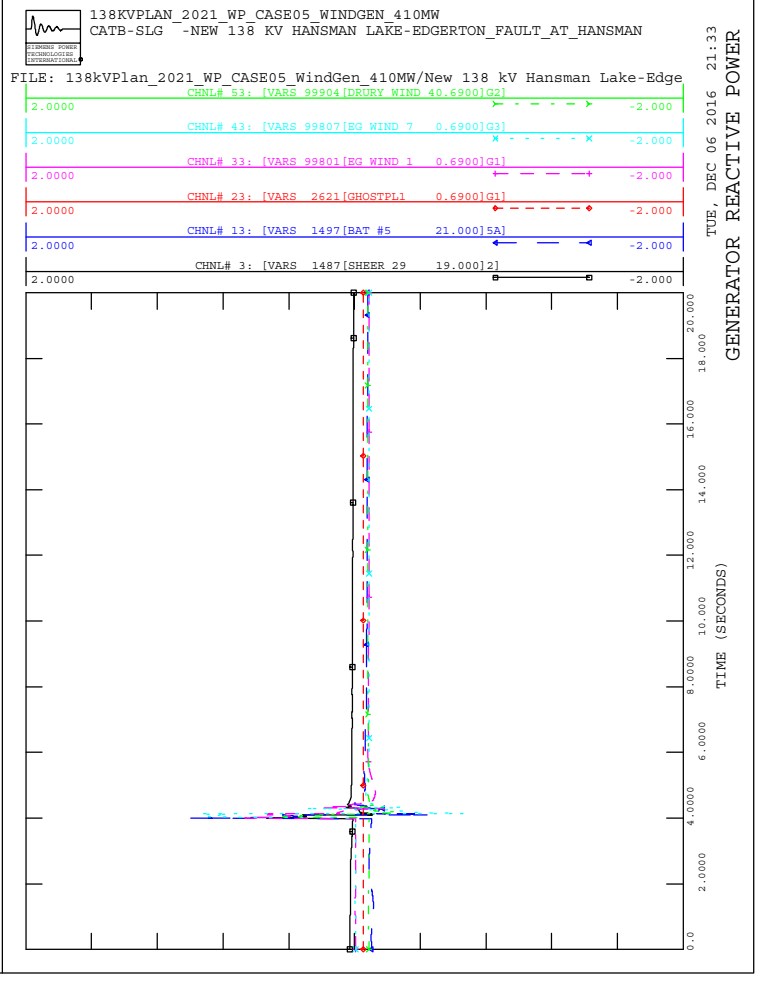
MACHINE ANGLE

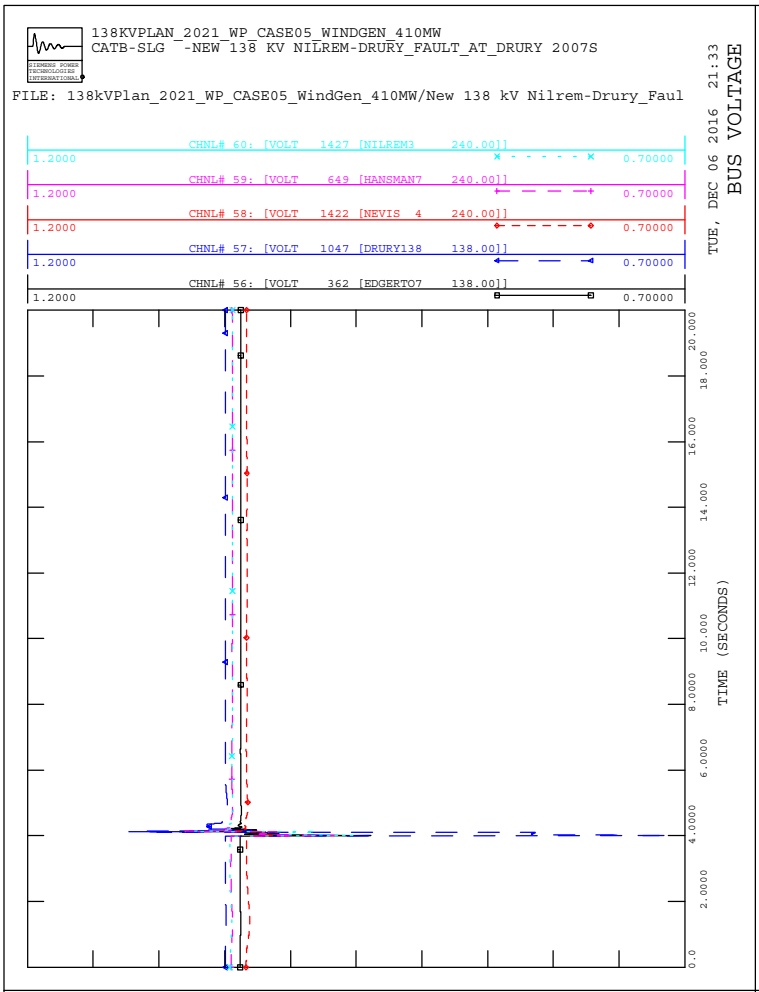


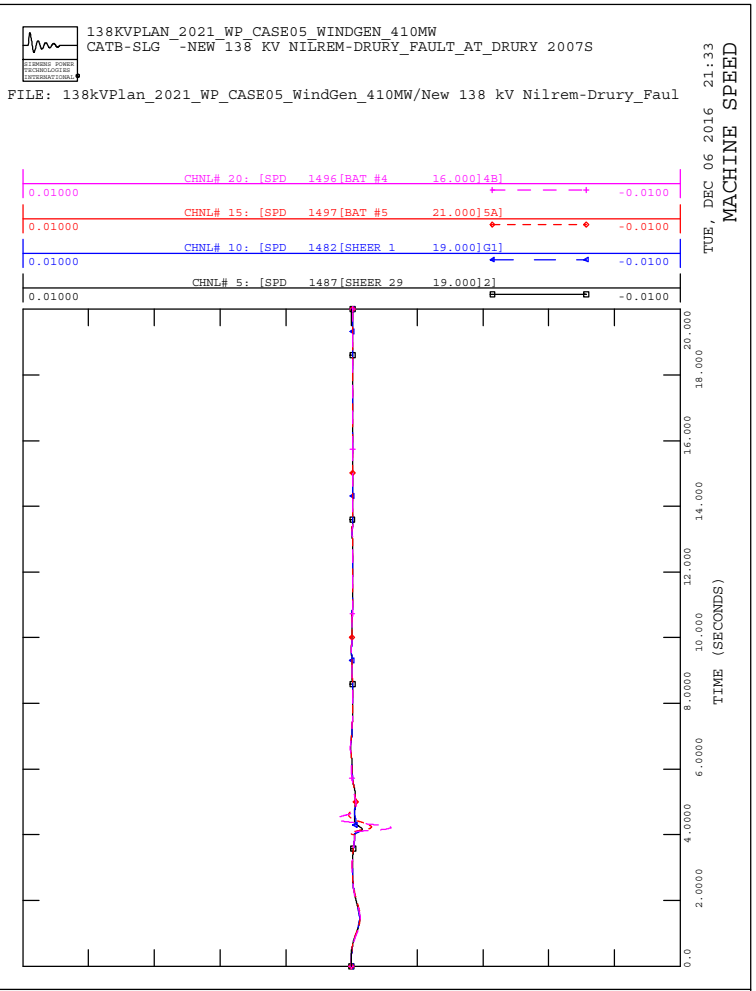

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)

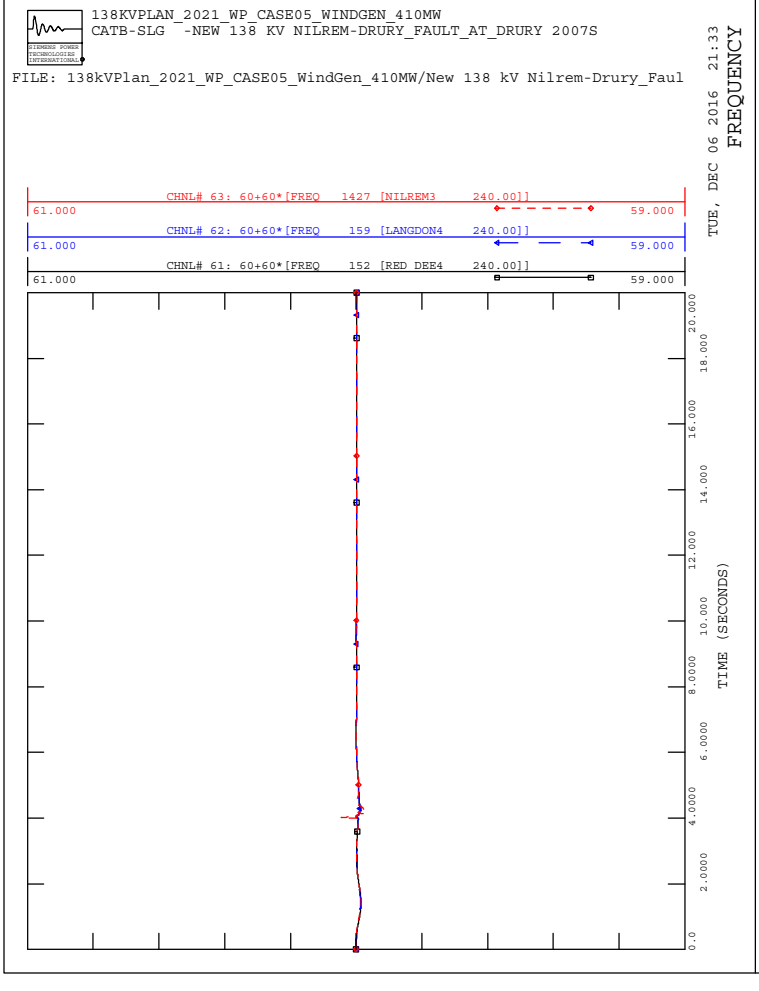

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

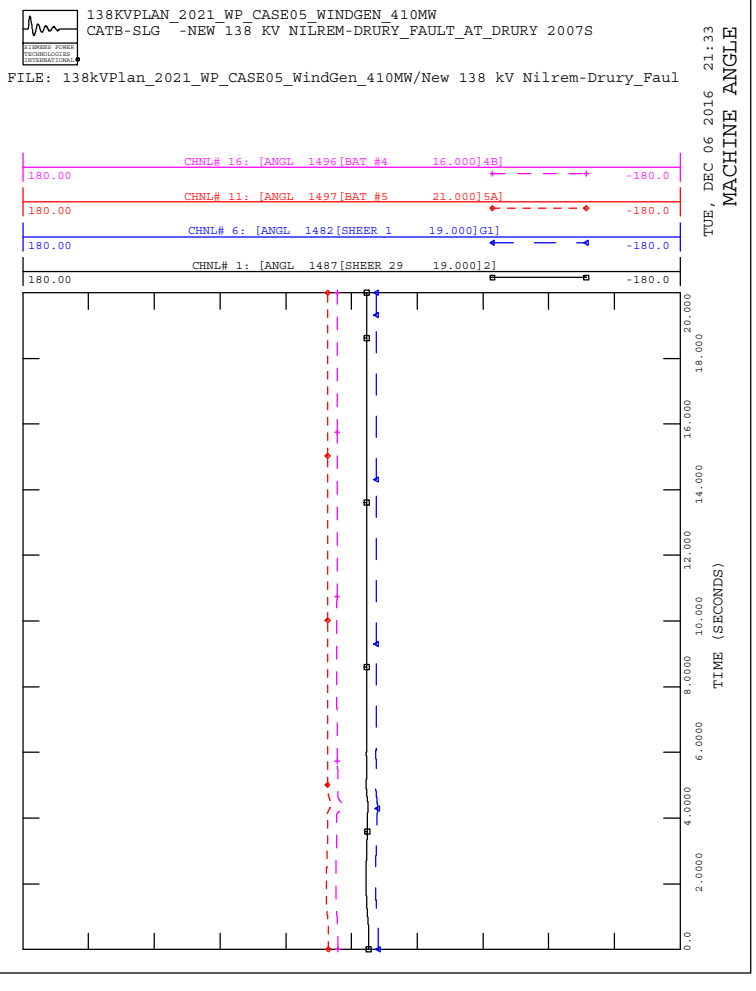

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)

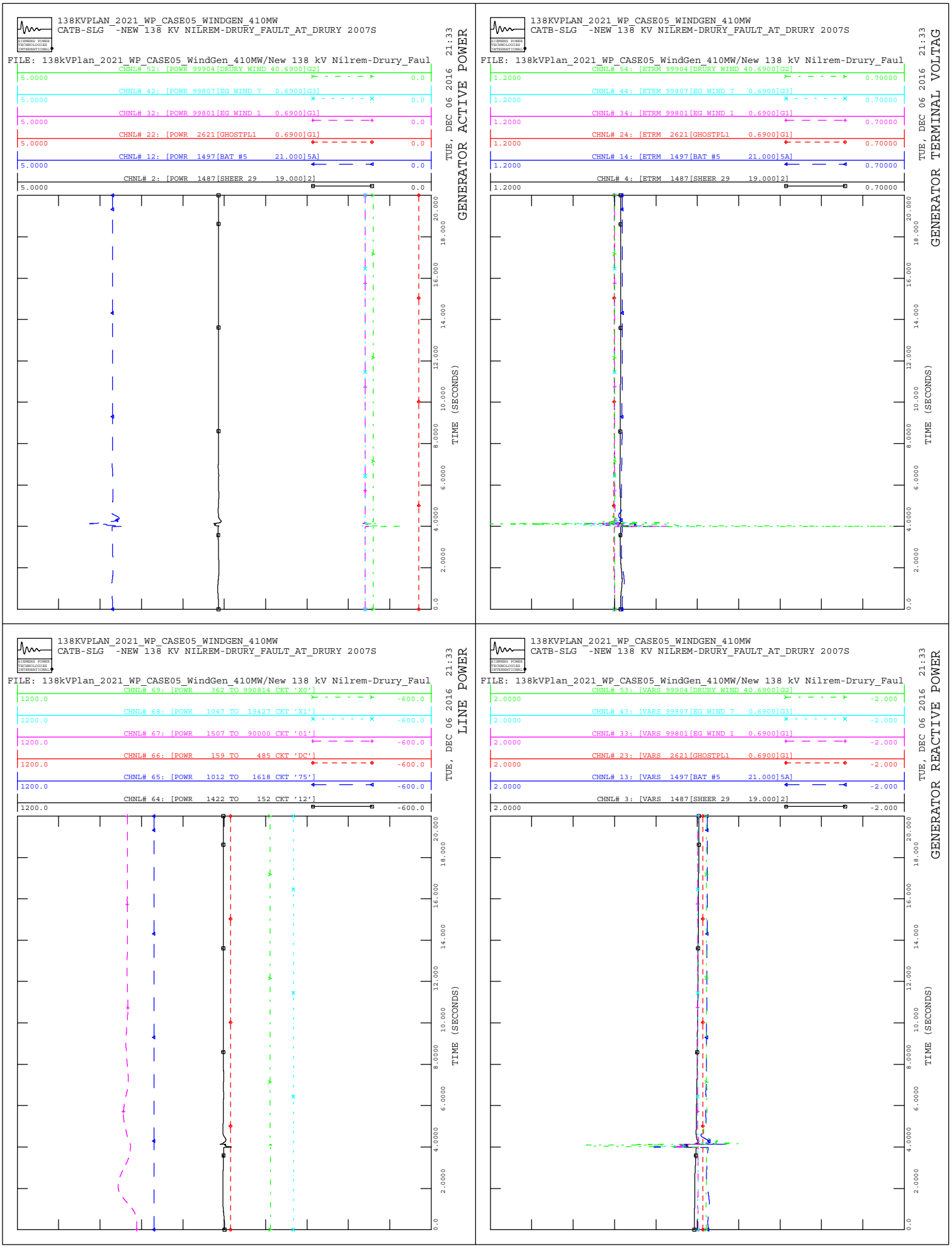

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
TUE, DEC 06 2016 21:33
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
TUE, DEC 06 2016 21:33
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
TUE, DEC 06 2016 21:33
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
TUE, DEC 06 2016 21:33
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

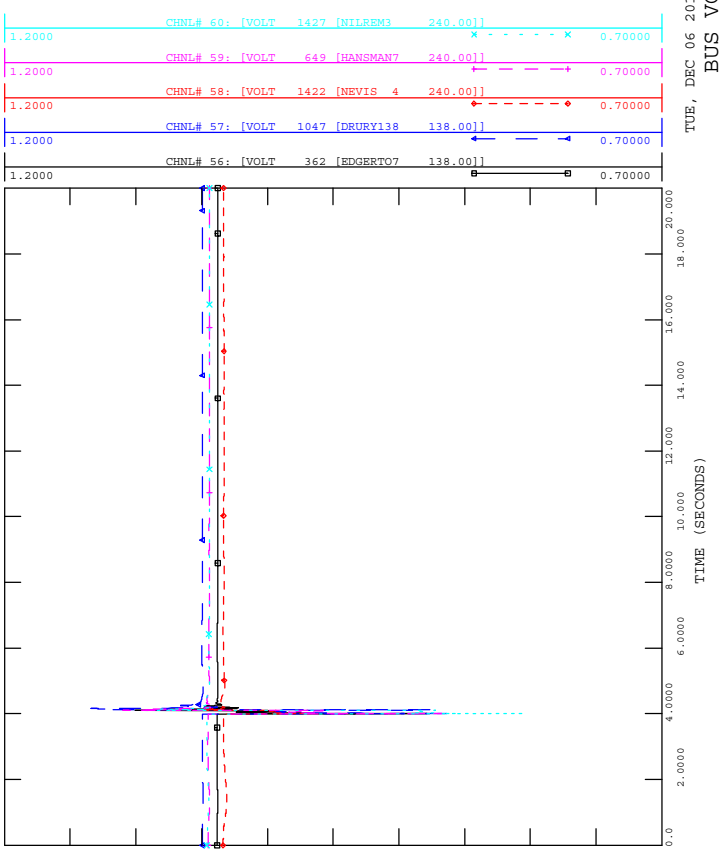

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:33

BUS VOLTAGE

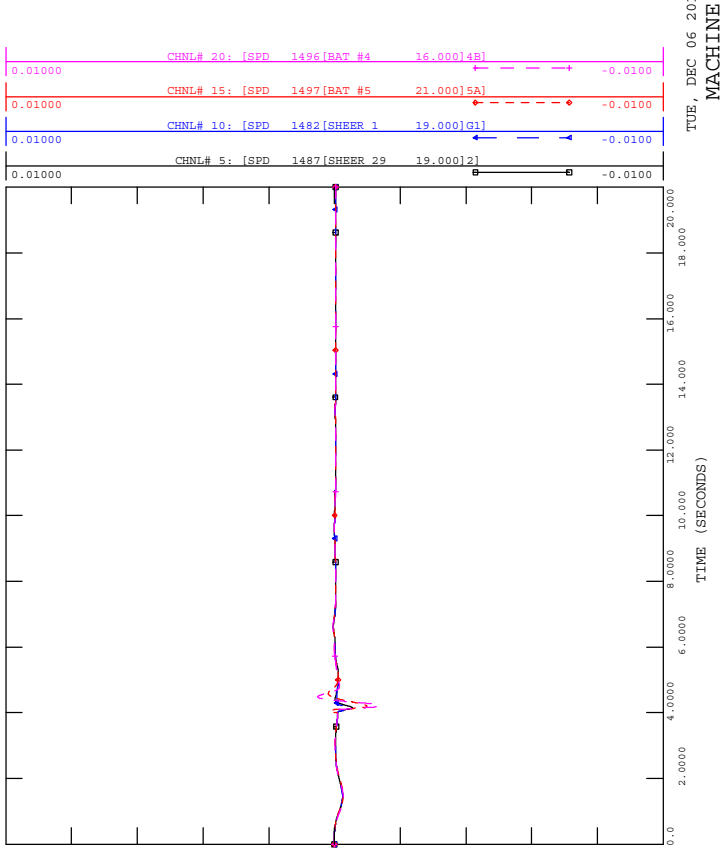


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:33

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:33

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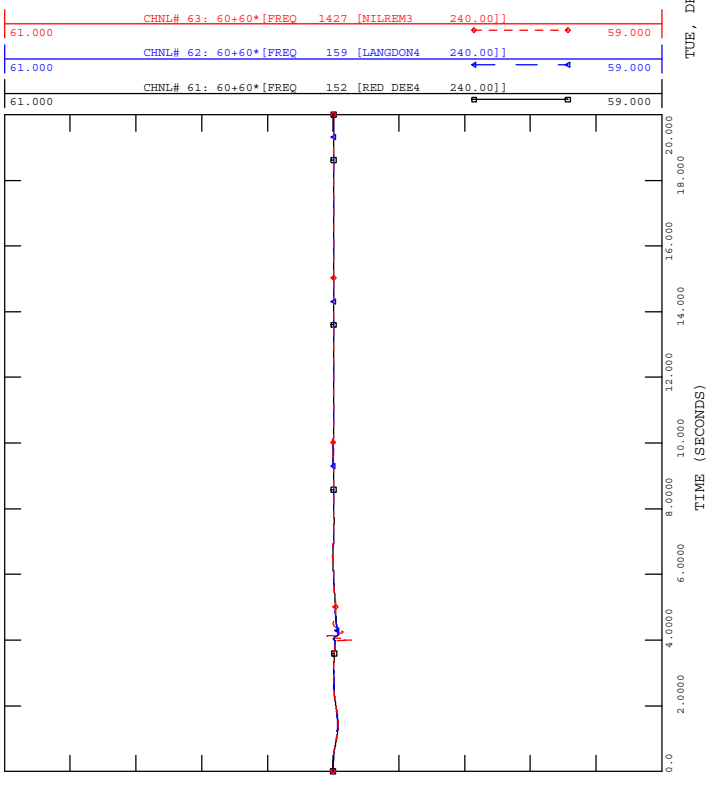
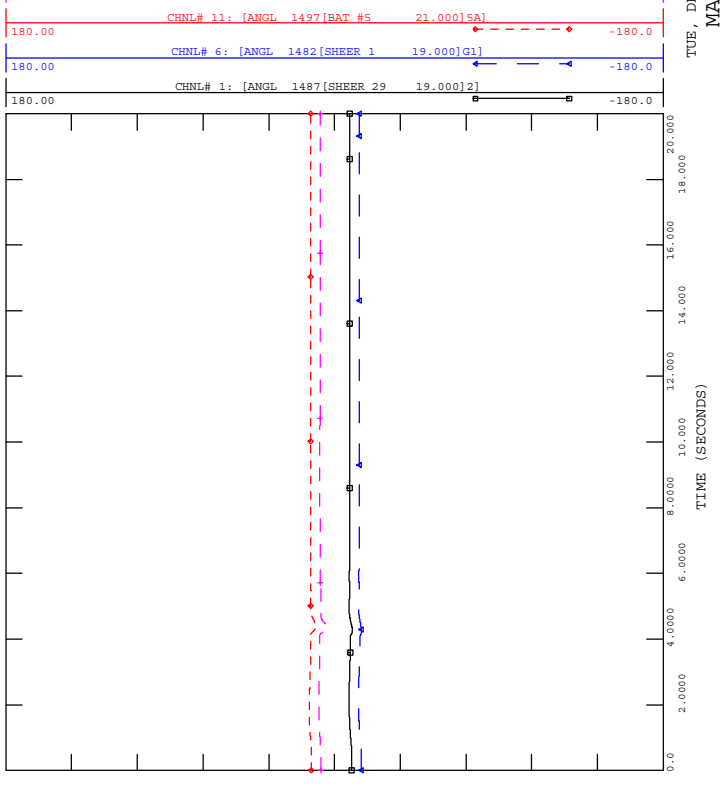


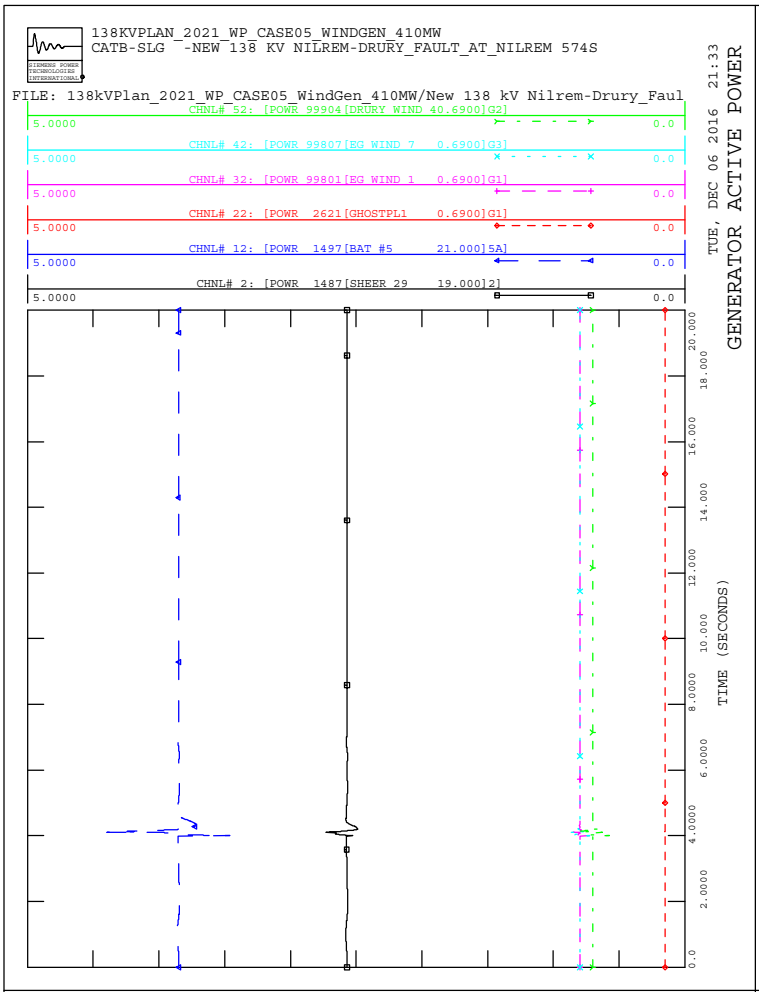
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

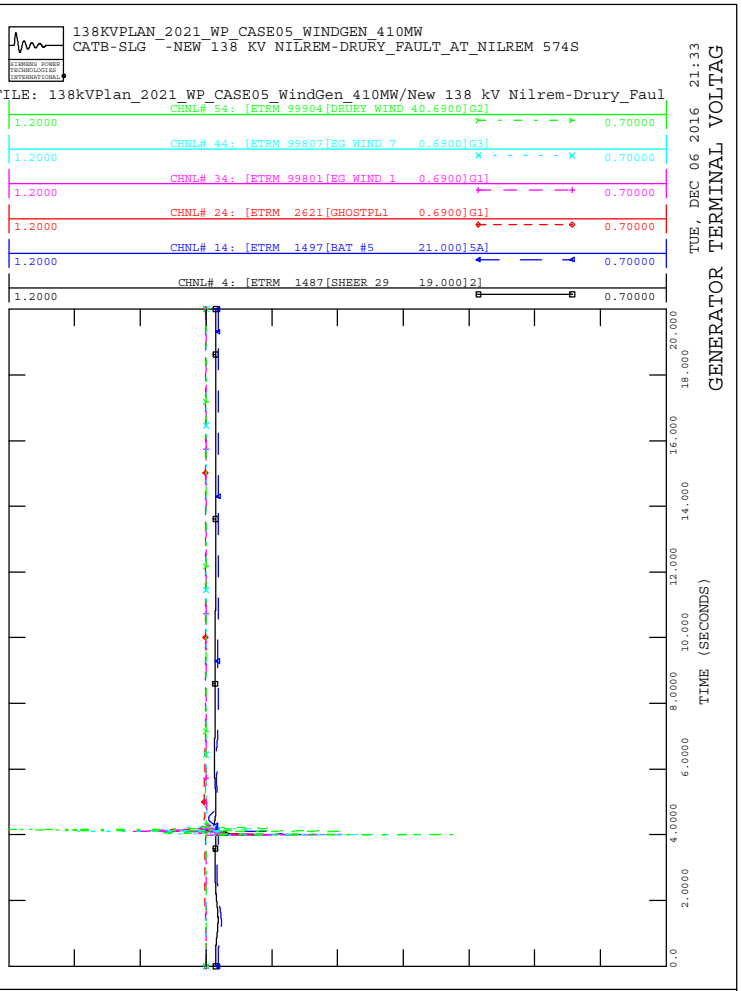
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 21:33

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
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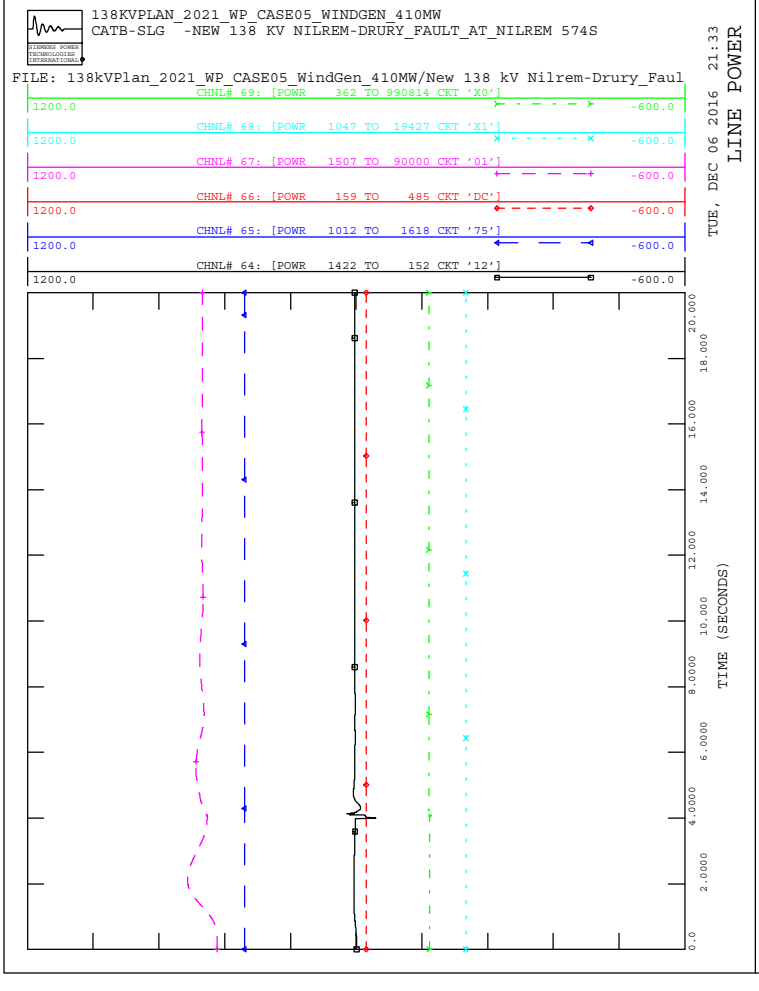
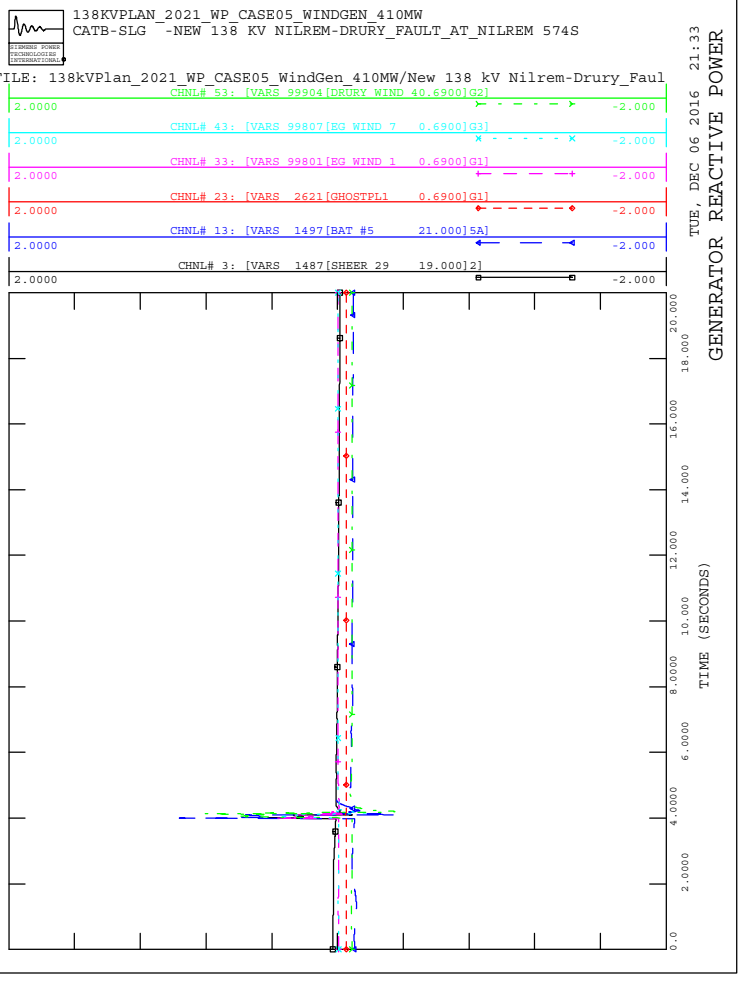
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:33
LINE POWER
TIME (SECONDS)

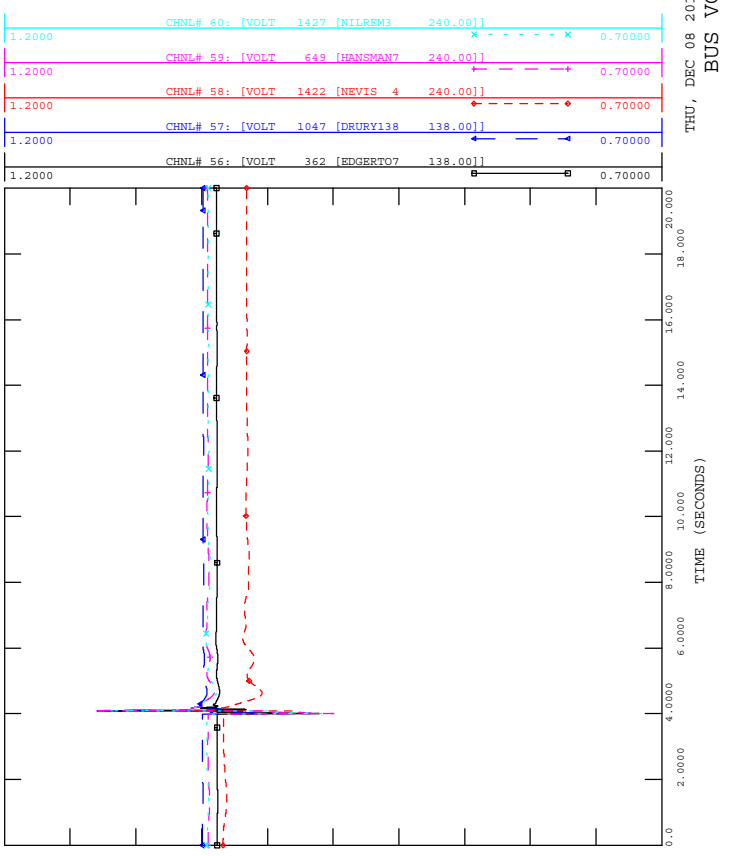

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New 138 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:33
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:55

BUS VOLTAGE

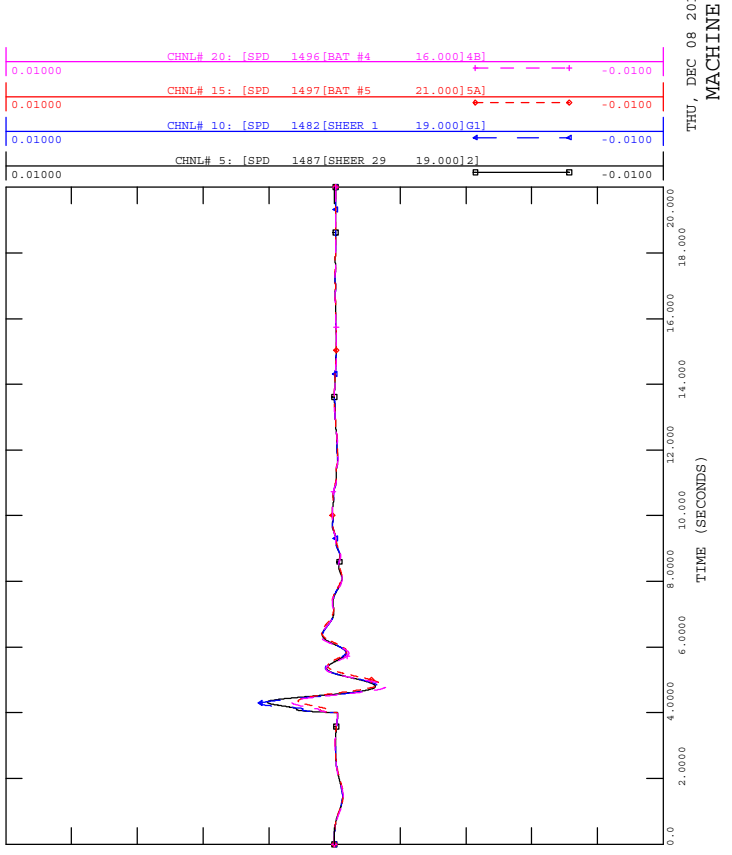


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:55

MACHINE SPEED

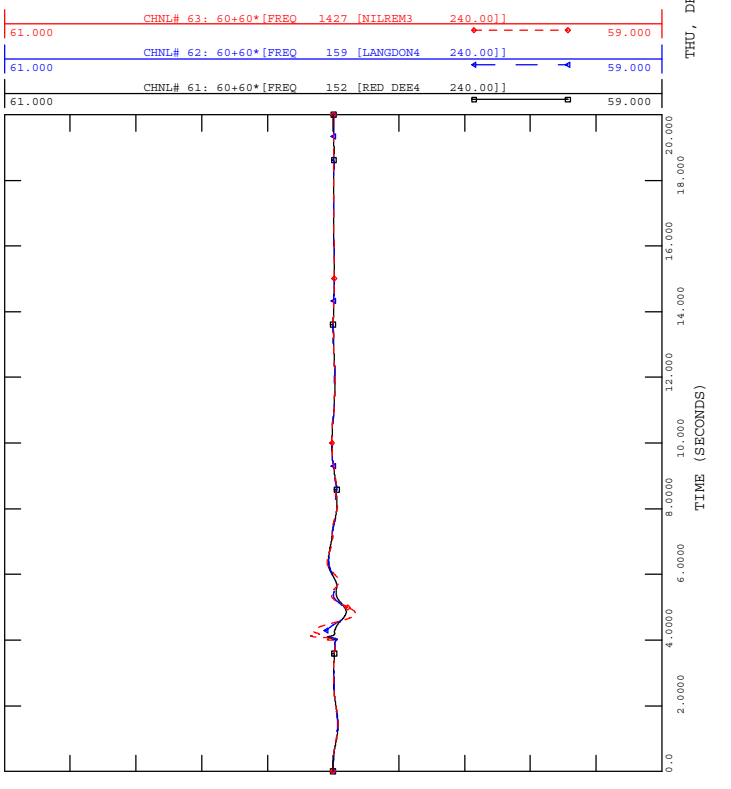


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:55

FREQUENCY

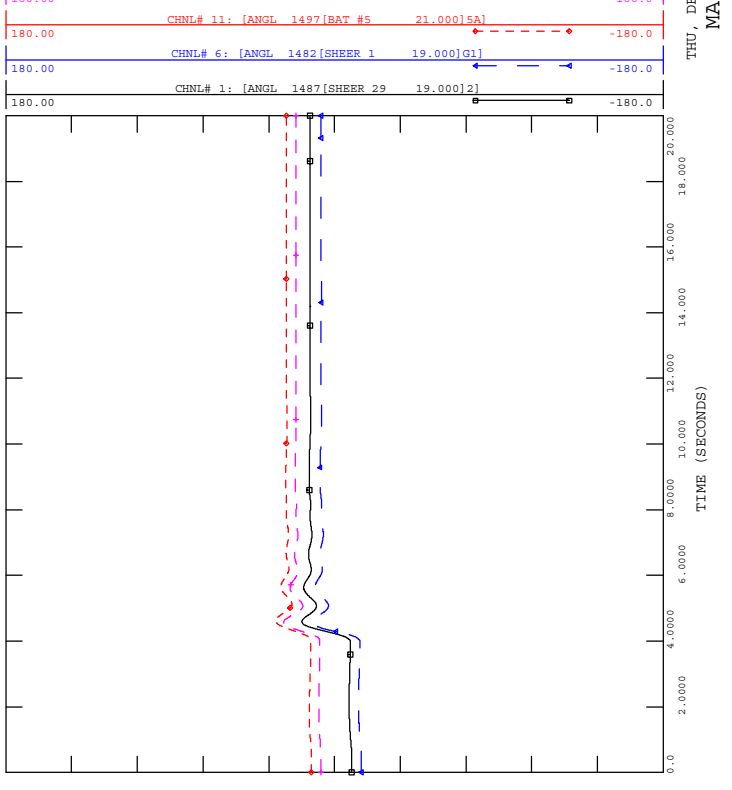


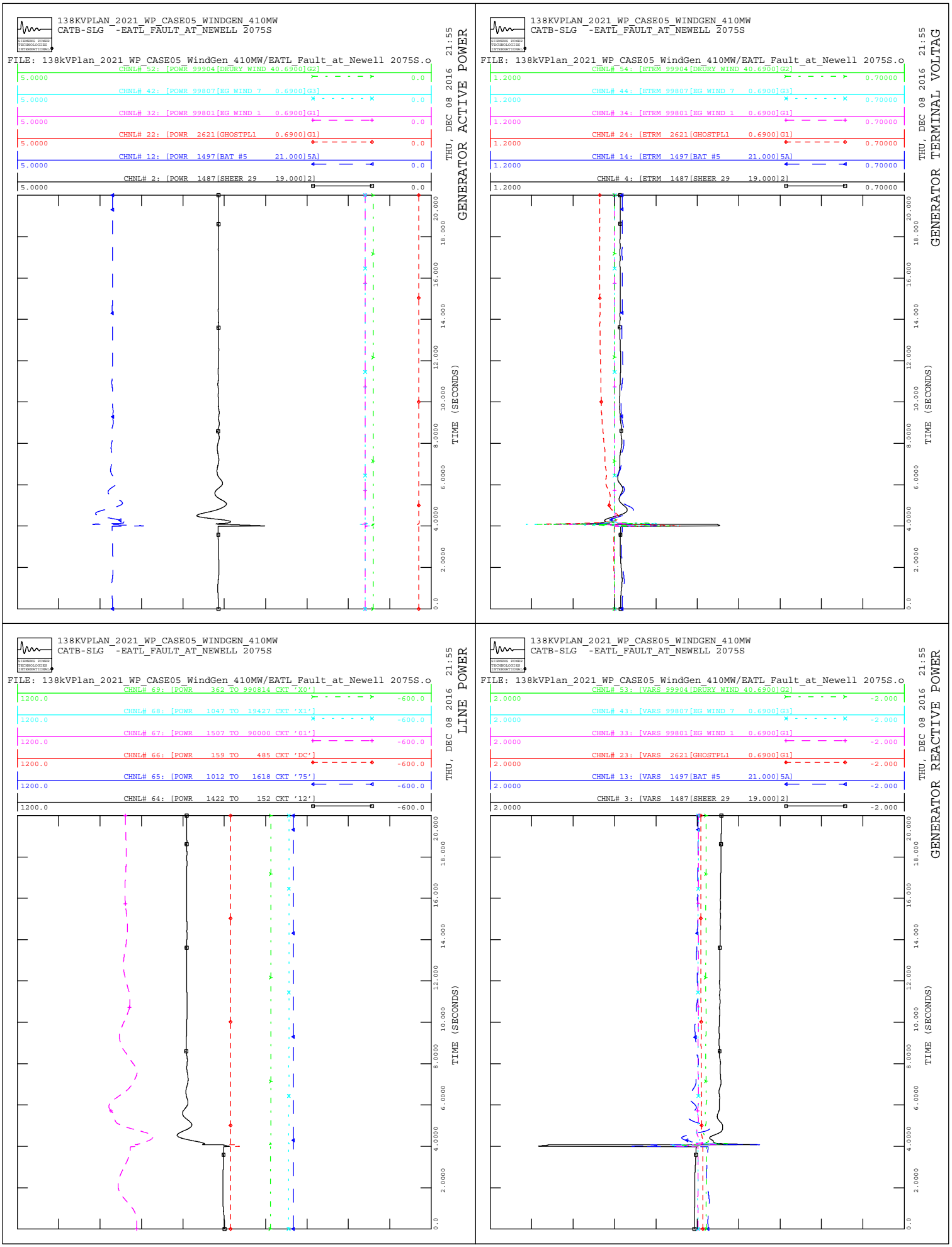
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:55

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
GENERATOR ACTIVE POWER
THU, DEC 08 2016 21:55
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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0.70000
GENERATOR TERMINAL VOLTAG
THU, DEC 08 2016 21:55
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
LINE POWER
THU, DEC 08 2016 21:55
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/EATL_Fault_at_Newell 2075S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
GENERATOR REACTIVE POWER
THU, DEC 08 2016 21:55
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

Transient Stability Analysis Plots

Alternative 1-138 kV Plan

2021 Summer Light

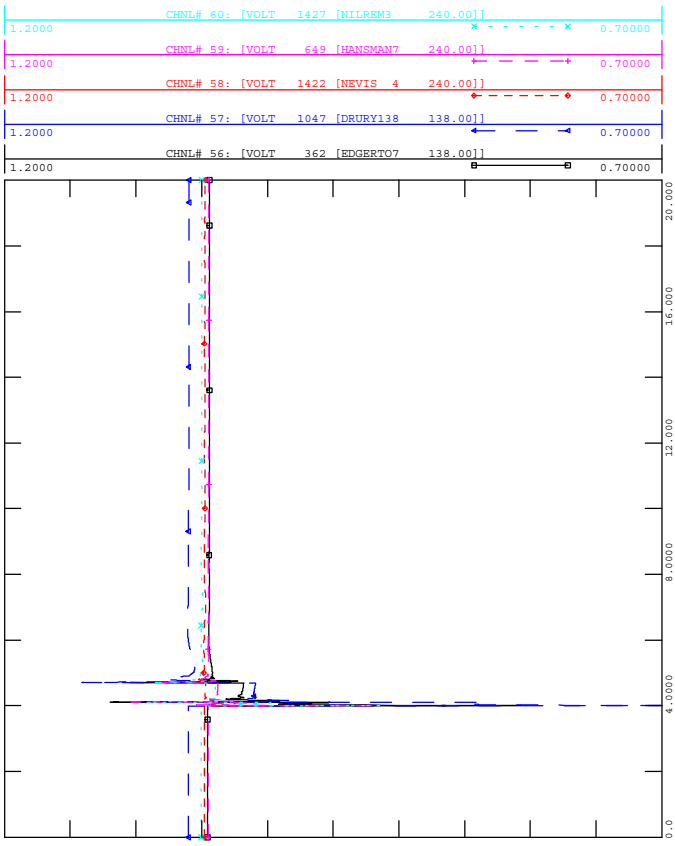
Category C5 (Line-to-line-to-ground Fault)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L14+7L130

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14+7L130.out

TUE, DEC 06 2016 21:44

BUS VOLTAGE



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L14+7L130

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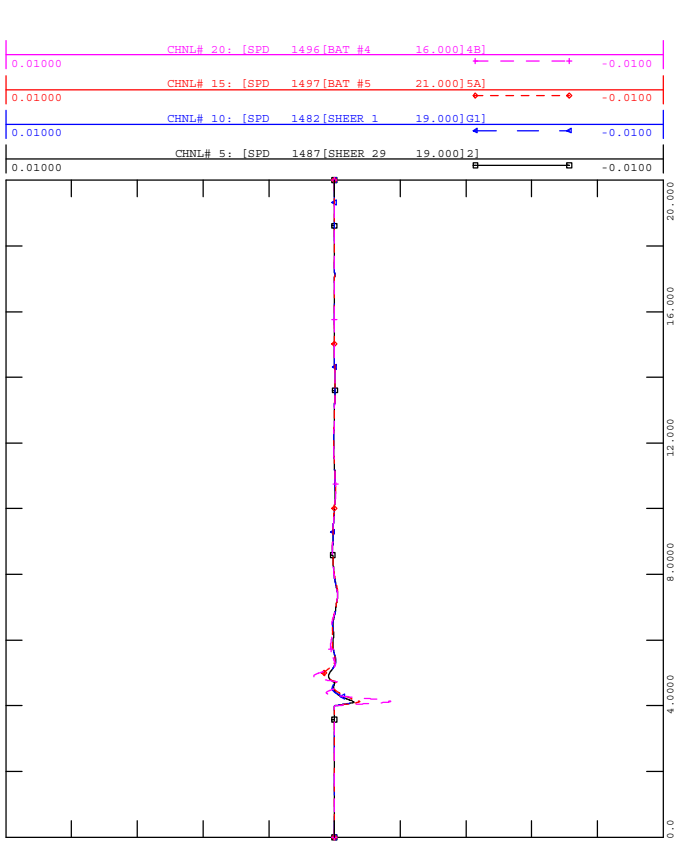
TUE, DEC 06 2016 21:44

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L14+7L130

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14+7L130.out

TUE, DEC 06 2016 21:44

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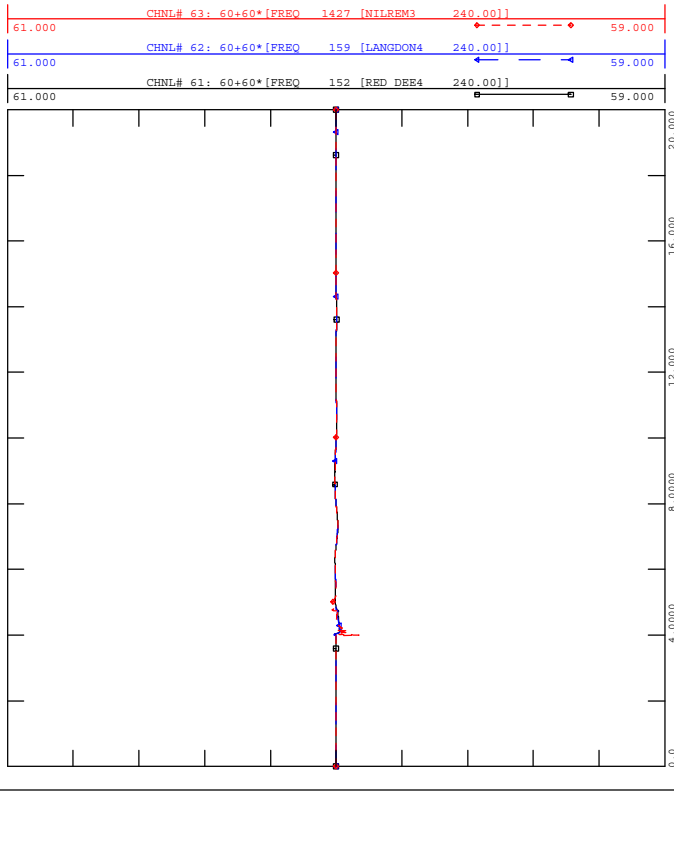

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L14+7L130

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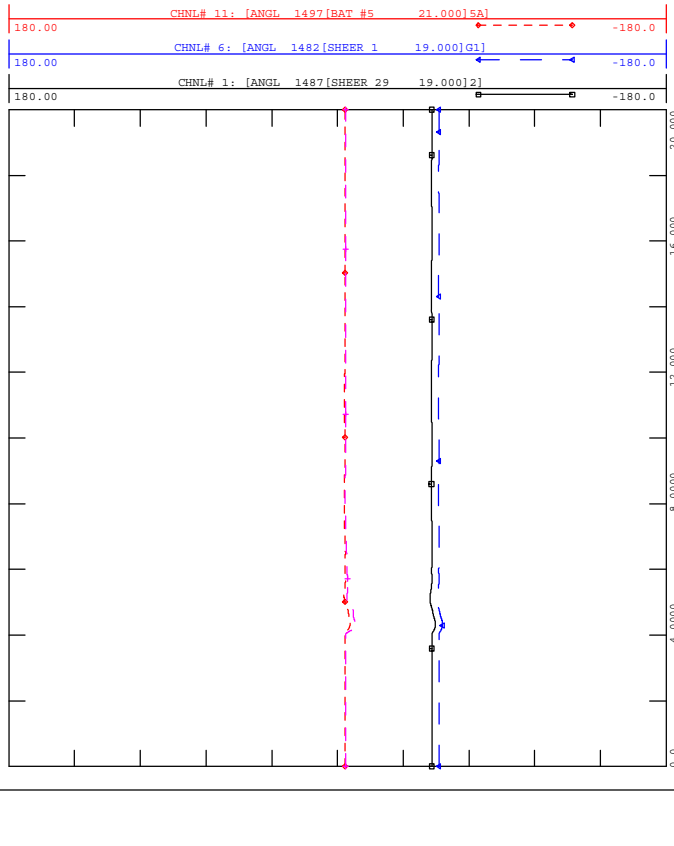
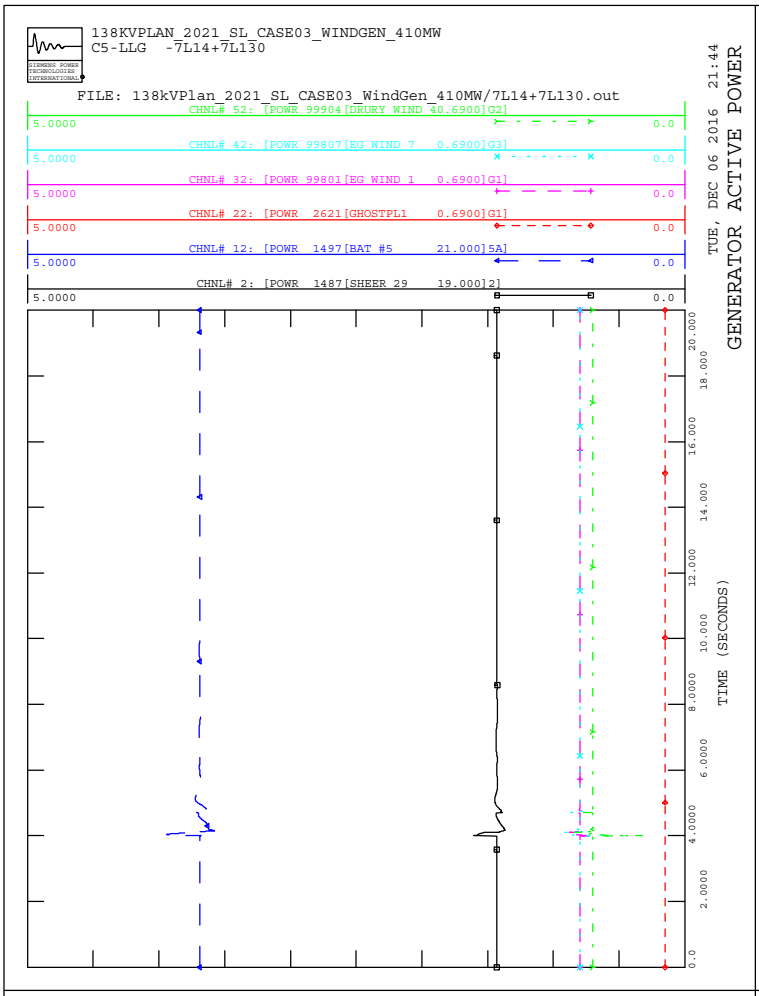
TUE, DEC 06 2016 21:44

MACHINE ANGLE

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C5-LLG -7L14+7L130
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CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
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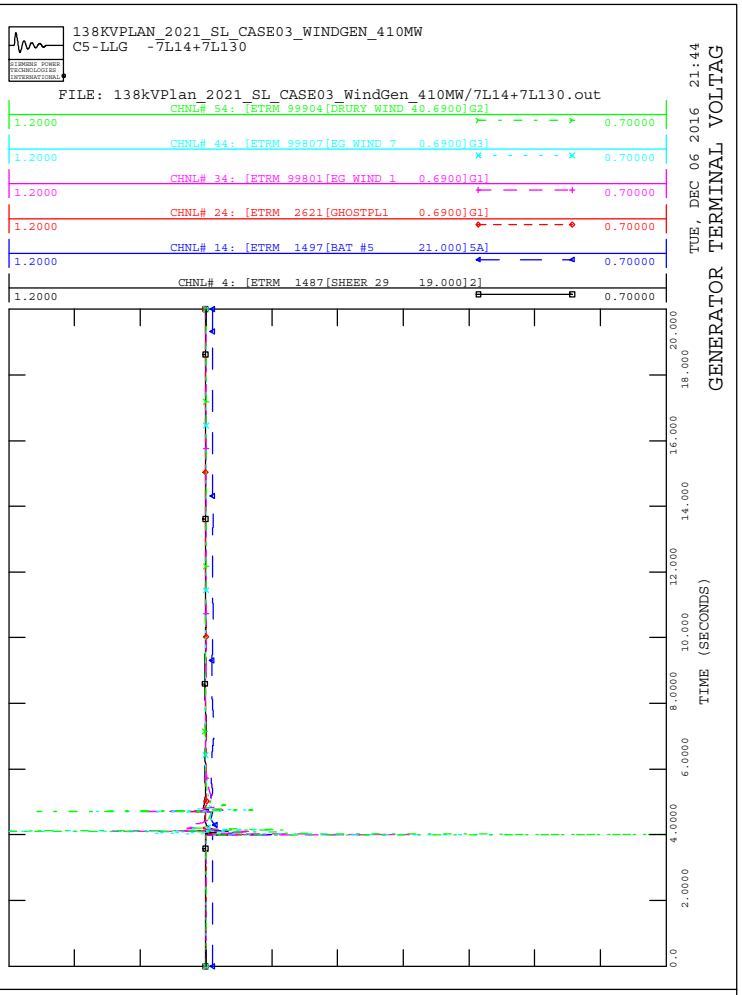
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L14+7L130
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14+7L130.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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8.0000
10.000
12.000
14.000
16.000
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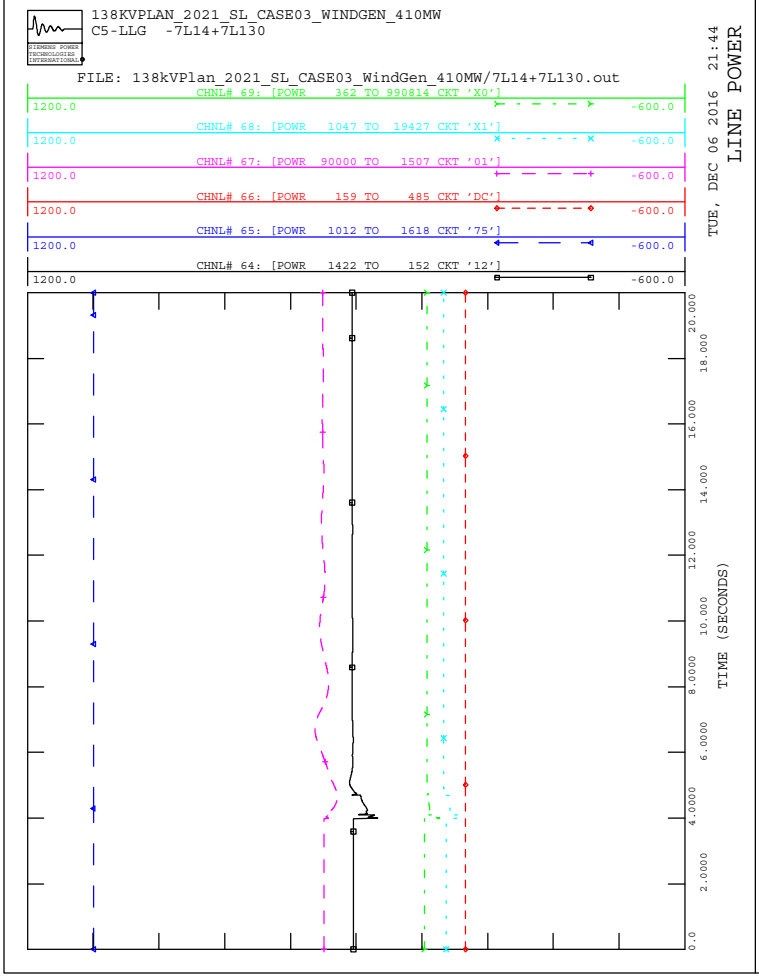
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L14+7L130
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L14+7L130.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:44
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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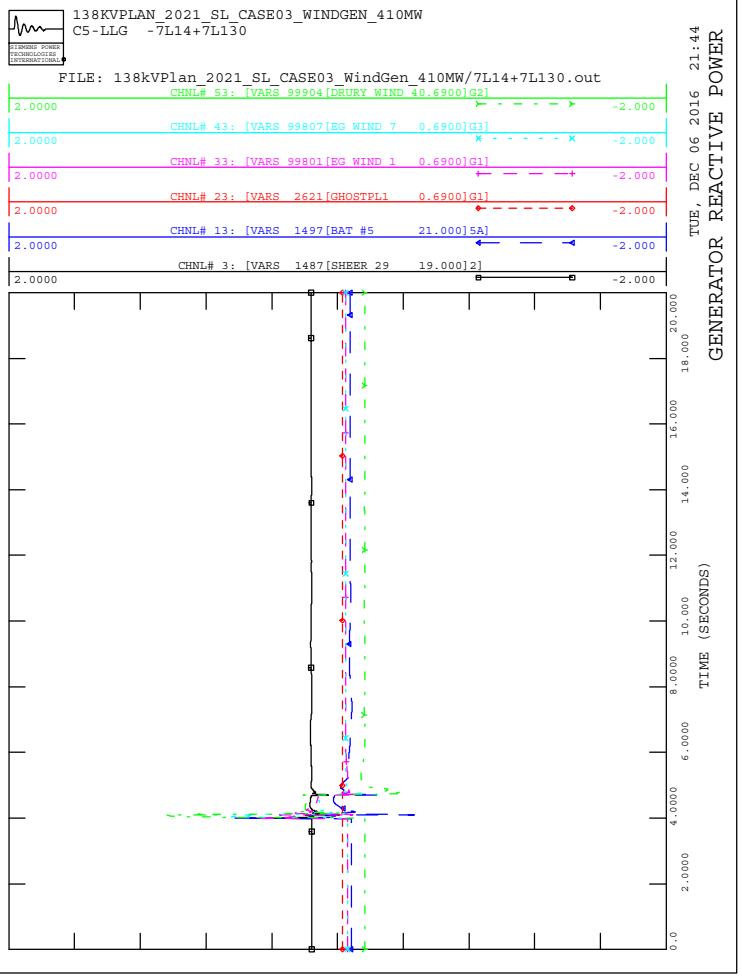
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C5-LLG -7L14+7L130
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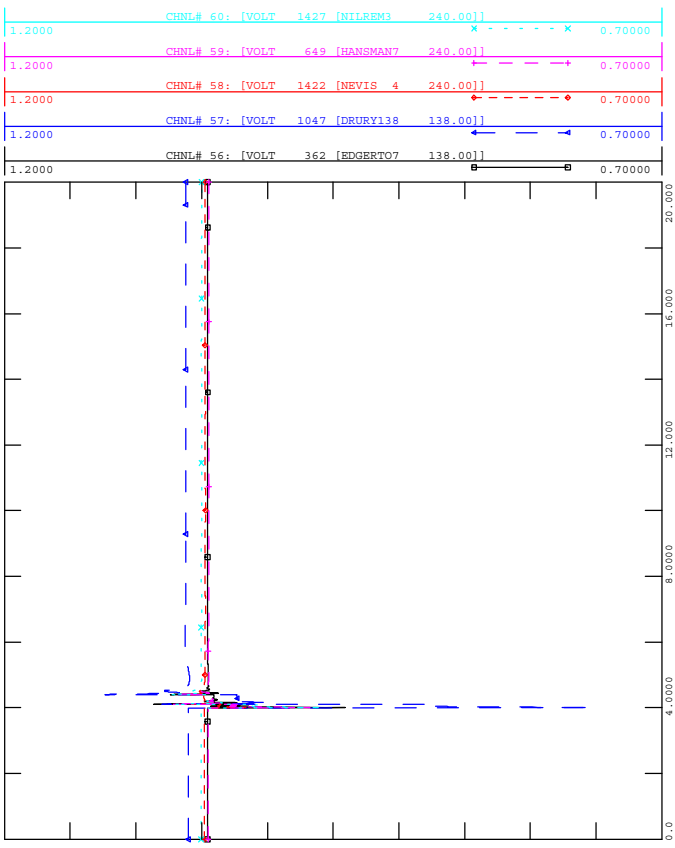
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L117+7L53

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117+7L53.out

TUE, DEC 06 2016 21:44

BUS VOLTAGE

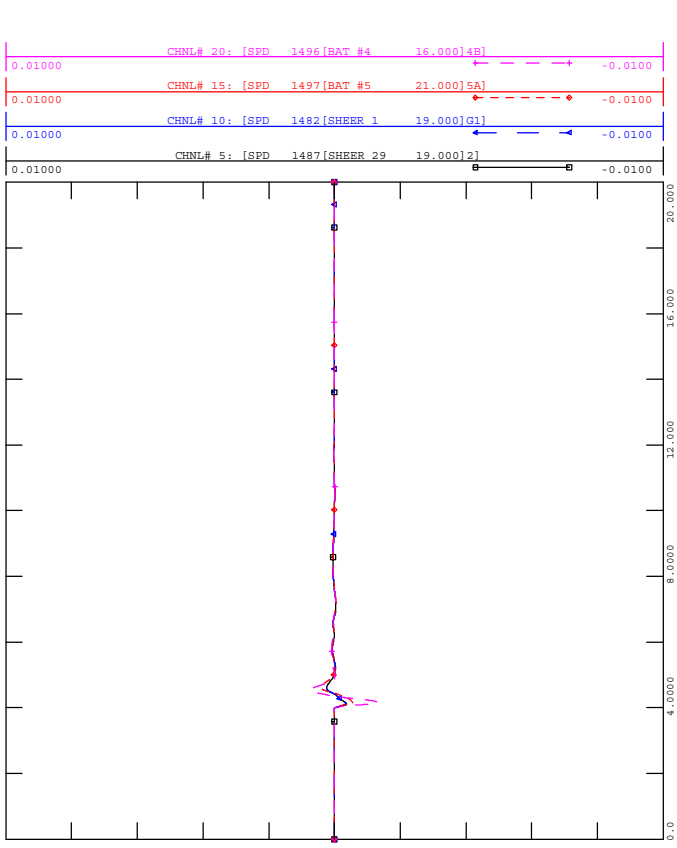


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L117+7L53

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117+7L53.out

TUE, DEC 06 2016 21:44

MACHINE SPEED

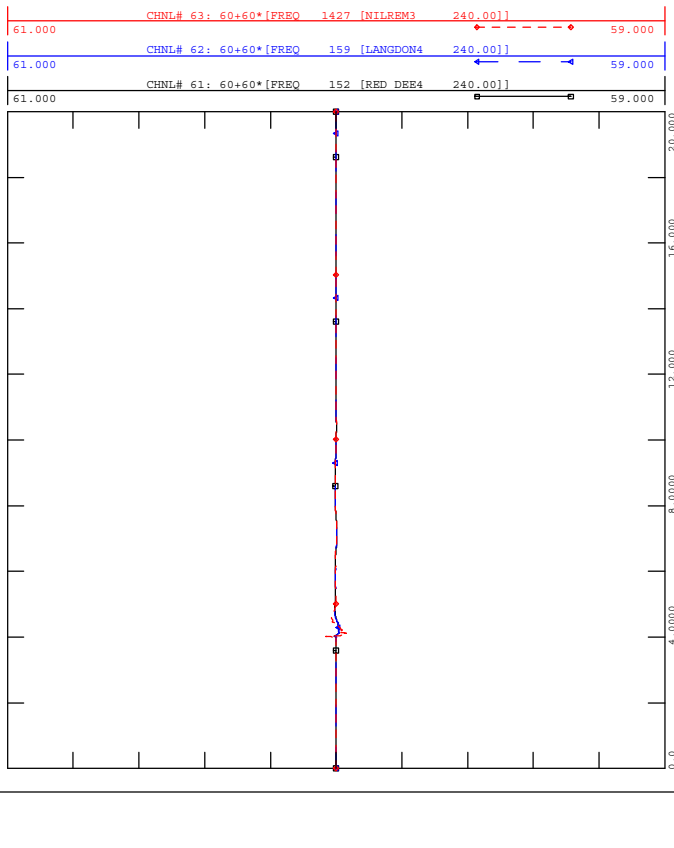


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L117+7L53

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117+7L53.out

TUE, DEC 06 2016 21:44

FREQUENCY

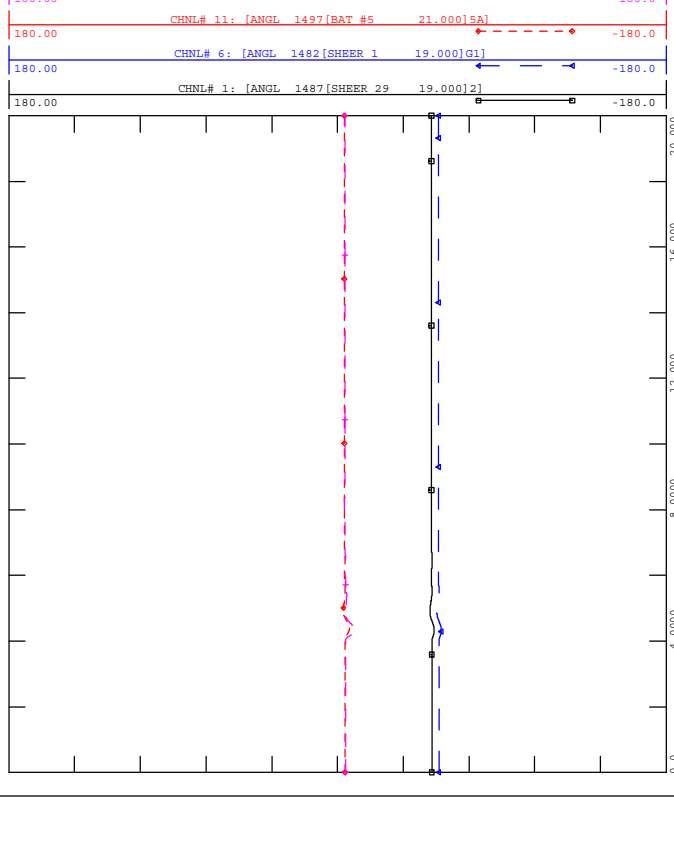


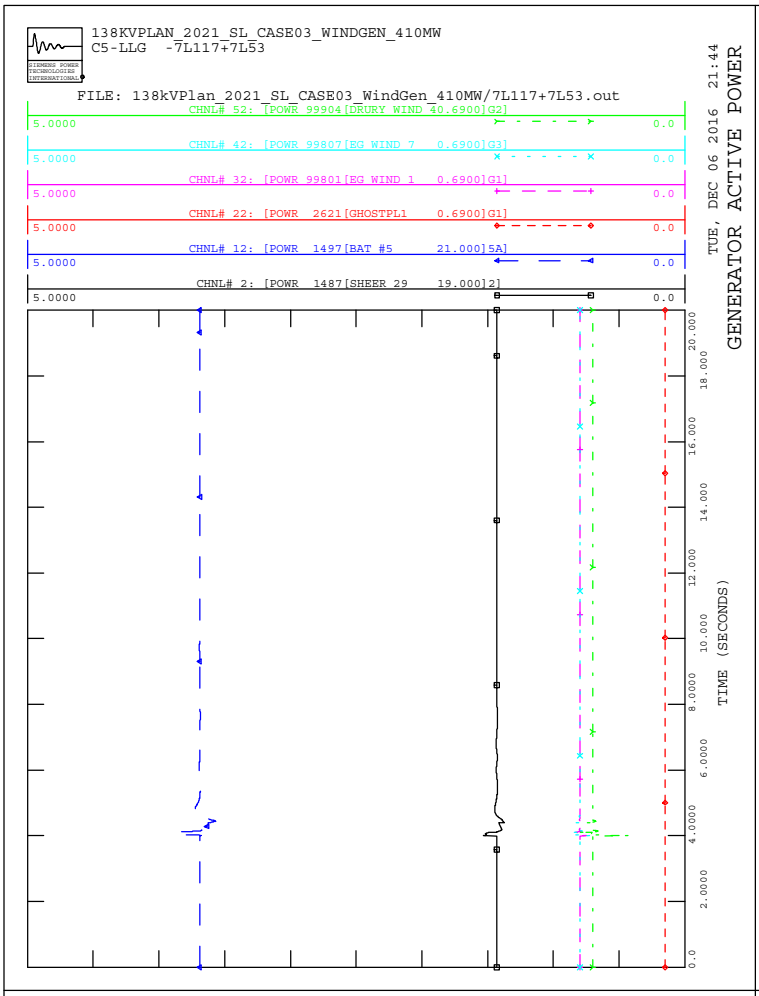
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L117+7L53

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117+7L53.out

TUE, DEC 06 2016 21:44

MACHINE ANGLE

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C5-LLG -7L117+7L53
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117+7L53.out
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CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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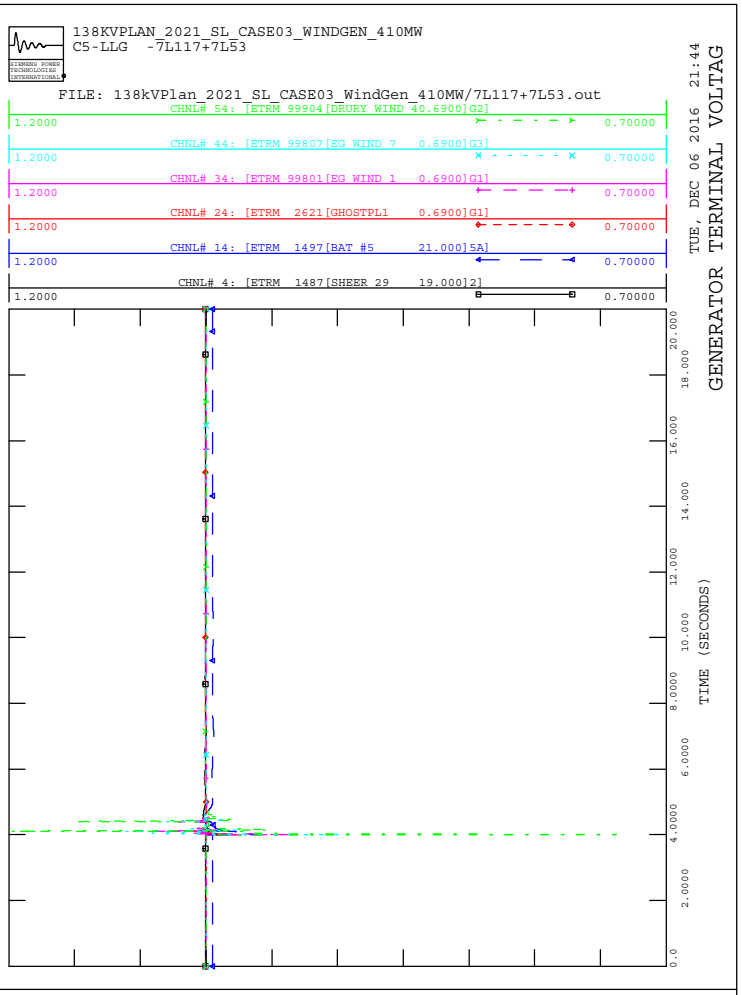
20.000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C5-LLG -7L117+7L53
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117+7L53.out
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CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
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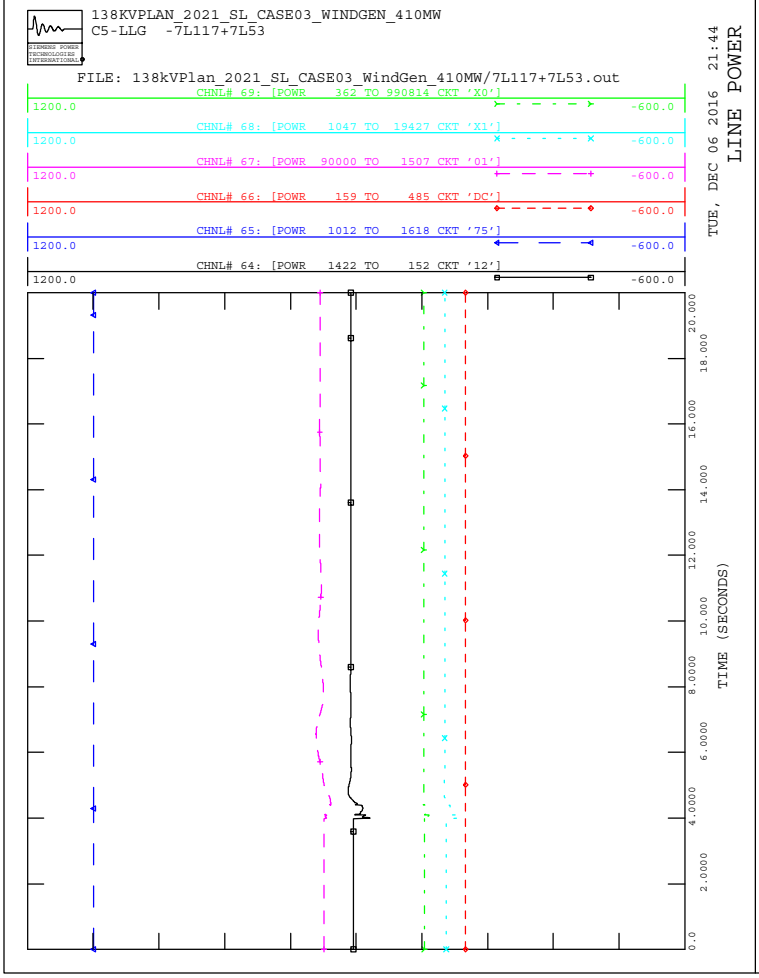
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C5-LLG -7L117+7L53
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117+7L53.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:44
LINE POWER
TIME (SECONDS)
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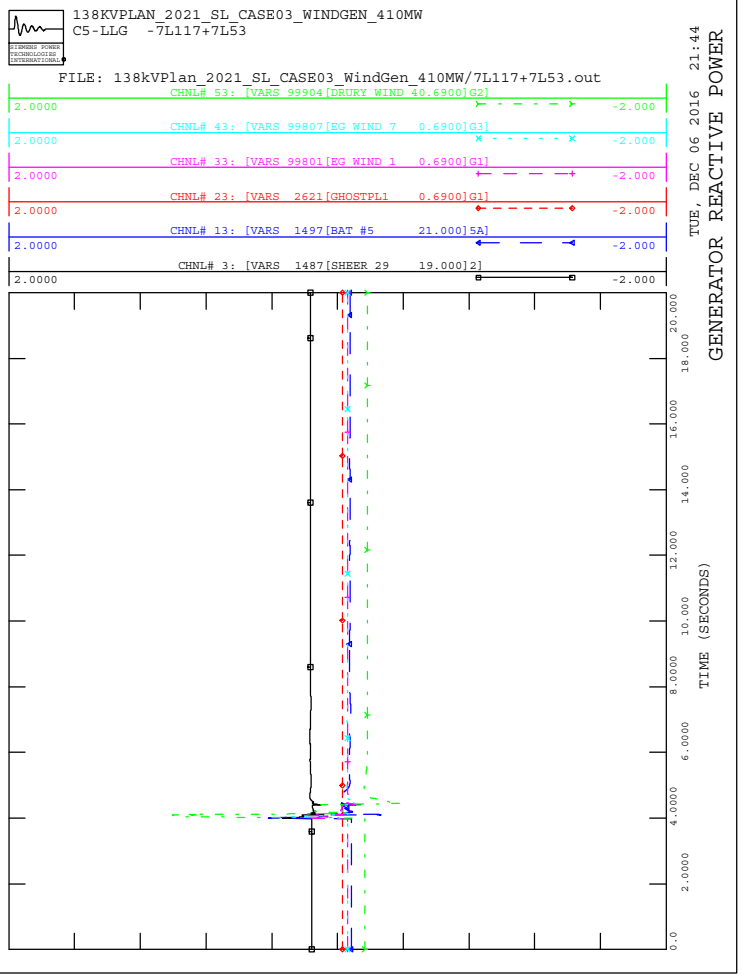
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L117+7L53
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117+7L53.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
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18.000
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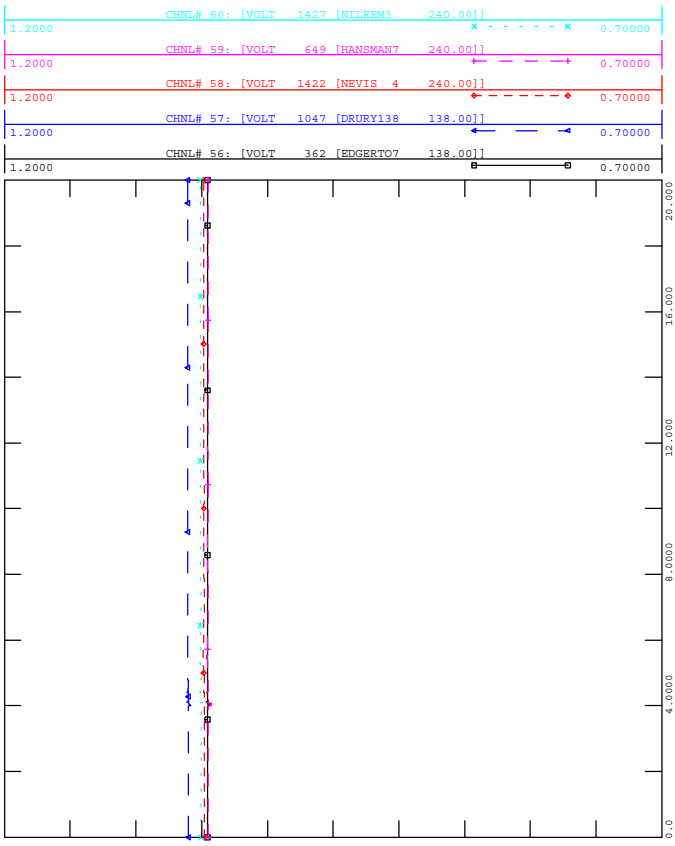
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L53+7L70

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L53+7L70.out

TUE, DEC 06 2016 21:44

BUS VOLTAGE

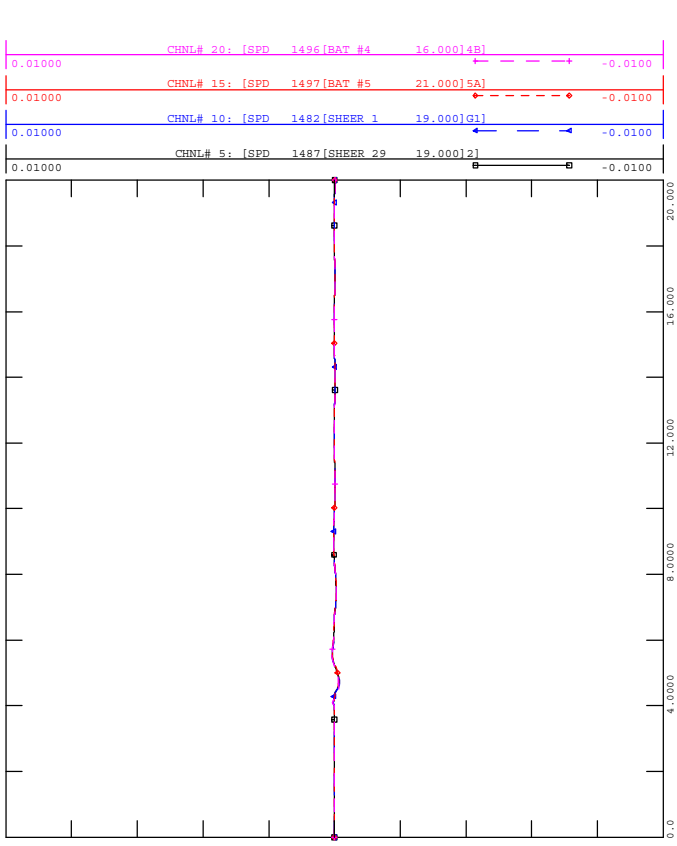


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L53+7L70

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L53+7L70.out

TUE, DEC 06 2016 21:44

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L53+7L70

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L53+7L70.out

TUE, DEC 06 2016 21:44

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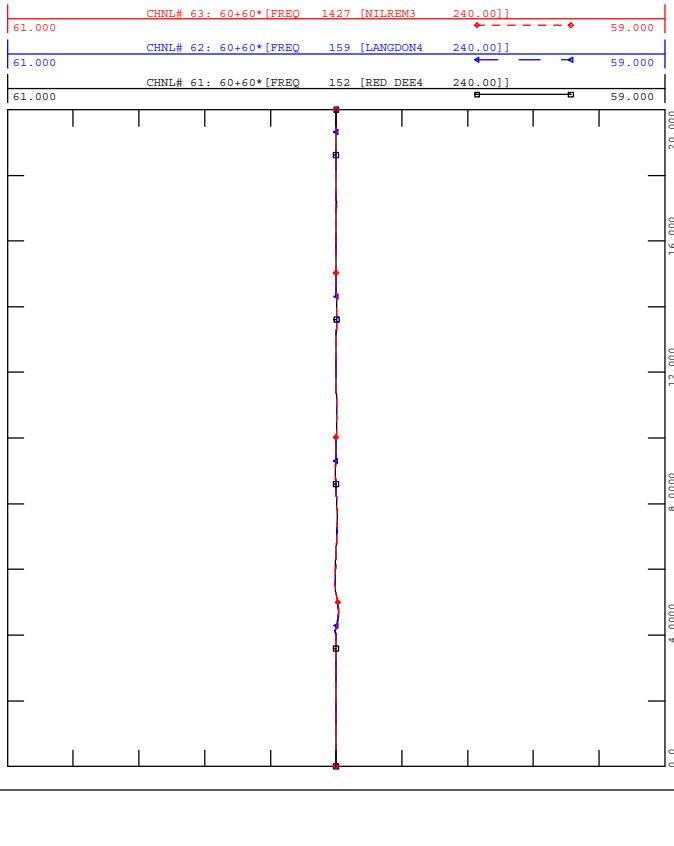

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L53+7L70

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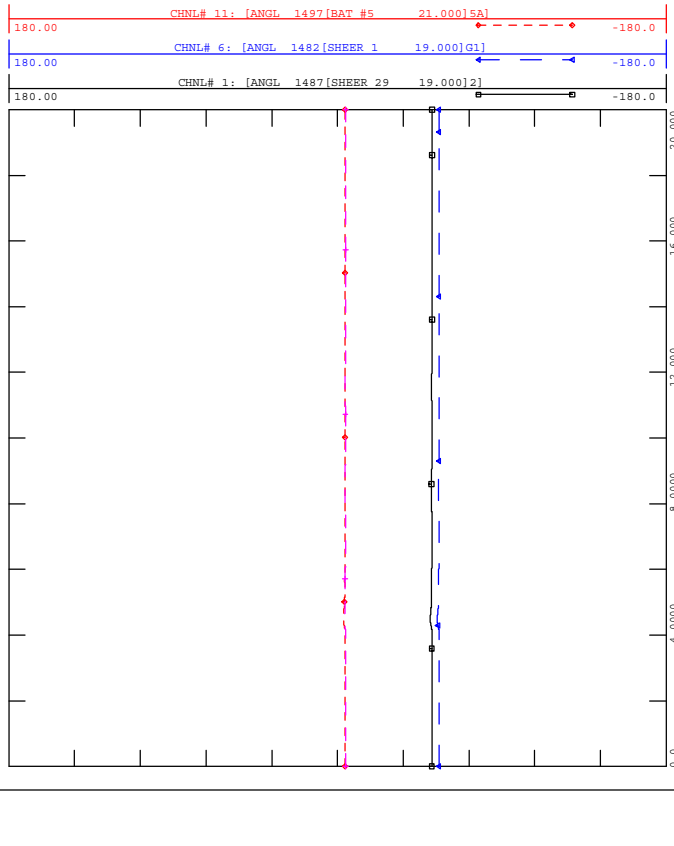
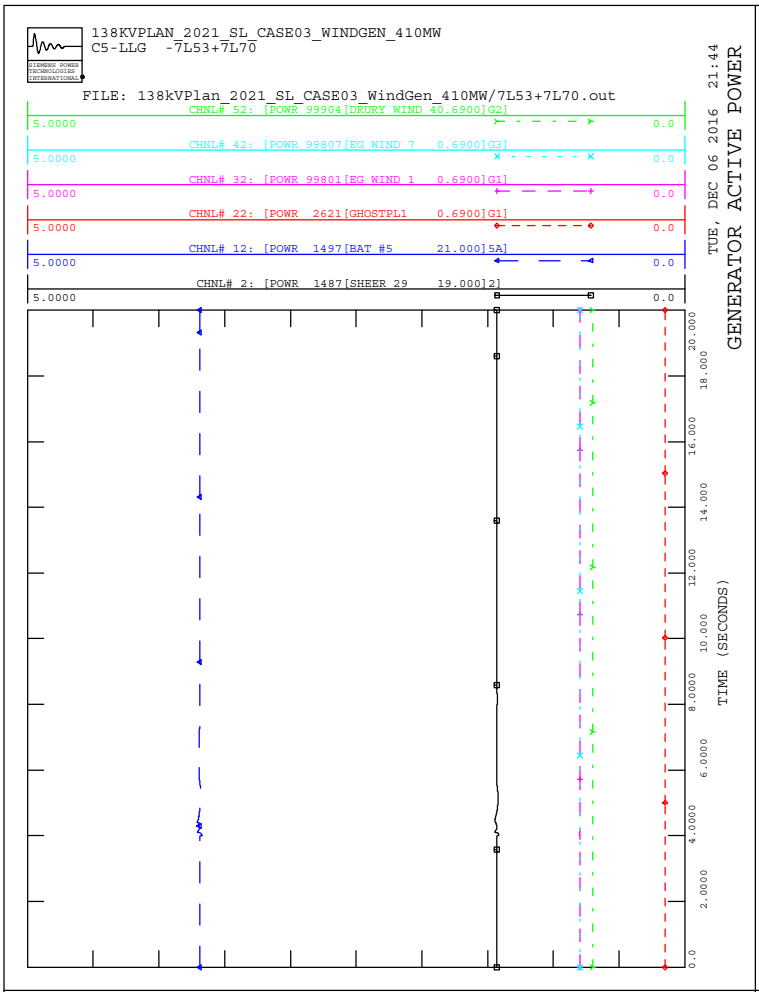
TUE, DEC 06 2016 21:44

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L53+7L70
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L53+7L70.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
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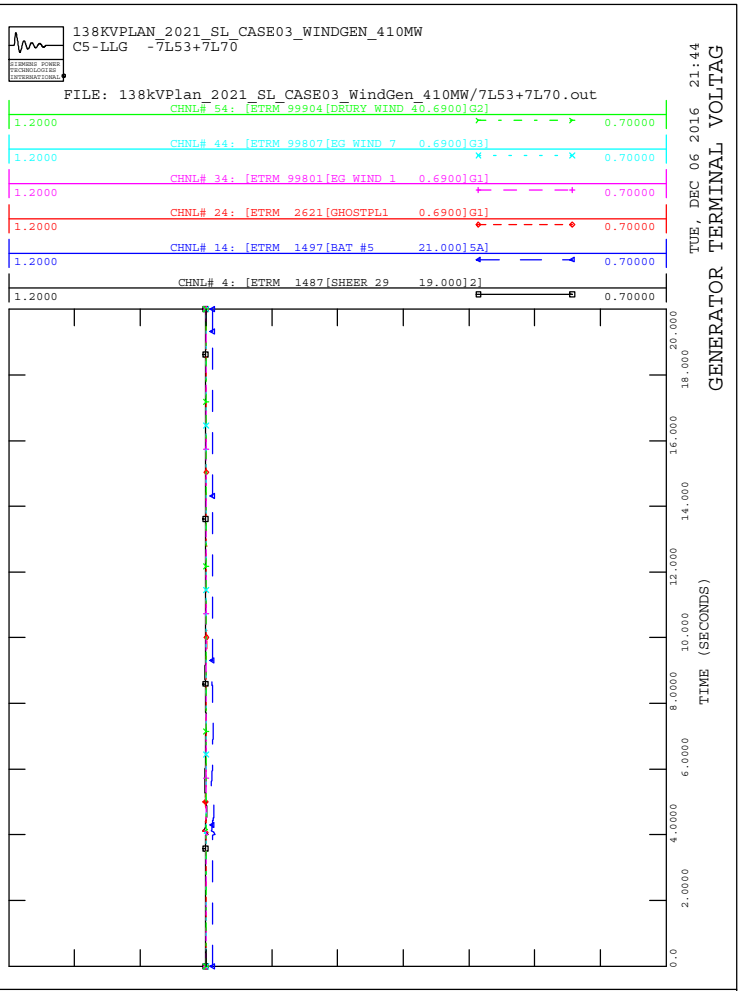
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L53+7L70
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L53+7L70.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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0.70000
TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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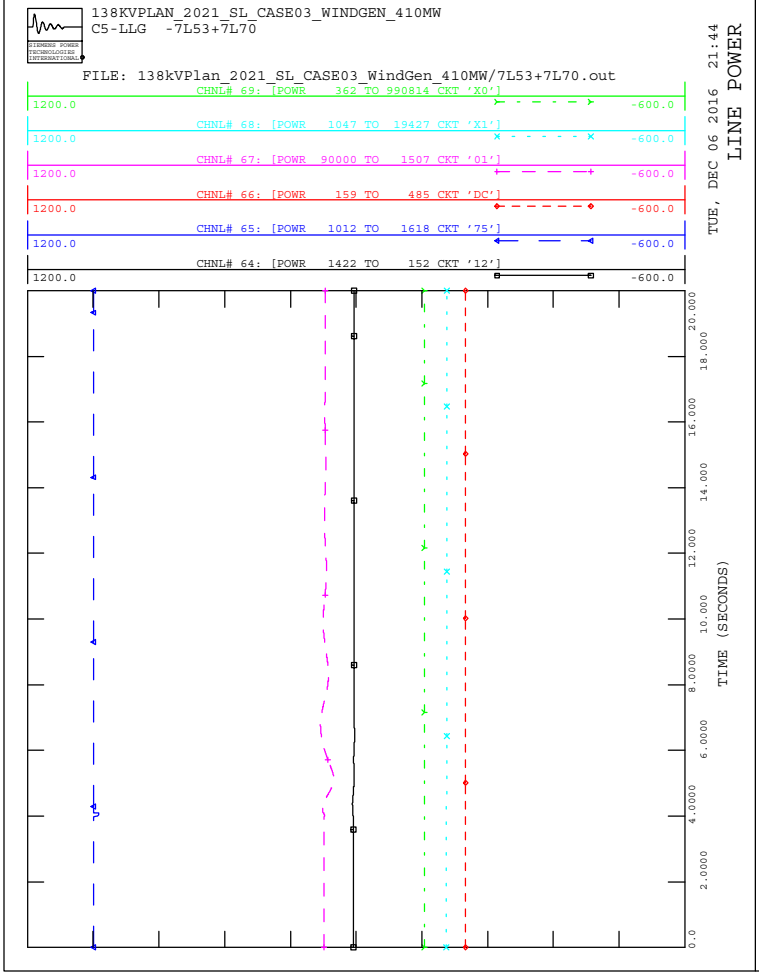
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L53+7L70
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L53+7L70.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:44
LINE POWER
TIME (SECONDS)
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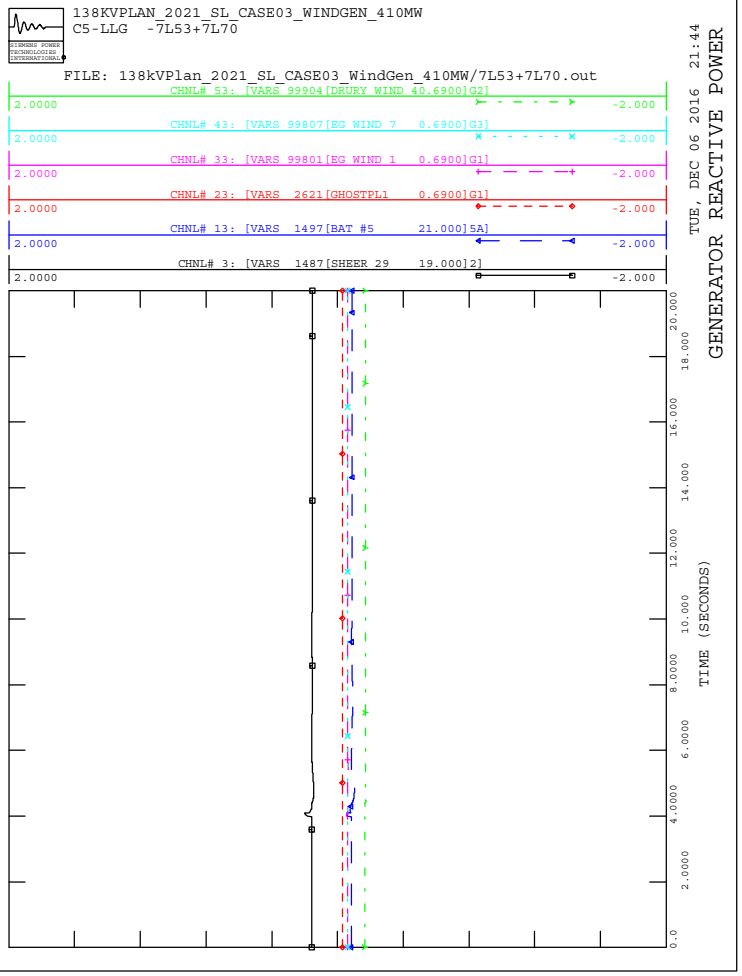
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L53+7L70
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L53+7L70.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
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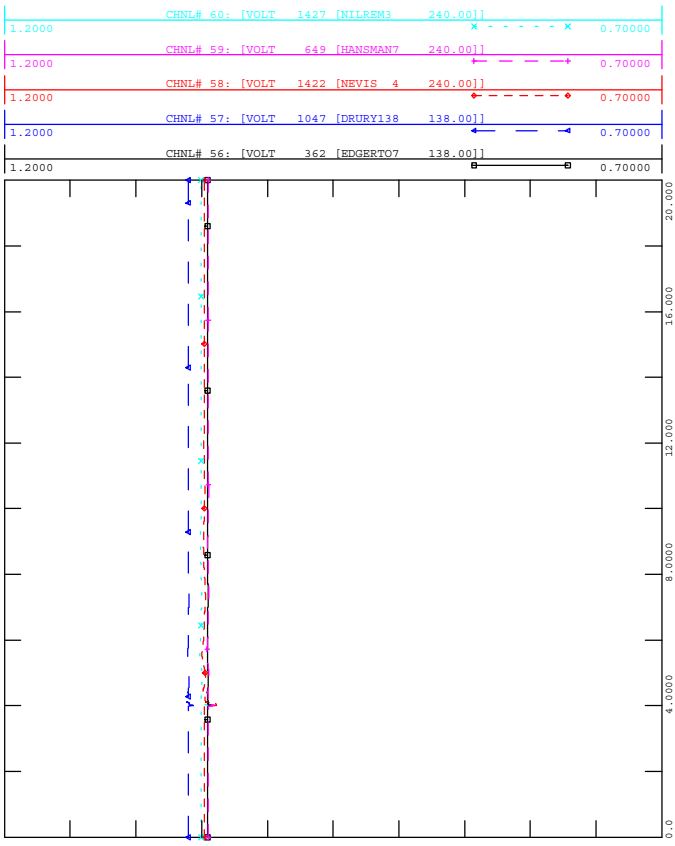
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L66

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L66.out

TUE, DEC 06 2016 21:44

BUS VOLTAGE

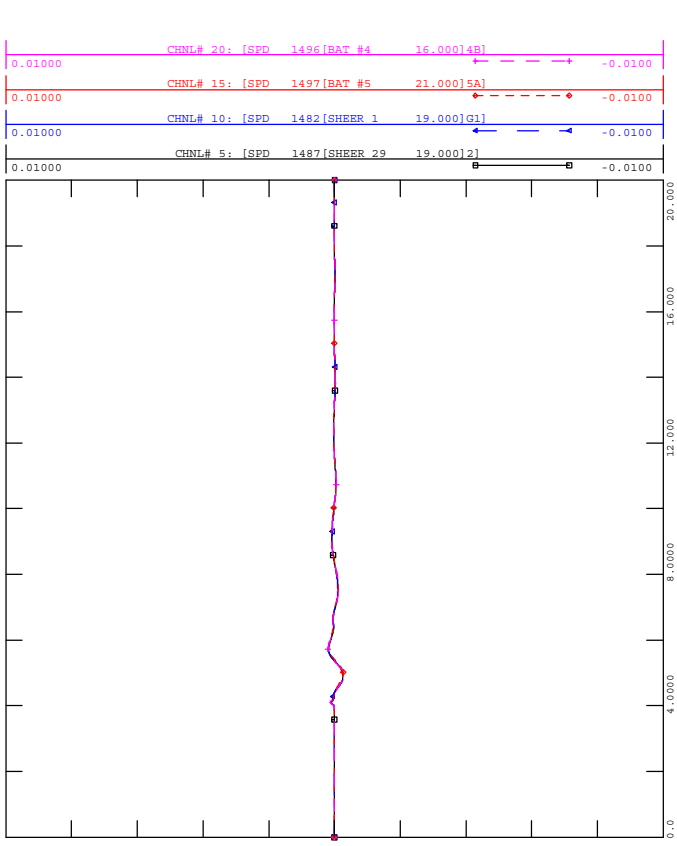


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L66

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L66.out

TUE, DEC 06 2016 21:44

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L66

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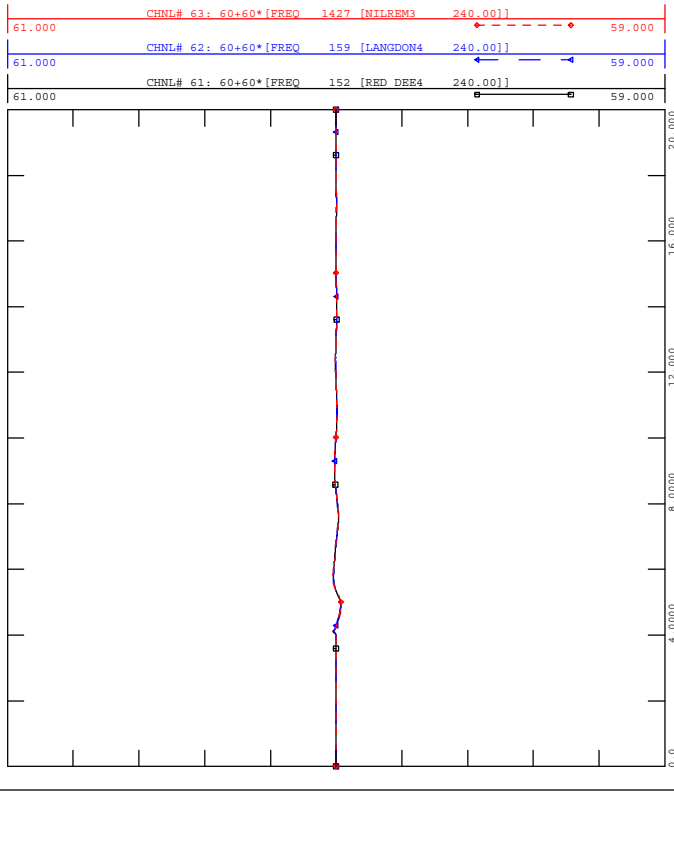

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L66

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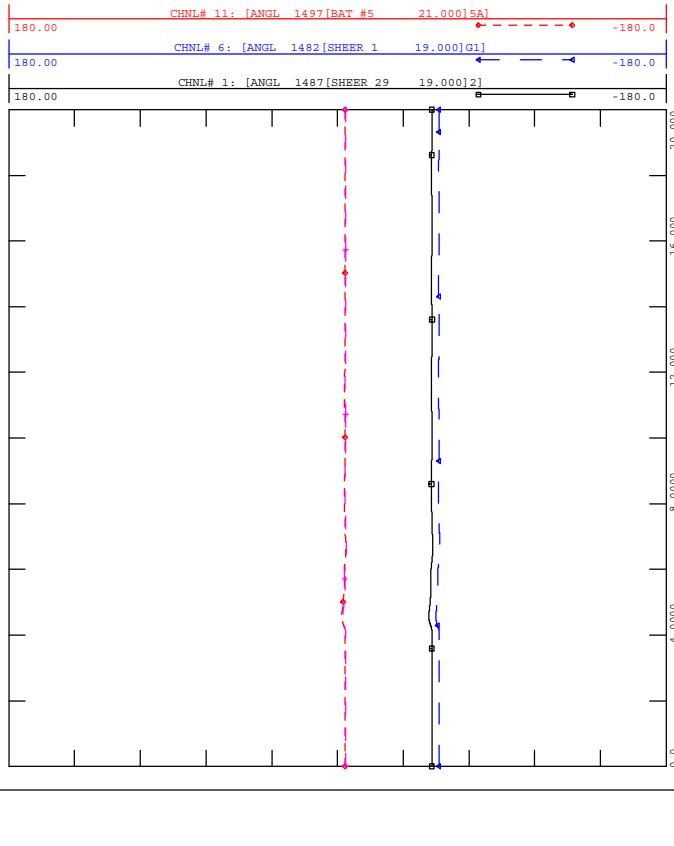
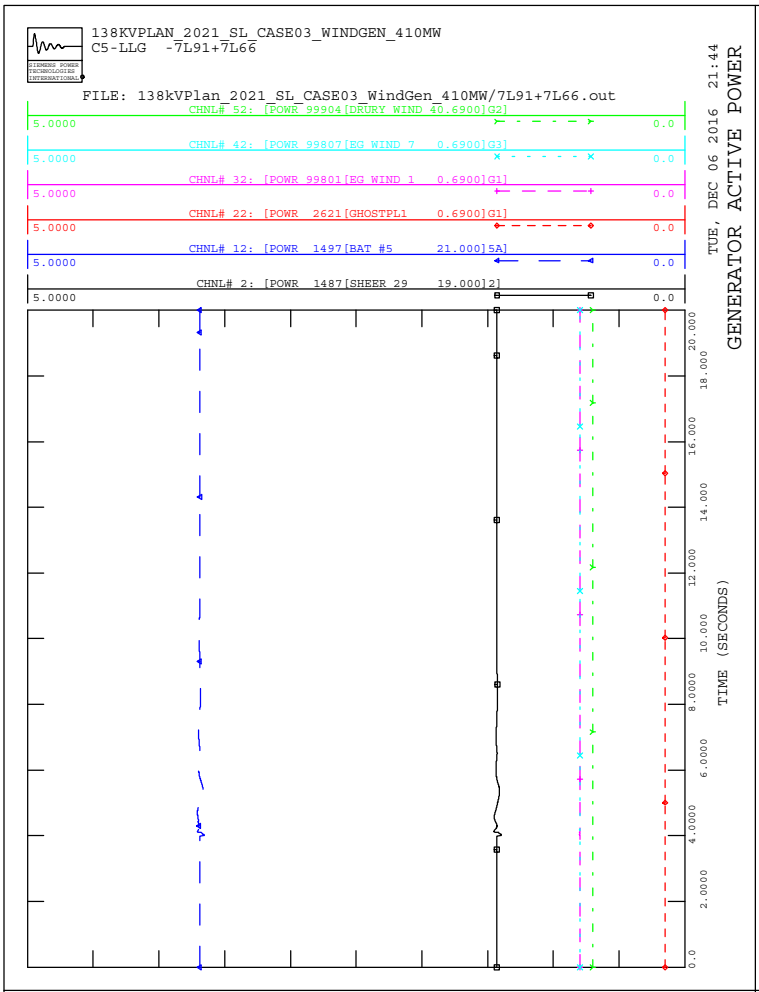
MACHINE ANGLE

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C5-LLG -7L91+7L66
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L66.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
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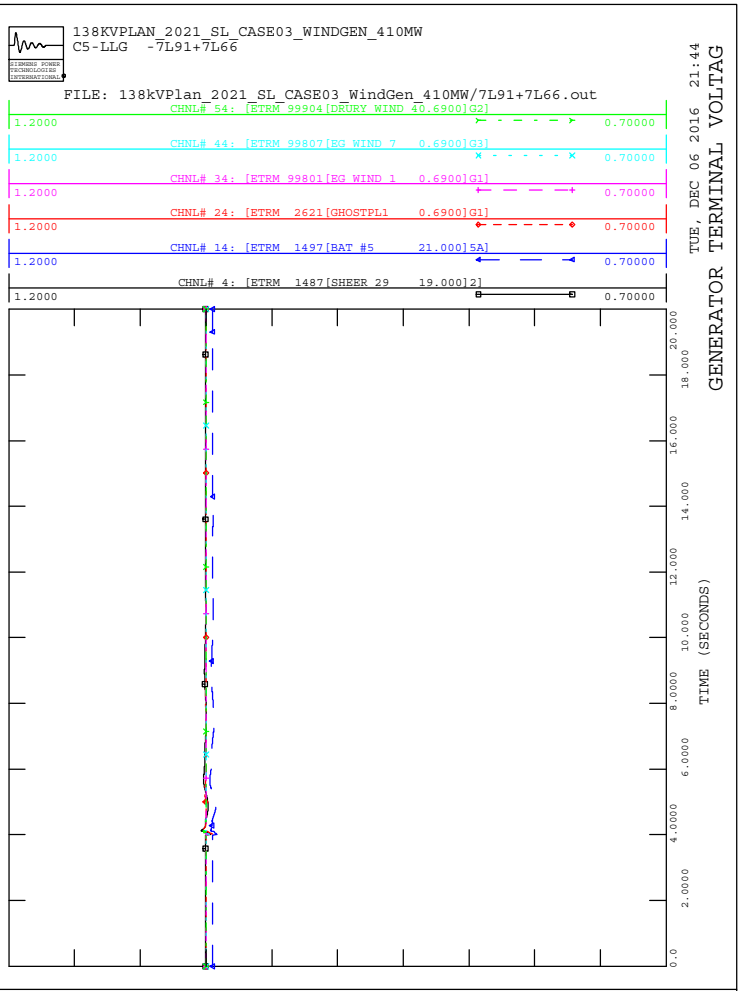
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L66
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L66.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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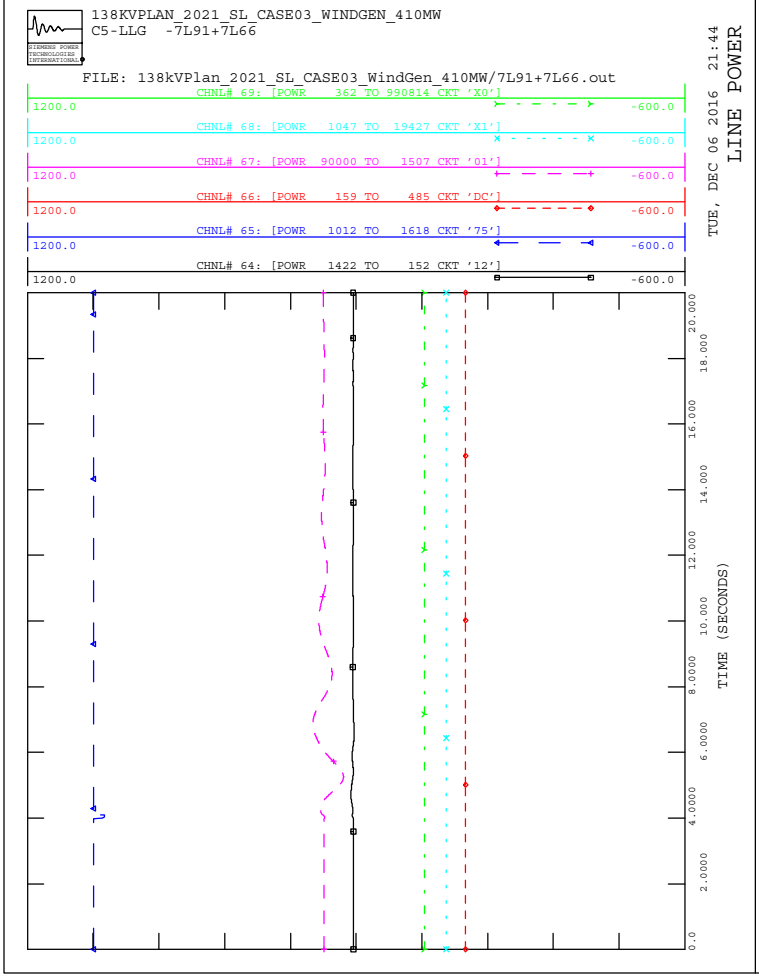
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C5-LLG -7L91+7L66
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L66.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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TUE, DEC 06 2016 21:44
LINE POWER
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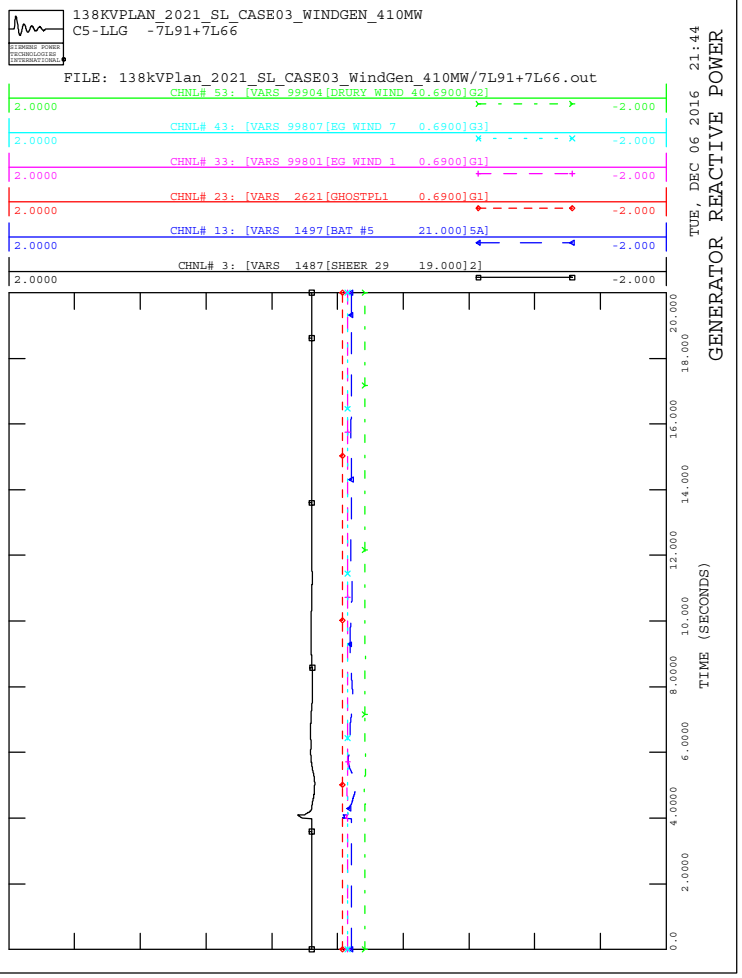
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C5-LLG -7L91+7L66
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L66.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
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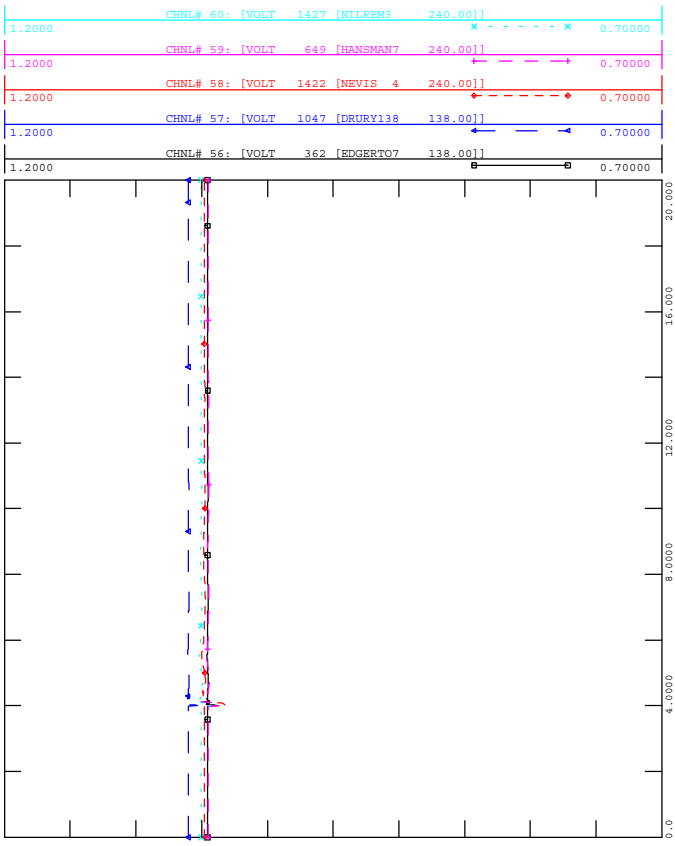
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L89

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L89.out

TUE, DEC 06 2016 21:44

BUS VOLTAGE

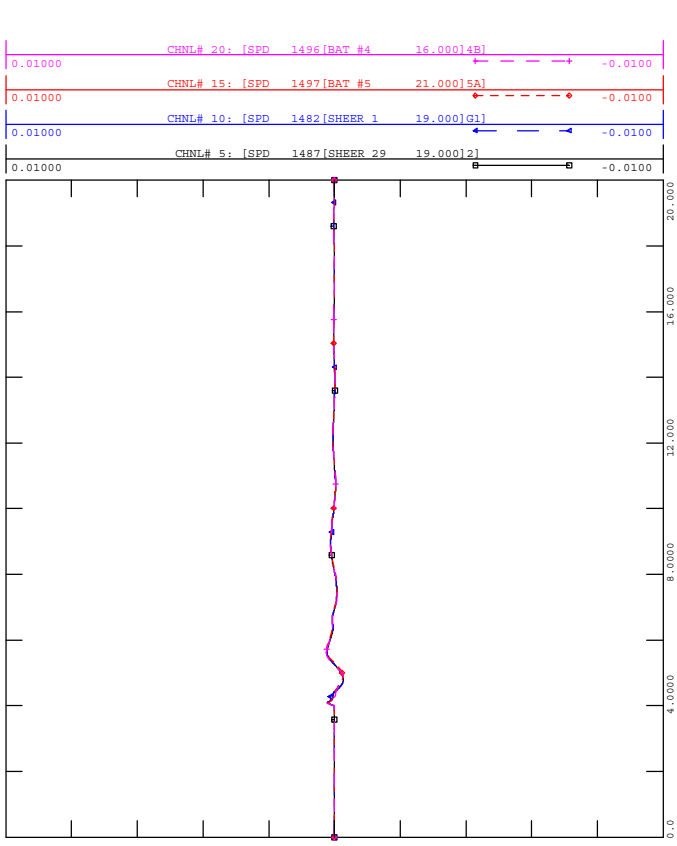


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L89

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L89.out

TUE, DEC 06 2016 21:44

MACHINE SPEED

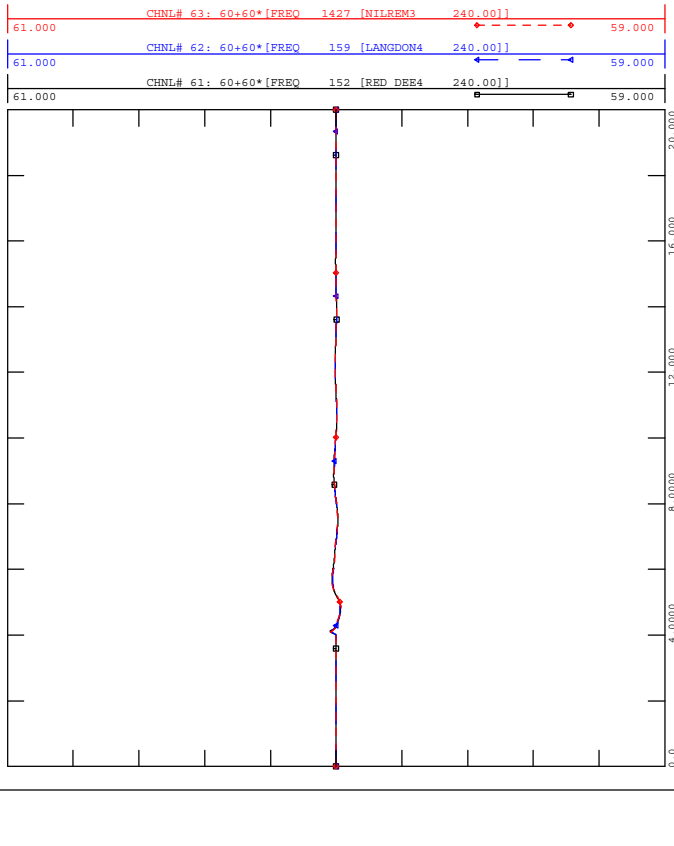


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L89

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L89.out

TUE, DEC 06 2016 21:44

FREQUENCY

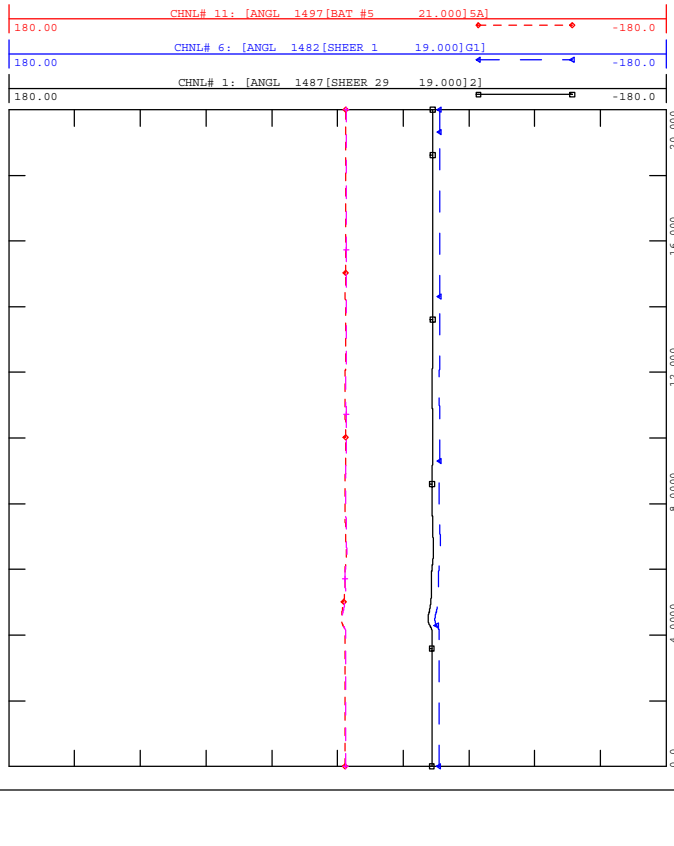


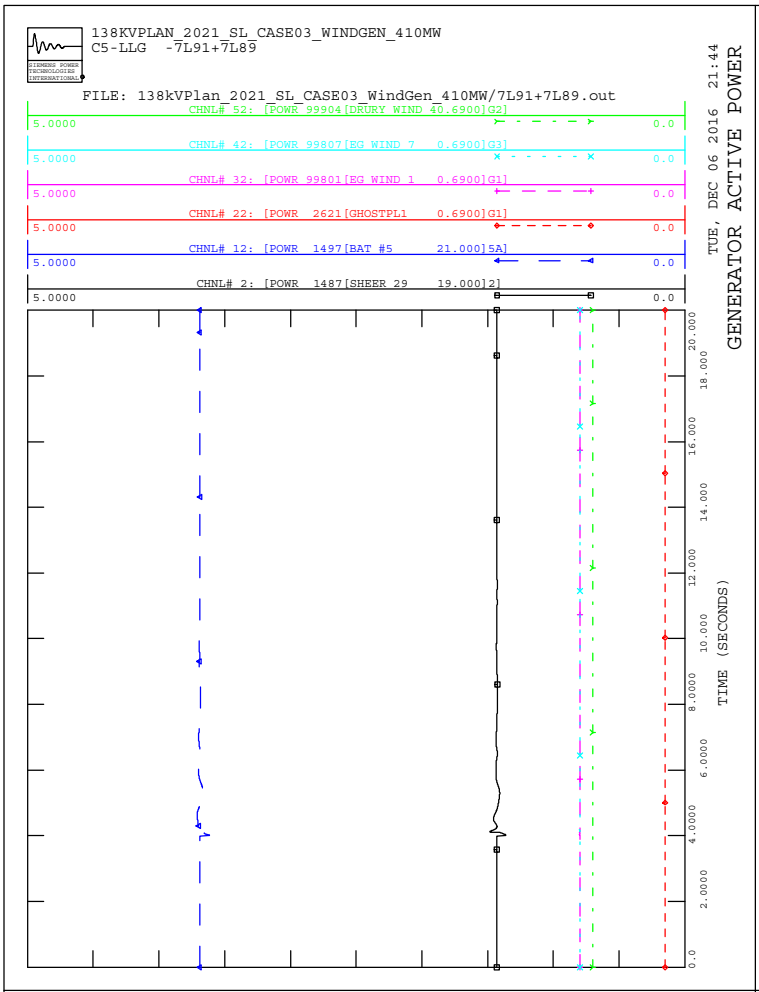
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L89

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L89.out

TUE, DEC 06 2016 21:44

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L89
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L89.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
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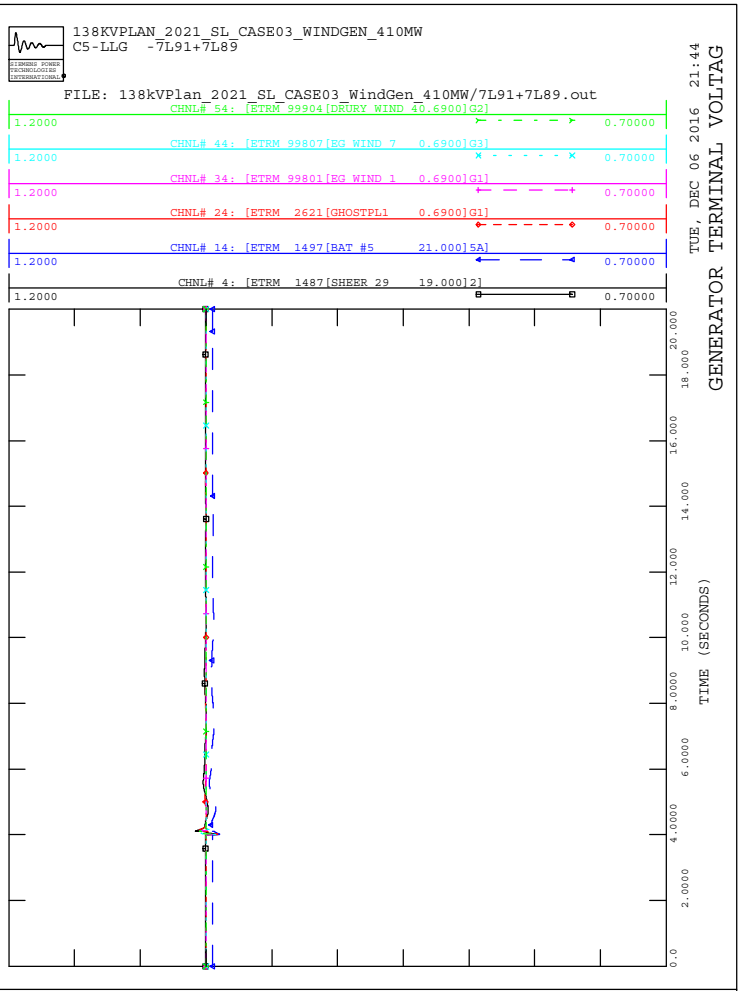
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L89
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L89.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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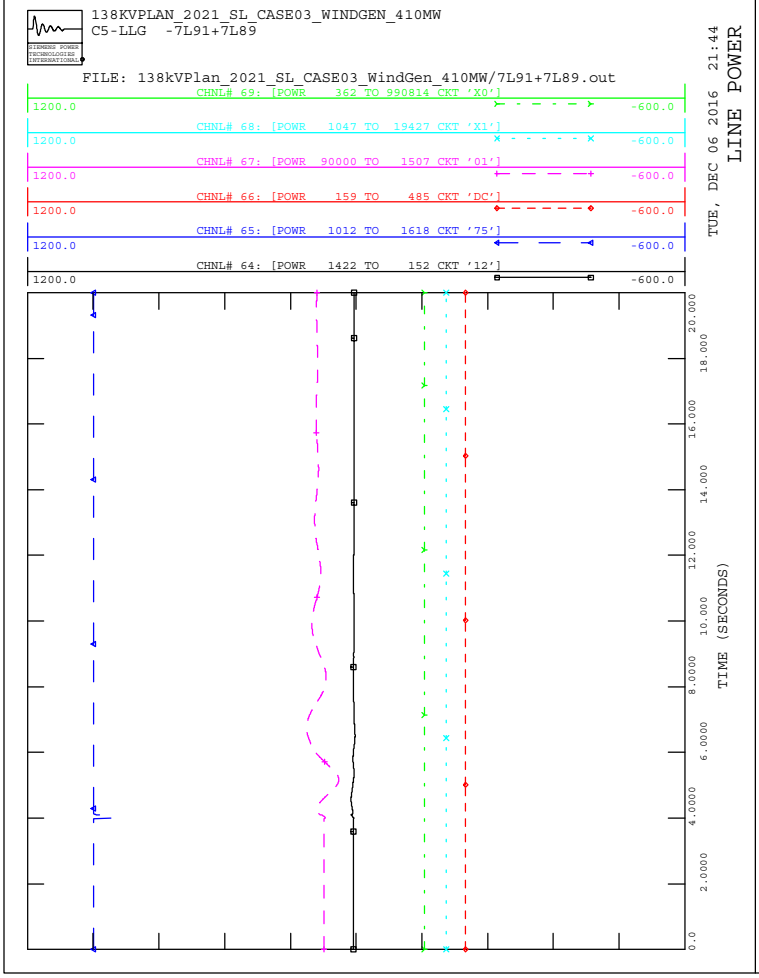
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L89
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L89.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:44
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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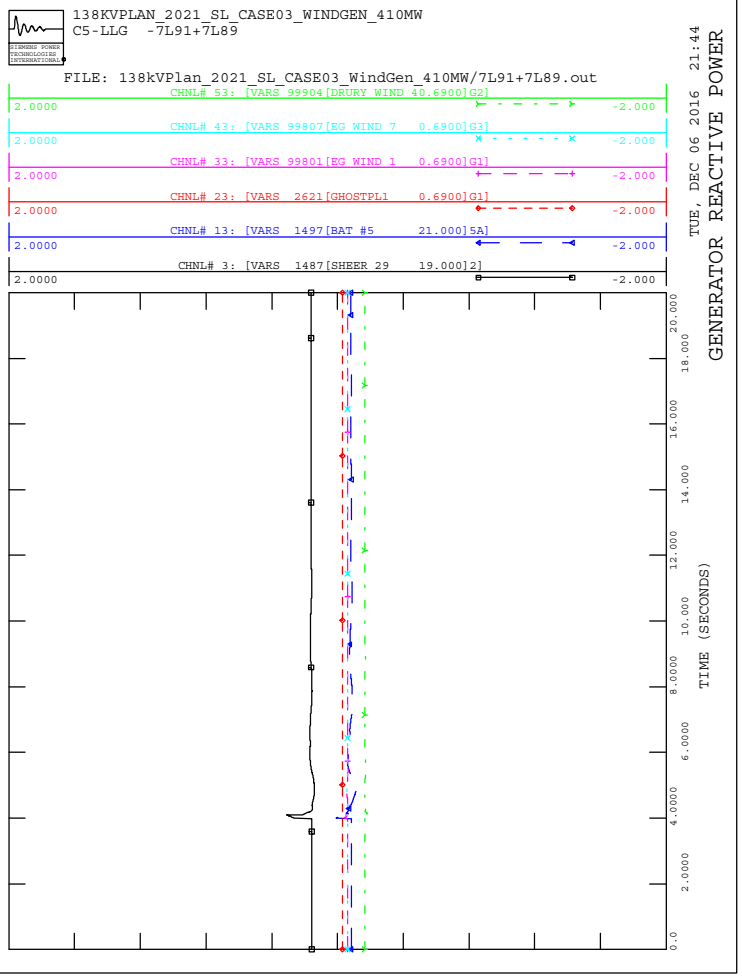
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L91+7L89
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L91+7L89.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
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2.0000
4.0000
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8.0000
10.000
12.000
14.000
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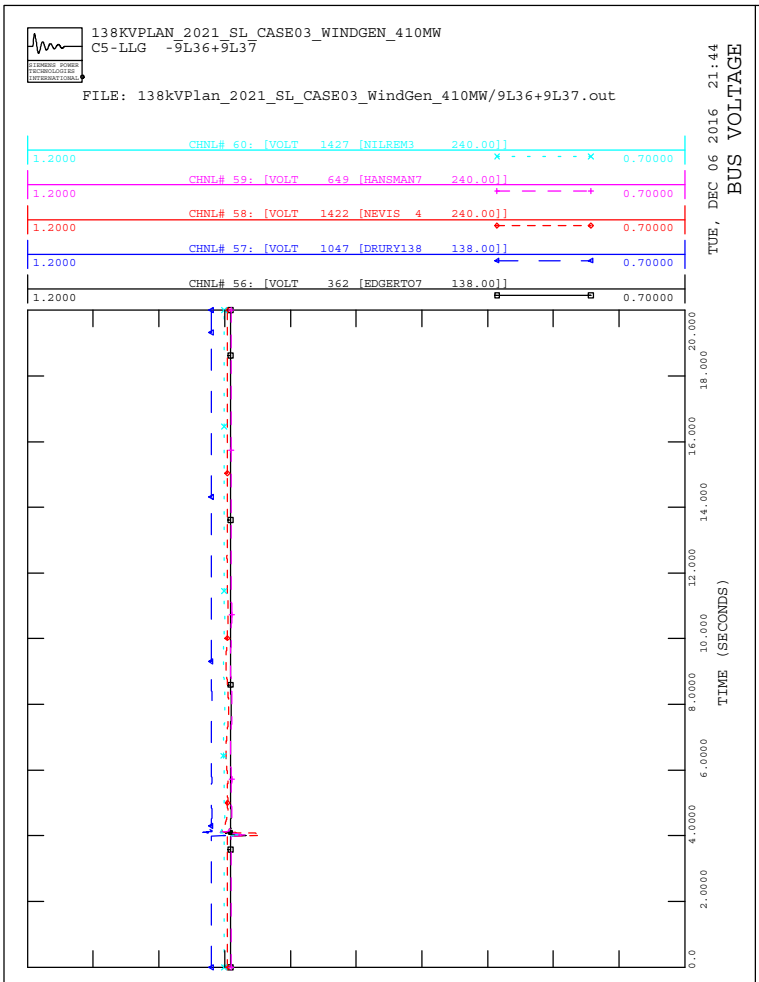
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36+9L37.out
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
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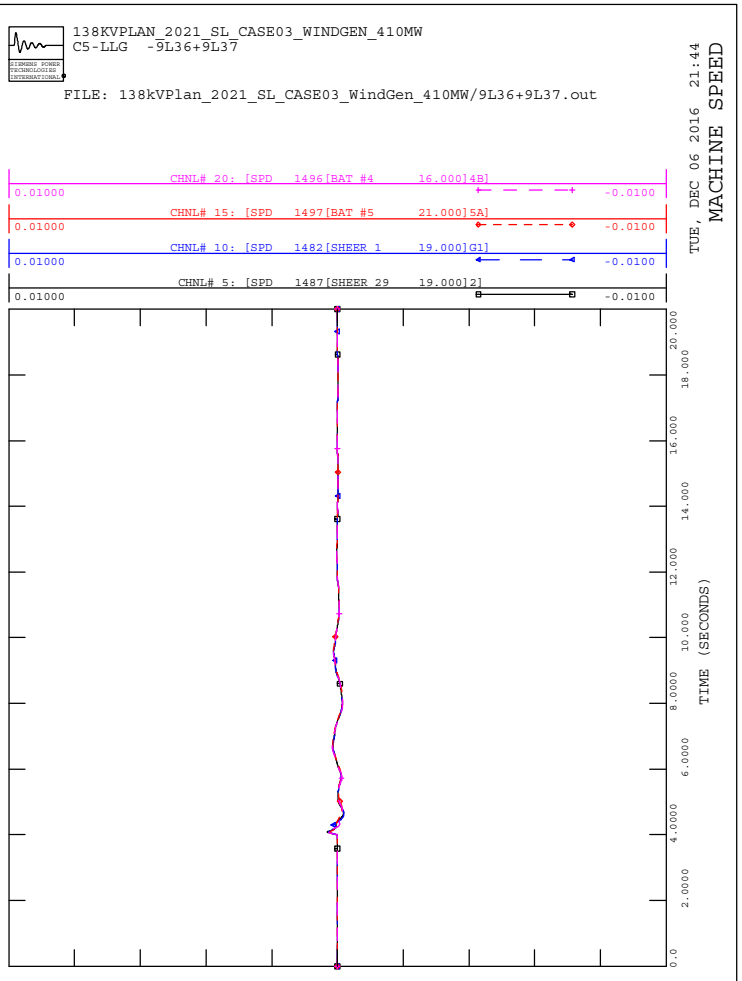
TUE, DEC 06 2016 21:44
BUS VOLTAGE
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36+9L37.out
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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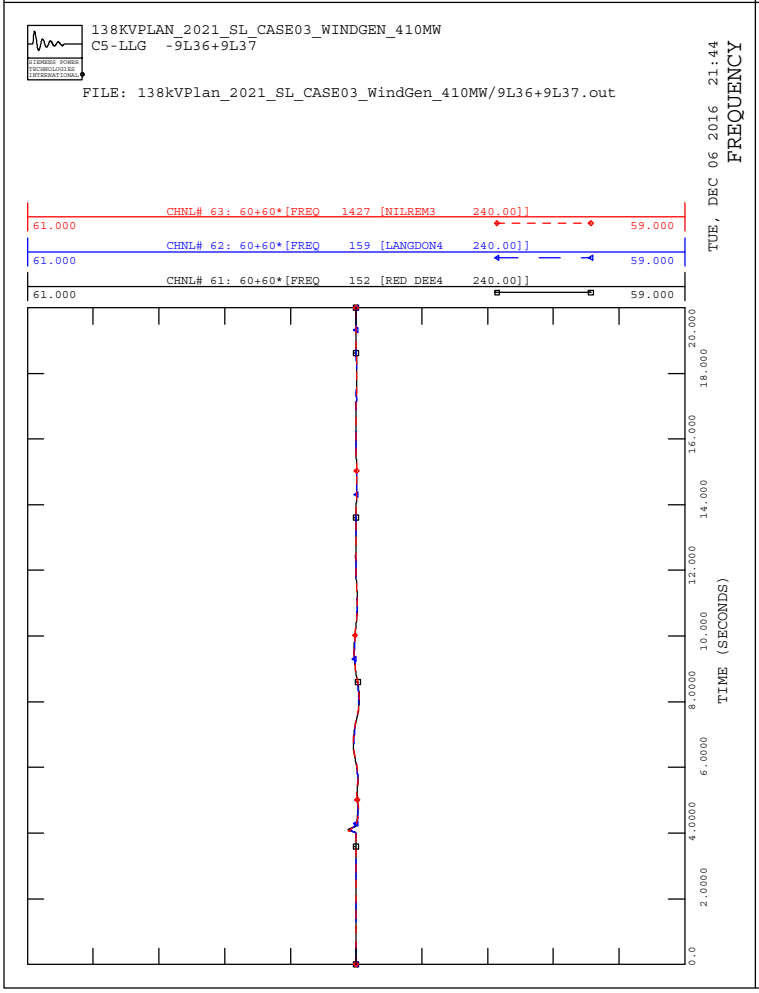
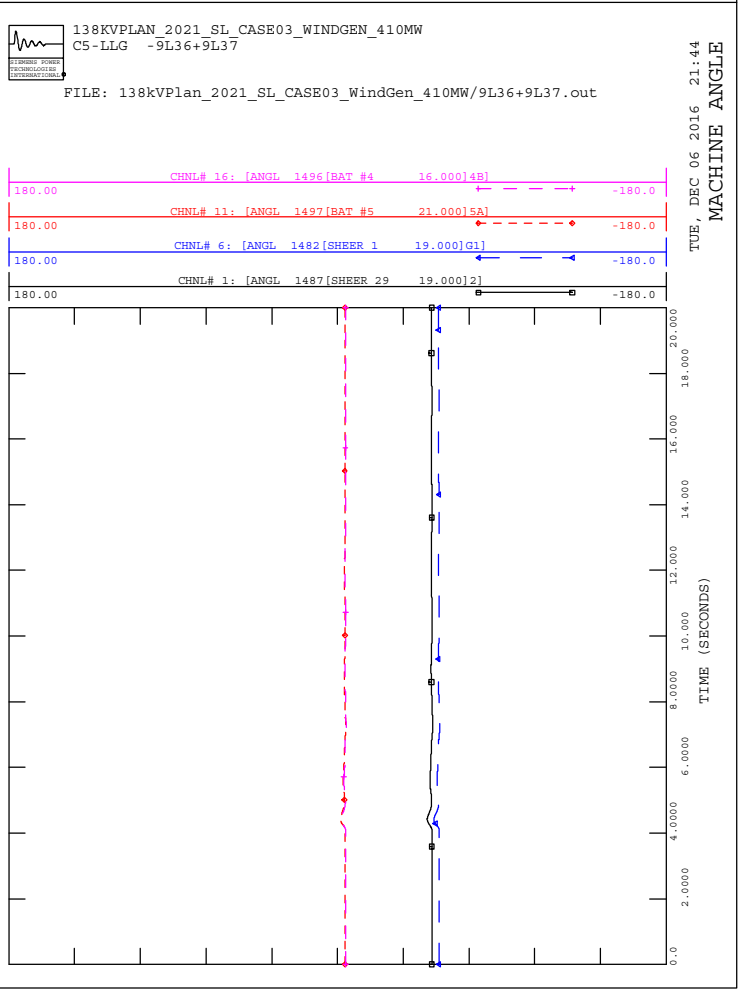
-0.0100
TUE, DEC 06 2016 21:44
MACHINE SPEED
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36+9L37.out
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TUE, DEC 06 2016 21:44
FREQUENCY
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36+9L37.out
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
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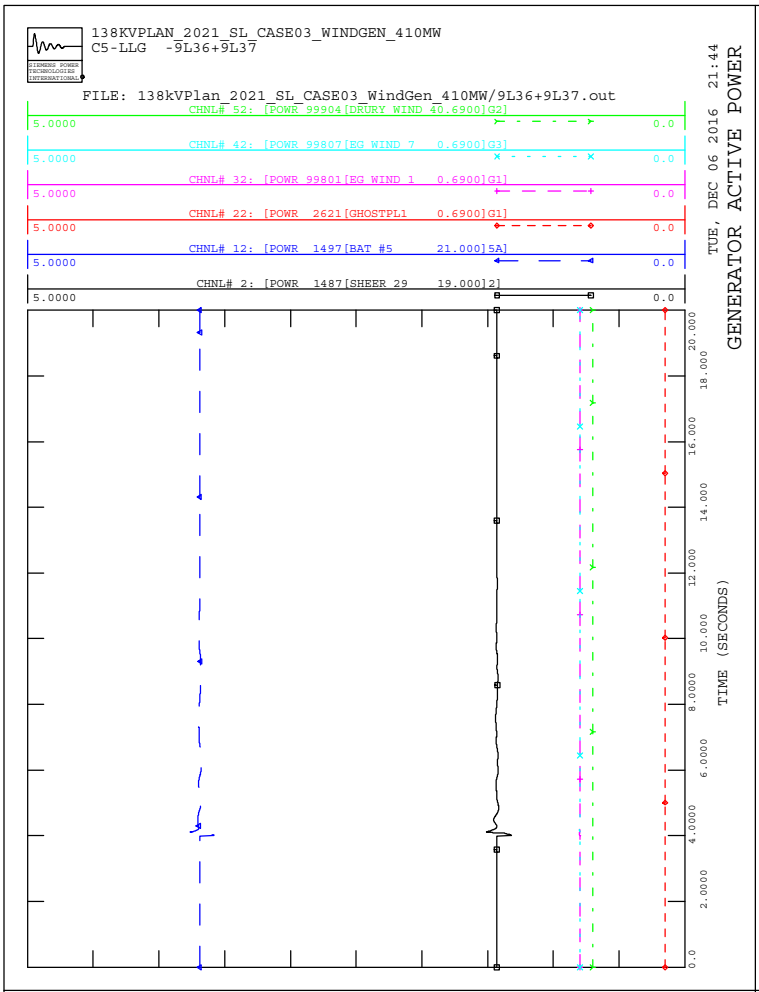
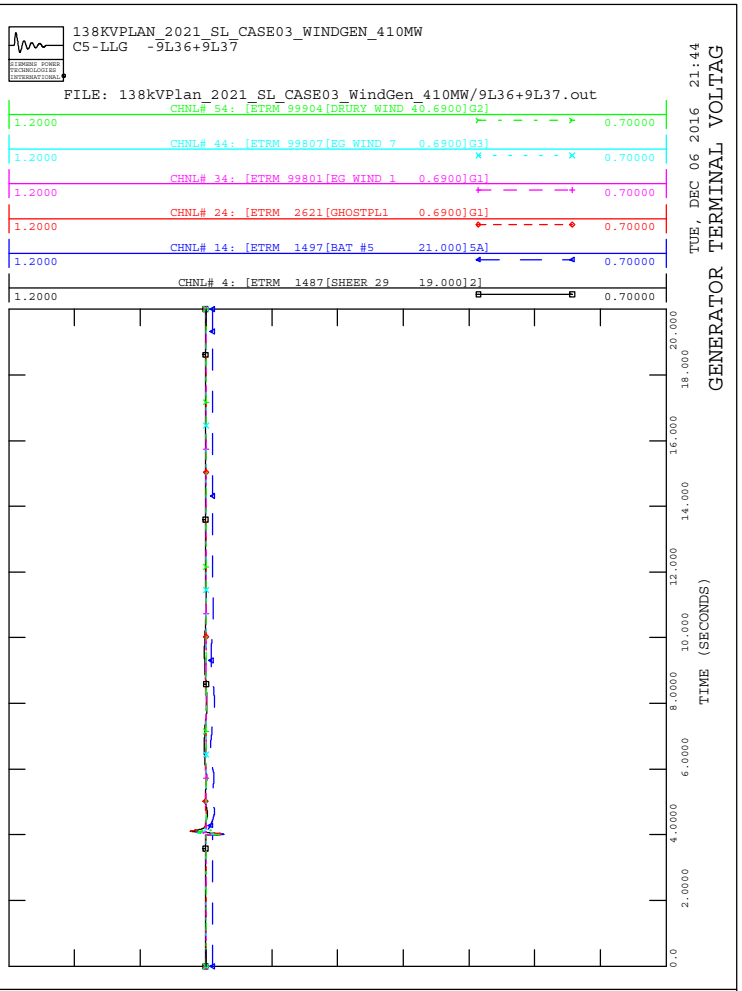
-180.0
TUE, DEC 06 2016 21:44
MACHINE ANGLE
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36+9L37.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36+9L37.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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12.000
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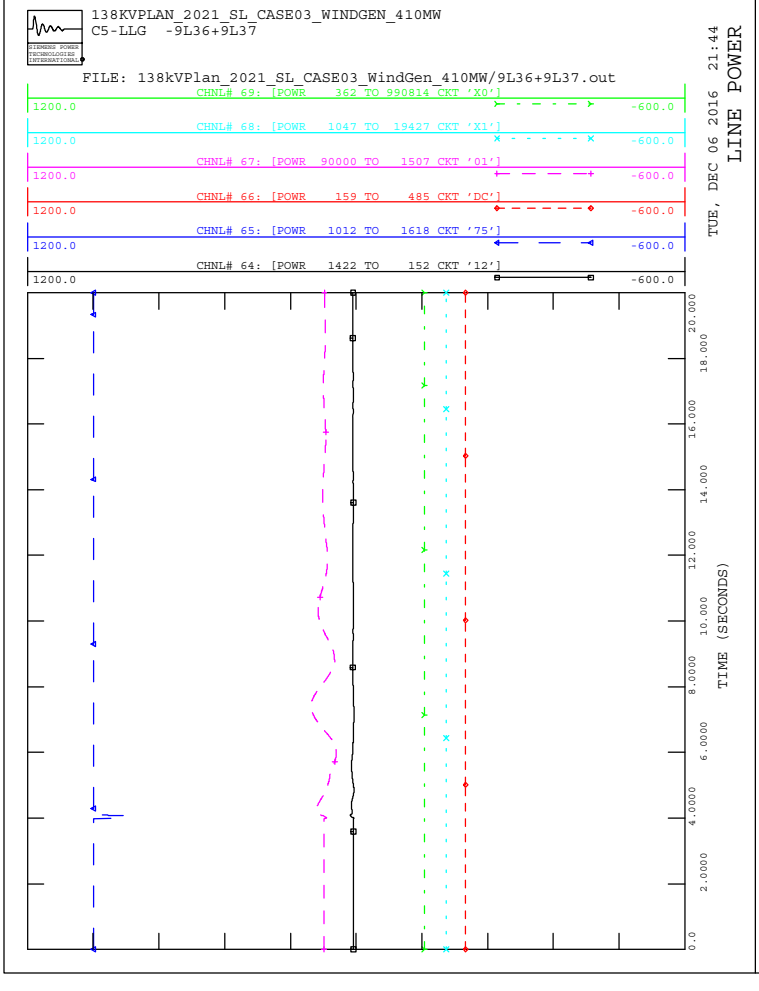
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36+9L37.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:44
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
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8.0000
10.000
12.000
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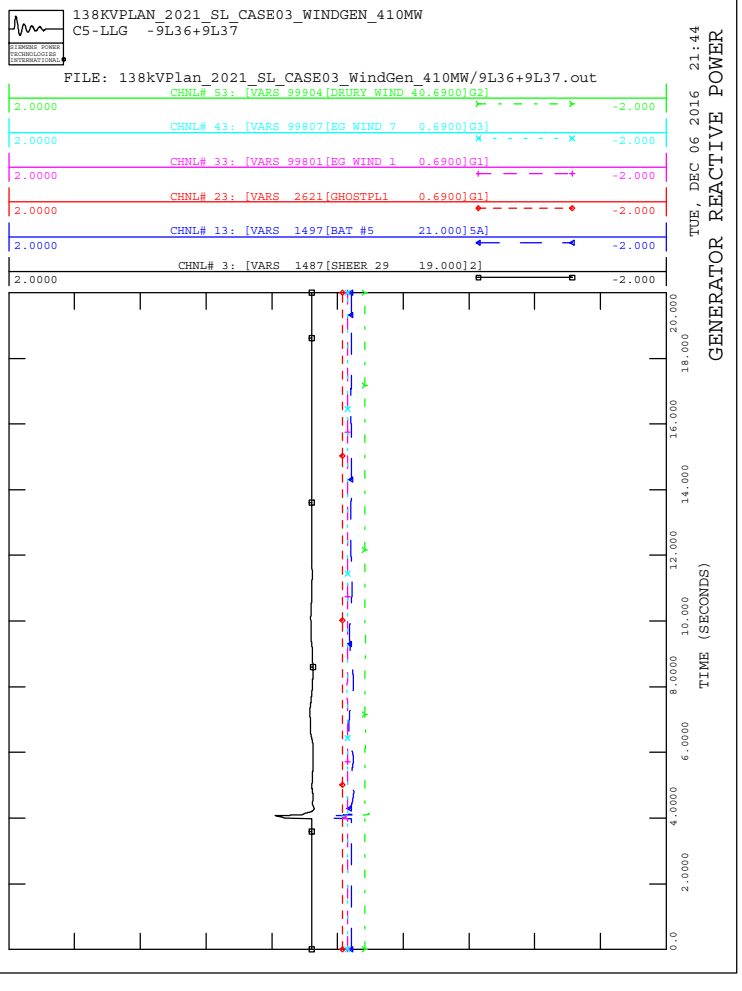
20.000

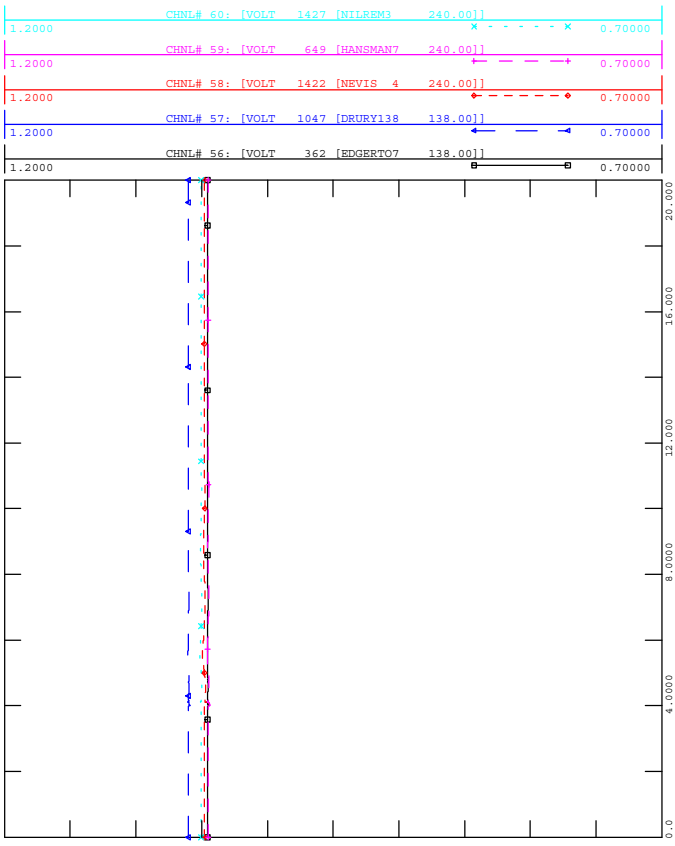

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36+9L37.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L139+7L70

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L139+7L70.out

TUE, DEC 06 2016 21:44

BUS VOLTAGE

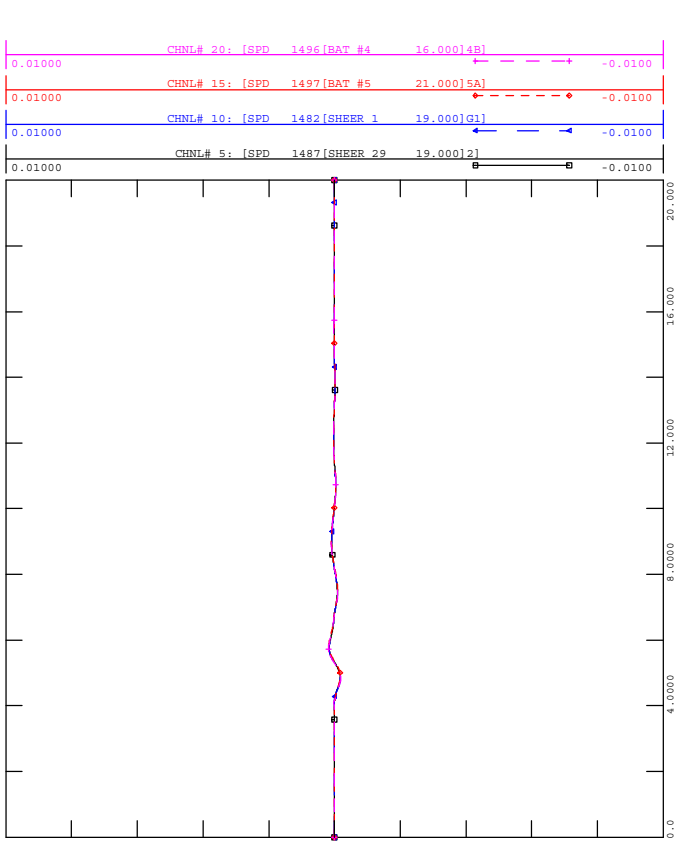


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L139+7L70

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L139+7L70.out

TUE, DEC 06 2016 21:44

MACHINE SPEED

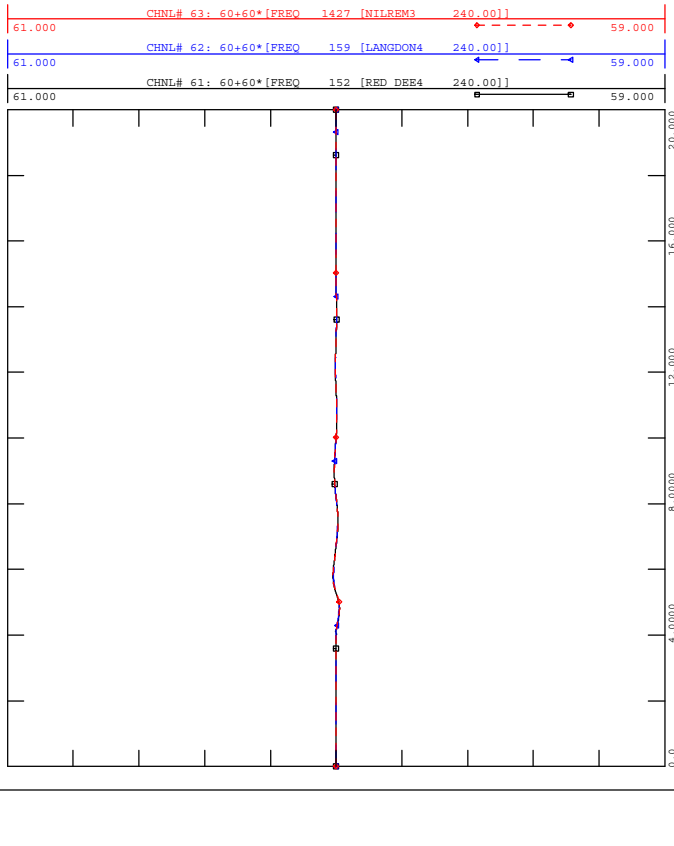


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L139+7L70

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L139+7L70.out

TUE, DEC 06 2016 21:44

FREQUENCY

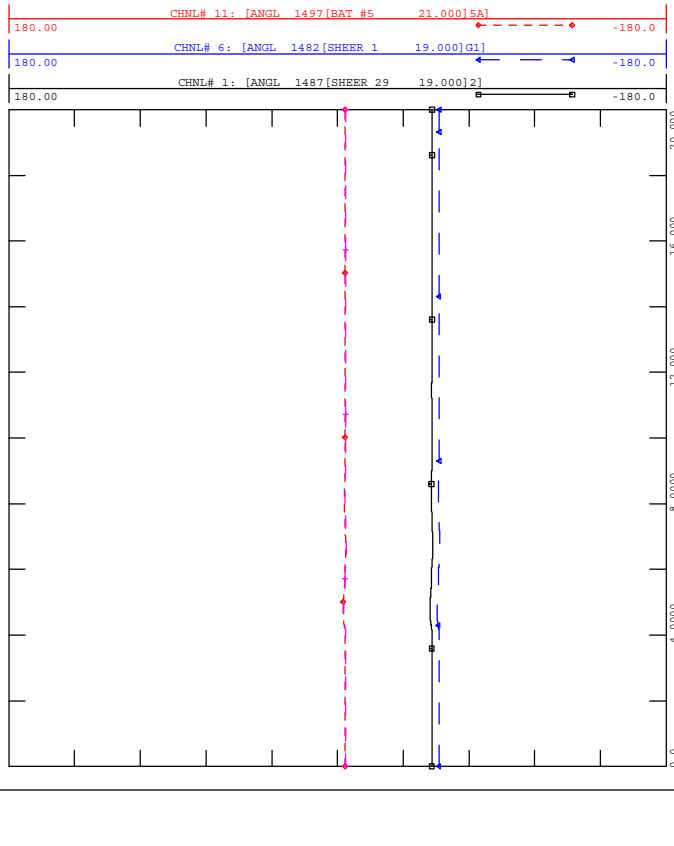


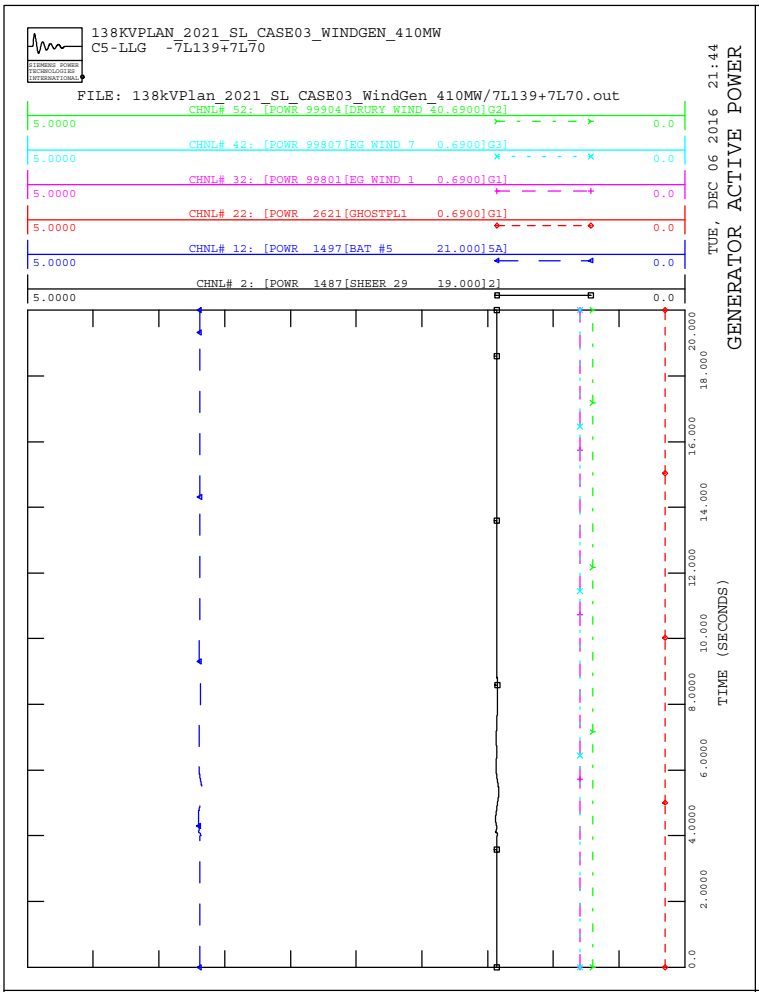
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L139+7L70

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L139+7L70.out

TUE, DEC 06 2016 21:44

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L139+7L70
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L139+7L70.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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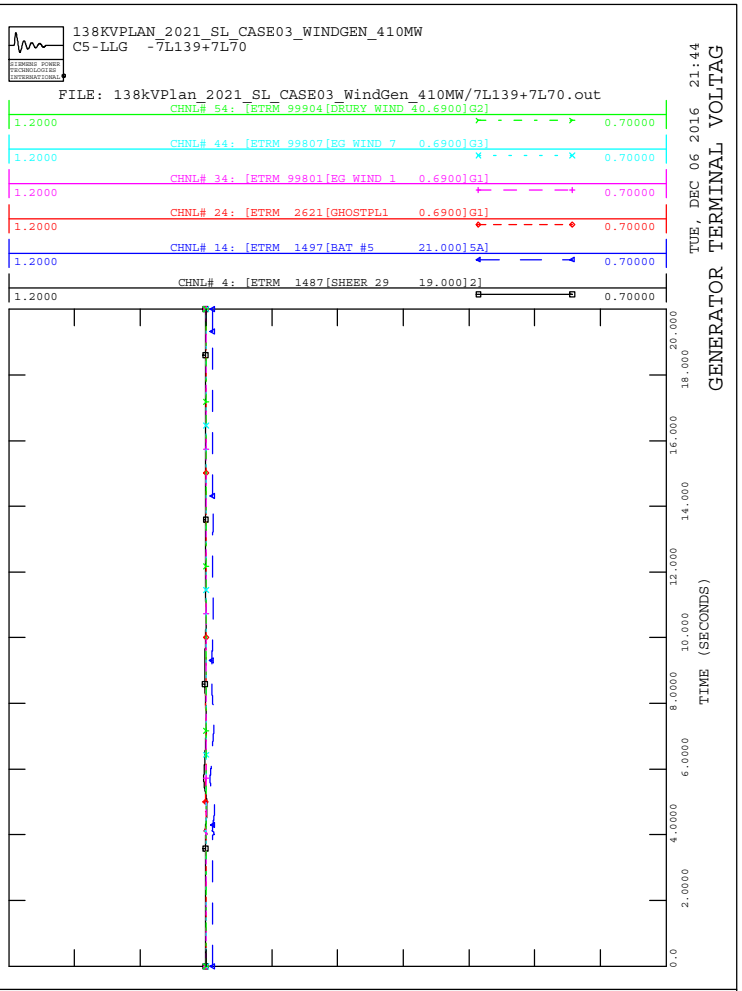
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L139+7L70
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L139+7L70.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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12.000
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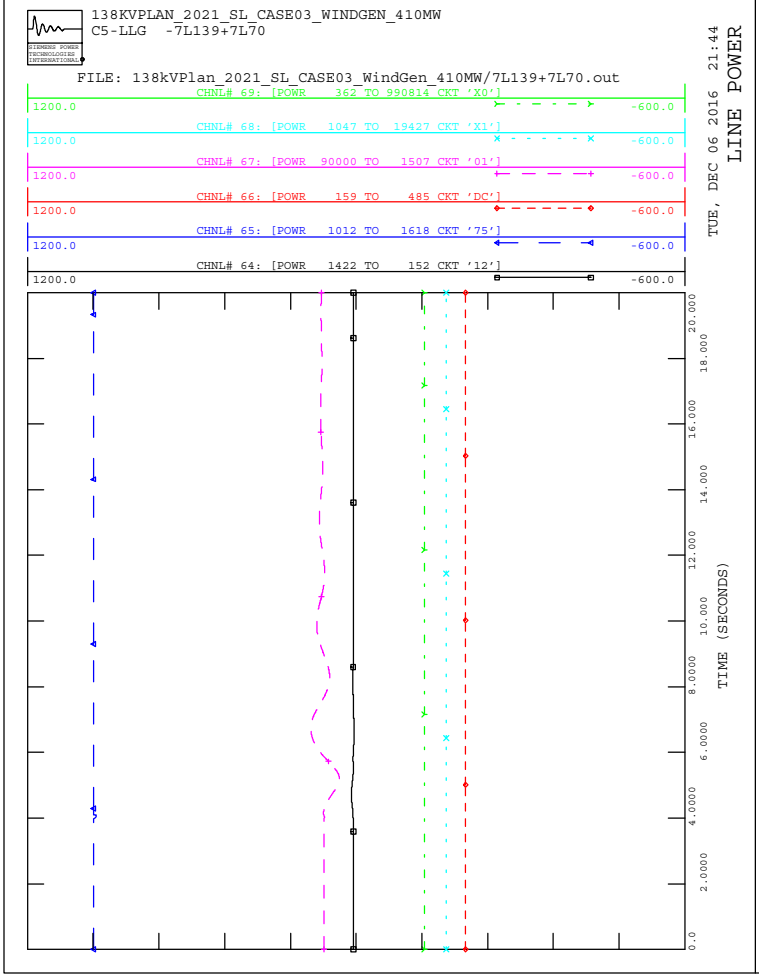
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L139+7L70
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L139+7L70.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:44
LINE POWER
TIME (SECONDS)
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4.0000
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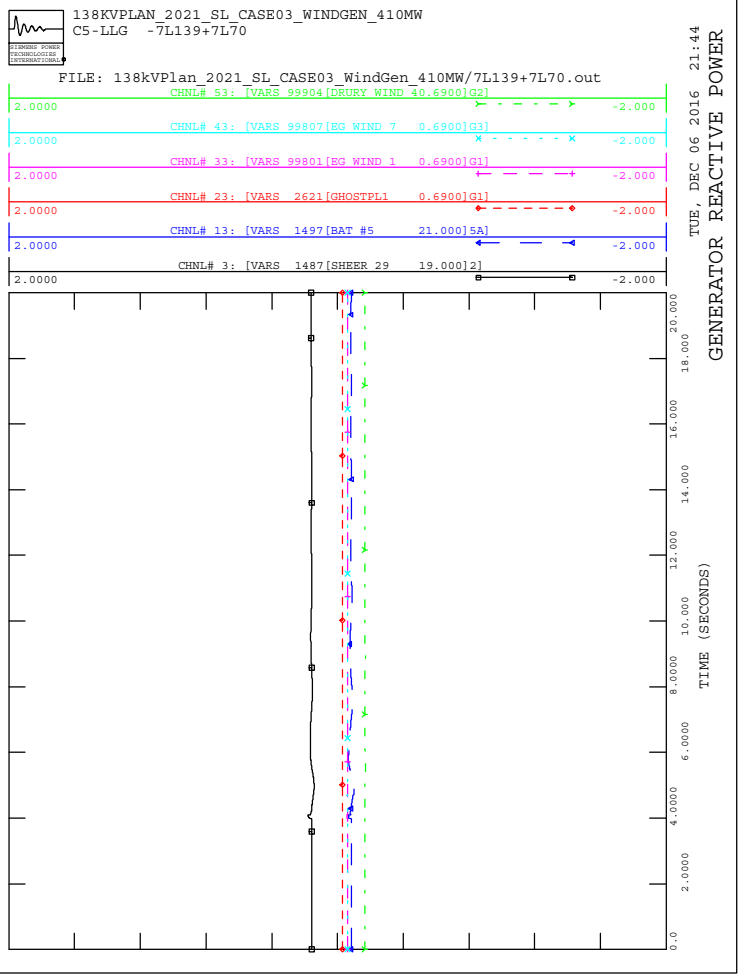
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L139+7L70
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L139+7L70.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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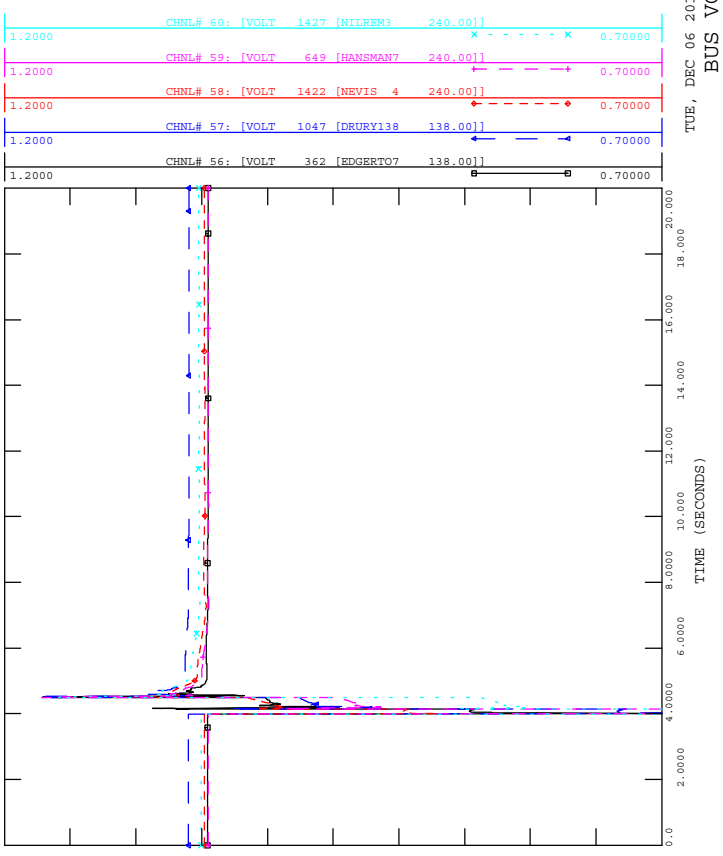
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -679L+680L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/679L+680L.out

TUE, DEC 06 2016 21:44

BUS VOLTAGE

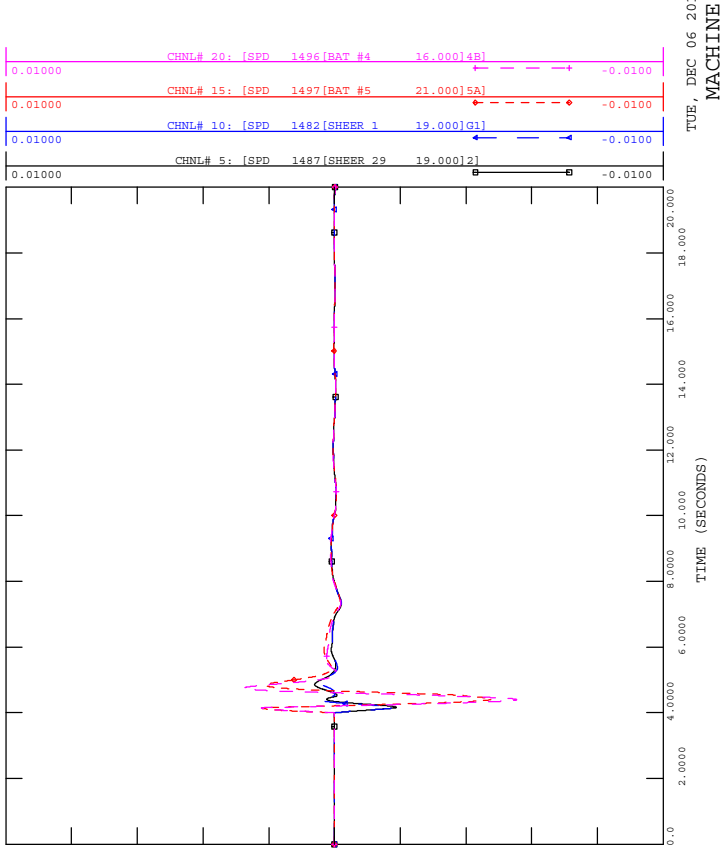


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -679L+680L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/679L+680L.out

TUE, DEC 06 2016 21:44

MACHINE SPEED

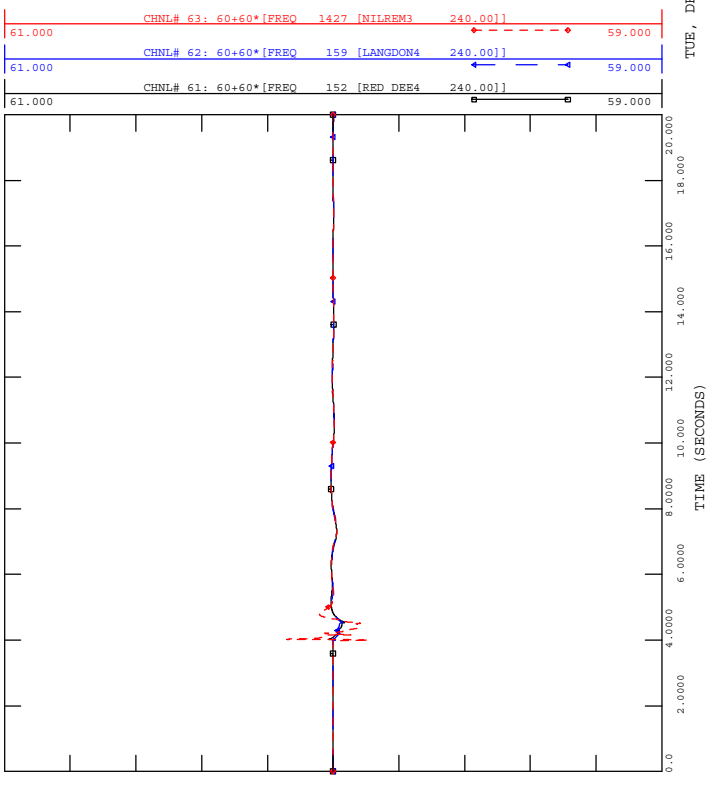


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -679L+680L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/679L+680L.out

TUE, DEC 06 2016 21:44

FREQUENCY

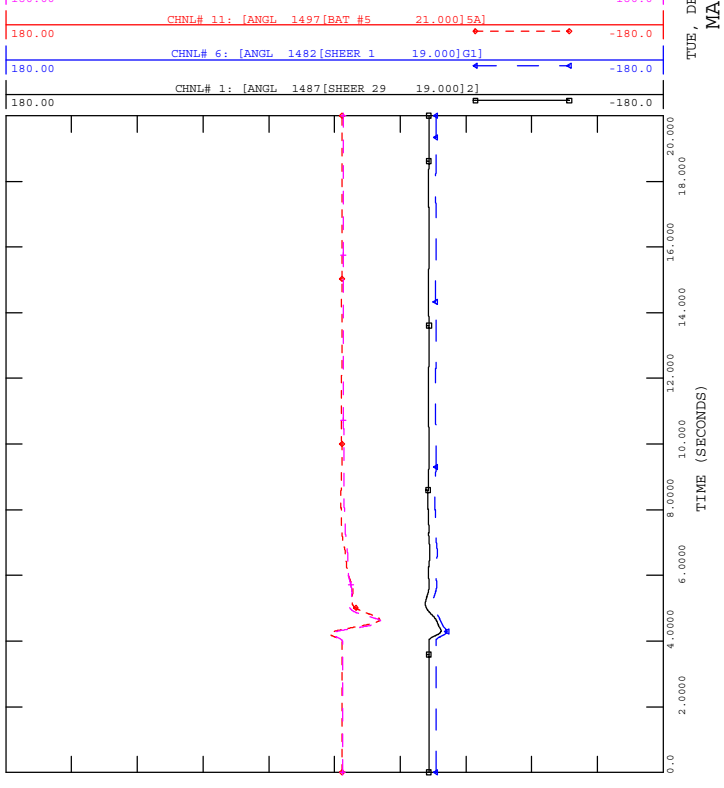


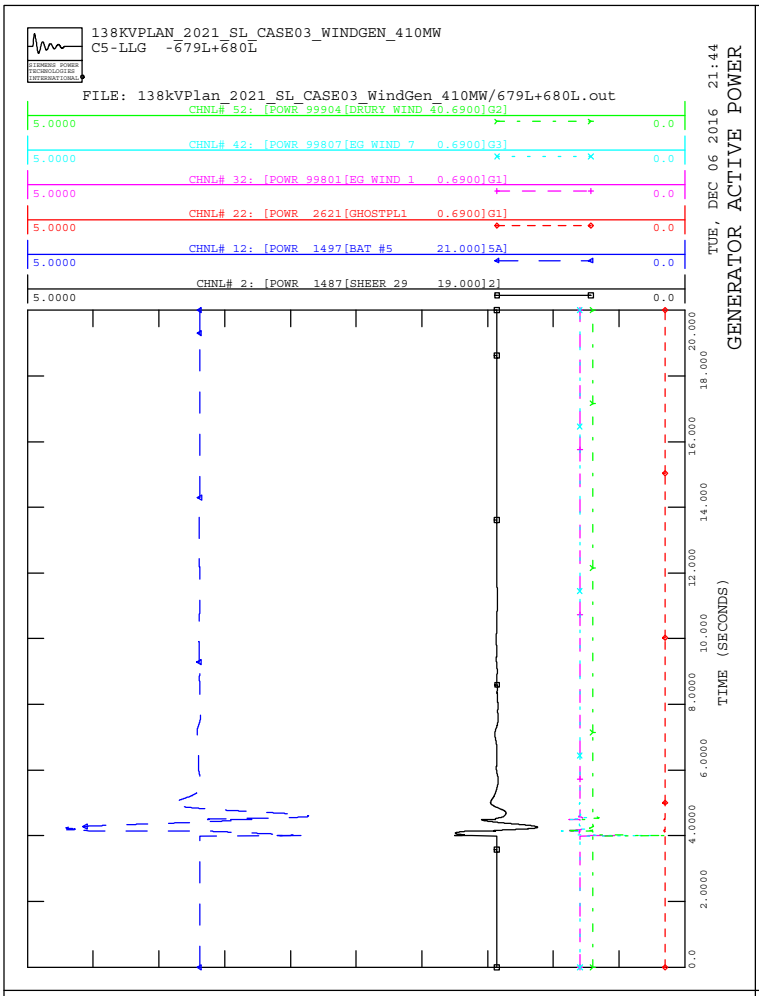
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -679L+680L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/679L+680L.out

TUE, DEC 06 2016 21:44

MACHINE ANGLE

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C5-LLG -679L+680L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/679L+680L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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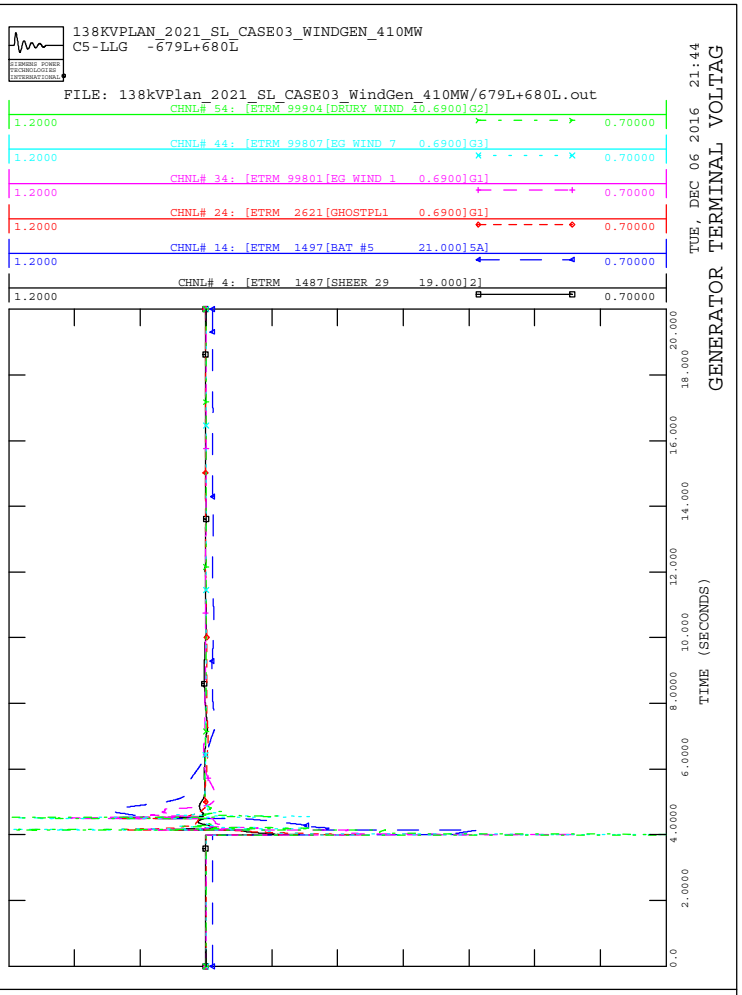
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -679L+680L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/679L+680L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
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8.0000
10.000
12.000
14.000
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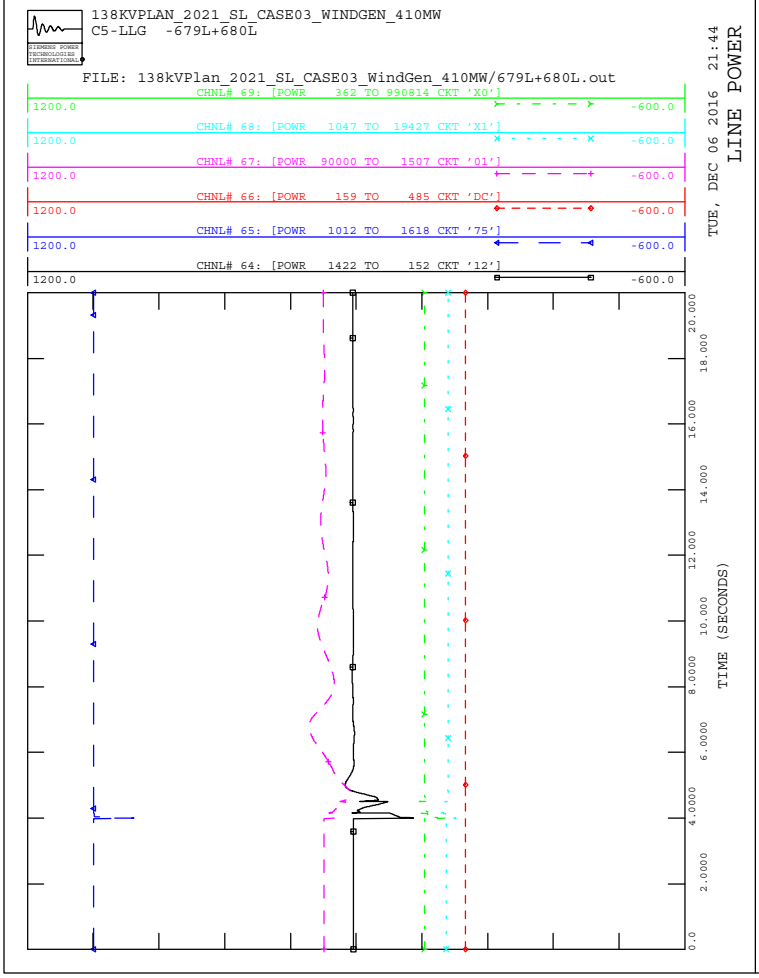
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -679L+680L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/679L+680L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:44
LINE POWER
TIME (SECONDS)
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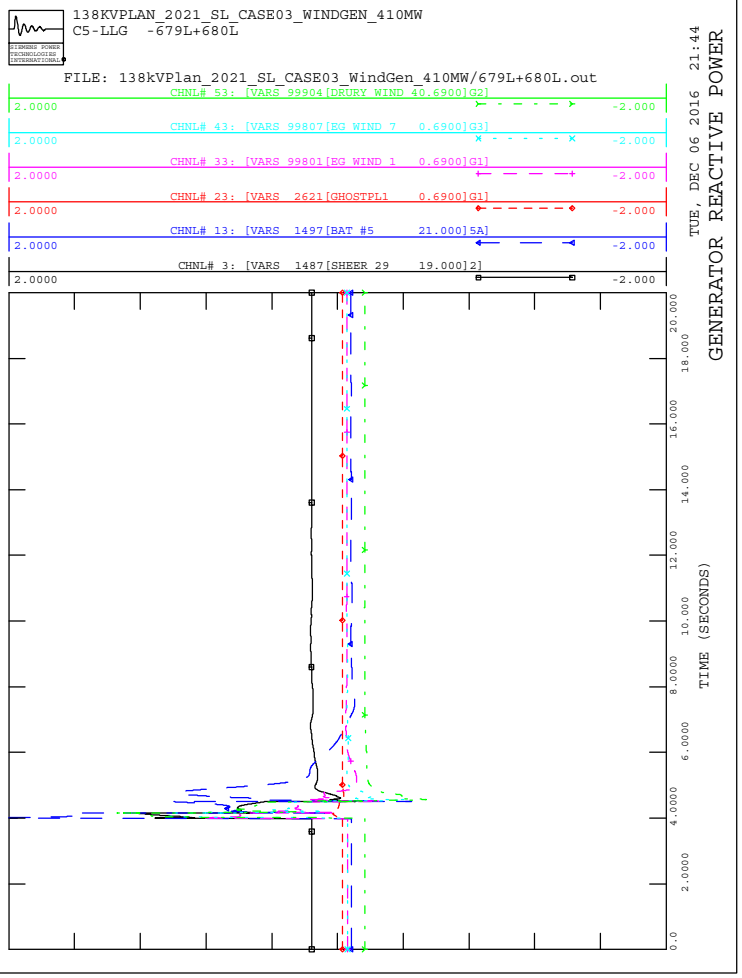
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -679L+680L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/679L+680L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
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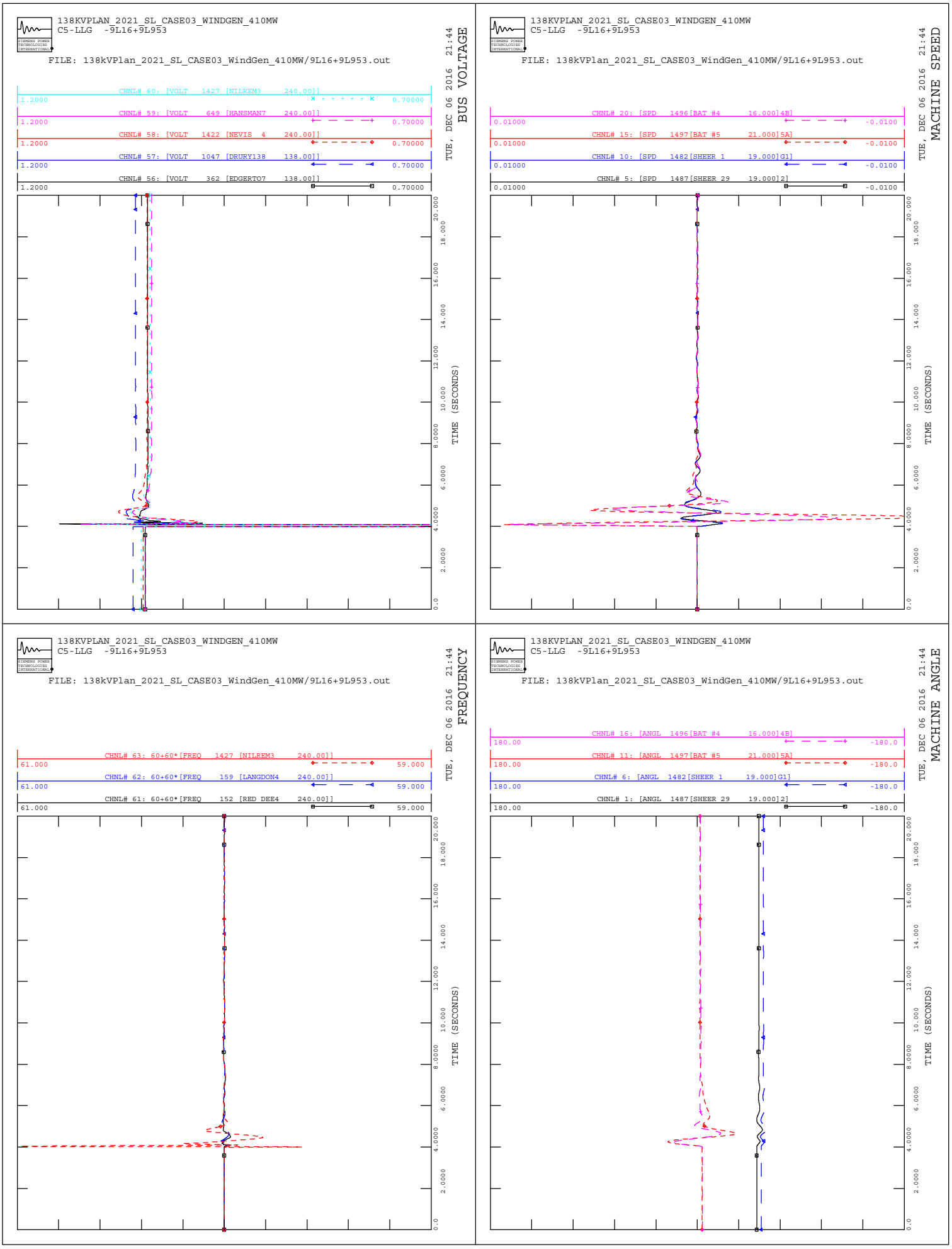
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16+9L953.out
TUE, DEC 06 2016 21:44
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16+9L953.out
TUE, DEC 06 2016 21:44
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
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8.0000
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12.000
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18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16+9L953.out
TUE, DEC 06 2016 21:44
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16+9L953.out
TUE, DEC 06 2016 21:44
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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4.0000
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8.0000
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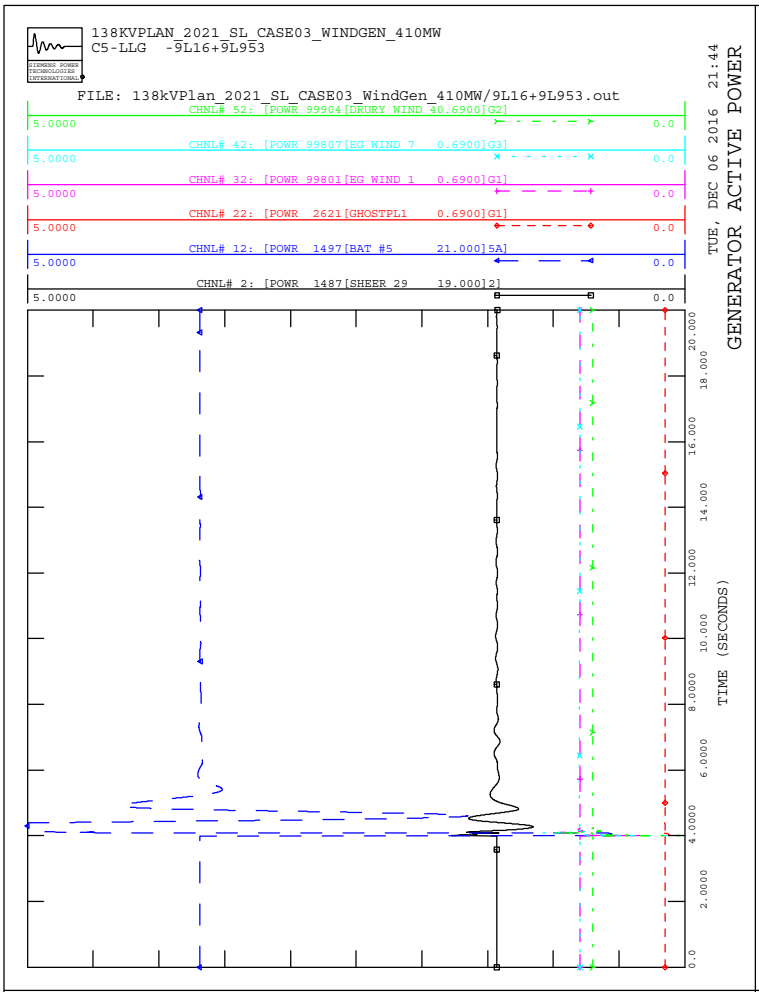
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16+9L953.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
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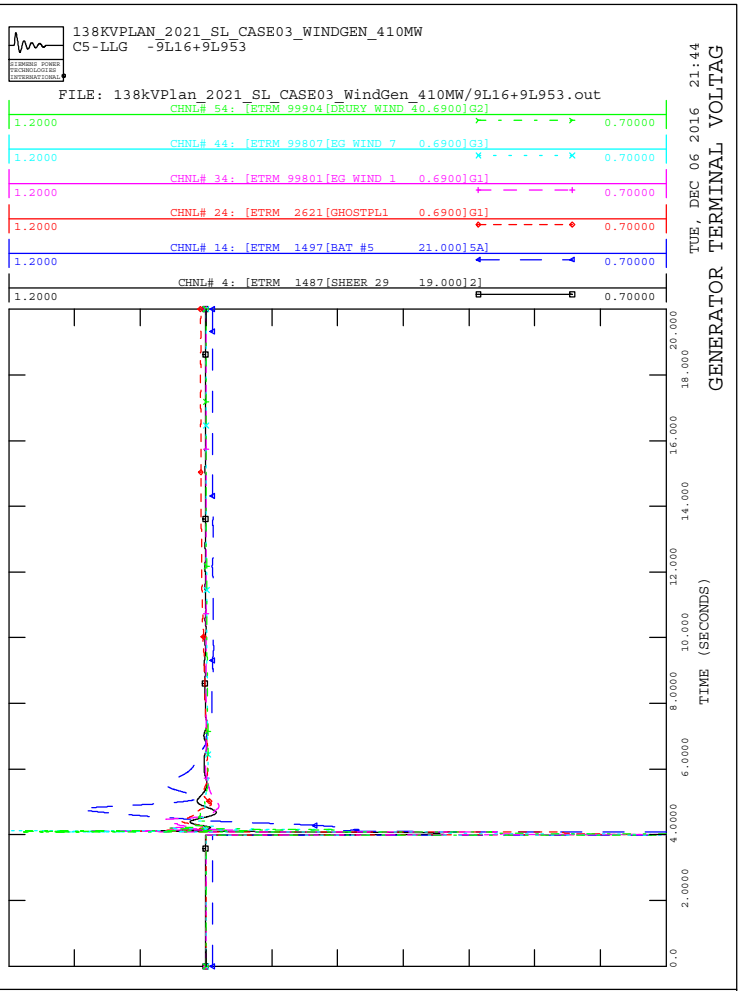
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16+9L953.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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0.70000
TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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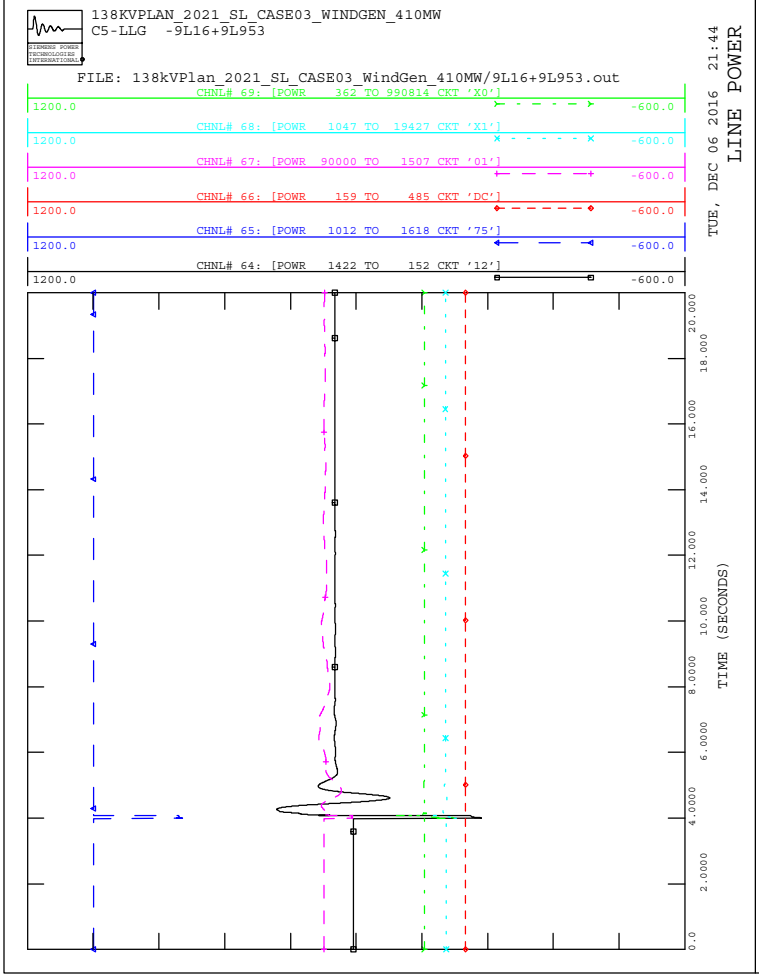
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16+9L953.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:44
LINE POWER
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
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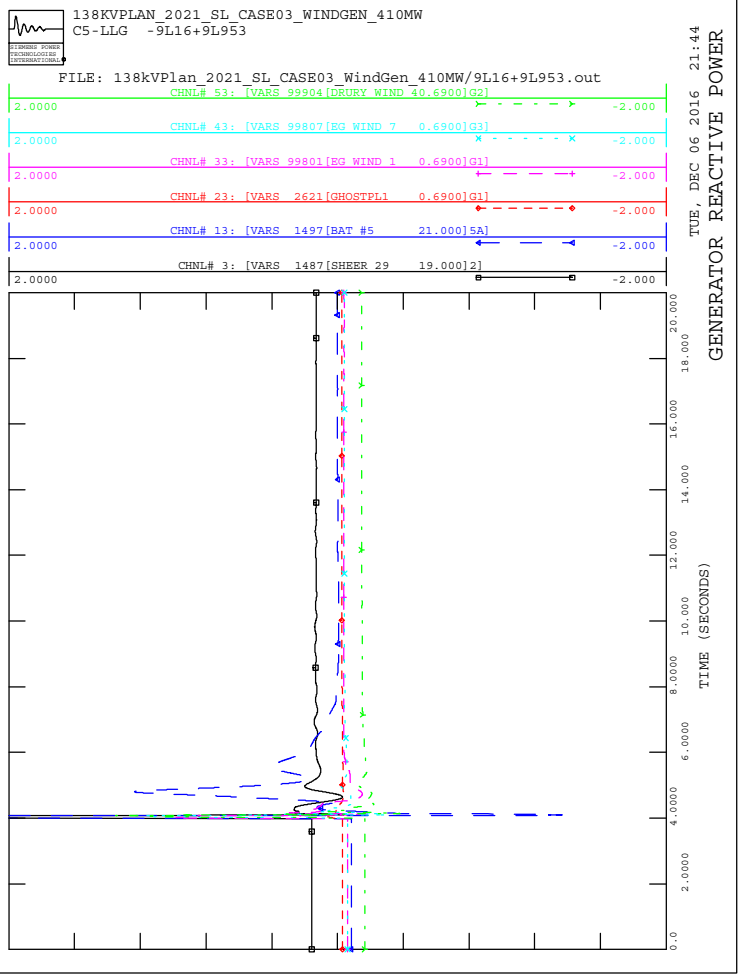
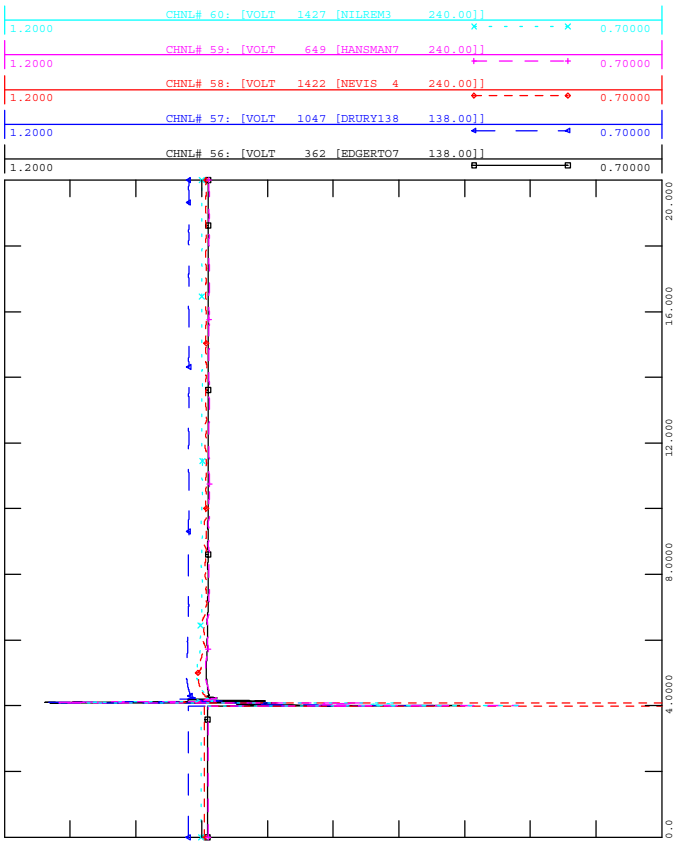

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16+9L953.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1082L+925L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1082L+925L.out

TUE, DEC 06 2016 21:44

BUS VOLTAGE

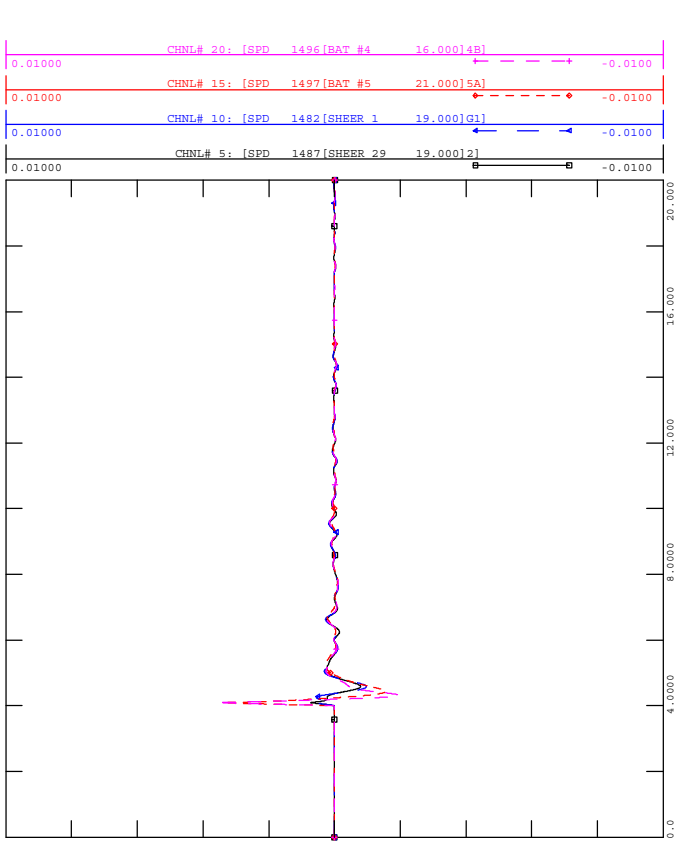


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1082L+925L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1082L+925L.out

TUE, DEC 06 2016 21:44

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1082L+925L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1082L+925L.out

TUE, DEC 06 2016 21:44

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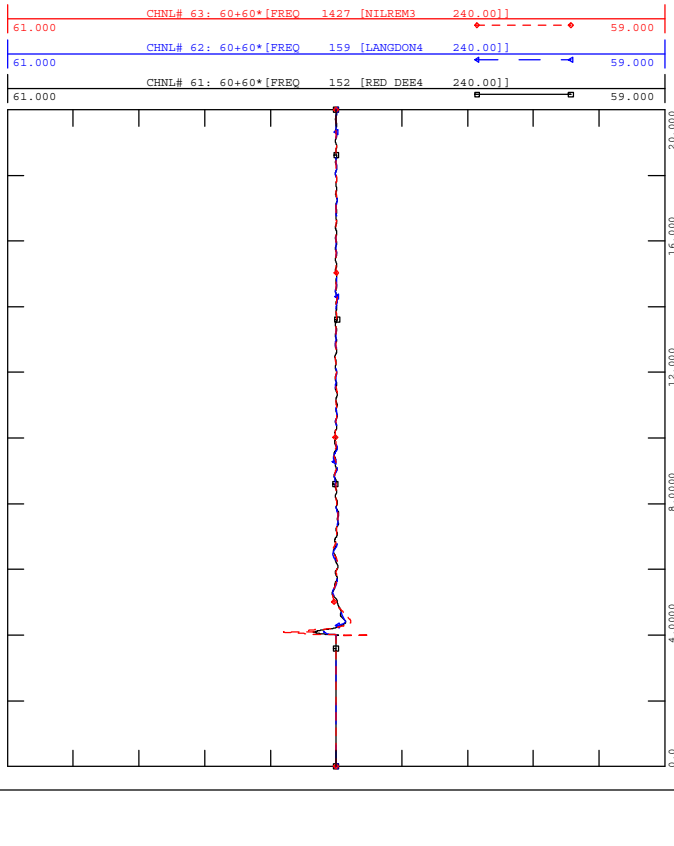
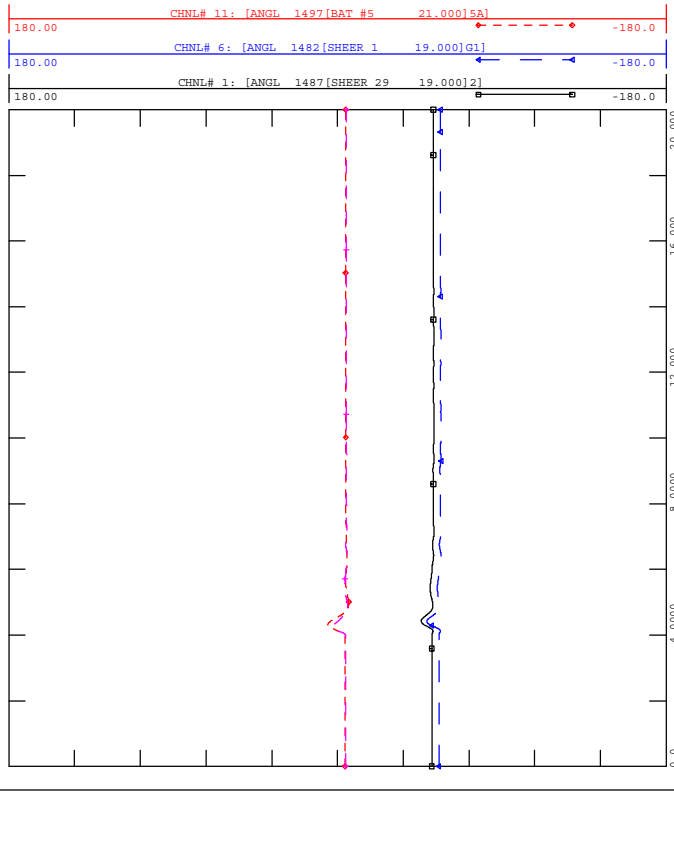


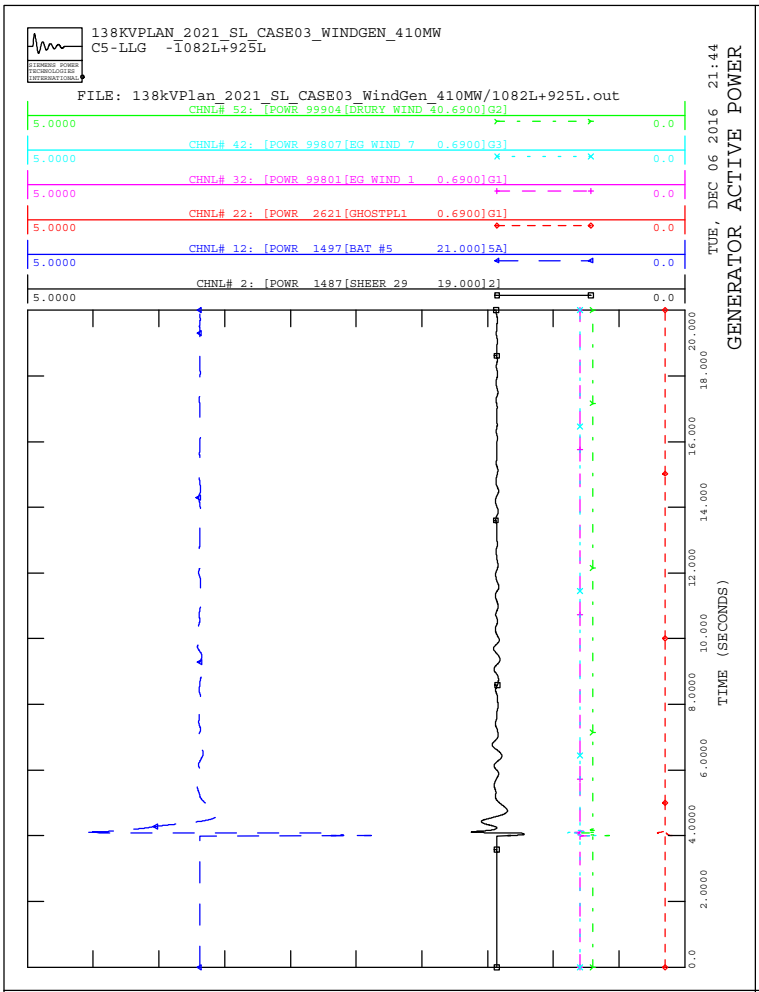
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1082L+925L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1082L+925L.out

TUE, DEC 06 2016 21:44

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1082L+925L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1082L+925L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
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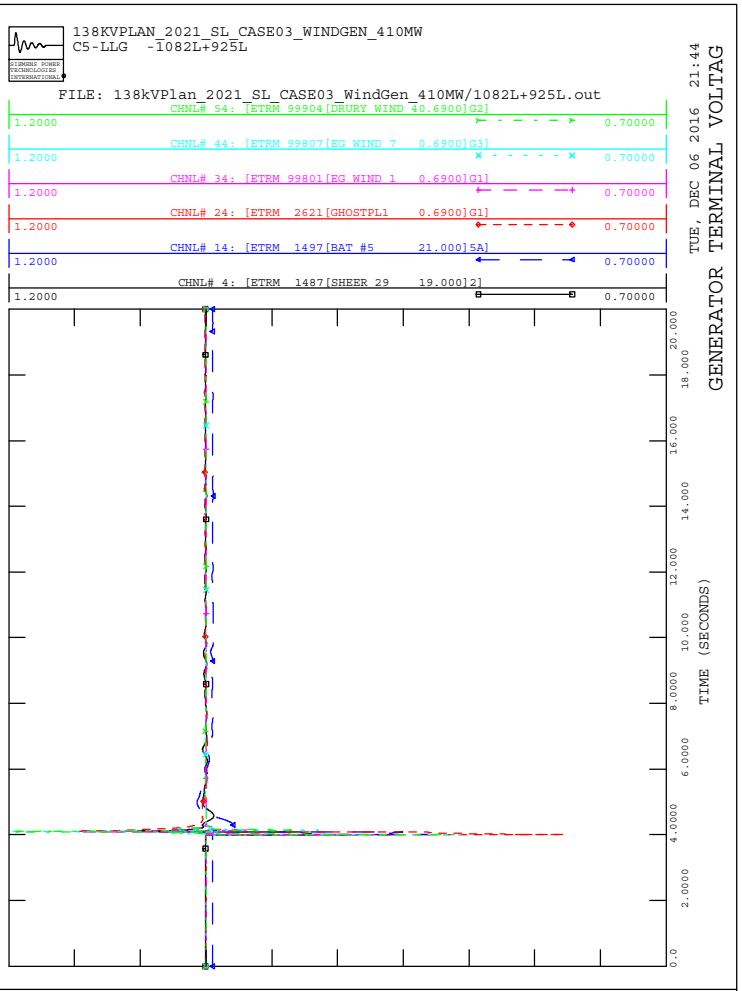
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1082L+925L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1082L+925L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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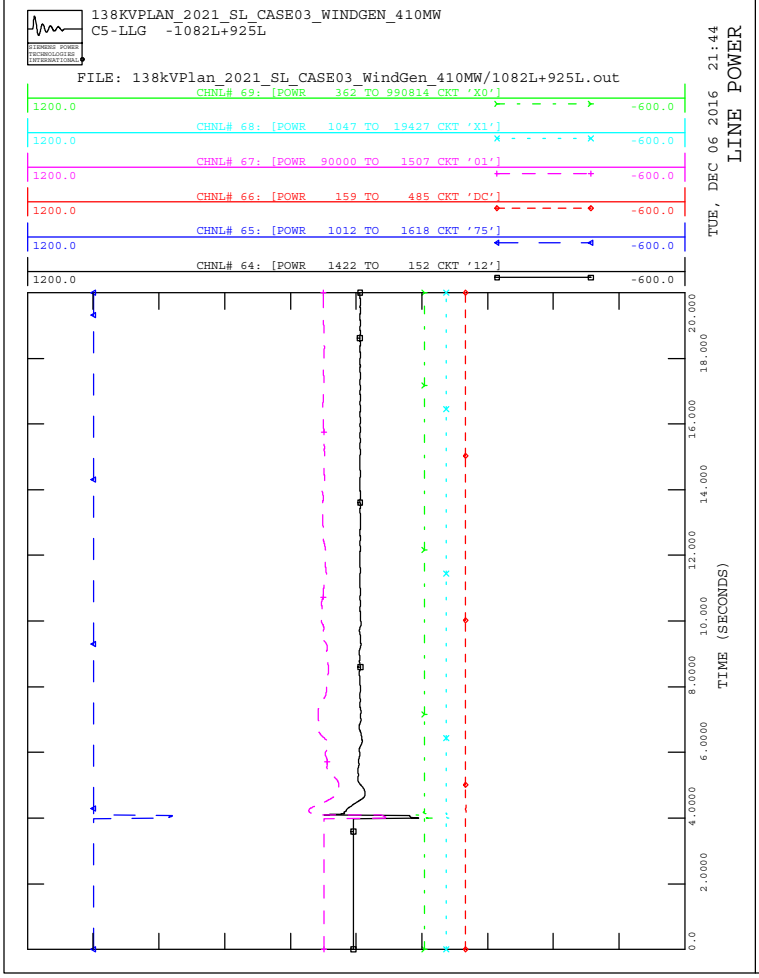
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1082L+925L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1082L+925L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:44
LINE POWER
TIME (SECONDS)
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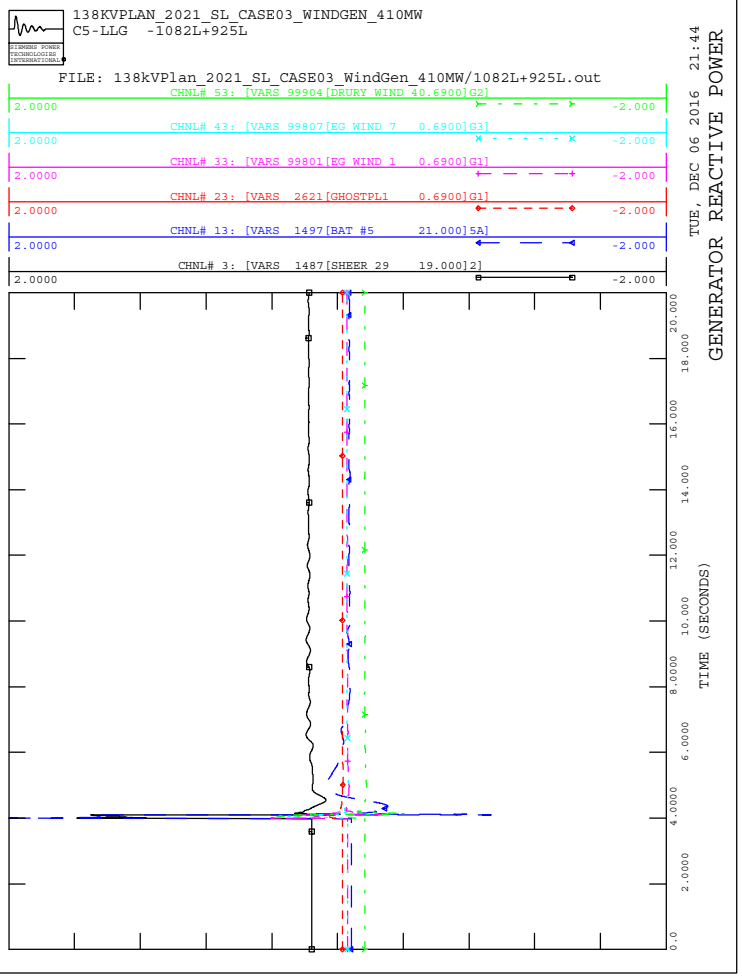
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1082L+925L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1082L+925L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
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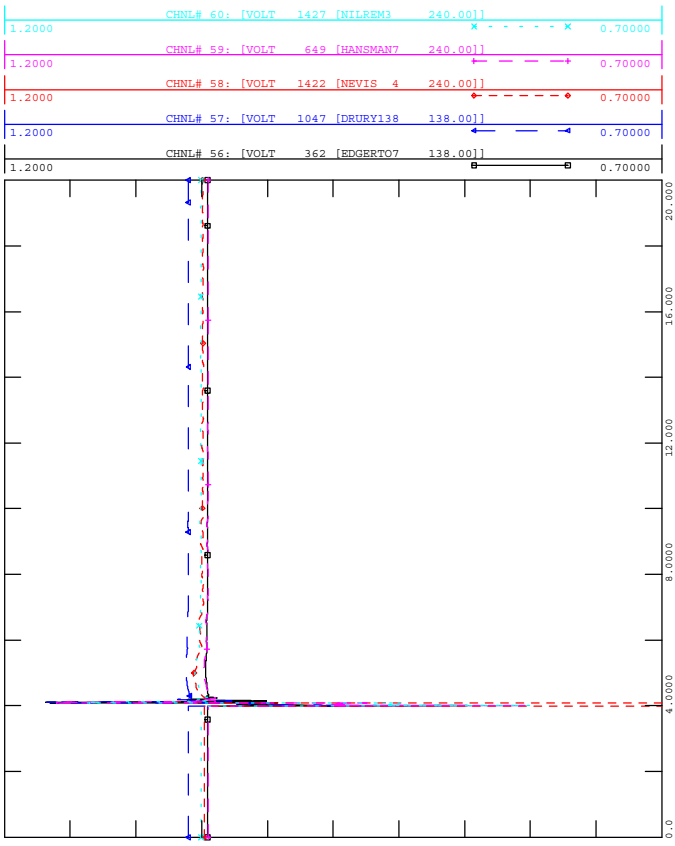
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1083L+914L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1083L+914L.out

TUE, DEC 06 2016 21:44

BUS VOLTAGE

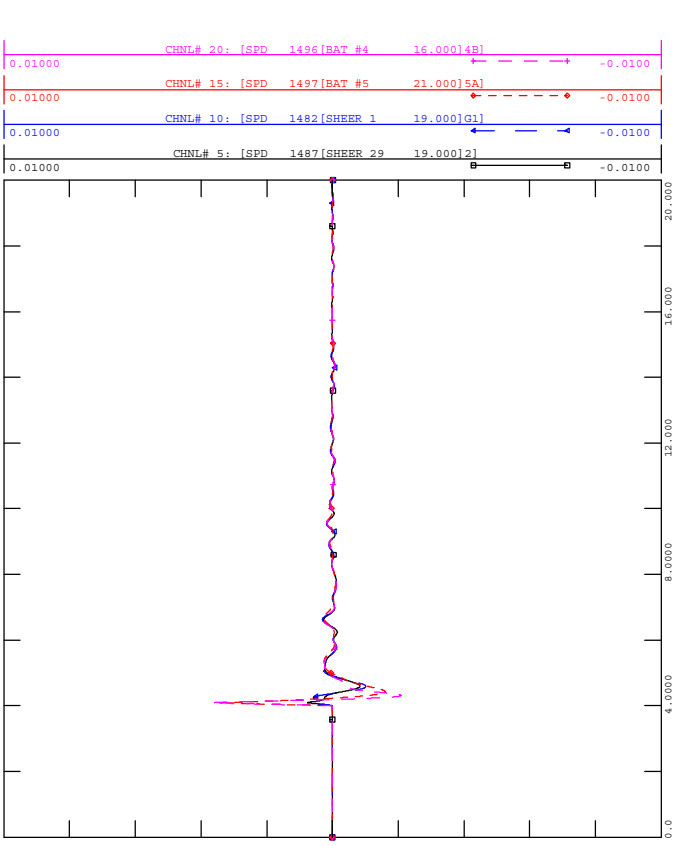


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1083L+914L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1083L+914L.out

TUE, DEC 06 2016 21:44

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1083L+914L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1083L+914L.out

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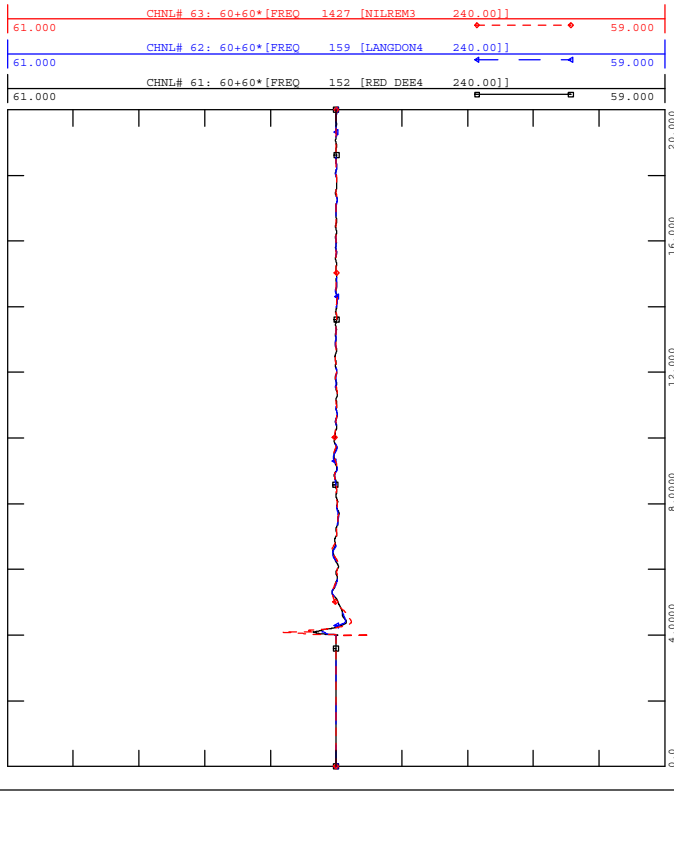

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1083L+914L

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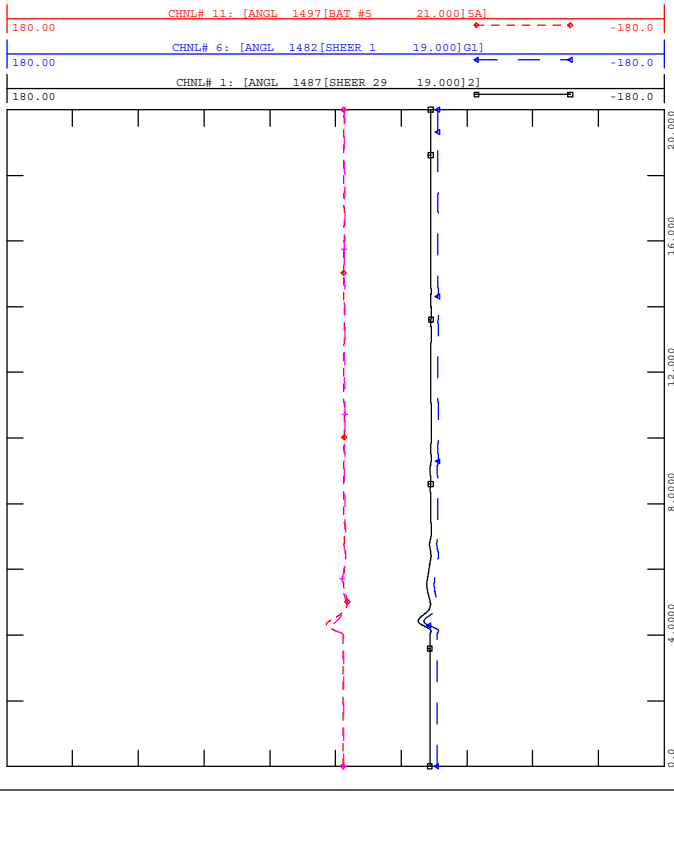
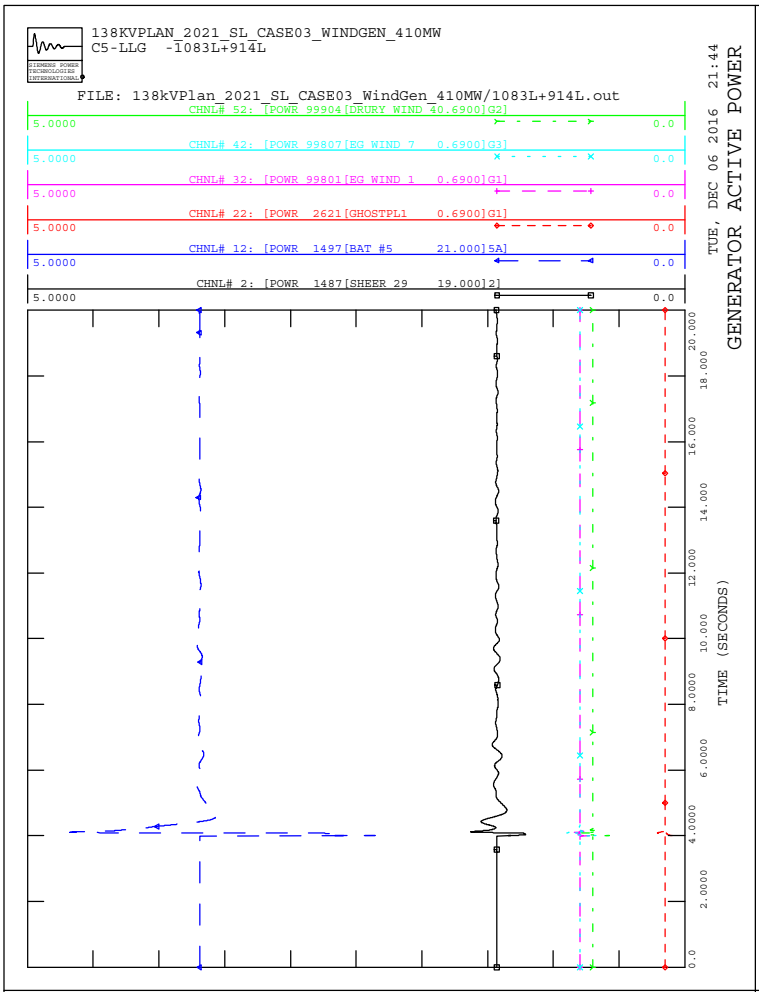
TUE, DEC 06 2016 21:44

MACHINE ANGLE

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C5-LLG -1083L+914L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1083L+914L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
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8.0000
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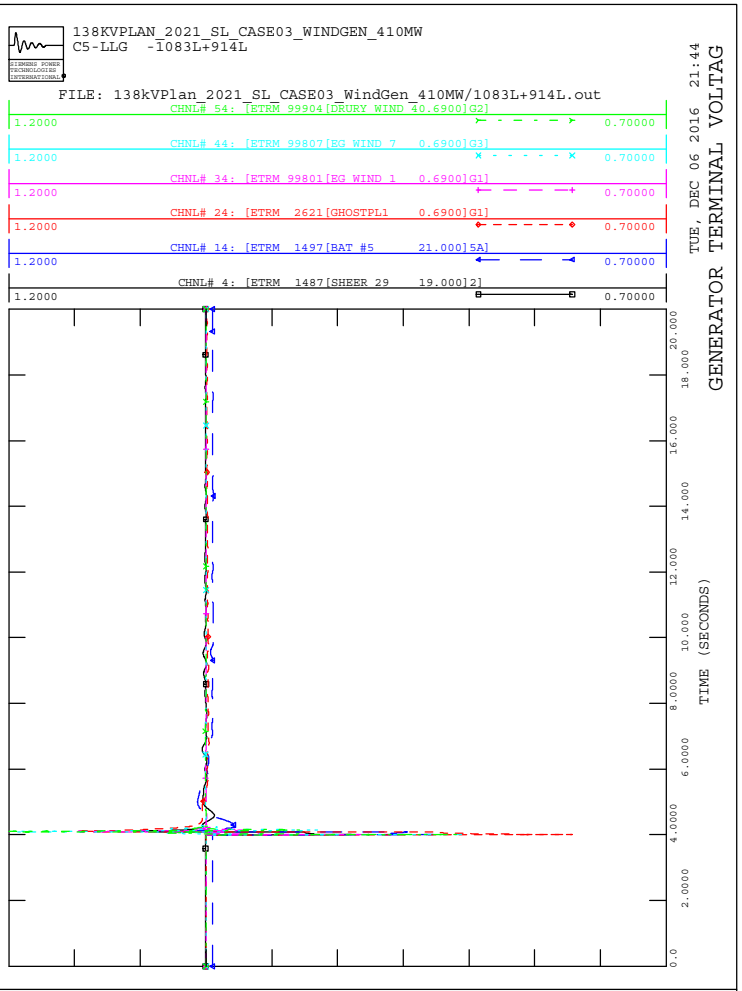
16.000
18.000
20.000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C5-LLG -1083L+914L
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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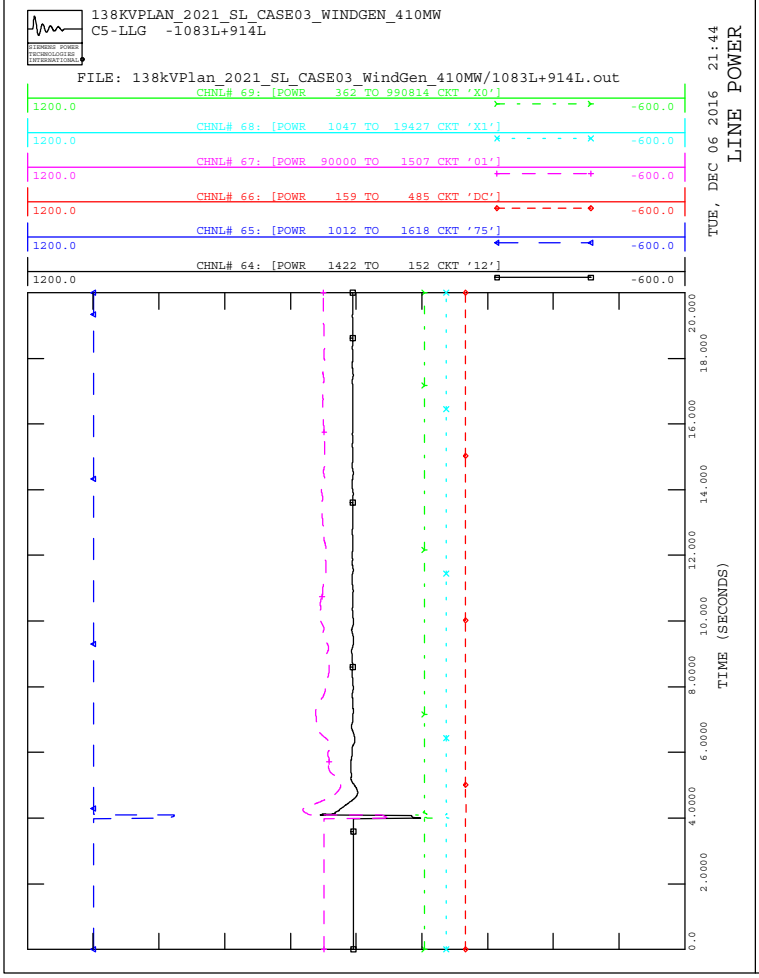
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1083L+914L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1083L+914L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:44
LINE POWER
TIME (SECONDS)
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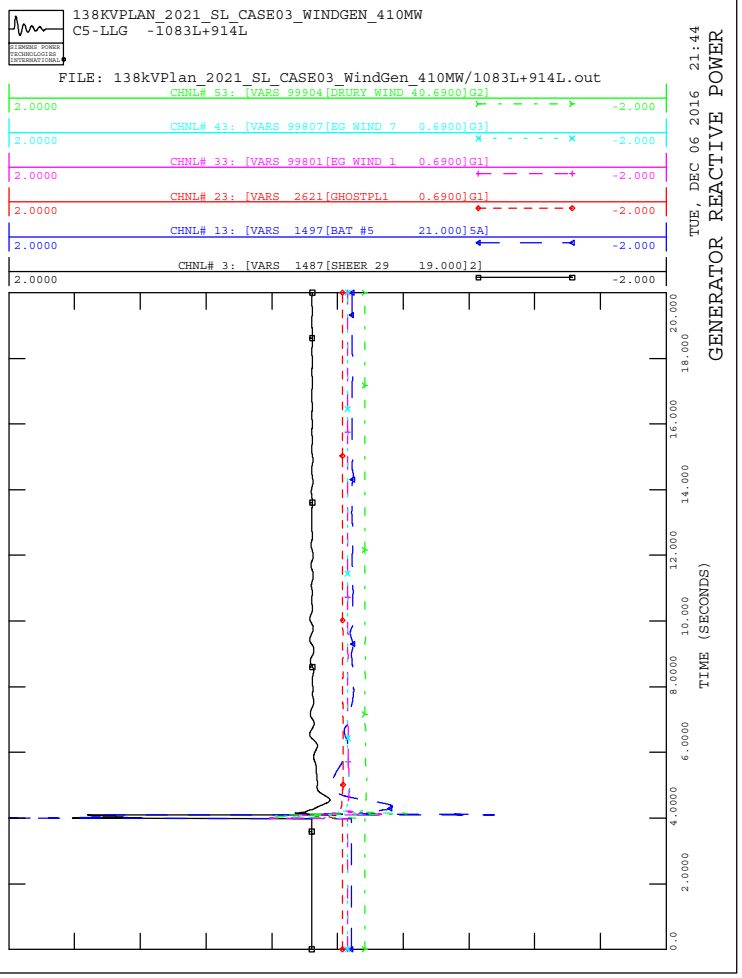
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -1083L+914L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1083L+914L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
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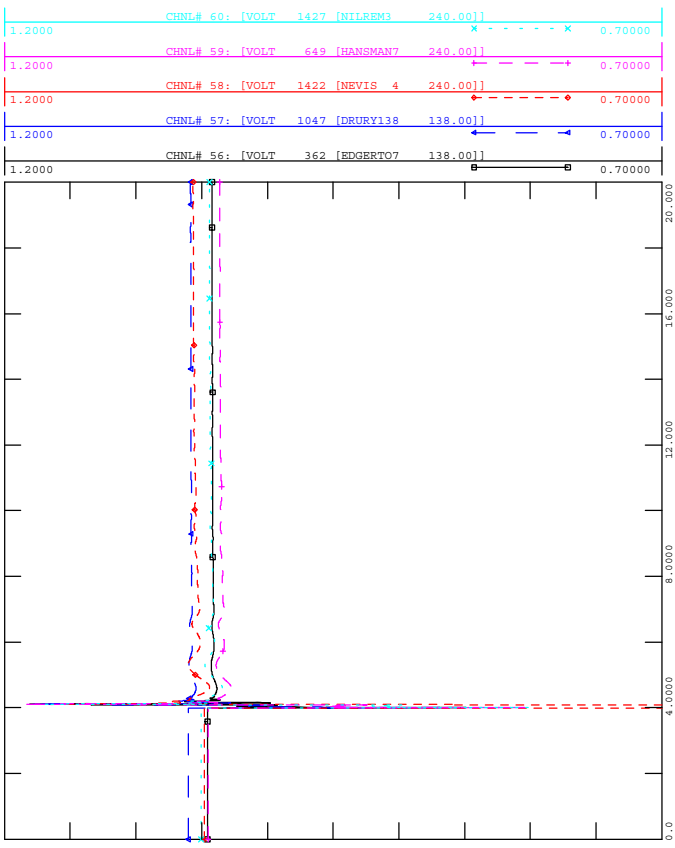
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -901L+912L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/901L+912L.out

TUE, DEC 06 2016 21:44

BUS VOLTAGE

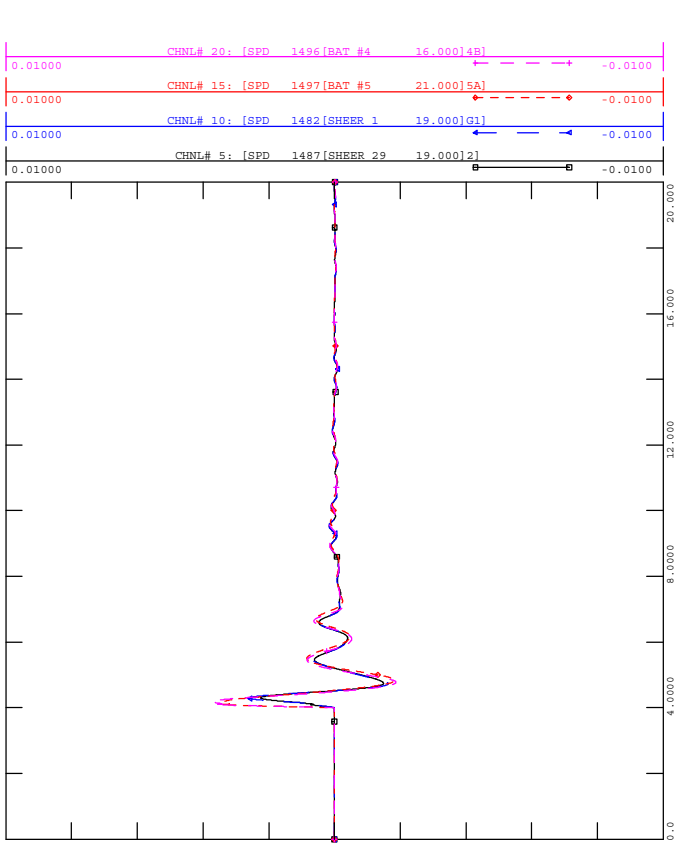


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -901L+912L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/901L+912L.out

TUE, DEC 06 2016 21:44

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -901L+912L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/901L+912L.out

TUE, DEC 06 2016 21:44

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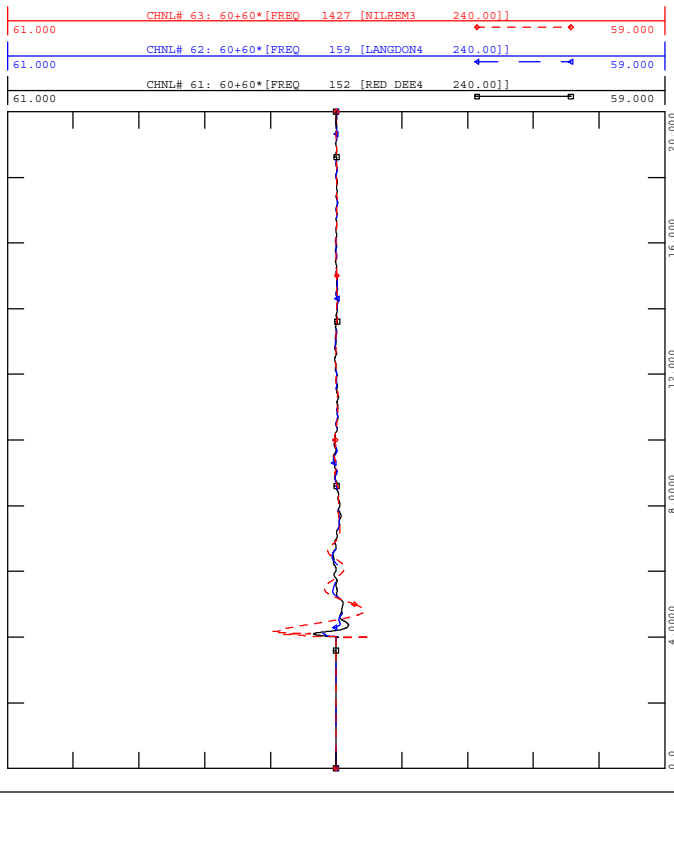

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -901L+912L

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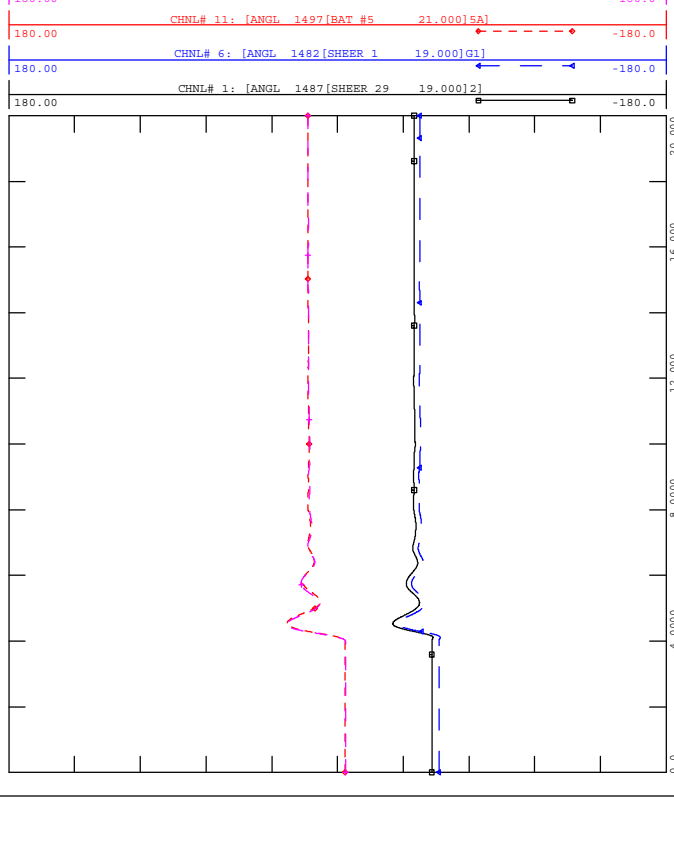
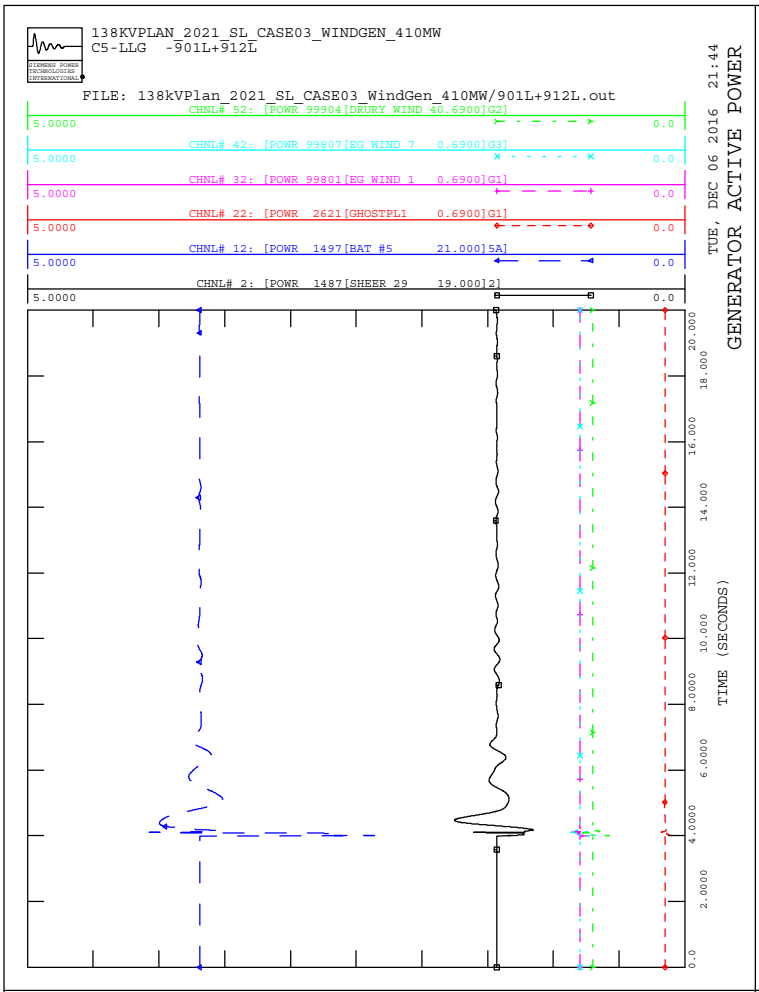
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -901L+912L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/901L+912L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
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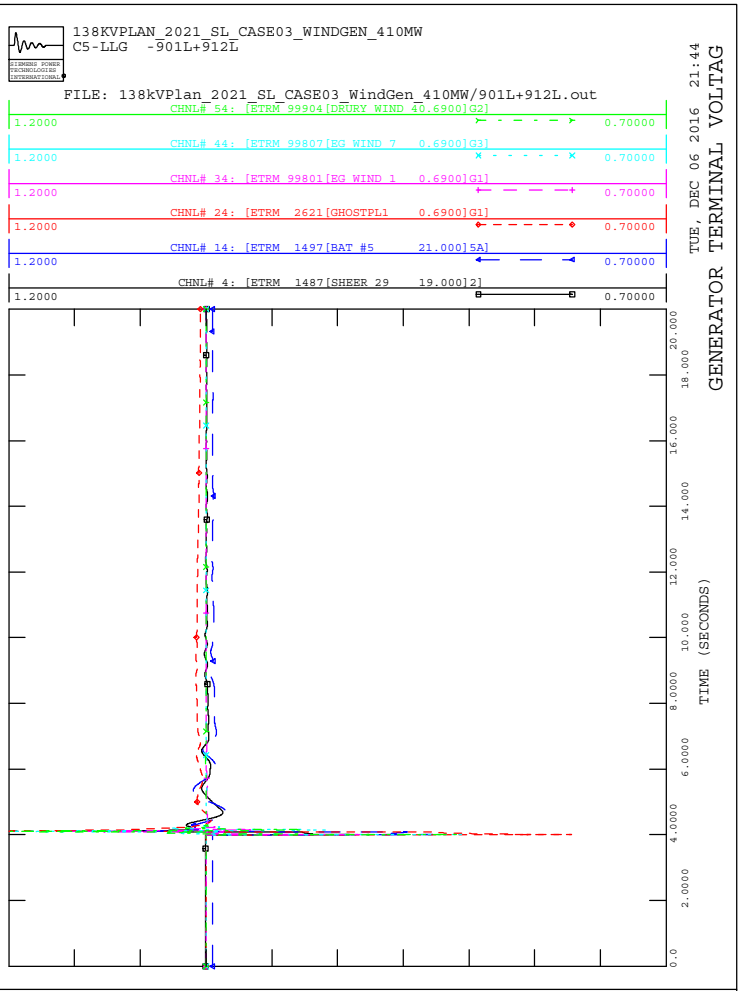
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -901L+912L
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
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CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
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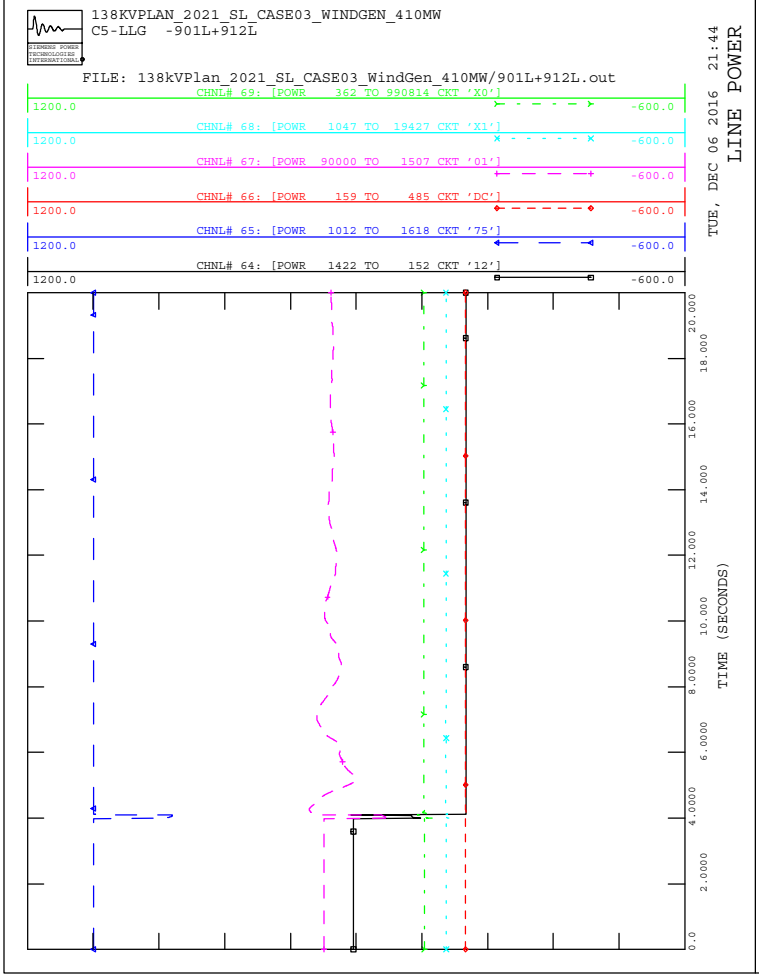
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C5-LLG -901L+912L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/901L+912L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:44
LINE POWER
TIME (SECONDS)
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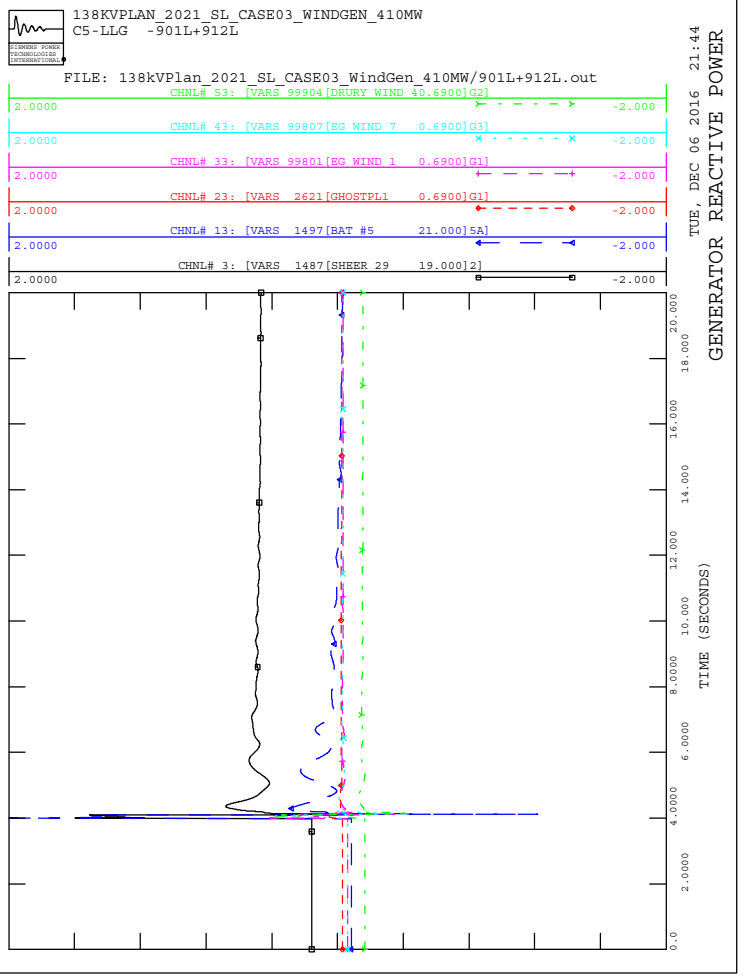
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C5-LLG -901L+912L
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
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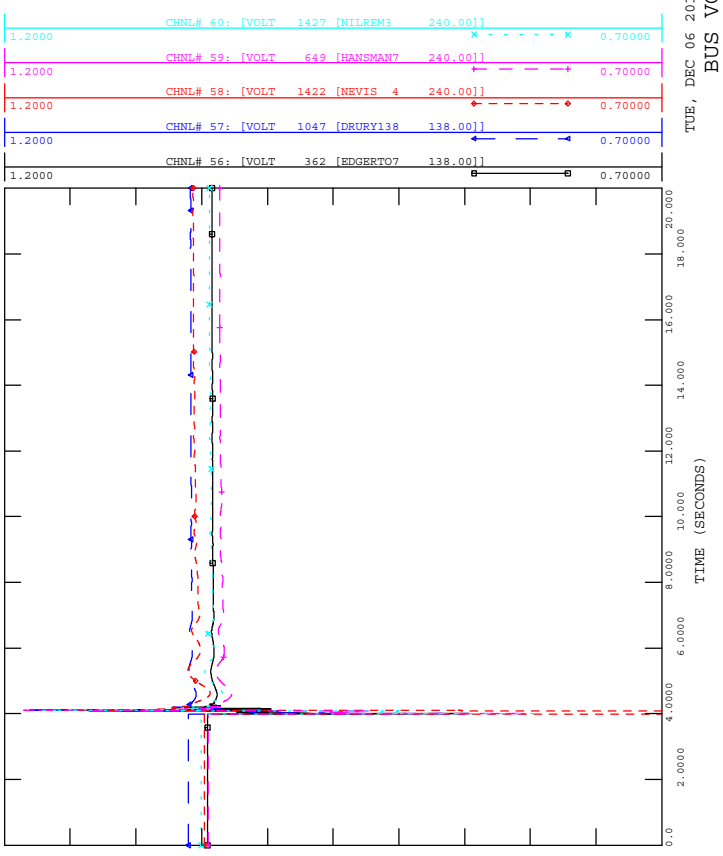
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -912L+914L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L+914L.out

TUE, DEC 06 2016 21:44

BUS VOLTAGE

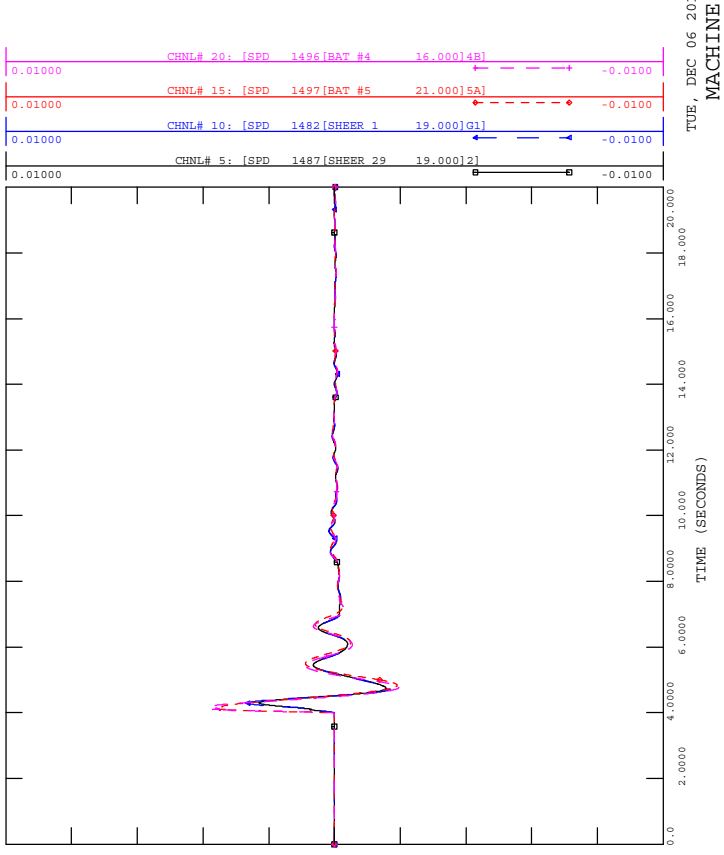


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -912L+914L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L+914L.out

TUE, DEC 06 2016 21:44

MACHINE SPEED



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C5-LLG -912L+914L

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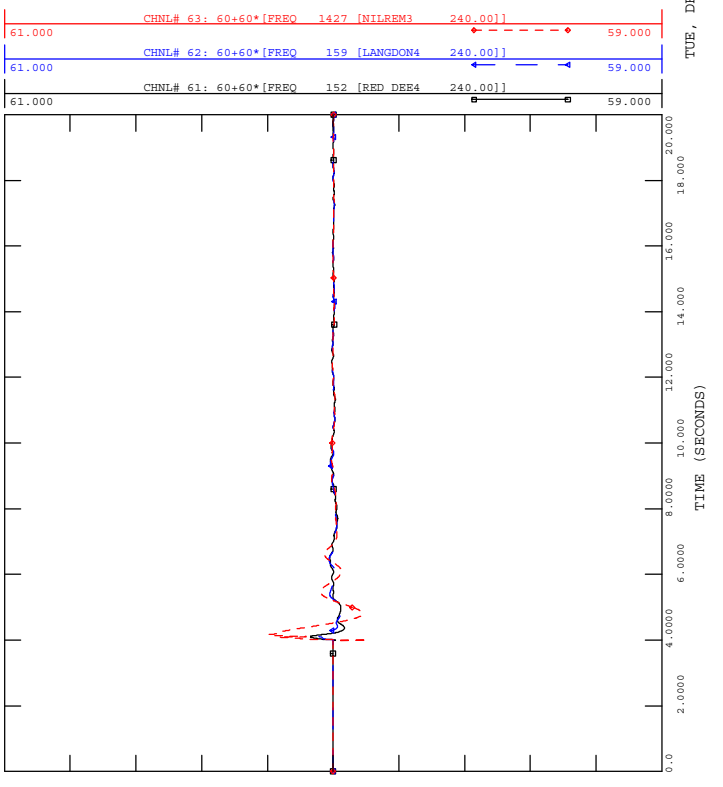

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -912L+914L

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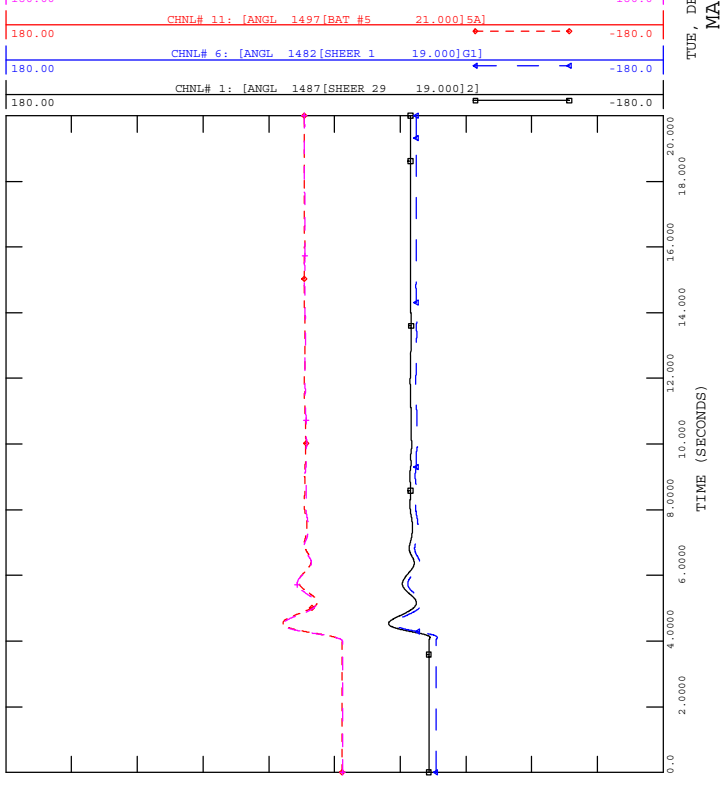
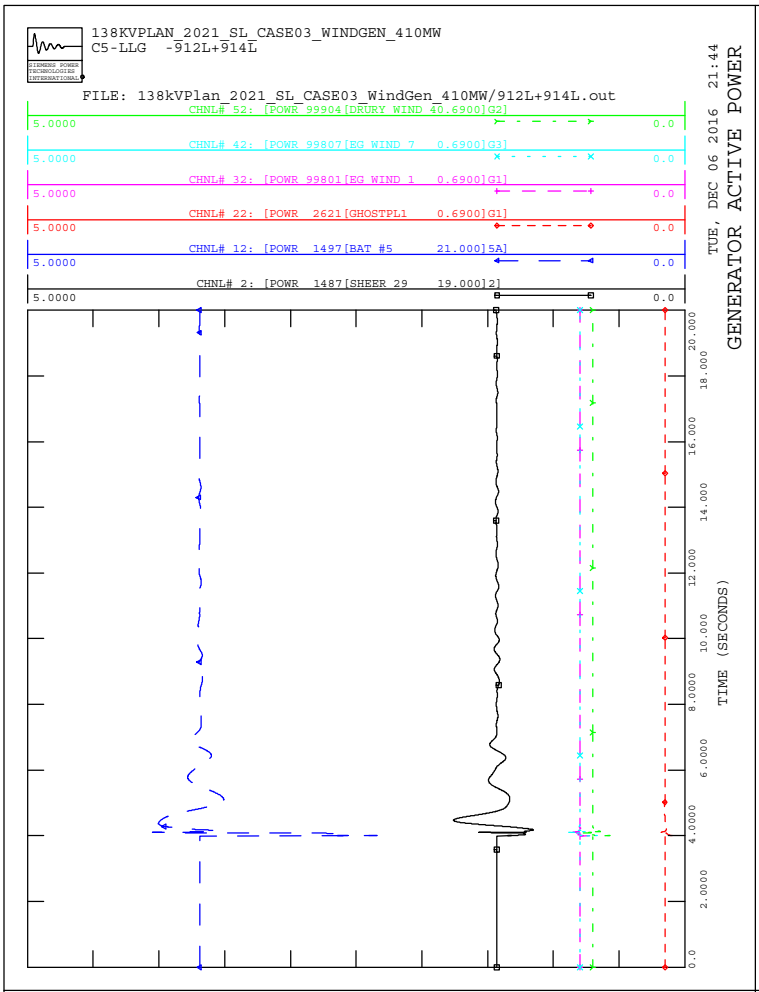
TUE, DEC 06 2016 21:44

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -912L+914L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L+914L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:44
GENERATOR ACTIVE POWER
TIME (SECONDS)
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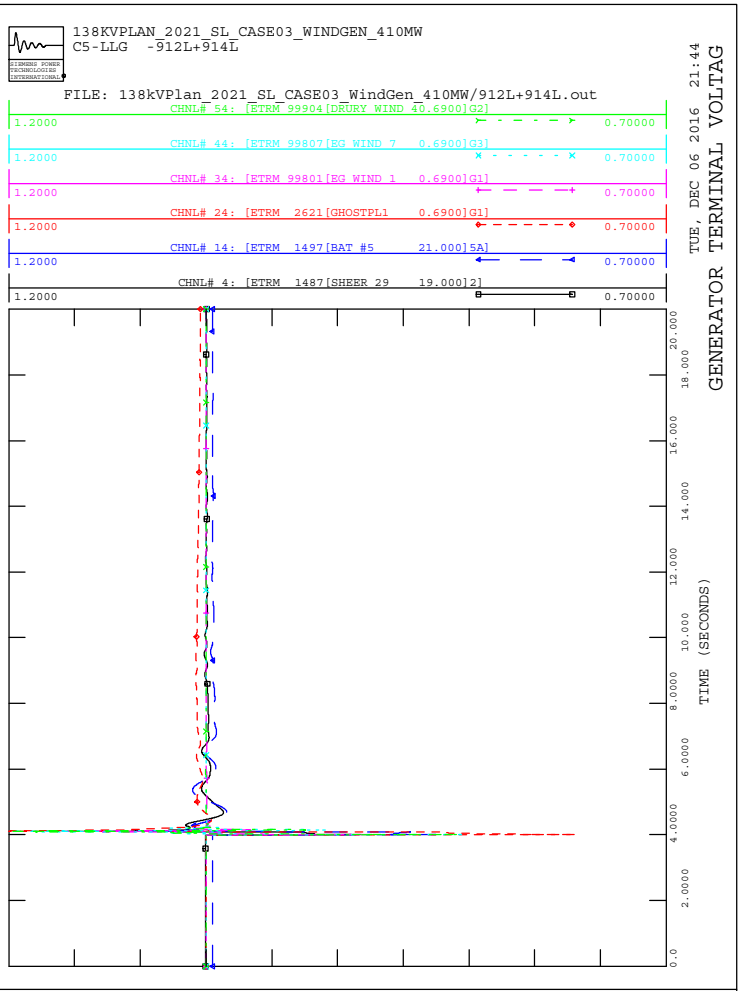
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C5-LLG -912L+914L
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:44
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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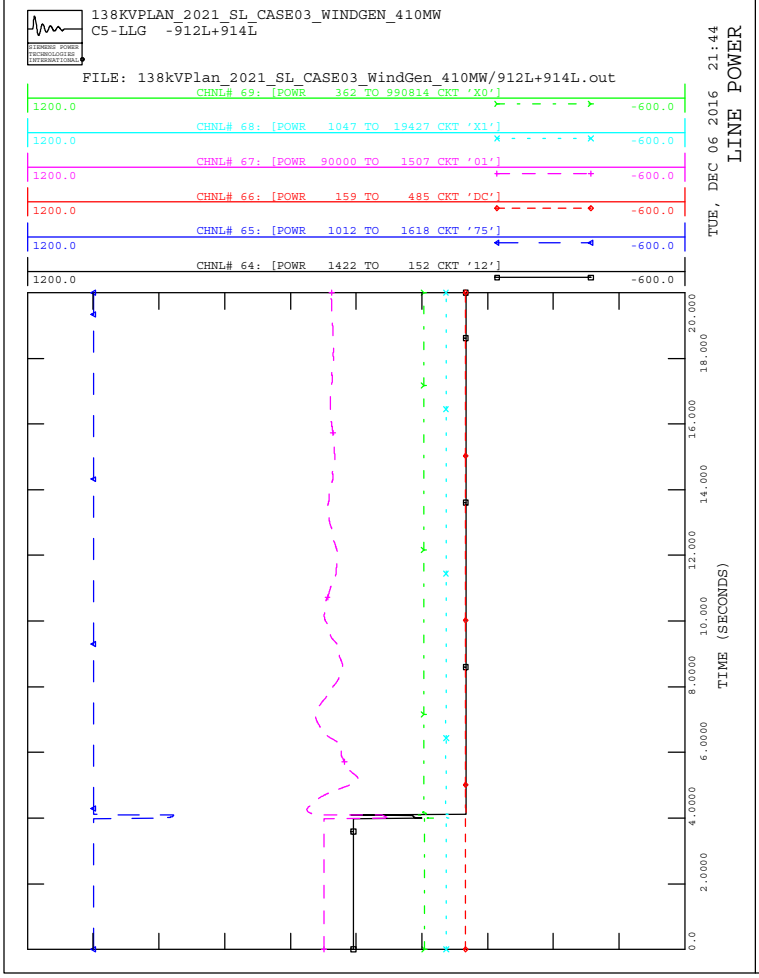
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C5-LLG -912L+914L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L+914L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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TUE, DEC 06 2016 21:44
LINE POWER
TIME (SECONDS)
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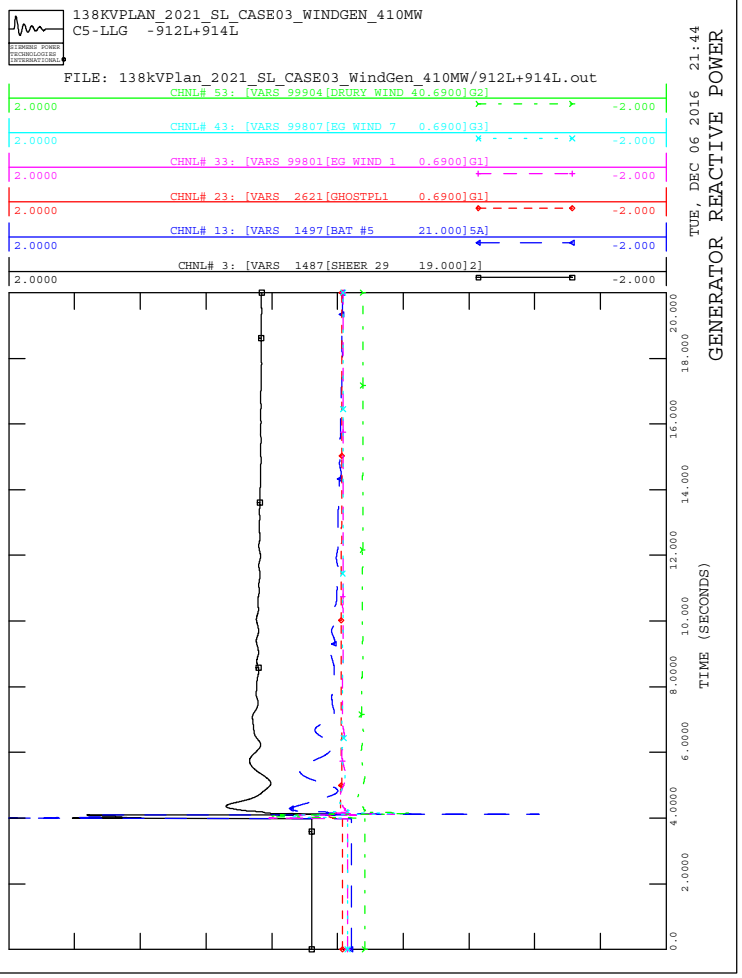
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C5-LLG -912L+914L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/912L+914L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:44
GENERATOR REACTIVE POWER
TIME (SECONDS)
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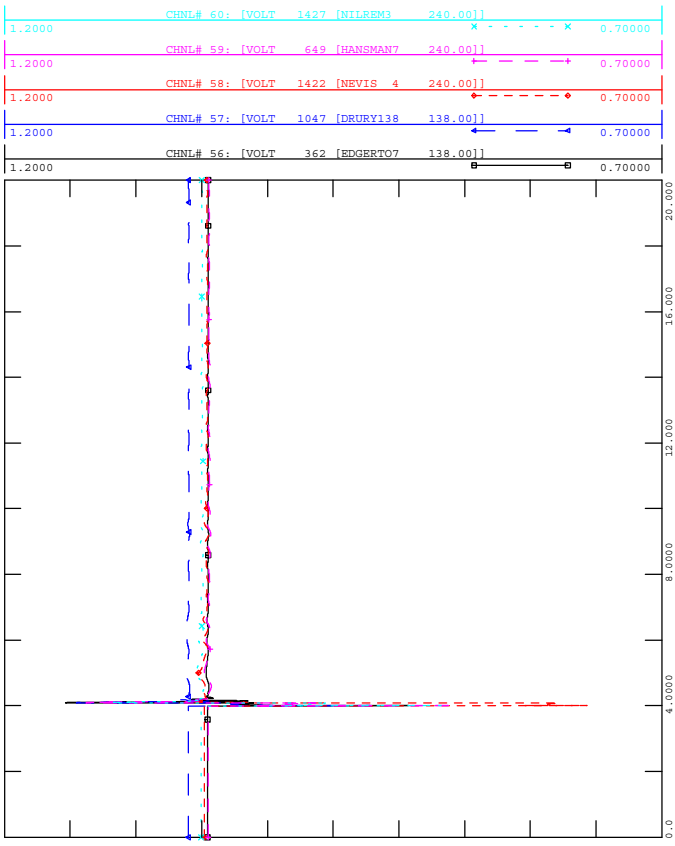
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -929L+925L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/929L+925L.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

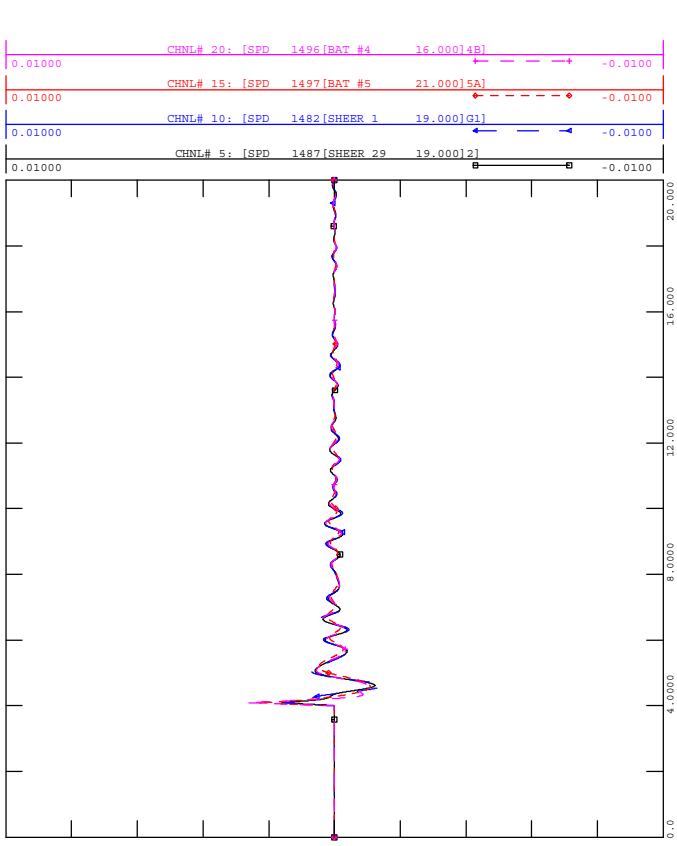


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -929L+925L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/929L+925L.out

TUE, DEC 06 2016 21:45

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -929L+925L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/929L+925L.out

TUE, DEC 06 2016 21:45

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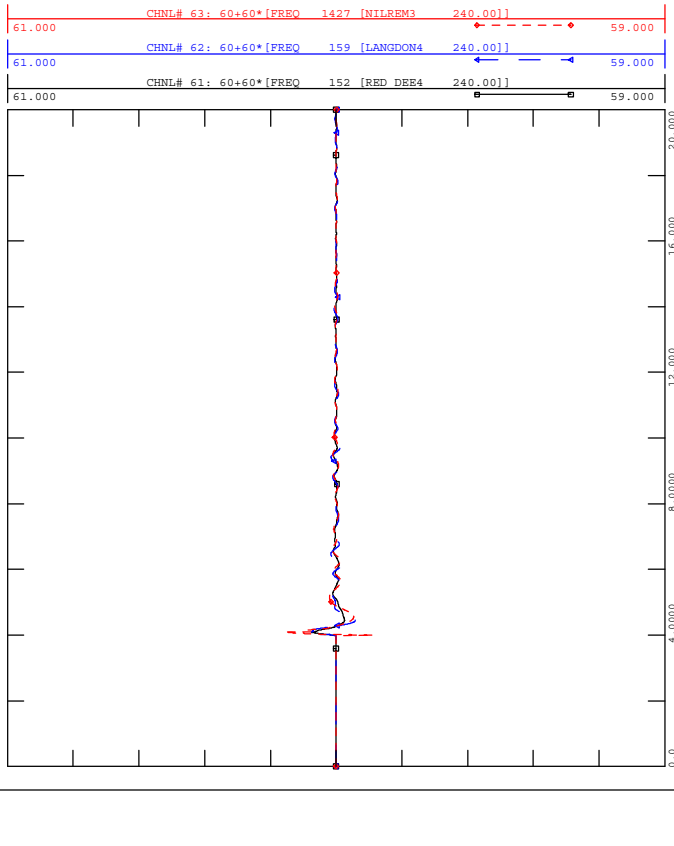
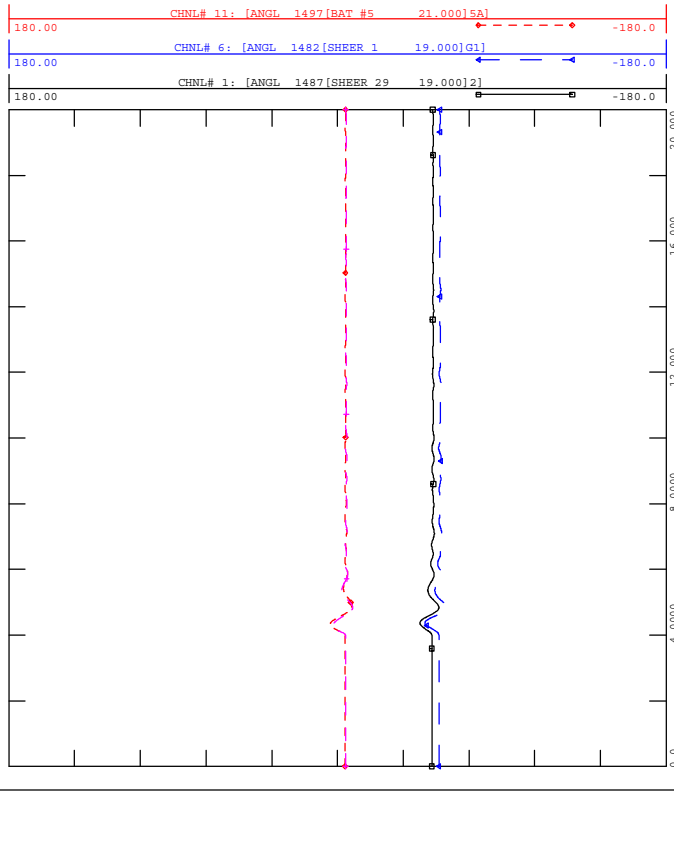


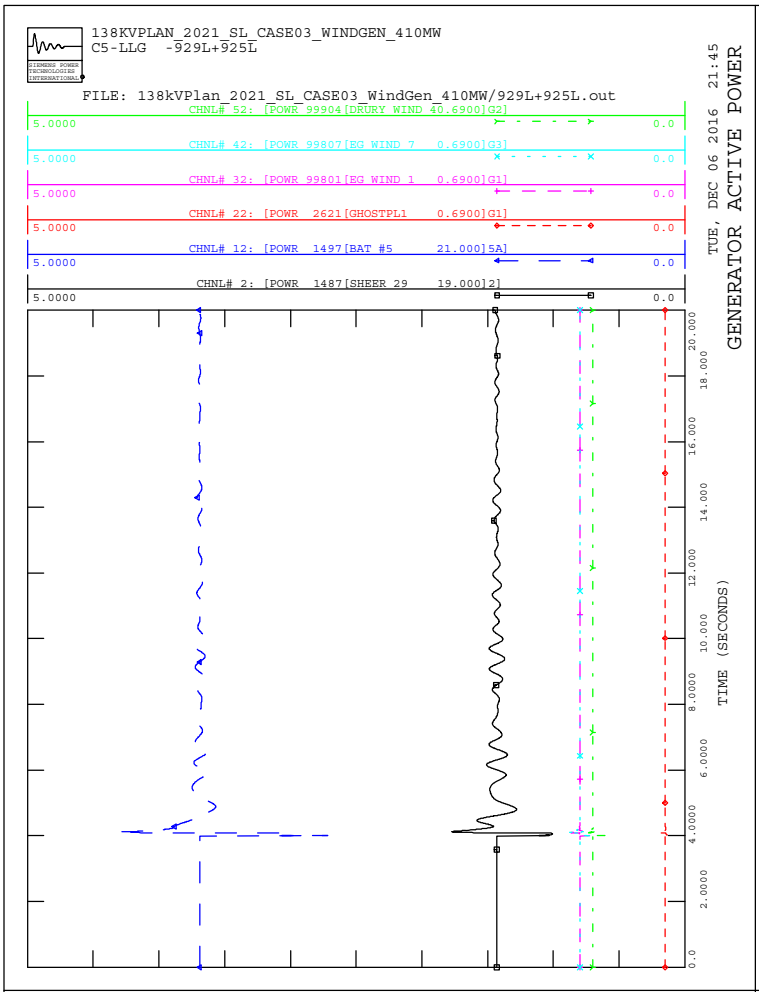
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -929L+925L

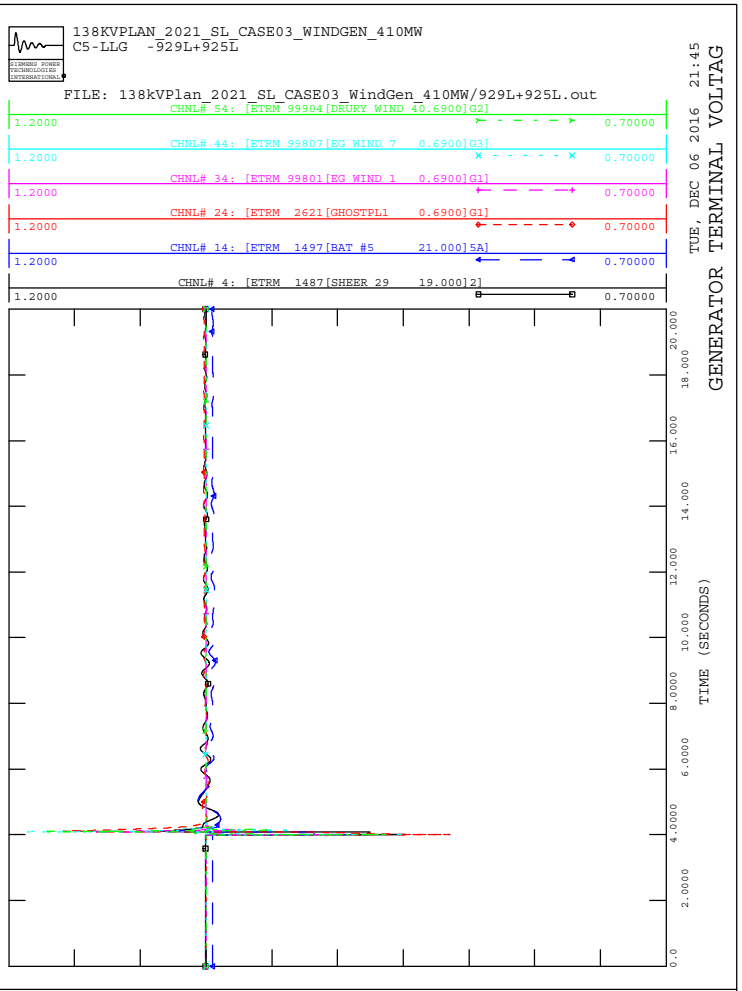
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/929L+925L.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -929L+925L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/929L+925L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -929L+925L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/929L+925L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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10.000
12.000
14.000
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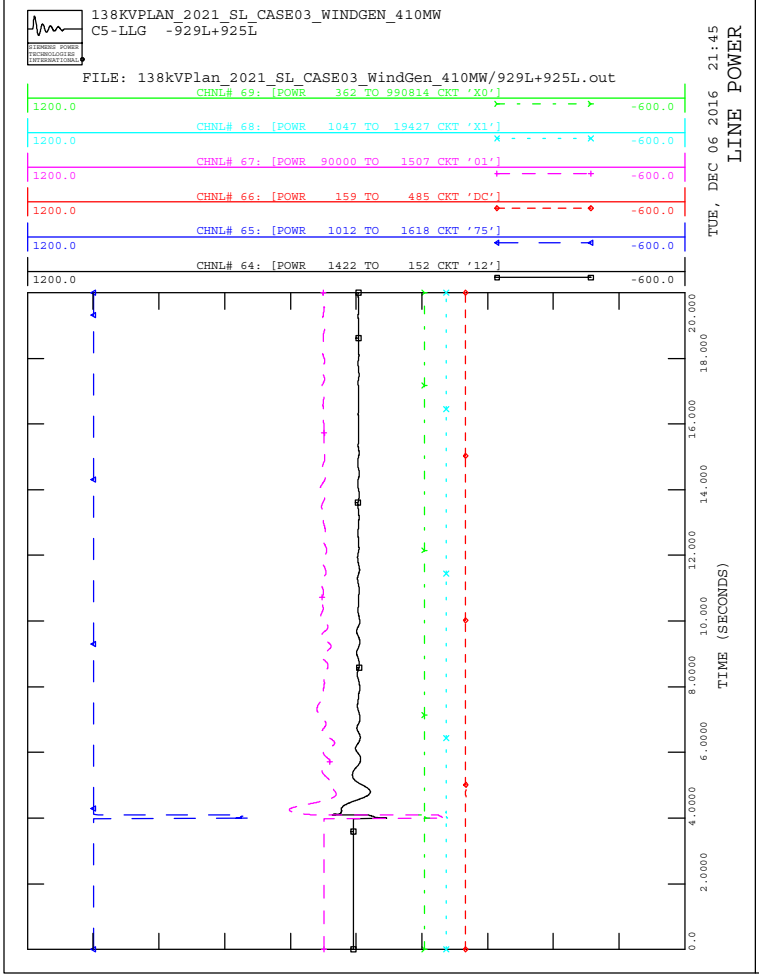
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -929L+925L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/929L+925L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
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10.000
12.000
14.000
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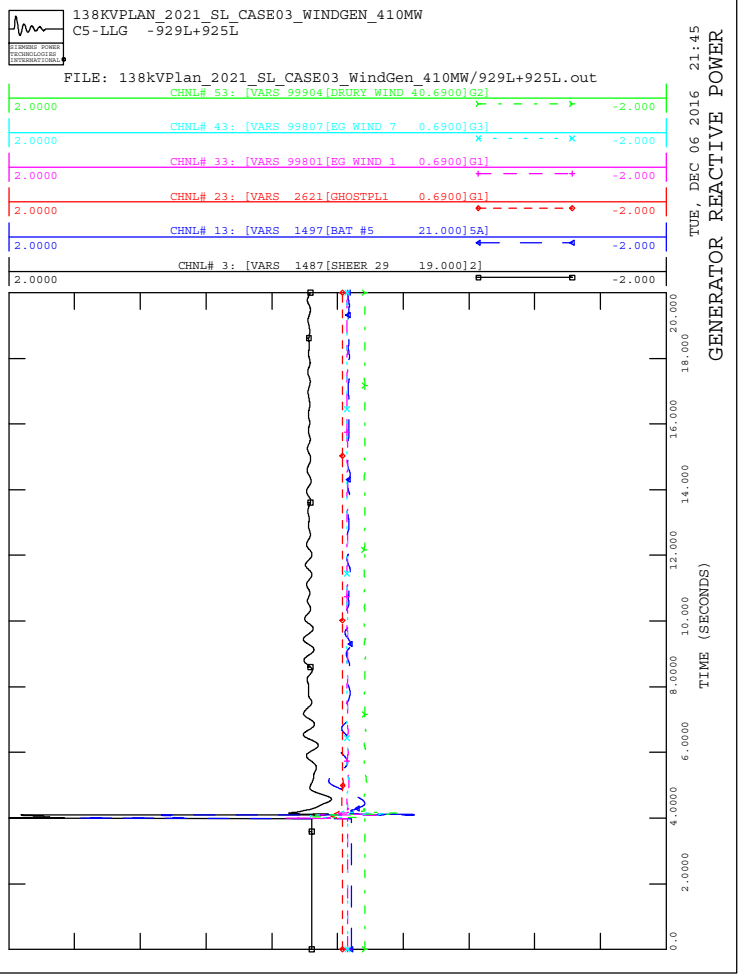
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -929L+925L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/929L+925L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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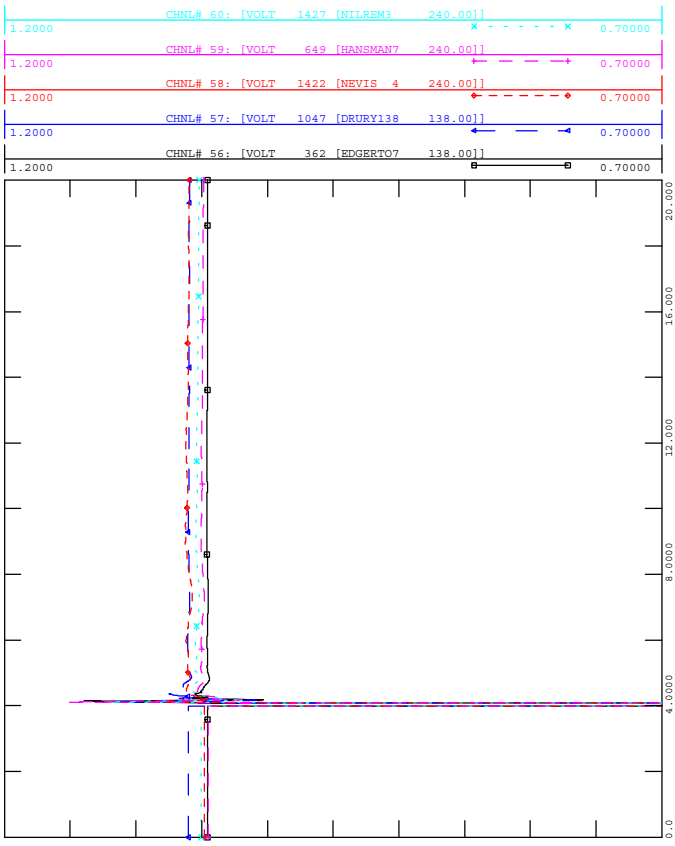
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L80+9L79

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80+9L79.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

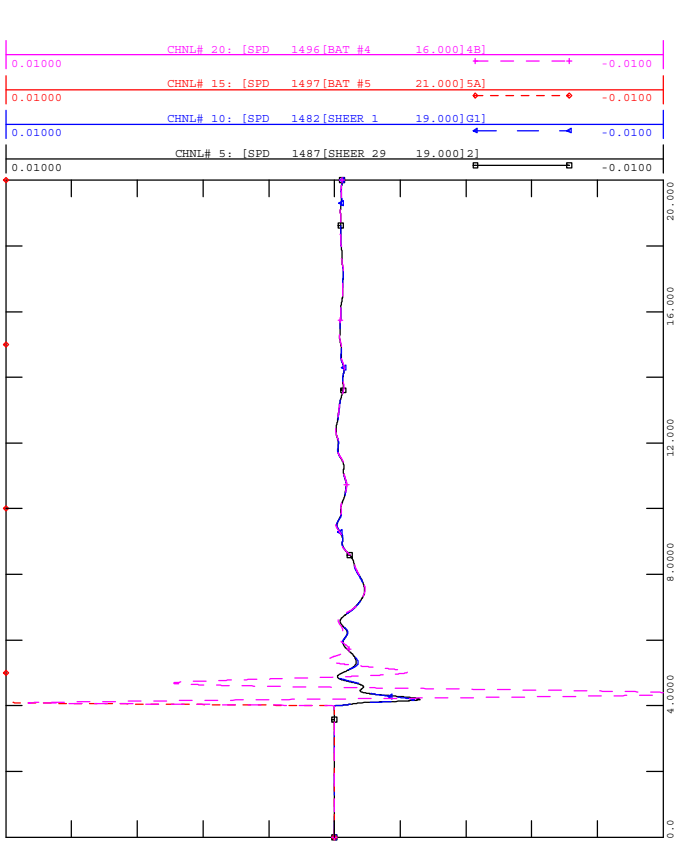


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L80+9L79

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80+9L79.out

TUE, DEC 06 2016 21:45

MACHINE SPEED

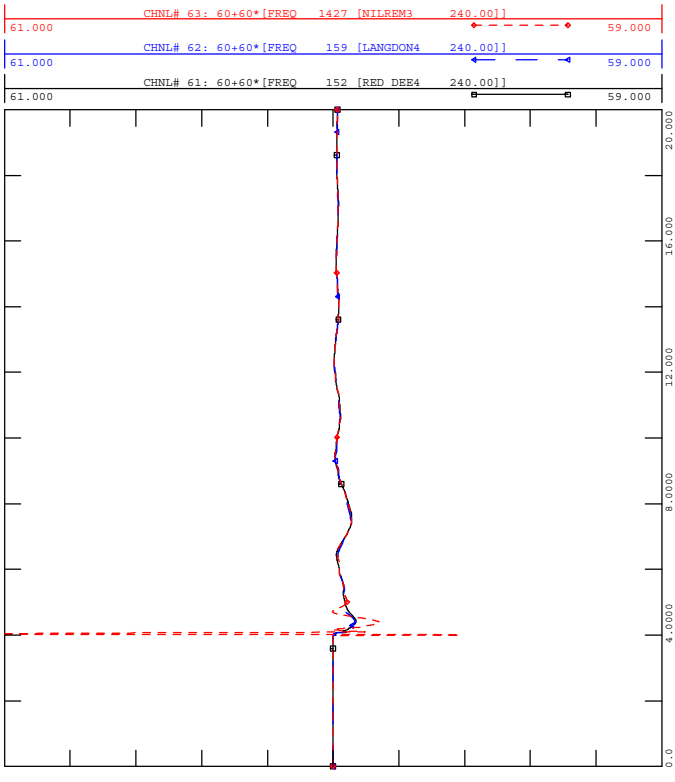


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L80+9L79

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80+9L79.out

TUE, DEC 06 2016 21:45

FREQUENCY

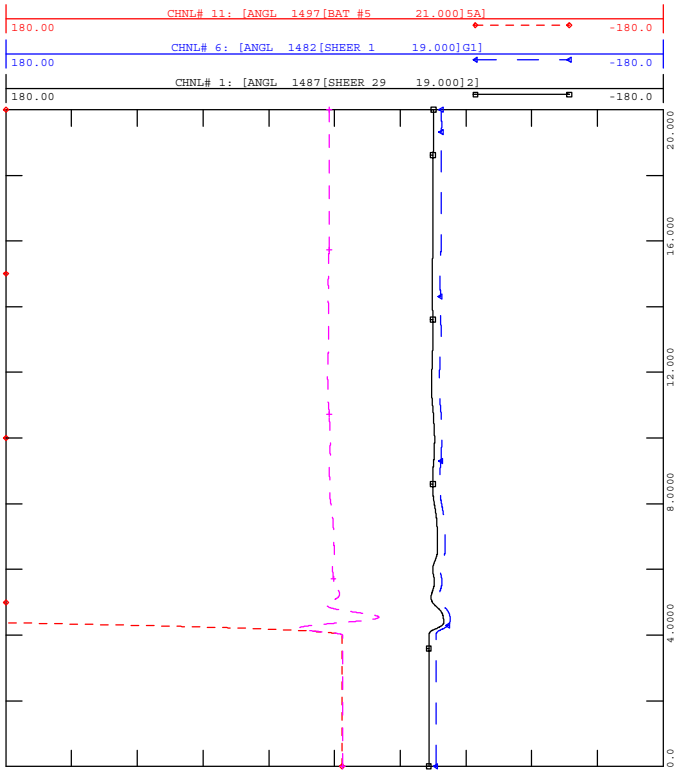


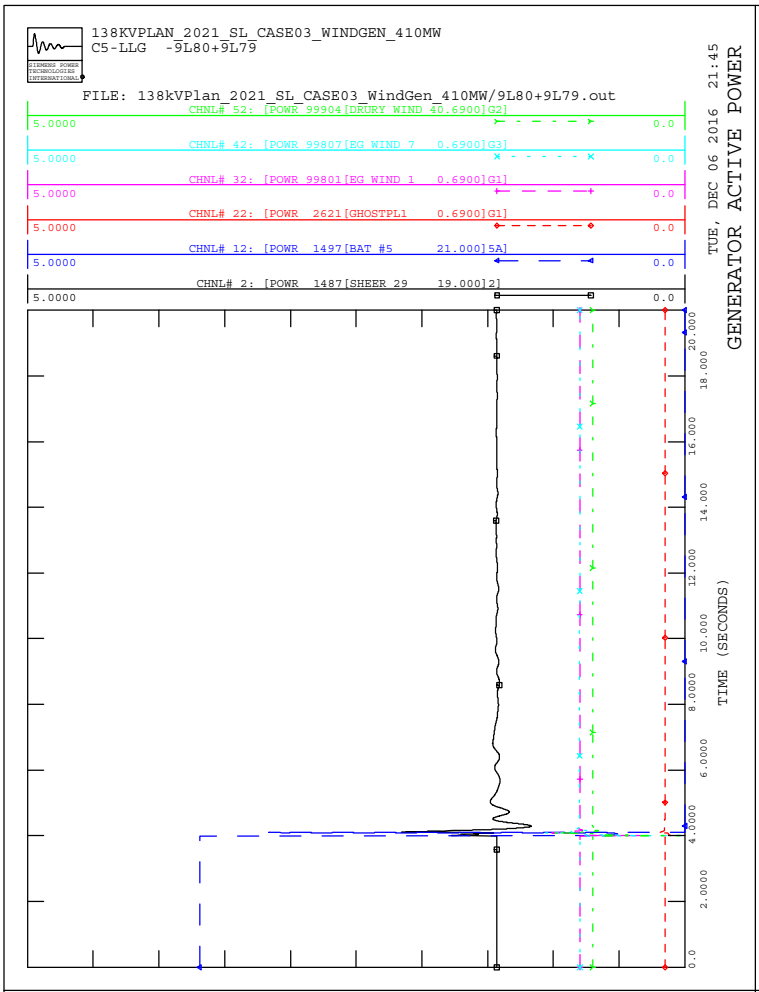
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L80+9L79

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80+9L79.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L80+9L79
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80+9L79.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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16.000
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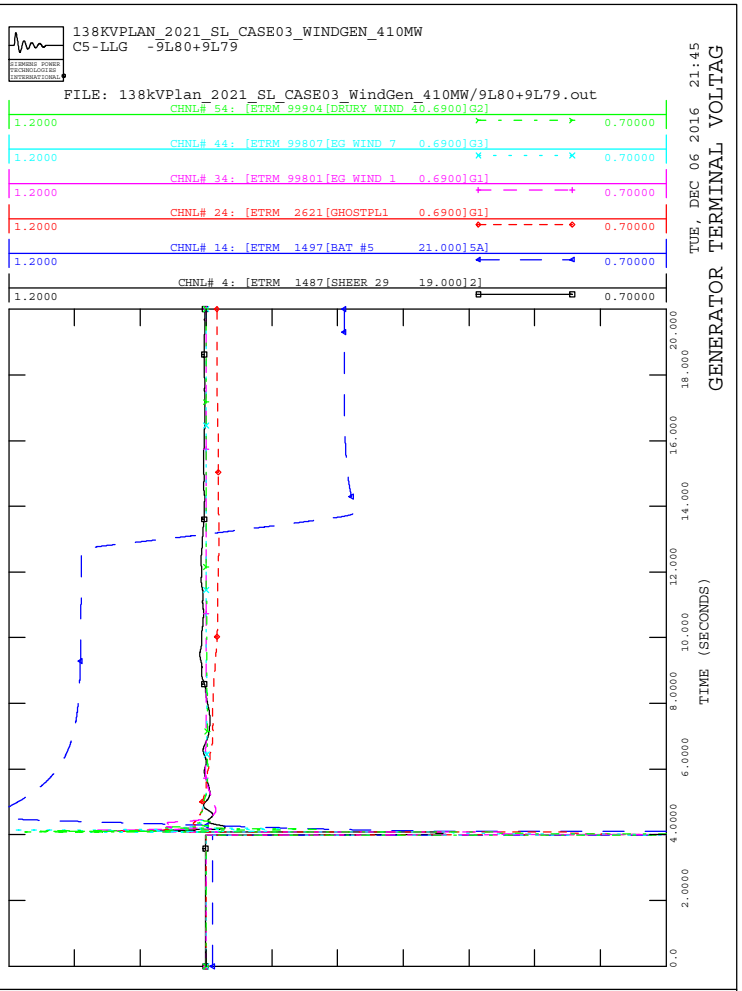
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L80+9L79
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80+9L79.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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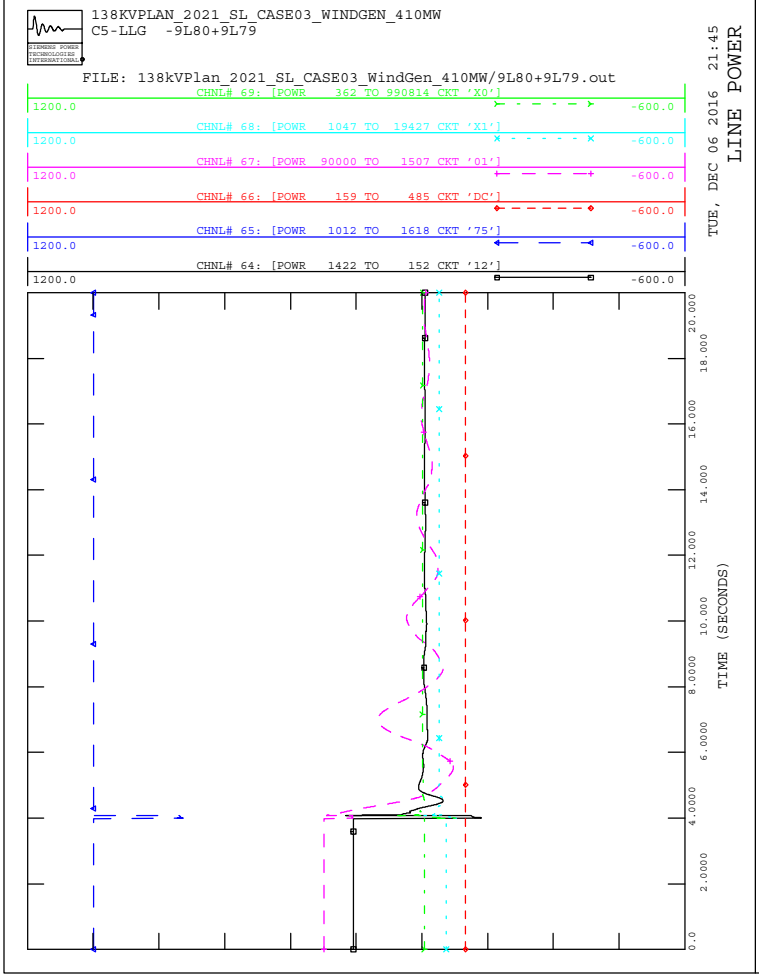
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L80+9L79
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80+9L79.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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2.0000
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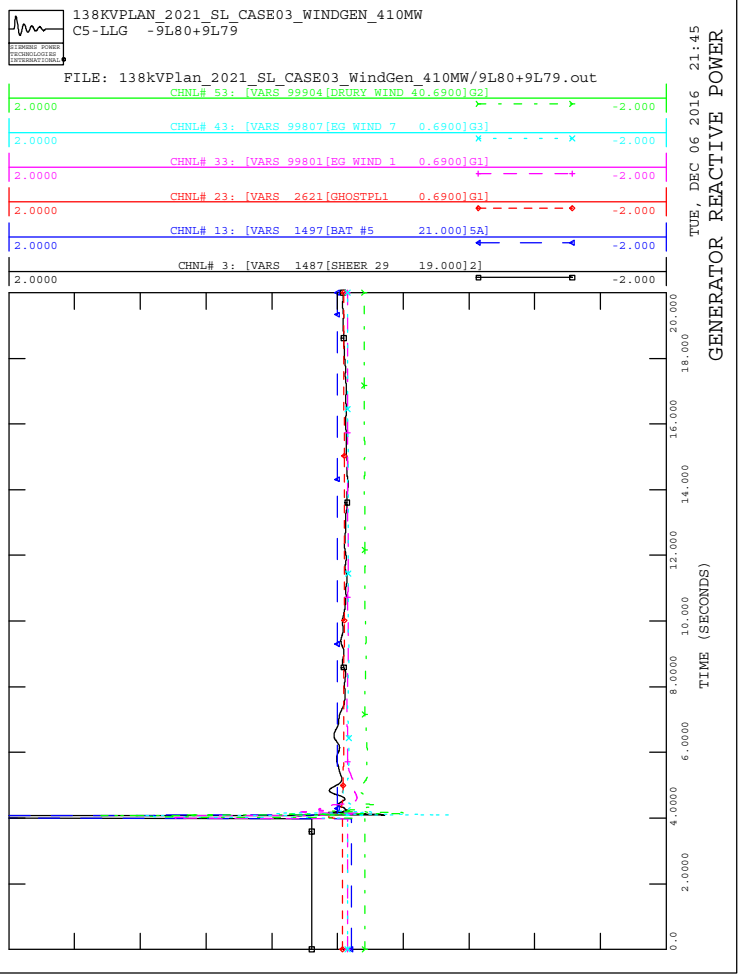
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L80+9L79
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80+9L79.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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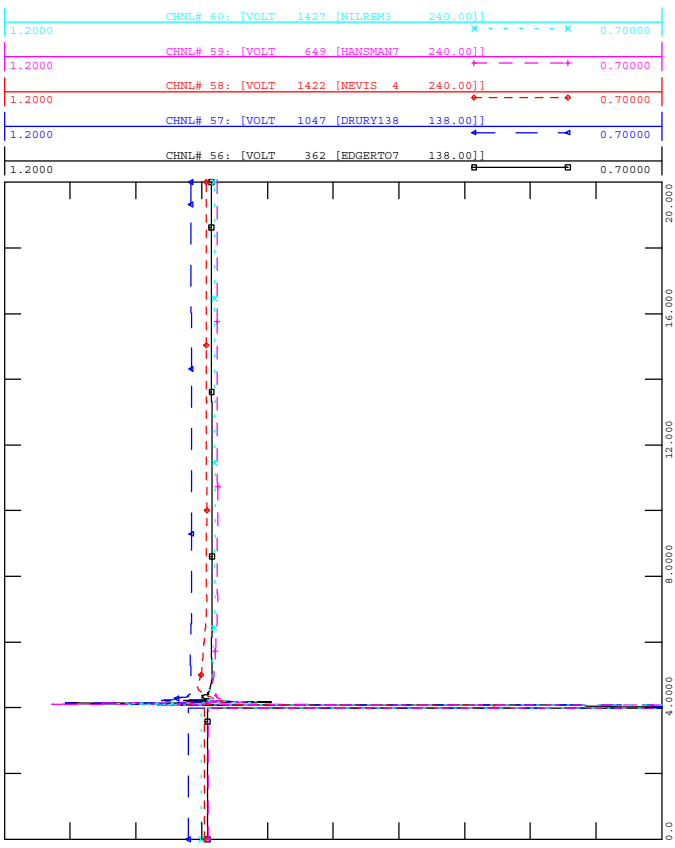
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -953L+1047L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/953L+1047L.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -953L+1047L

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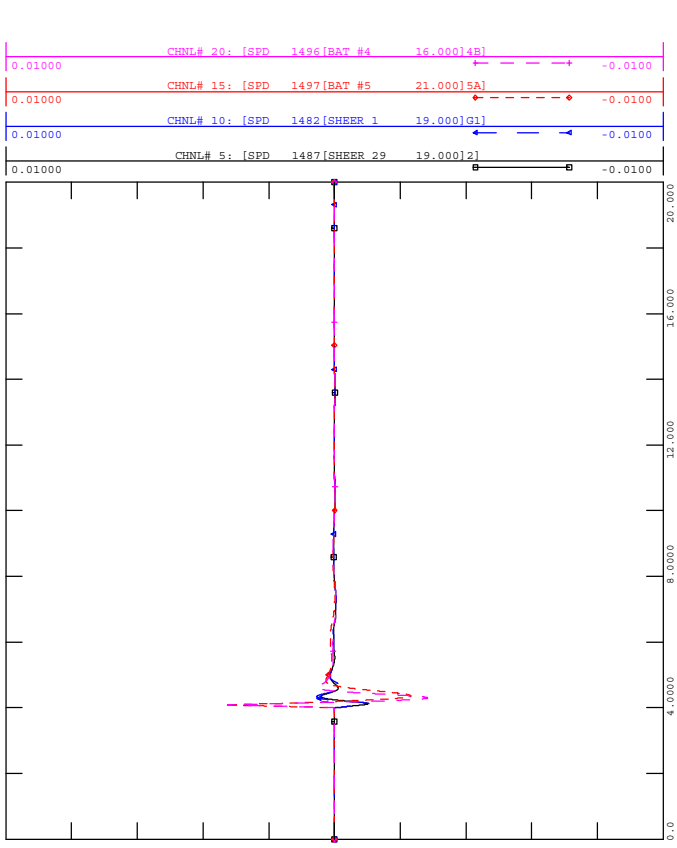
TUE, DEC 06 2016 21:45

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -953L+1047L

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TUE, DEC 06 2016 21:45

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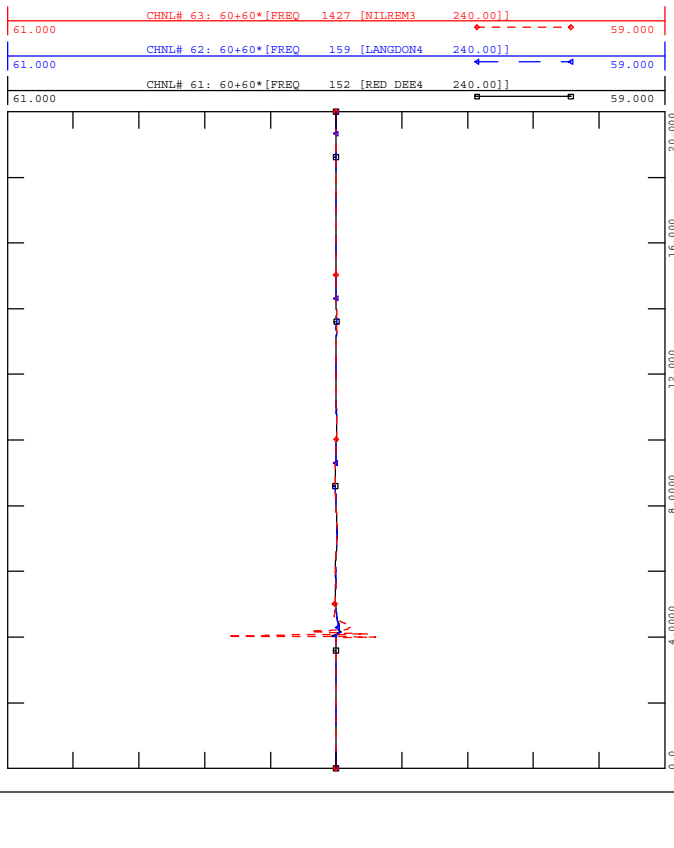

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -953L+1047L

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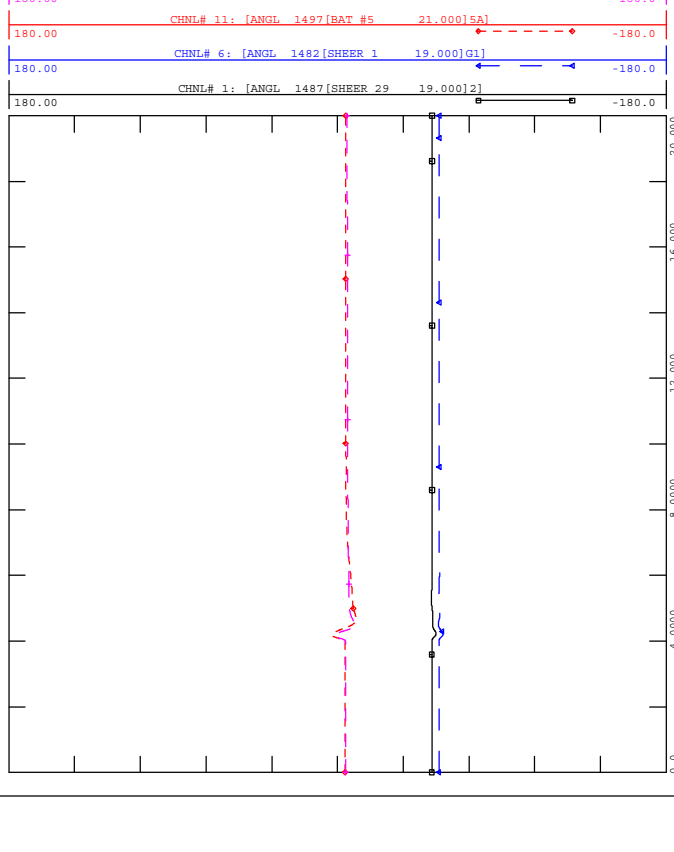
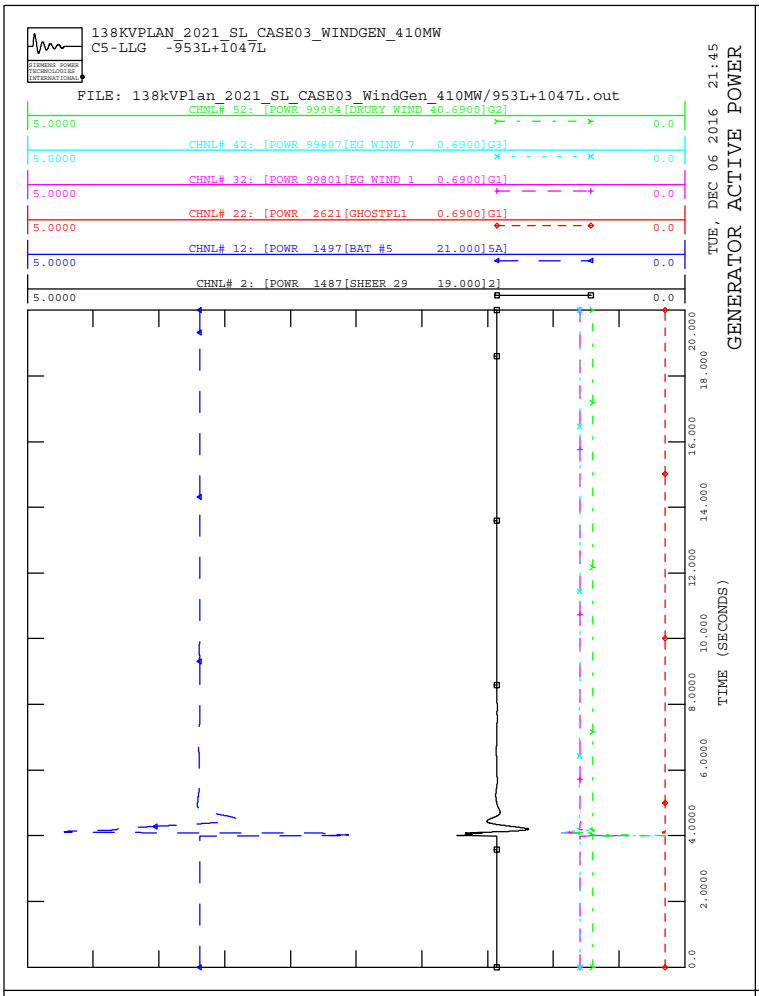
TUE, DEC 06 2016 21:45

MACHINE ANGLE

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C5-LLG -953L+1047L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/953L+1047L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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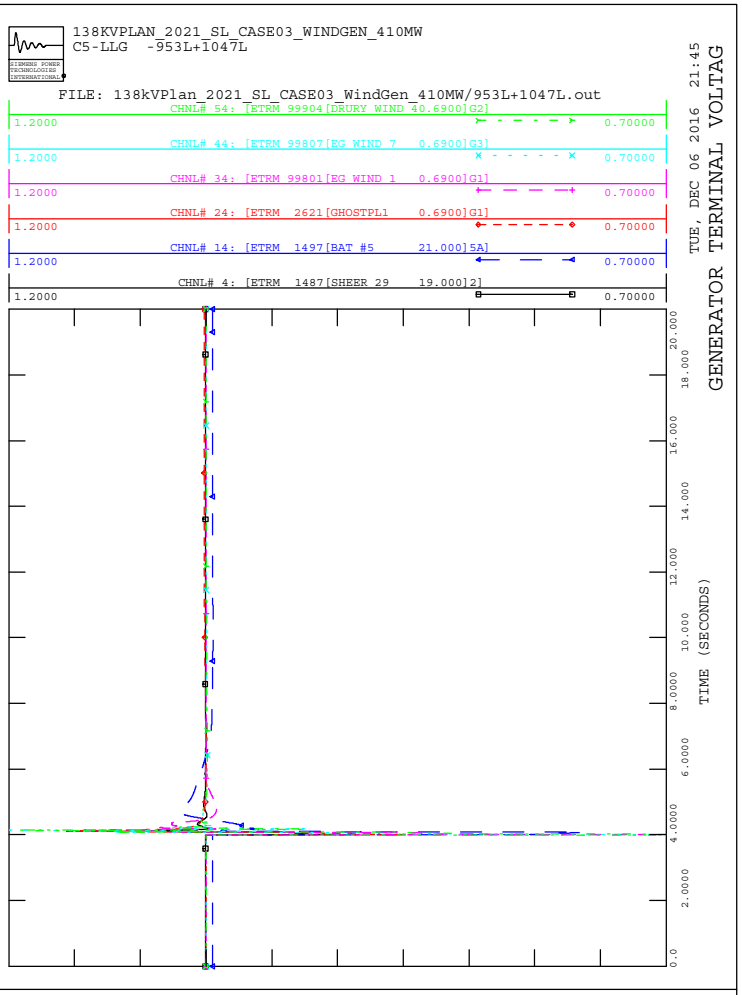
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -953L+1047L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/953L+1047L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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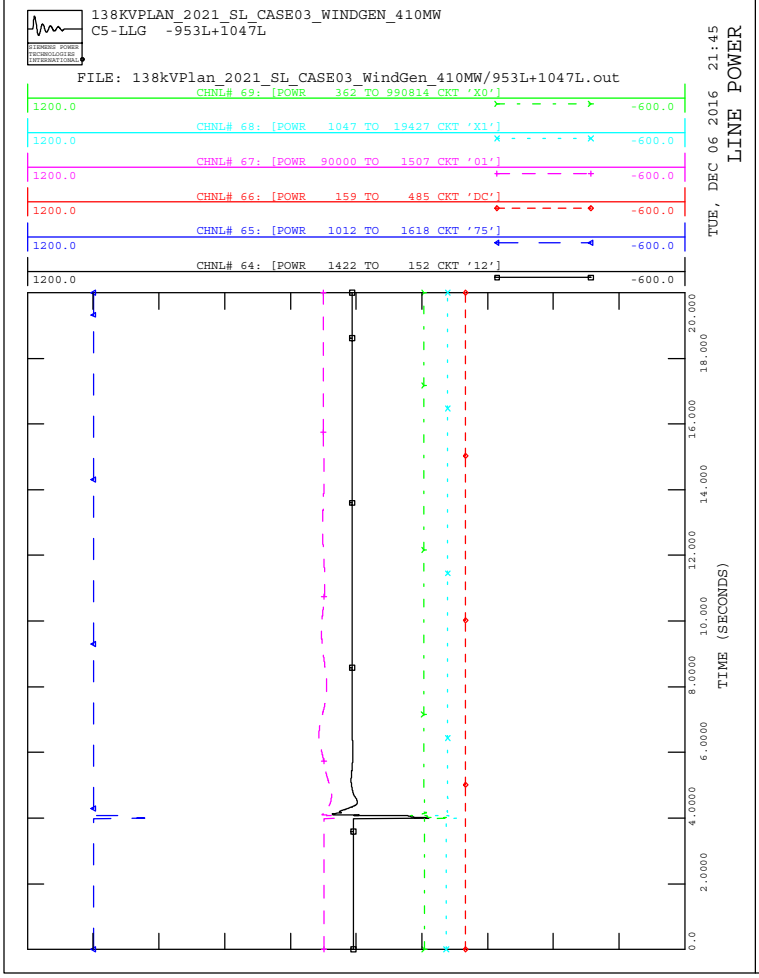
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -953L+1047L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/953L+1047L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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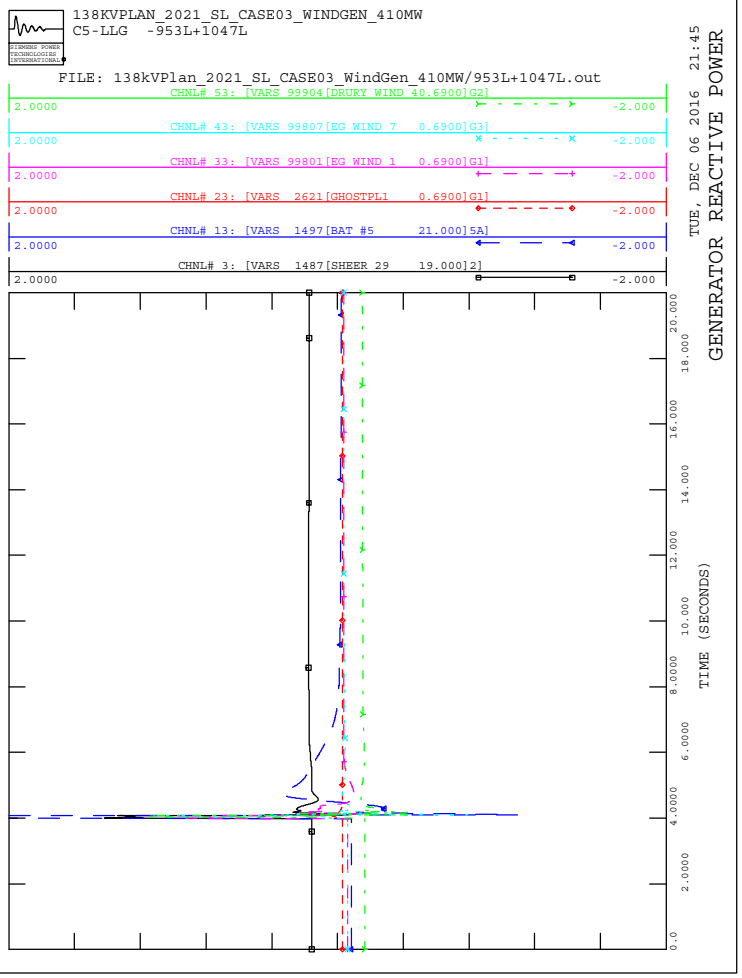
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -953L+1047L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/953L+1047L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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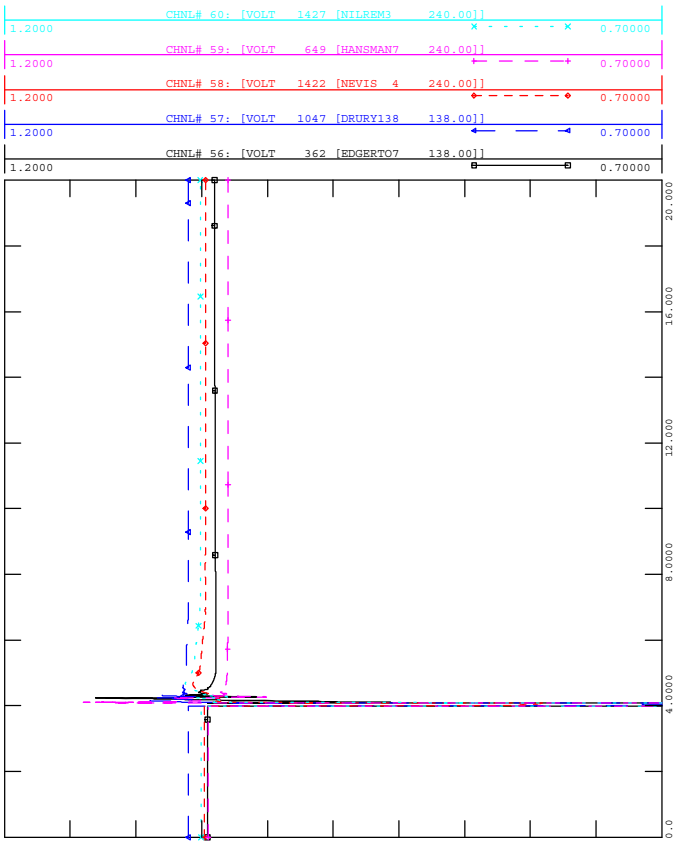
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -948L+1047L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L+1047L.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

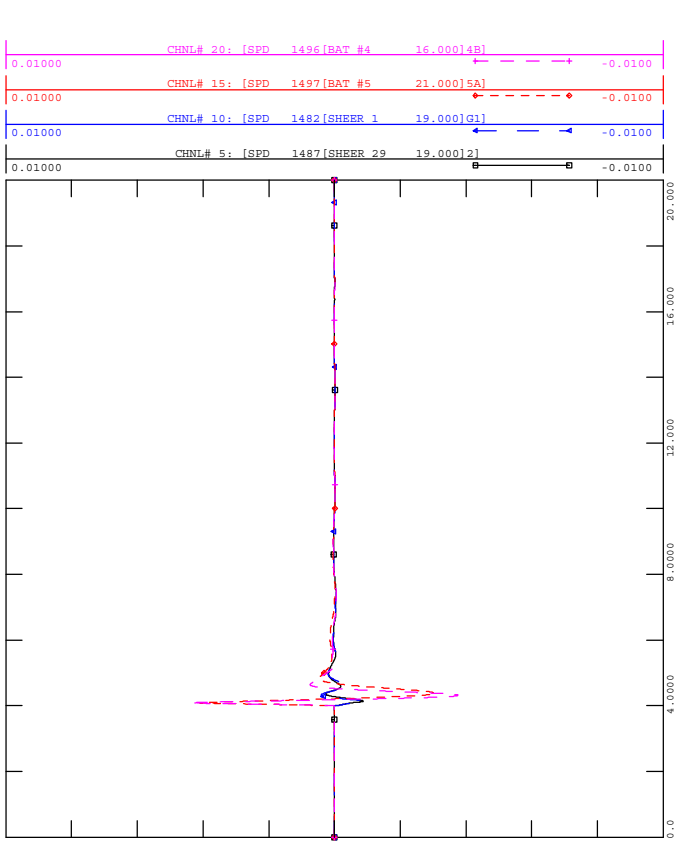


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -948L+1047L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L+1047L.out

TUE, DEC 06 2016 21:45

MACHINE SPEED

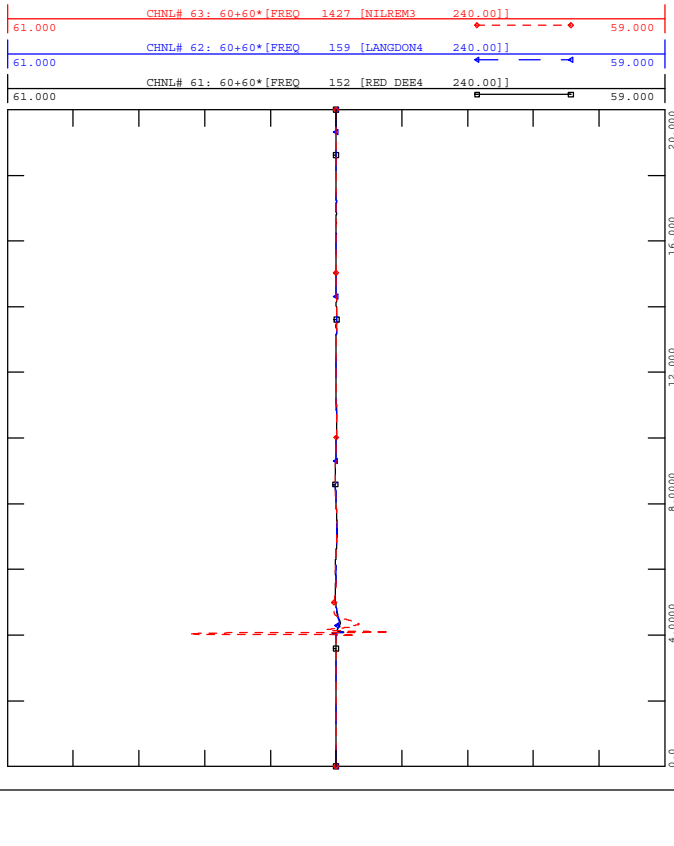


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -948L+1047L

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L+1047L.out

TUE, DEC 06 2016 21:45

FREQUENCY

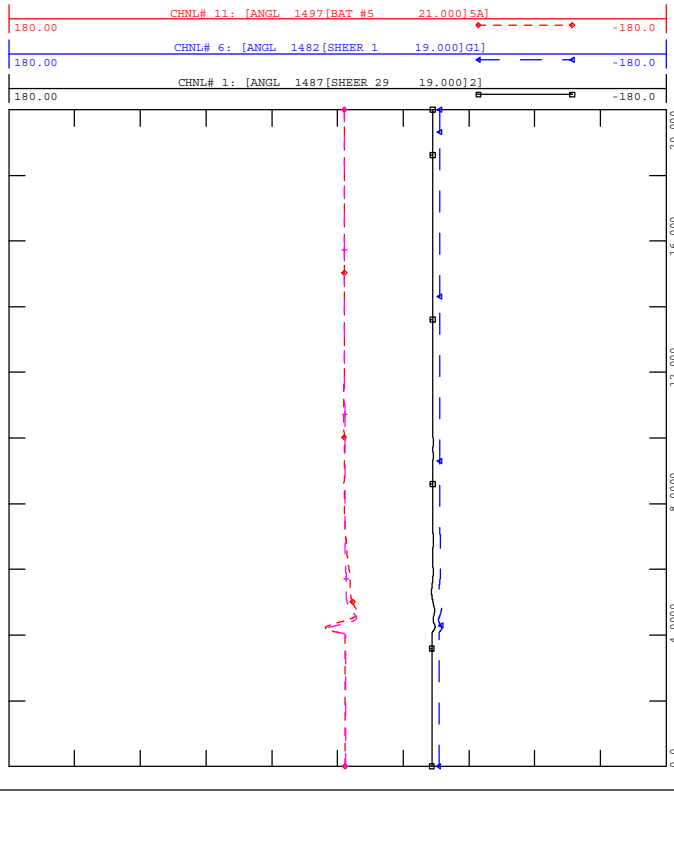


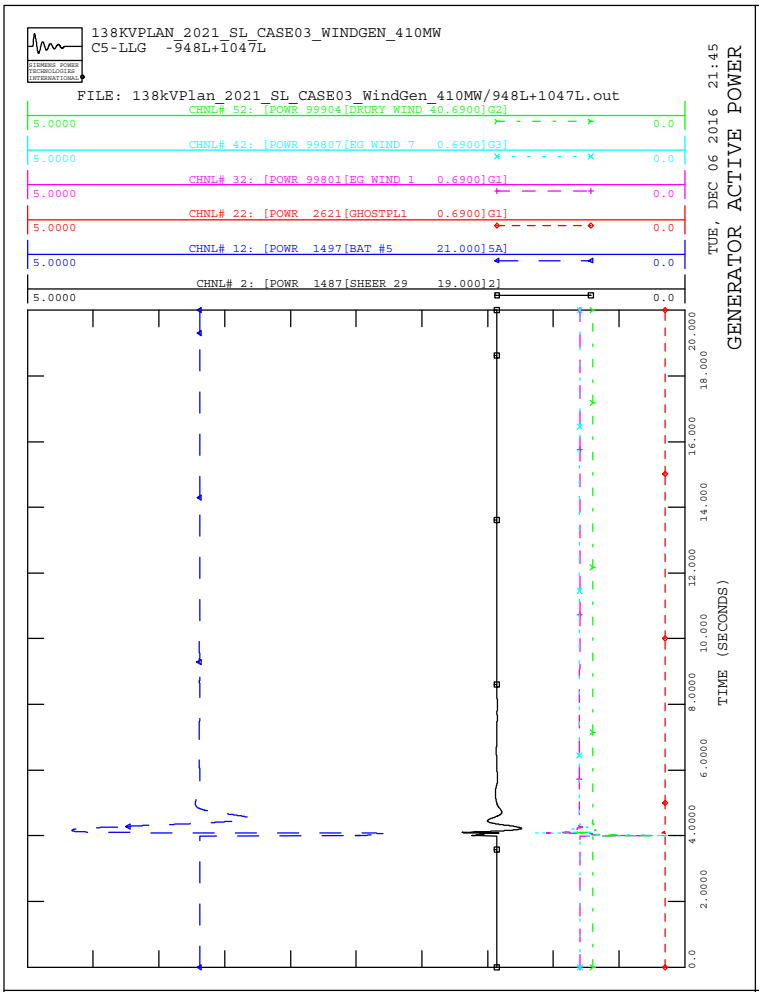
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -948L+1047L

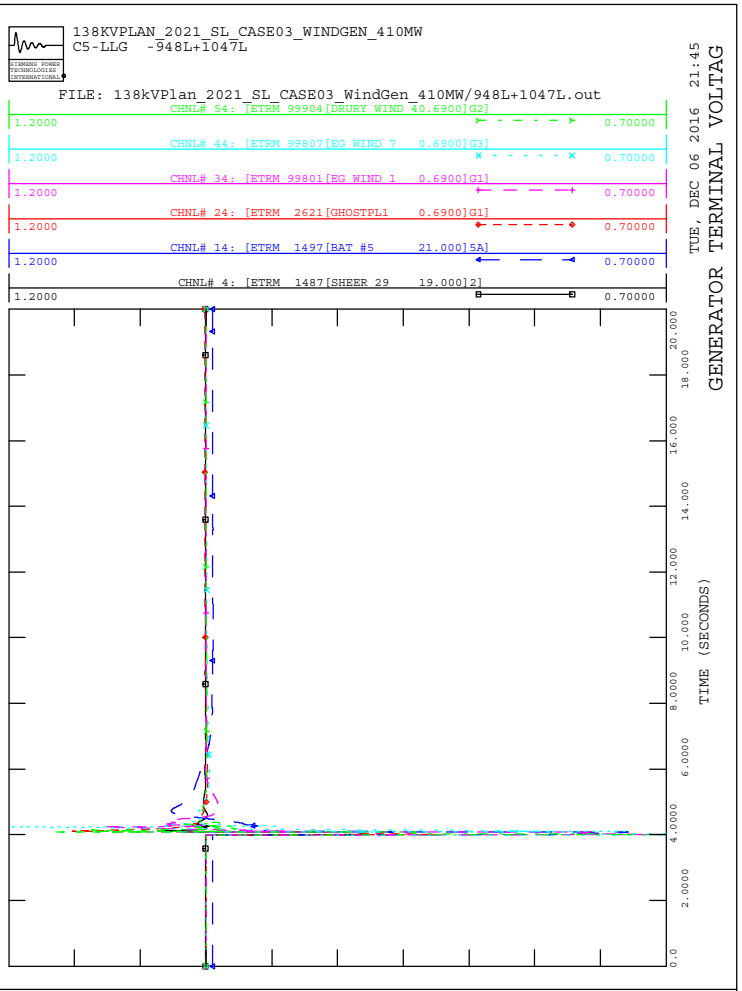
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L+1047L.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -948L+1047L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L+1047L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -948L+1047L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L+1047L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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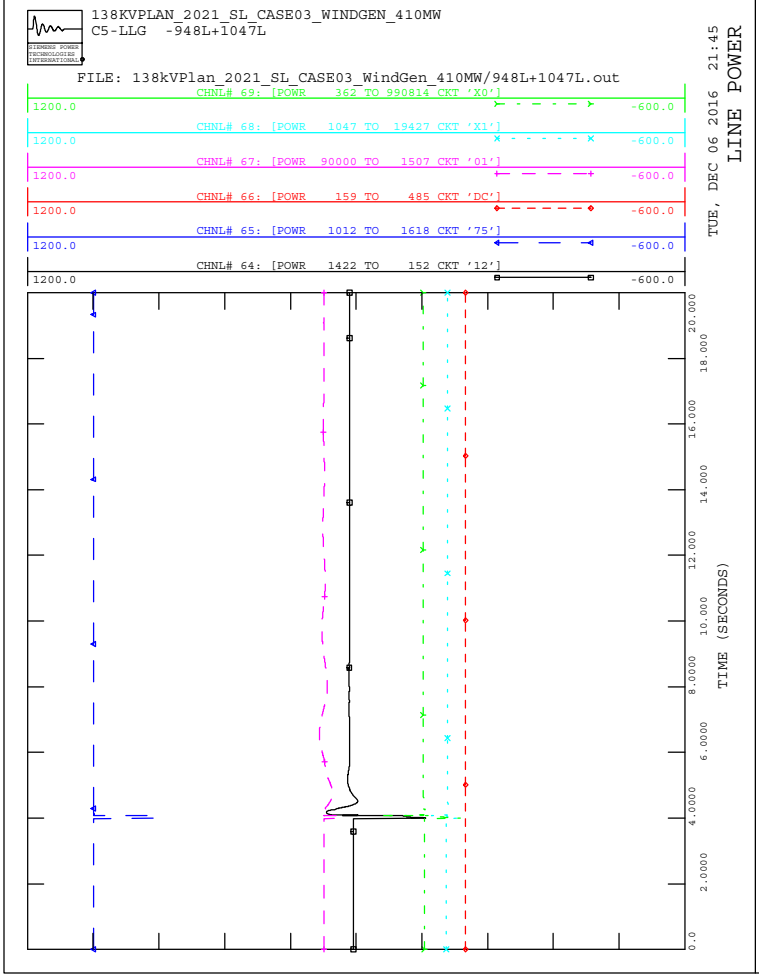
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -948L+1047L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L+1047L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
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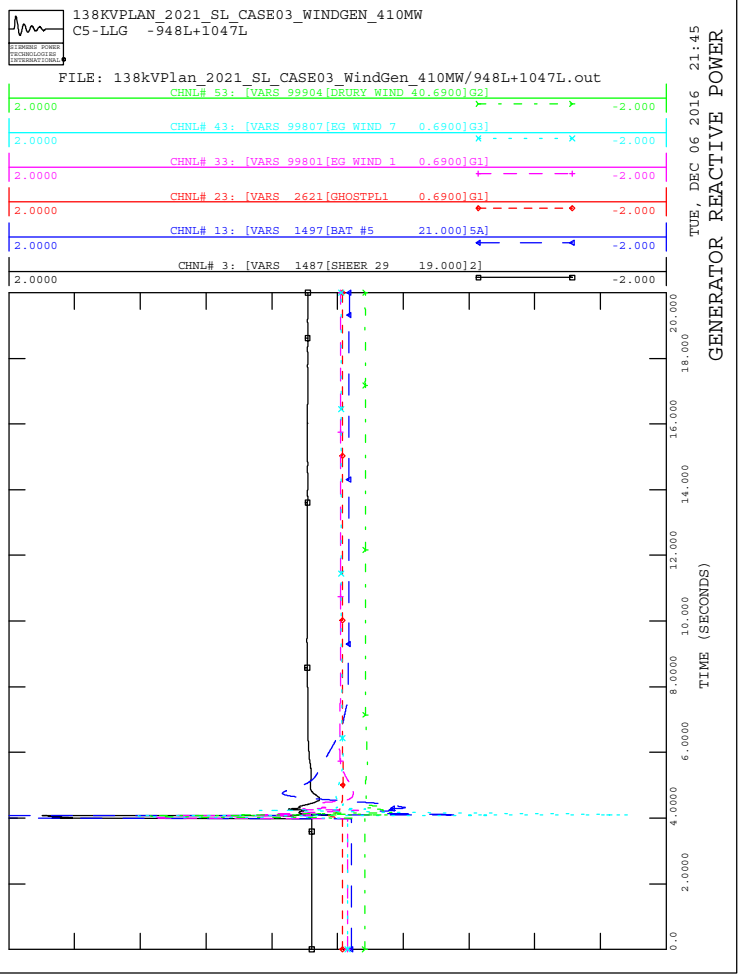
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -948L+1047L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L+1047L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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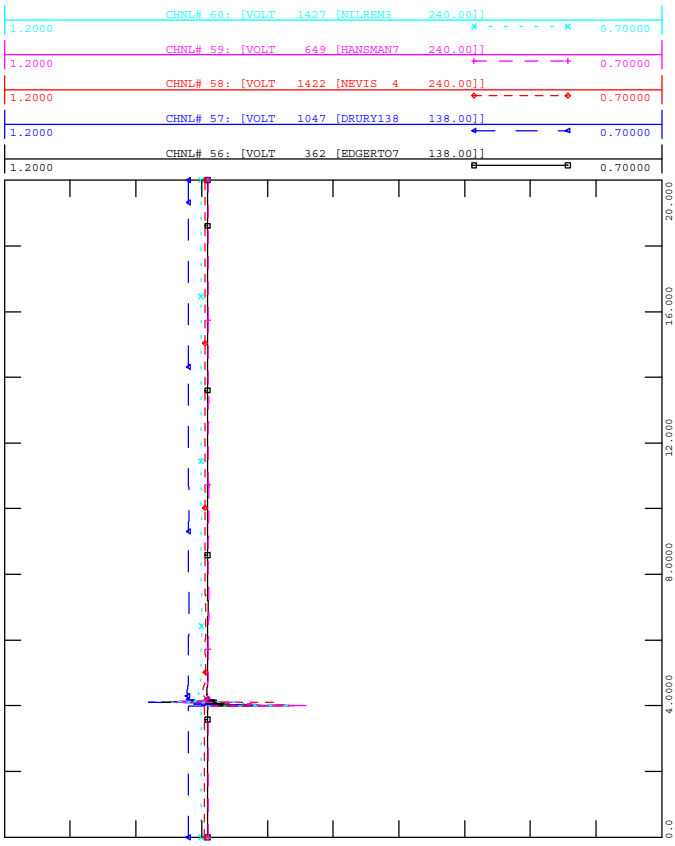
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L128+7L171

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L128+7L171.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

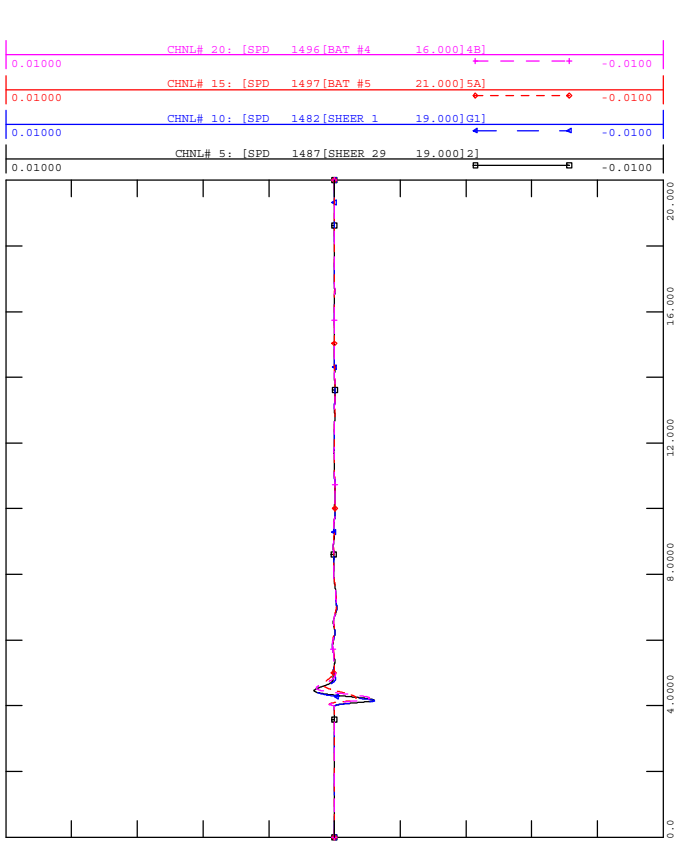


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L128+7L171

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L128+7L171.out

TUE, DEC 06 2016 21:45

MACHINE SPEED

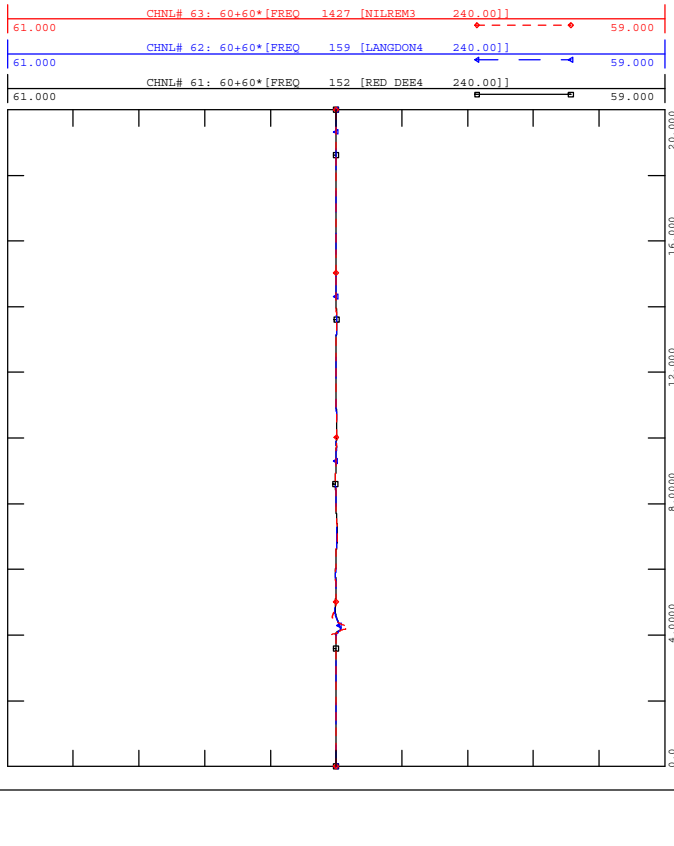


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L128+7L171

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L128+7L171.out

TUE, DEC 06 2016 21:45

FREQUENCY

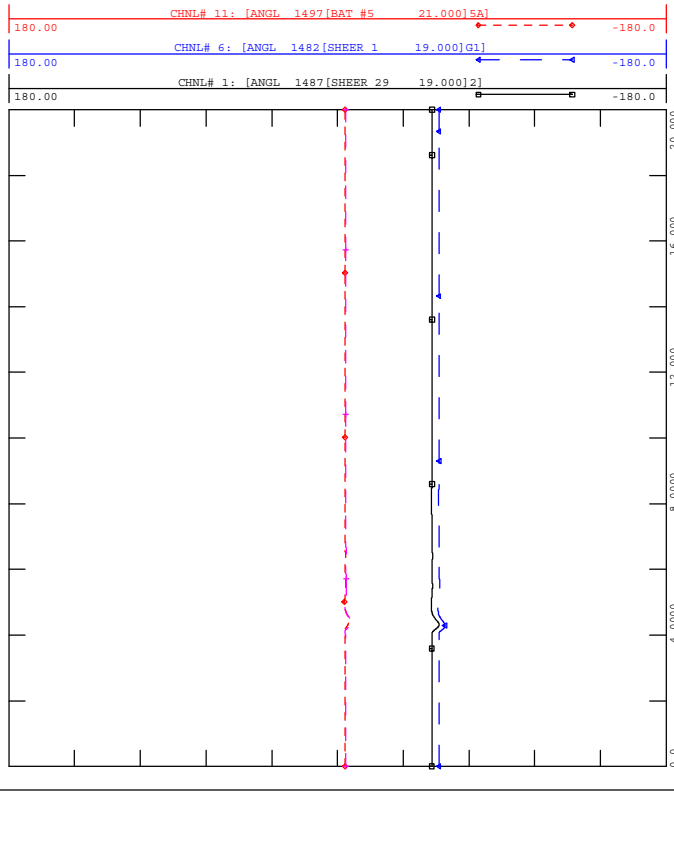


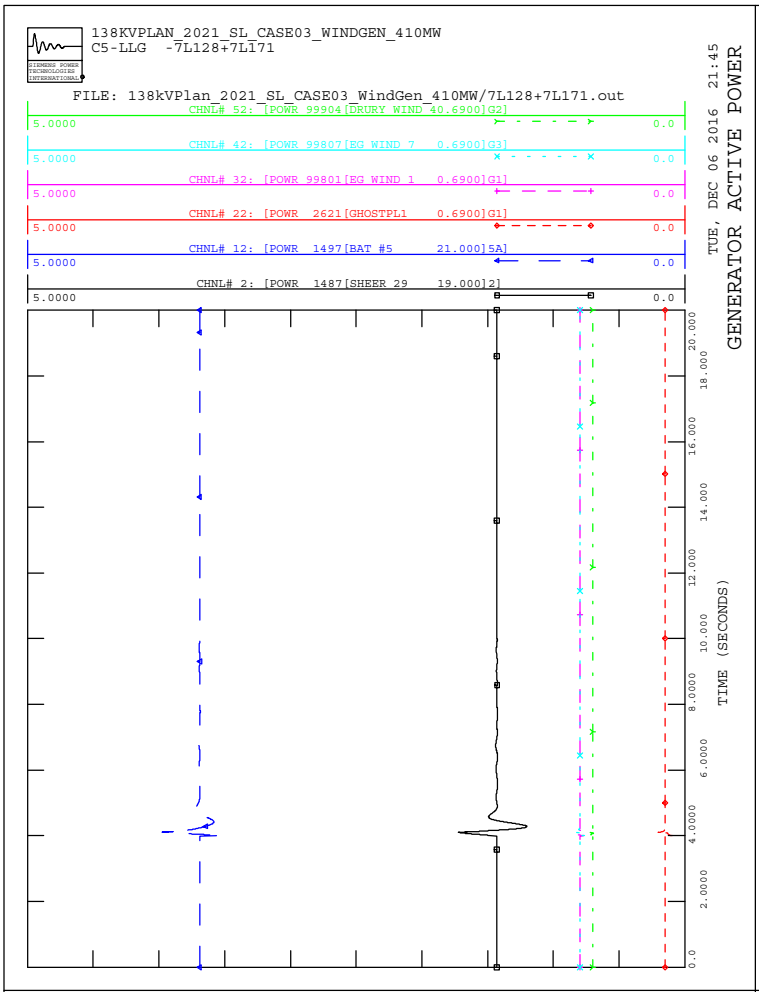
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L128+7L171

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L128+7L171.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L128+7L171
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L128+7L171.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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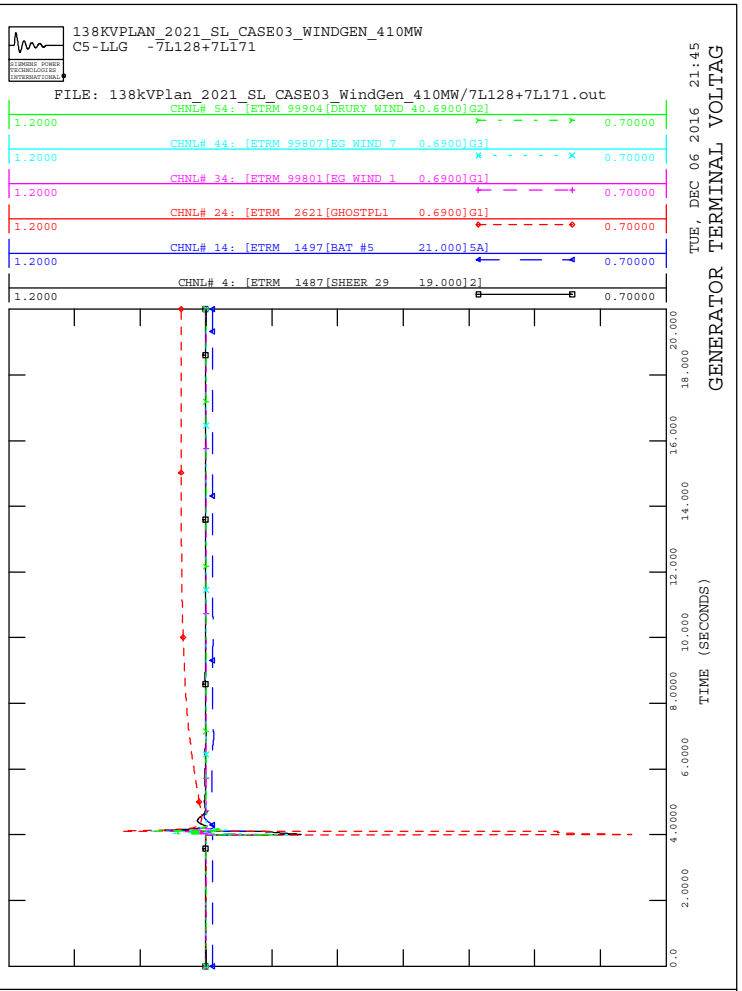
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L128+7L171
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L128+7L171.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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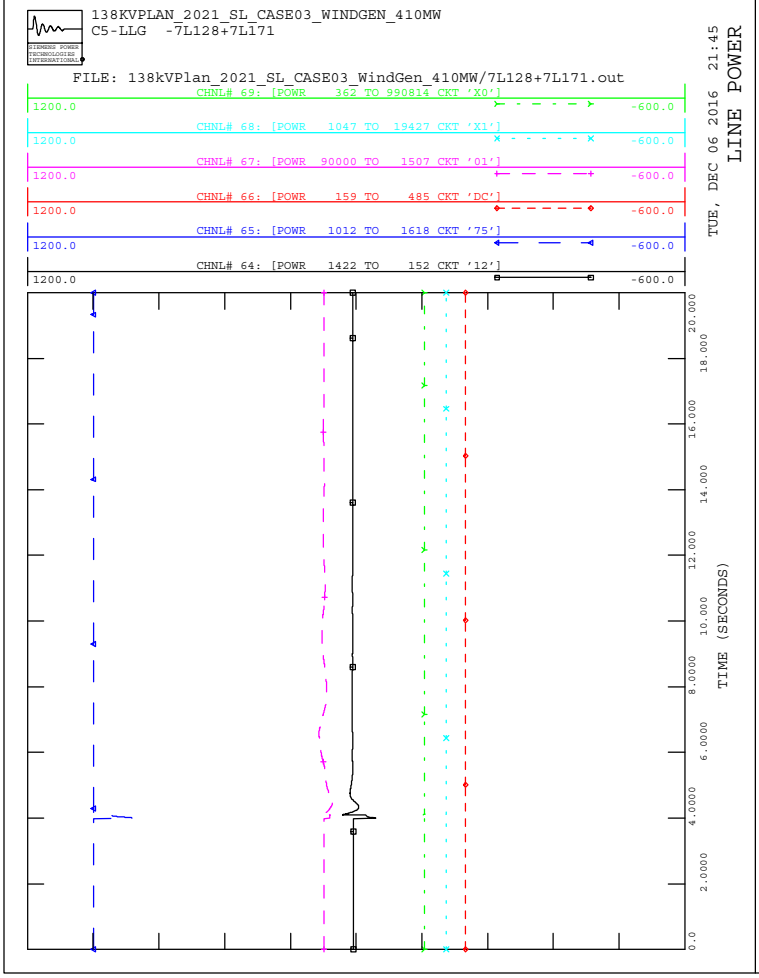
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L128+7L171
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L128+7L171.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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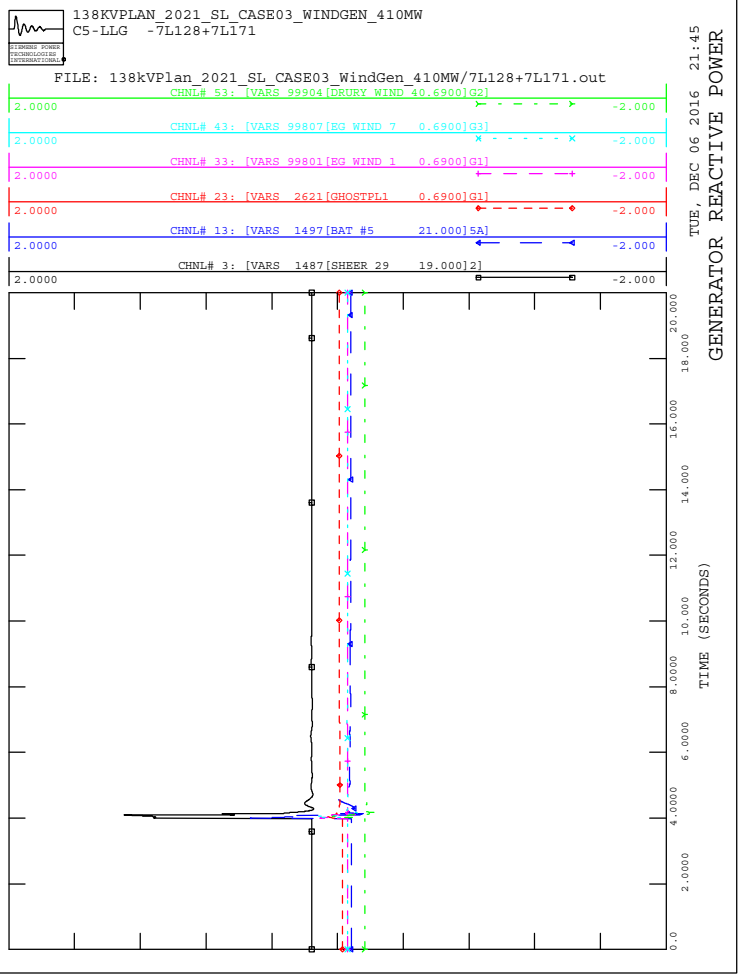
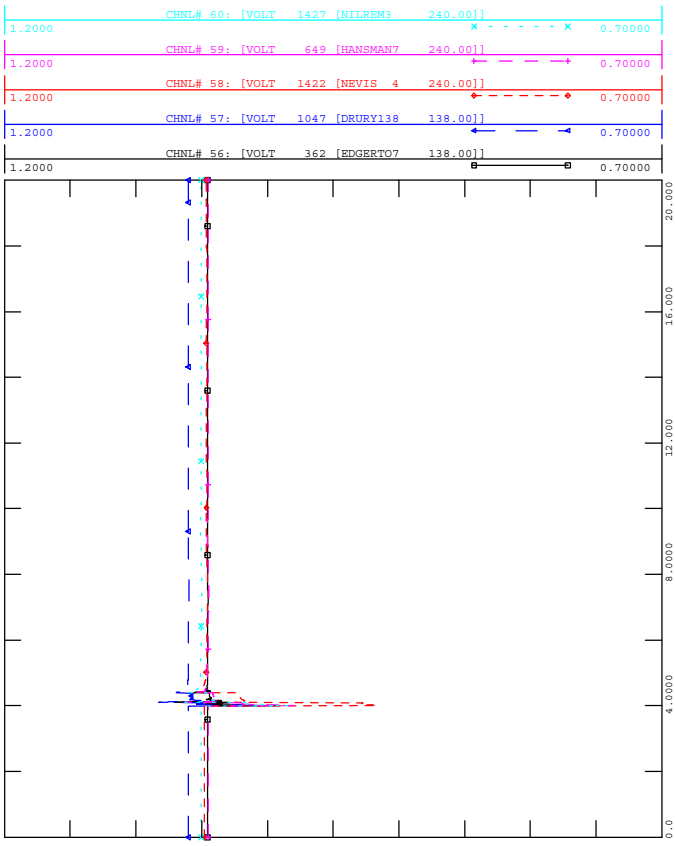

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L128+7L171
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L128+7L171.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L16+7L159

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L16+7L159.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

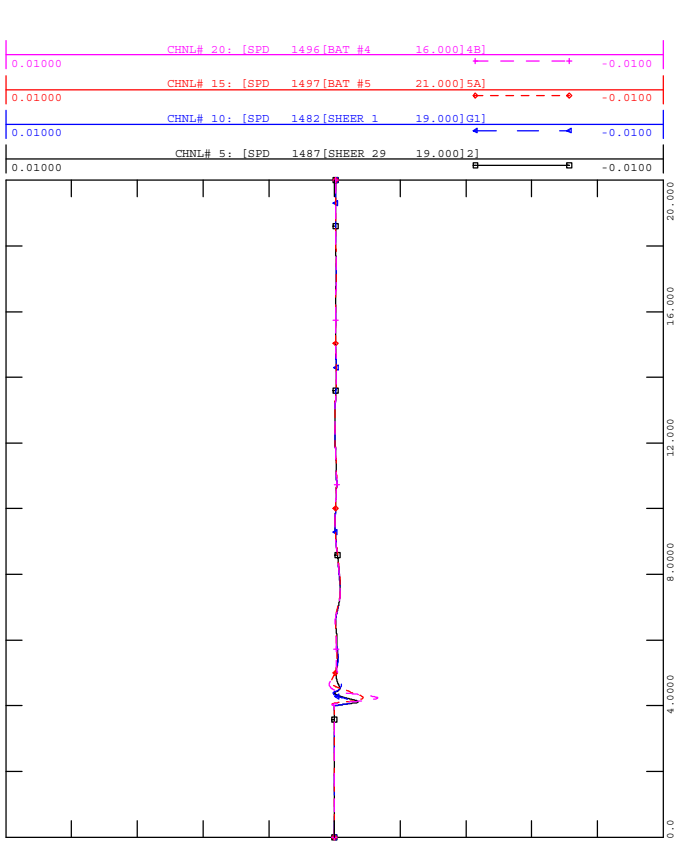


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L16+7L159

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L16+7L159.out

TUE, DEC 06 2016 21:45

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L16+7L159

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L16+7L159.out

TUE, DEC 06 2016 21:45

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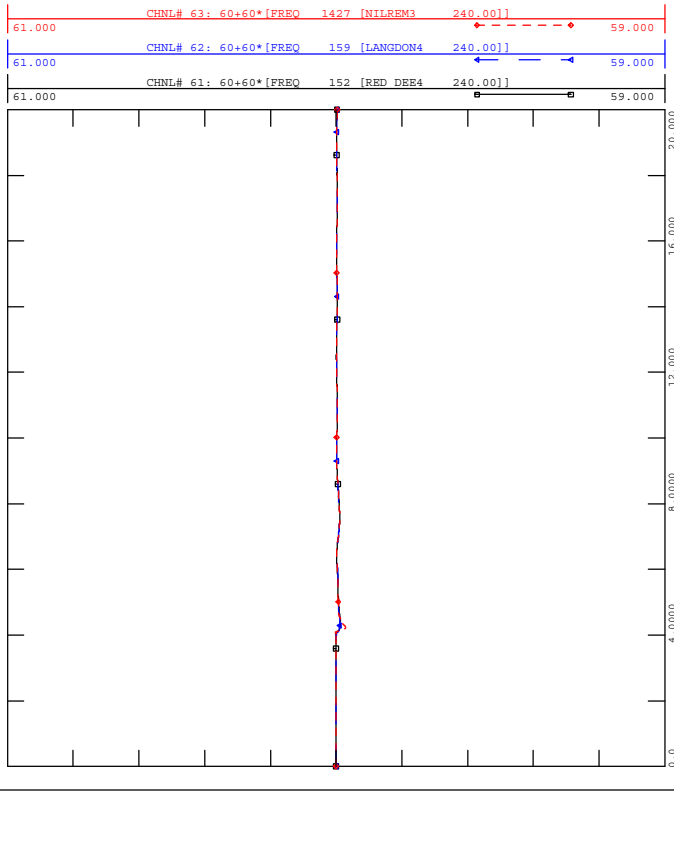
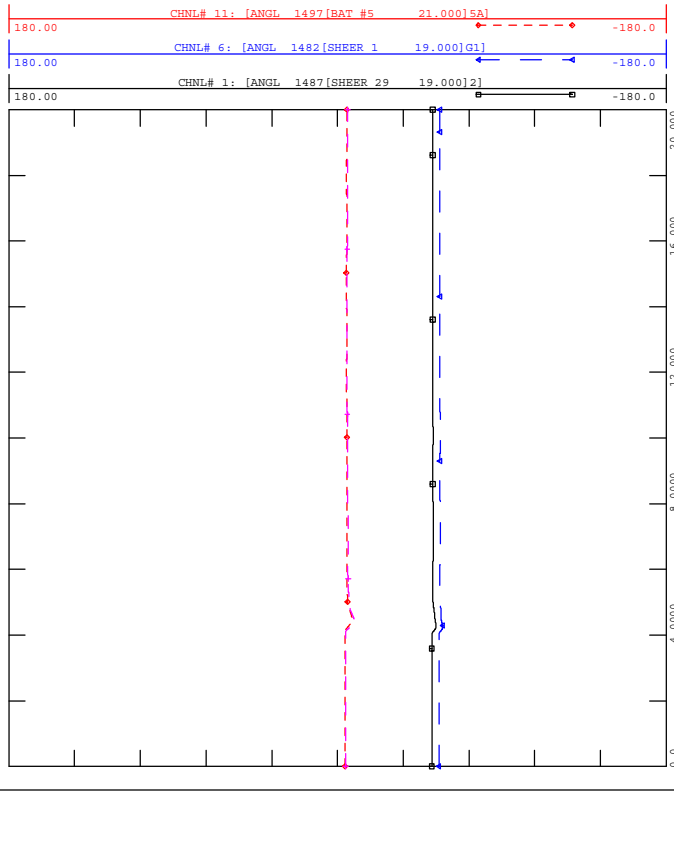


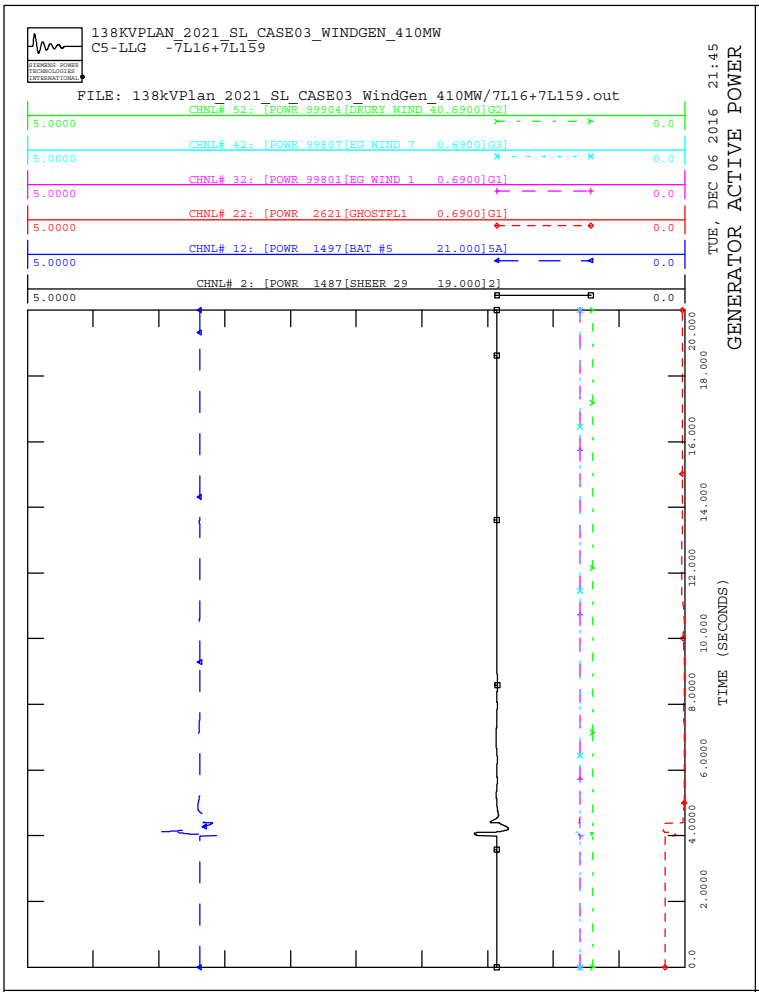
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L16+7L159

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L16+7L159.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L16+7L159
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L16+7L159.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
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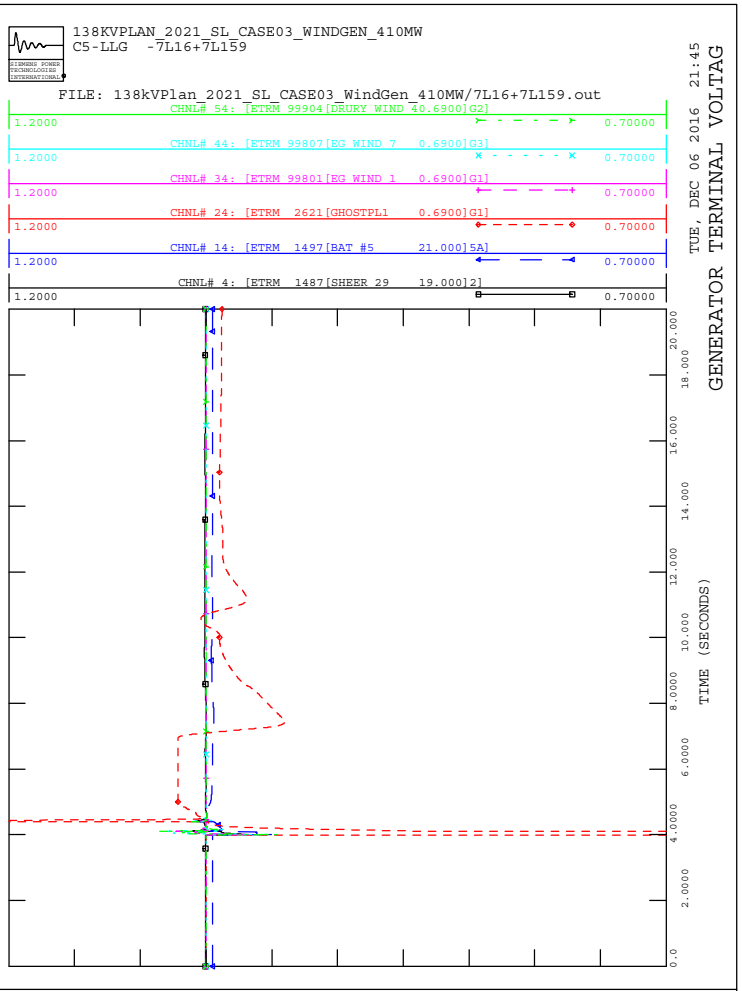
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L16+7L159
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L16+7L159.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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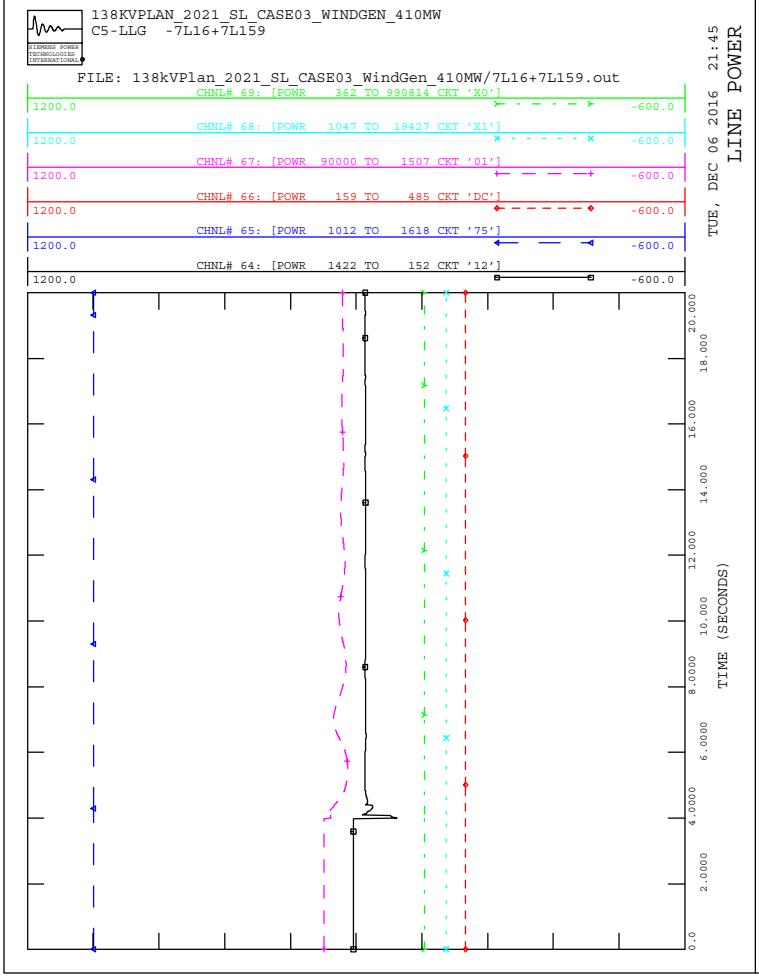
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L16+7L159
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L16+7L159.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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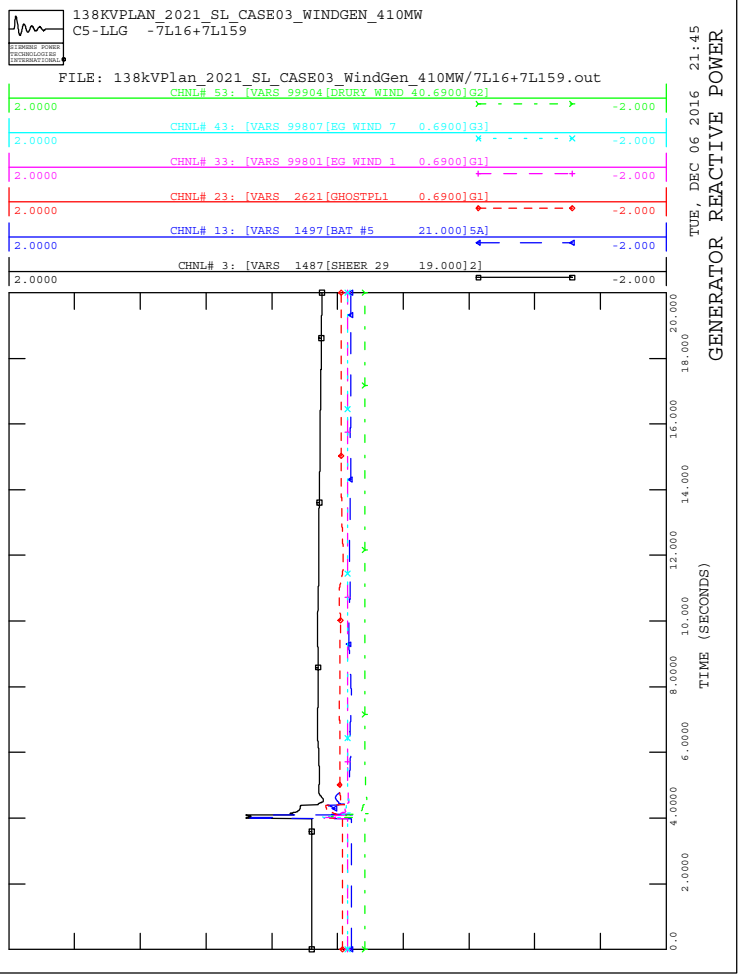
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L16+7L159
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L16+7L159.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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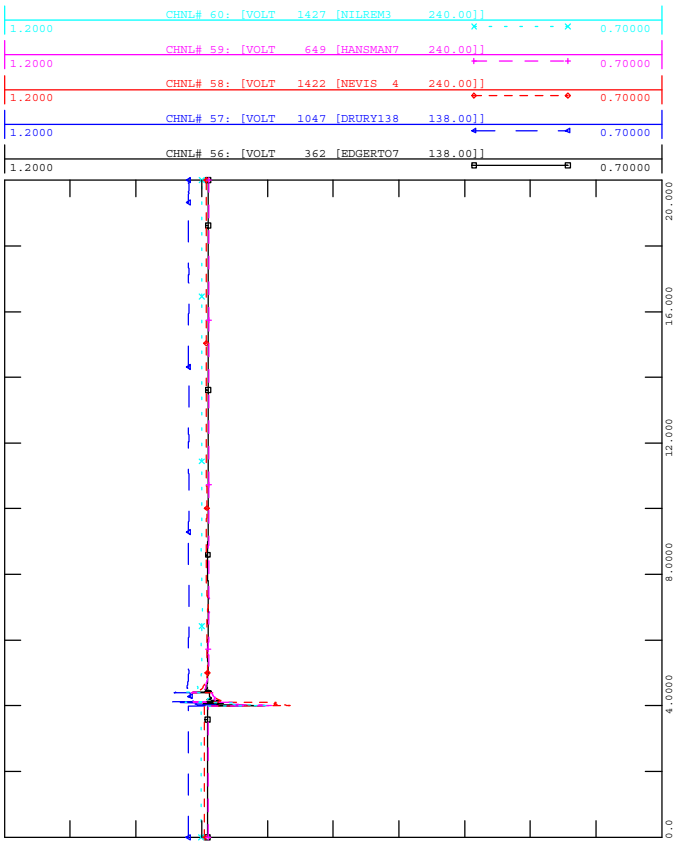
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L25+7L137

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L25+7L137.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

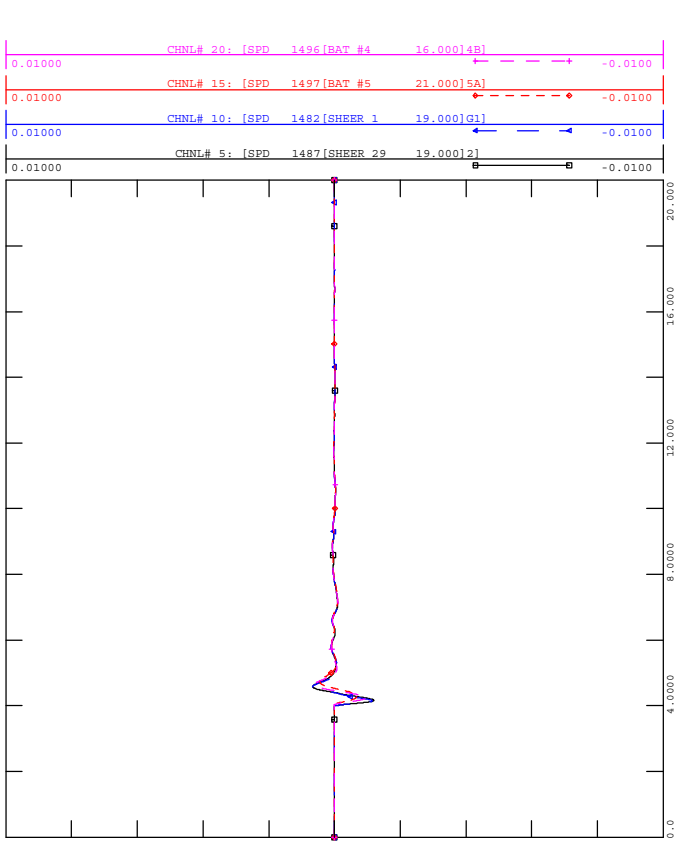


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L25+7L137

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L25+7L137.out

TUE, DEC 06 2016 21:45

MACHINE SPEED

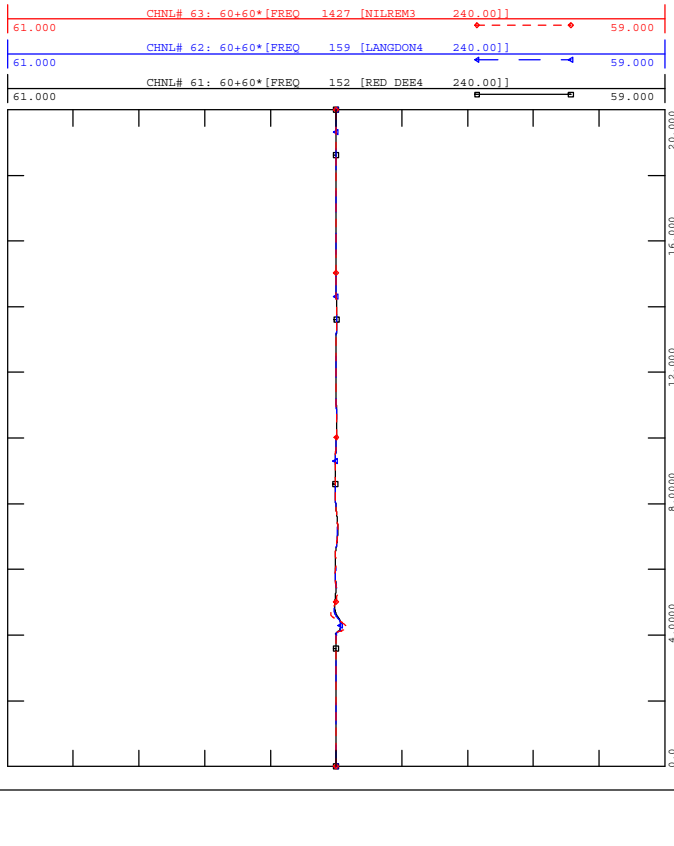


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L25+7L137

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L25+7L137.out

TUE, DEC 06 2016 21:45

FREQUENCY

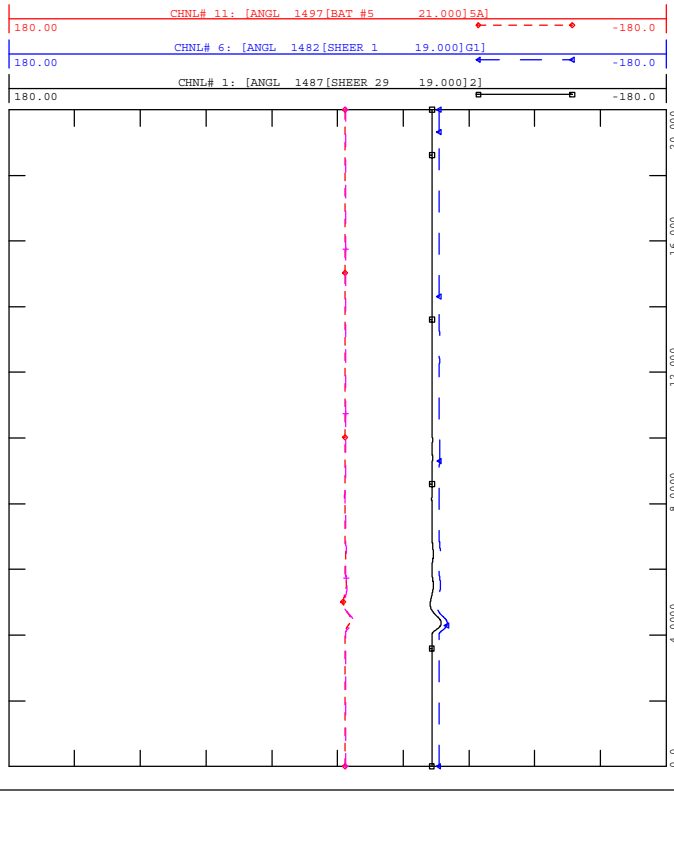


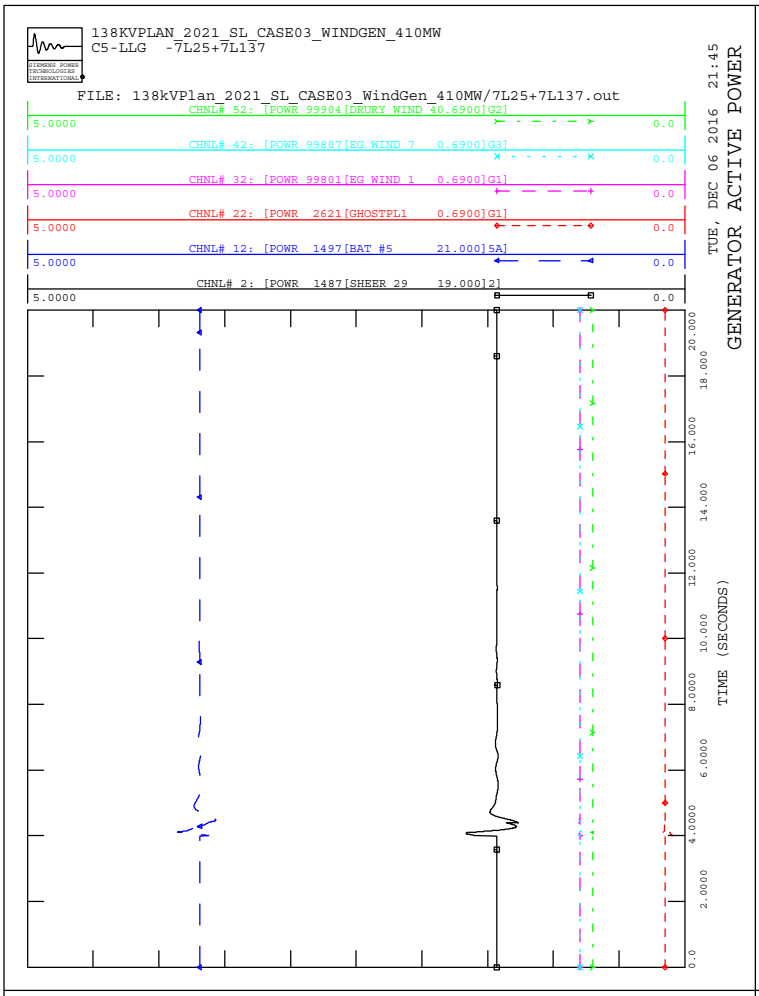
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L25+7L137

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L25+7L137.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L25+7L137
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L25+7L137.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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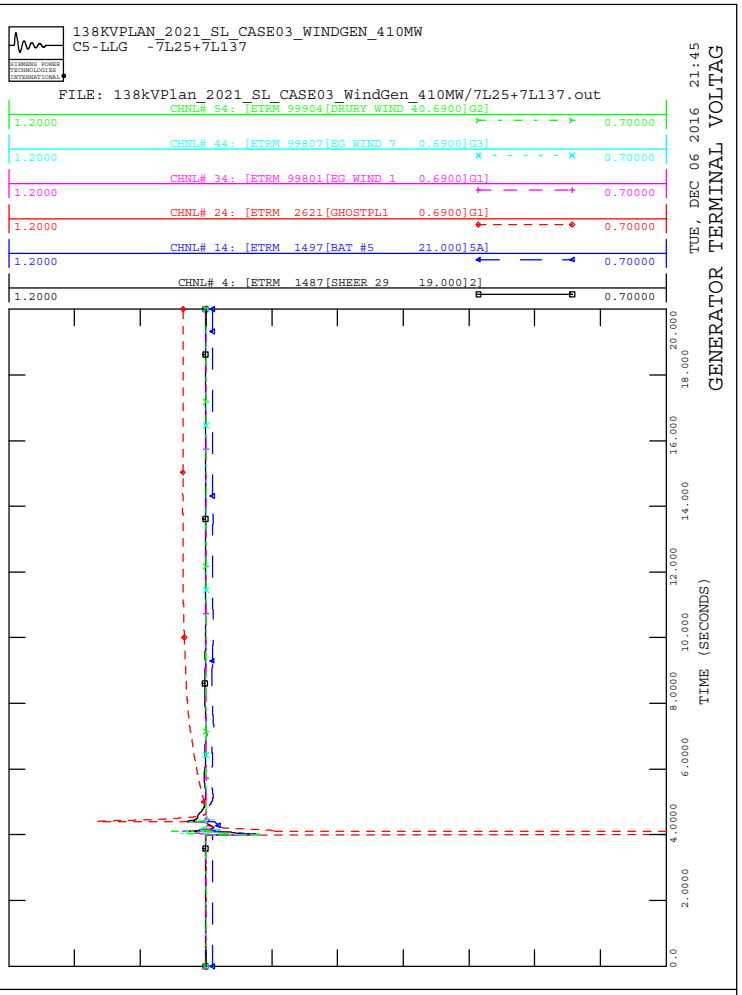
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L25+7L137
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L25+7L137.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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8.0000
10.000
12.000
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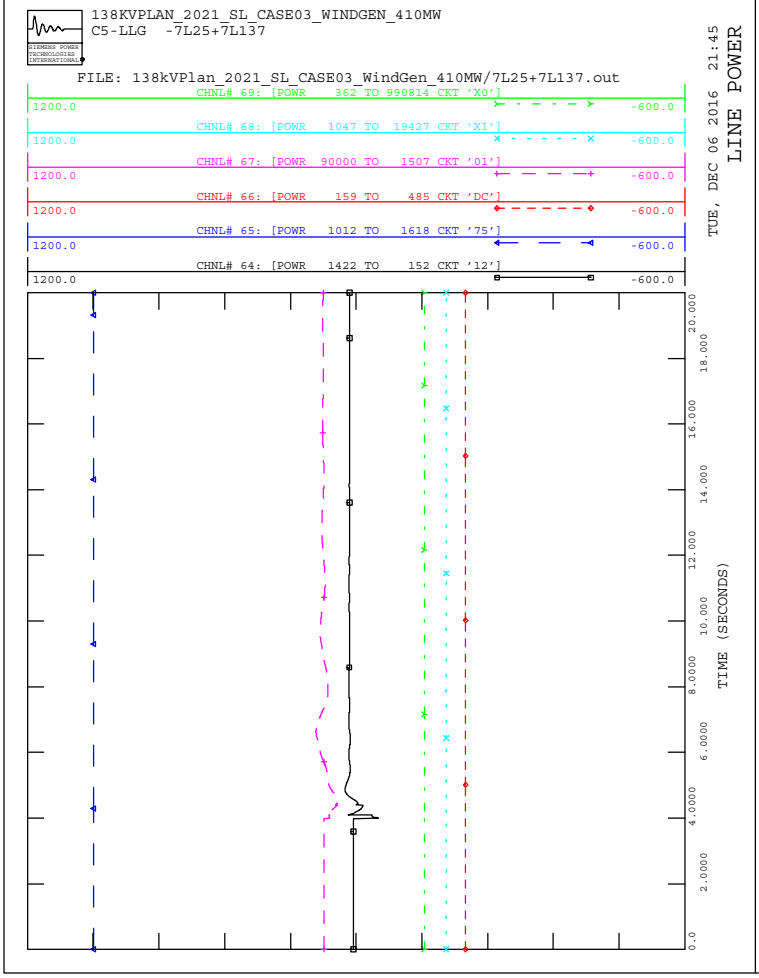
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L25+7L137
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L25+7L137.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
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10.000
12.000
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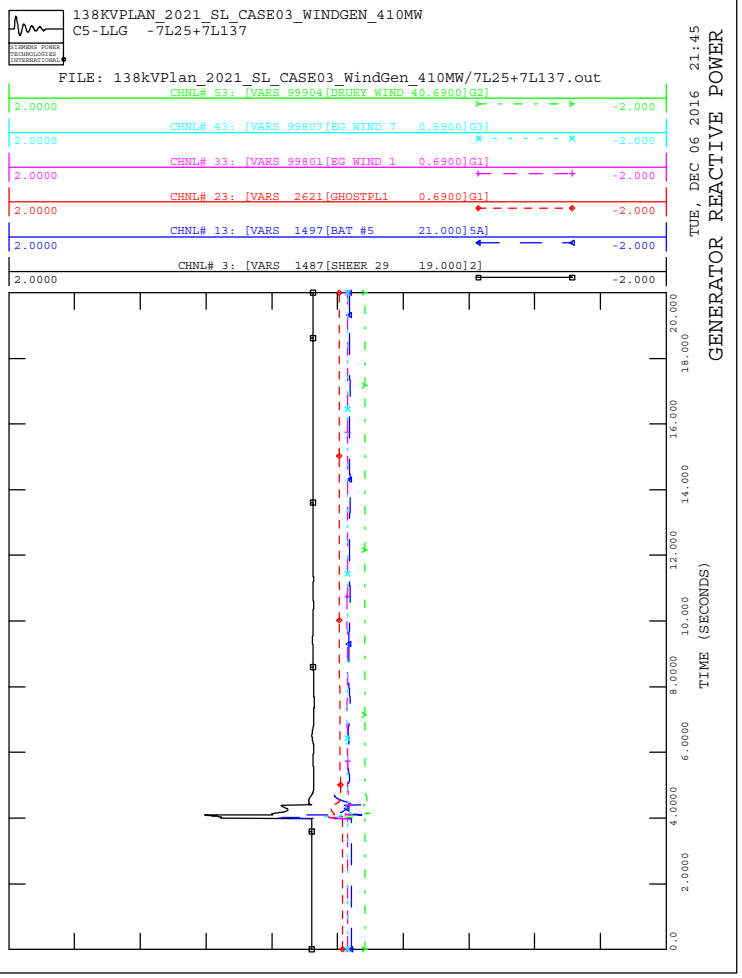
20.000

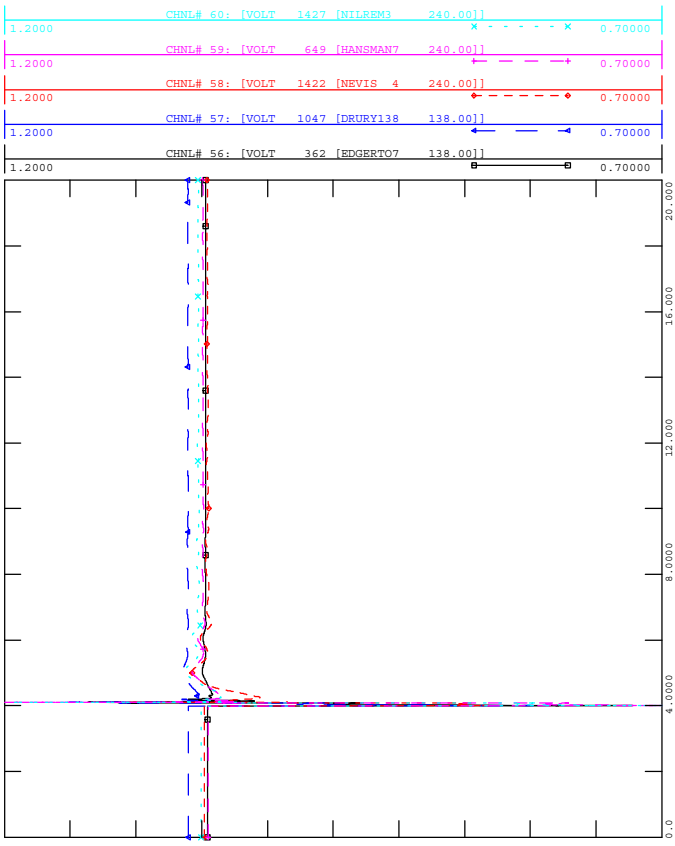

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -7L25+7L137
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L25+7L137.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L70+9L97

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70+9L97.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

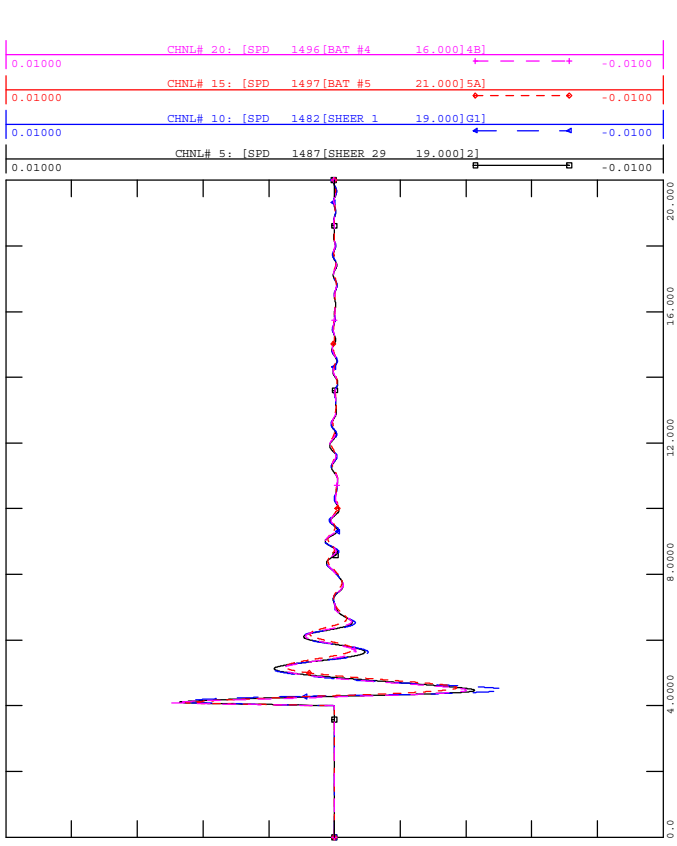


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L70+9L97

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70+9L97.out

TUE, DEC 06 2016 21:45

MACHINE SPEED

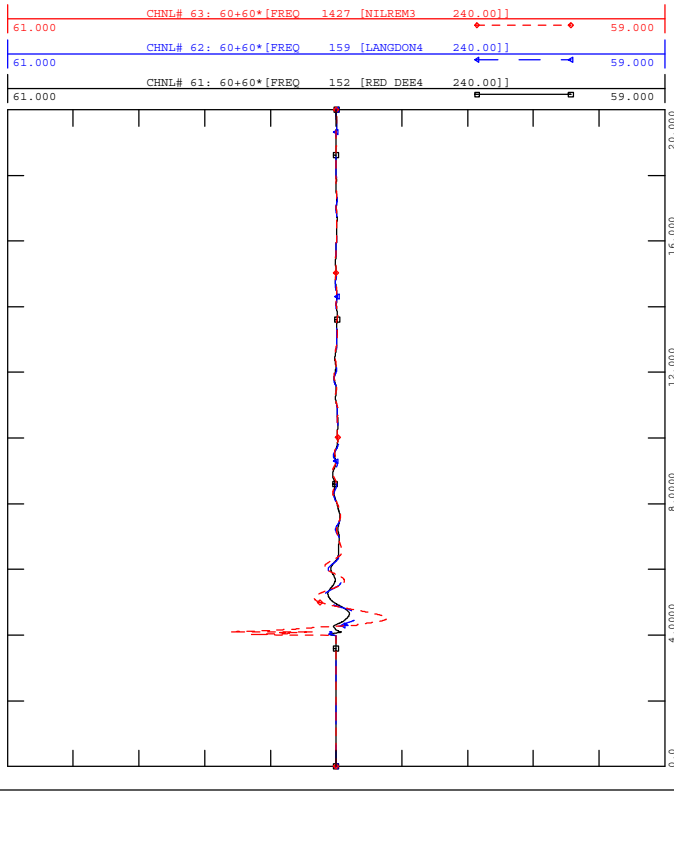


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L70+9L97

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70+9L97.out

TUE, DEC 06 2016 21:45

FREQUENCY

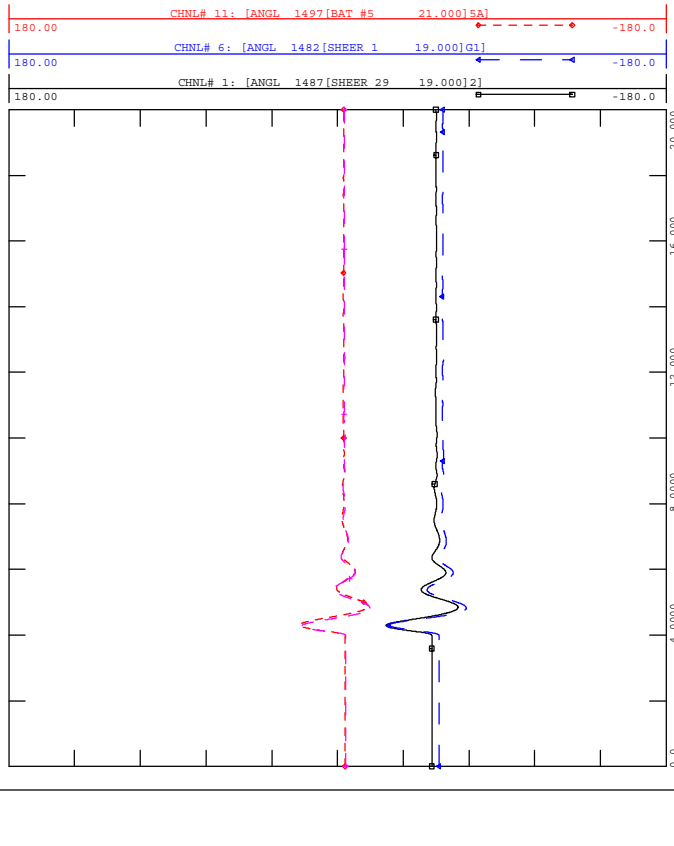


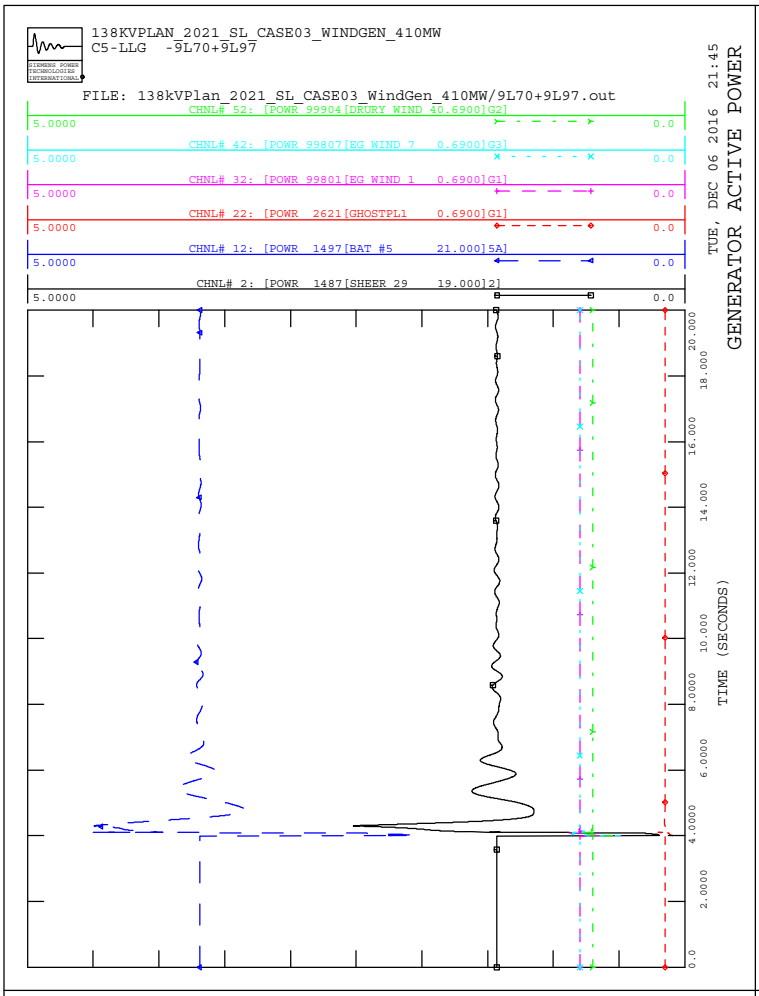
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L70+9L97

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70+9L97.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L70+9L97
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70+9L97.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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6.0000
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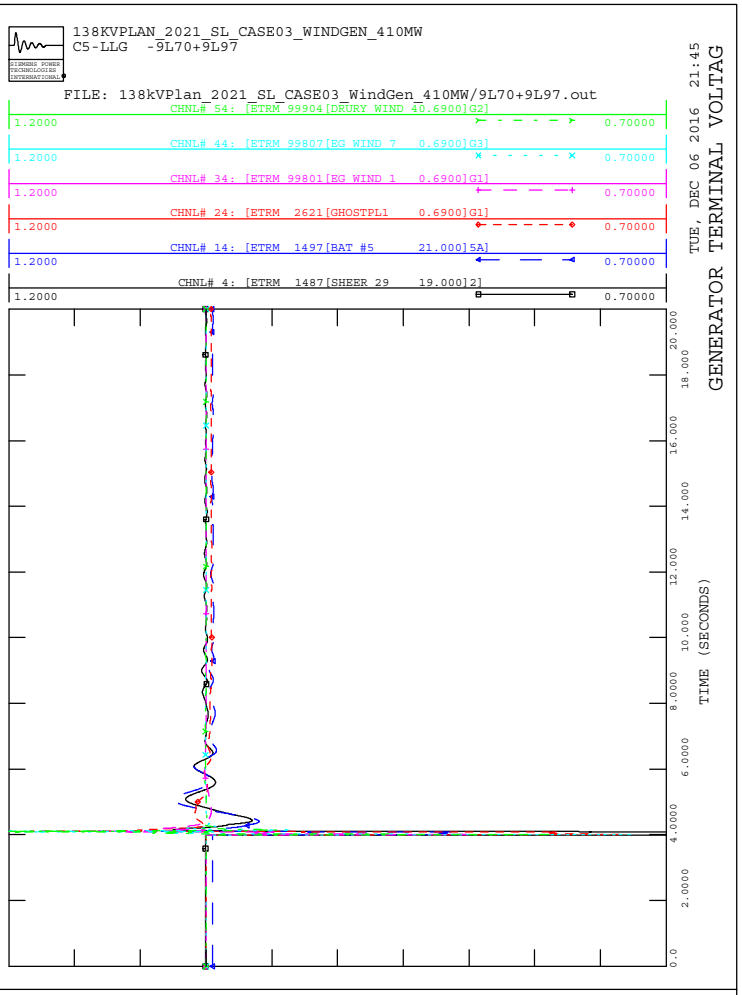
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L70+9L97
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70+9L97.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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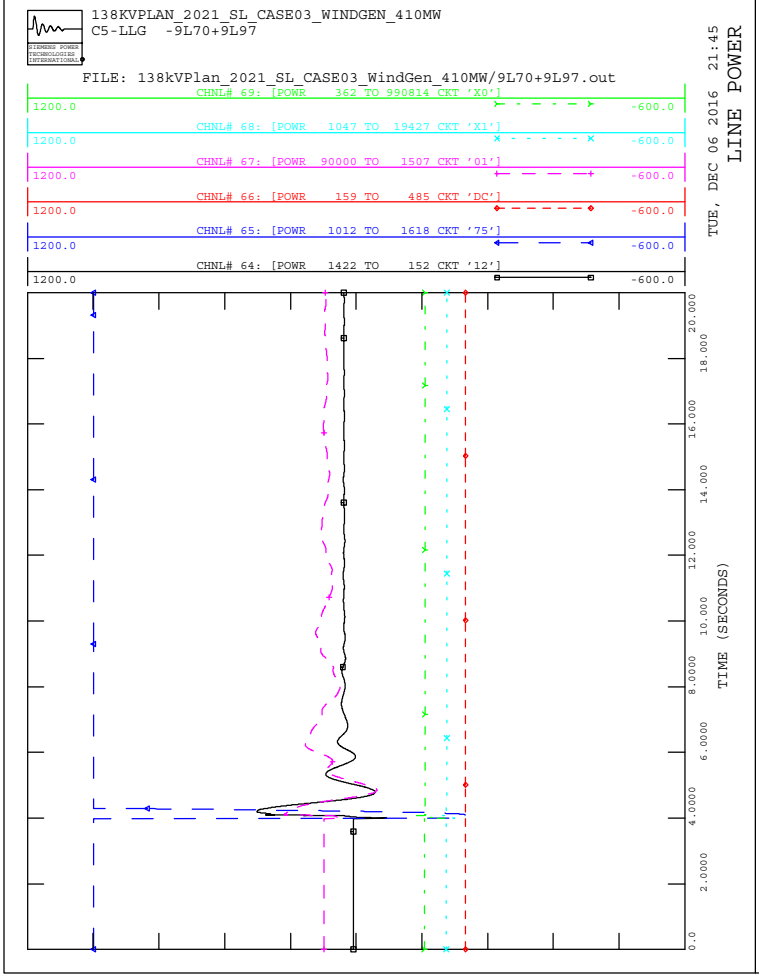
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L70+9L97
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70+9L97.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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12.000
14.000
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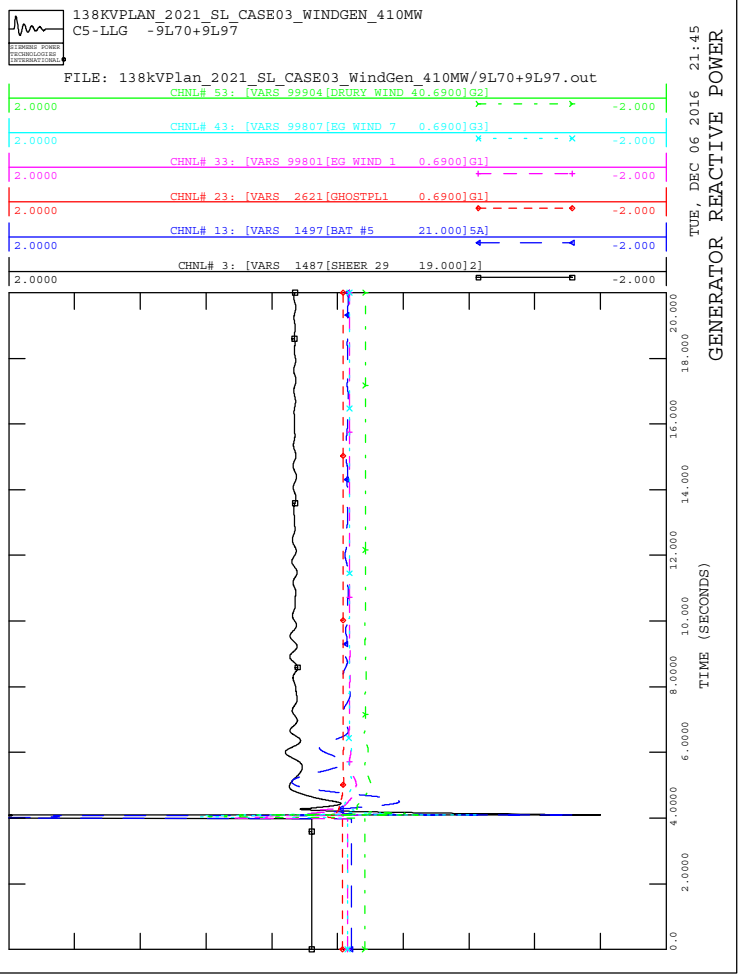
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -9L70+9L97
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L70+9L97.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
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16.000
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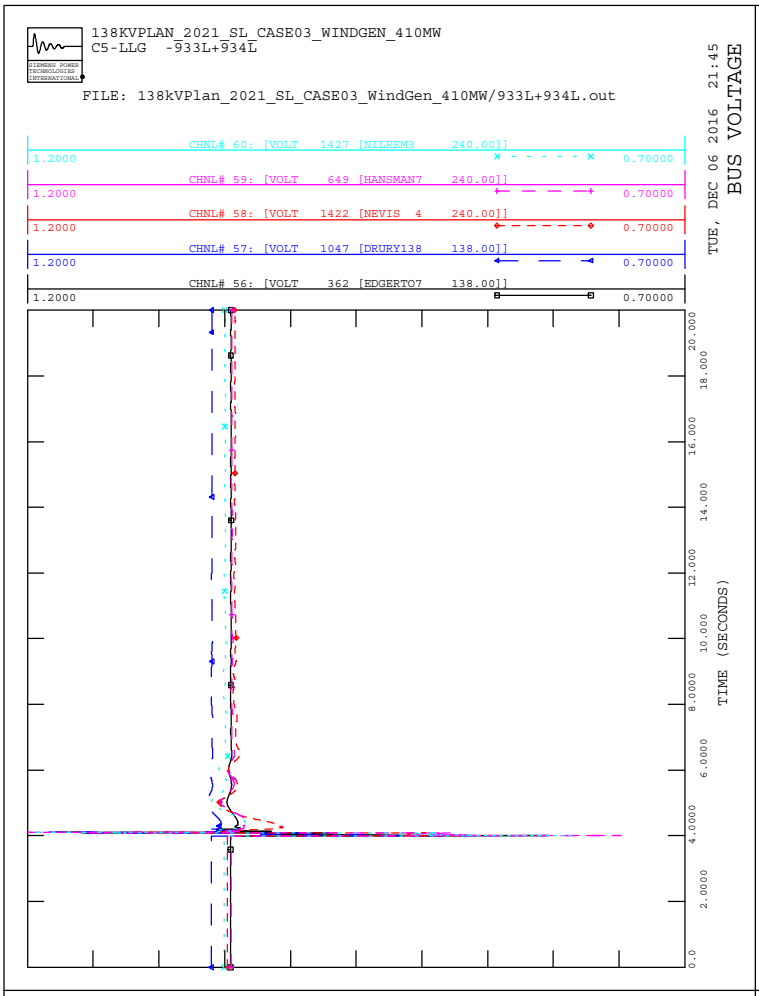
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/933L+934L.out
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TUE, DEC 06 2016 21:45
BUS VOLTAGE
TIME (SECONDS)
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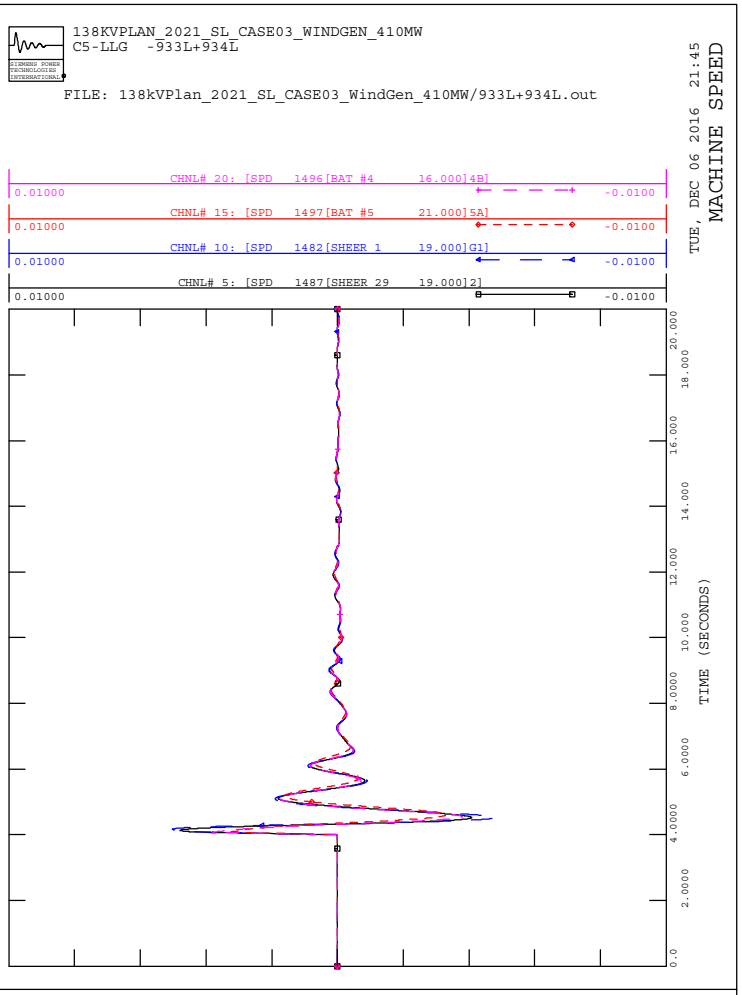
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/933L+934L.out
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
MACHINE SPEED
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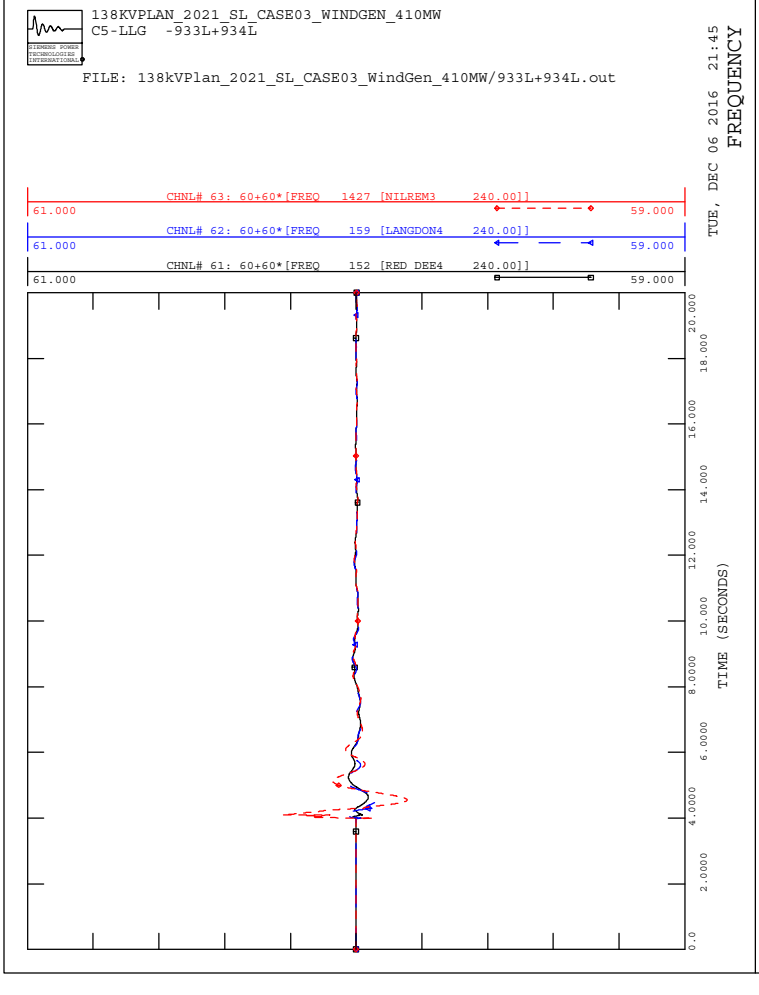
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/933L+934L.out
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TUE, DEC 06 2016 21:45
FREQUENCY
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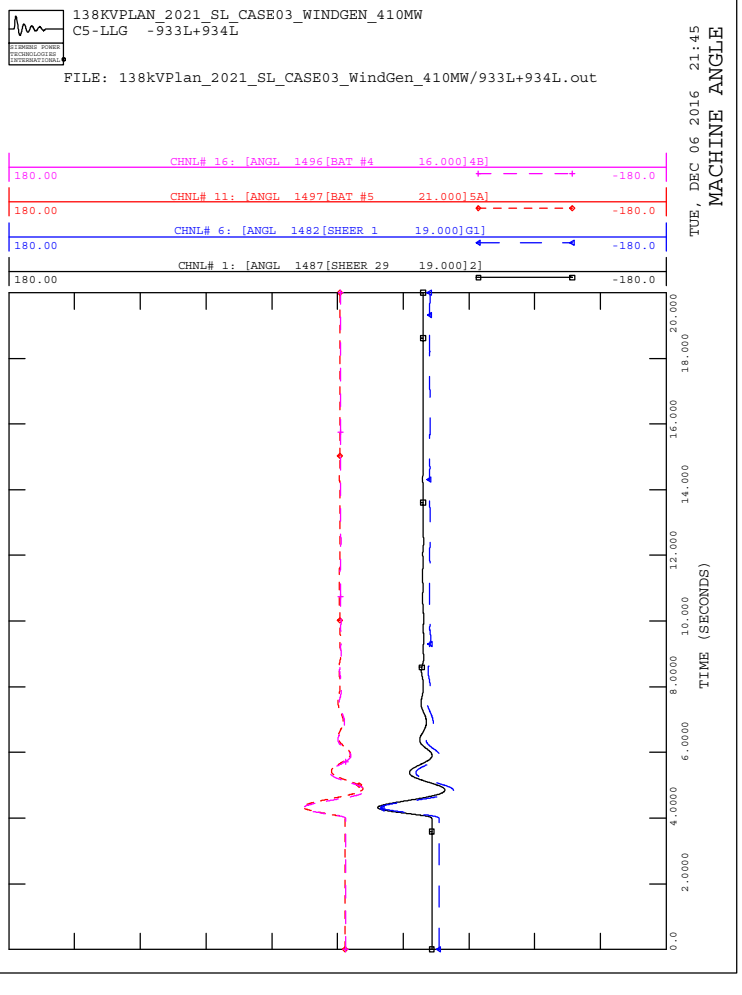
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/933L+934L.out
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TUE, DEC 06 2016 21:45
MACHINE ANGLE
TIME (SECONDS)
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4.0000
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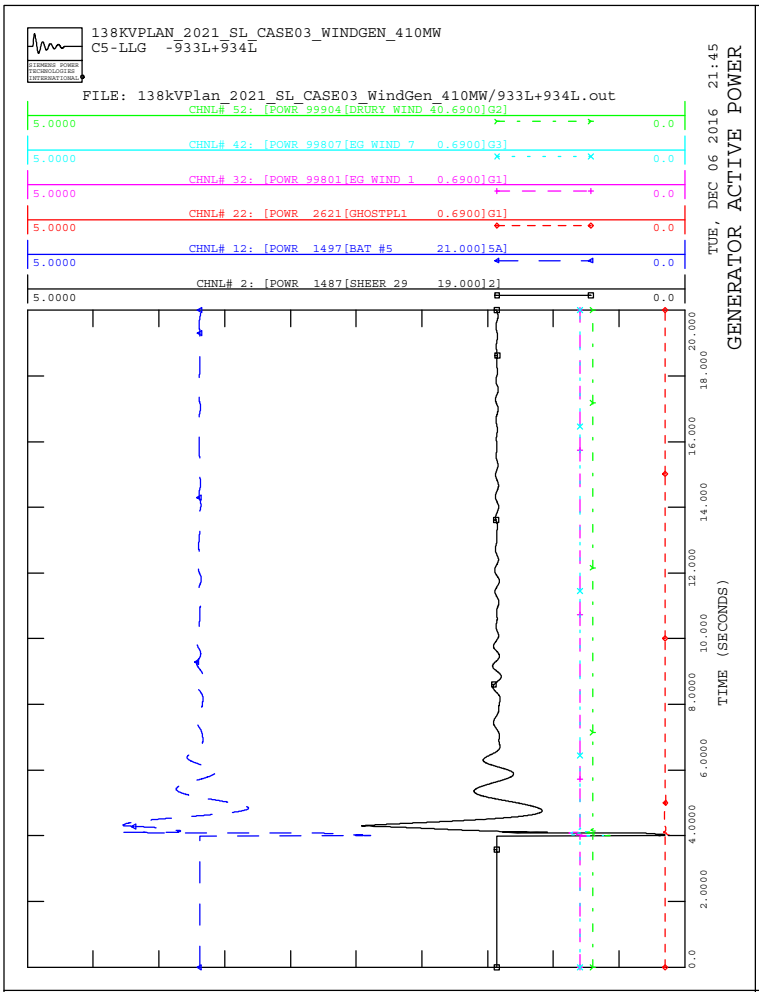
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/933L+934L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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12.000
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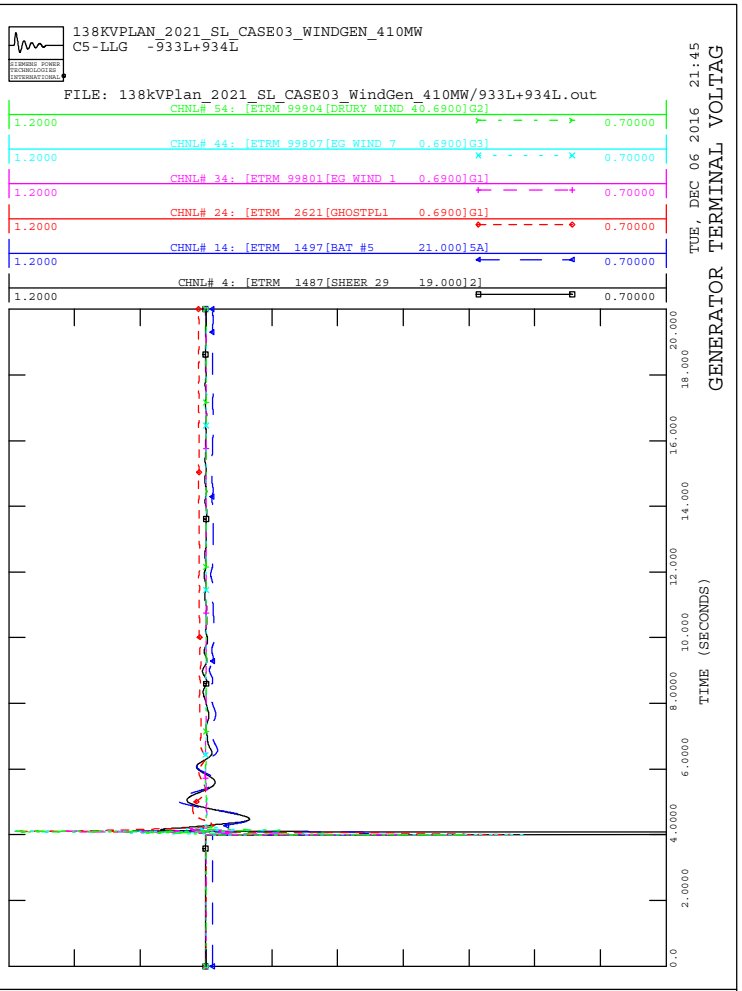
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/933L+934L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
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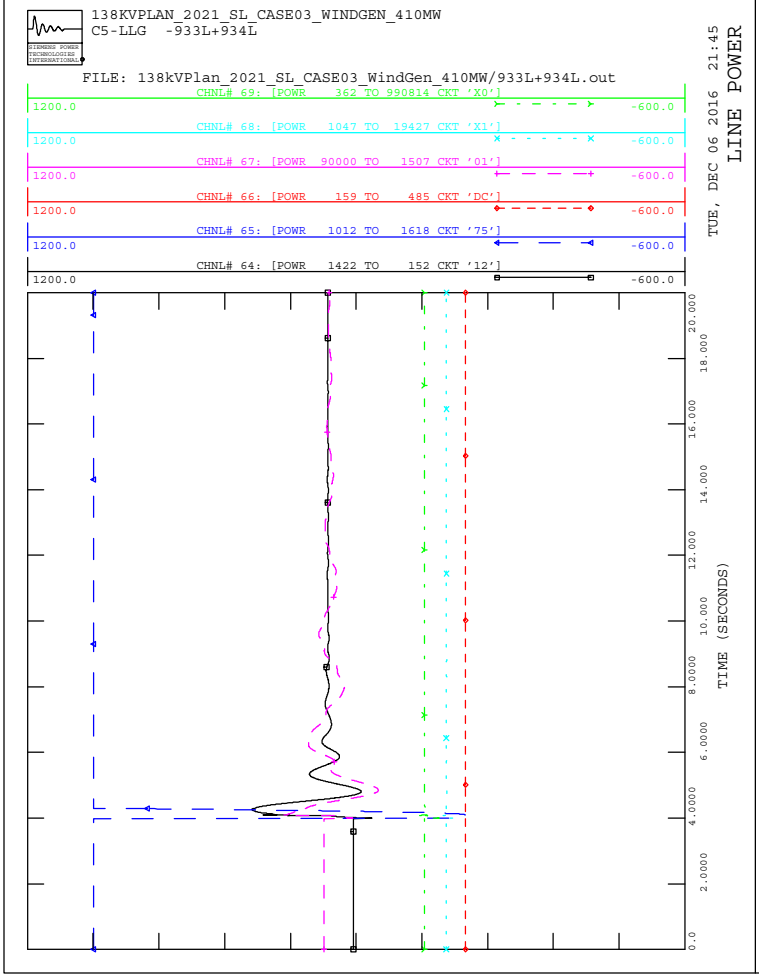
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/933L+934L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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2.0000
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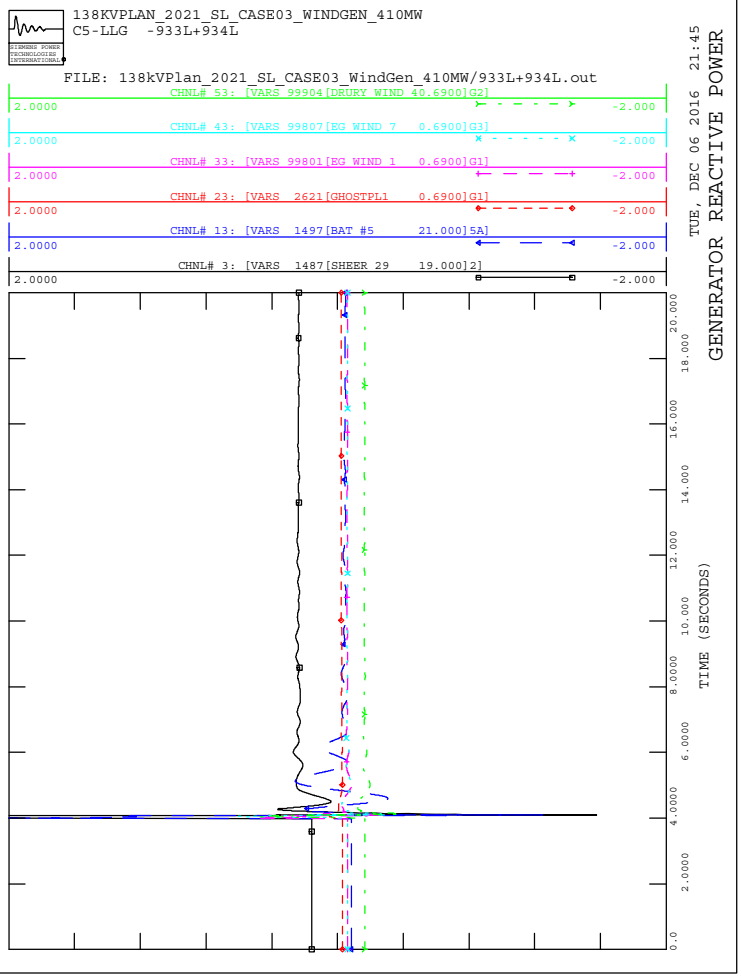

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/933L+934L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

Transient Stability Analysis Plots

Alternative 1-138 kV Plan

2021 Winter Peak

Category C5 (Line-to-line-to-ground Fault)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L14+7L130

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14+7L130.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L14+7L130

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14+7L130.out

TUE, DEC 06 2016 21:45

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L14+7L130

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14+7L130.out

TUE, DEC 06 2016 21:45

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L14+7L130

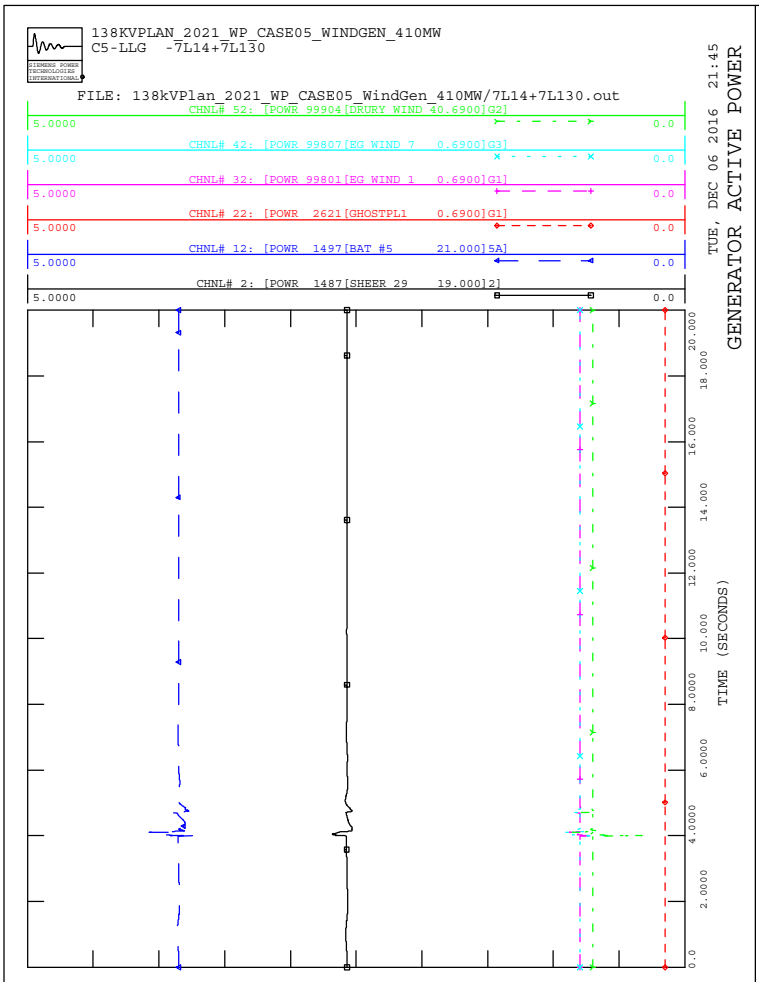
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14+7L130.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L14+7L130
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14+7L130.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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10.000
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14.000
16.000
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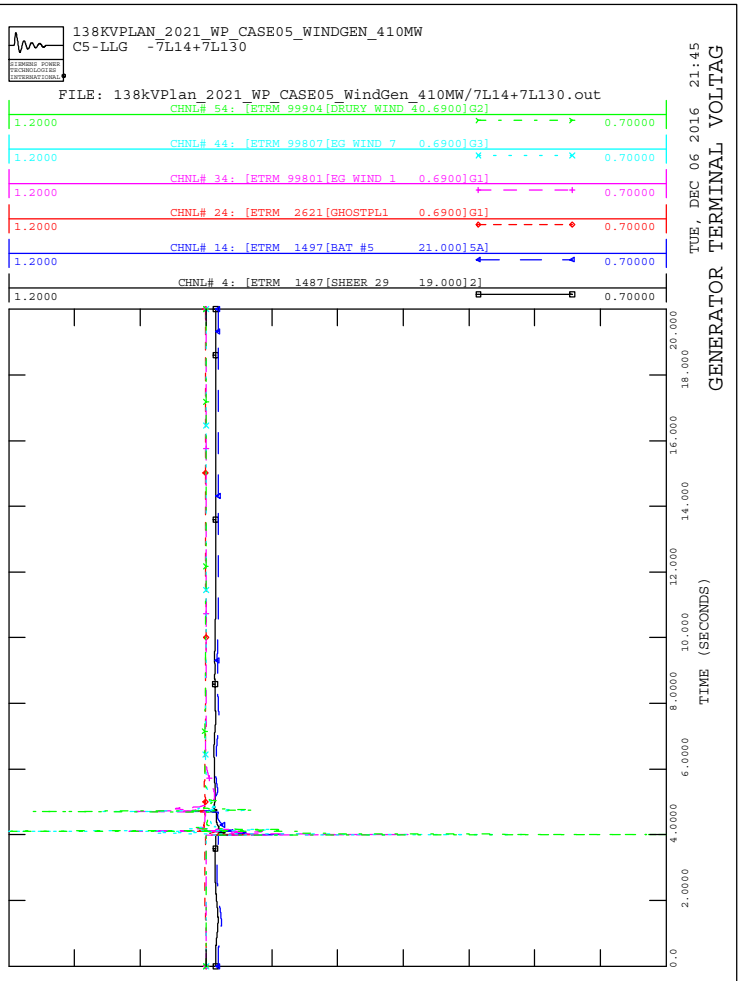
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L14+7L130
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14+7L130.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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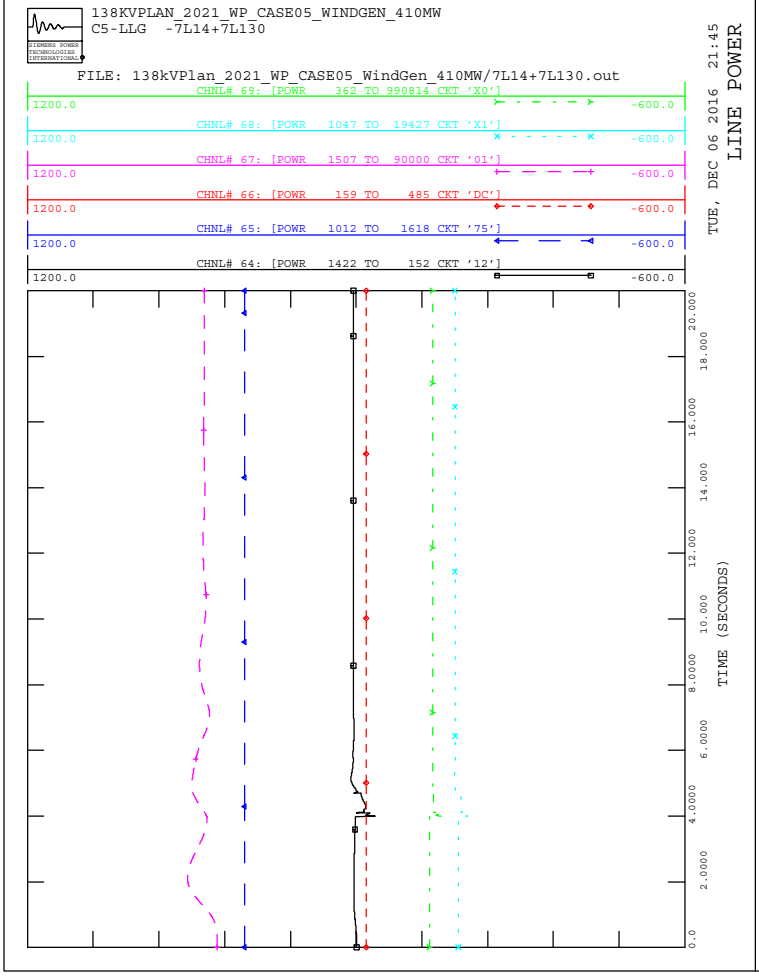
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L14+7L130
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14+7L130.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
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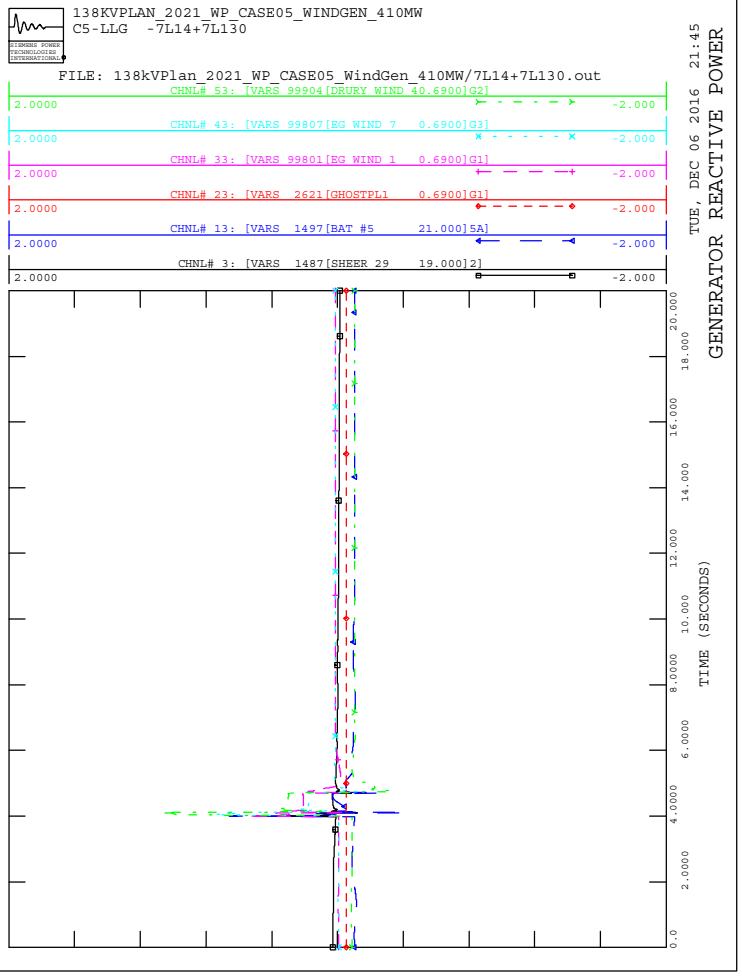
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L14+7L130
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L14+7L130.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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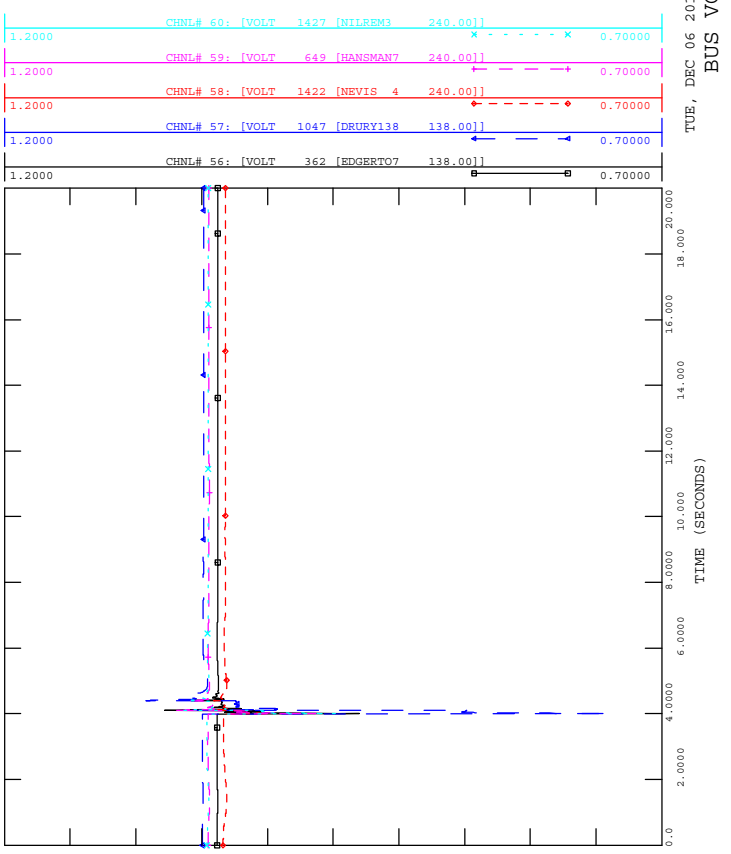
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L117+7L53

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117+7L53.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

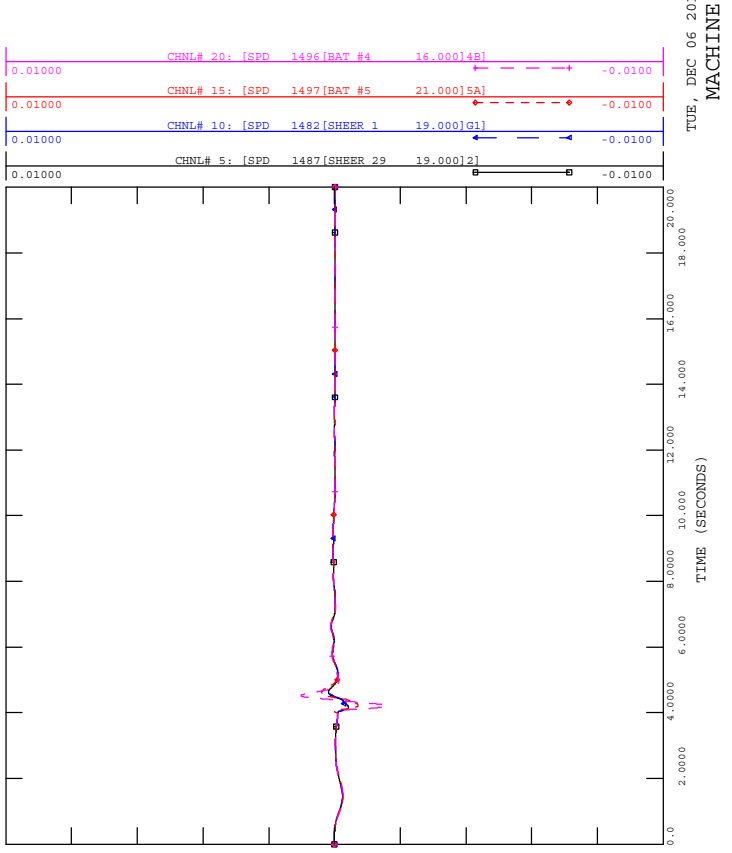


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L117+7L53

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117+7L53.out

TUE, DEC 06 2016 21:45

MACHINE SPEED

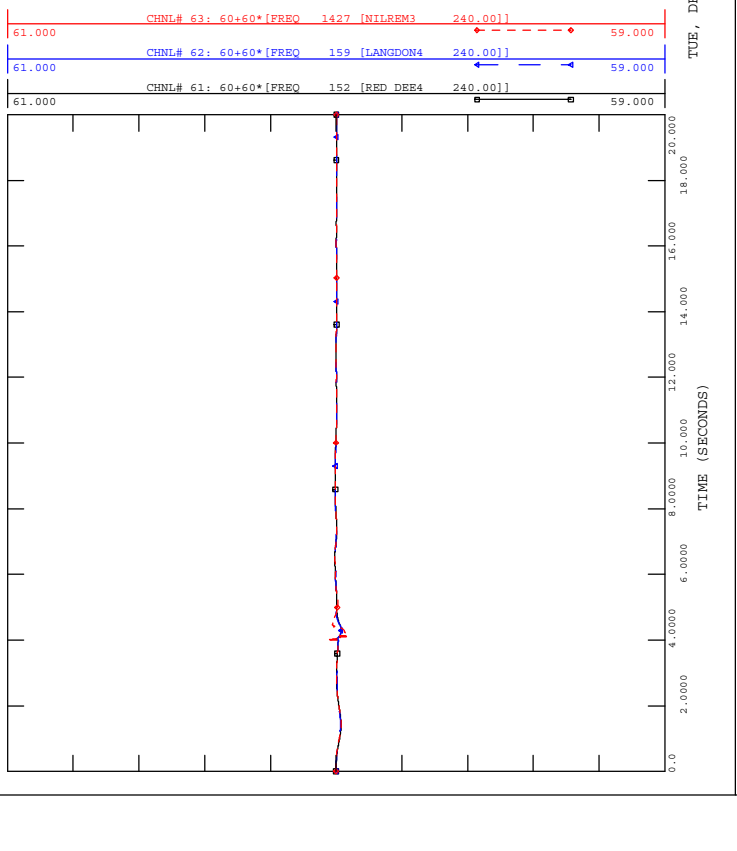


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L117+7L53

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117+7L53.out

TUE, DEC 06 2016 21:45

FREQUENCY

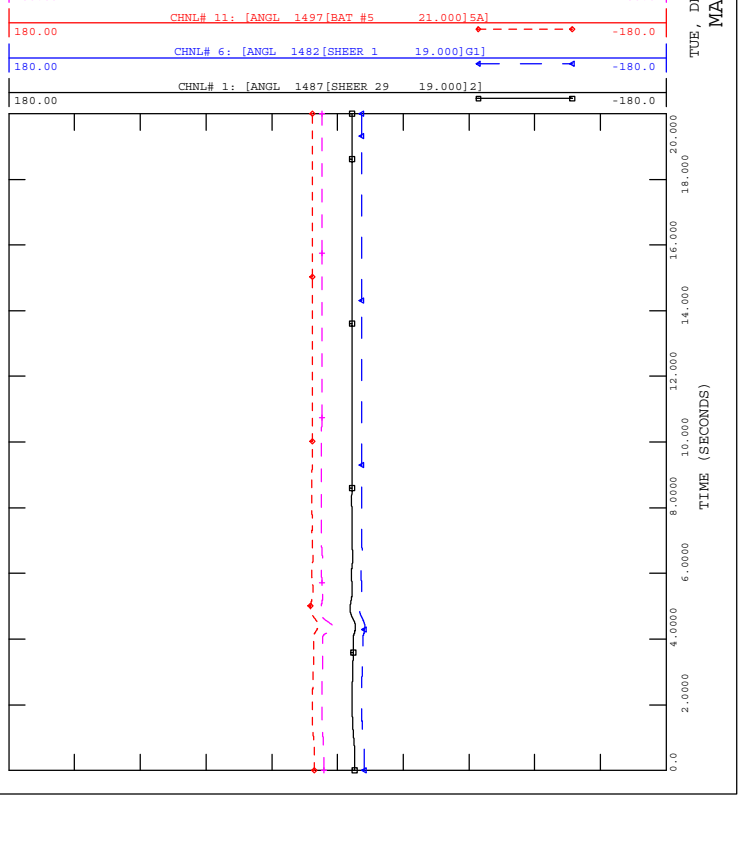


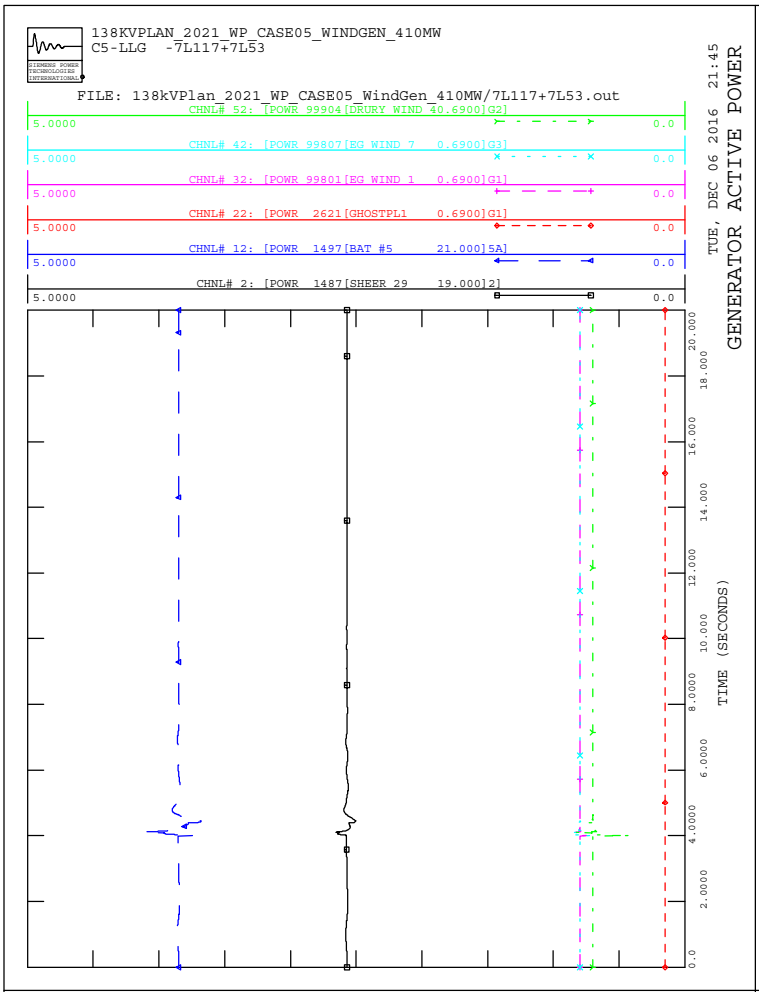
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L117+7L53

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117+7L53.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L117+7L53
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117+7L53.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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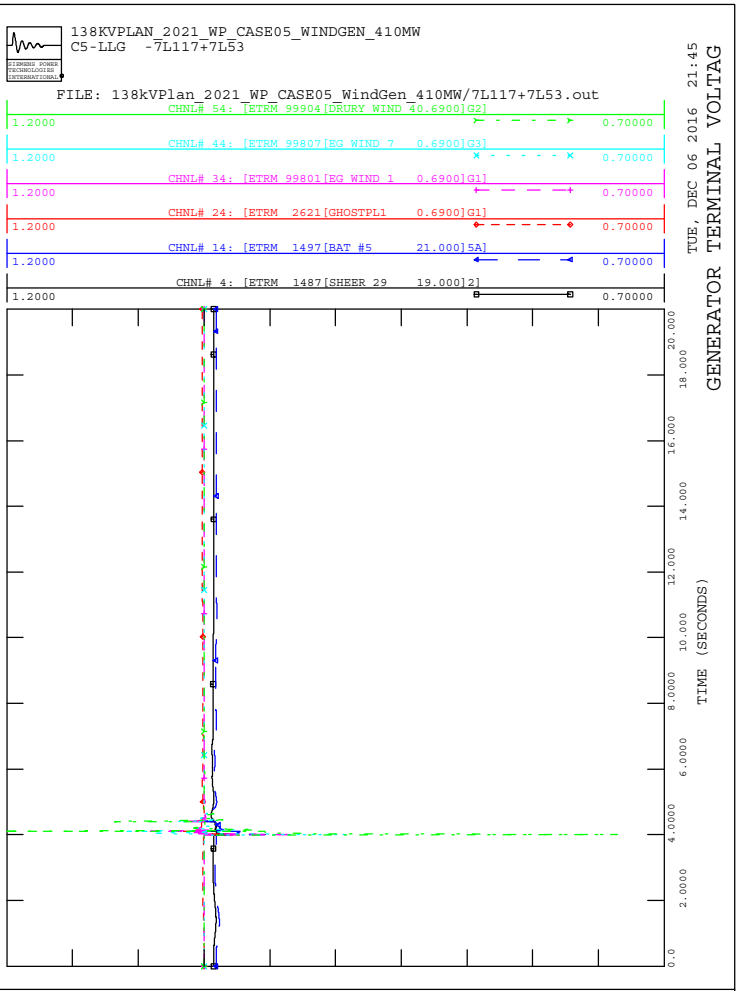
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L117+7L53
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117+7L53.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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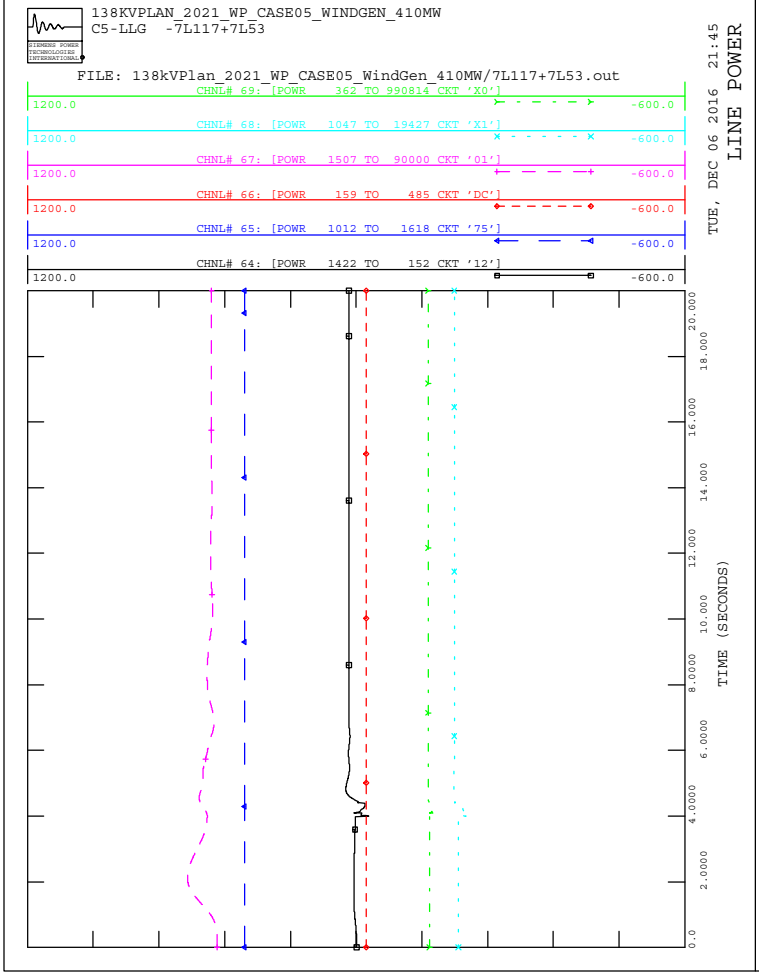
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L117+7L53
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117+7L53.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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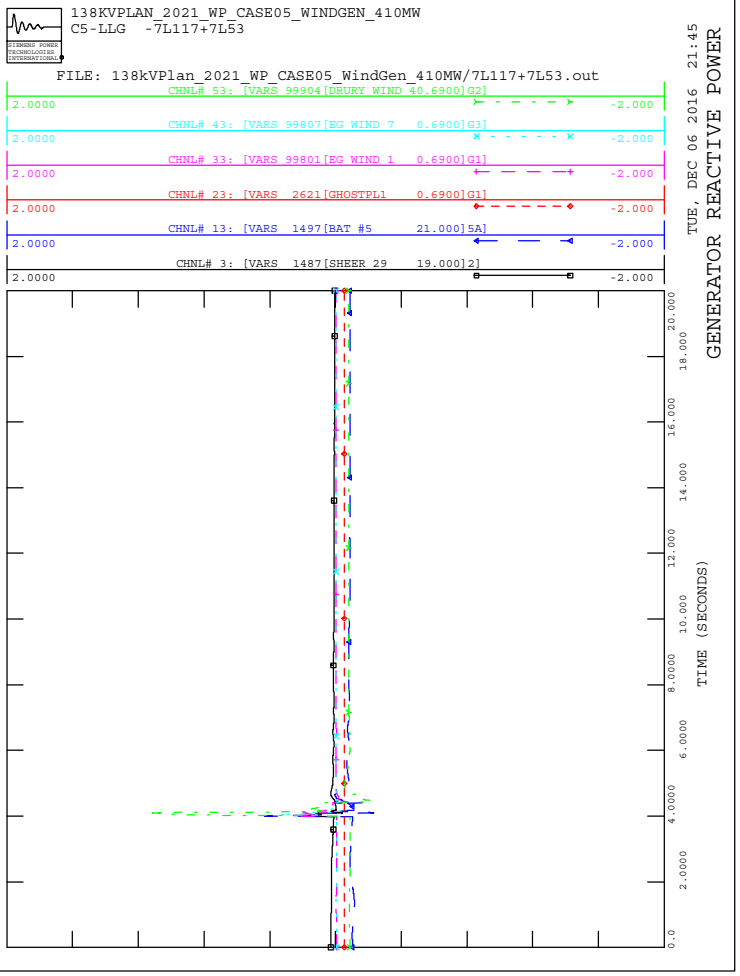
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L117+7L53
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117+7L53.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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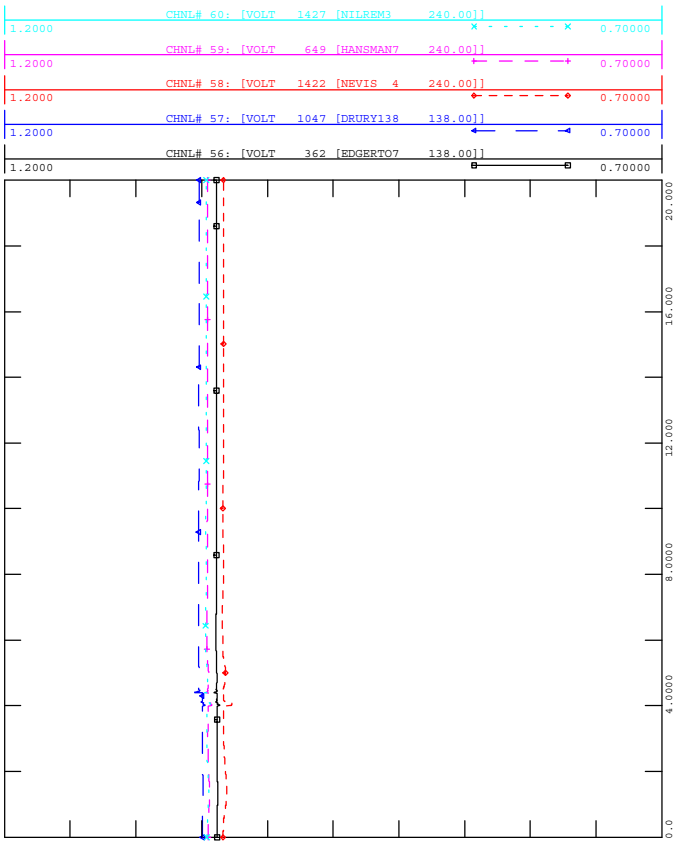
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L53+7L70

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L53+7L70.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

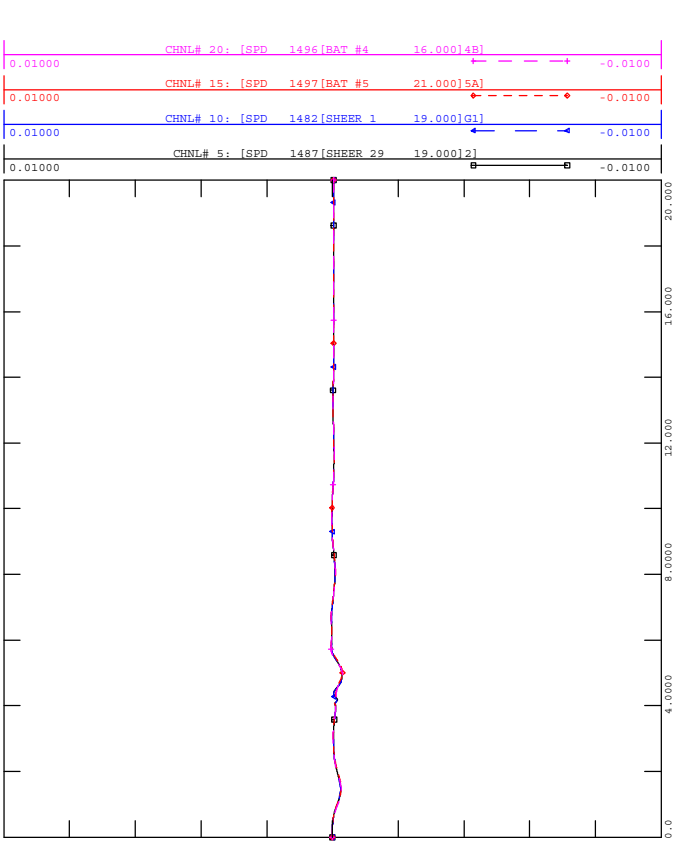


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L53+7L70

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L53+7L70.out

TUE, DEC 06 2016 21:45

MACHINE SPEED

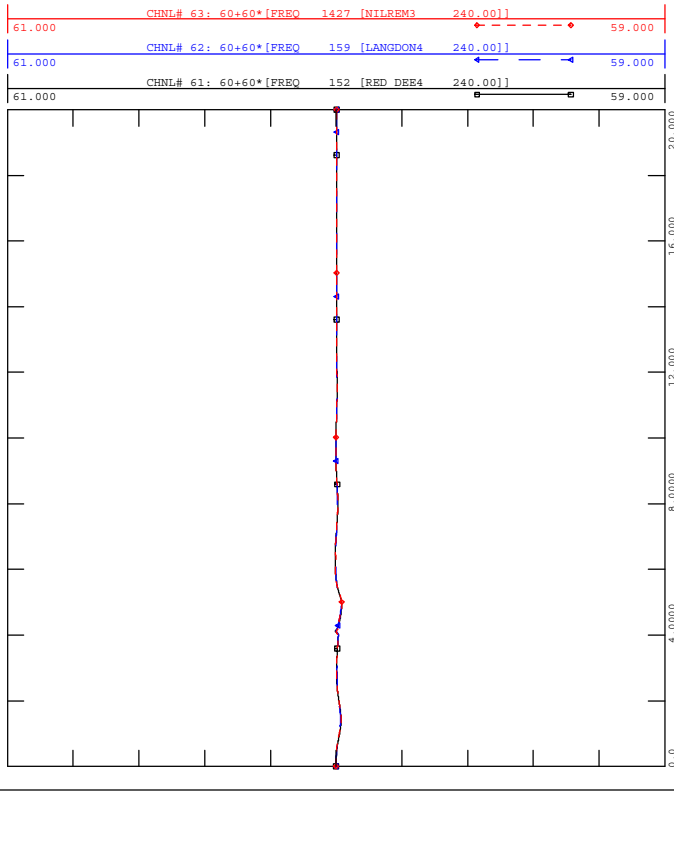


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L53+7L70

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L53+7L70.out

TUE, DEC 06 2016 21:45

FREQUENCY

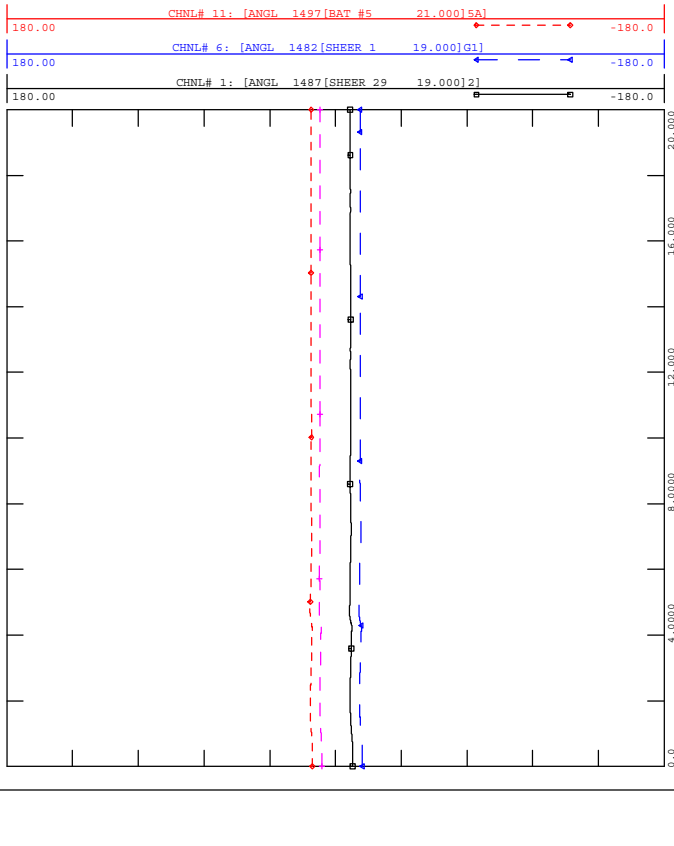


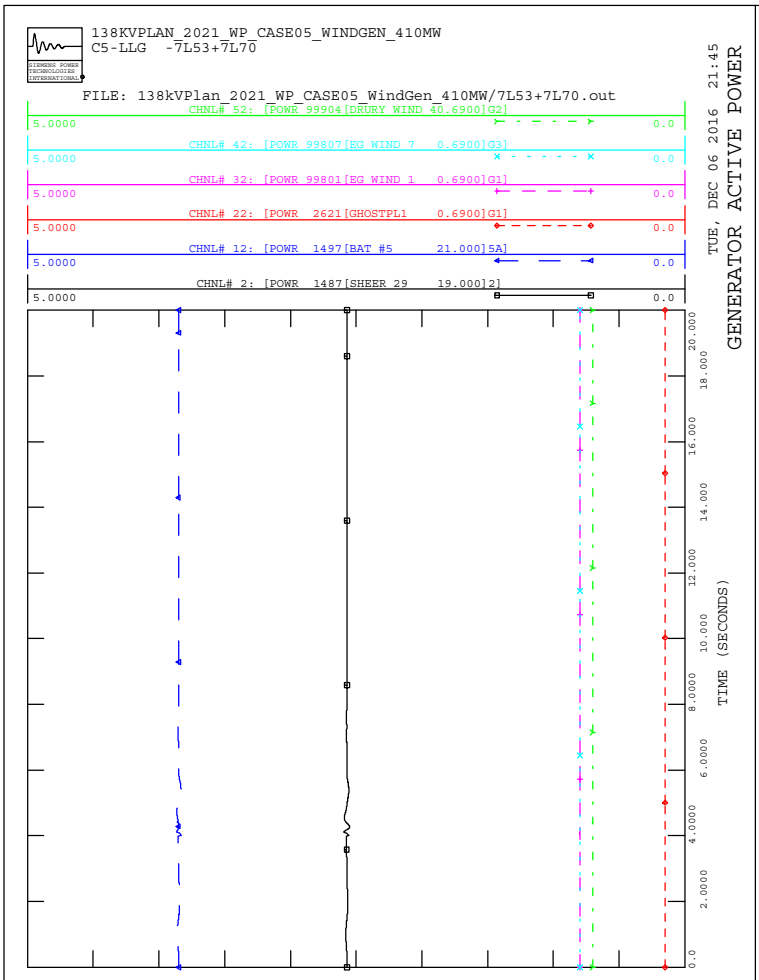
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L53+7L70

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L53+7L70.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L53+7L70
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L53+7L70.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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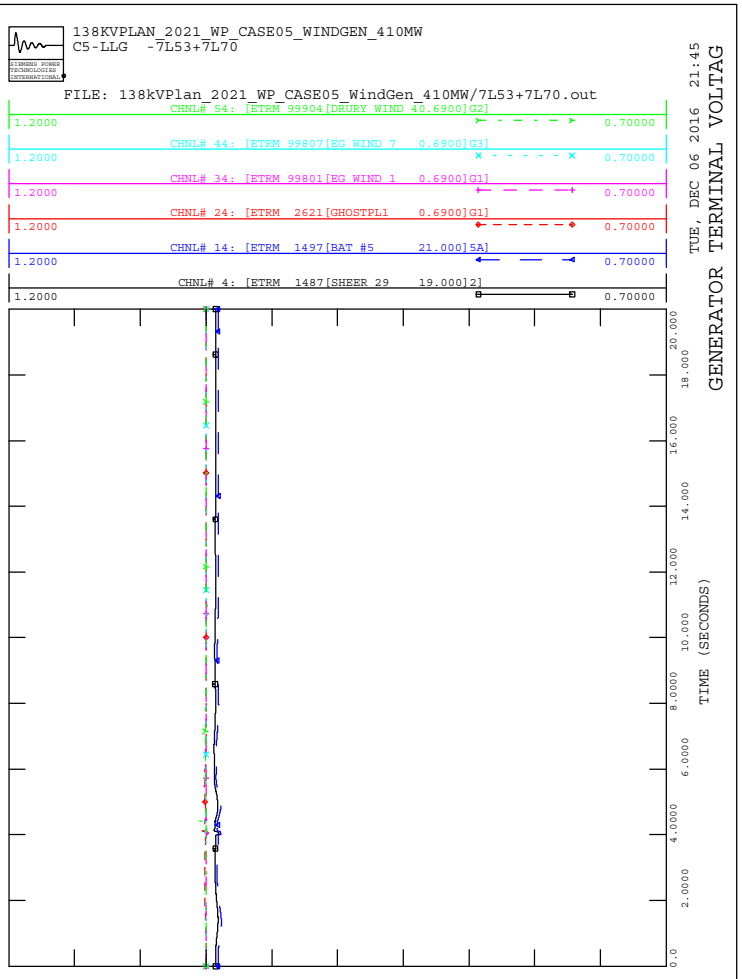
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L53+7L70
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L53+7L70.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
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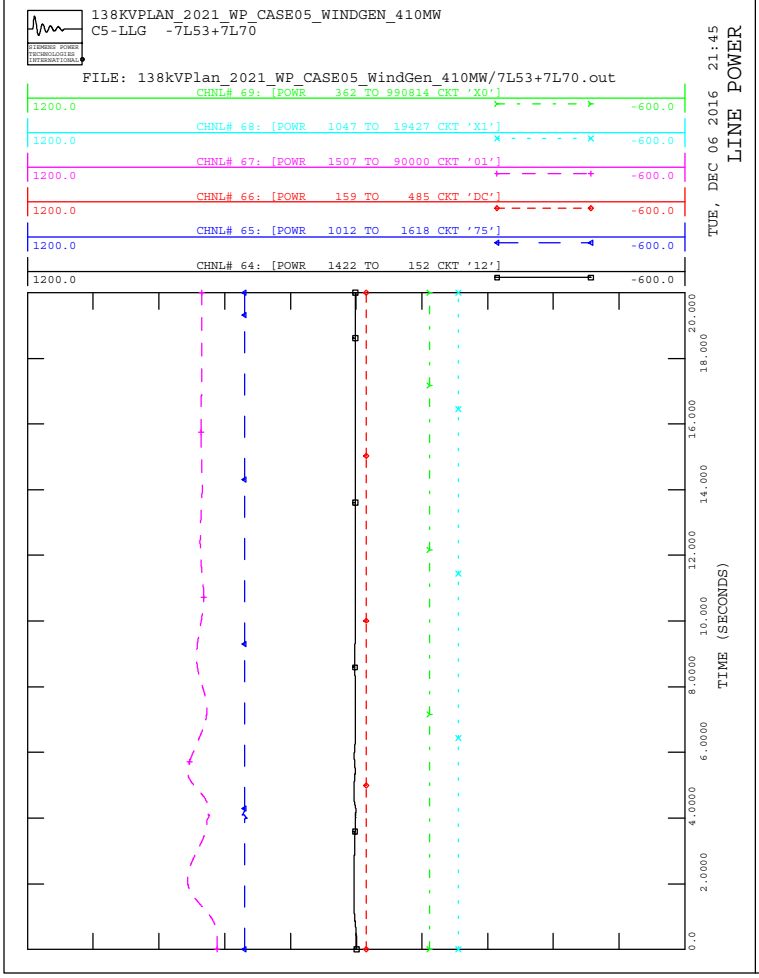
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L53+7L70
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L53+7L70.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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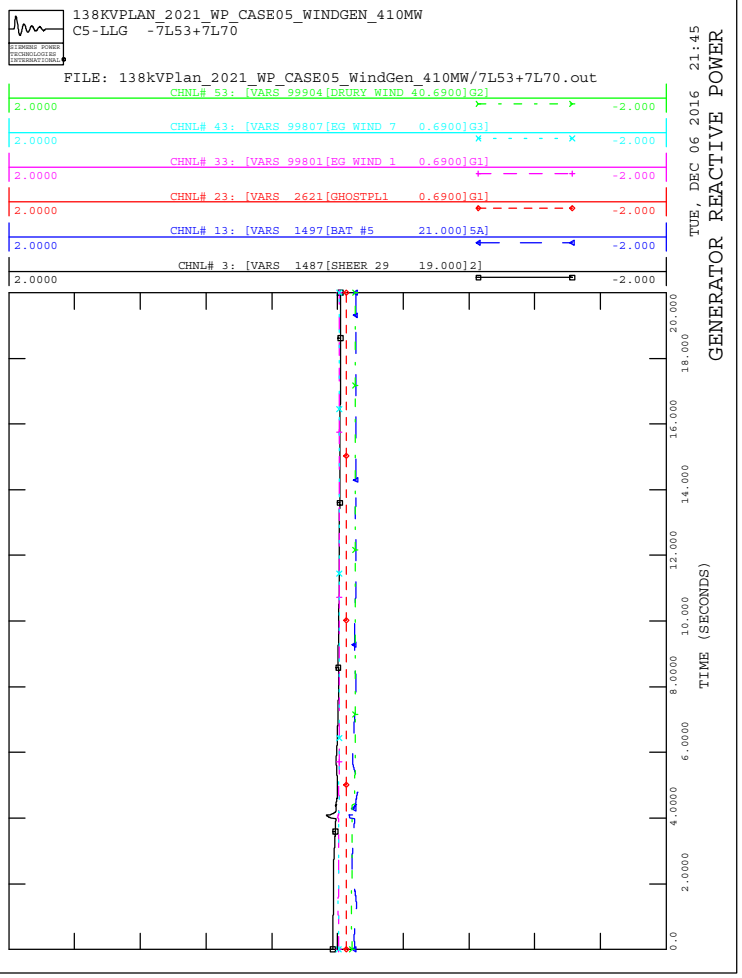
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L53+7L70
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L53+7L70.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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6.0000
8.0000
10.000
12.000
14.000
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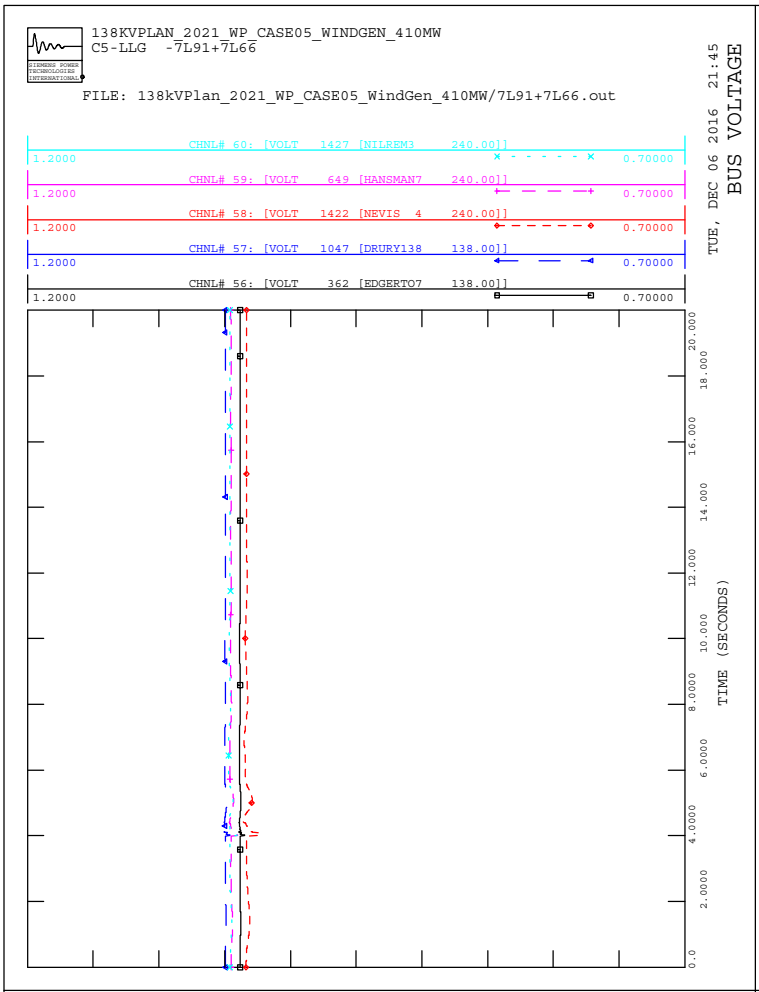
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L66
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L66.out
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TUE, DEC 06 2016 21:45
BUS VOLTAGE
TIME (SECONDS)
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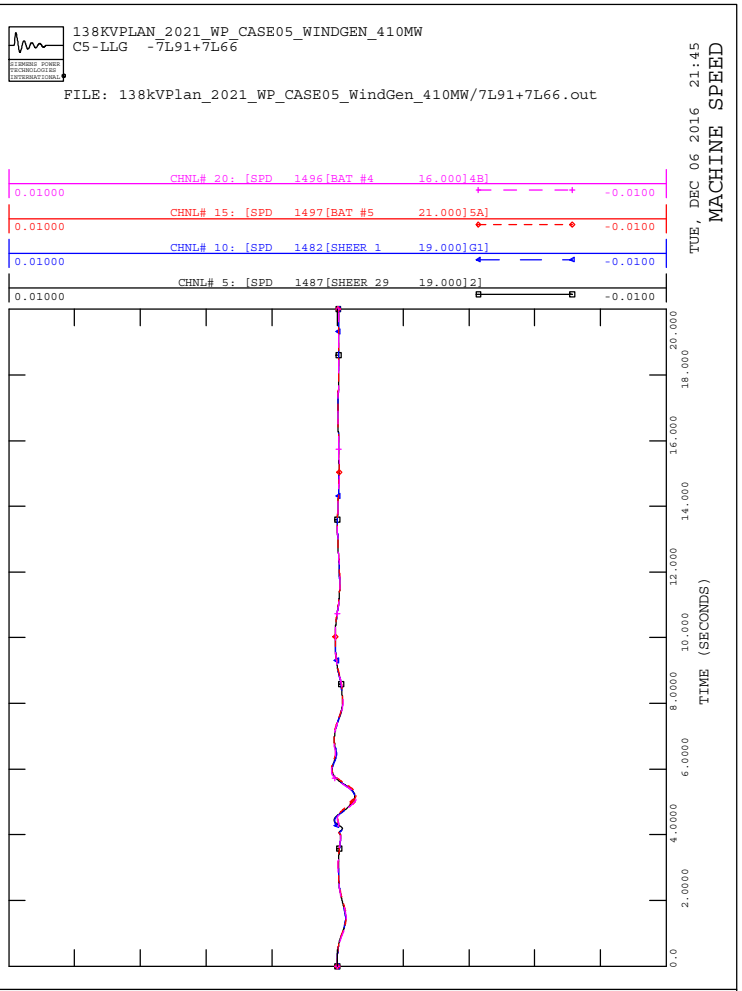
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L66
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L66.out
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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-0.0100
TUE, DEC 06 2016 21:45
MACHINE SPEED
TIME (SECONDS)
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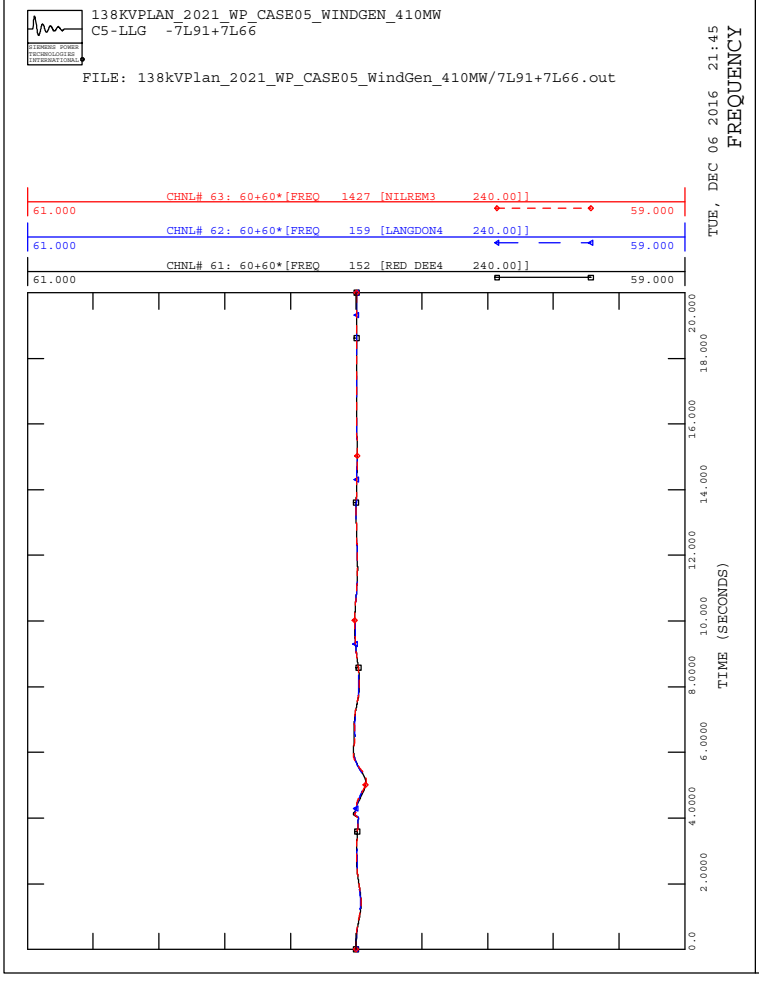
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L66
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L66.out
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TUE, DEC 06 2016 21:45
FREQUENCY
TIME (SECONDS)
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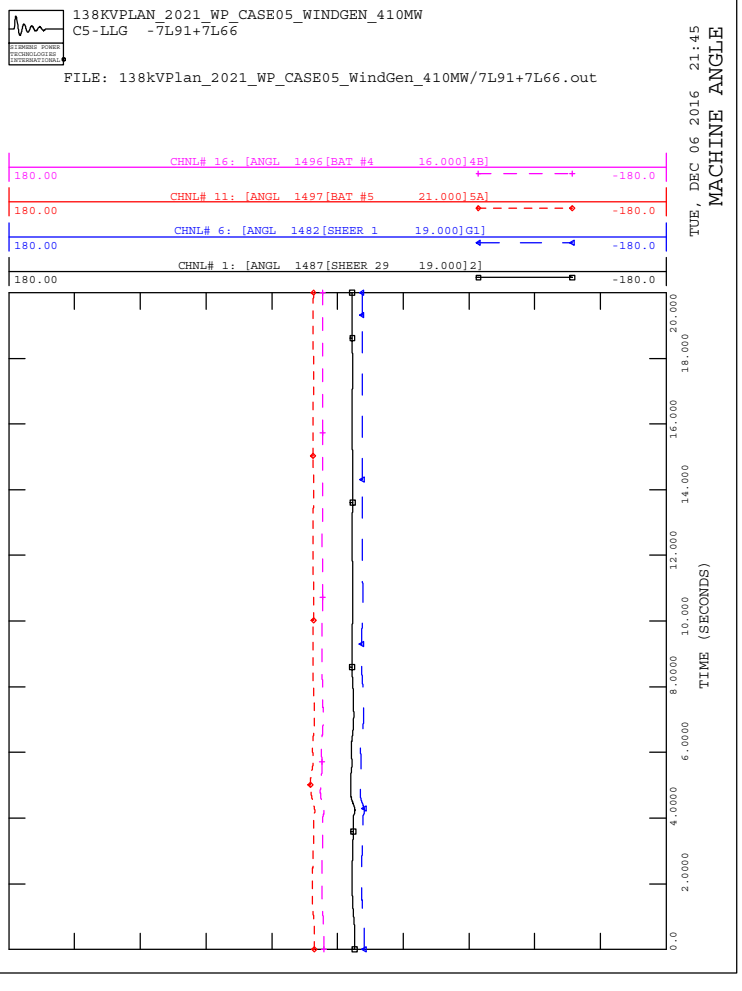
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L66
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L66.out
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TUE, DEC 06 2016 21:45
MACHINE ANGLE
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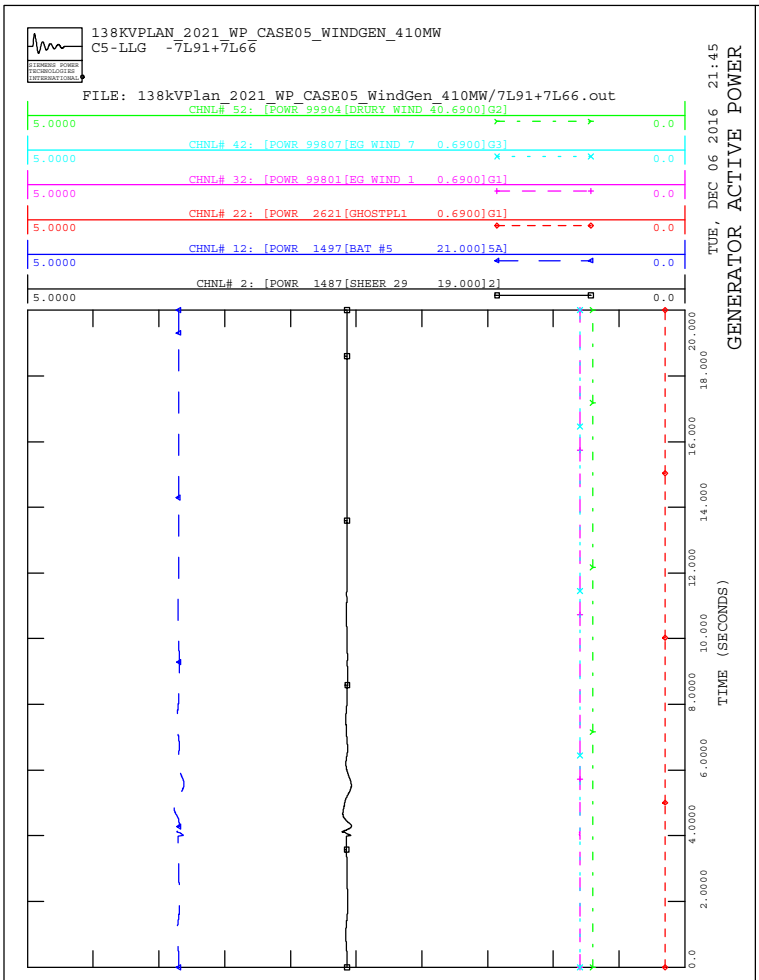
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L66
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L66.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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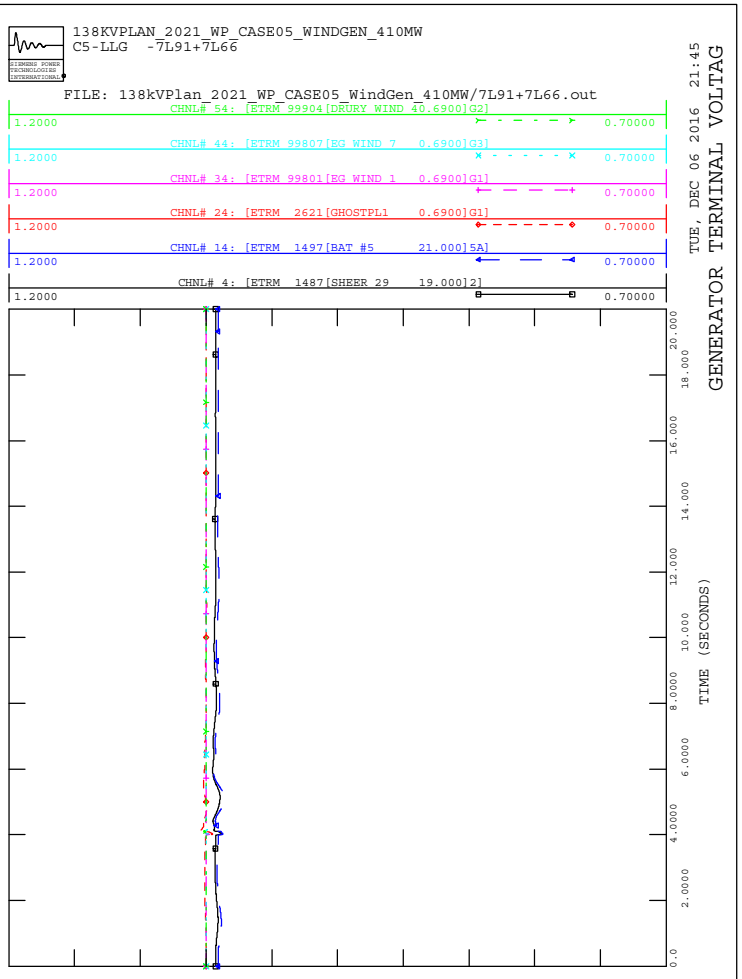
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L66
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L66.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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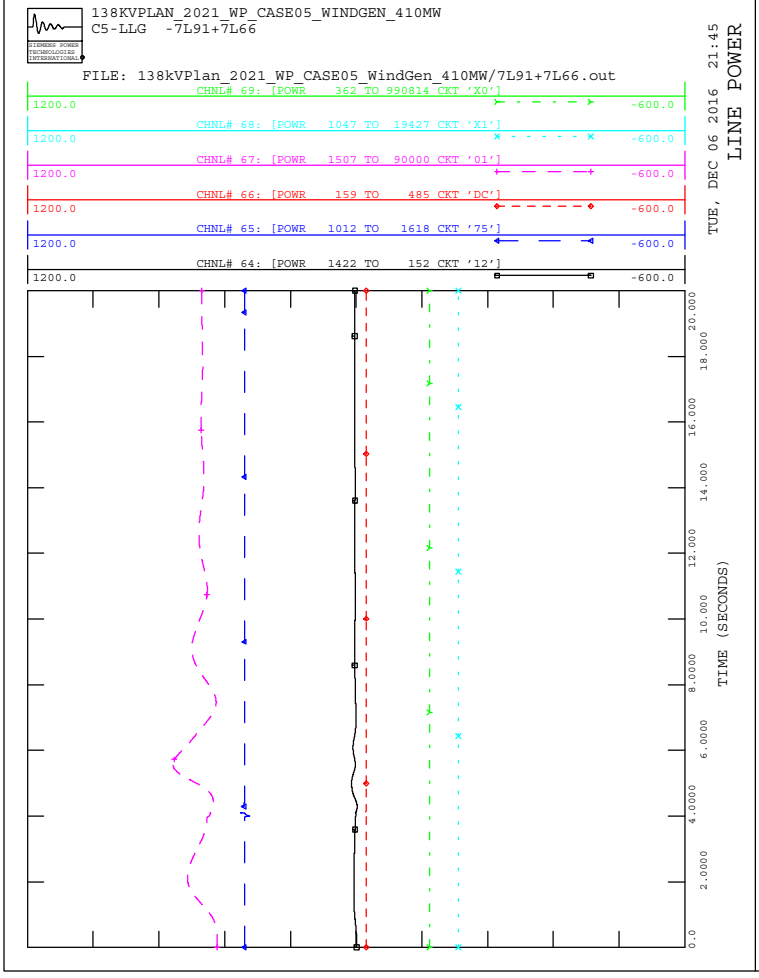
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L66
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L66.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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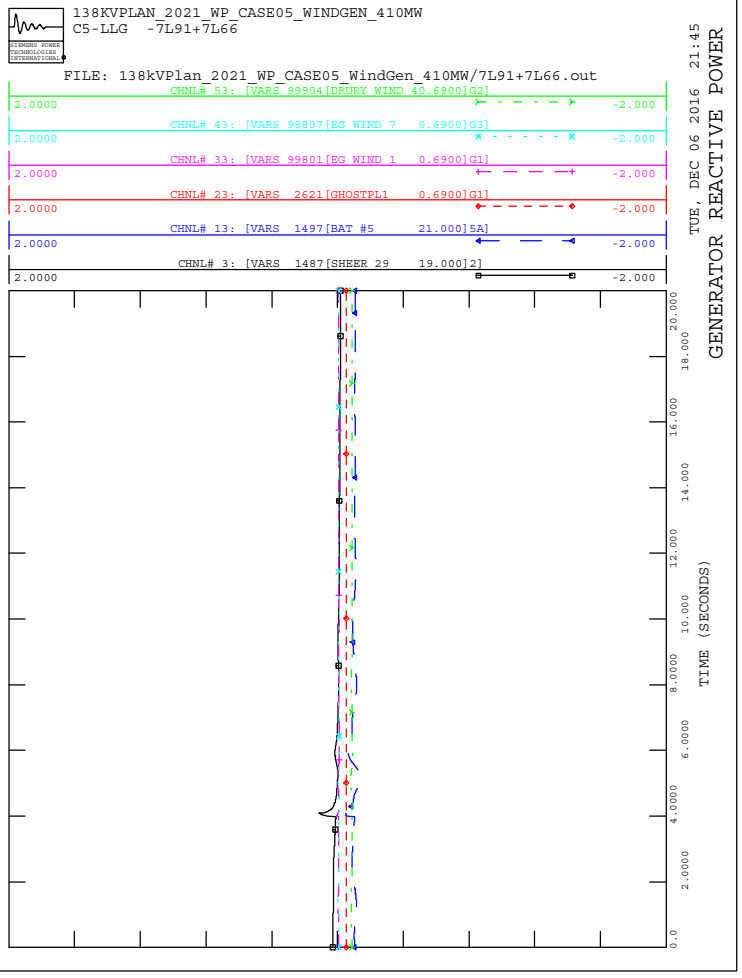
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L66
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L66.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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12.000
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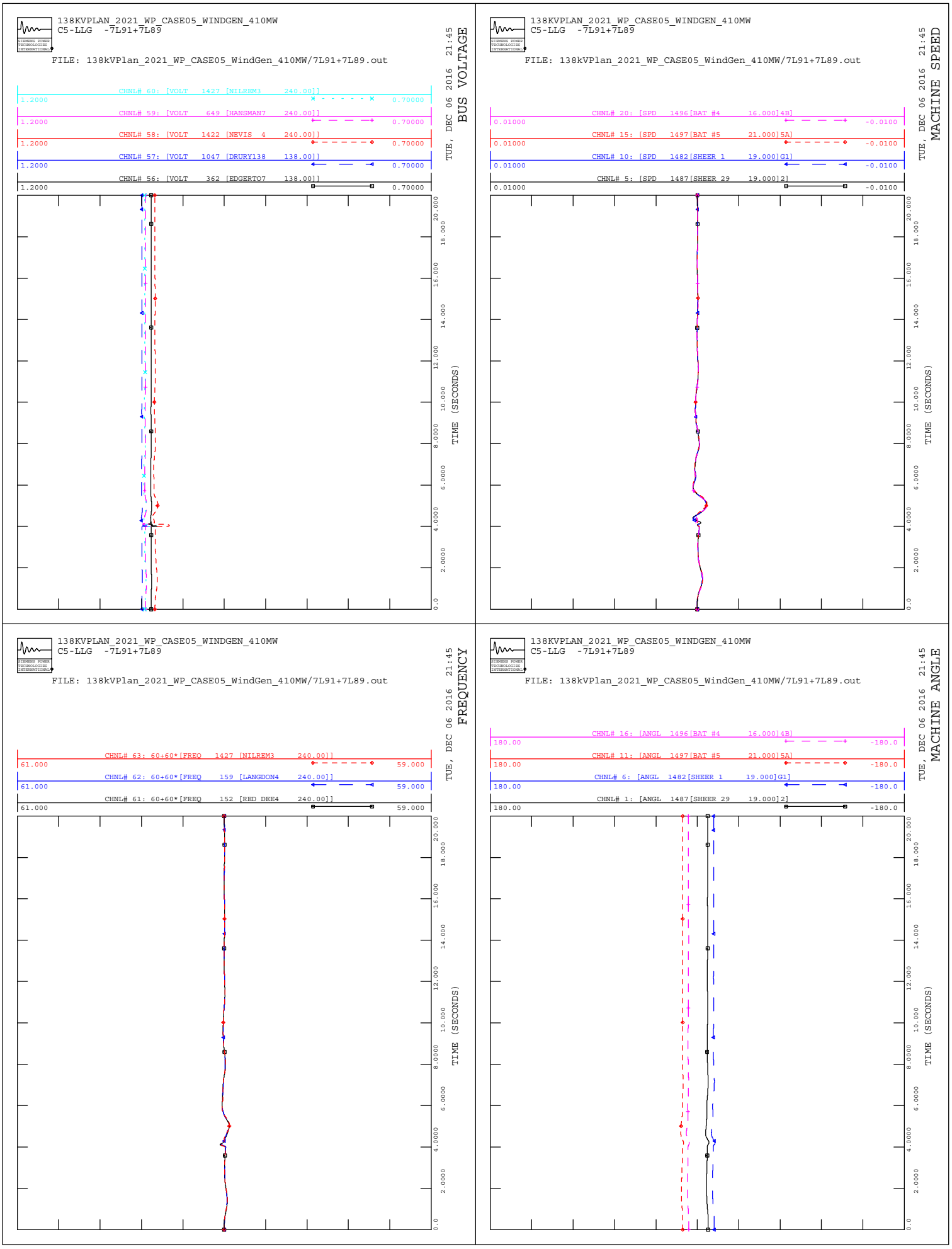
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L89
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L89.out
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TUE, DEC 06 2016 21:45
BUS VOLTAGE
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L89
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L89.out
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TUE, DEC 06 2016 21:45
MACHINE SPEED
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L89
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L89.out
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TUE, DEC 06 2016 21:45
FREQUENCY
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L89
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L89.out
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TUE, DEC 06 2016 21:45
MACHINE ANGLE
TIME (SECONDS)
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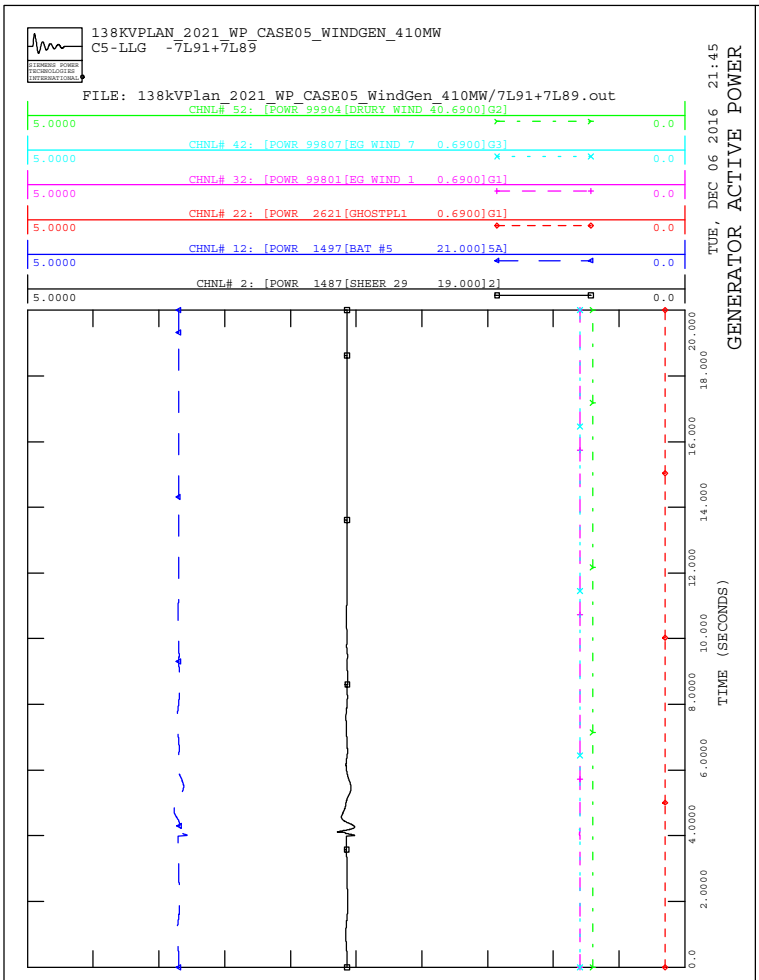
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L89
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L89.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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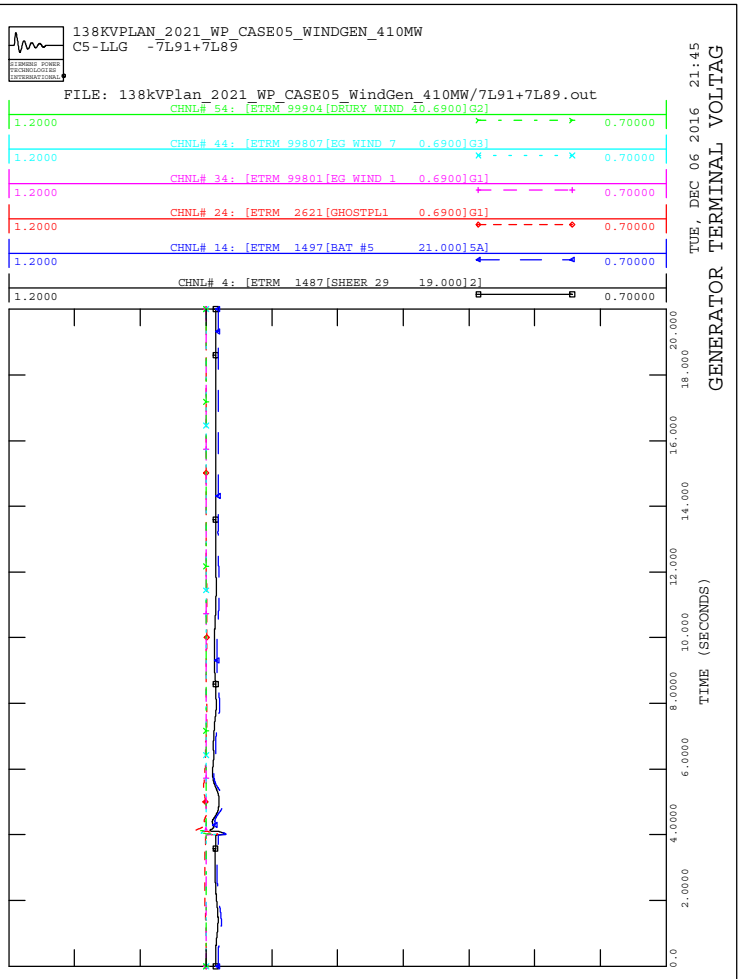
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L89
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L89.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
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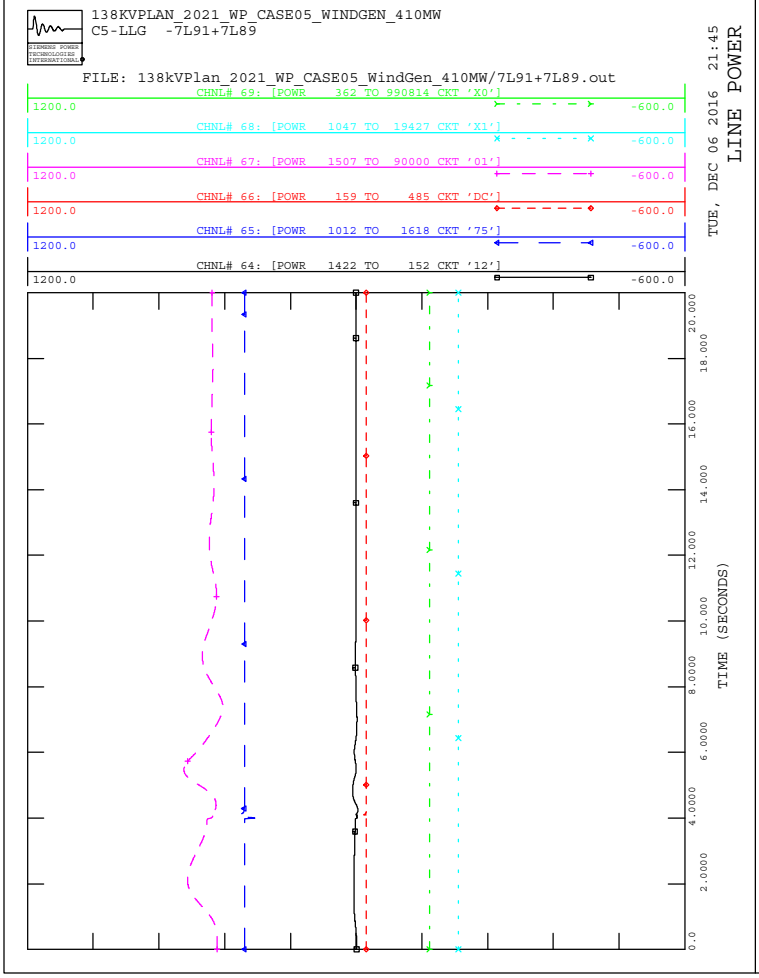
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L89
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L89.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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4.0000
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12.000
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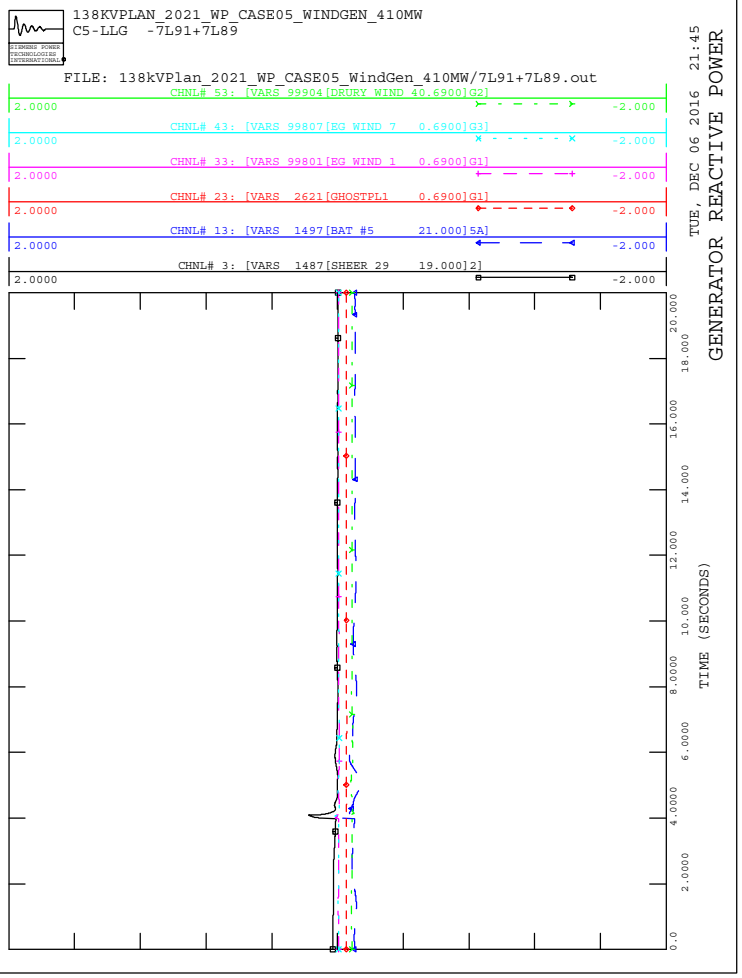
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L91+7L89
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L91+7L89.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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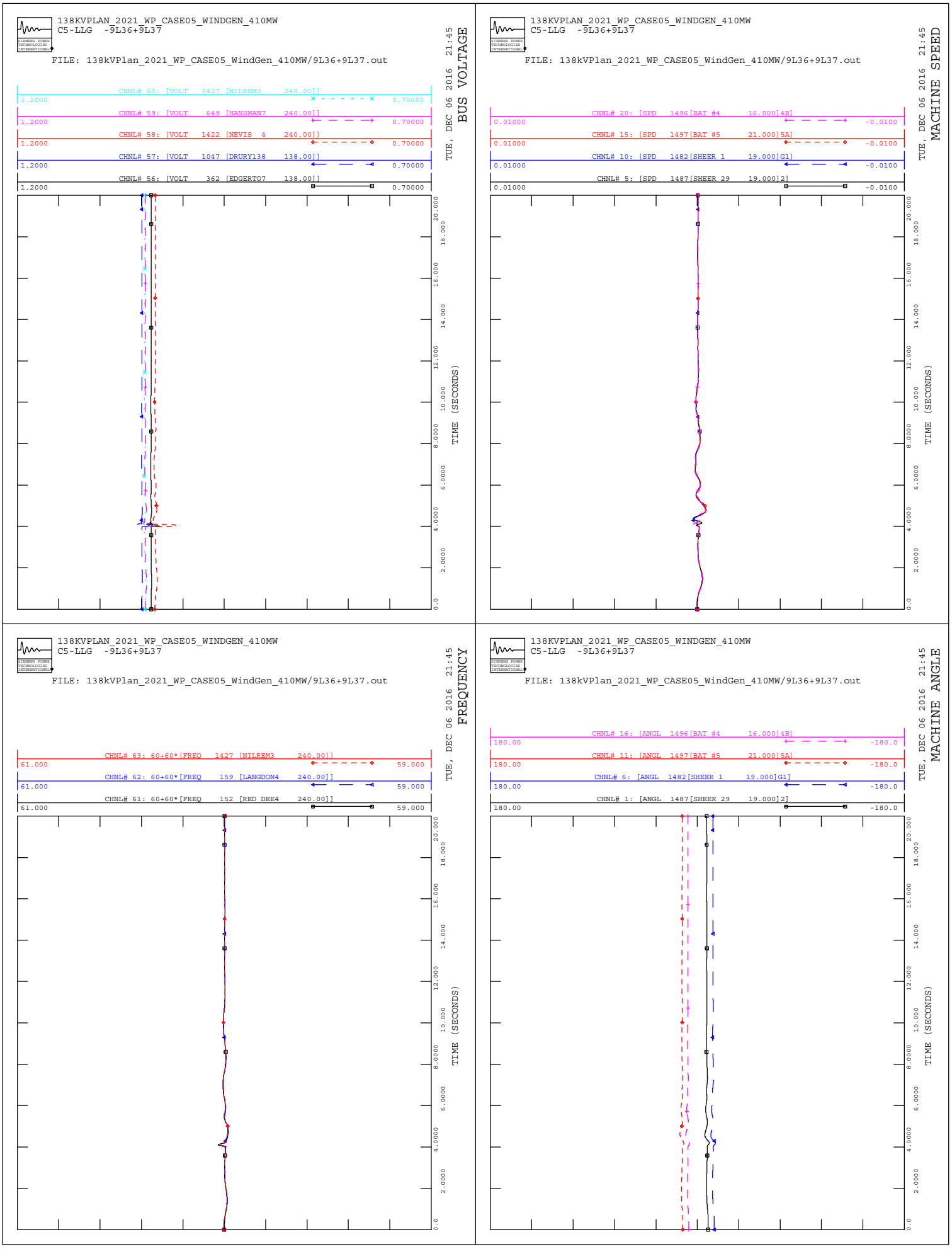
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36+9L37.out
TUE, DEC 06 2016 21:45
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
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4.0000
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14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36+9L37.out
TUE, DEC 06 2016 21:45
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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4.0000
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8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36+9L37.out
TUE, DEC 06 2016 21:45
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36+9L37.out
TUE, DEC 06 2016 21:45
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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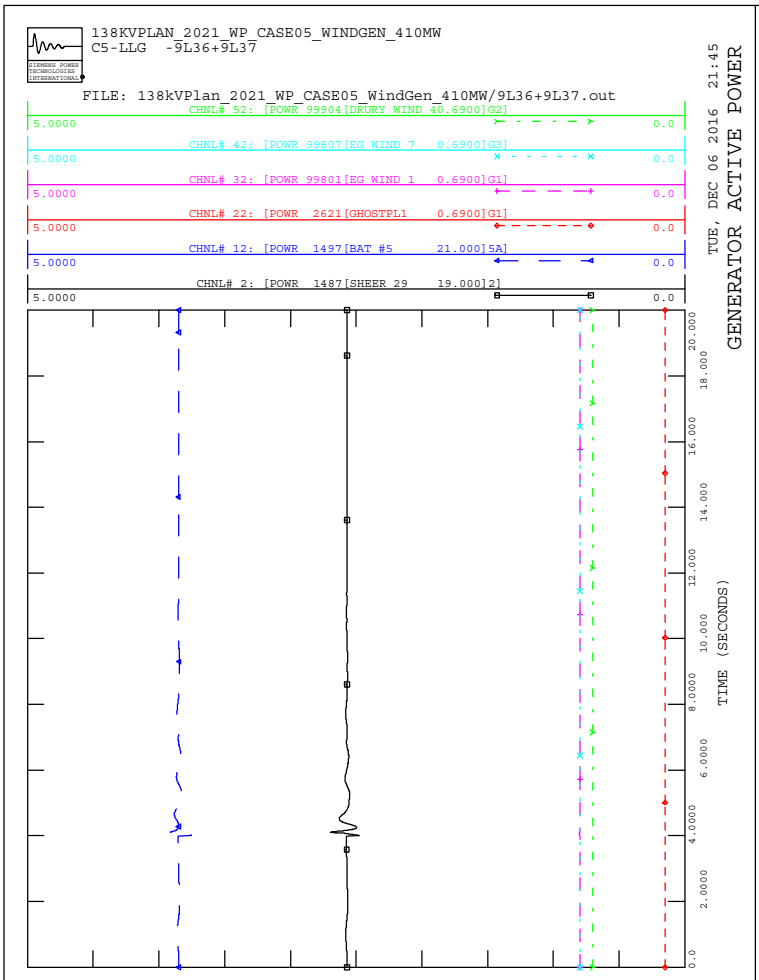
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36+9L37.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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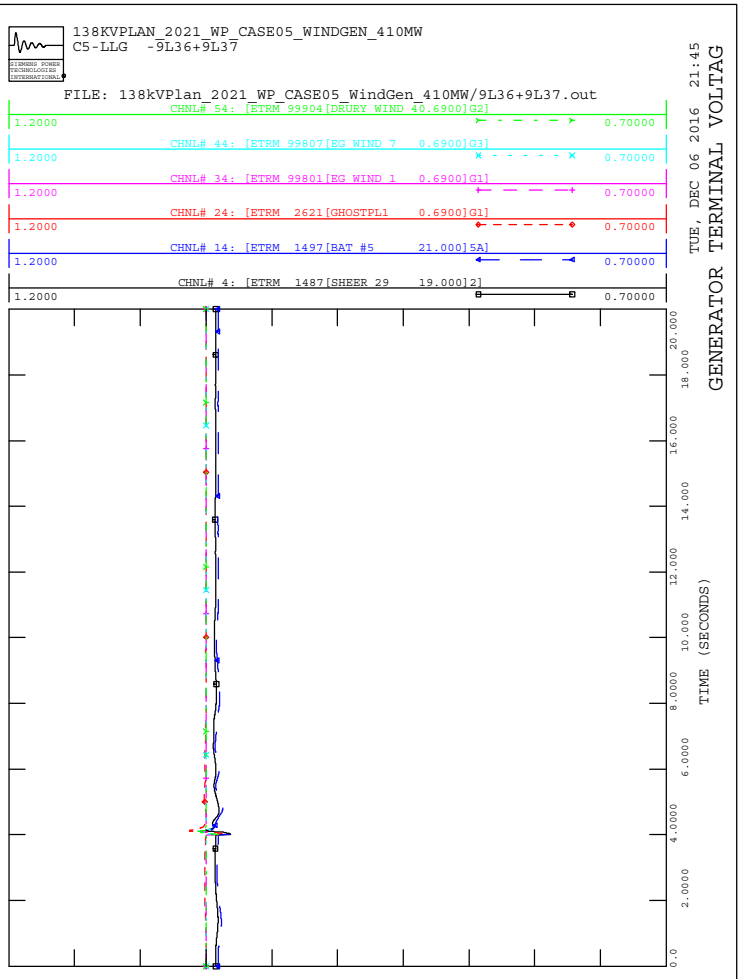
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36+9L37.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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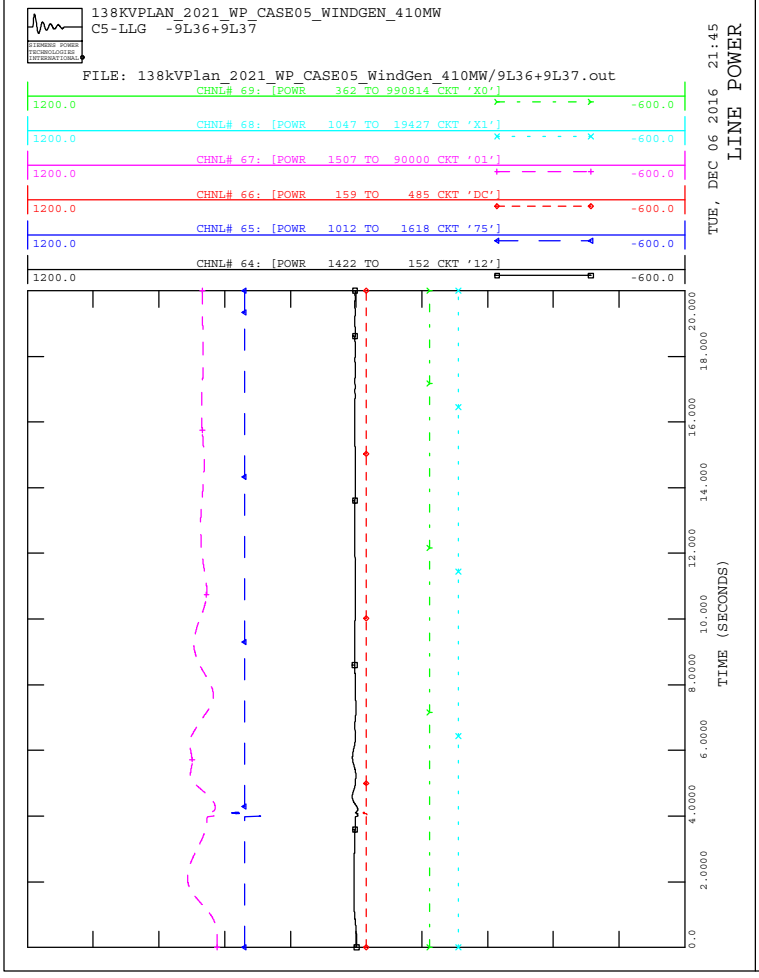
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36+9L37.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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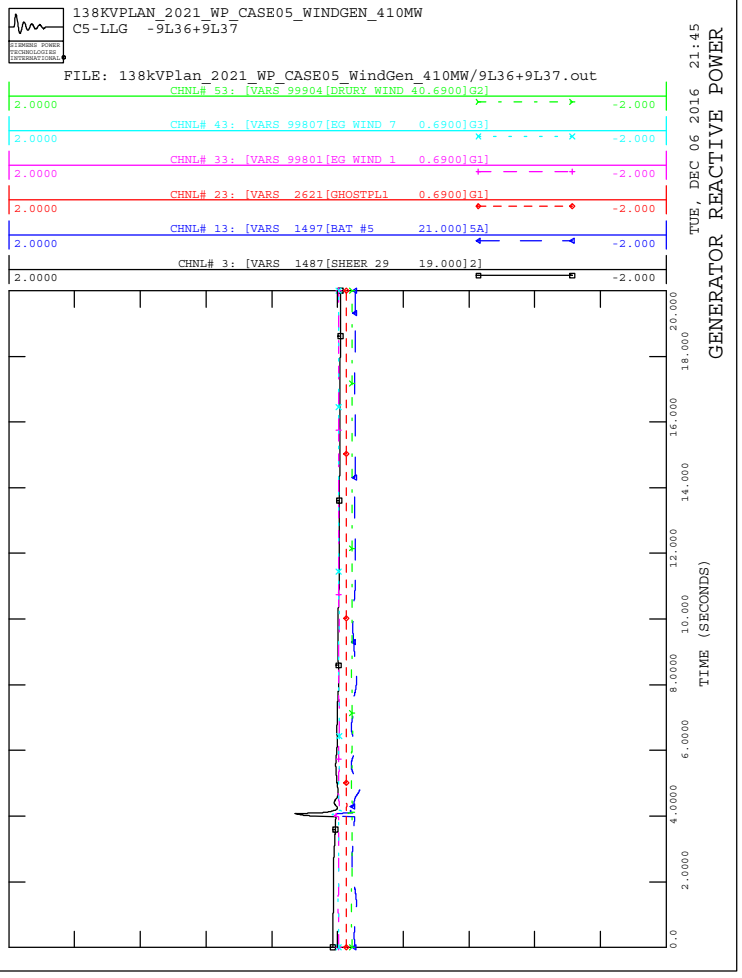
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C5-LLG -9L36+9L37
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36+9L37.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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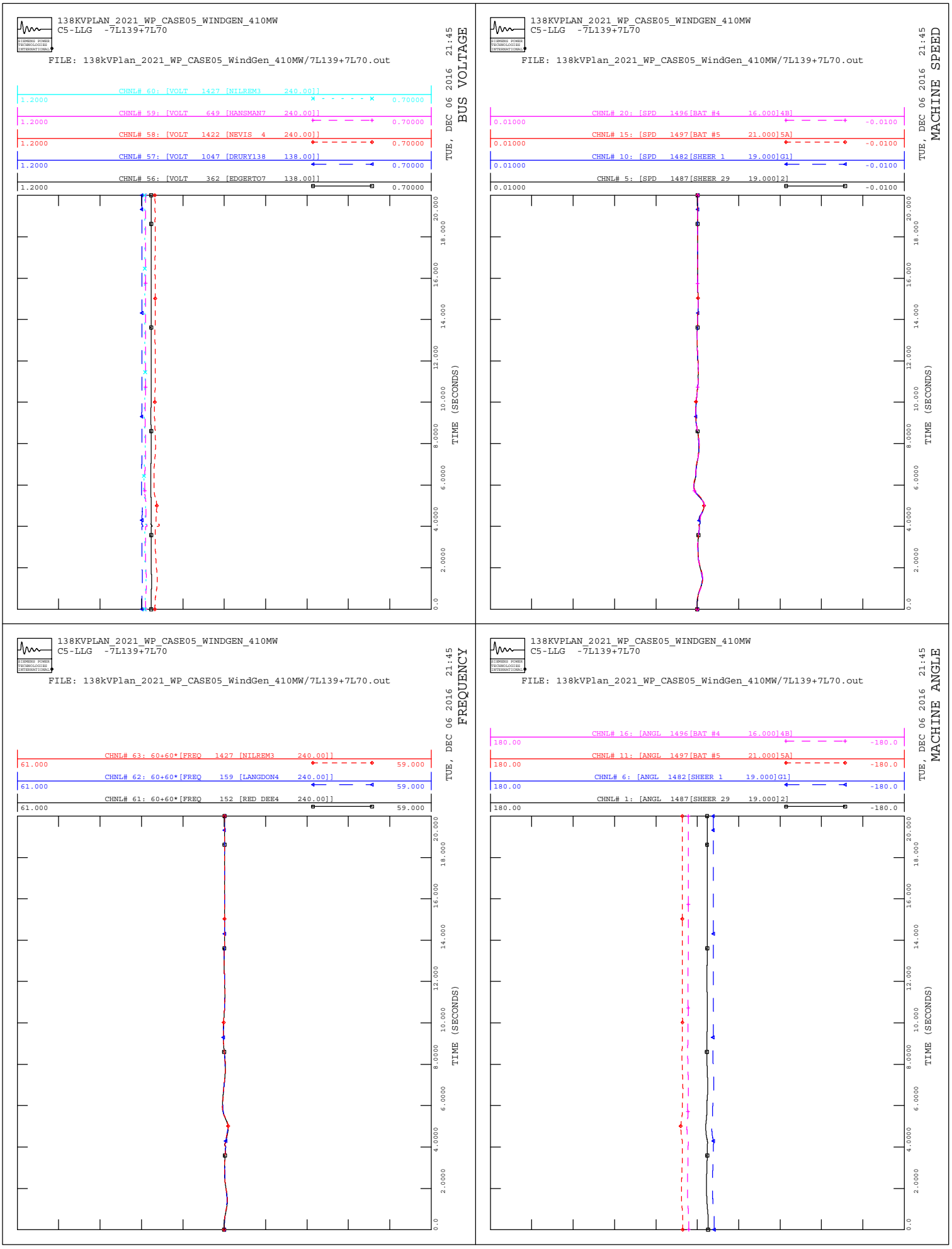
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L139+7L70
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L139+7L70.out
TUE, DEC 06 2016 21:45
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L139+7L70
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L139+7L70.out
TUE, DEC 06 2016 21:45
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L139+7L70
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L139+7L70.out
TUE, DEC 06 2016 21:45
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
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59.000
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L139+7L70
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L139+7L70.out
TUE, DEC 06 2016 21:45
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
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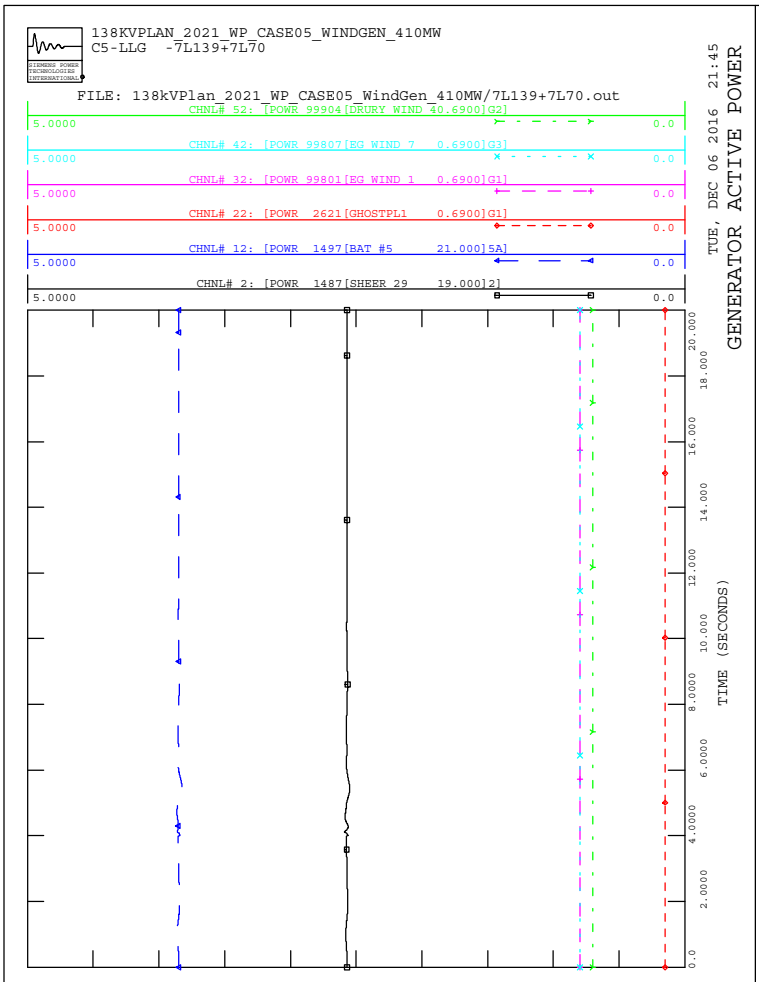
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L139+7L70
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L139+7L70.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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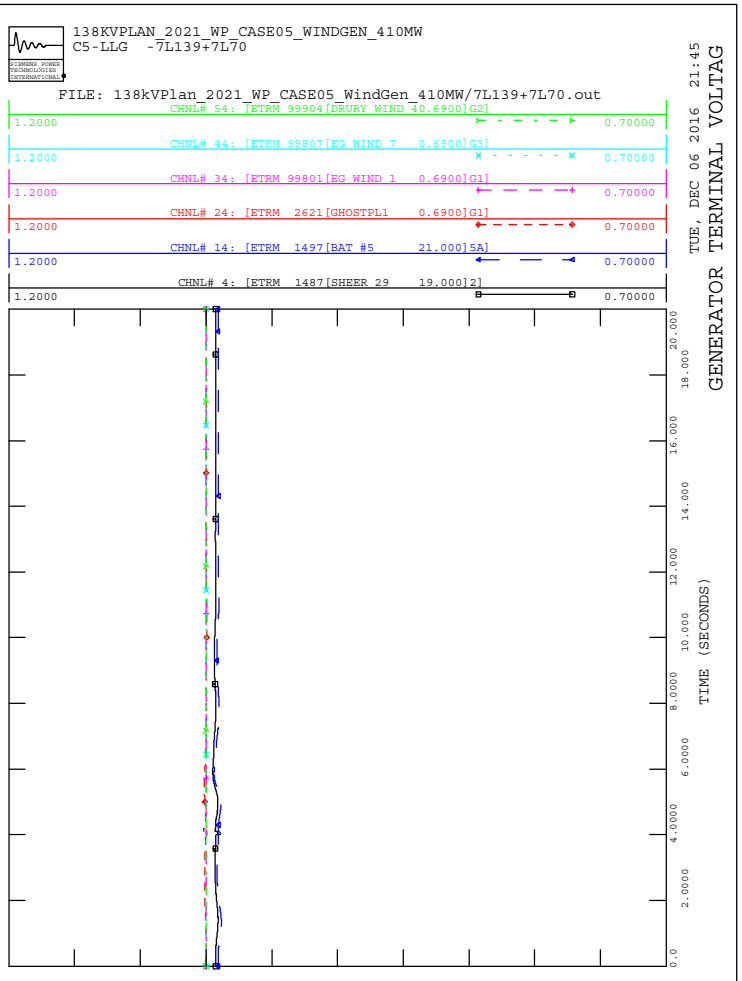
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L139+7L70
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L139+7L70.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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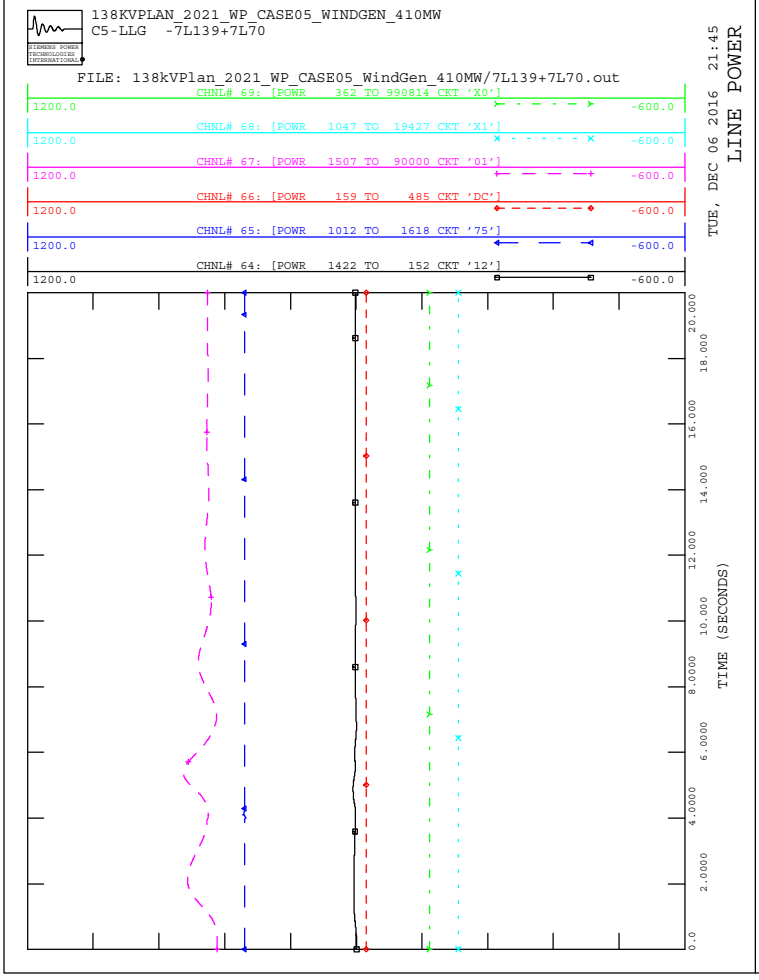
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L139+7L70
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L139+7L70.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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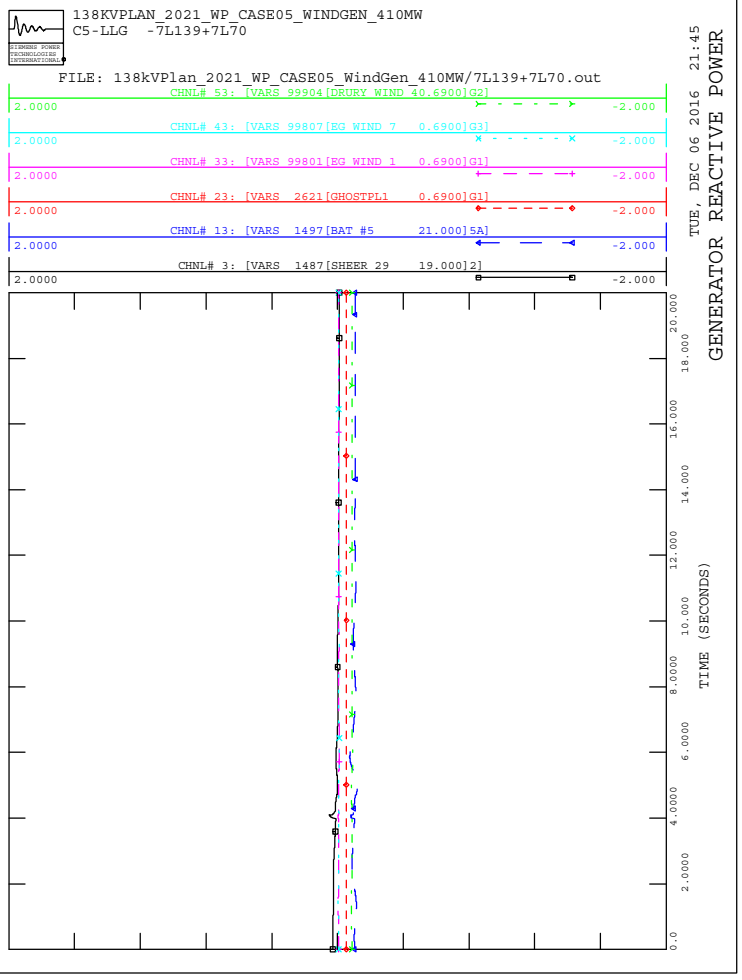
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L139+7L70
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L139+7L70.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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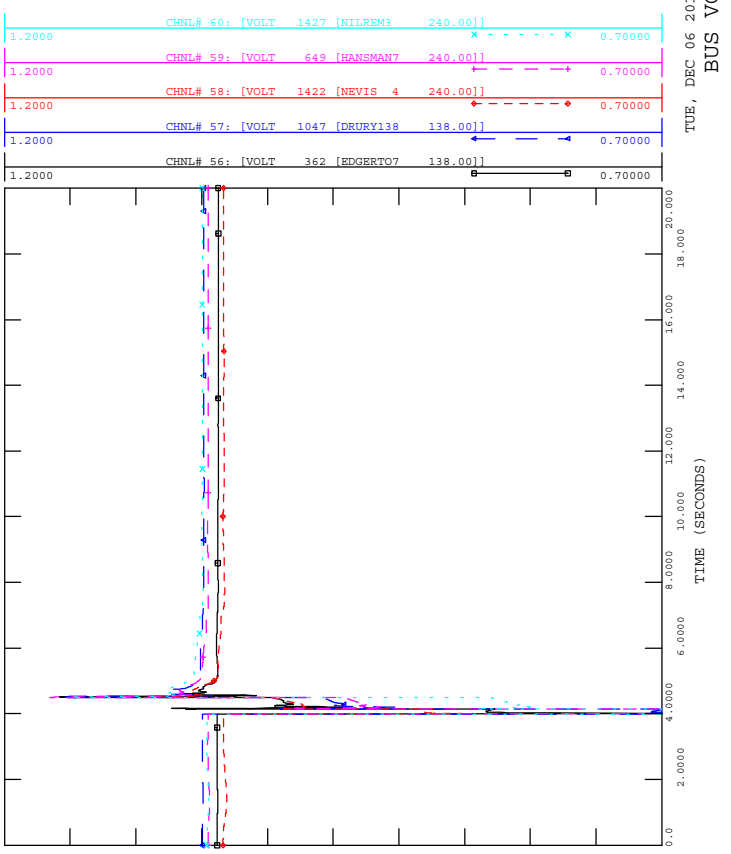
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -679L+680L

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/679L+680L.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

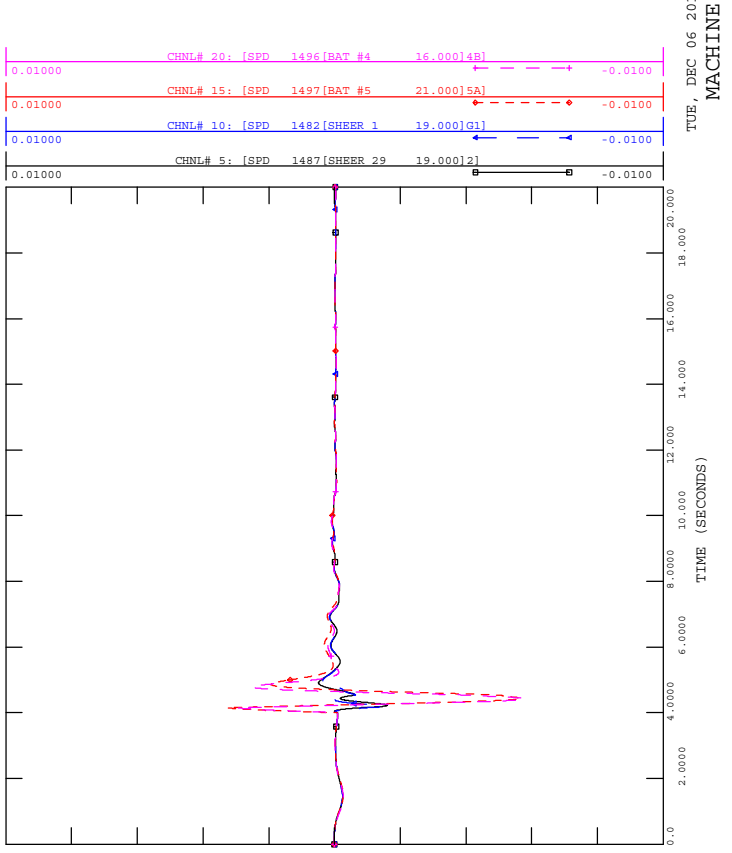


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -679L+680L

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/679L+680L.out

TUE, DEC 06 2016 21:45

MACHINE SPEED

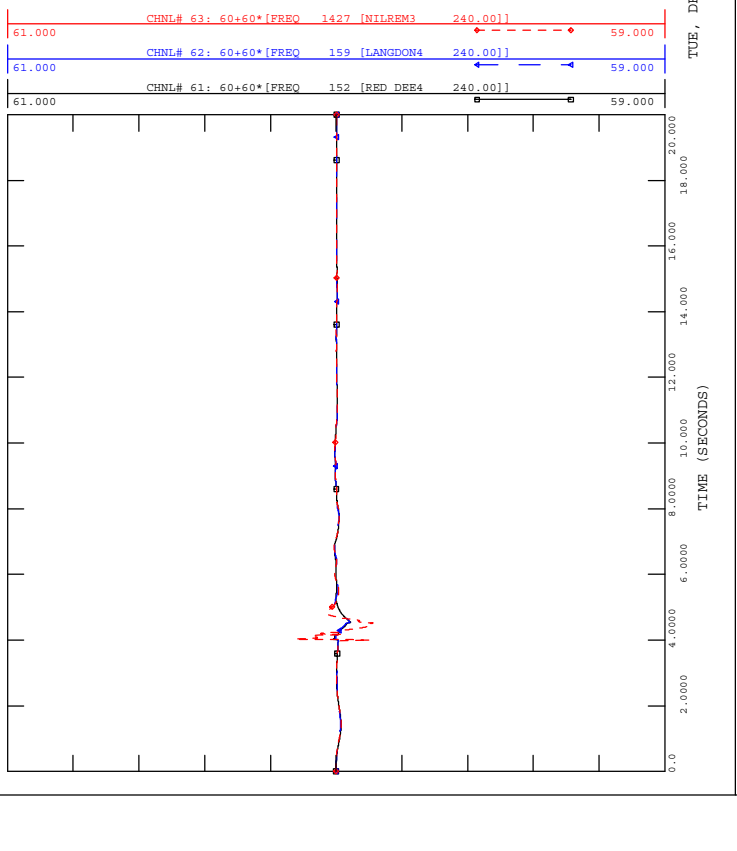


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -679L+680L

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/679L+680L.out

TUE, DEC 06 2016 21:45

FREQUENCY



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -679L+680L

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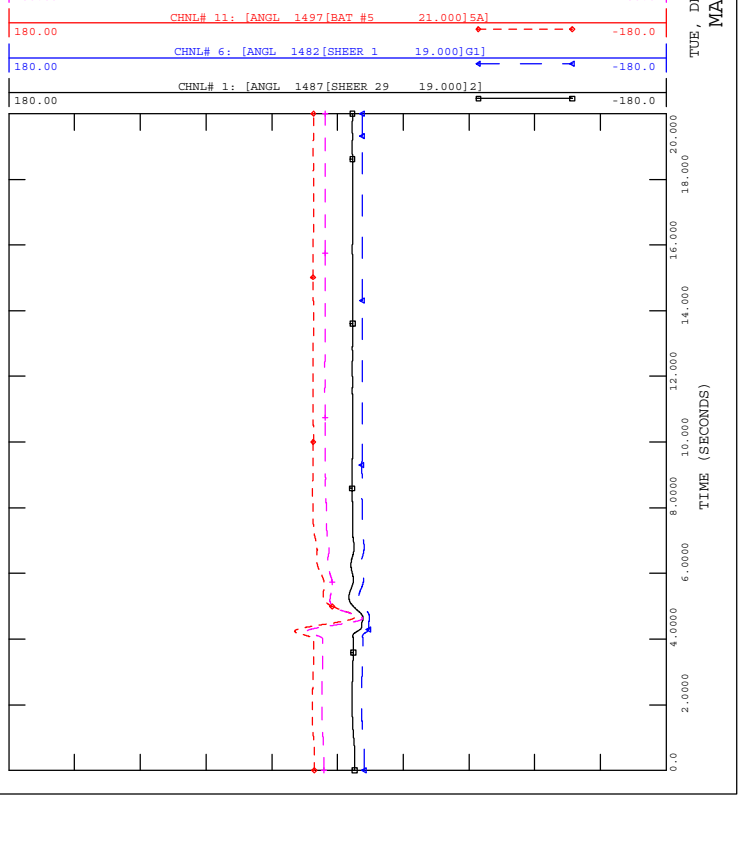
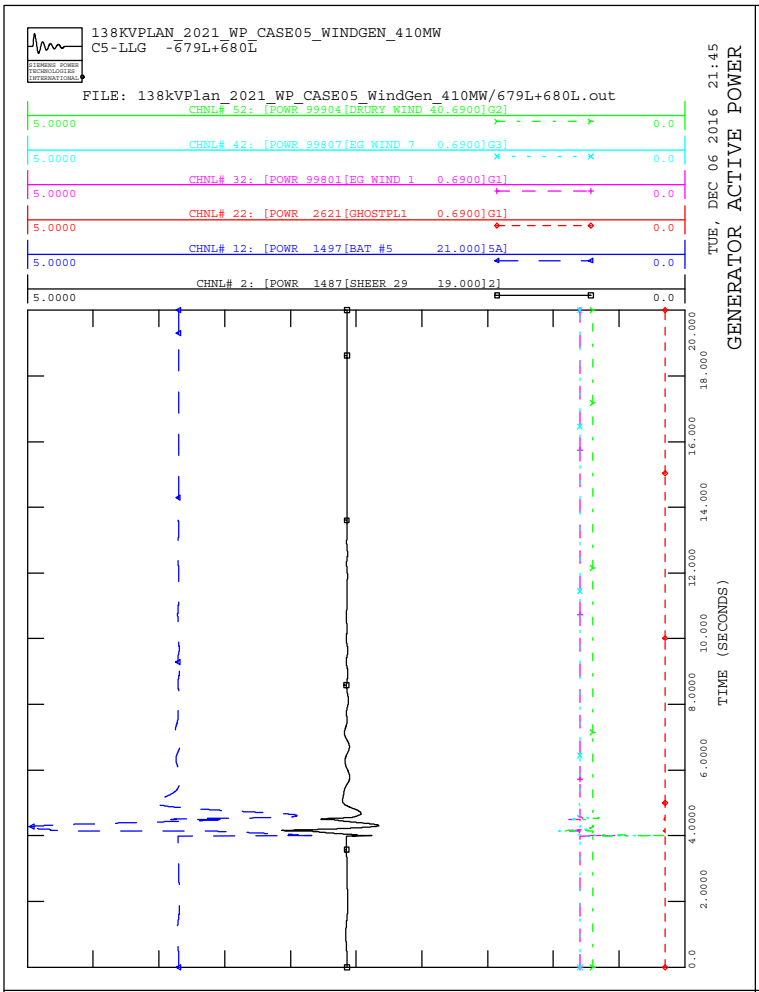
TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -679L+680L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/679L+680L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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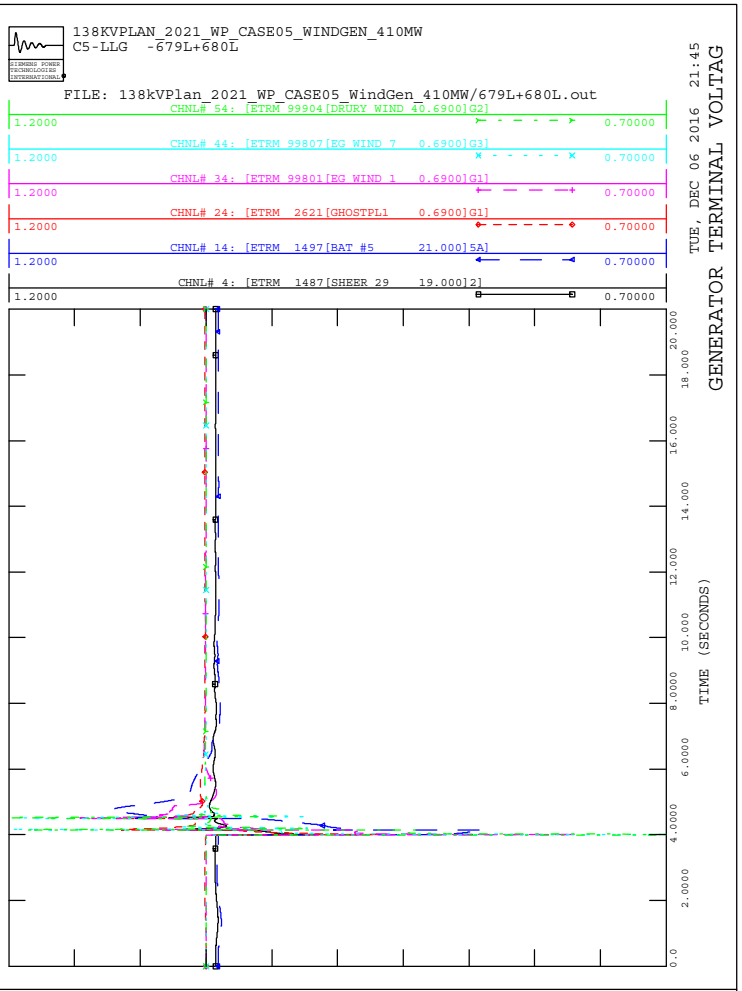
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -679L+680L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/679L+680L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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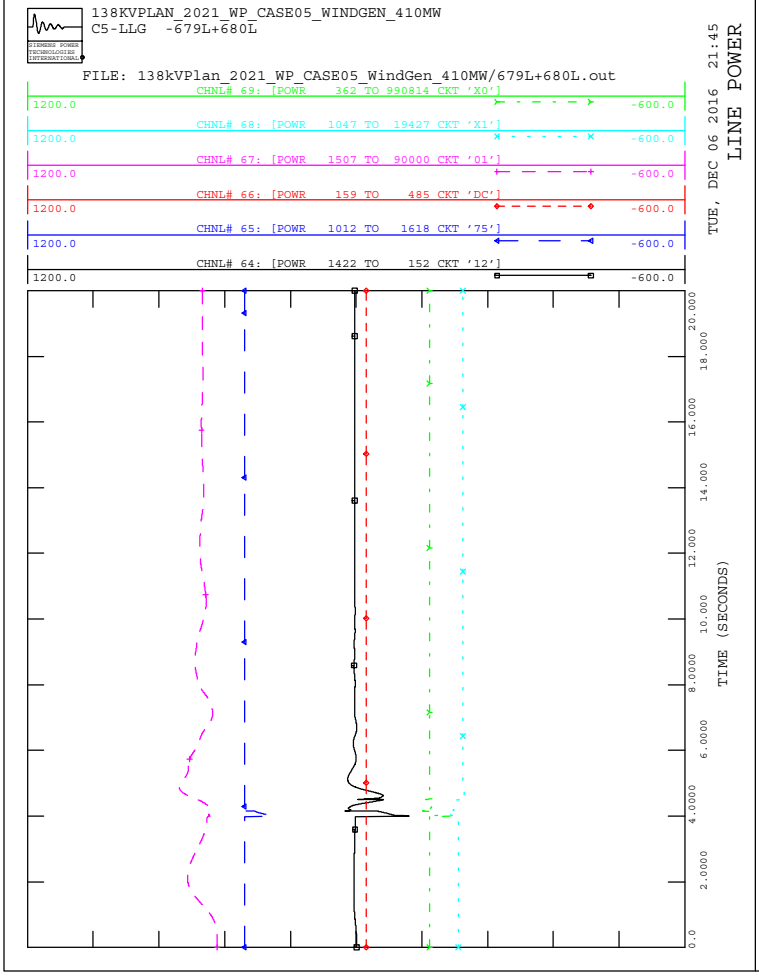
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -679L+680L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/679L+680L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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12.000
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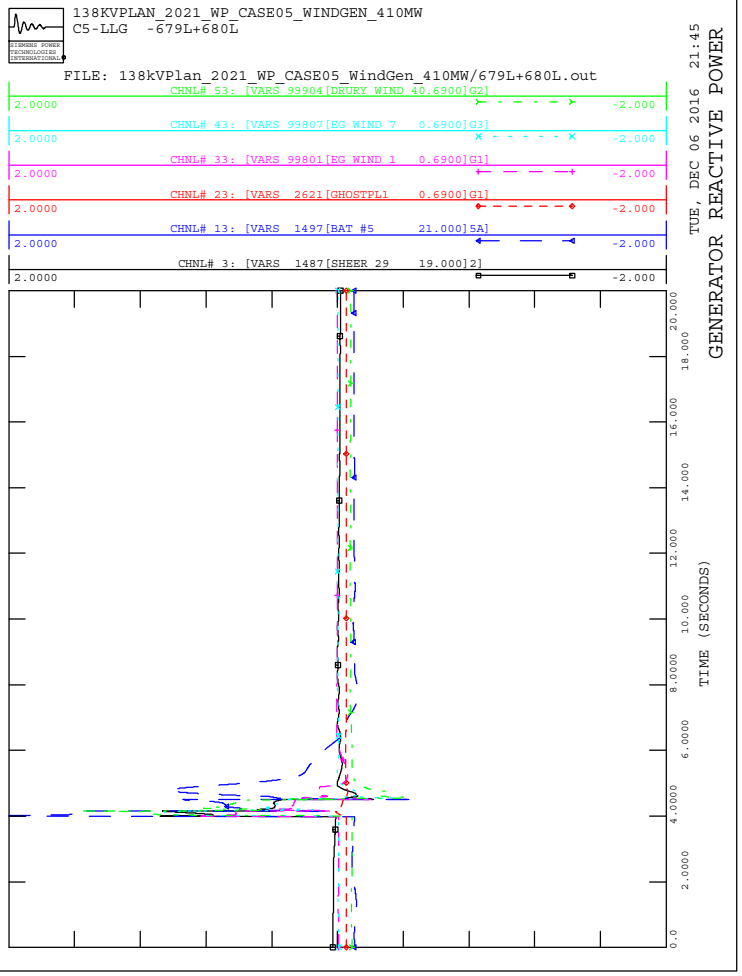
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -679L+680L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/679L+680L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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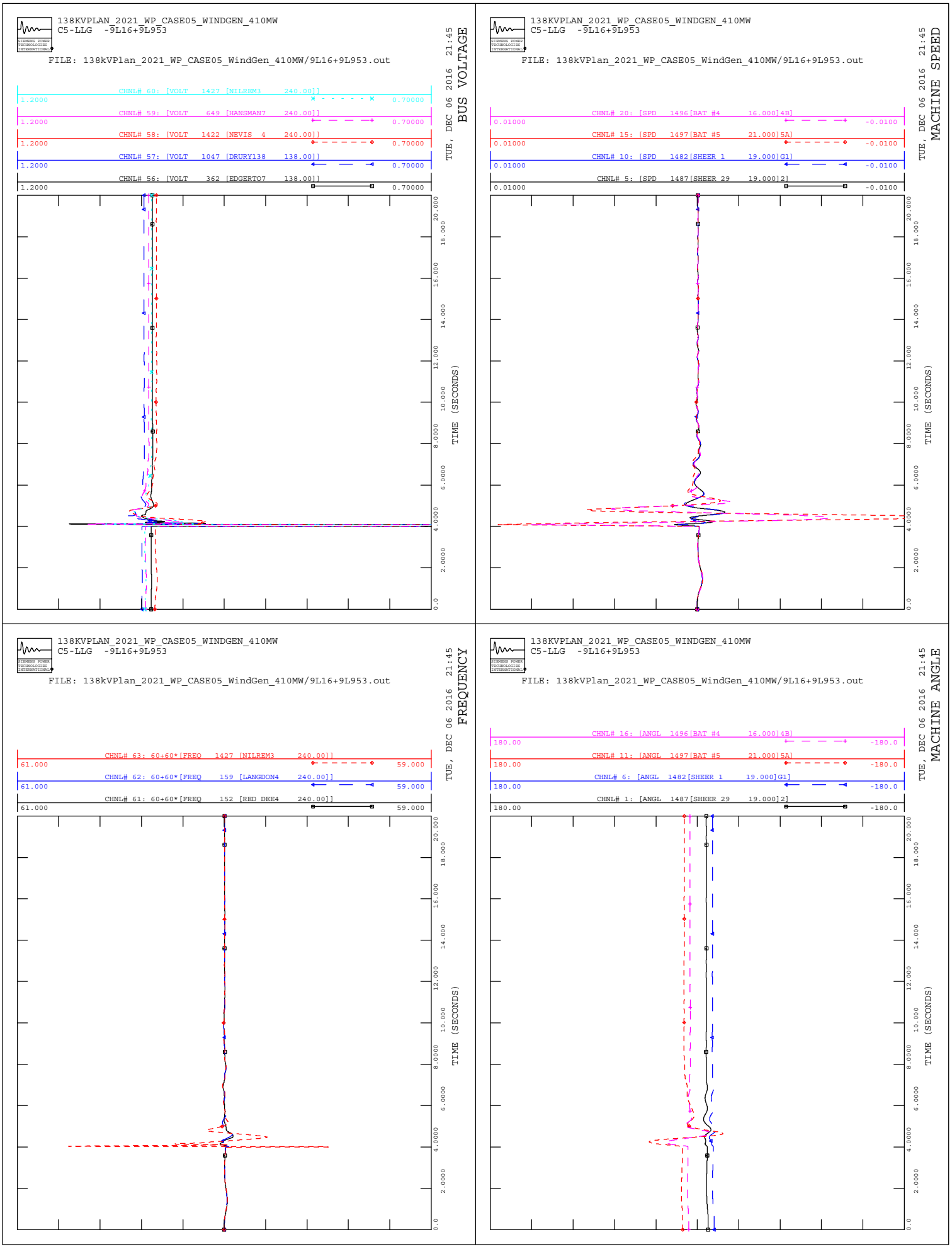
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16+9L953.out
TUE, DEC 06 2016 21:45
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
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0.70000
TIME (SECONDS)
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10.000
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16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16+9L953.out
TUE, DEC 06 2016 21:45
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16+9L953.out
TUE, DEC 06 2016 21:45
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16+9L953.out
TUE, DEC 06 2016 21:45
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
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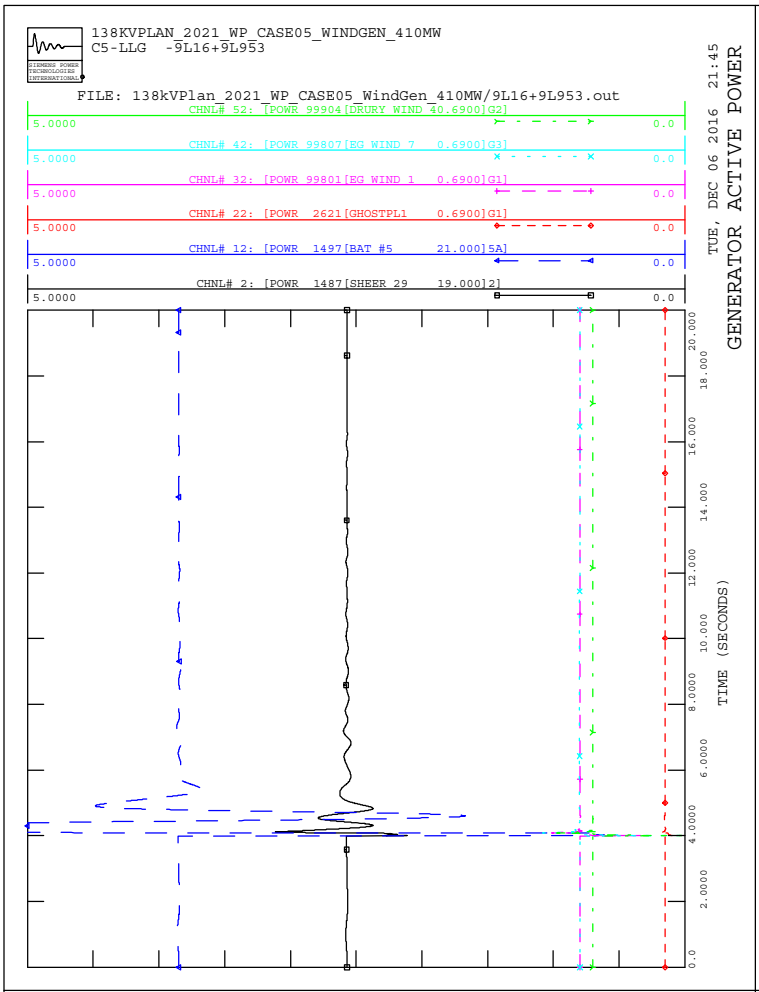
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16+9L953.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
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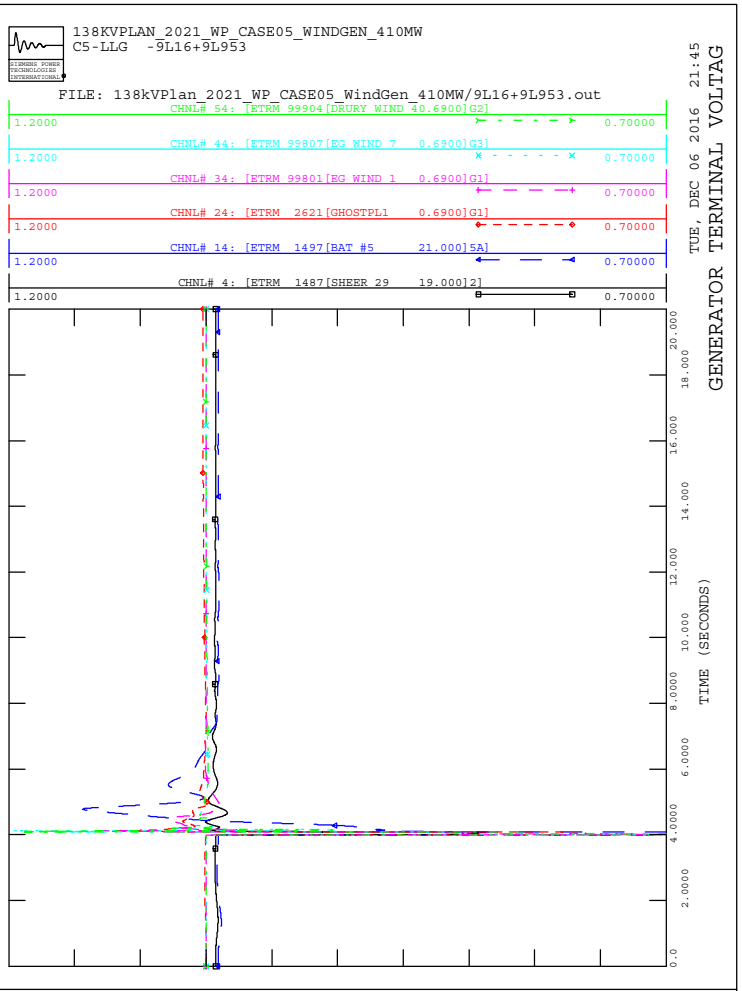
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C5-LLG -9L16+9L953
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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GENERATOR TERMINAL VOLTAG
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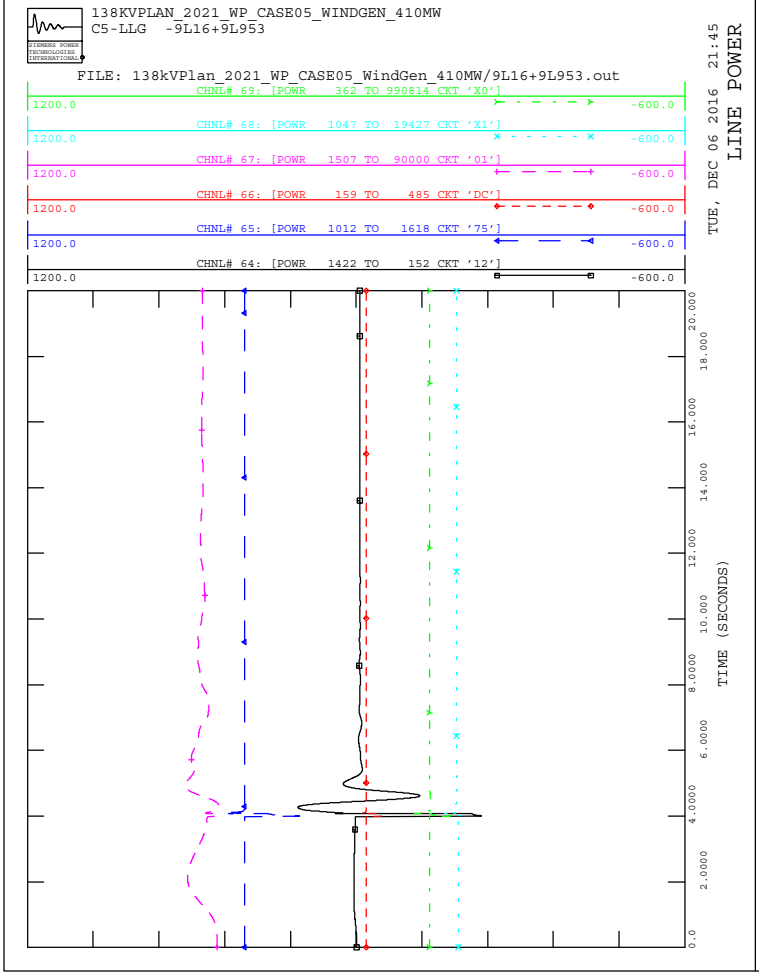
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C5-LLG -9L16+9L953
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16+9L953.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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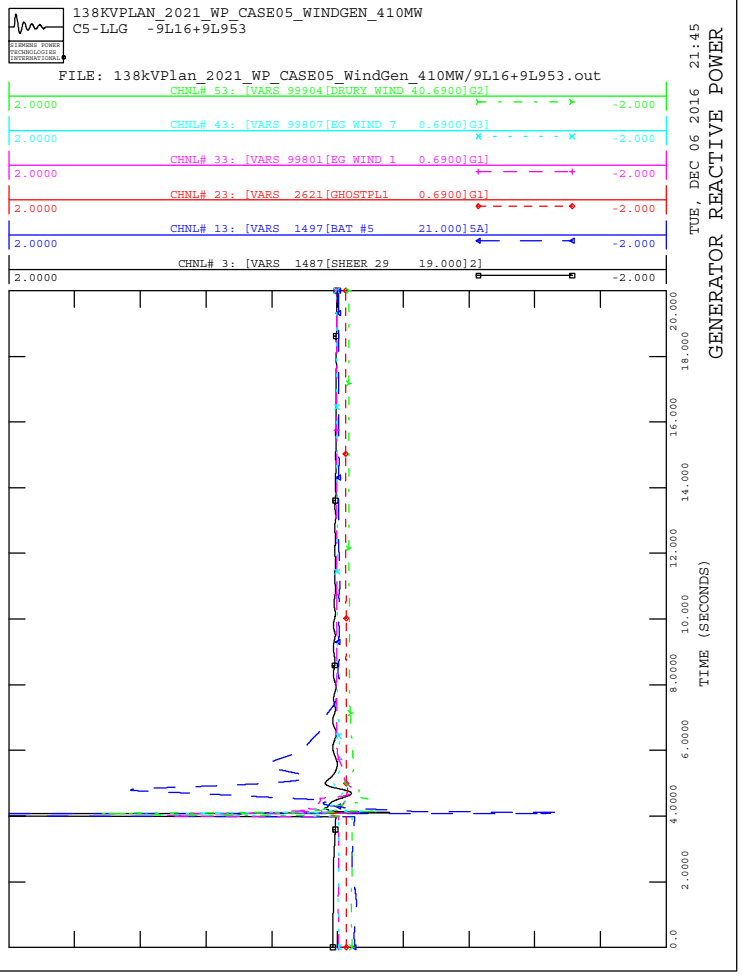
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FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16+9L953.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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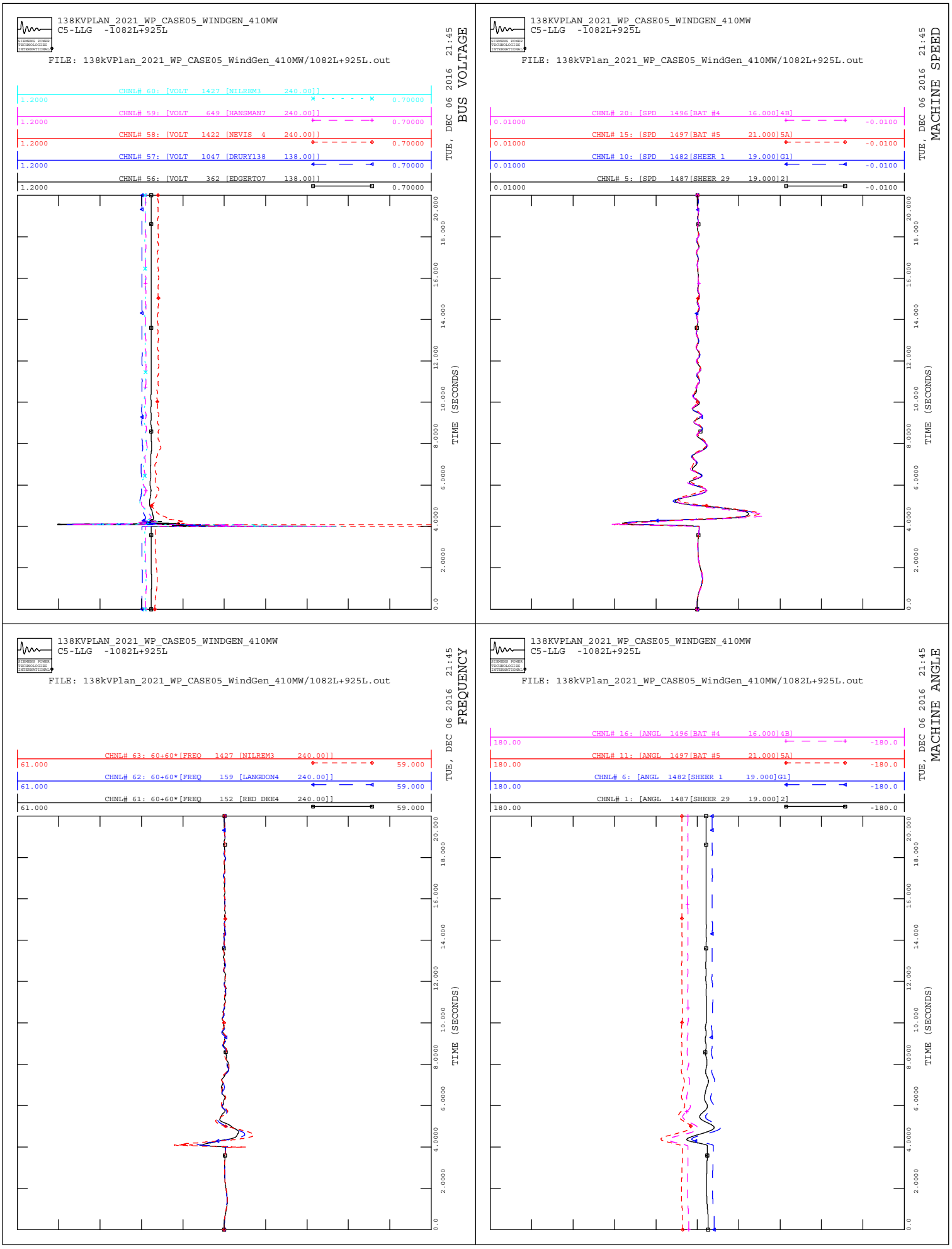
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C5-LLG -1082L+925L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1082L+925L.out
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
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TUE, DEC 06 2016 21:45
BUS VOLTAGE
TIME (SECONDS)
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18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -1082L+925L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1082L+925L.out
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
MACHINE SPEED
TIME (SECONDS)
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14.000
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18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -1082L+925L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1082L+925L.out
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TUE, DEC 06 2016 21:45
FREQUENCY
TIME (SECONDS)
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14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -1082L+925L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1082L+925L.out
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
MACHINE ANGLE
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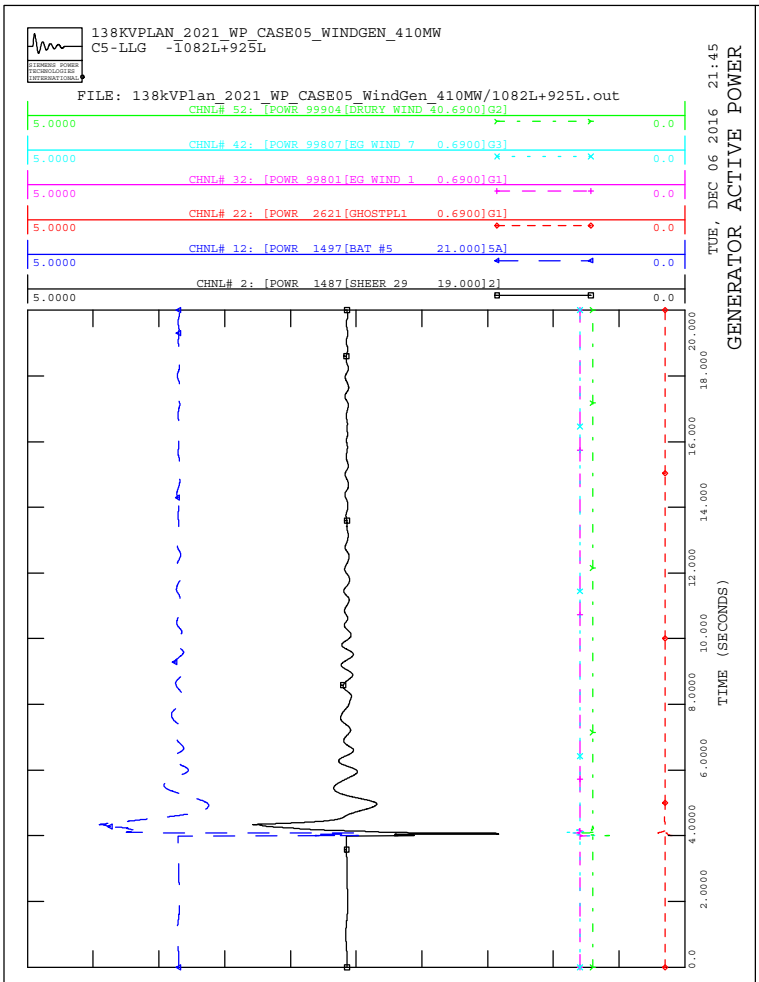
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -1082L+925L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1082L+925L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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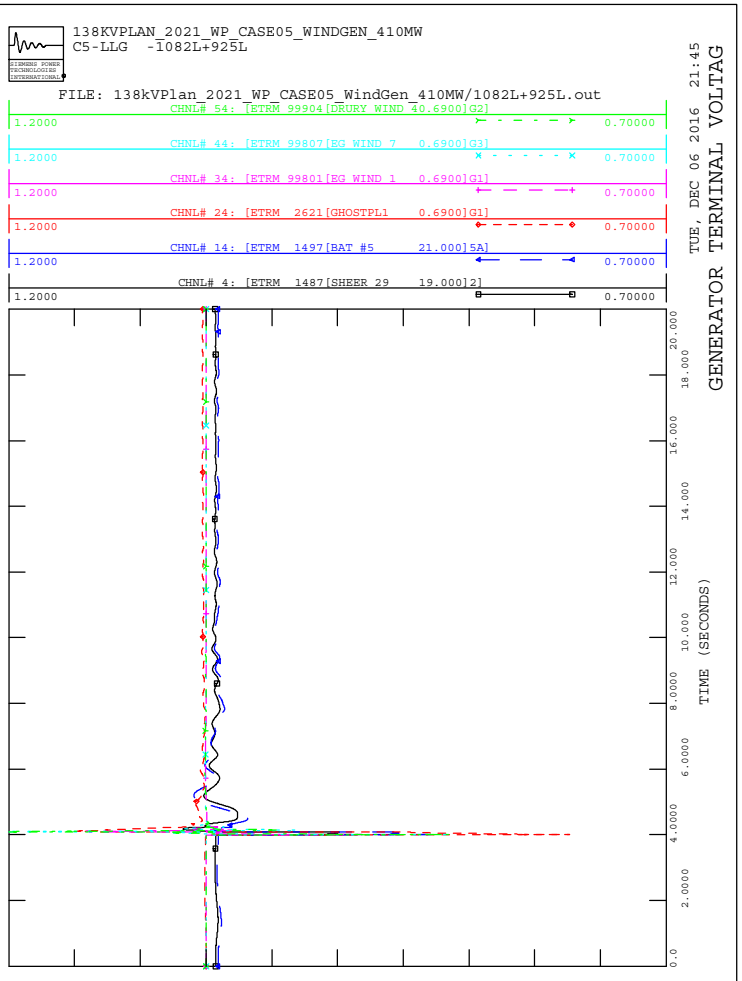
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -1082L+925L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1082L+925L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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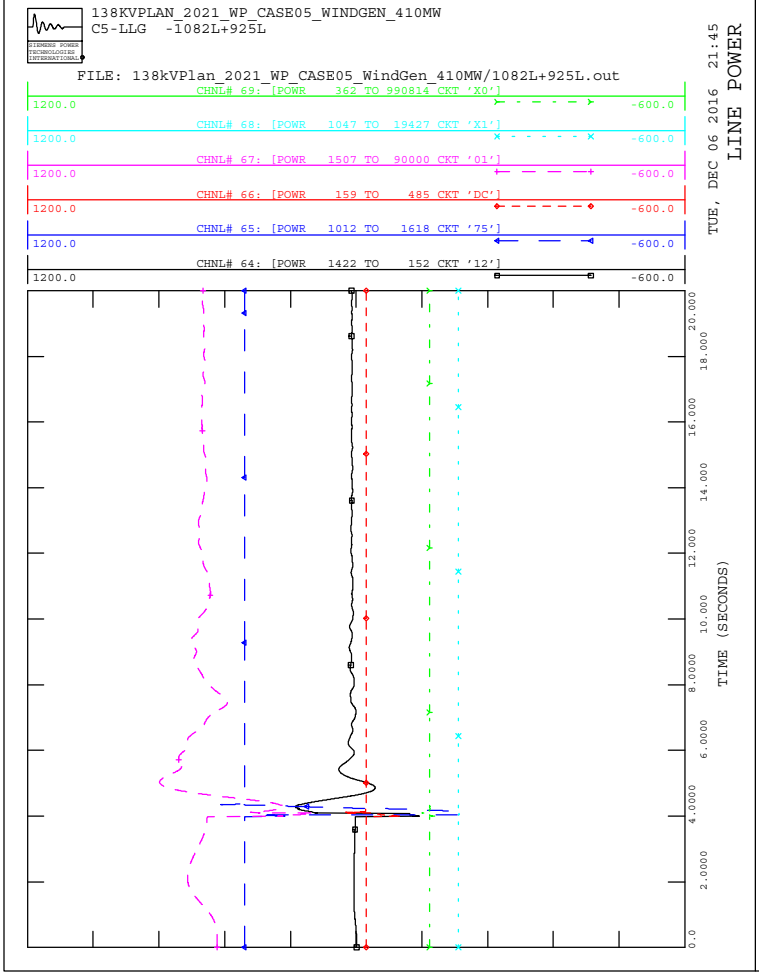
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -1082L+925L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1082L+925L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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4.0000
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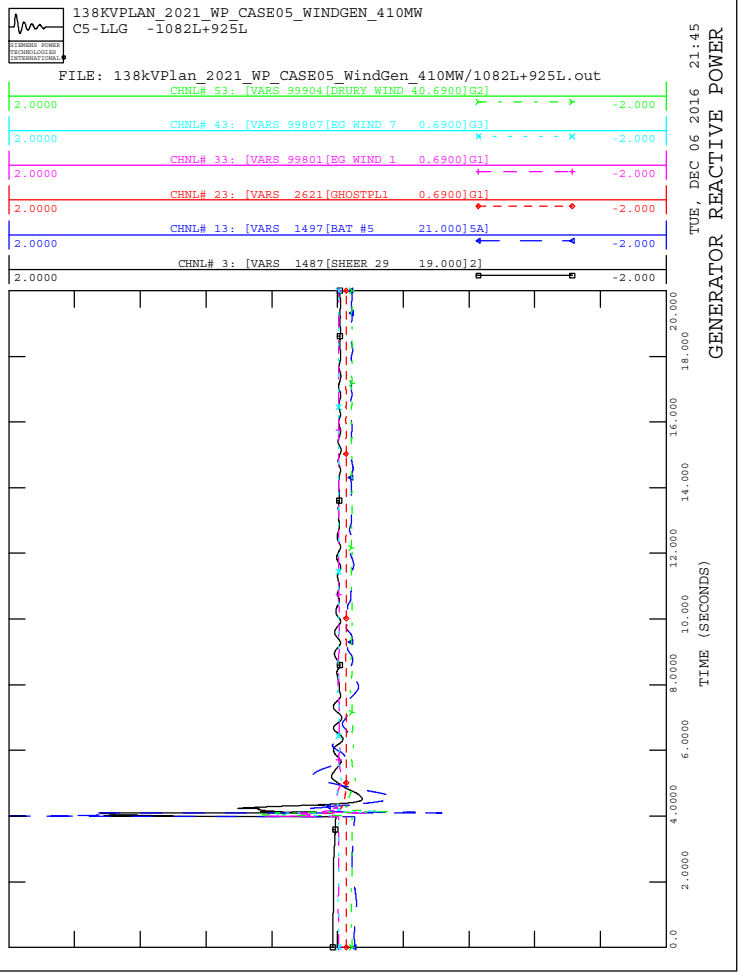
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -1082L+925L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1082L+925L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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4.0000
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12.000
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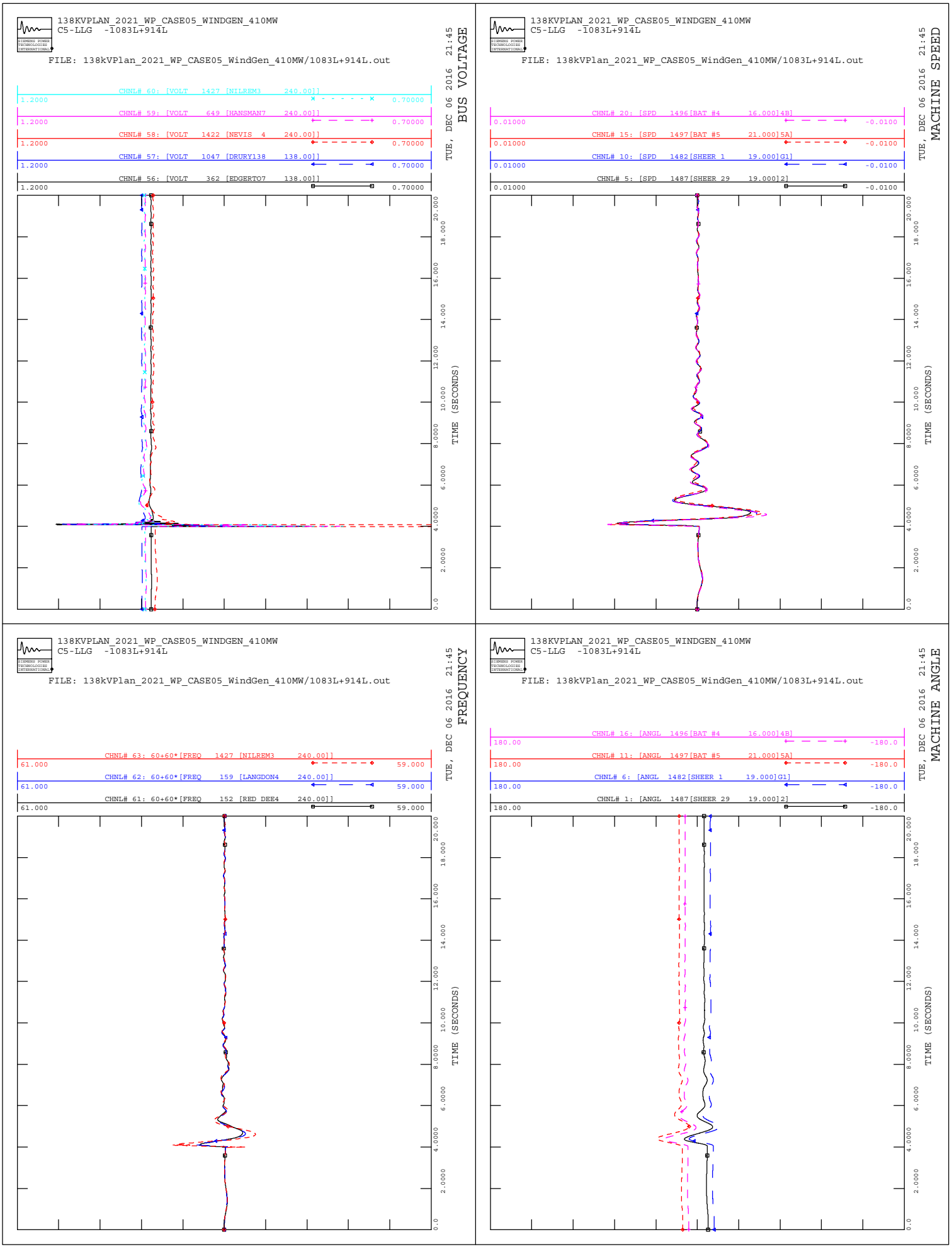
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -1083L+914L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1083L+914L.out
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TUE, DEC 06 2016 21:45
BUS VOLTAGE
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -1083L+914L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1083L+914L.out
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
MACHINE SPEED
TIME (SECONDS)
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -1083L+914L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1083L+914L.out
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TUE, DEC 06 2016 21:45
FREQUENCY
TIME (SECONDS)
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C5-LLG -1083L+914L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1083L+914L.out
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
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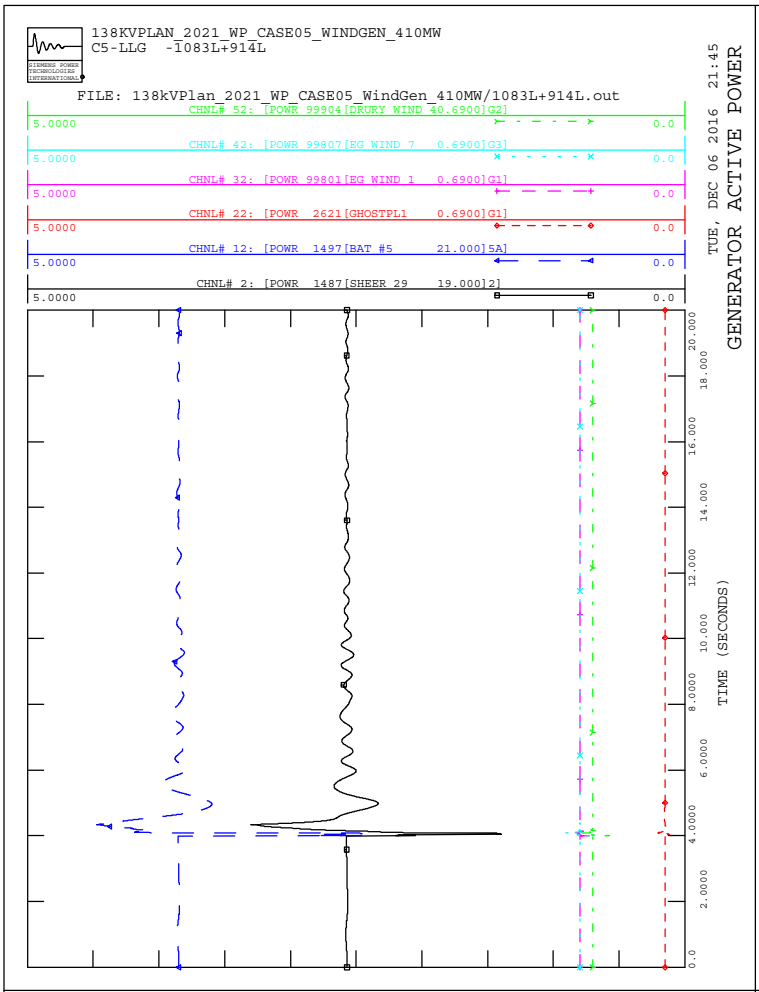
MACHINE ANGLE
TIME (SECONDS)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C5-LLG -1083L+914L
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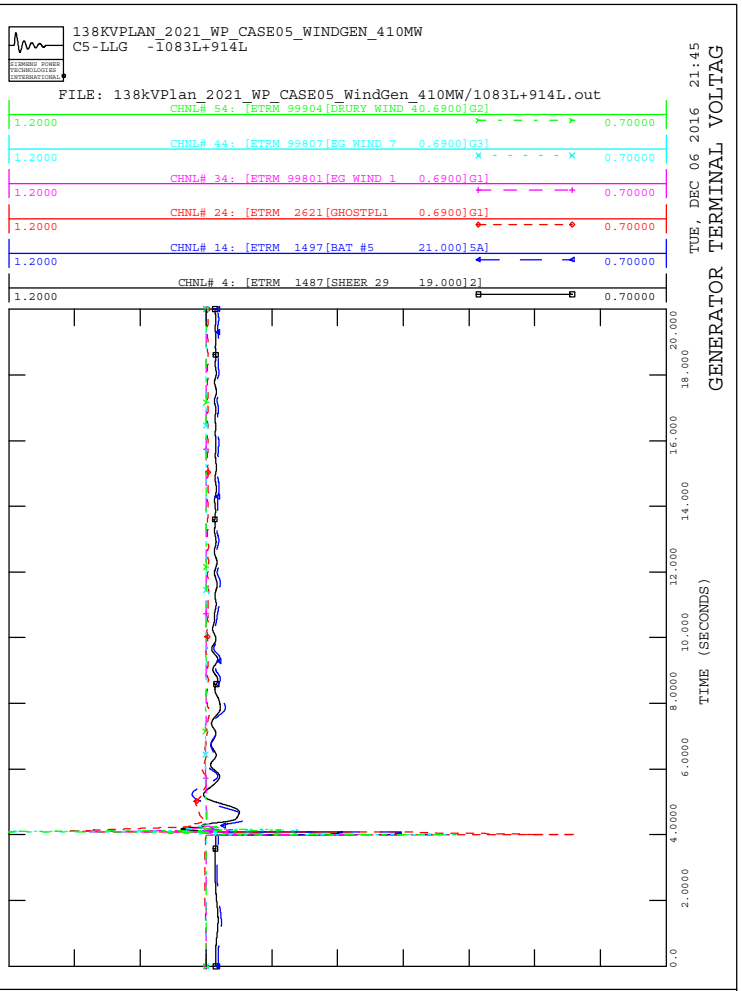
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)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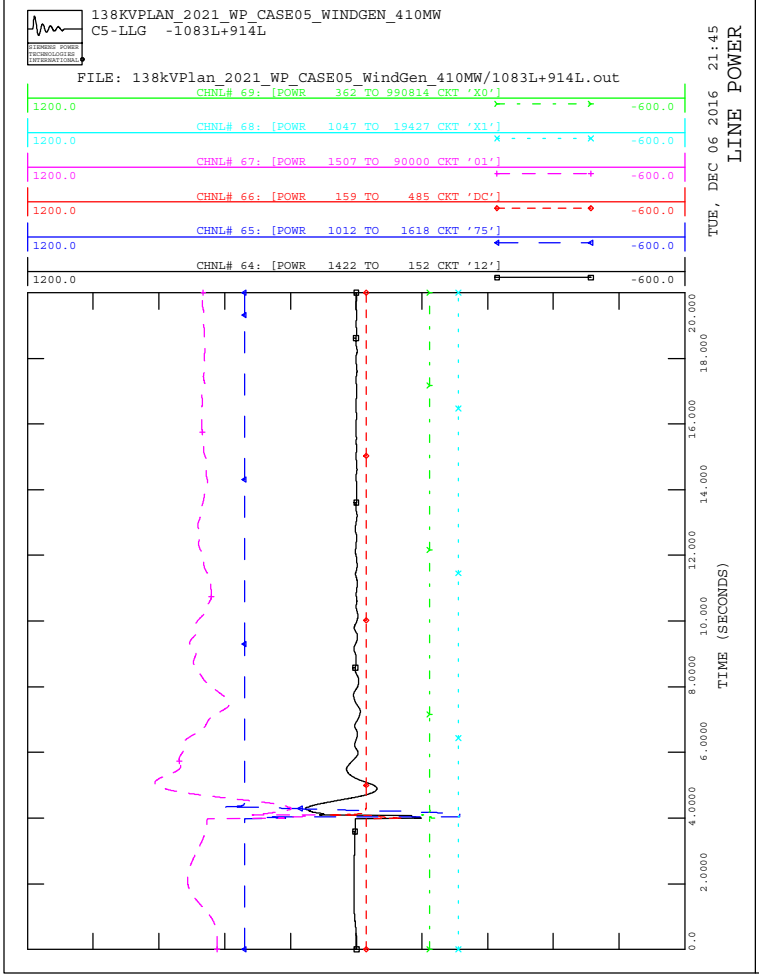
C5-LLG -1083L+914L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1083L+914L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)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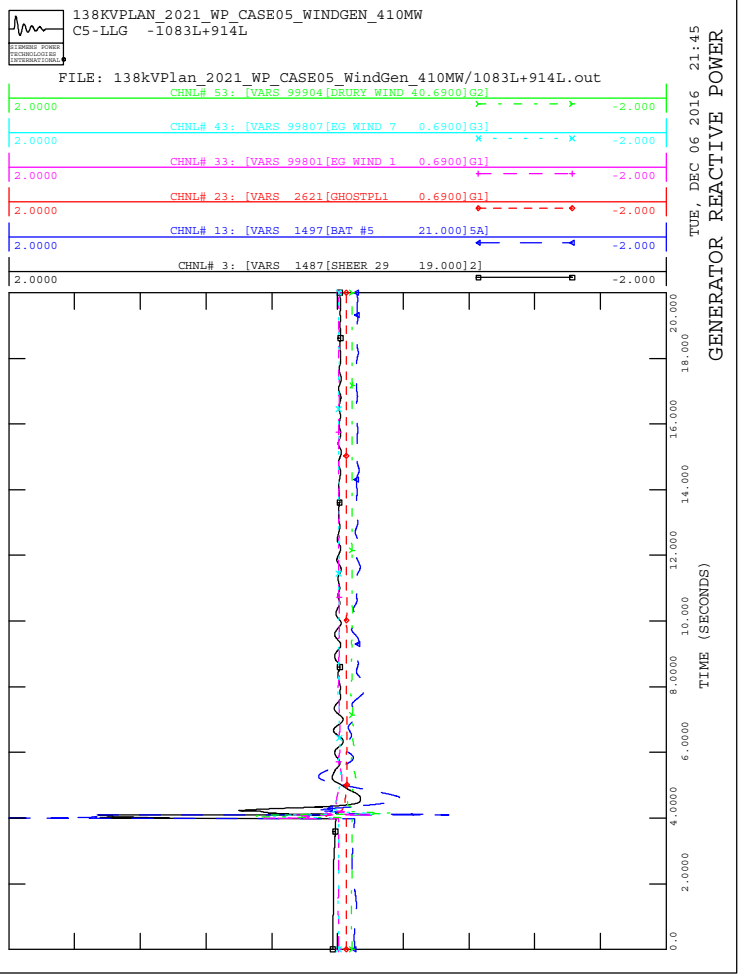
C5-LLG -1083L+914L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1083L+914L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)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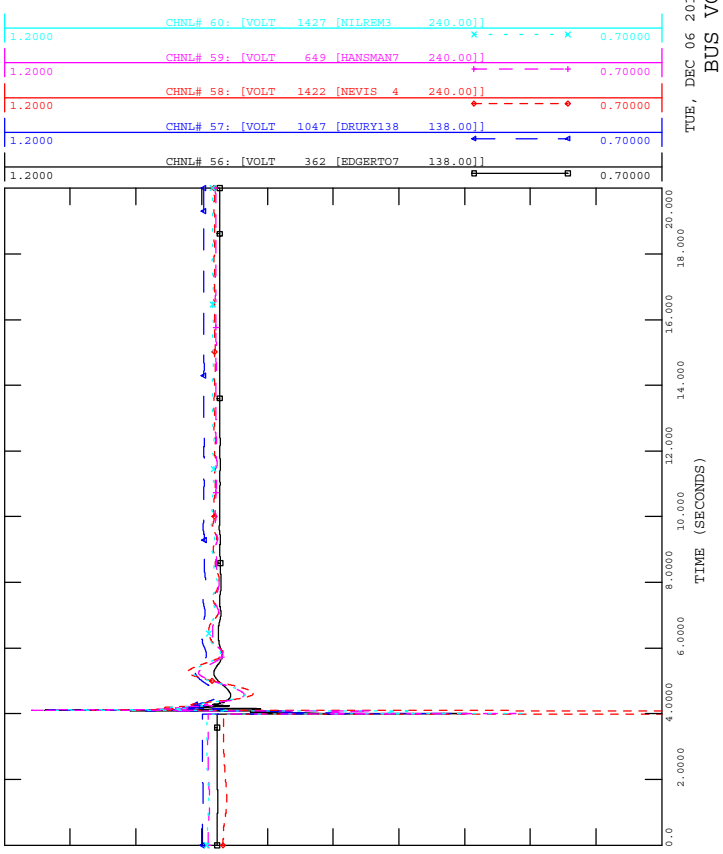
C5-LLG -1083L+914L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1083L+914L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -901L+912L

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/901L+912L.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

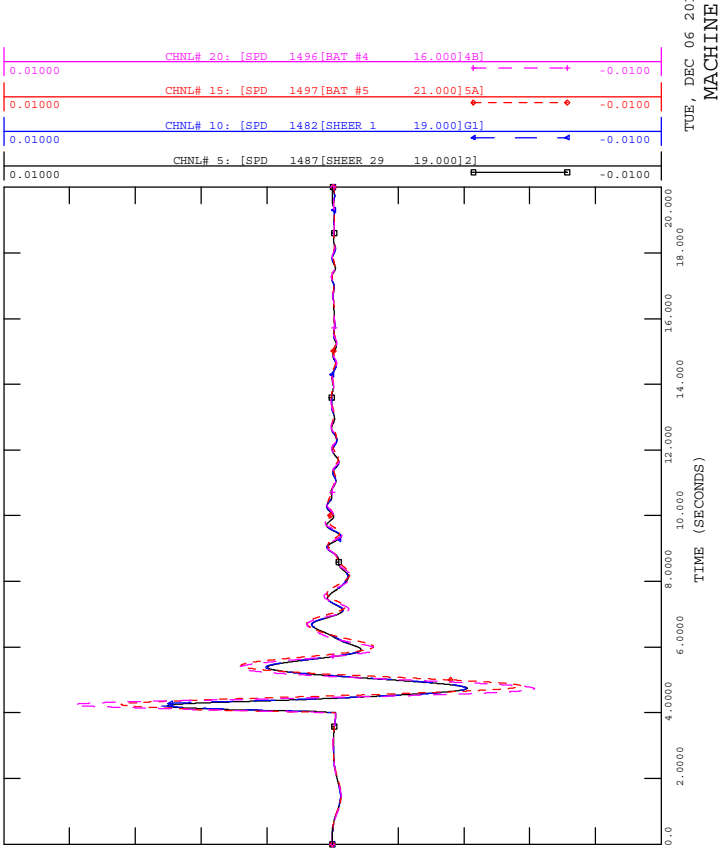


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -901L+912L

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/901L+912L.out

TUE, DEC 06 2016 21:45

MACHINE SPEED



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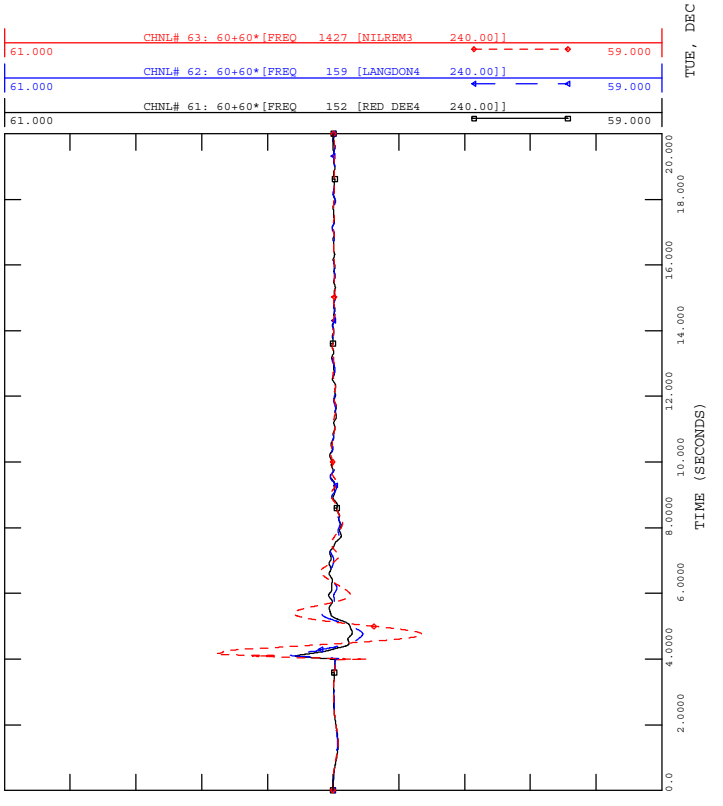
FREQUENCY



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -901L+912L

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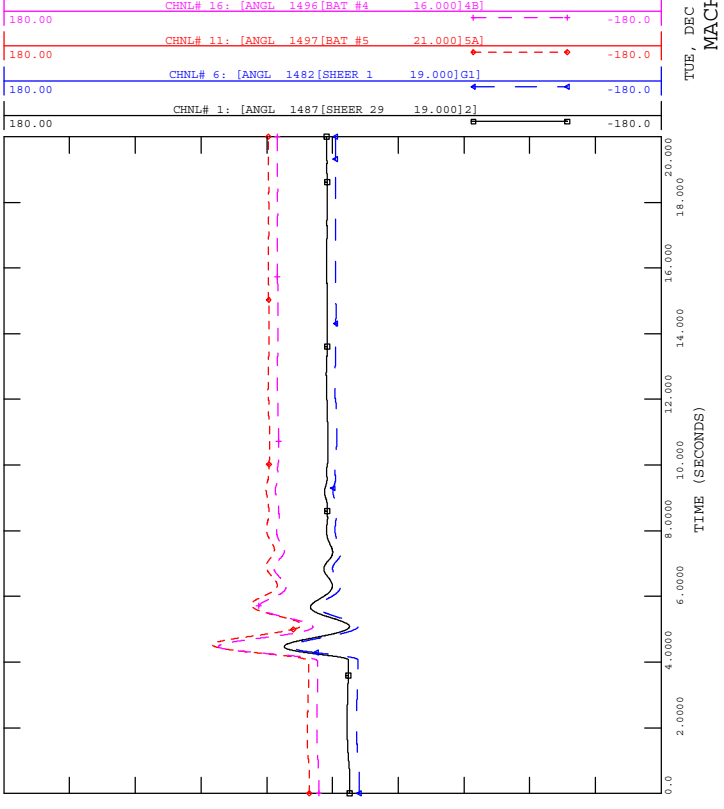
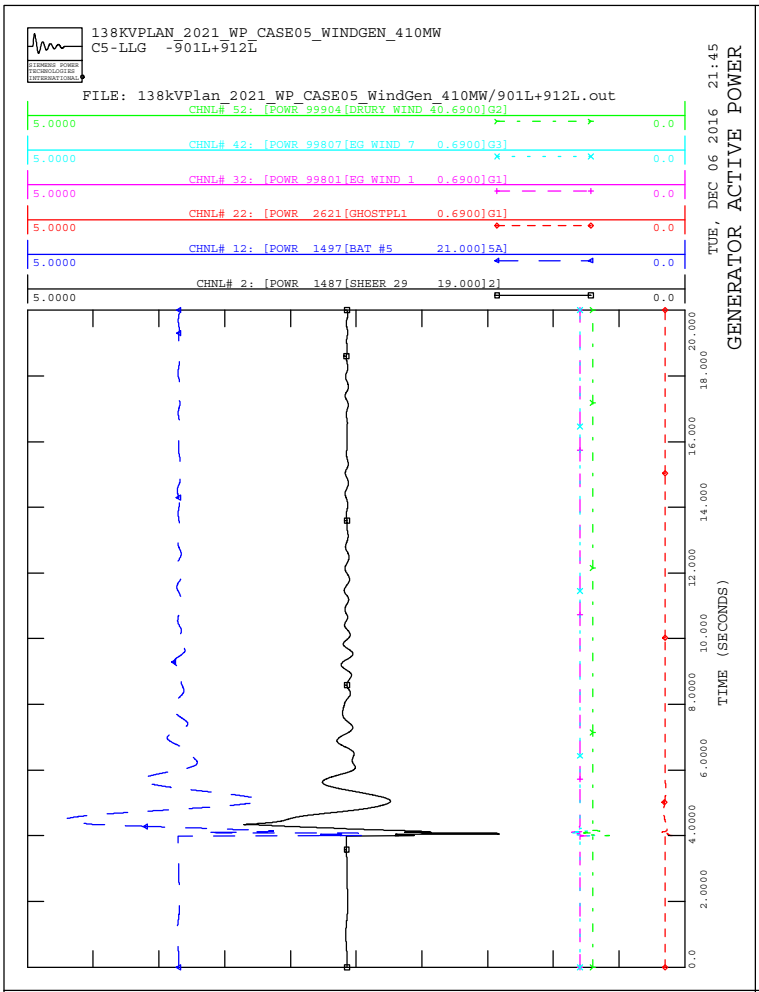
TUE, DEC 06 2016 21:45

MACHINE ANGLE

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C5-LLG -901L+912L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/901L+912L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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16.000
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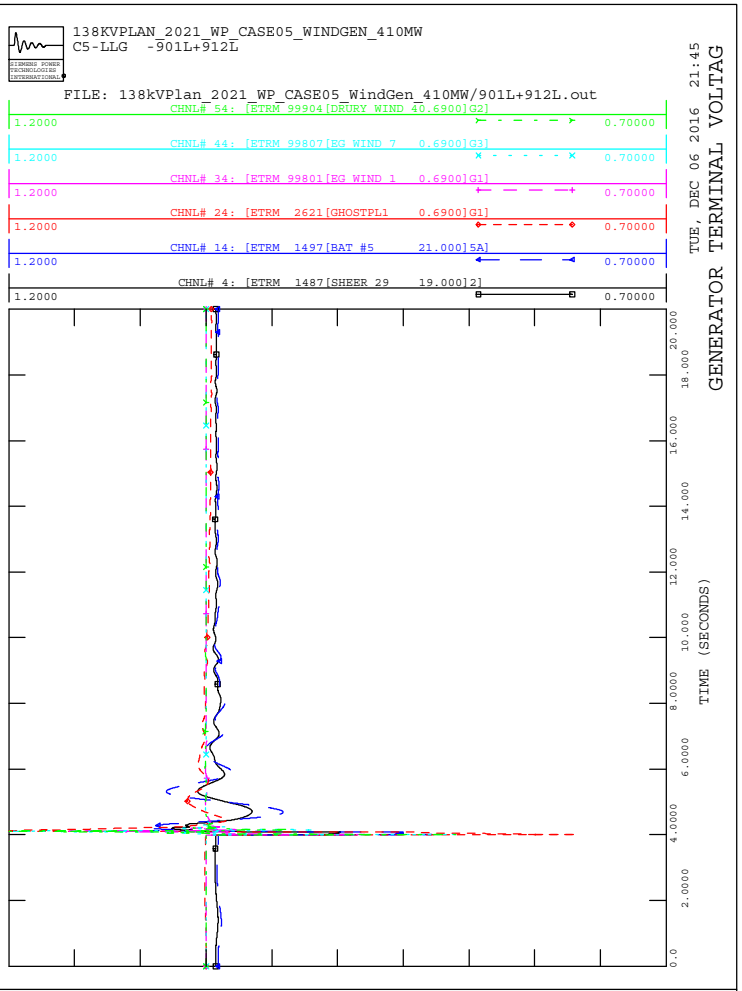
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -901L+912L
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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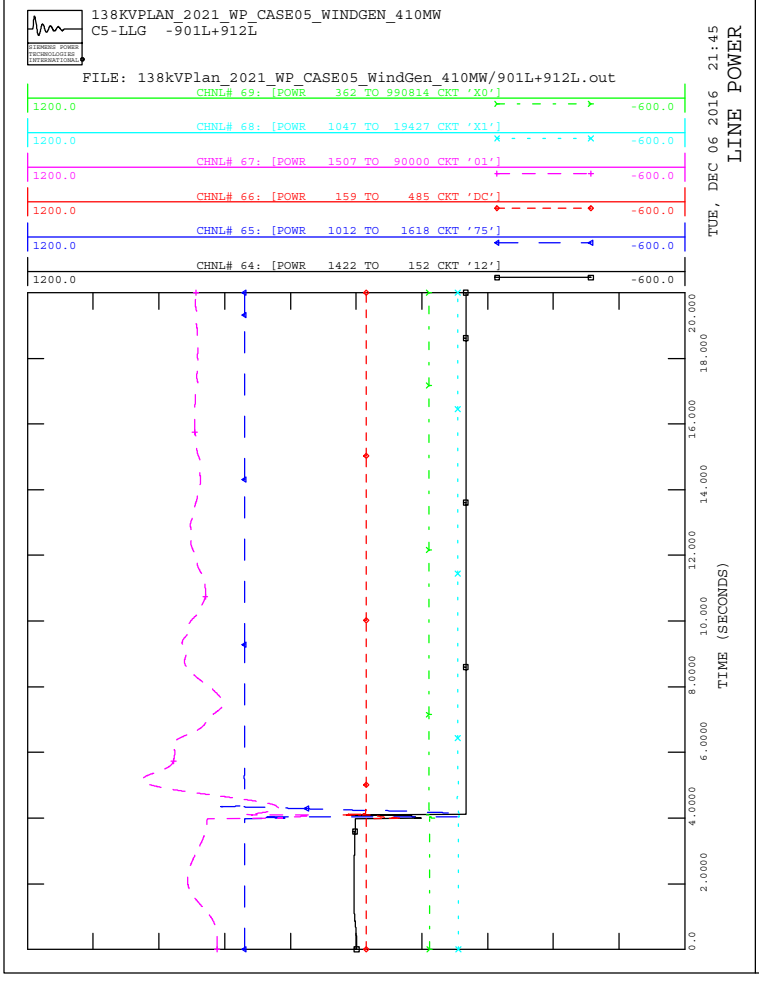
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C5-LLG -901L+912L
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CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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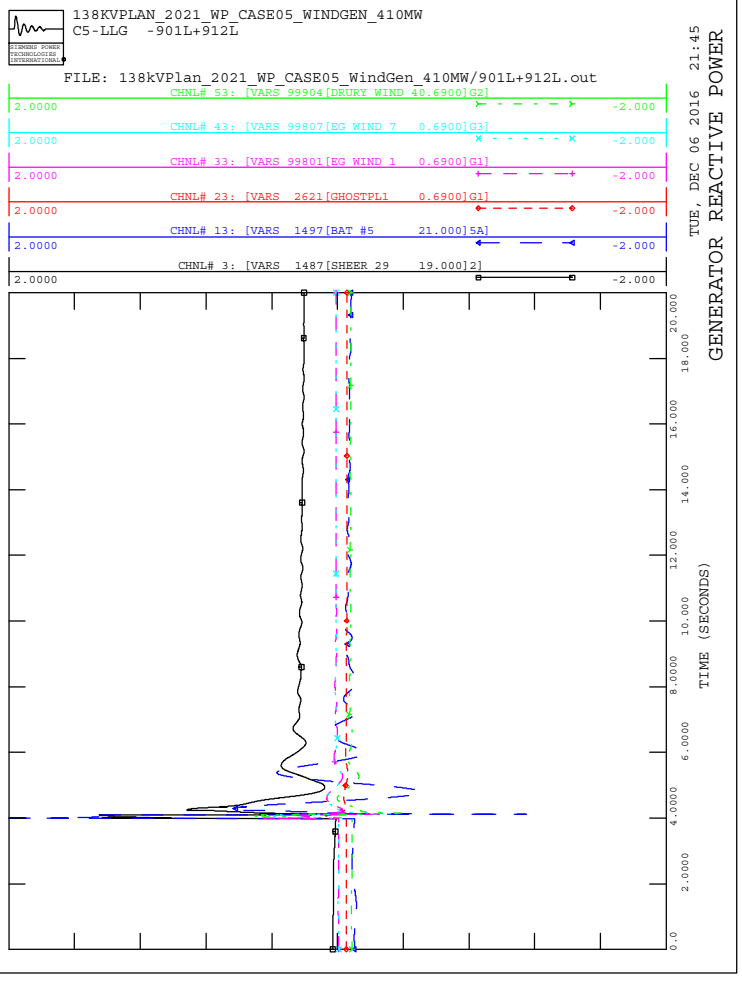
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C5-LLG -901L+912L
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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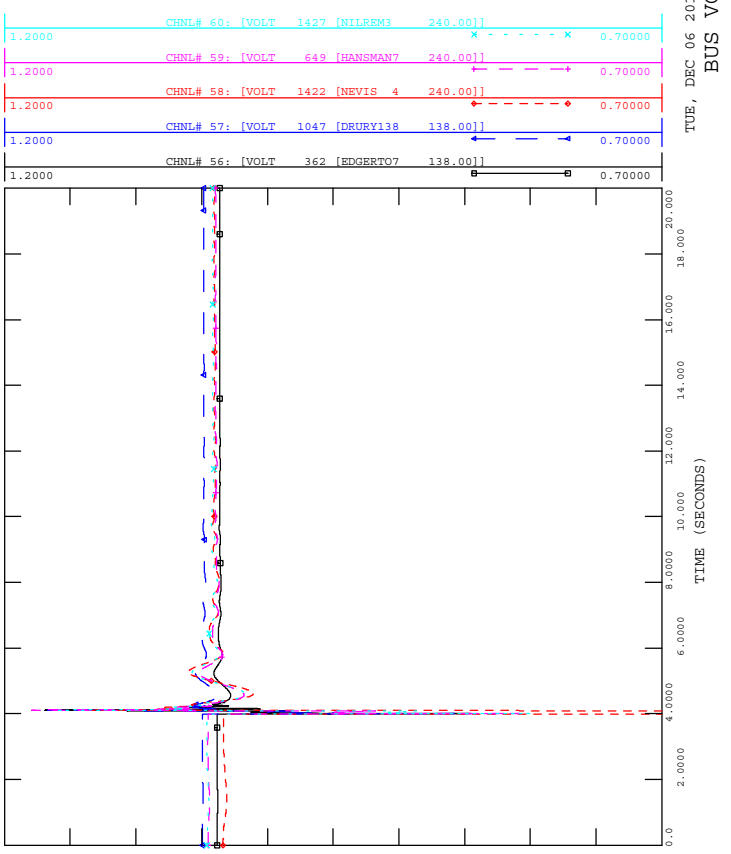
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -912L+914L

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L+914L.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE



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C5-LLG -912L+914L

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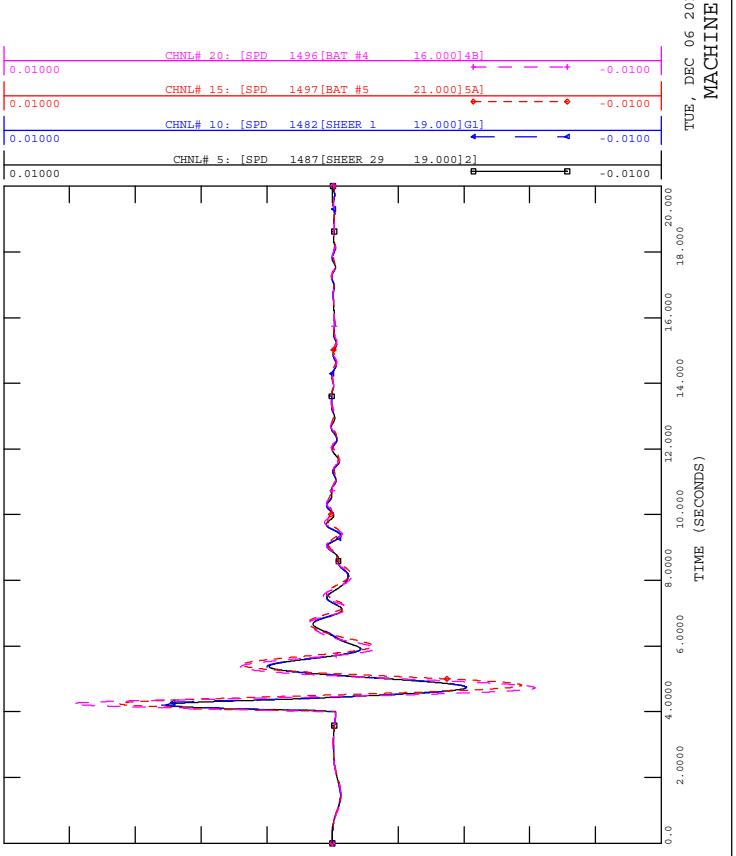
TUE, DEC 06 2016 21:45

MACHINE SPEED



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TUE, DEC 06 2016 21:45

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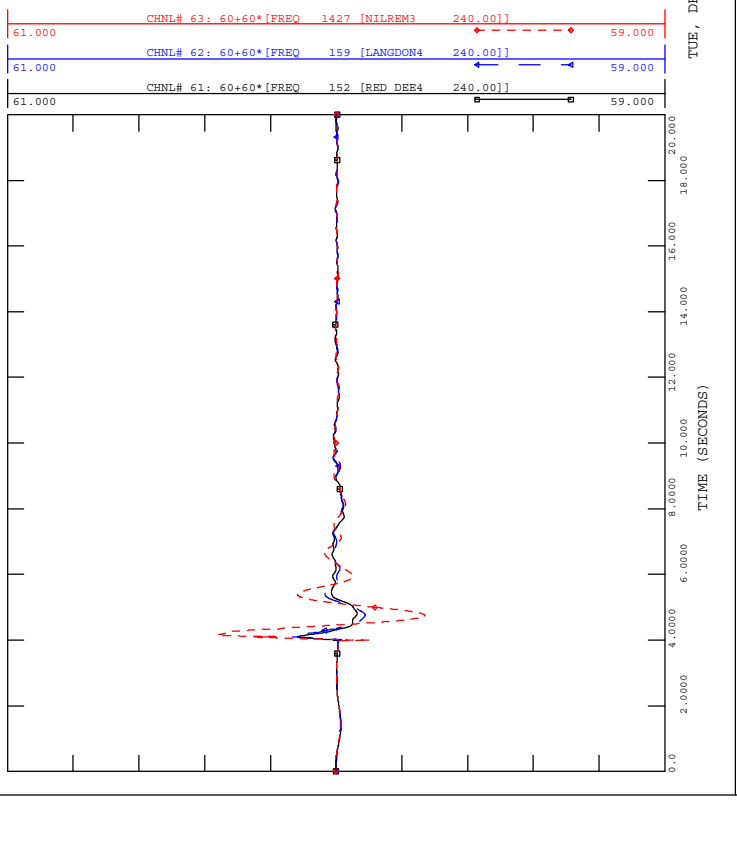

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C5-LLG -912L+914L

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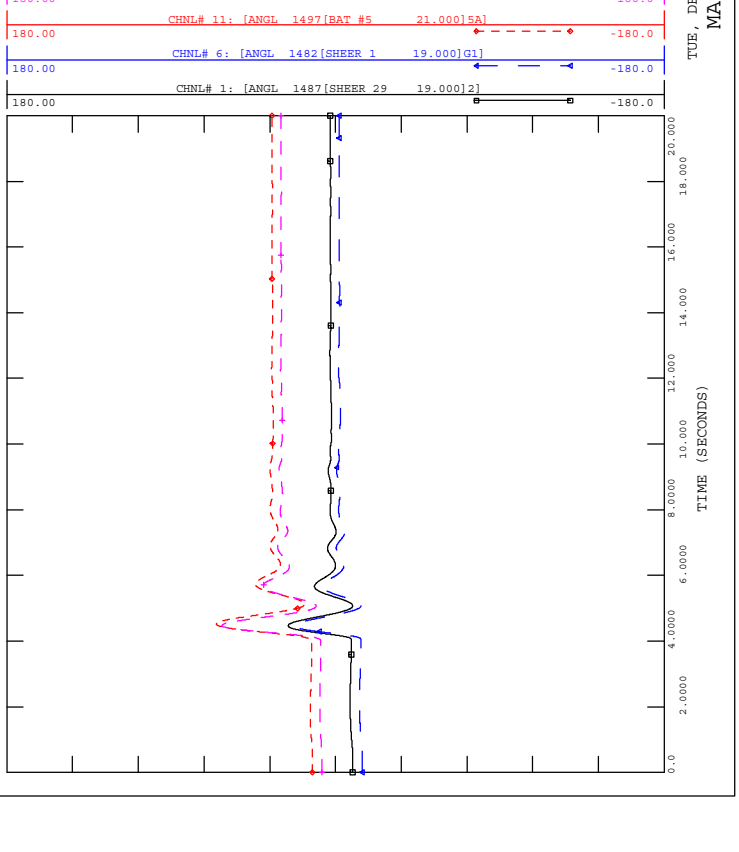
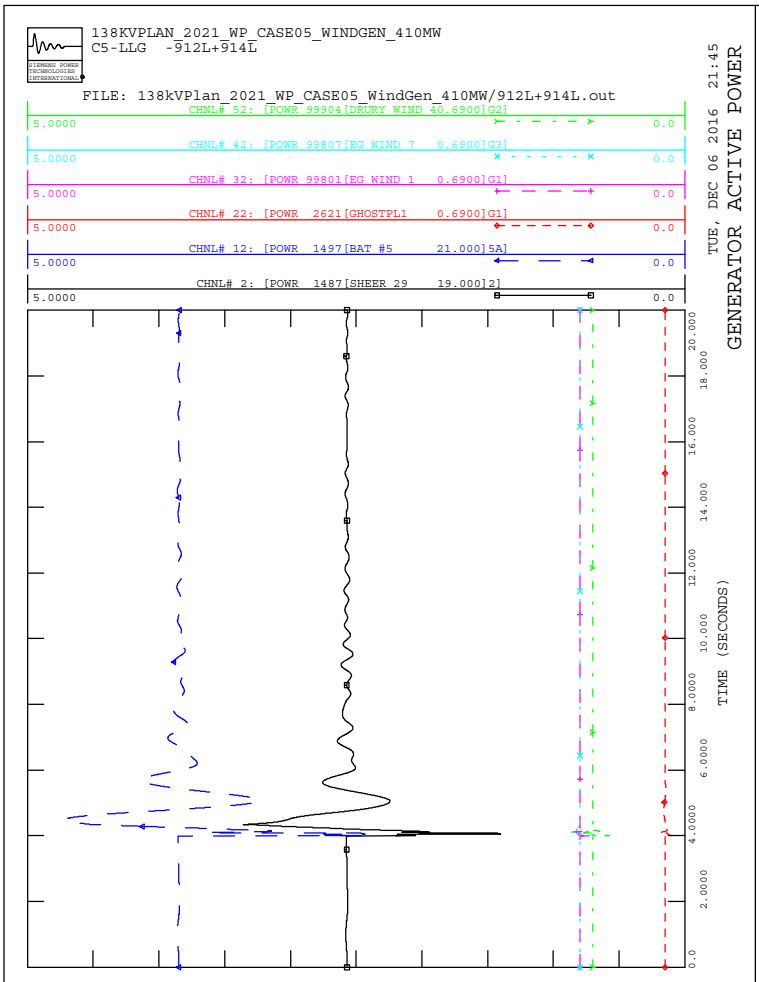
TUE, DEC 06 2016 21:45

MACHINE ANGLE

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C5-LLG -912L+914L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L+914L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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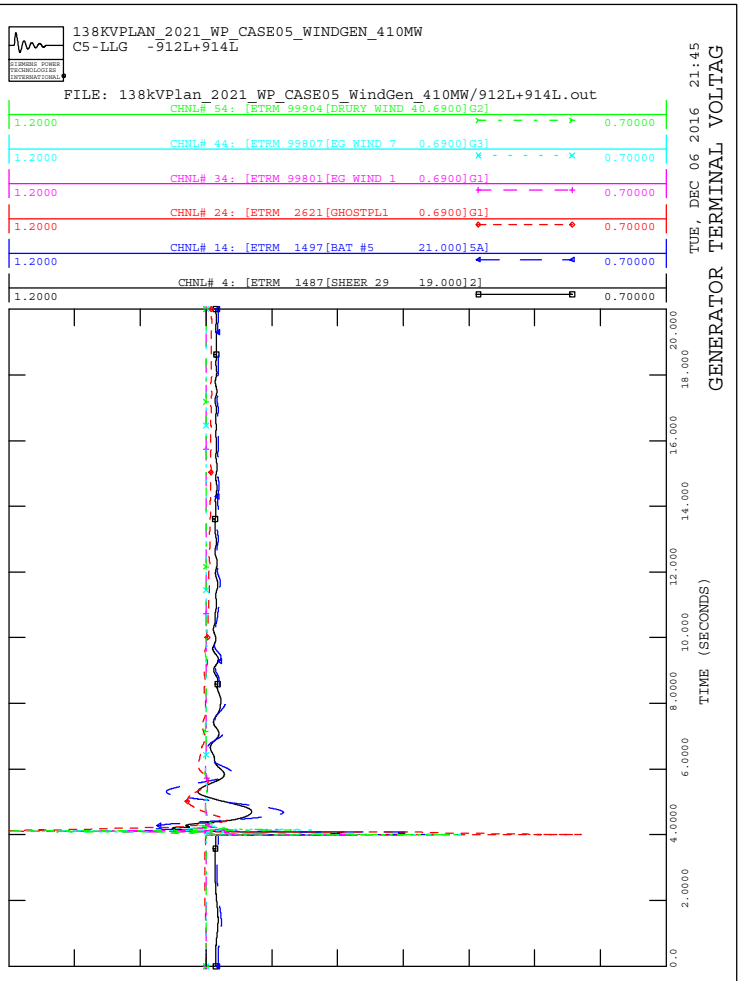
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C5-LLG -912L+914L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/912L+914L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
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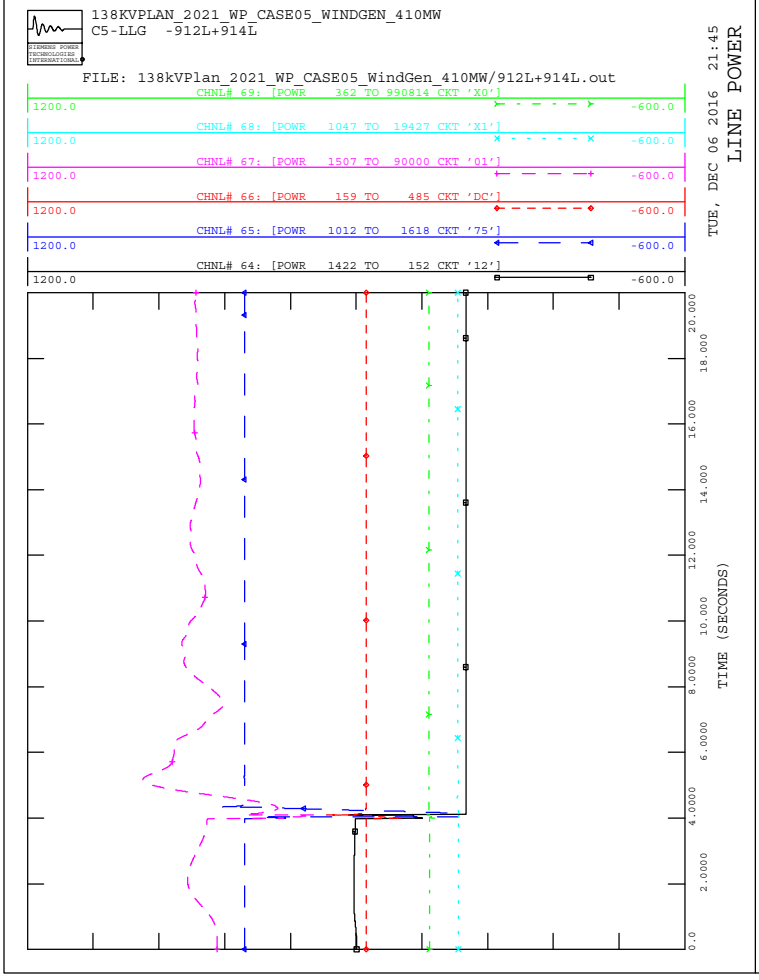
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C5-LLG -912L+914L
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CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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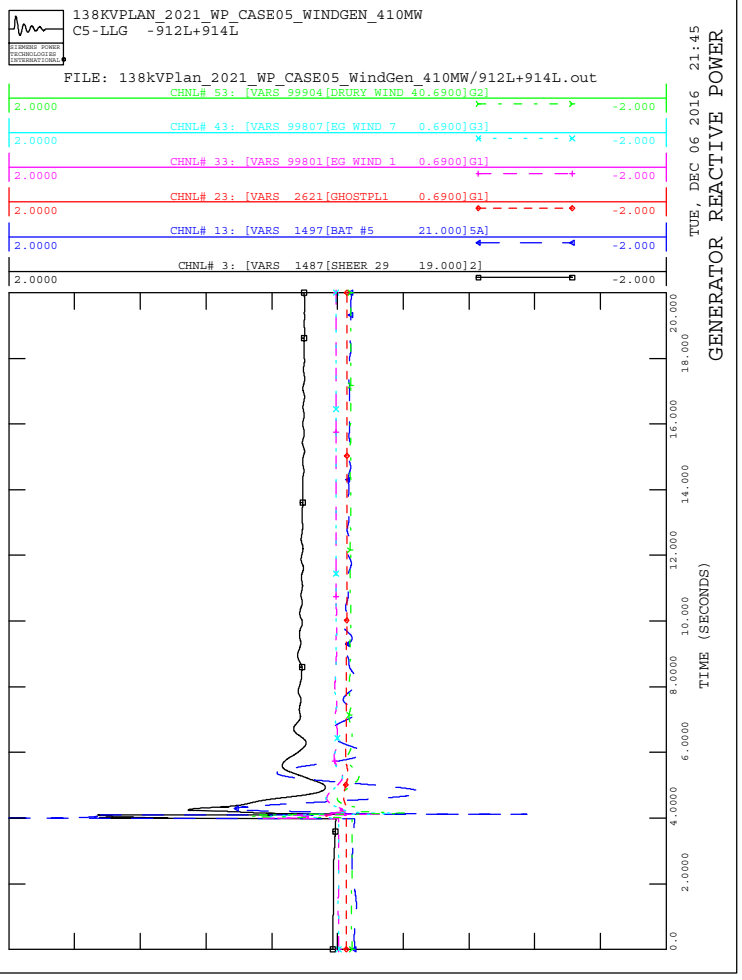
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C5-LLG -912L+914L
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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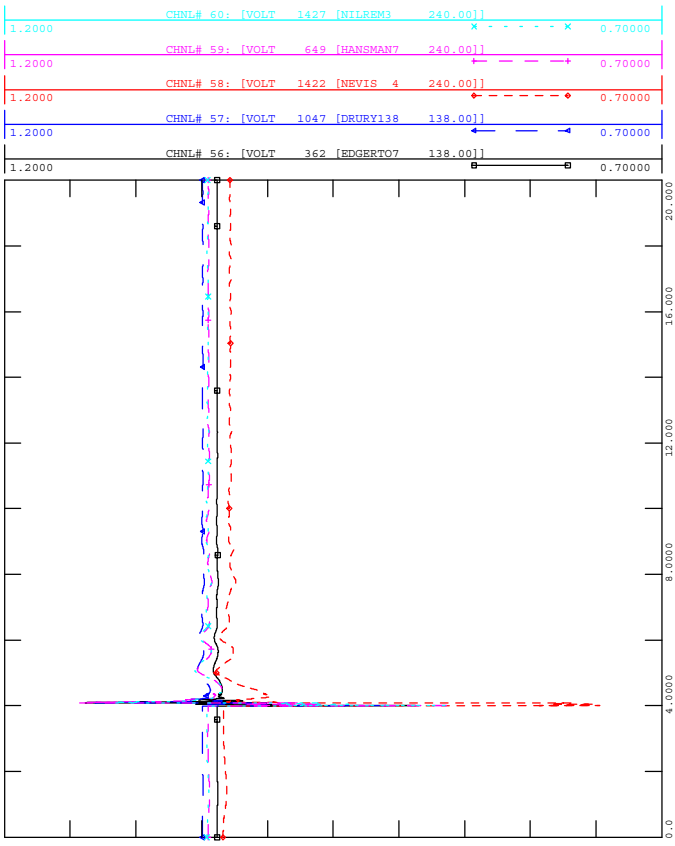
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -929L+925L

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/929L+925L.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -929L+925L

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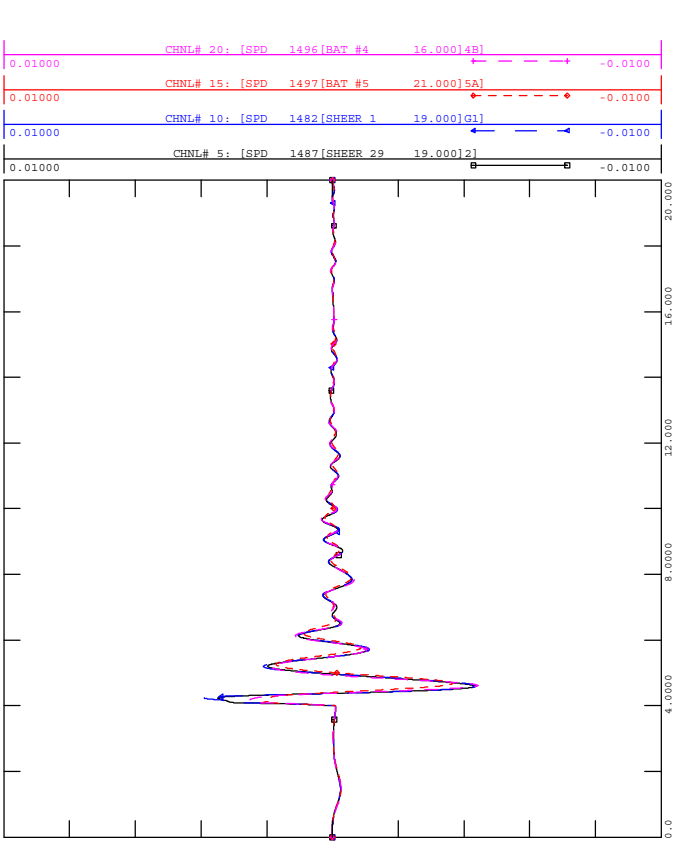
MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -929L+925L

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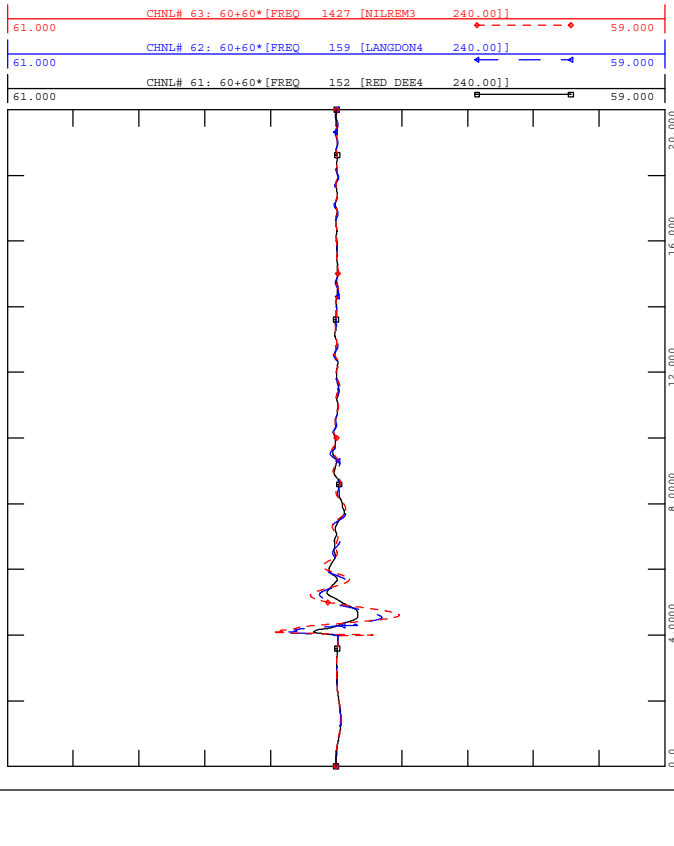

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -929L+925L

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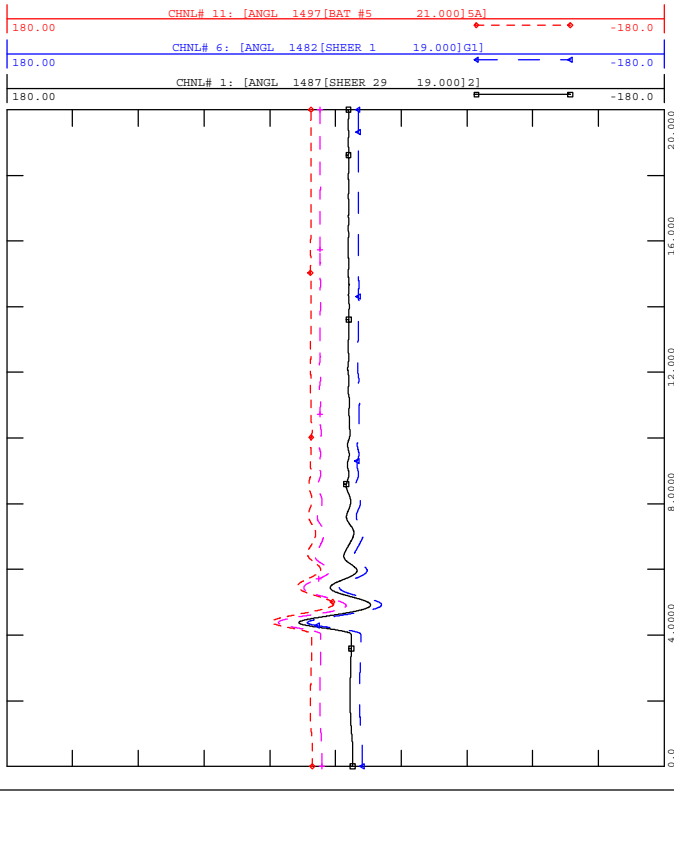
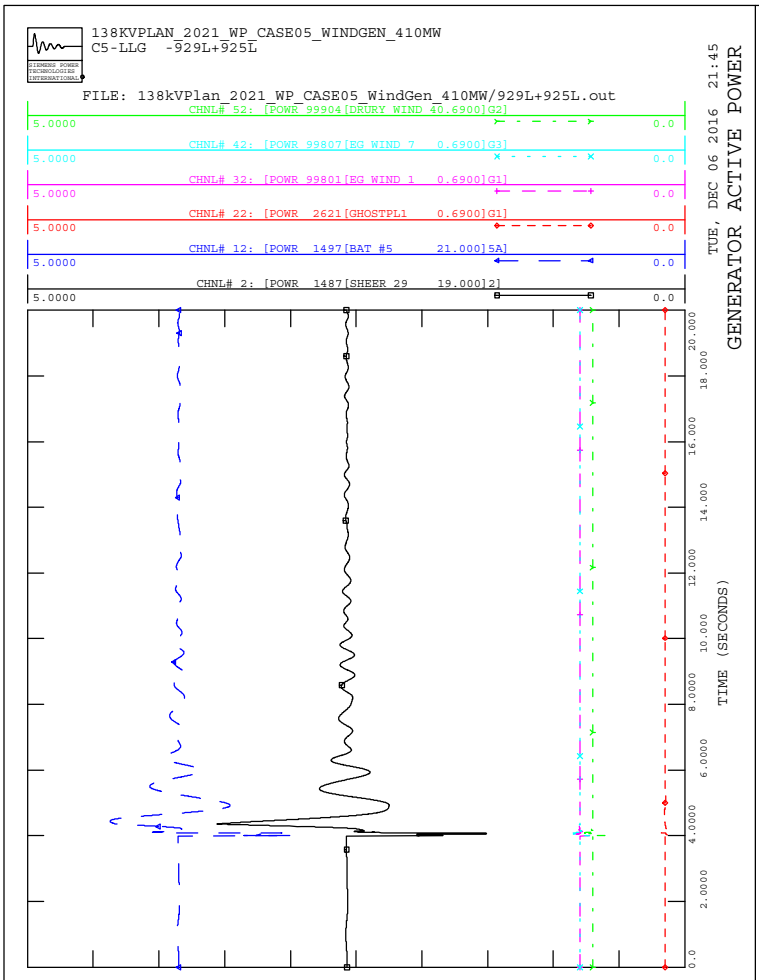
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -929L+925L
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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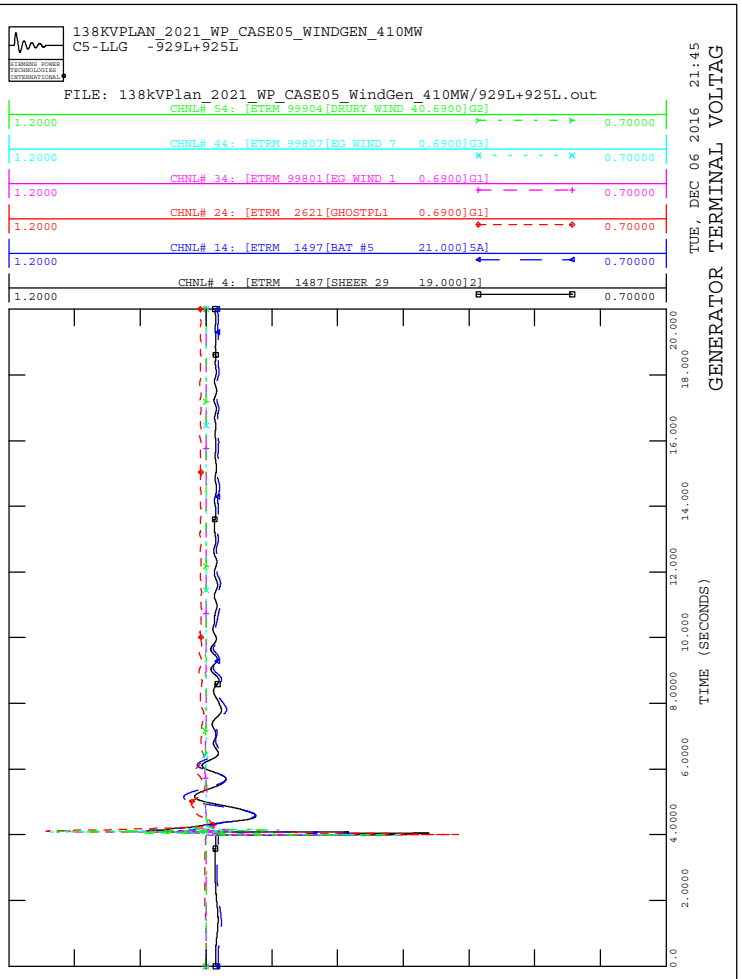
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C5-LLG -929L+925L
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CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
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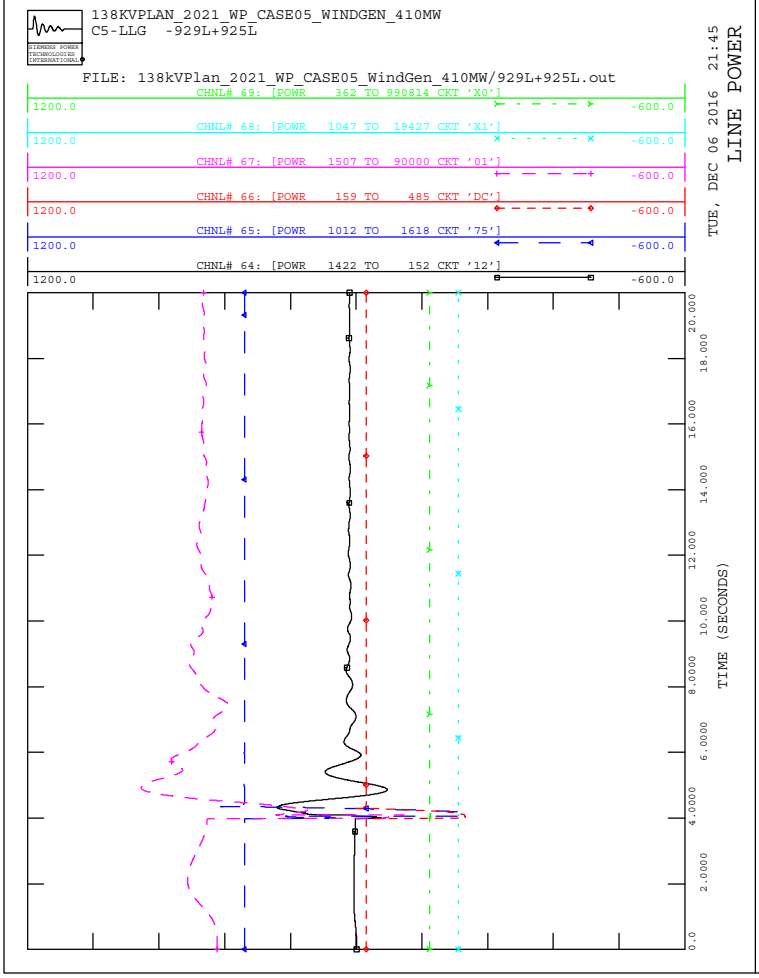
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C5-LLG -929L+925L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/929L+925L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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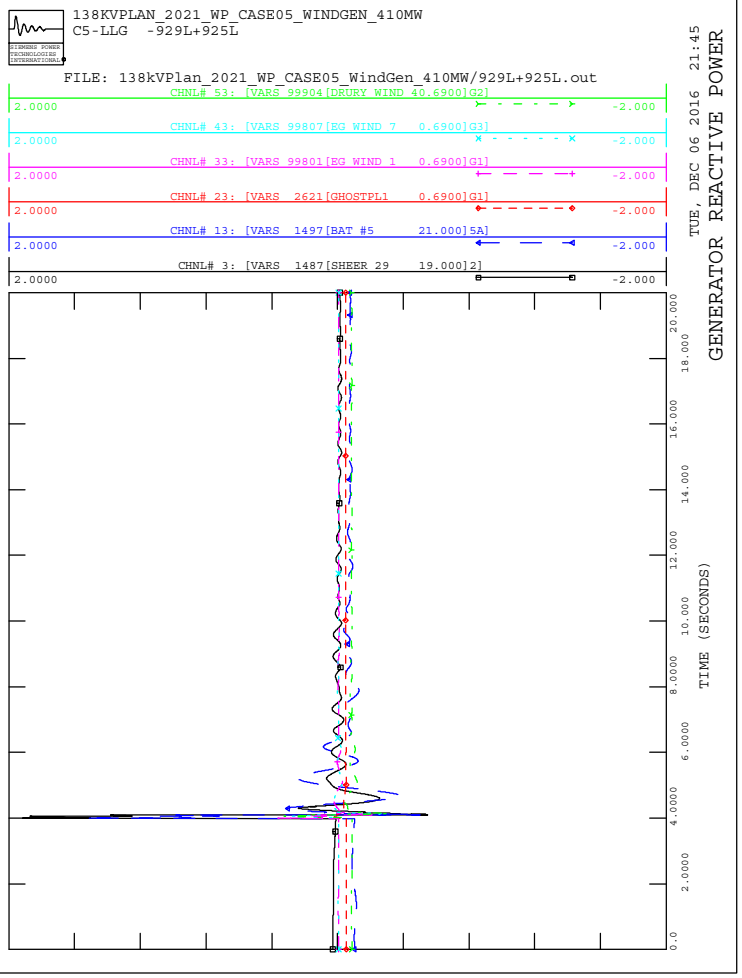
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C5-LLG -929L+925L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/929L+925L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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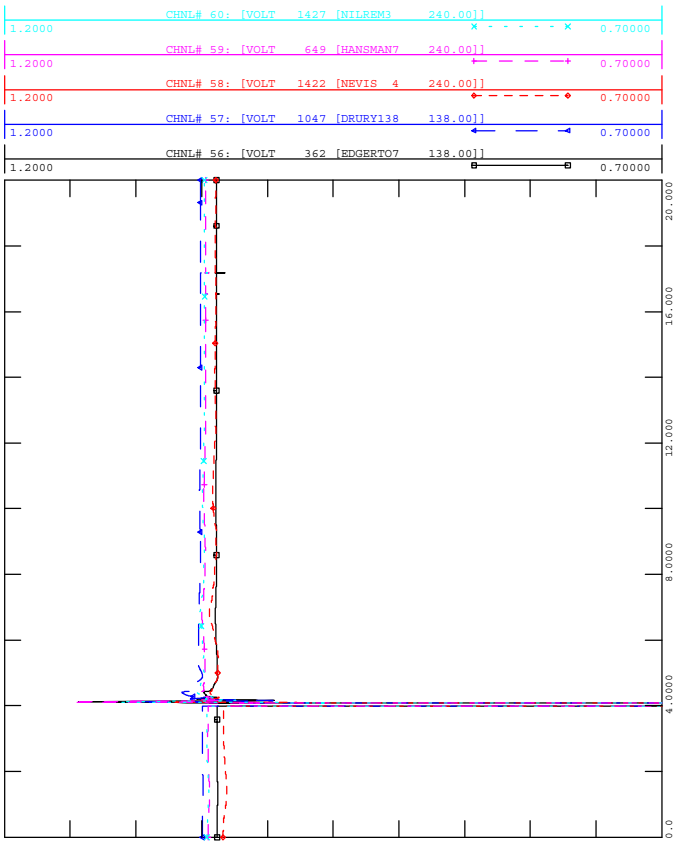
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L80+9L79

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80+9L79.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L80+9L79

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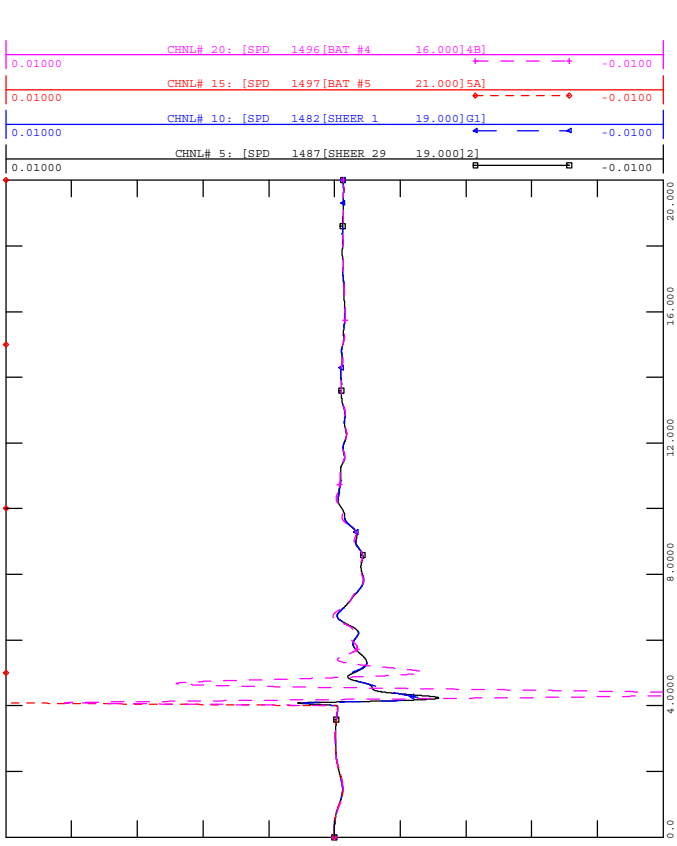
TUE, DEC 06 2016 21:45

MACHINE SPEED

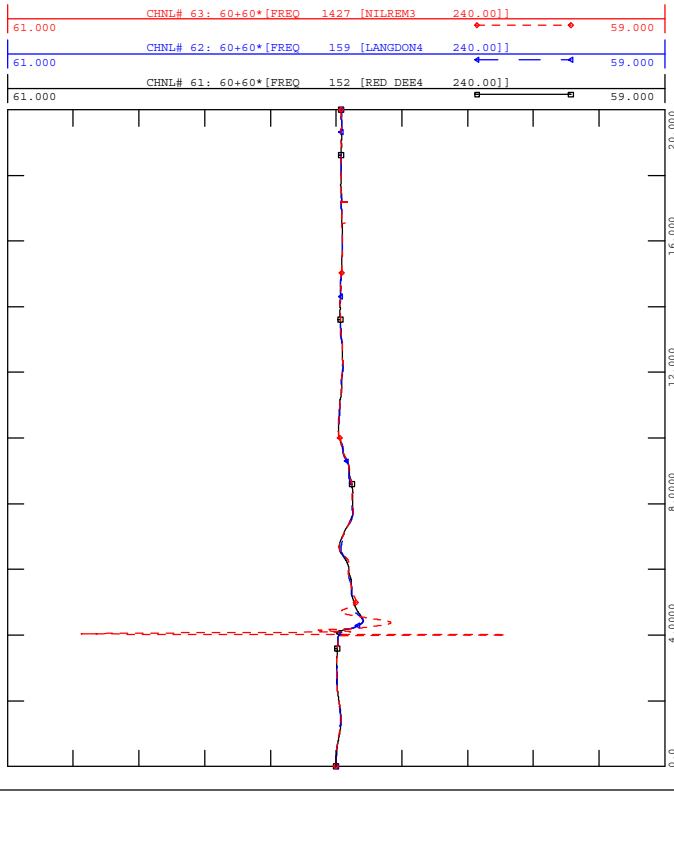


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L80+9L79

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80+9L79.out

TUE, DEC 06 2016 21:45

FREQUENCY

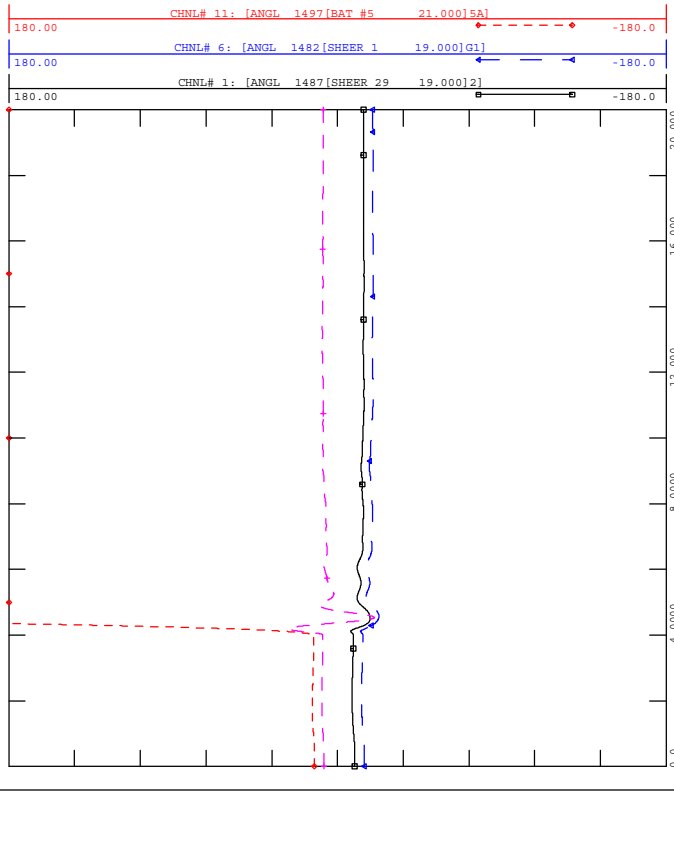


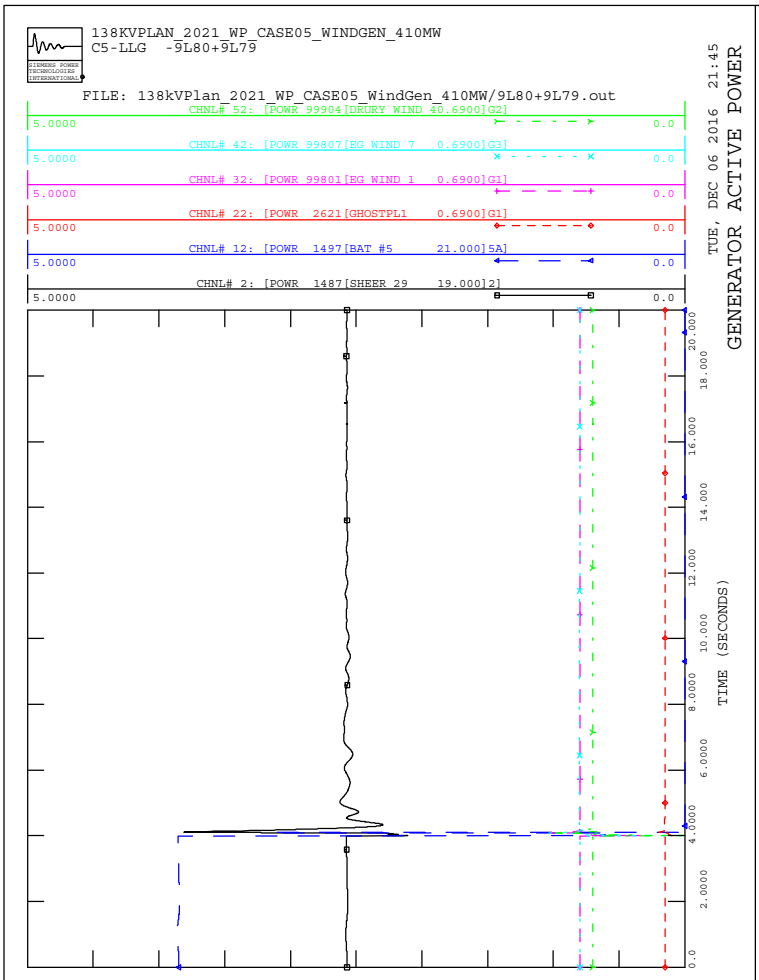
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L80+9L79

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80+9L79.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE

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C5-LLG -9L80+9L79
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
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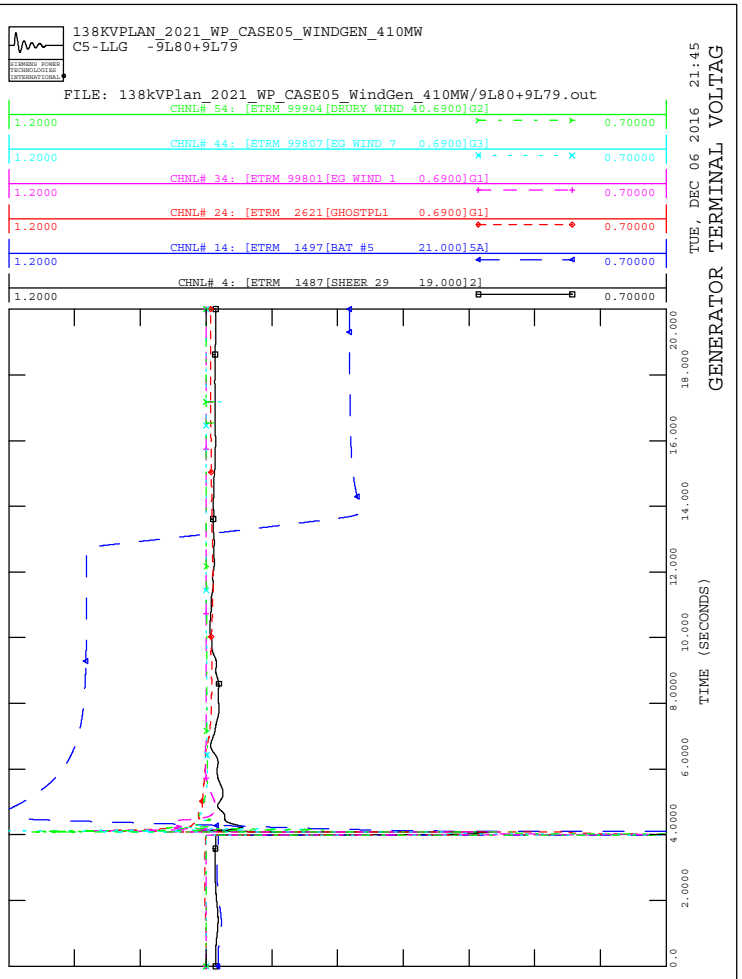
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L80+9L79
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80+9L79.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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8.0000
10.000
12.000
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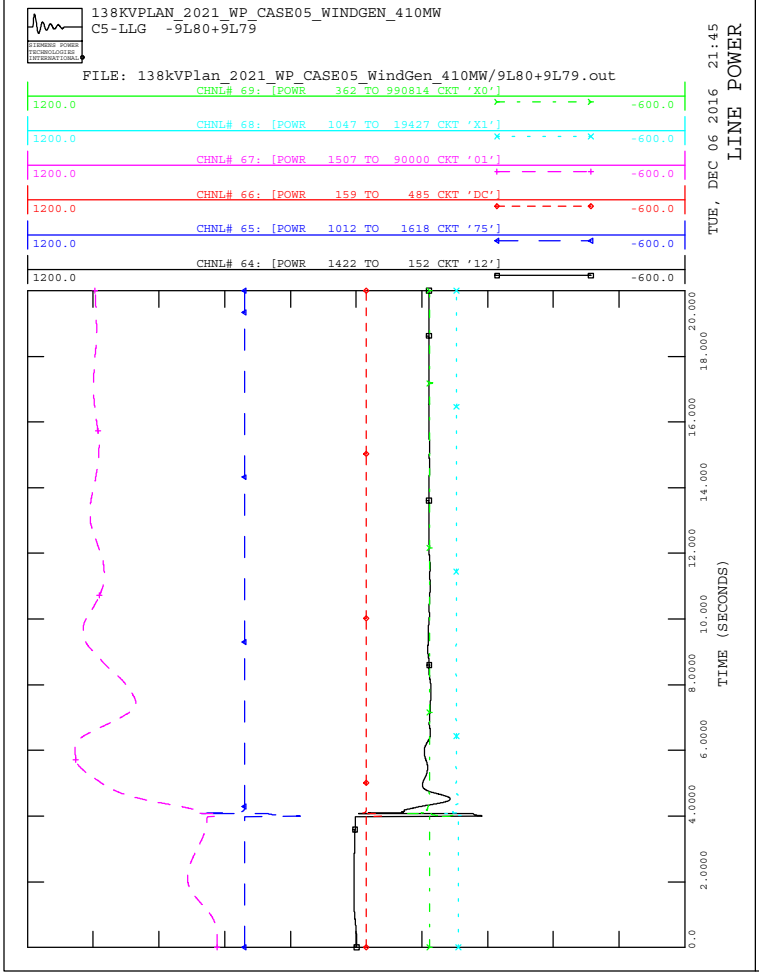
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L80+9L79
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80+9L79.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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4.0000
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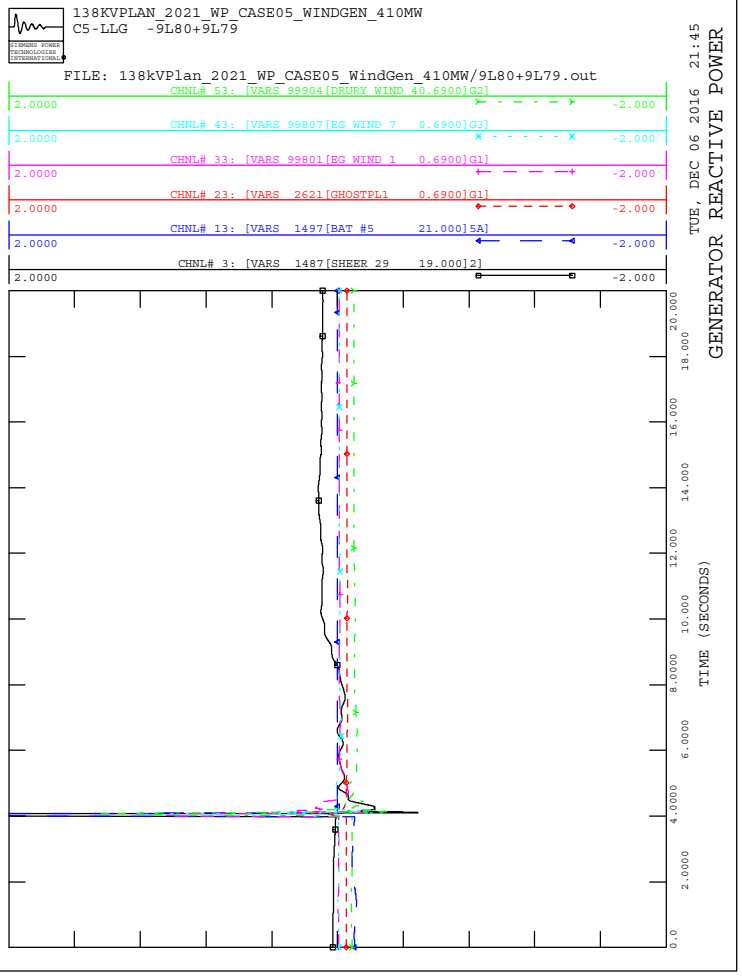
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L80+9L79
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80+9L79.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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8.0000
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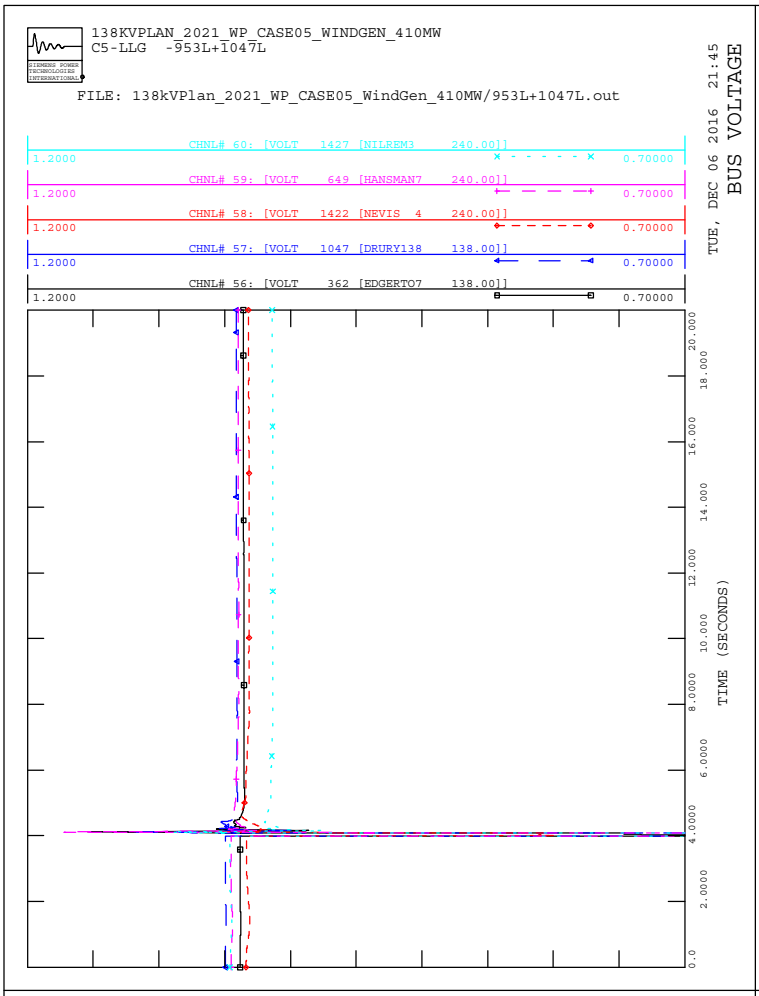
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -953L+1047L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/953L+1047L.out
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
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0.70000
TUE, DEC 06 2016 21:45
BUS VOLTAGE
TIME (SECONDS)
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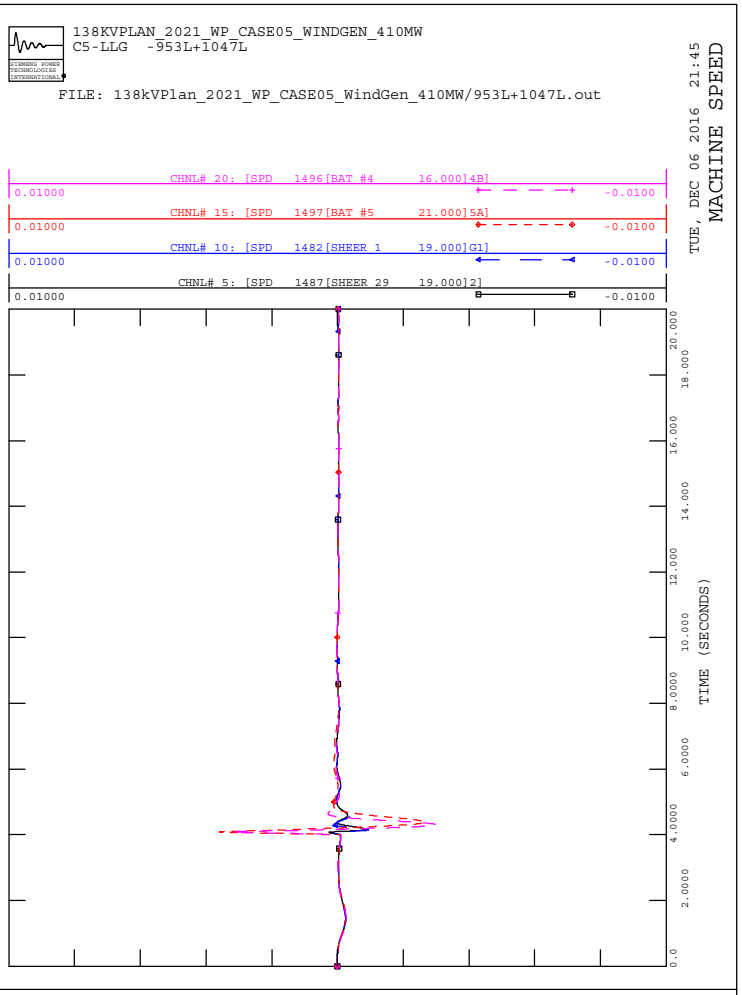
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -953L+1047L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/953L+1047L.out
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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-0.0100
TUE, DEC 06 2016 21:45
MACHINE SPEED
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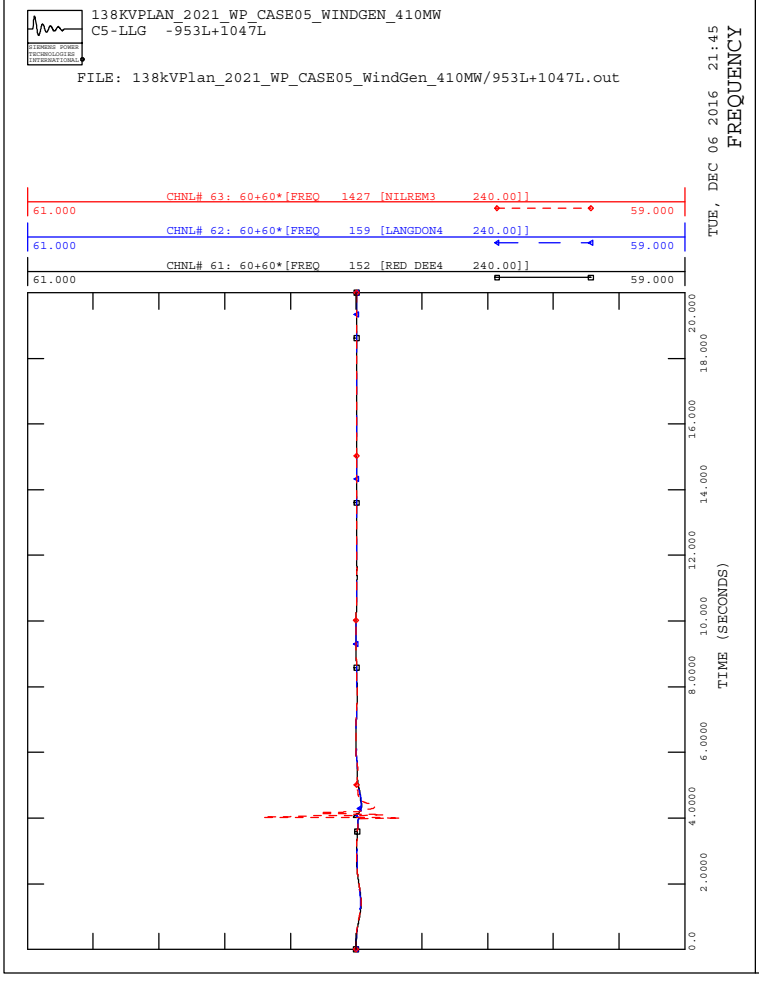
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -953L+1047L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/953L+1047L.out
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TUE, DEC 06 2016 21:45
FREQUENCY
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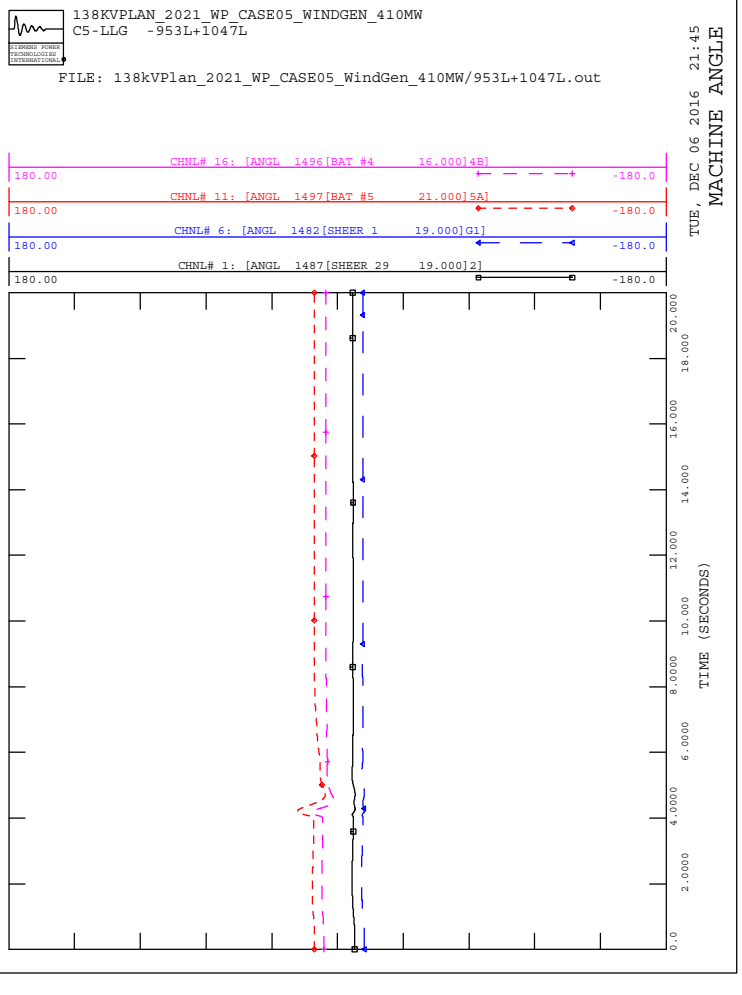
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -953L+1047L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/953L+1047L.out
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TUE, DEC 06 2016 21:45
MACHINE ANGLE
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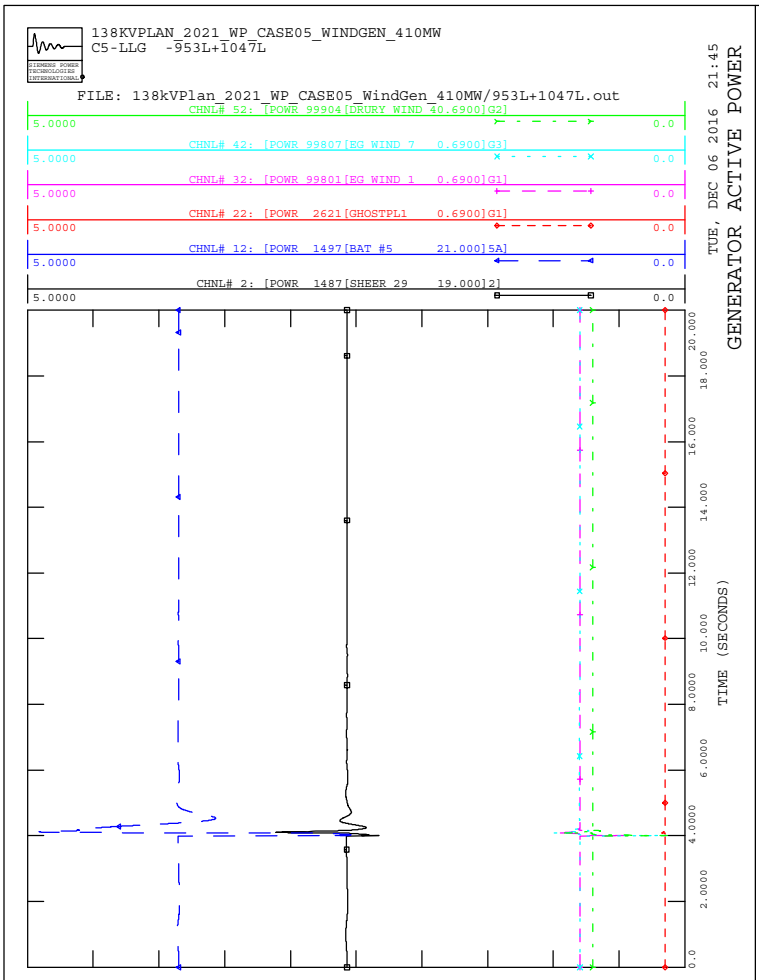
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -953L+1047L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/953L+1047L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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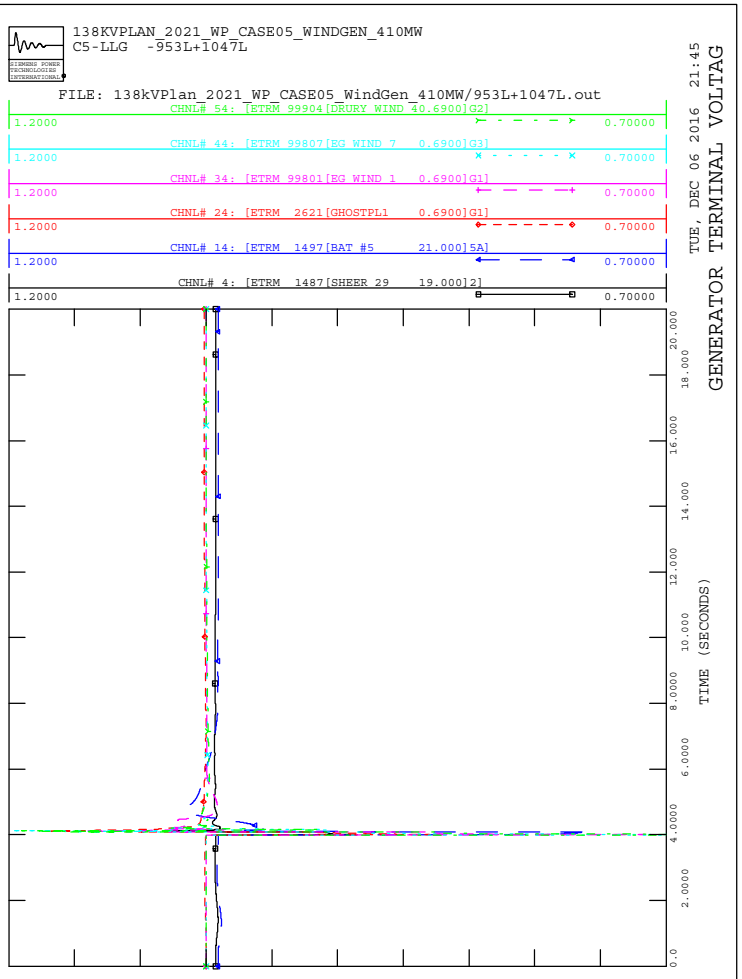
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -953L+1047L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/953L+1047L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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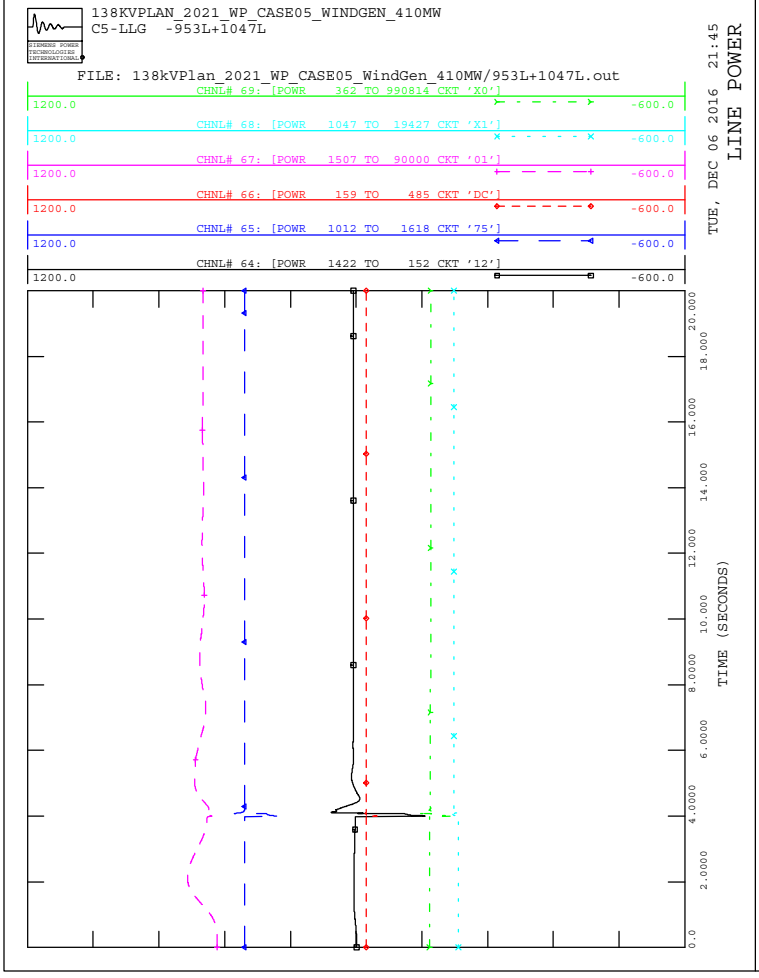
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -953L+1047L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/953L+1047L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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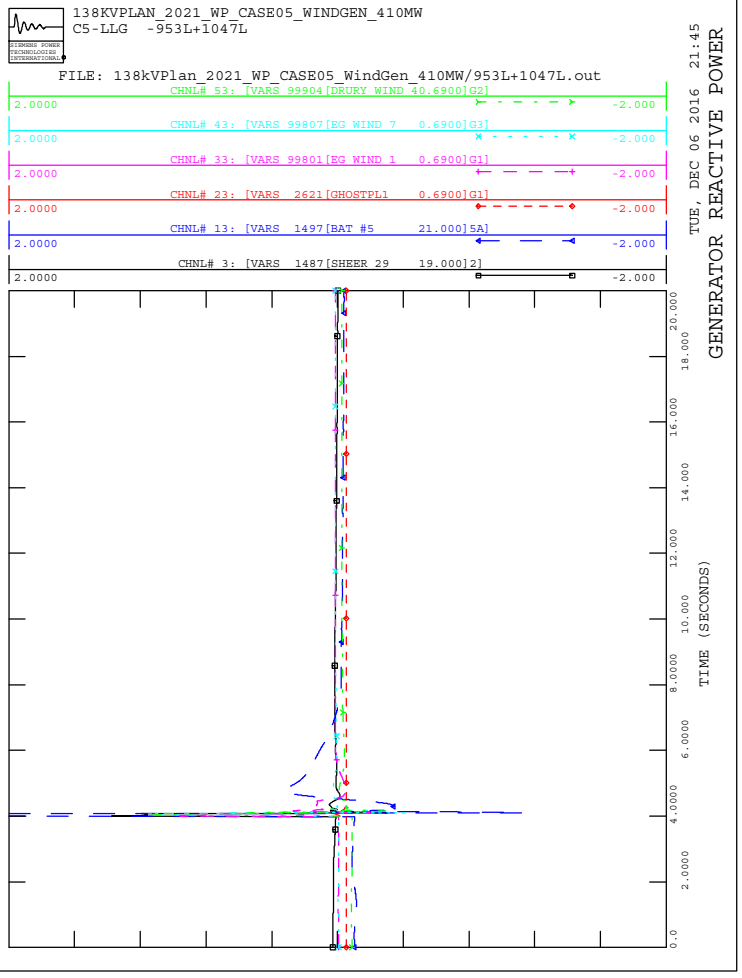
20.000

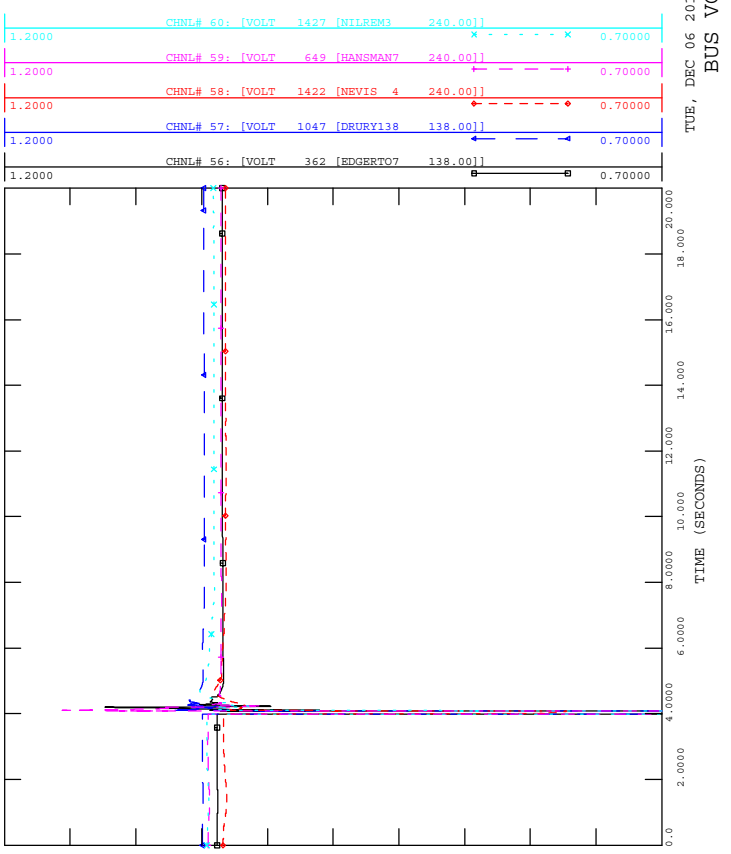

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -953L+1047L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/953L+1047L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -948L+1047L

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L+1047L.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

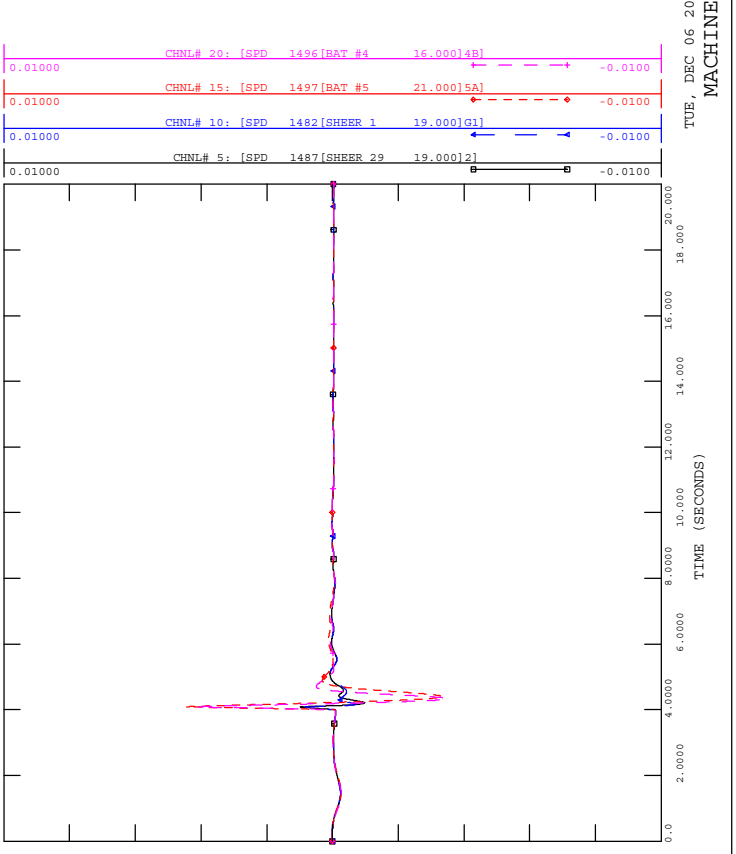


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -948L+1047L

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L+1047L.out

TUE, DEC 06 2016 21:45

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -948L+1047L

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L+1047L.out

TUE, DEC 06 2016 21:45

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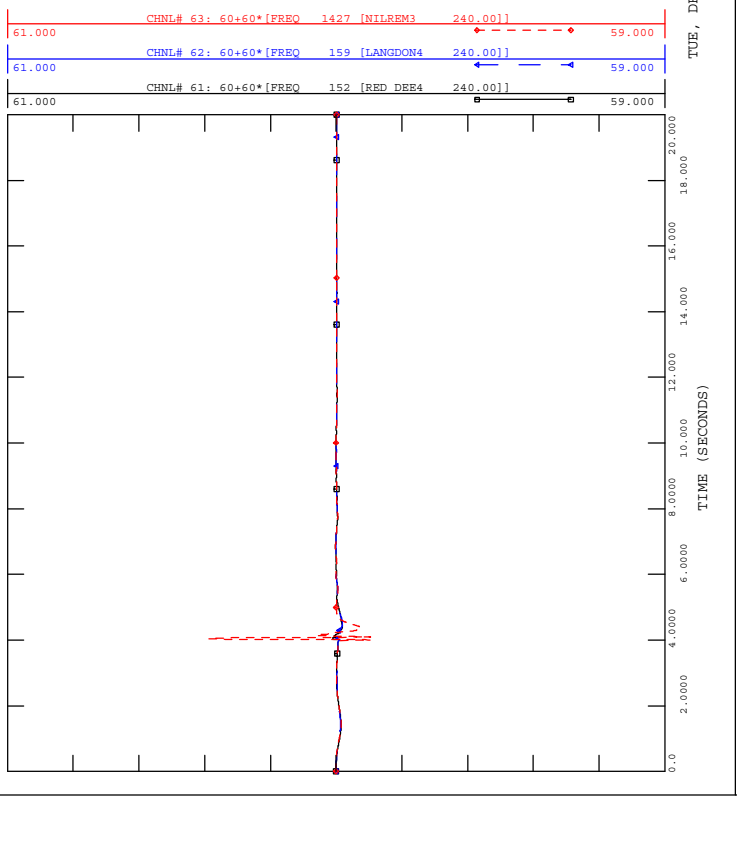
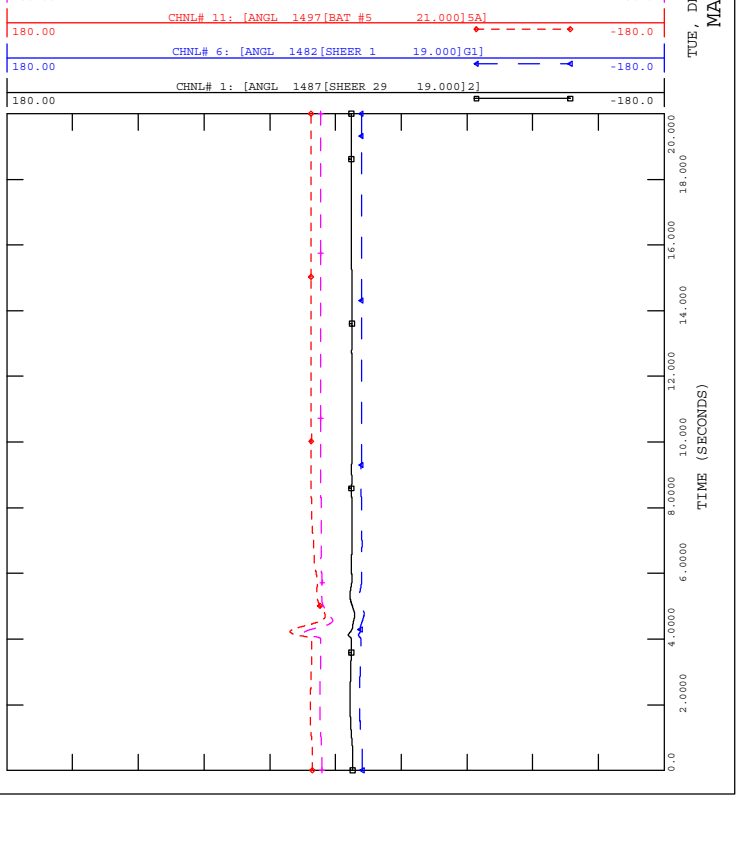


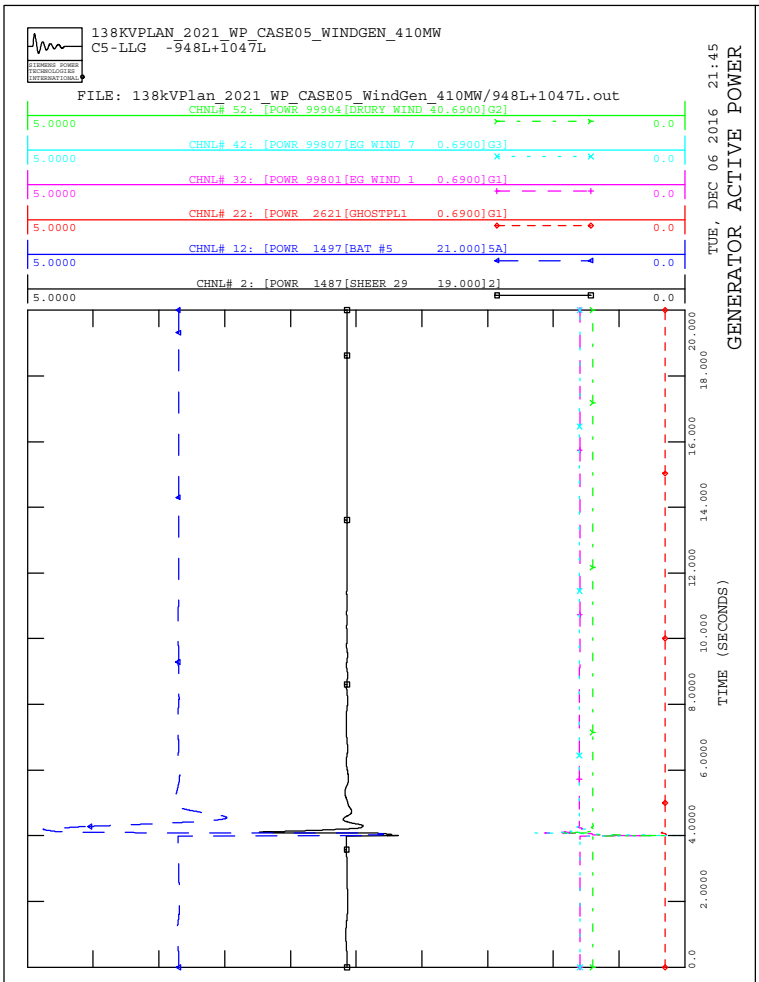
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -948L+1047L

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L+1047L.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE

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C5-LLG -948L+1047L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L+1047L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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4.0000
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8.0000
10.000
12.000
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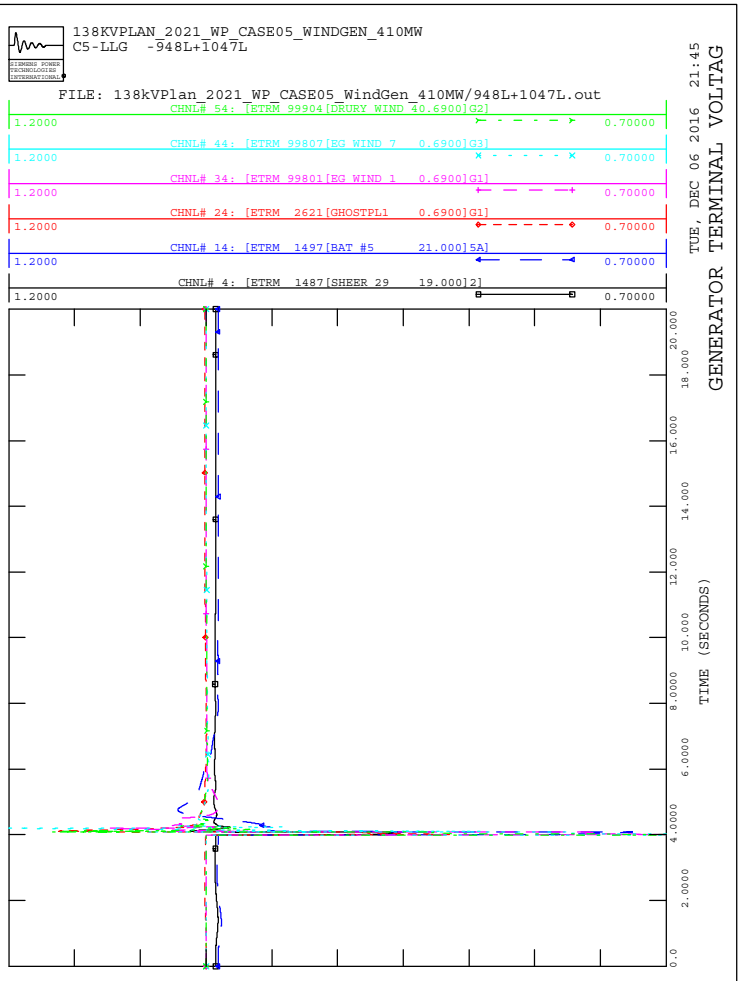
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -948L+1047L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L+1047L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
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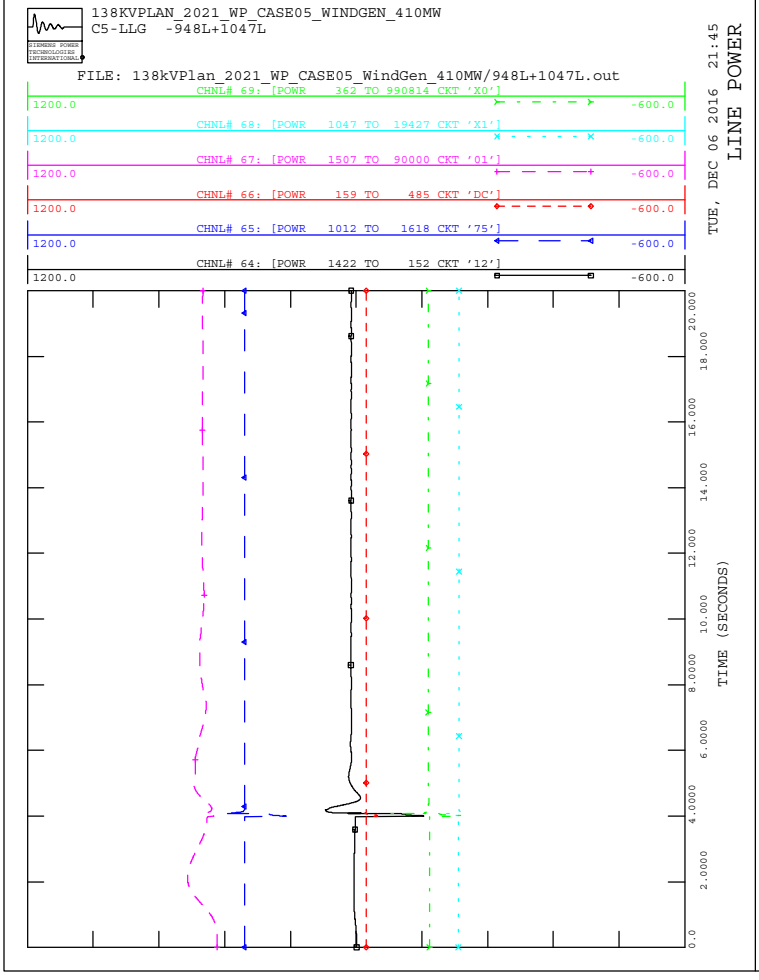
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -948L+1047L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L+1047L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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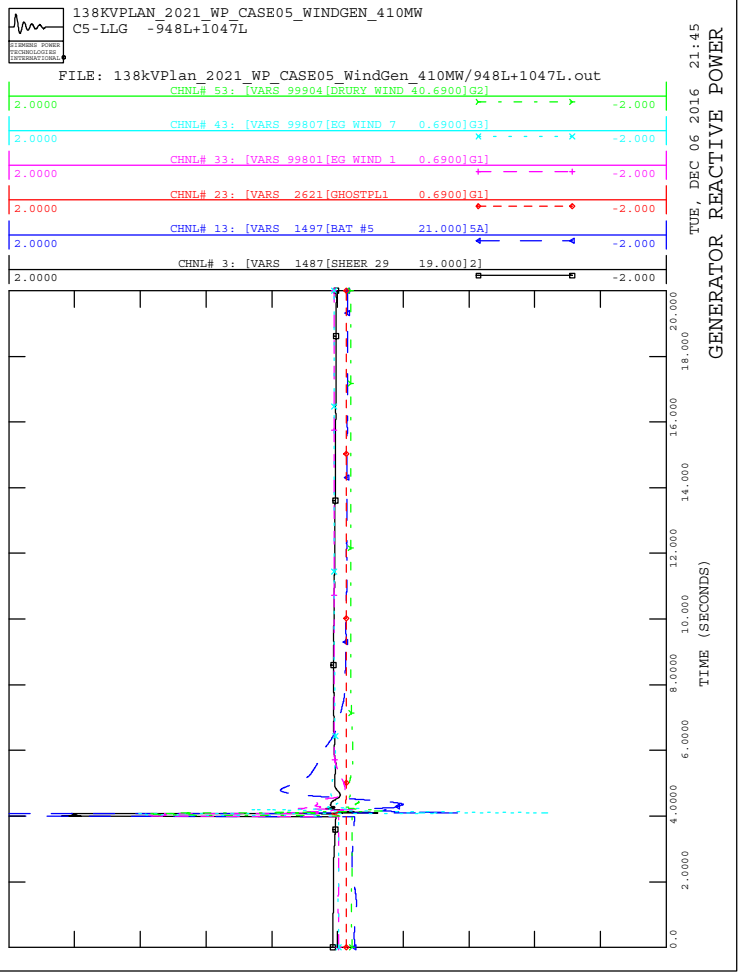
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -948L+1047L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L+1047L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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2.0000
4.0000
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8.0000
10.000
12.000
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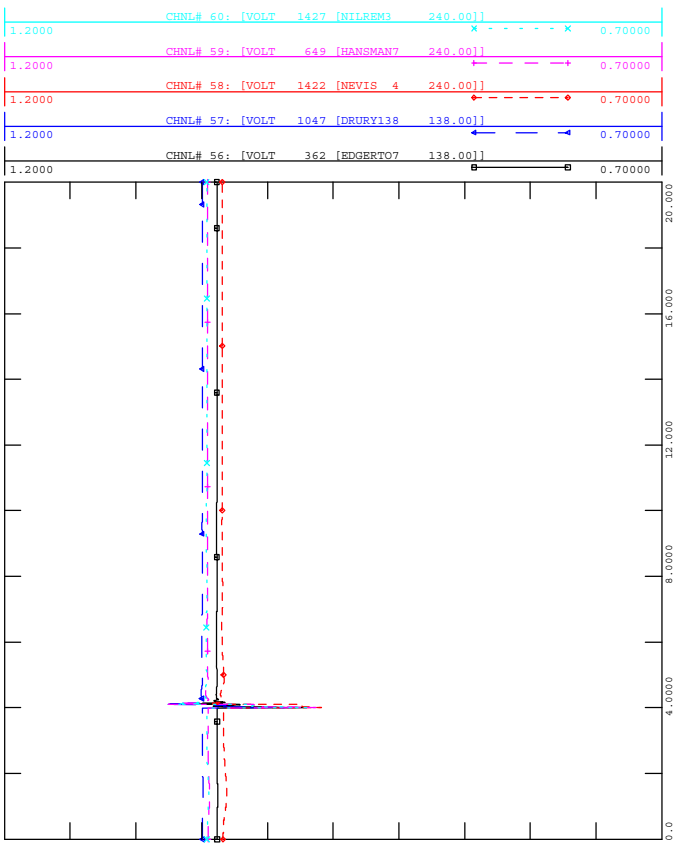
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L128+7L171

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L128+7L171.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

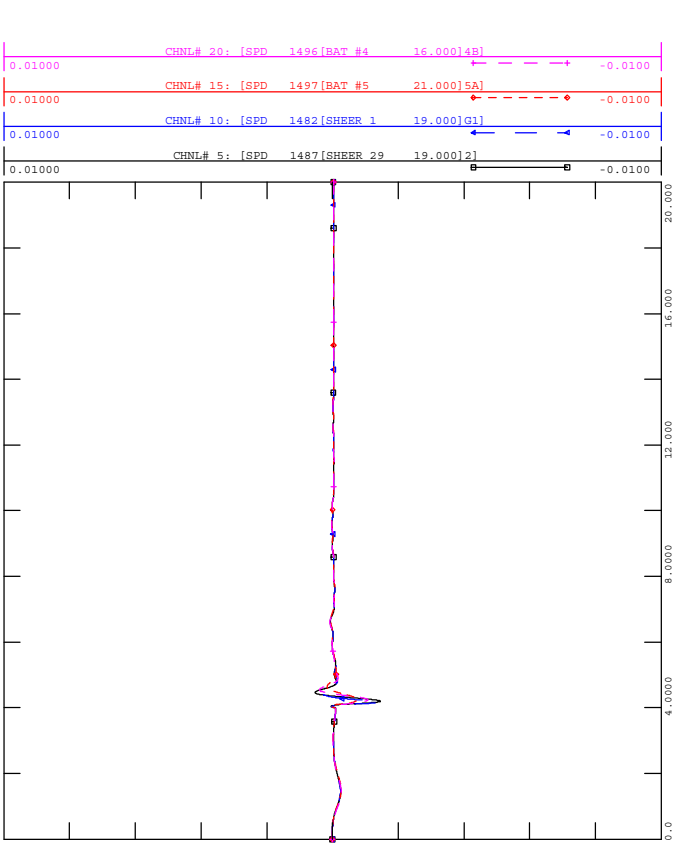


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L128+7L171

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L128+7L171.out

TUE, DEC 06 2016 21:45

MACHINE SPEED

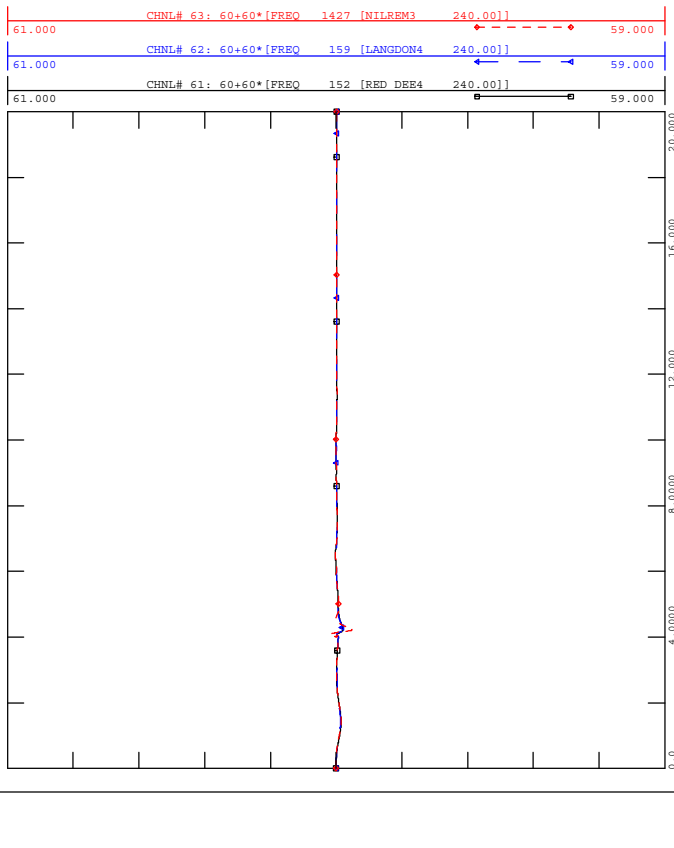


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L128+7L171

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L128+7L171.out

TUE, DEC 06 2016 21:45

FREQUENCY

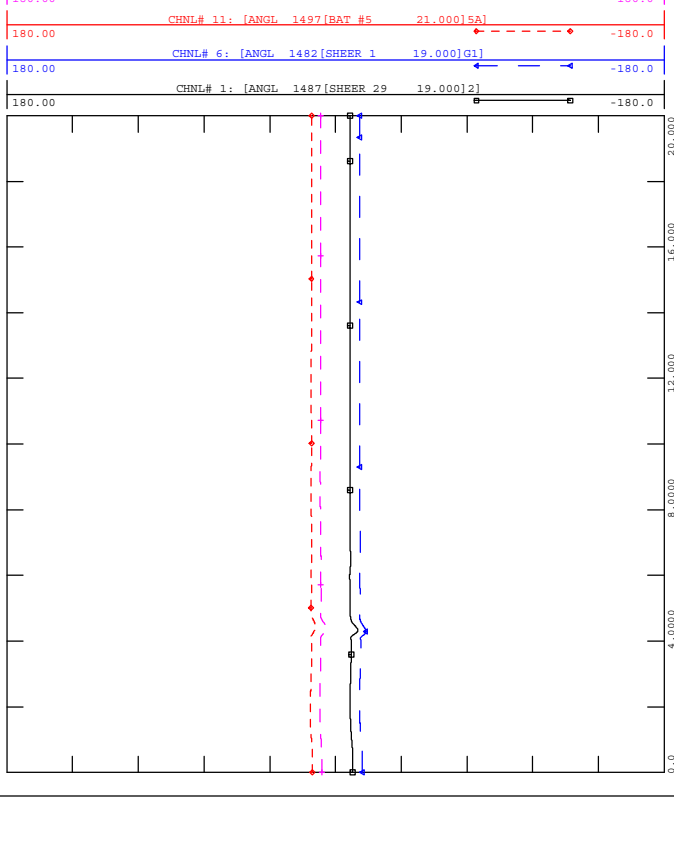


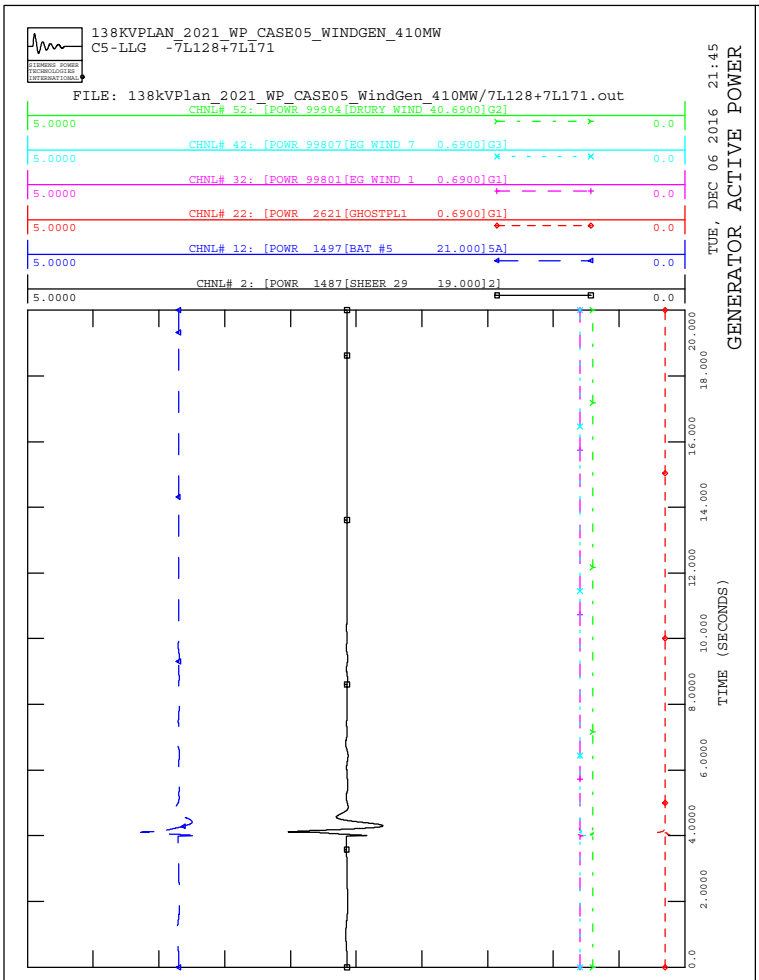
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L128+7L171

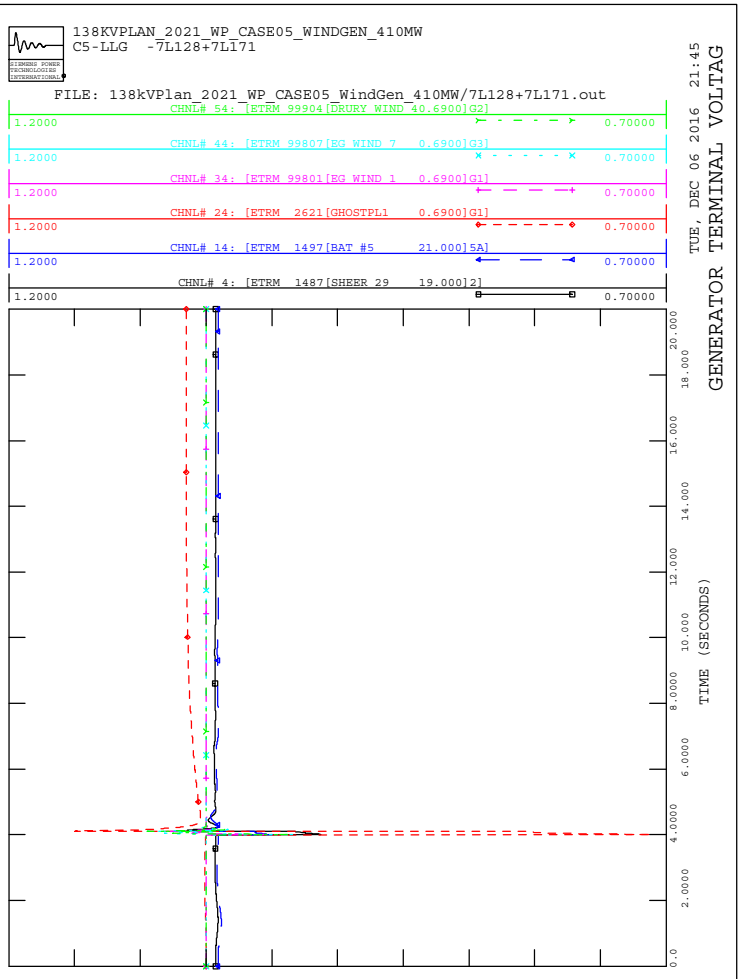
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L128+7L171.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L128+7L171
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L128+7L171.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L128+7L171
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L128+7L171.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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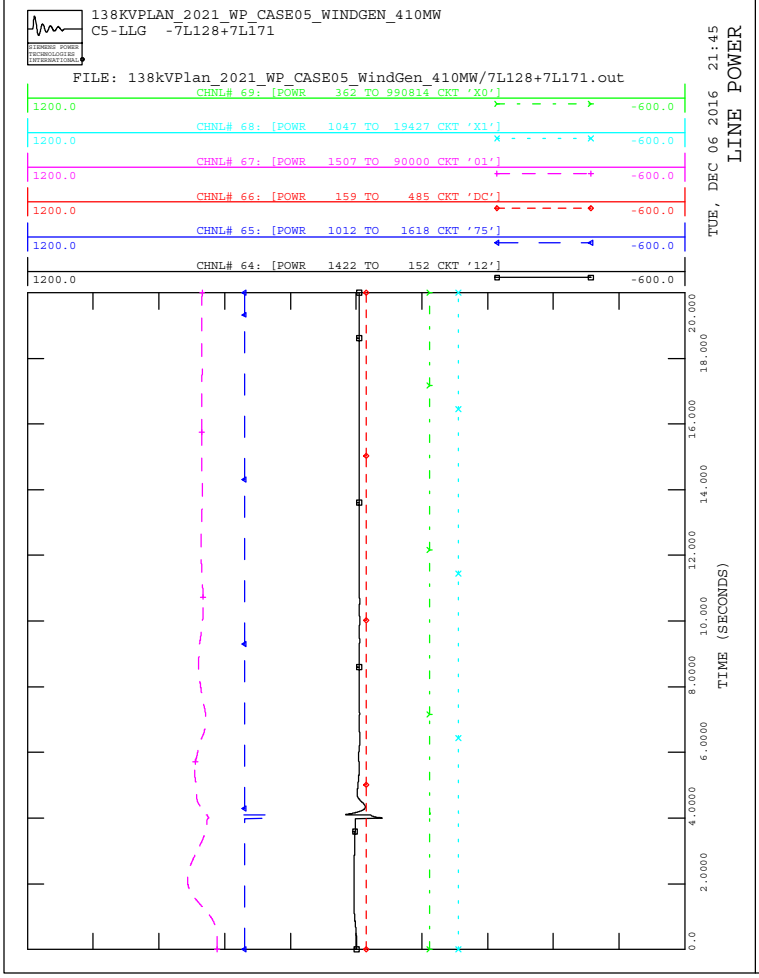
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L128+7L171
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L128+7L171.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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4.0000
6.0000
8.0000
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12.000
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16.000
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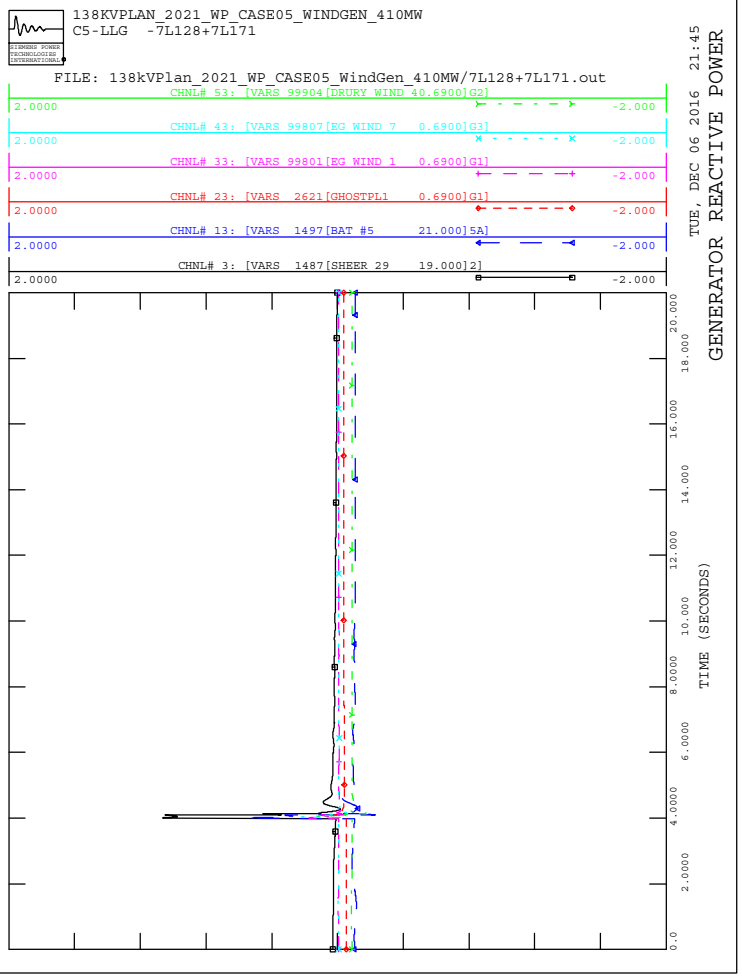
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L128+7L171
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L128+7L171.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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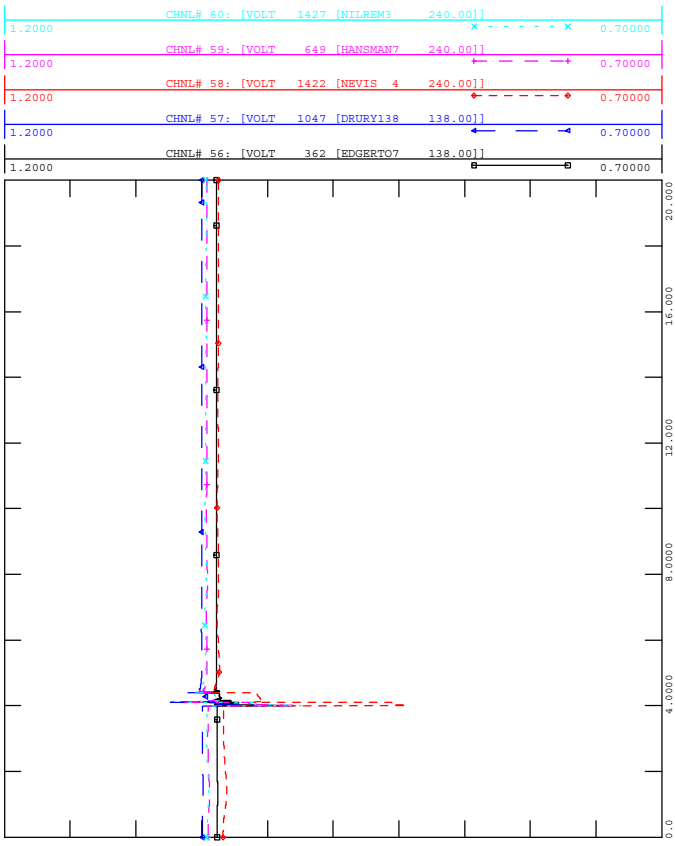
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L16+7L159

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L16+7L159.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

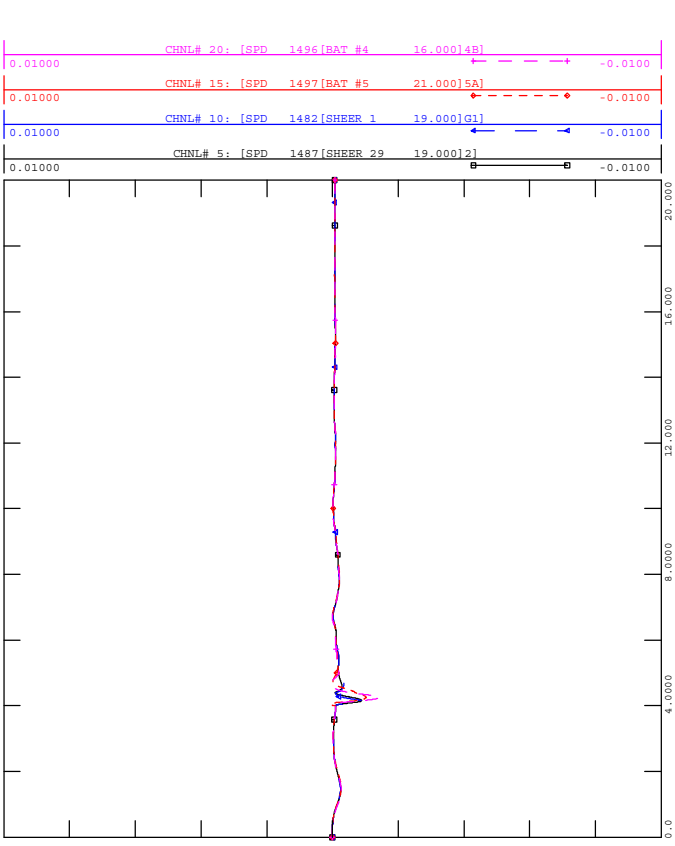


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L16+7L159

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L16+7L159.out

TUE, DEC 06 2016 21:45

MACHINE SPEED

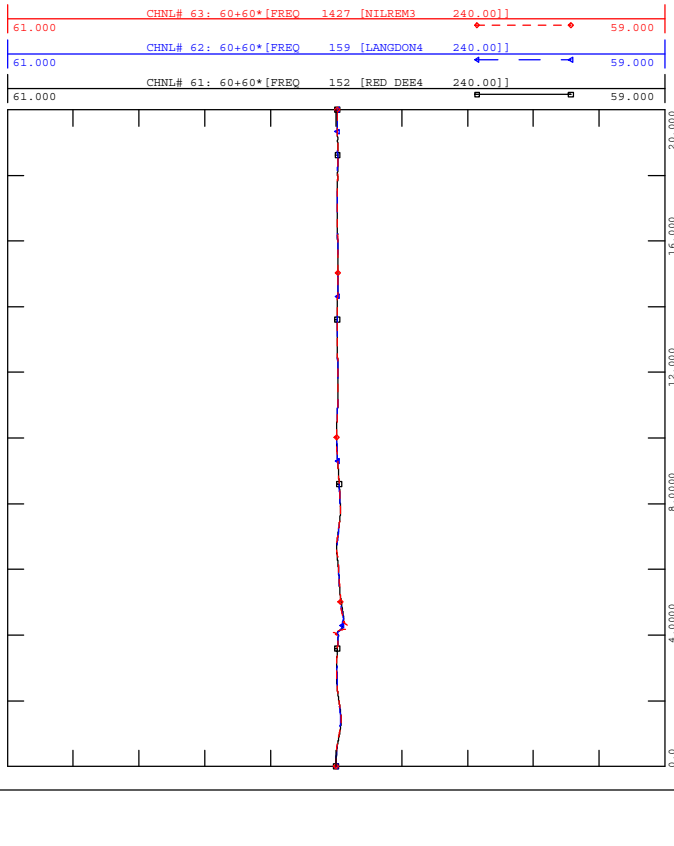


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L16+7L159

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L16+7L159.out

TUE, DEC 06 2016 21:45

FREQUENCY

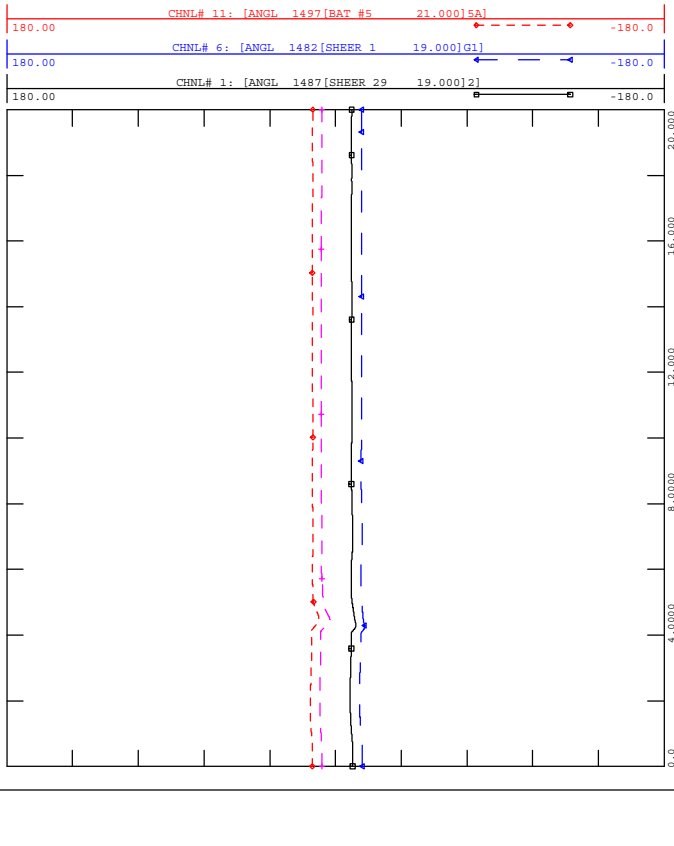


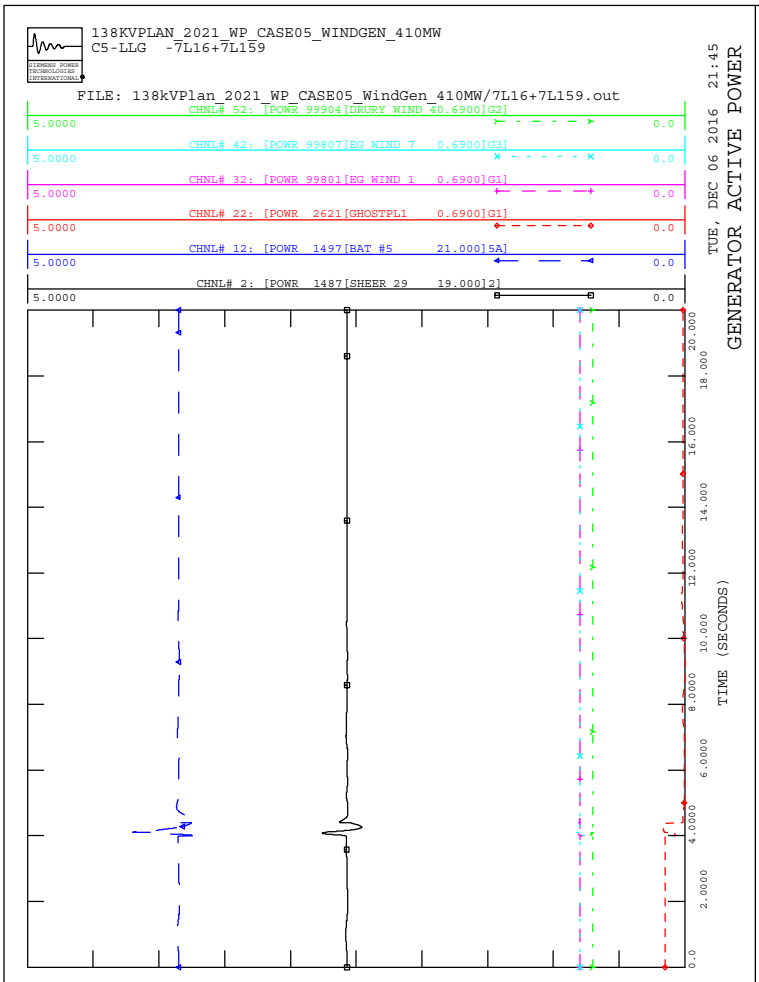
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L16+7L159

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L16+7L159.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L16+7L159
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L16+7L159.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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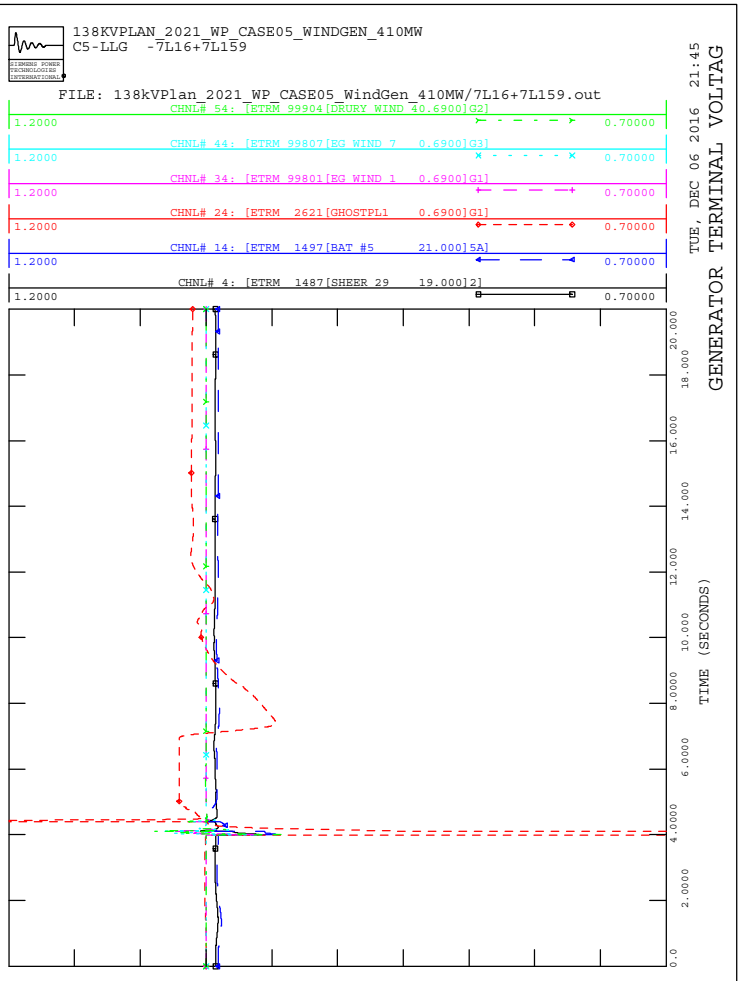
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L16+7L159
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L16+7L159.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
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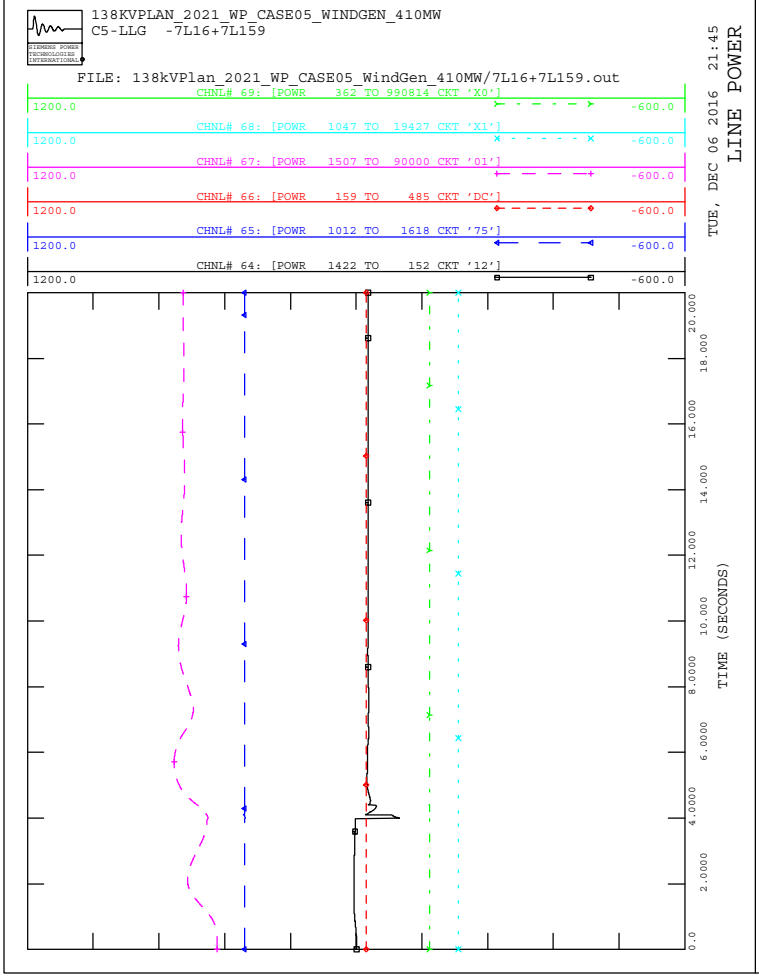
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L16+7L159
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L16+7L159.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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10.000
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14.000
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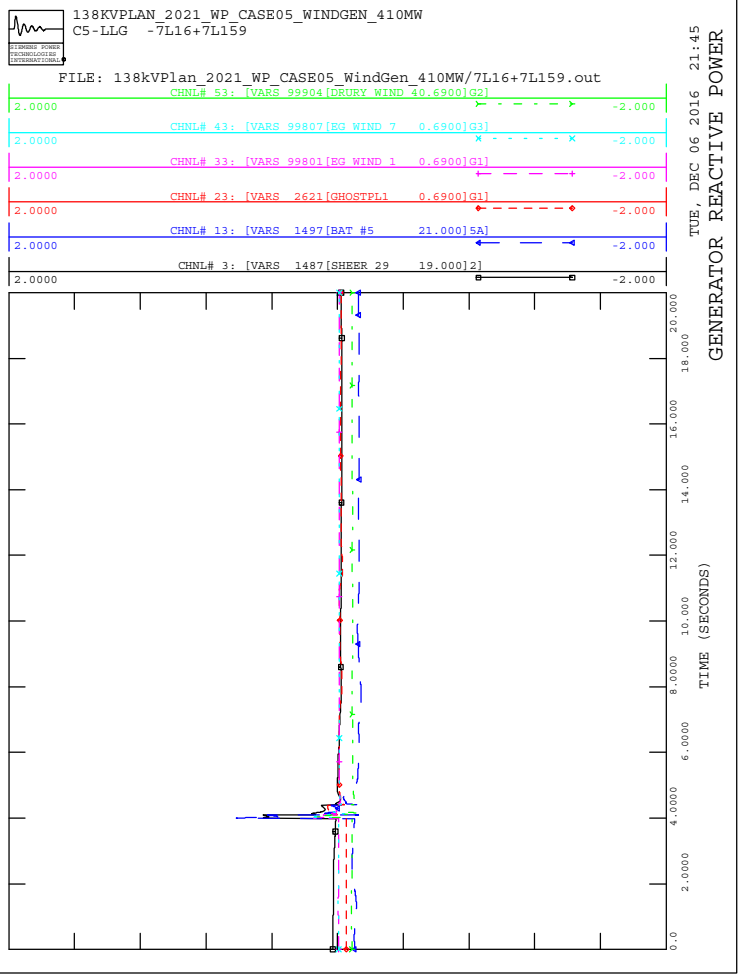
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L16+7L159
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L16+7L159.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
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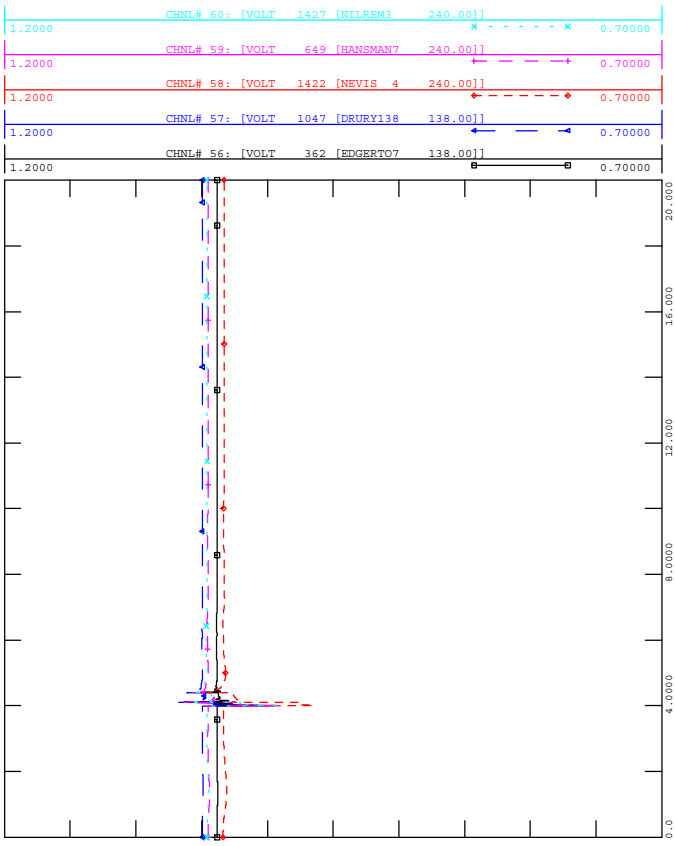
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L25+7L137

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L25+7L137.out

TUE, DEC 06 2016 21:45

BUS VOLTAGE

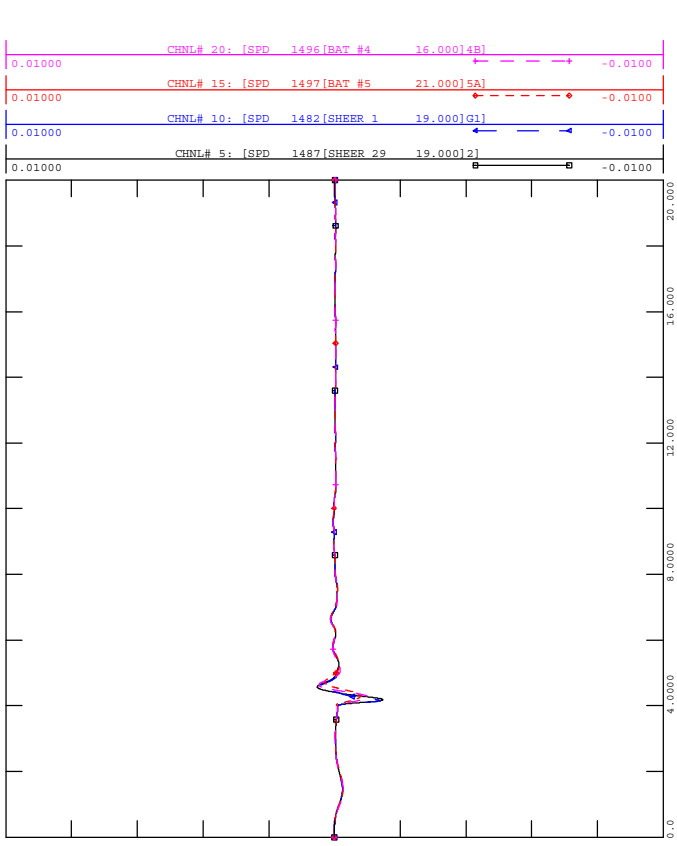


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L25+7L137

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L25+7L137.out

TUE, DEC 06 2016 21:45

MACHINE SPEED

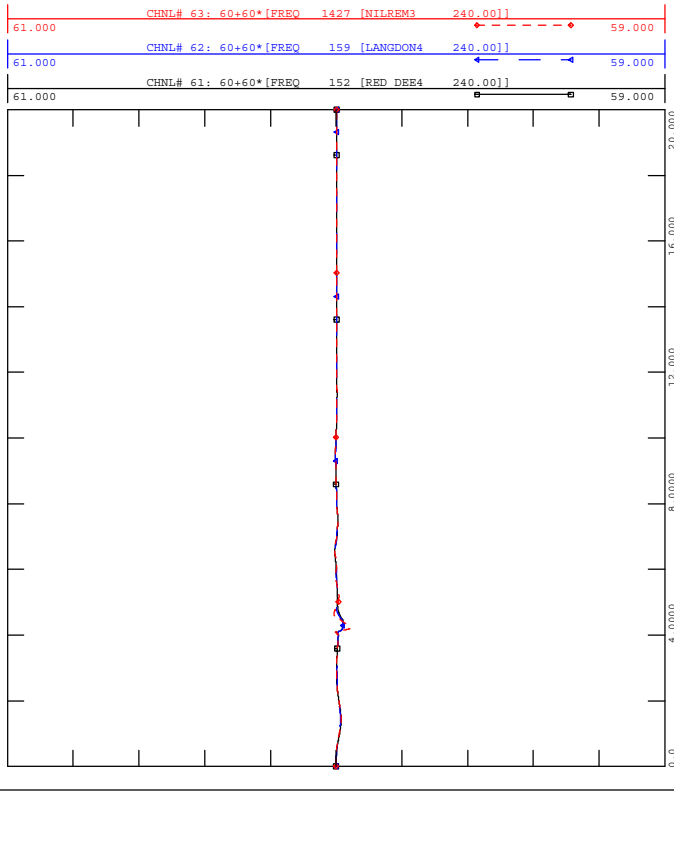


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L25+7L137

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L25+7L137.out

TUE, DEC 06 2016 21:45

FREQUENCY

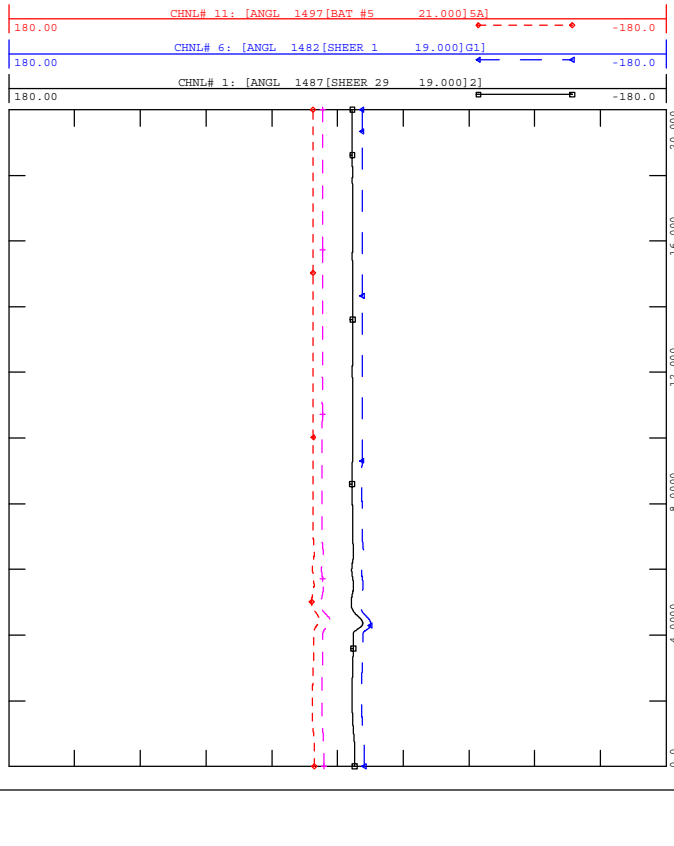


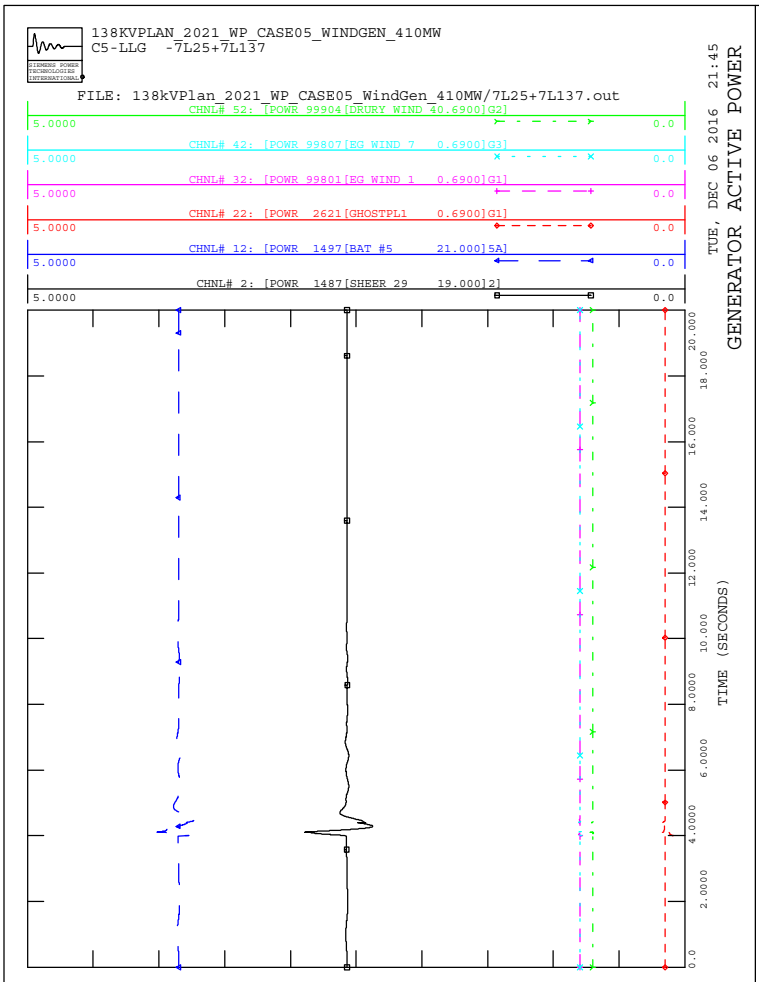
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L25+7L137

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L25+7L137.out

TUE, DEC 06 2016 21:45

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L25+7L137
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L25+7L137.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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14.000
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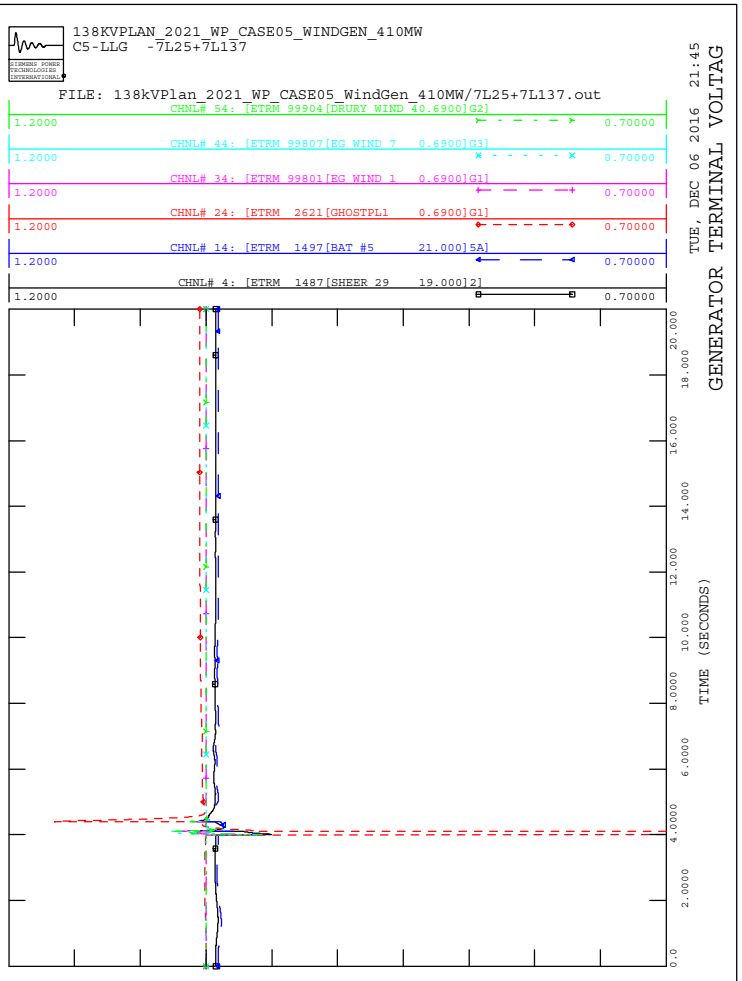
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L25+7L137
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L25+7L137.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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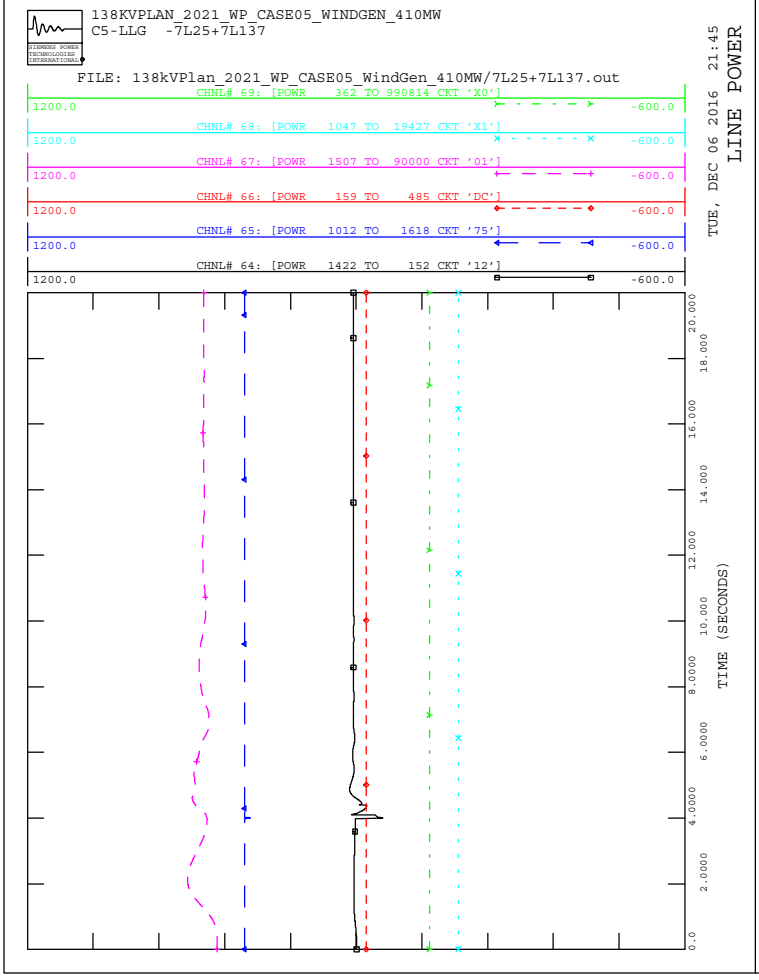
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L25+7L137
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L25+7L137.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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2.0000
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14.000
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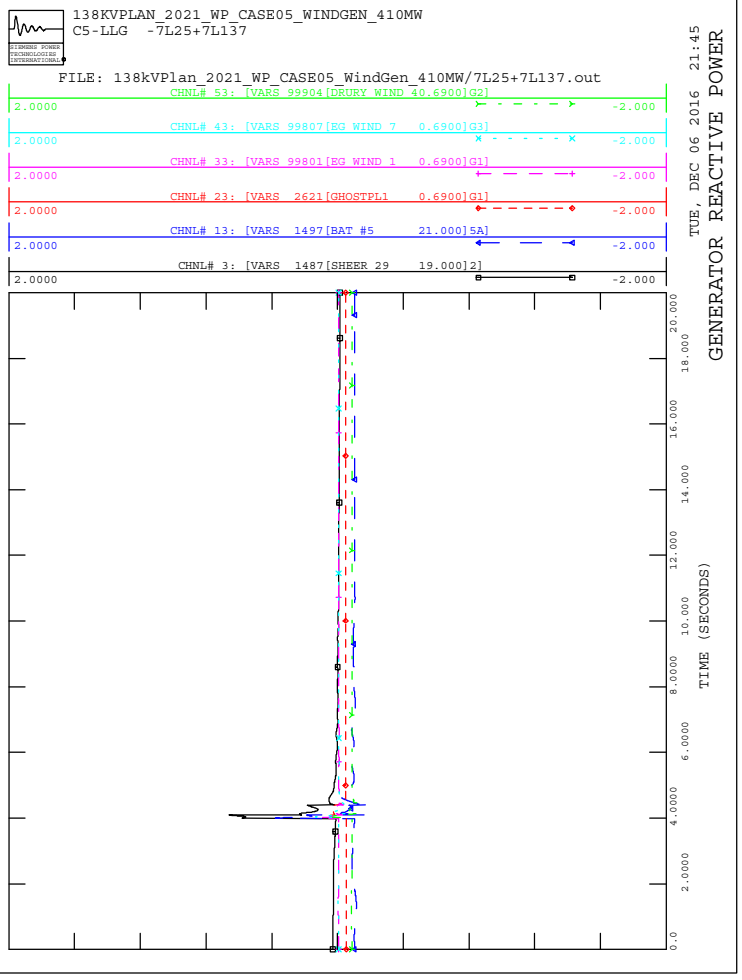
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -7L25+7L137
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L25+7L137.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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6.0000
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12.000
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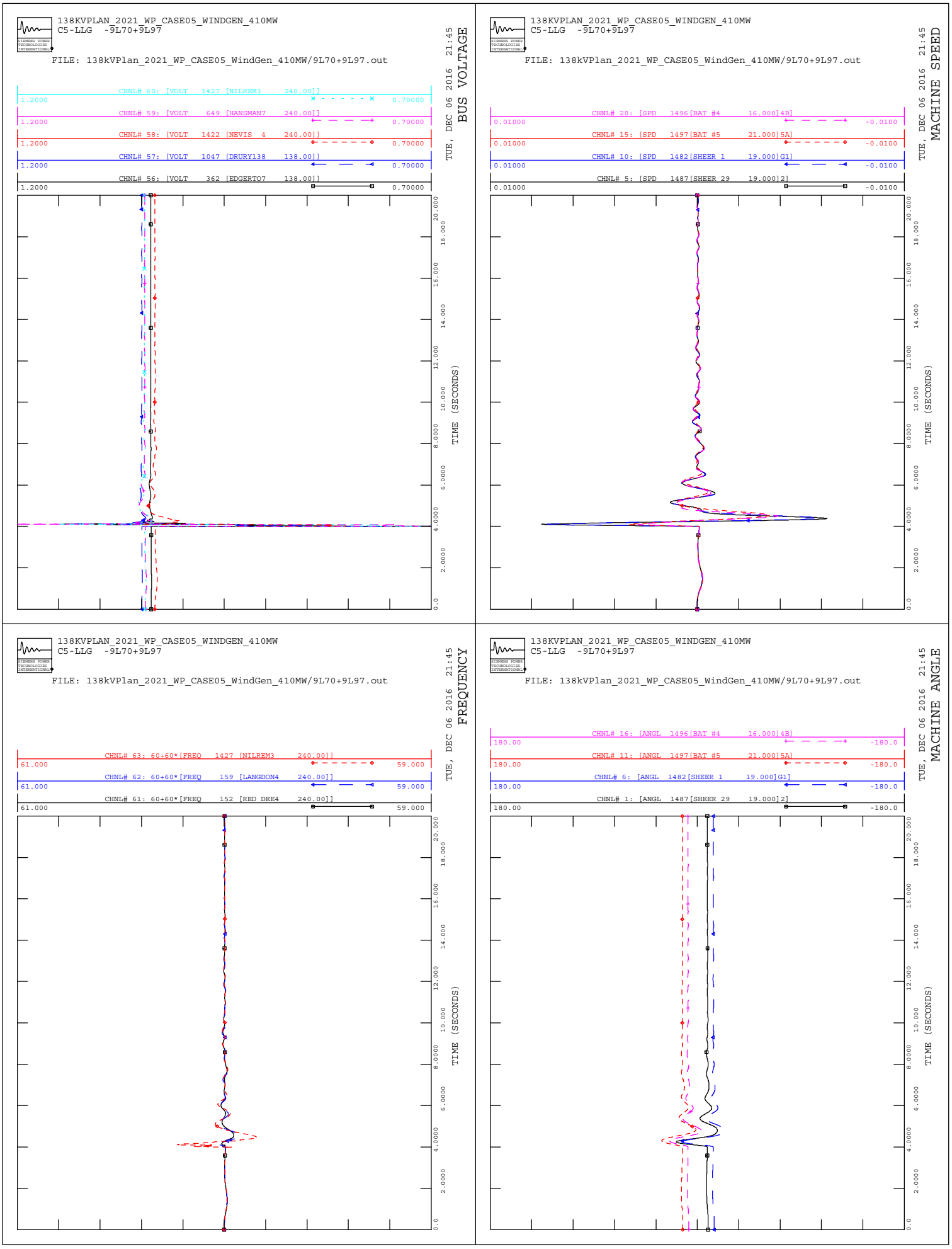
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L70+9L97
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70+9L97.out
TUE, DEC 06 2016 21:45
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L70+9L97
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70+9L97.out
TUE, DEC 06 2016 21:45
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L70+9L97
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70+9L97.out
TUE, DEC 06 2016 21:45
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L70+9L97
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70+9L97.out
TUE, DEC 06 2016 21:45
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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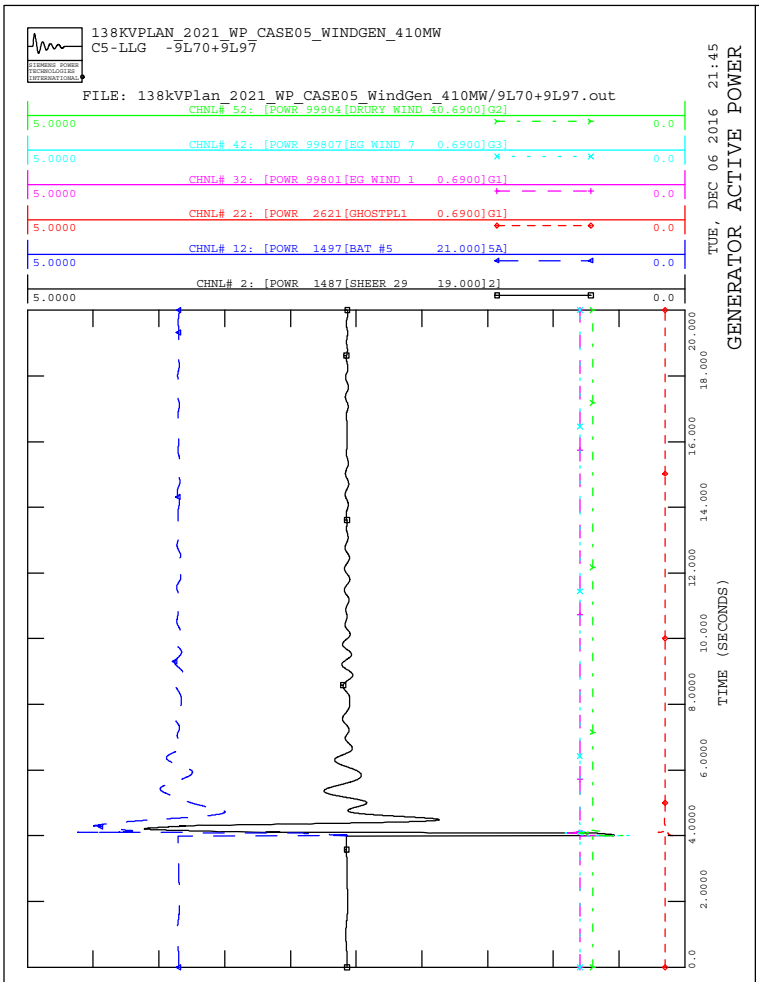
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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C5-LLG -9L70+9L97
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70+9L97.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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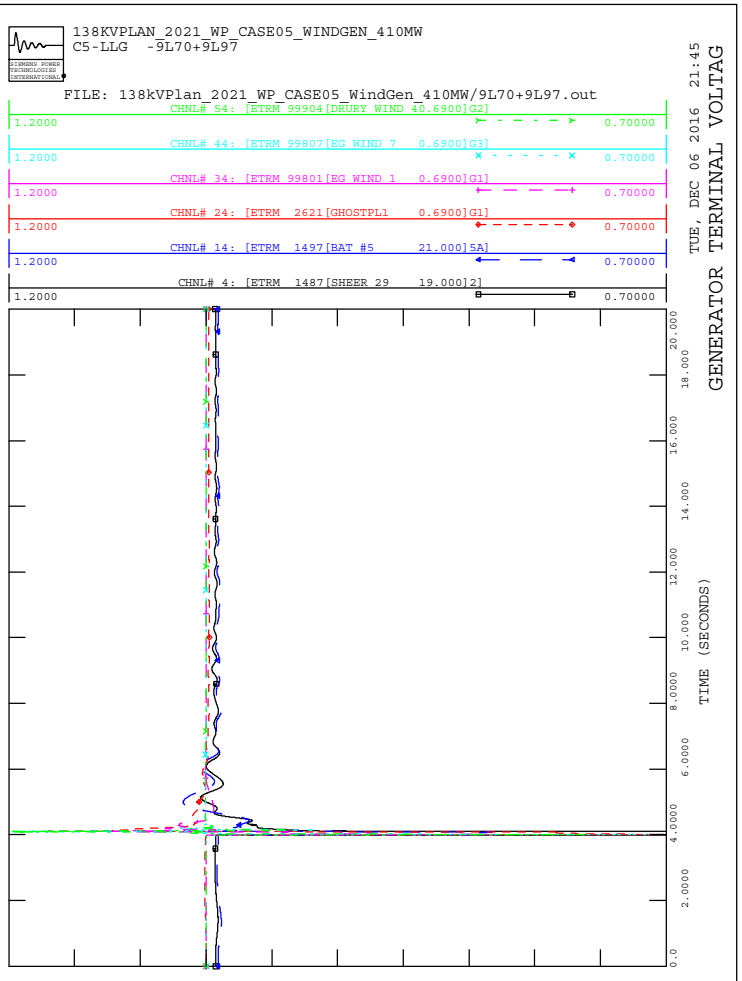
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L70+9L97
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70+9L97.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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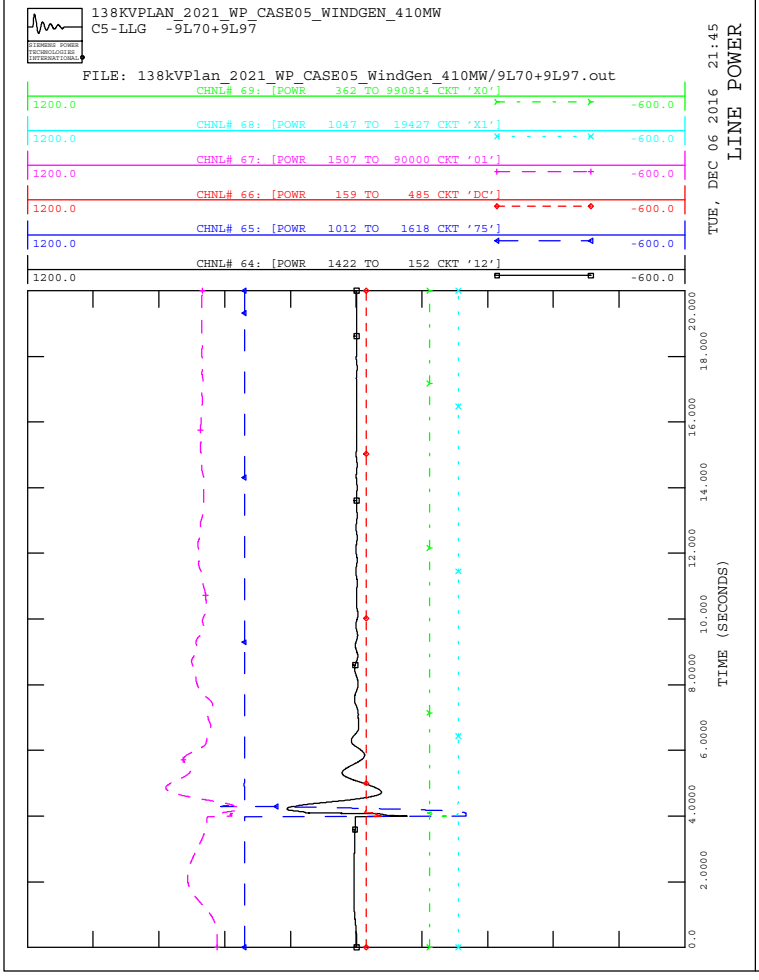
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -9L70+9L97
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70+9L97.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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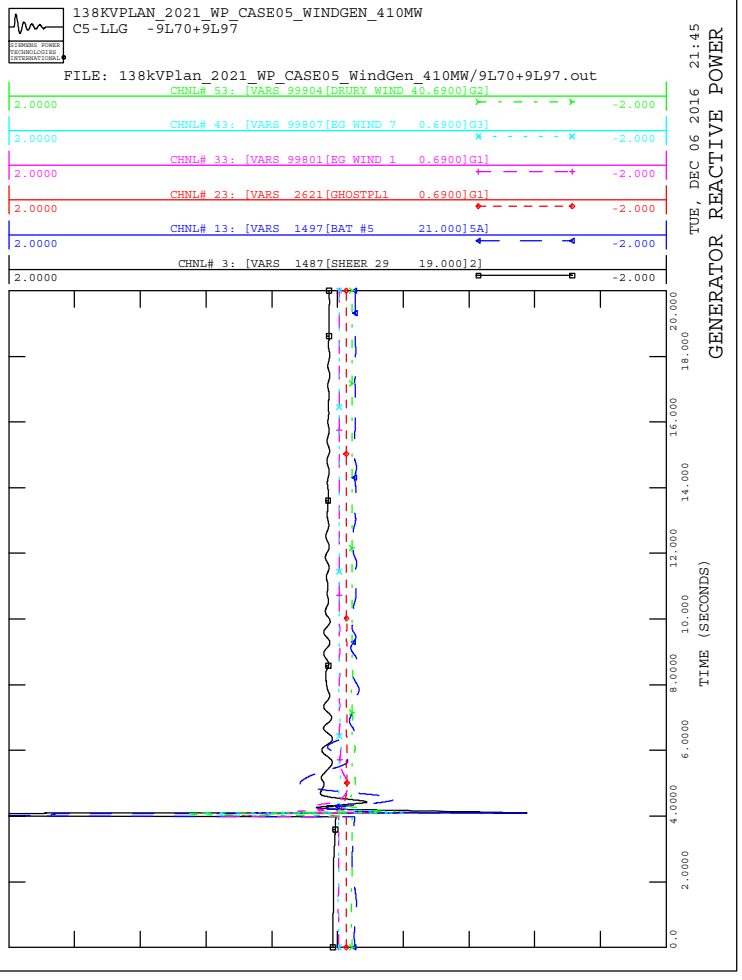
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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C5-LLG -9L70+9L97
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L70+9L97.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
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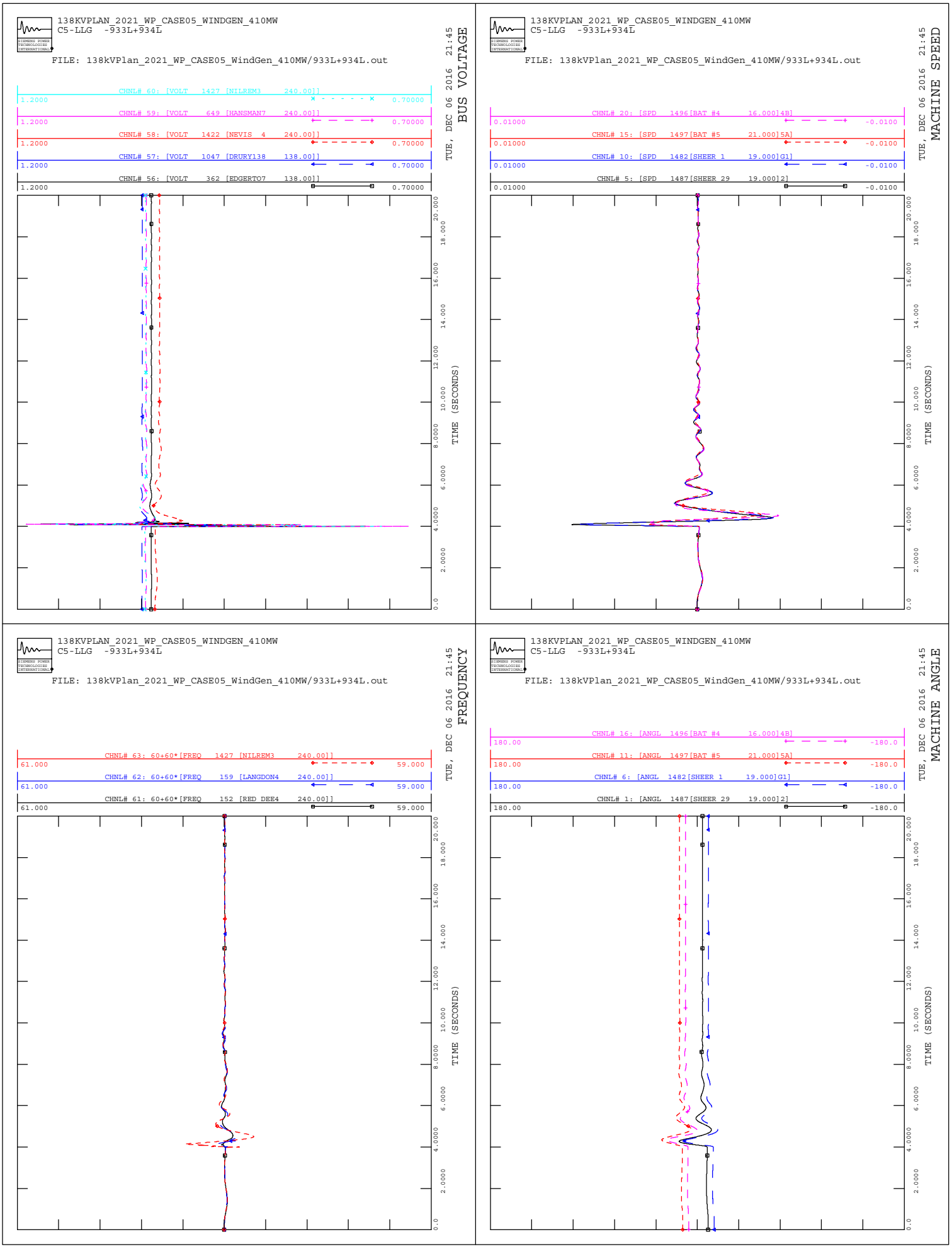
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/933L+934L.out
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TUE, DEC 06 2016 21:45
BUS VOLTAGE
TIME (SECONDS)
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
MACHINE SPEED
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
FREQUENCY
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
MACHINE ANGLE
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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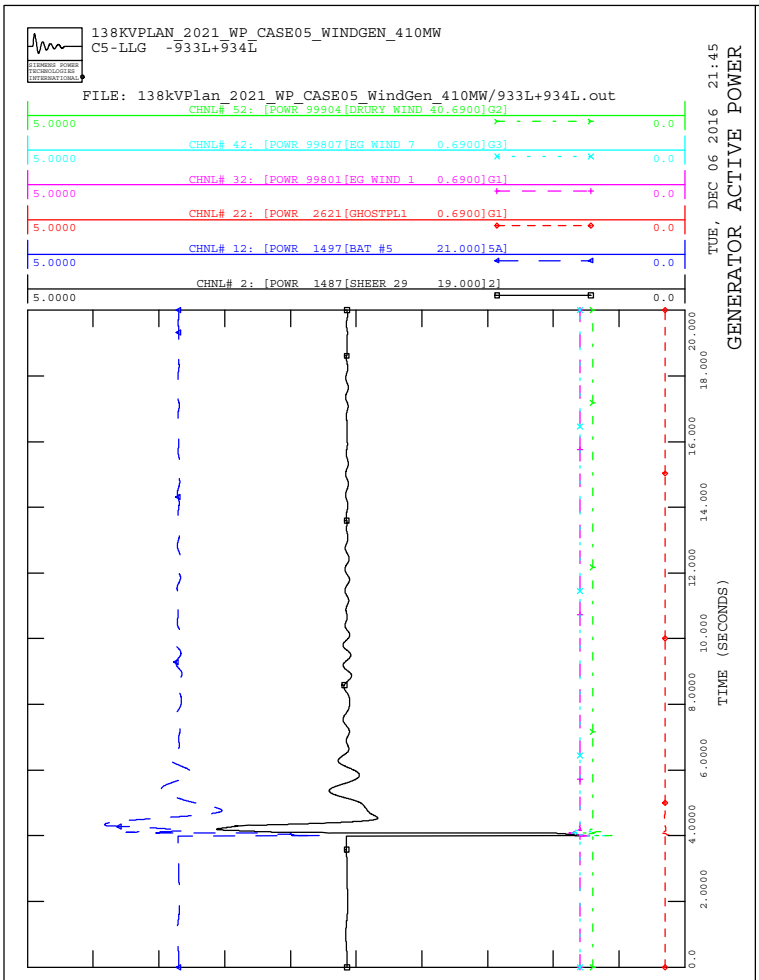
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/933L+934L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:45
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
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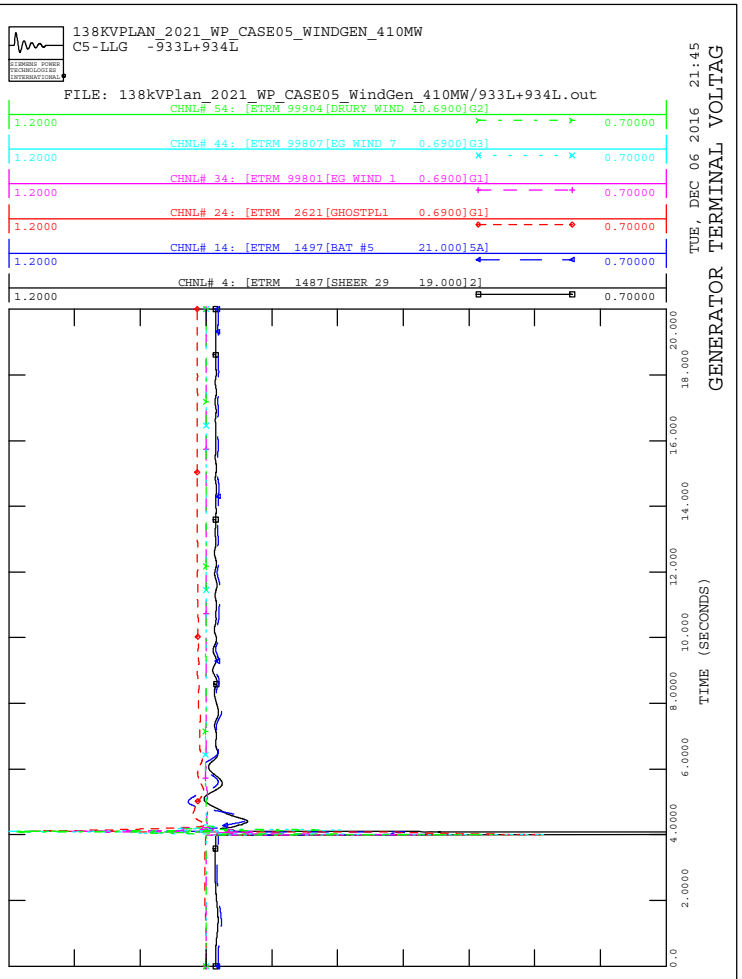
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/933L+934L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:45
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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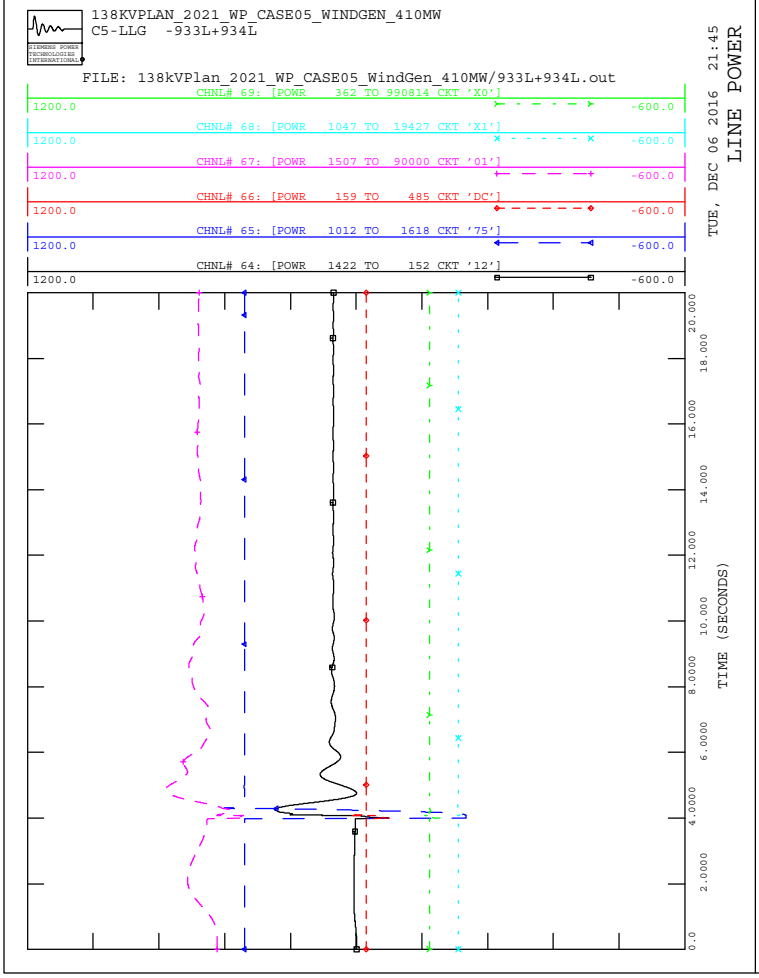
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/933L+934L.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:45
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
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10.000
12.000
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16.000
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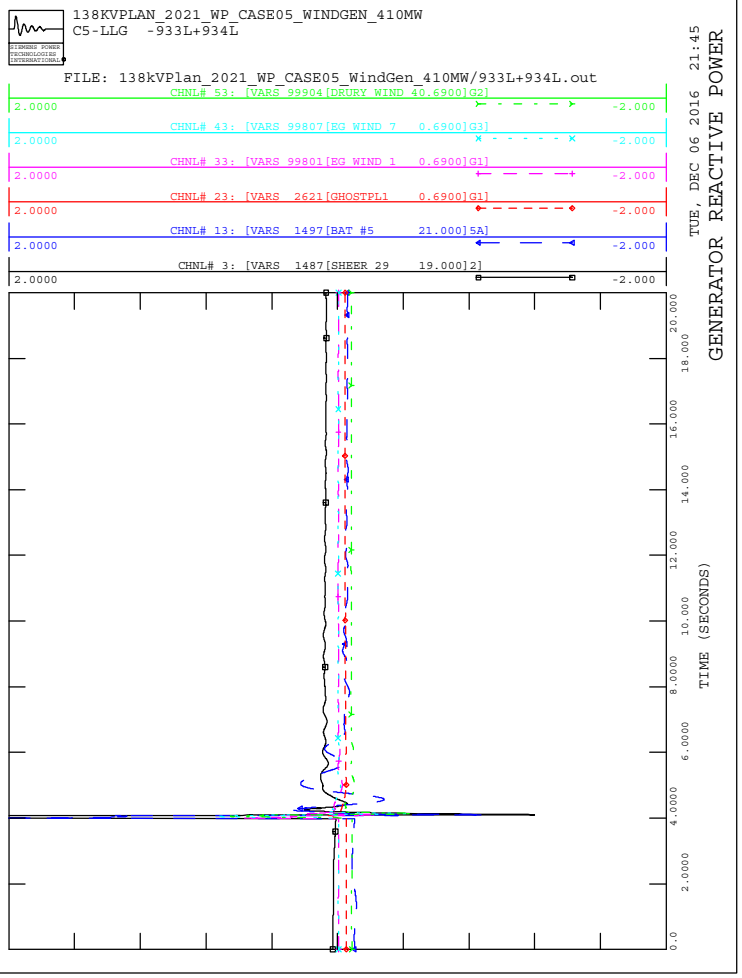
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C5-LLG -933L+934L
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/933L+934L.out
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CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:45
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

Transient Stability Analysis Plots

Alternative 1-138 kV Plan

2021 Summer Light

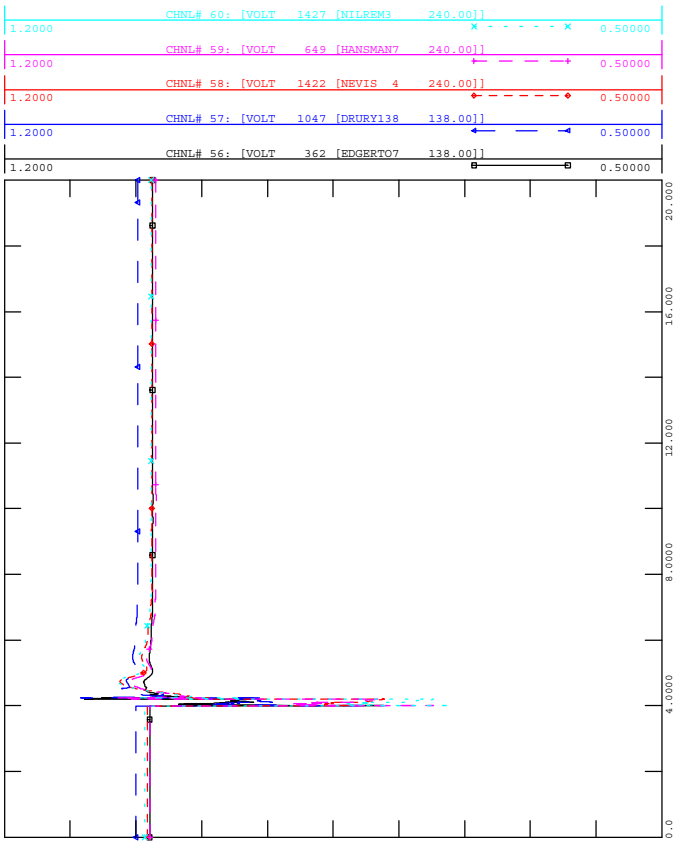
Category C7 (Single-line-to-ground Fault)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_S904_755S-Cordel.out

TUE, DEC 06 2016 21:56

BUS VOLTAGE

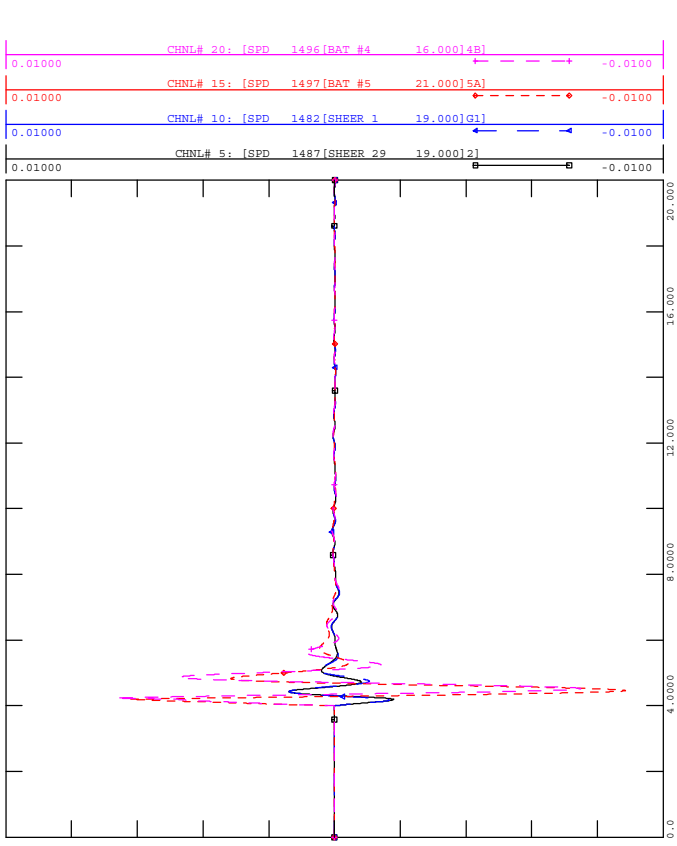


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_S904_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL

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TUE, DEC 06 2016 21:56

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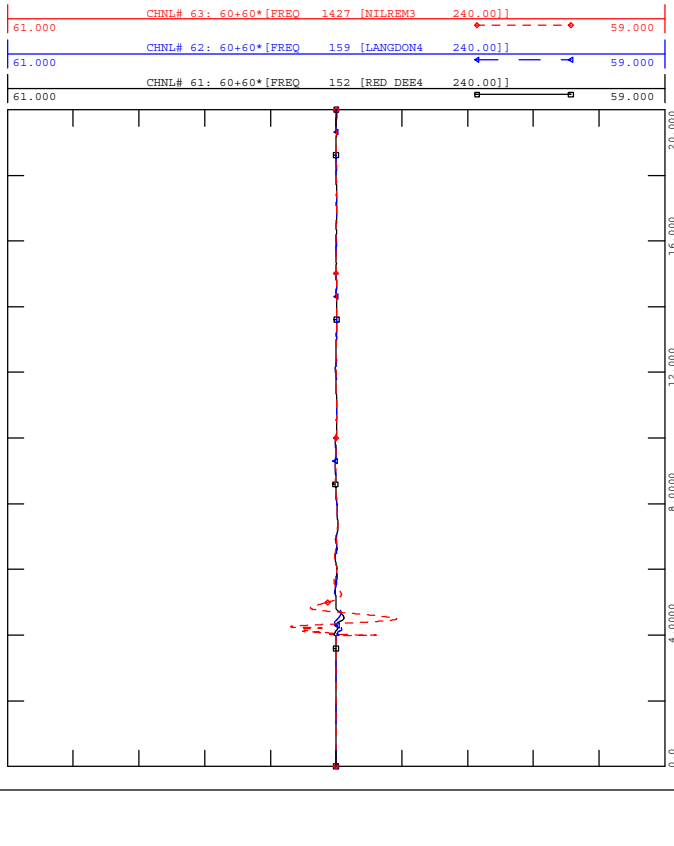
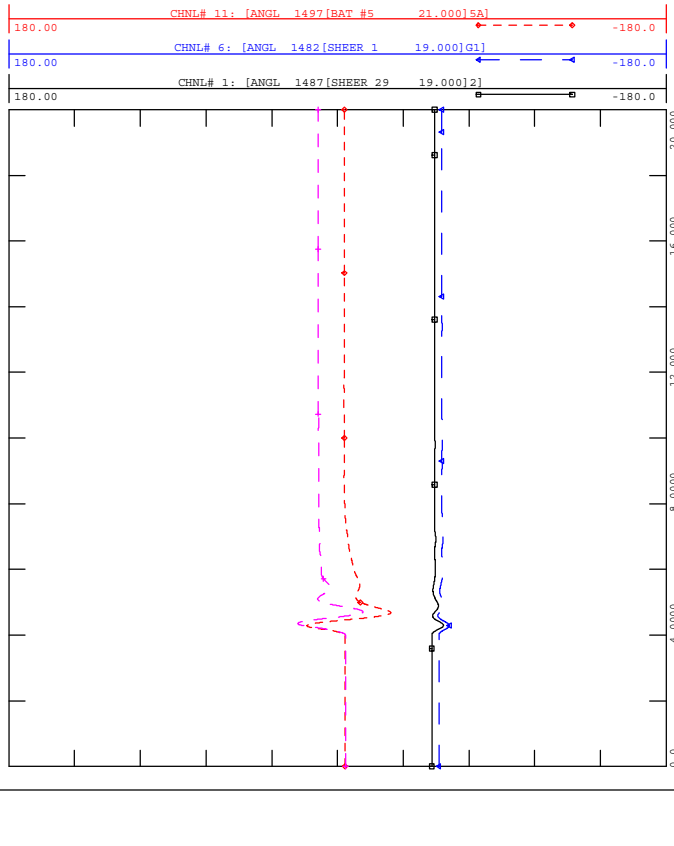


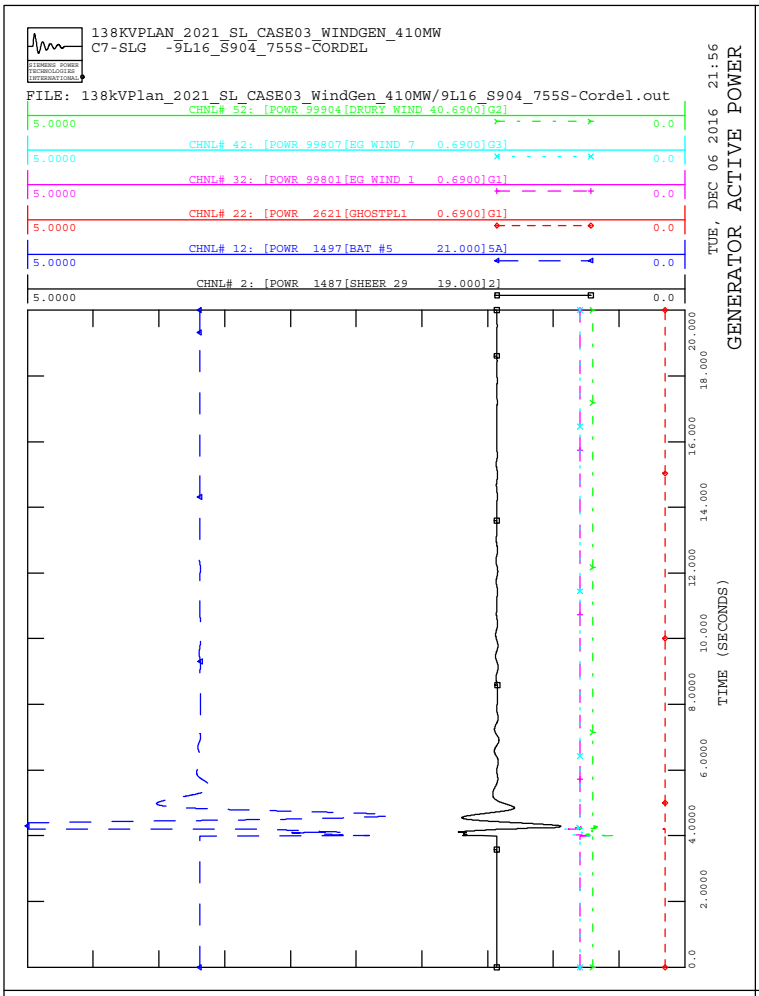
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_S904_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE ANGLE

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C7-SLG -9L16_S904_755S-CORDEL
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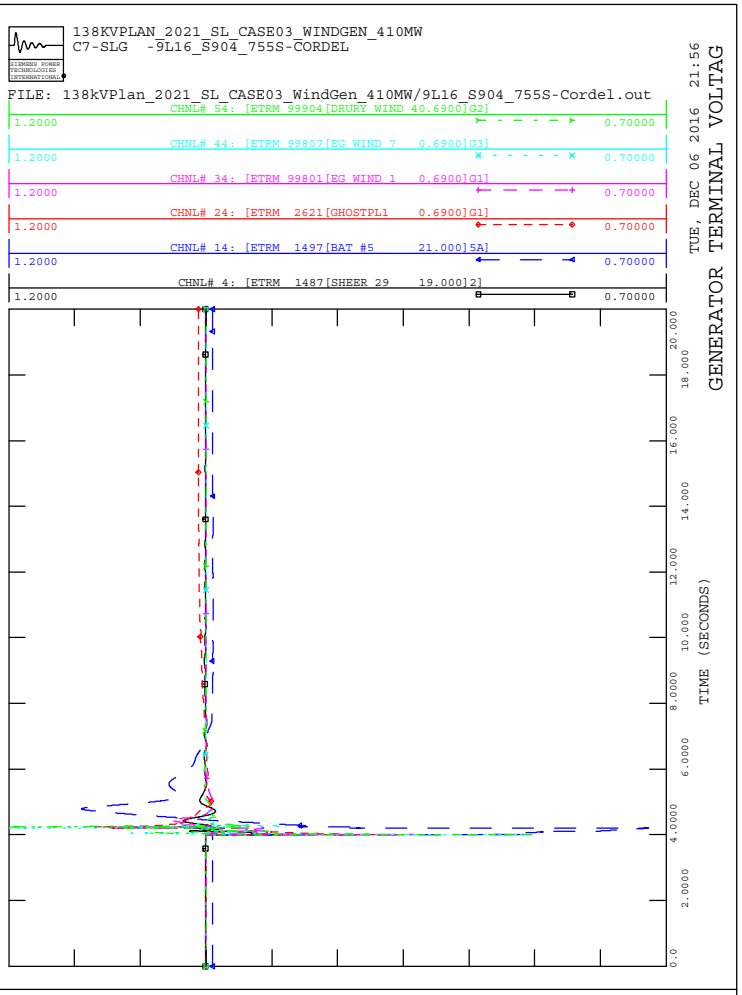
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:56
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL
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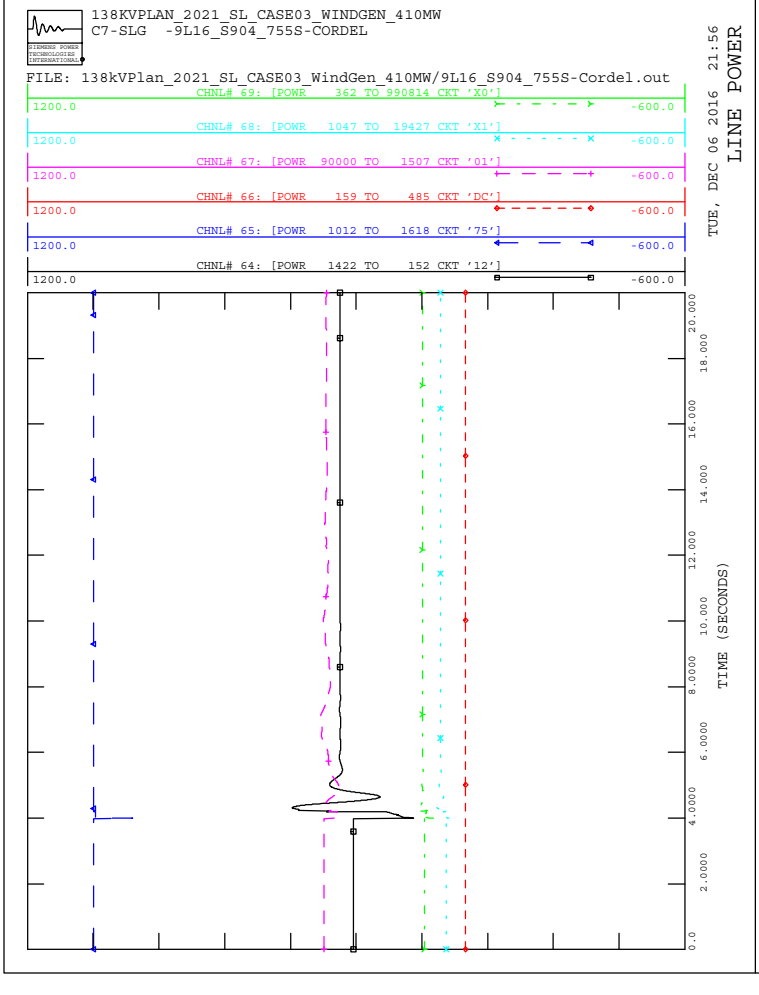
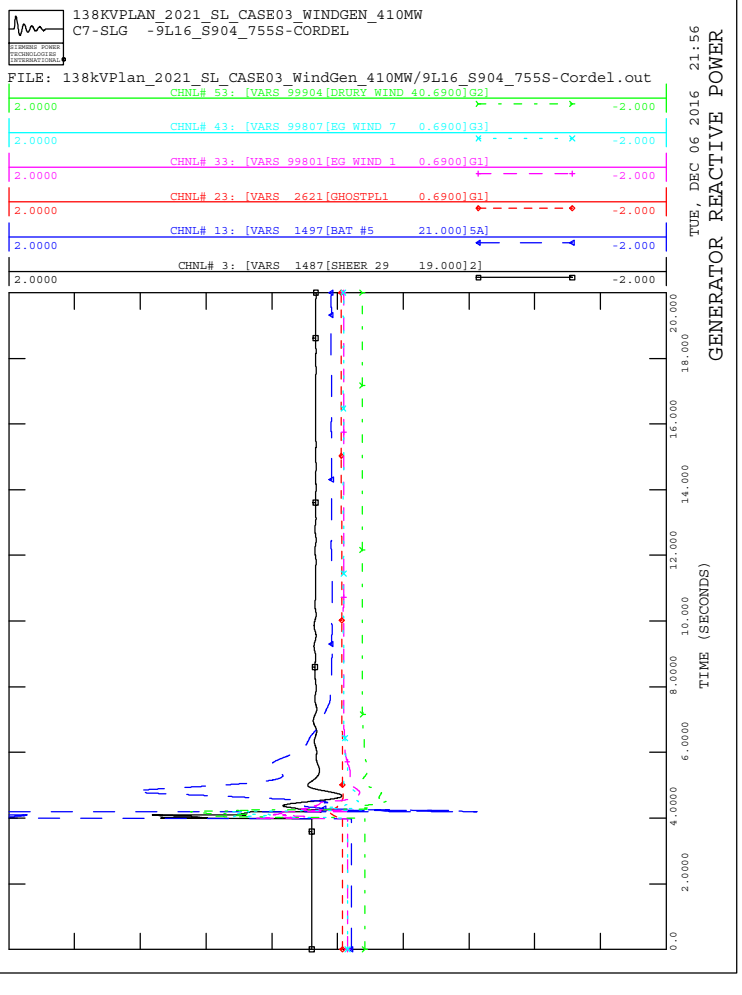
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:56
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_S904_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:56
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_S904_755S-Cordel.out
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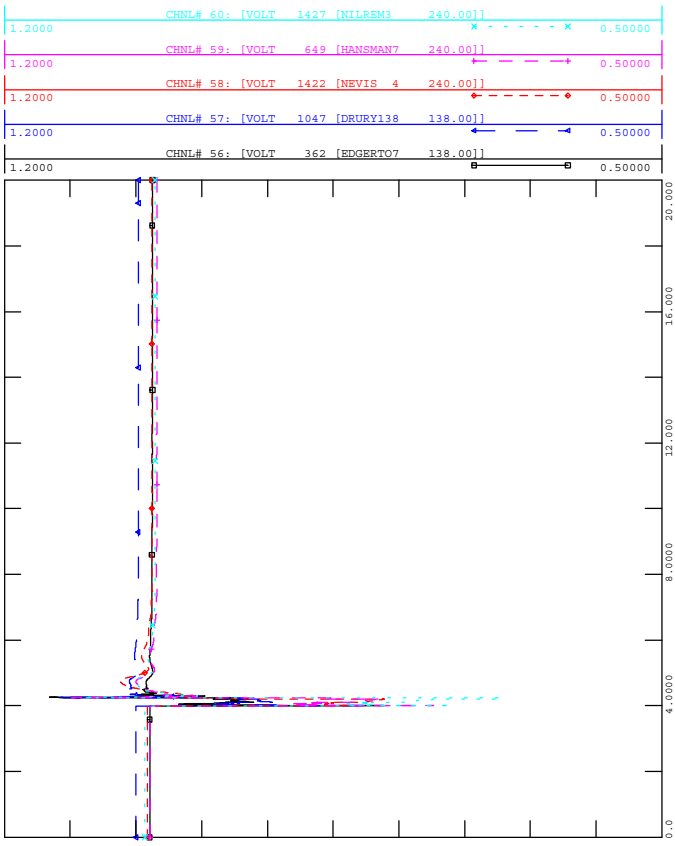
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:56
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_S905_755S-Cordel.out

TUE, DEC 06 2016 21:56

BUS VOLTAGE

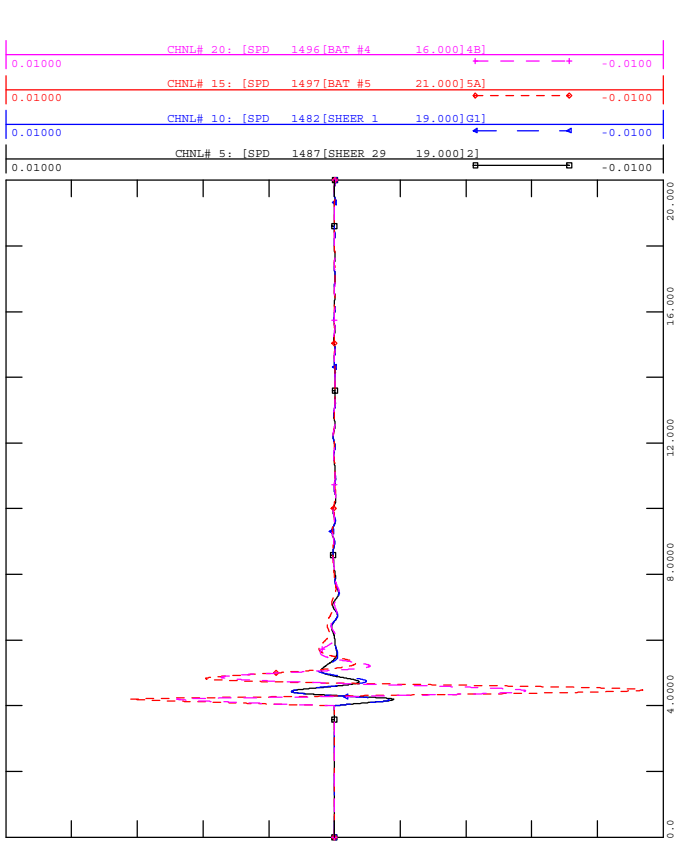


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_S905_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE SPEED



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C7-SLG -9L16_S905_755S-CORDEL

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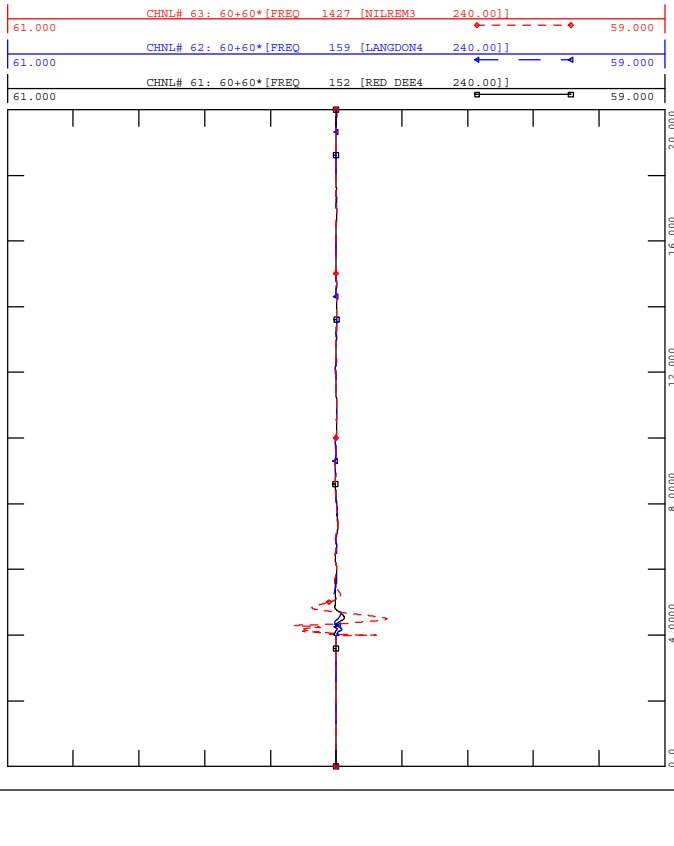
TUE, DEC 06 2016 21:56

FREQUENCY

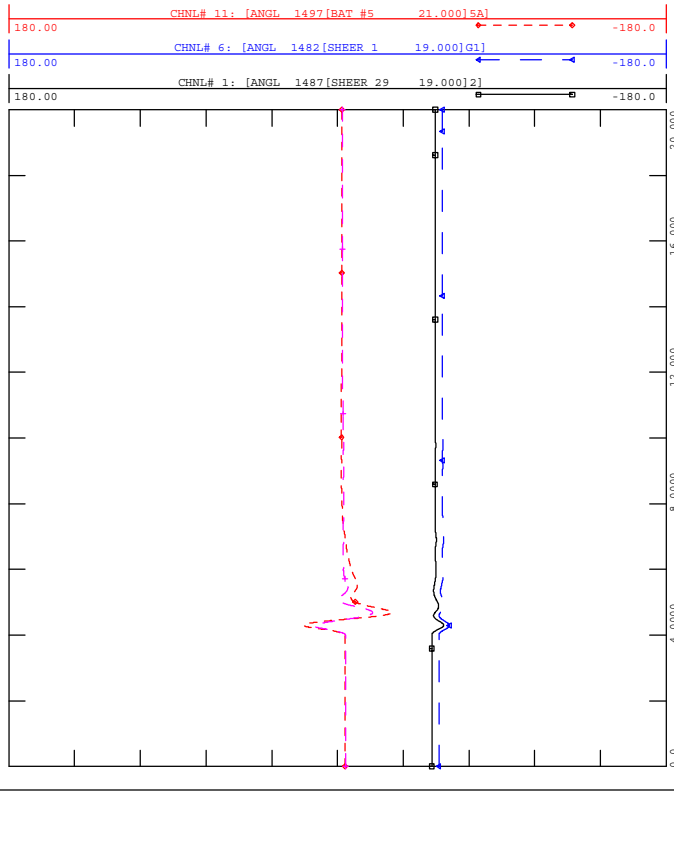


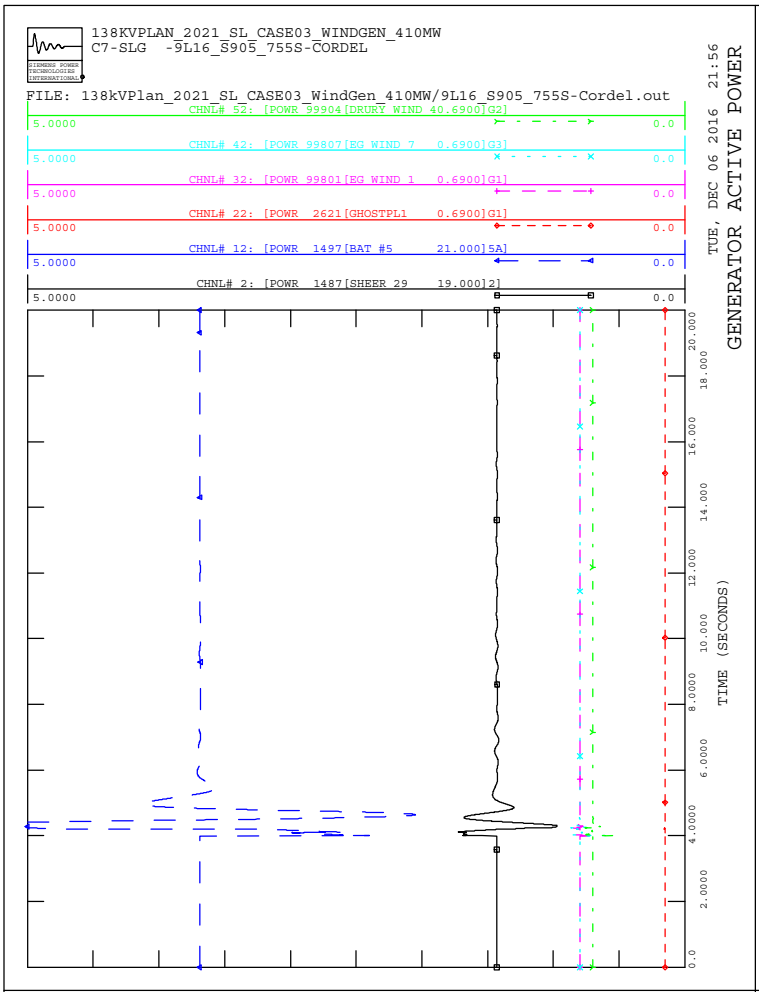
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL

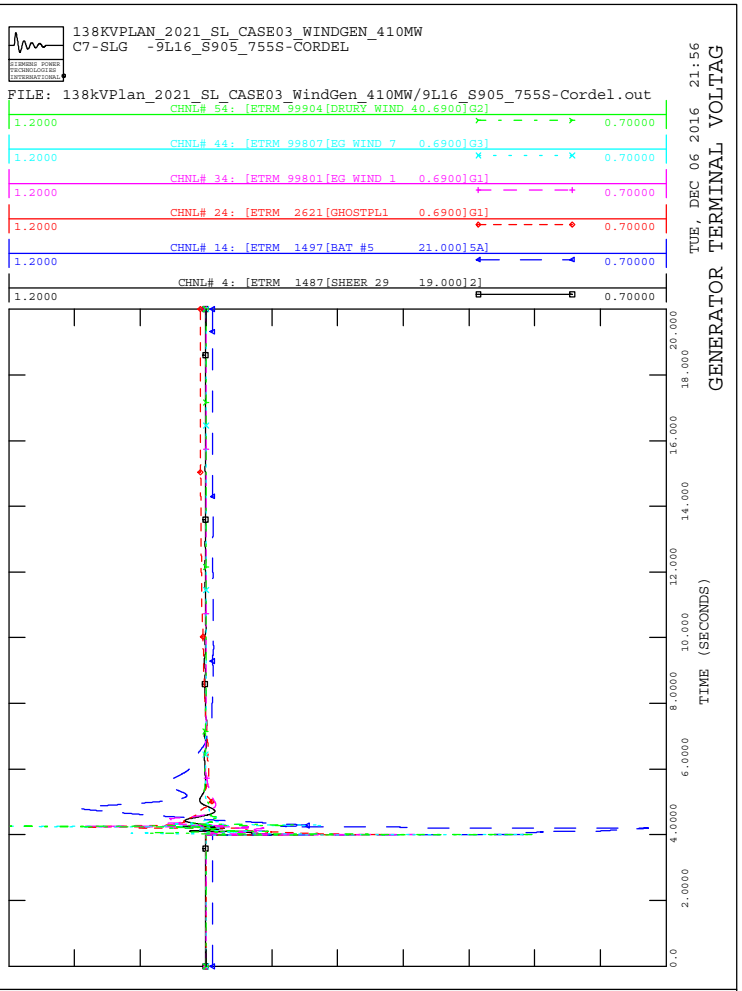
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_S905_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_S905_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:56
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_S905_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:56
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
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4.0000
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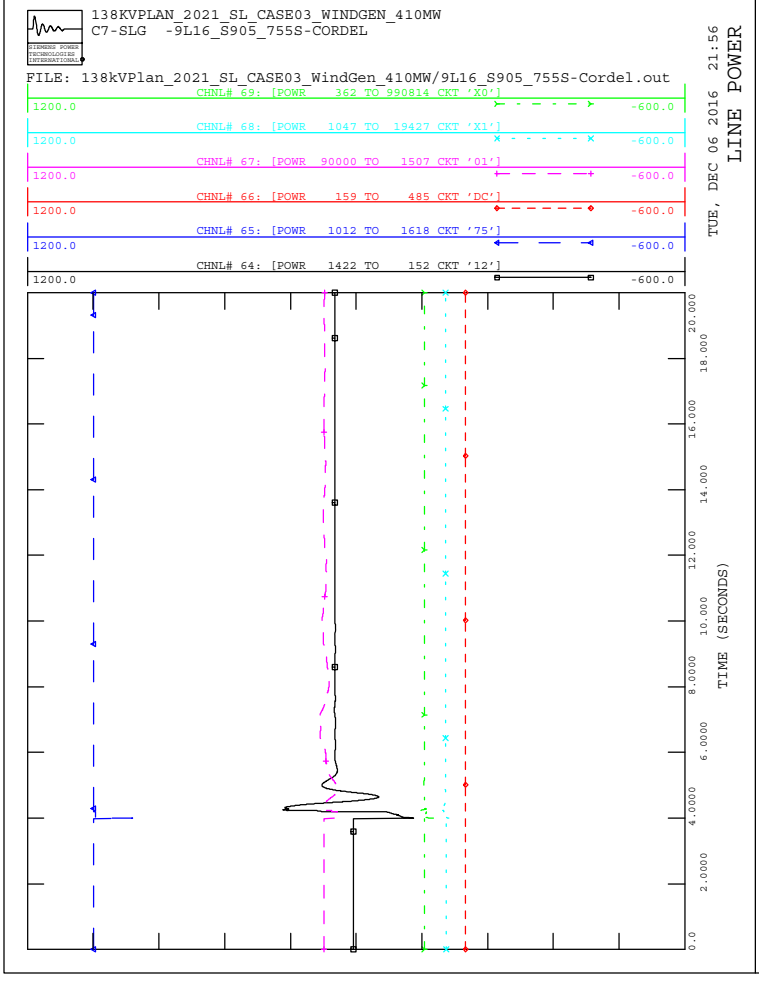
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_S905_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:56
LINE POWER
TIME (SECONDS)
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2.0000
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6.0000
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12.000
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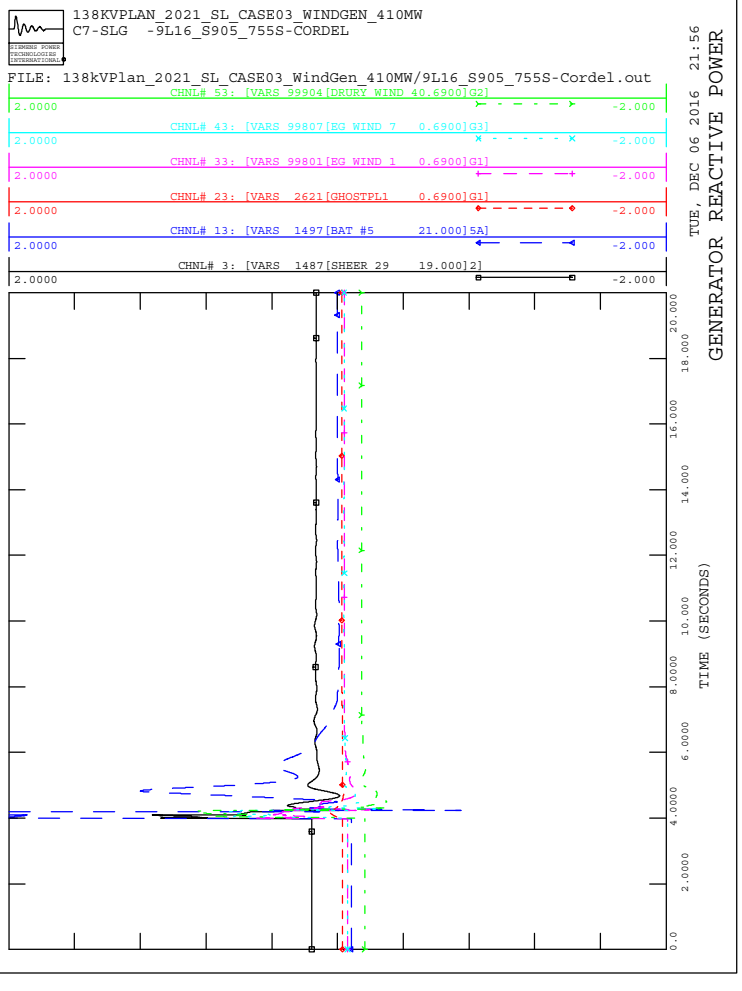
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L16_S905_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:56
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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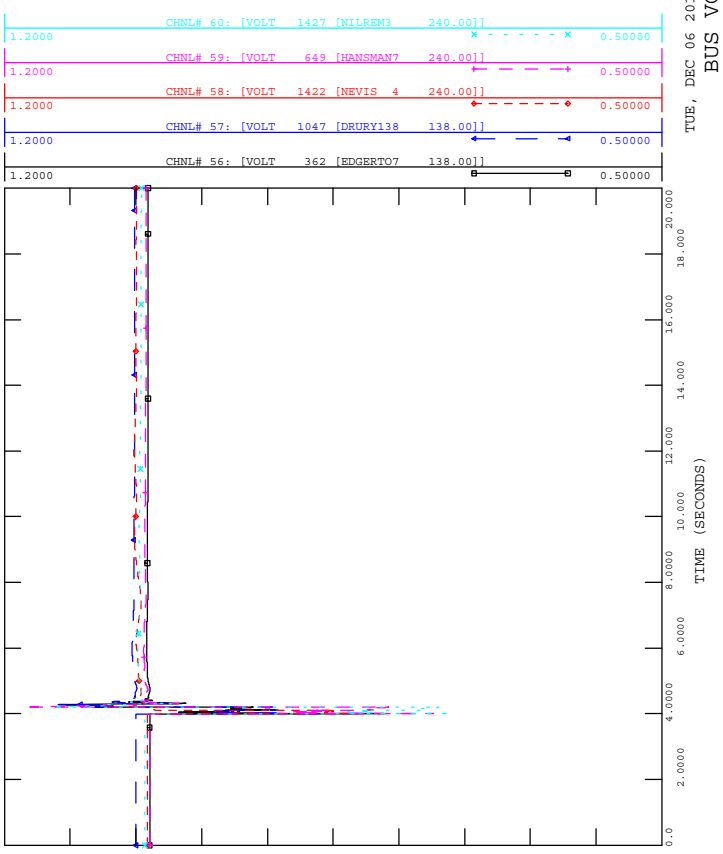
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_755S-Cordel.out

TUE, DEC 06 2016 21:56

BUS VOLTAGE

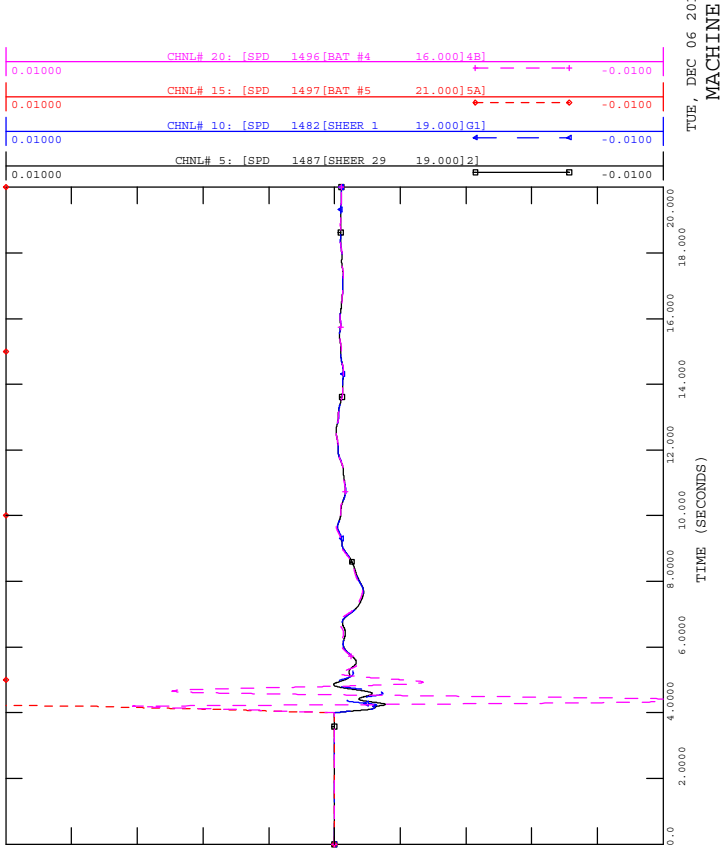


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE SPEED

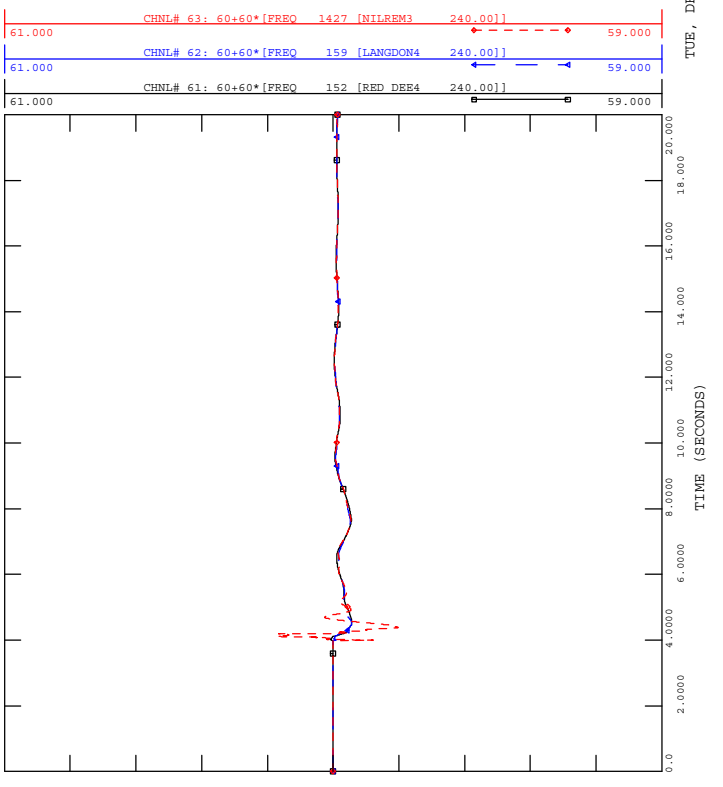


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_755S-Cordel.out

TUE, DEC 06 2016 21:56

FREQUENCY

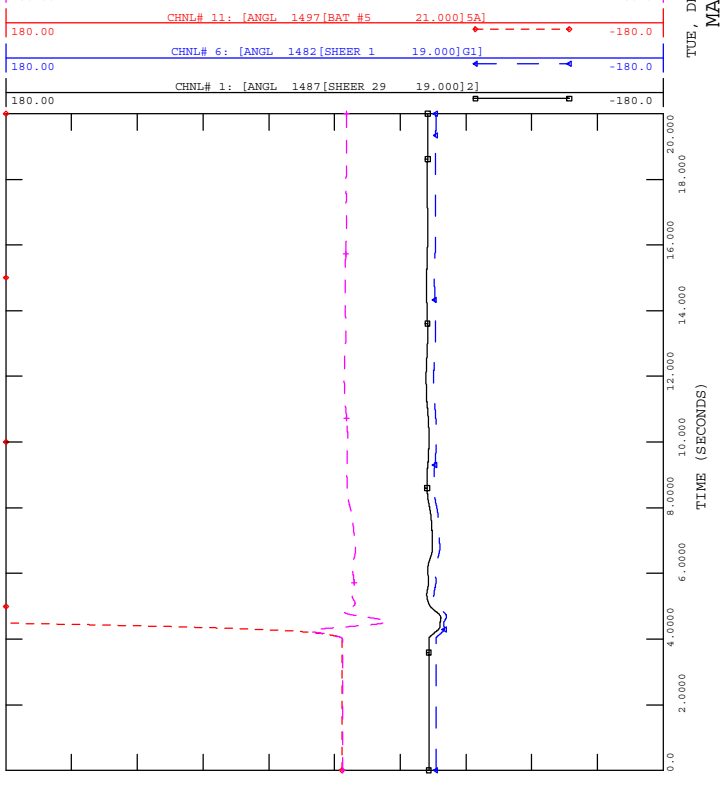


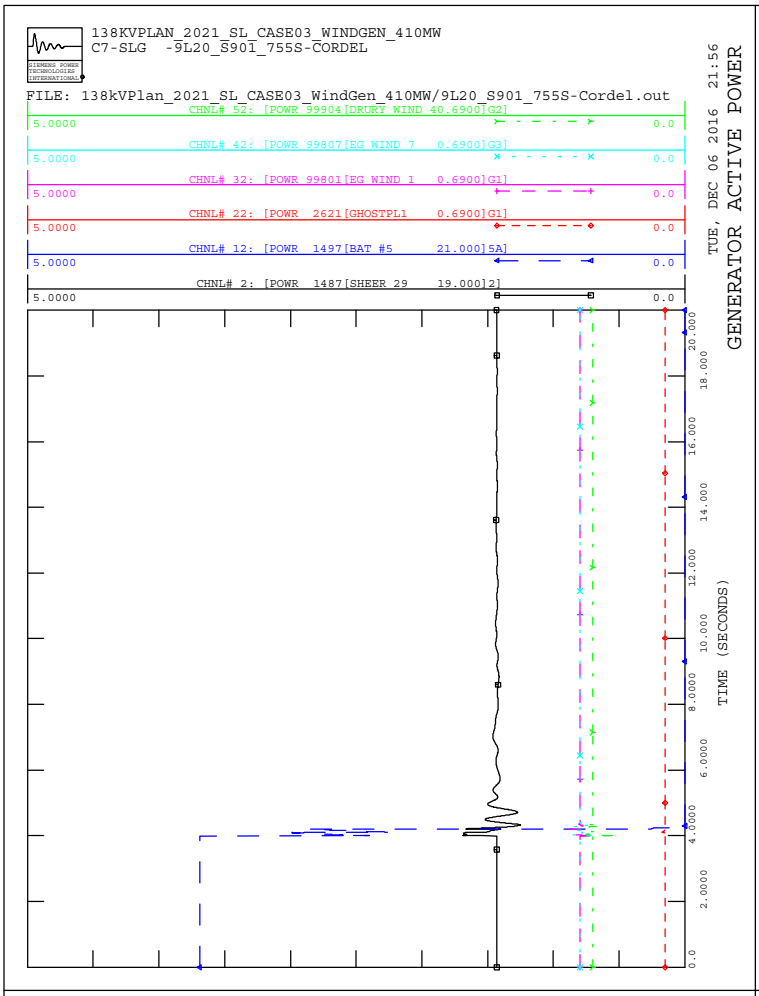
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:56
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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8.0000
10.000
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16.000
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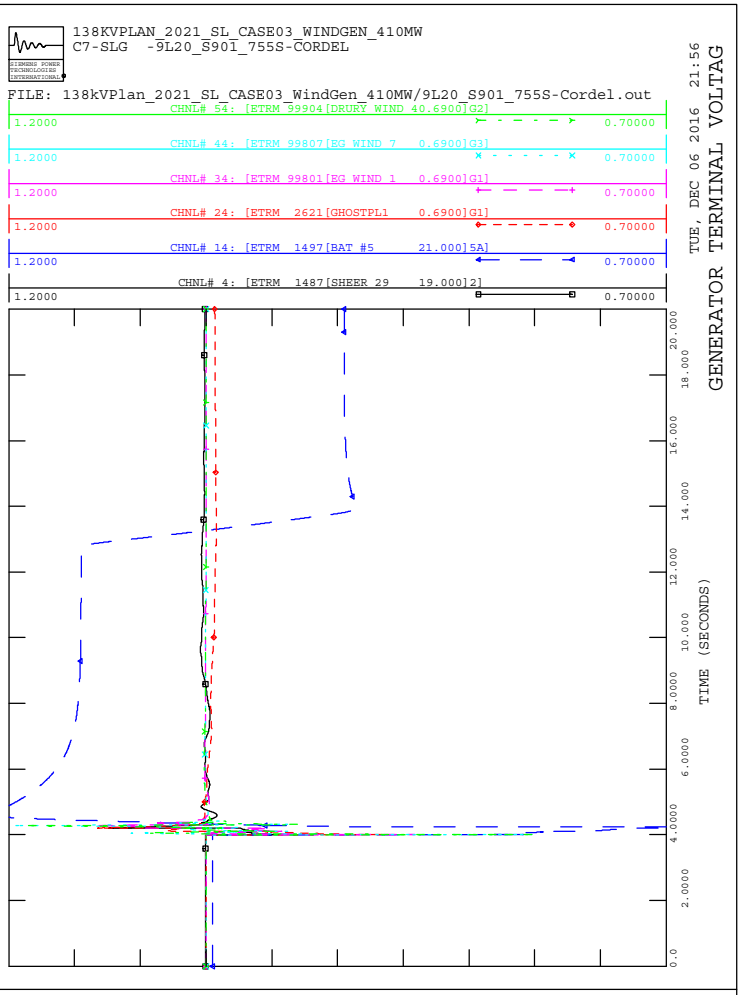
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:56
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
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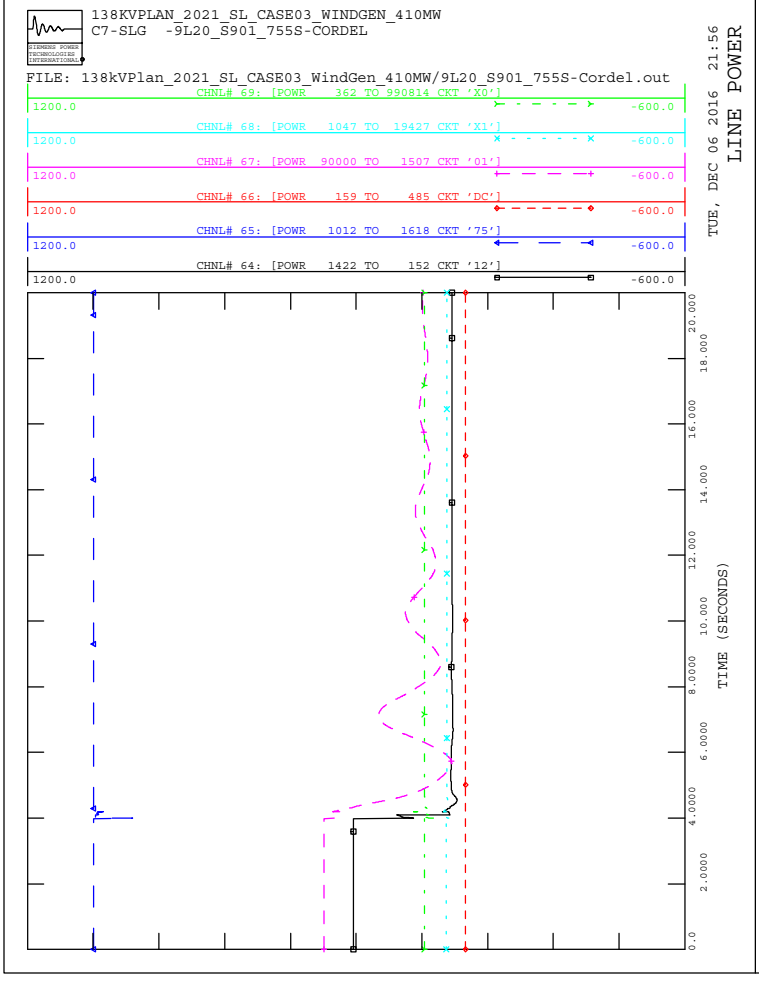
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:56
LINE POWER
TIME (SECONDS)
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2.0000
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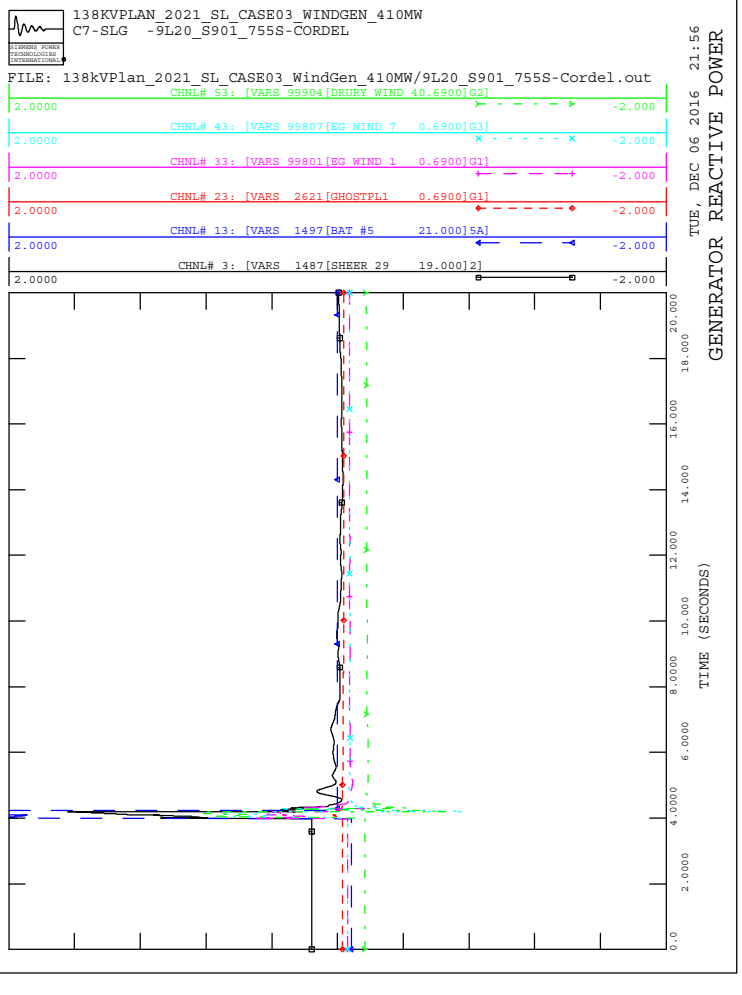
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:56
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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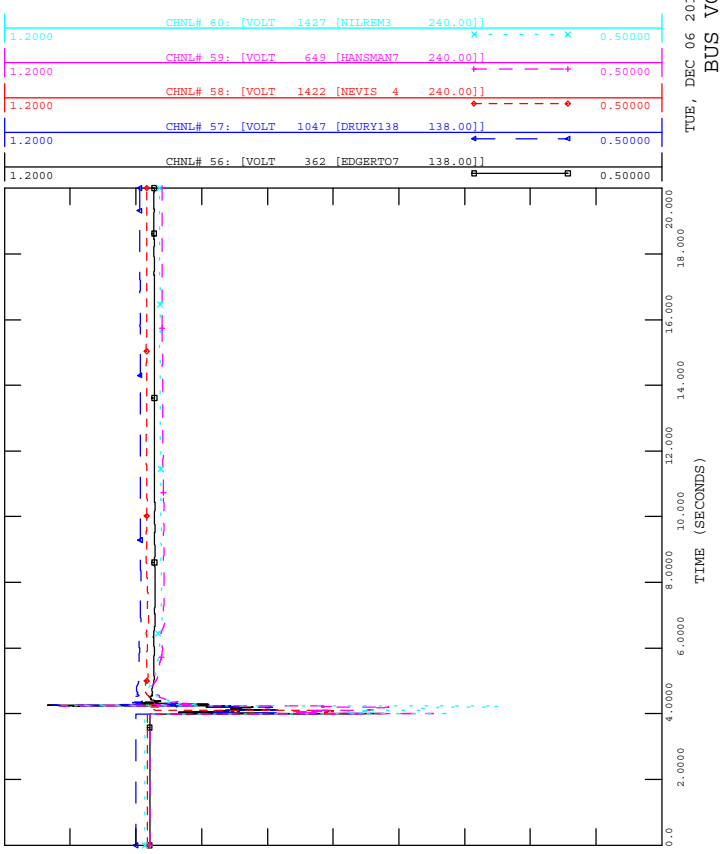
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S906_755S-Cordel.out

TUE, DEC 06 2016 21:56

BUS VOLTAGE

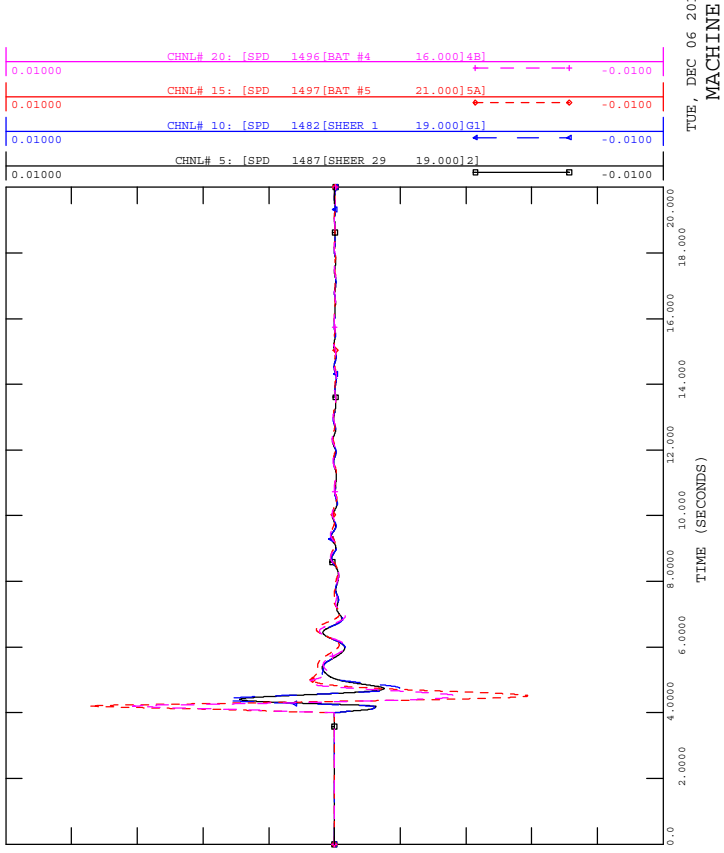


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S906_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S906_755S-Cordel.out

TUE, DEC 06 2016 21:56

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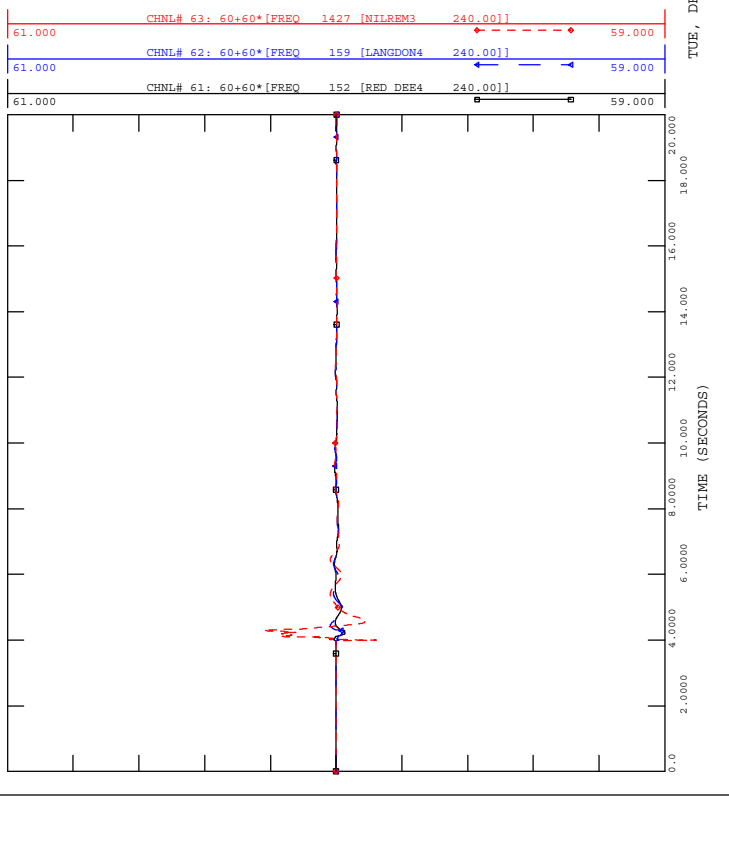
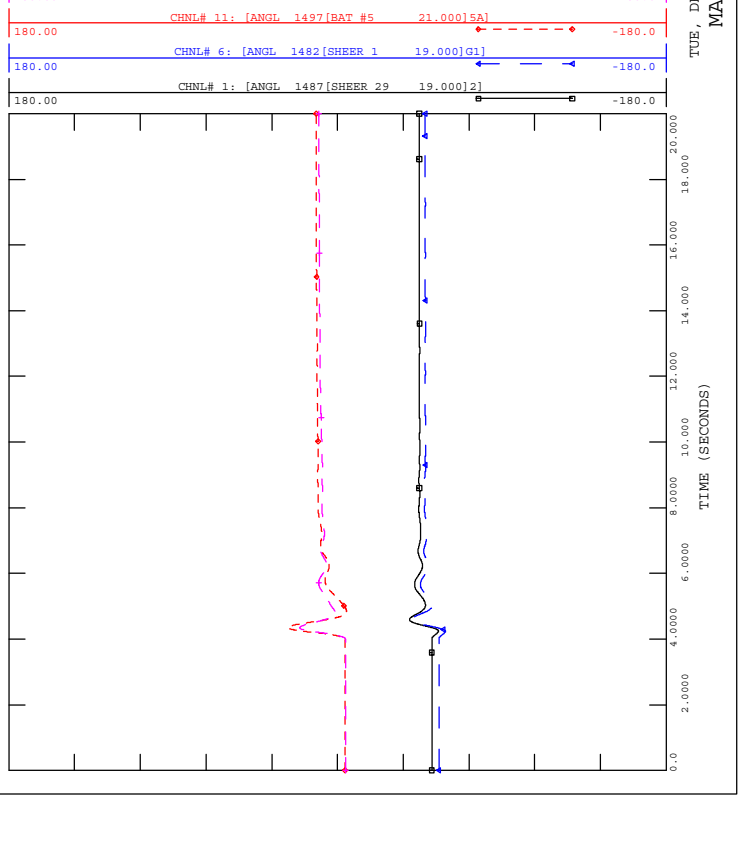


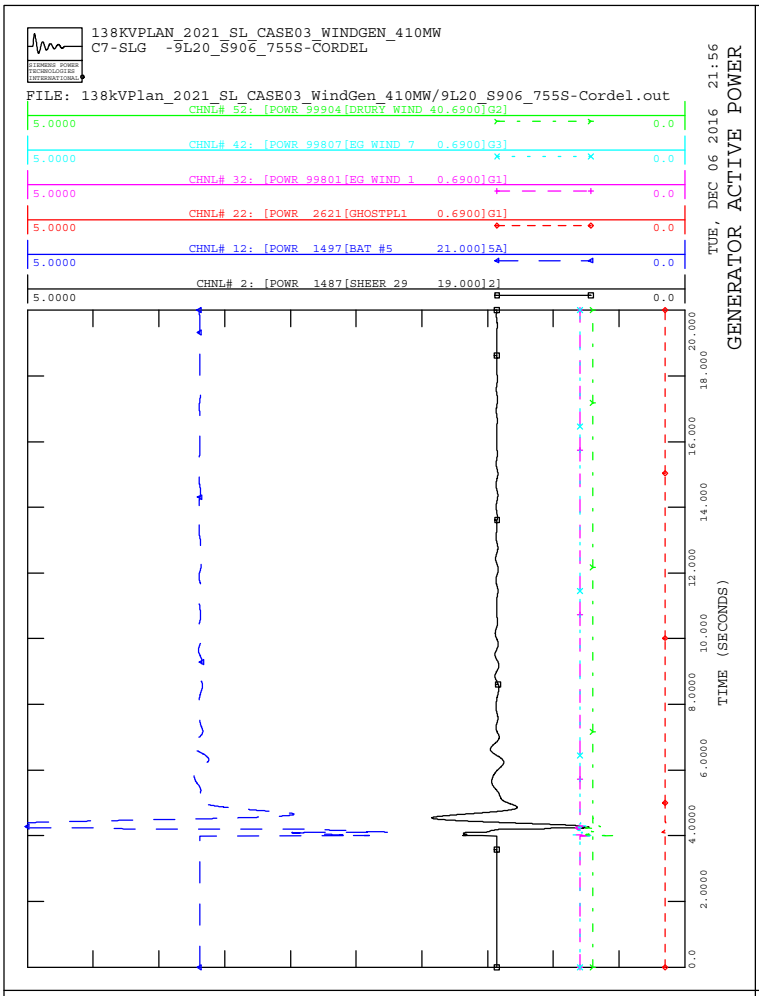
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S906_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S906_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:56
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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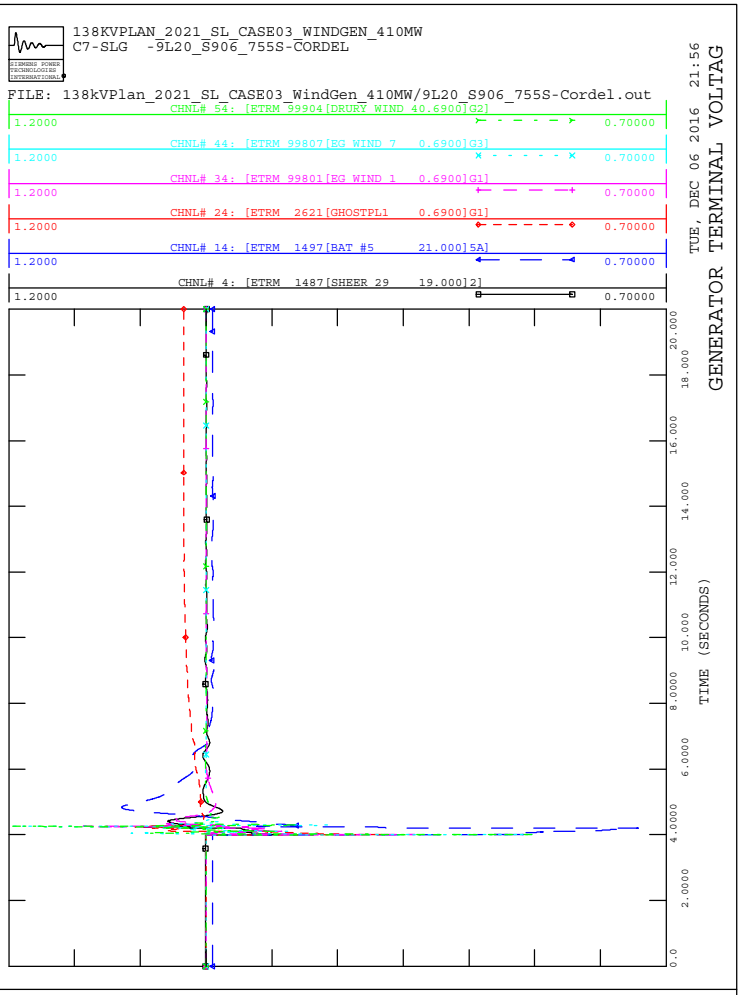
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S906_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:56
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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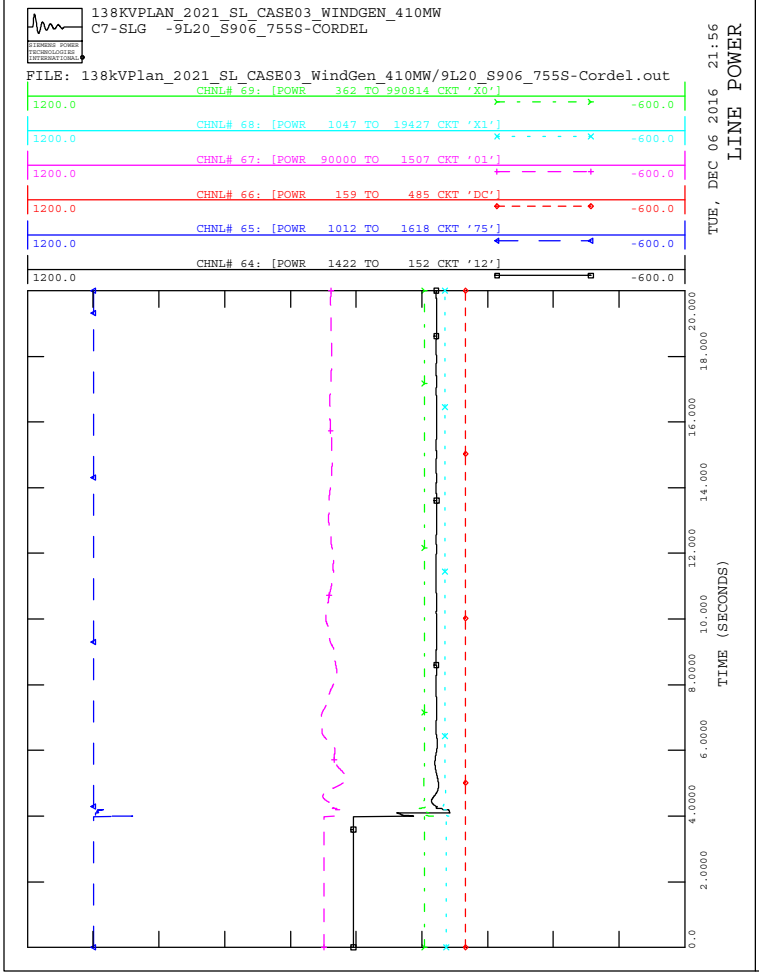
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S906_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:56
LINE POWER
TIME (SECONDS)
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2.0000
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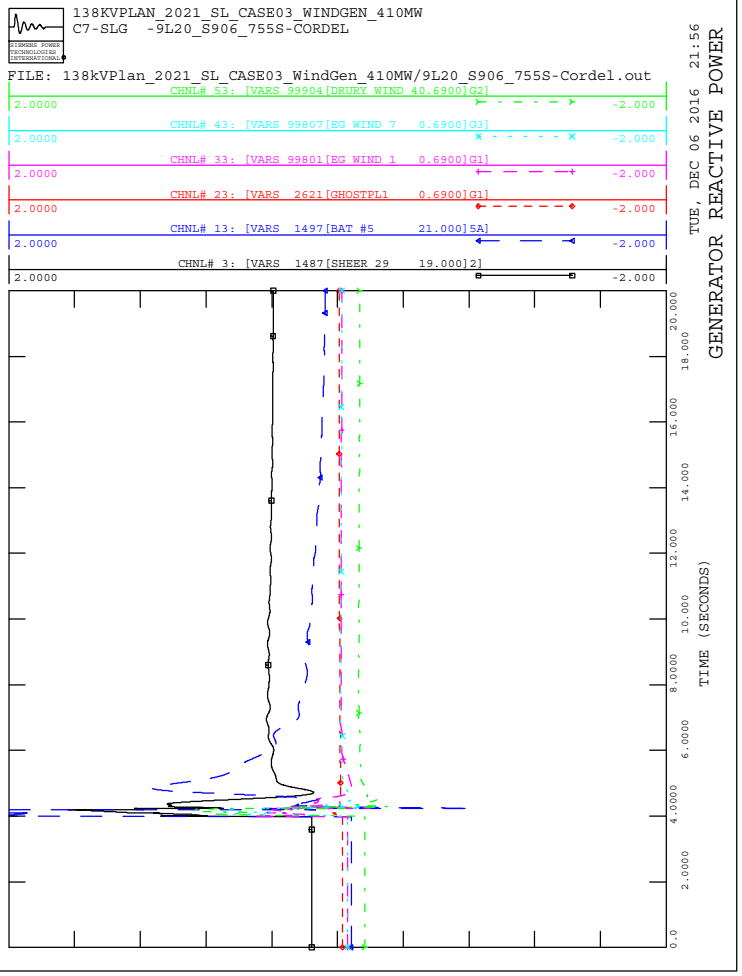
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S906_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:56
GENERATOR REACTIVE POWER
TIME (SECONDS)
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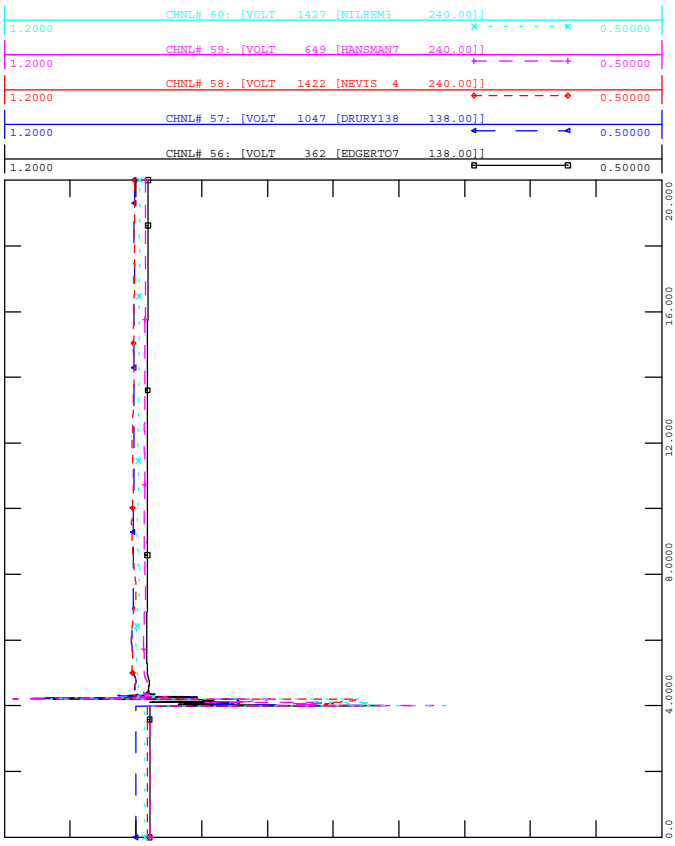
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_S902_755S-Cordel.out

TUE, DEC 06 2016 21:56

BUS VOLTAGE

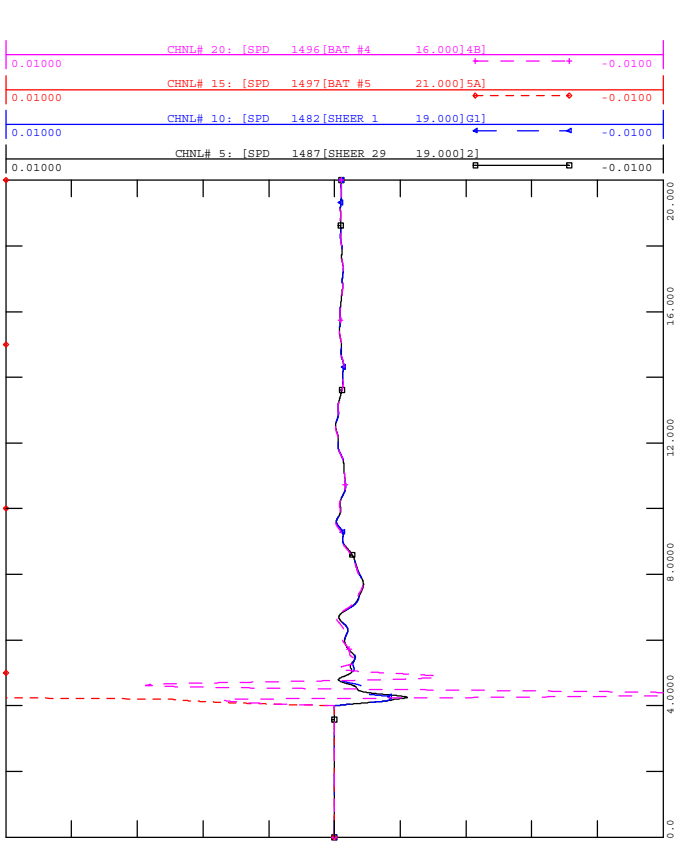


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_S902_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE SPEED

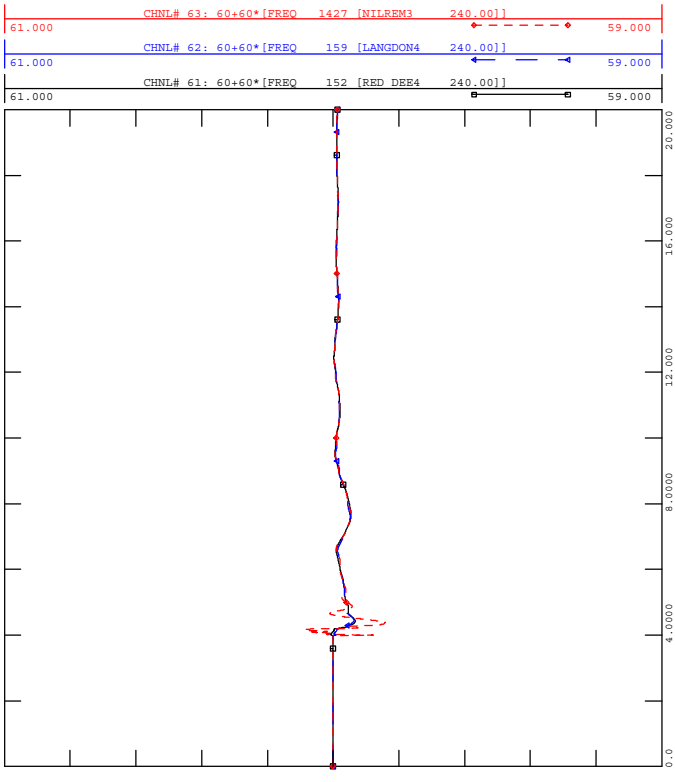


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_S902_755S-Cordel.out

TUE, DEC 06 2016 21:56

FREQUENCY



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L27_S902_755S-CORDEL

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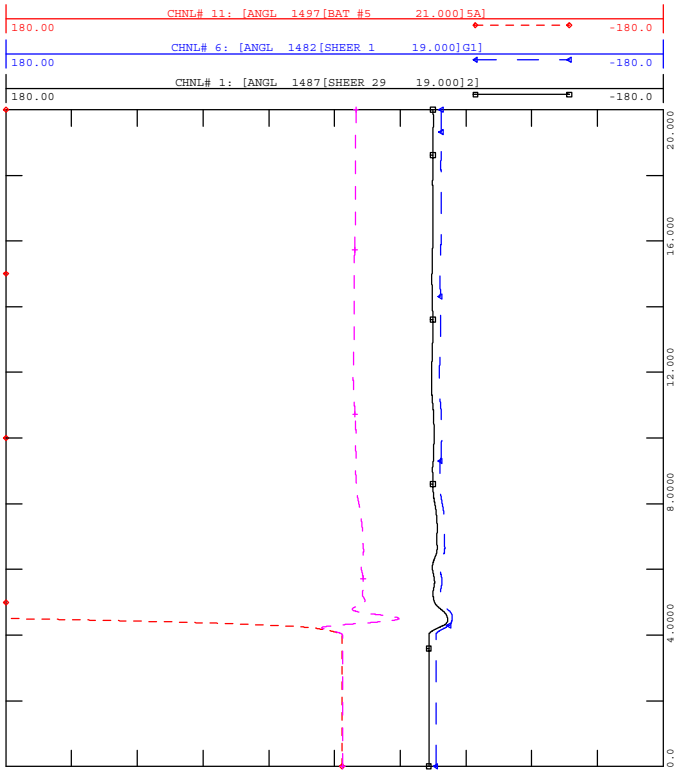
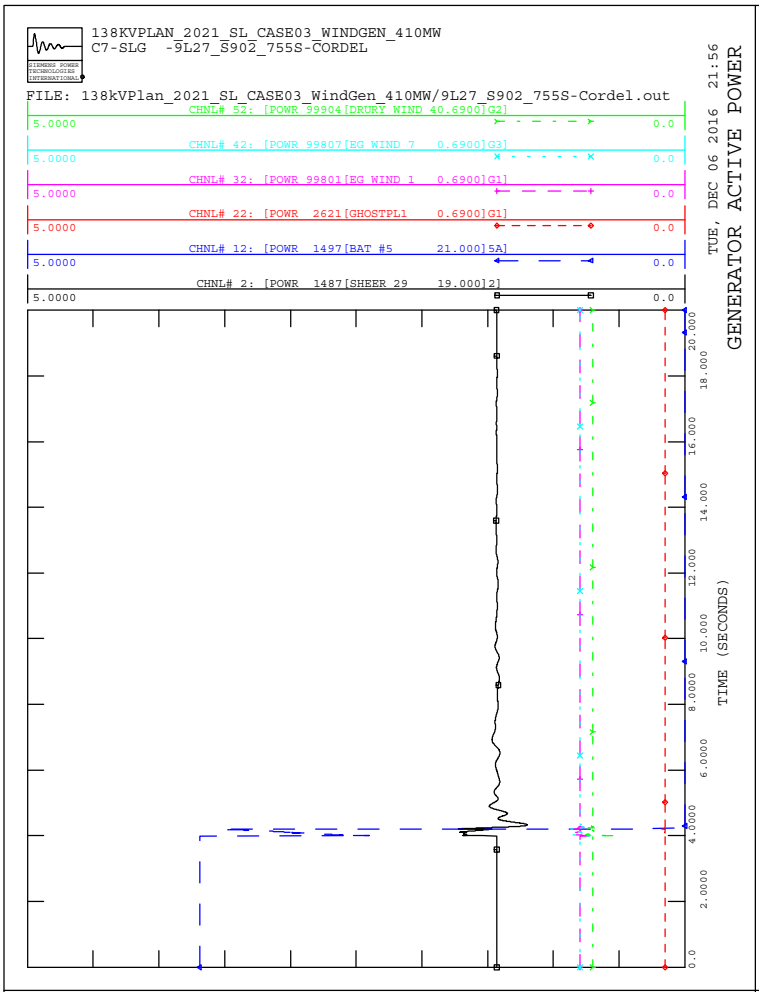
TUE, DEC 06 2016 21:56

MACHINE ANGLE

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C7-SLG -9L27_S902_755S-CORDEL
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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TUE, DEC 06 2016 21:56
GENERATOR ACTIVE POWER
TIME (SECONDS)
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4.0000
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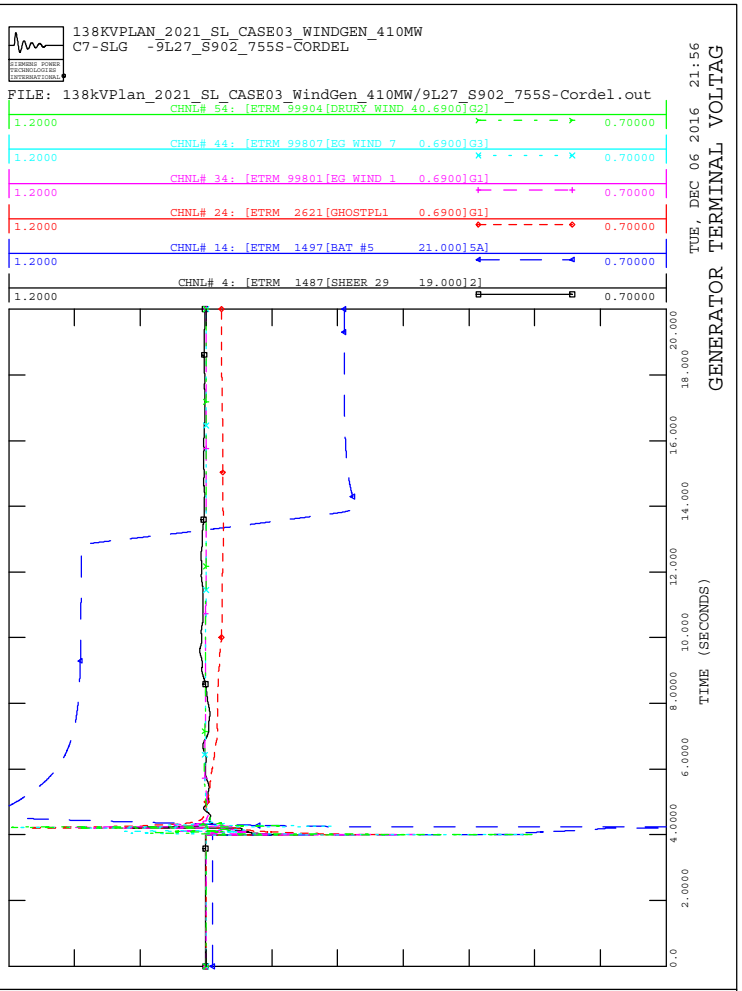
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C7-SLG -9L27_S902_755S-CORDEL
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:56
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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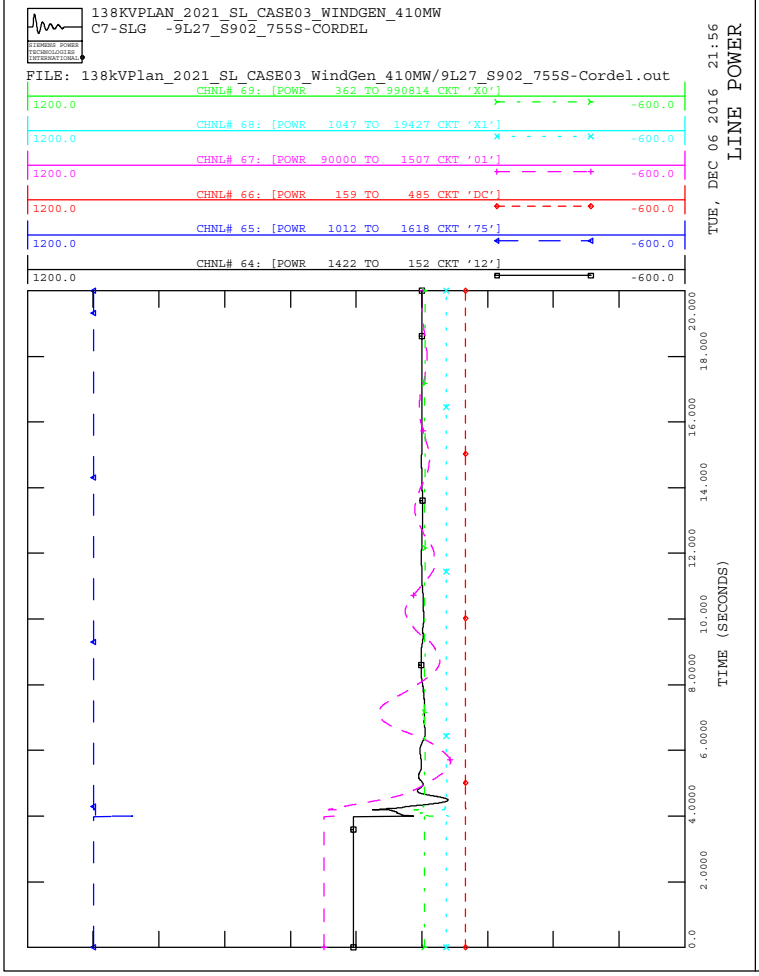
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L27_S902_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_S902_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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-600.0
TUE, DEC 06 2016 21:56
LINE POWER
TIME (SECONDS)
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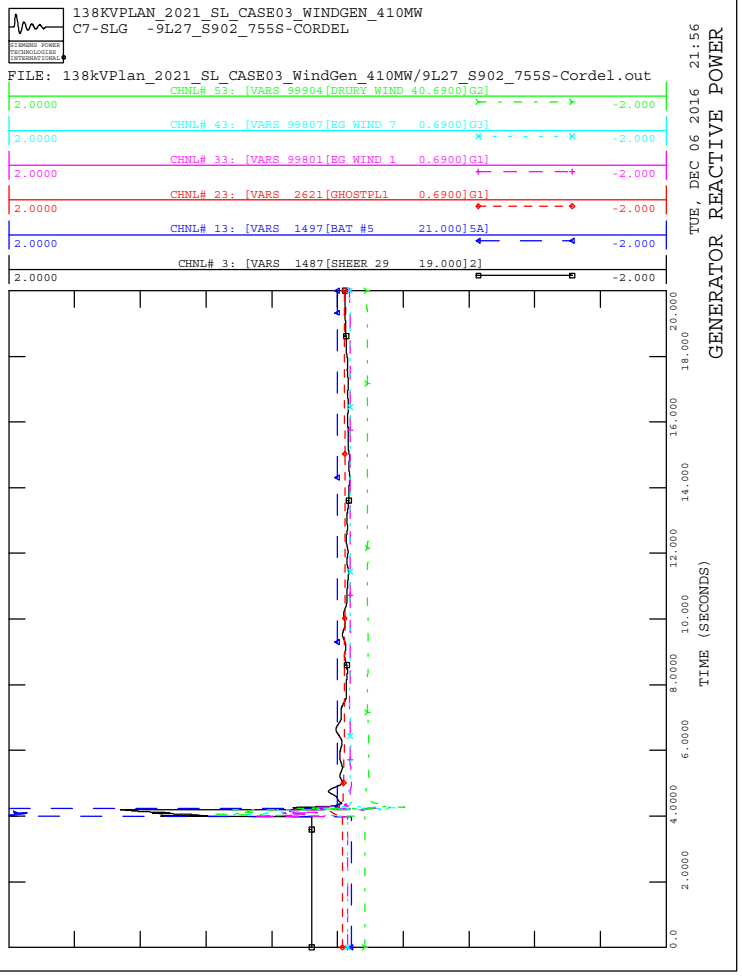
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C7-SLG -9L27_S902_755S-CORDEL
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:56
GENERATOR REACTIVE POWER
TIME (SECONDS)
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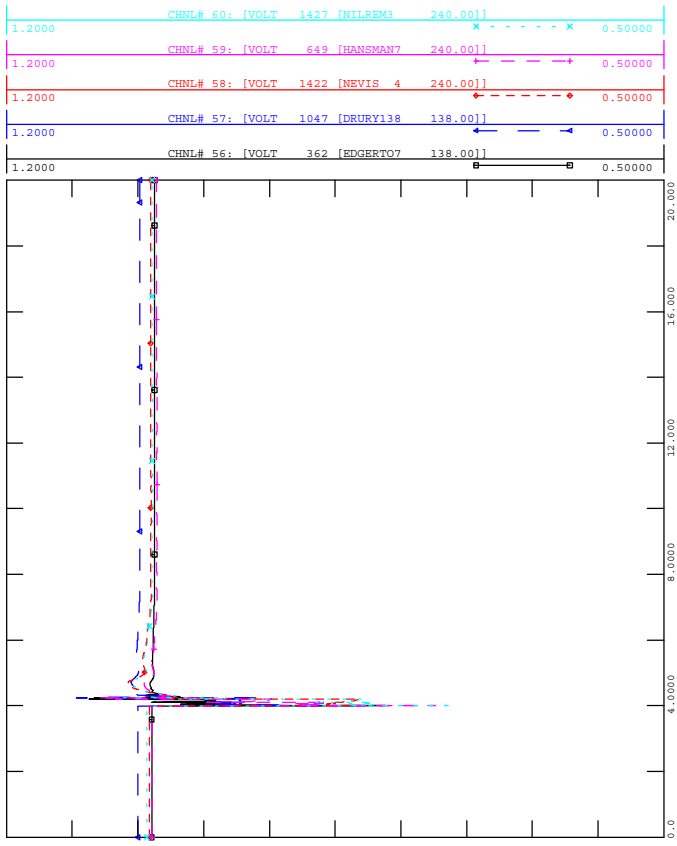
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L27_S903_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_S903_755S-Cordel.out

TUE, DEC 06 2016 21:56

BUS VOLTAGE



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C7-SLG -9L27_S903_755S-CORDEL

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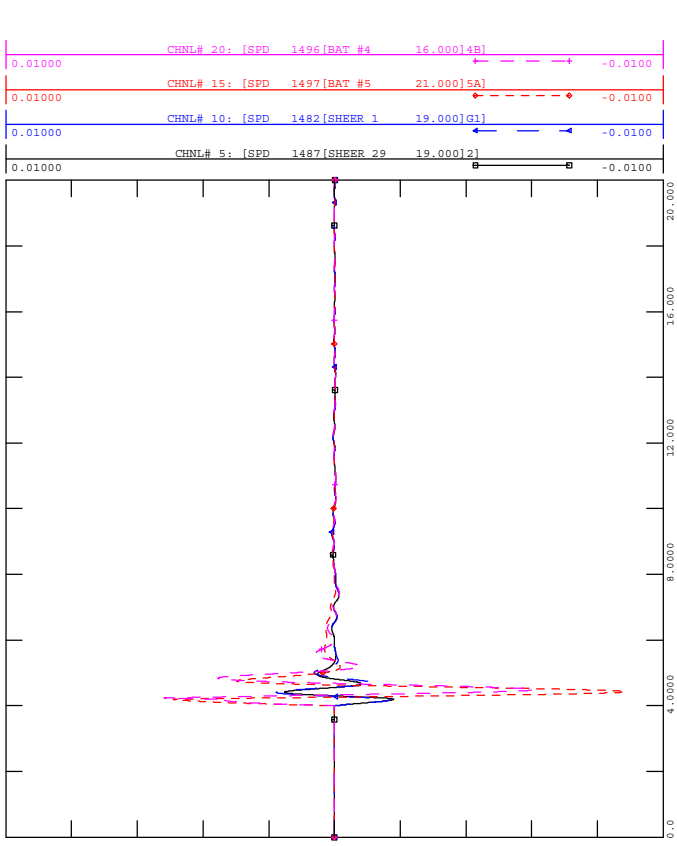
MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L27_S903_755S-CORDEL

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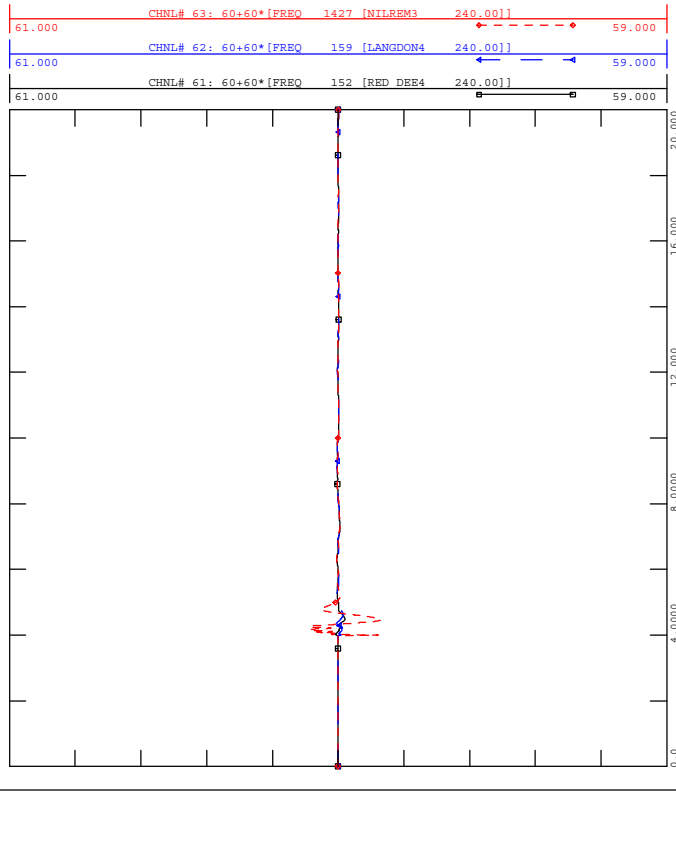

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C7-SLG -9L27_S903_755S-CORDEL

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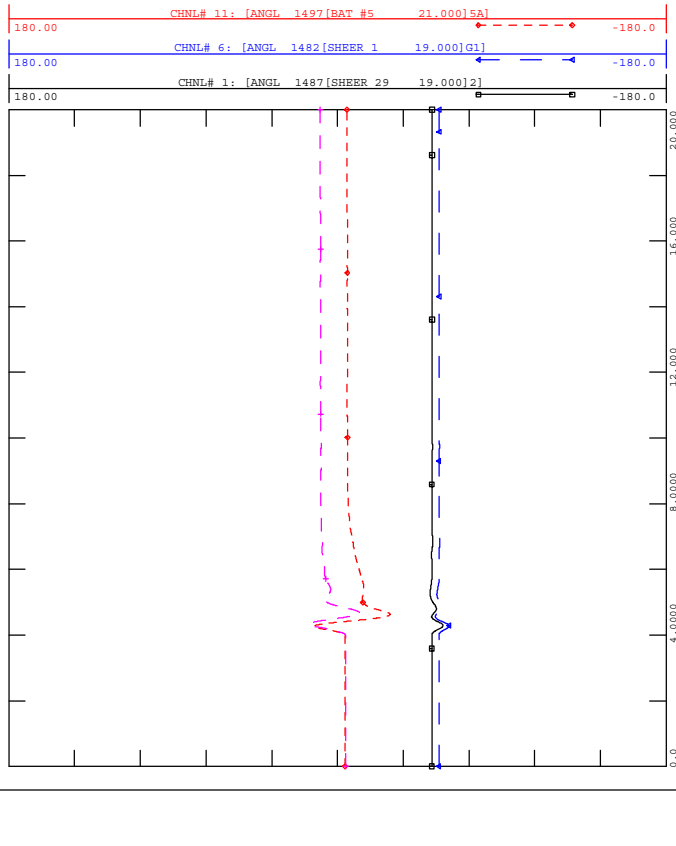
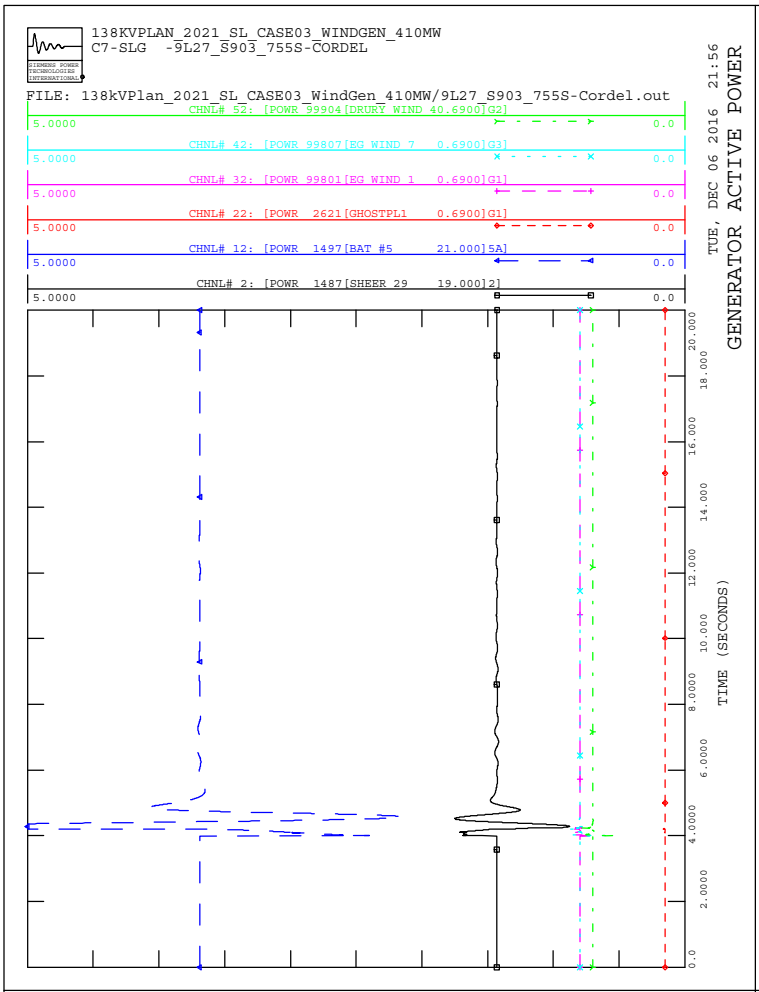
MACHINE ANGLE

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C7-SLG -9L27_S903_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_S903_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:56
GENERATOR ACTIVE POWER
TIME (SECONDS)
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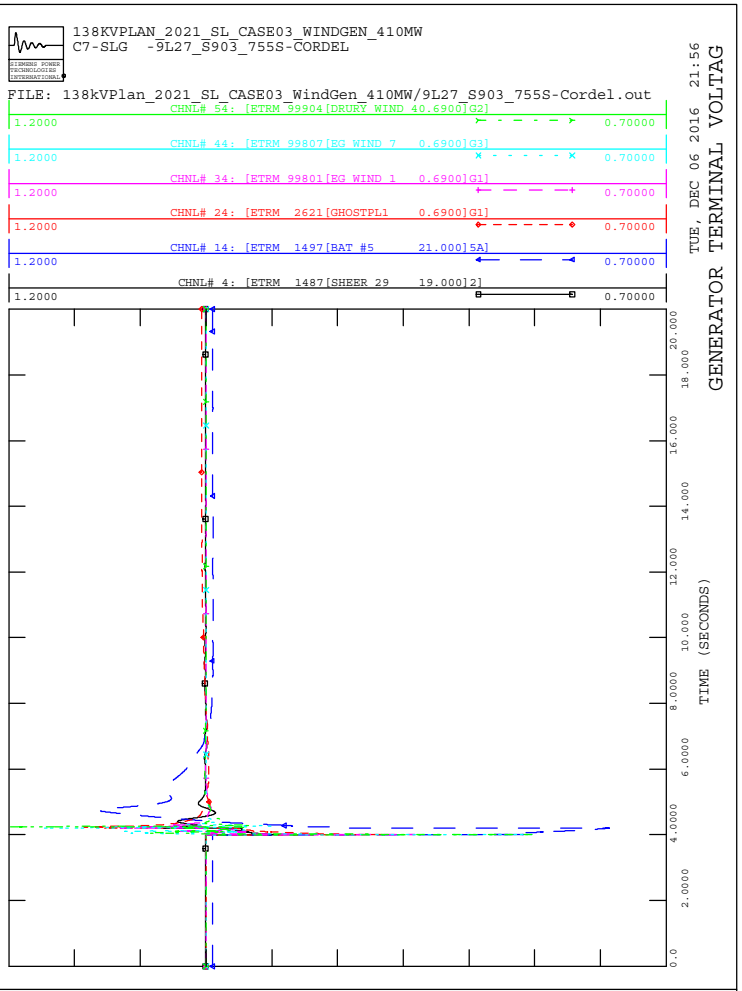
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C7-SLG -9L27_S903_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L27_S903_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
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CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:56
GENERATOR TERMINAL VOLTAG
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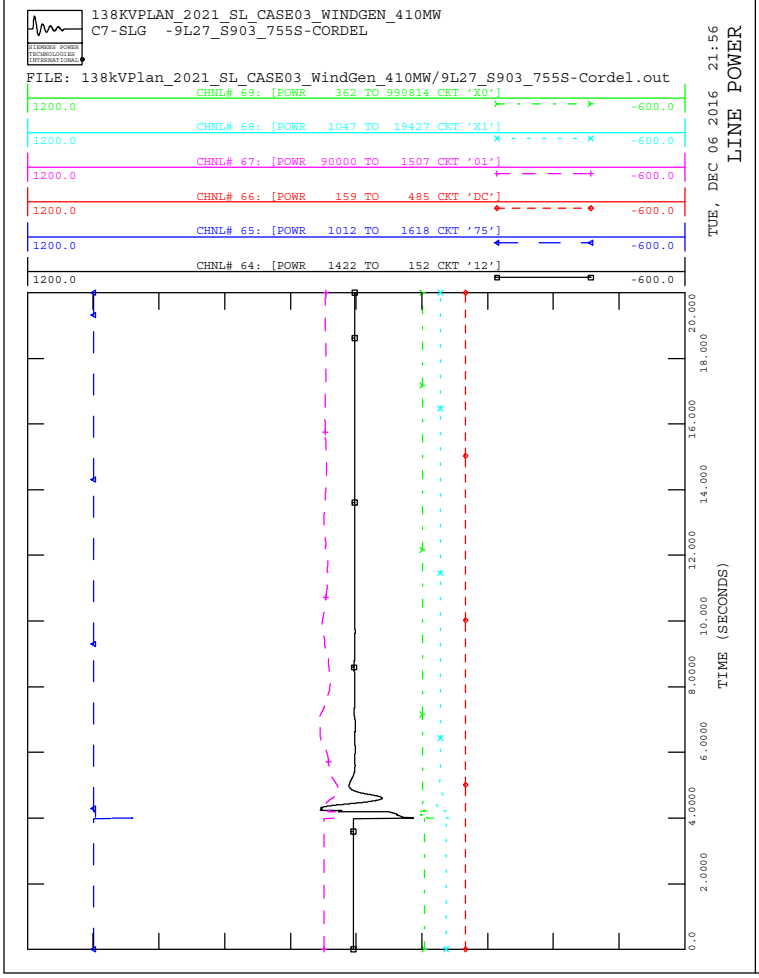
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C7-SLG -9L27_S903_755S-CORDEL
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CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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-600.0
TUE, DEC 06 2016 21:56
LINE POWER
TIME (SECONDS)
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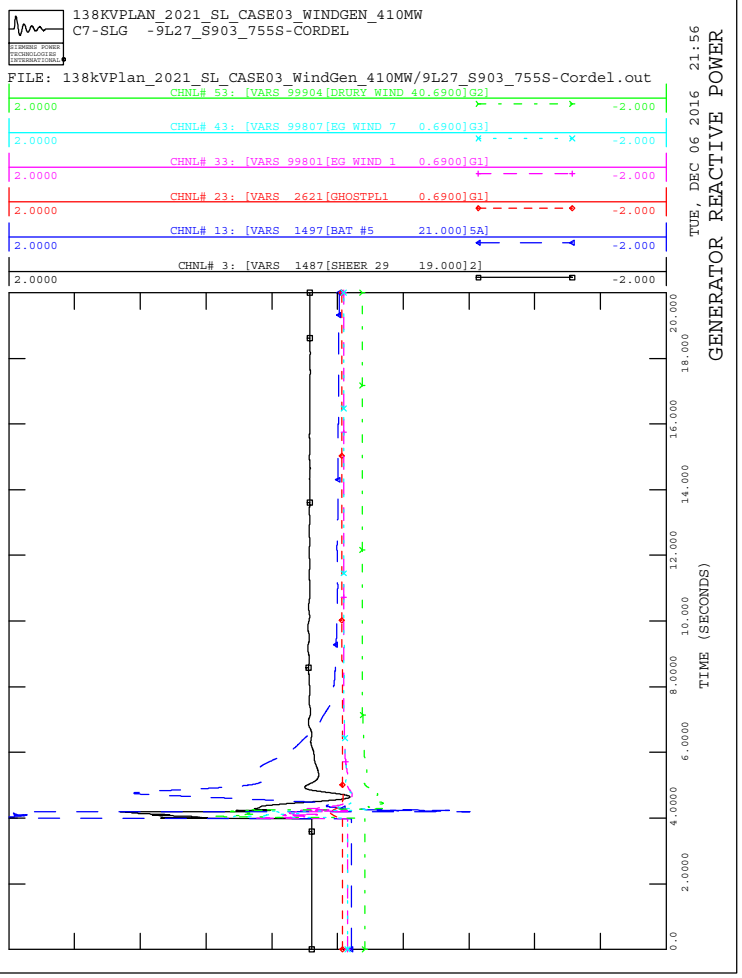
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CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:56
GENERATOR REACTIVE POWER
TIME (SECONDS)
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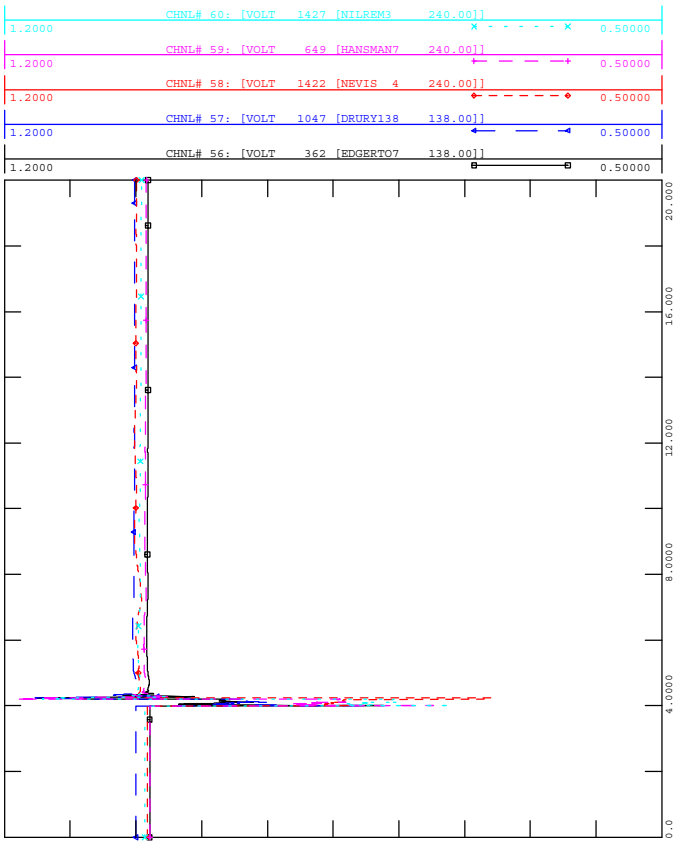
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_S901_755S-Cordel.out

TUE, DEC 06 2016 21:56

BUS VOLTAGE



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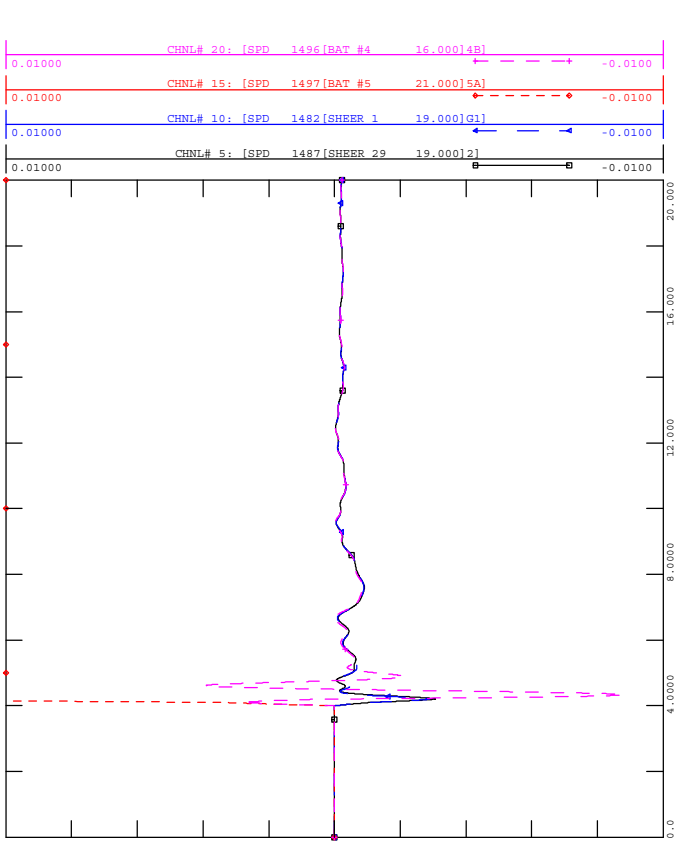
MACHINE SPEED



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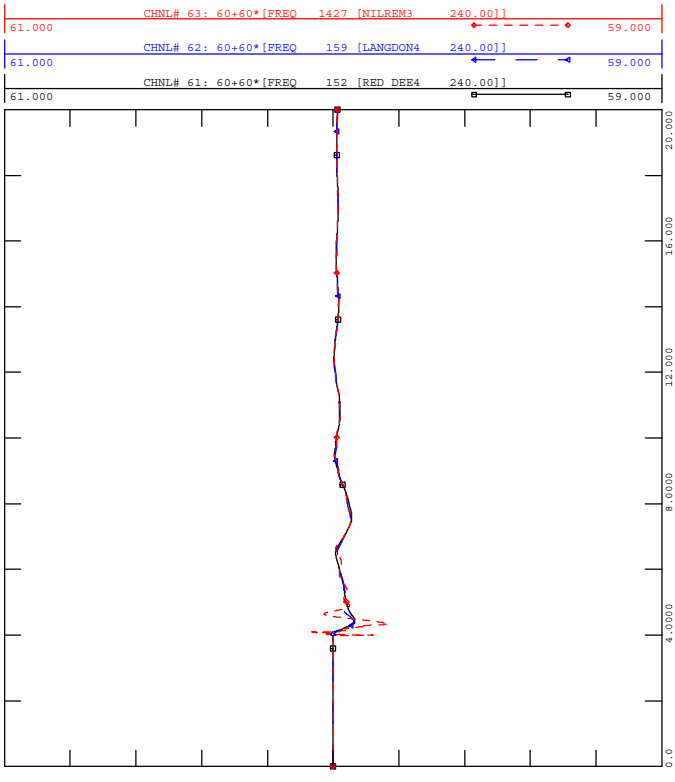

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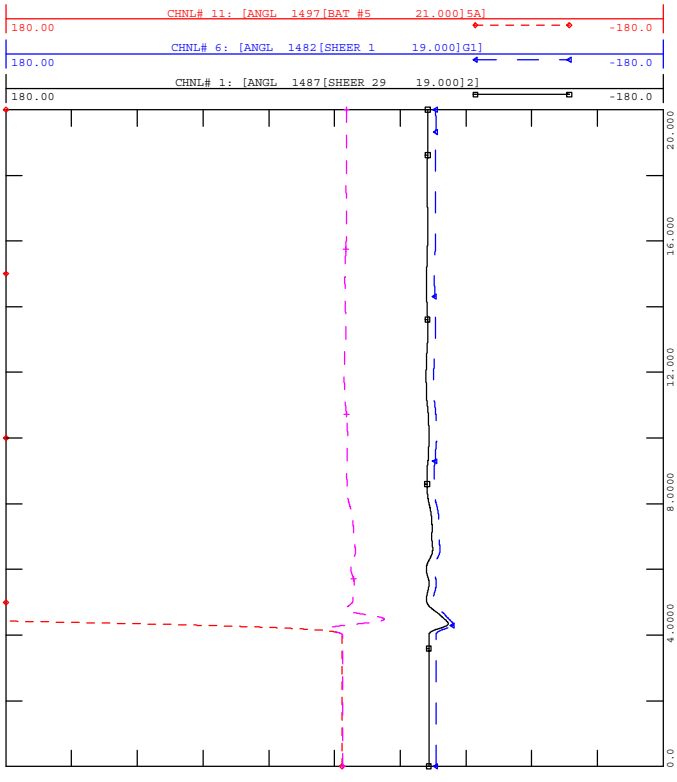

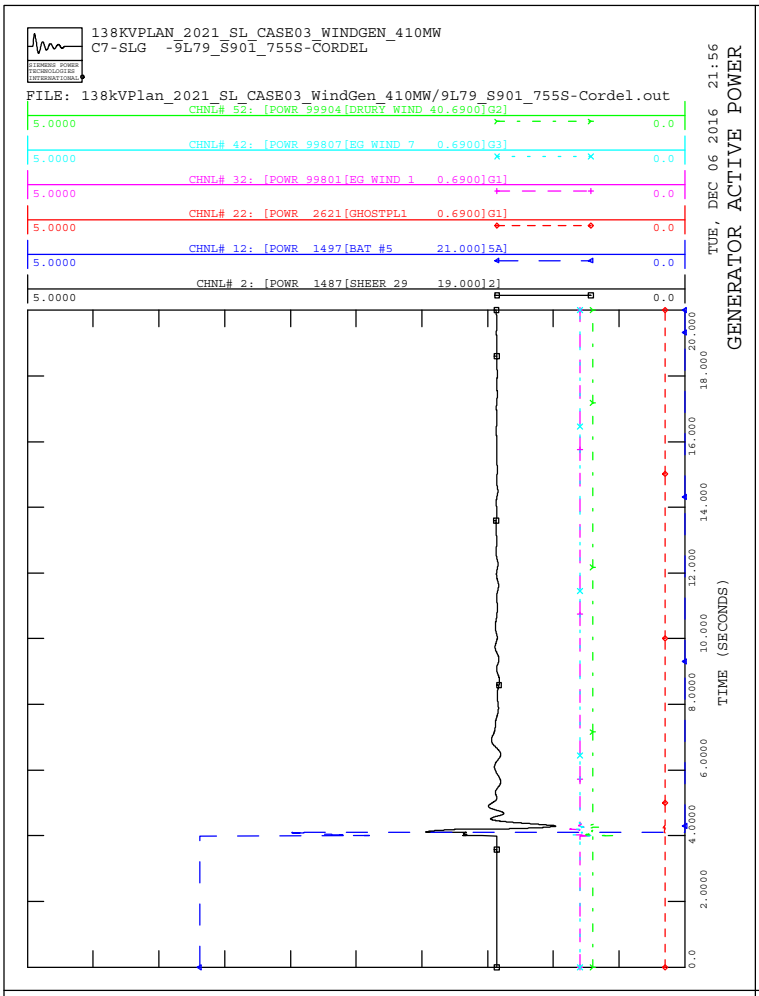
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C7-SLG -9L79_S901_755S-CORDEL
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:56
GENERATOR ACTIVE POWER
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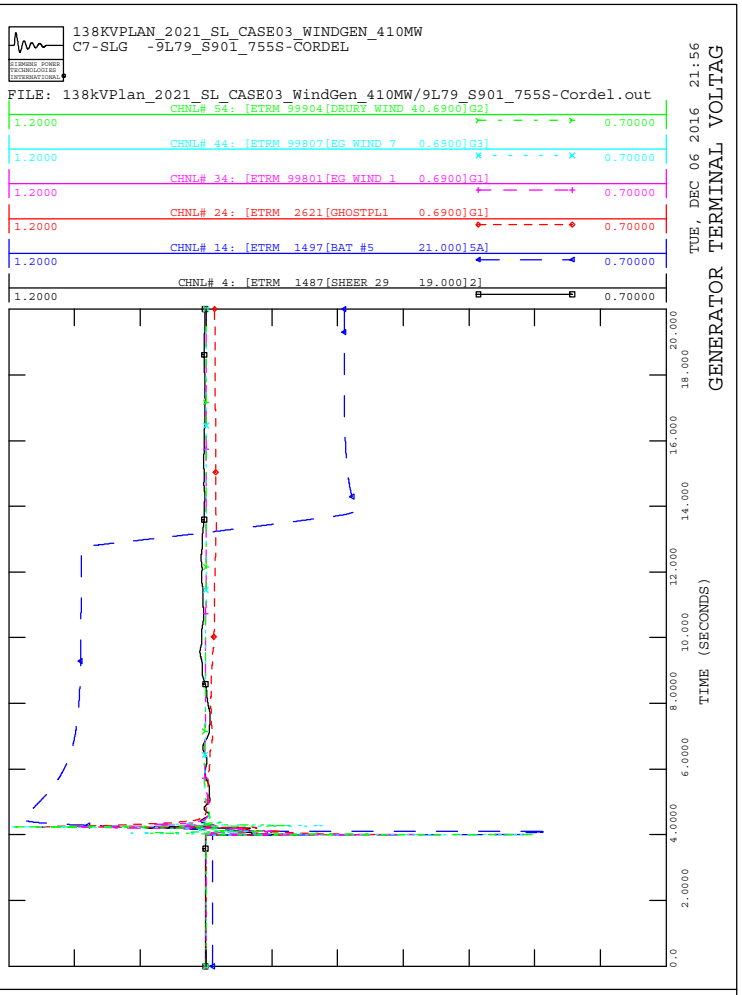
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C7-SLG -9L79_S901_755S-CORDEL
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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TUE, DEC 06 2016 21:56
GENERATOR TERMINAL VOLTAG
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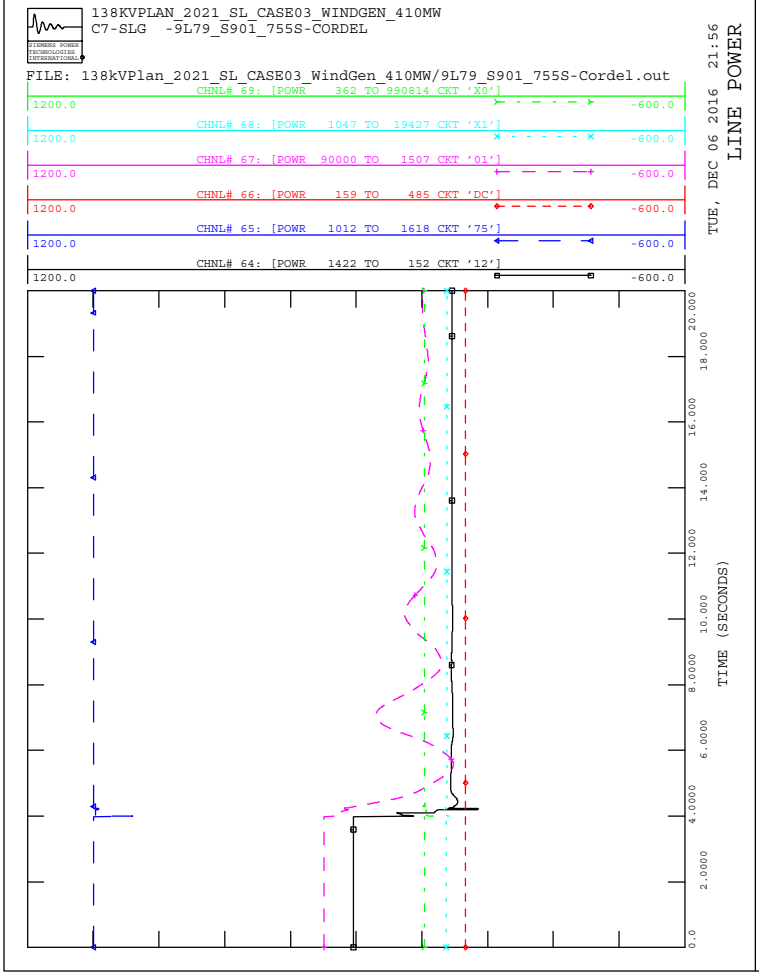
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C7-SLG -9L79_S901_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_S901_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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TUE, DEC 06 2016 21:56
LINE POWER
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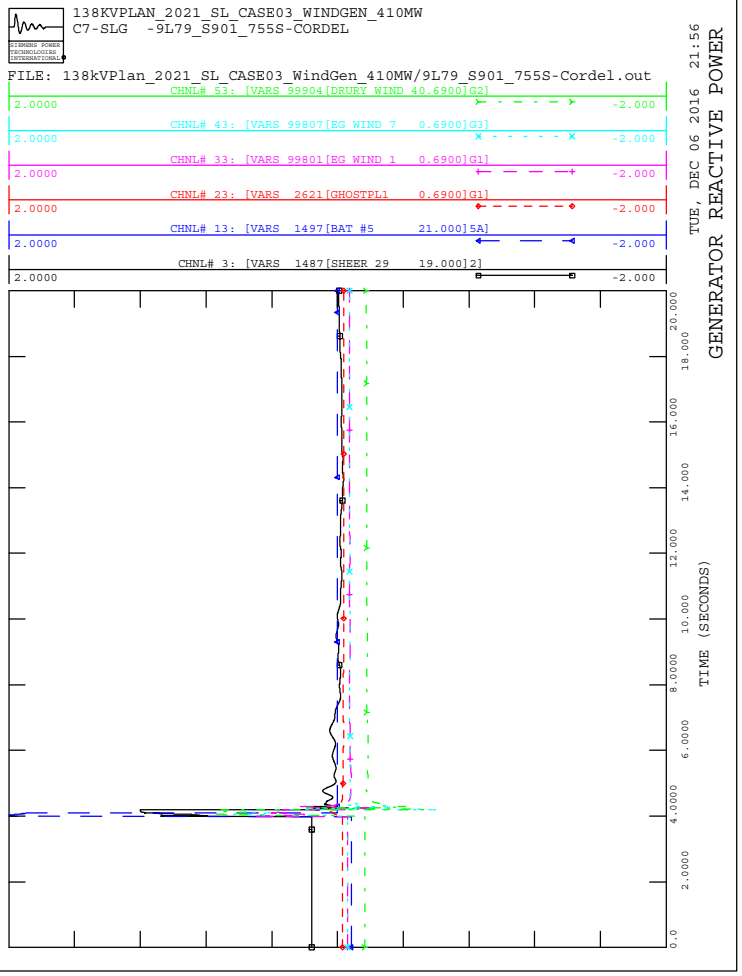
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C7-SLG -9L79_S901_755S-CORDEL
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TUE, DEC 06 2016 21:56
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138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL

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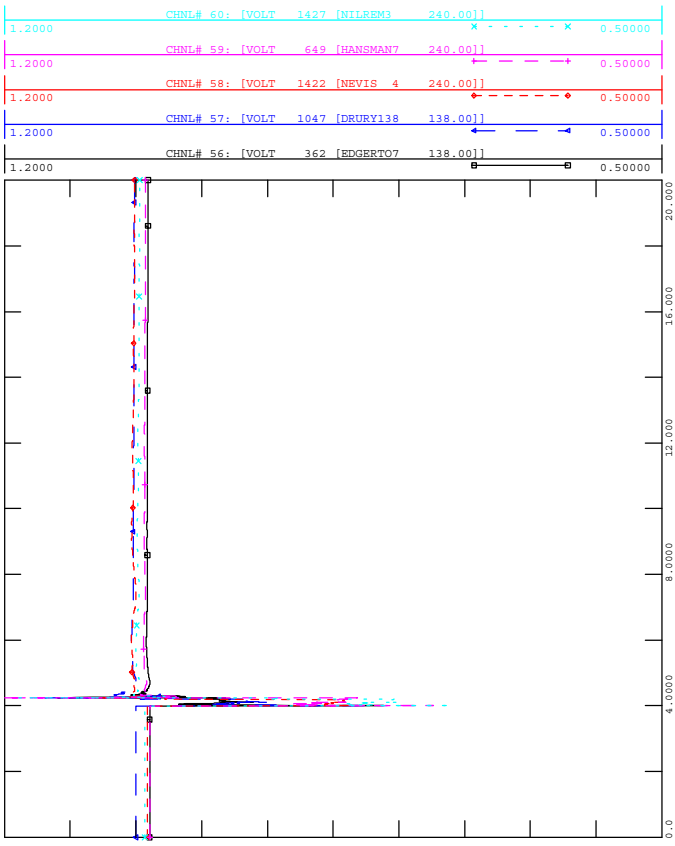
TUE, DEC 06 2016 21:56

BUS VOLTAGE



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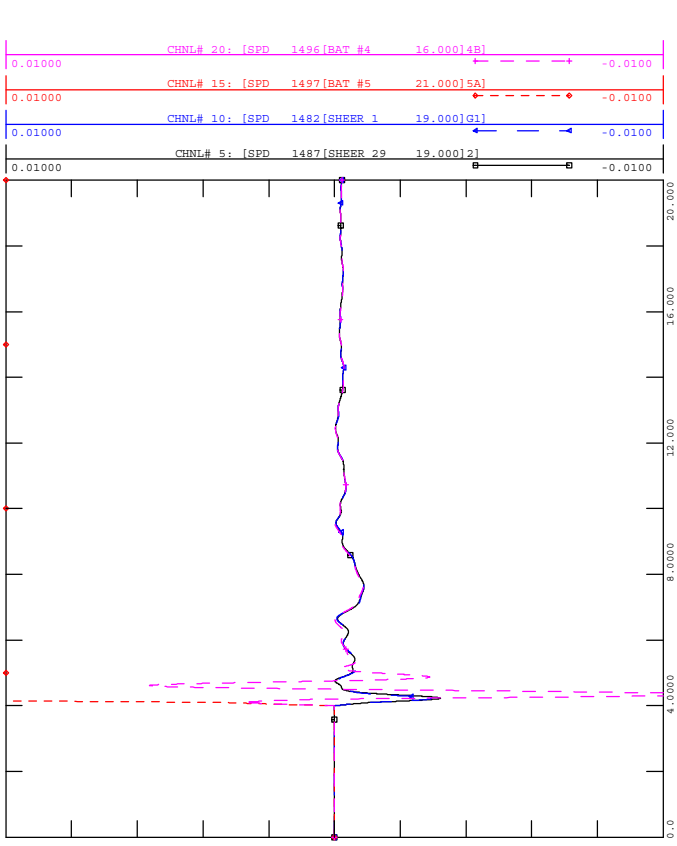
C7-SLG -9L79_S902_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_S902_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE SPEED

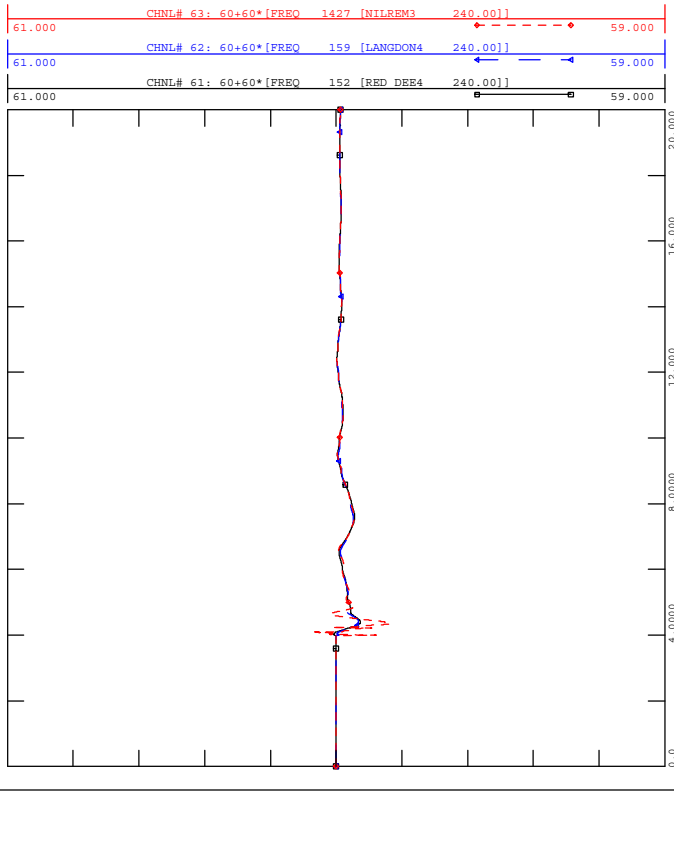


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_S902_755S-Cordel.out

TUE, DEC 06 2016 21:56

FREQUENCY



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL

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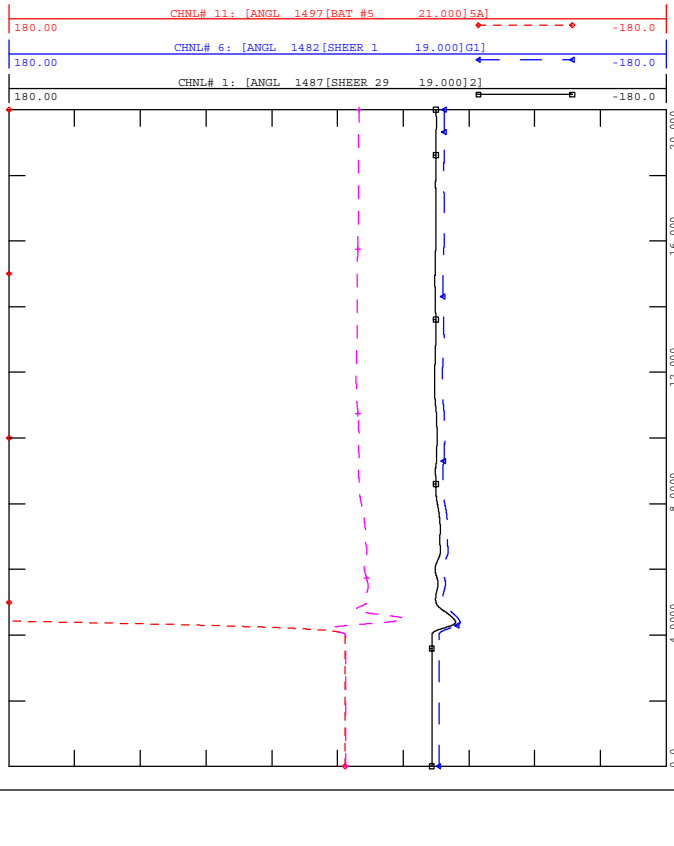
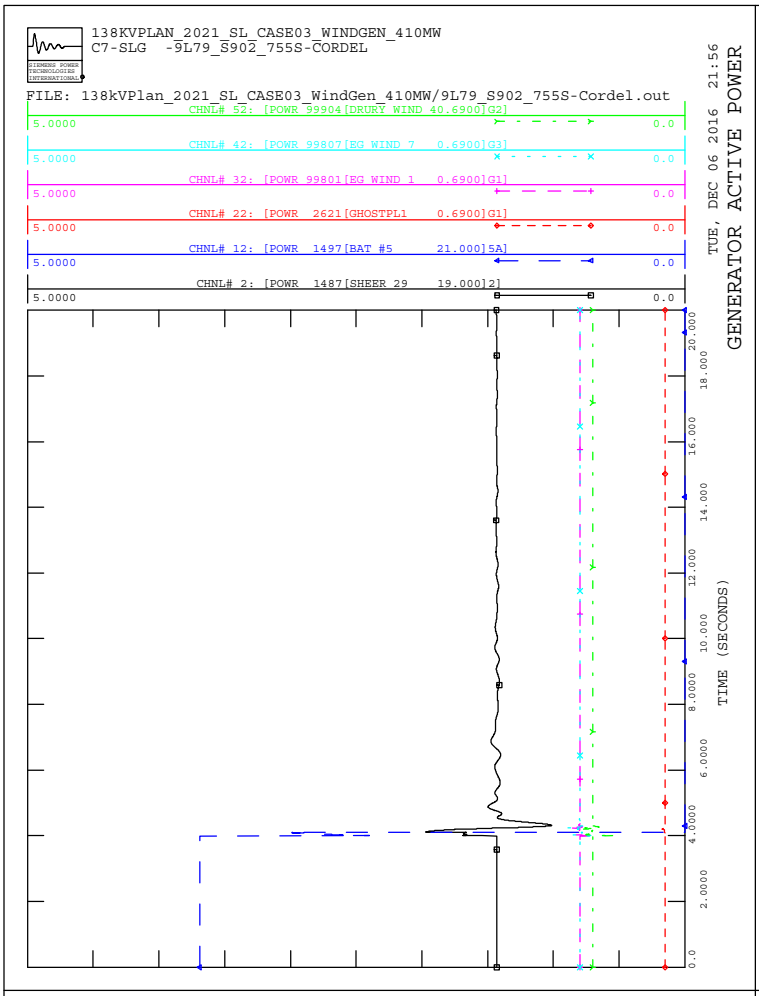
TUE, DEC 06 2016 21:56

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:56
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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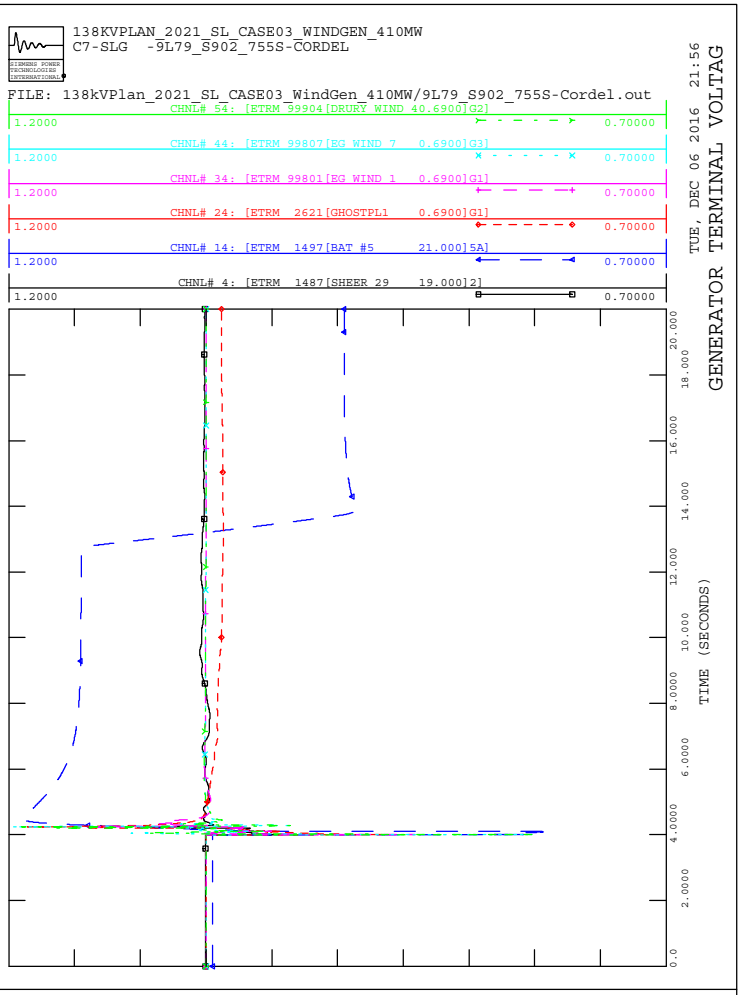
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_S902_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:56
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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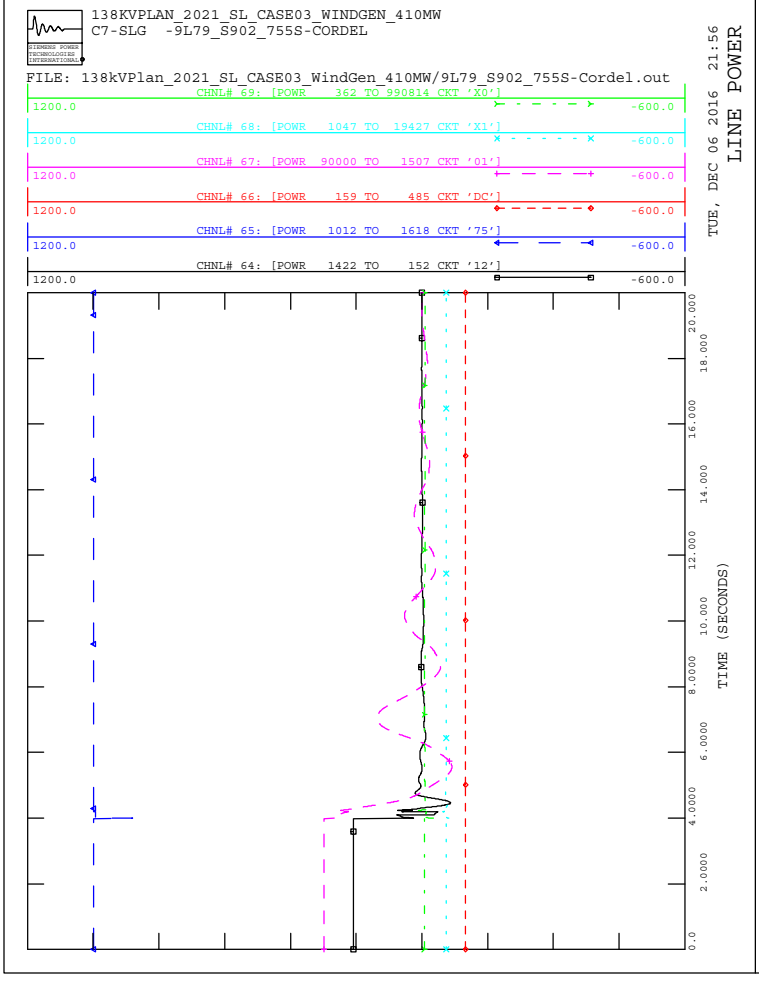
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_S902_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:56
LINE POWER
TIME (SECONDS)
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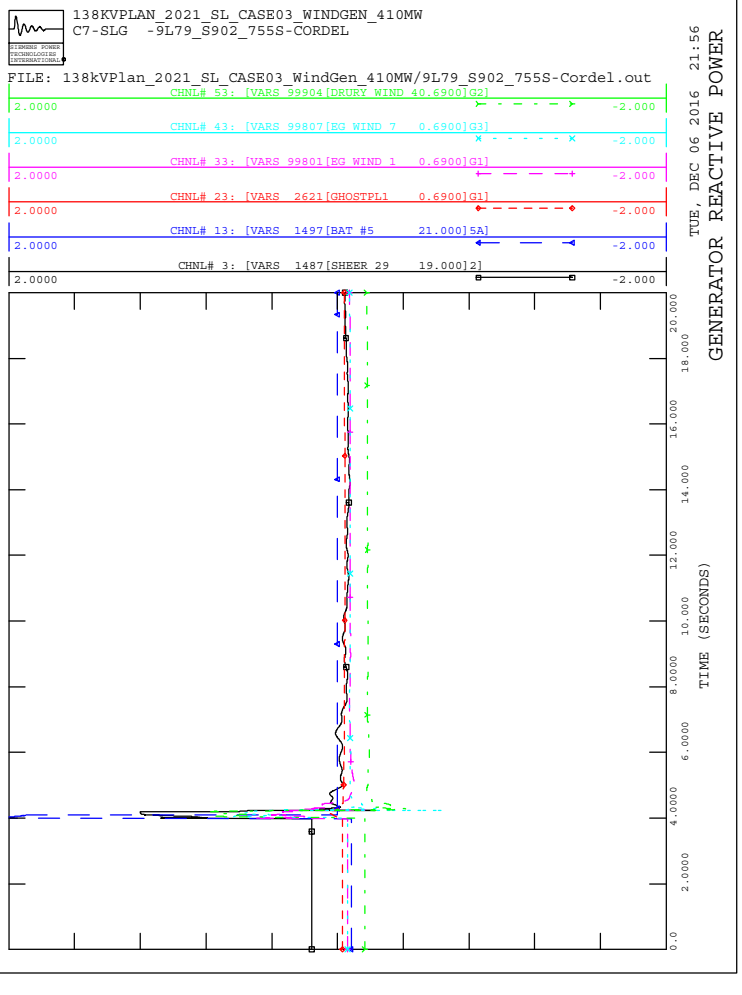
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C7-SLG -9L79_S902_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L79_S902_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:56
GENERATOR REACTIVE POWER
TIME (SECONDS)
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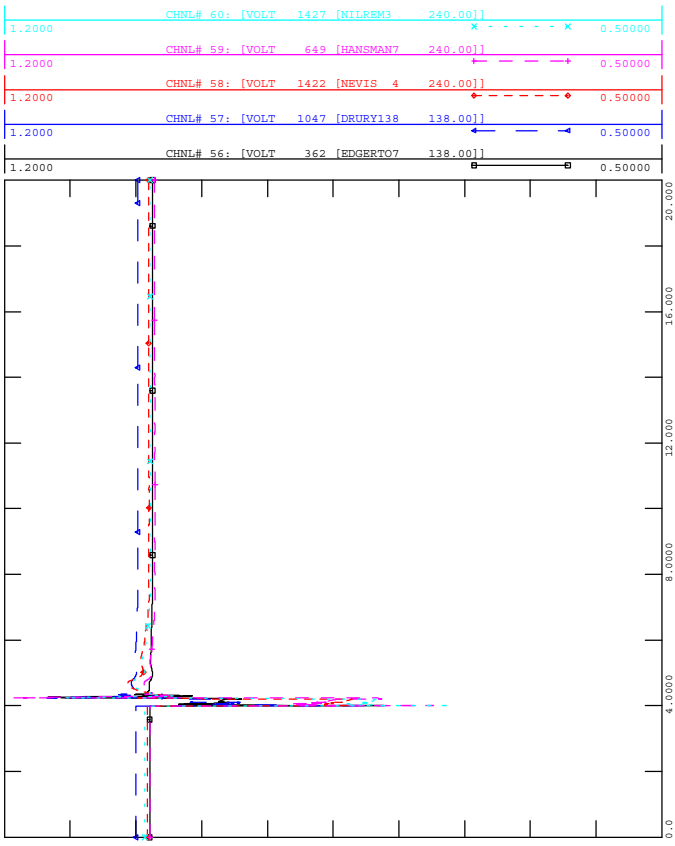
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S903_755S-Cordel.out

TUE, DEC 06 2016 21:56

BUS VOLTAGE

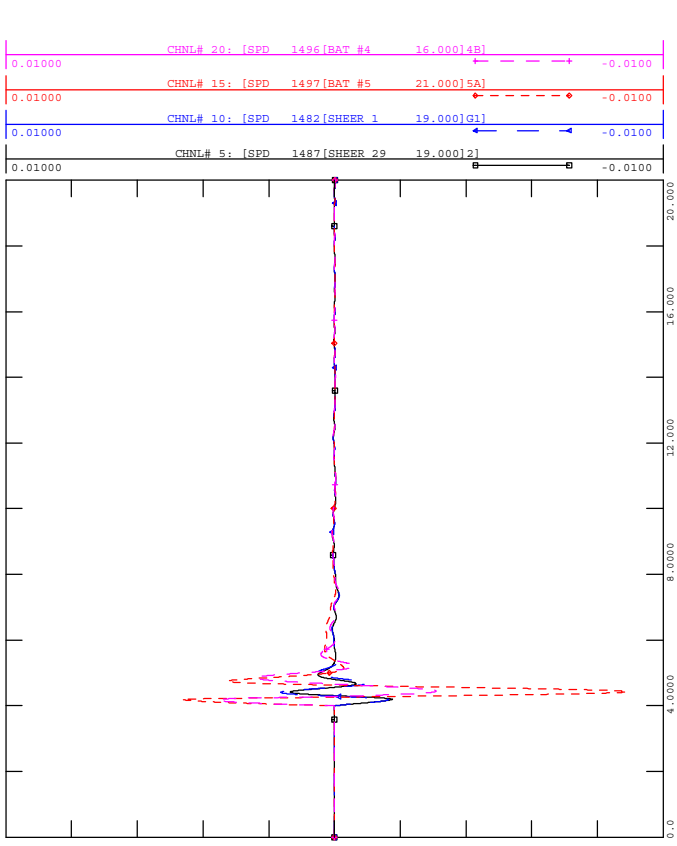


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S903_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL

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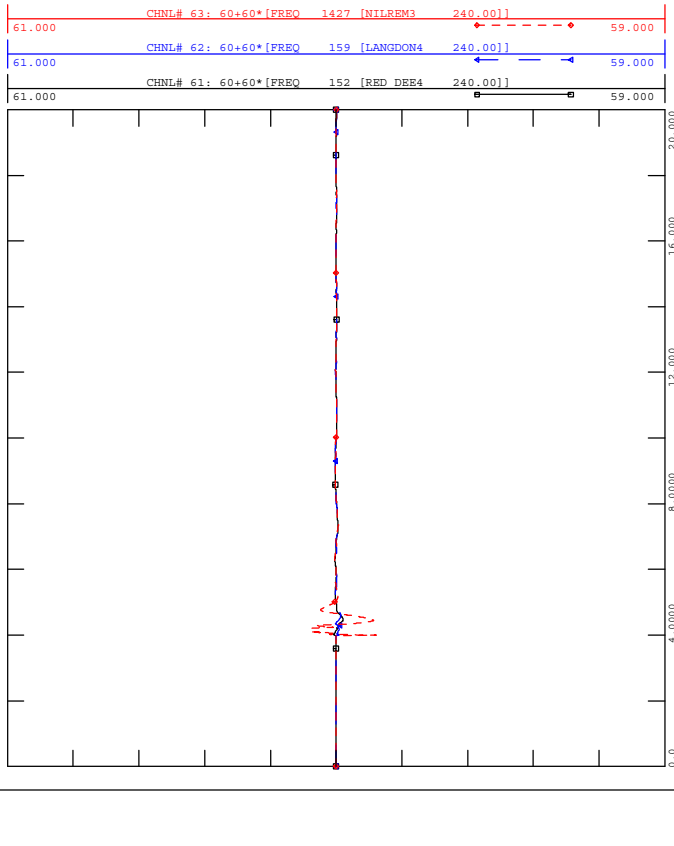

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL

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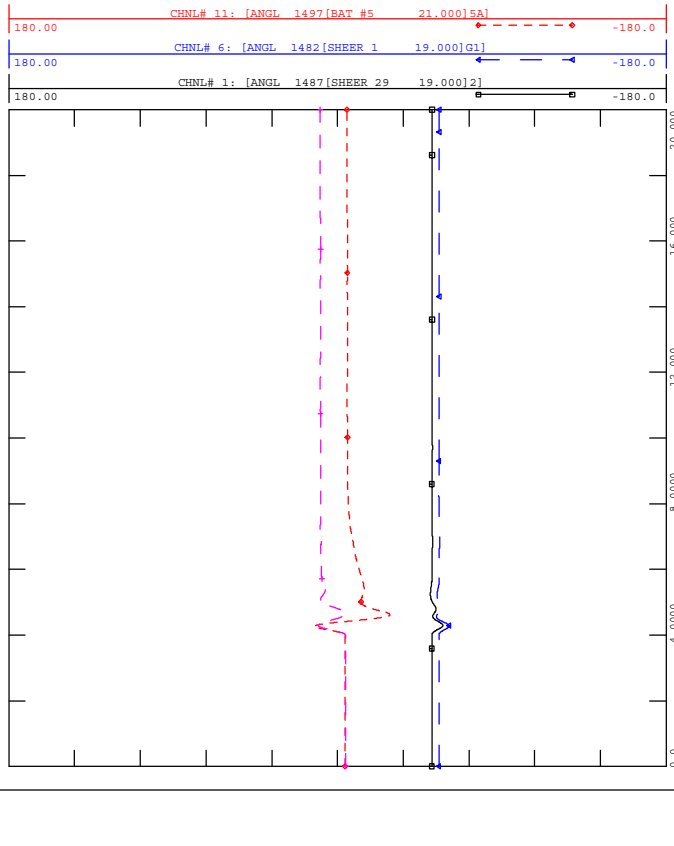
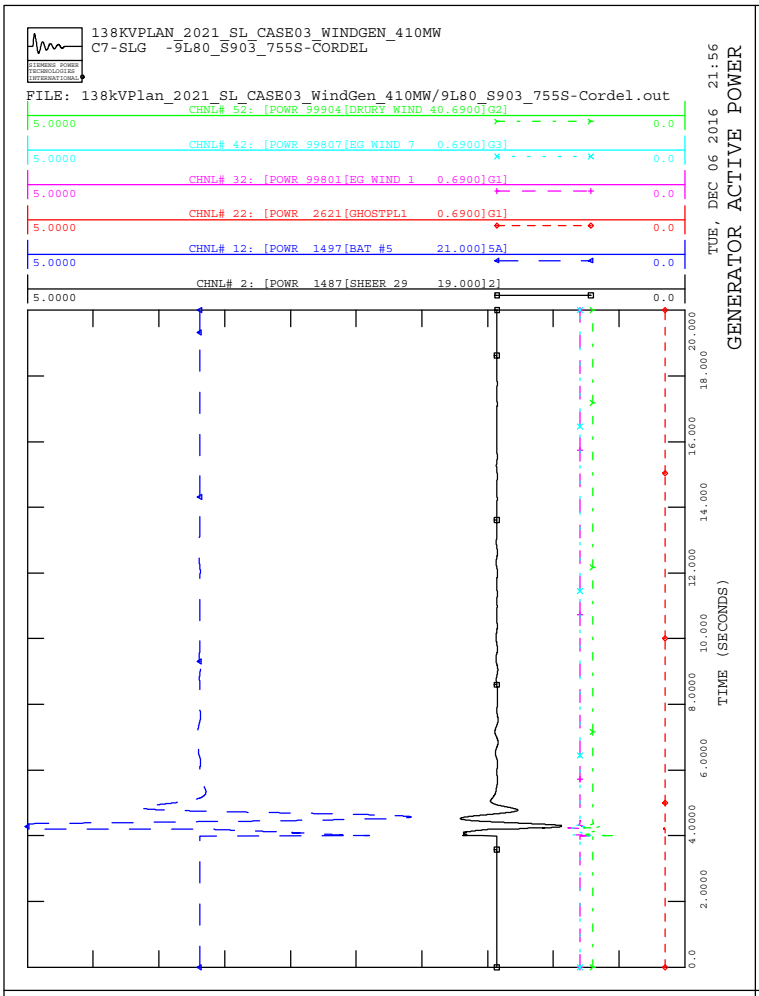
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S903_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:56
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
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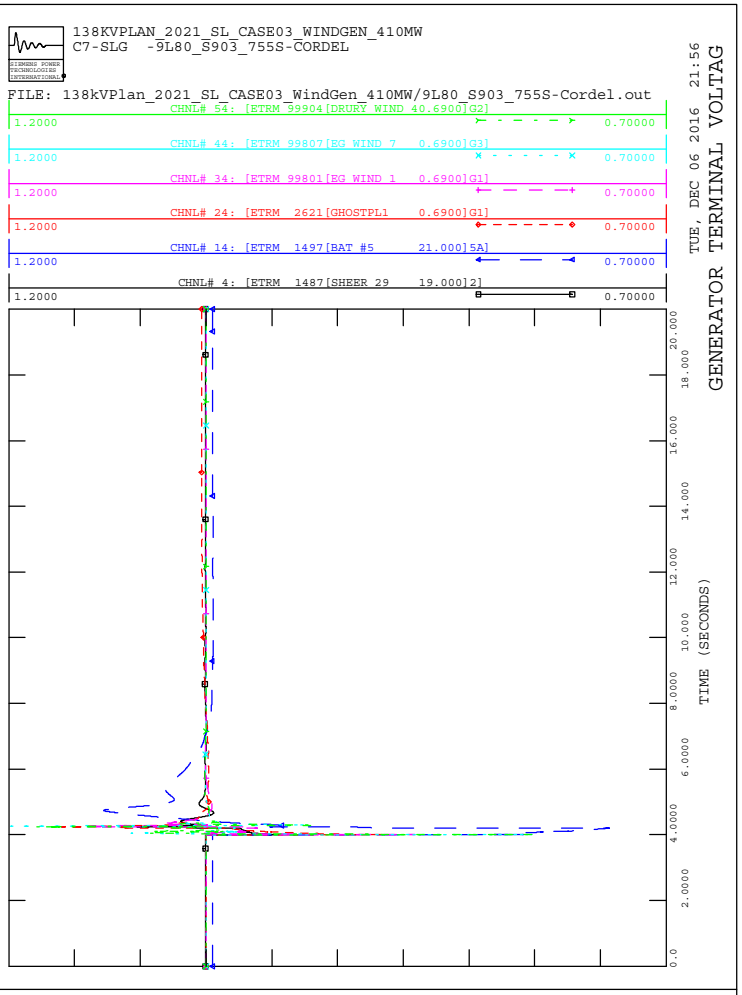
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S903_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:56
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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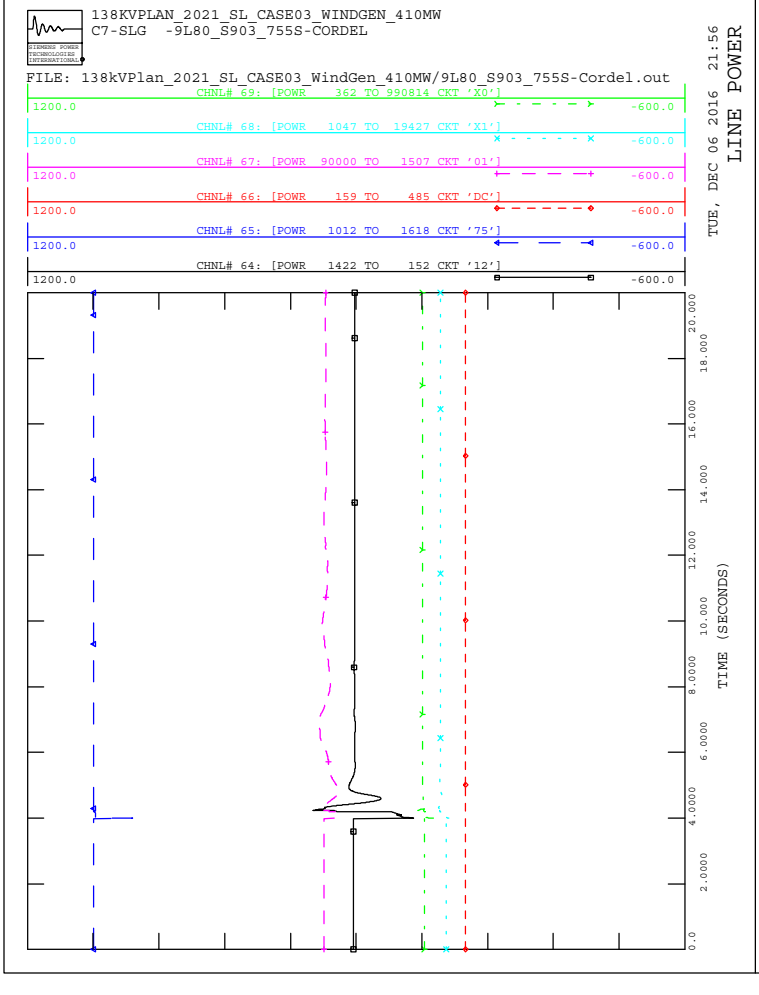
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL
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CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:56
LINE POWER
TIME (SECONDS)
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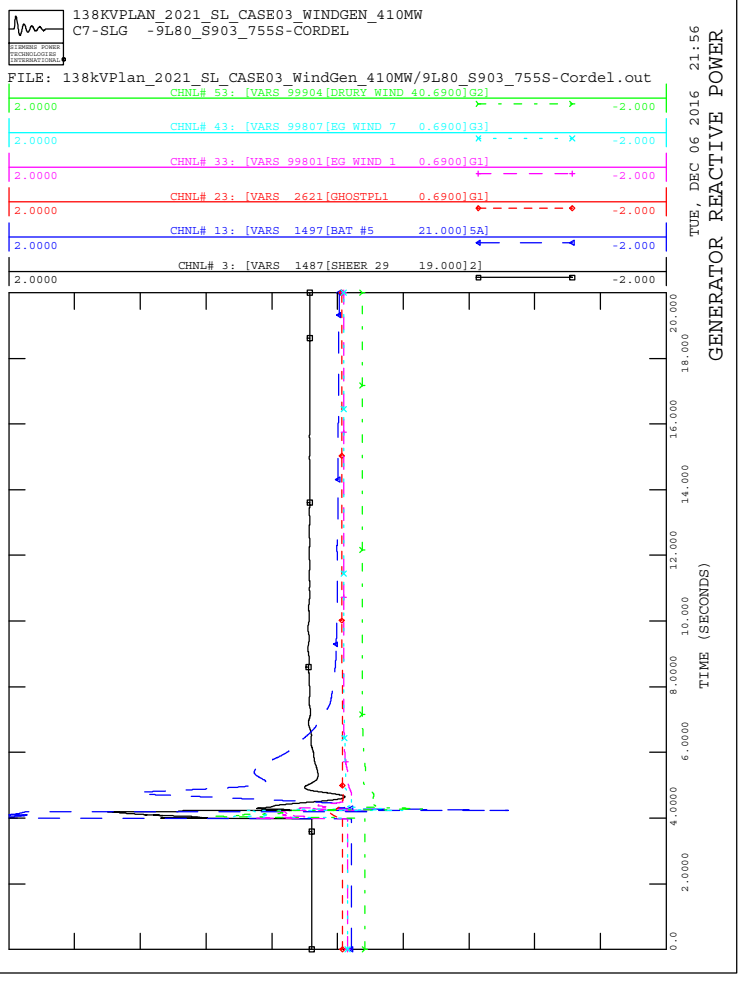
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:56
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
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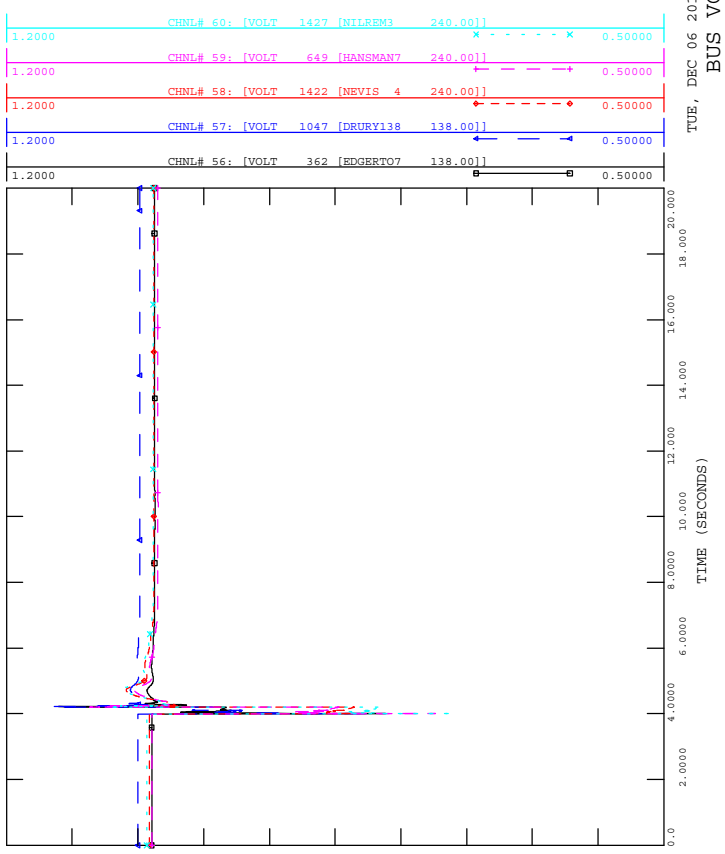
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S904_755S-Cordel.out

TUE, DEC 06 2016 21:56

BUS VOLTAGE



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C7-SLG -9L80_S904_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S904_755S-Cordel.out

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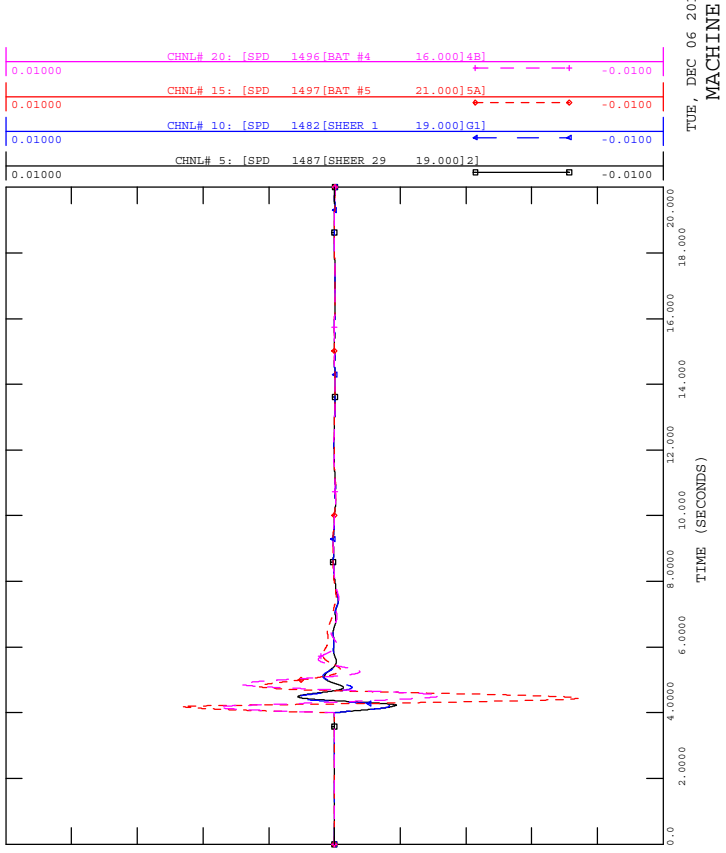
MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S904_755S-Cordel.out

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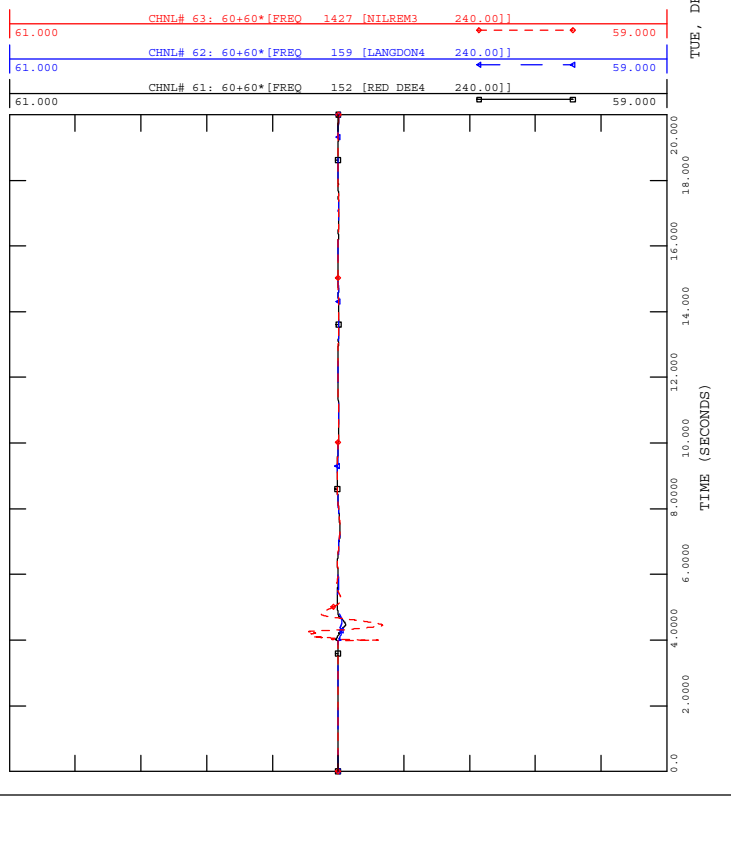

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C7-SLG -9L80_S904_755S-CORDEL

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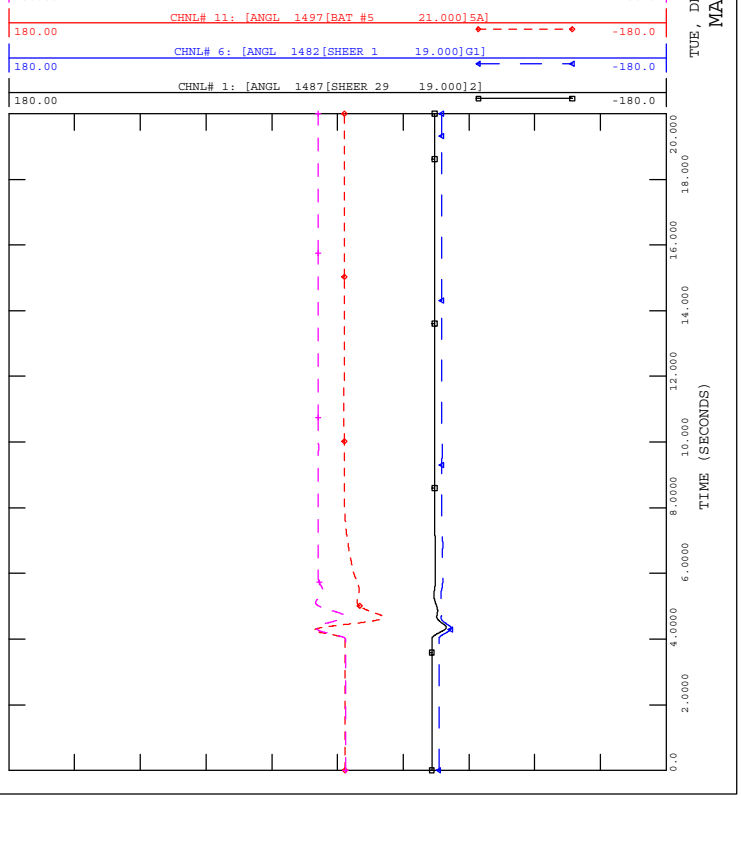
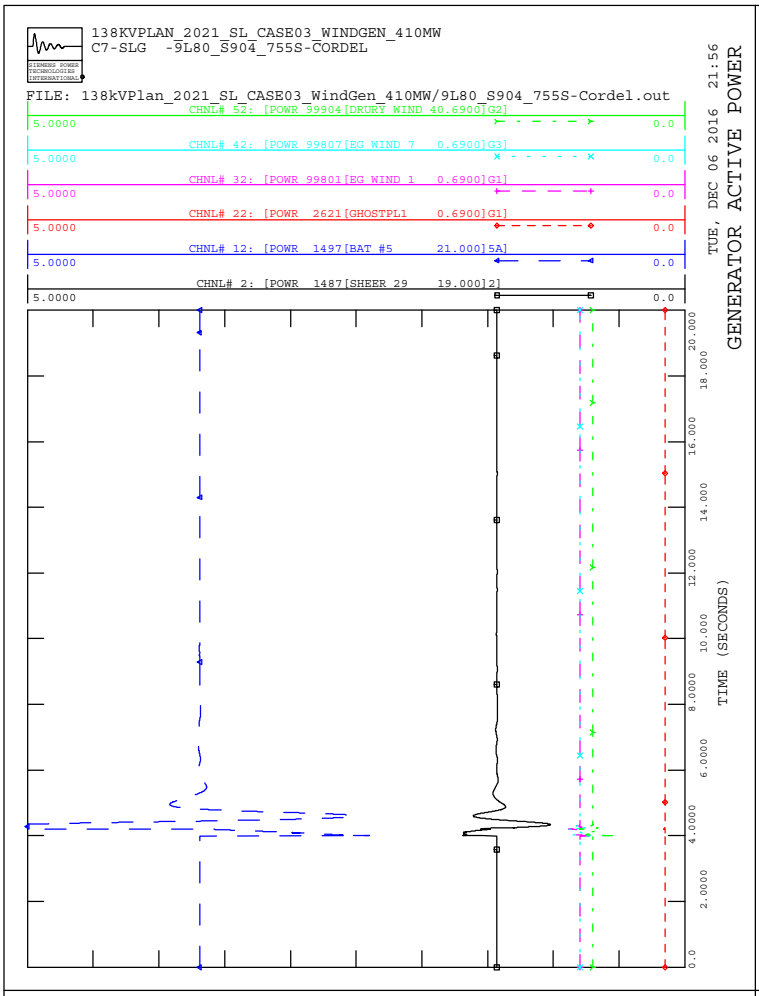
MACHINE ANGLE

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C7-SLG -9L80_S904_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S904_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:56
GENERATOR ACTIVE POWER
TIME (SECONDS)
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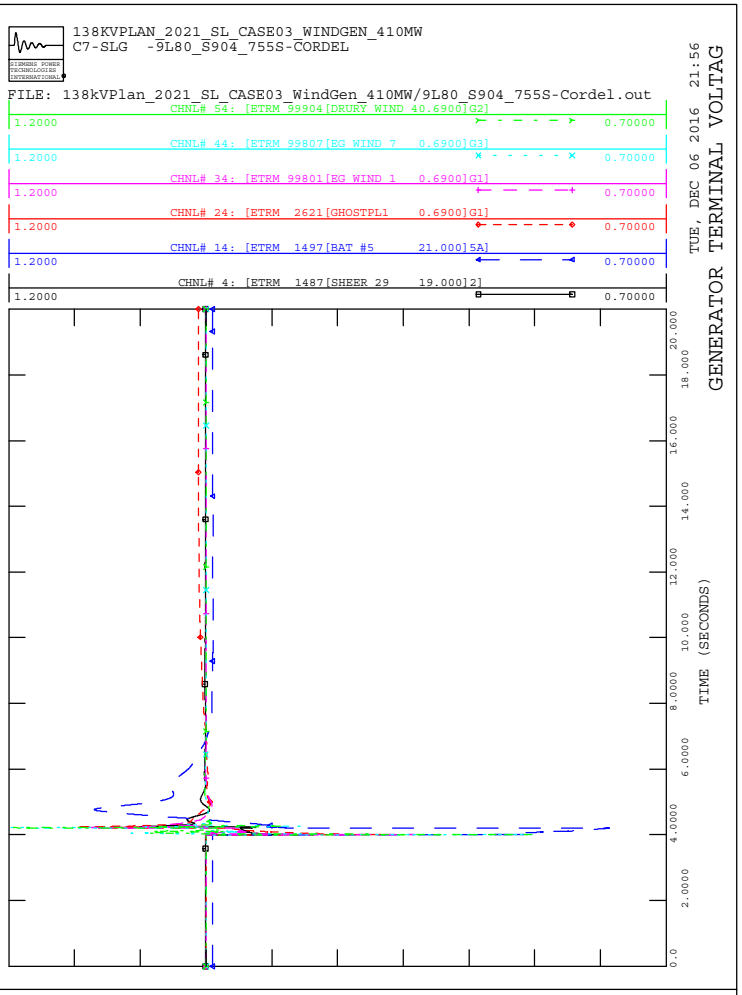
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S904_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S904_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:56
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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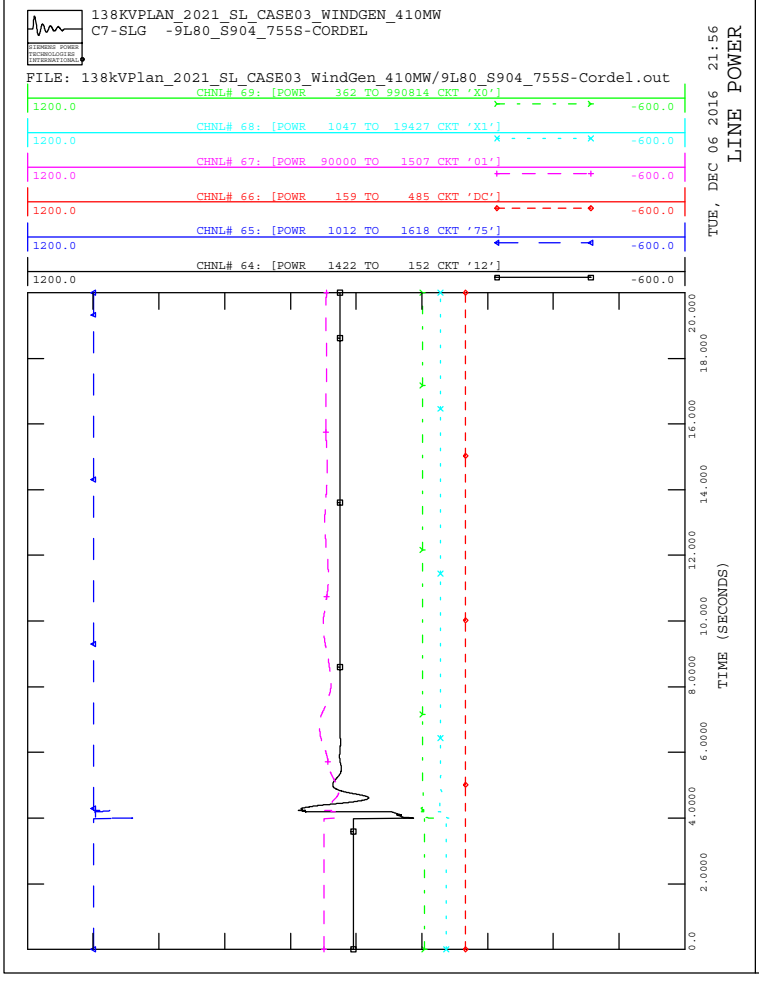
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S904_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S904_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:56
LINE POWER
TIME (SECONDS)
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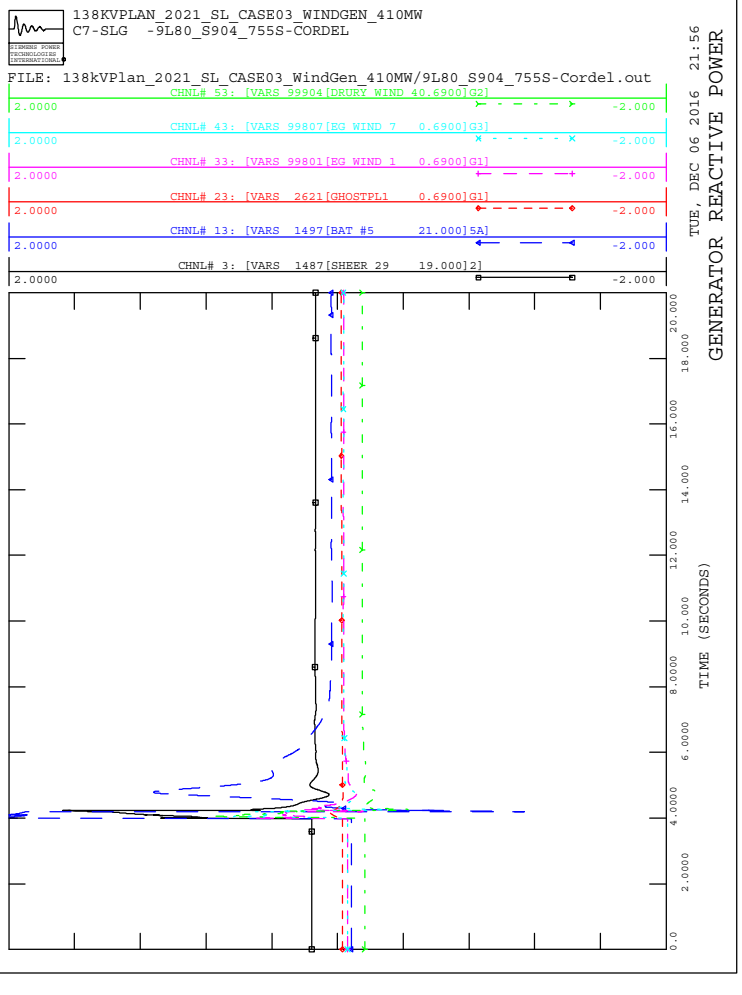
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C7-SLG -9L80_S904_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S904_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
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TUE, DEC 06 2016 21:56
GENERATOR REACTIVE POWER
TIME (SECONDS)
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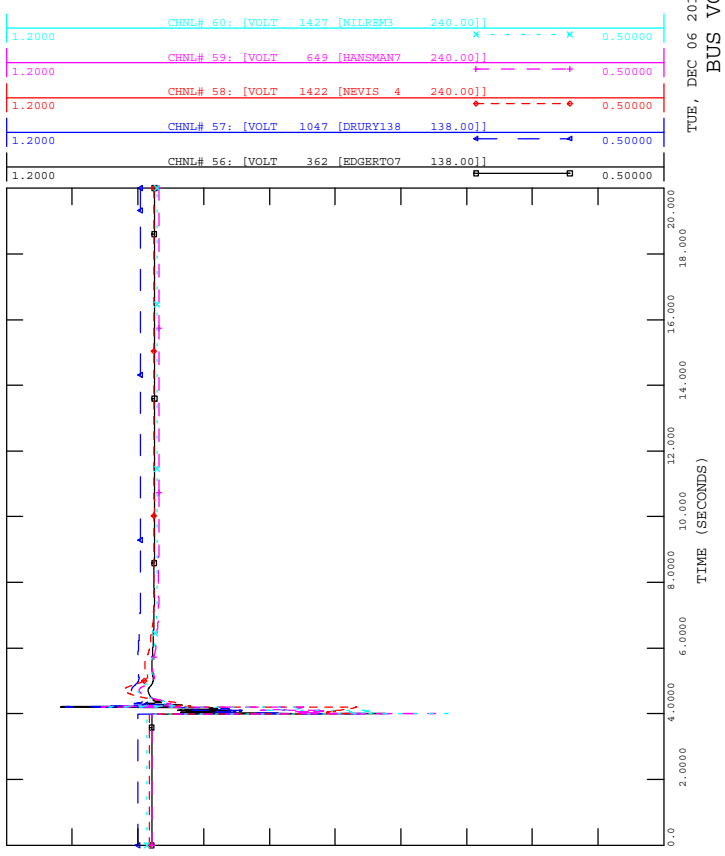
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S905_755S-Cordel.out

TUE, DEC 06 2016 21:56

BUS VOLTAGE

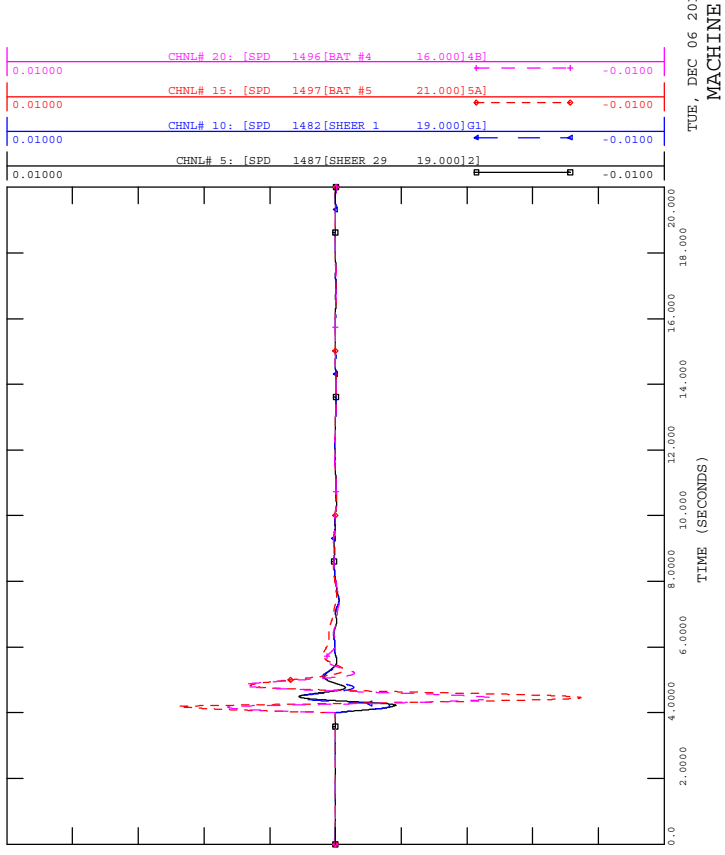


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S905_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE SPEED

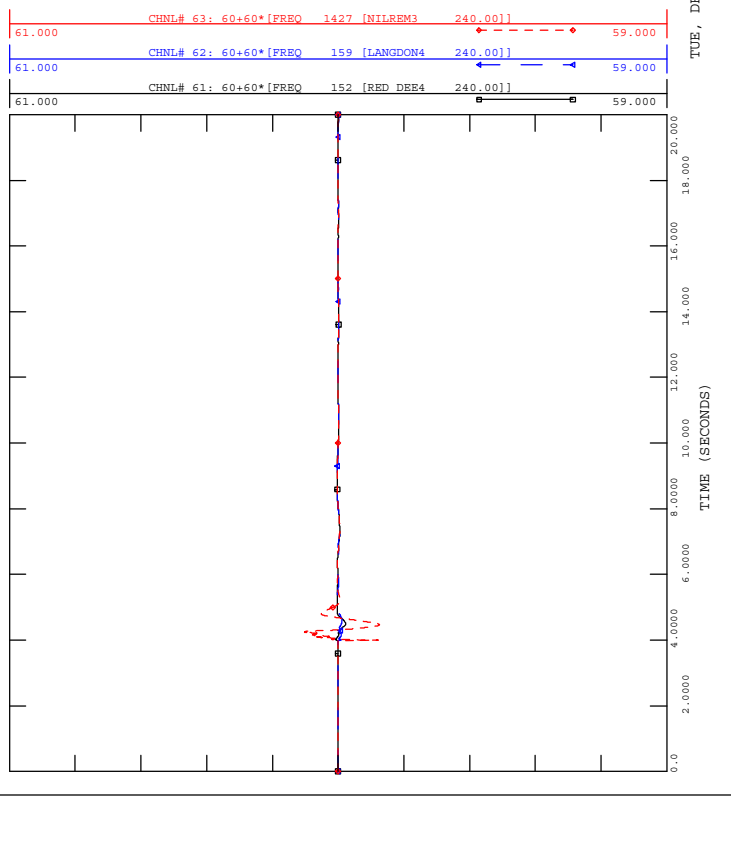


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S905_755S-Cordel.out

TUE, DEC 06 2016 21:56

FREQUENCY

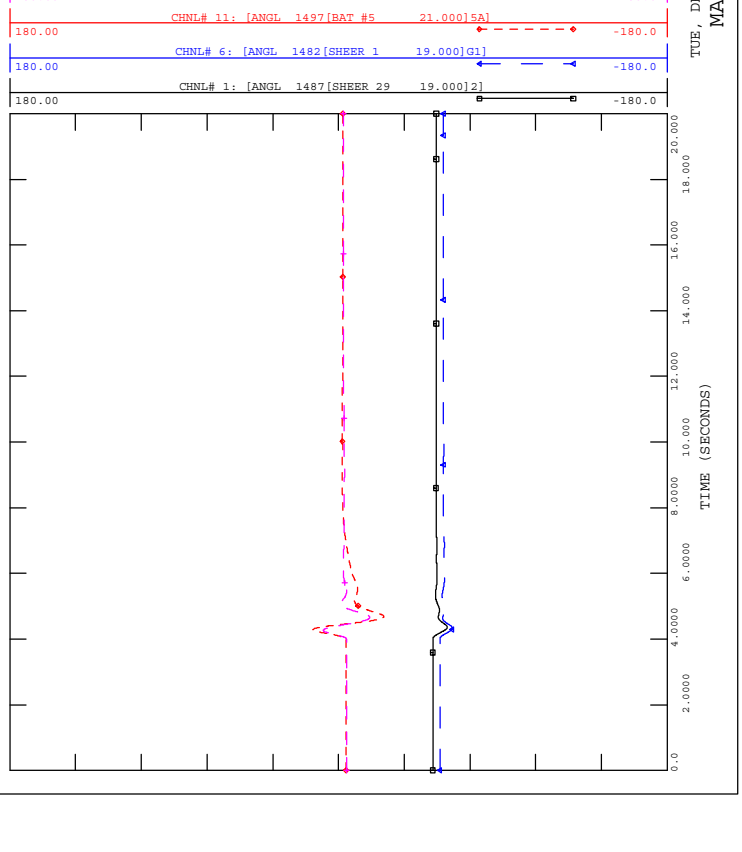


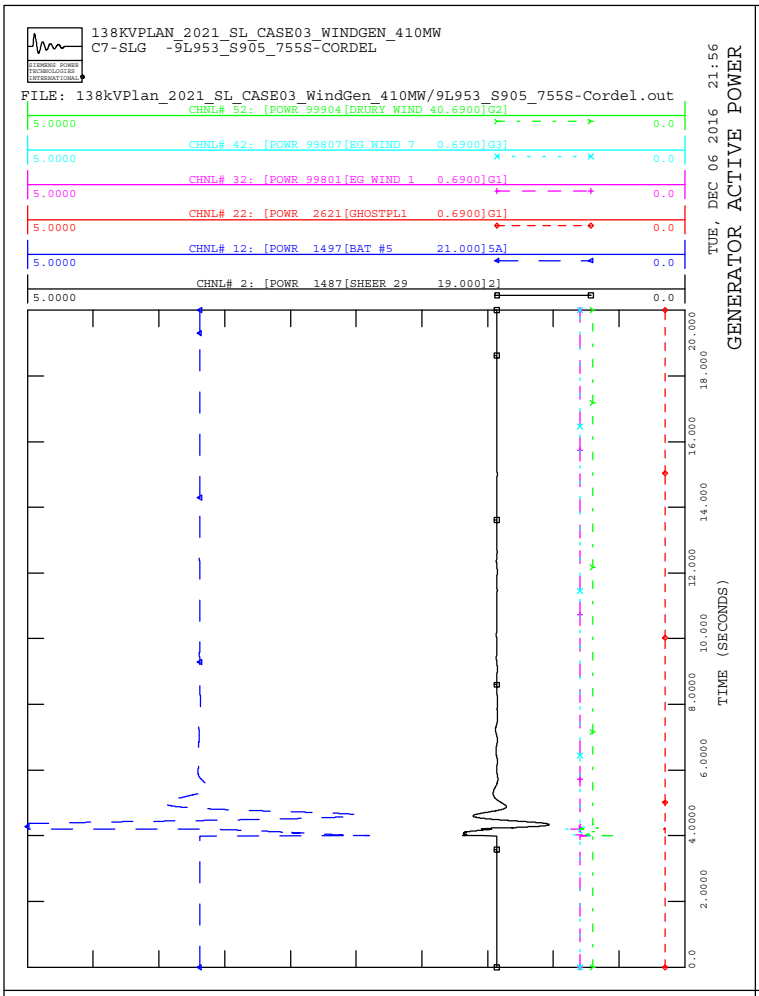
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S905_755S-CORDEL

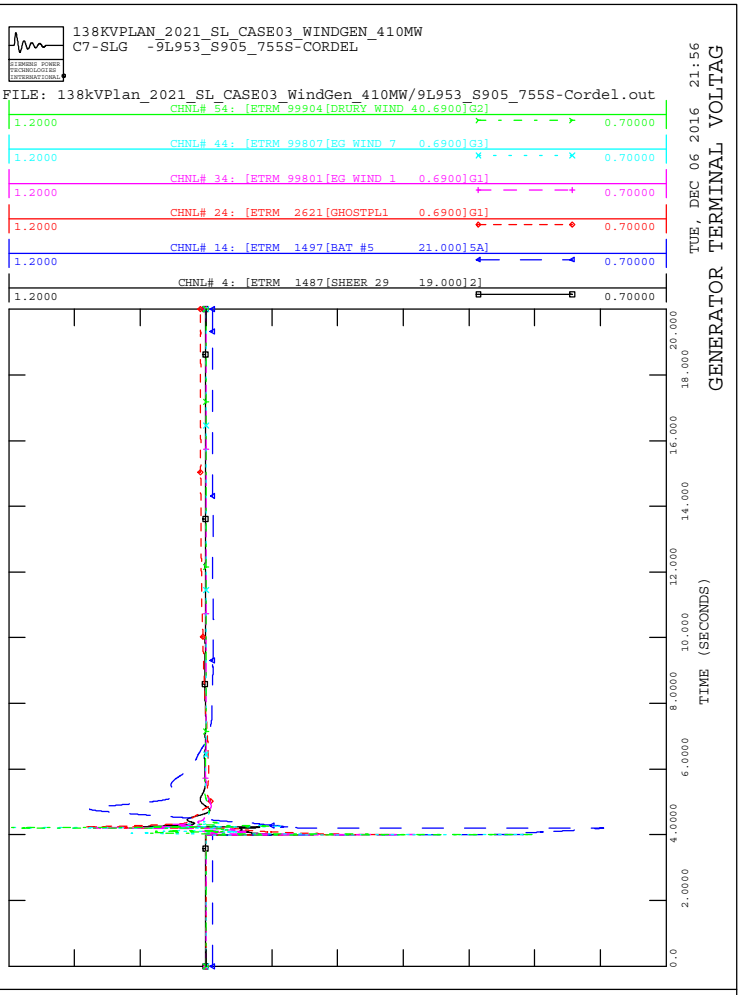
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S905_755S-Cordel.out

TUE, DEC 06 2016 21:56

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S905_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S905_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:56
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S905_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S905_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:56
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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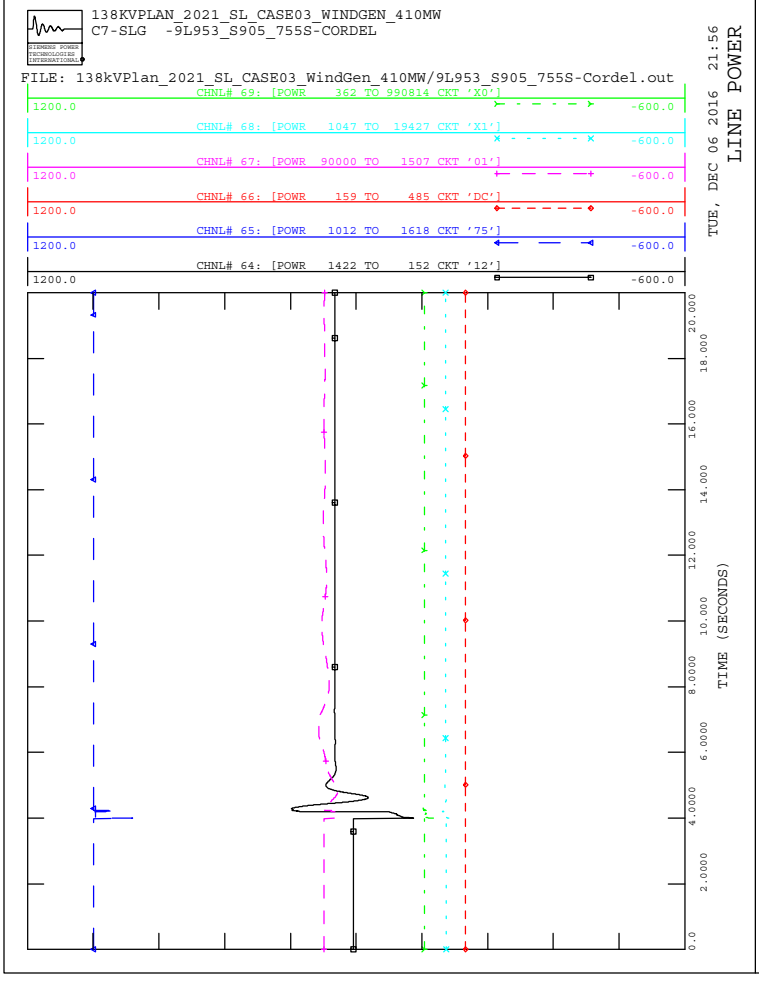
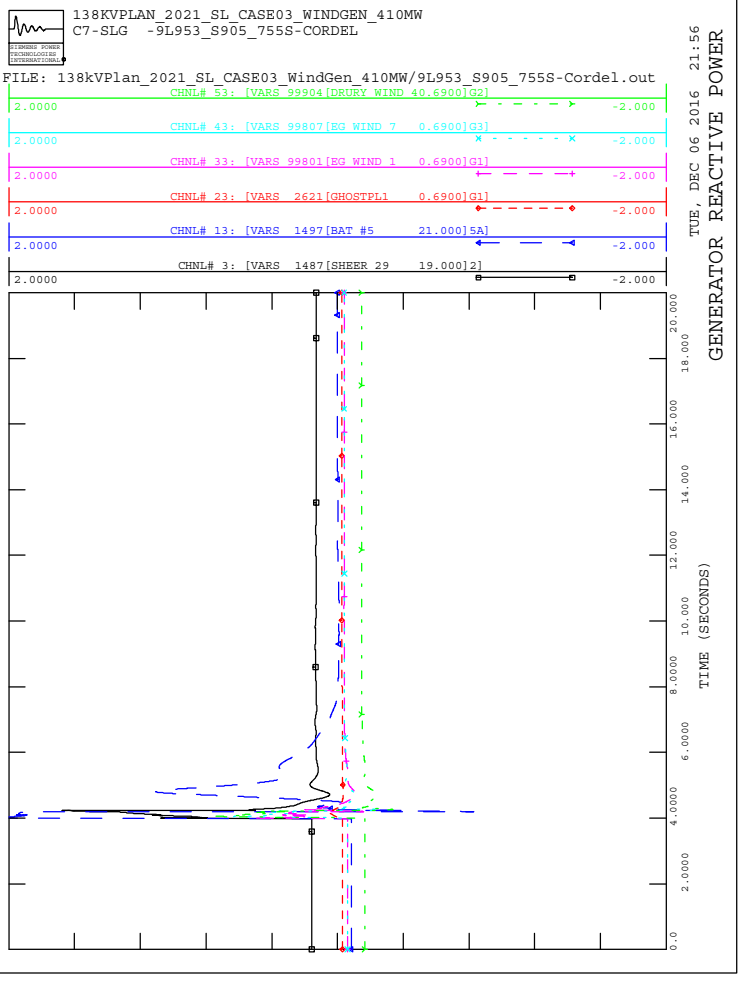
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S905_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S905_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:56
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

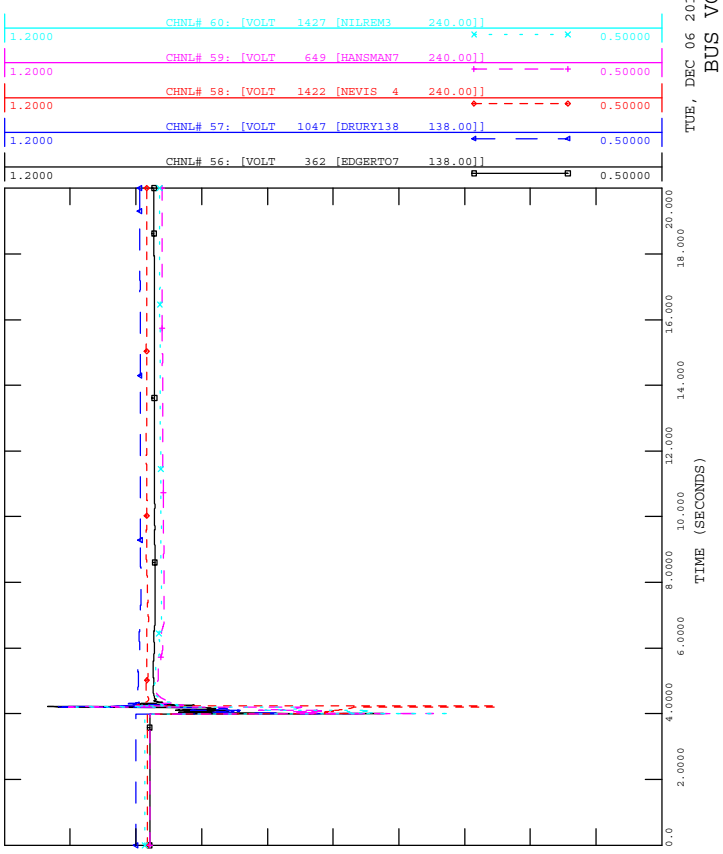

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S905_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S905_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:56
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S906_755S-Cordel.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE

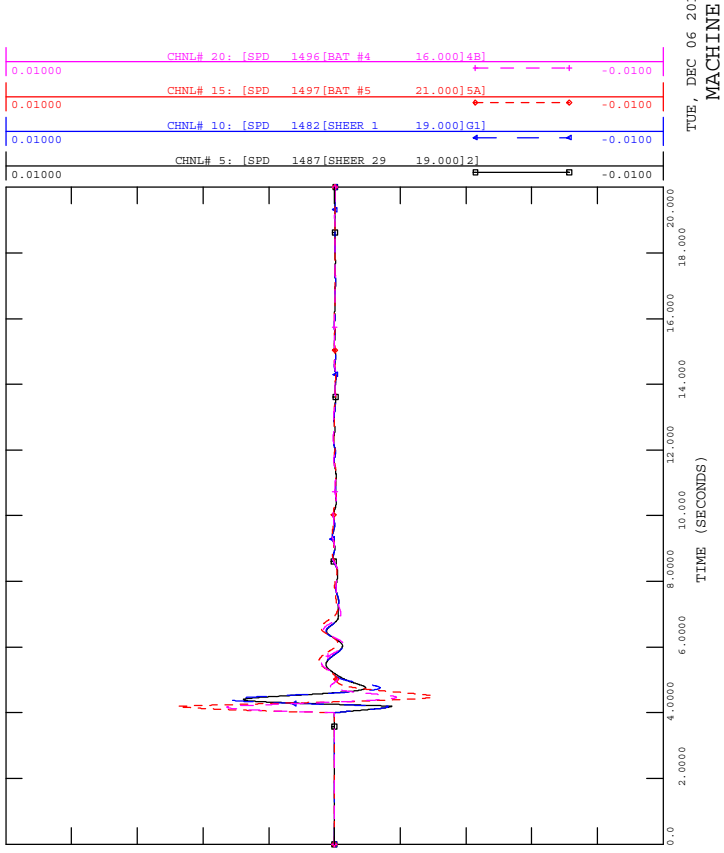


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S906_755S-Cordel.out

TUE, DEC 06 2016 21:57

MACHINE SPEED

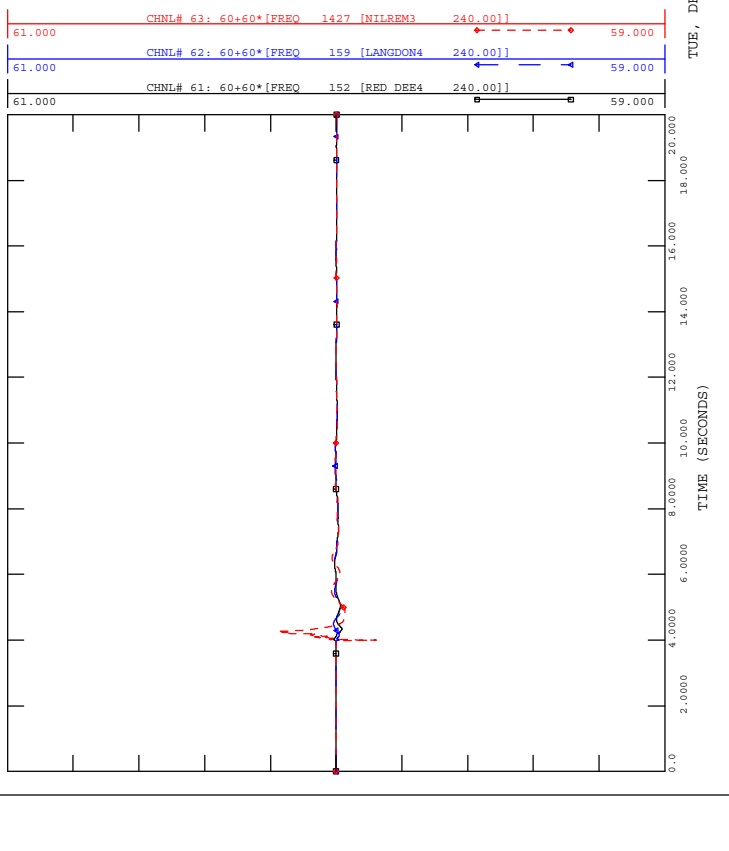


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S906_755S-Cordel.out

TUE, DEC 06 2016 21:57

FREQUENCY

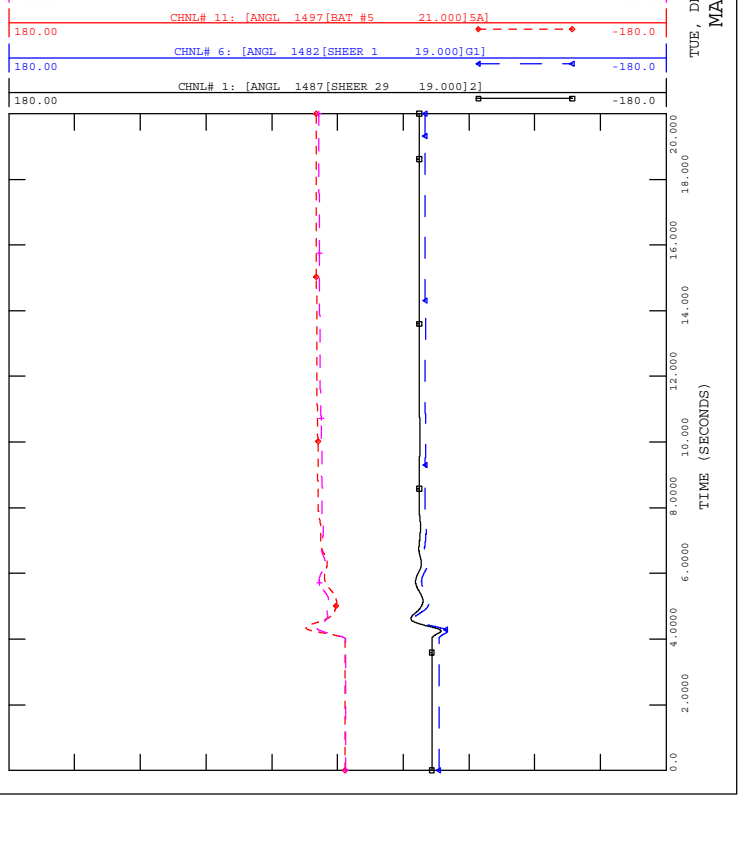


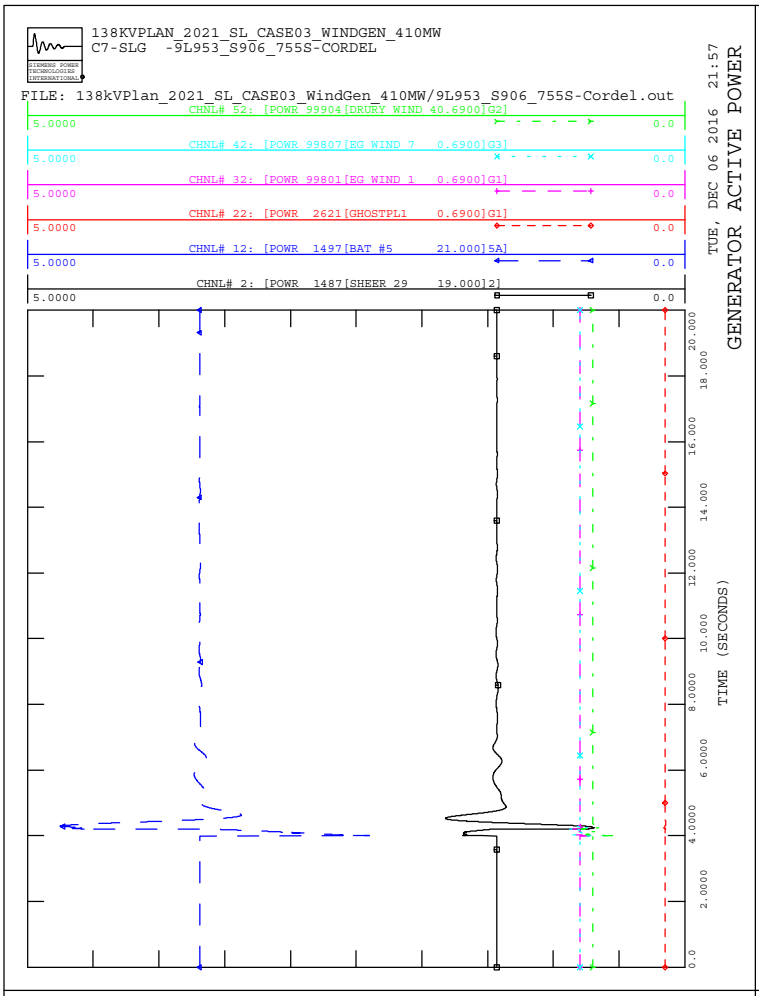
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL

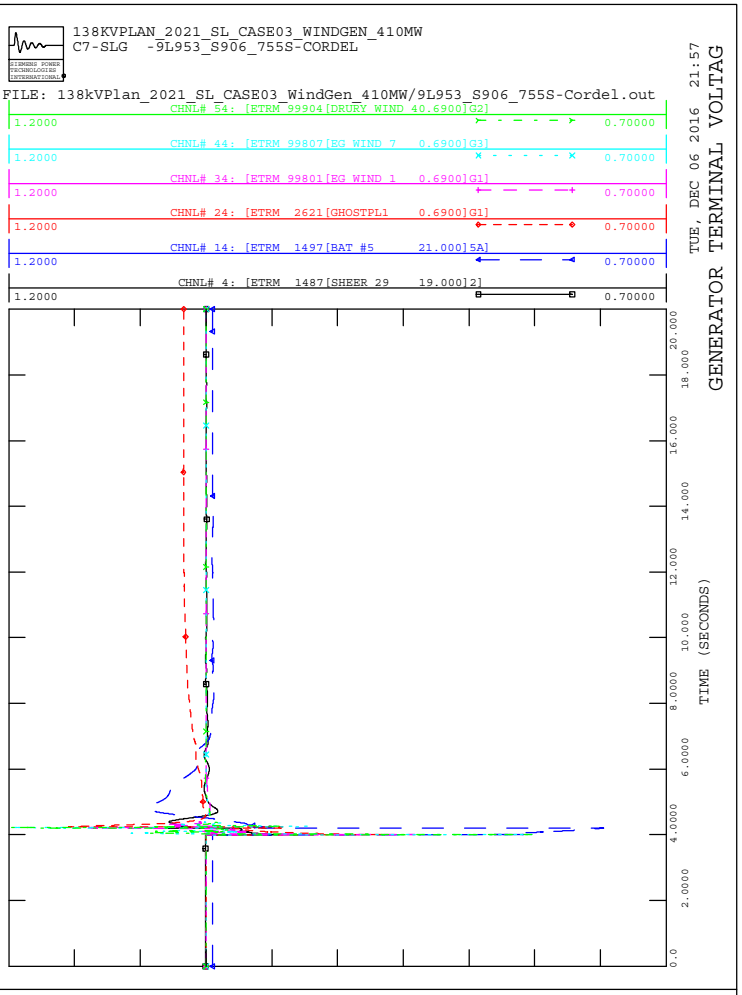
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S906_755S-Cordel.out

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S906_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S906_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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14.000
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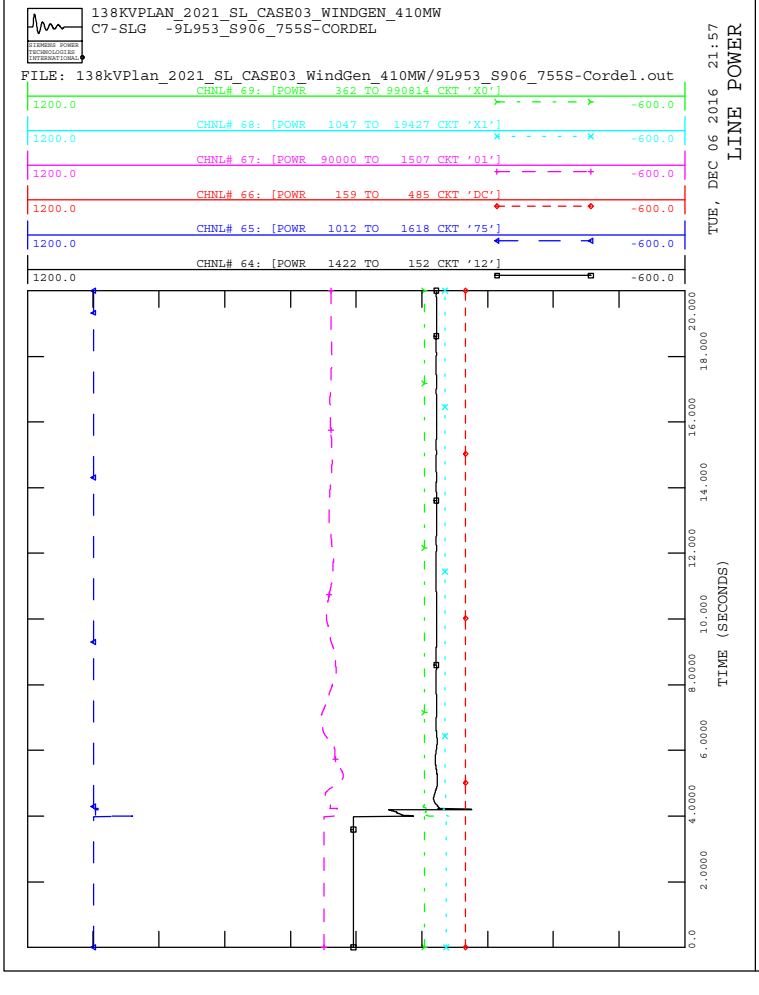
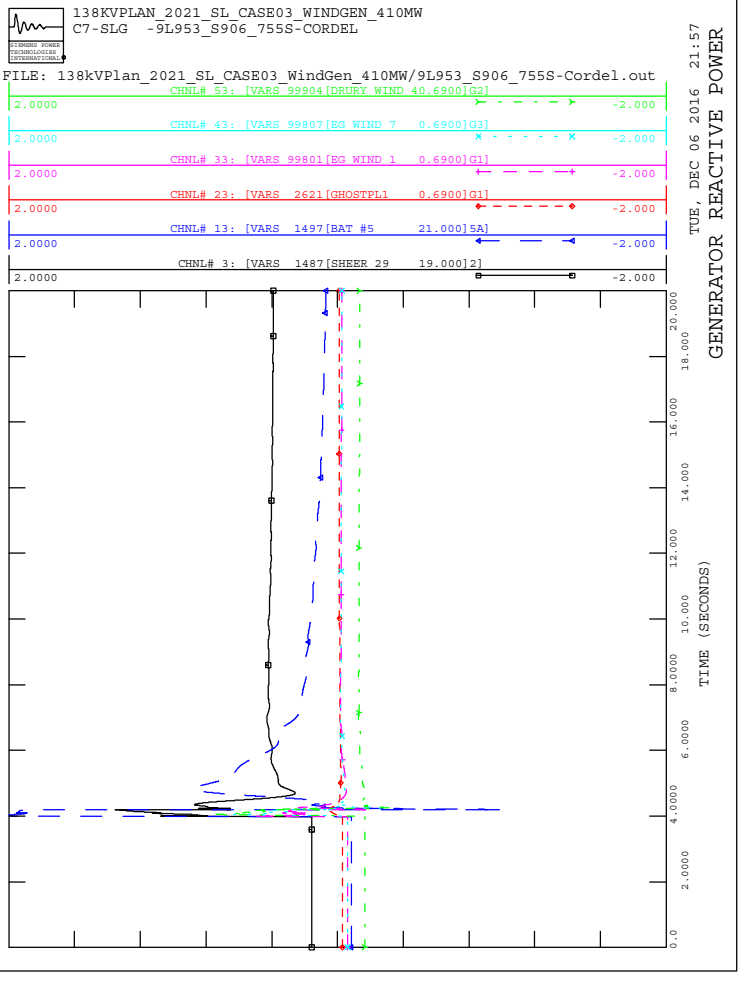
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S906_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

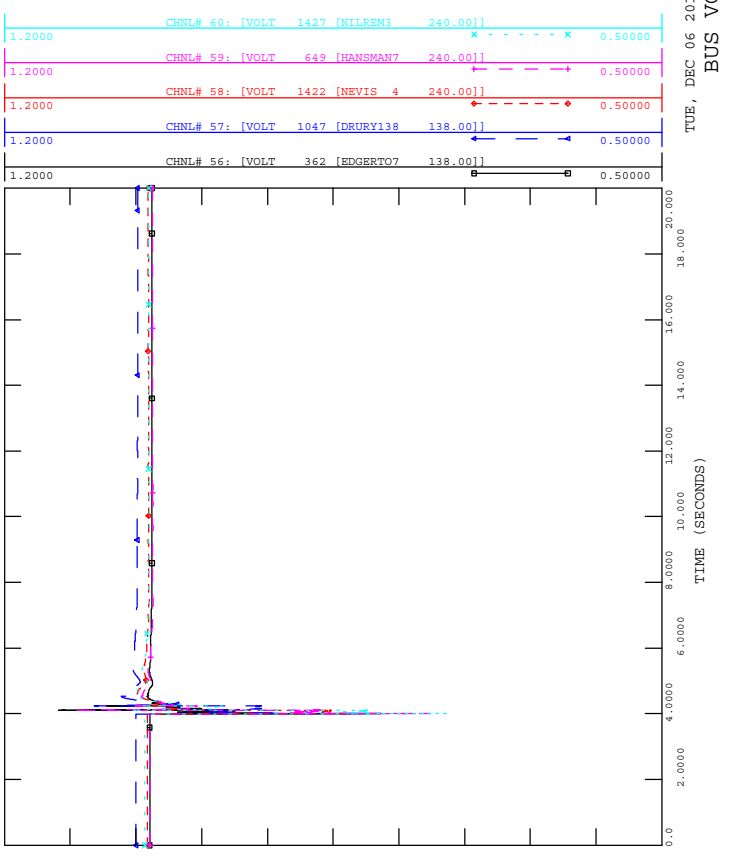

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L953_S906_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S912_757S-Battle River.

TUE, DEC 06 2016 21:57

BUS VOLTAGE

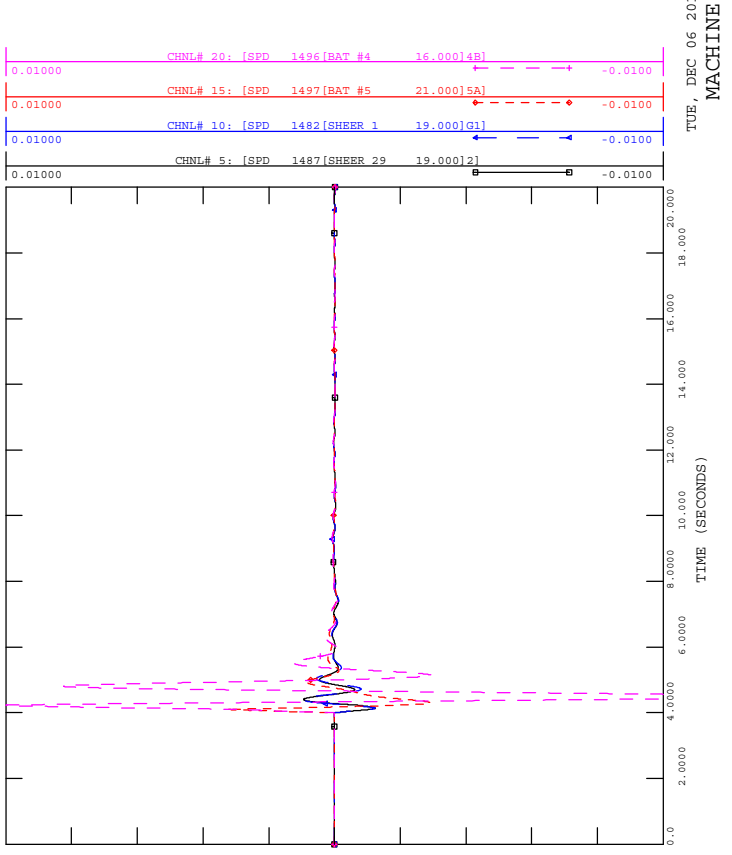


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S912_757S-Battle River.

TUE, DEC 06 2016 21:57

MACHINE SPEED

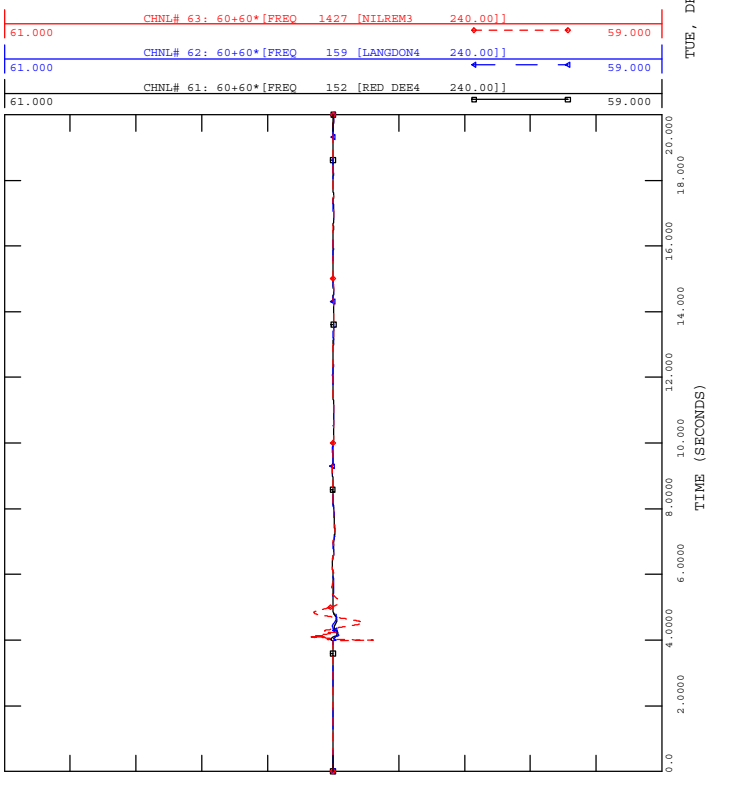


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S912_757S-Battle River.

TUE, DEC 06 2016 21:57

FREQUENCY

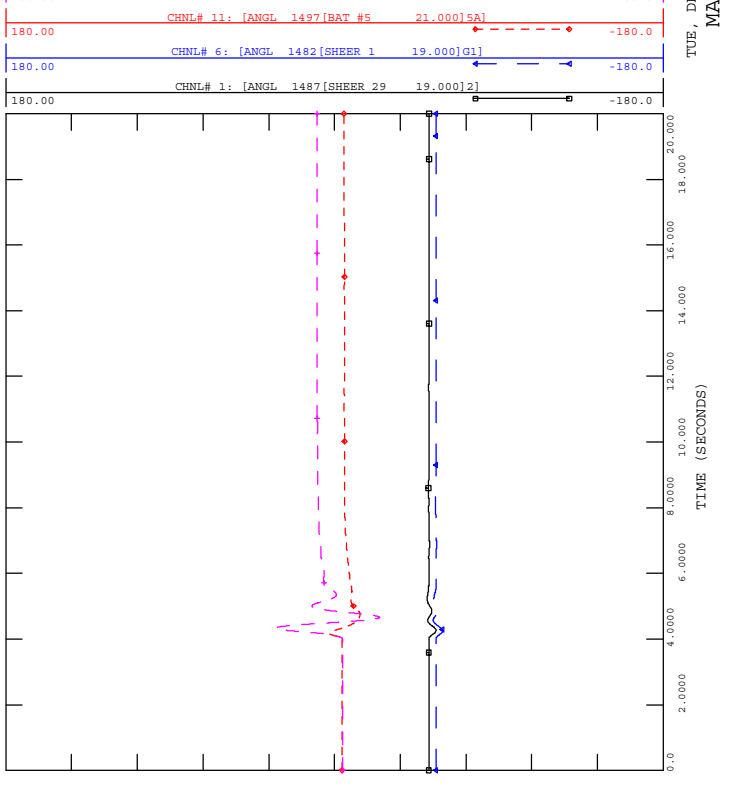


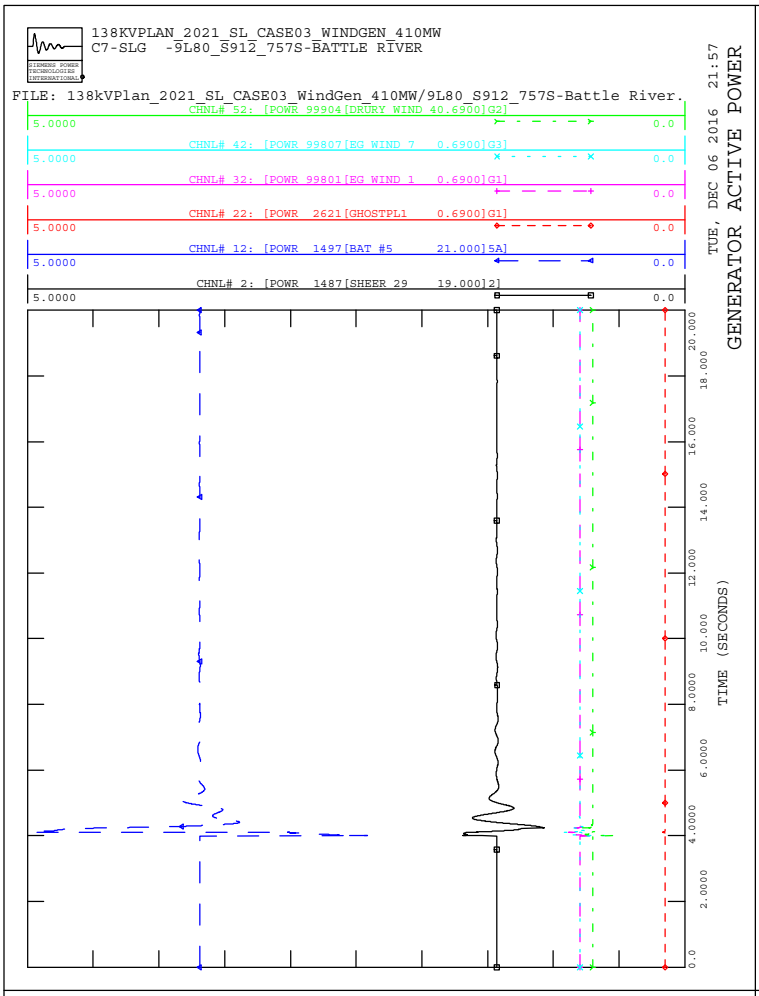
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

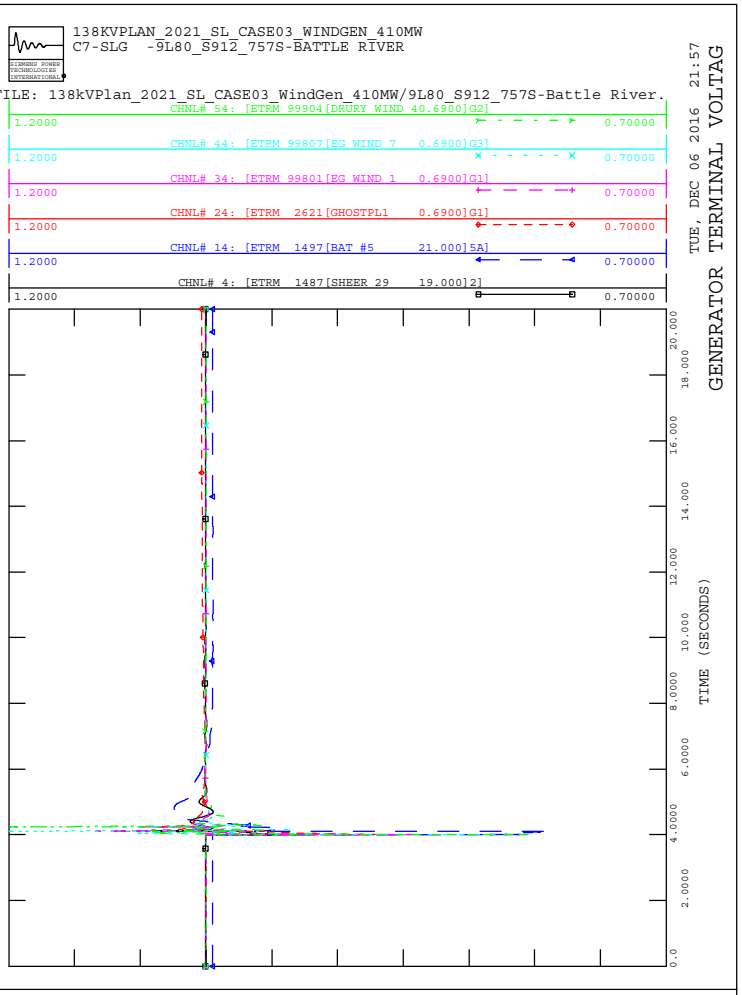
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S912_757S-Battle River.

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S912_757S-Battle River.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S912_757S-Battle River.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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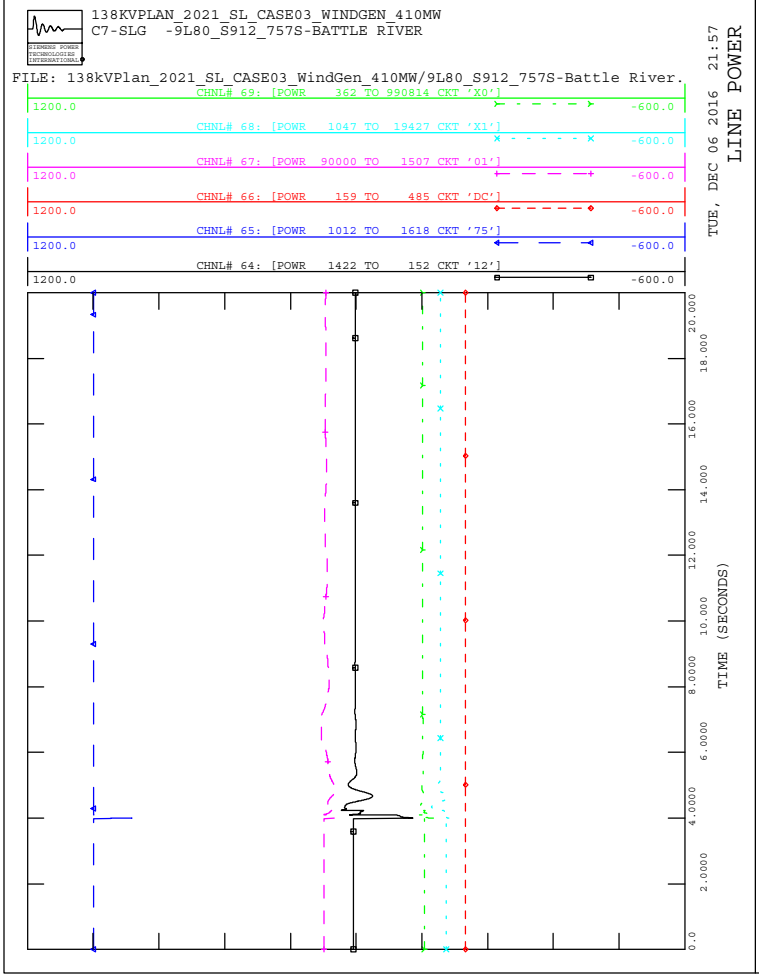
20.000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S912_757S-Battle River.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
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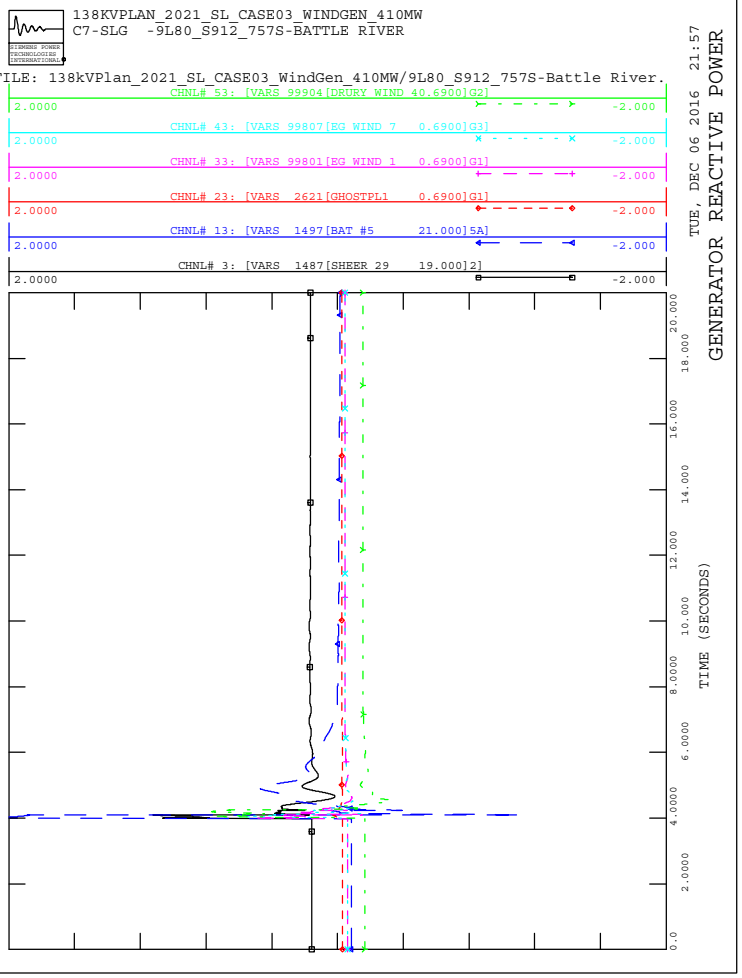
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:57
LINE POWER

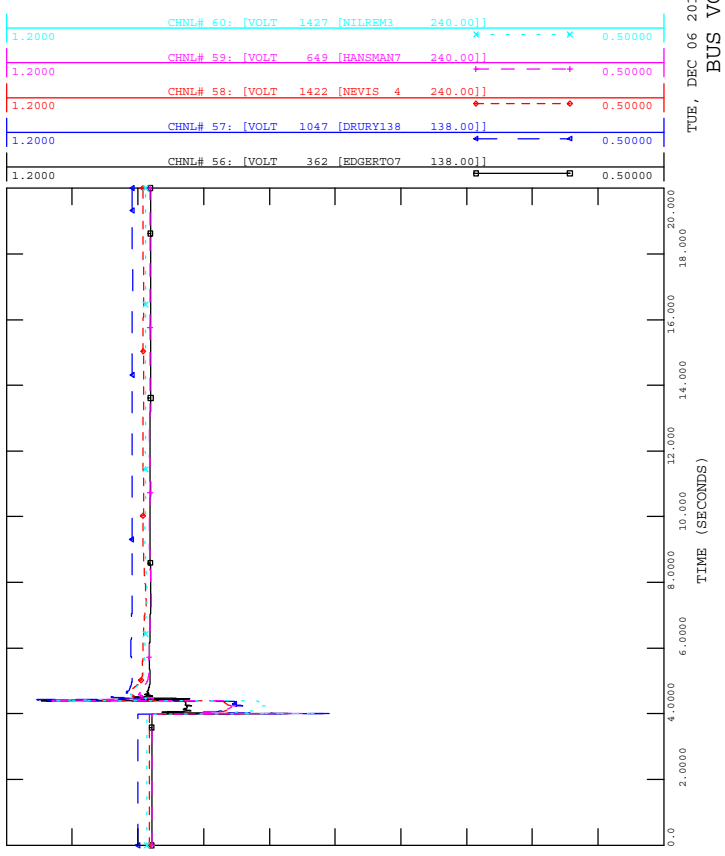

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L80_S912_757S-Battle River.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S707_757S-Battle River.

TUE, DEC 06 2016 21:57

BUS VOLTAGE

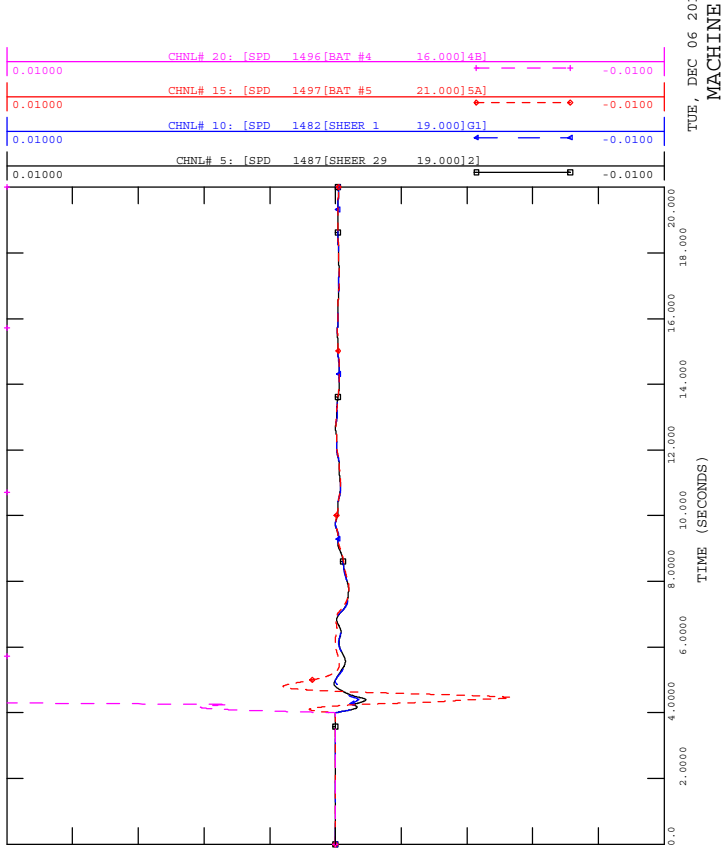


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S707_757S-Battle River.

TUE, DEC 06 2016 21:57

MACHINE SPEED

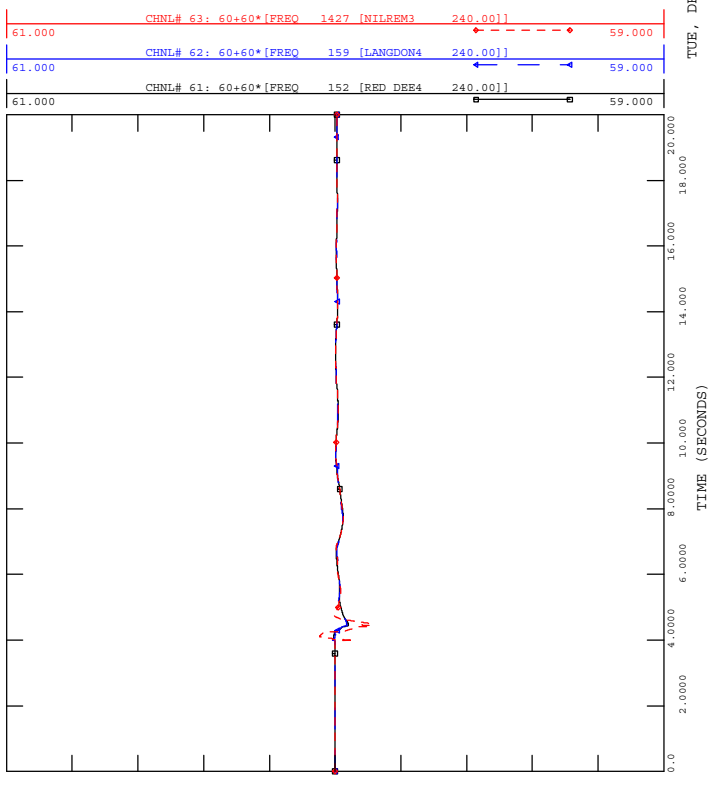


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S707_757S-Battle River.

TUE, DEC 06 2016 21:57

FREQUENCY

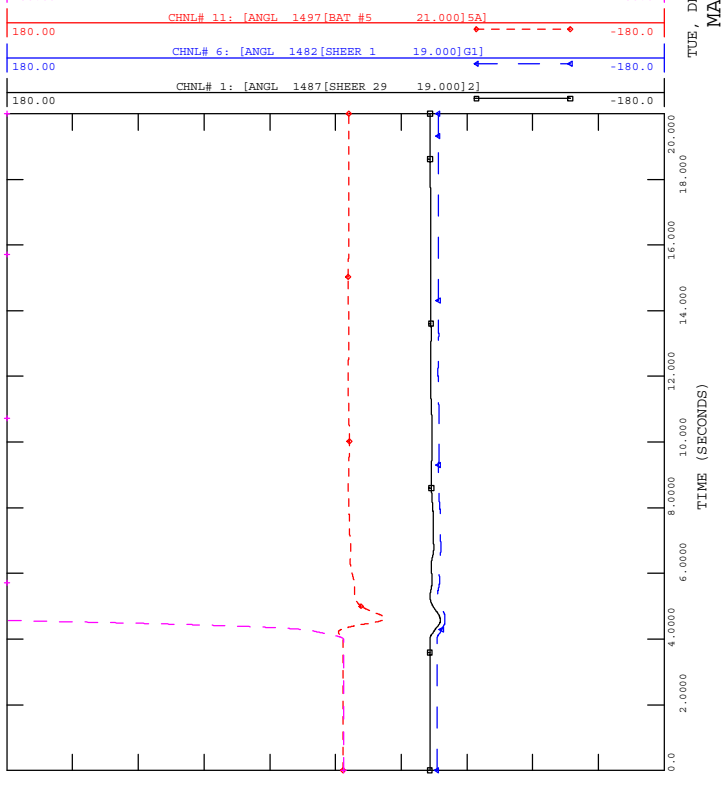


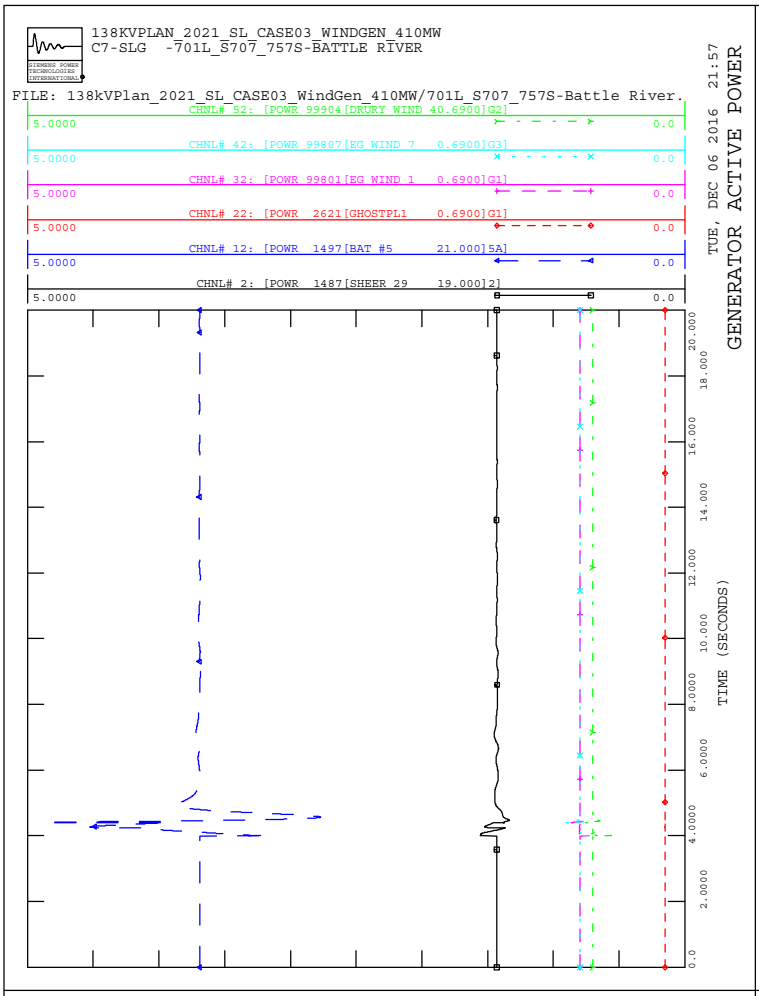
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER

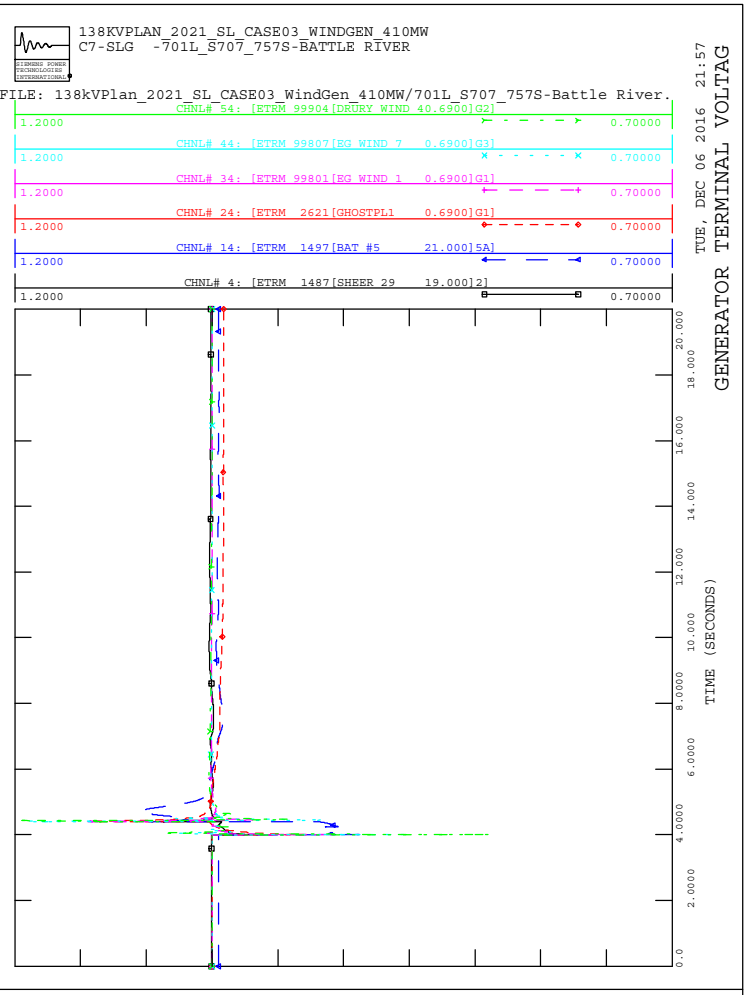
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S707_757S-Battle River.

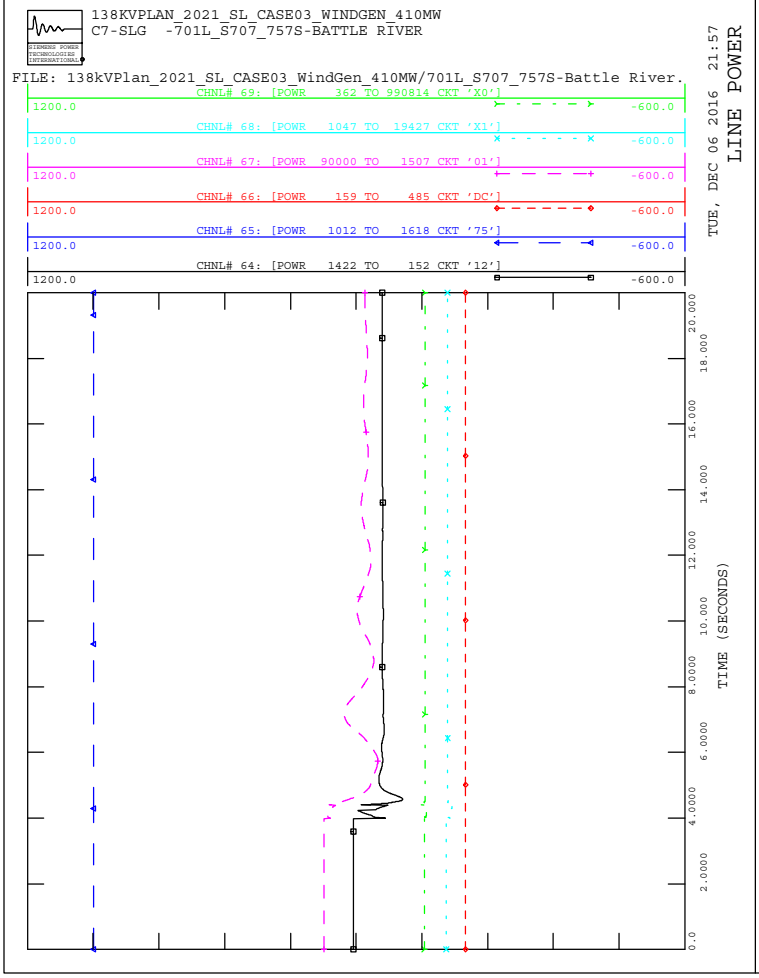
TUE, DEC 06 2016 21:57

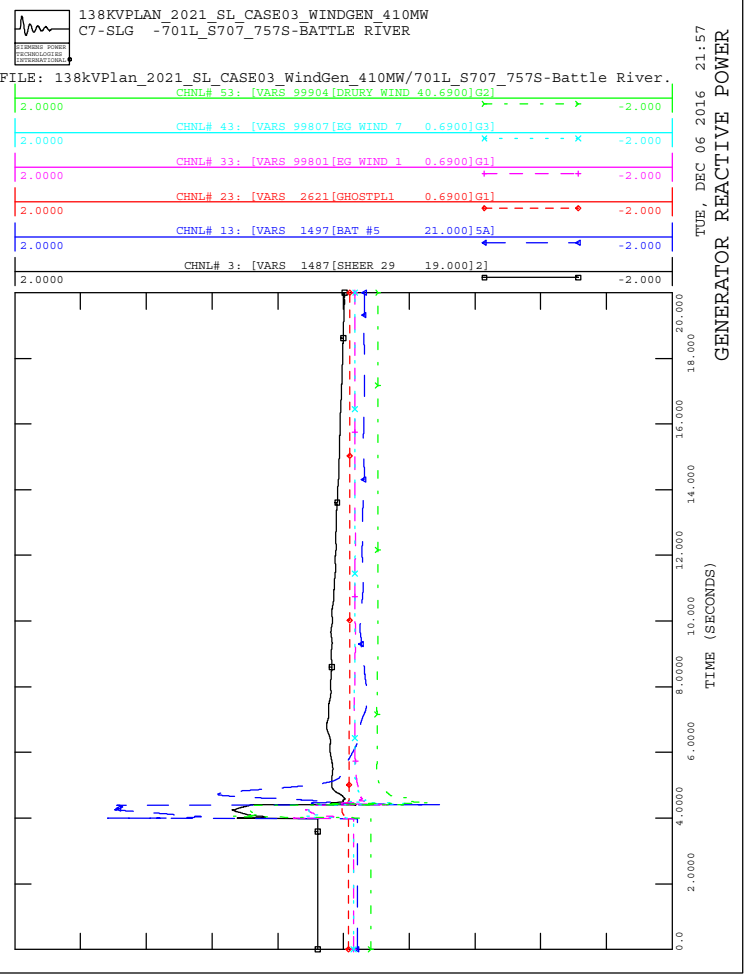
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S707_757S-Battle River.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S707_757S-Battle River.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S707_757S-Battle River.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S707_757S-Battle River.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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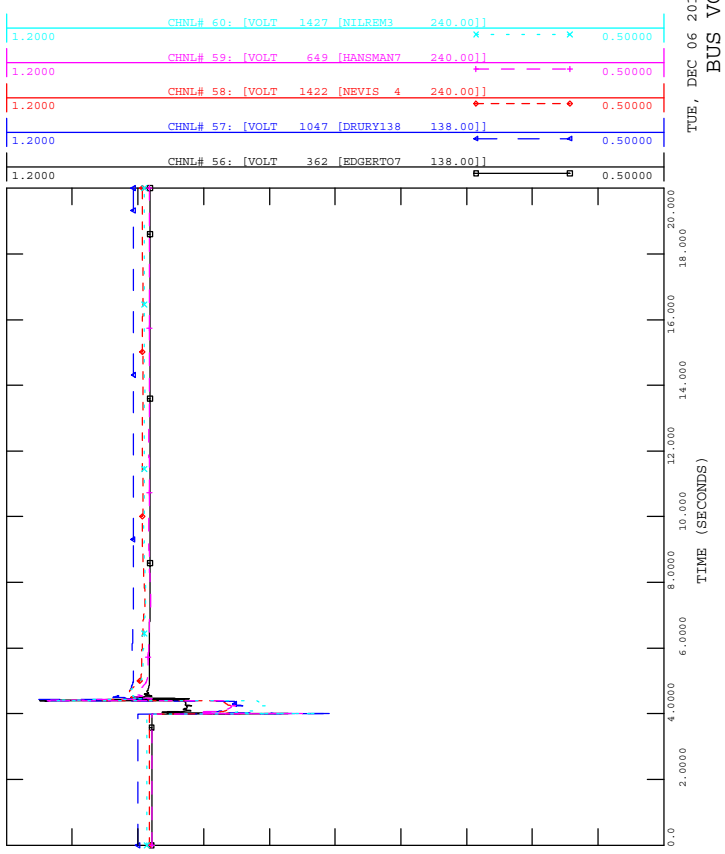
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_S708_757S-Battle River.

TUE, DEC 06 2016 21:57

BUS VOLTAGE

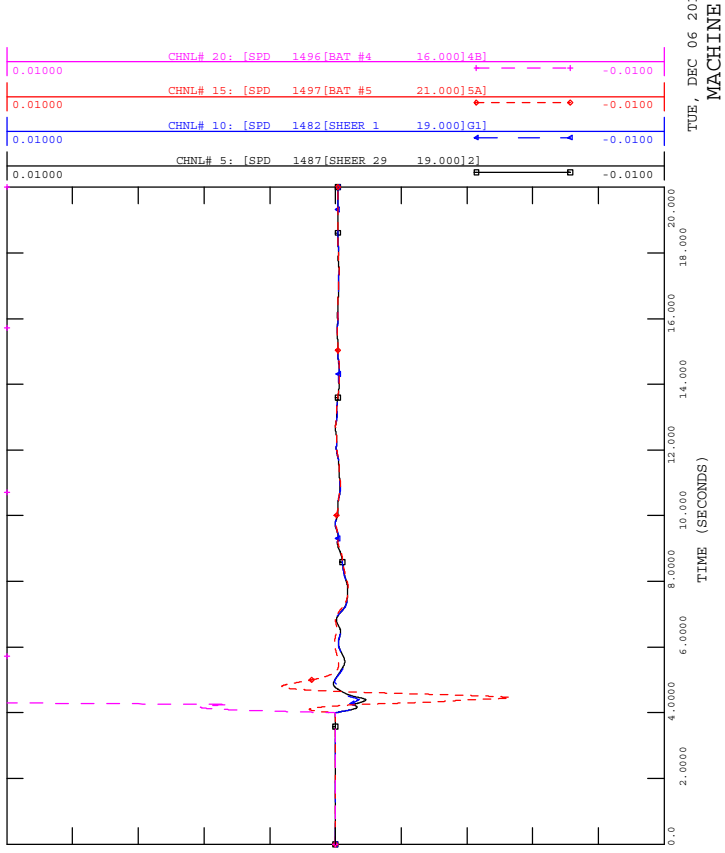


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_S708_757S-Battle River.

TUE, DEC 06 2016 21:57

MACHINE SPEED

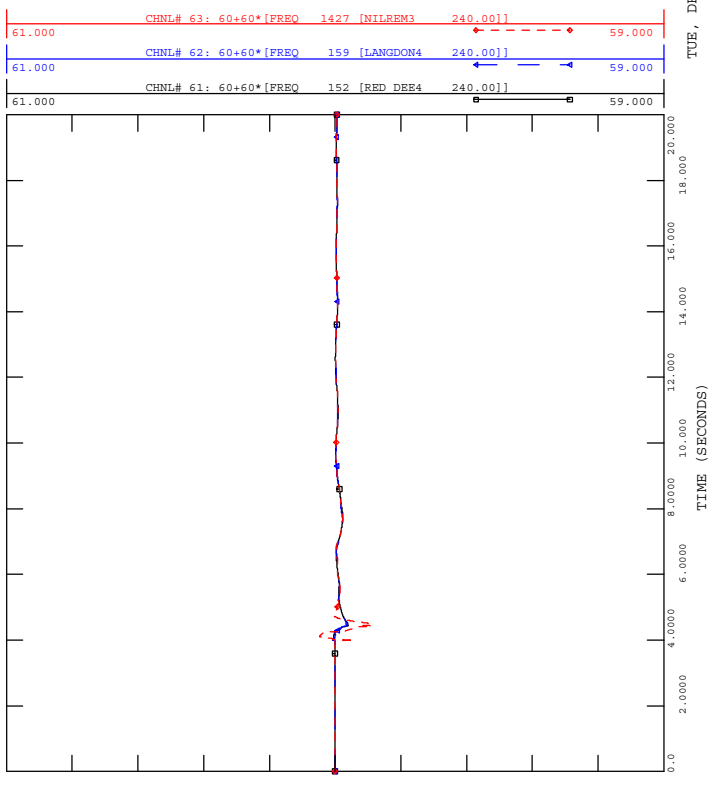


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_S708_757S-Battle River.

TUE, DEC 06 2016 21:57

FREQUENCY

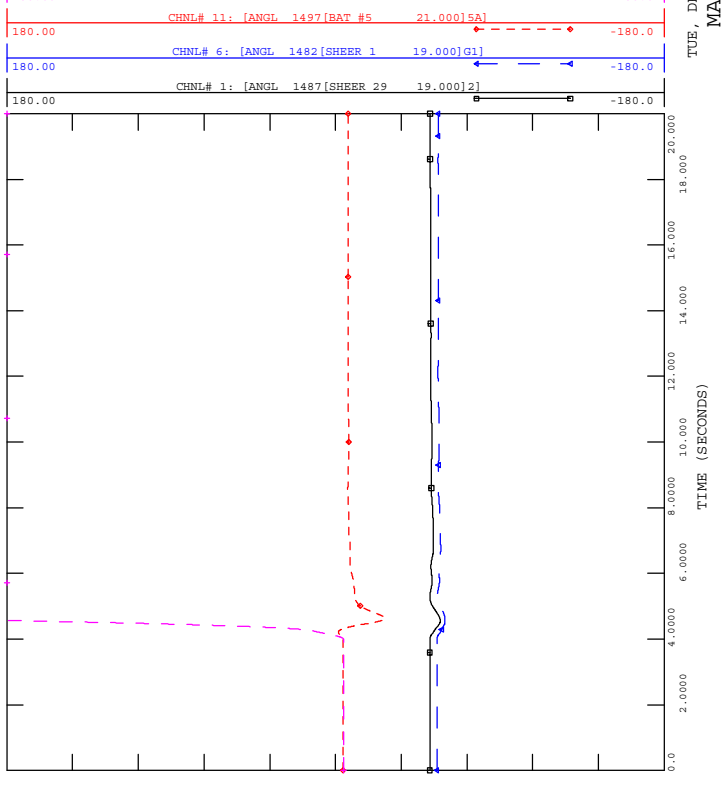


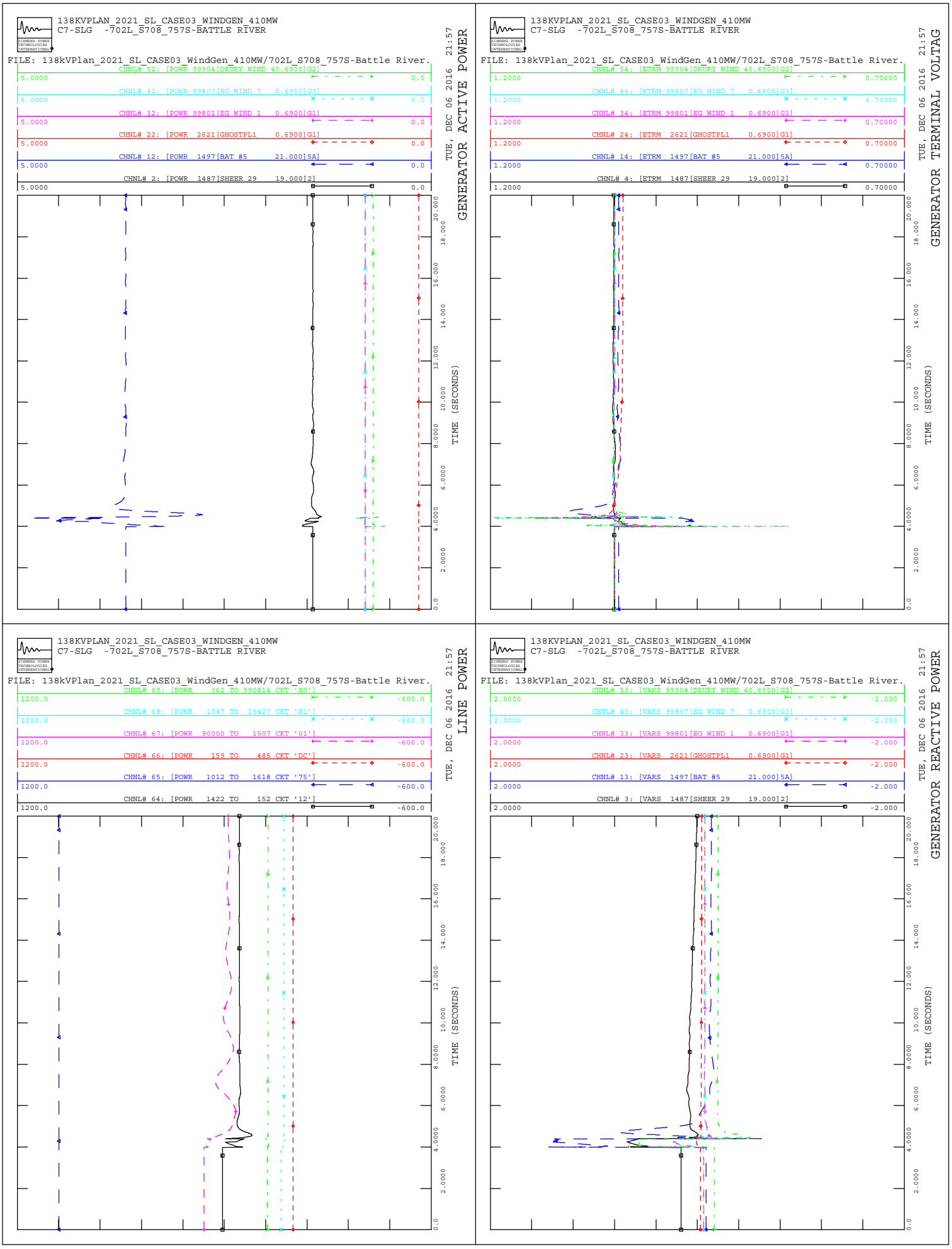
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_S708_757S-Battle River.

TUE, DEC 06 2016 21:57

MACHINE ANGLE



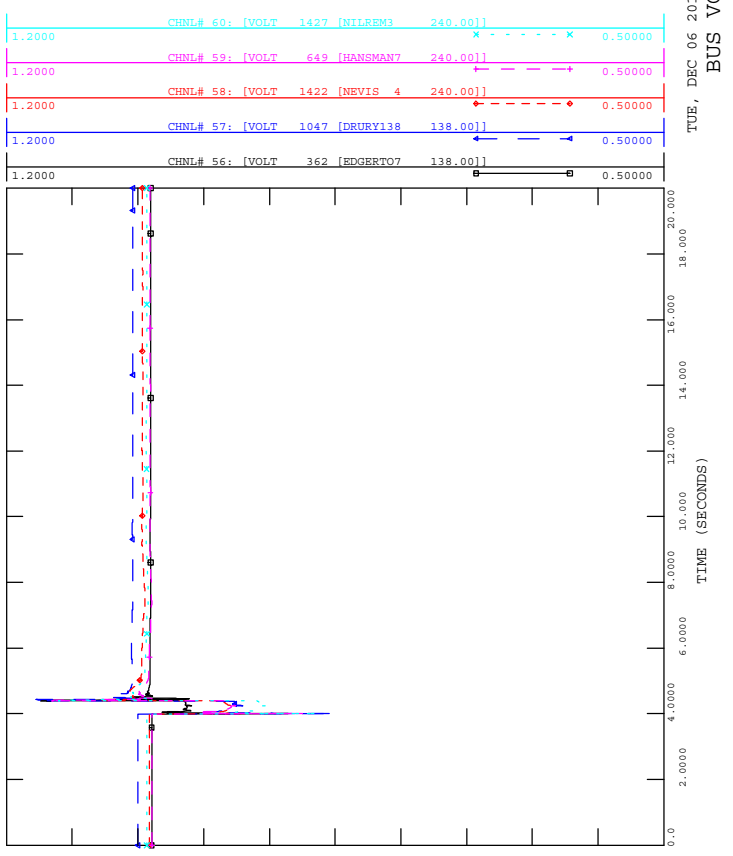

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_S708_757S-Battle River.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_S708_757S-Battle River.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_S708_757S-Battle River.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/702L_S708_757S-Battle River.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_S709_757S-Battle River.

TUE, DEC 06 2016 21:57

BUS VOLTAGE

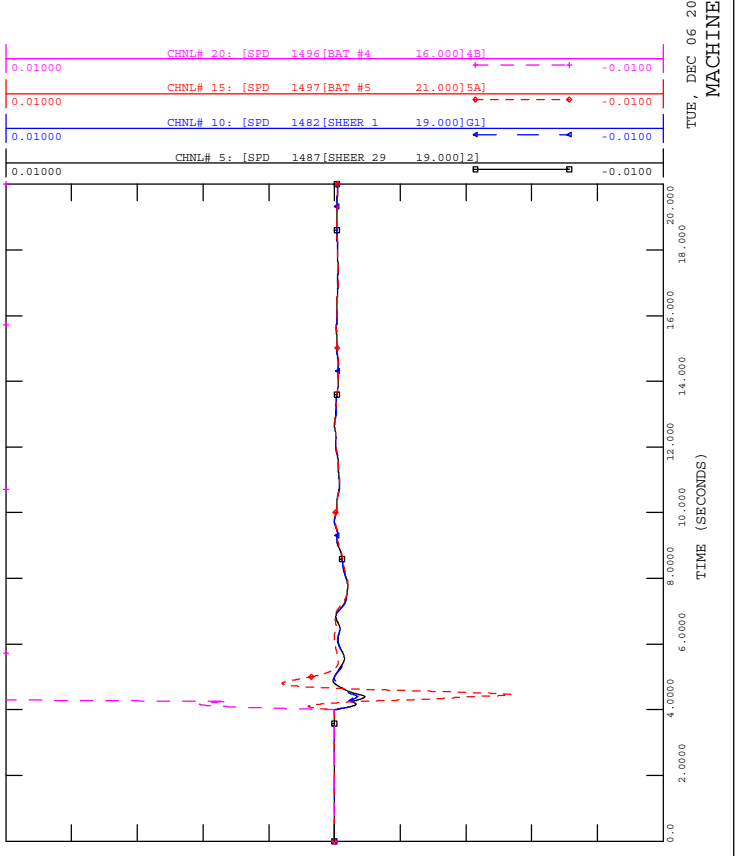


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_S709_757S-Battle River.

TUE, DEC 06 2016 21:57

MACHINE SPEED

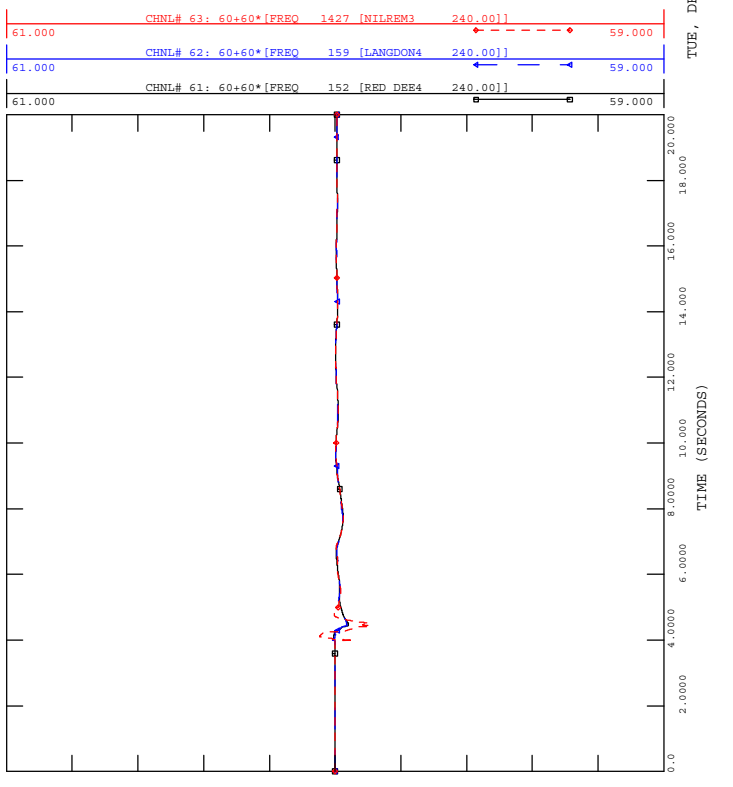


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_S709_757S-Battle River.

TUE, DEC 06 2016 21:57

FREQUENCY

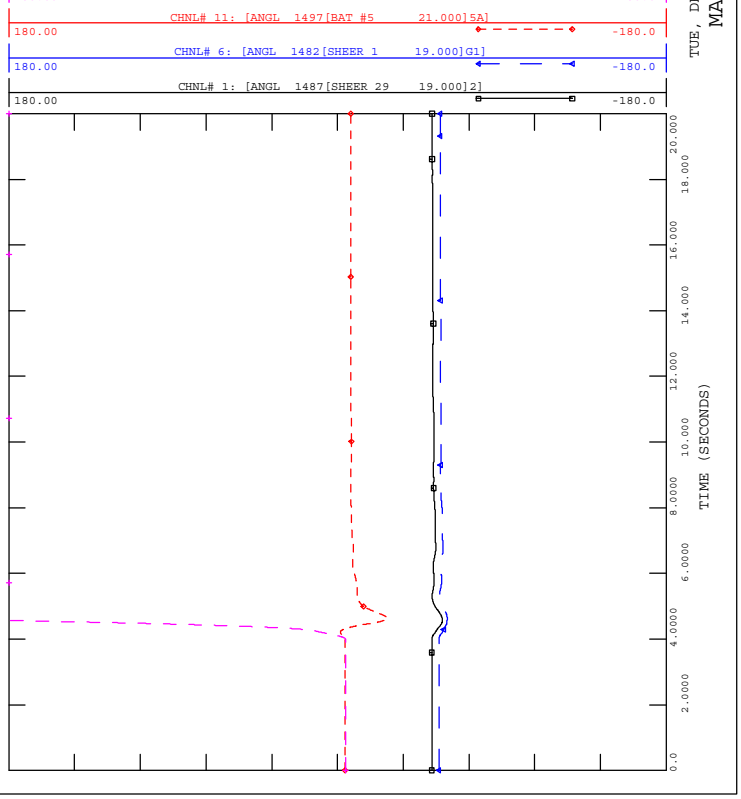


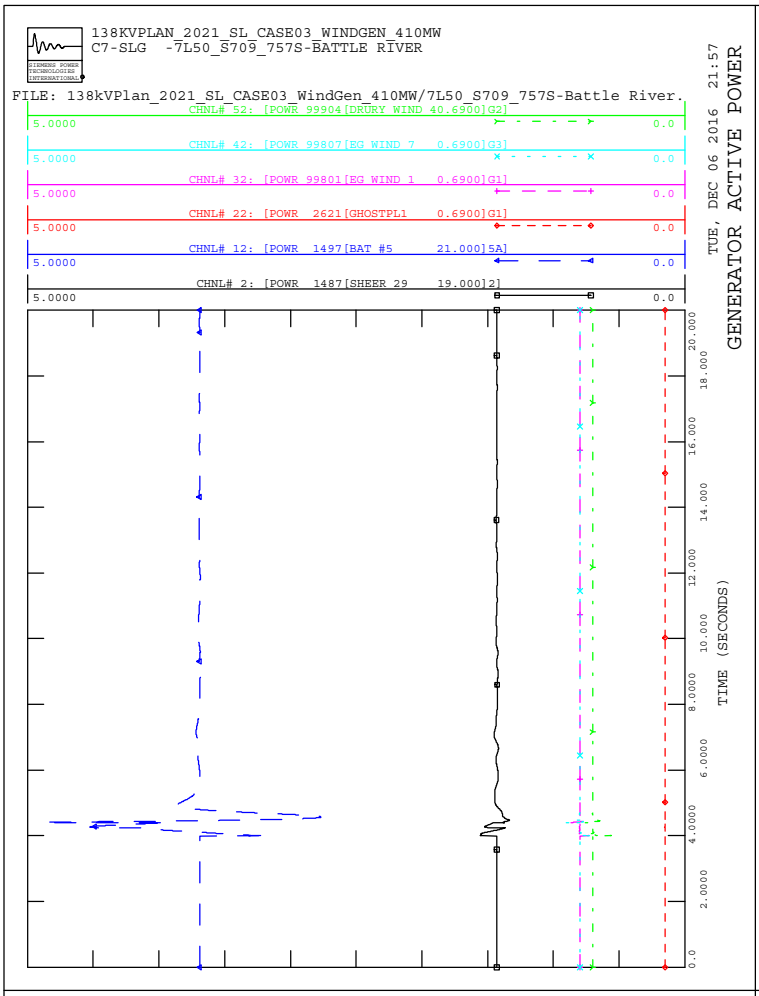
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_S709_757S-Battle River.

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_S709_757S-Battle River.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
10.000
12.000
14.000
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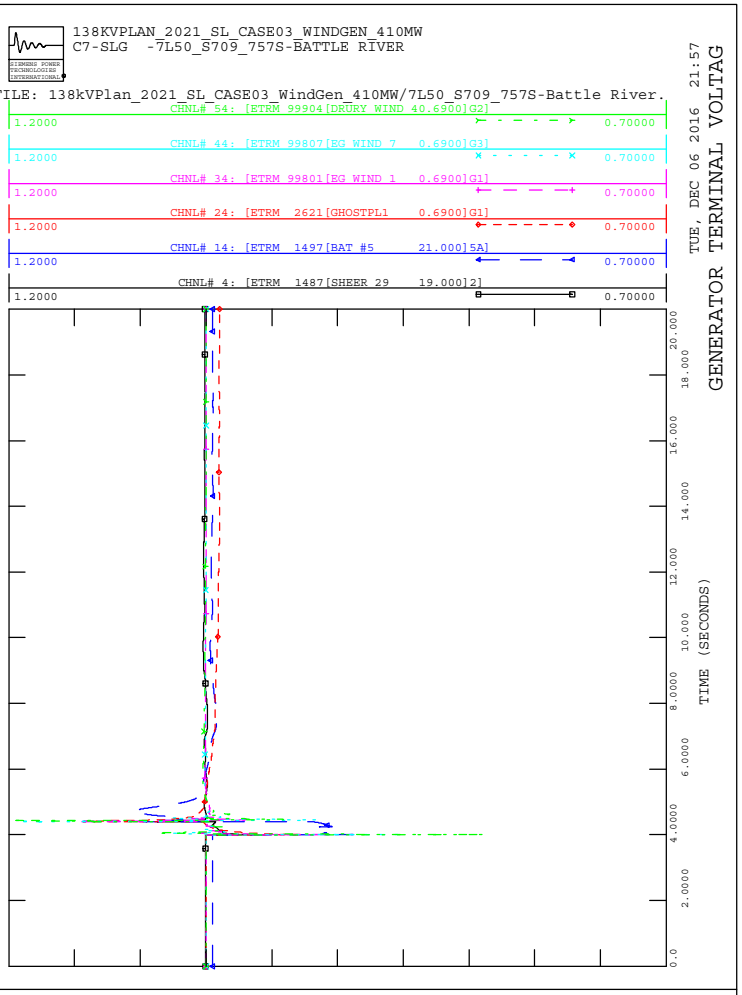
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_S709_757S-Battle River.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
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8.0000
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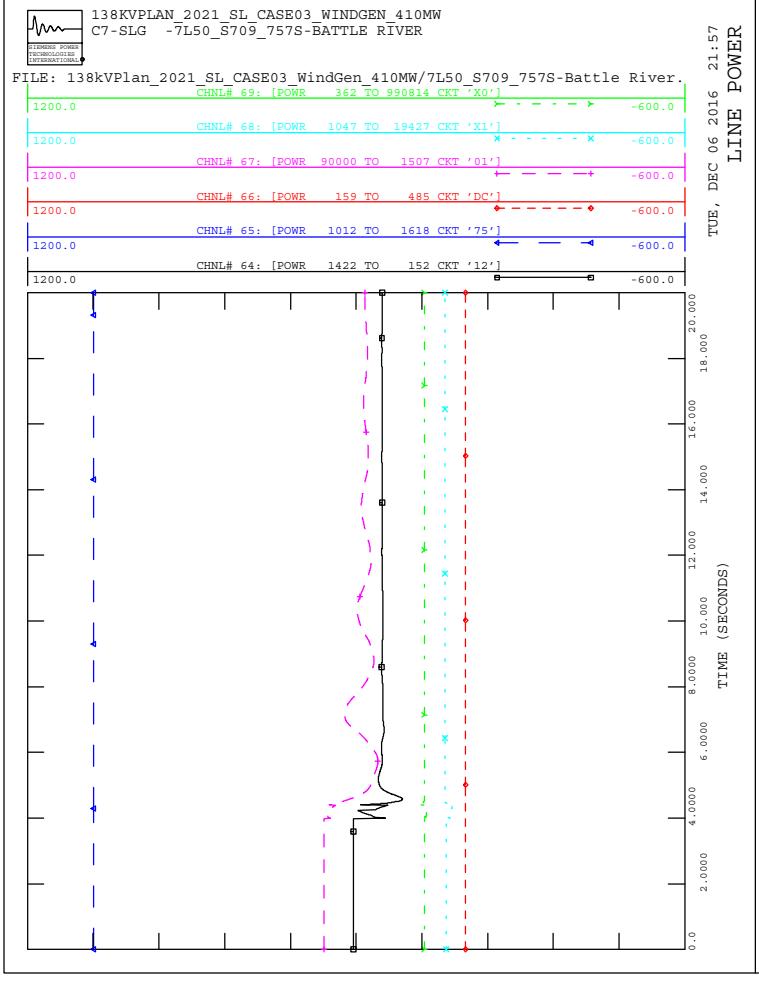
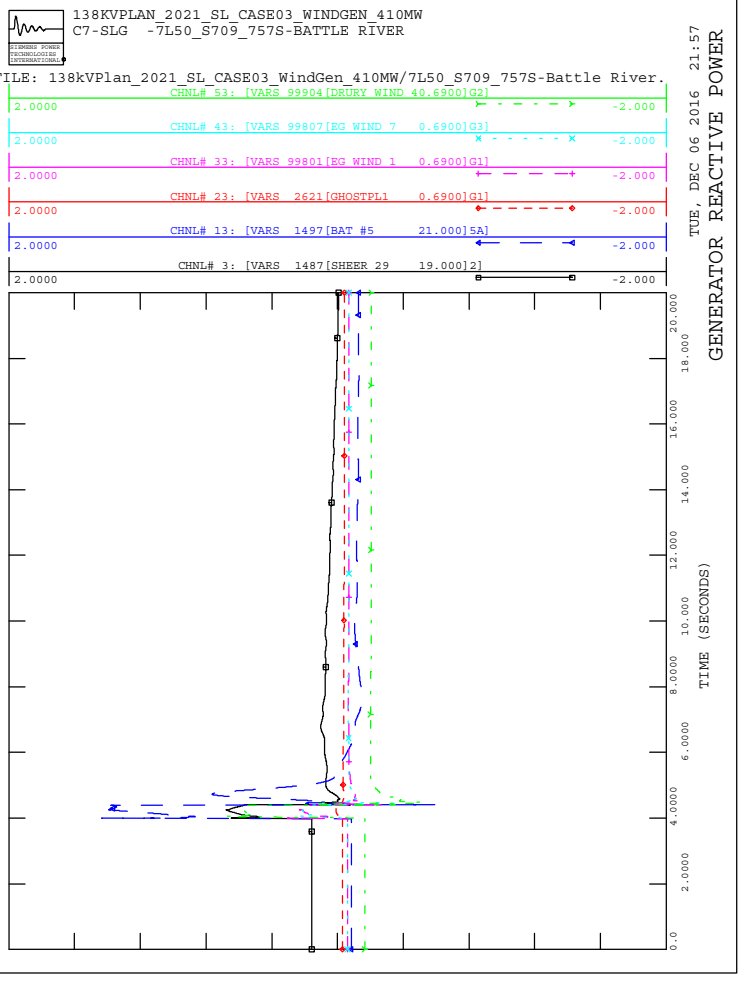
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_S709_757S-Battle River.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L50_S709_757S-Battle River.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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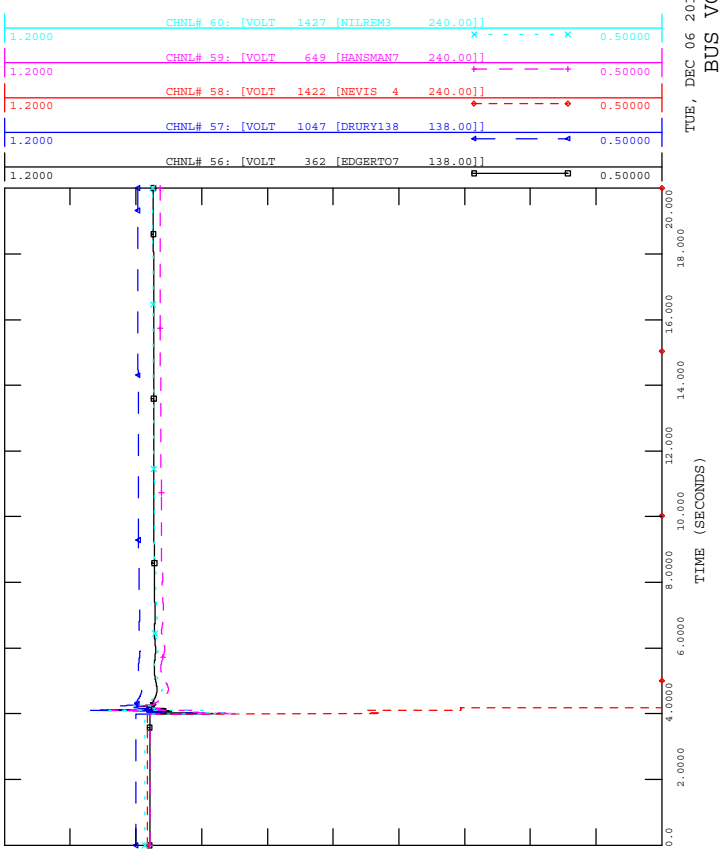
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_766S-Nevis.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE

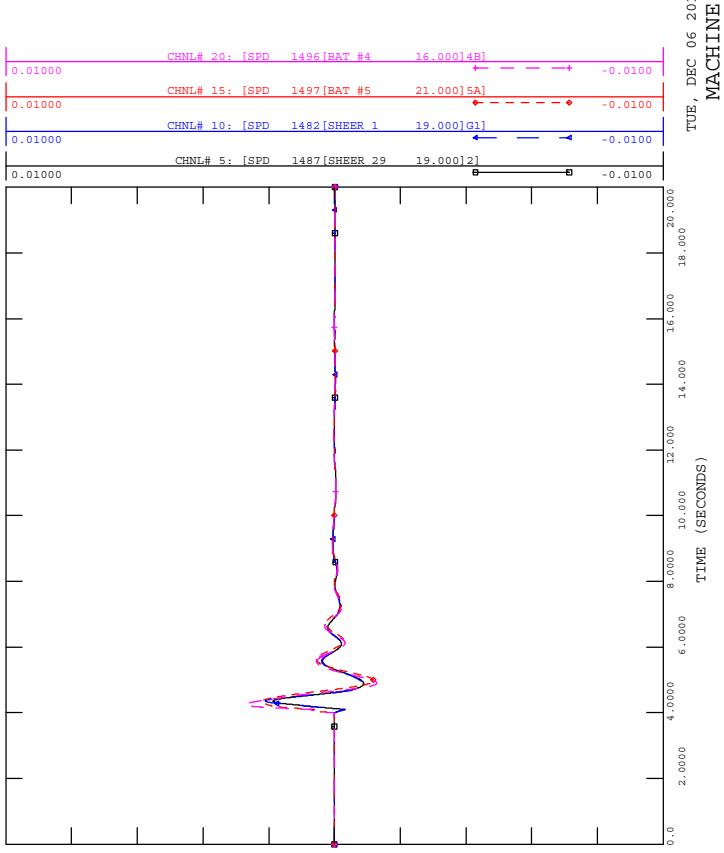


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_766S-Nevis.out

TUE, DEC 06 2016 21:57

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_766S-Nevis.out

TUE, DEC 06 2016 21:57

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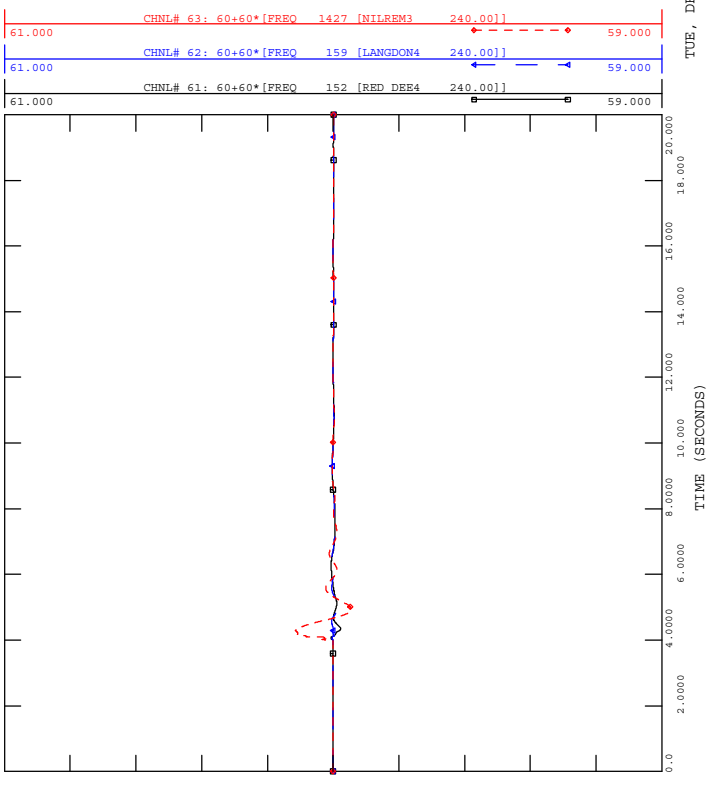
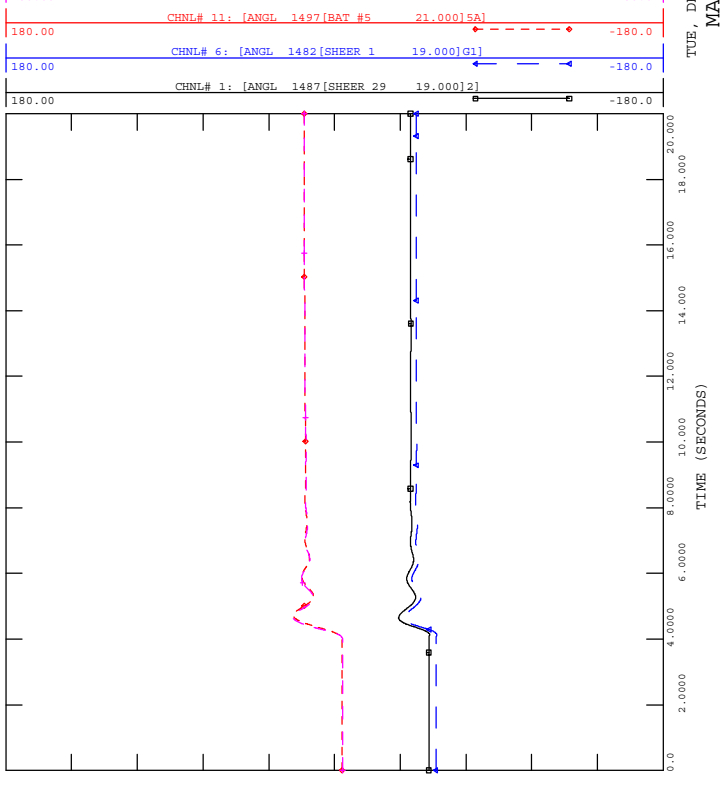


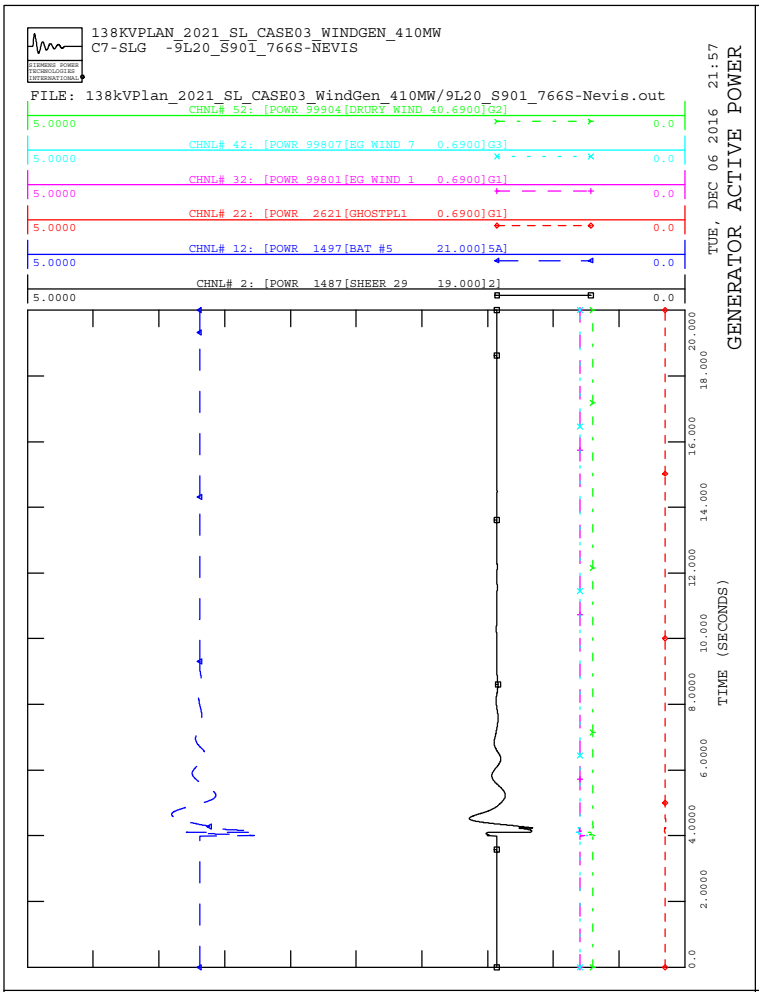
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_766S-Nevis.out

TUE, DEC 06 2016 21:57

MACHINE ANGLE

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C7-SLG -9L20_S901_766S-NEVIS
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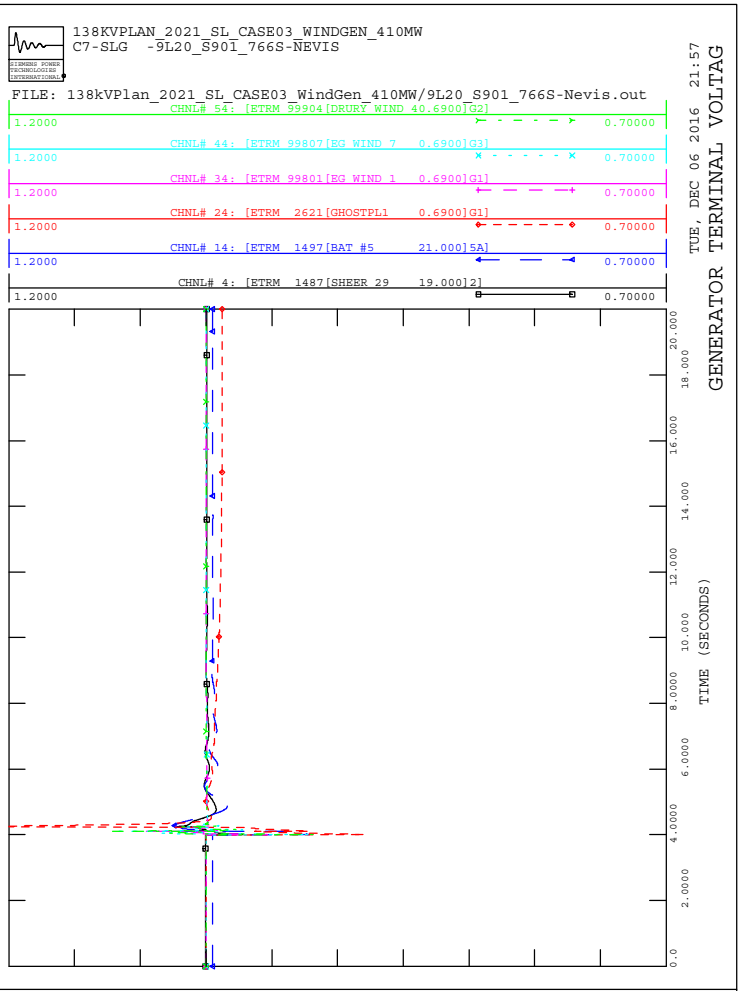
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_766S-NEVIS
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_766S-Nevis.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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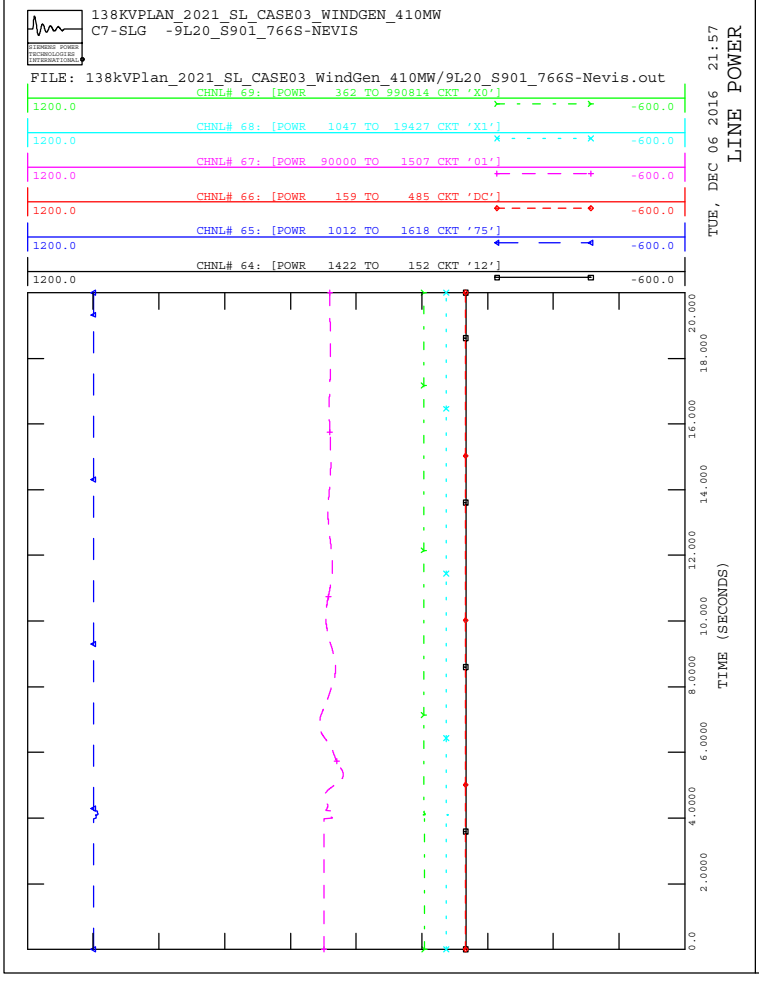
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_766S-NEVIS
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_766S-Nevis.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
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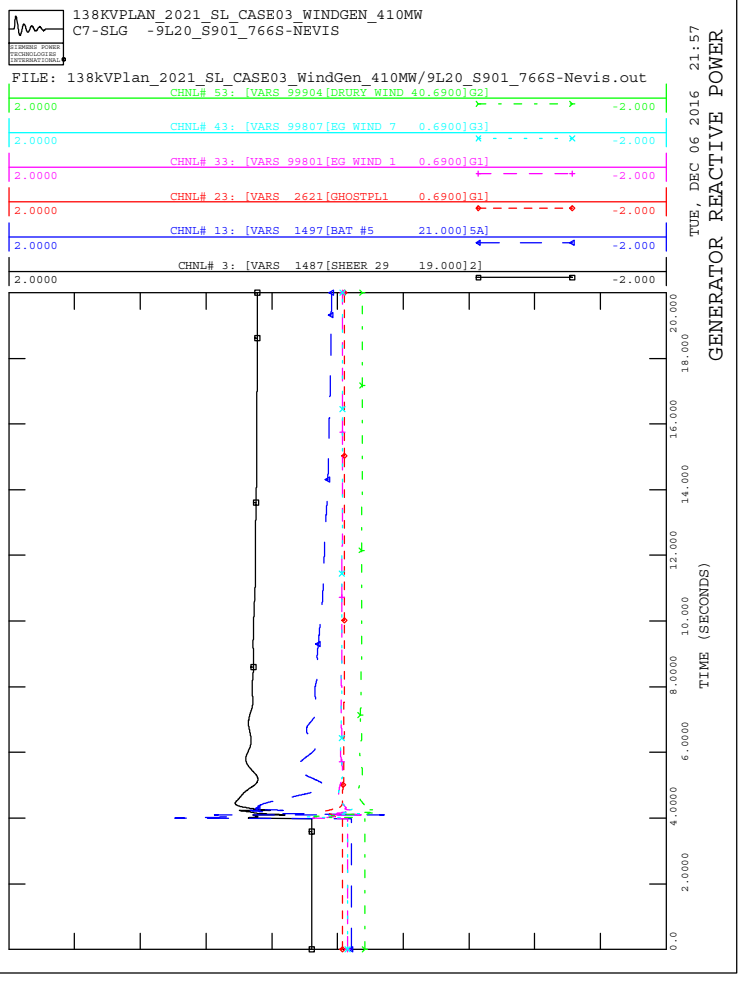
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

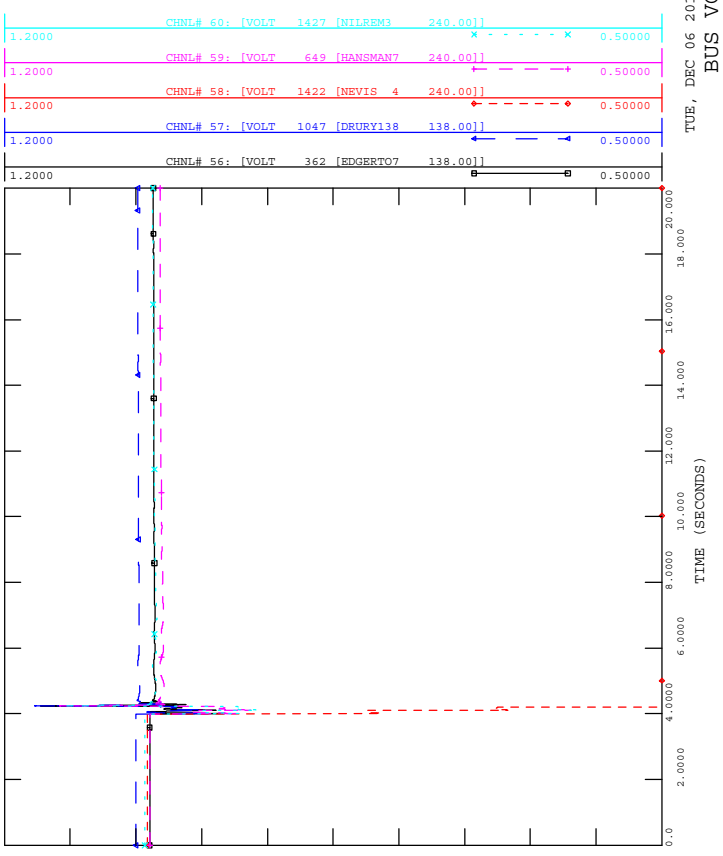

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L20_S901_766S-NEVIS
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L20_S901_766S-Nevis.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L912_S902_766S-Nevis.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE

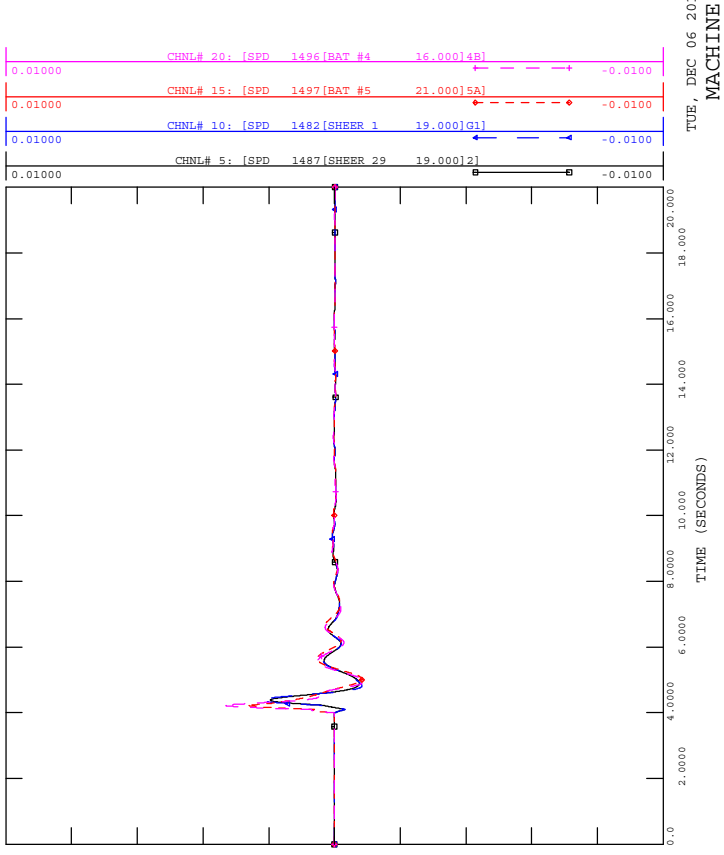


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L912_S902_766S-Nevis.out

TUE, DEC 06 2016 21:57

MACHINE SPEED

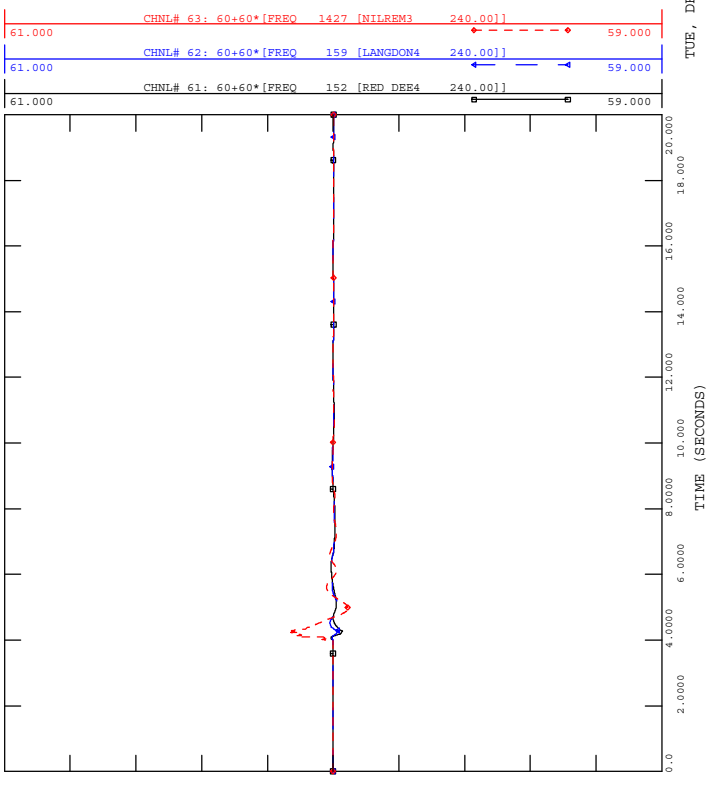


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L912_S902_766S-Nevis.out

TUE, DEC 06 2016 21:57

FREQUENCY

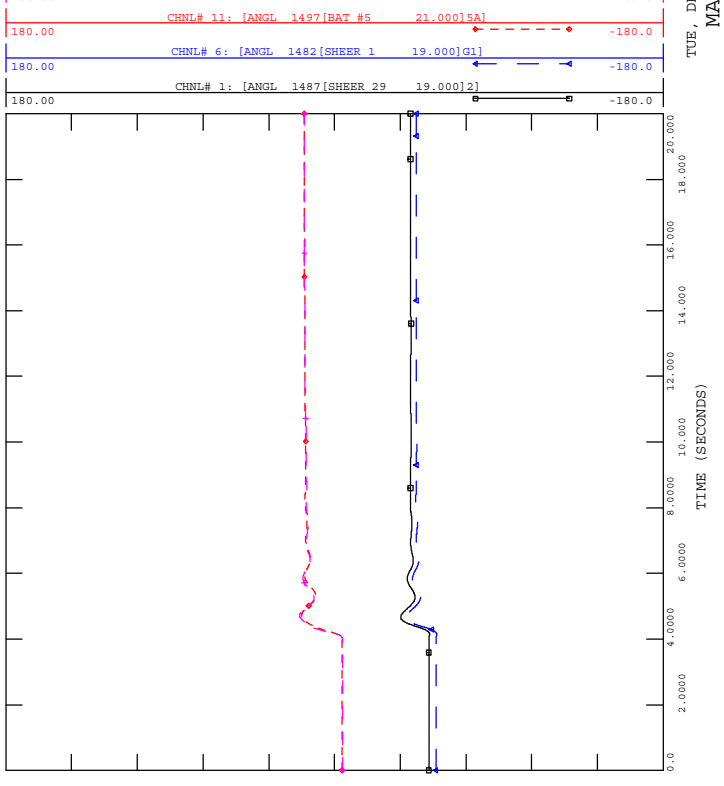


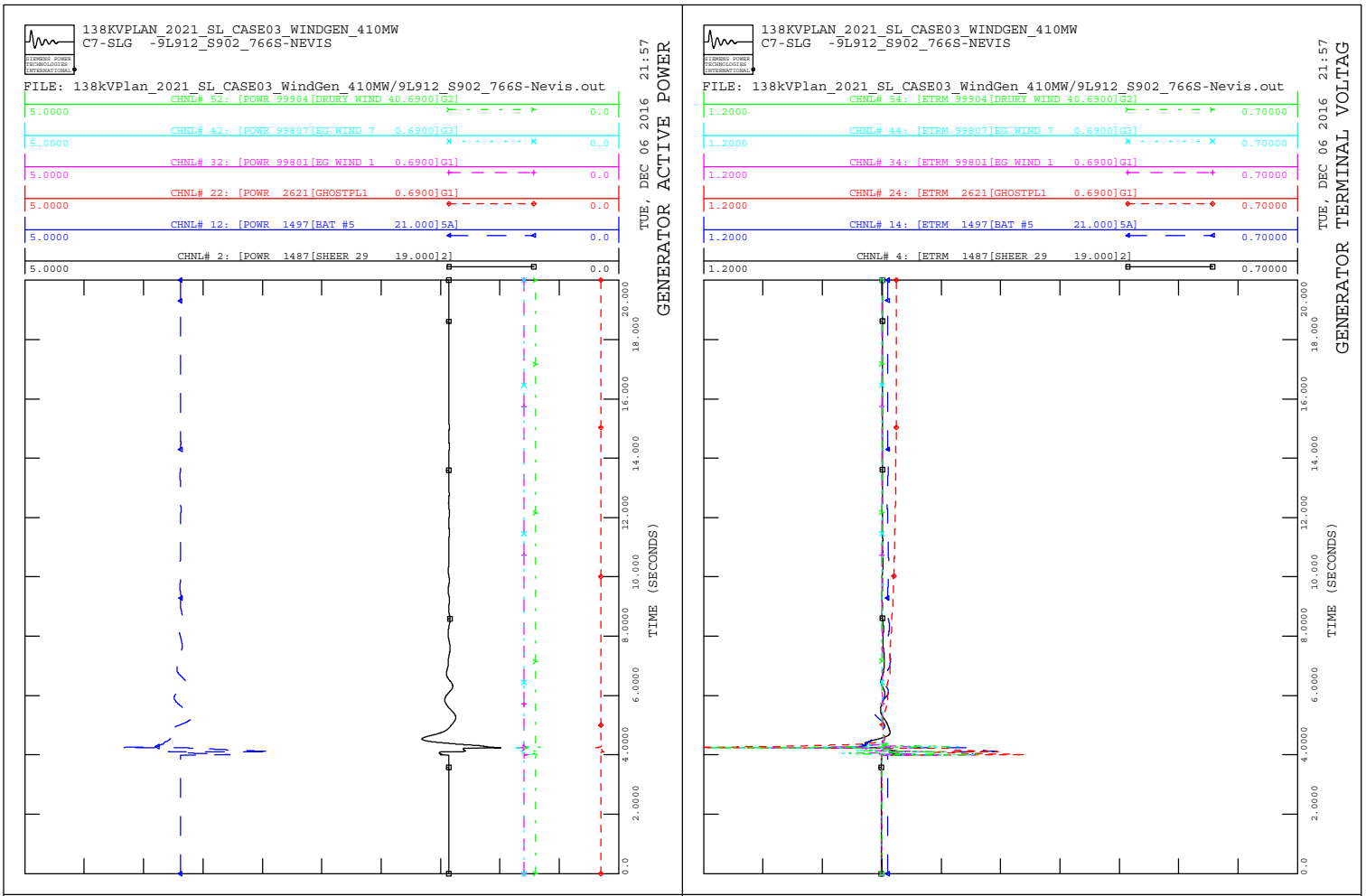
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L912_S902_766S-Nevis.out

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L912_S902_766S-Nevis.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L912_S902_766S-Nevis.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
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16.000
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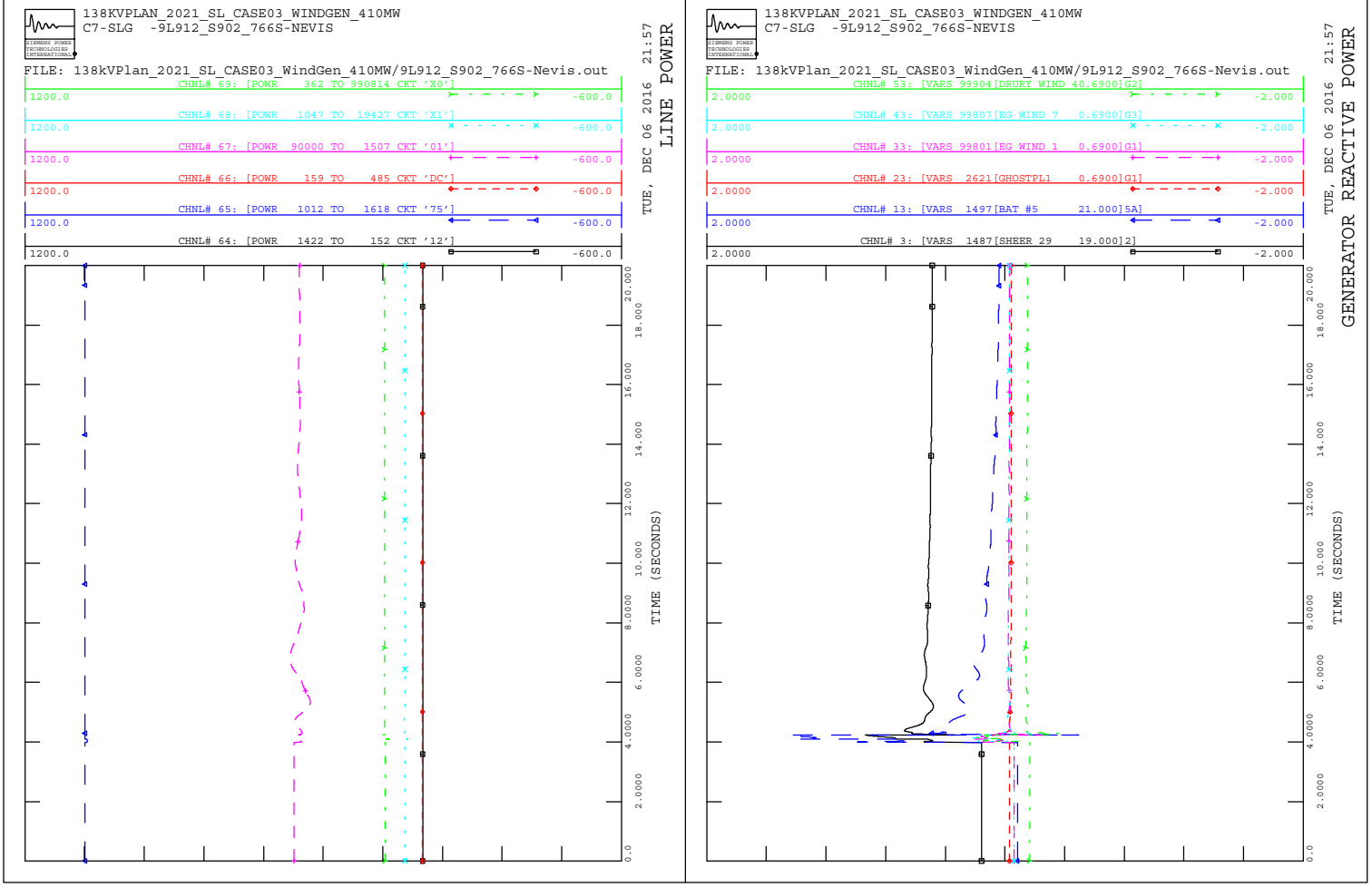
20.000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C7-SLG -9L912_S902_766S-NEVIS
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L912_S902_766S-Nevis.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
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6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

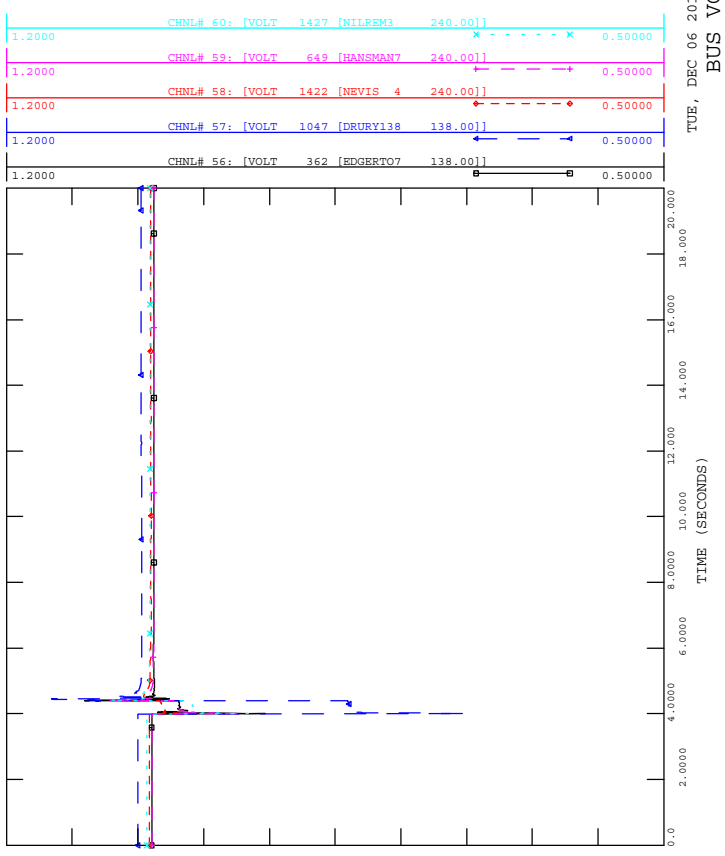
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L912_S902_766S-Nevis.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_S704_710S-Vermillion.o

TUE, DEC 06 2016 21:57

BUS VOLTAGE

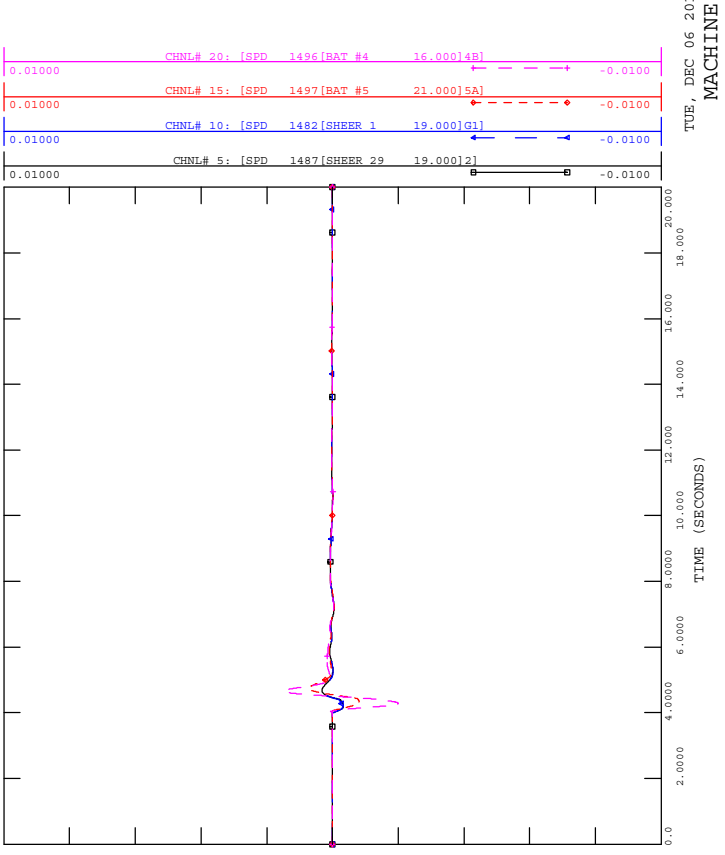


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_S704_710S-Vermillion.o

TUE, DEC 06 2016 21:57

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION

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TUE, DEC 06 2016 21:57

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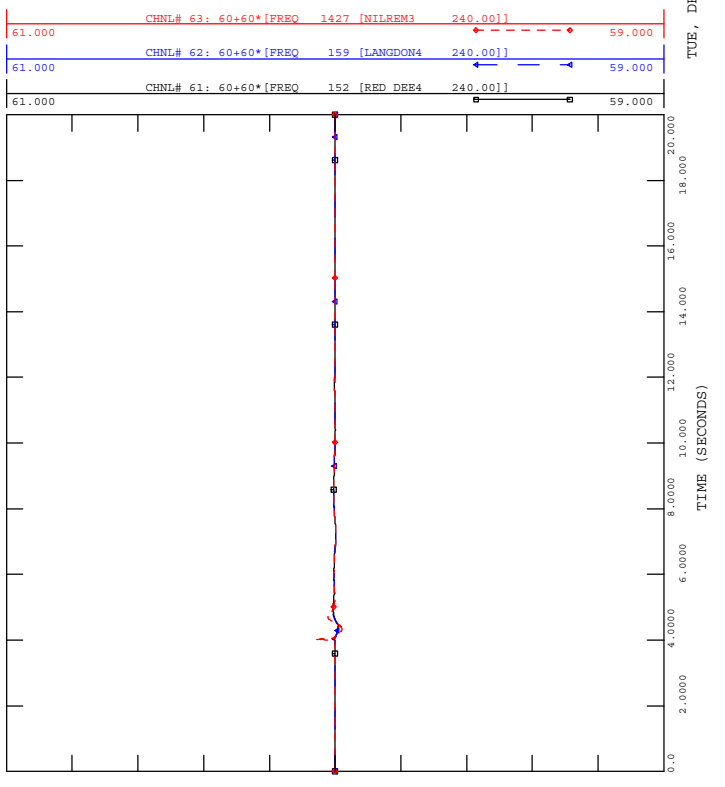
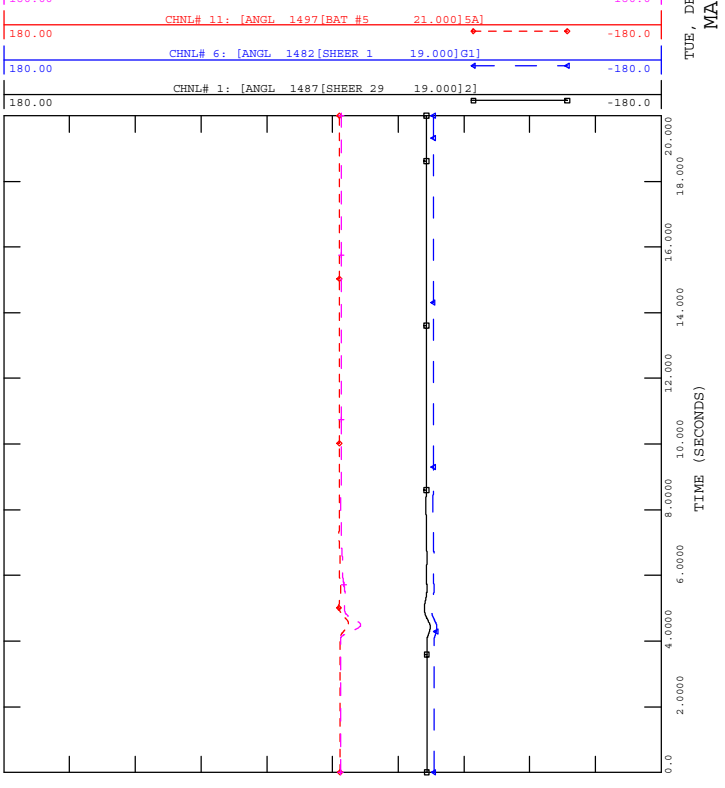


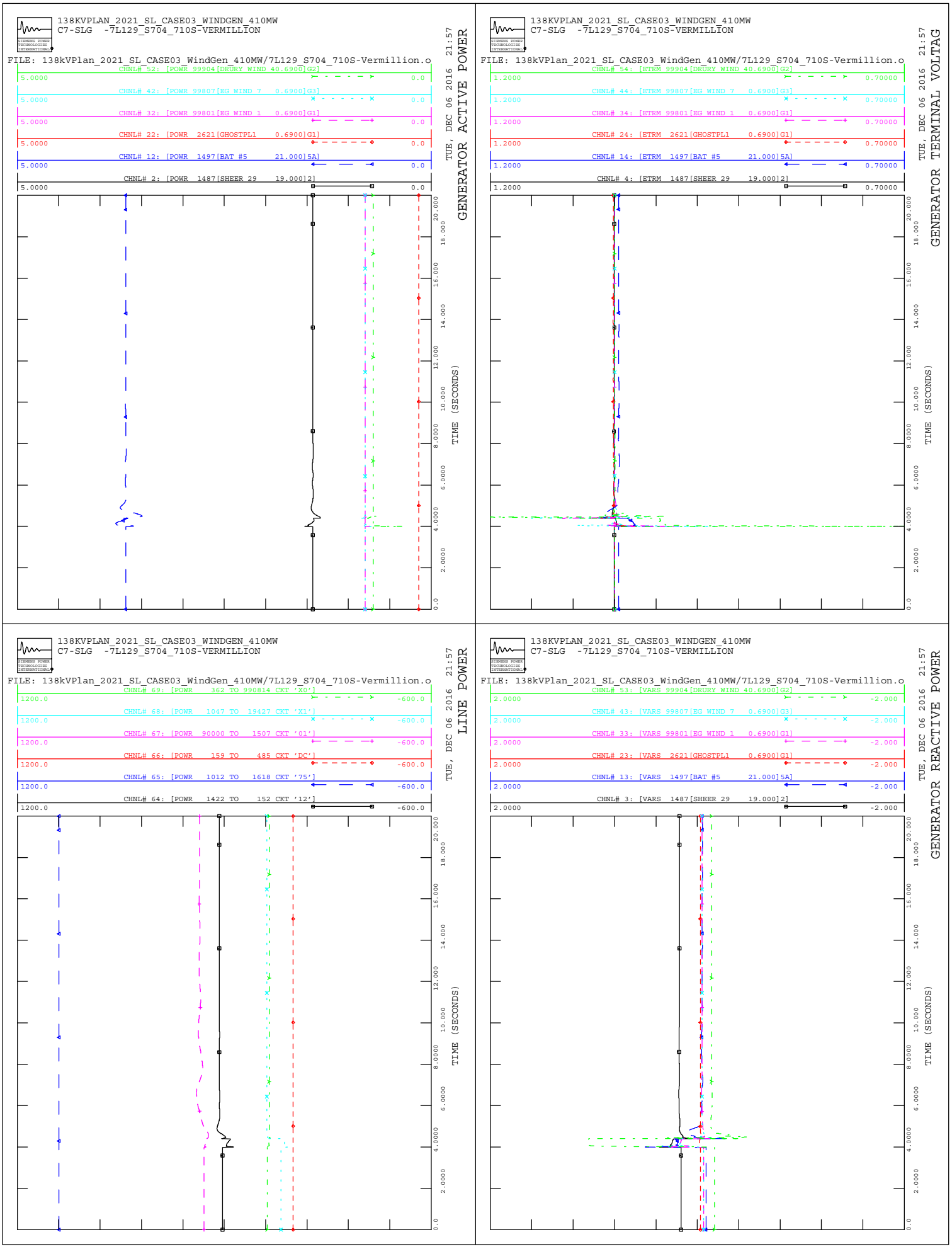
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_S704_710S-Vermillion.o

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_S704_710S-Vermillion.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
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138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_S704_710S-Vermillion.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
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138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L129_S704_710S-Vermillion.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
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2.0000
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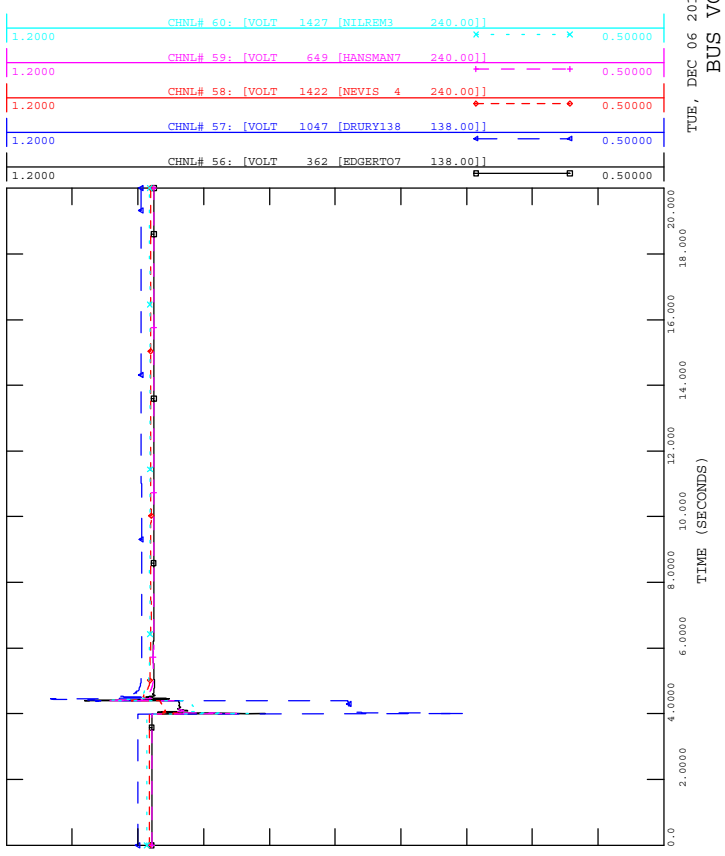
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_S703_710S-Vermillion.o

TUE, DEC 06 2016 21:57

BUS VOLTAGE



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C7-SLG -7L205_S703_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_S703_710S-Vermillion.o

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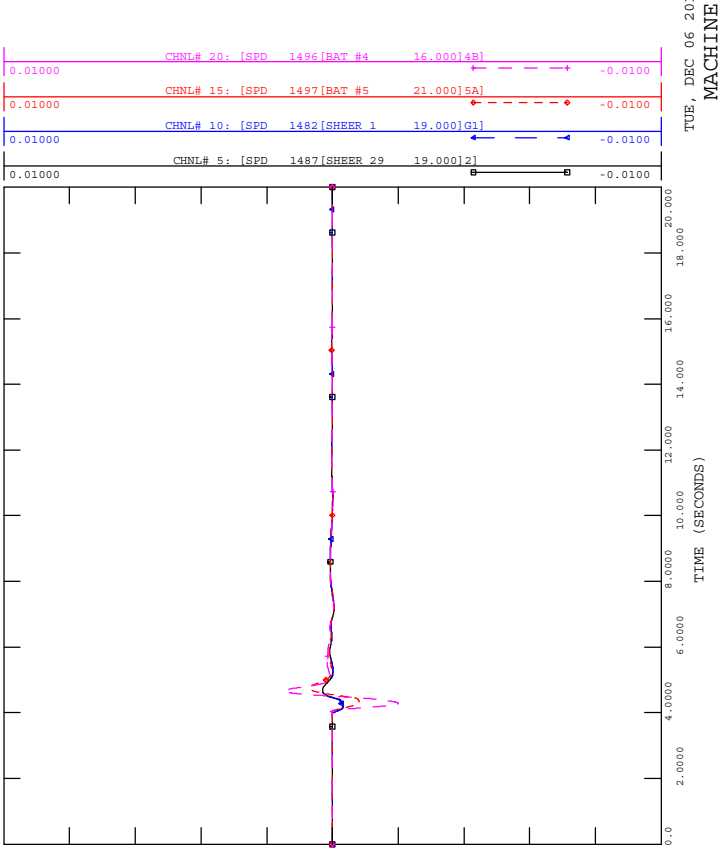
MACHINE SPEED

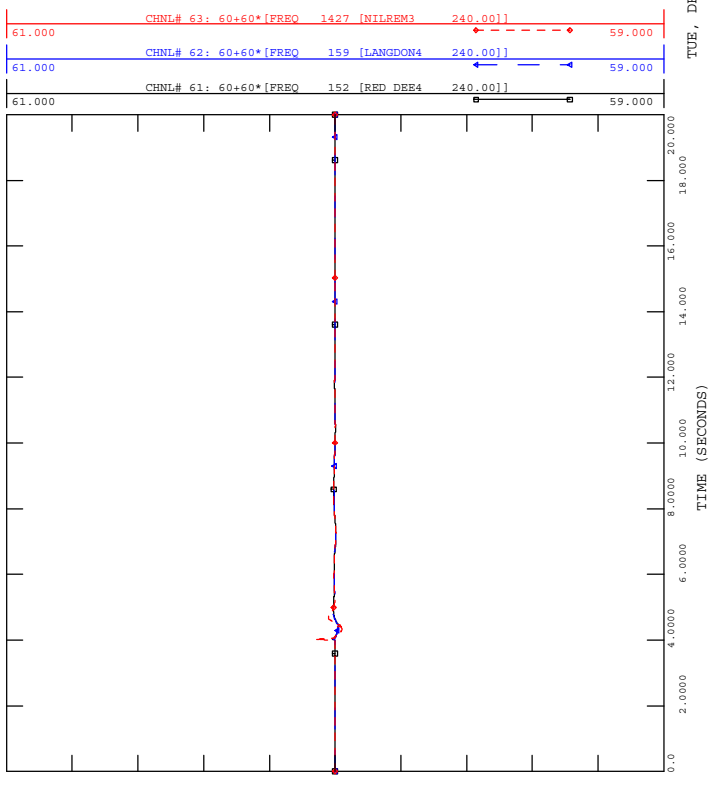


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_S703_710S-Vermillion.o

TUE, DEC 06 2016 21:57

FREQUENCY

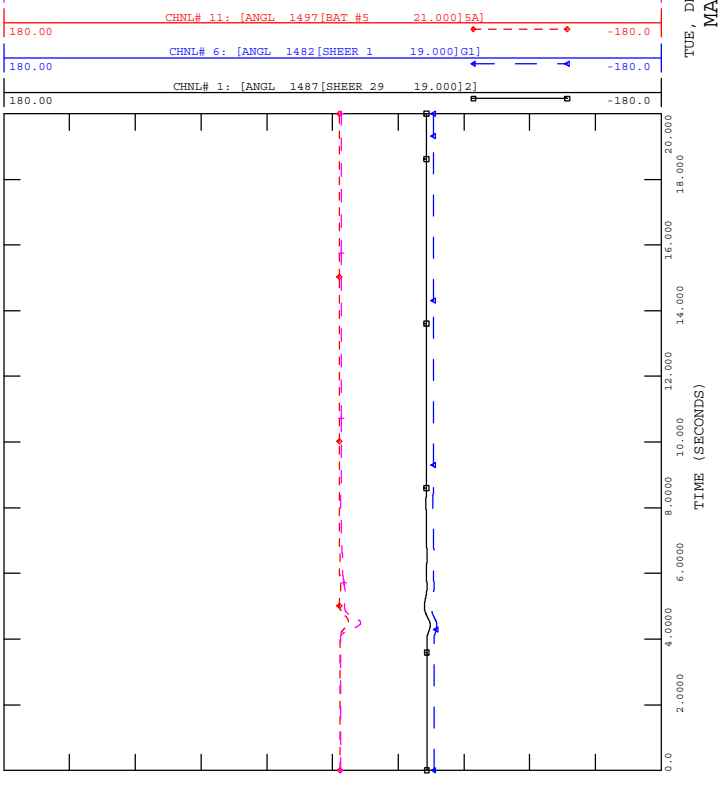


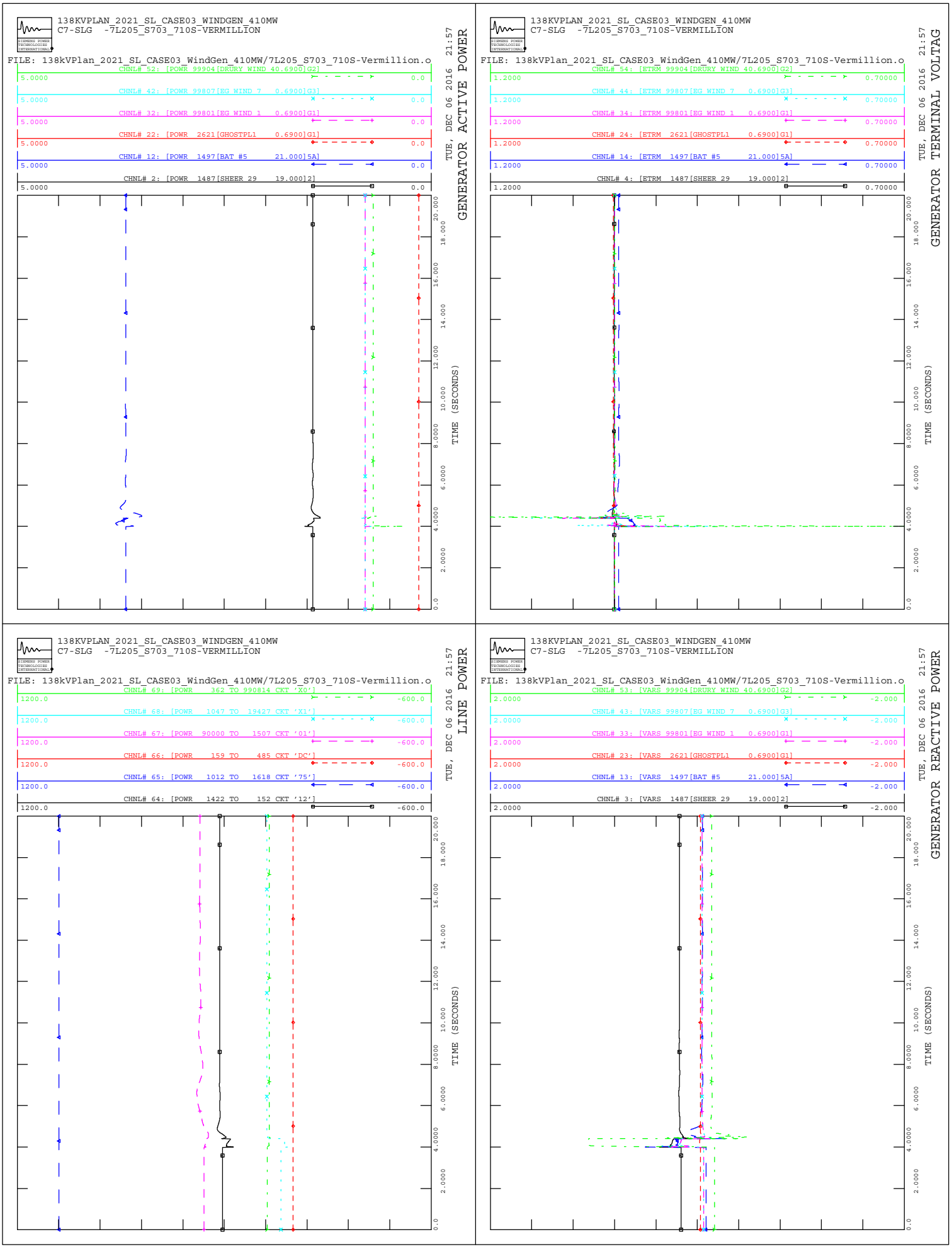
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_S703_710S-Vermillion.o

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_S703_710S-Vermillion.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_S703_710S-Vermillion.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
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8.0000
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12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_S703_710S-Vermillion.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_S703_710S-Vermillion.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
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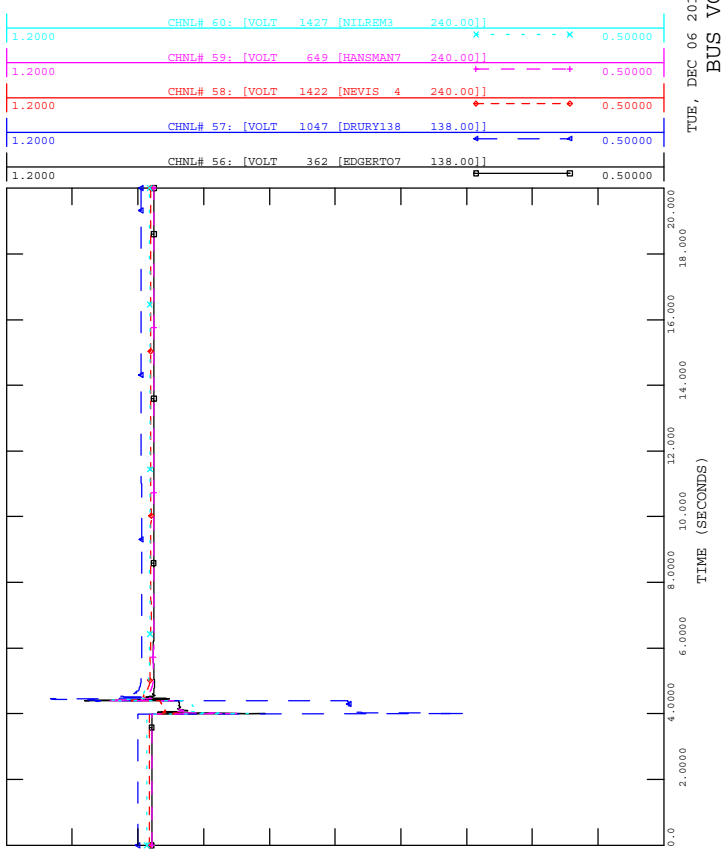
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_S701_710S-Vermillion.o

TUE, DEC 06 2016 21:57

BUS VOLTAGE

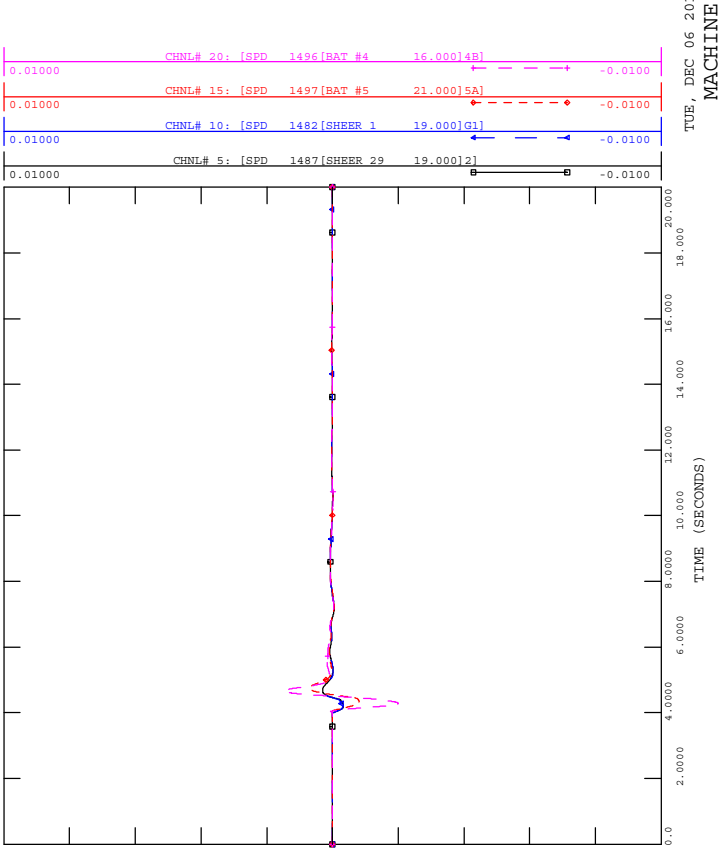


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_S701_710S-Vermillion.o

TUE, DEC 06 2016 21:57

MACHINE SPEED

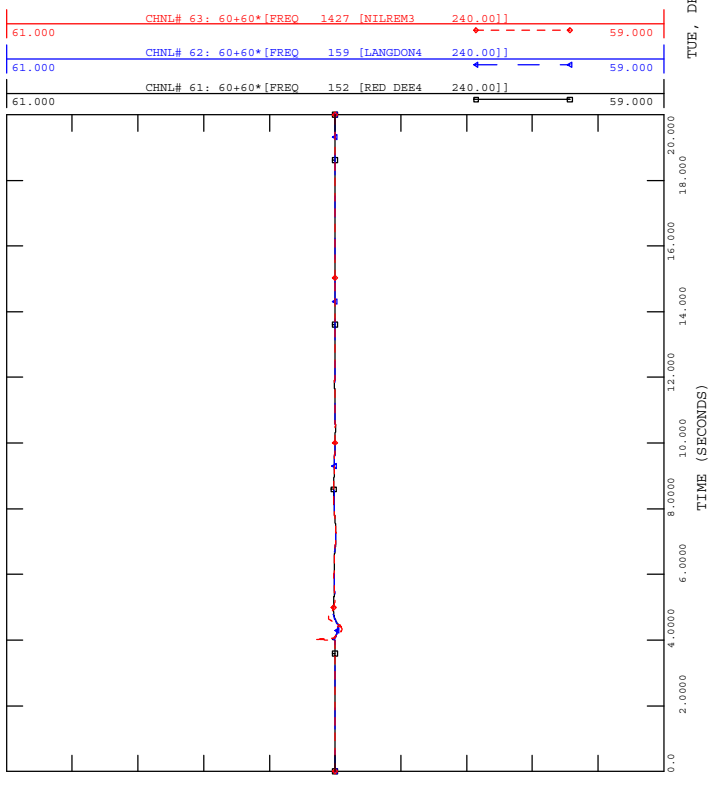


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_S701_710S-Vermillion.o

TUE, DEC 06 2016 21:57

FREQUENCY

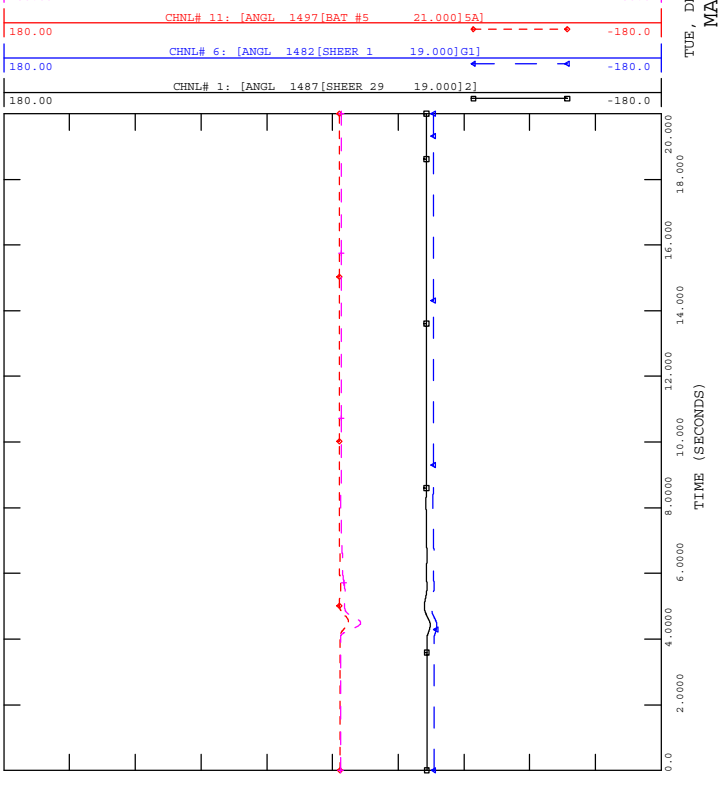


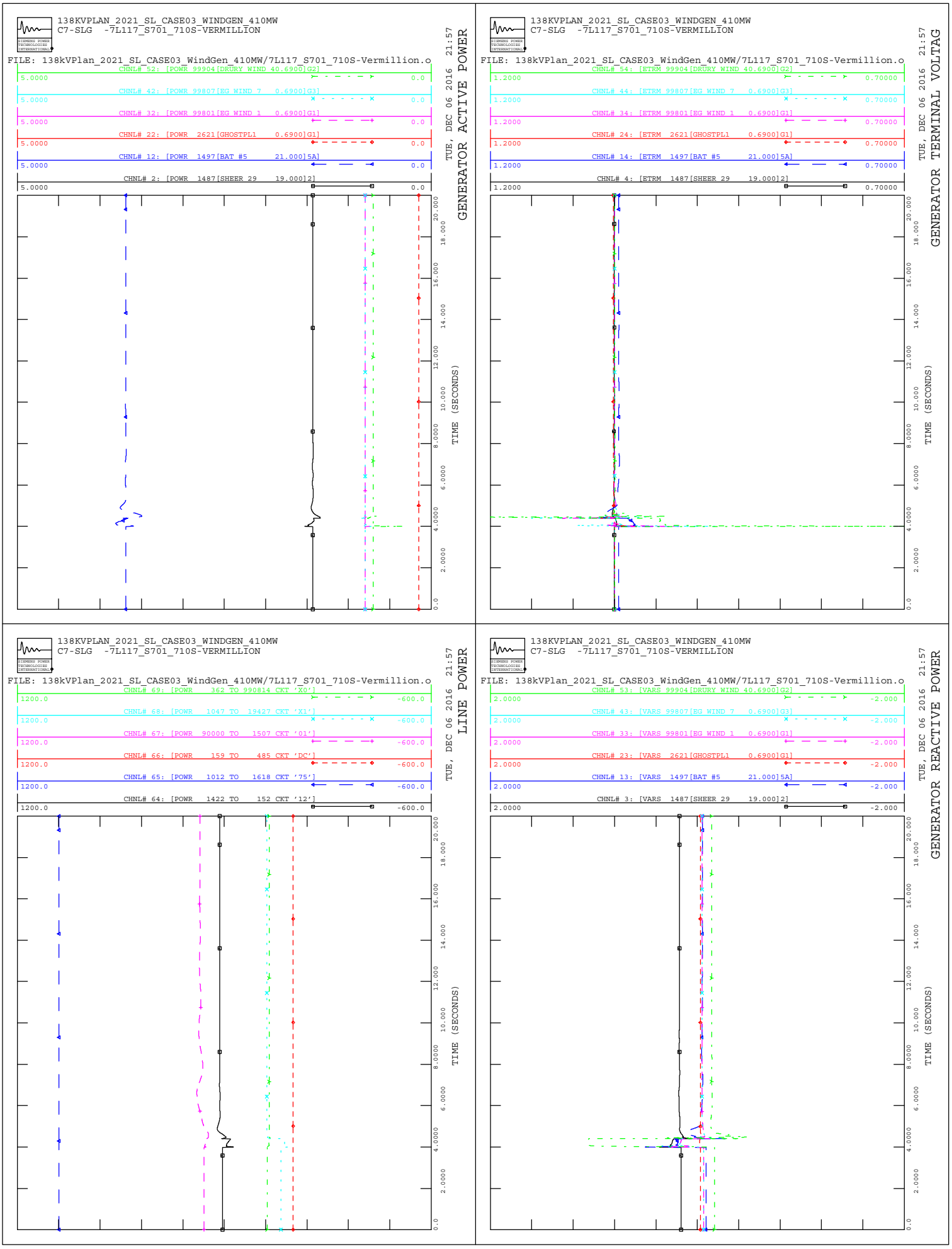
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_S701_710S-Vermillion.o

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_S701_710S-Vermillion.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_S701_710S-Vermillion.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_S701_710S-Vermillion.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
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8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L117_S701_710S-Vermillion.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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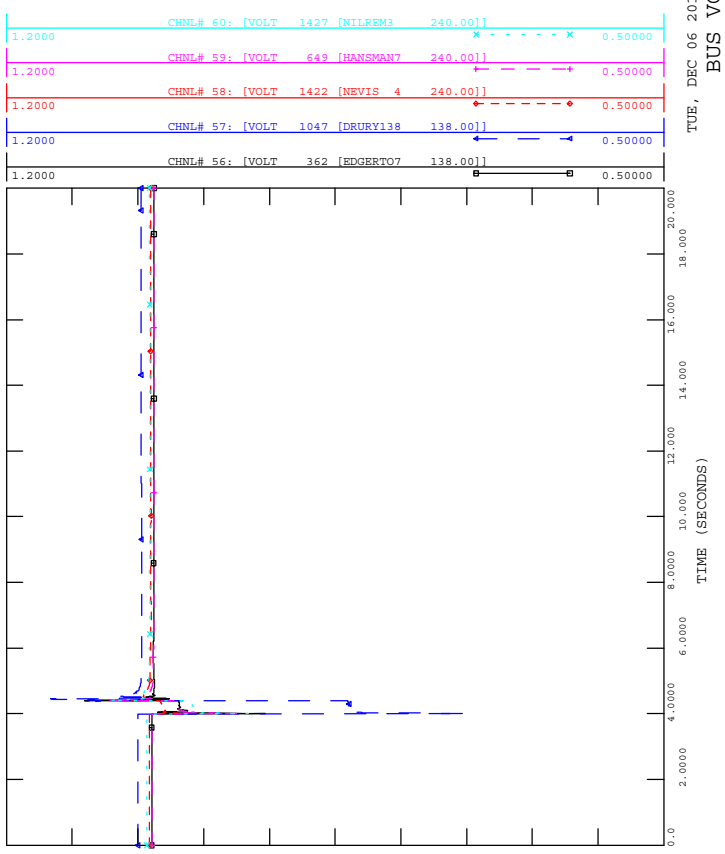
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_S702_710S-Vermillion.o

TUE, DEC 06 2016 21:57

BUS VOLTAGE

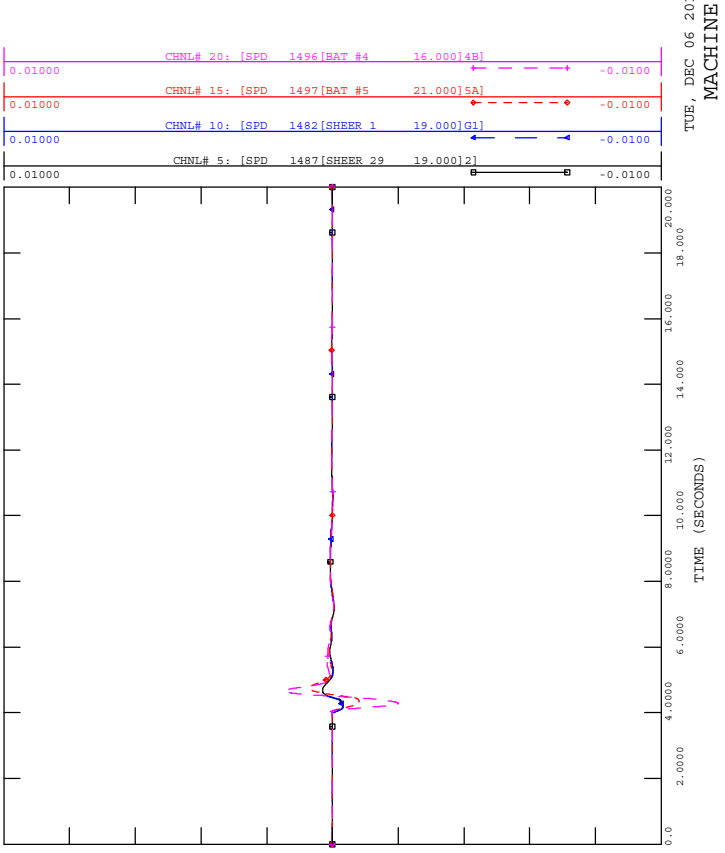


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_S702_710S-Vermillion.o

TUE, DEC 06 2016 21:57

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_S702_710S-Vermillion.o

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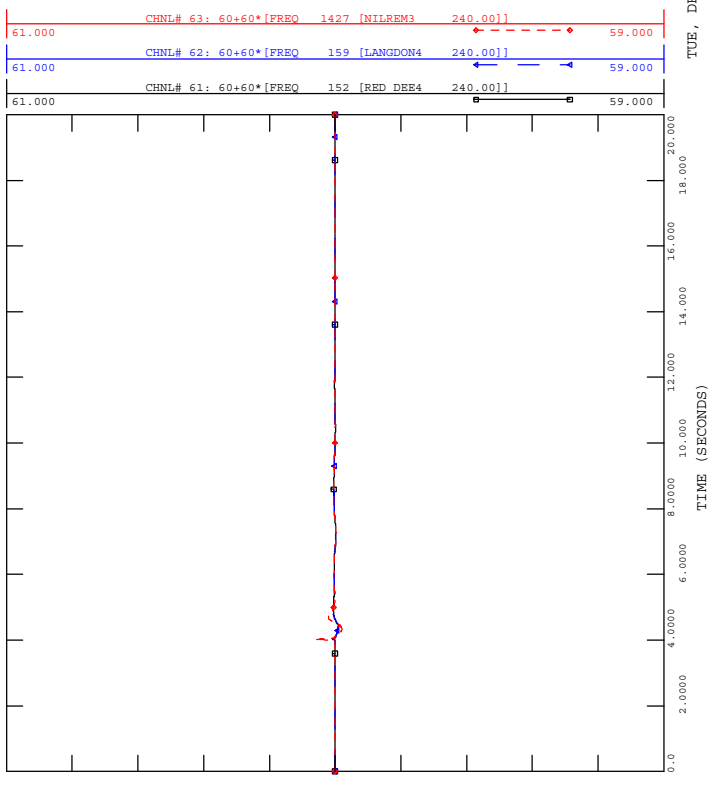
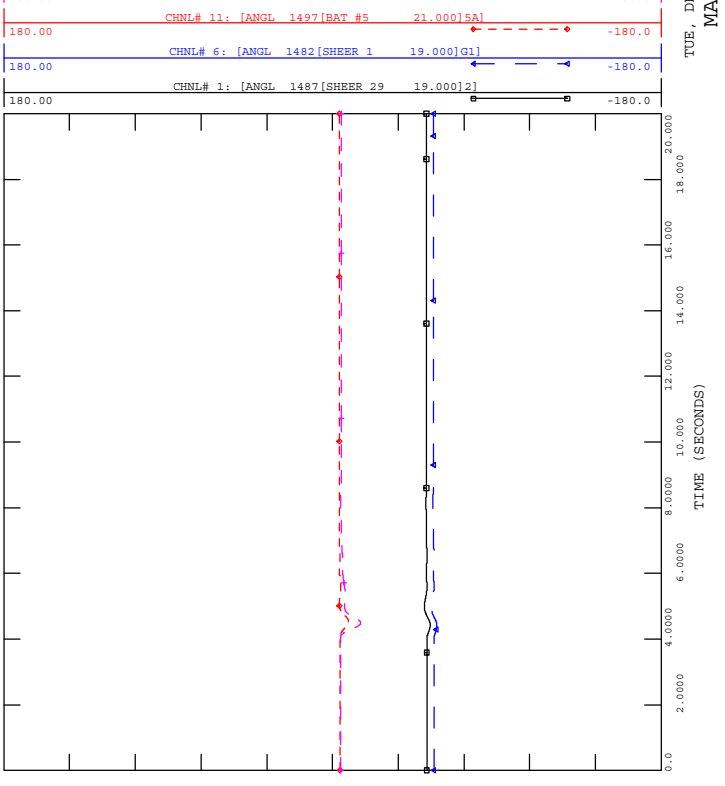


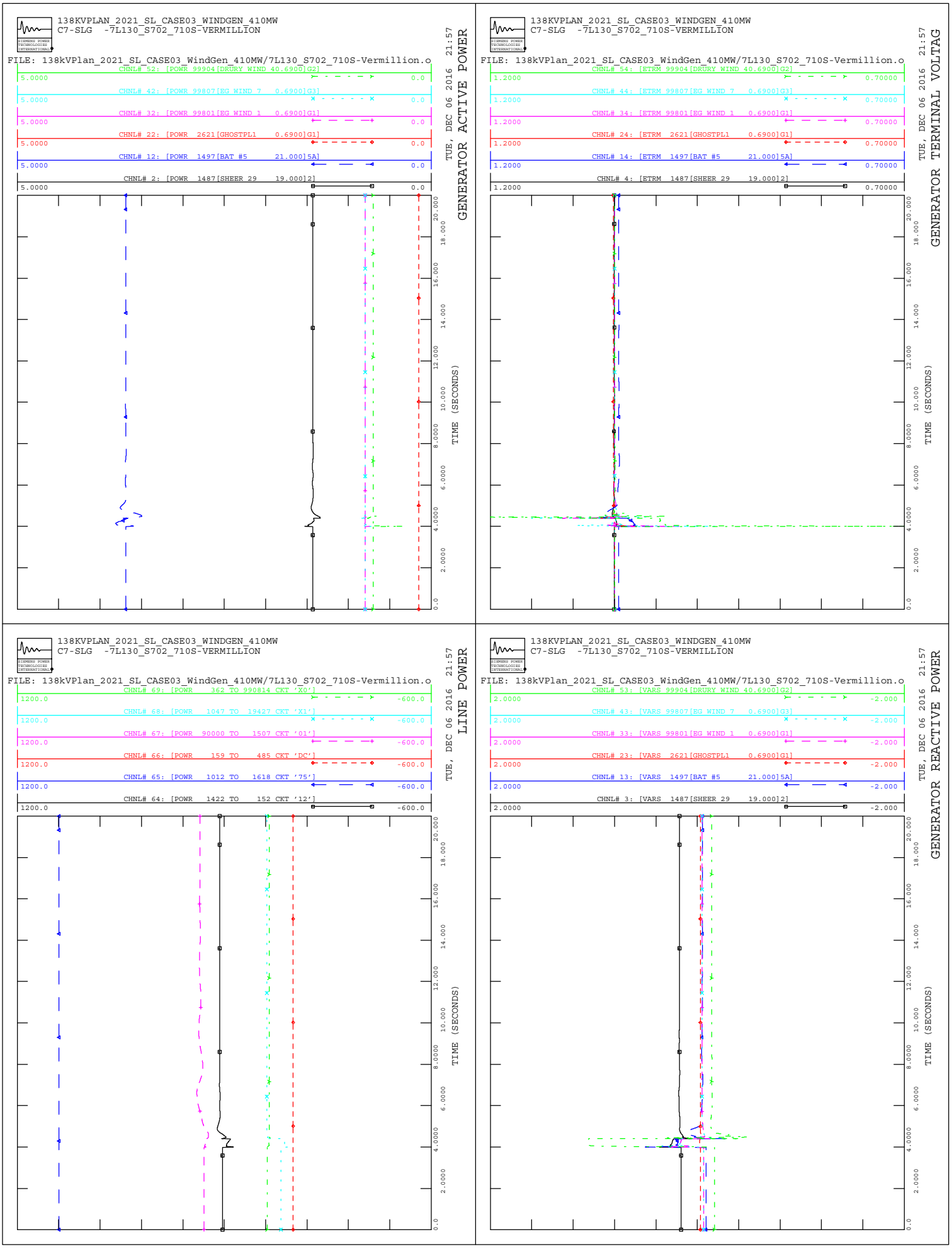
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_S702_710S-Vermillion.o

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_S702_710S-Vermillion.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_S702_710S-Vermillion.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
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16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_S702_710S-Vermillion.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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18.000
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138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L130_S702_710S-Vermillion.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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16.000
18.000
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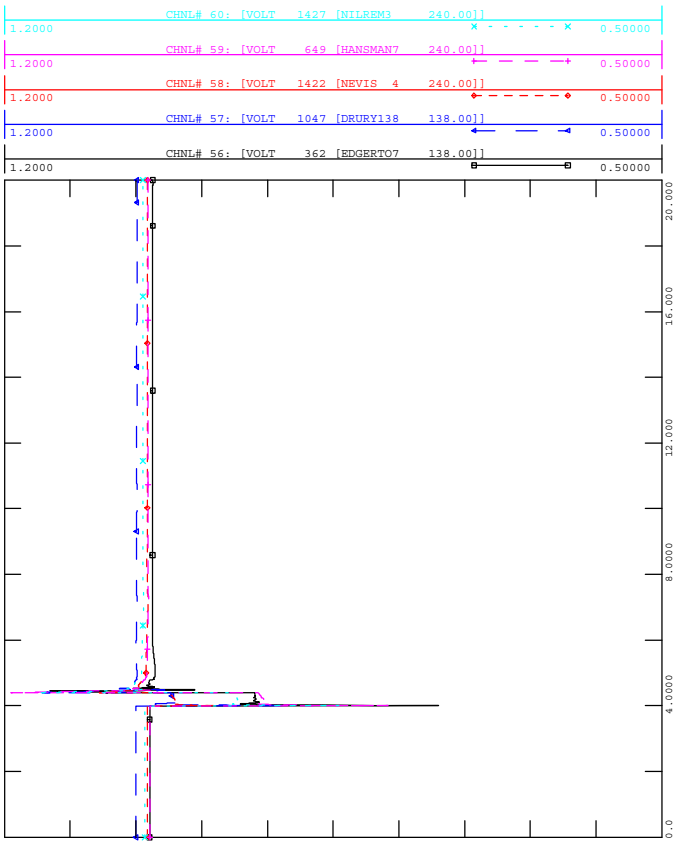
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_S472_648S-Metiskow.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE

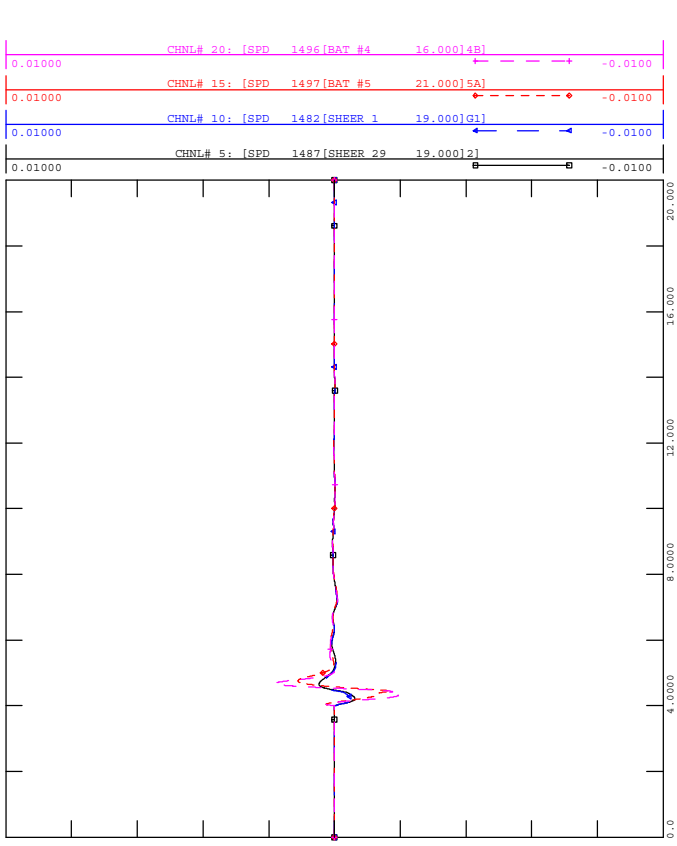


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_S472_648S-Metiskow.out

TUE, DEC 06 2016 21:57

MACHINE SPEED

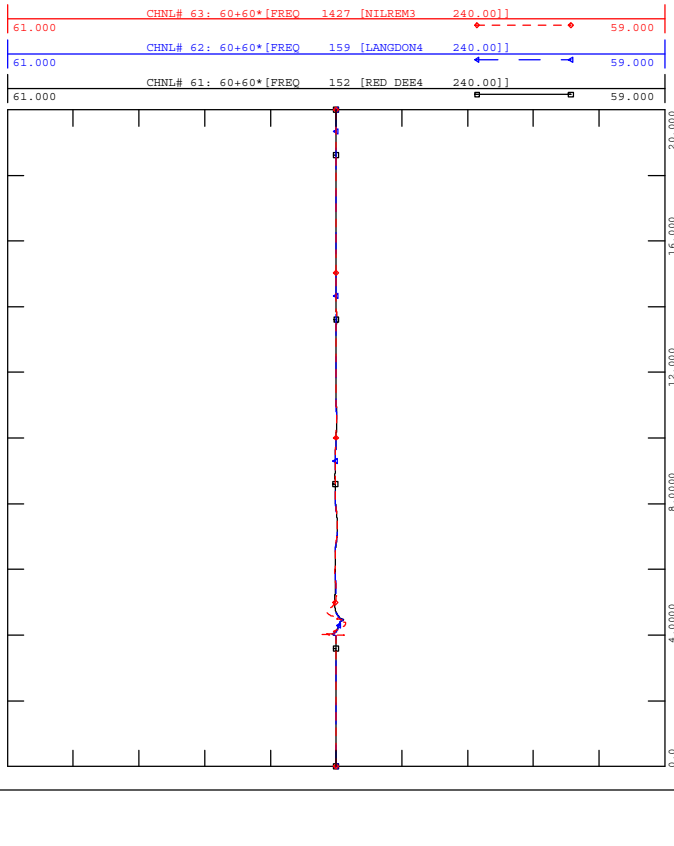


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_S472_648S-Metiskow.out

TUE, DEC 06 2016 21:57

FREQUENCY

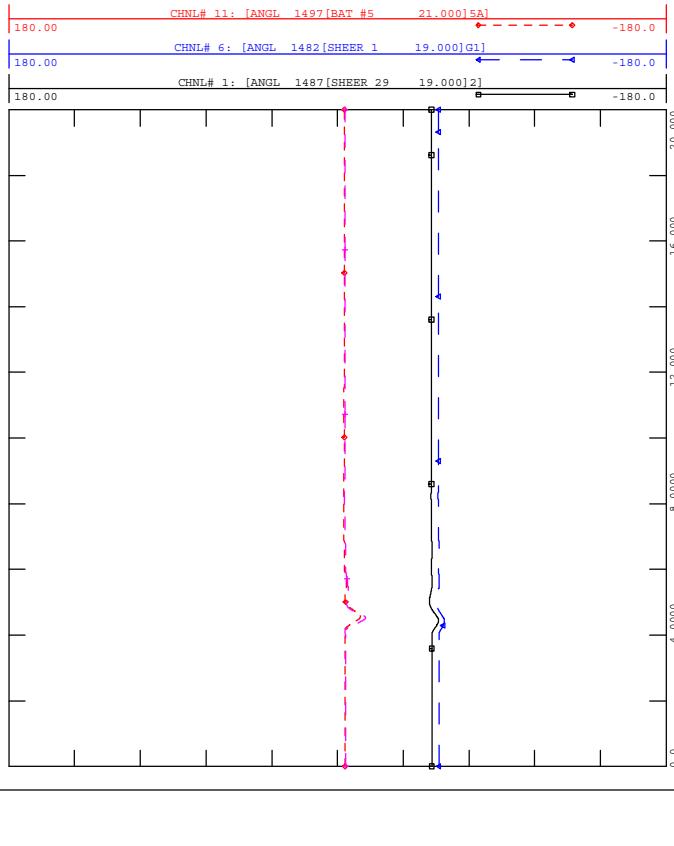


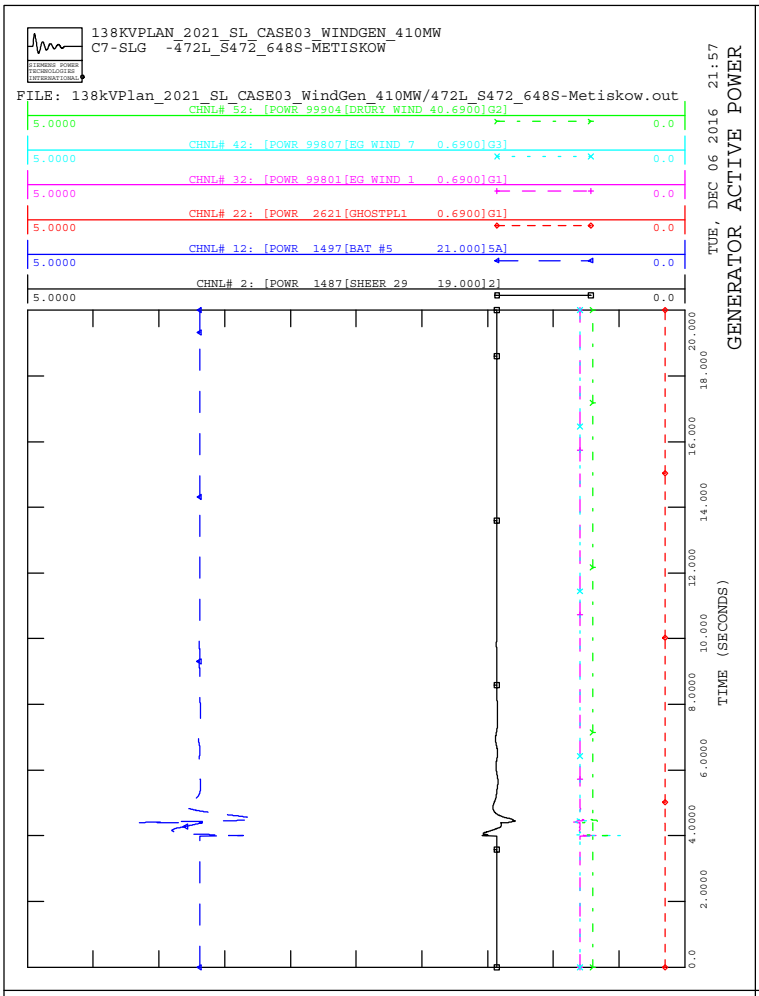
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_S472_648S-Metiskow.out

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -472L_S472_648S-METISKOW
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_S472_648S-Metiskow.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
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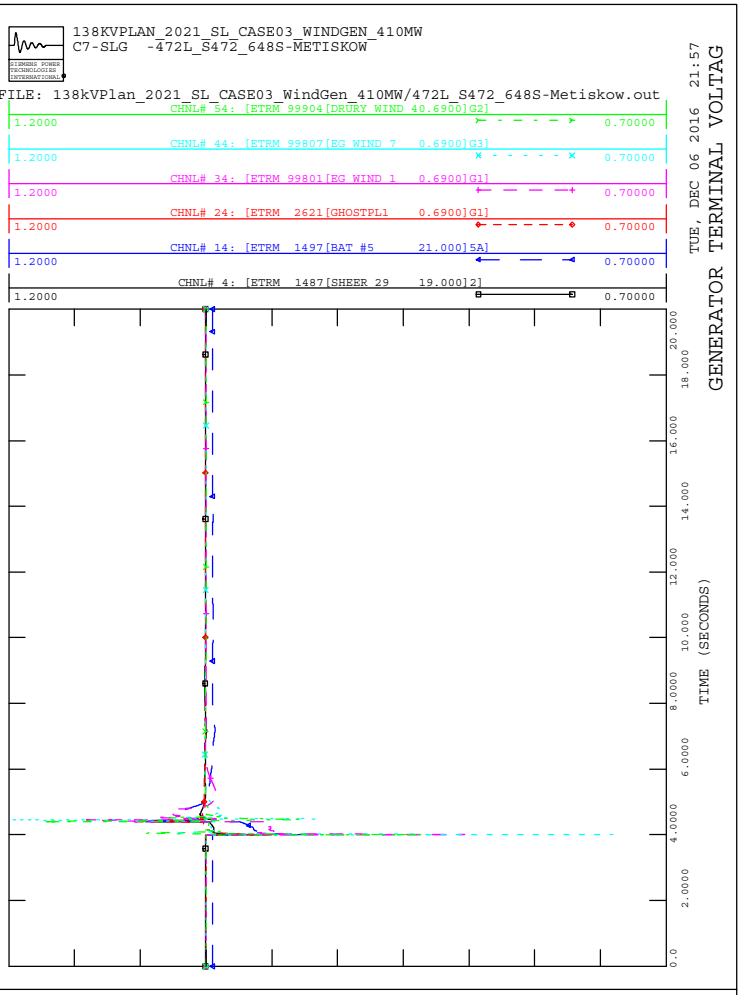
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -472L_S472_648S-METISKOW
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_S472_648S-Metiskow.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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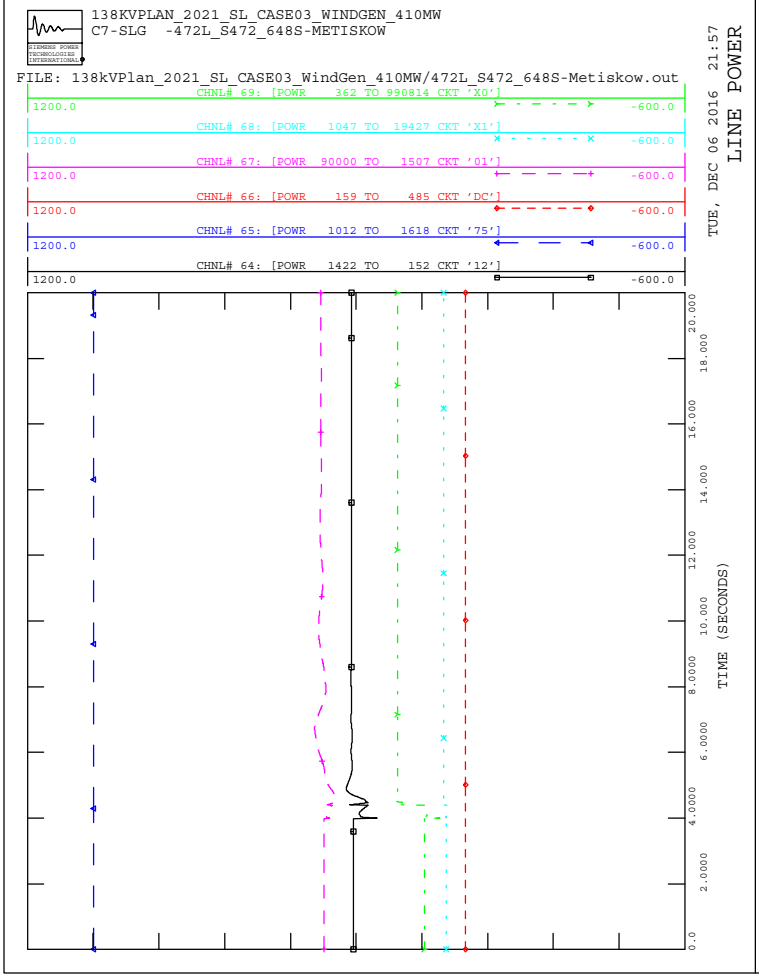
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -472L_S472_648S-METISKOW
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_S472_648S-Metiskow.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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LINE POWER
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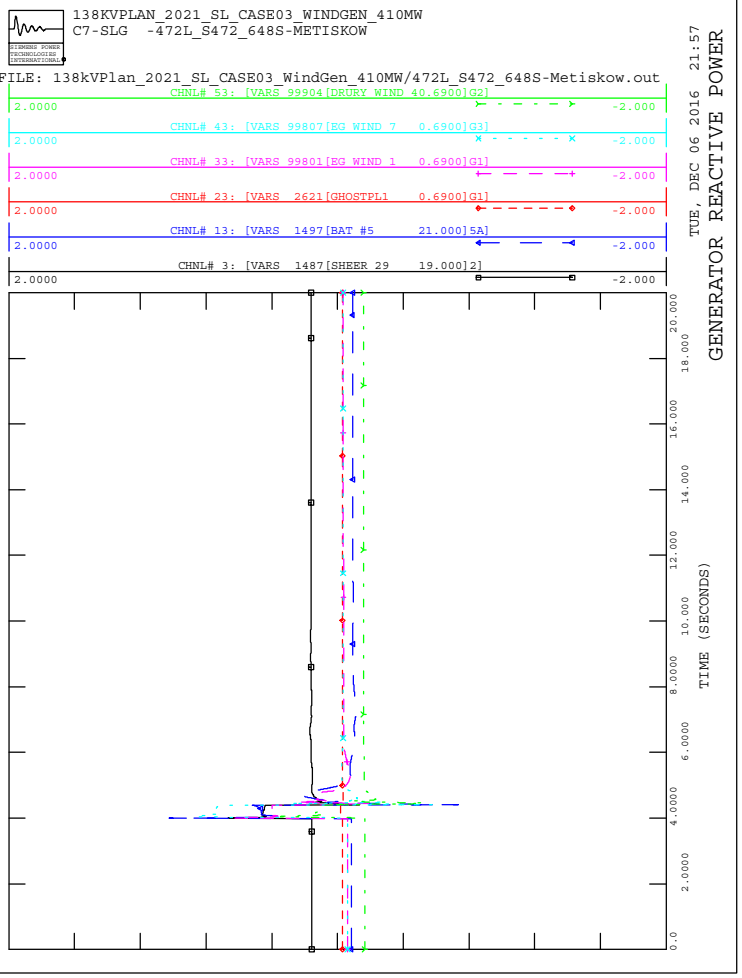
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -472L_S472_648S-METISKOW
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/472L_S472_648S-Metiskow.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
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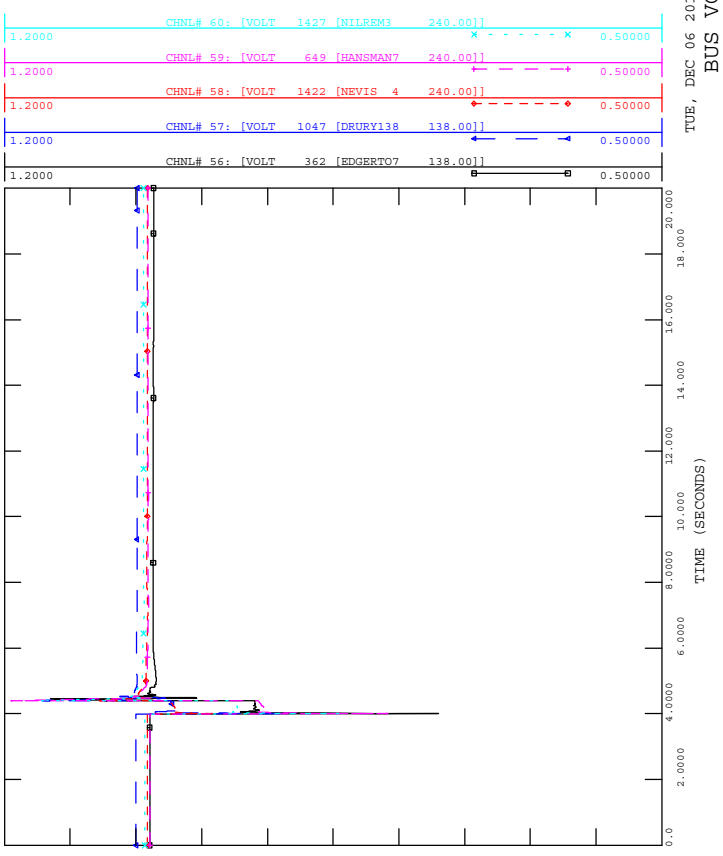
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749E_648S-METISKOW

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_S749E_648S-Metiskow.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE



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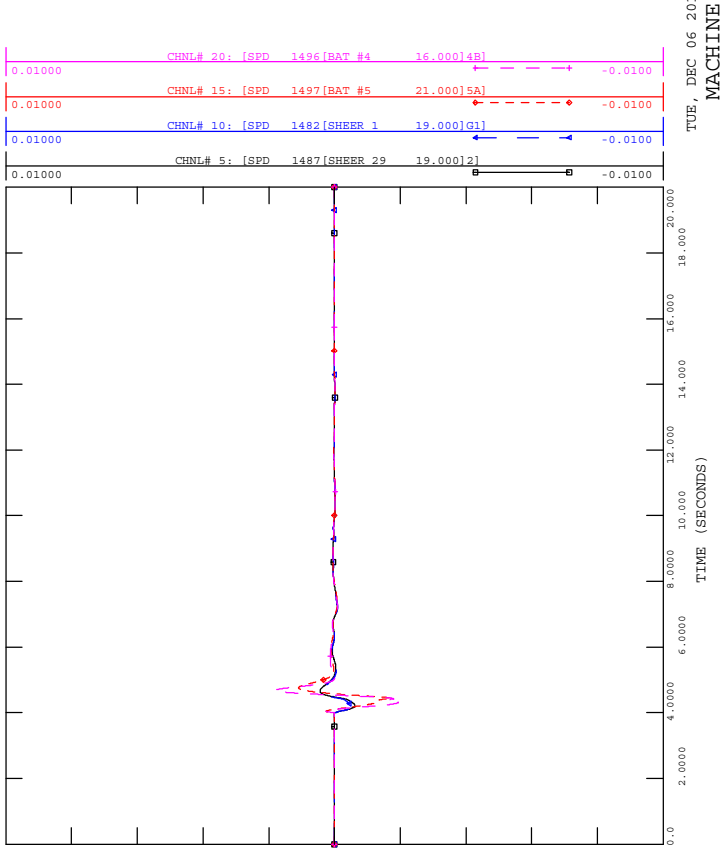
C7-SLG -749L_S749E_648S-METISKOW

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_S749E_648S-Metiskow.out

TUE, DEC 06 2016 21:57

MACHINE SPEED



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C7-SLG -749L_S749E_648S-METISKOW

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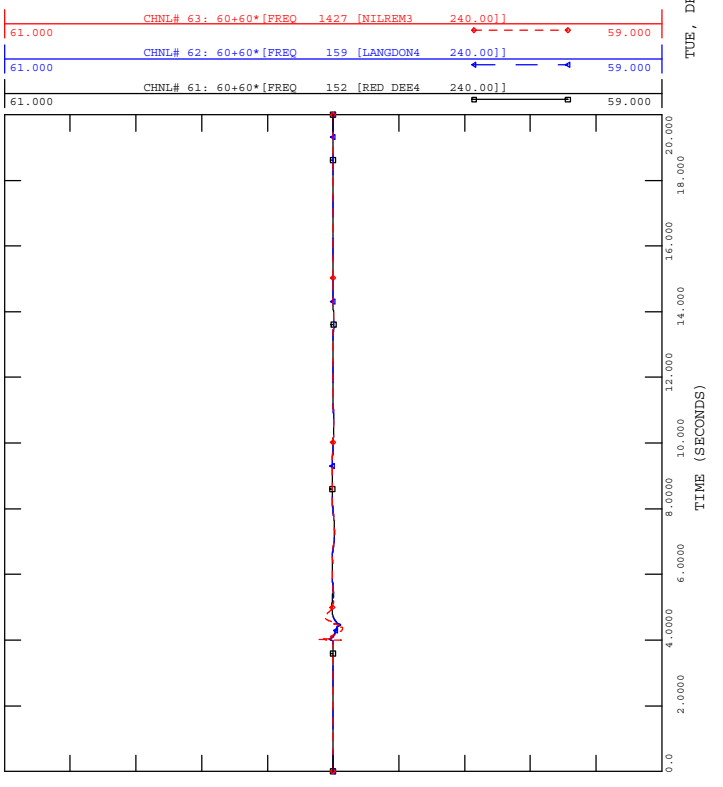
TUE, DEC 06 2016 21:57

FREQUENCY



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C7-SLG -749L_S749E_648S-METISKOW

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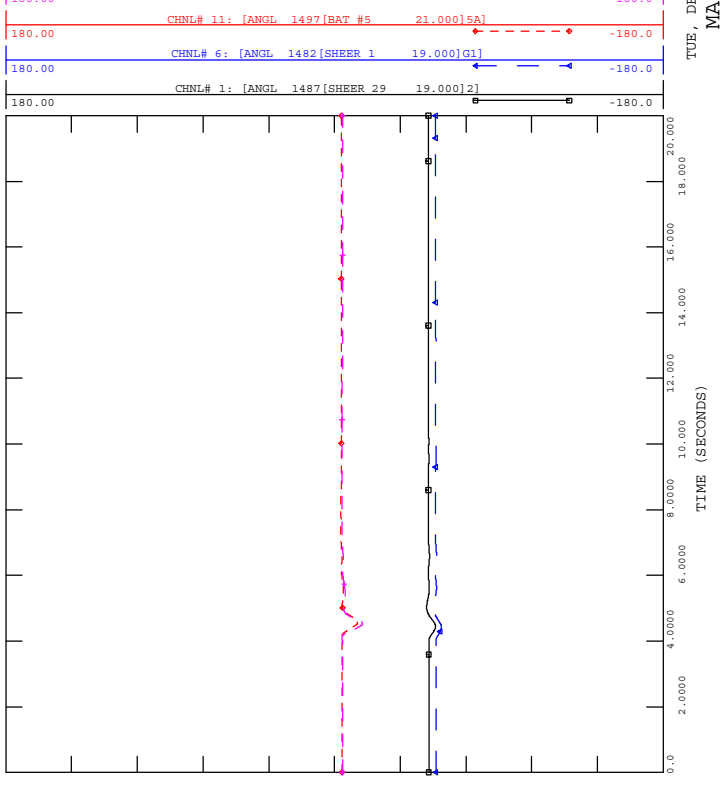
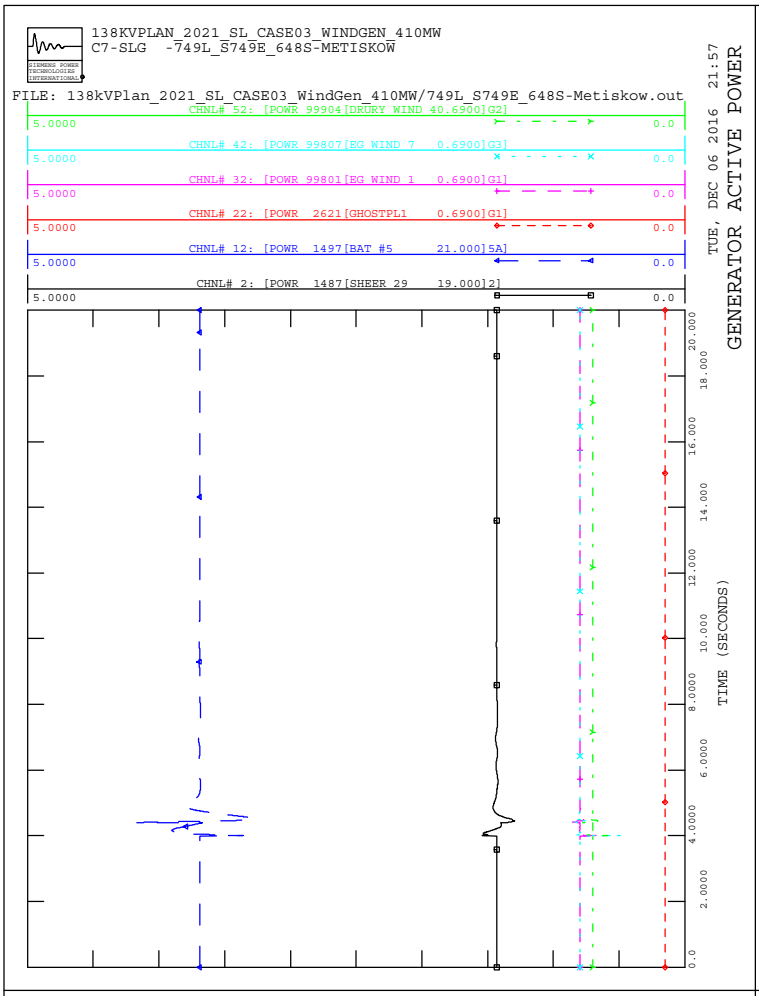
TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749E_648S-METISKOW
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
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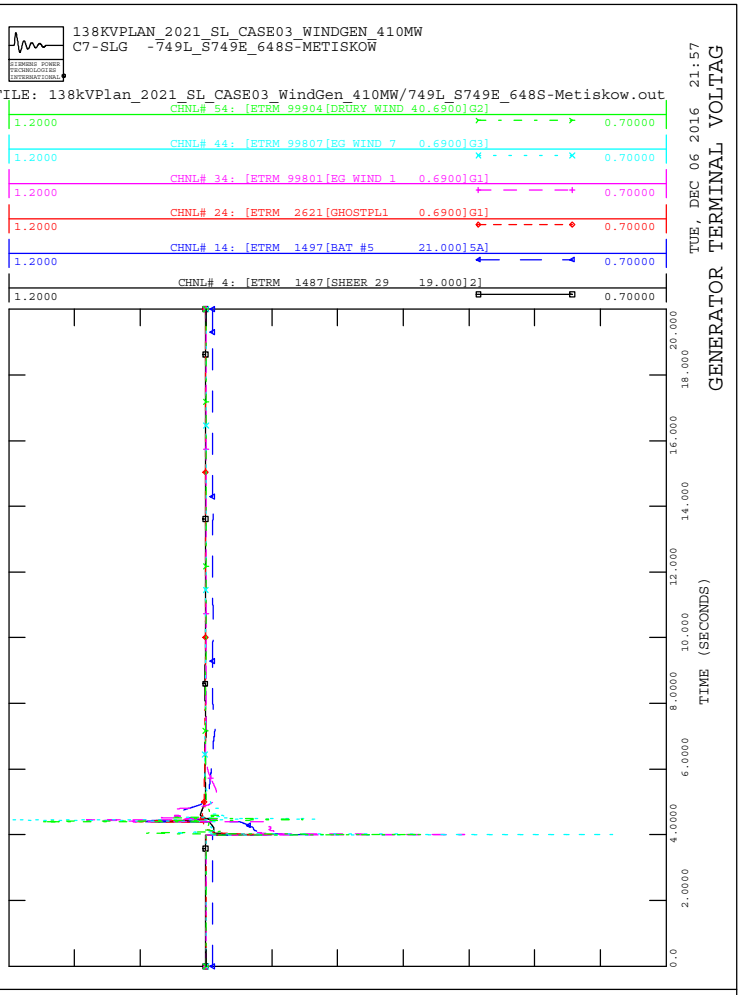
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749E_648S-METISKOW
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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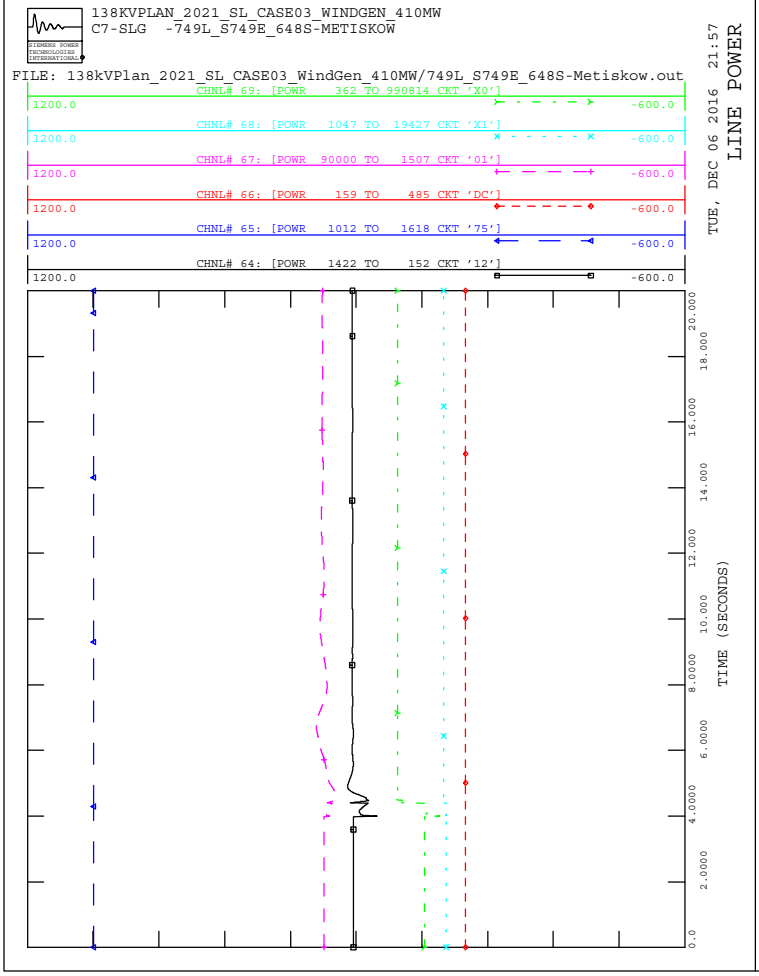
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749E_648S-METISKOW
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_S749E_648S-Metiskow.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
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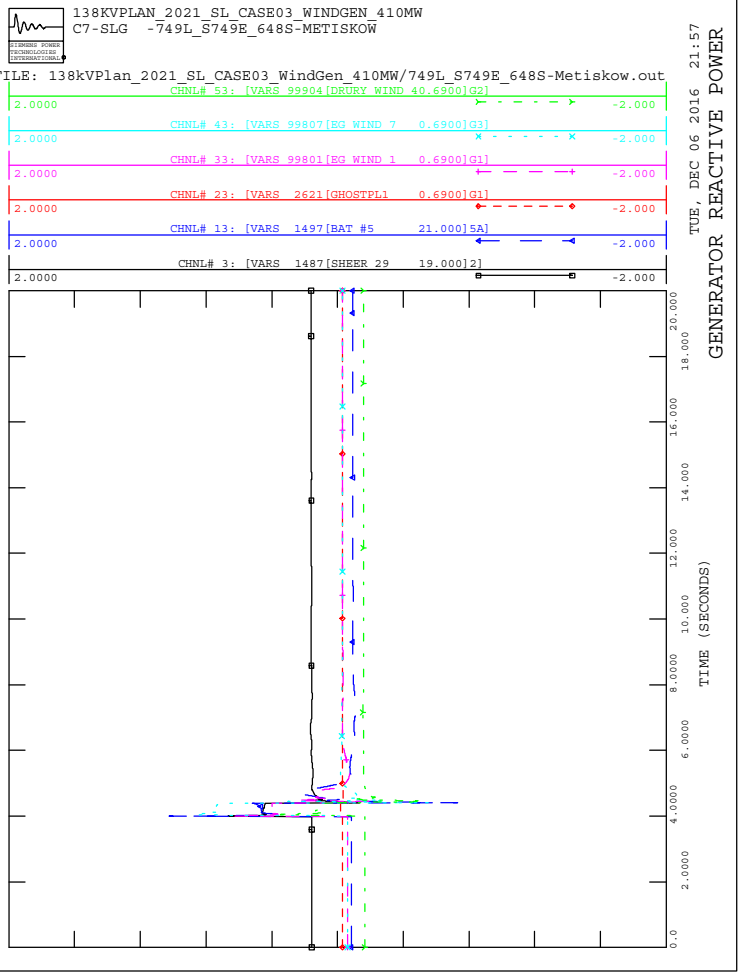
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749E_648S-METISKOW
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_S749E_648S-Metiskow.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
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138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S885_648S-METISKOW

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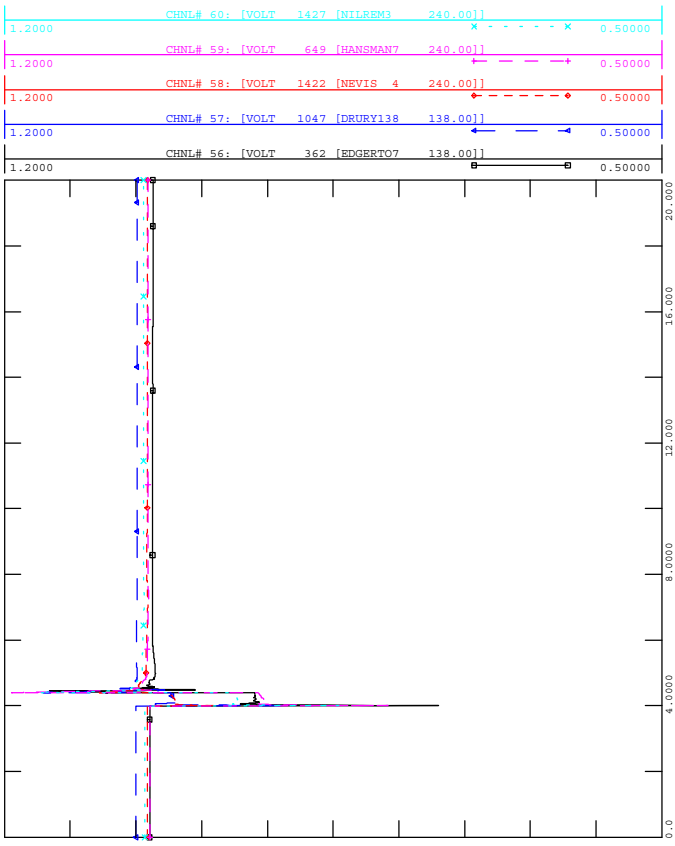
TUE, DEC 06 2016 21:57

BUS VOLTAGE



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S885_648S-METISKOW

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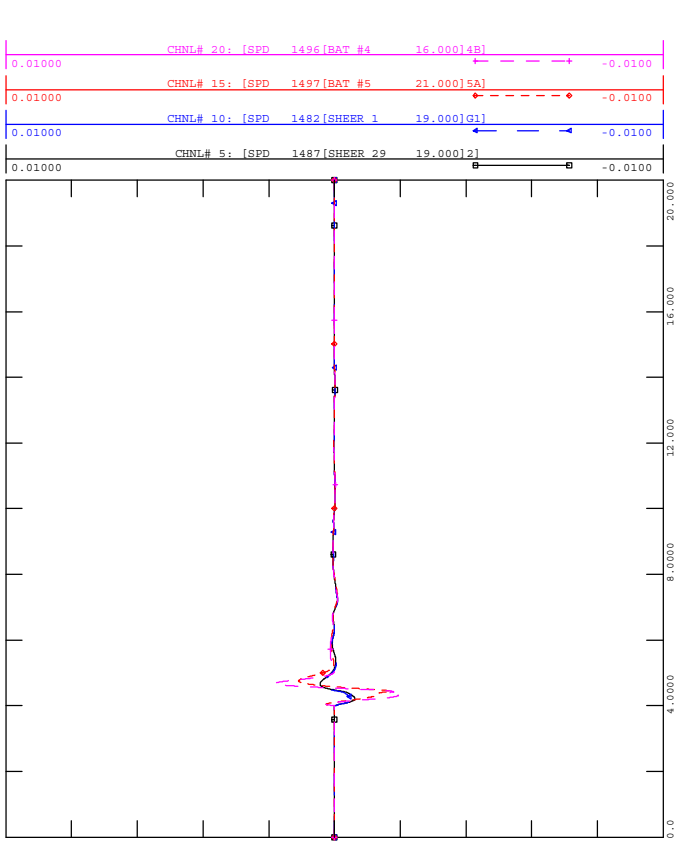
TUE, DEC 06 2016 21:57

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S885_648S-METISKOW

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TUE, DEC 06 2016 21:57

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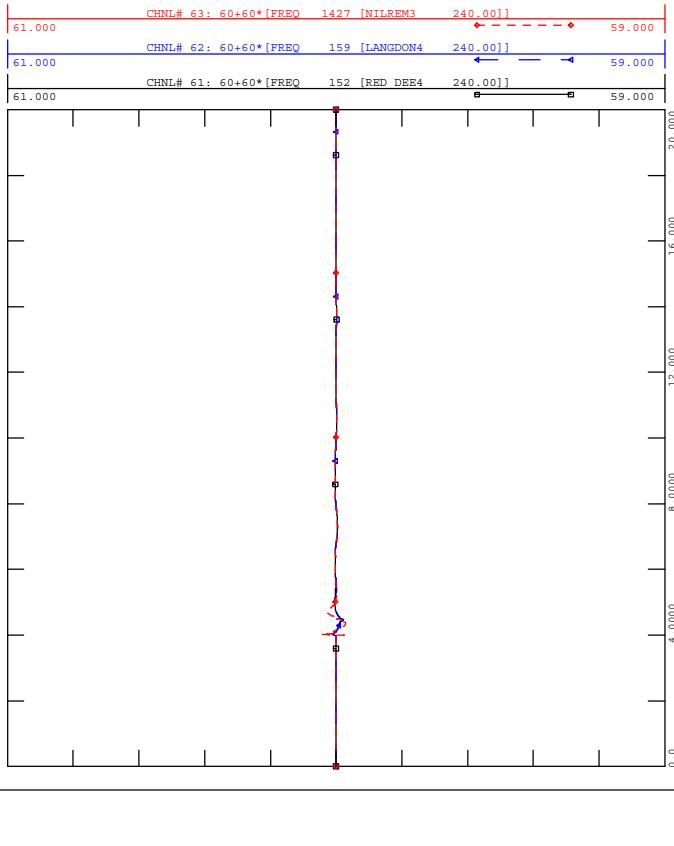

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S885_648S-METISKOW

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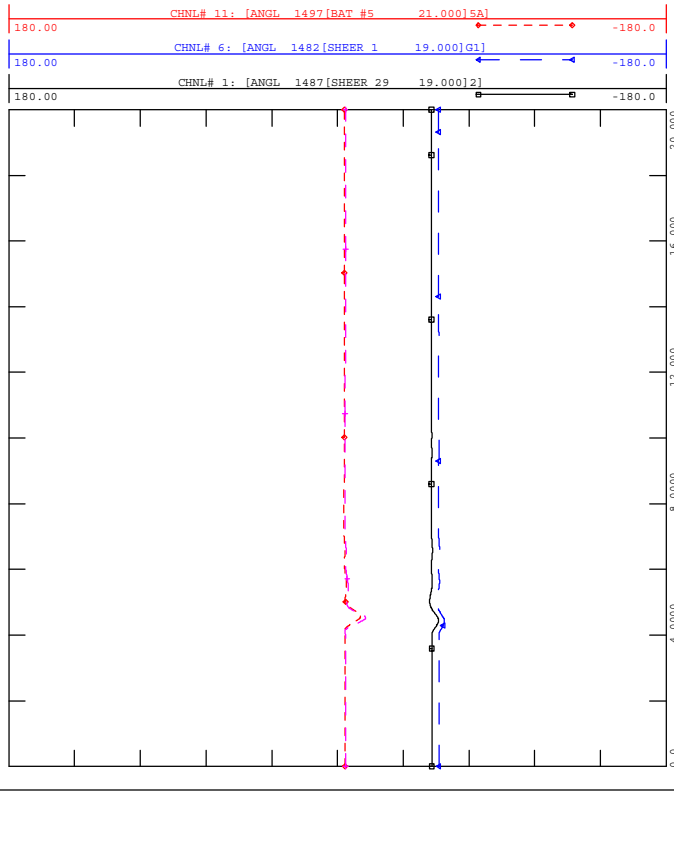
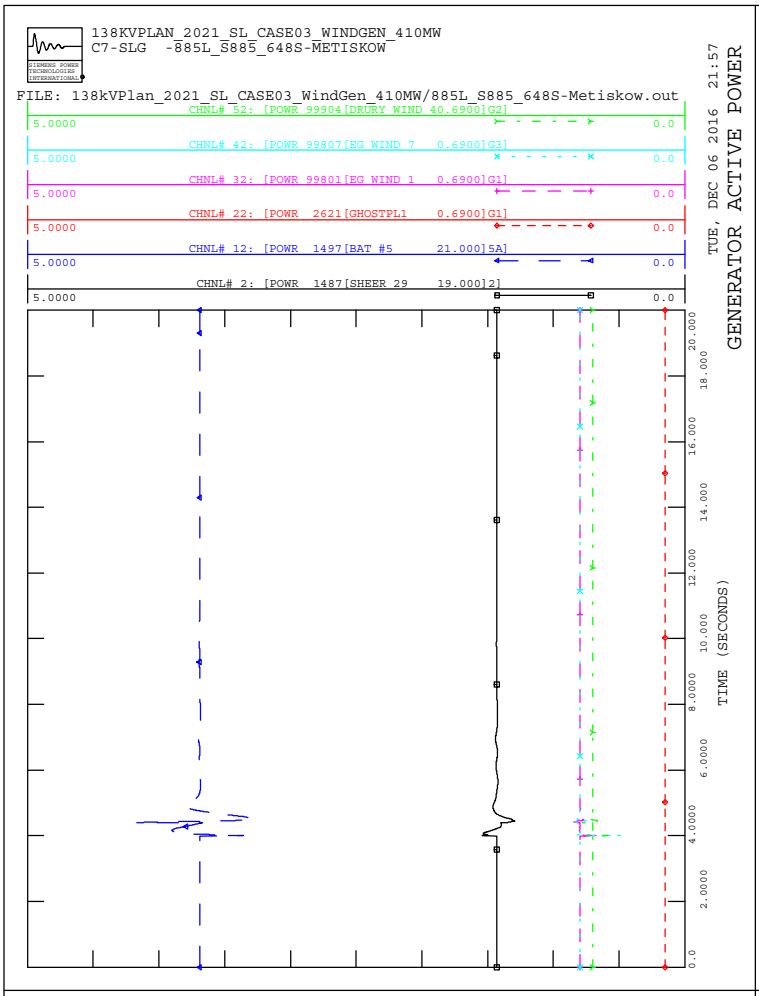
TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S885_648S-METISKOW
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
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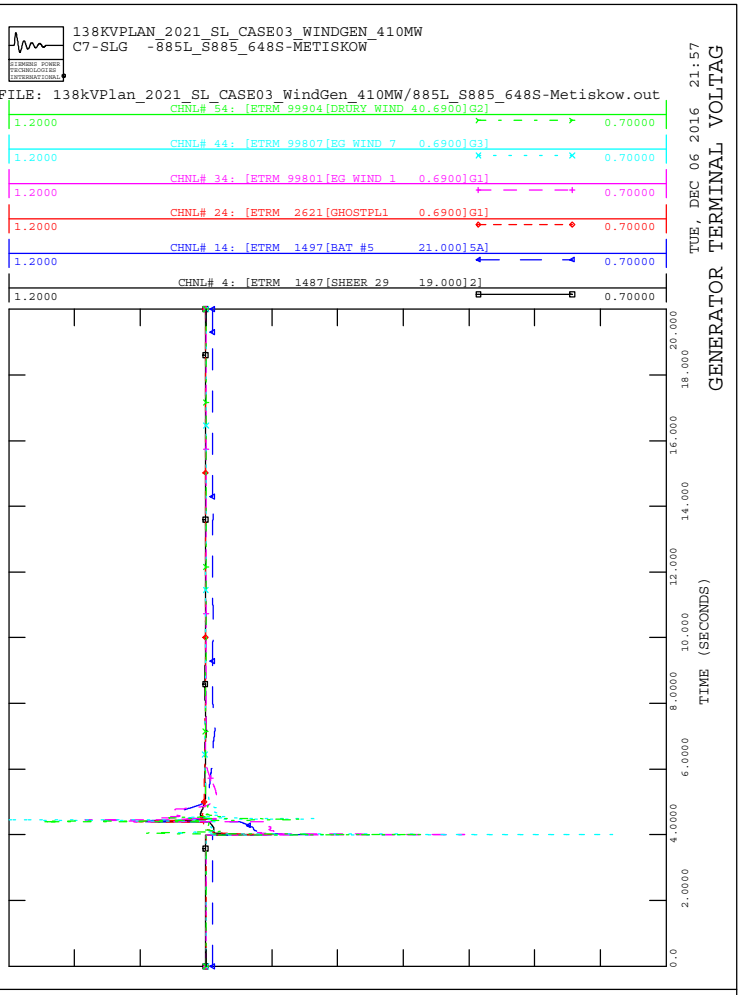
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S885_648S-METISKOW
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
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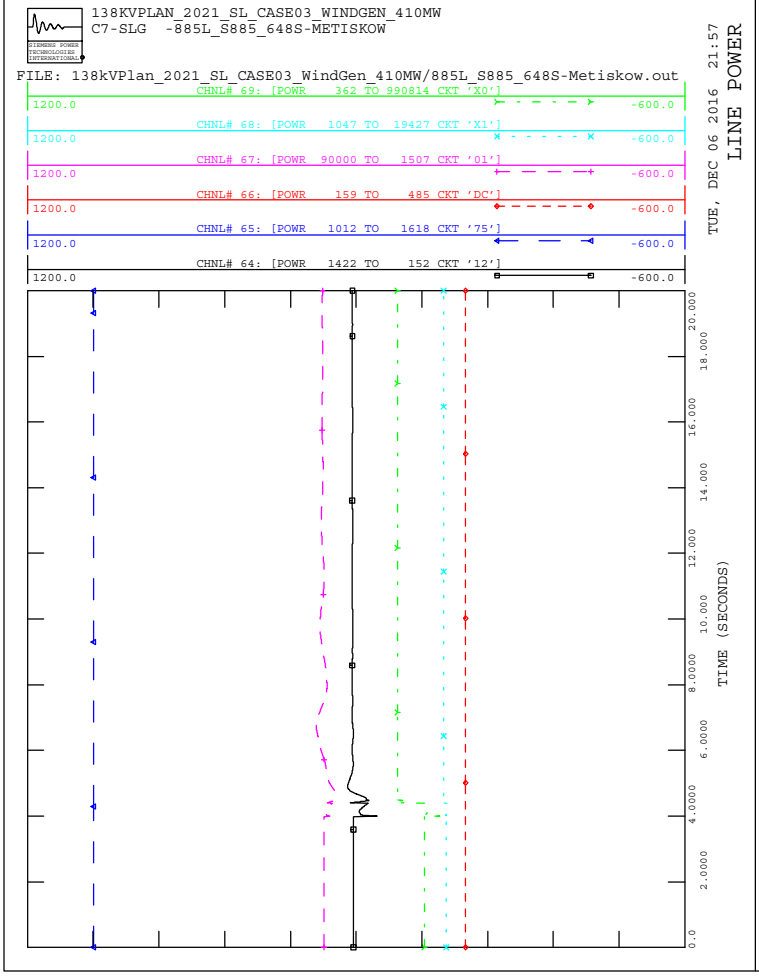
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S885_648S-METISKOW
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_S885_648S-Metiskow.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
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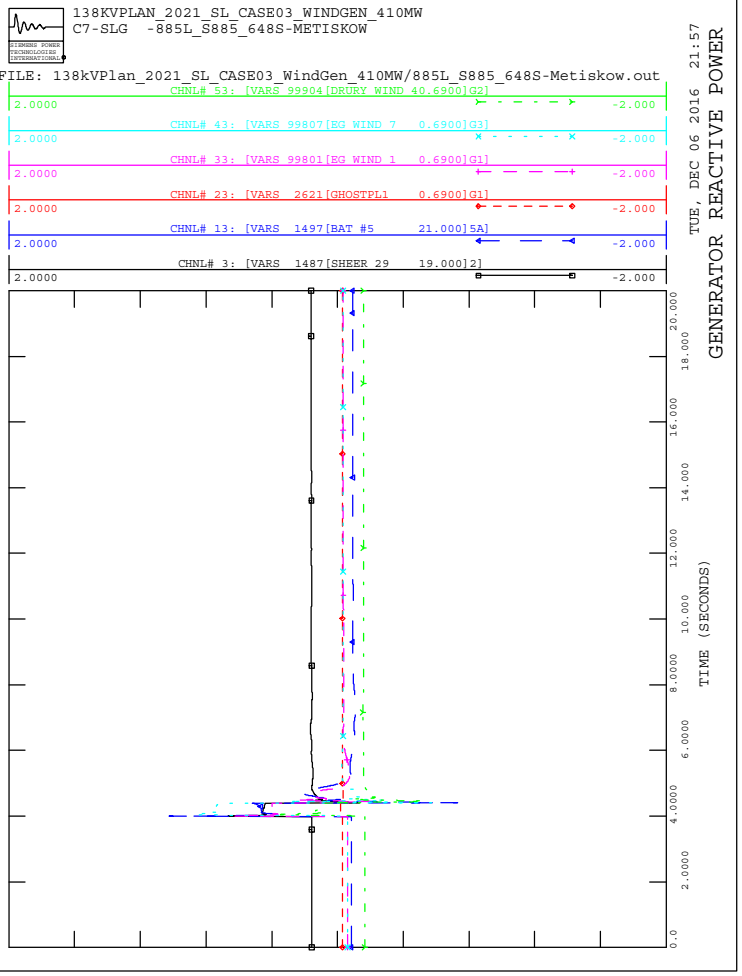
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S885_648S-METISKOW
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CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
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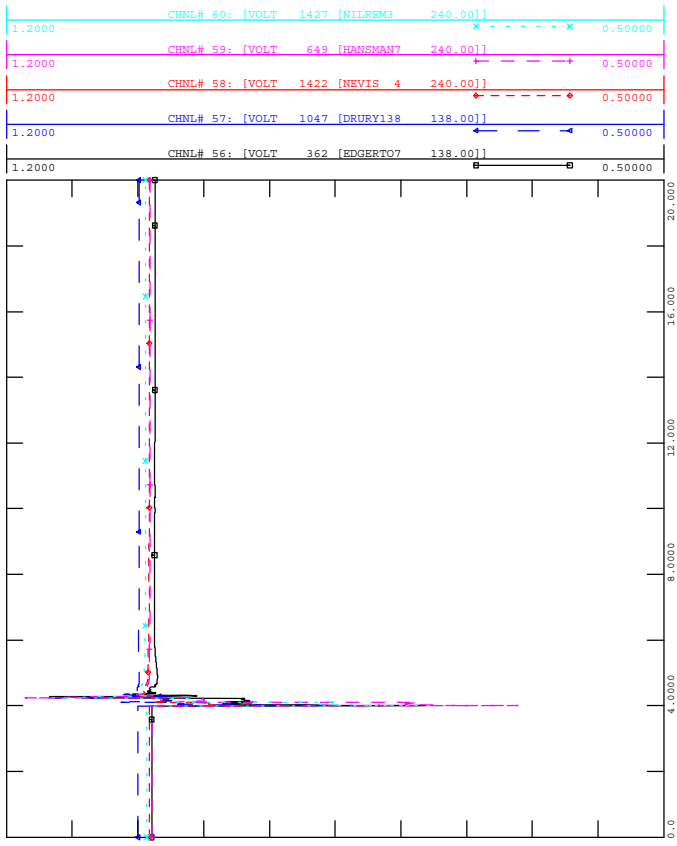
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -954L_S29_648S-METISKOW

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S29_648S-Metiskow.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE



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C7-SLG -954L_S29_648S-METISKOW

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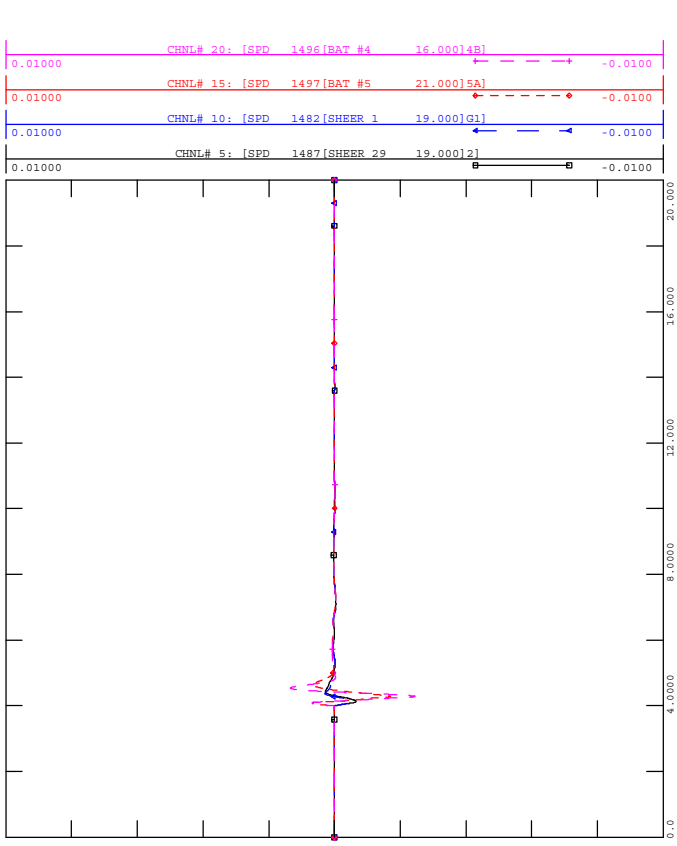
MACHINE SPEED



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C7-SLG -954L_S29_648S-METISKOW

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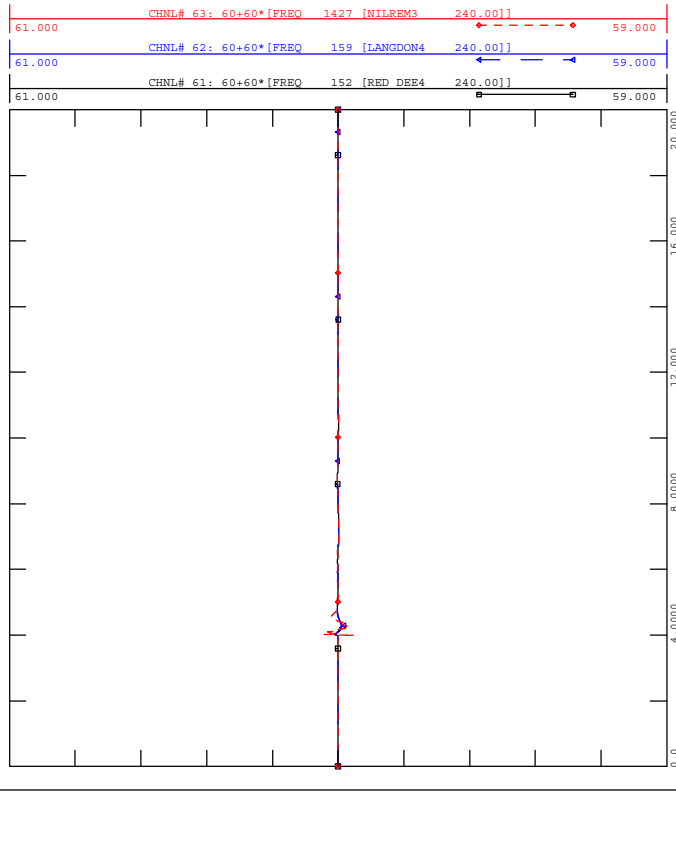

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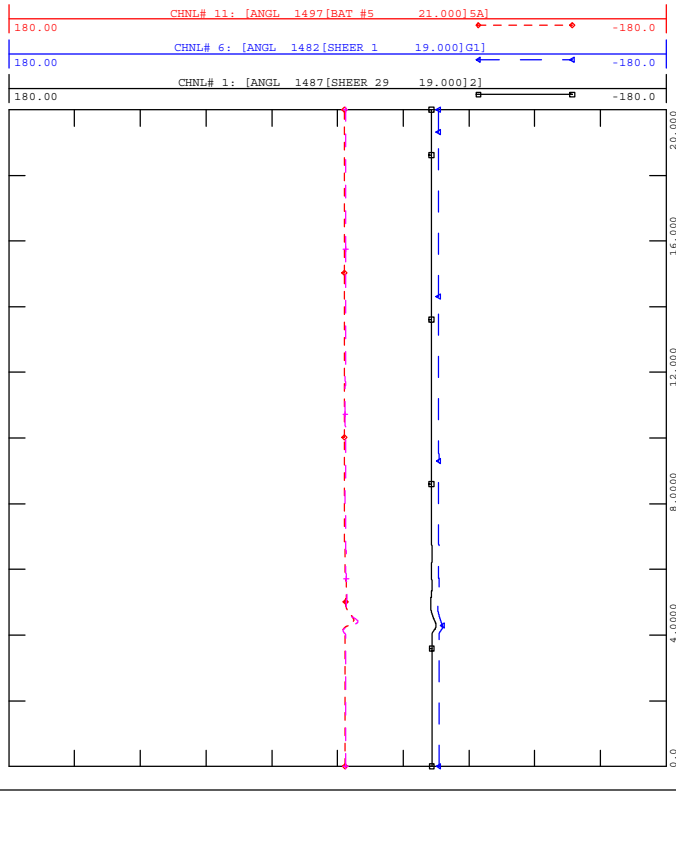
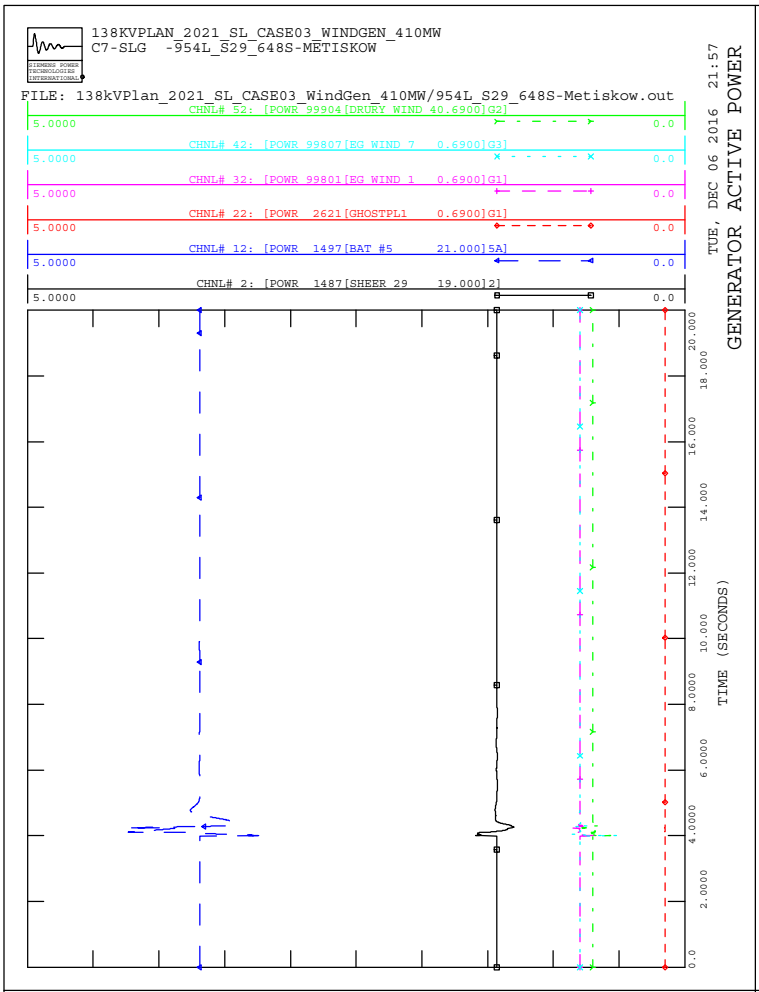
C7-SLG -954L_S29_648S-METISKOW

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S29_648S-Metiskow.out

TUE, DEC 06 2016 21:57

MACHINE ANGLE

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C7-SLG -954L_S29_648S-METISKOW
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
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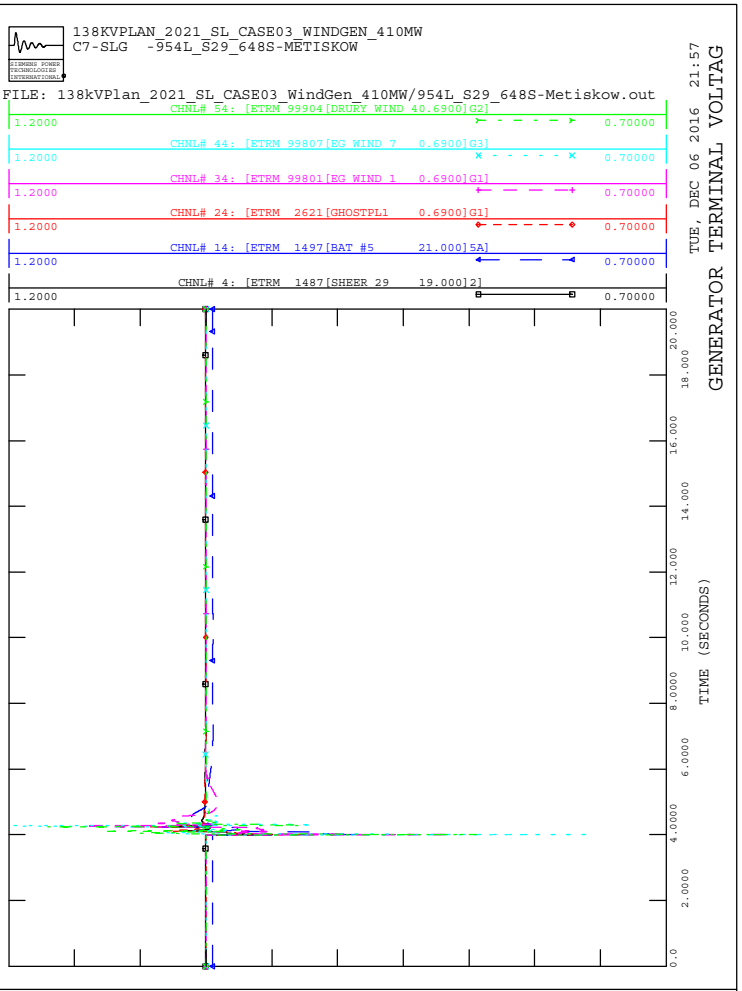
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -954L_S29_648S-METISKOW
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S29_648S-Metiskow.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
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10.000
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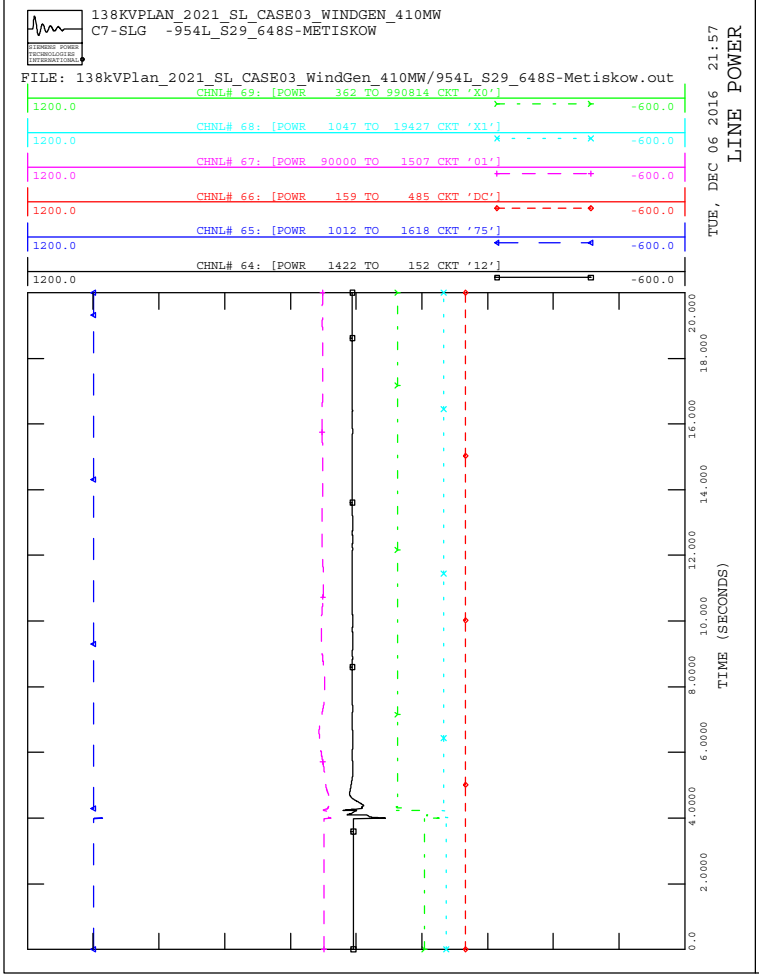
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -954L_S29_648S-METISKOW
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S29_648S-Metiskow.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
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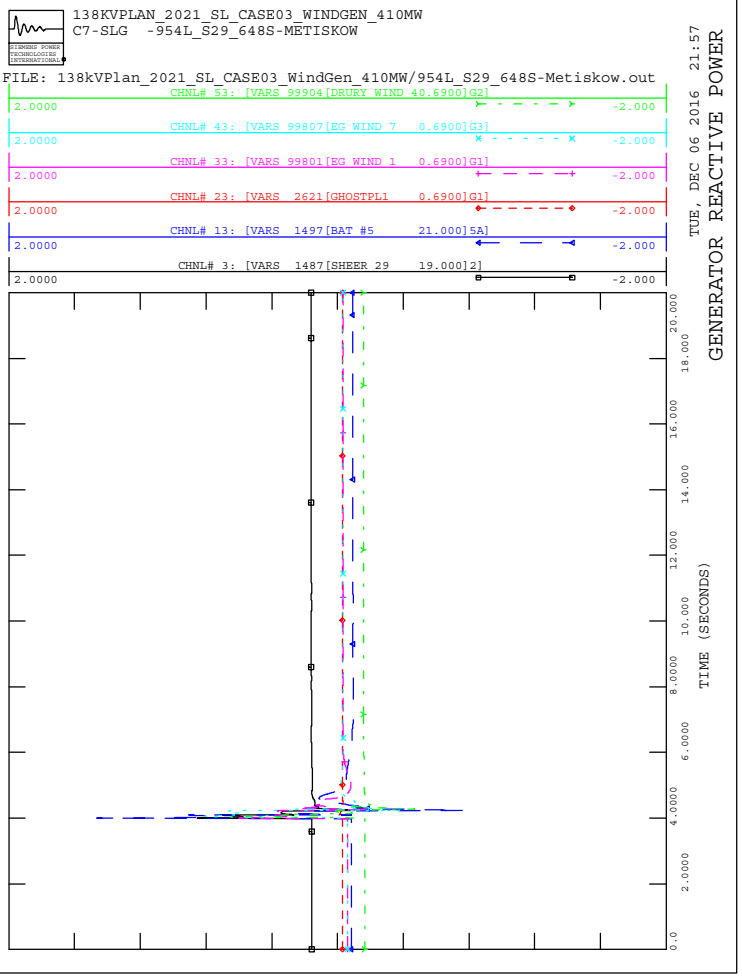
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -954L_S29_648S-METISKOW
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S29_648S-Metiskow.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
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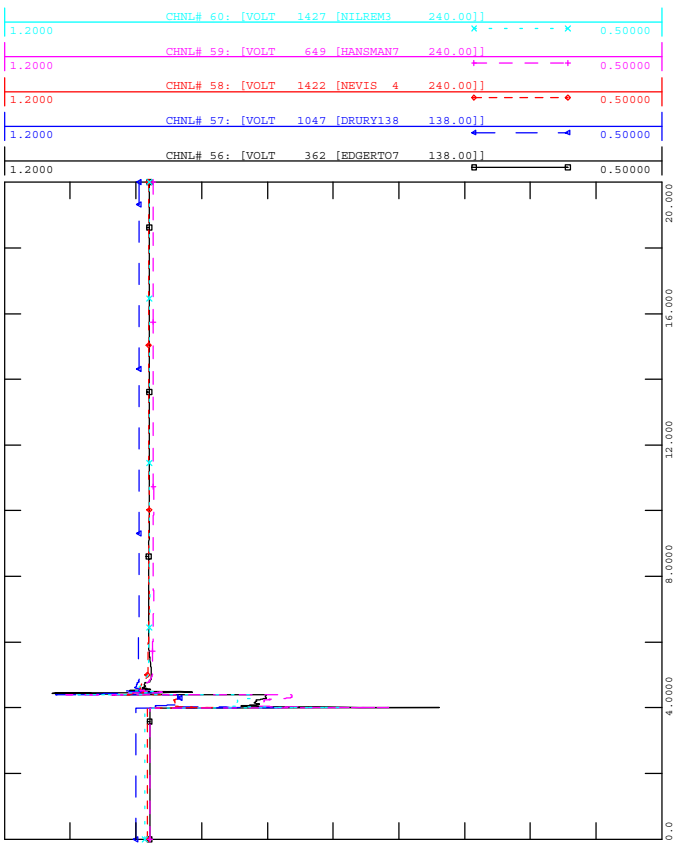
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/715L_S1352_650S-Hansman Lake

TUE, DEC 06 2016 21:57

BUS VOLTAGE

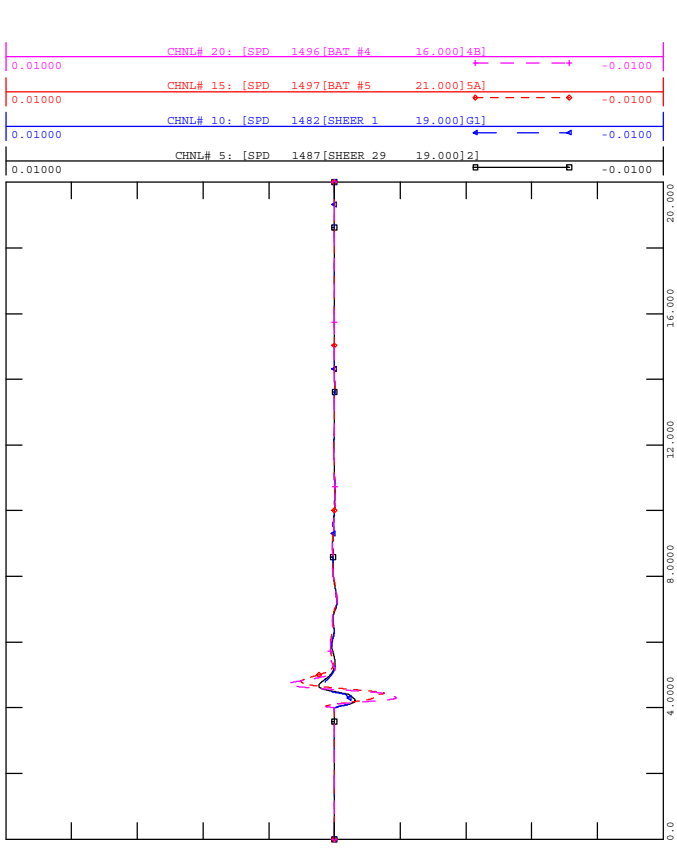


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/715L_S1352_650S-Hansman Lake

TUE, DEC 06 2016 21:57

MACHINE SPEED

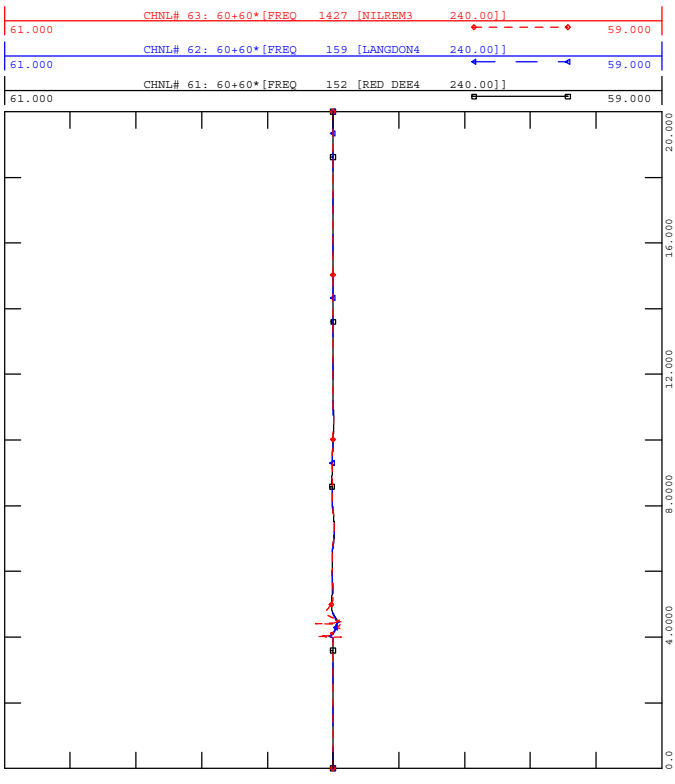


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/715L_S1352_650S-Hansman Lake

TUE, DEC 06 2016 21:57

FREQUENCY

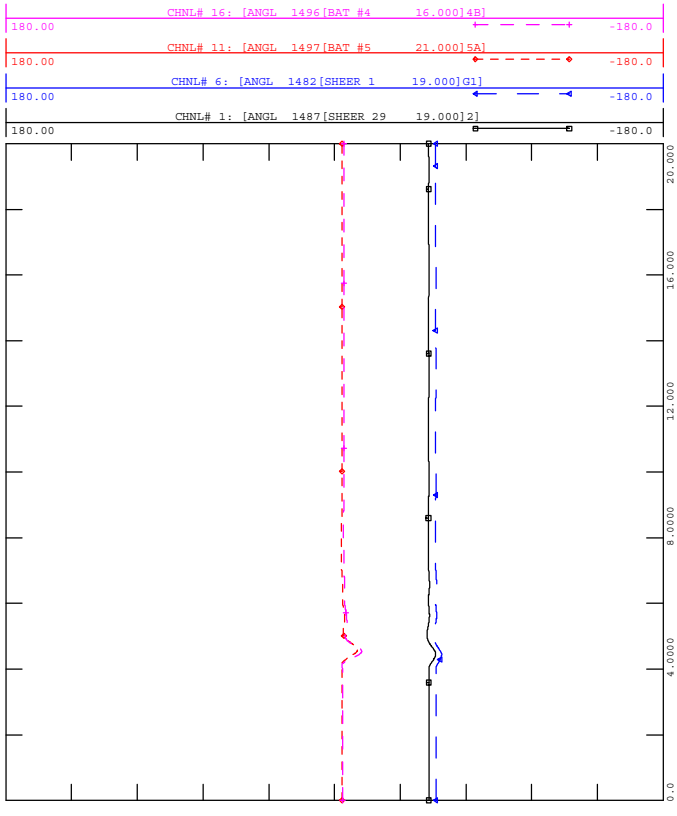


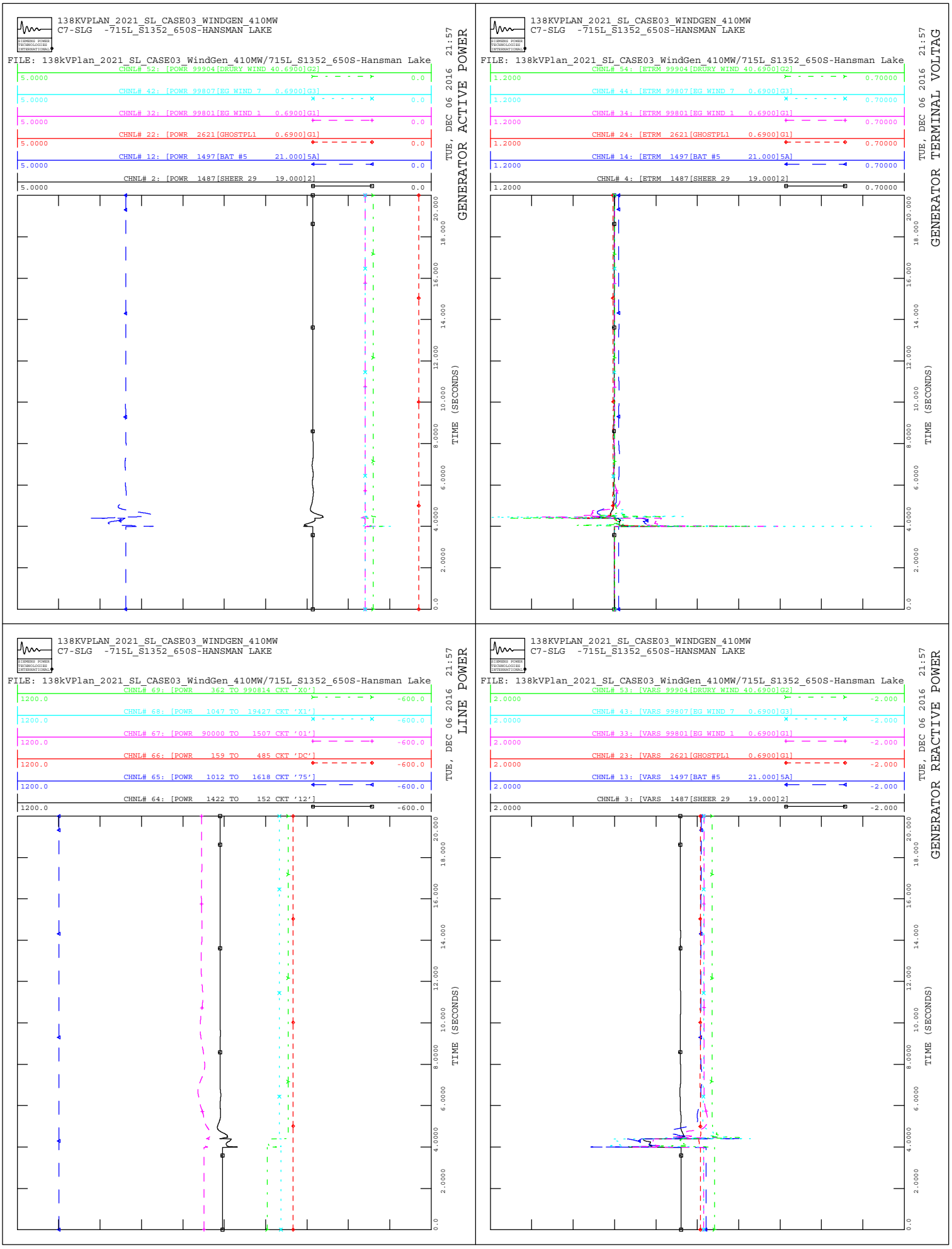
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/715L_S1352_650S-Hansman Lake

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/715L_S1352_650S-Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
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16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/715L_S1352_650S-Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/715L_S1352_650S-Hansman Lake
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
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18.000
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138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/715L_S1352_650S-Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
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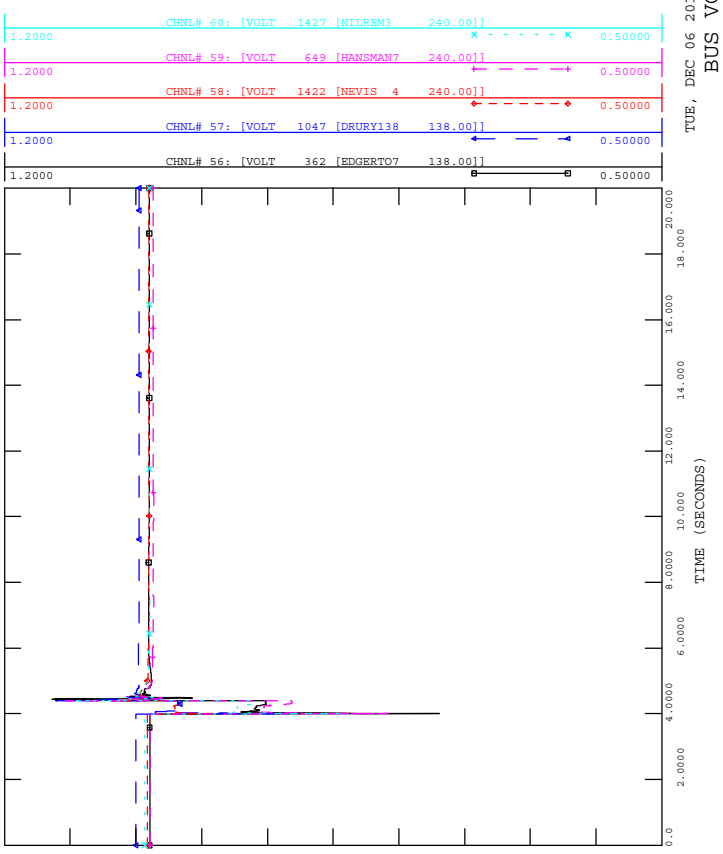
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L224_S1752_650S-Hansman Lak

TUE, DEC 06 2016 21:57

BUS VOLTAGE

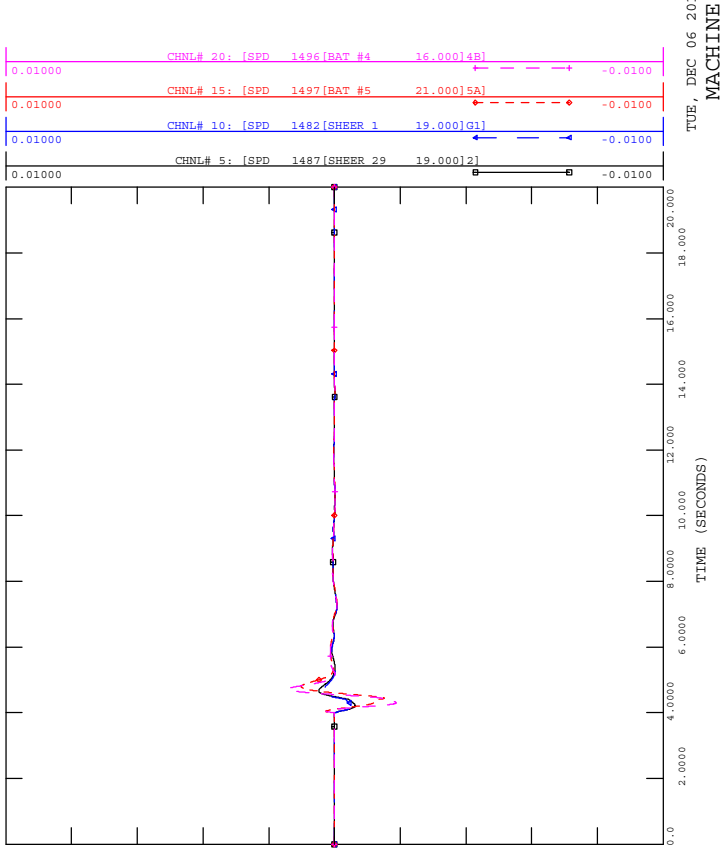


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L224_S1752_650S-Hansman Lak

TUE, DEC 06 2016 21:57

MACHINE SPEED



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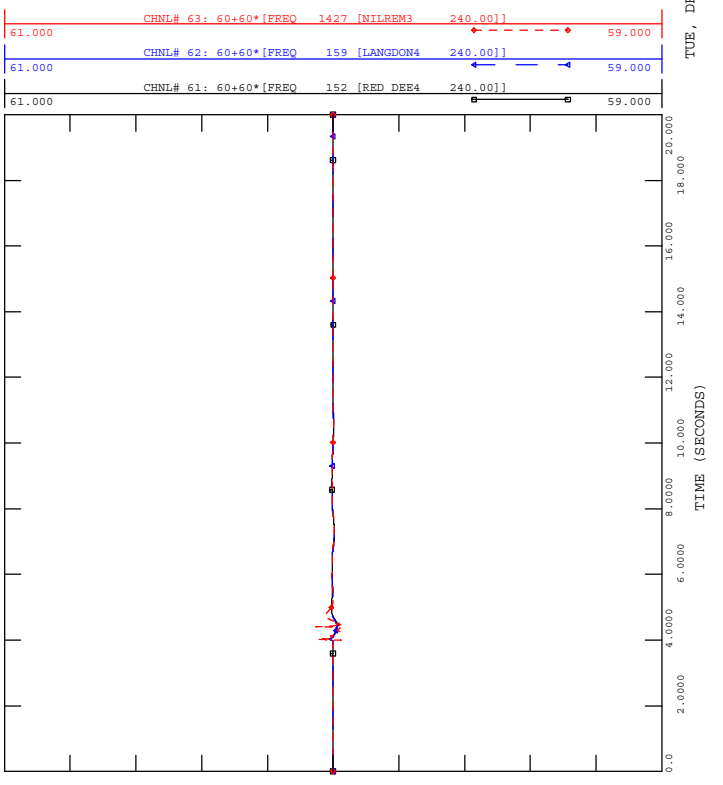
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L224_S1752_650S-Hansman Lak

TUE, DEC 06 2016 21:57

FREQUENCY

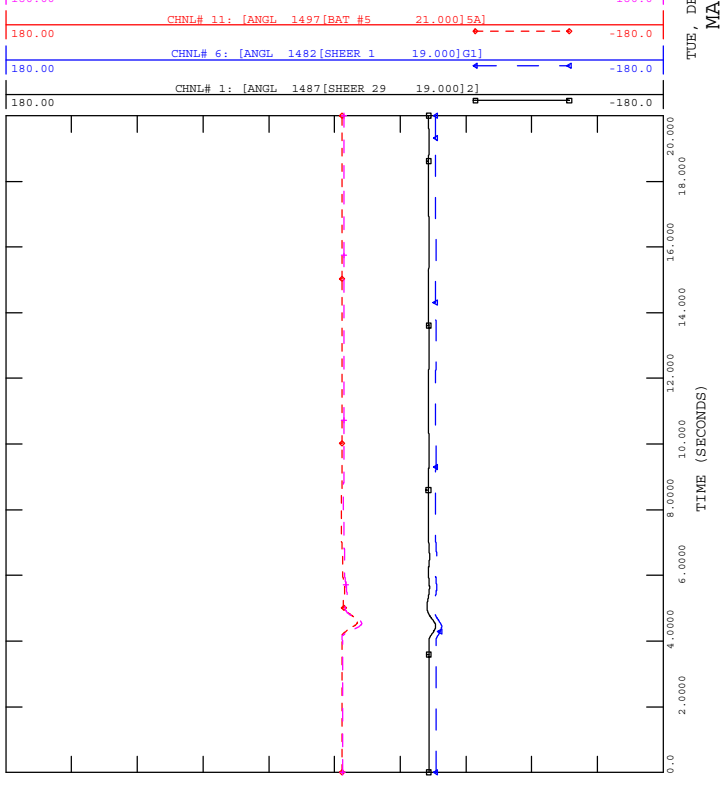


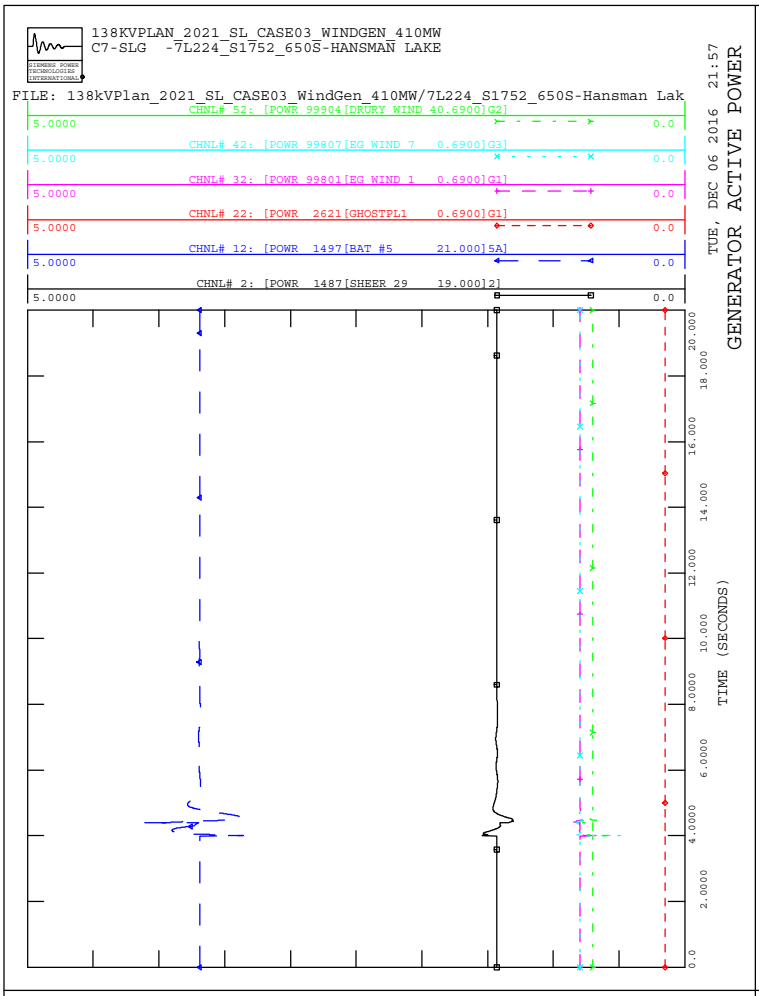
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L224_S1752_650S-Hansman Lak

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L224_S1752_650S-Hansman Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
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16.000
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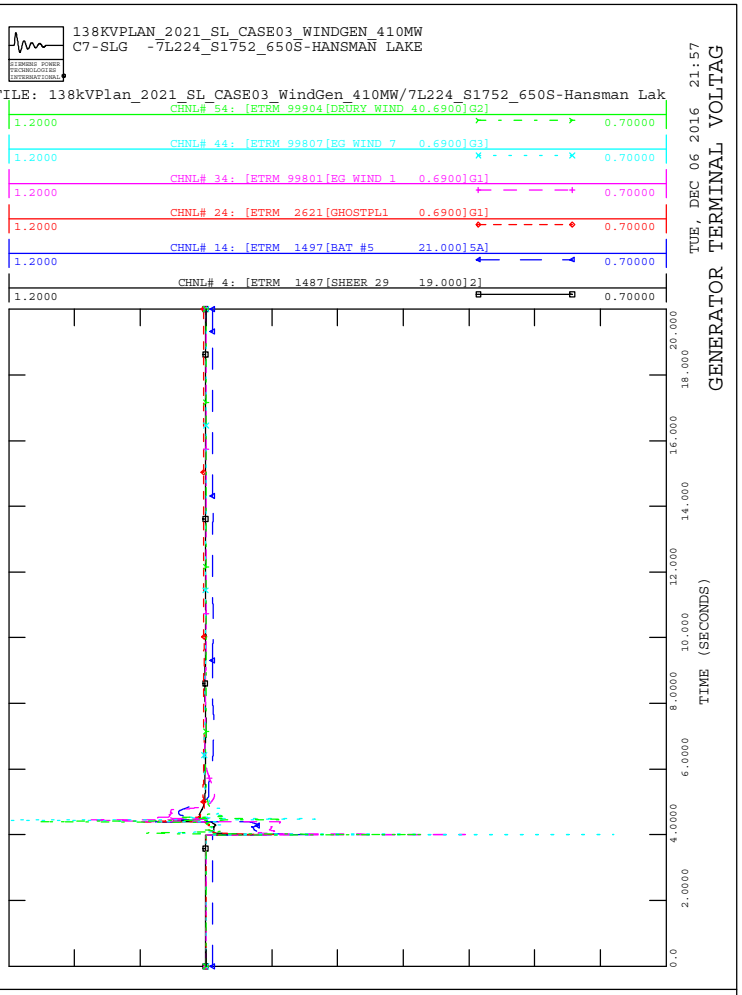
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L224_S1752_650S-Hansman Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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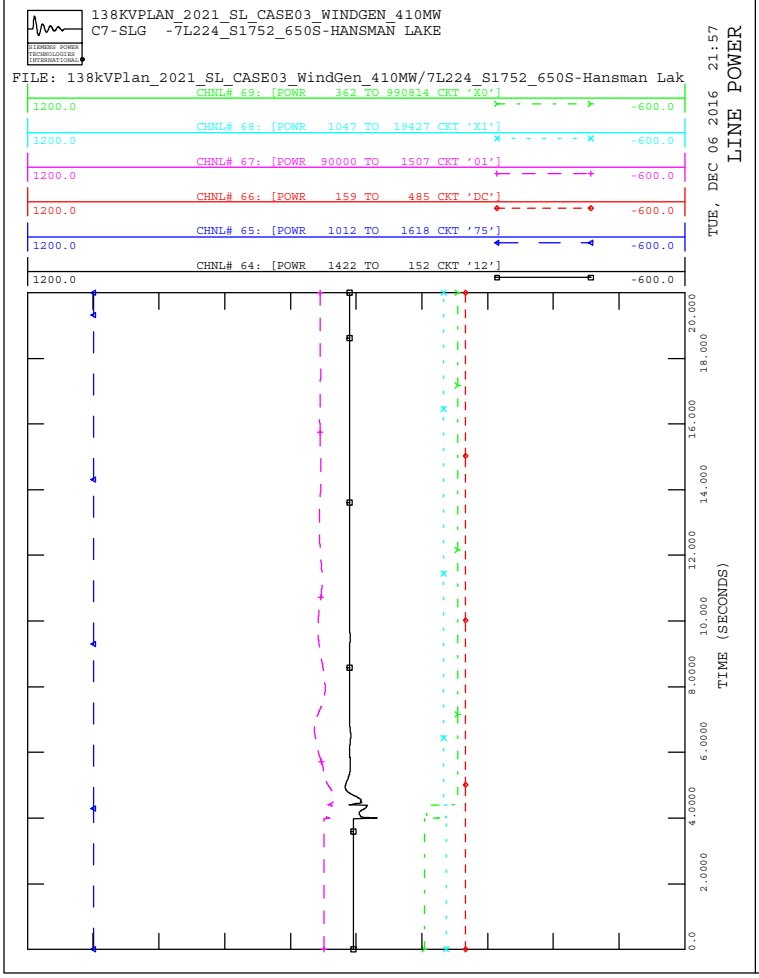
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L224_S1752_650S-Hansman Lak
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
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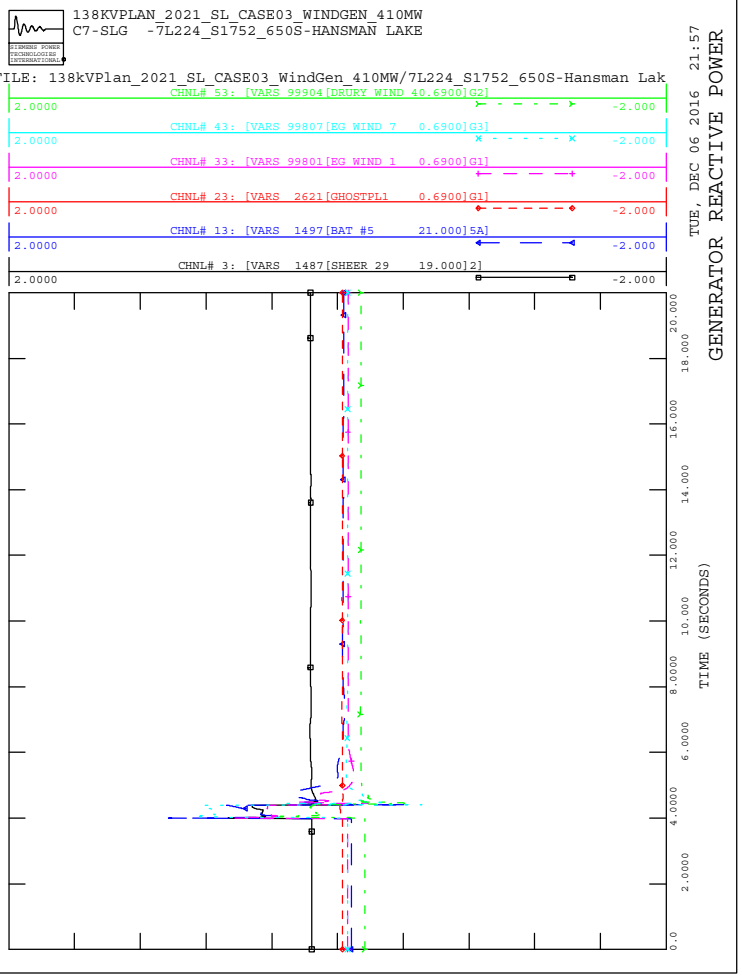
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C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L224_S1752_650S-Hansman Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
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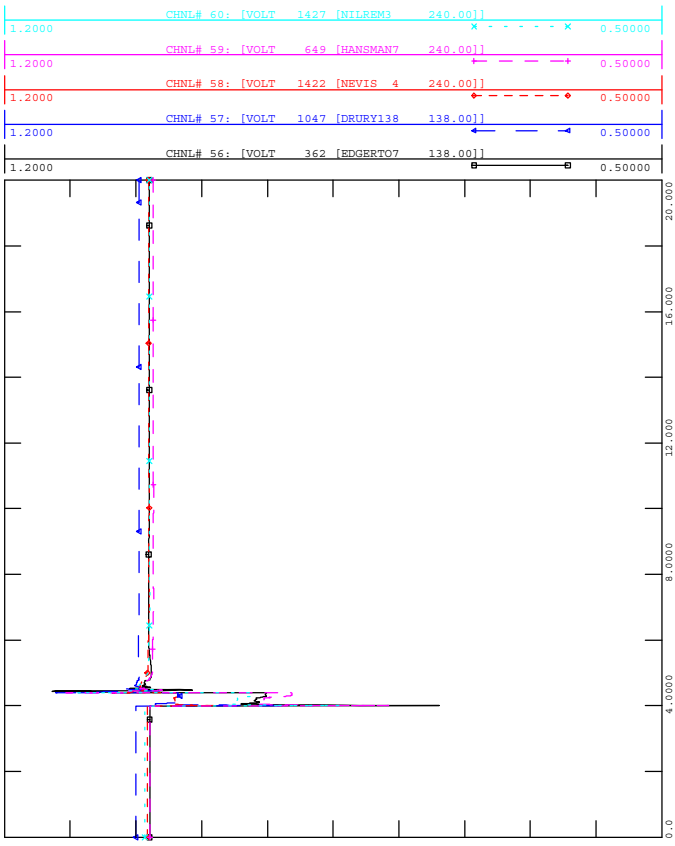
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_S1752_650S-Hansman Lake

TUE, DEC 06 2016 21:57

BUS VOLTAGE

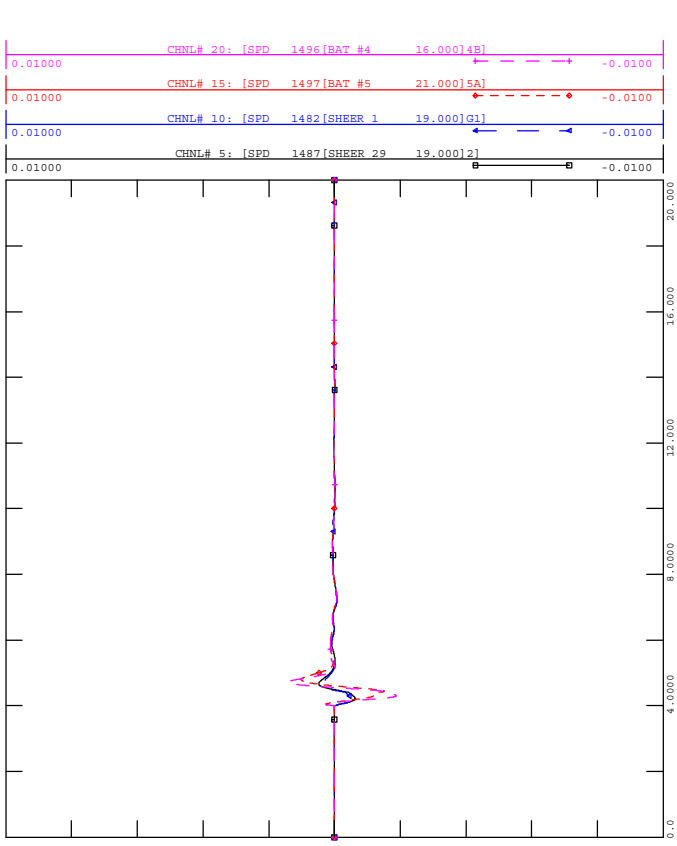


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_S1752_650S-Hansman Lake

TUE, DEC 06 2016 21:57

MACHINE SPEED

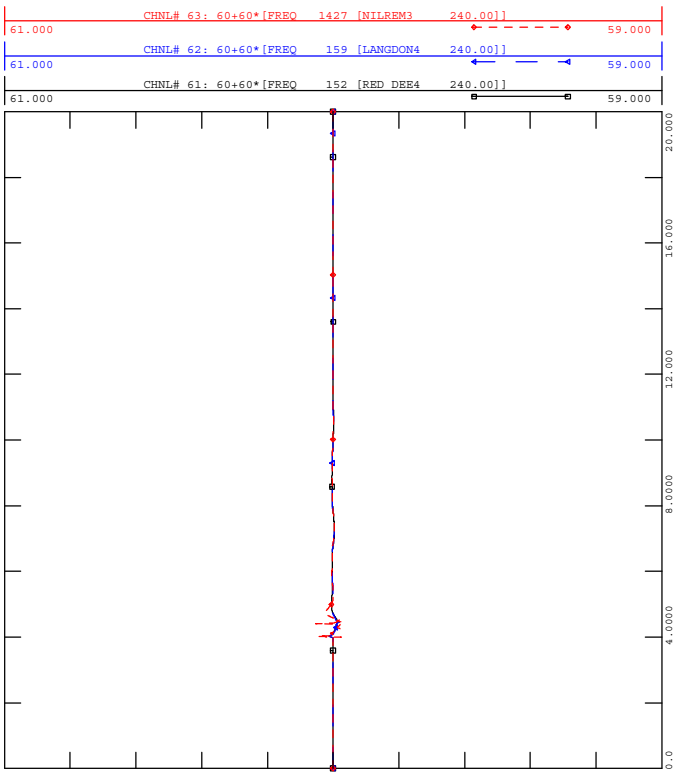


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_S1752_650S-Hansman Lake

TUE, DEC 06 2016 21:57

FREQUENCY

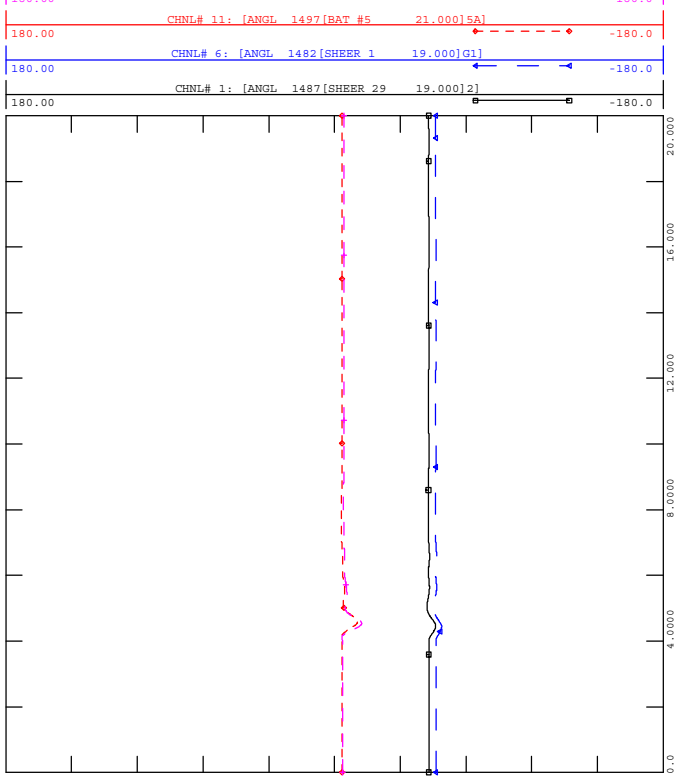


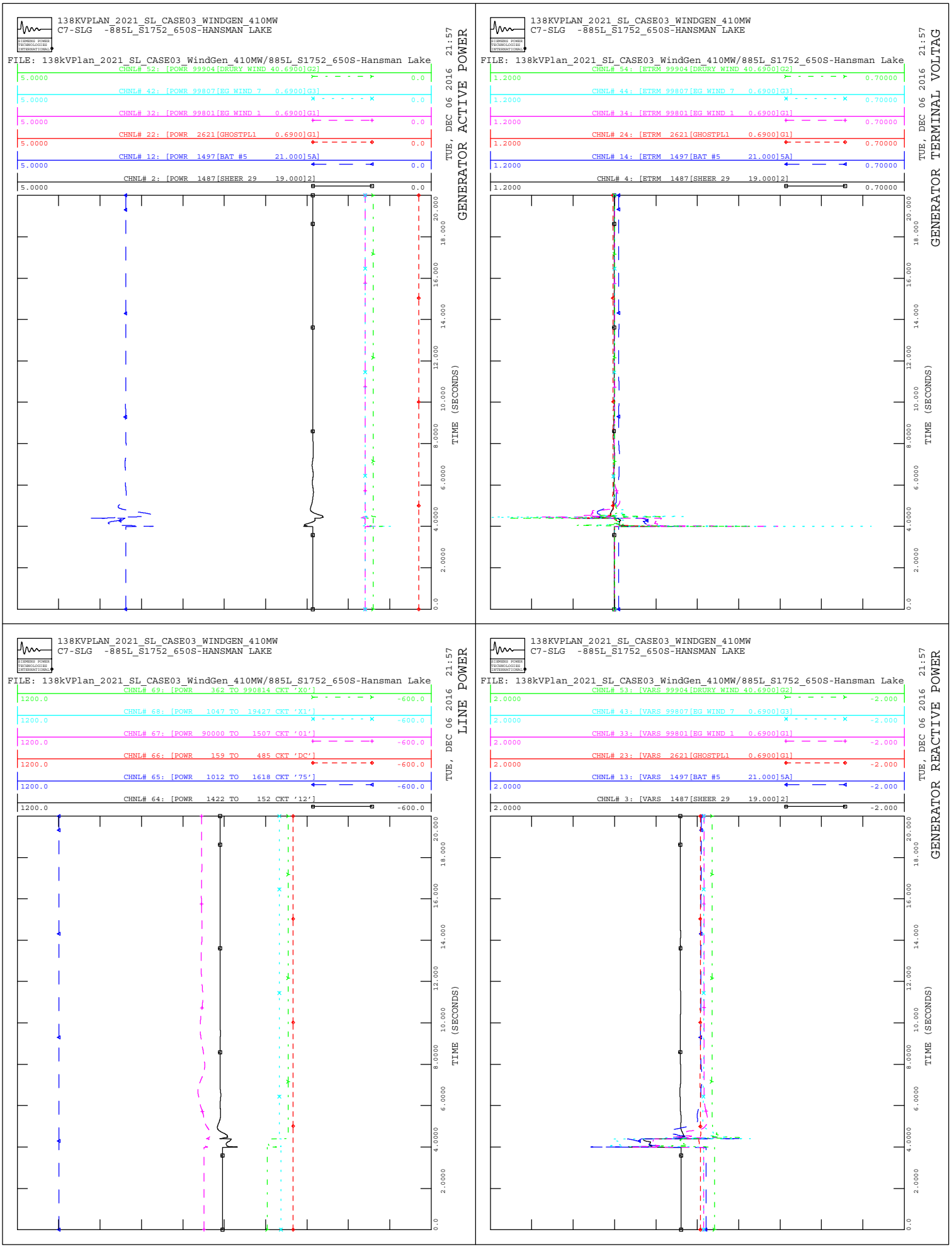
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_S1752_650S-Hansman Lake

TUE, DEC 06 2016 21:57

MACHINE ANGLE



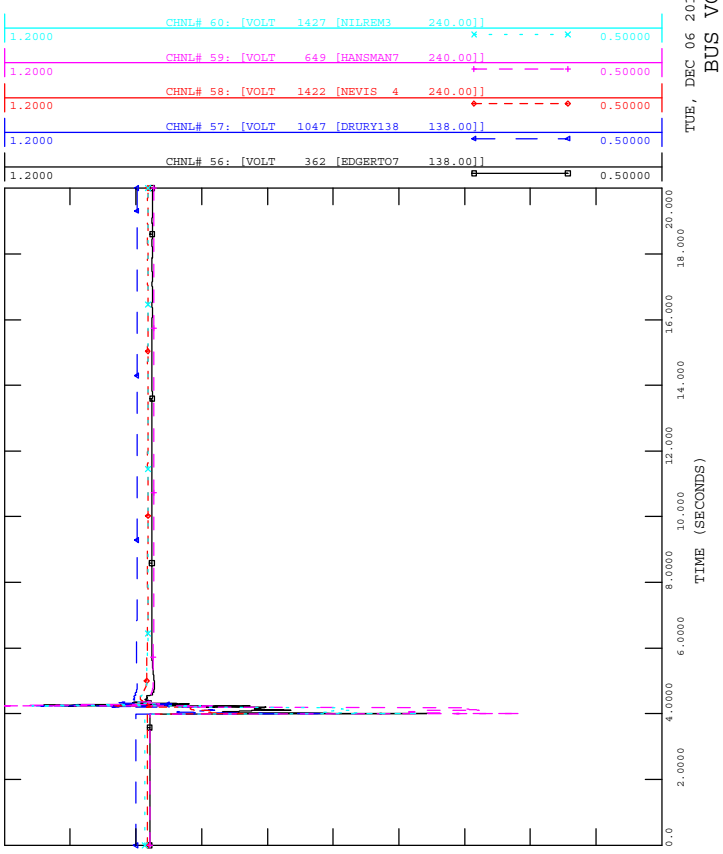

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_S1752_650S-Hansman Lake
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_S1752_650S-Hansman Lake
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_S1752_650S-Hansman Lake
TUE, DEC 06 2016 21:57
LINE POWER
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/885L_S1752_650S-Hansman Lake
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L_S852_650S-Hansman Lake.

TUE, DEC 06 2016 21:57

BUS VOLTAGE

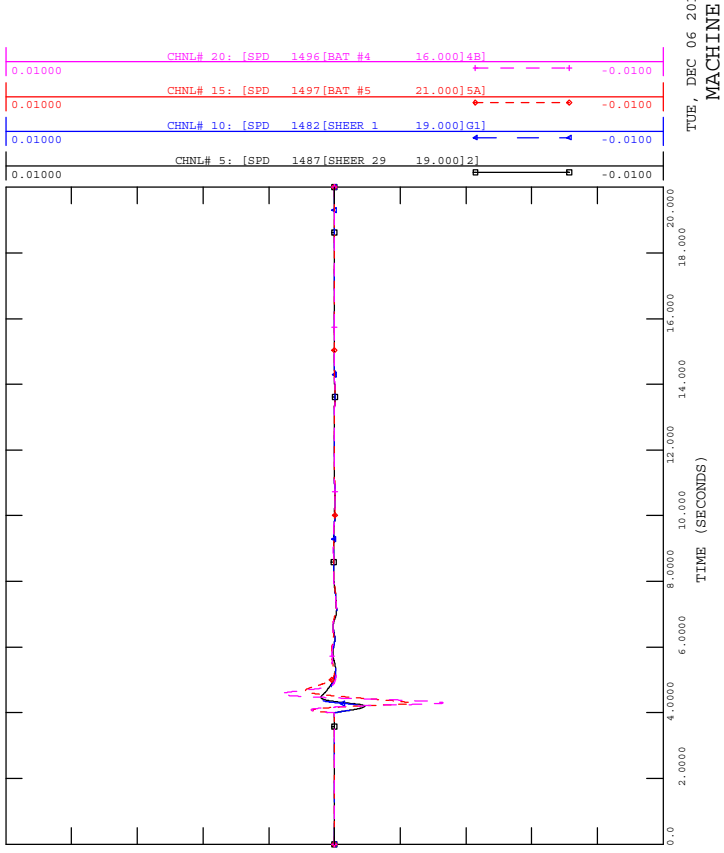


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L_S852_650S-Hansman Lake.

TUE, DEC 06 2016 21:57

MACHINE SPEED

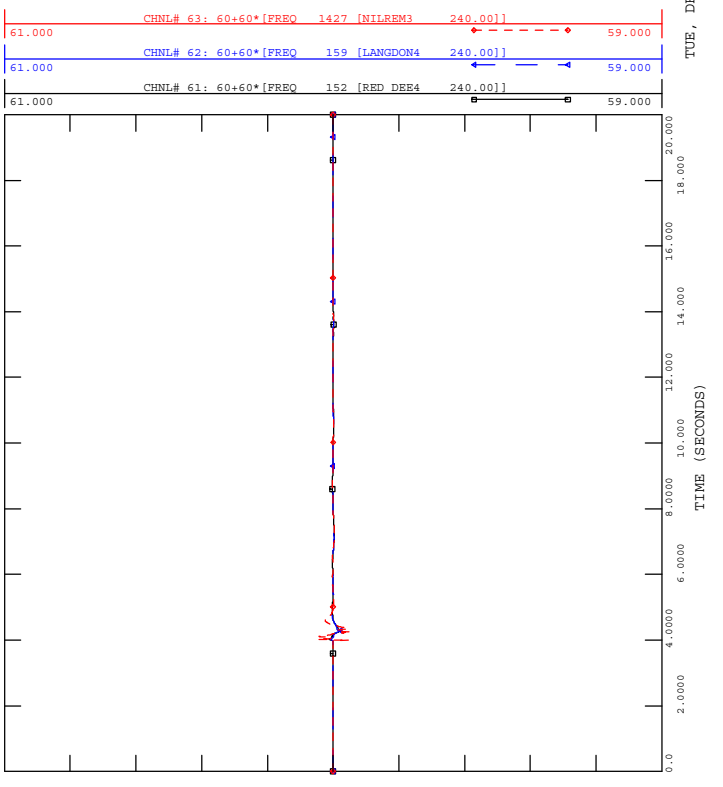


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L_S852_650S-Hansman Lake.

TUE, DEC 06 2016 21:57

FREQUENCY

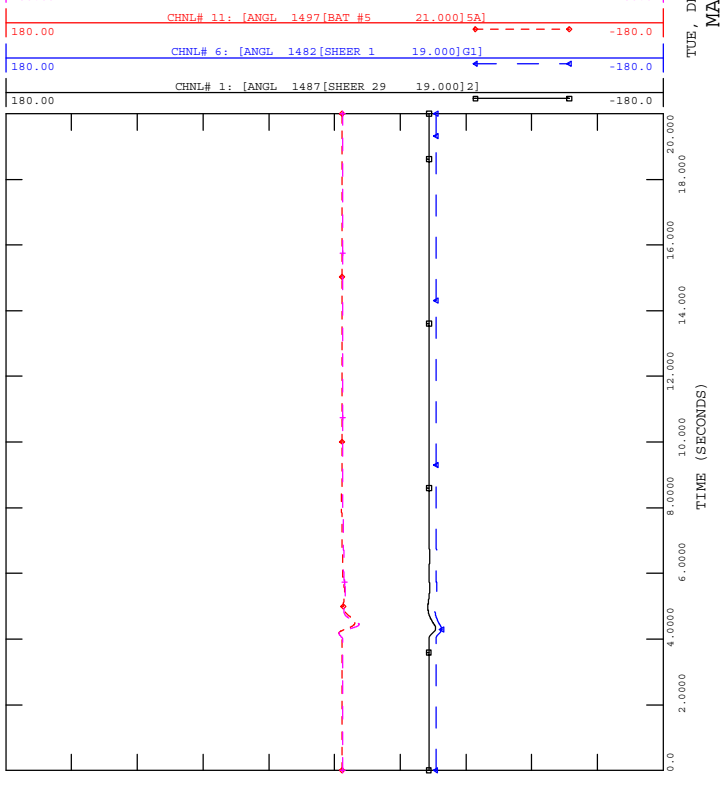


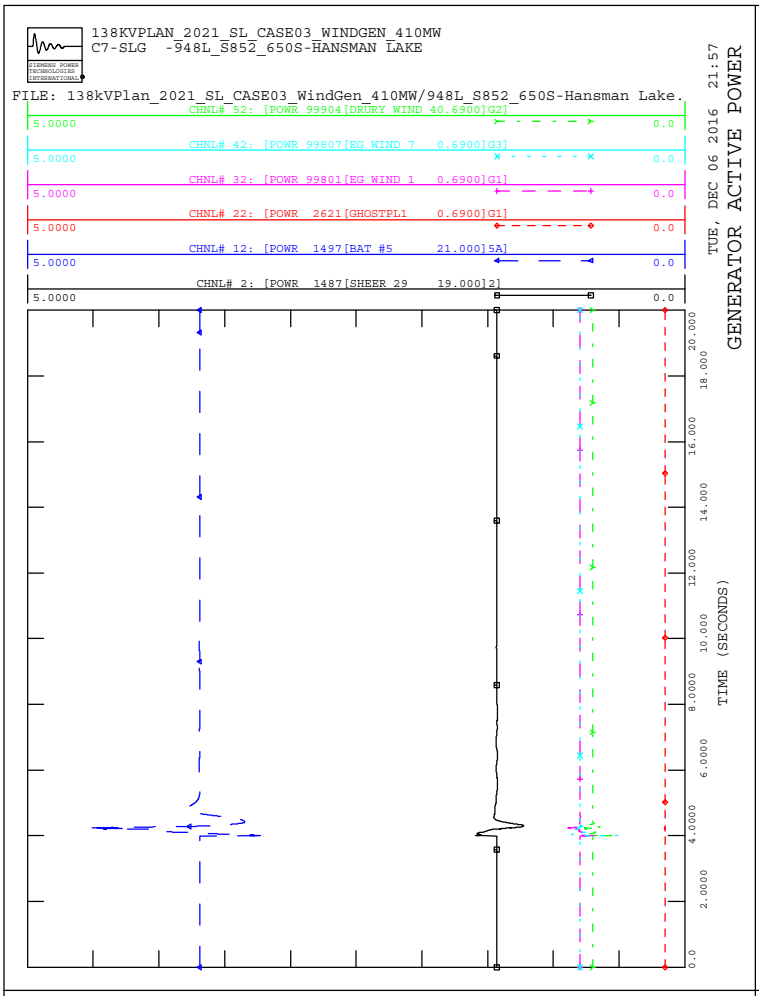
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

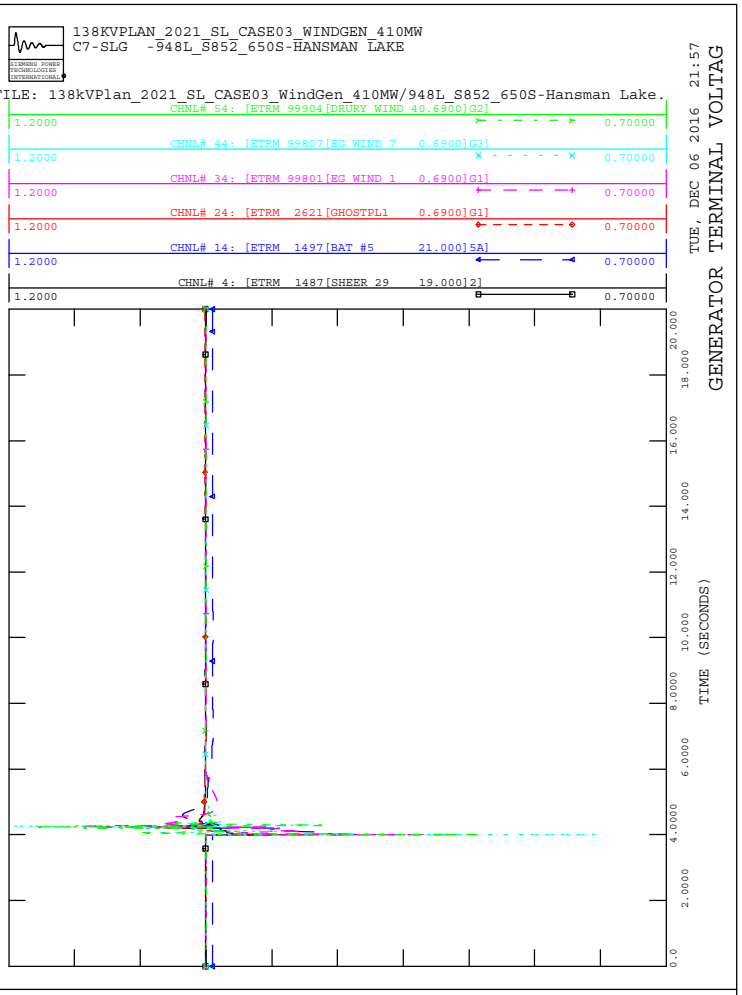
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L_S852_650S-Hansman Lake.

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L_S852_650S-Hansman Lake.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L_S852_650S-Hansman Lake.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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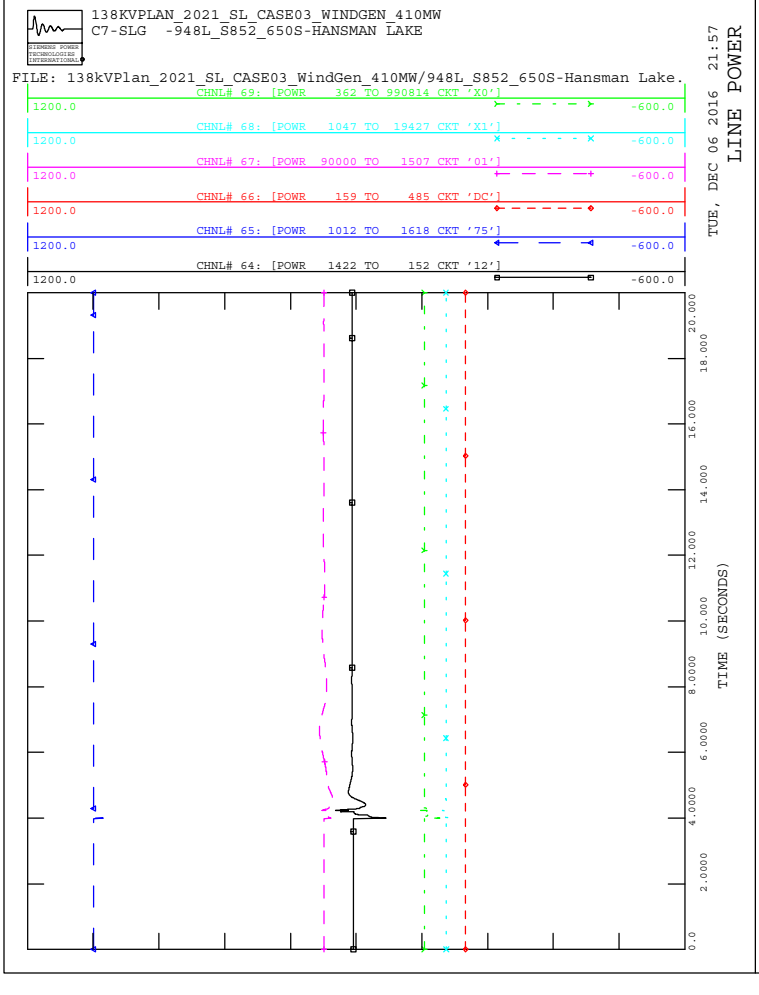
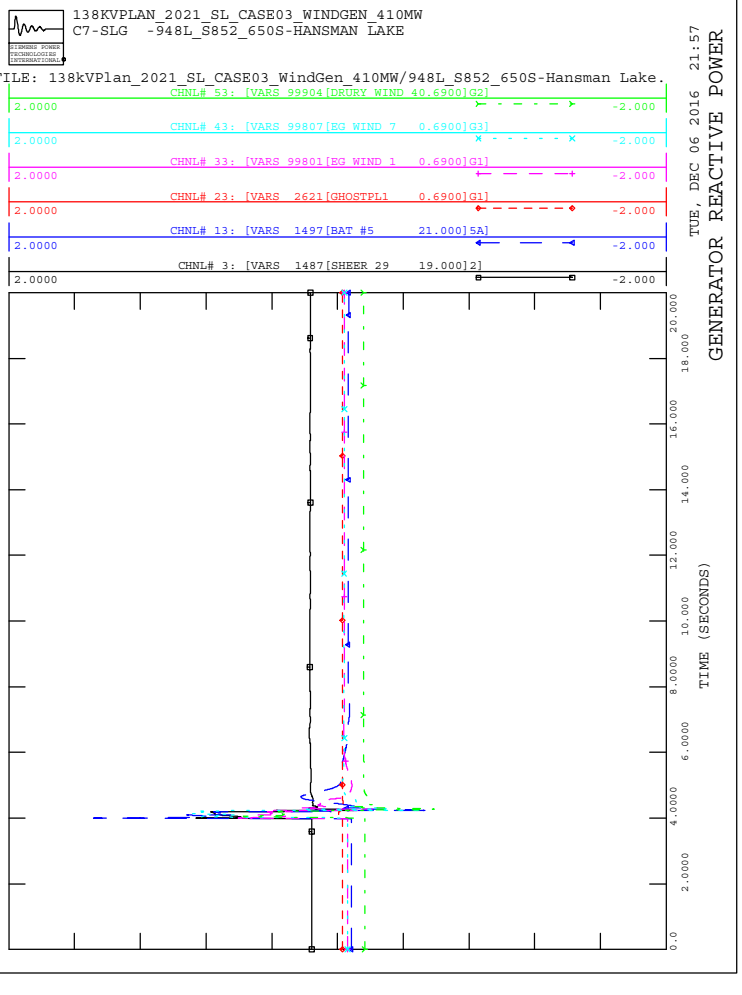
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L_S852_650S-Hansman Lake.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

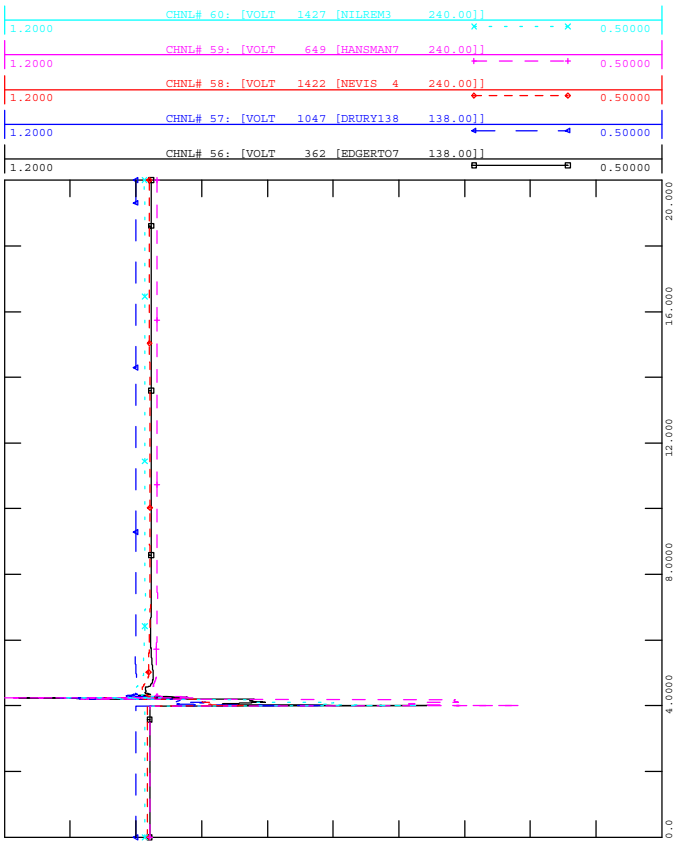

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/948L_S852_650S-Hansman Lake.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN_LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_S552_650S-Hansman Lake

TUE, DEC 06 2016 21:57

BUS VOLTAGE

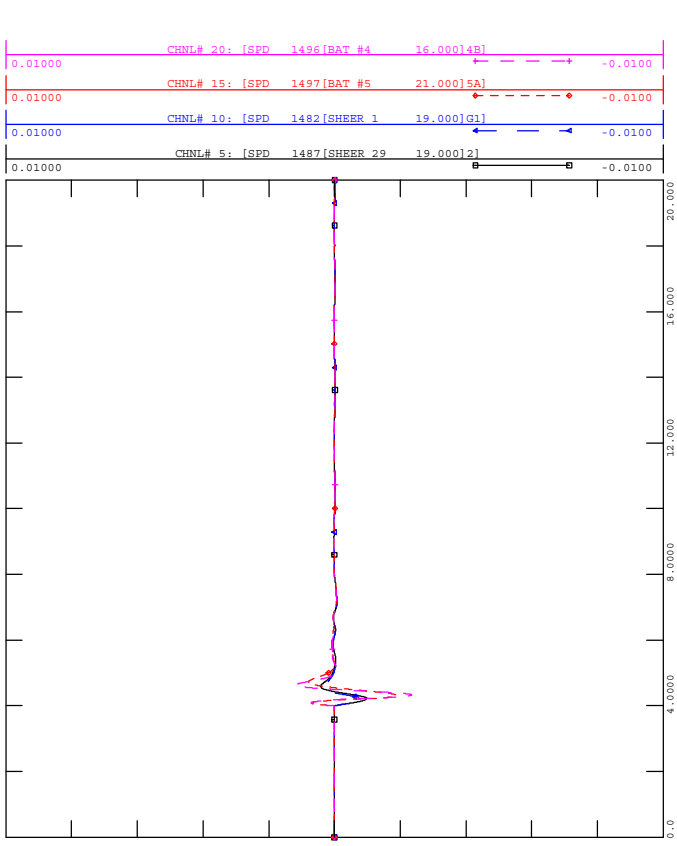


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN_LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_S552_650S-Hansman Lake

TUE, DEC 06 2016 21:57

MACHINE SPEED

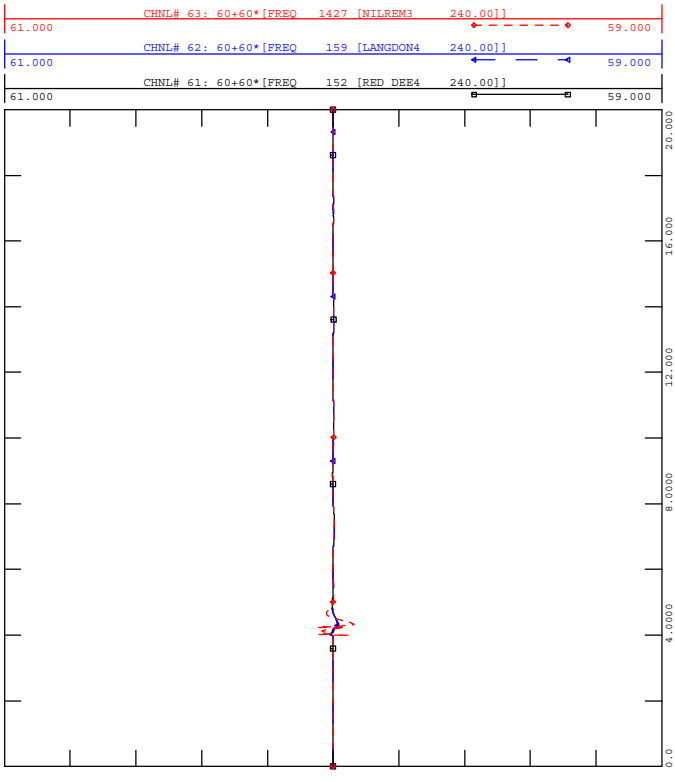


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN_LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_S552_650S-Hansman Lake

TUE, DEC 06 2016 21:57

FREQUENCY

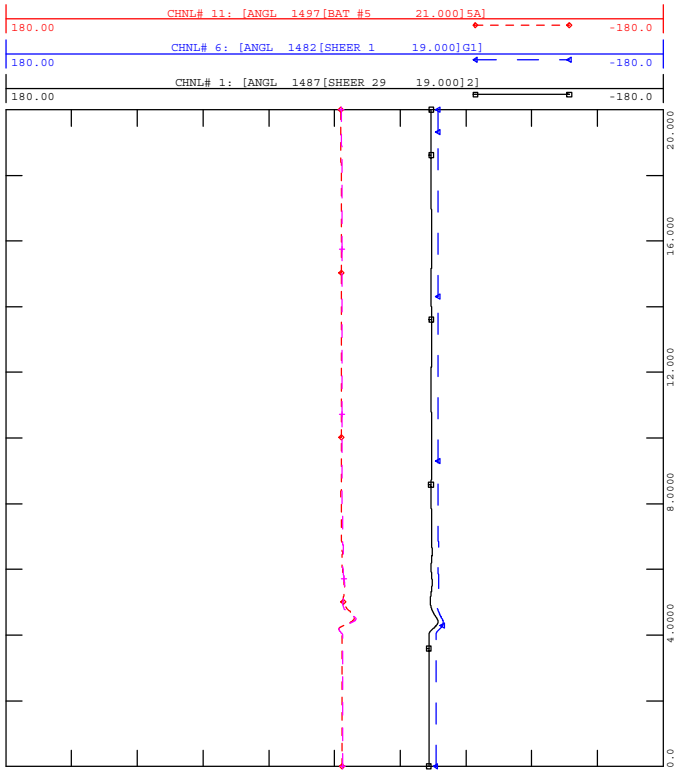


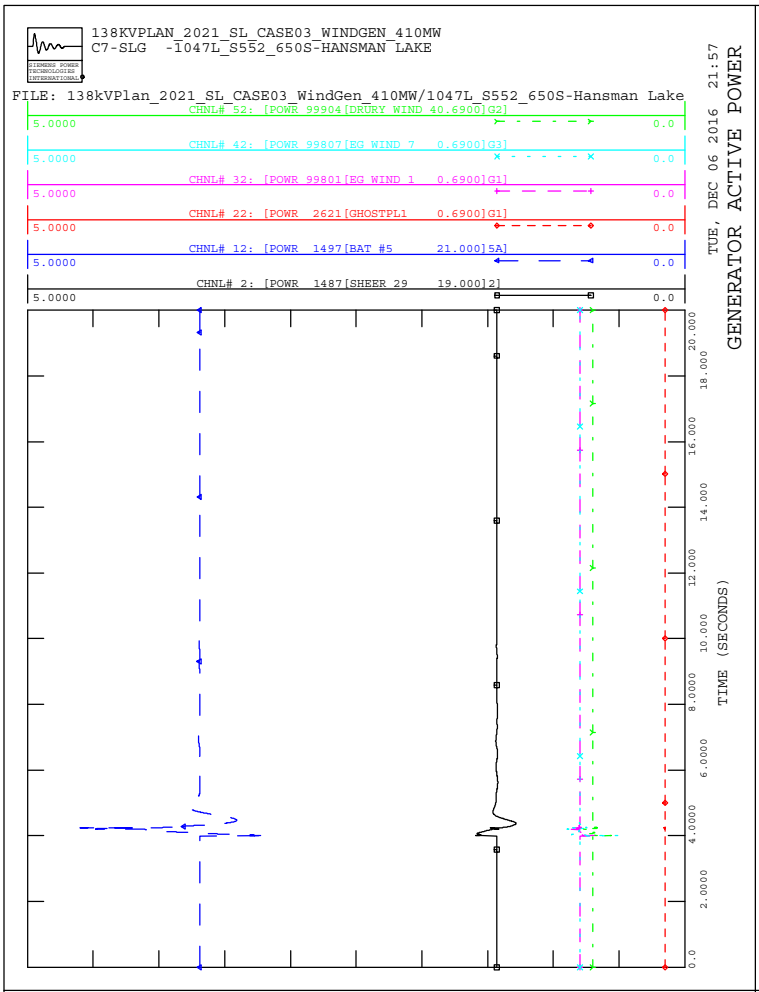
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN_LAKE

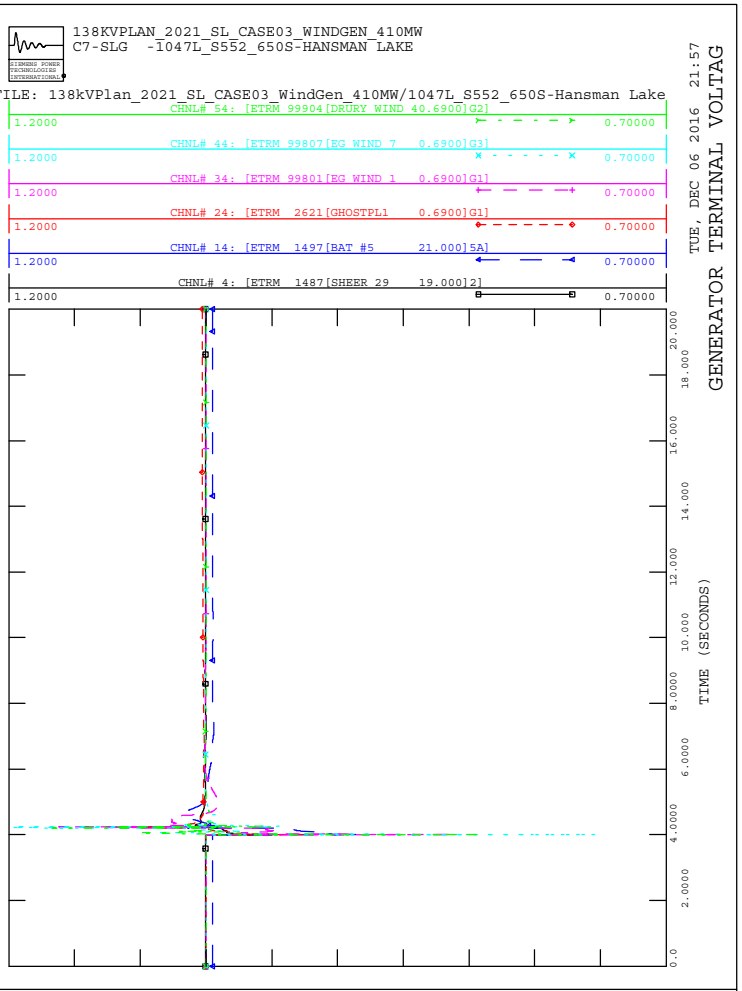
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_S552_650S-Hansman Lake

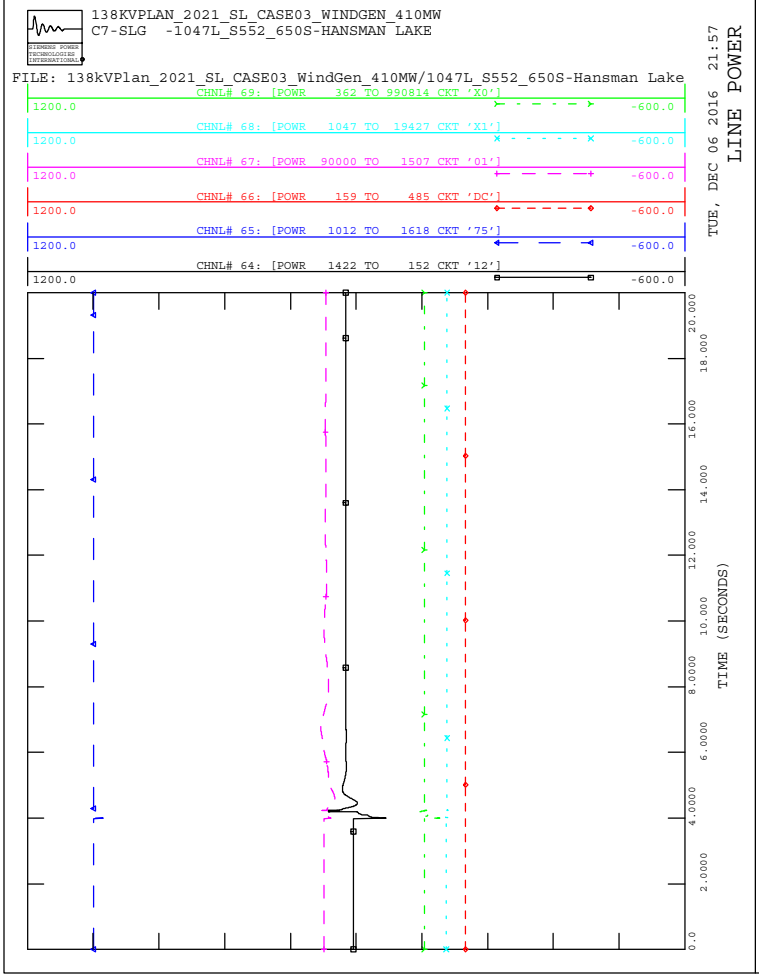
TUE, DEC 06 2016 21:57

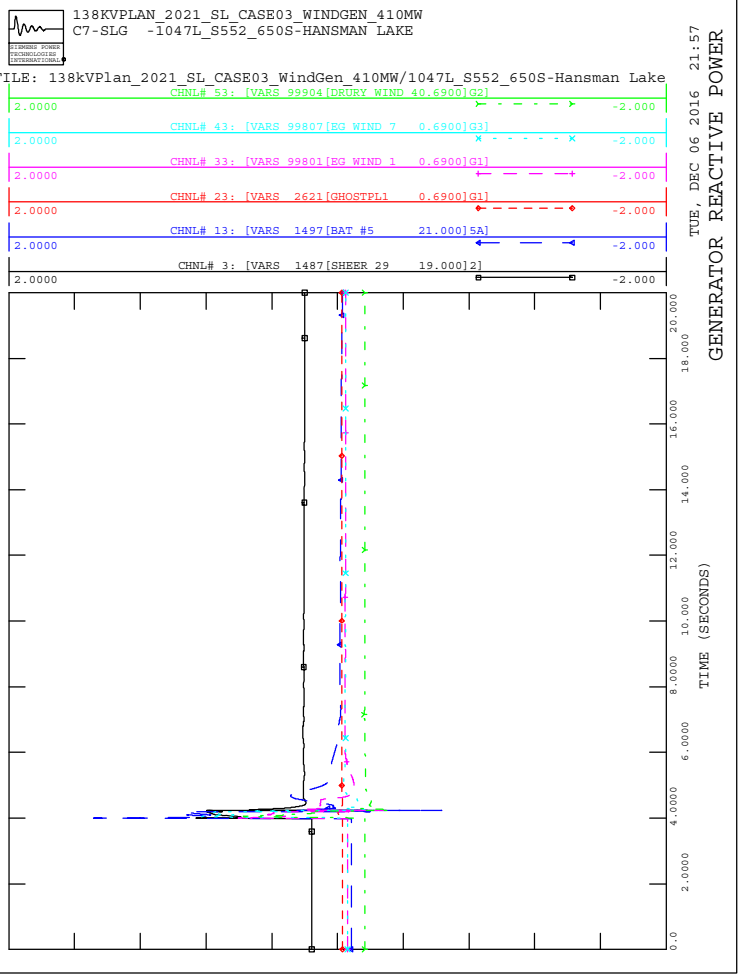
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_S552_650S-Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_S552_650S-Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_S552_650S-Hansman Lake
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)

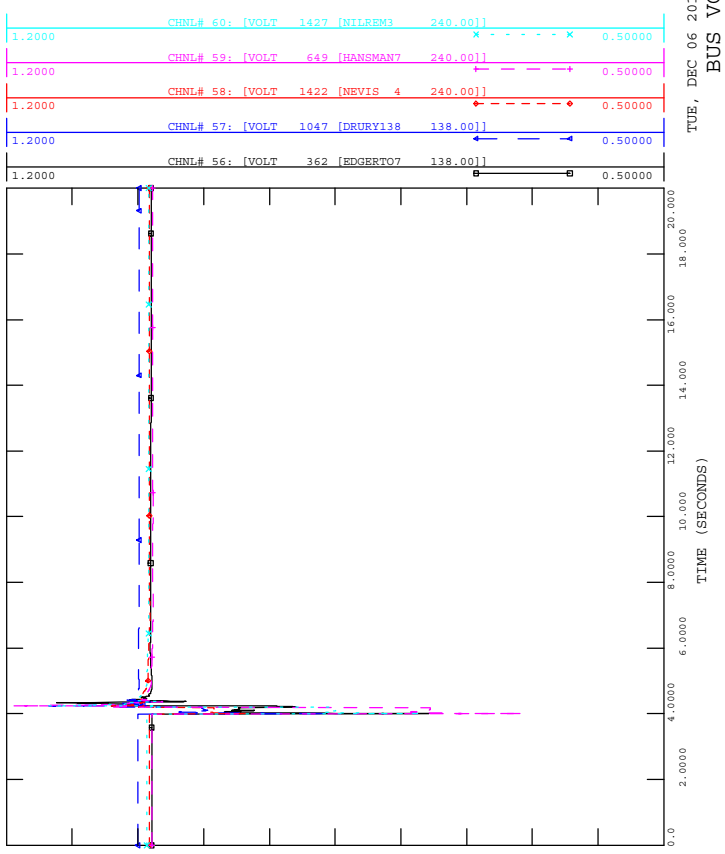

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_S552_650S-Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S752_650S-Hansman Lake.

TUE, DEC 06 2016 21:57

BUS VOLTAGE

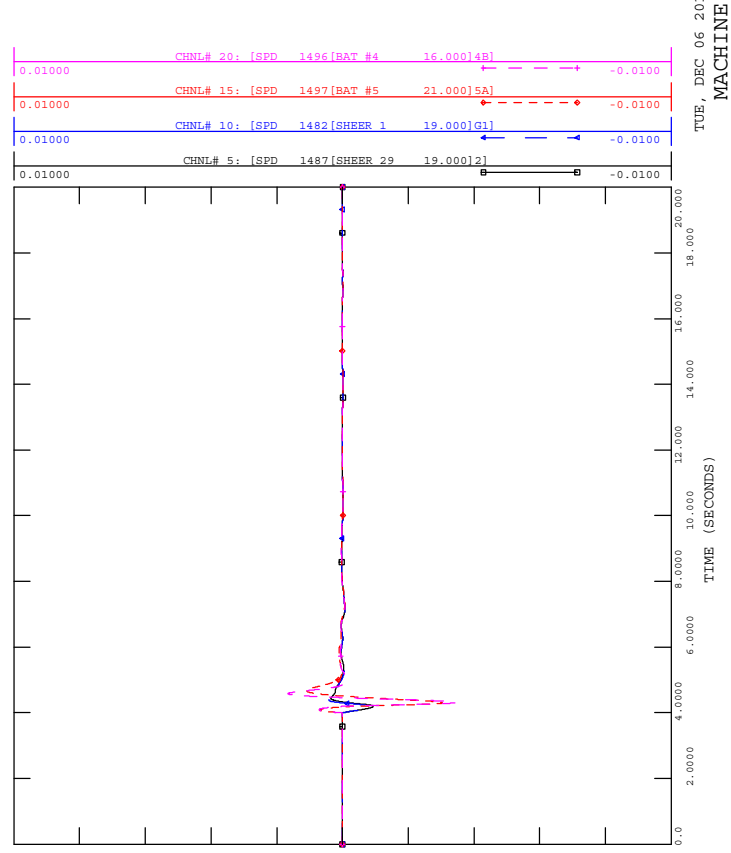


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S752_650S-Hansman Lake.

TUE, DEC 06 2016 21:57

MACHINE SPEED

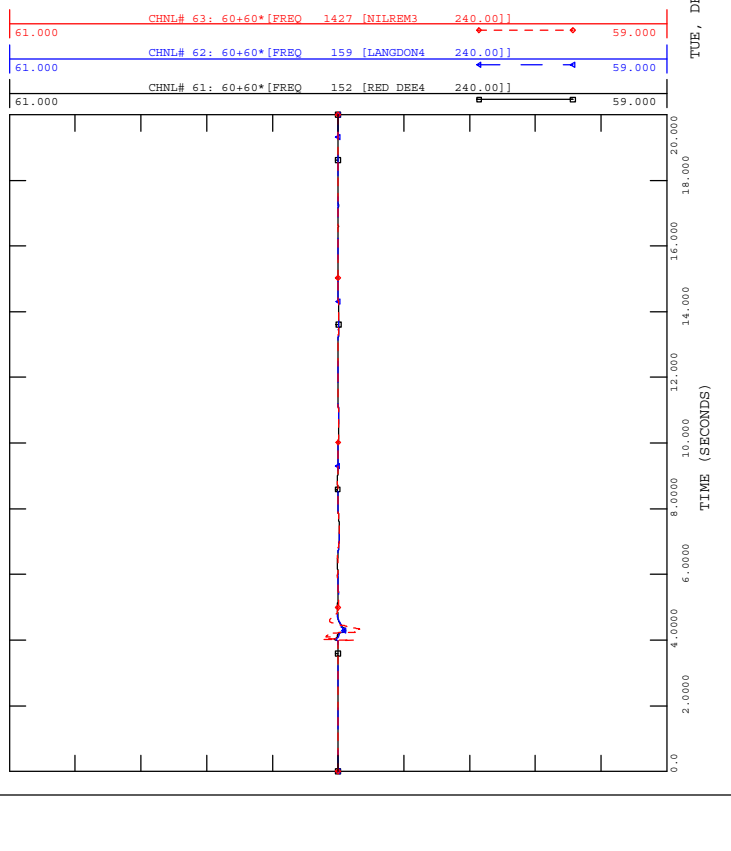


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S752_650S-Hansman Lake.

TUE, DEC 06 2016 21:57

FREQUENCY

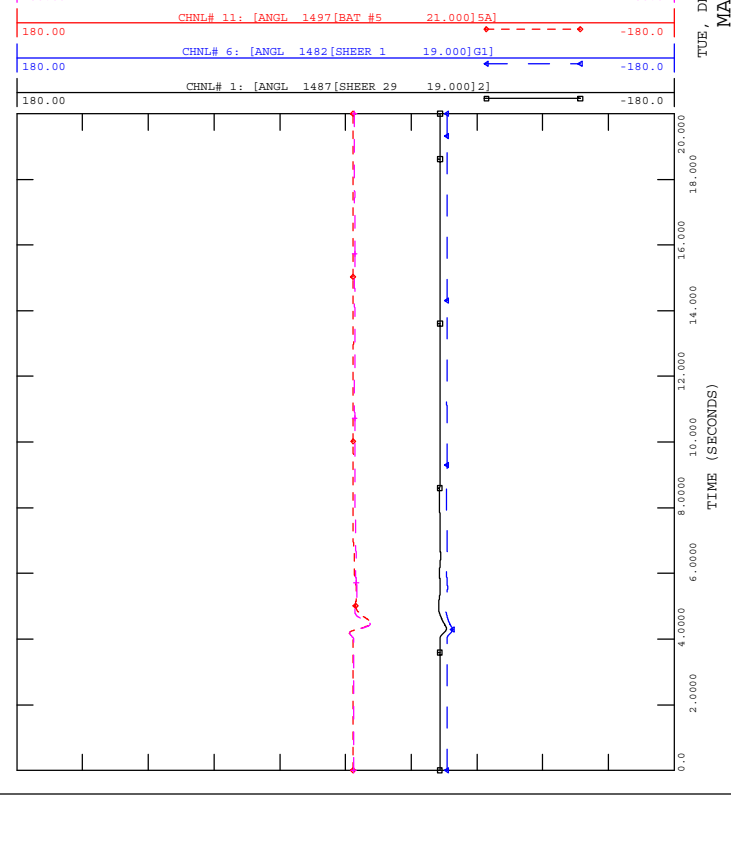


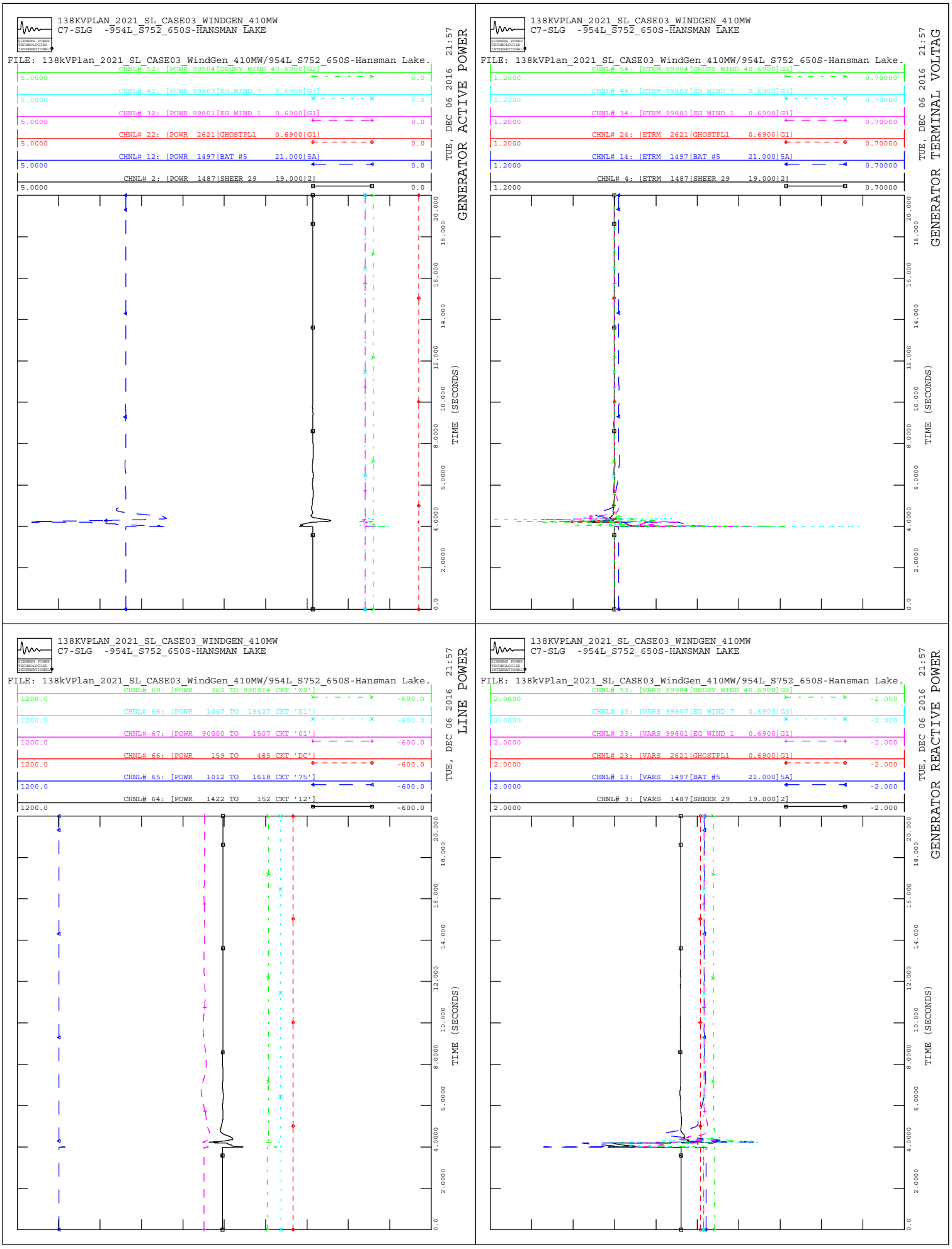
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S752_650S-Hansman Lake.

TUE, DEC 06 2016 21:57

MACHINE ANGLE



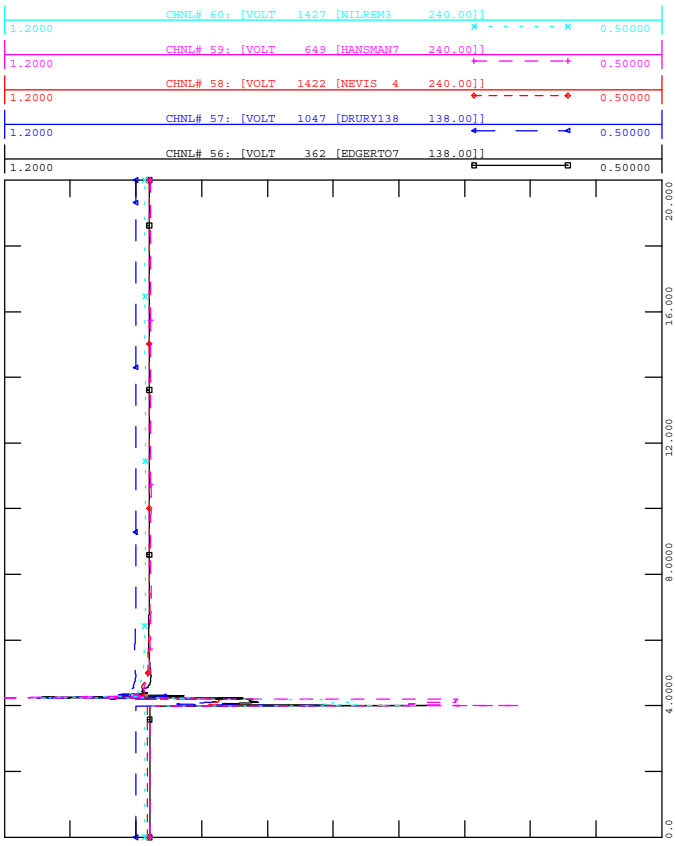

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S752_650S-Hansman Lake.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S752_650S-Hansman Lake.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S752_650S-Hansman Lake.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/954L_S752_650S-Hansman Lake.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/966L_S452_650S-Hansman Lake.

TUE, DEC 06 2016 21:57

BUS VOLTAGE

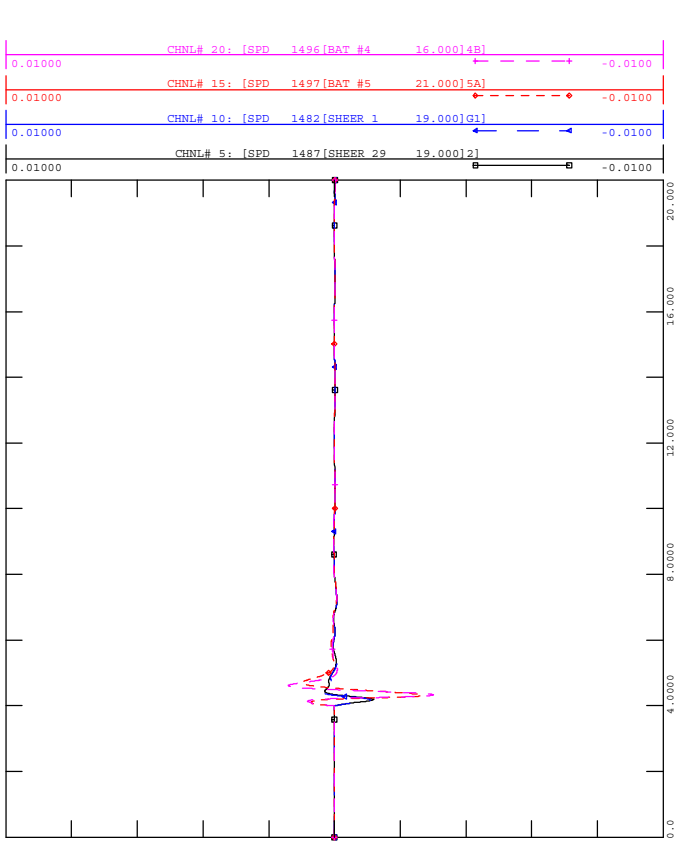


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/966L_S452_650S-Hansman Lake.

TUE, DEC 06 2016 21:57

MACHINE SPEED

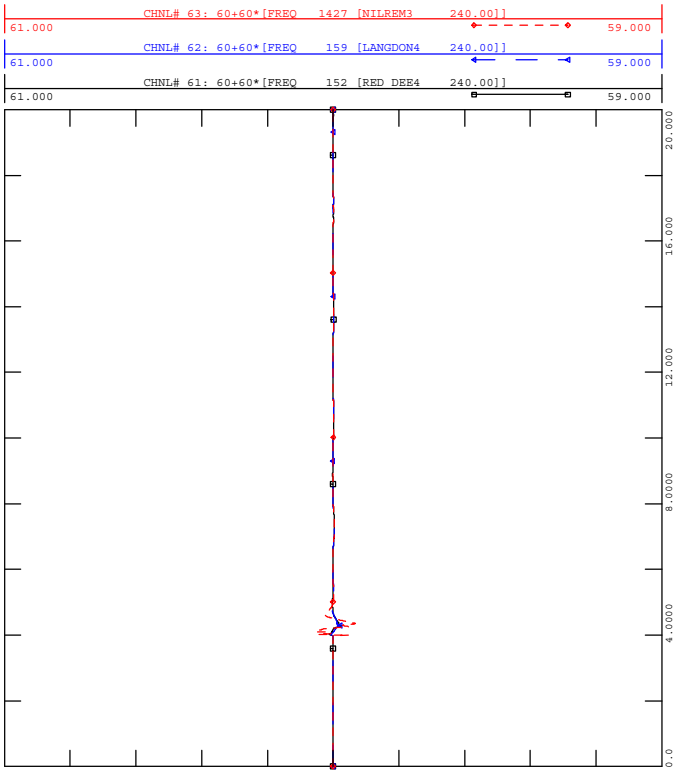


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/966L_S452_650S-Hansman Lake.

TUE, DEC 06 2016 21:57

FREQUENCY

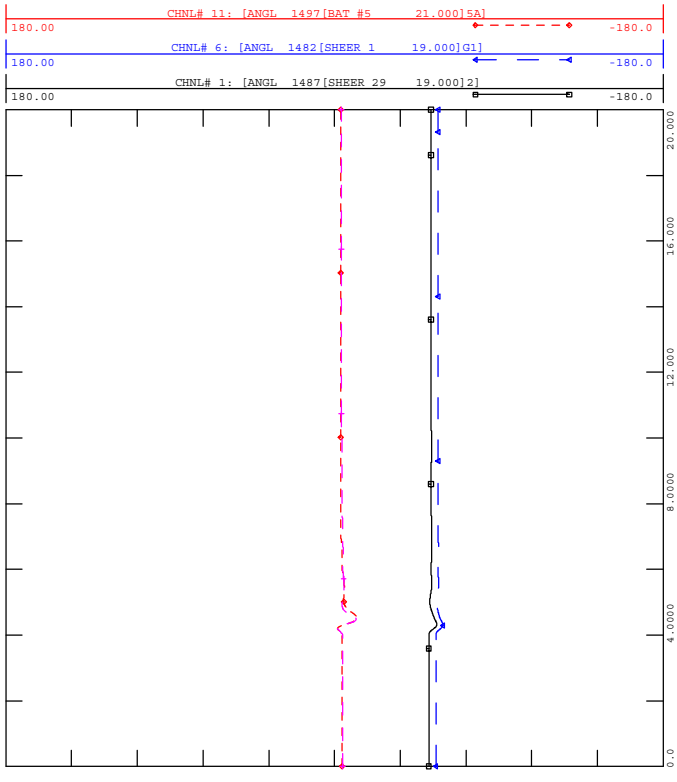


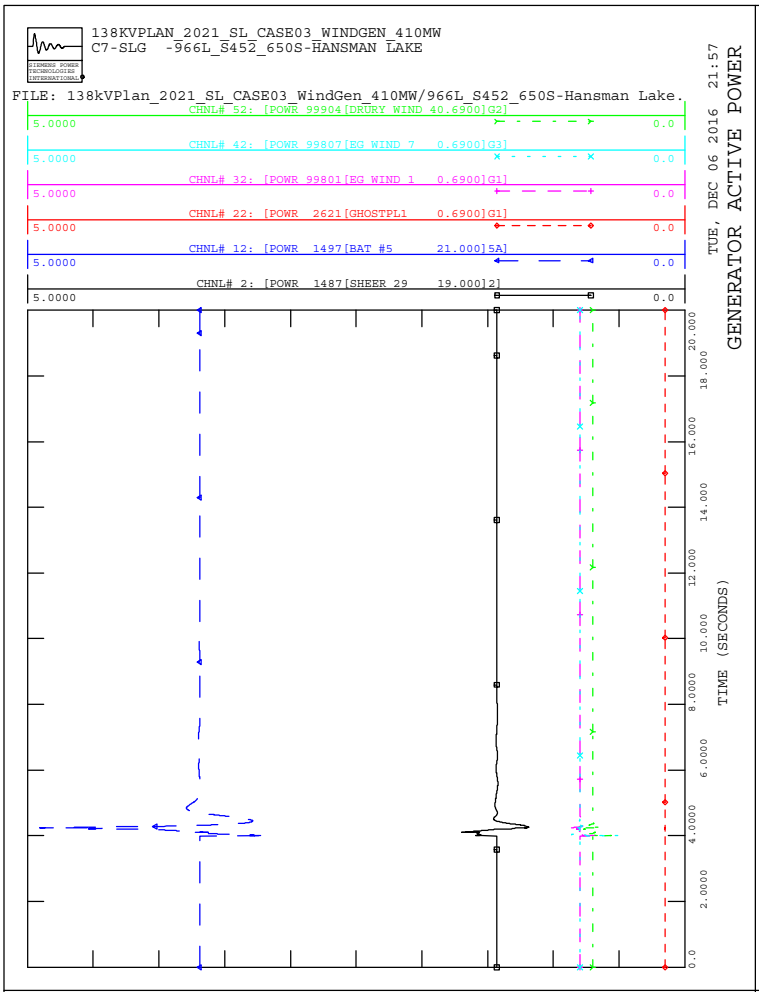
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

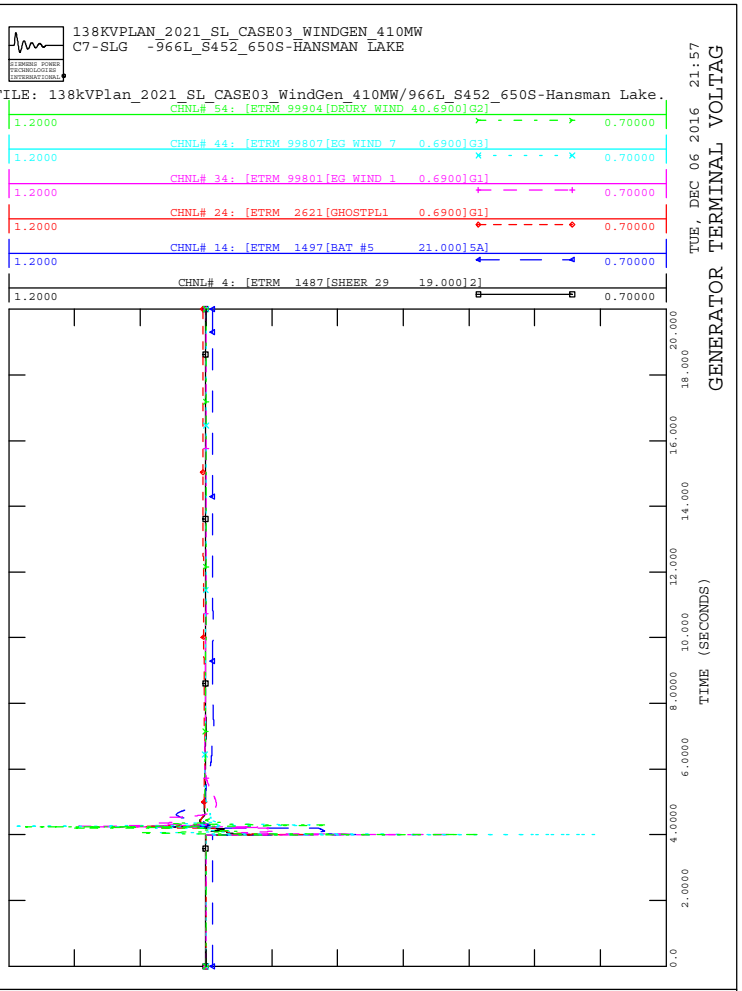
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/966L_S452_650S-Hansman Lake.

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/966L_S452_650S-Hansman Lake.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/966L_S452_650S-Hansman Lake.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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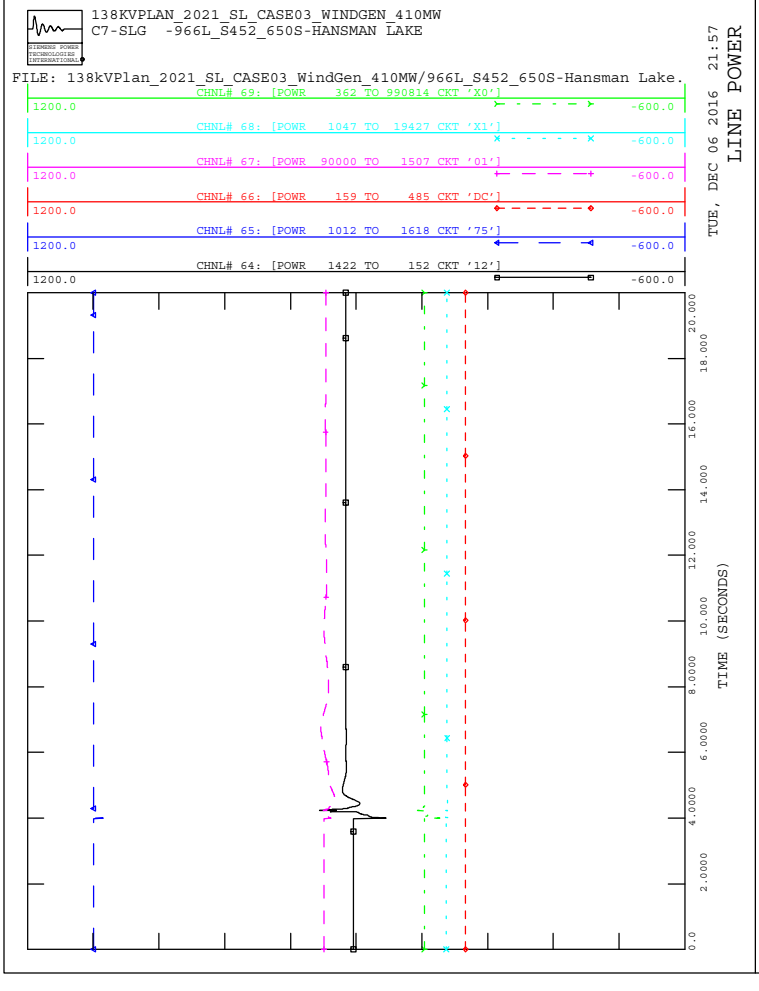
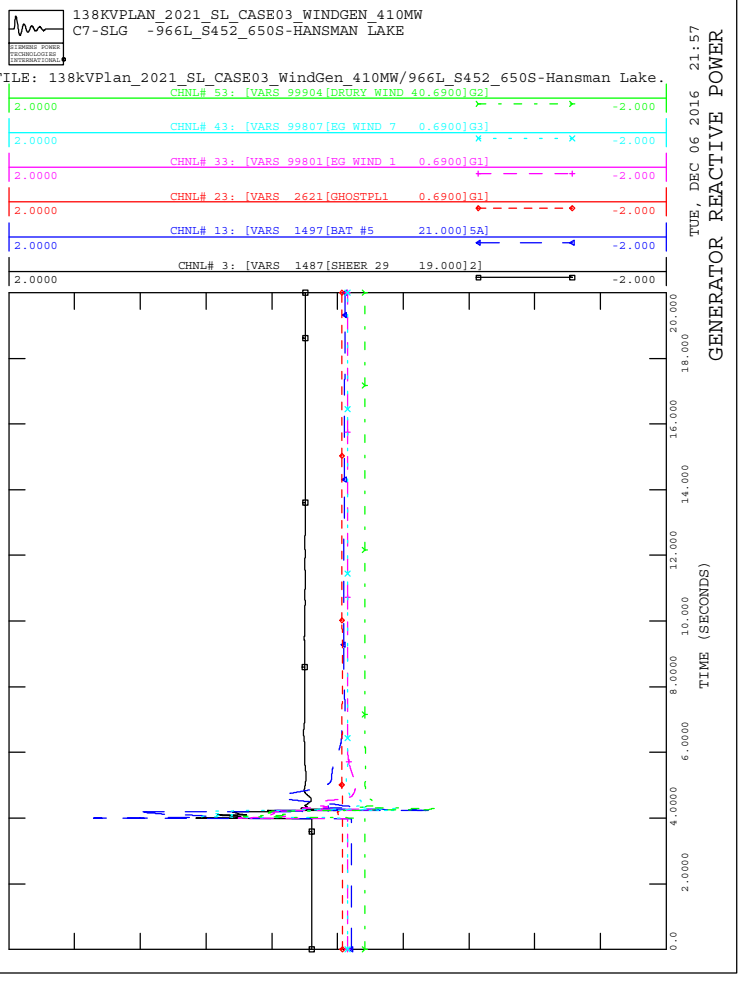
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/966L_S452_650S-Hansman Lake.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/966L_S452_650S-Hansman Lake.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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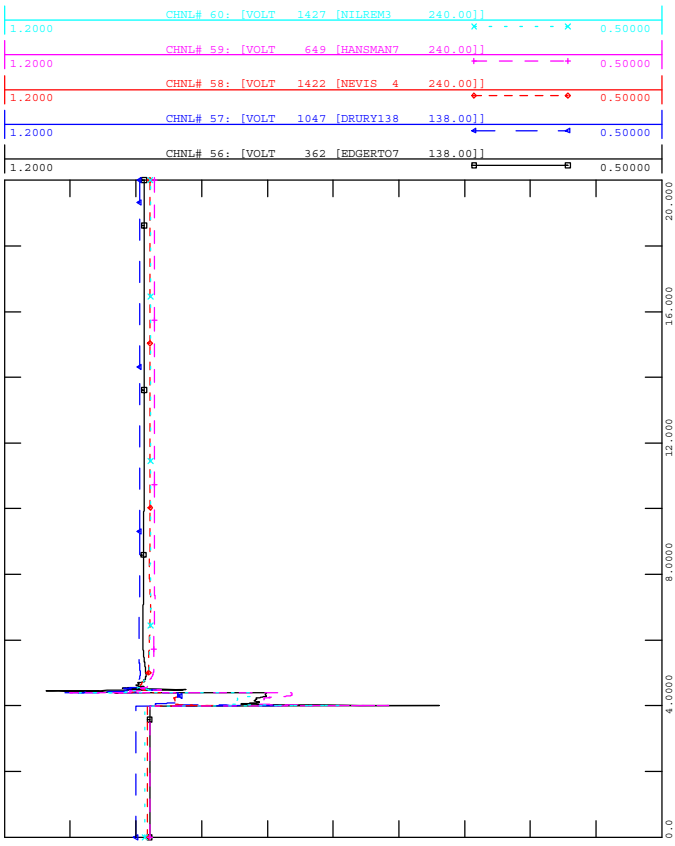
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New HansmanLake-Edgerton 138

TUE, DEC 06 2016 21:57

BUS VOLTAGE

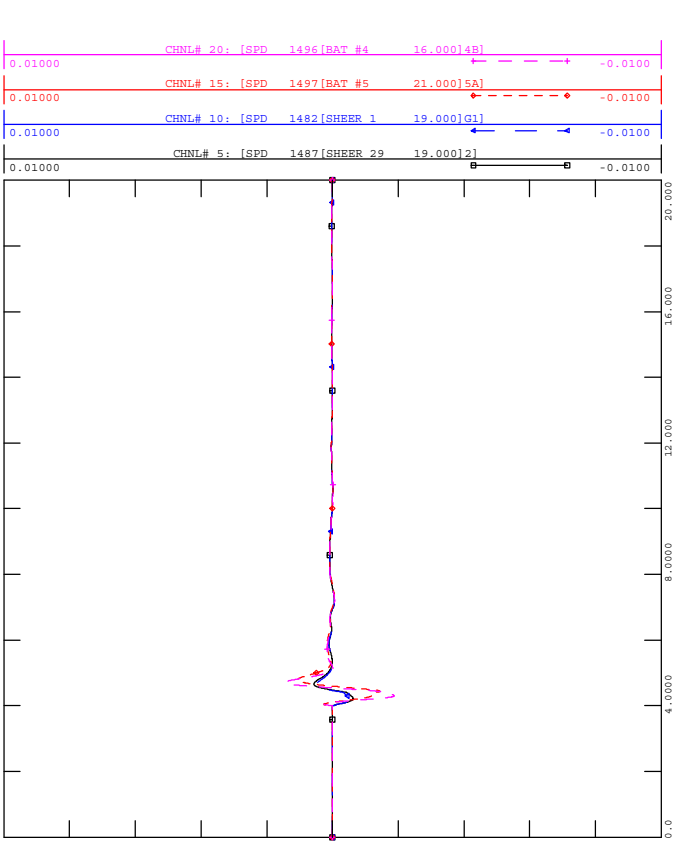


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New HansmanLake-Edgerton 138

TUE, DEC 06 2016 21:57

MACHINE SPEED

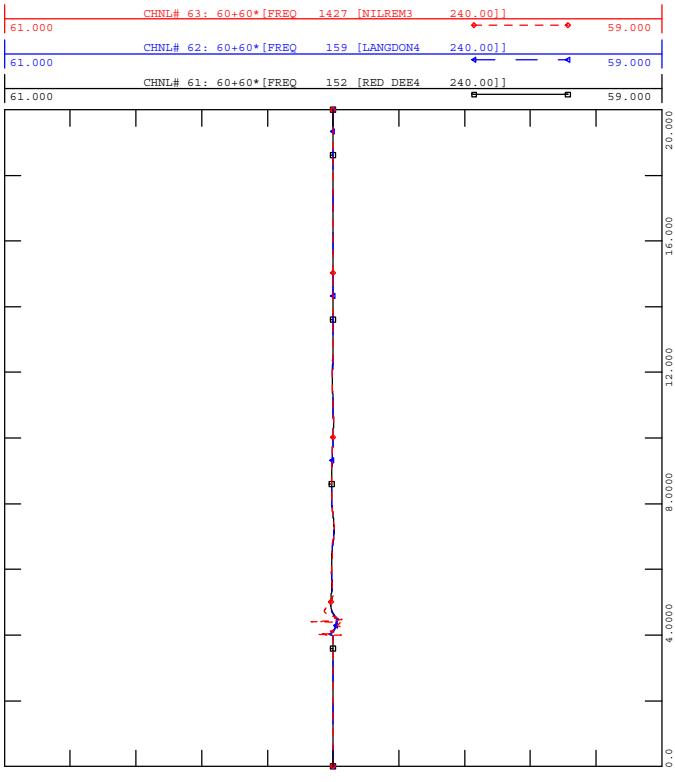


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New HansmanLake-Edgerton 138

TUE, DEC 06 2016 21:57

FREQUENCY

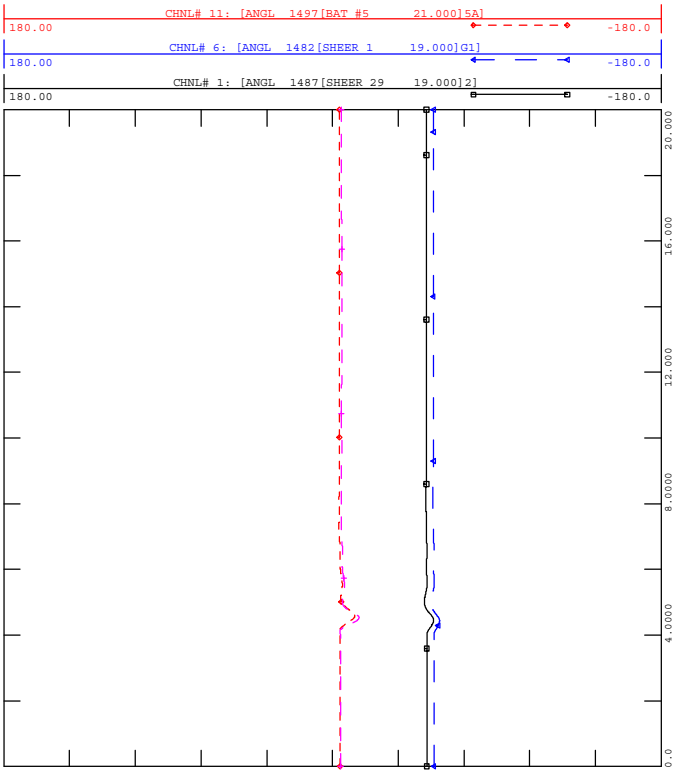


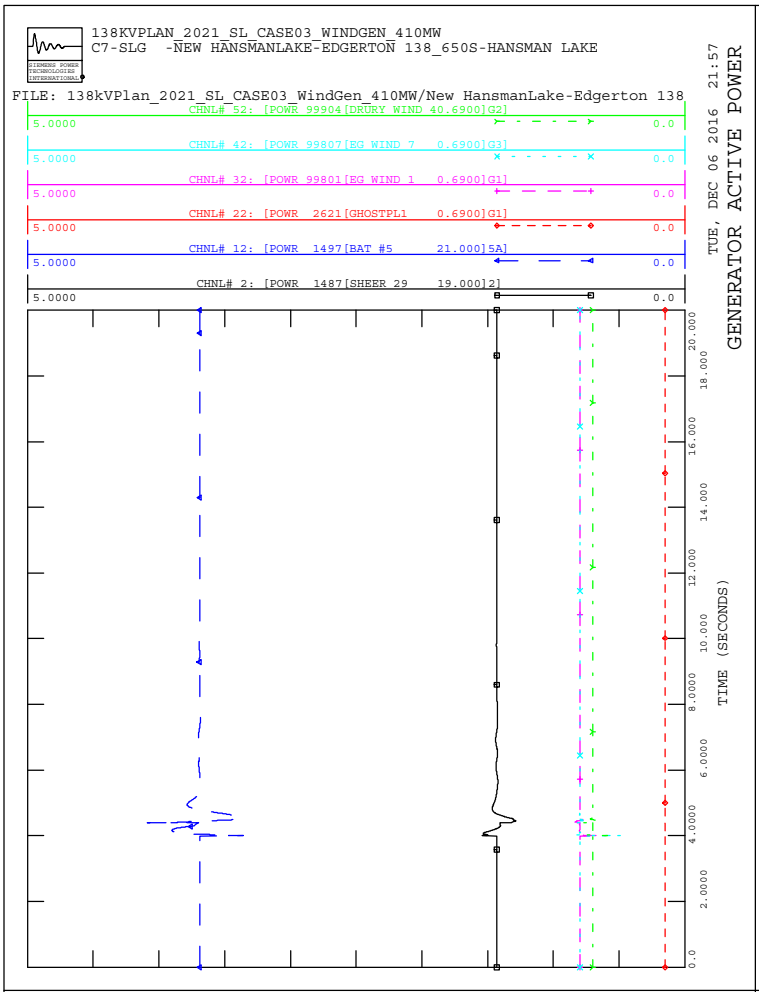
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE

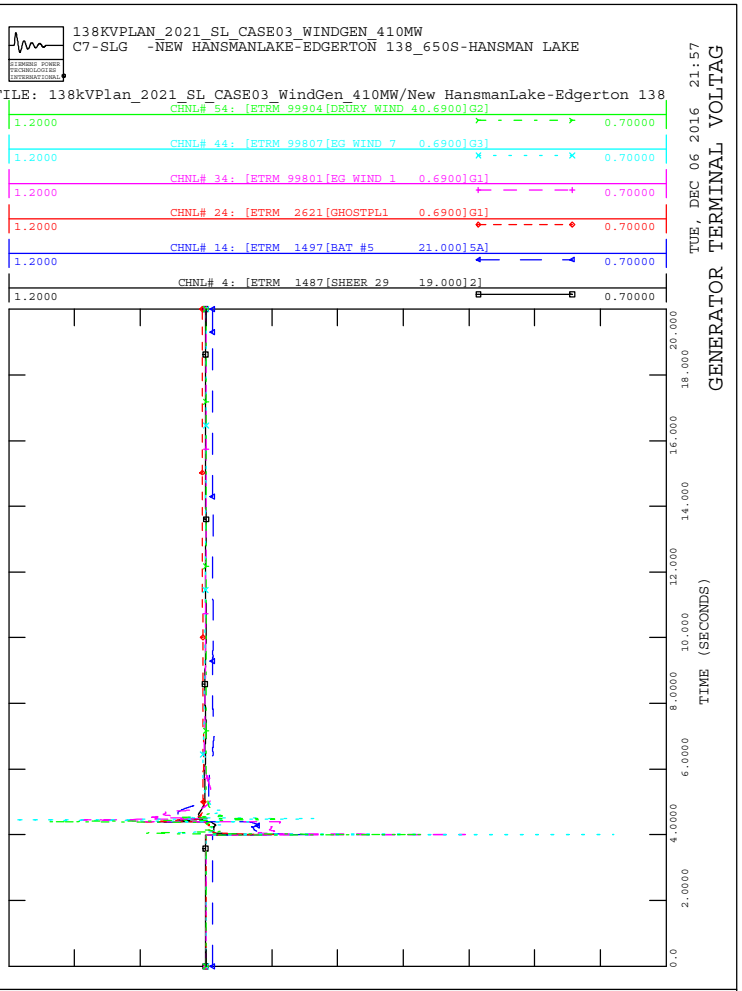
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New HansmanLake-Edgerton 138

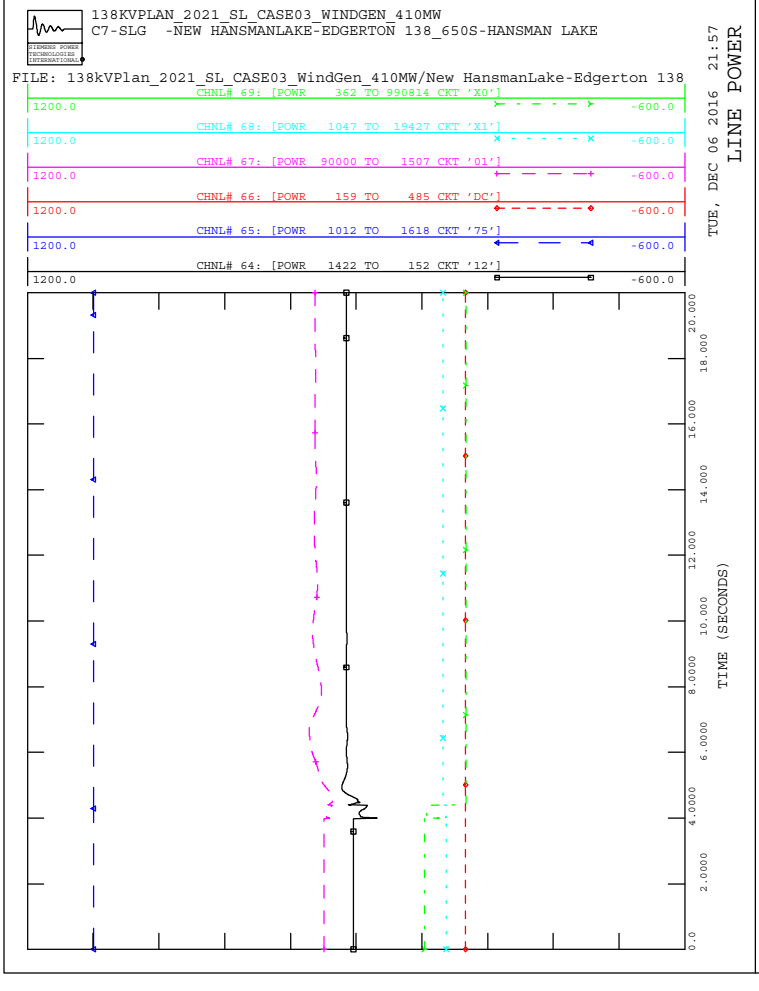
TUE, DEC 06 2016 21:57

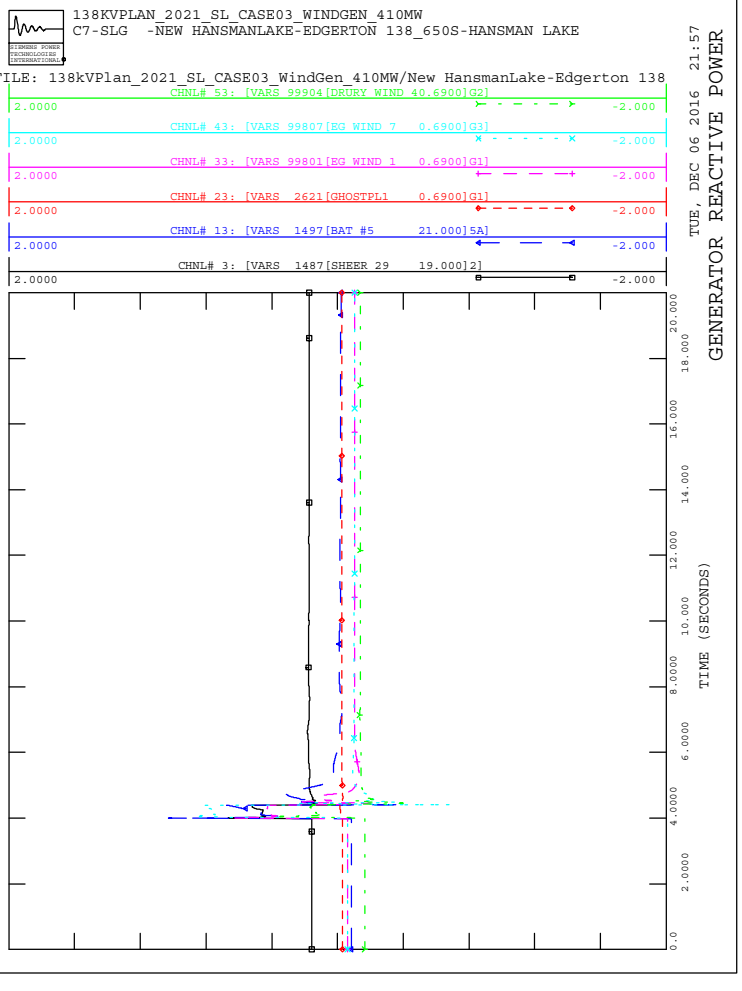
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New HansmanLake-Edgerton 138
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New HansmanLake-Edgerton 138
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New HansmanLake-Edgerton 138
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)

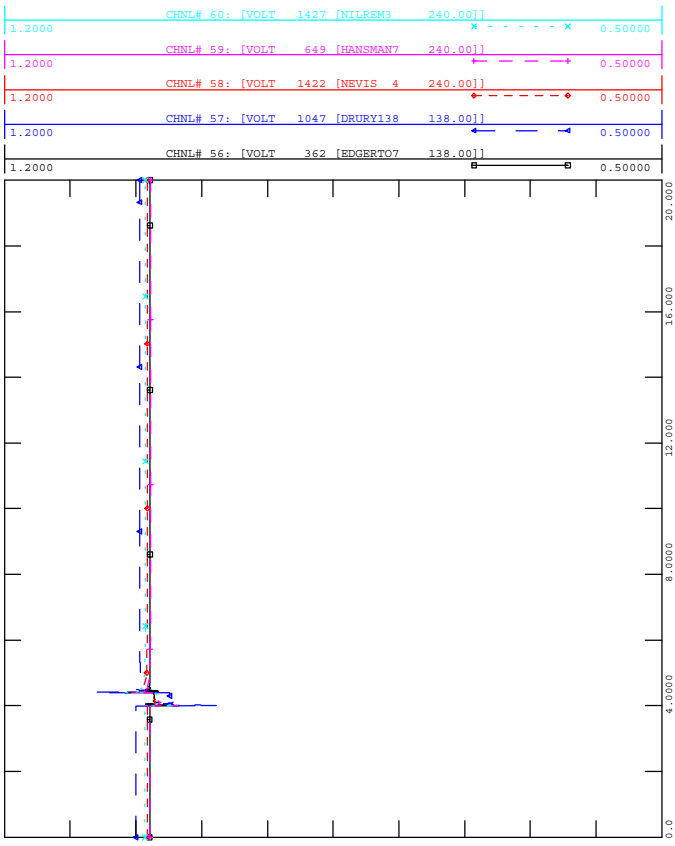

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New HansmanLake-Edgerton 138
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S701X_395S-North Holden

TUE, DEC 06 2016 21:57

BUS VOLTAGE

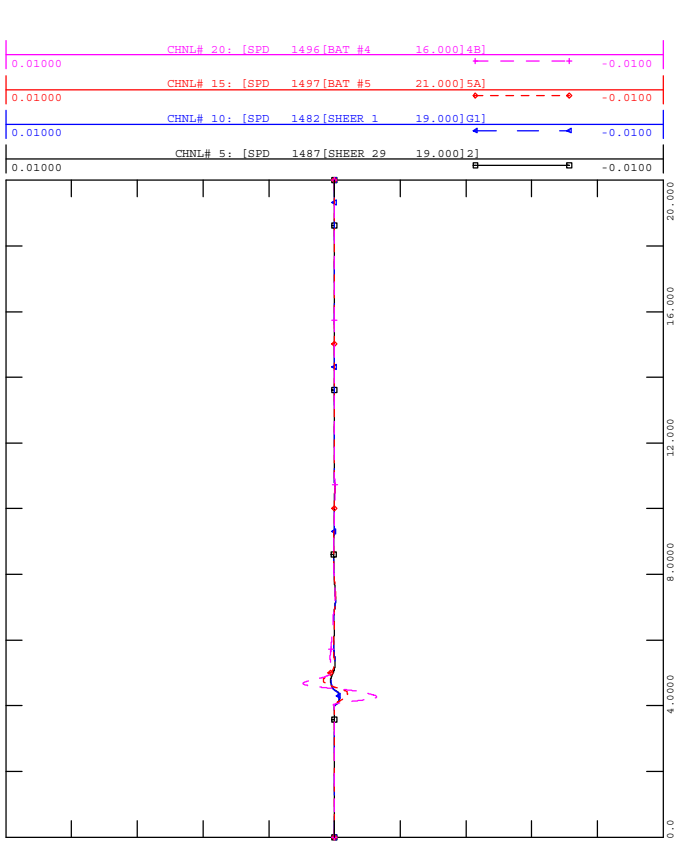


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S701X_395S-North Holden

TUE, DEC 06 2016 21:57

MACHINE SPEED

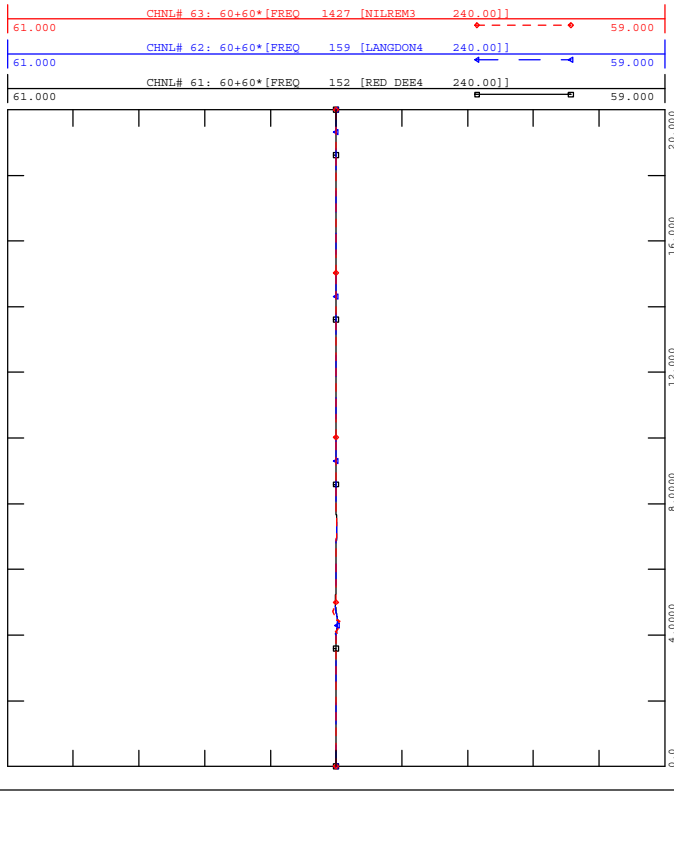


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S701X_395S-North Holden

TUE, DEC 06 2016 21:57

FREQUENCY

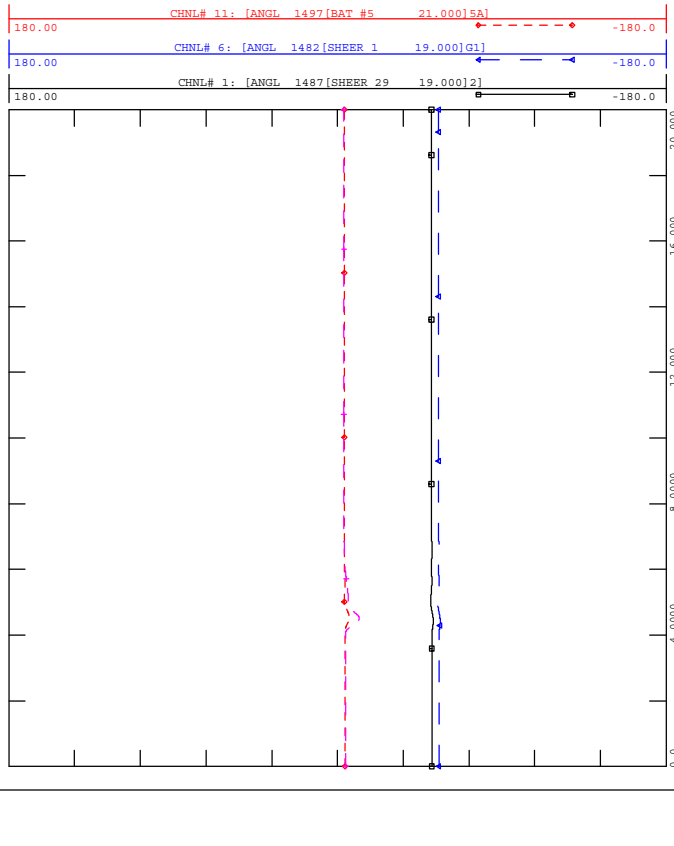


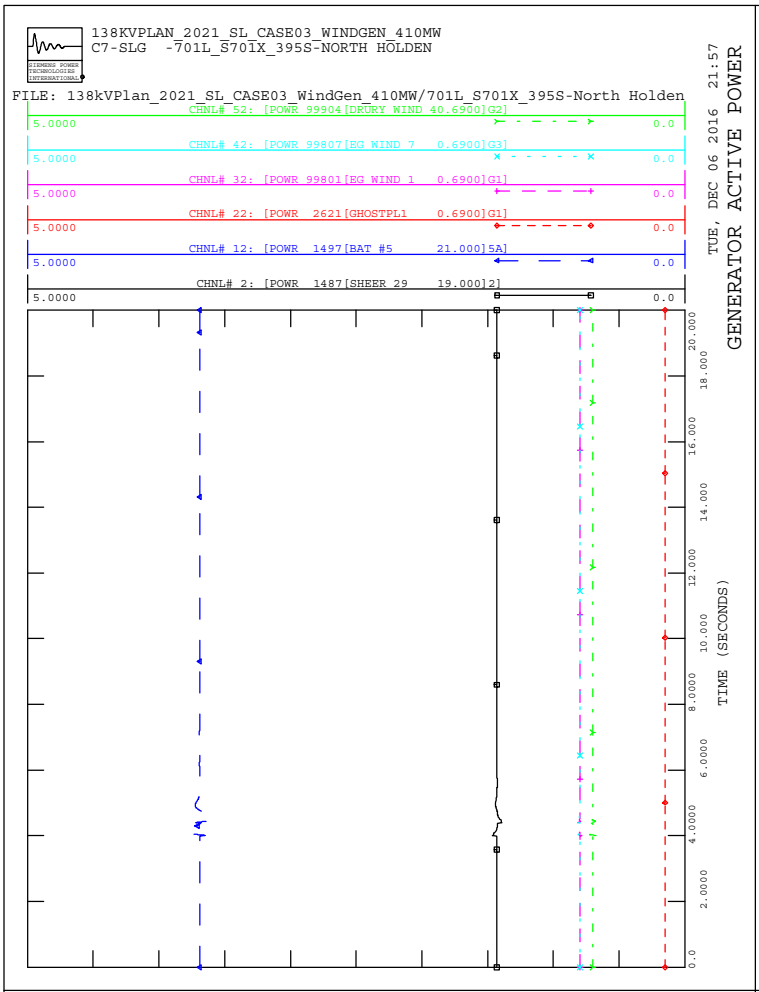
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

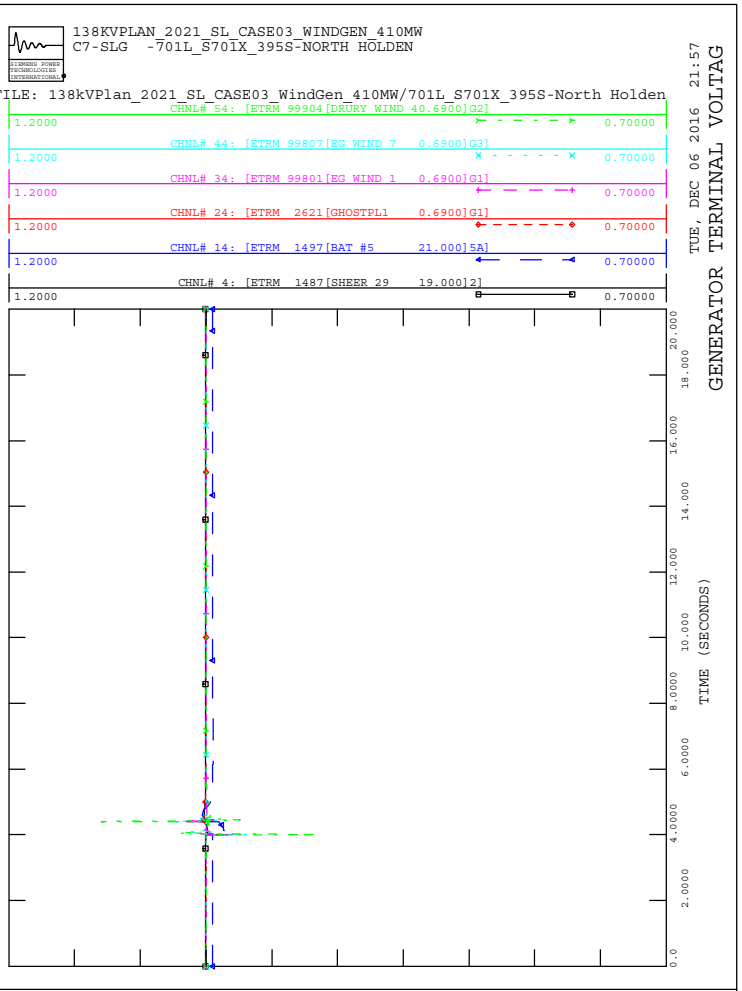
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S701X_395S-North Holden

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S701X_395S-North Holden
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S701X_395S-North Holden
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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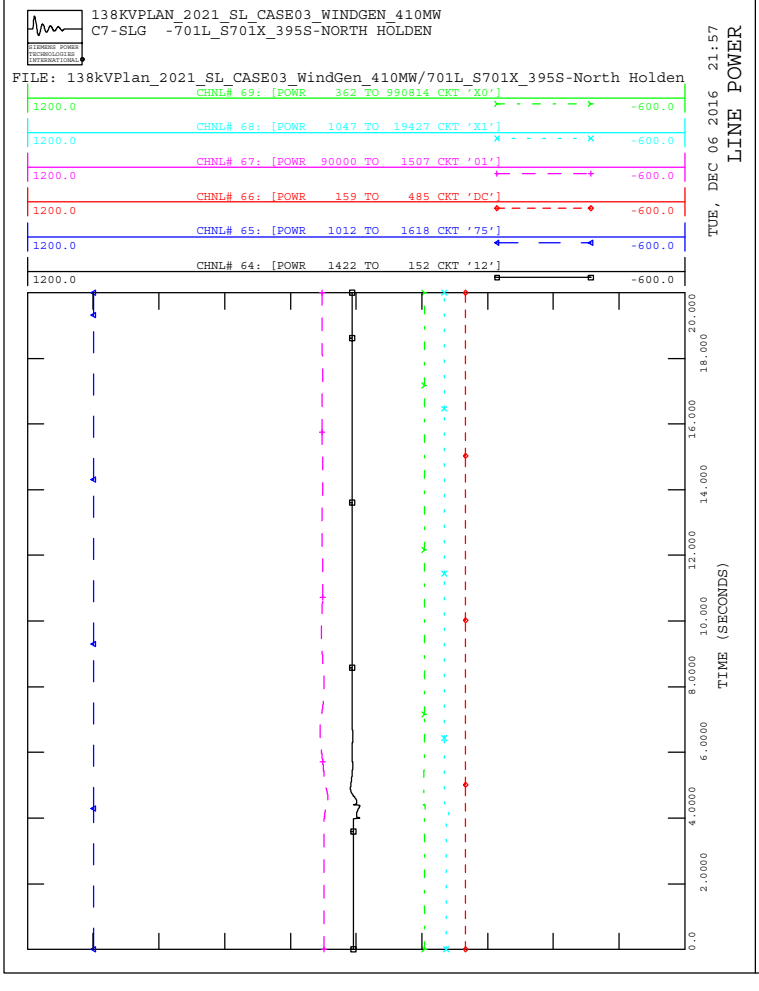
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S701X_395S-North Holden
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
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8.0000
10.000
12.000
14.000
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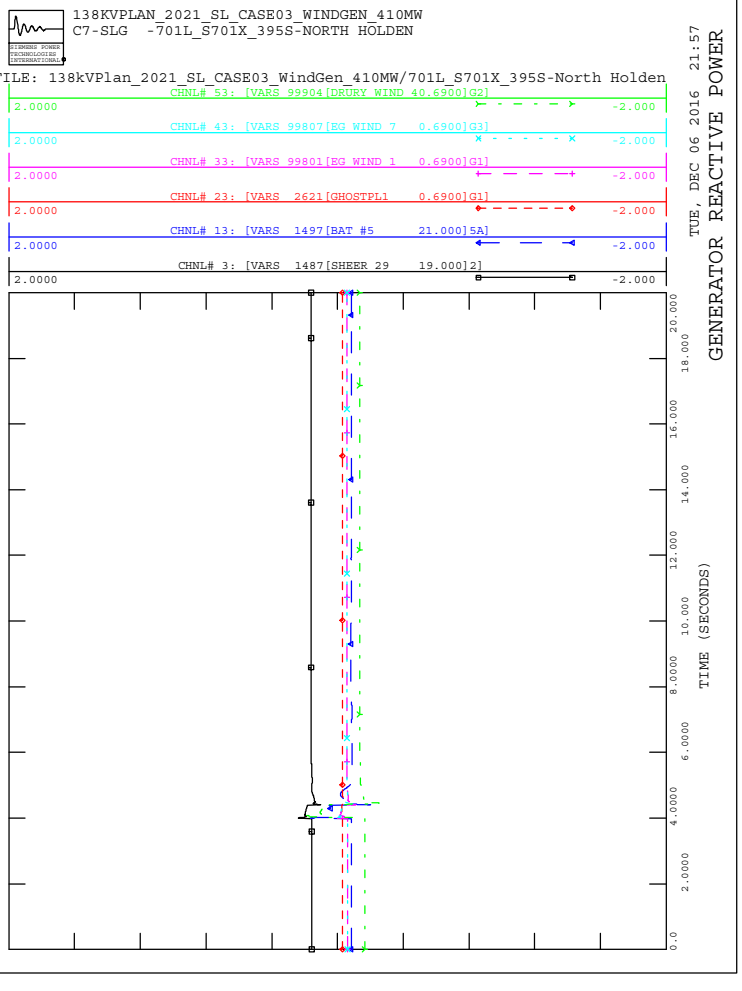
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/701L_S701X_395S-North Holden
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
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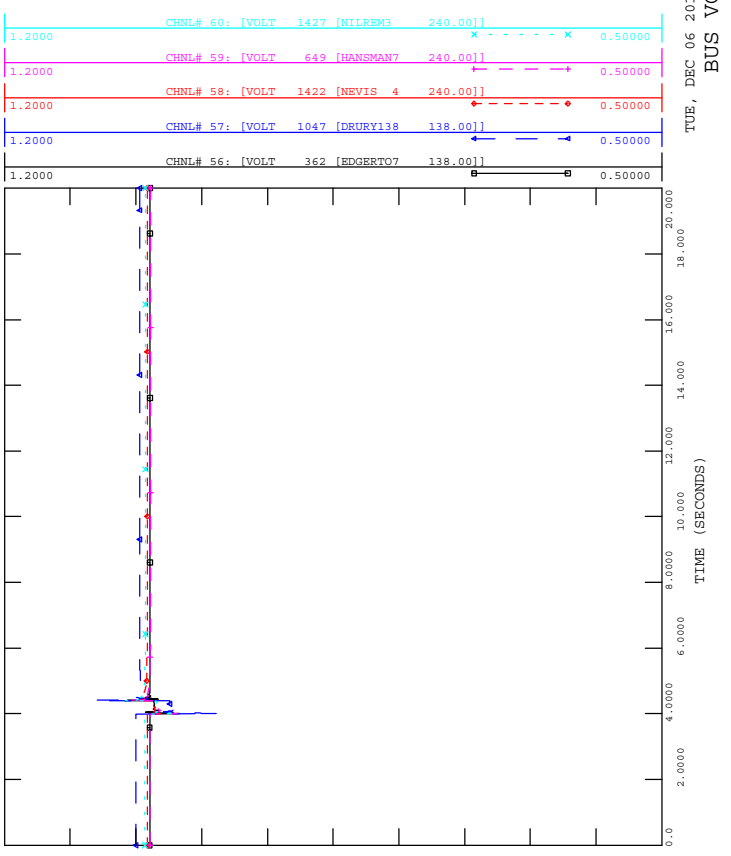
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S77E_395S-North Holden.

TUE, DEC 06 2016 21:57

BUS VOLTAGE

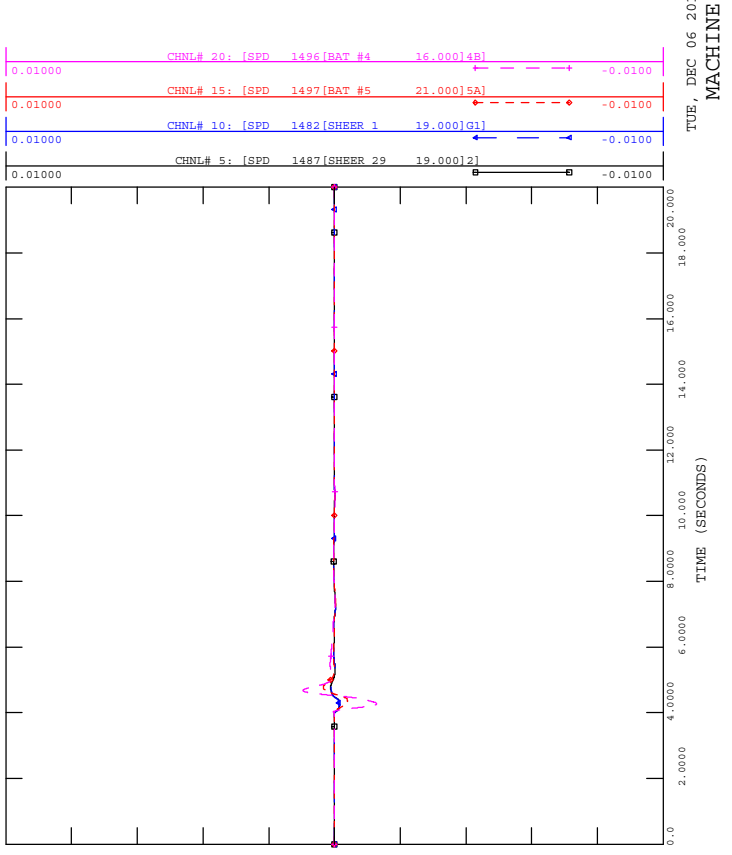


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S77E_395S-North Holden.

TUE, DEC 06 2016 21:57

MACHINE SPEED

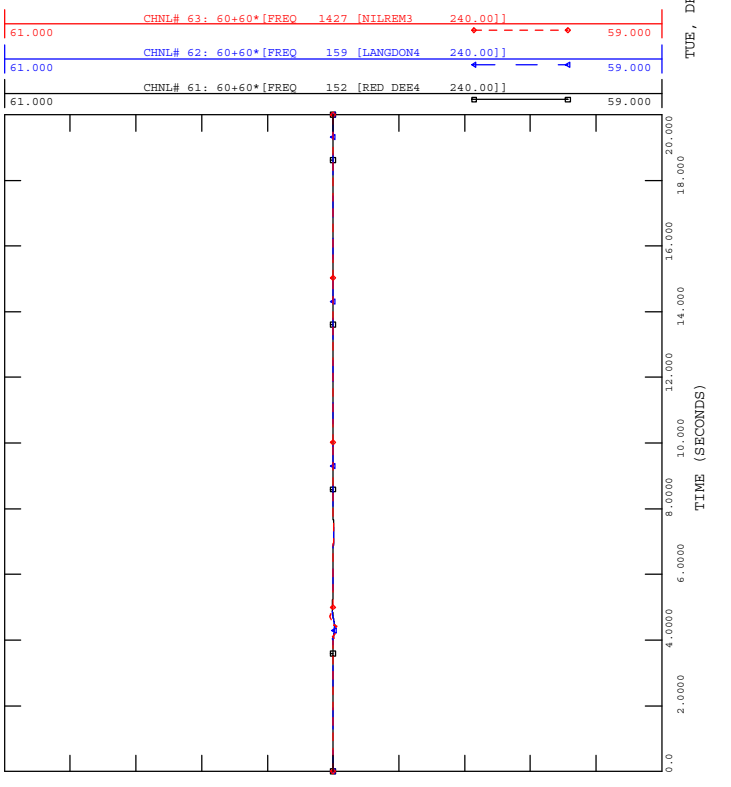


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S77E_395S-North Holden.

TUE, DEC 06 2016 21:57

FREQUENCY

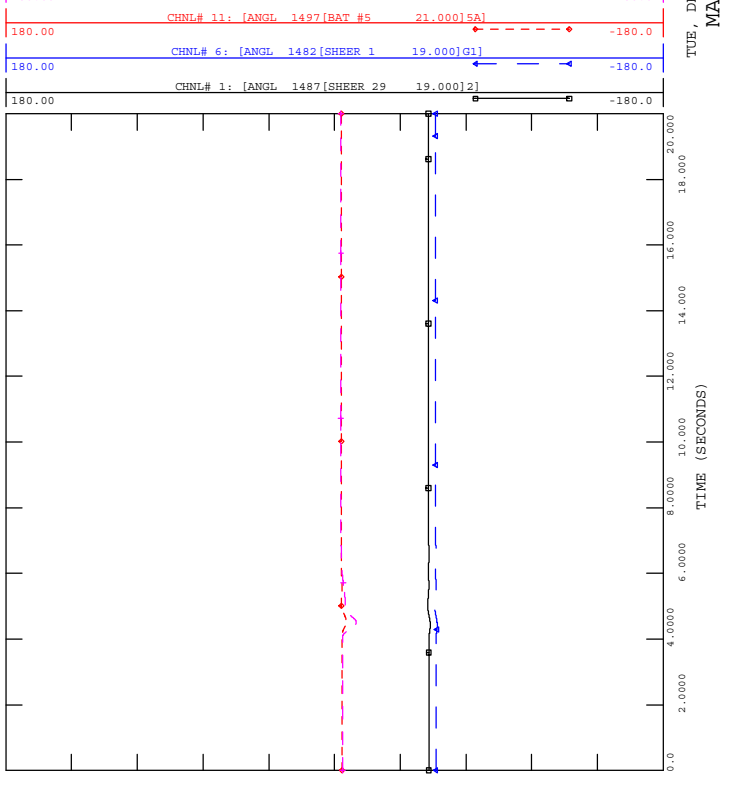


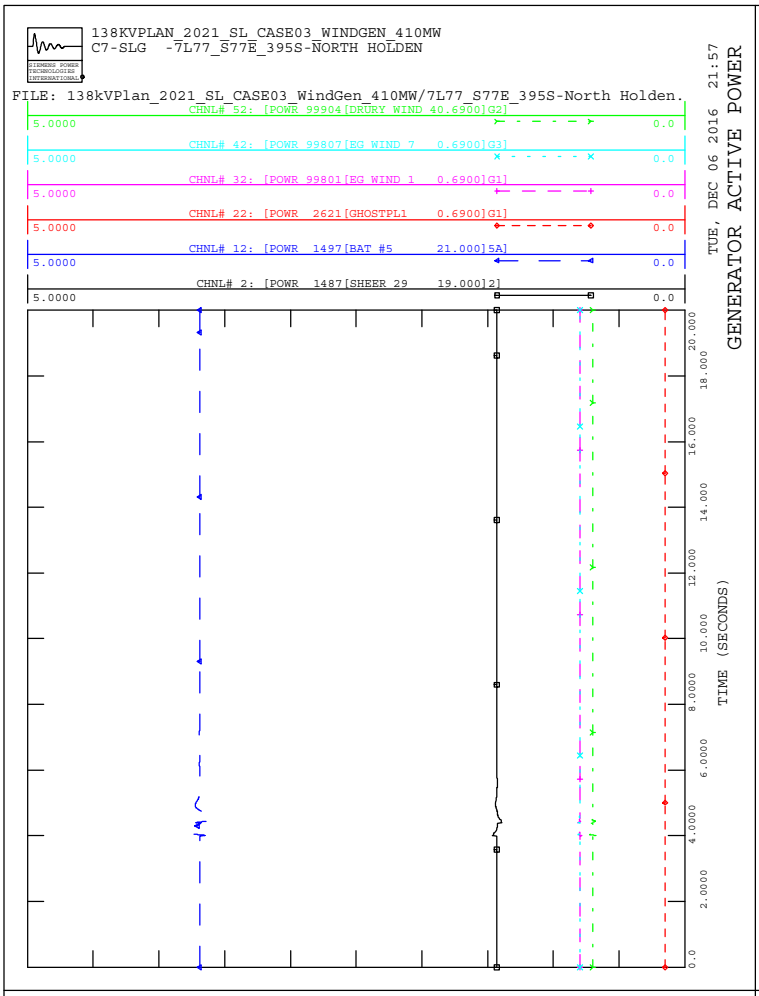
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

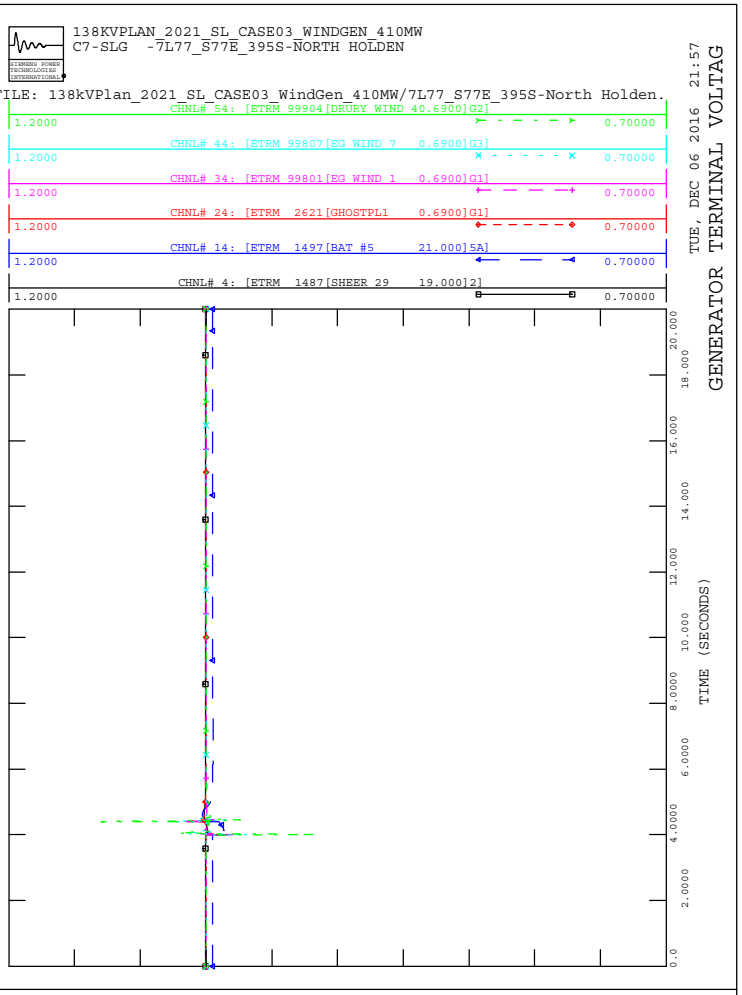
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S77E_395S-North Holden.

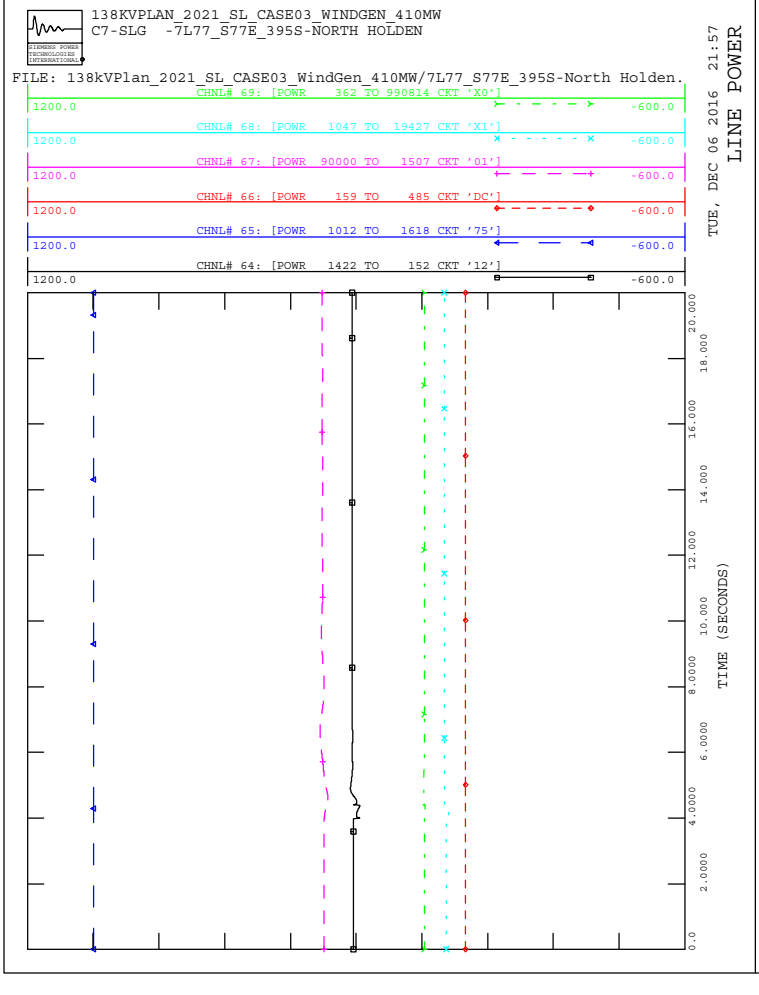
TUE, DEC 06 2016 21:57

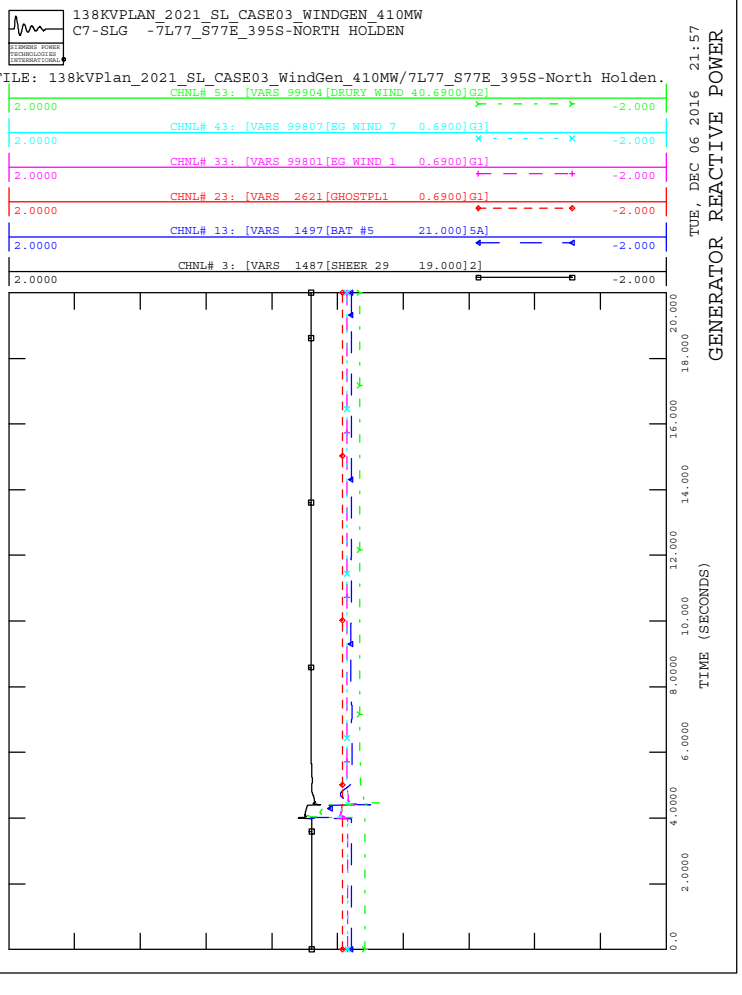
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S77E_395S-North Holden.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S77E_395S-North Holden.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S77E_395S-North Holden.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

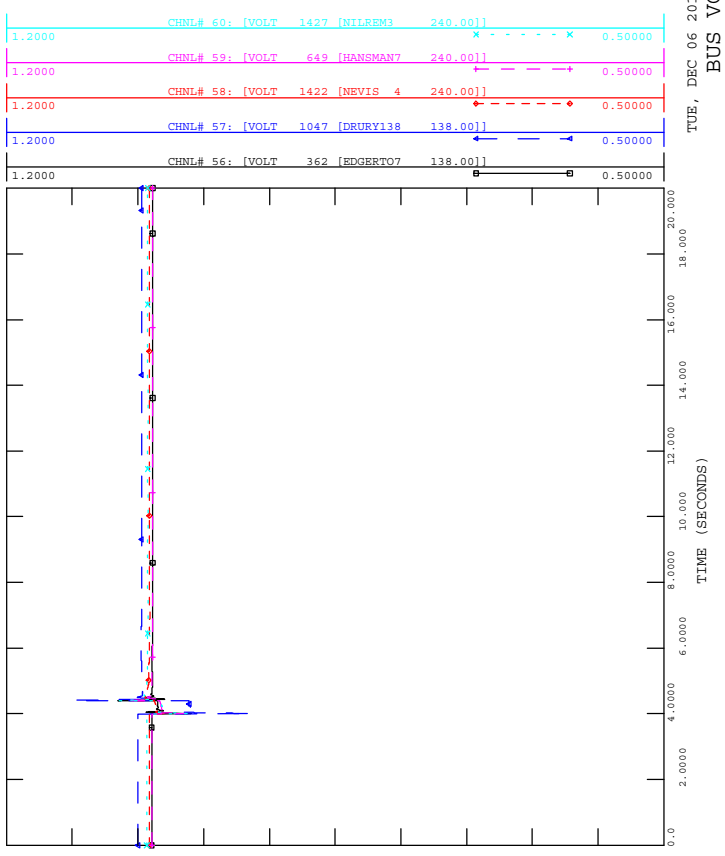

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S77E_395S-North Holden.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S702_709S-Vegreville.ou

TUE, DEC 06 2016 21:57

BUS VOLTAGE

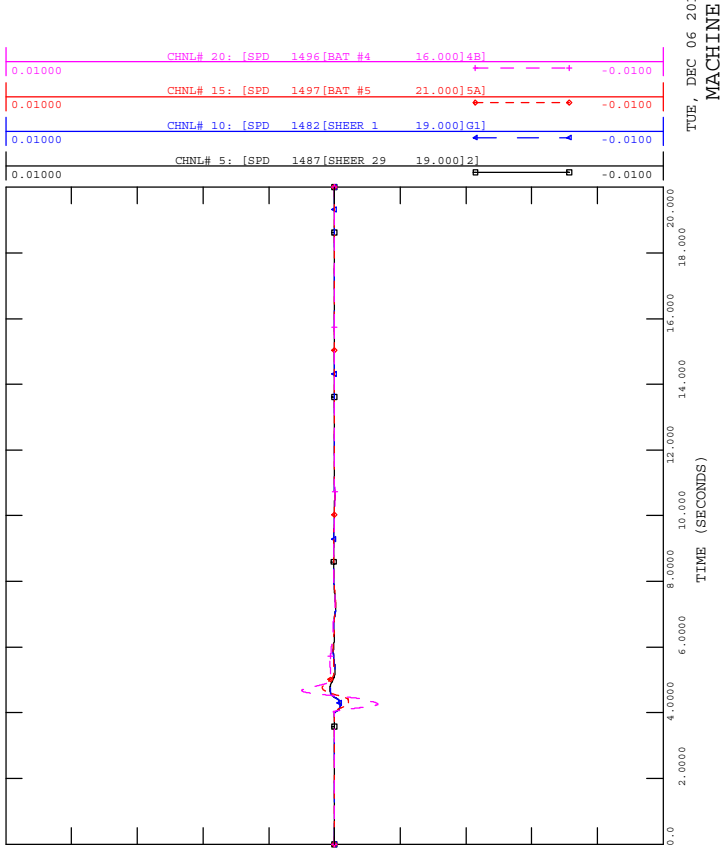


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S702_709S-Vegreville.ou

TUE, DEC 06 2016 21:57

MACHINE SPEED

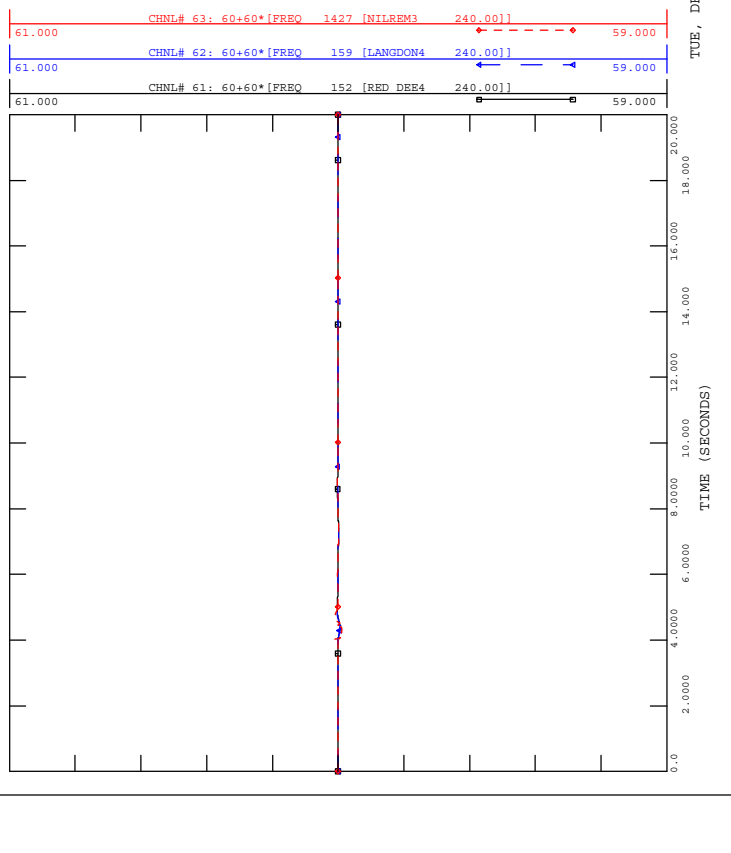


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S702_709S-Vegreville.ou

TUE, DEC 06 2016 21:57

FREQUENCY

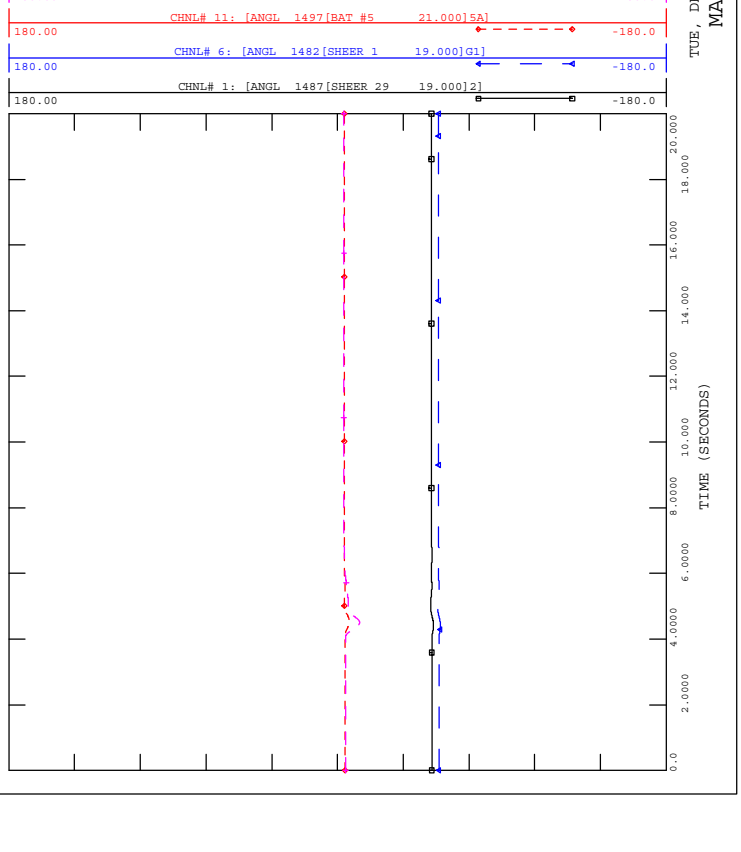


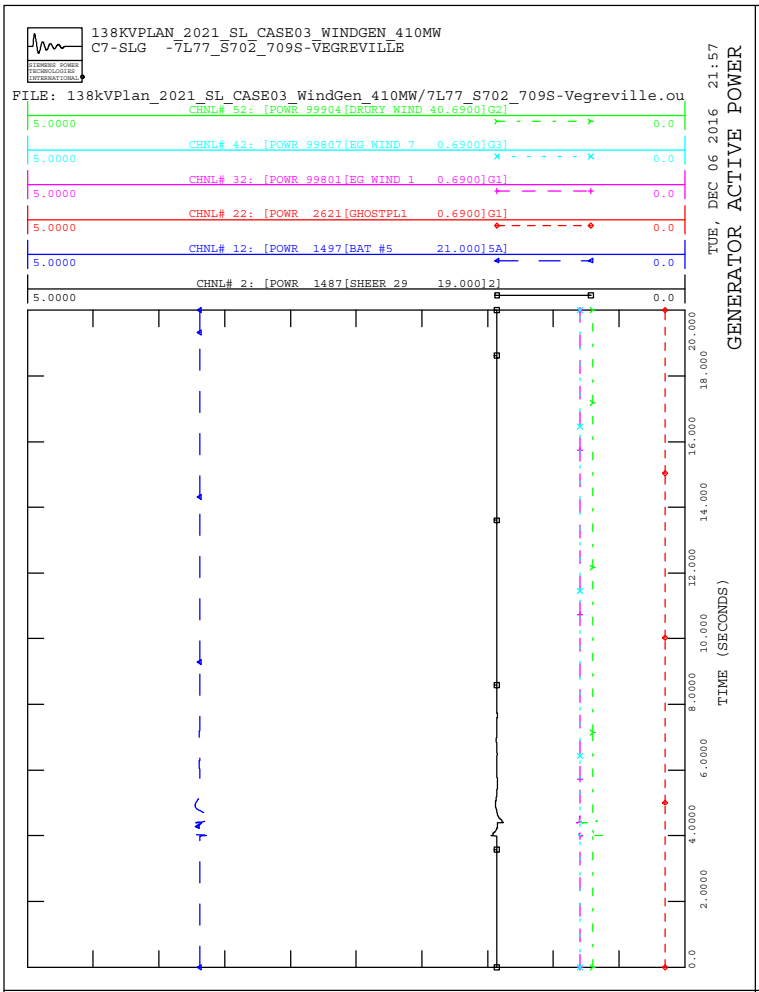
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S702_709S-VEGREVILLE

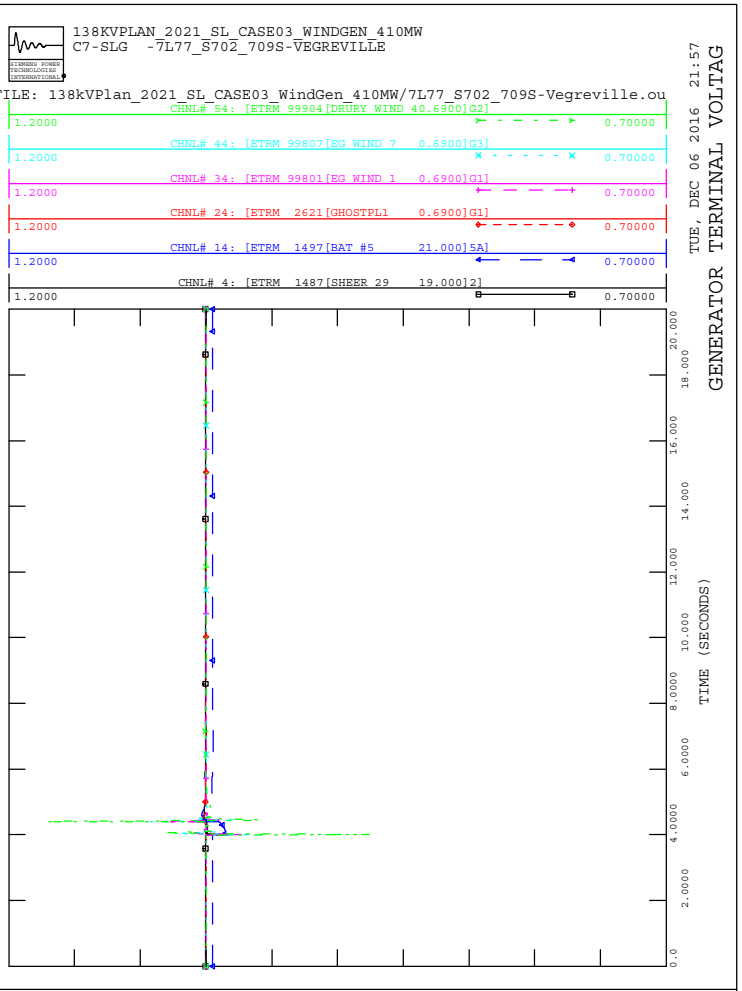
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S702_709S-Vegreville.ou

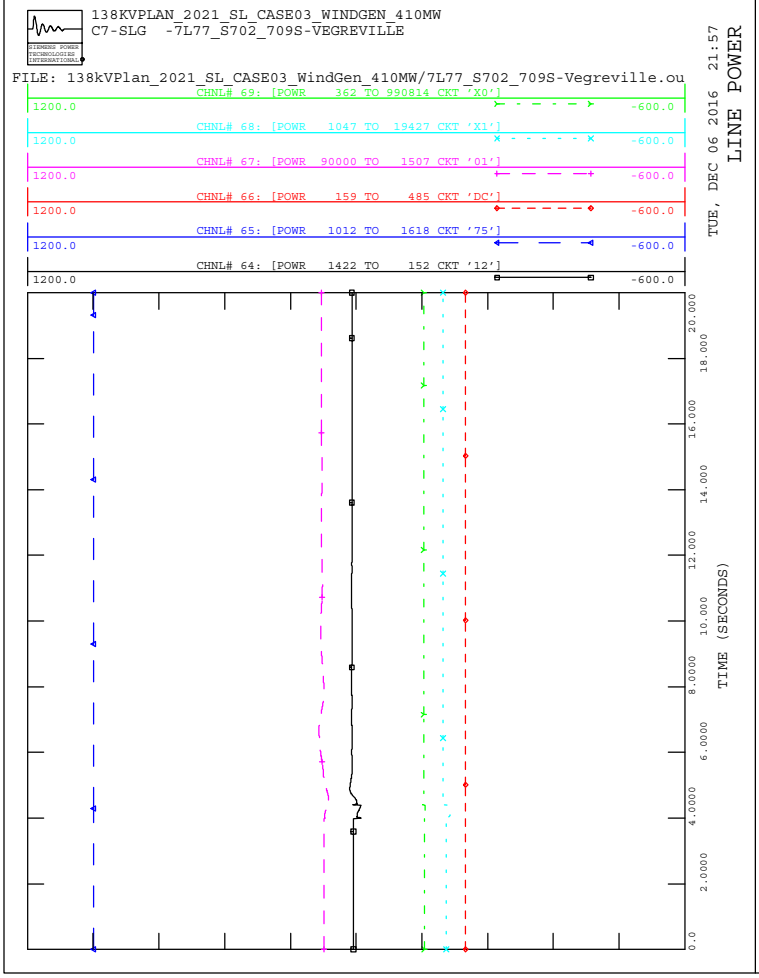
TUE, DEC 06 2016 21:57

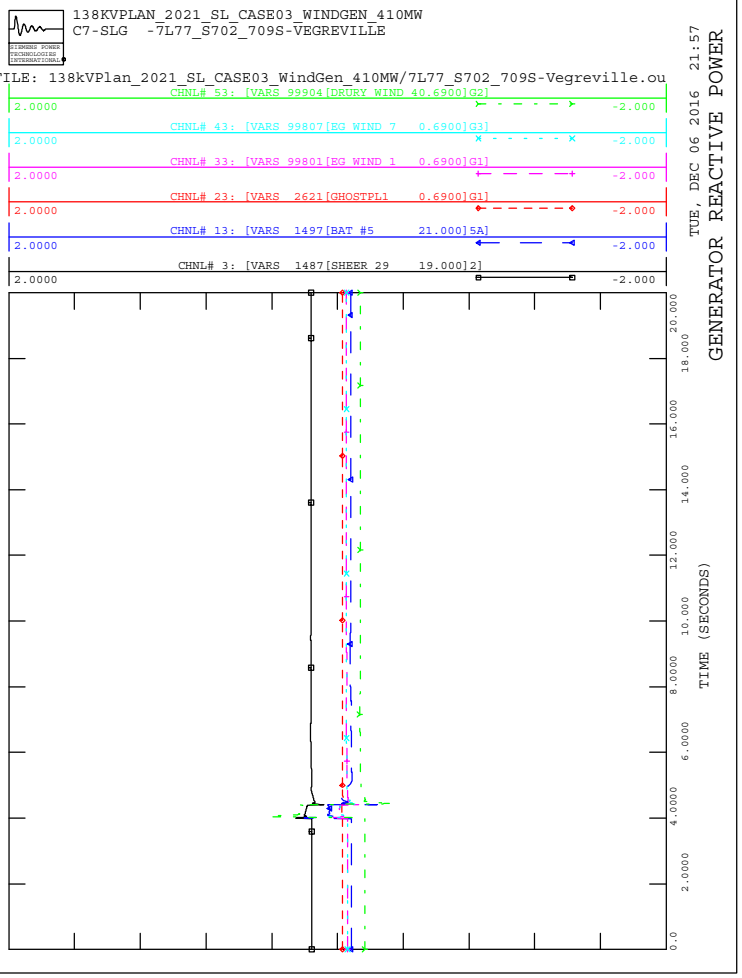
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S702_709S-Vegreville.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S702_709S-Vegreville.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S702_709S-Vegreville.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:57
LINE POWER

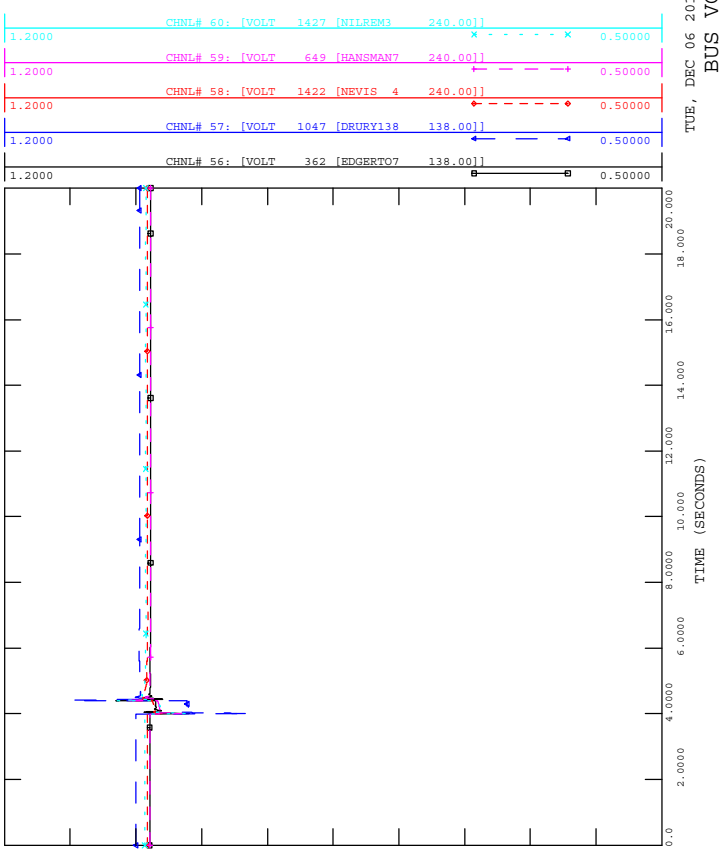

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L77_S702_709S-Vegreville.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_S703_709S-Vegreville.ou

TUE, DEC 06 2016 21:57

BUS VOLTAGE

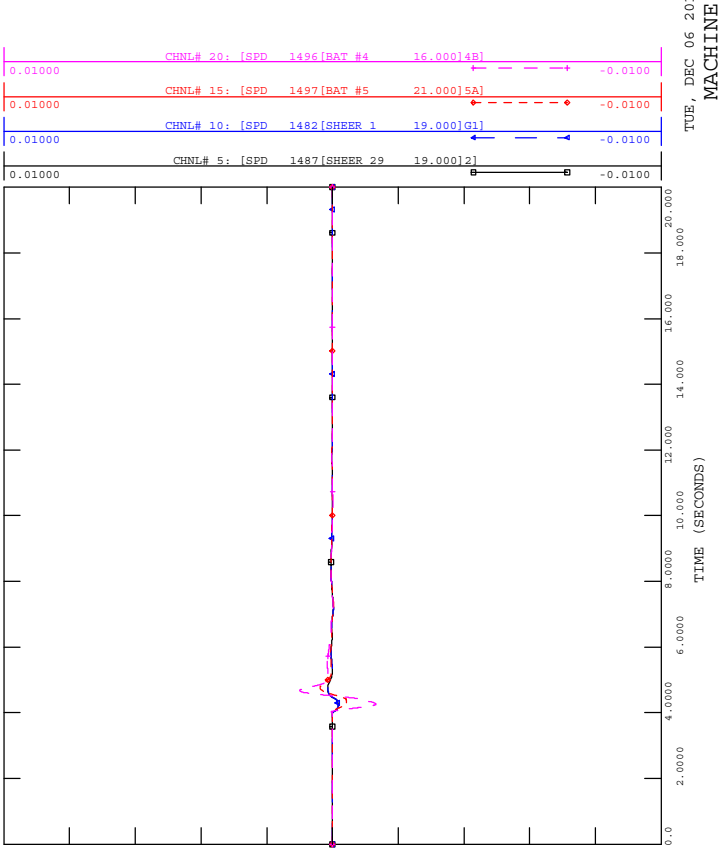


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_S703_709S-Vegreville.ou

TUE, DEC 06 2016 21:57

MACHINE SPEED

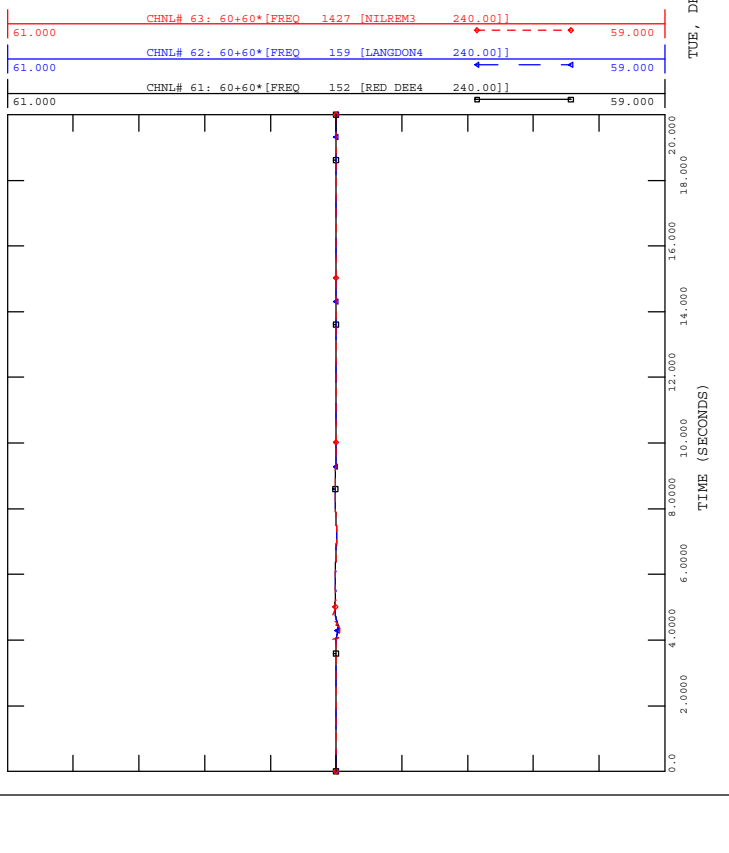


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_S703_709S-Vegreville.ou

TUE, DEC 06 2016 21:57

FREQUENCY

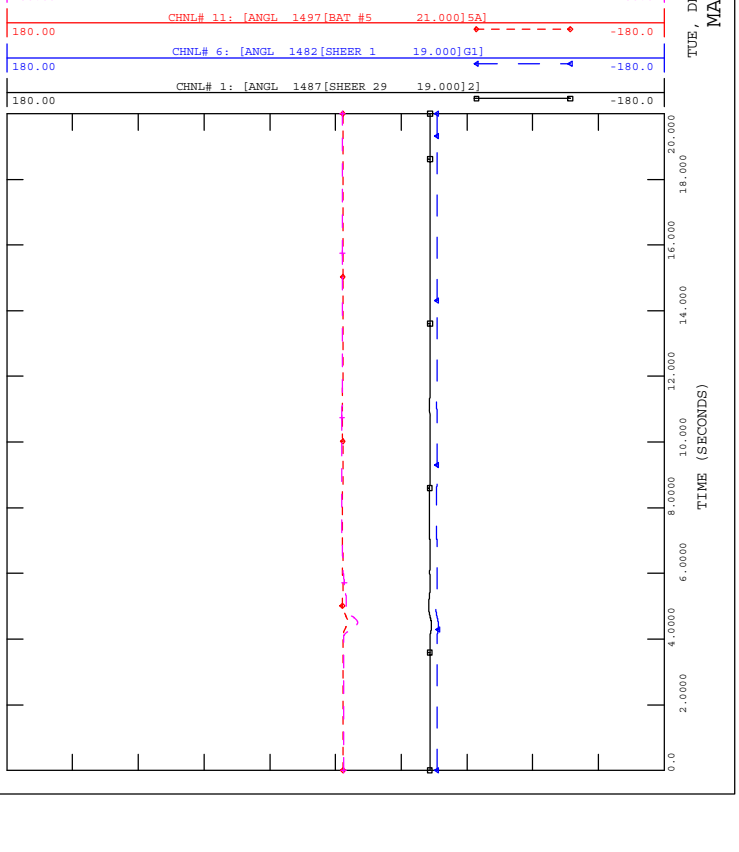


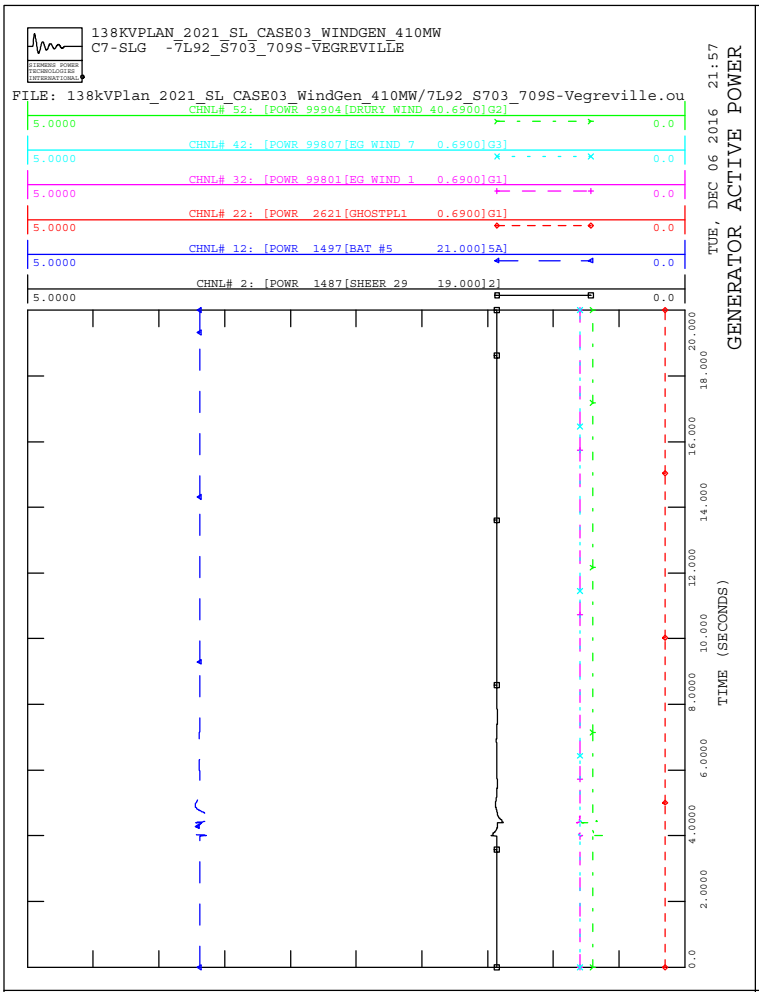
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L92_S703_709S-VEGREVILLE

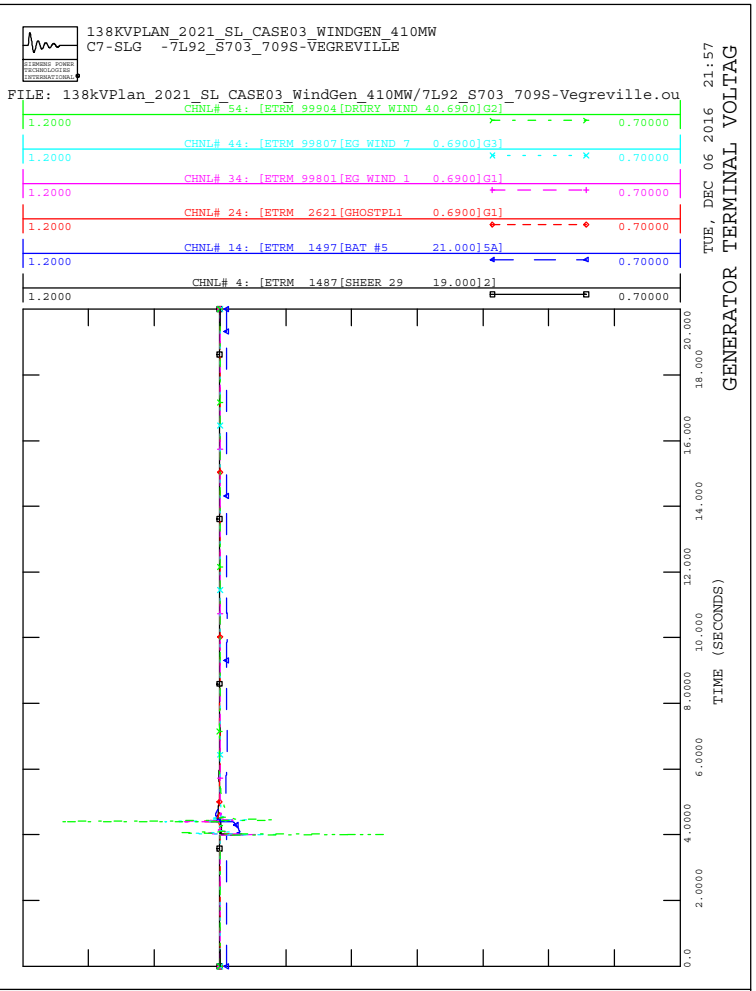
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_S703_709S-Vegreville.ou

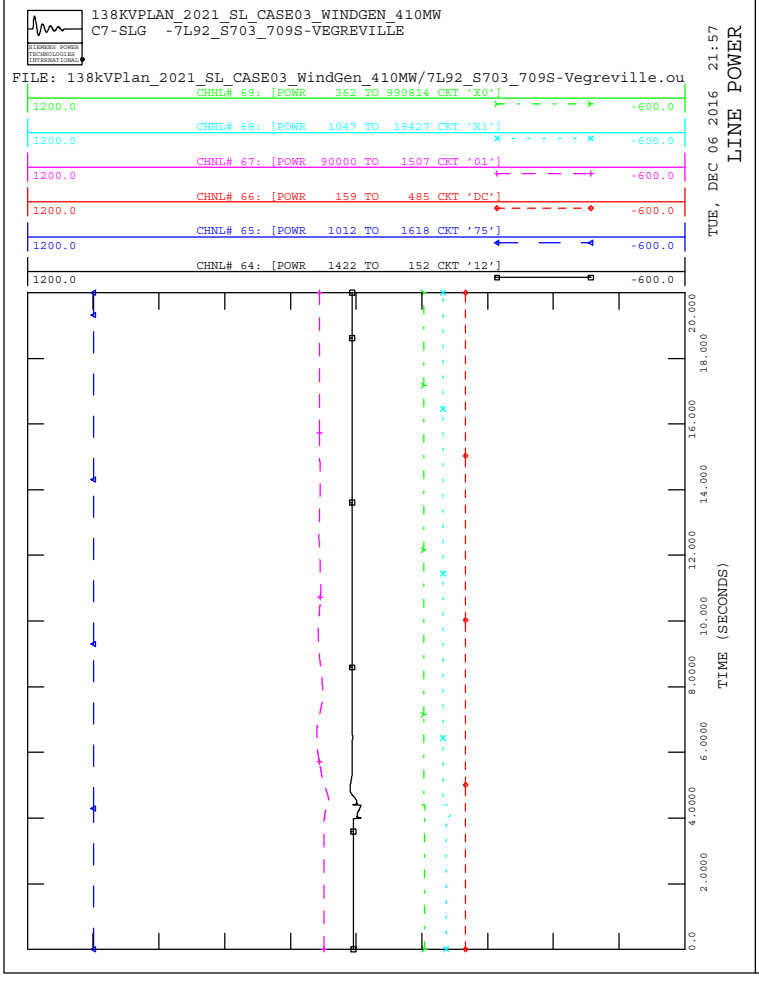
TUE, DEC 06 2016 21:57

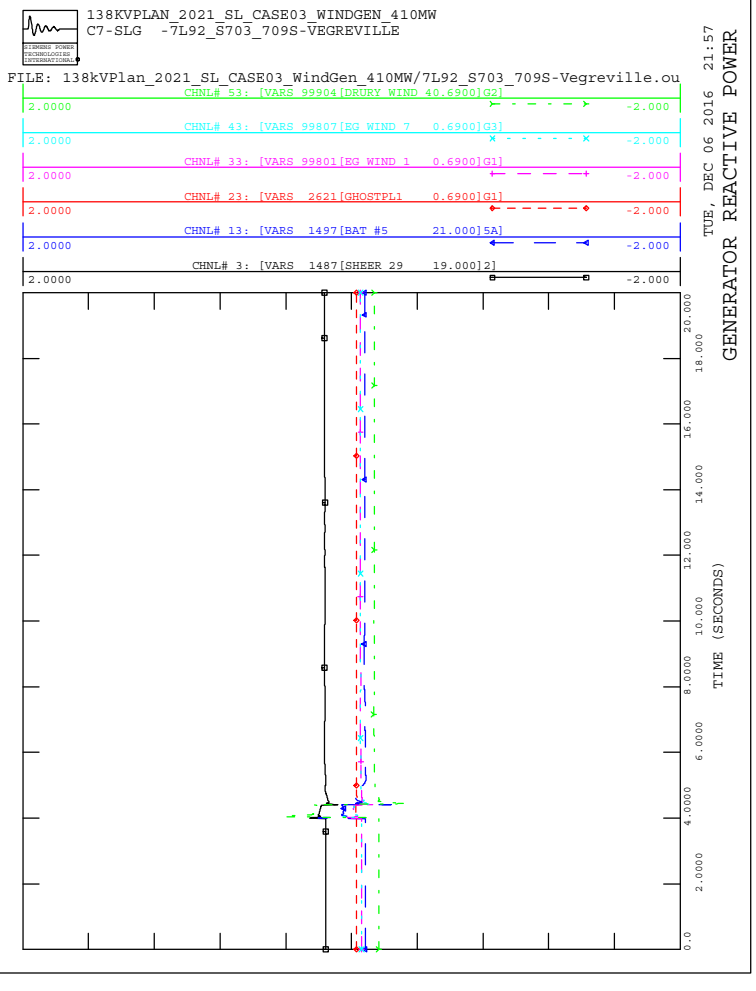
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_S703_709S-Vegreville.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_S703_709S-Vegreville.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_S703_709S-Vegreville.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)

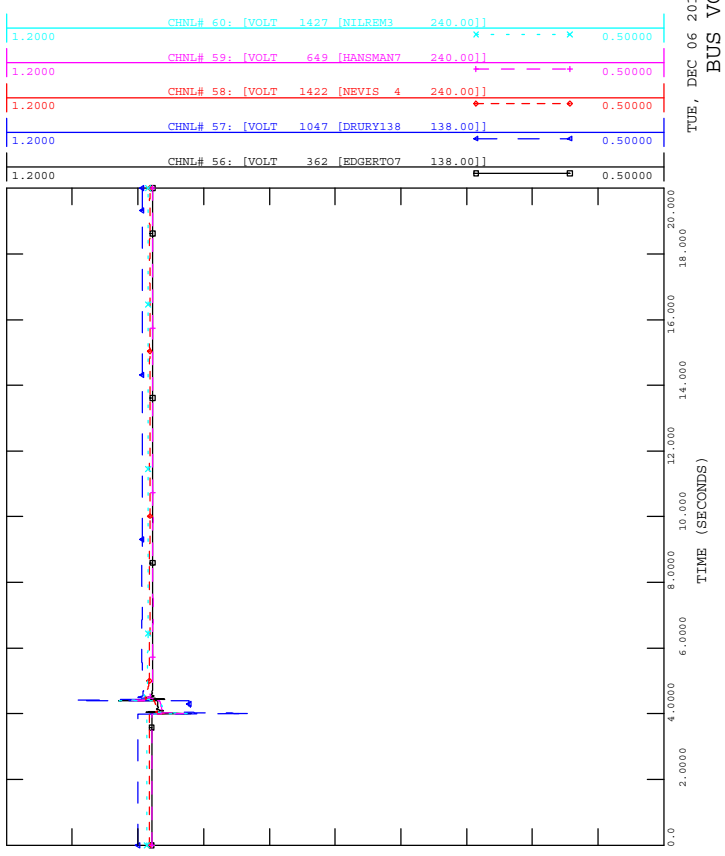

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L92_S703_709S-Vegreville.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_S701_709S-Vegreville.ou

TUE, DEC 06 2016 21:57

BUS VOLTAGE

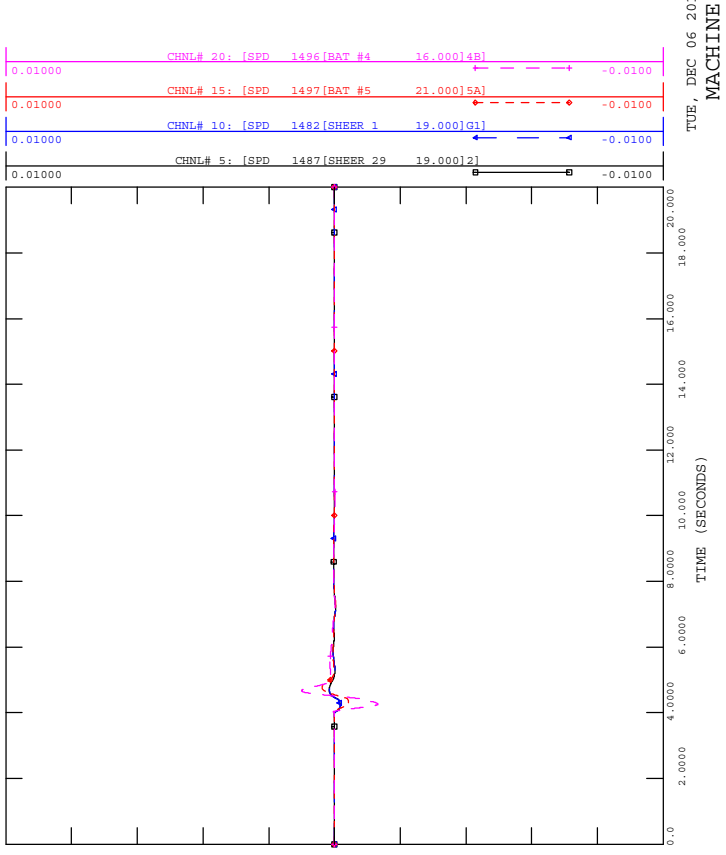


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_S701_709S-Vegreville.ou

TUE, DEC 06 2016 21:57

MACHINE SPEED



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C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_S701_709S-Vegreville.ou

TUE, DEC 06 2016 21:57

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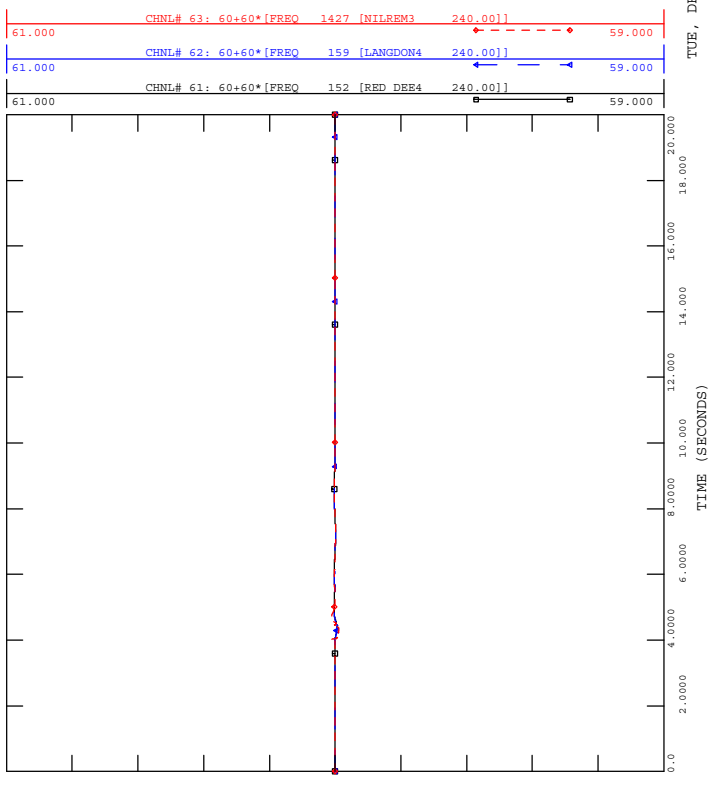
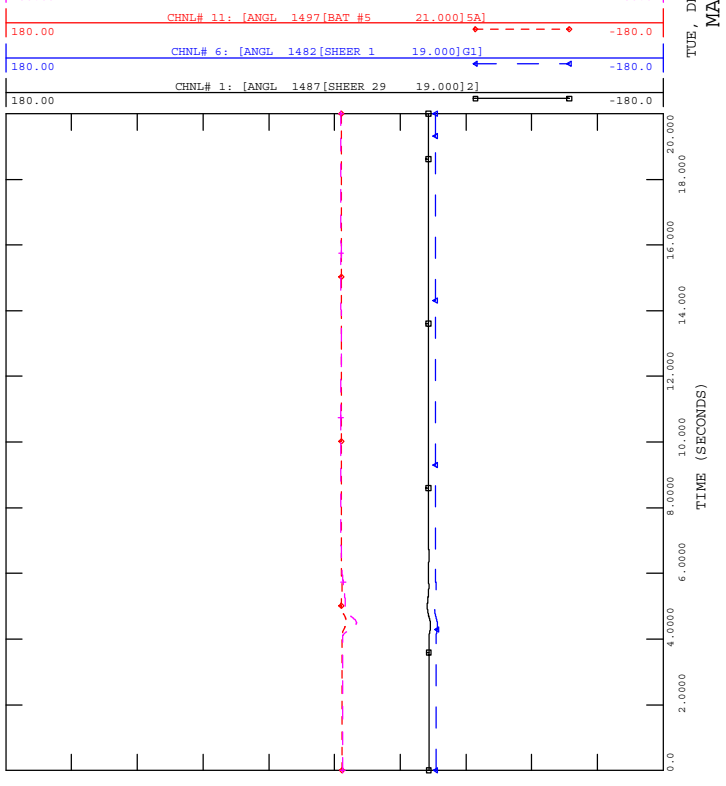


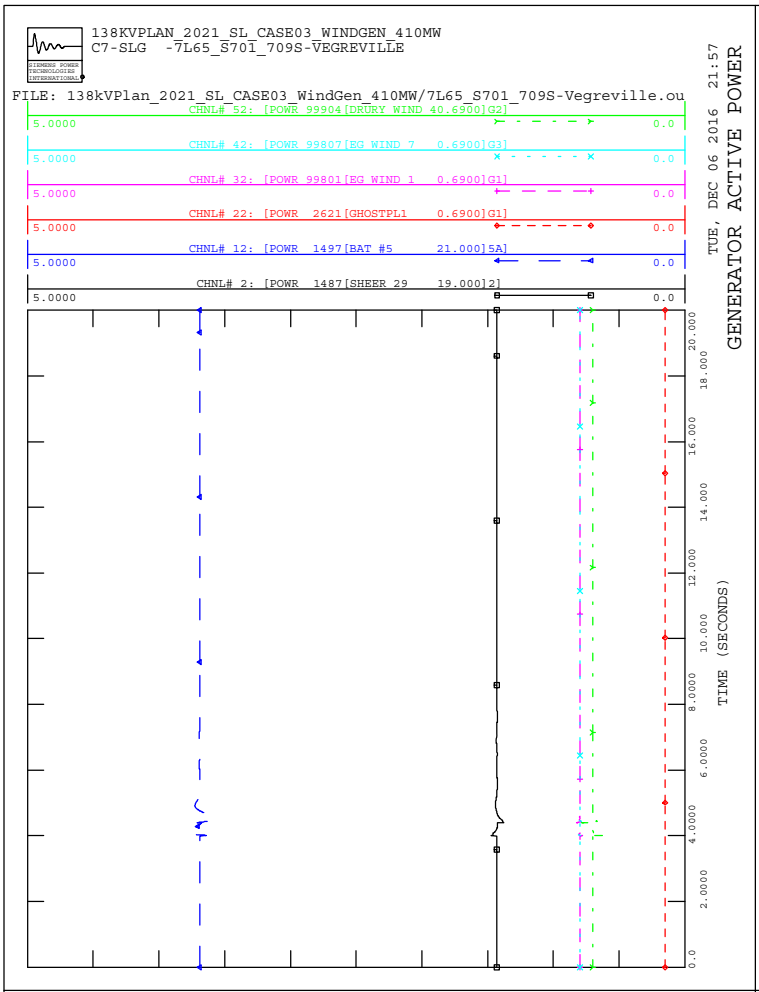
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_S701_709S-Vegreville.ou

TUE, DEC 06 2016 21:57

MACHINE ANGLE

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C7-SLG -7L65_S701_709S-VEGREVILLE
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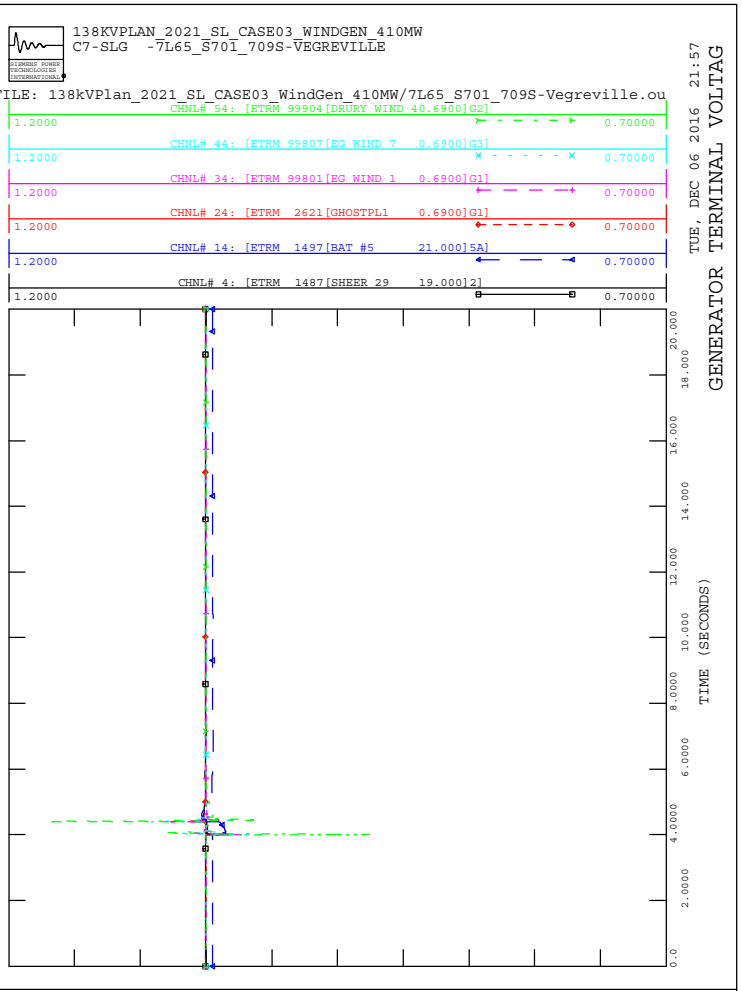
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_S701_709S-Vegreville.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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8.0000
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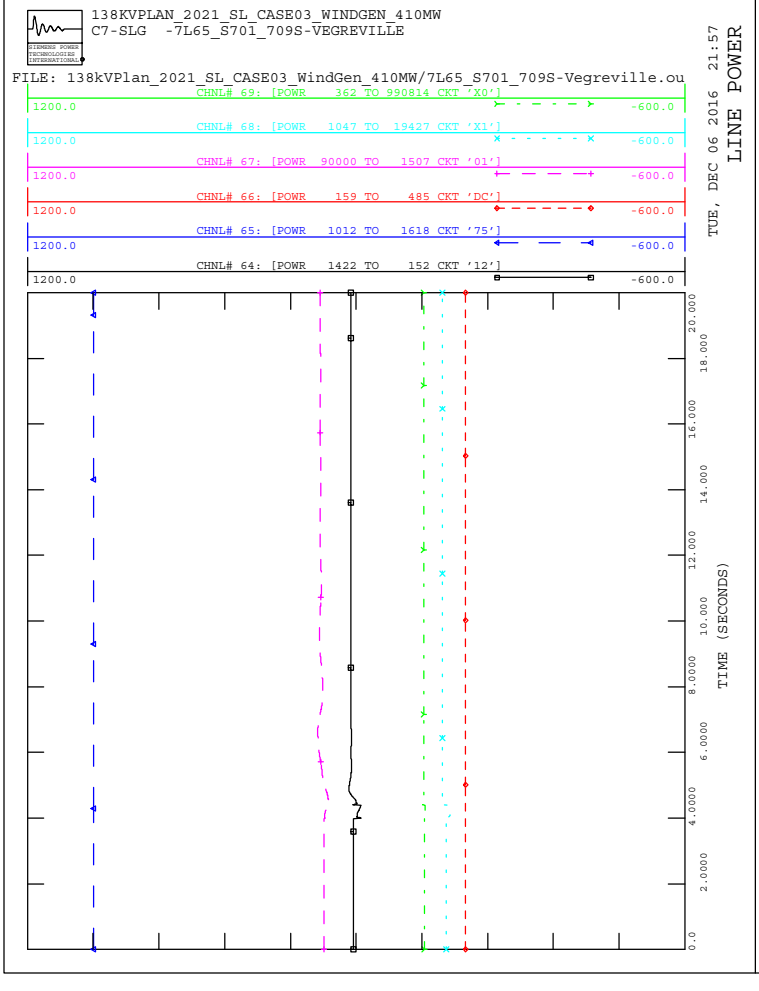
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_S701_709S-Vegreville.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
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8.0000
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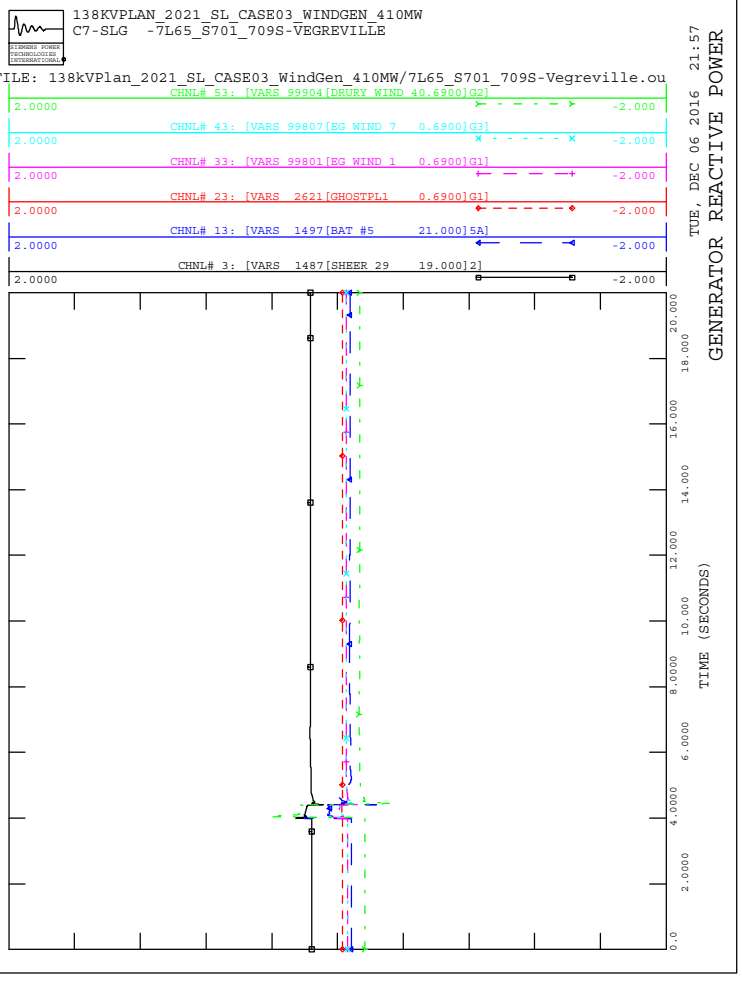
18.000
20.000

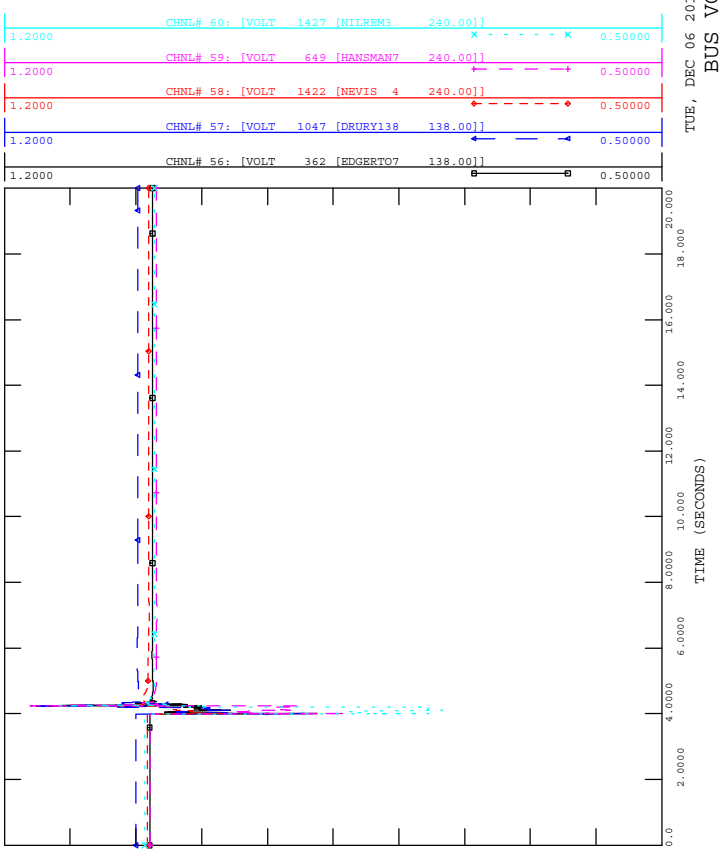

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_S701_709S-Vegreville.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -953L_S552_574S-NILREM

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/953L_S552_574S-Nilrem.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -953L_S552_574S-NILREM

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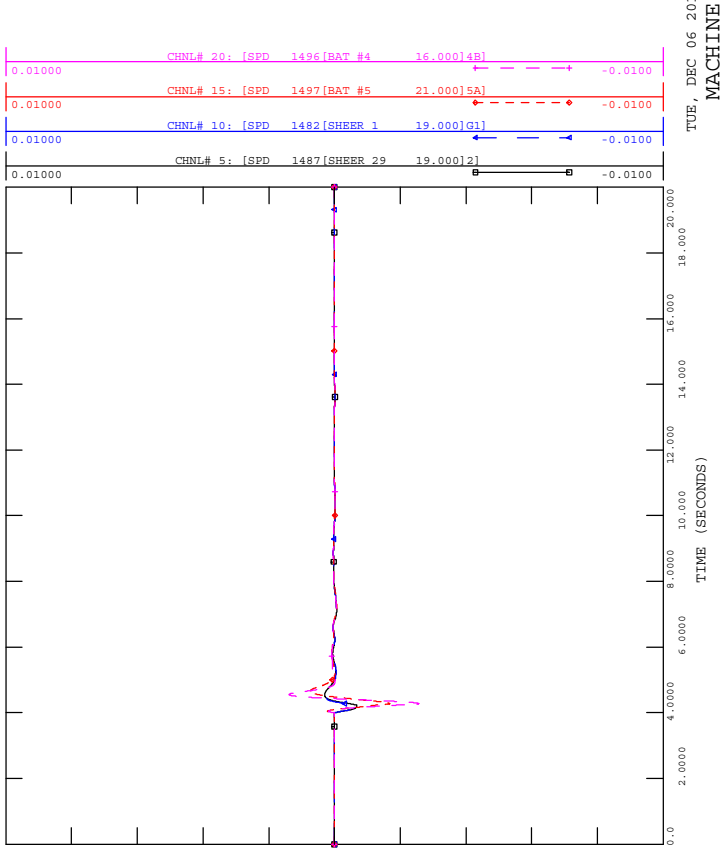
TUE, DEC 06 2016 21:57

MACHINE SPEED



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C7-SLG -953L_S552_574S-NILREM

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TUE, DEC 06 2016 21:57

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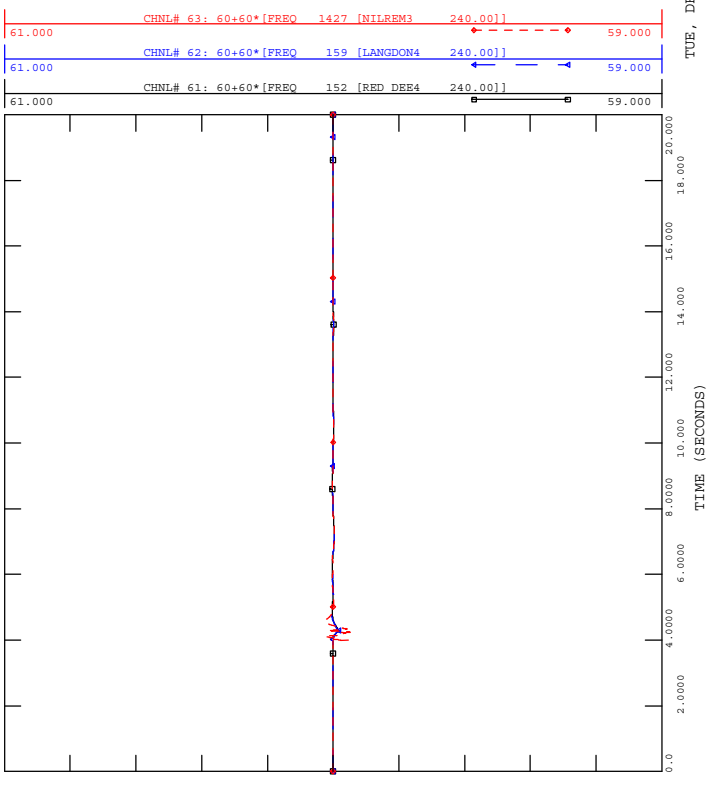

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -953L_S552_574S-NILREM

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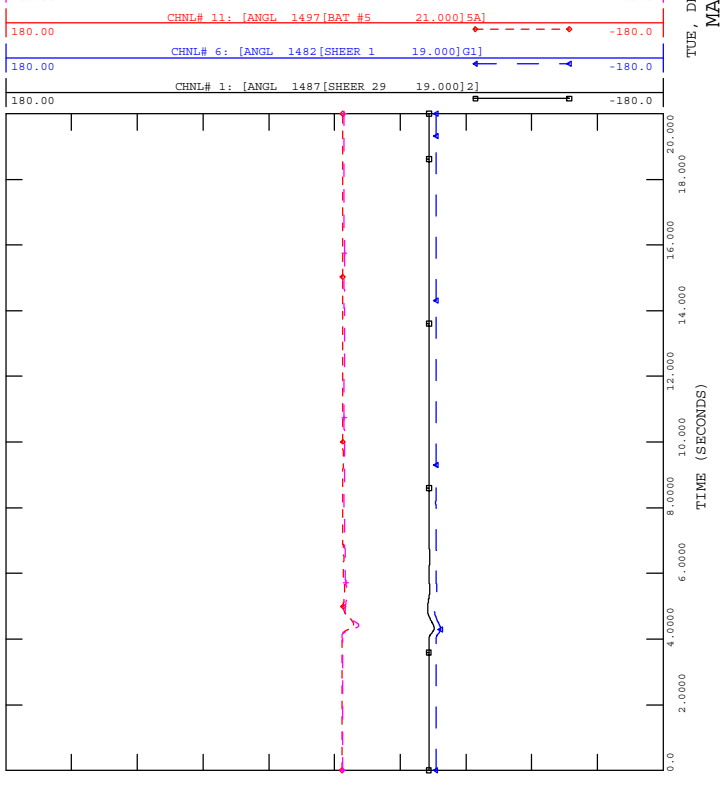
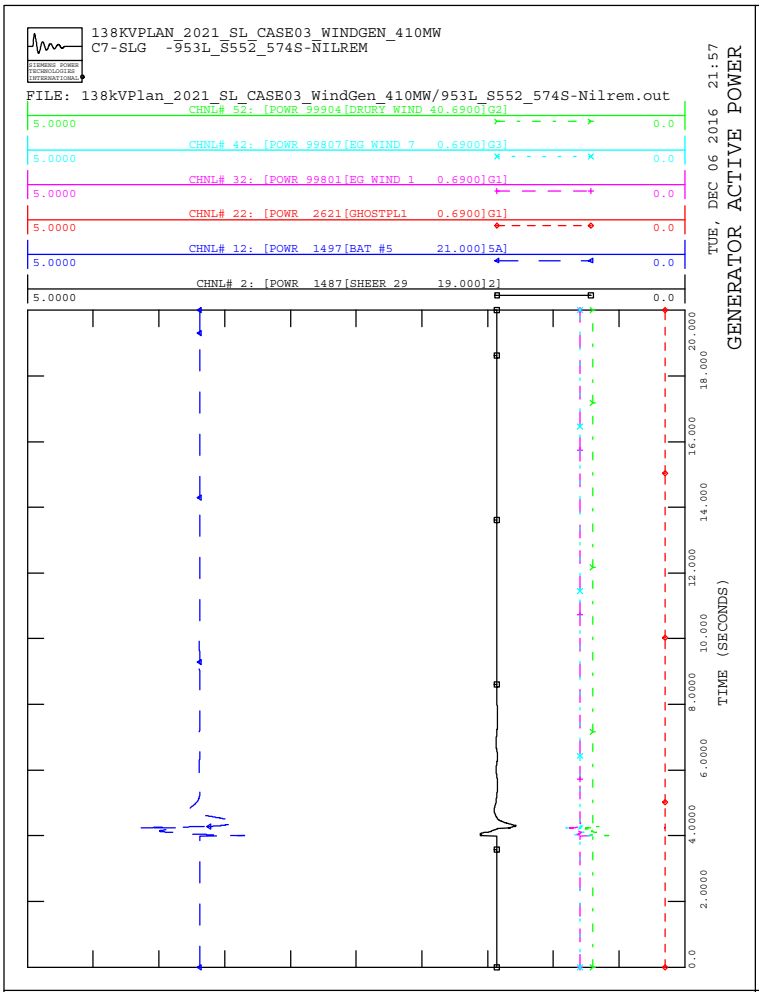
TUE, DEC 06 2016 21:57

MACHINE ANGLE

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C7-SLG -953L_S552_574S-NILREM
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
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10.000
12.000
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16.000
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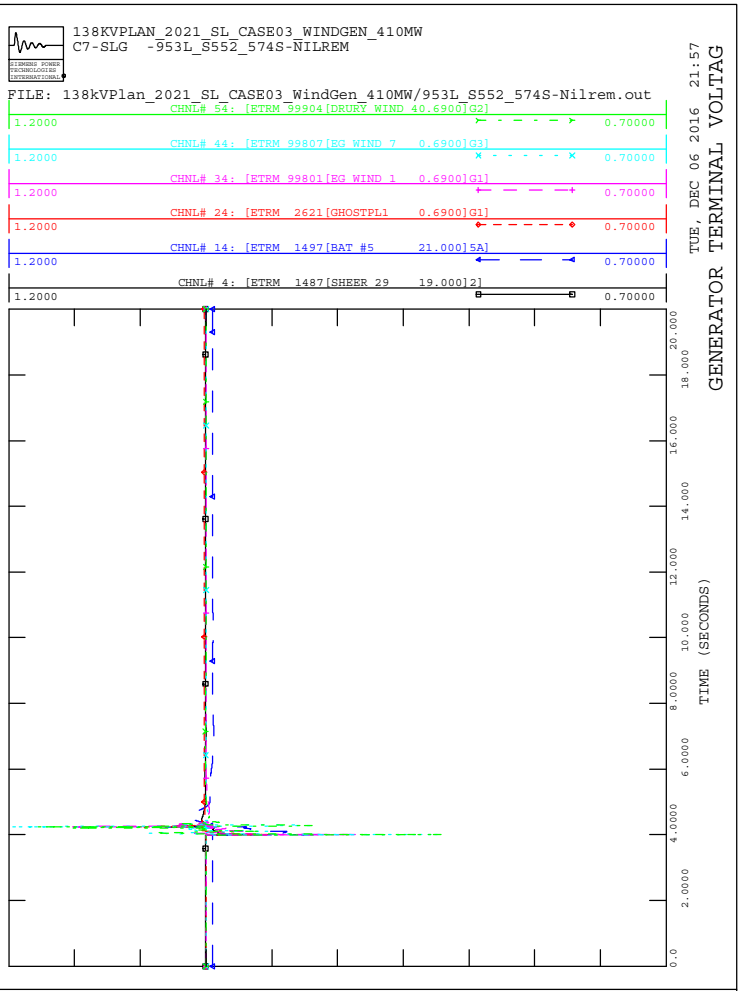
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -953L_S552_574S-NILREM
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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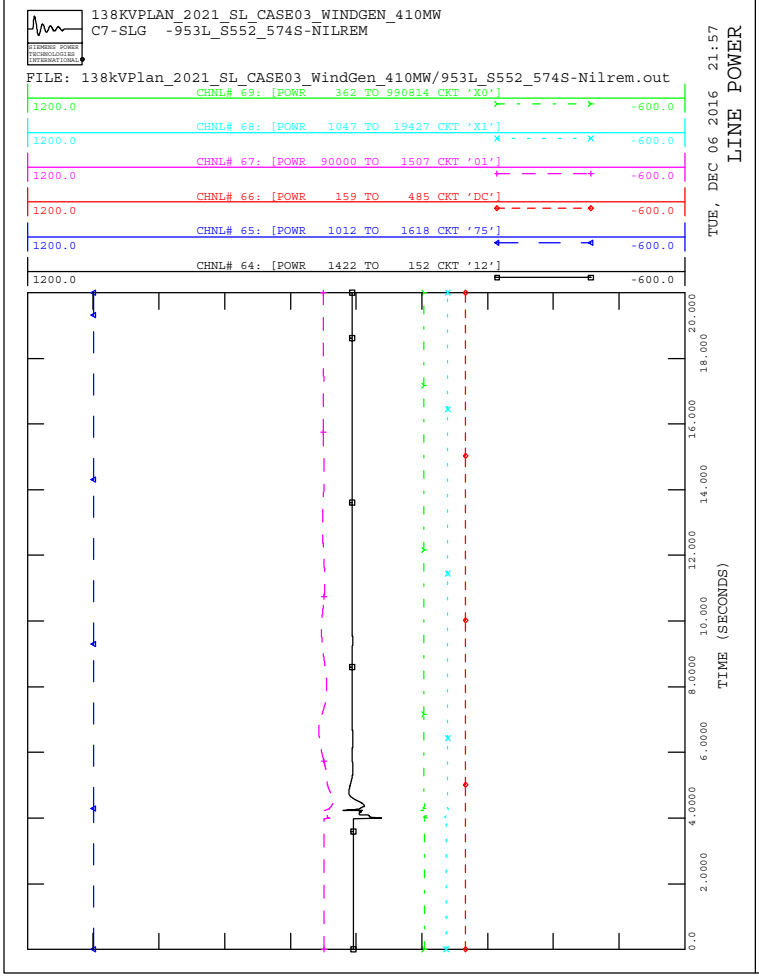
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C7-SLG -953L_S552_574S-NILREM
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/953L_S552_574S-Nilrem.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
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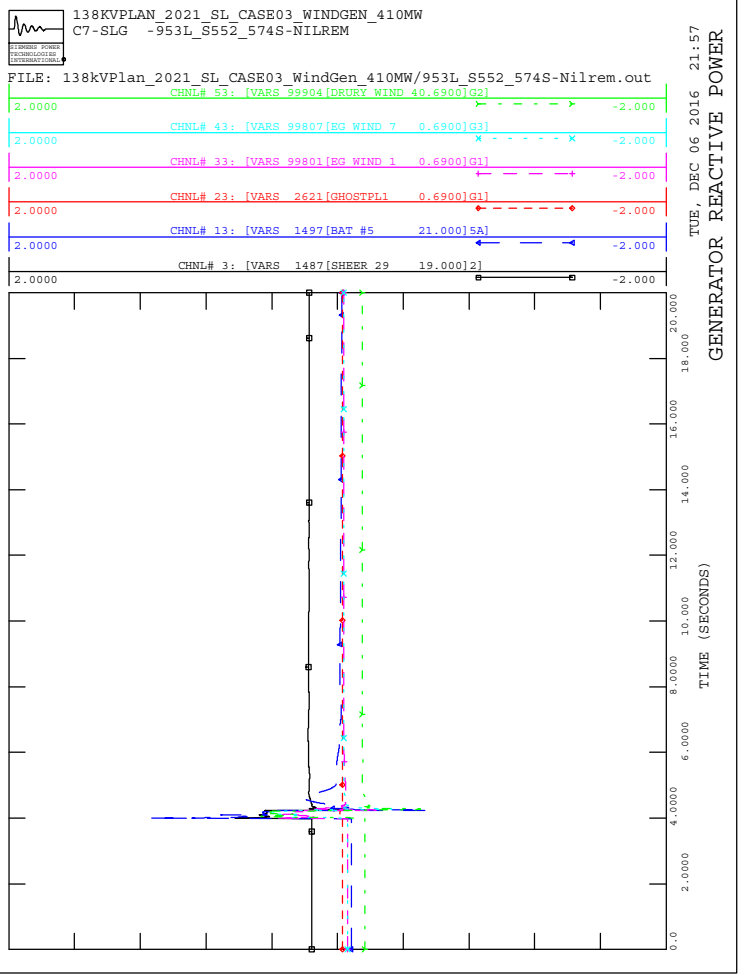
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C7-SLG -953L_S552_574S-NILREM
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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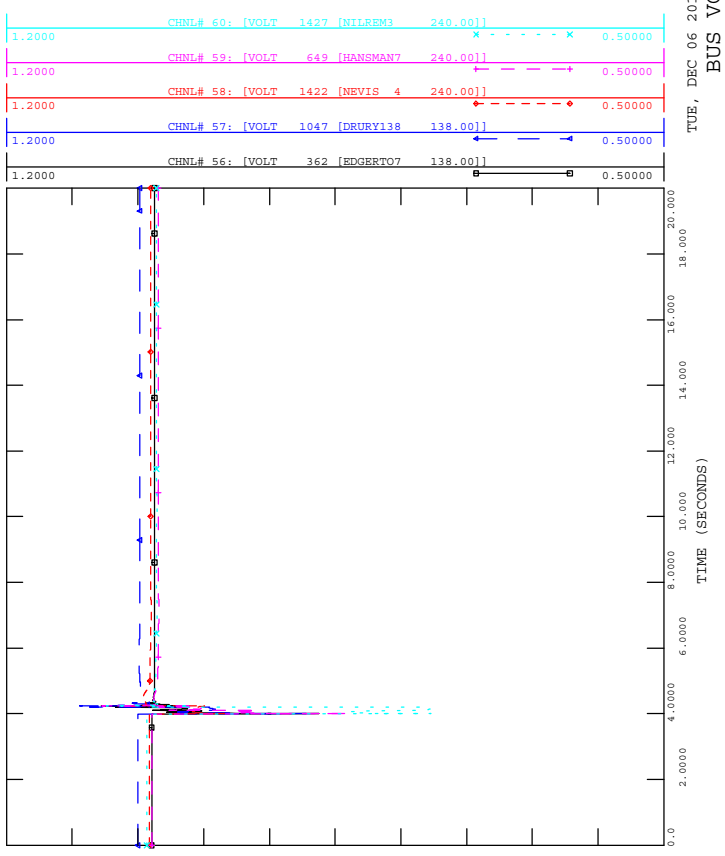
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_S552_574S-Nilrem.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE

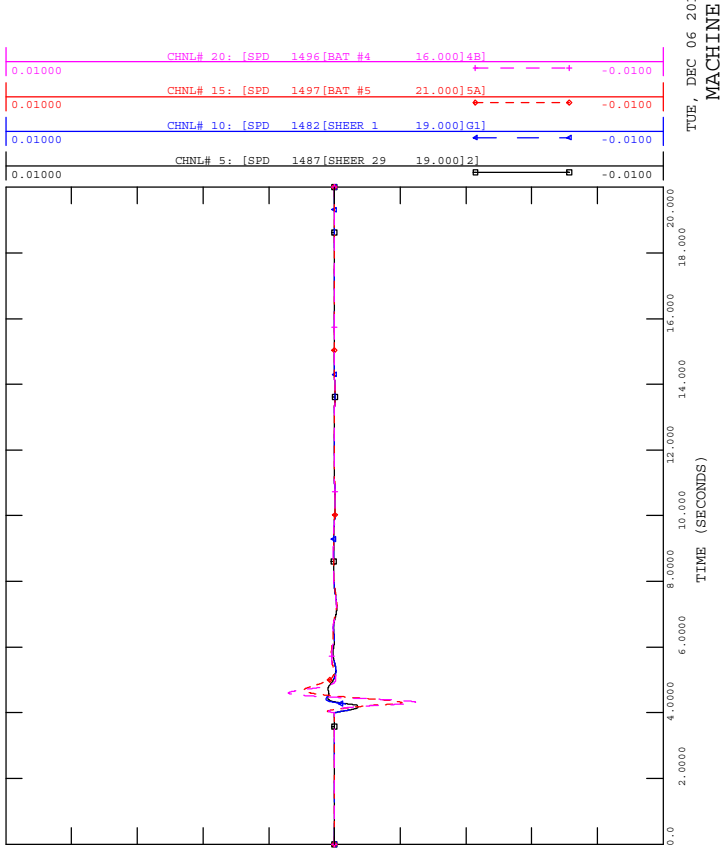


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_S552_574S-Nilrem.out

TUE, DEC 06 2016 21:57

MACHINE SPEED



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C7-SLG -1047L_S552_574S-NILREM

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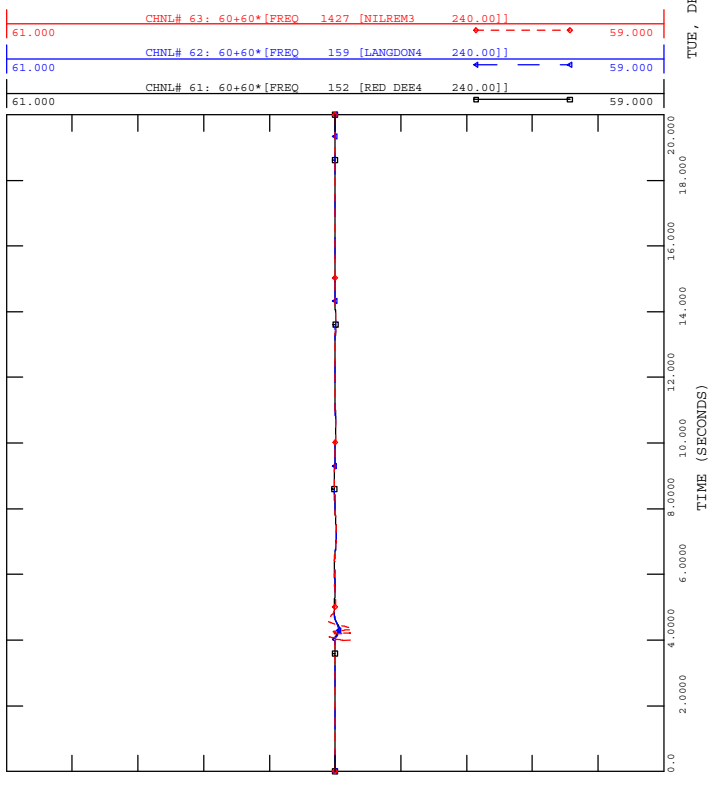
FREQUENCY



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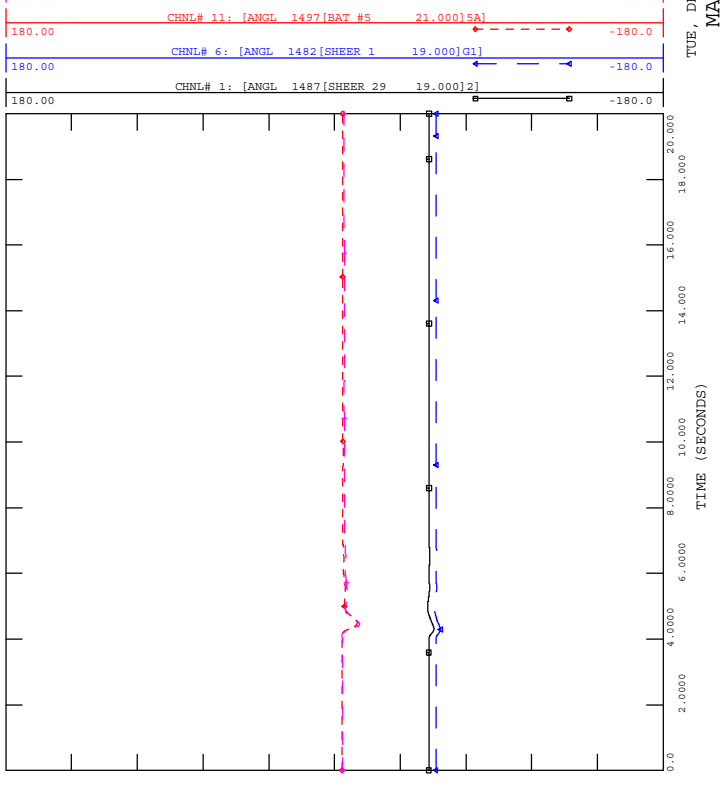
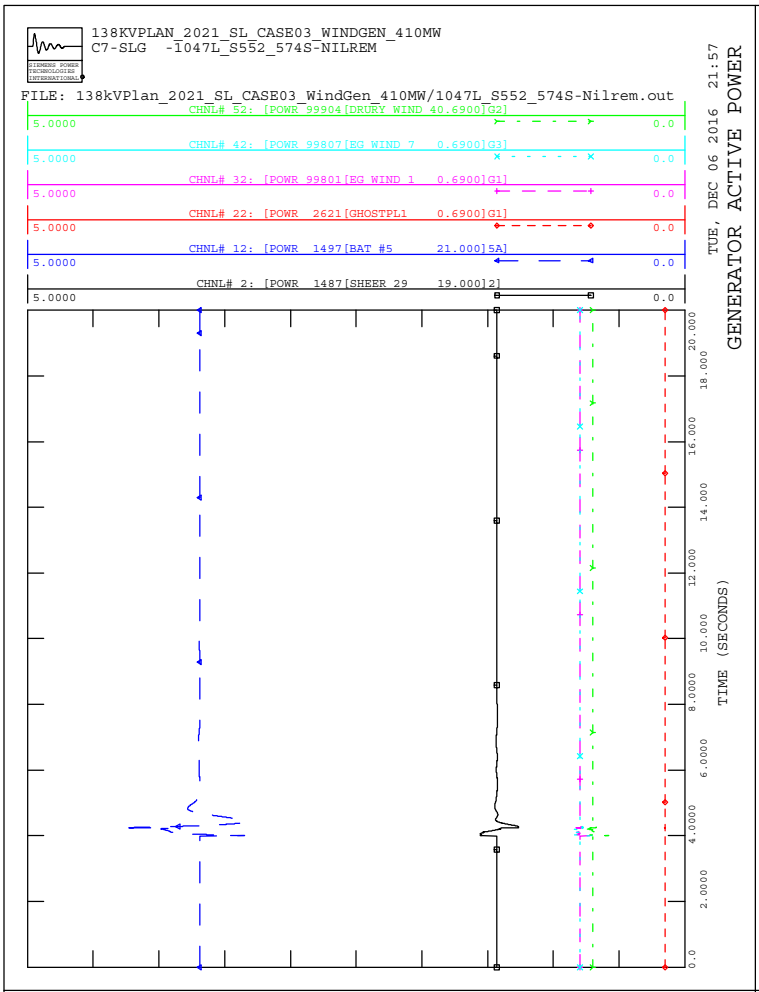
MACHINE ANGLE

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C7-SLG -1047L_S552_574S-NILREM
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_S552_574S-Nilrem.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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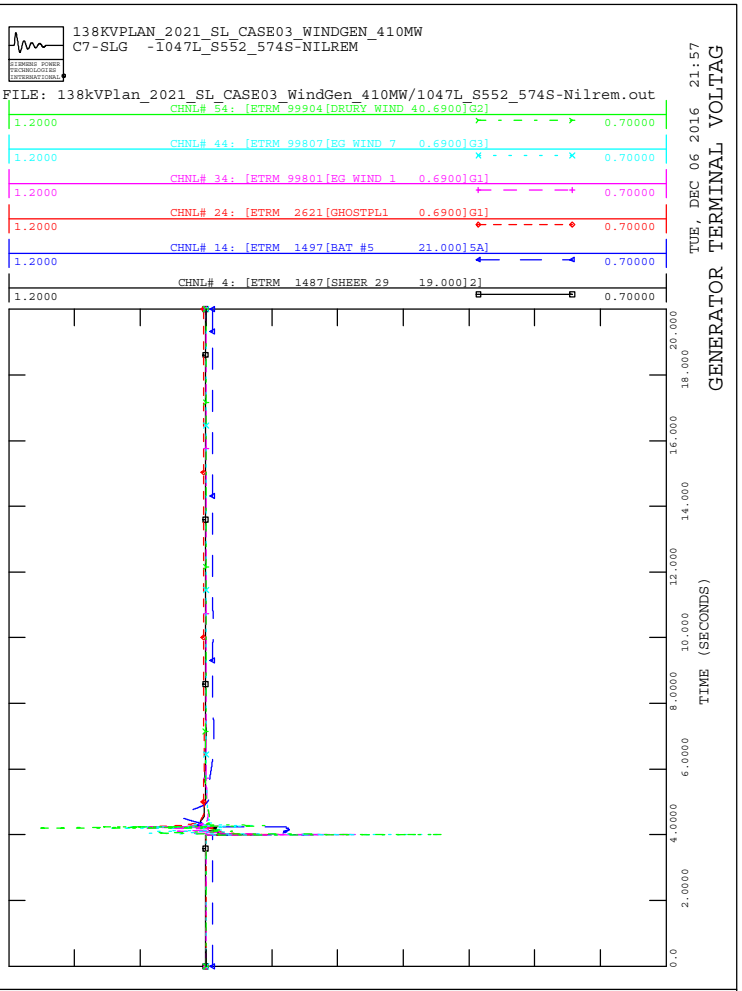
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -1047L_S552_574S-NILREM
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/1047L_S552_574S-Nilrem.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
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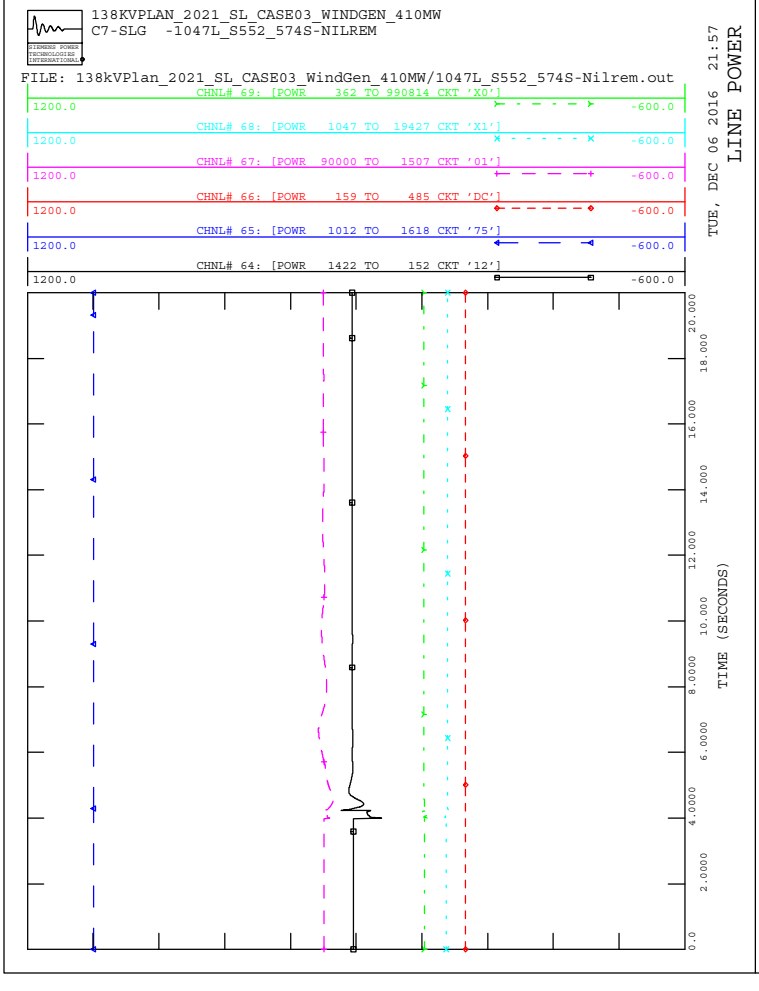
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C7-SLG -1047L_S552_574S-NILREM
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CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
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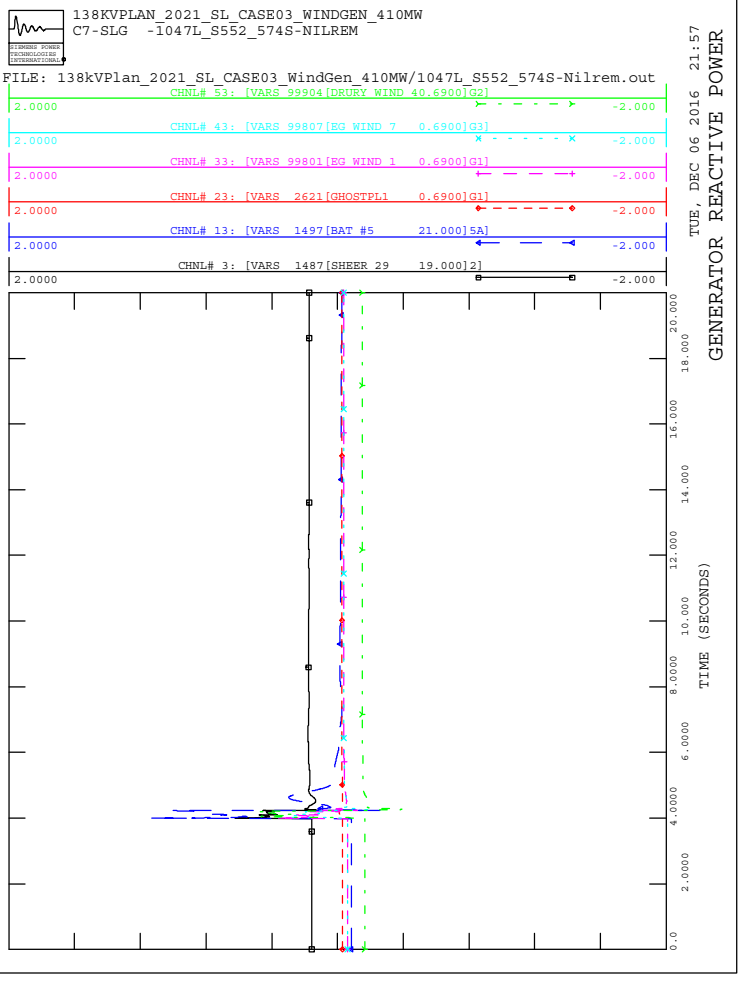
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C7-SLG -1047L_S552_574S-NILREM
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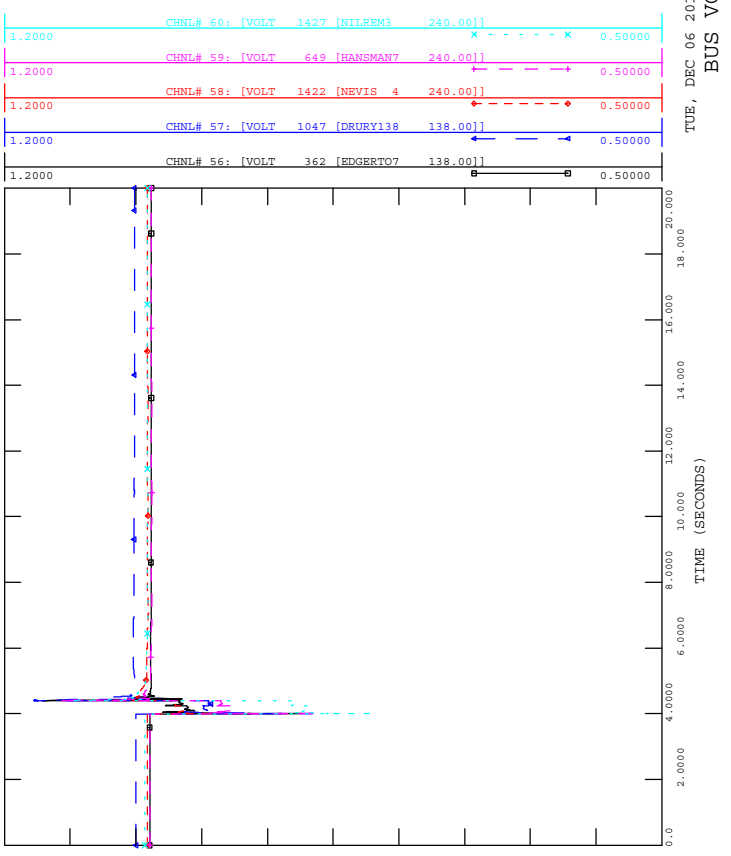
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW NILREM-DRURY 138_574S-NILREM

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Nilrem-Drury 138_574S-Ni

TUE, DEC 06 2016 21:57

BUS VOLTAGE

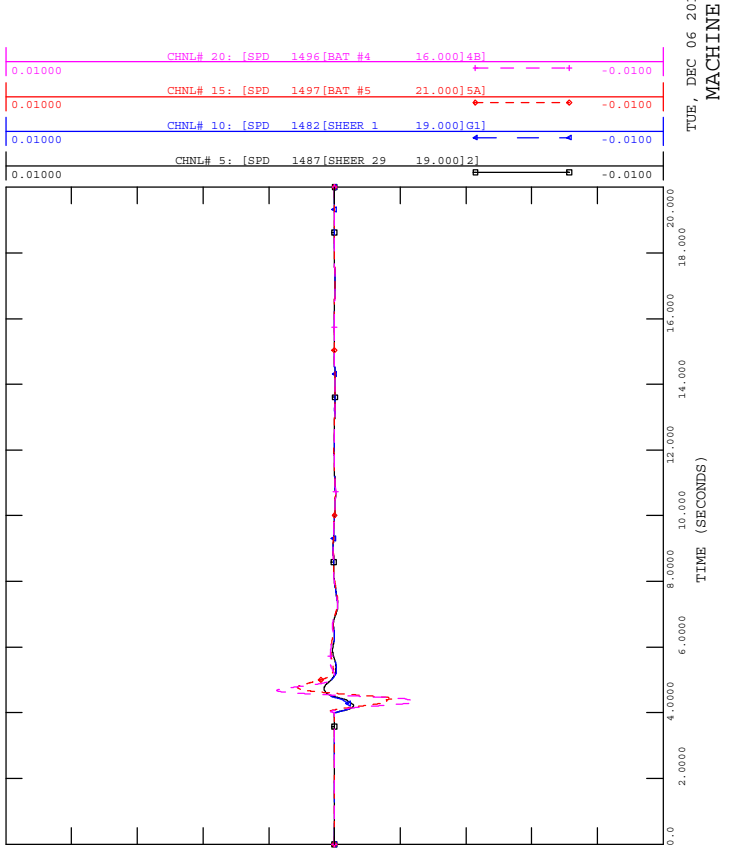


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW NILREM-DRURY 138_574S-NILREM

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Nilrem-Drury 138_574S-Ni

TUE, DEC 06 2016 21:57

MACHINE SPEED

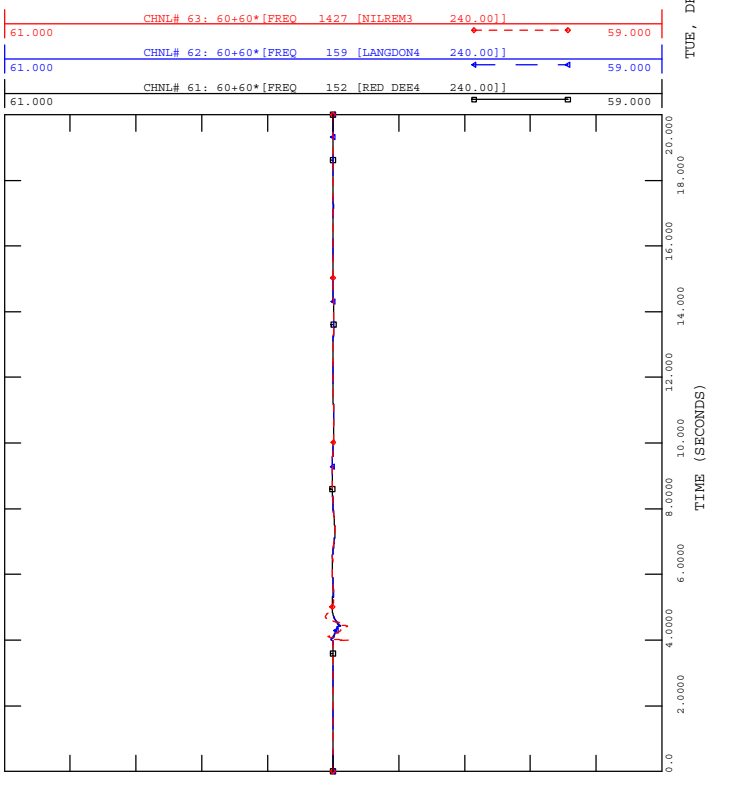


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW NILREM-DRURY 138_574S-NILREM

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Nilrem-Drury 138_574S-Ni

TUE, DEC 06 2016 21:57

FREQUENCY

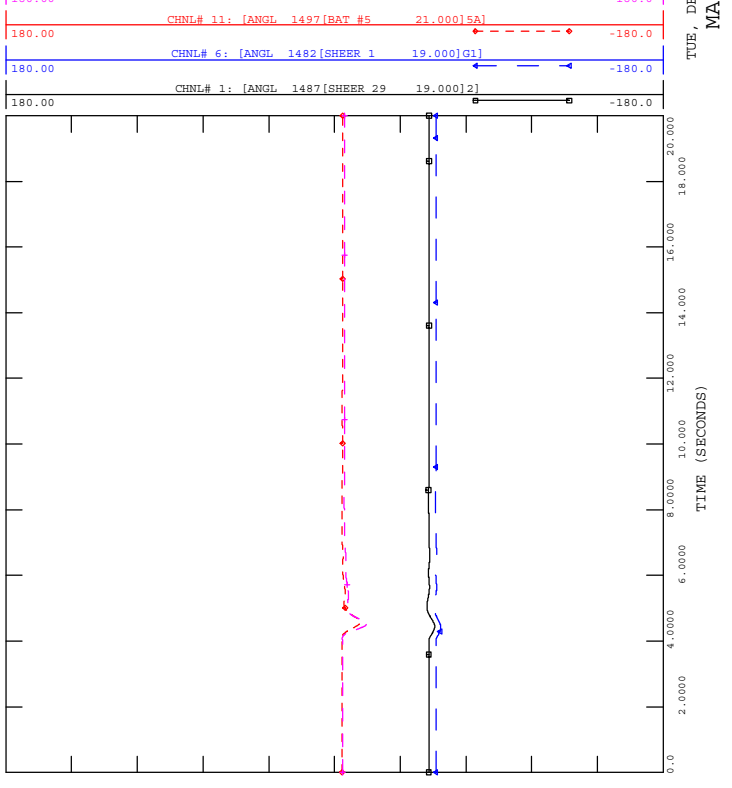


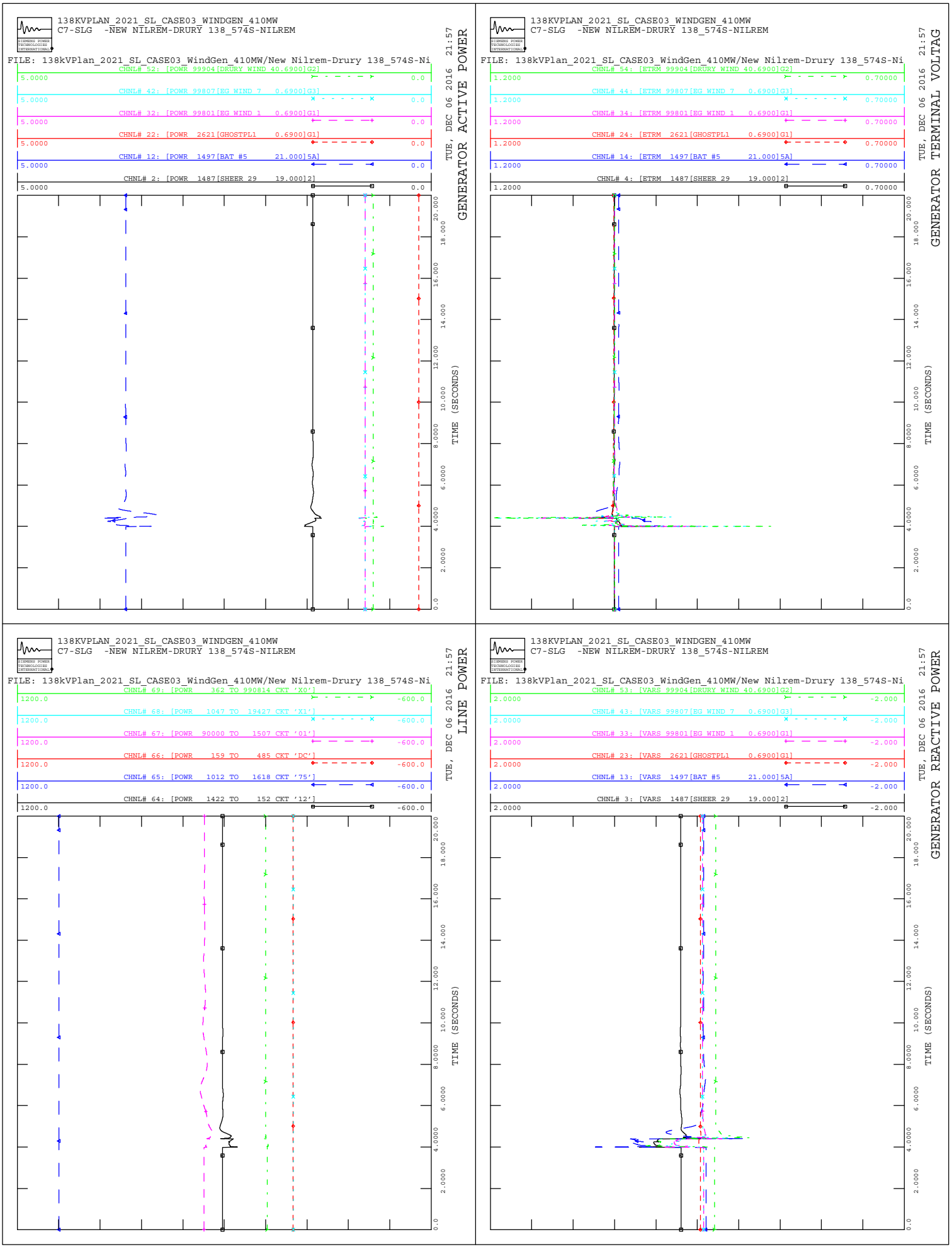
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW NILREM-DRURY 138_574S-NILREM

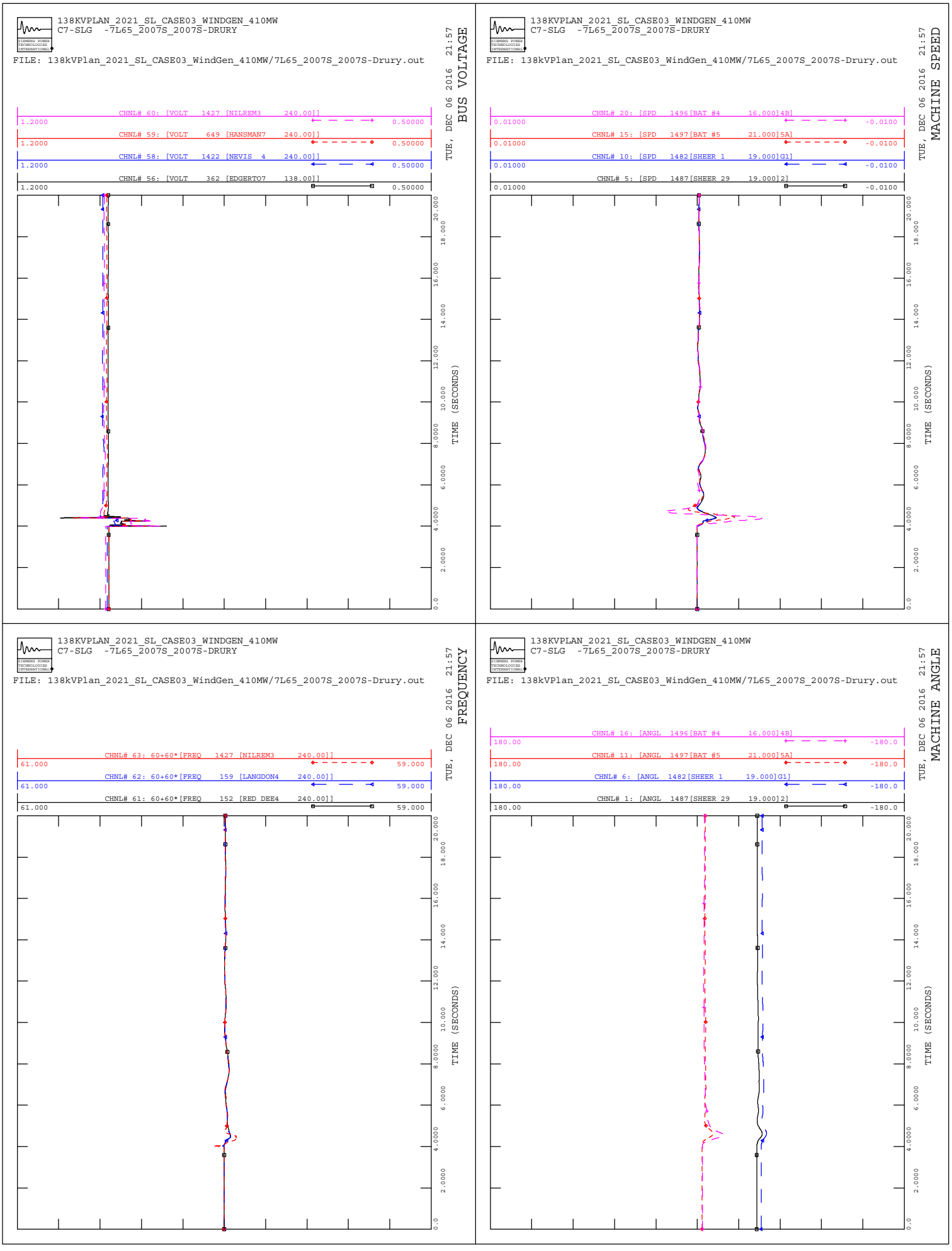
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Nilrem-Drury 138_574S-Ni

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW NILREM-DRURY 138_574S-NILREM
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Nilrem-Drury 138_574S-Ni
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_2007S_2007S-Drury.out
TUE, DEC 06 2016 21:57
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.50000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_2007S_2007S-Drury.out
TUE, DEC 06 2016 21:57
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_2007S_2007S-Drury.out
TUE, DEC 06 2016 21:57
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_2007S_2007S-Drury.out
TUE, DEC 06 2016 21:57
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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4.0000
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10.000
12.000
14.000
16.000
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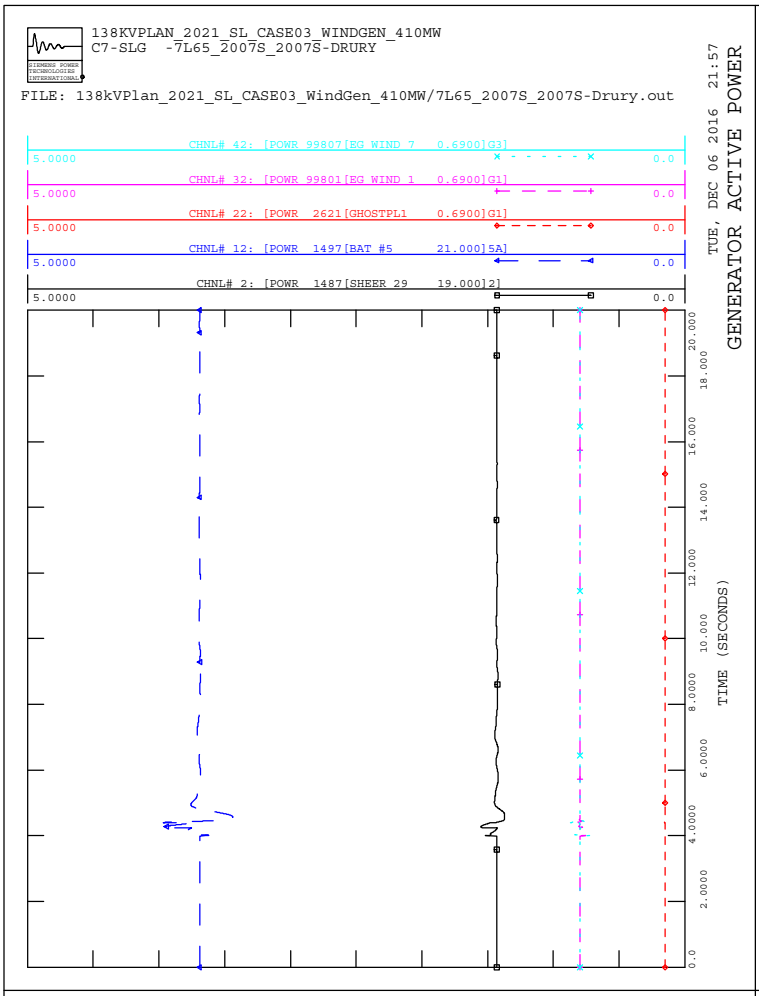
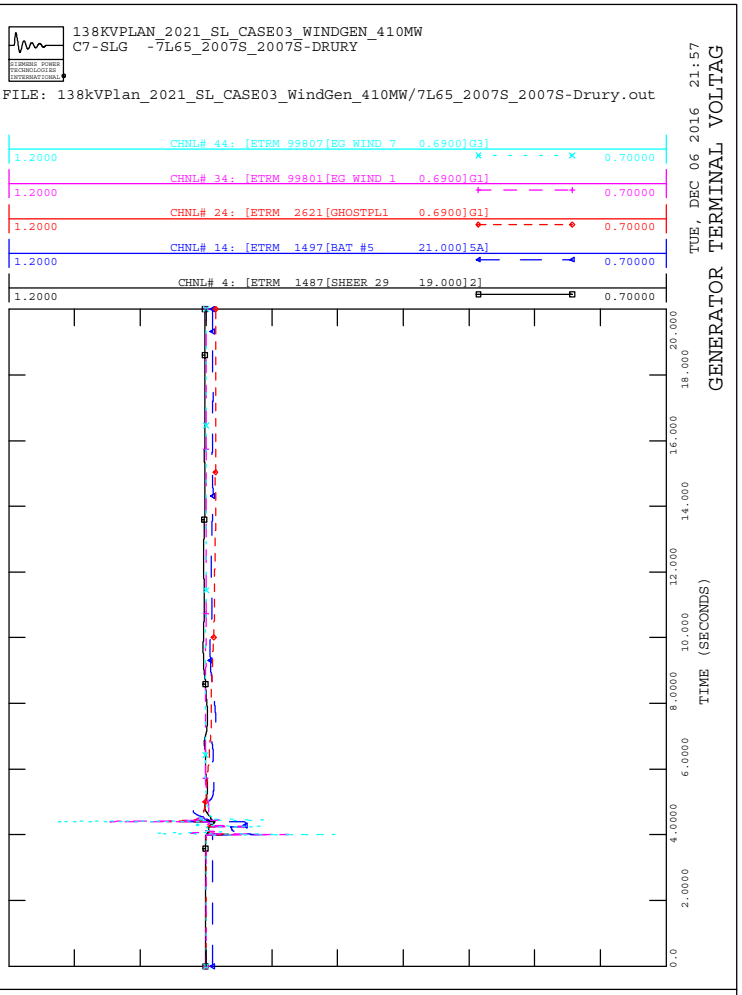
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_2007S_2007S-Drury.out
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_2007S_2007S-Drury.out
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
14.000
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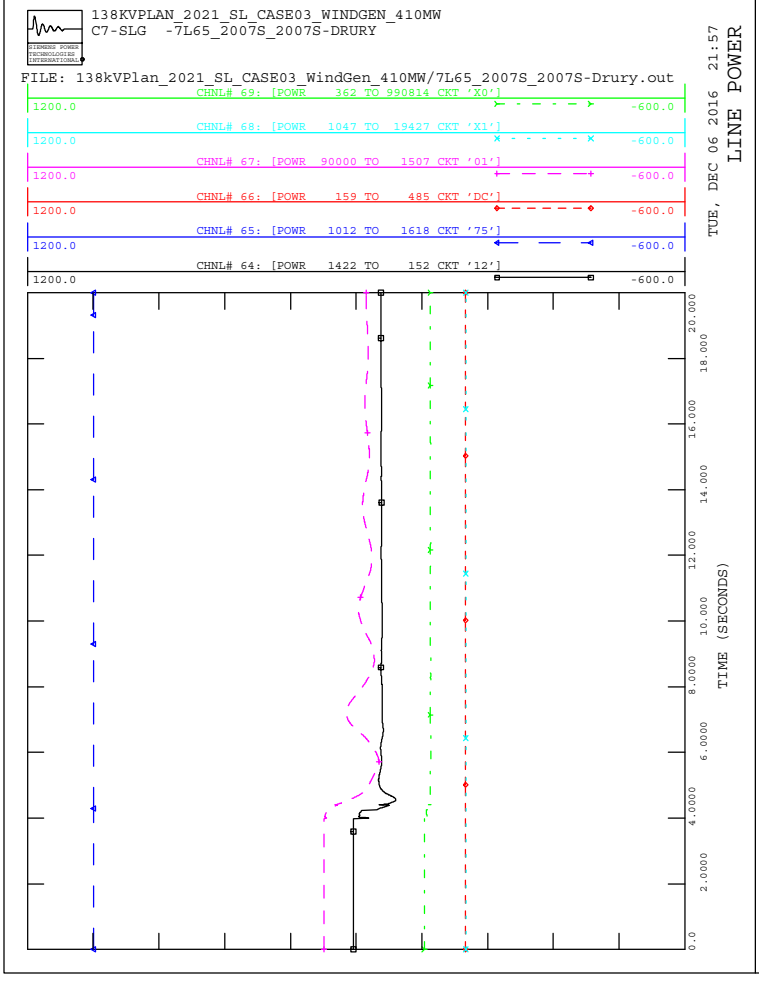
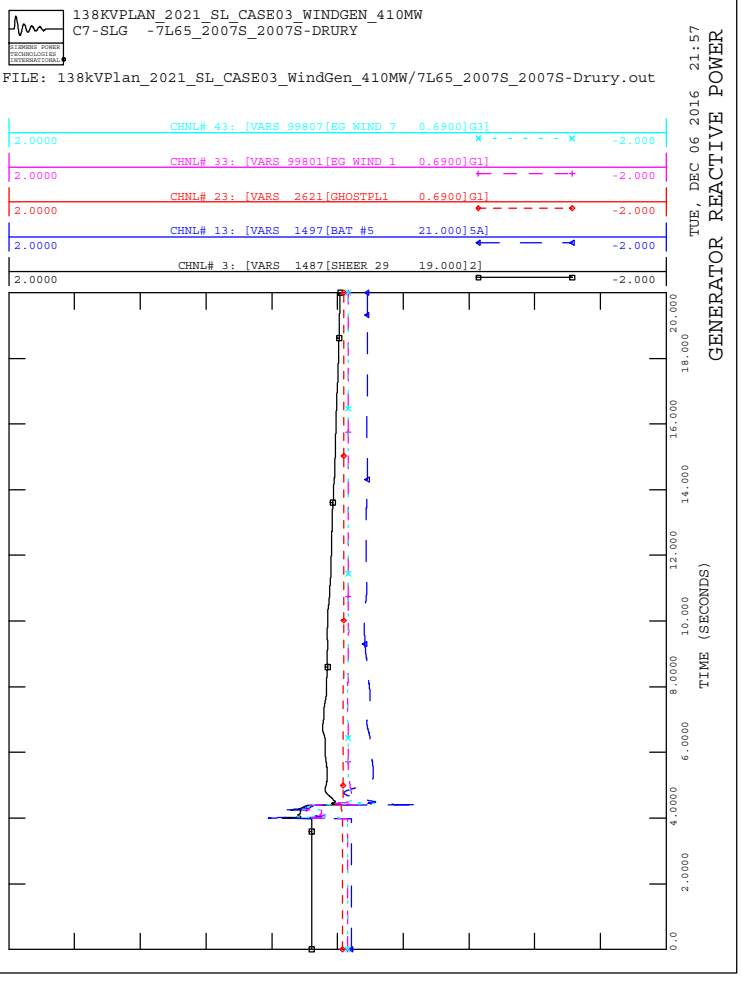
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_2007S_2007S-Drury.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

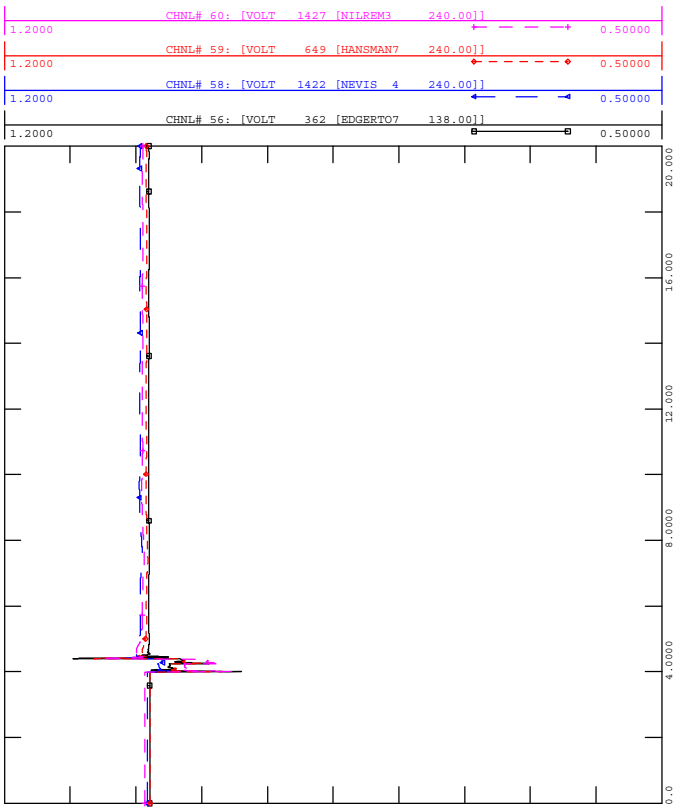

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L65_2007S_2007S-Drury.out
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_2007S_2007S-Drury.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE

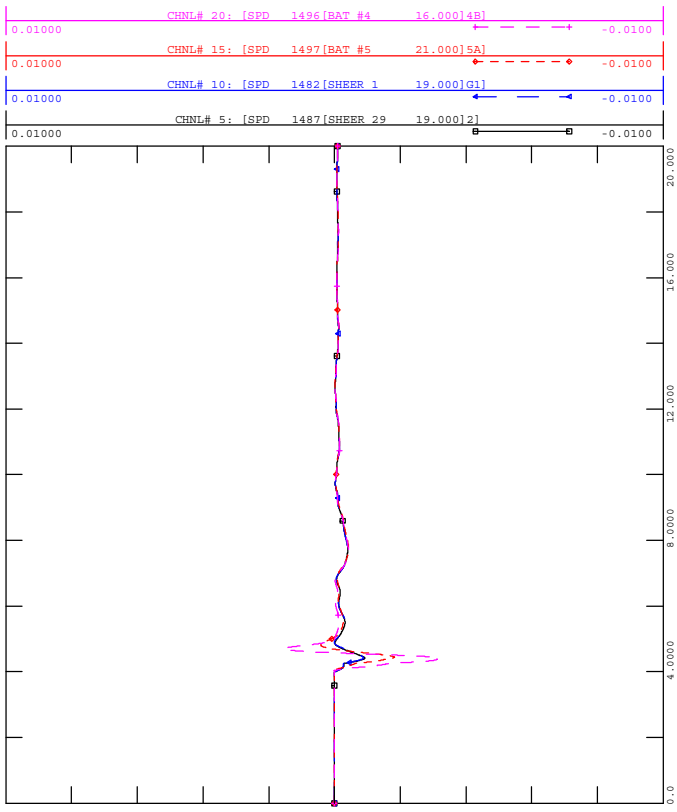


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_2007S_2007S-Drury.out

TUE, DEC 06 2016 21:57

MACHINE SPEED



138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_2007S_2007S-Drury.out

TUE, DEC 06 2016 21:57

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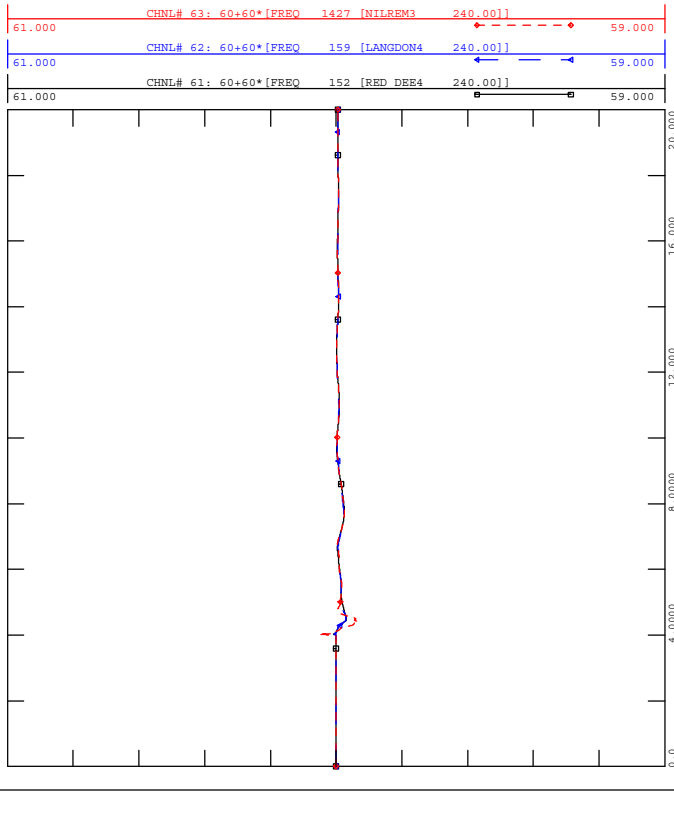
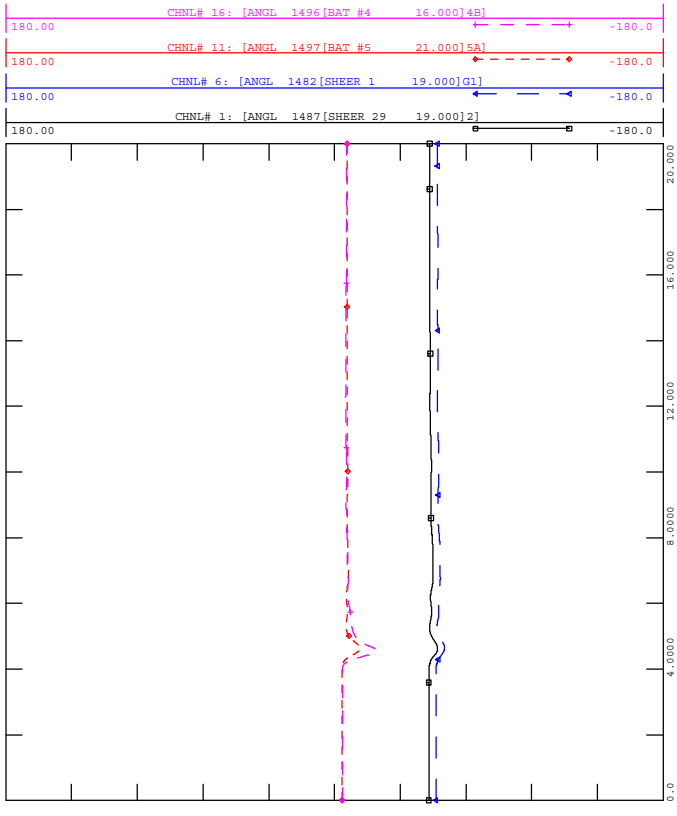


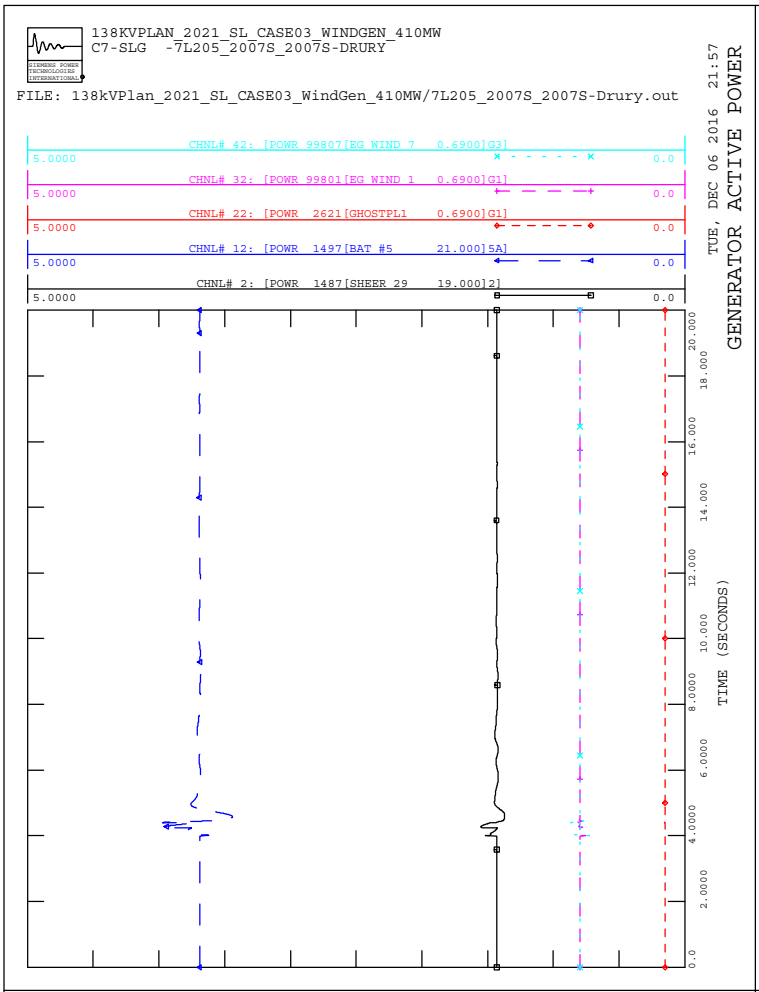
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_2007S_2007S-Drury.out

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_2007S_2007S-Drury.out
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
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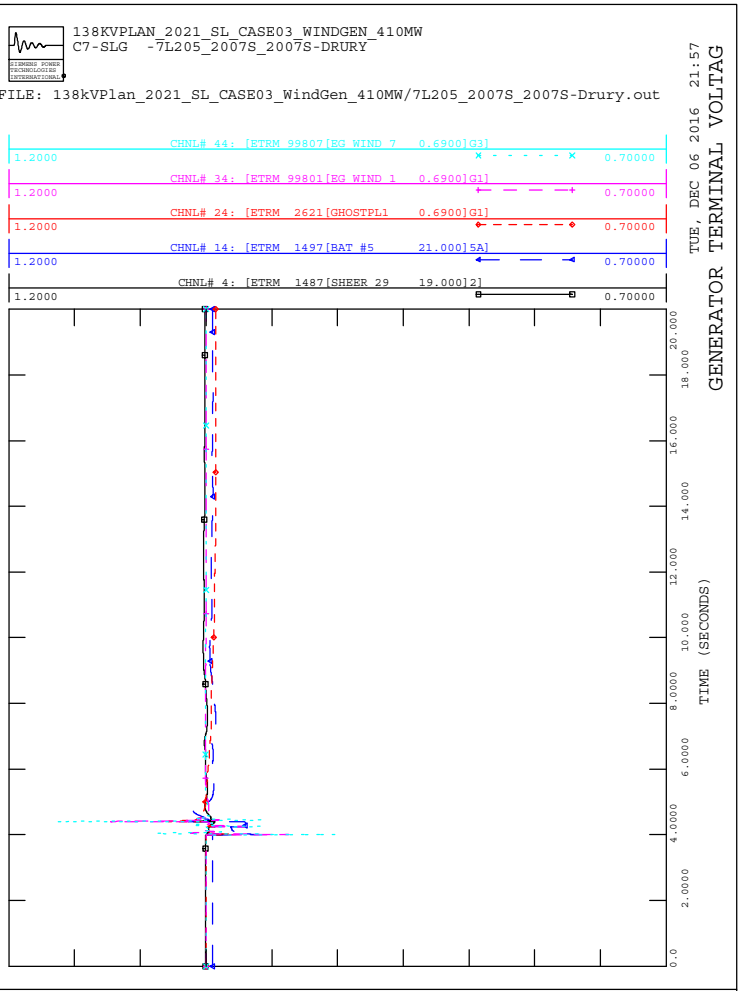
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_2007S_2007S-Drury.out
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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12.000
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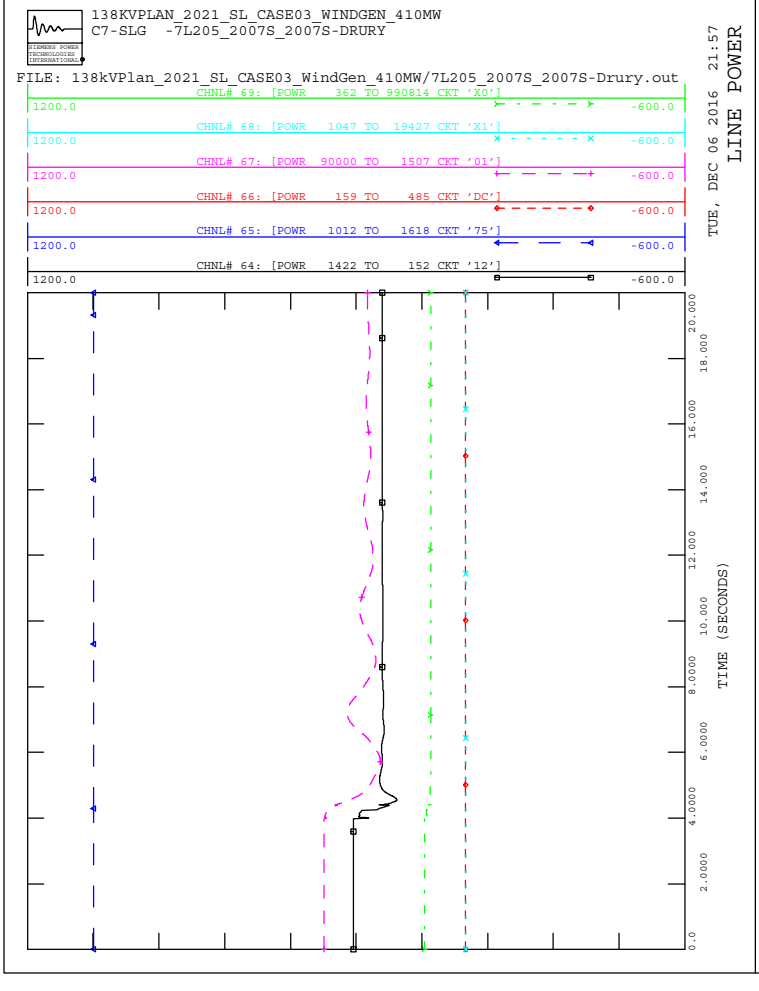
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_2007S_2007S-Drury.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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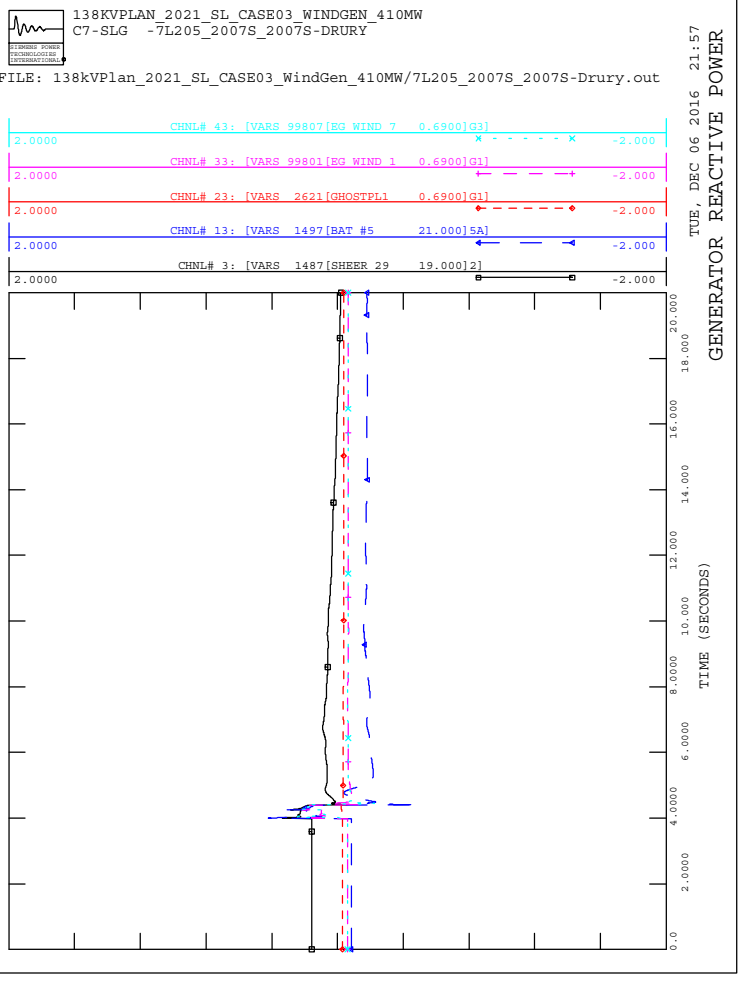
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L205_2007S_2007S-Drury.out
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
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12.000
14.000
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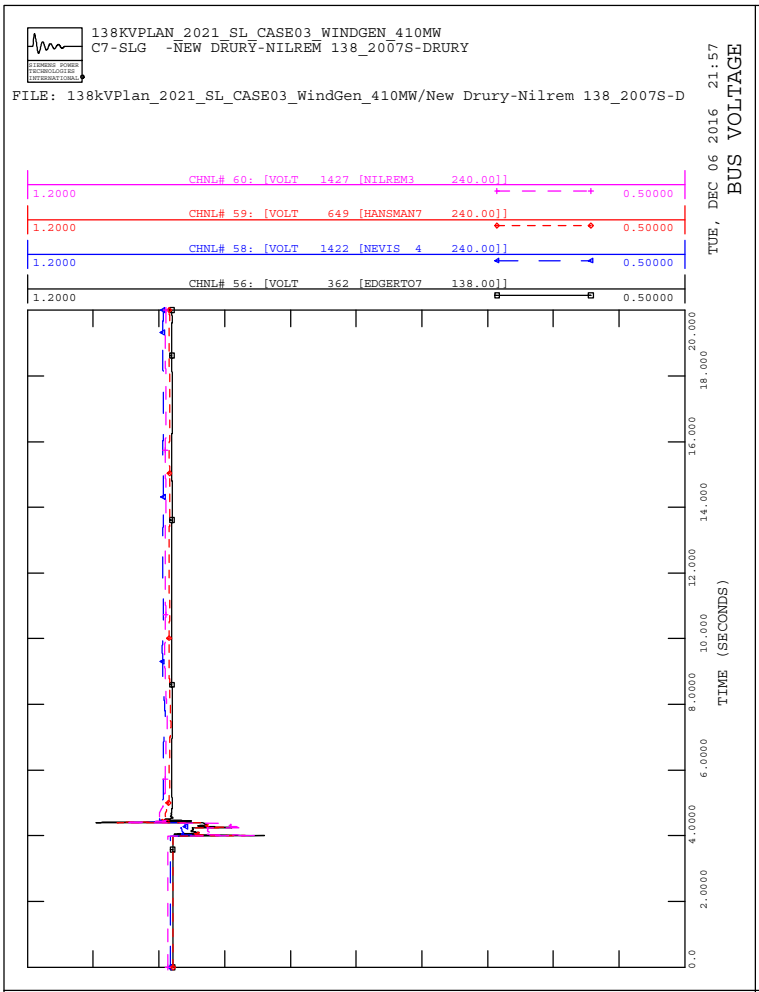
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Drury-Nilrem 138_2007S-D
TUE, DEC 06 2016 21:57
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.50000
TIME (SECONDS)
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4.0000
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16.000
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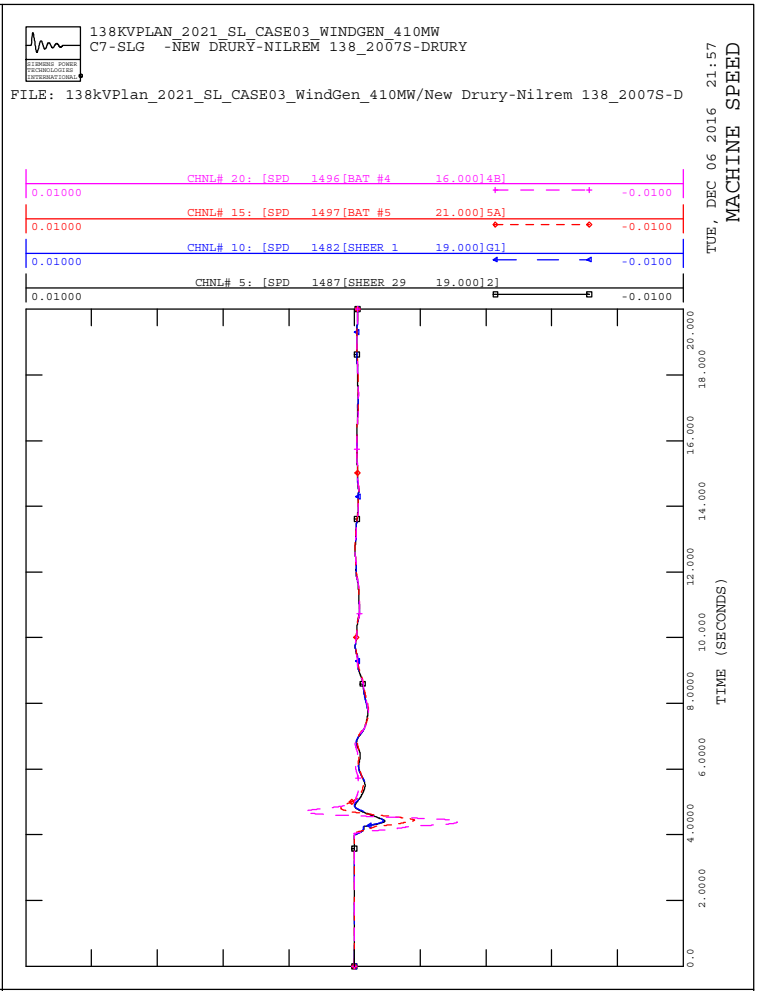
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Drury-Nilrem 138_2007S-D
TUE, DEC 06 2016 21:57
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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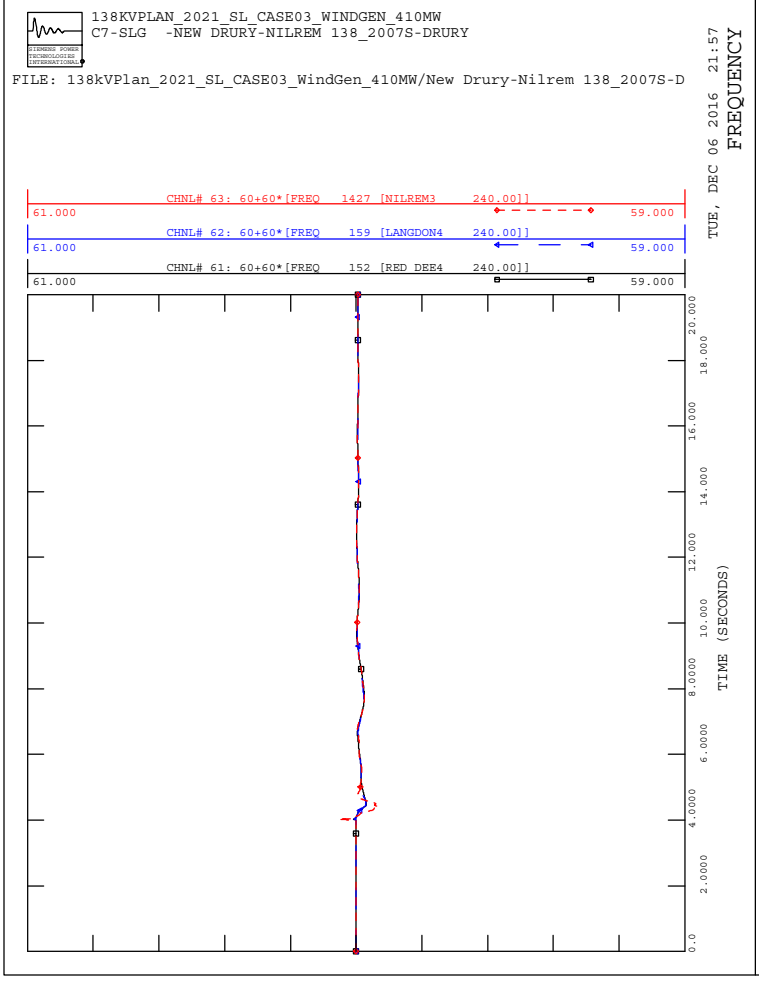
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Drury-Nilrem 138_2007S-D
TUE, DEC 06 2016 21:57
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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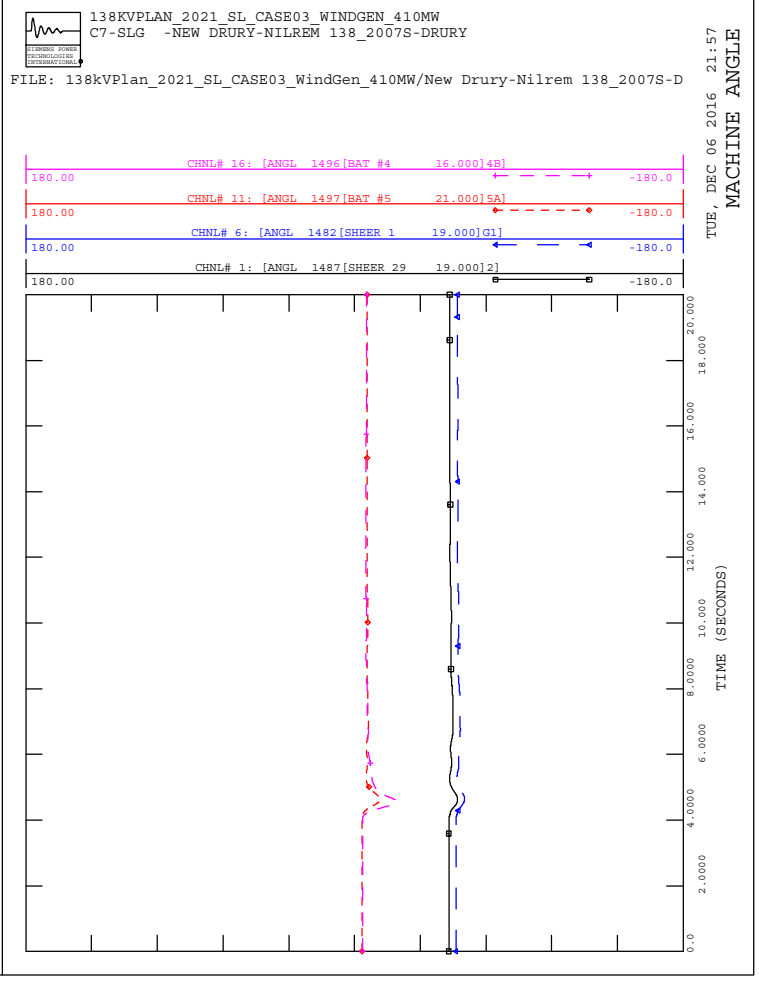
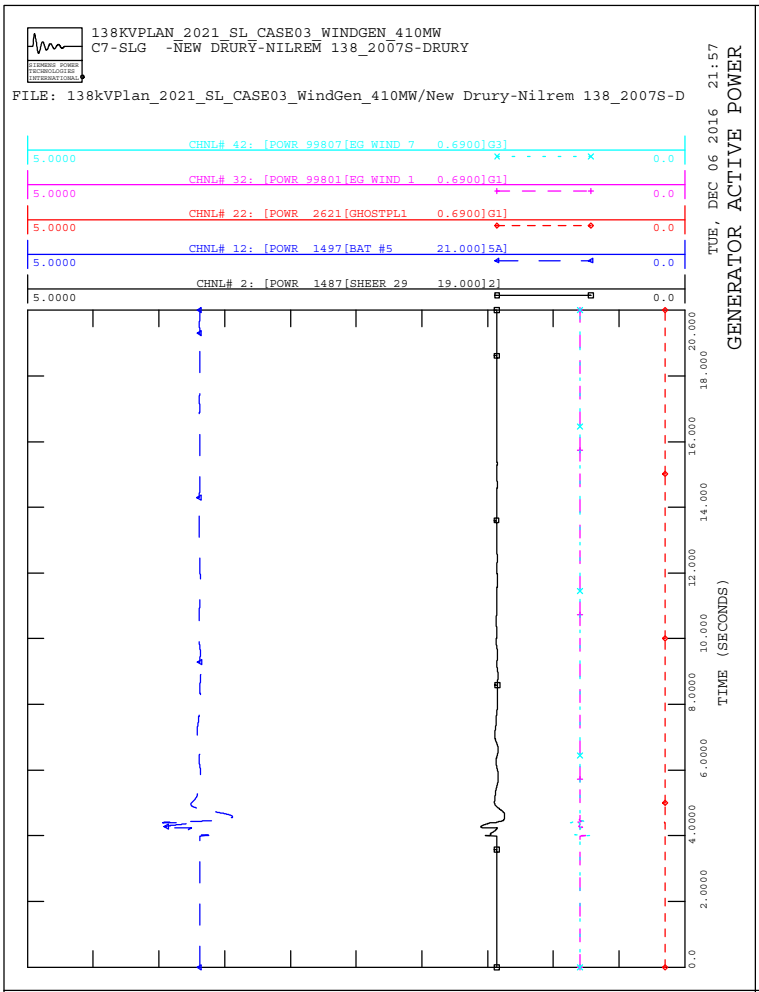
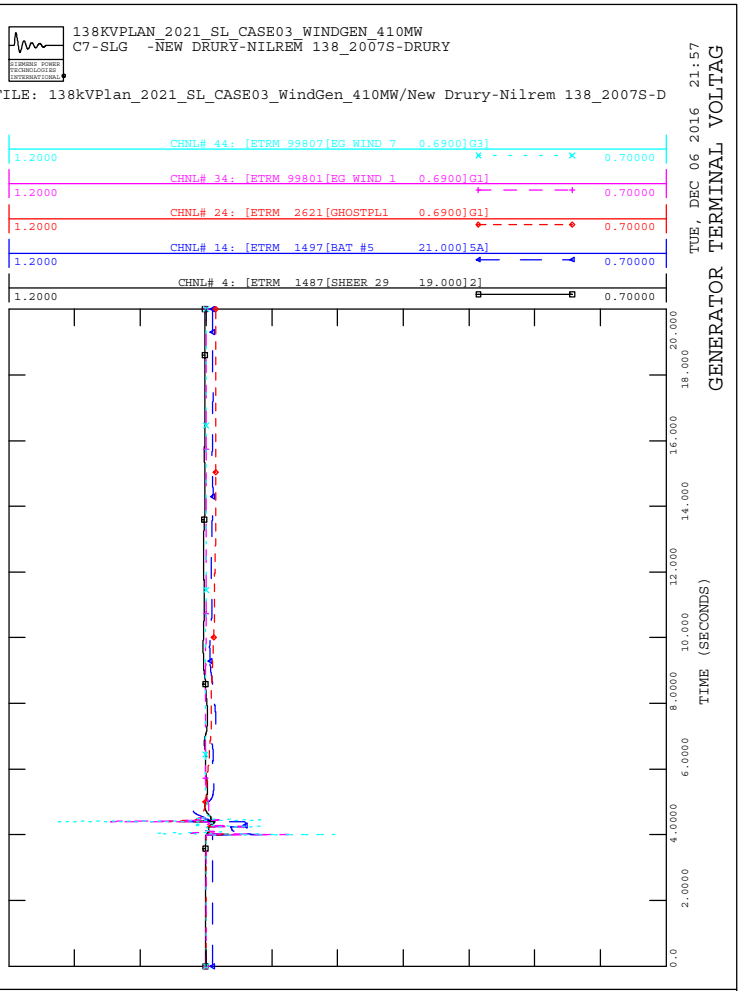
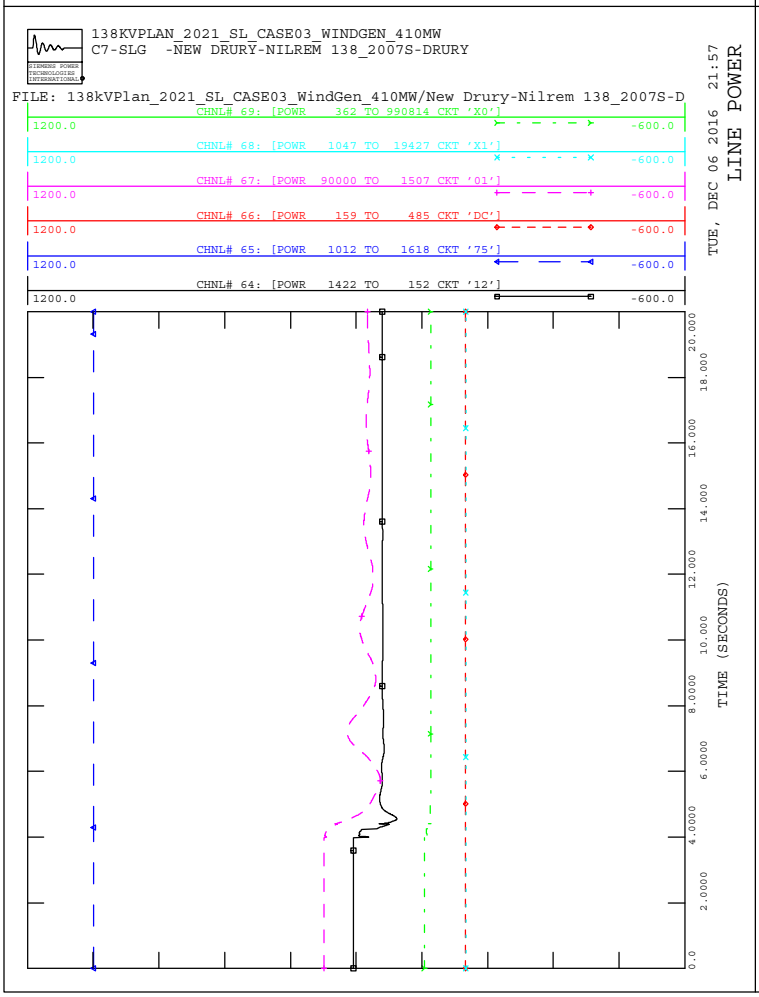
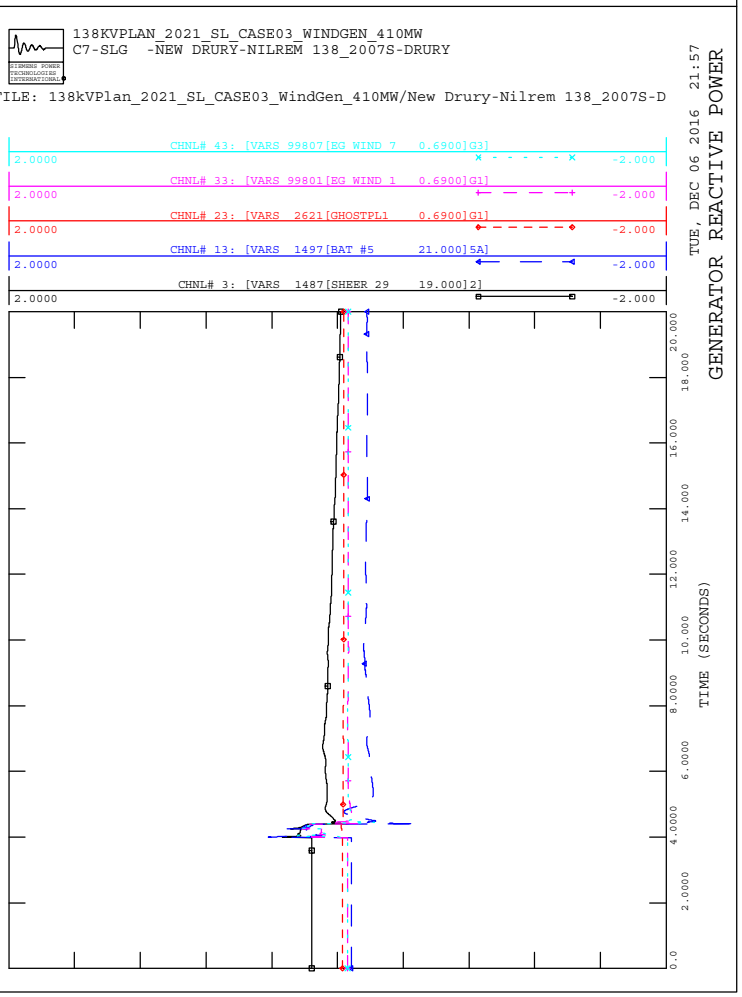
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

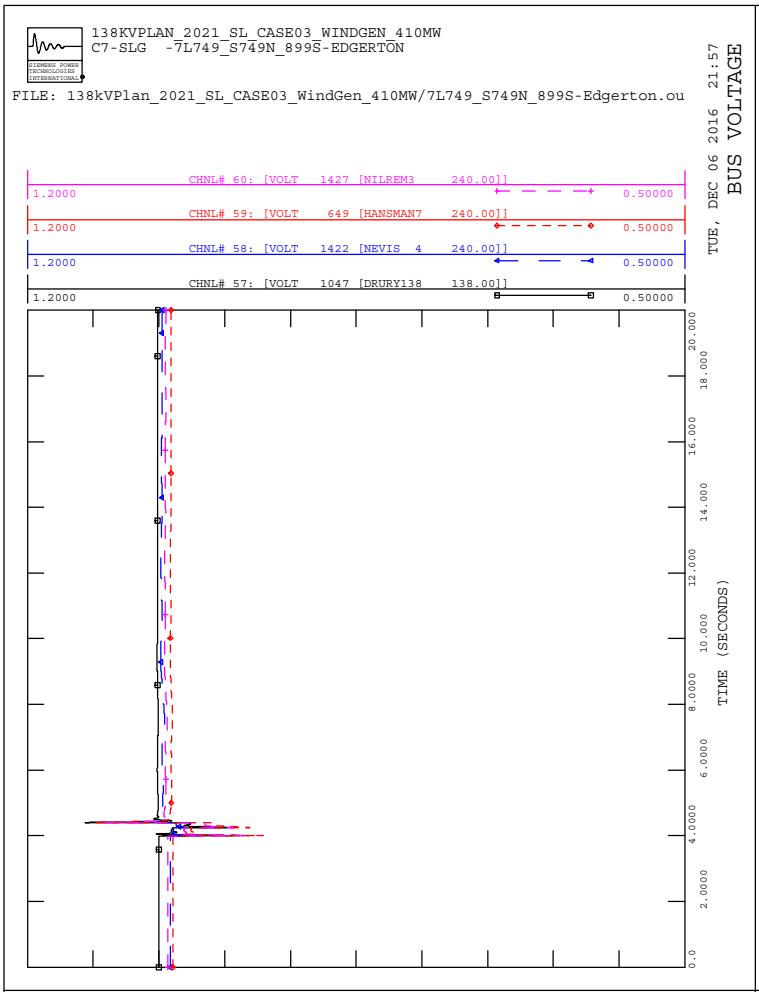

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Drury-Nilrem 138_2007S-D
TUE, DEC 06 2016 21:57
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Drury-Nilrem 138_2007S-D
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Drury-Nilrem 138_2007S-D
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Drury-Nilrem 138_2007S-D
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Drury-Nilrem 138_2007S-D
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_S749N_899S-Edgerton.ou
TUE, DEC 06 2016 21:57
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
1.2000
0.50000
TIME (SECONDS)
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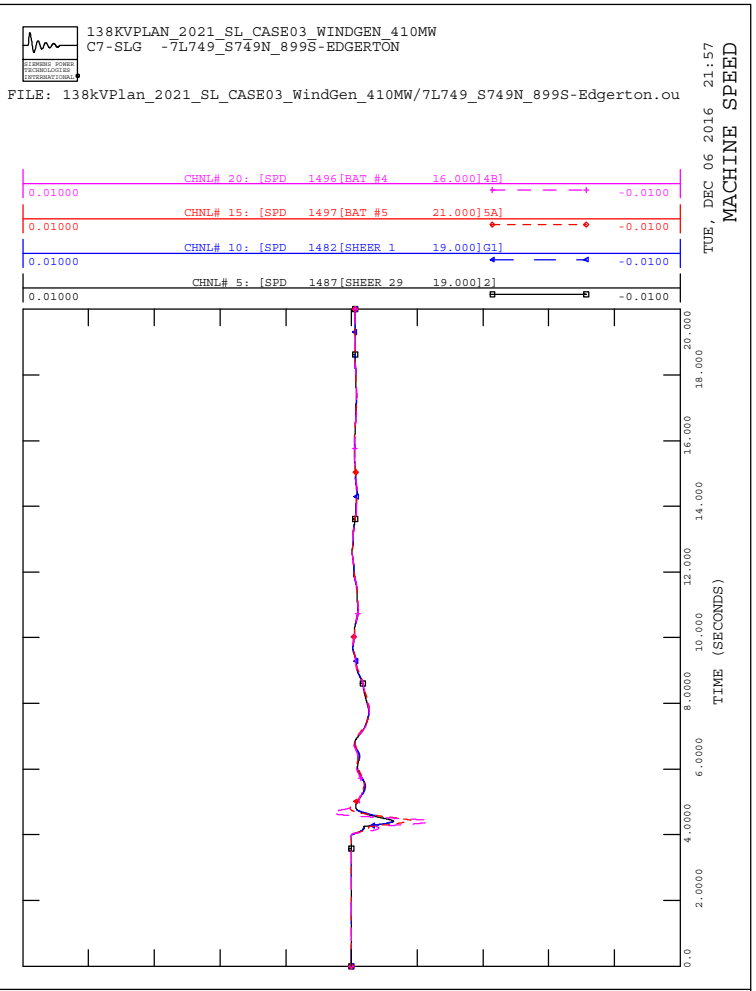
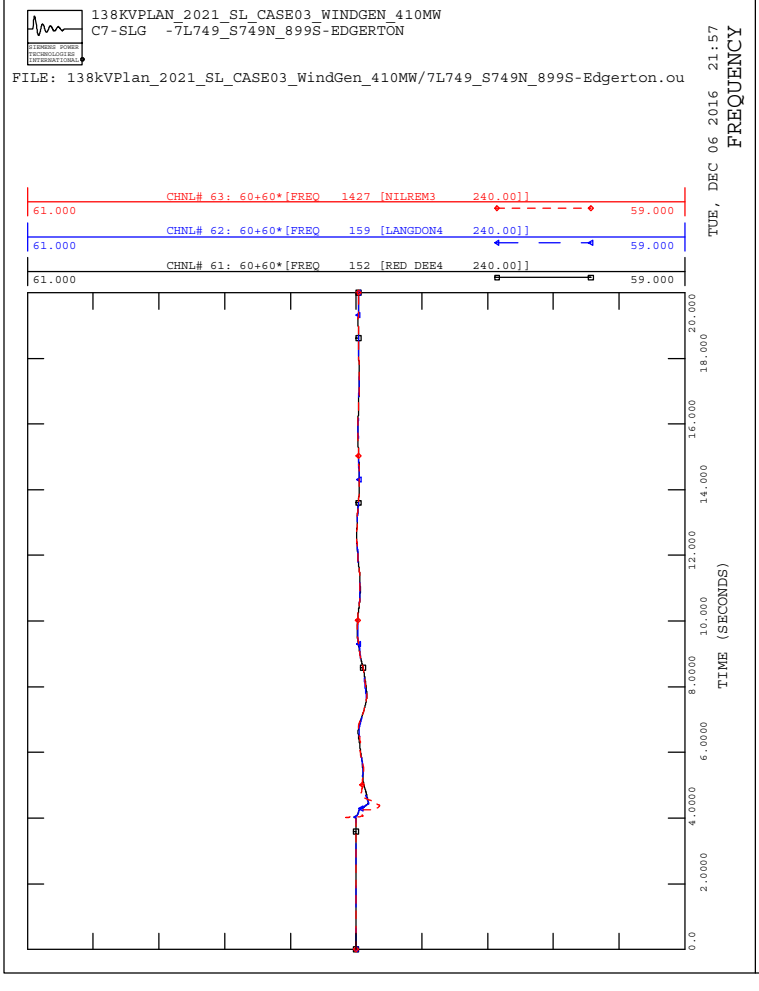
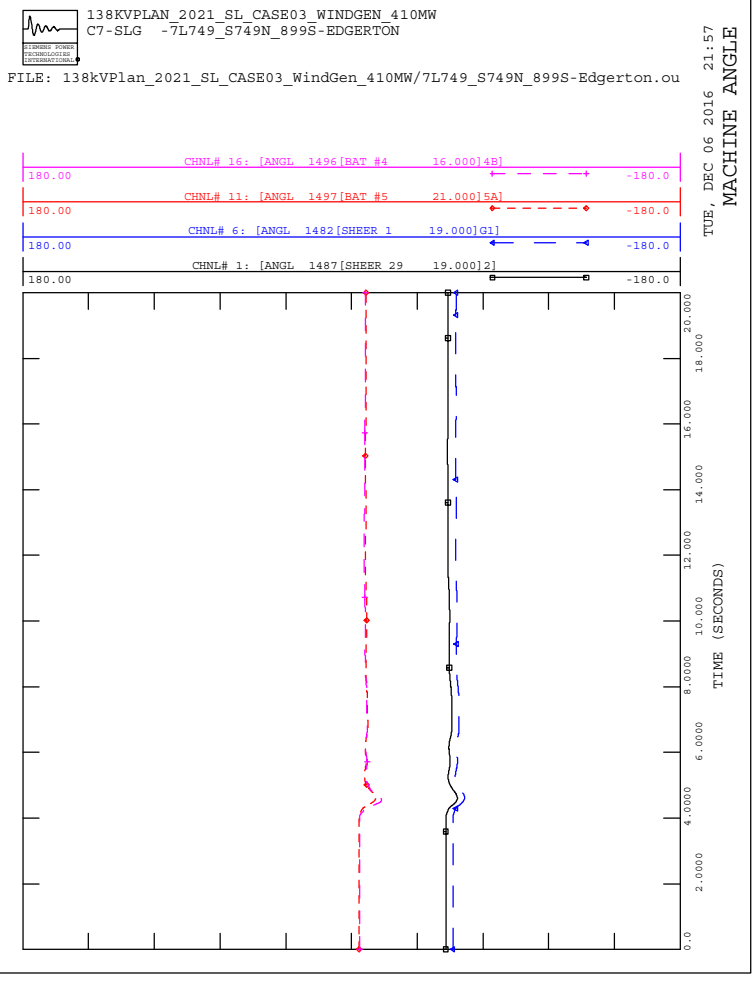
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_S749N_899S-Edgerton.ou
TUE, DEC 06 2016 21:57
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_S749N_899S-Edgerton.ou
TUE, DEC 06 2016 21:57
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

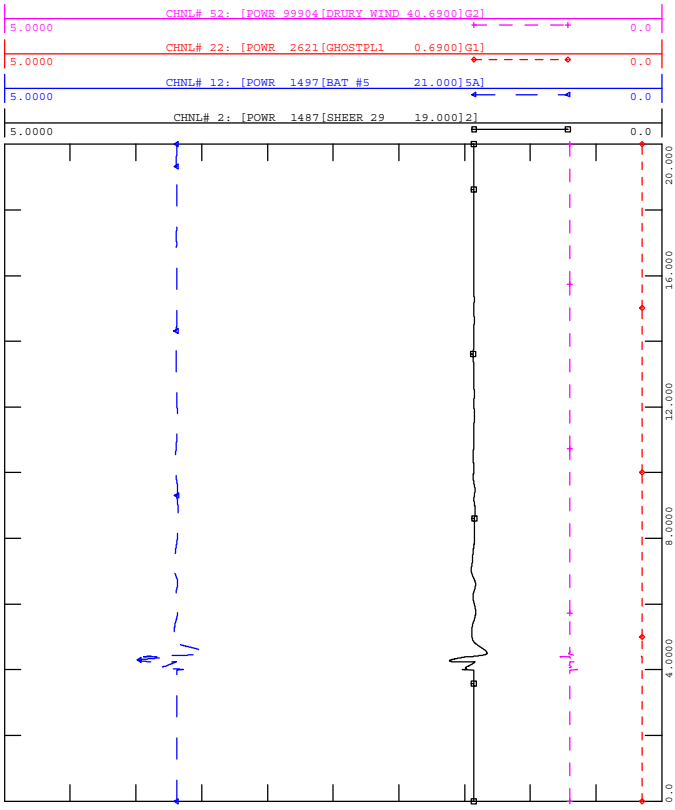

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_S749N_899S-Edgerton.ou
TUE, DEC 06 2016 21:57
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_S749N_899S-Edgerton.ou

TUE, DEC 06 2016 21:57

GENERATOR ACTIVE POWER

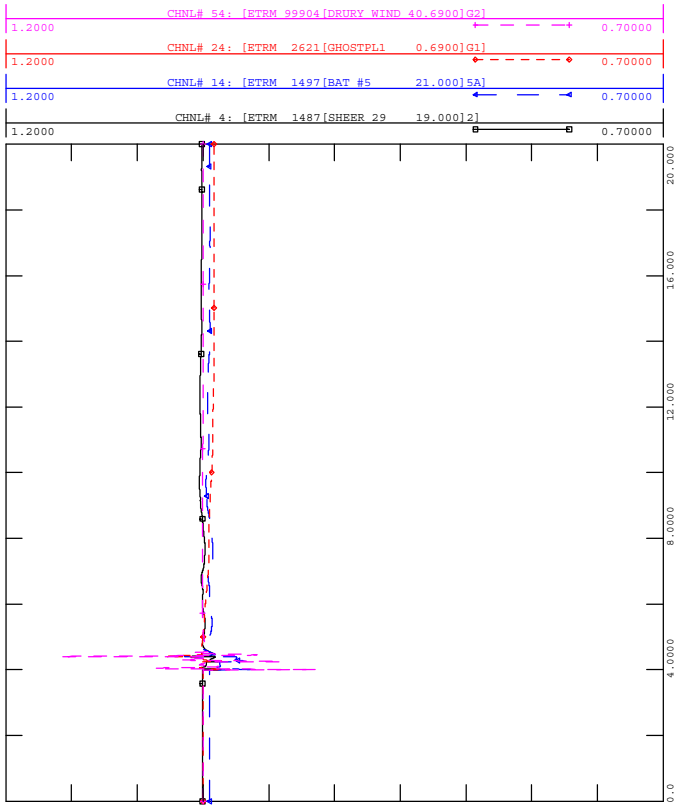


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_S749N_899S-Edgerton.ou

TUE, DEC 06 2016 21:57

GENERATOR TERMINAL VOLTAG

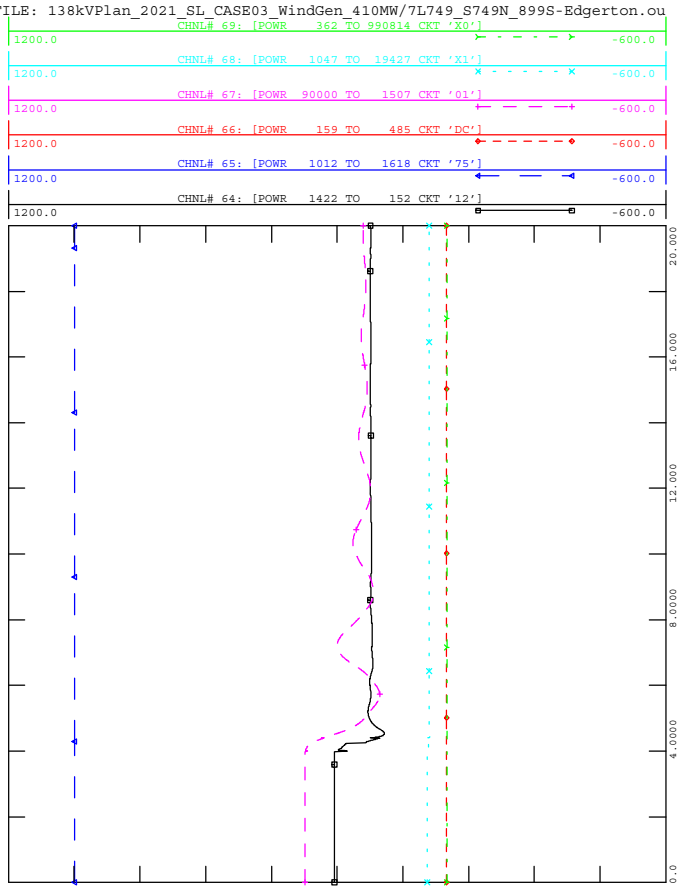


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_S749N_899S-Edgerton.ou

TUE, DEC 06 2016 21:57

LINE POWER

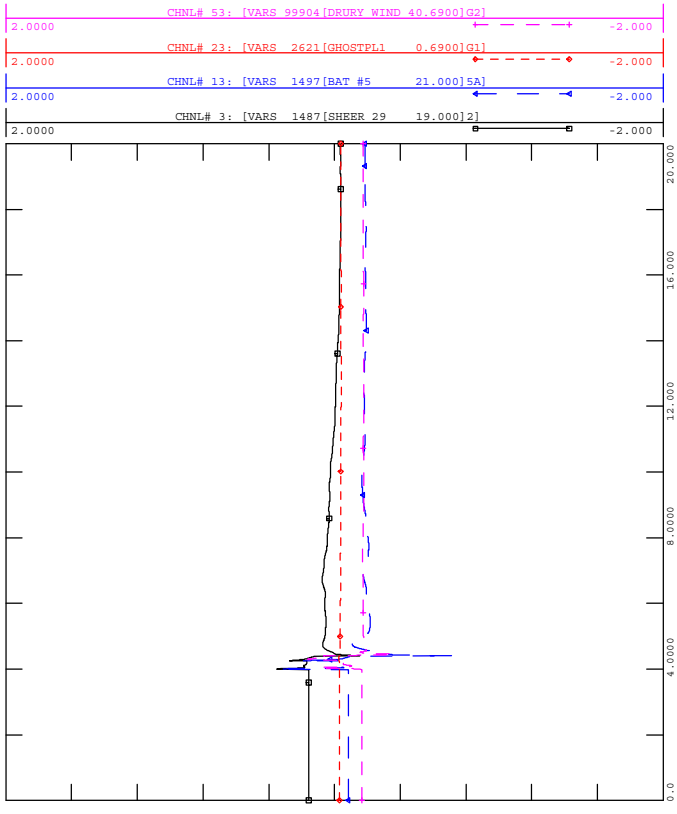


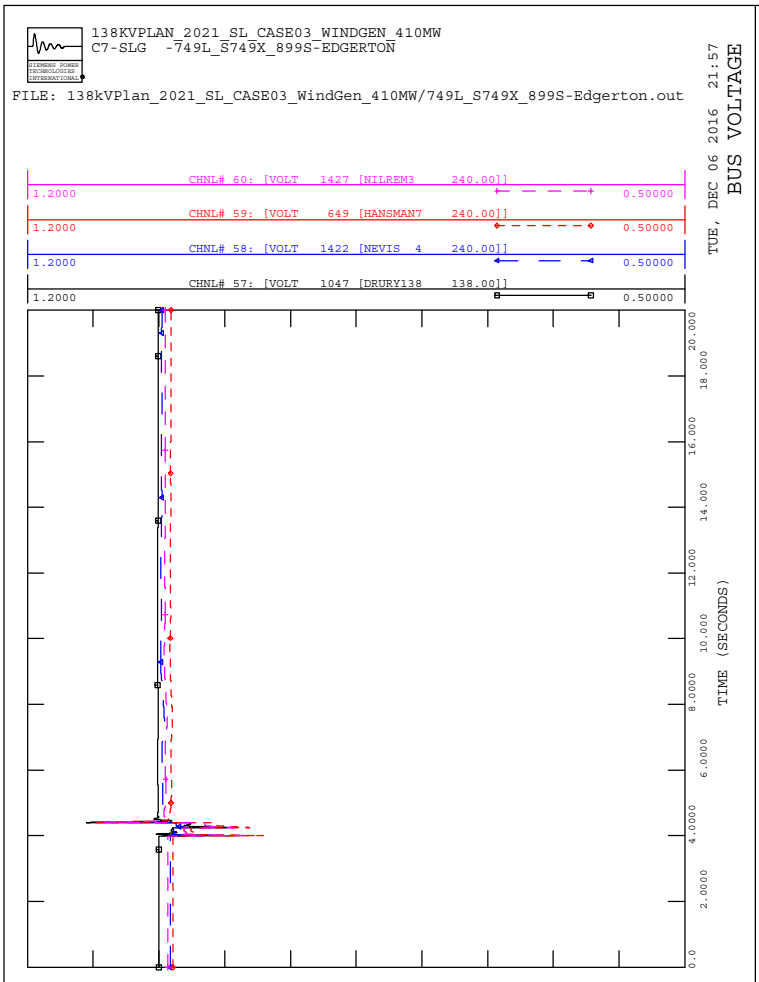
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON

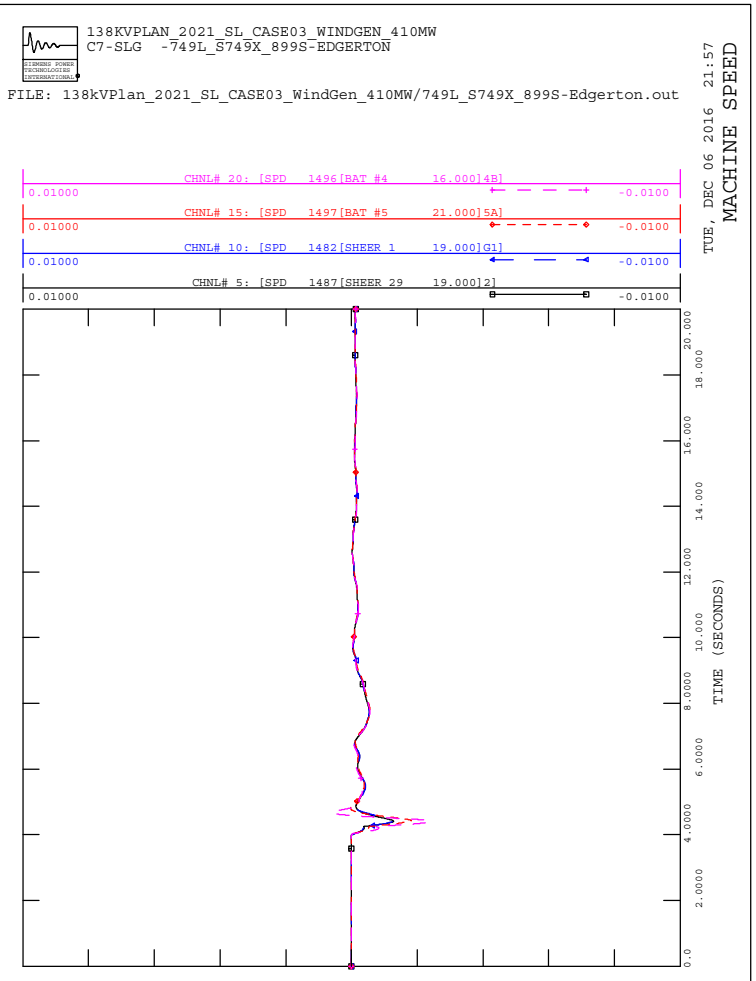
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/7L749_S749N_899S-Edgerton.ou

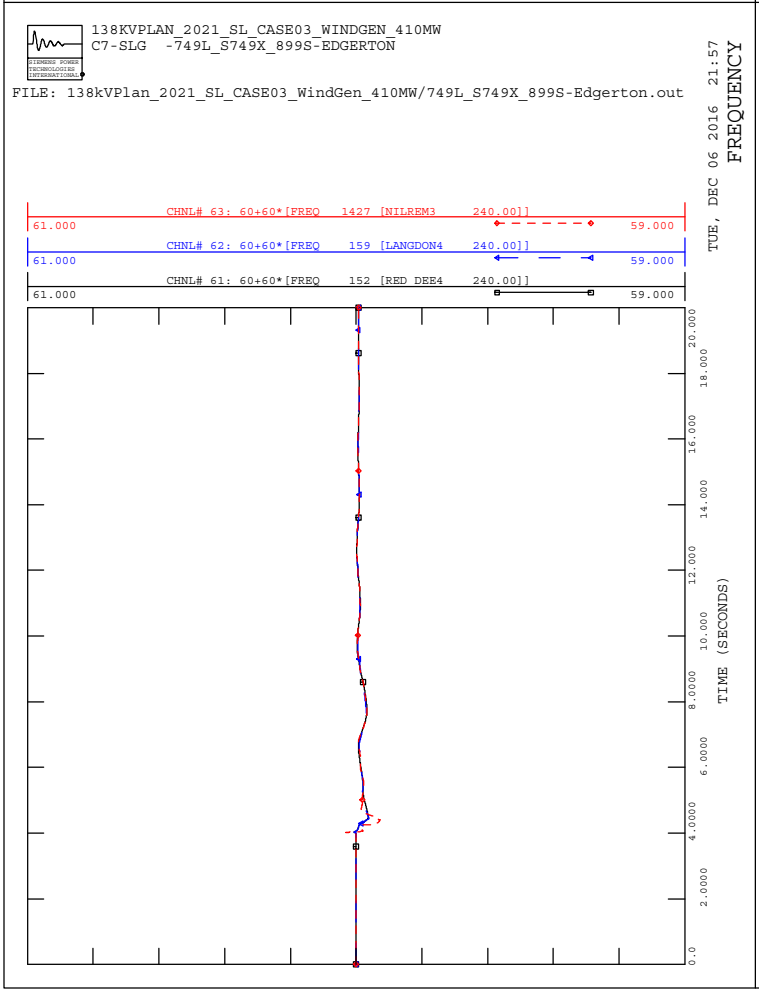
TUE, DEC 06 2016 21:57

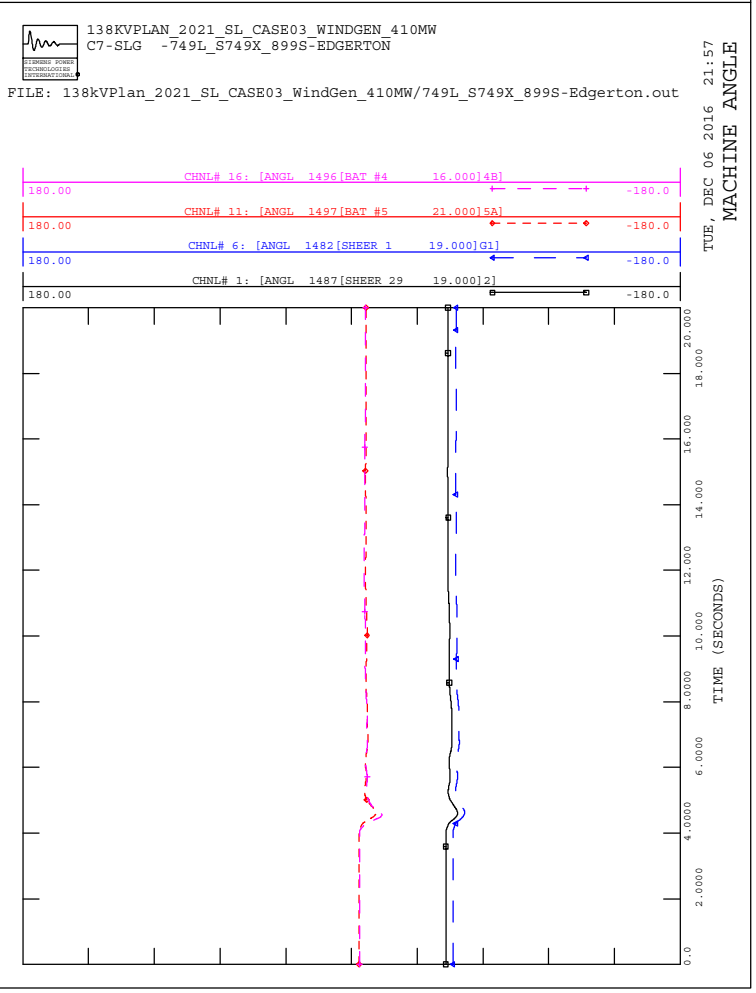
GENERATOR REACTIVE POWER

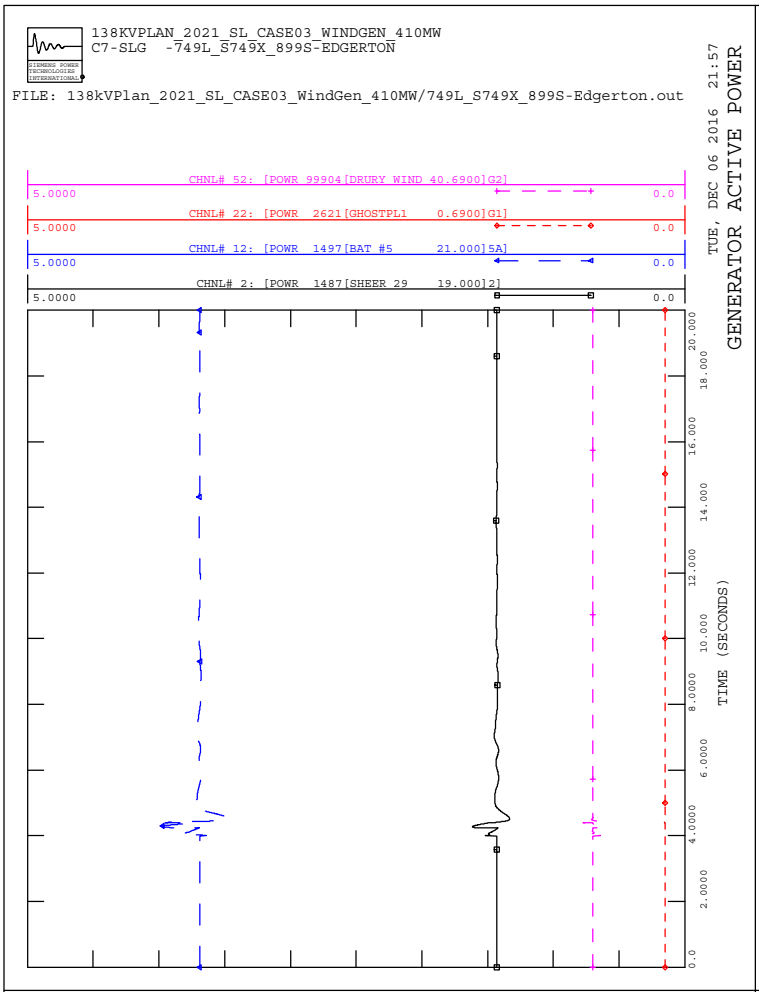


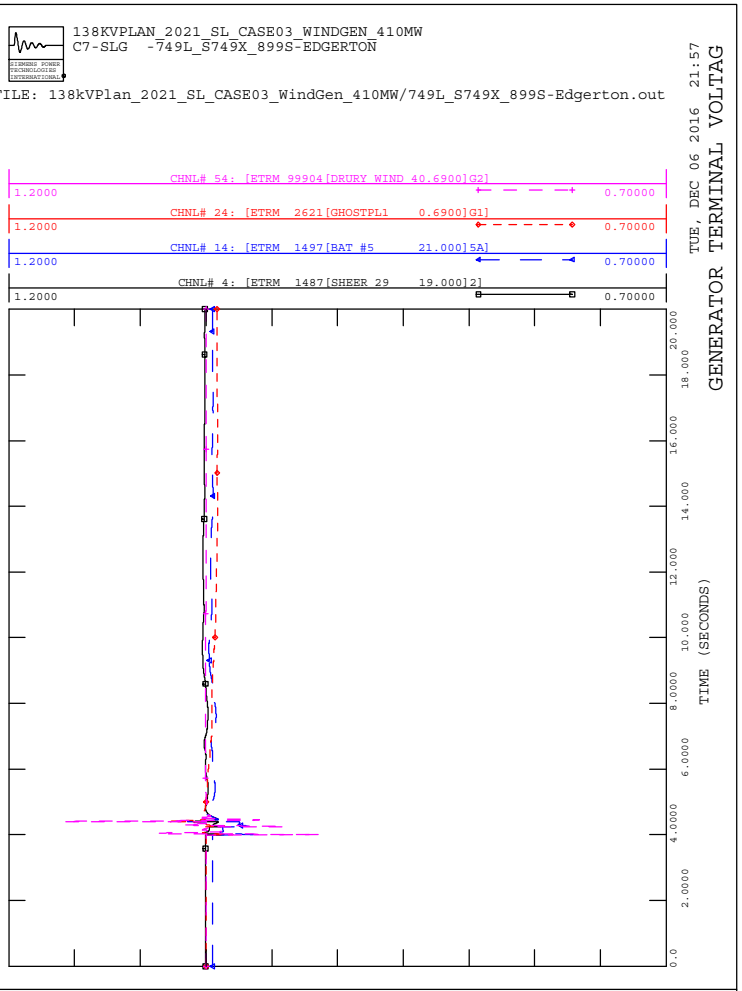

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_S749X_899S-Edgerton.out
TUE, DEC 06 2016 21:57
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
1.2000
0.50000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

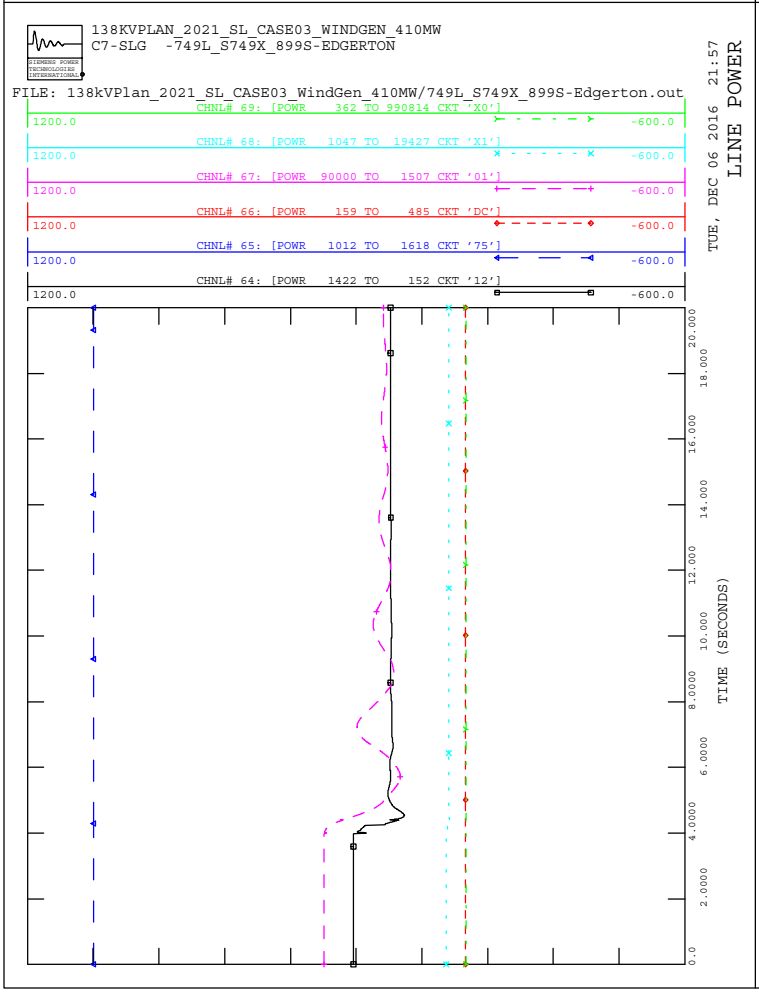

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_S749X_899S-Edgerton.out
TUE, DEC 06 2016 21:57
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

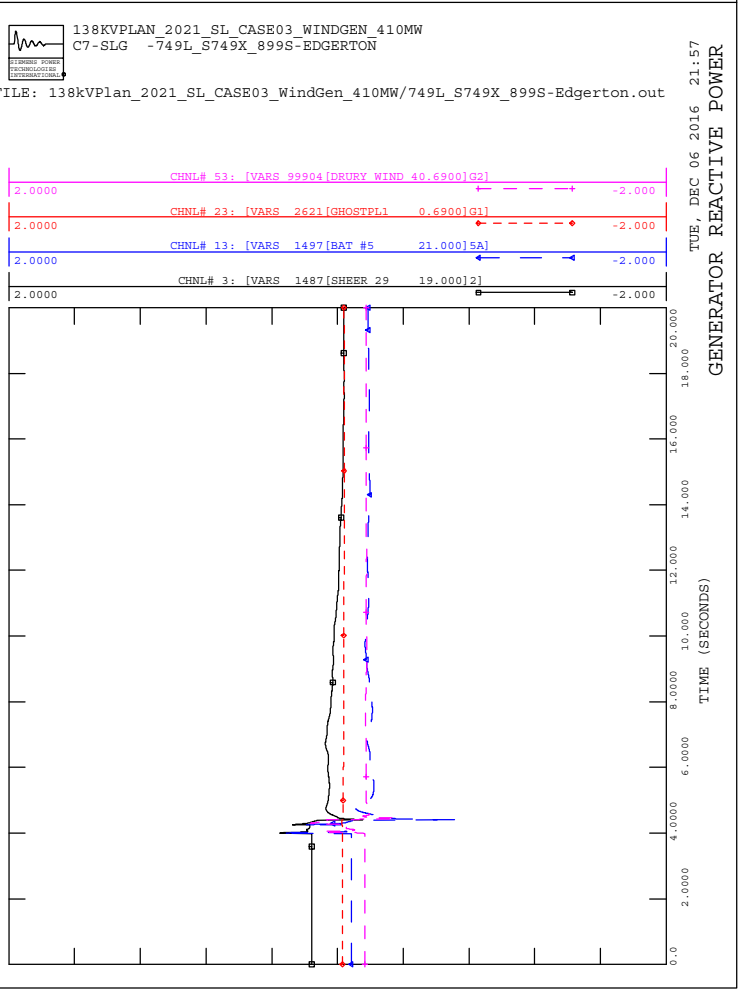

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_S749X_899S-Edgerton.out
TUE, DEC 06 2016 21:57
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_S749X_899S-Edgerton.out
TUE, DEC 06 2016 21:57
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_S749X_899S-Edgerton.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_S749X_899S-Edgerton.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_S749X_899S-Edgerton.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

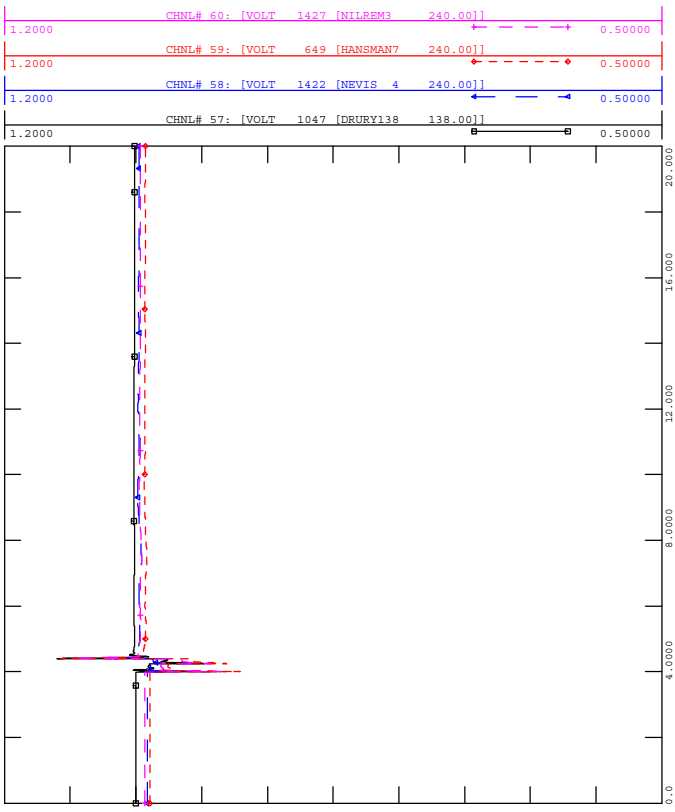

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/749L_S749X_899S-Edgerton.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Edgerton-HansmanLake 138

TUE, DEC 06 2016 21:57

BUS VOLTAGE

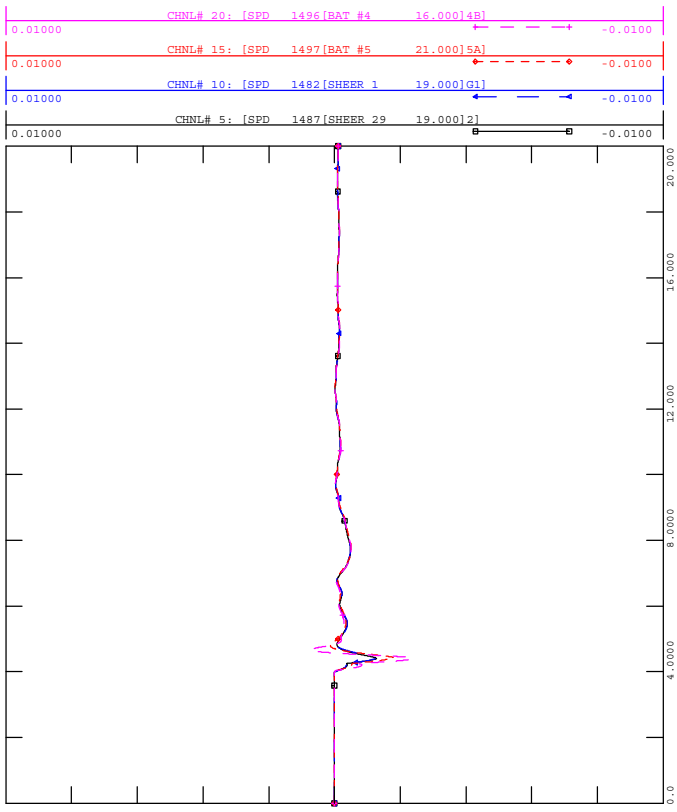


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Edgerton-HansmanLake 138

TUE, DEC 06 2016 21:57

MACHINE SPEED

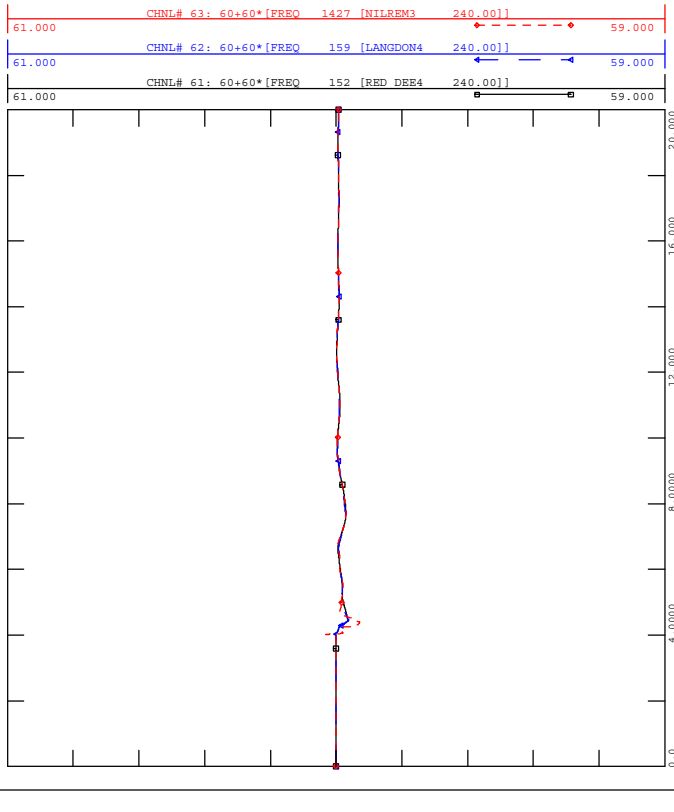


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Edgerton-HansmanLake 138

TUE, DEC 06 2016 21:57

FREQUENCY

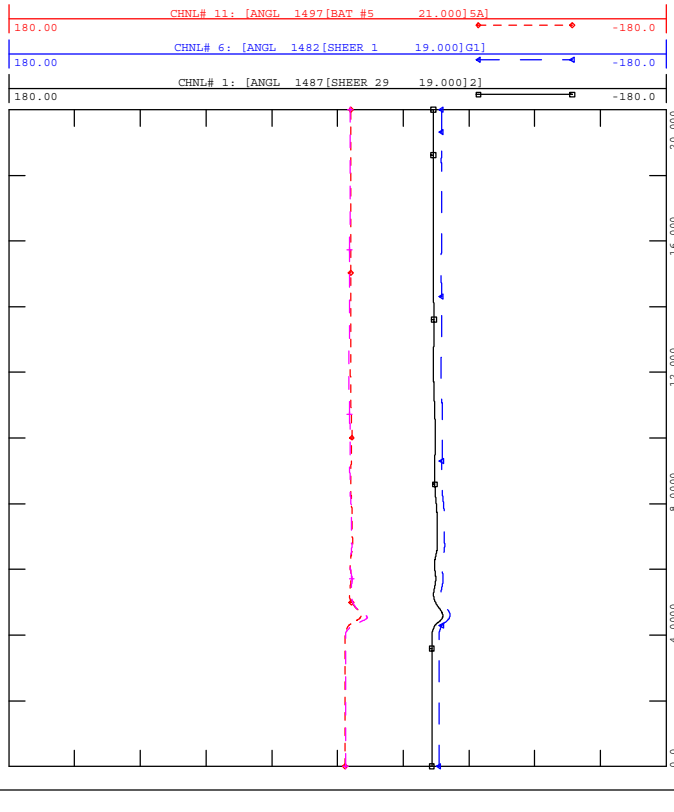


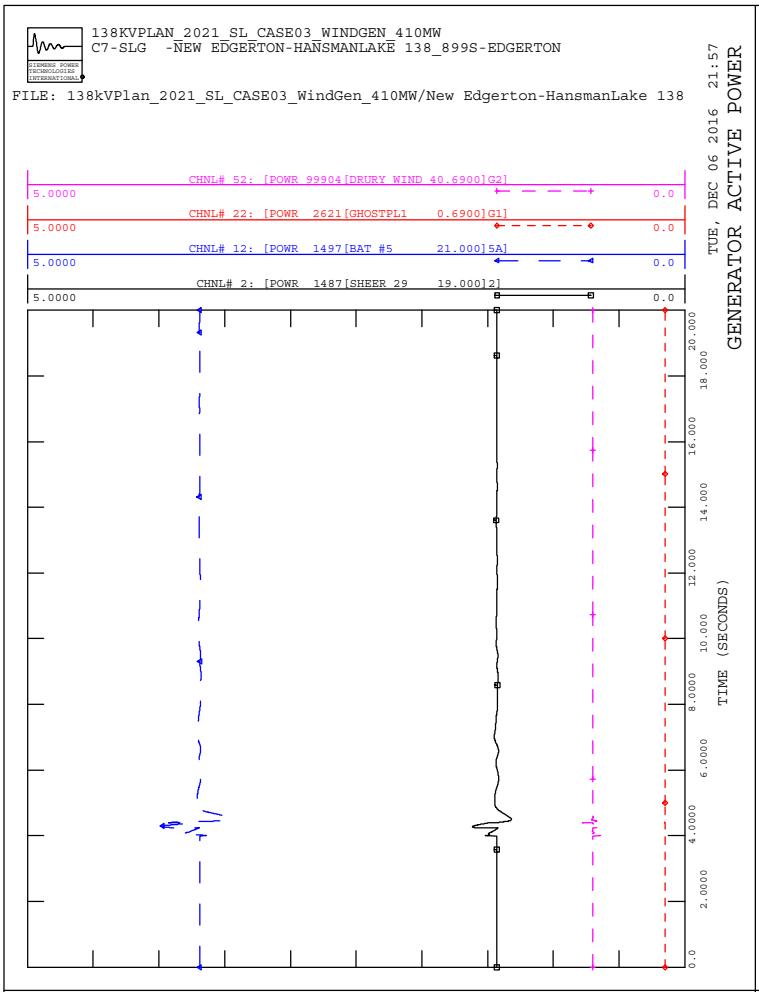
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON

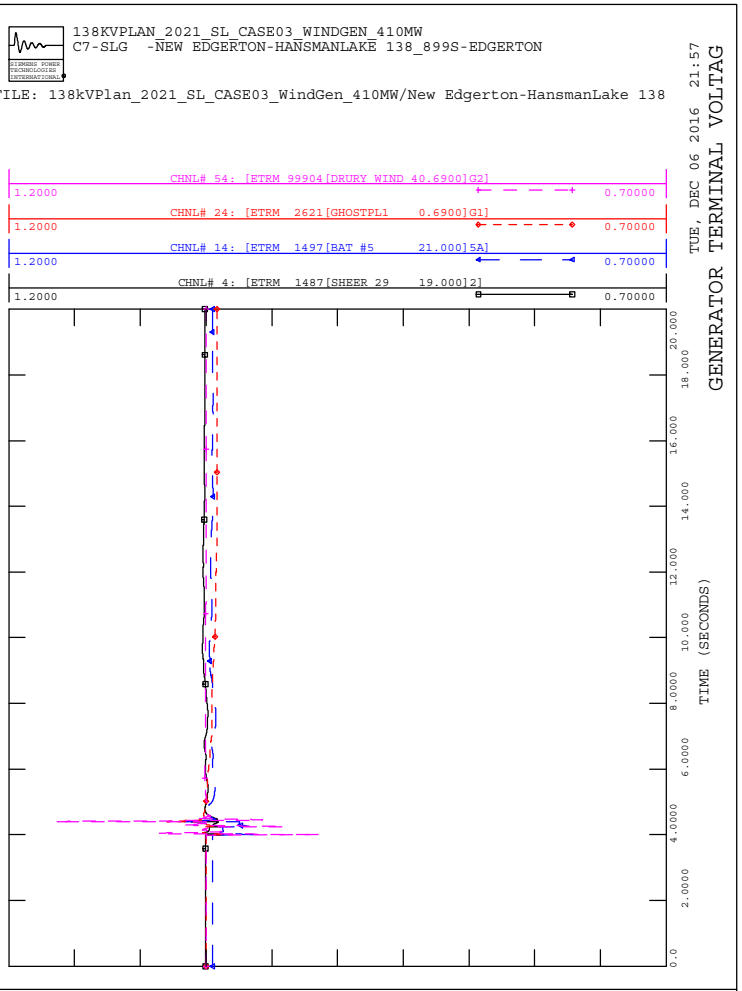
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Edgerton-HansmanLake 138

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Edgerton-HansmanLake 138
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Edgerton-HansmanLake 138
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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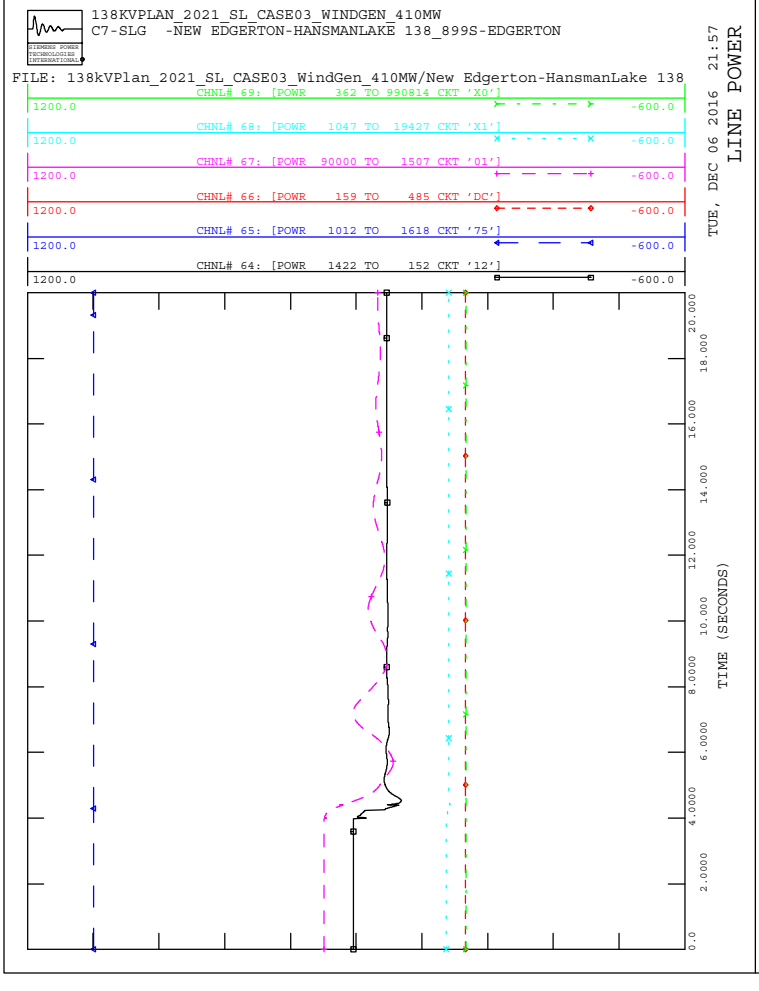
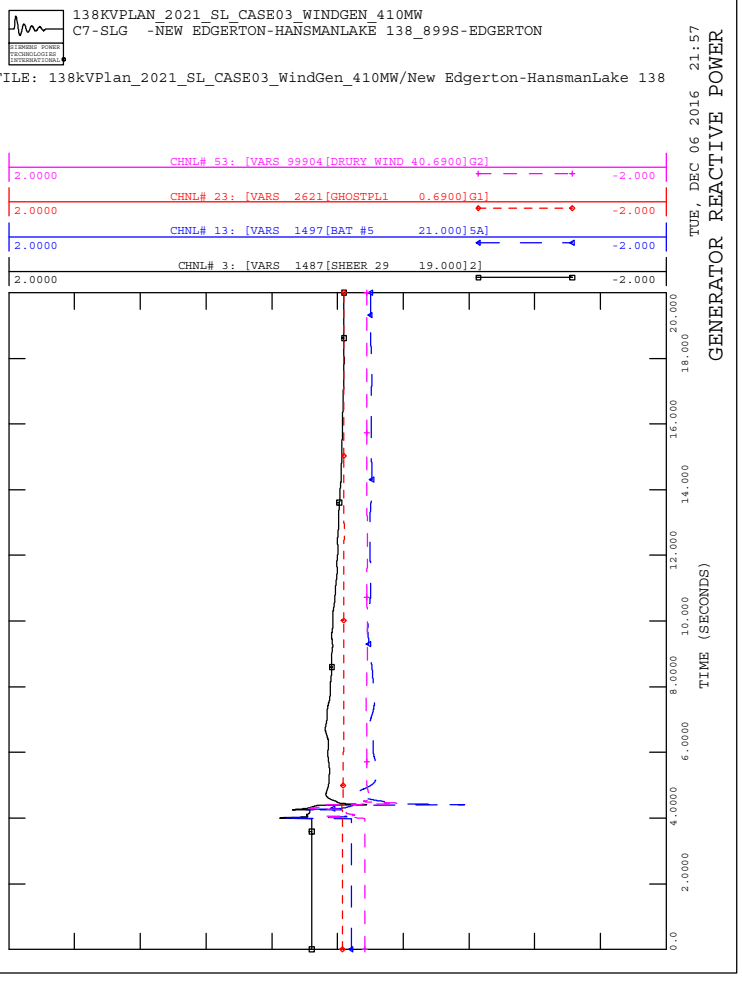
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Edgerton-HansmanLake 138
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

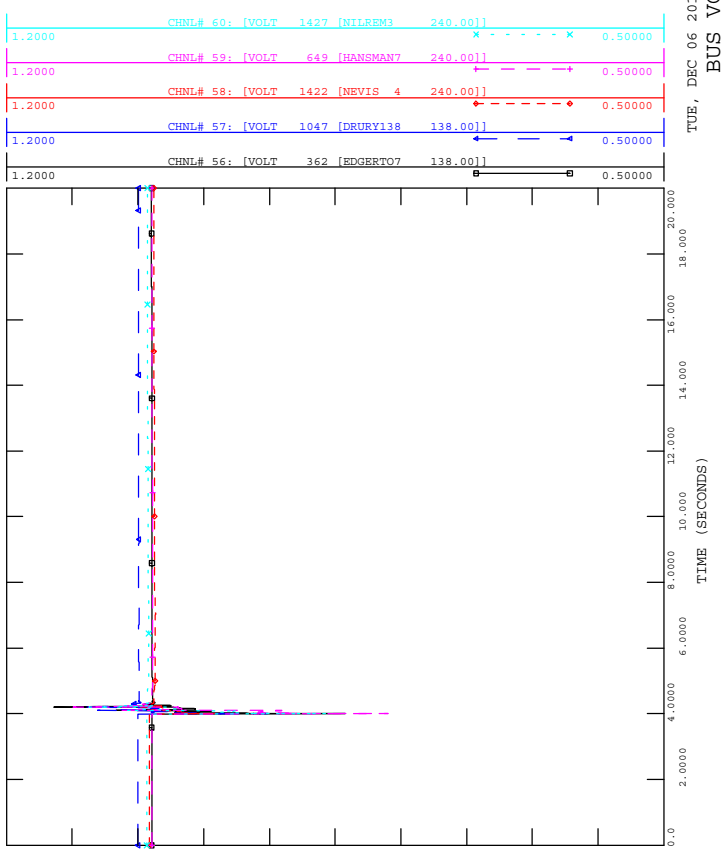

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/New Edgerton-HansmanLake 138
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L966_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE

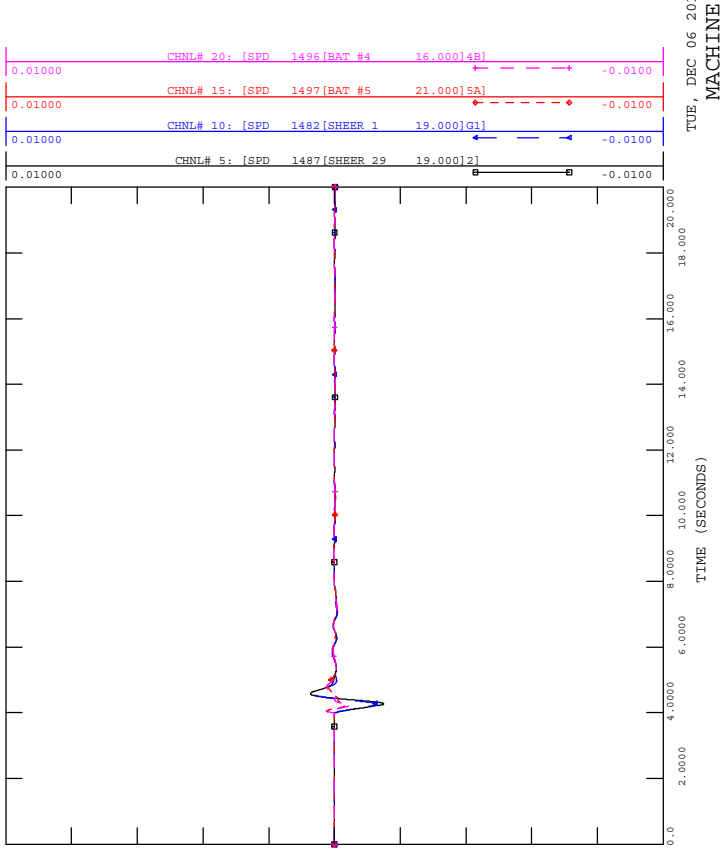


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L966_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:57

MACHINE SPEED

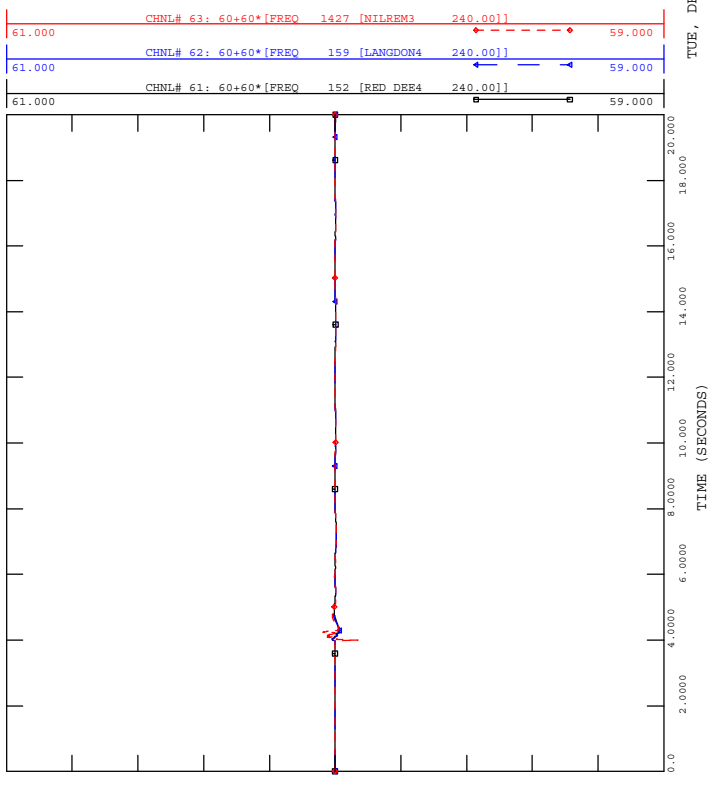


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L966_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:57

FREQUENCY

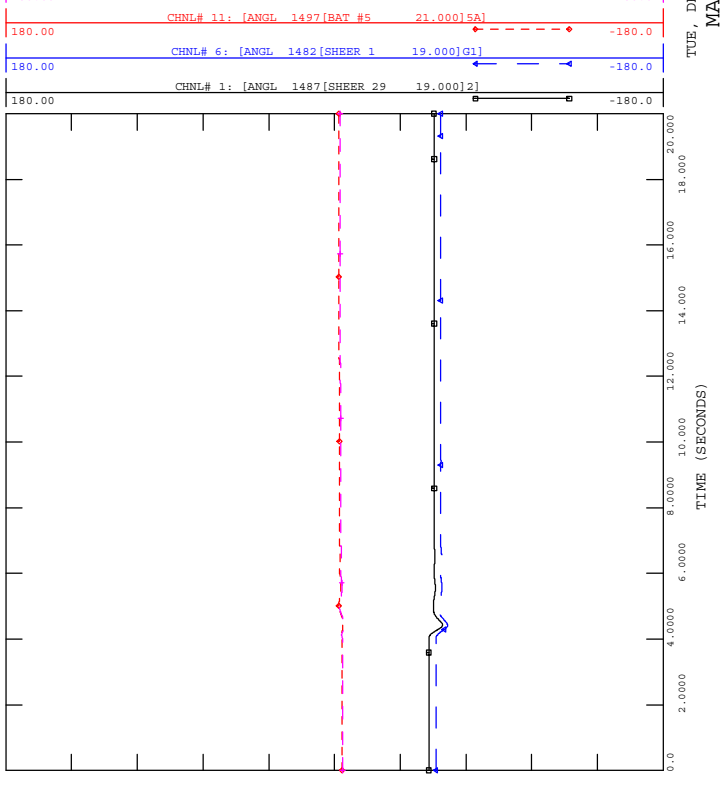


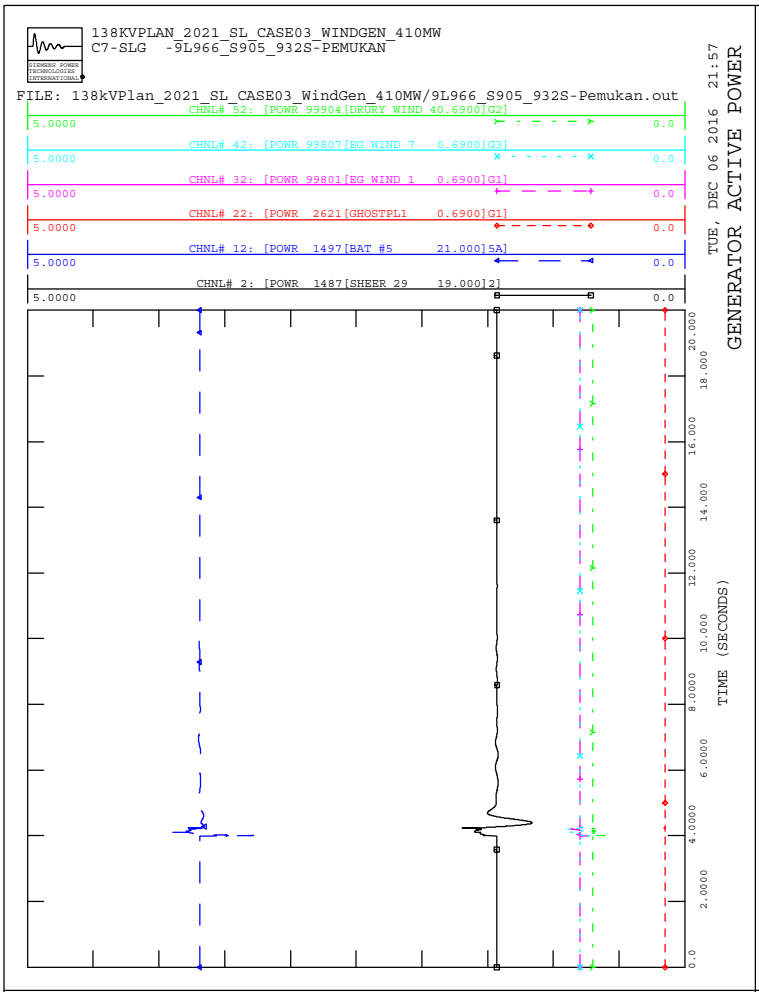
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN

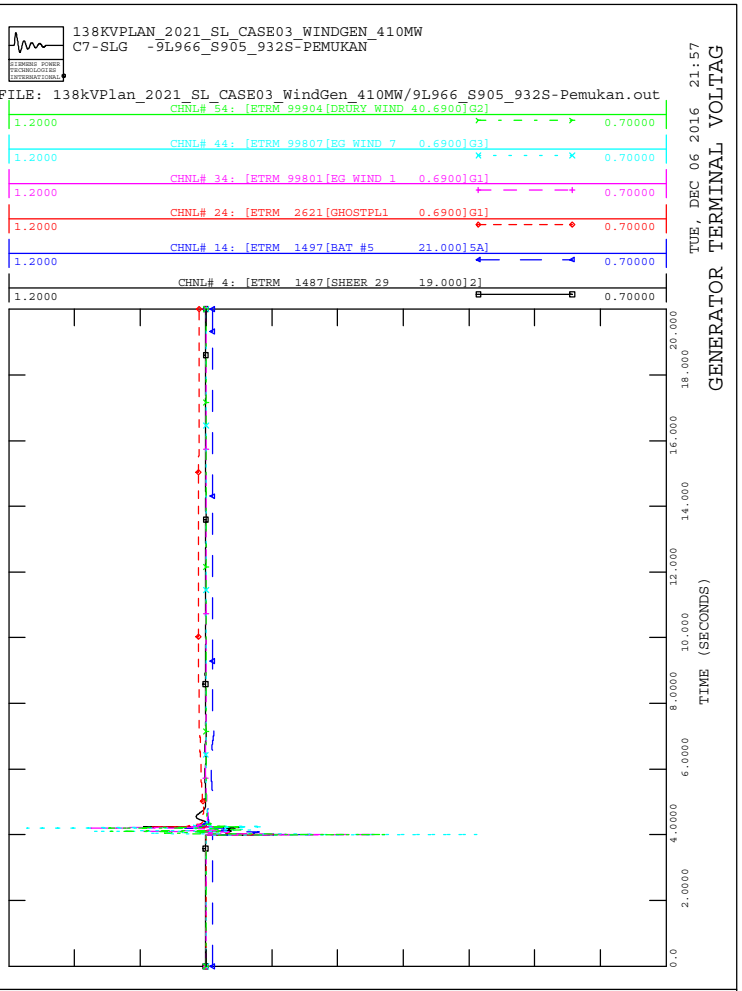
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L966_S905_932S-Pemukan.out

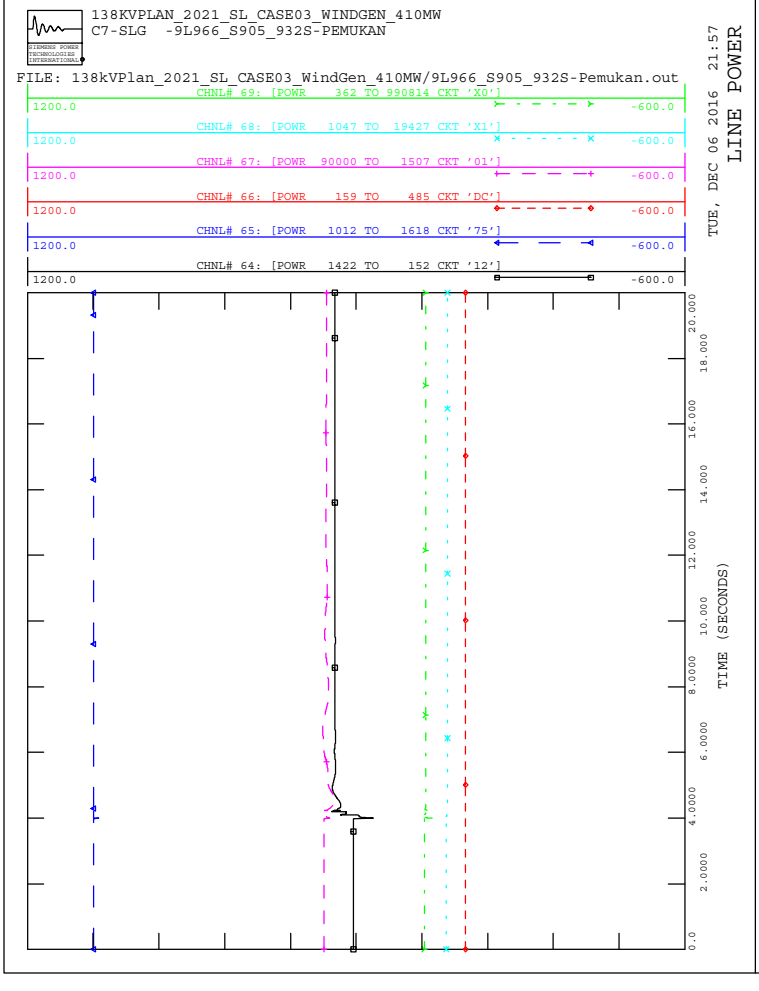
TUE, DEC 06 2016 21:57

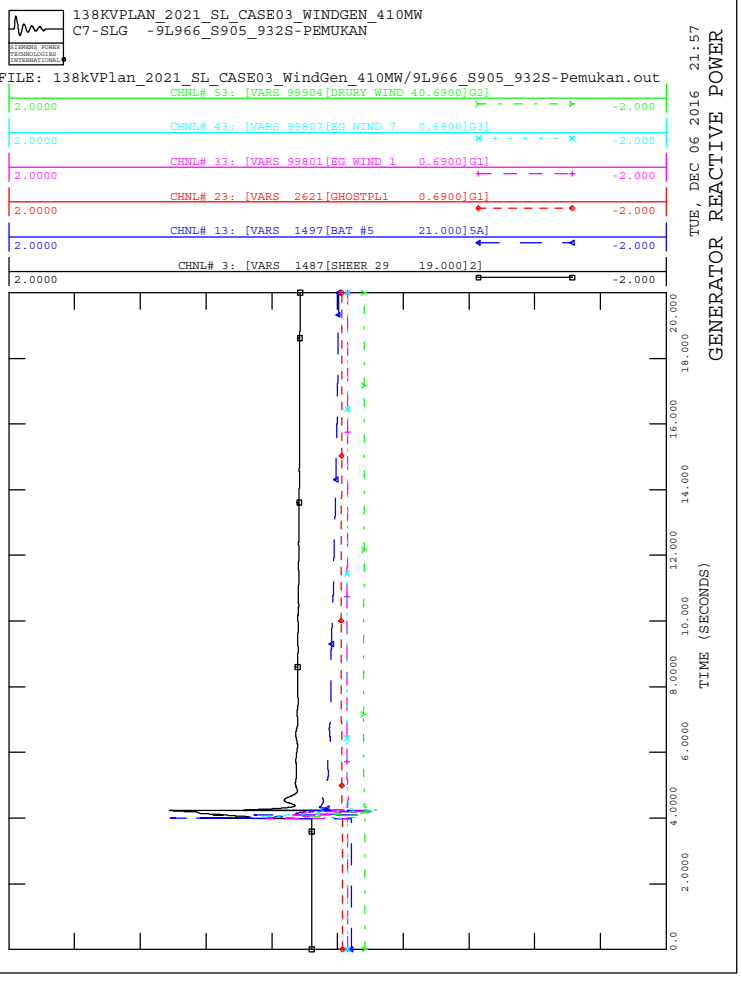
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L966_S905_932S-Pemukan.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L966_S905_932S-Pemukan.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L966_S905_932S-Pemukan.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

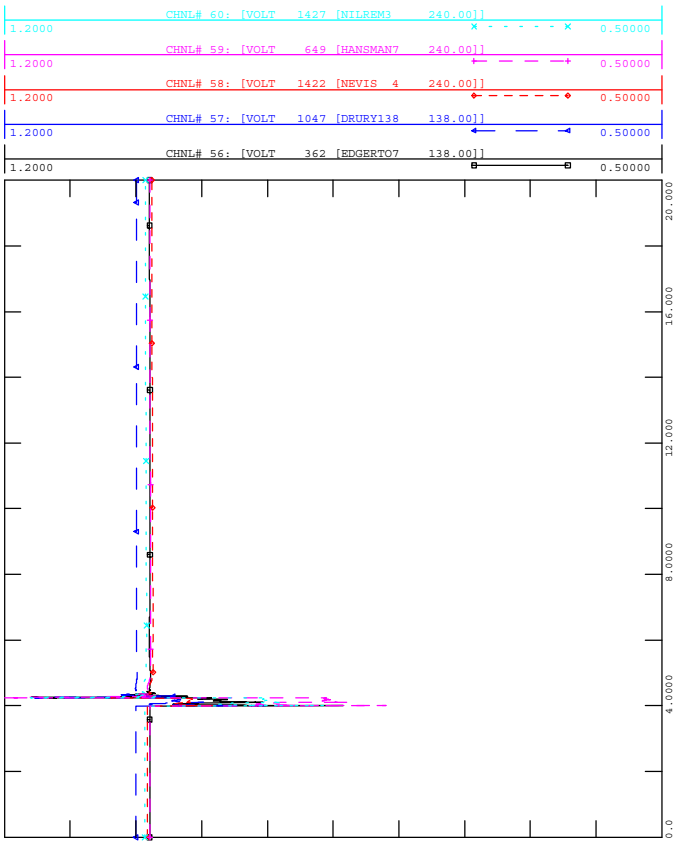

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L966_S905_932S-Pemukan.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE

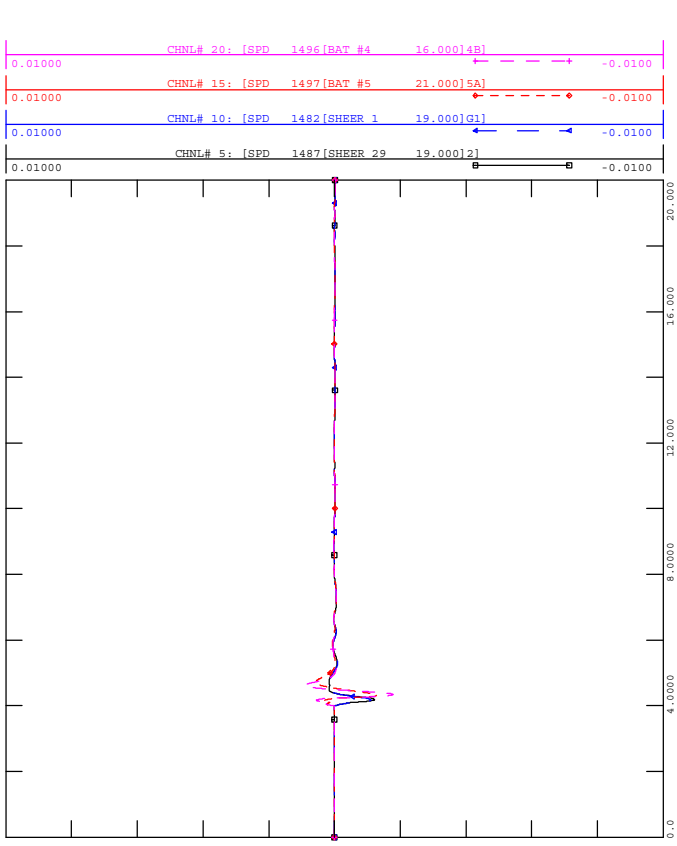


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:57

MACHINE SPEED

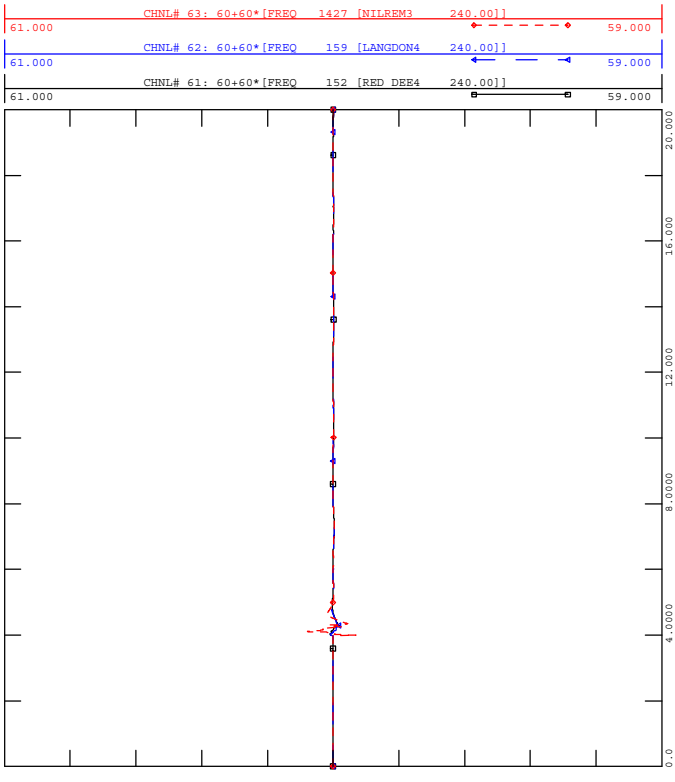


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:57

FREQUENCY

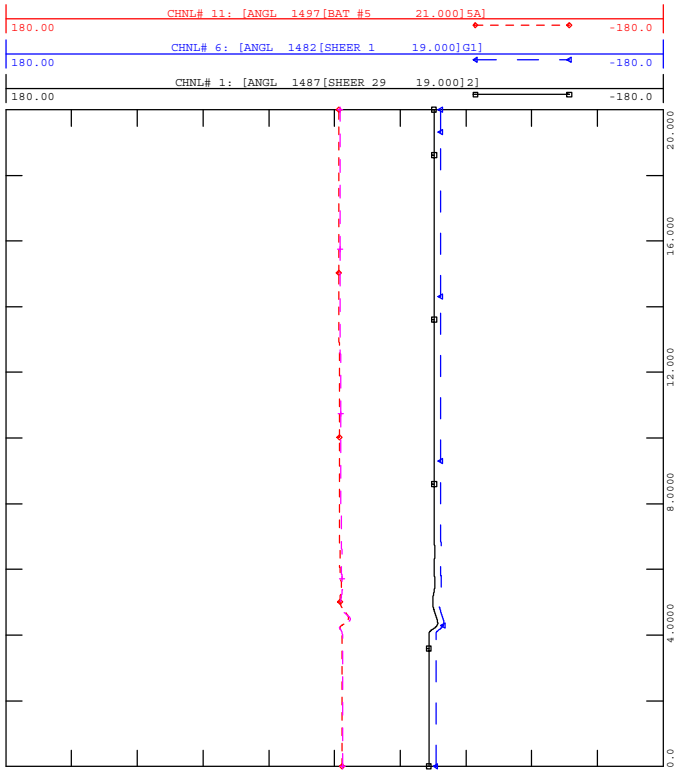


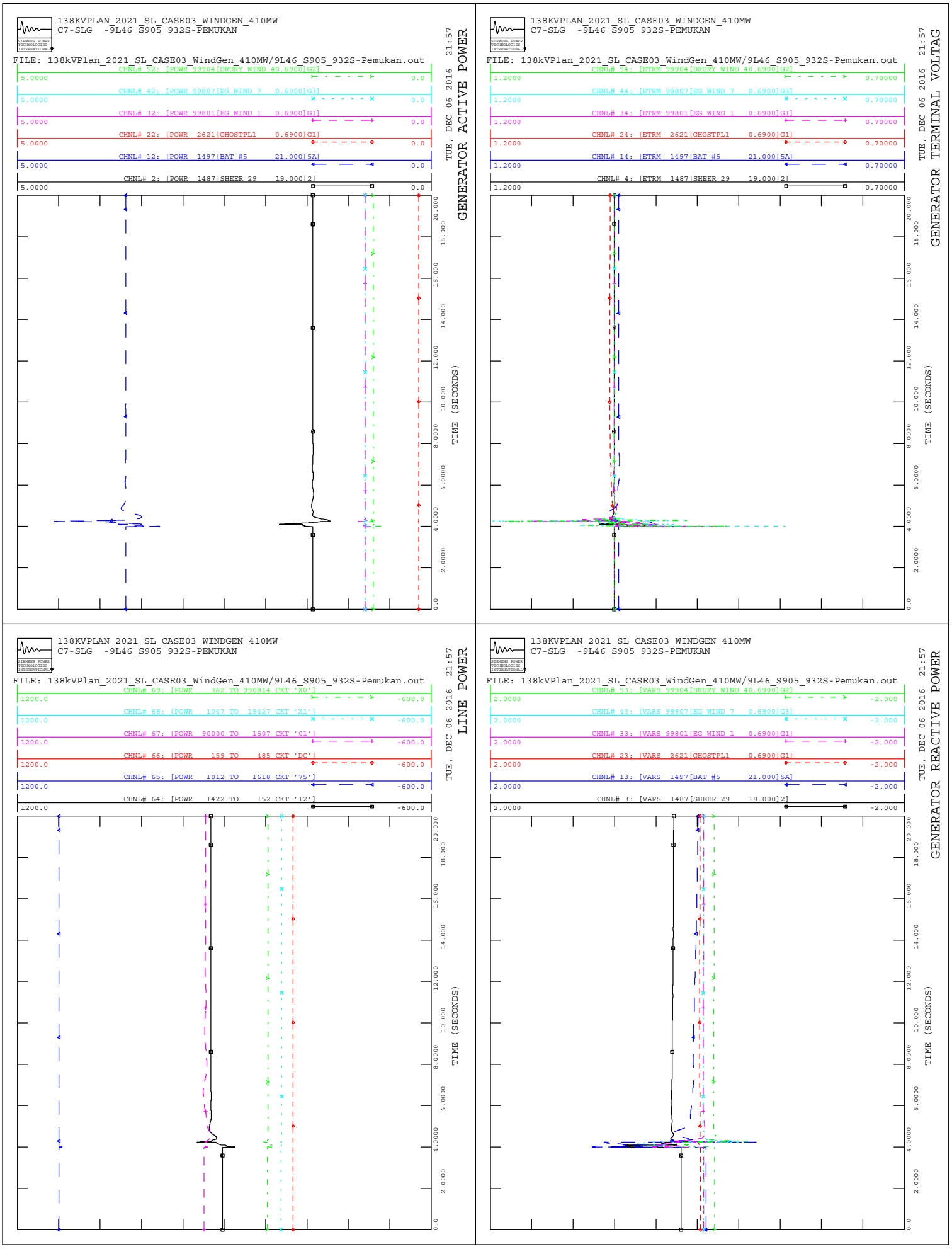
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:57

MACHINE ANGLE



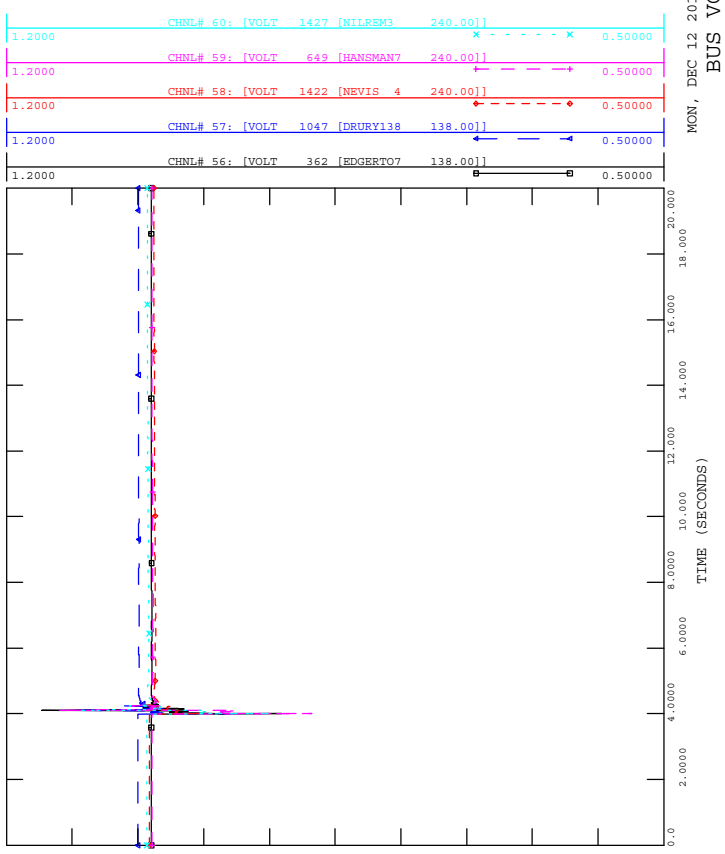

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_932S-Pemukan.out
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_932S-Pemukan.out
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_932S-Pemukan.out
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_932S-Pemukan.out
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

BUS VOLTAGE

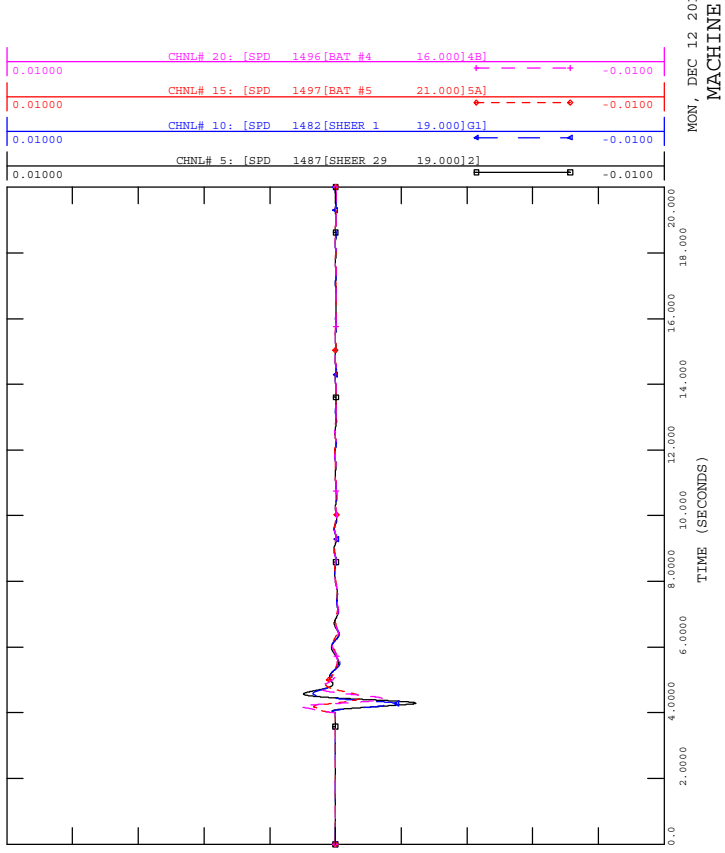


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

MACHINE SPEED

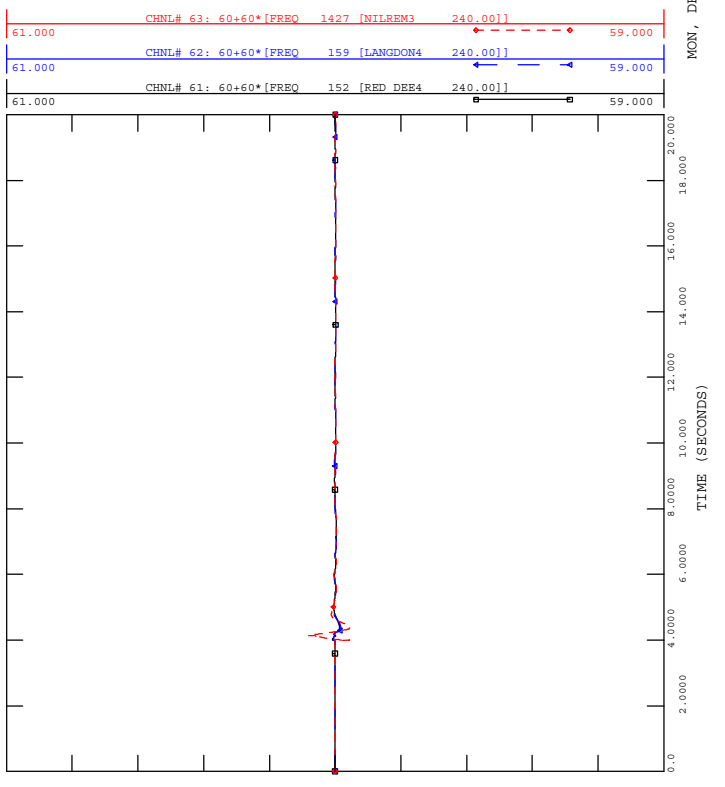


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

FREQUENCY

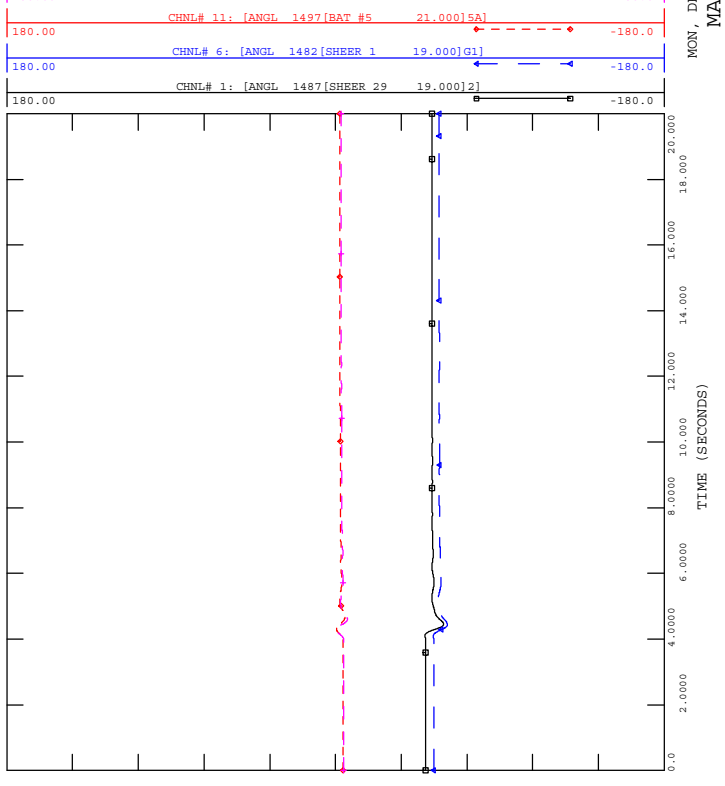


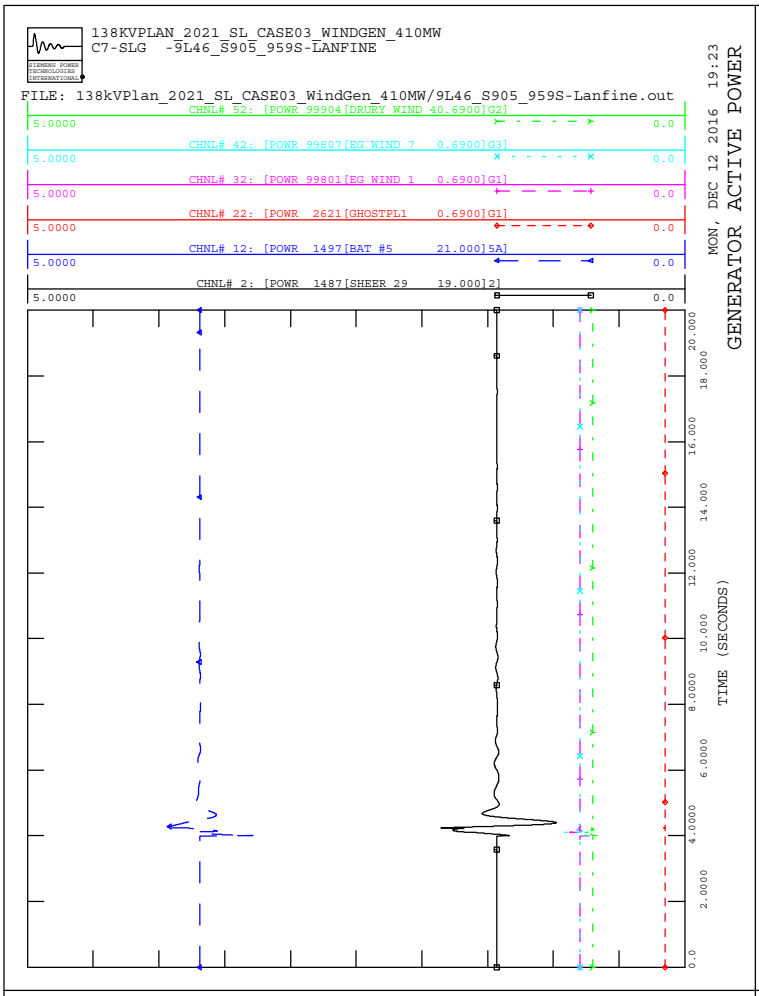
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE

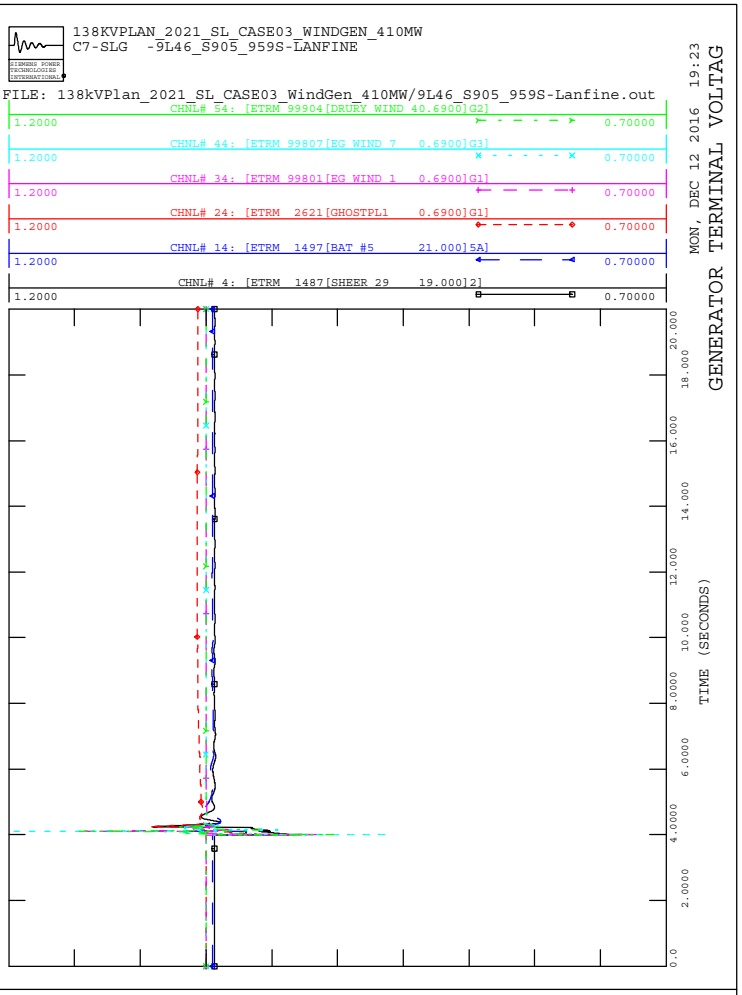
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_959S-Lanfine.out

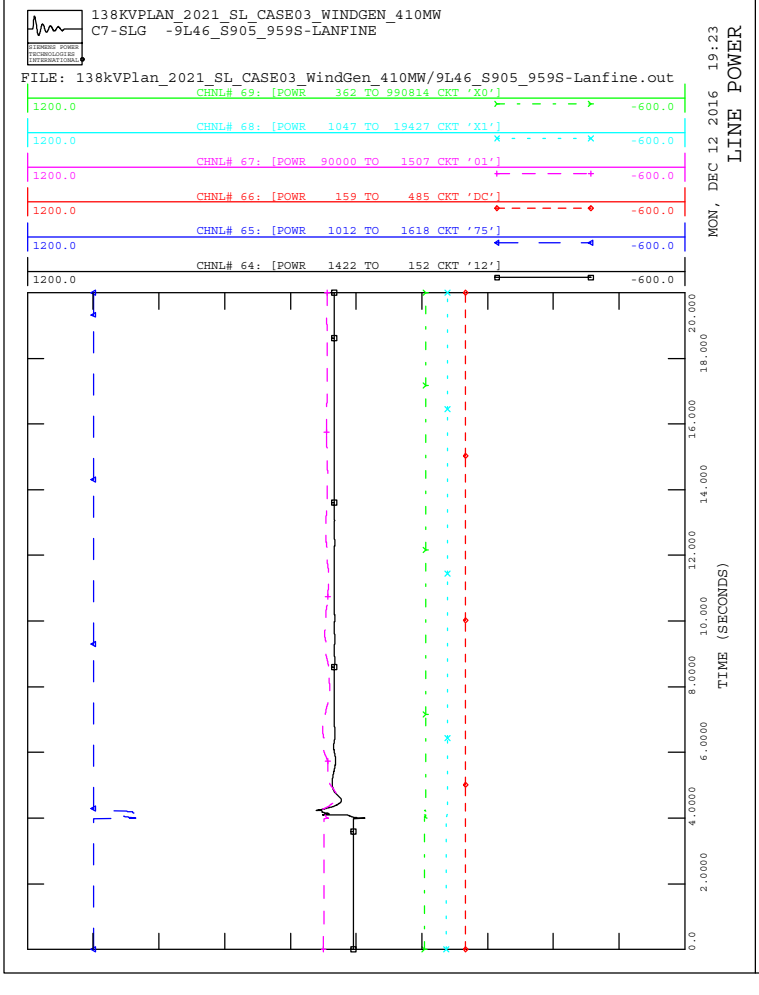
MON, DEC 12 2016 19:23

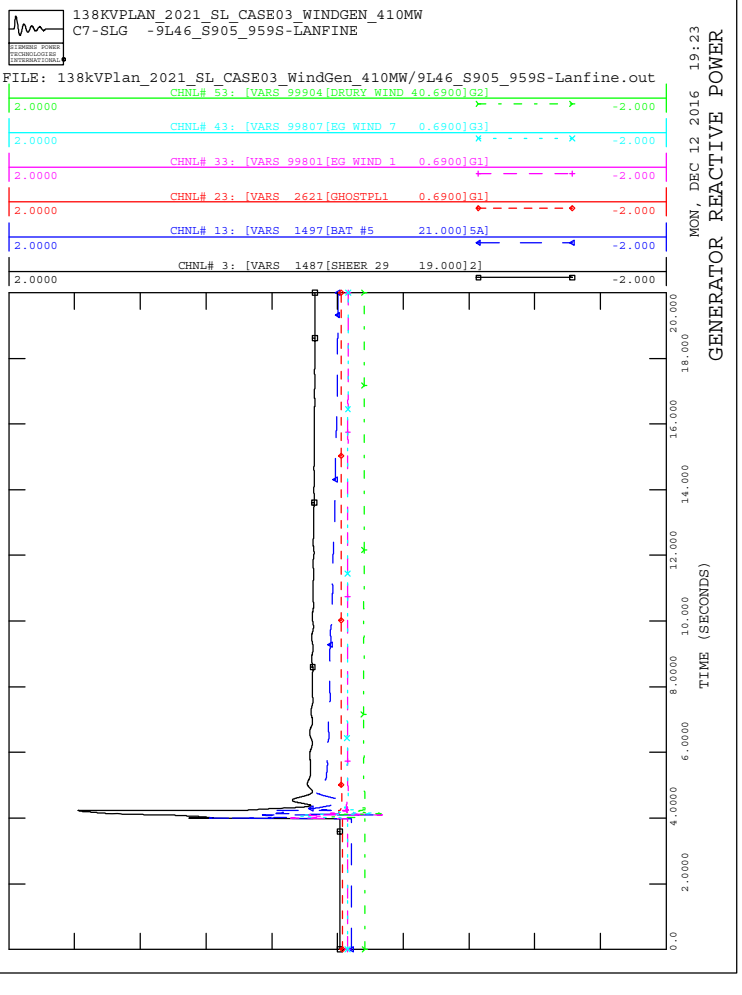
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_959S-Lanfine.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, DEC 12 2016 19:23
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_959S-Lanfine.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, DEC 12 2016 19:23
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_959S-Lanfine.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, DEC 12 2016 19:23
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

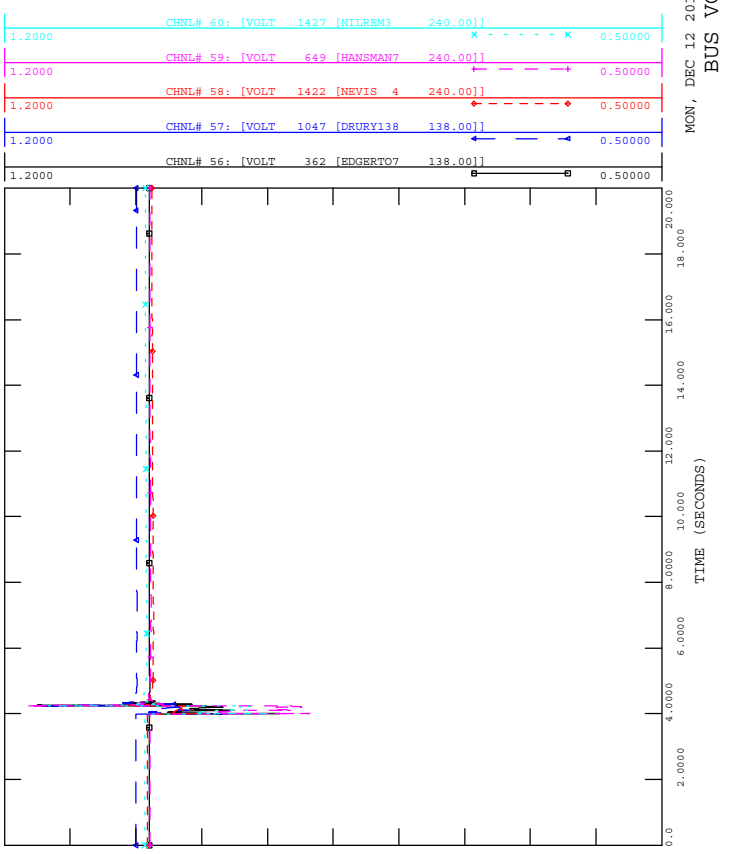

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L46_S905_959S-Lanfine.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, DEC 12 2016 19:23
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

BUS VOLTAGE

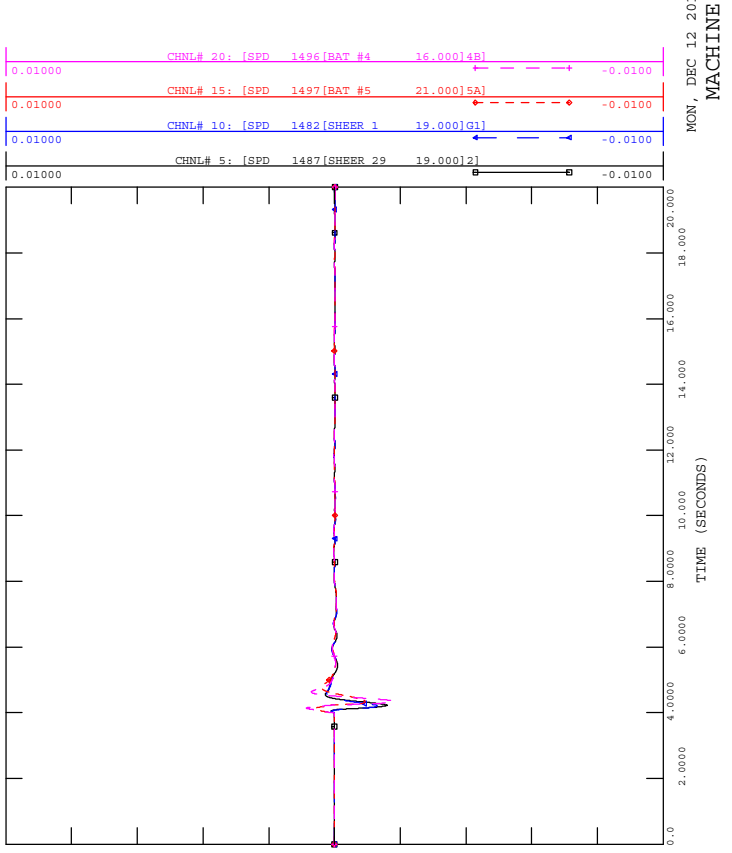


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

MACHINE SPEED

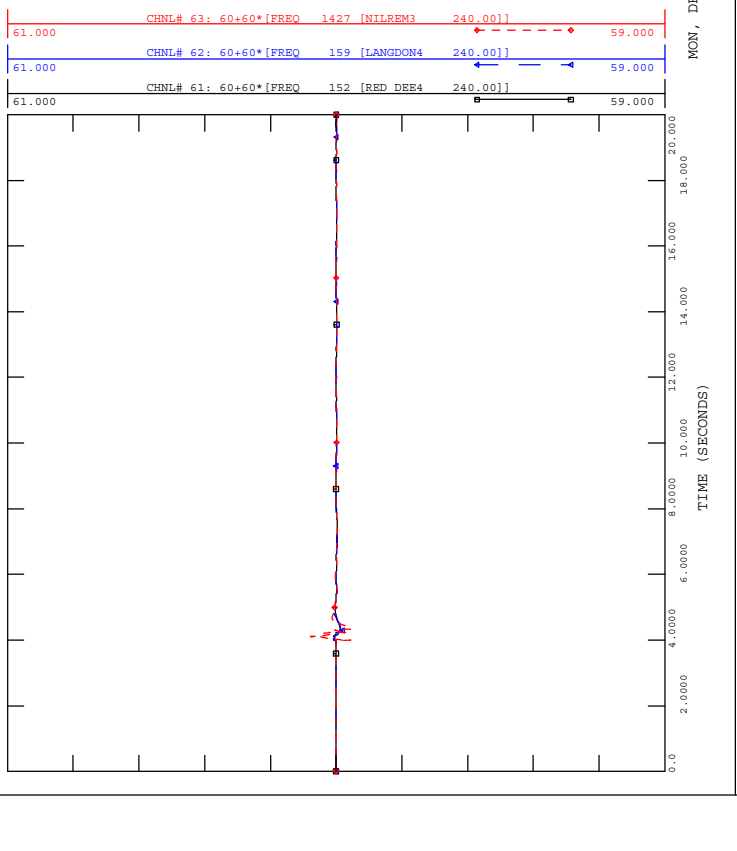


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

FREQUENCY

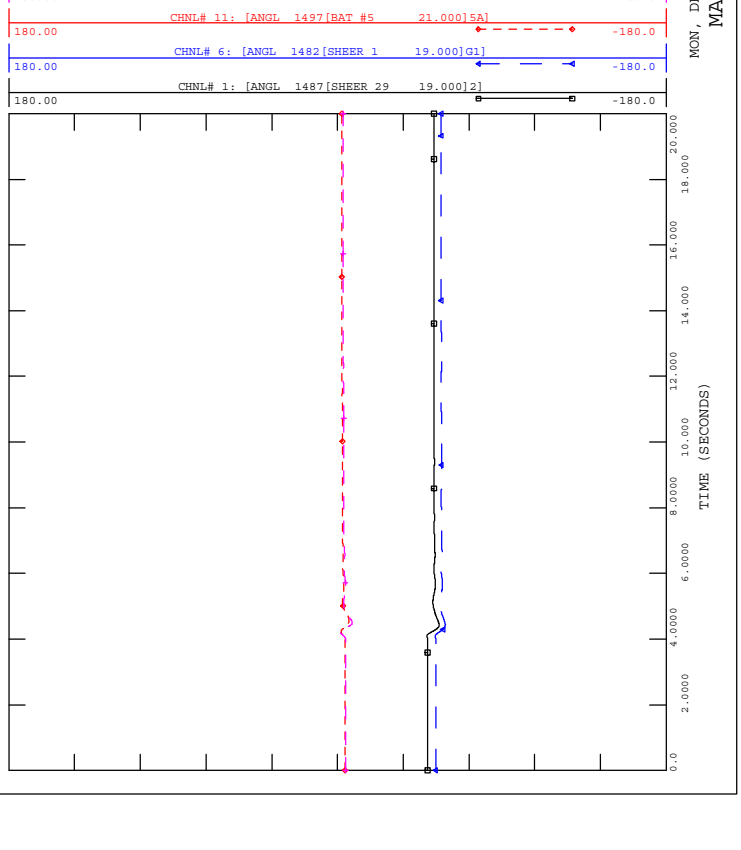


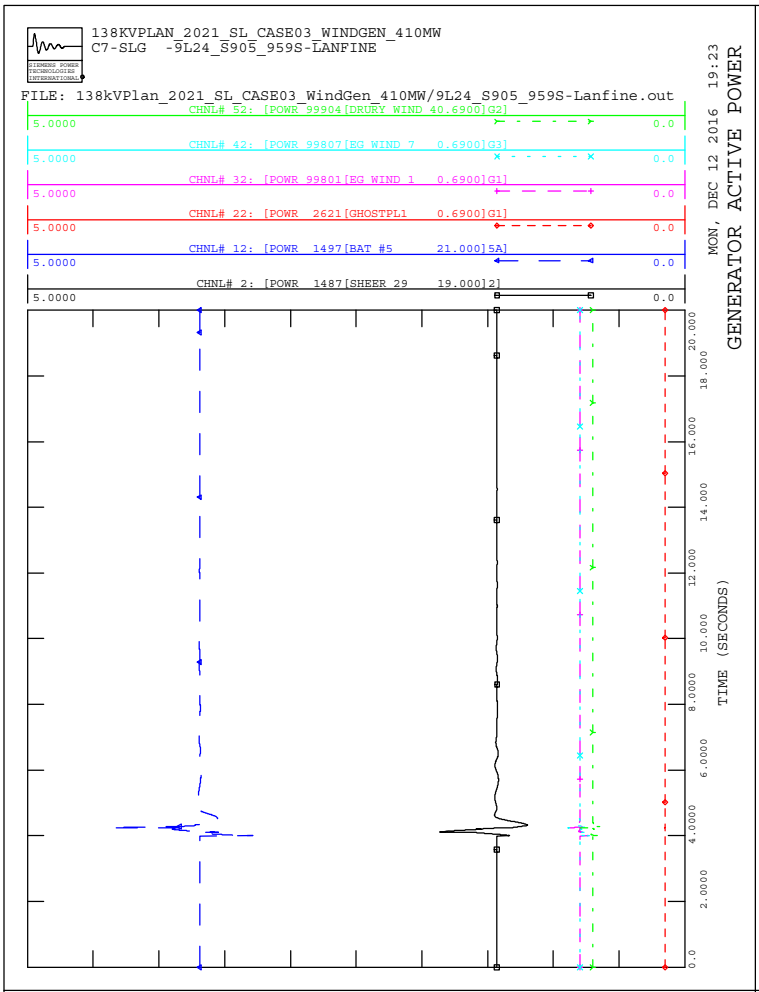
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE

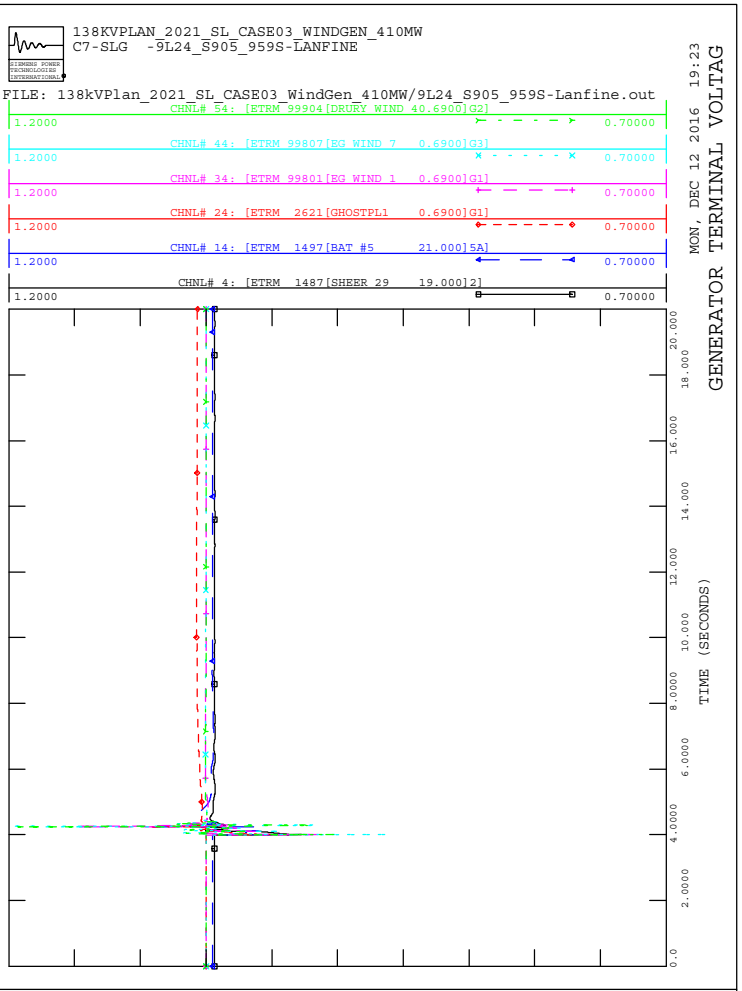
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_S905_959S-Lanfine.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, DEC 12 2016 19:23
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_S905_959S-Lanfine.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, DEC 12 2016 19:23
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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8.0000
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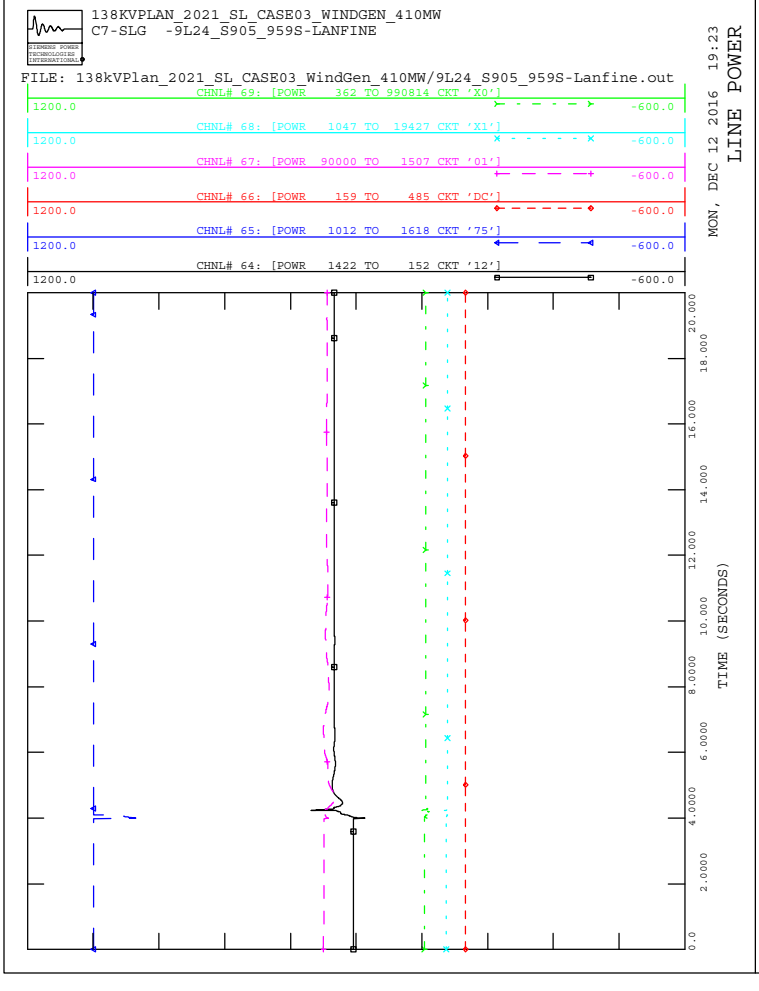
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_S905_959S-Lanfine.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, DEC 12 2016 19:23
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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14.000
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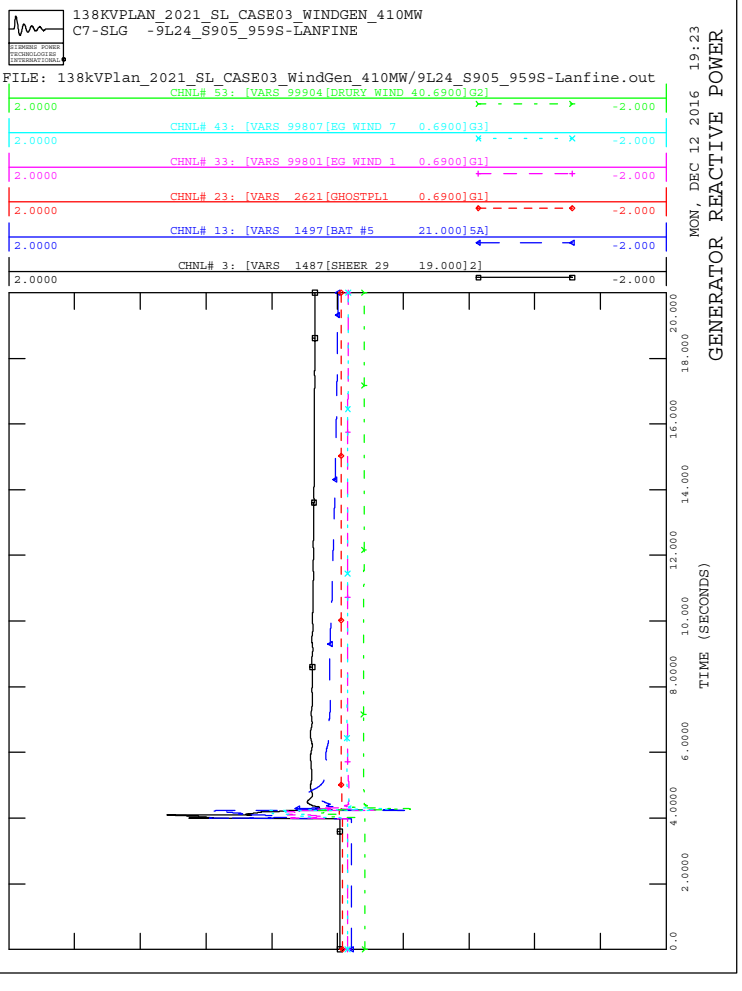
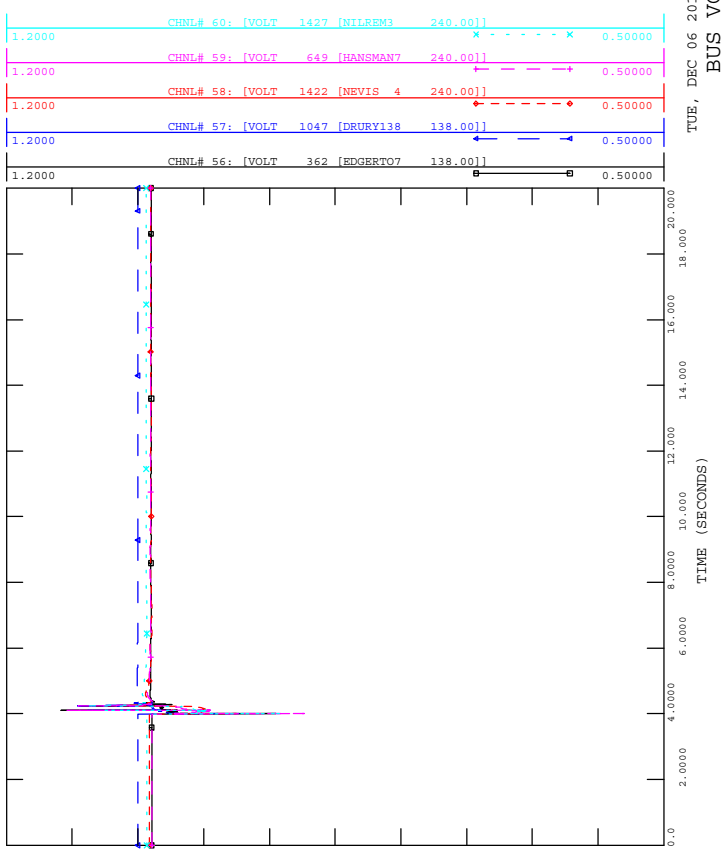

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_S905_959S-Lanfine.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, DEC 12 2016 19:23
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_946S_946S-Oakland.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE

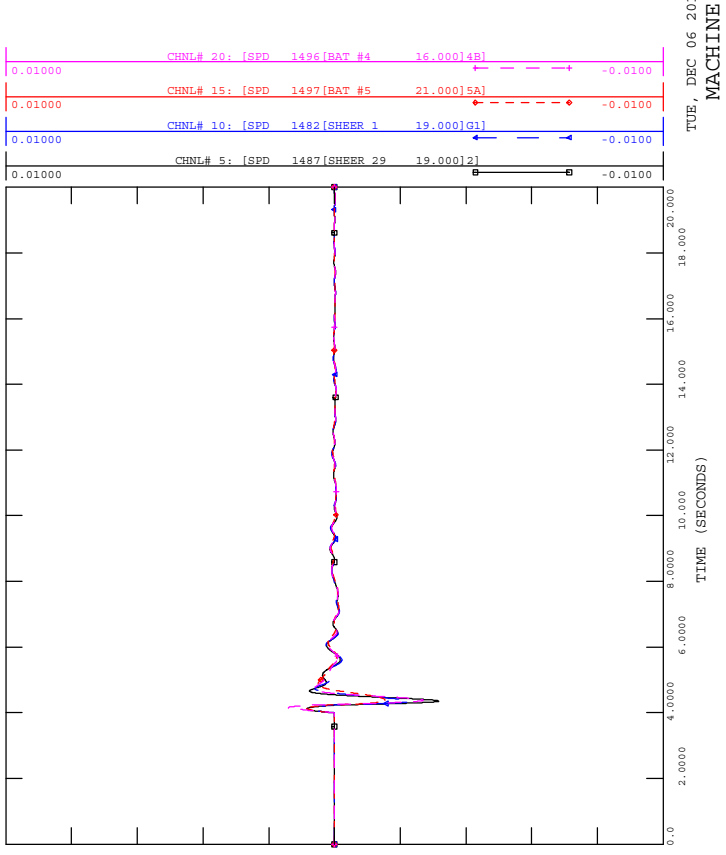


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_946S_946S-Oakland.out

TUE, DEC 06 2016 21:57

MACHINE SPEED

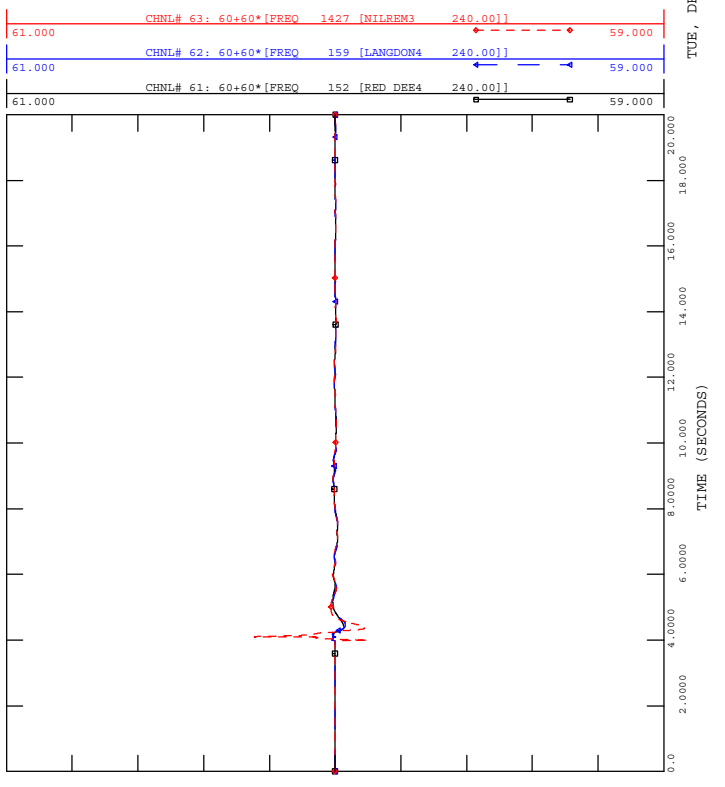


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_946S_946S-Oakland.out

TUE, DEC 06 2016 21:57

FREQUENCY

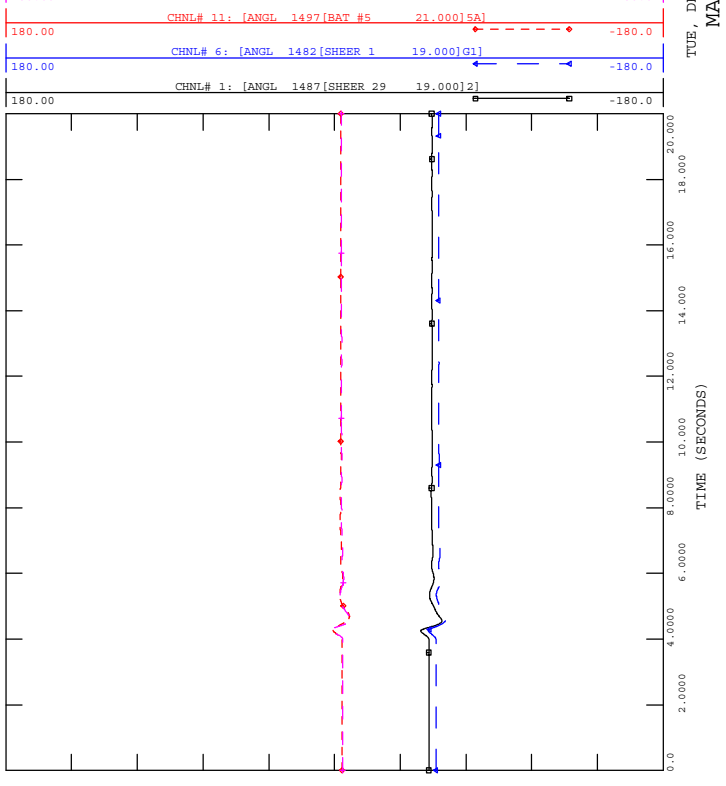


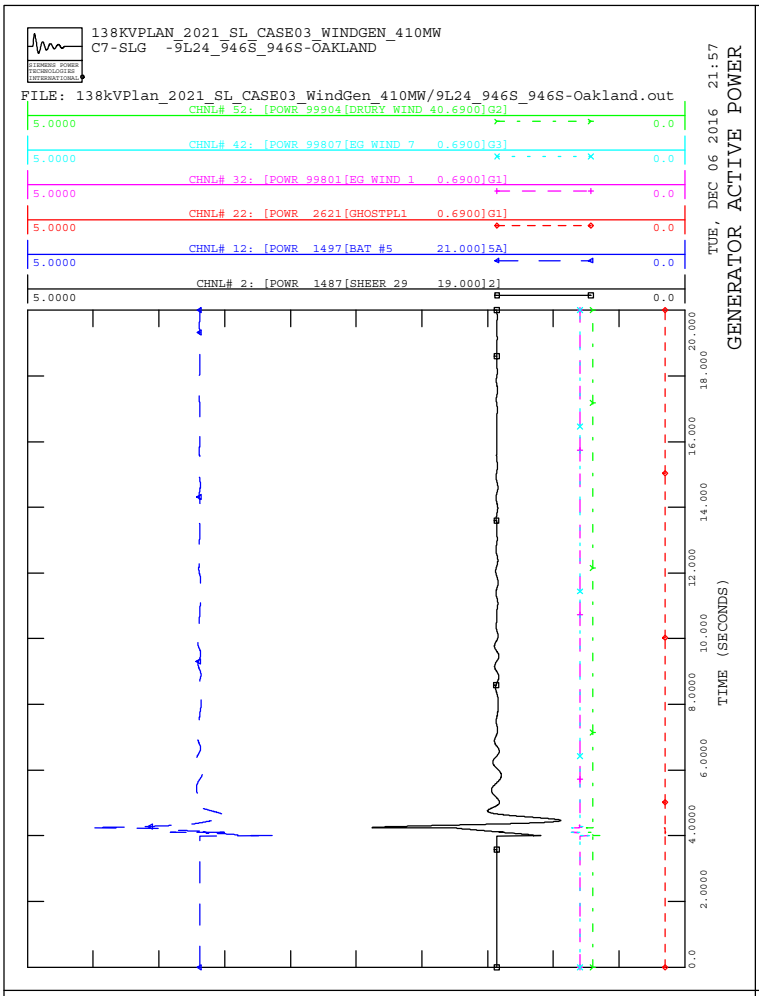
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_946S_946S-Oakland.out

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_946S_946S-Oakland.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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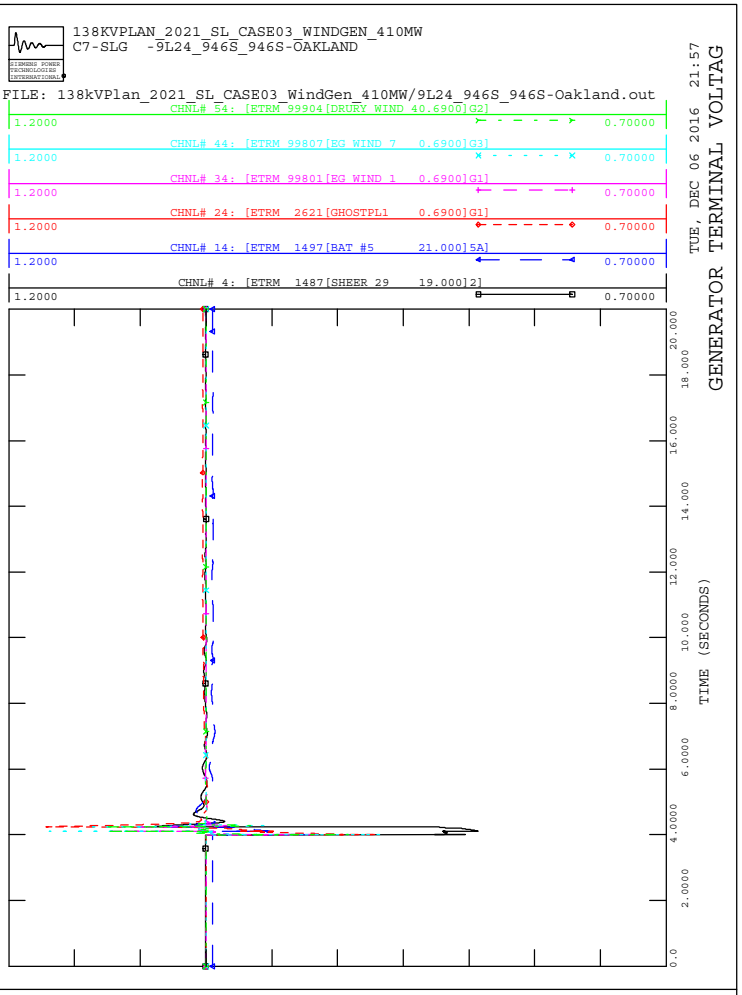
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_946S_946S-Oakland.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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12.000
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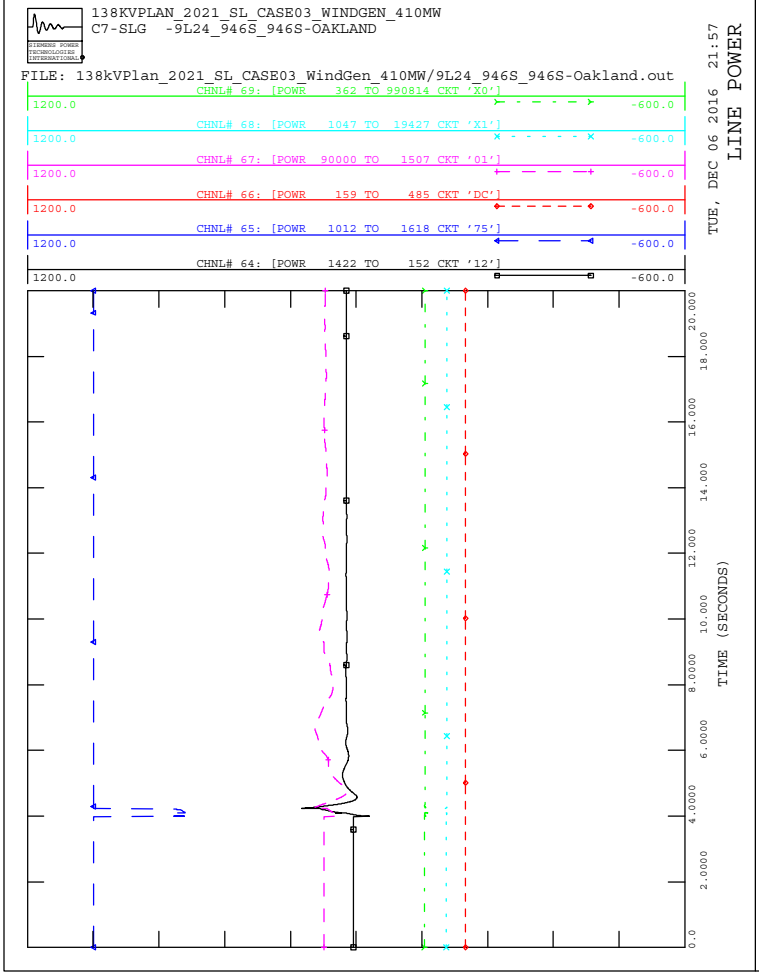
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C7-SLG -9L24_946S_946S-OAKLAND
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_946S_946S-Oakland.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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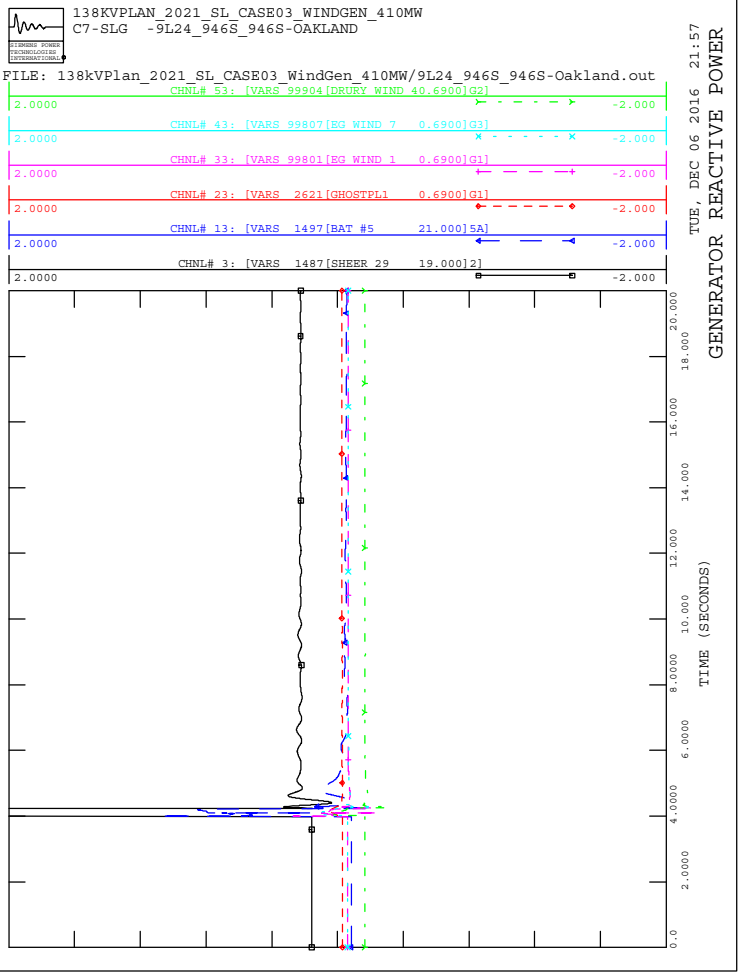
20.000

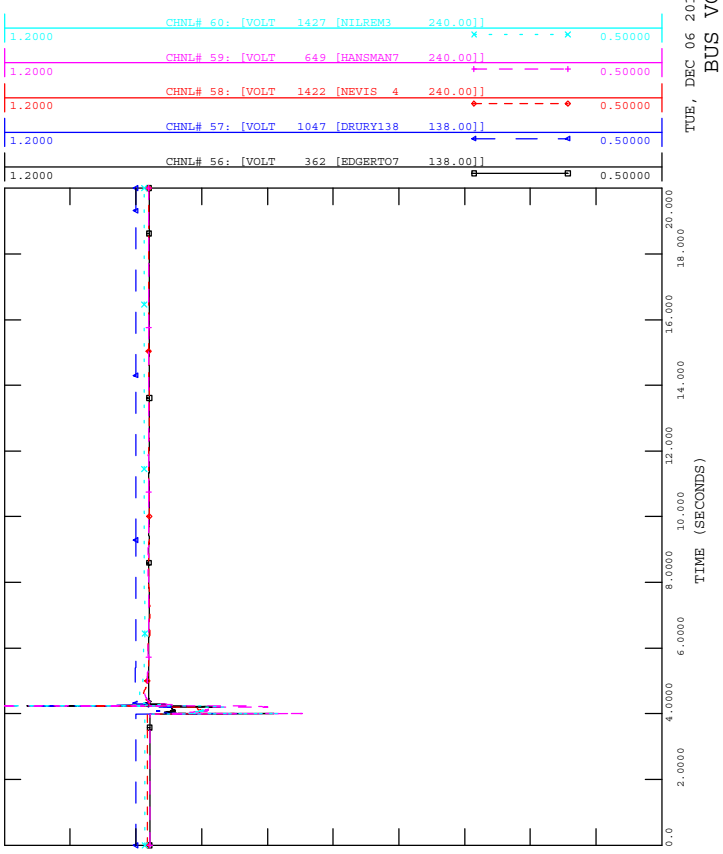

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L24_946S_946S-Oakland.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_946S_946S-Oakland.out

TUE, DEC 06 2016 21:57

BUS VOLTAGE

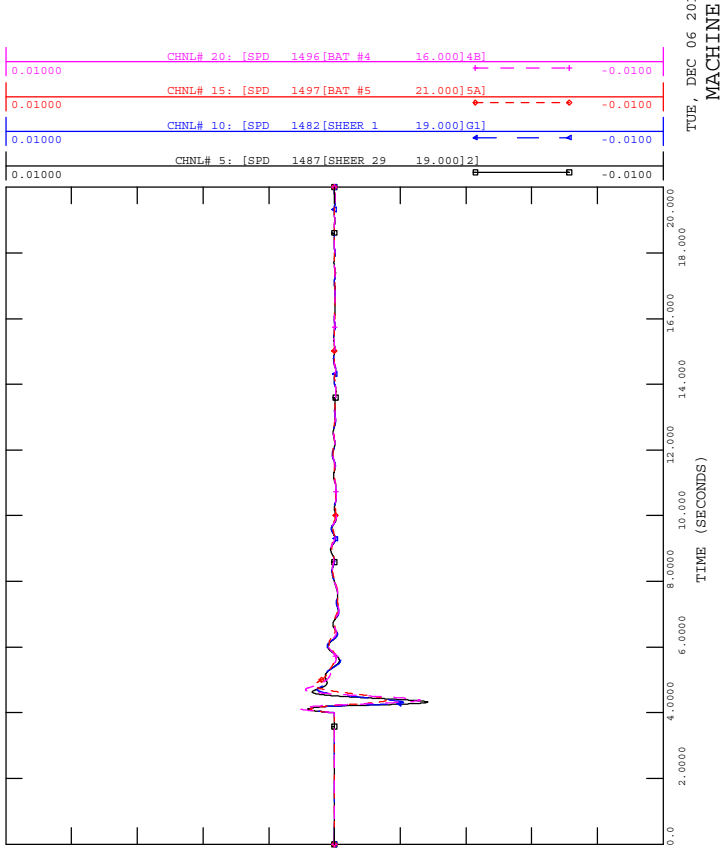


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_946S_946S-Oakland.out

TUE, DEC 06 2016 21:57

MACHINE SPEED

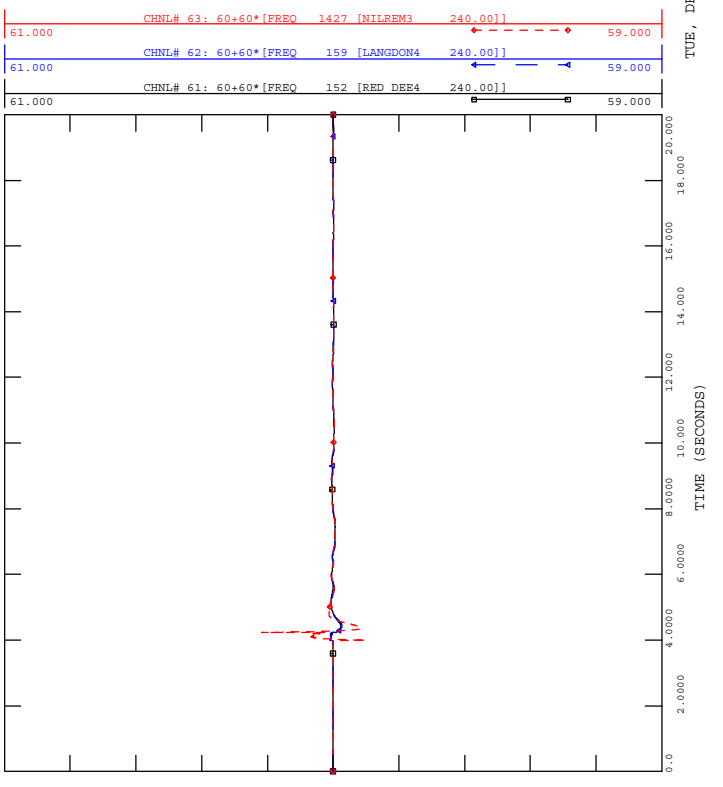


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_946S_946S-Oakland.out

TUE, DEC 06 2016 21:57

FREQUENCY

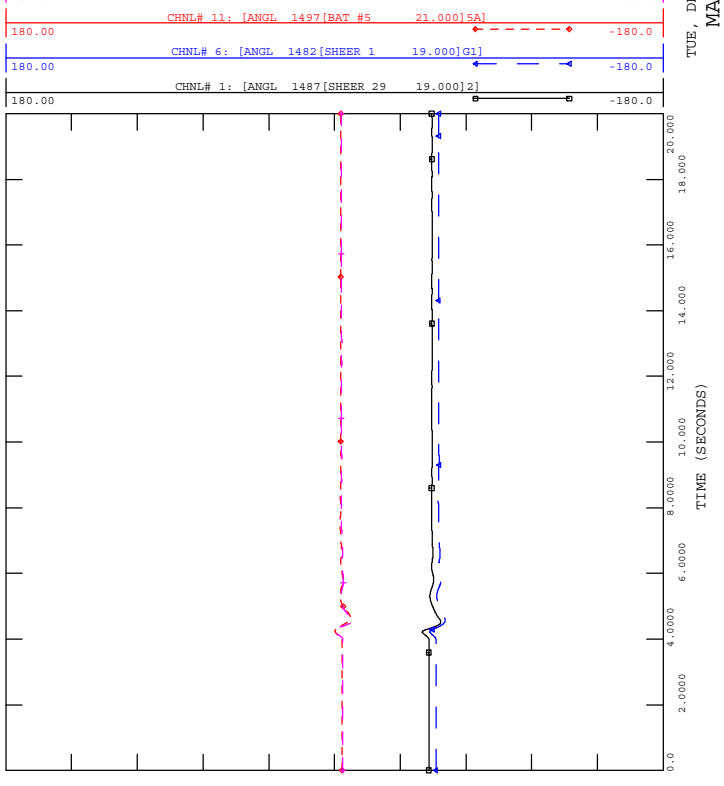


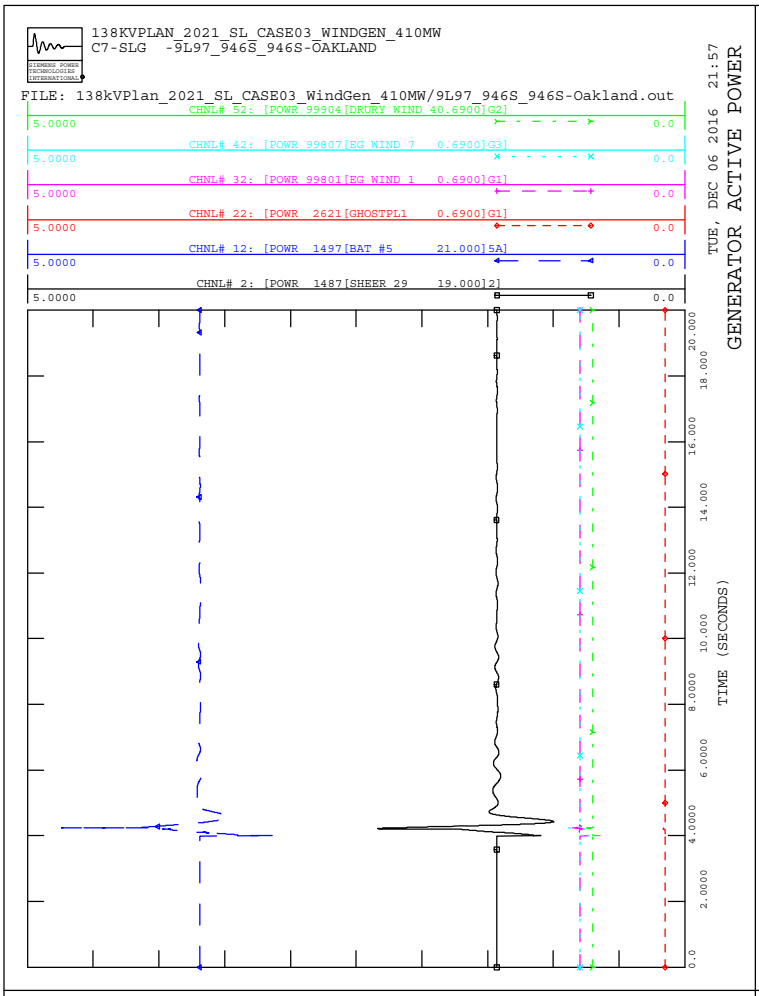
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L97_946S_946S-OAKLAND

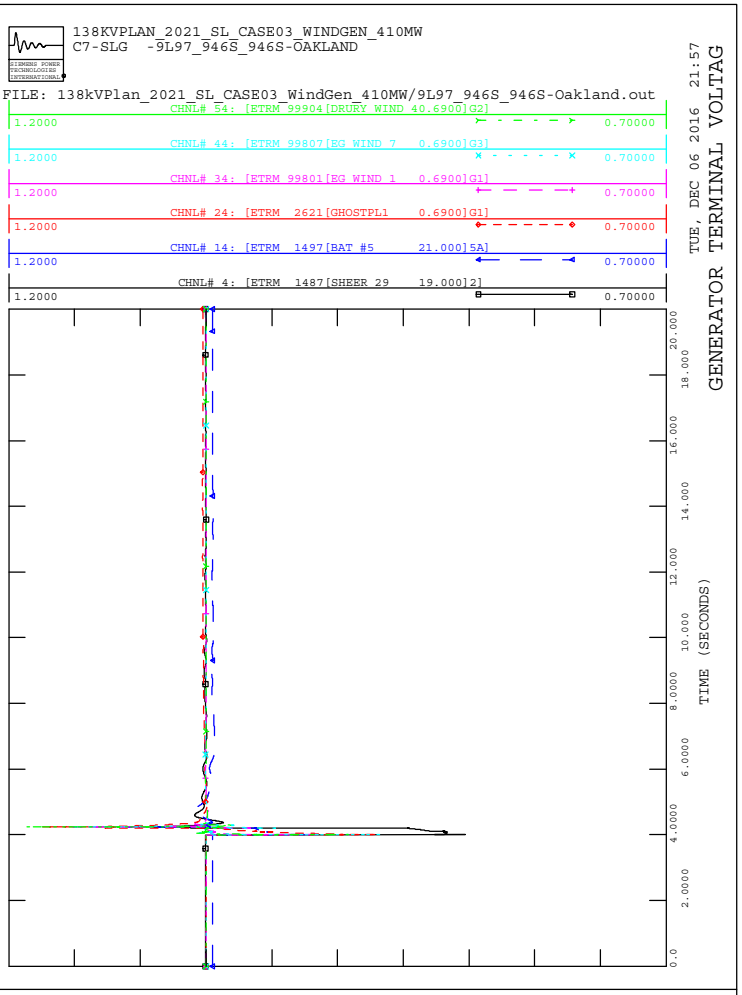
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_946S_946S-Oakland.out

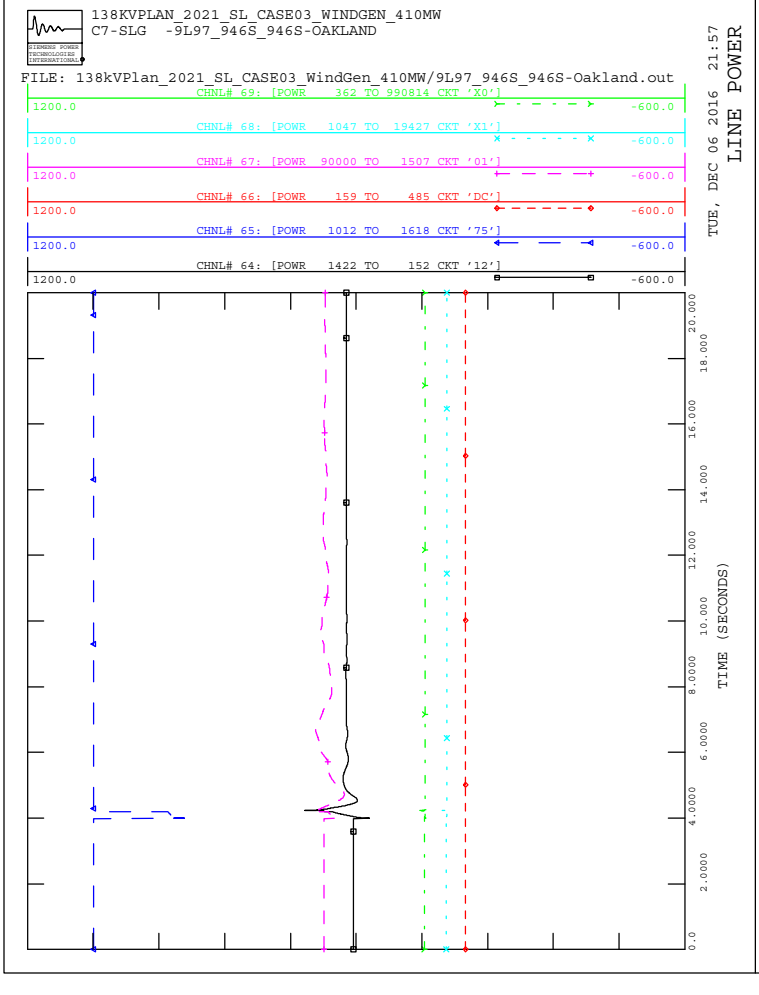
TUE, DEC 06 2016 21:57

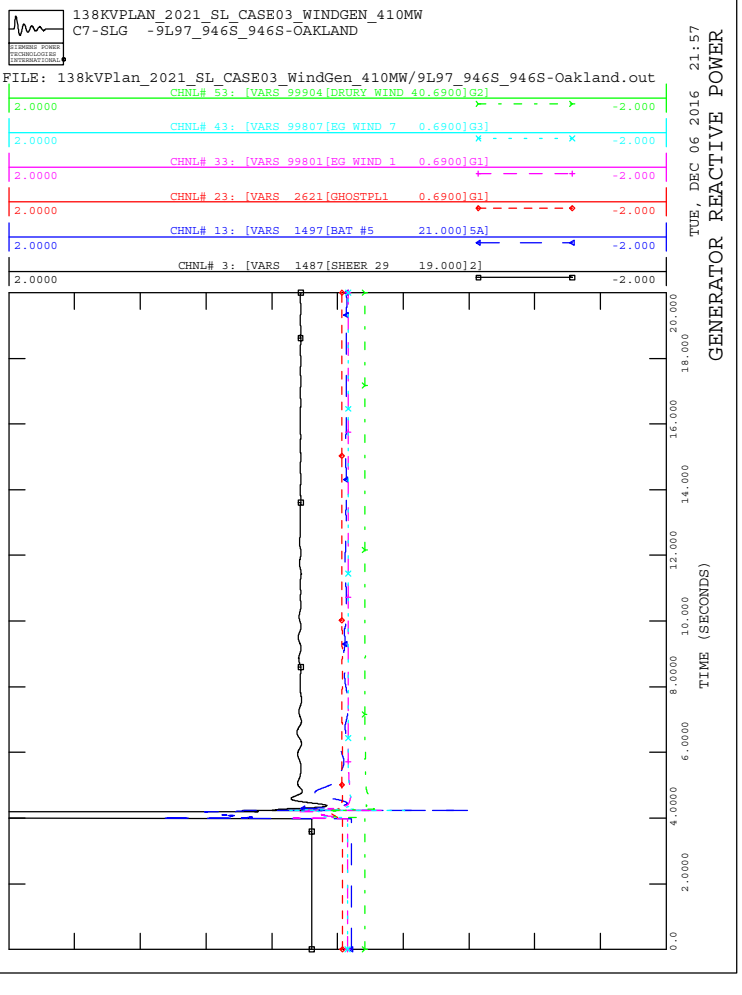
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L97_946S_946S-OAKLAND
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_946S_946S-Oakland.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L97_946S_946S-OAKLAND
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_946S_946S-Oakland.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L97_946S_946S-OAKLAND
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_946S_946S-Oakland.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)

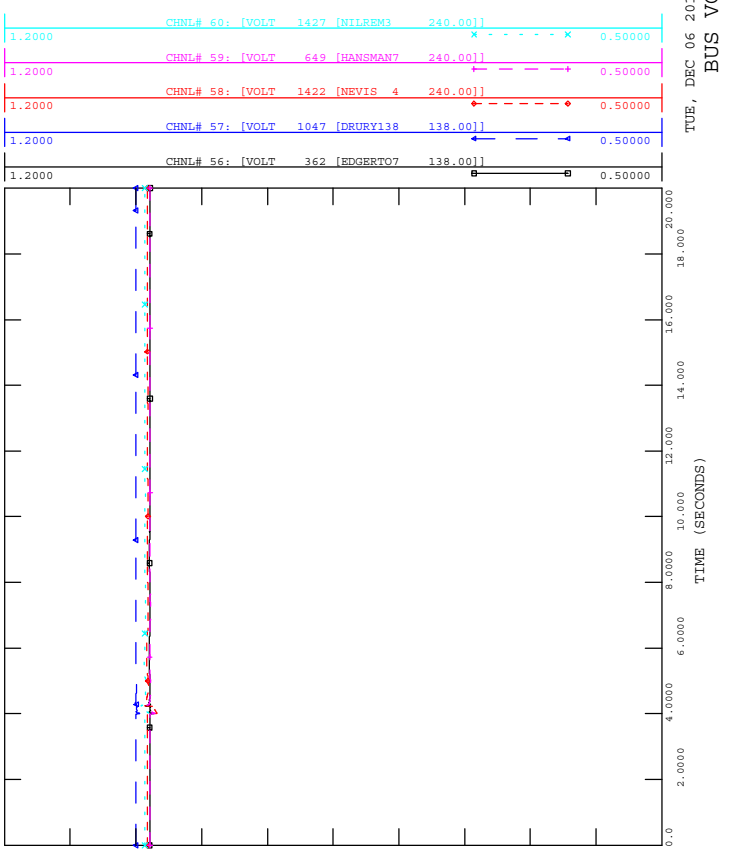

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L97_946S_946S-OAKLAND
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L97_946S_946S-Oakland.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S902_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

BUS VOLTAGE

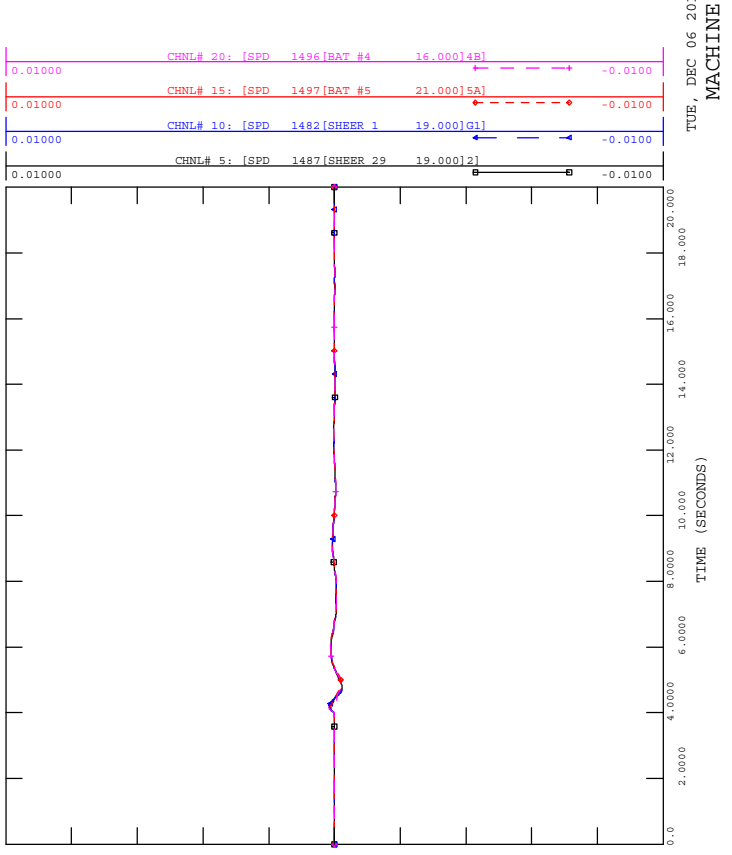


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S902_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

MACHINE SPEED

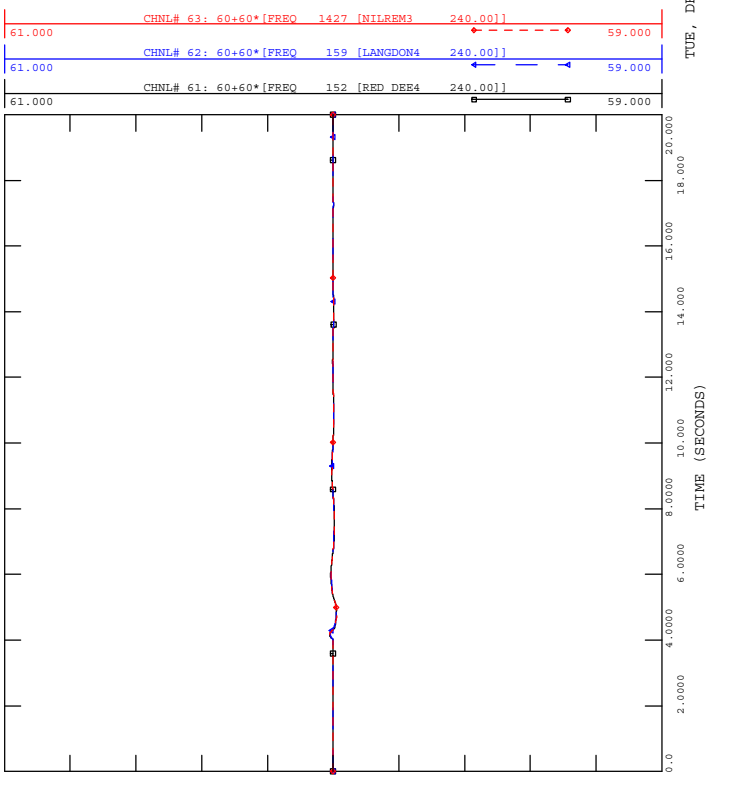


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S902_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

FREQUENCY

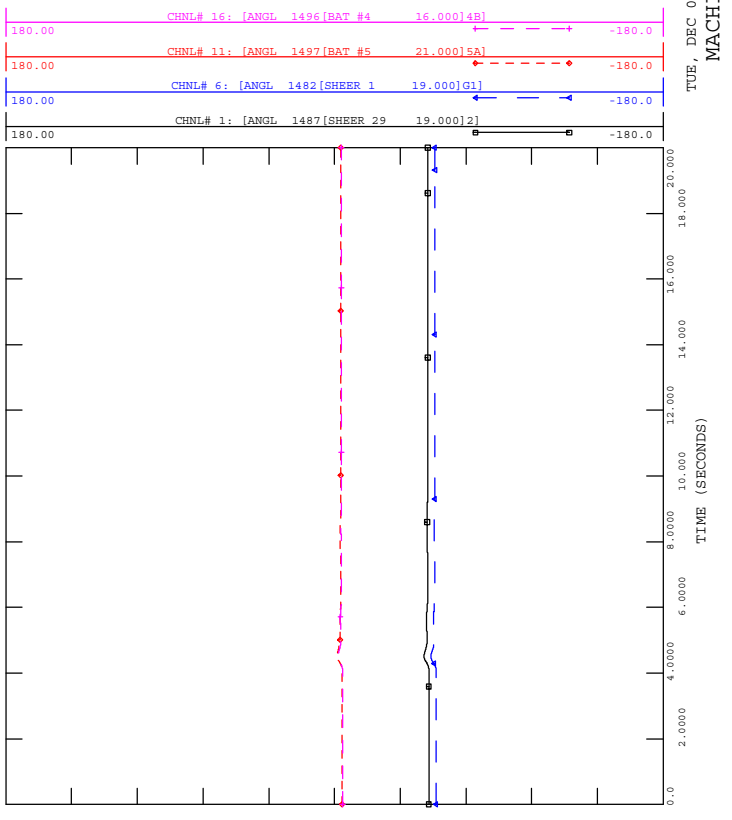


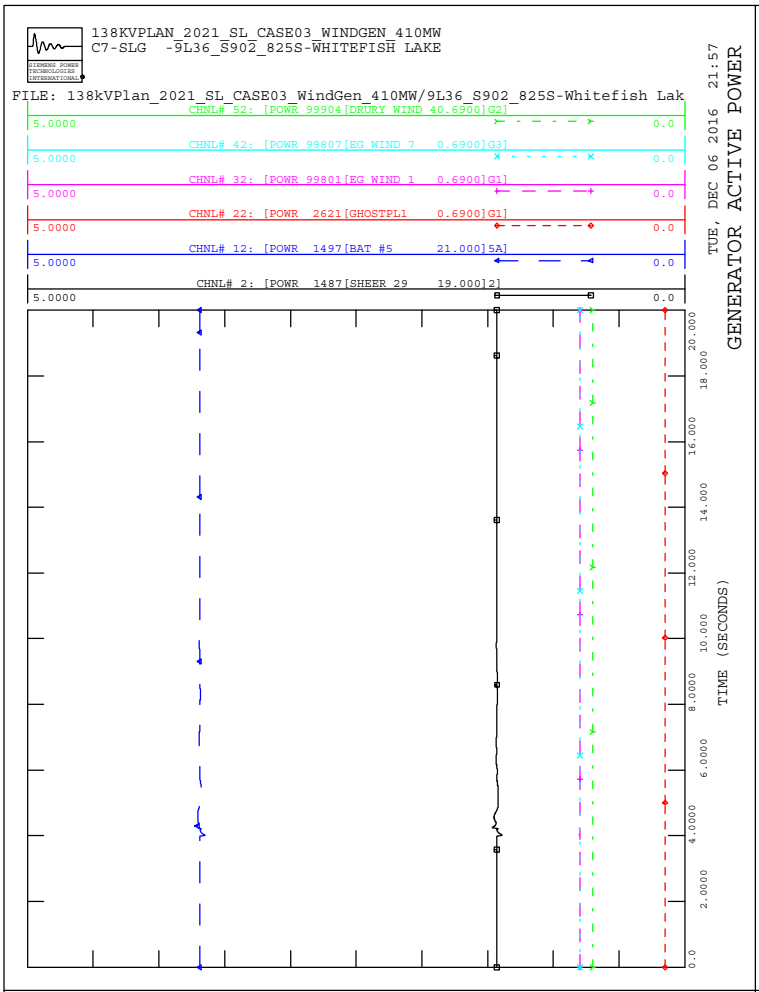
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

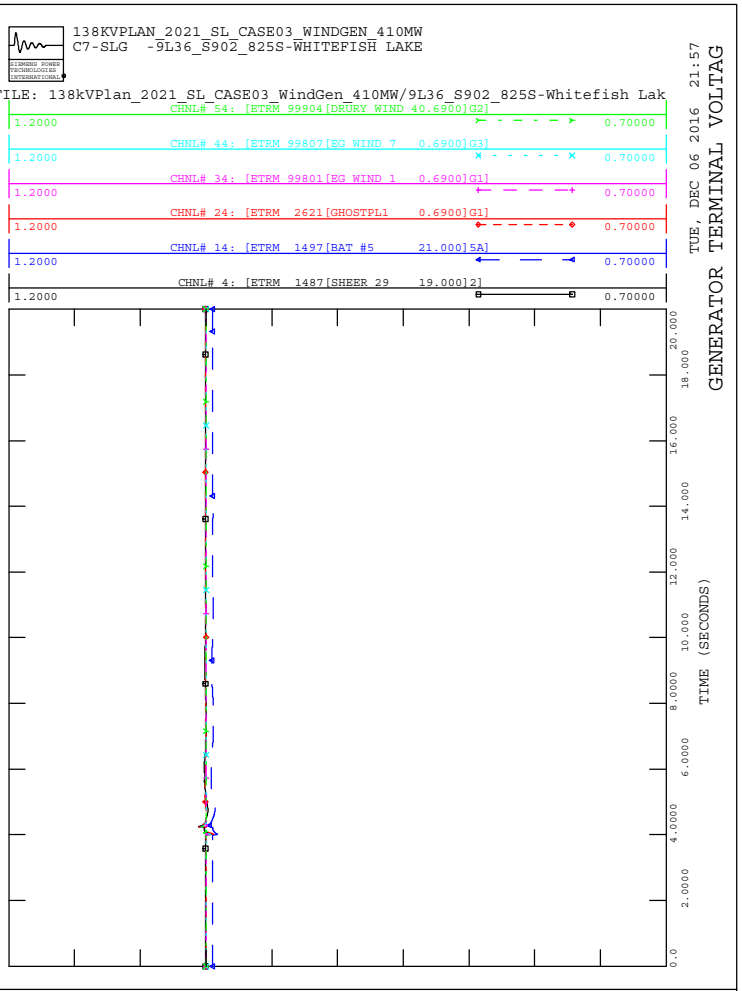
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S902_825S-Whitefish Lak

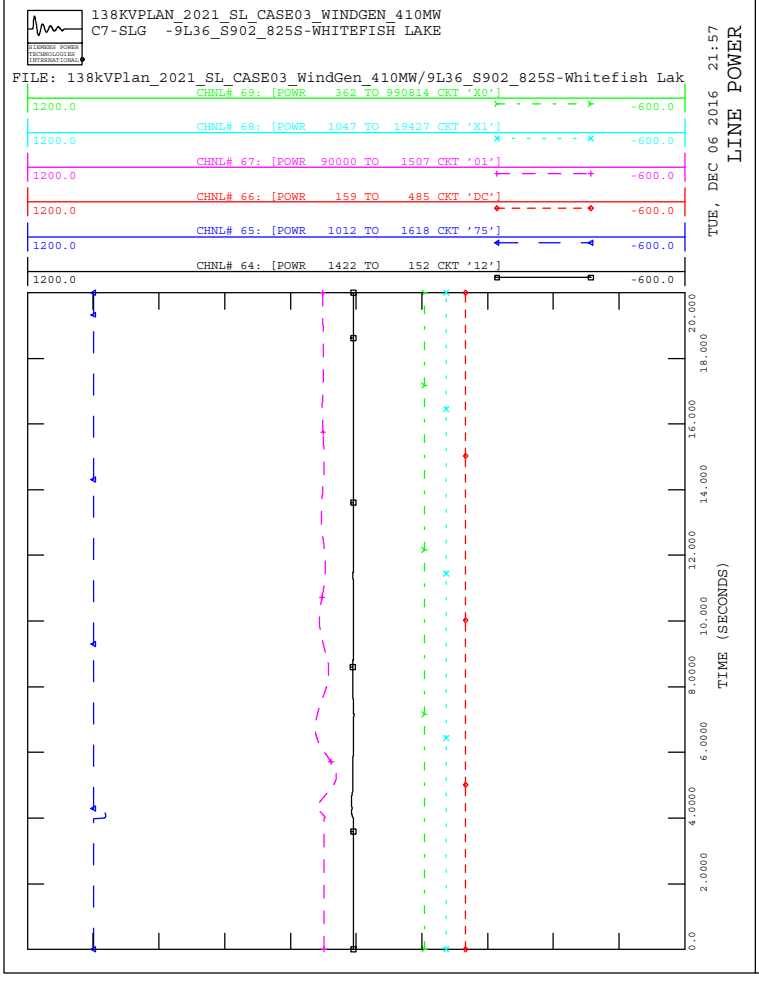
TUE, DEC 06 2016 21:57

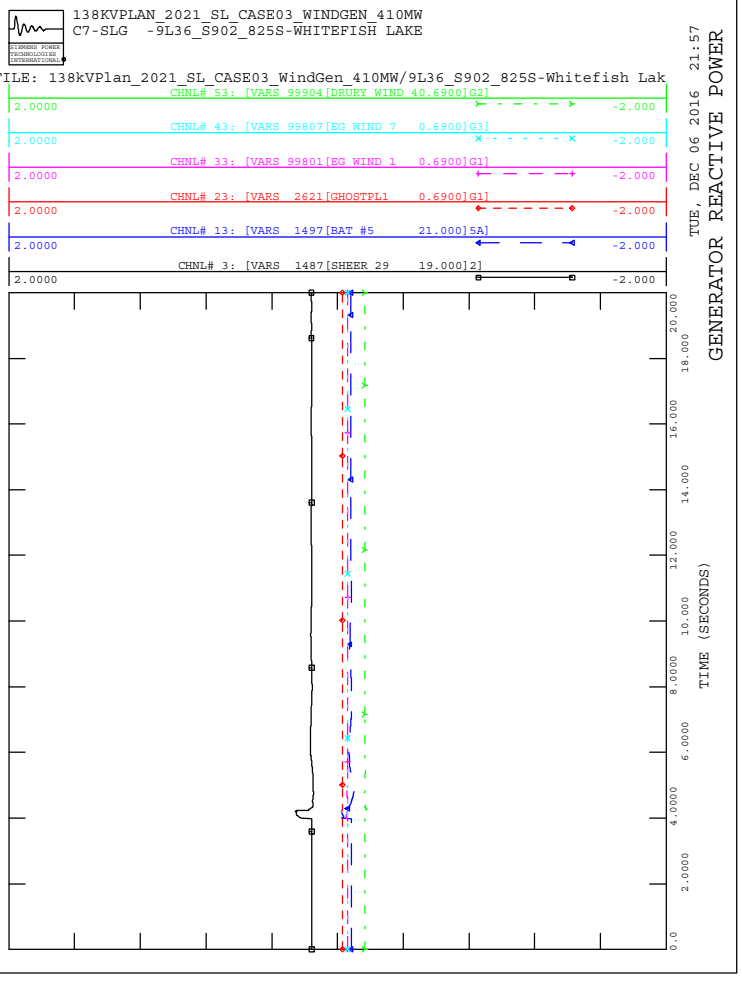
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S902_825S-Whitefish Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S902_825S-Whitefish Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S902_825S-Whitefish Lak
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

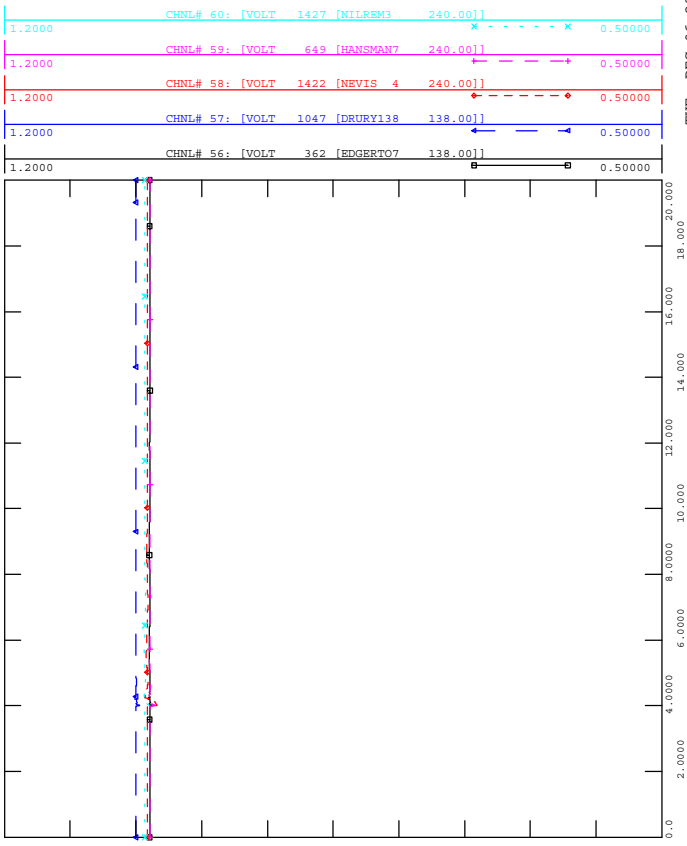

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S902_825S-Whitefish Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S906_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

BUS VOLTAGE

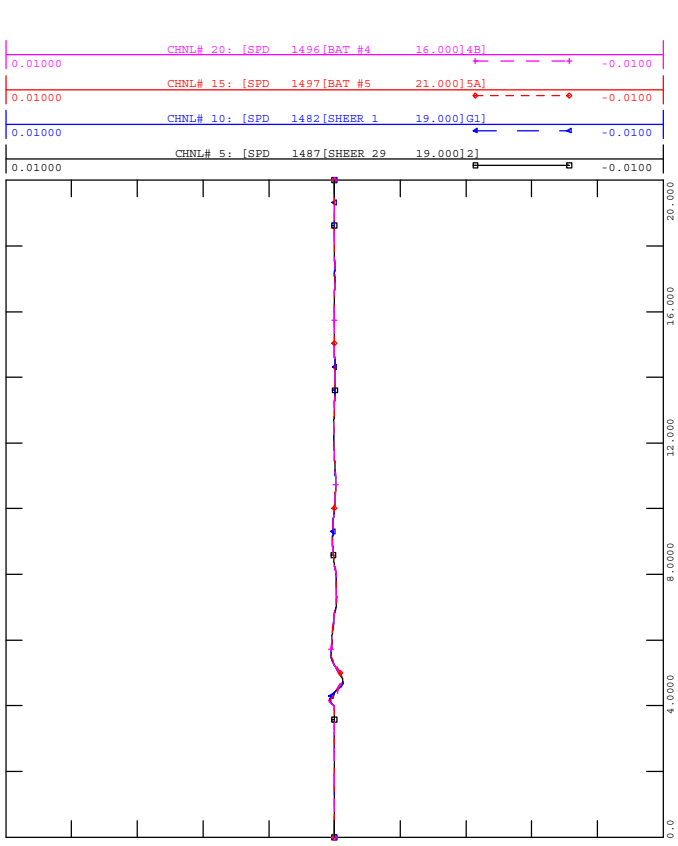


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S906_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

MACHINE SPEED

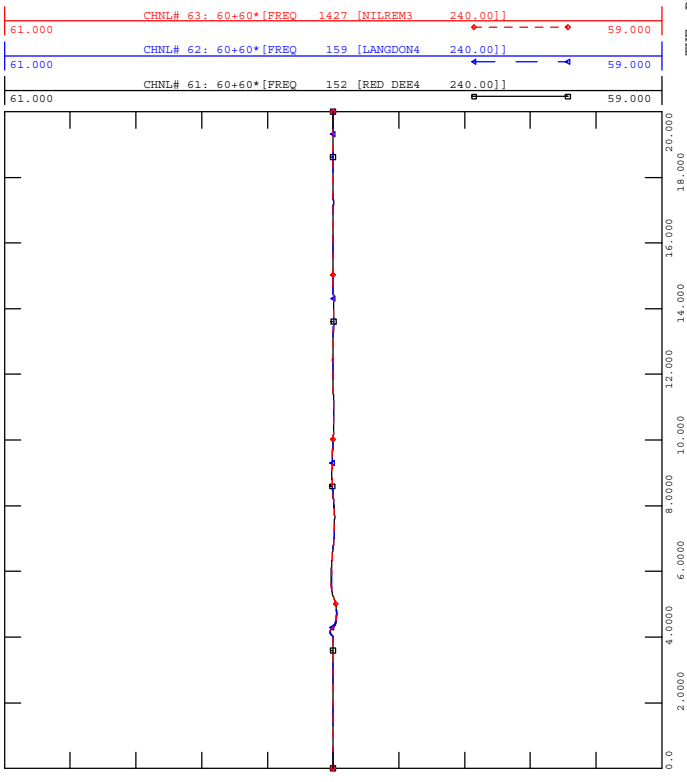


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S906_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

FREQUENCY

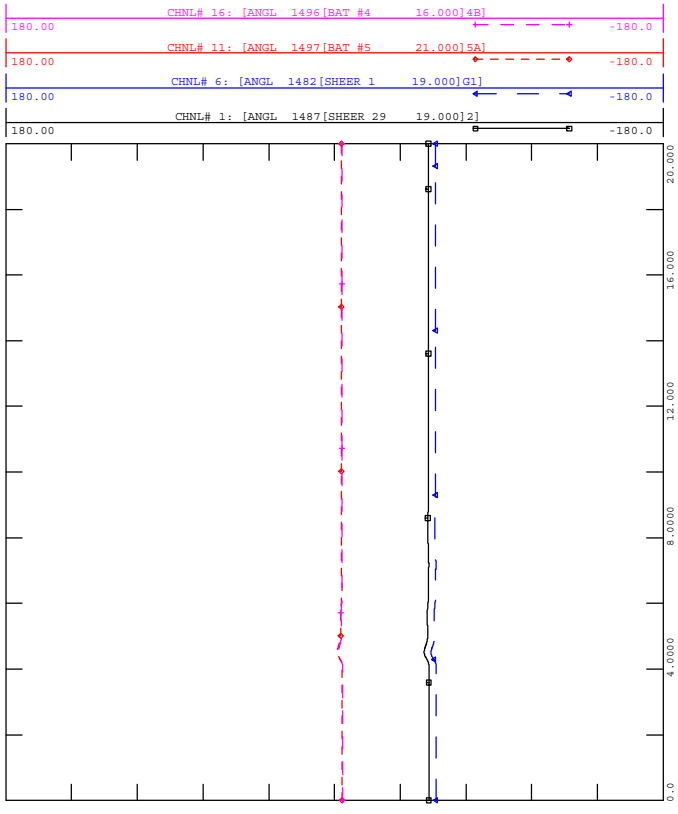


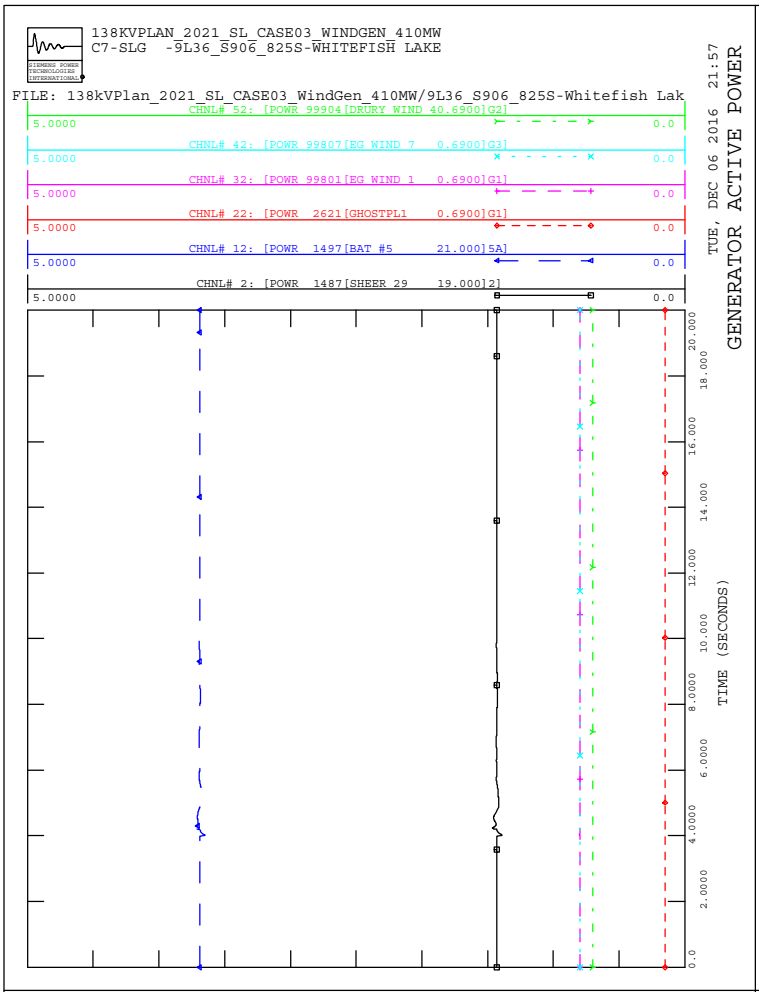
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S906_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S906_825S-Whitefish Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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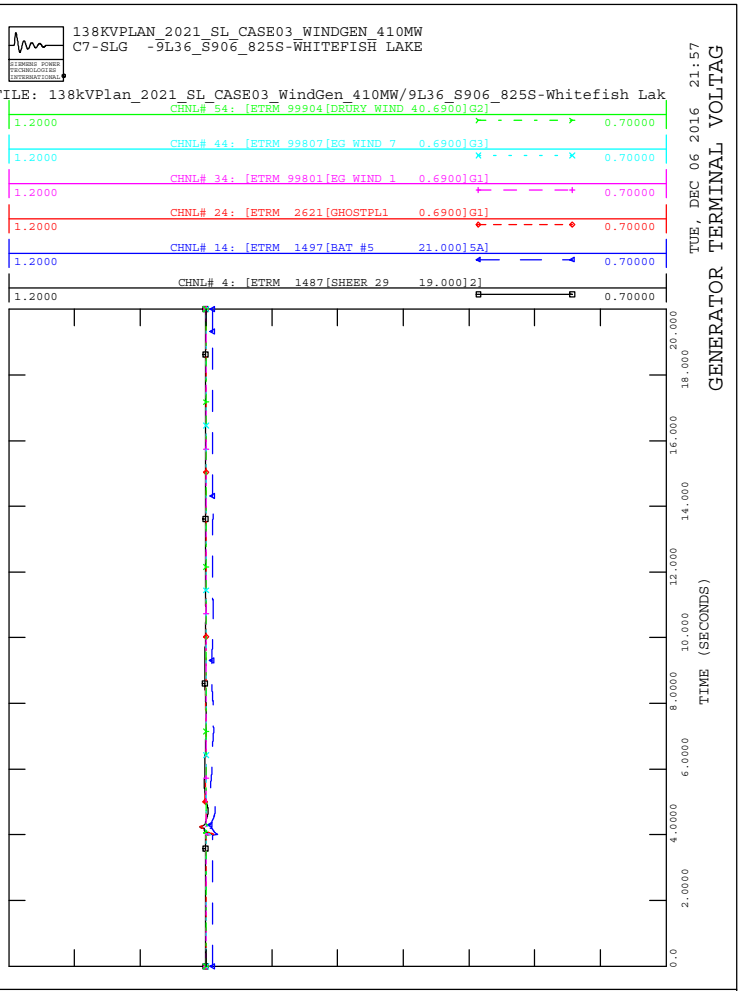
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S906_825S-Whitefish Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
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12.000
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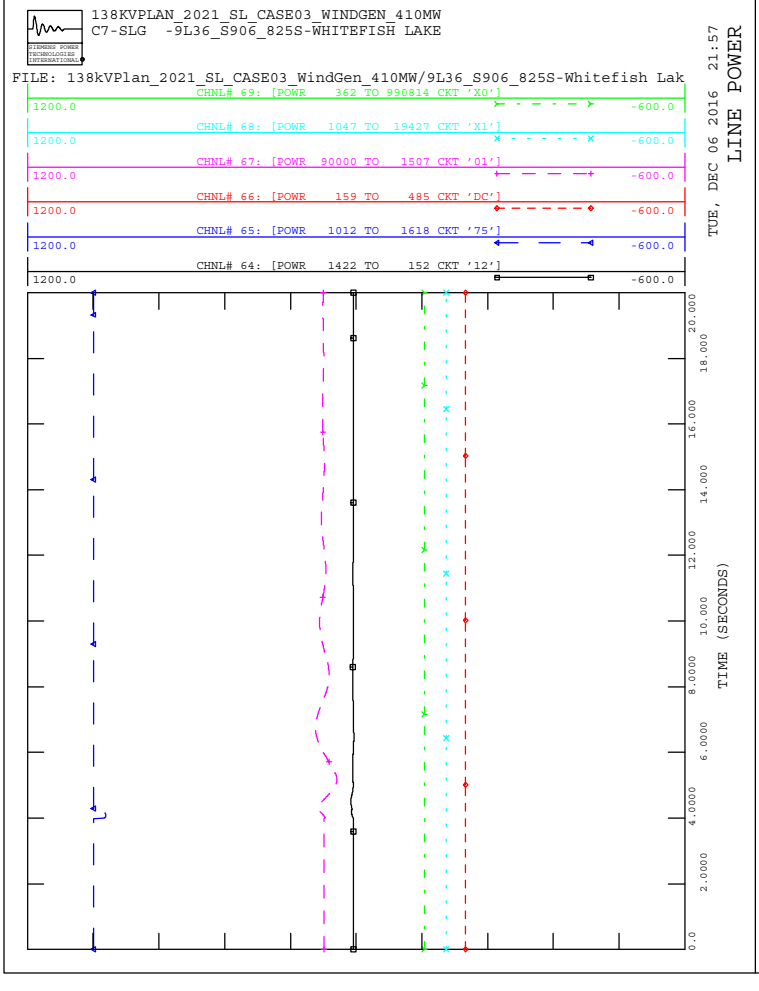
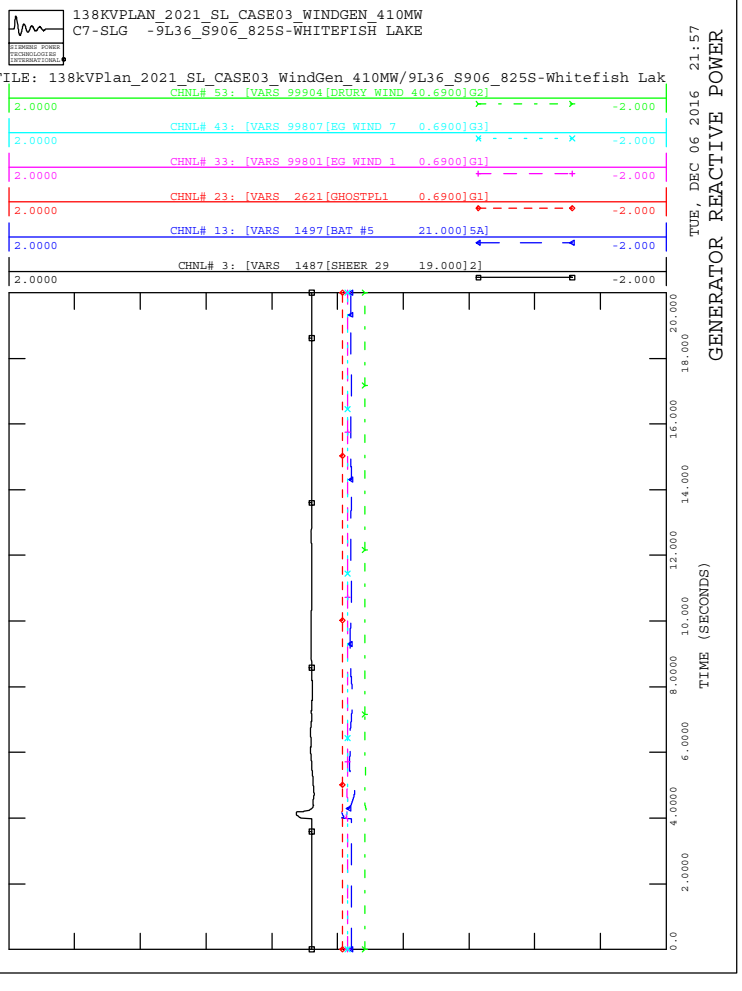

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S906_825S-Whitefish Lak
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

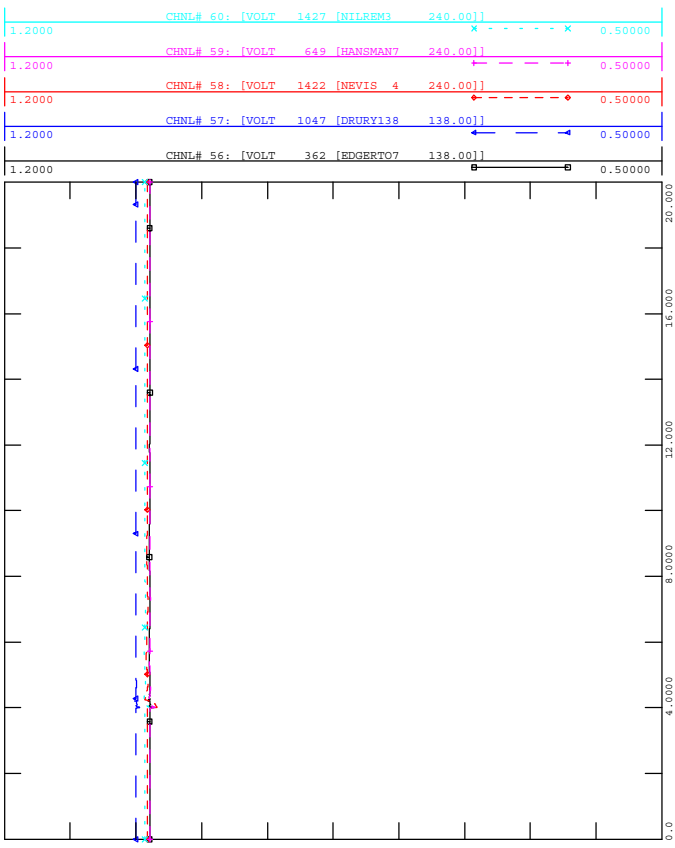

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L36_S906_825S-Whitefish Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S905_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

BUS VOLTAGE

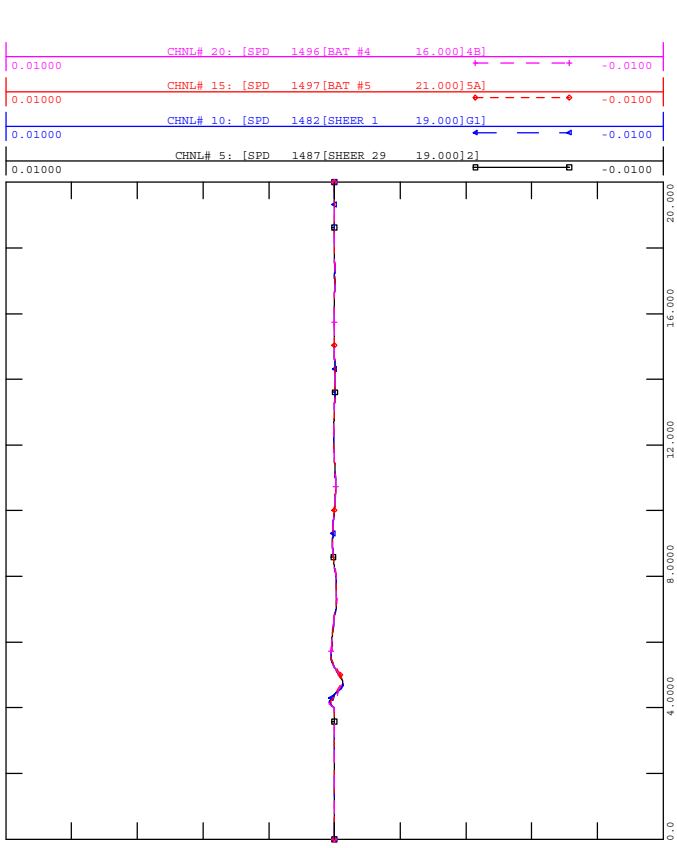


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S905_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

MACHINE SPEED



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C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S905_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

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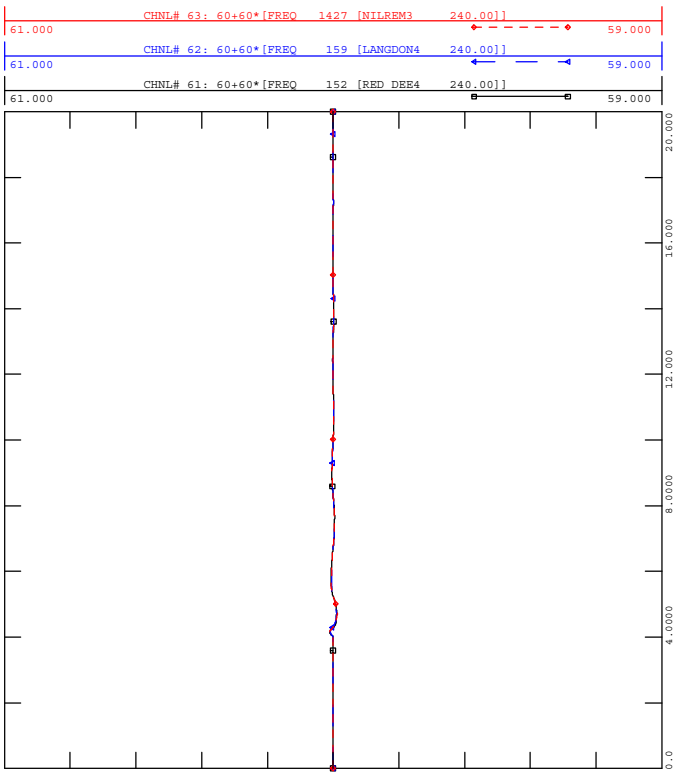
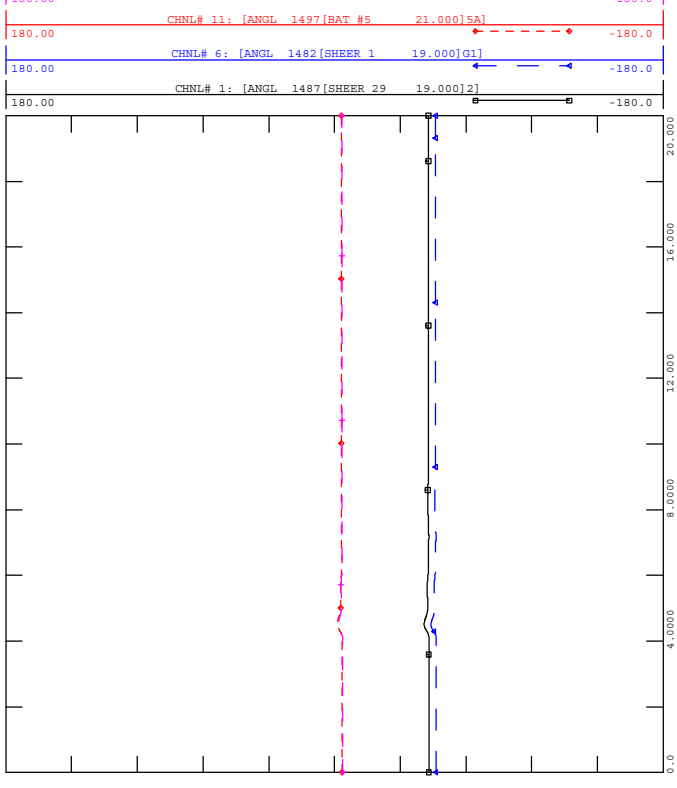


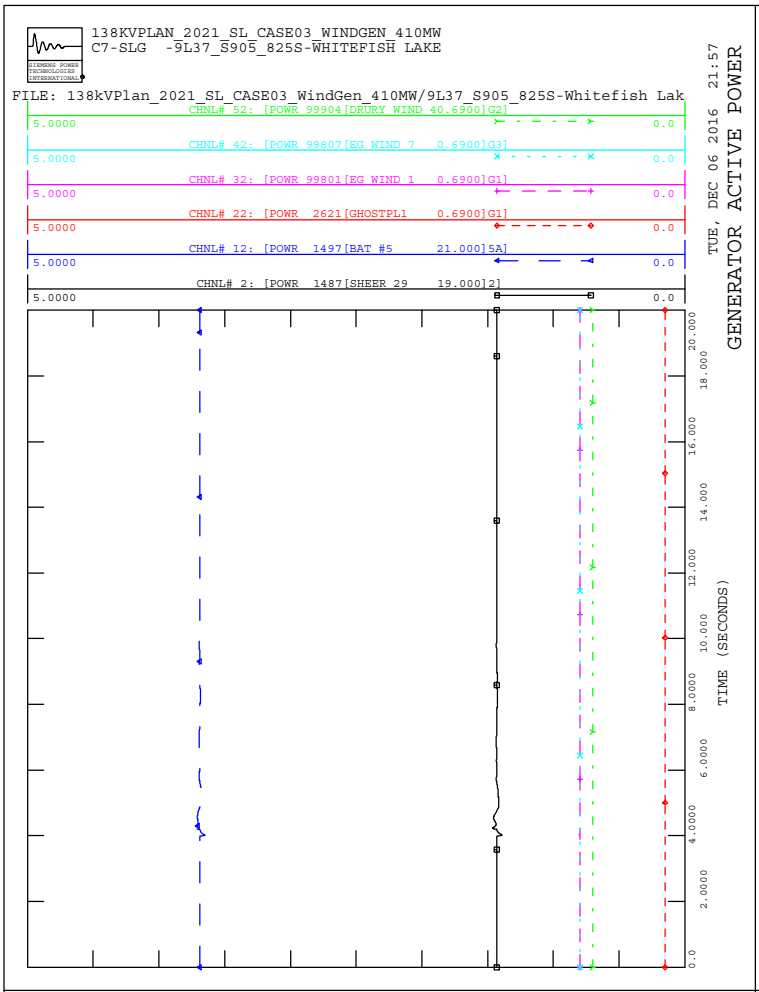
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S905_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S905_825S-Whitefish Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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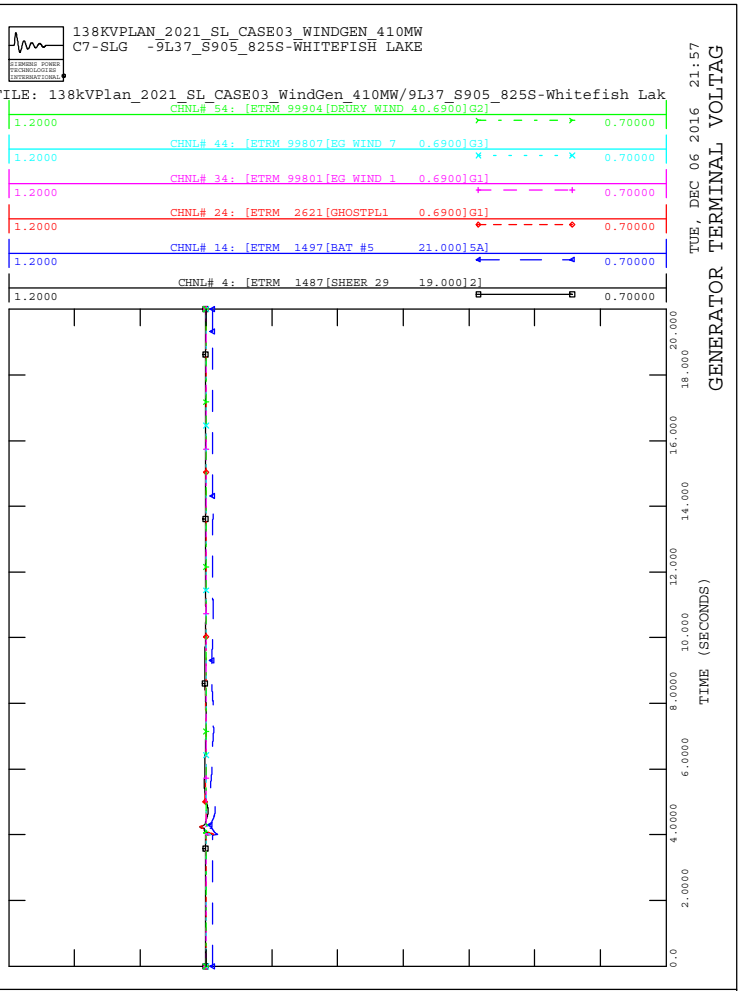
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S905_825S-Whitefish Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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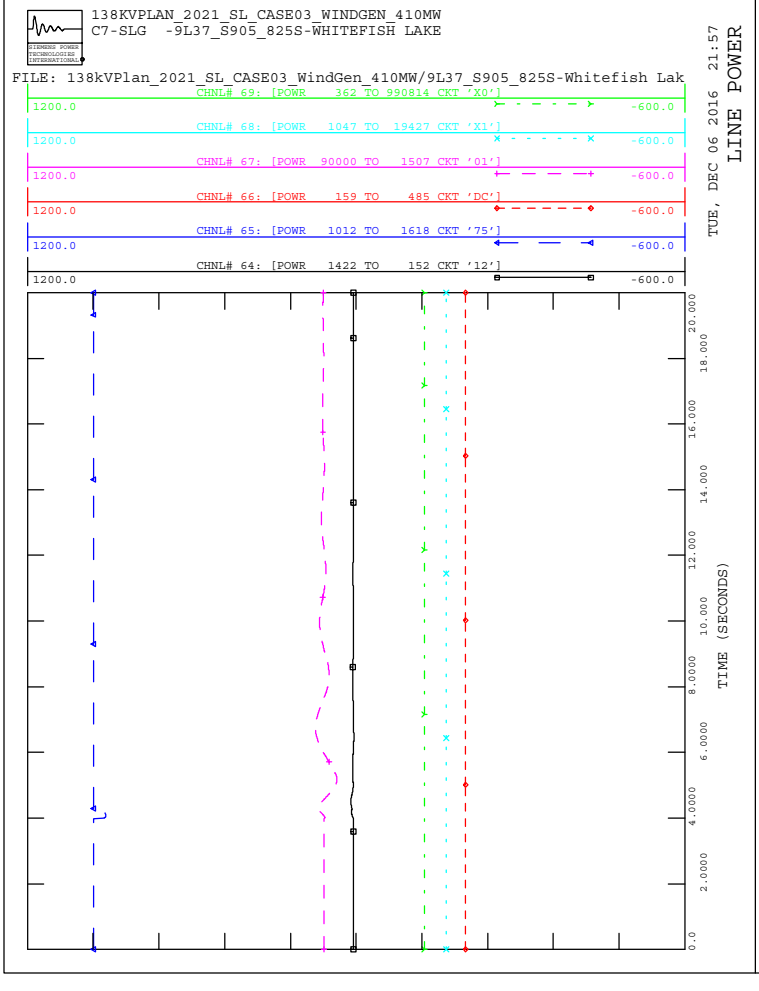
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S905_825S-Whitefish Lak
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
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2.0000
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12.000
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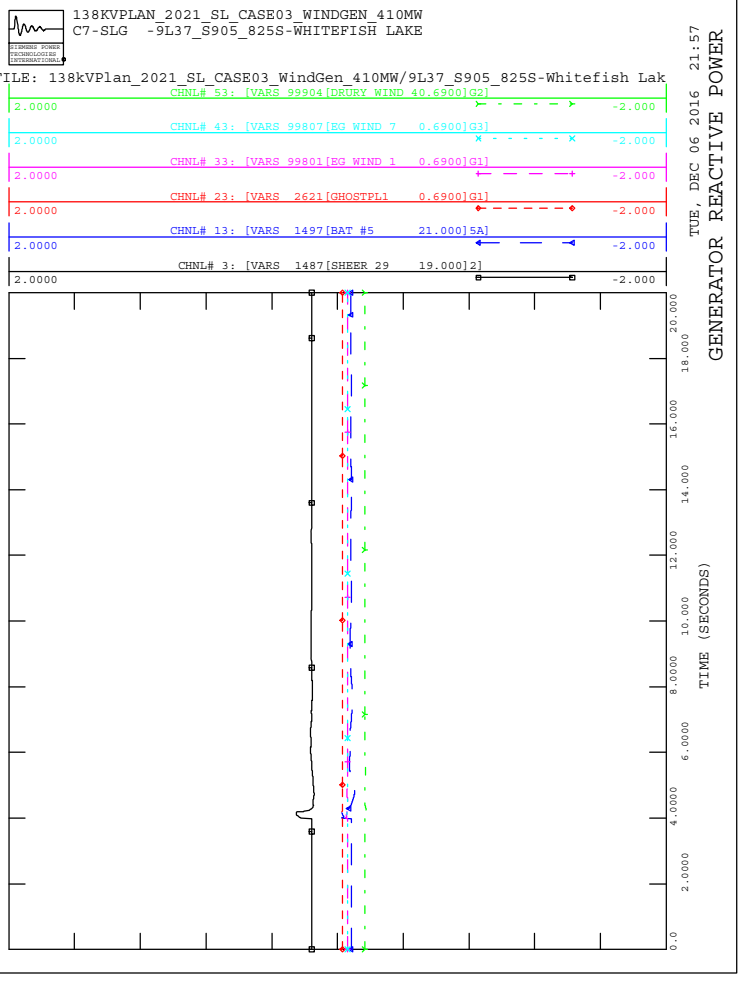
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S905_825S-Whitefish Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)
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16.000
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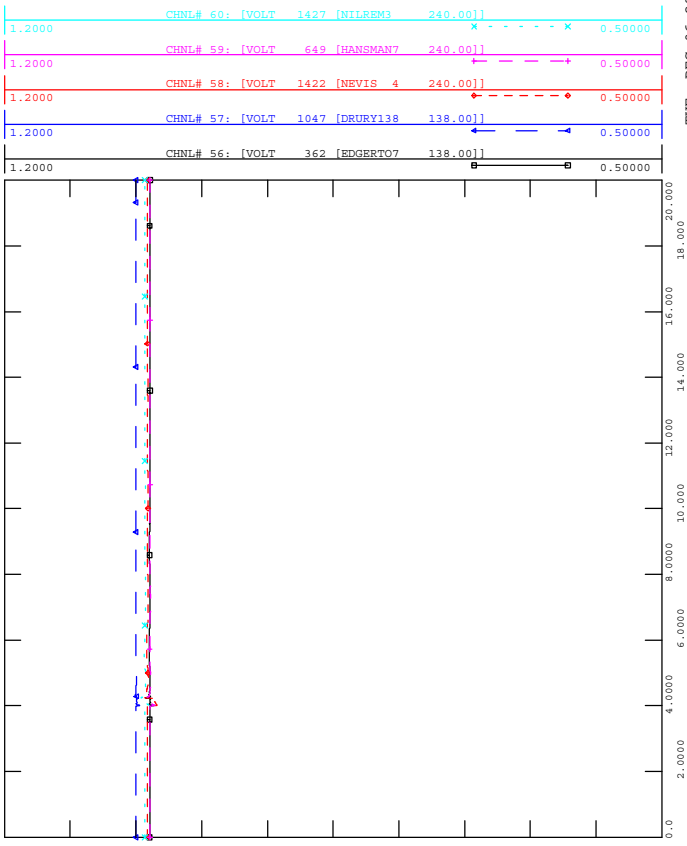
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S903_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

BUS VOLTAGE

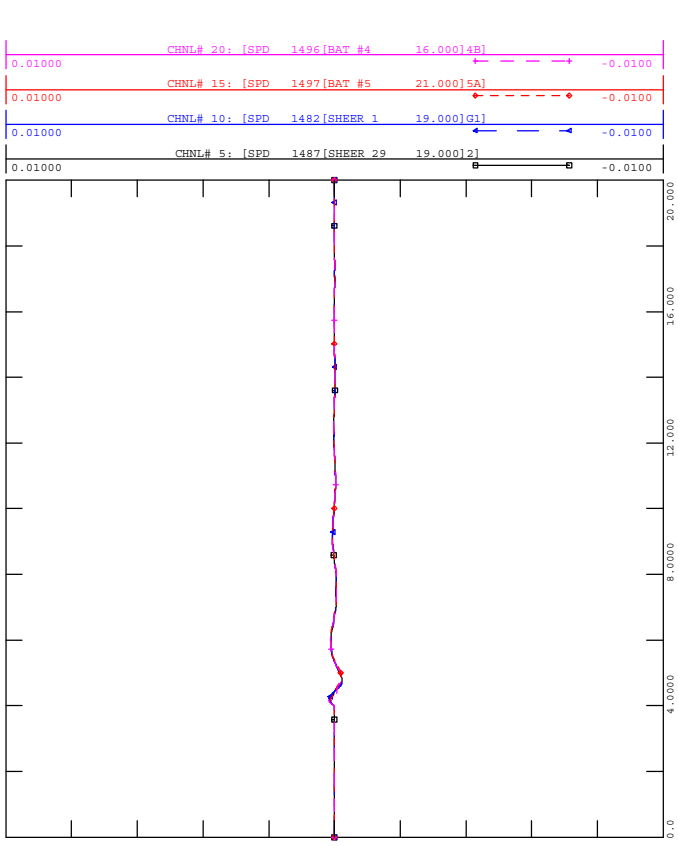


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S903_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

MACHINE SPEED

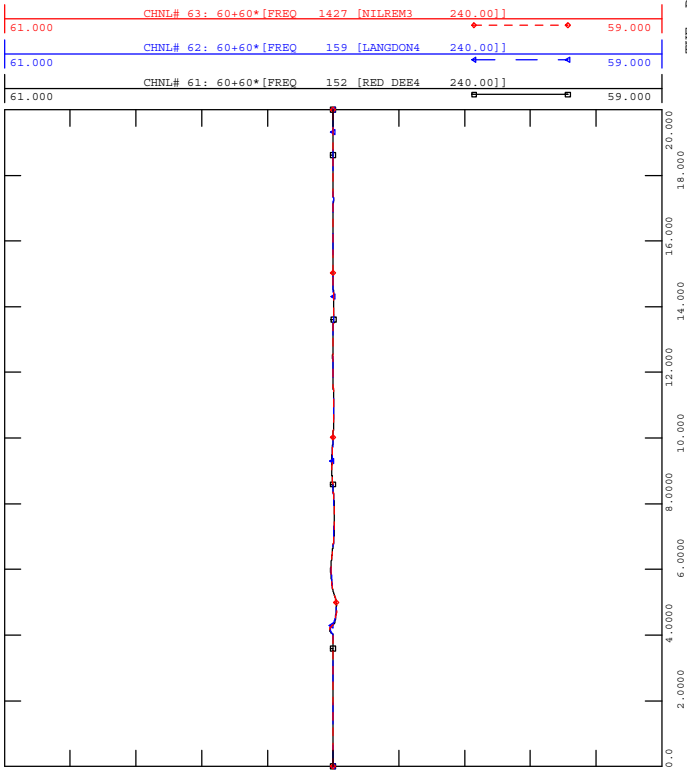


138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S903_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

FREQUENCY

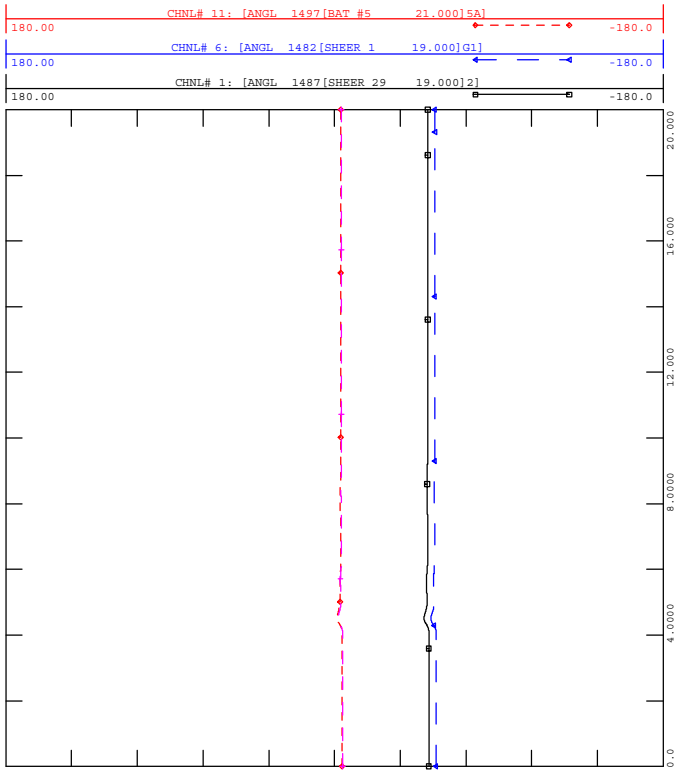


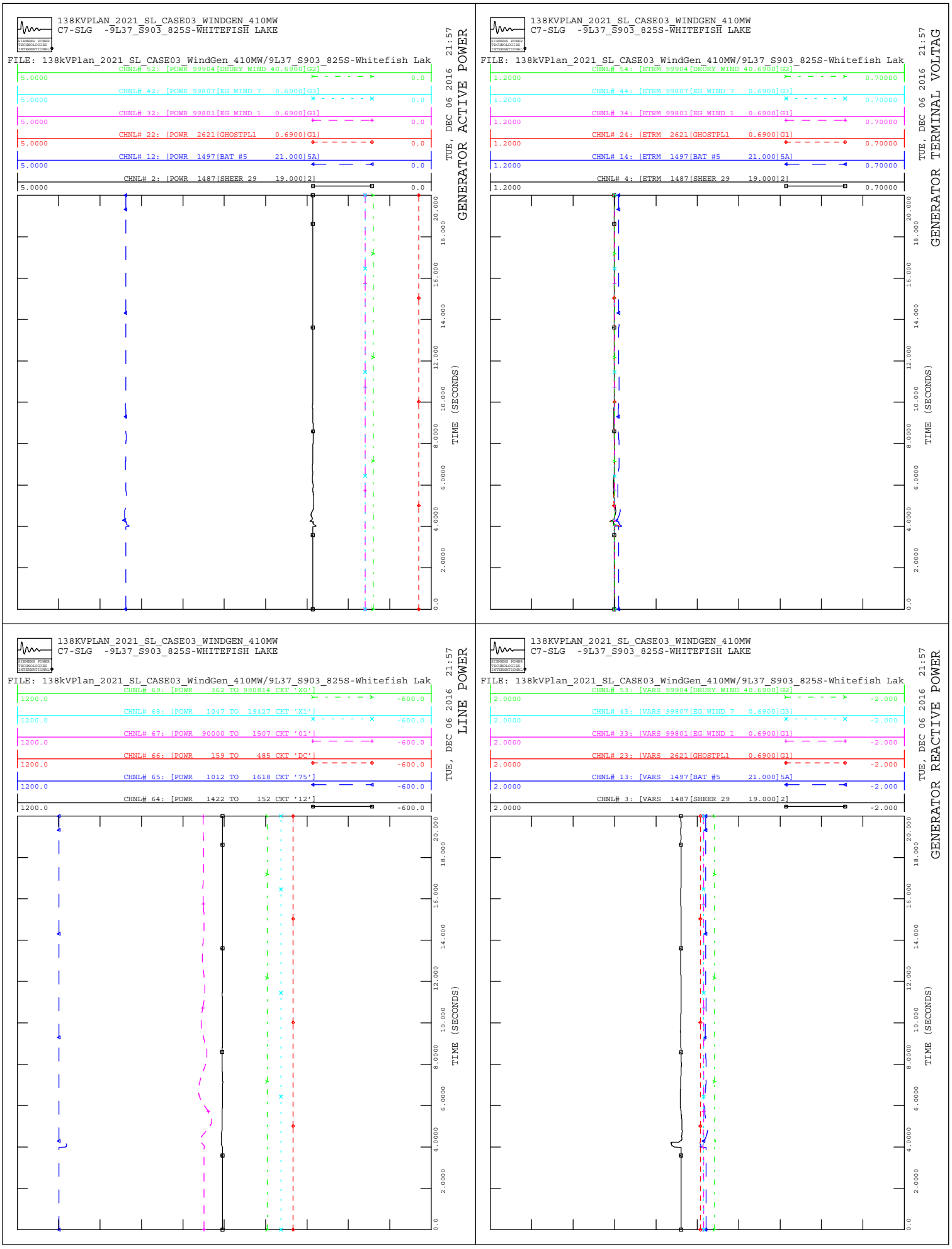
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S903_825S-Whitefish Lak

TUE, DEC 06 2016 21:57

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S903_825S-Whitefish Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR ACTIVE POWER
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S903_825S-Whitefish Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S903_825S-Whitefish Lak
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:57
LINE POWER
TIME (SECONDS)
138KVPLAN_2021_SL_CASE03_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_SL_CASE03_WindGen_410MW/9L37_S903_825S-Whitefish Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:57
GENERATOR REACTIVE POWER
TIME (SECONDS)

Transient Stability Analysis Plots

Alternative 1-138 kV Plan

2021 Winter Peak

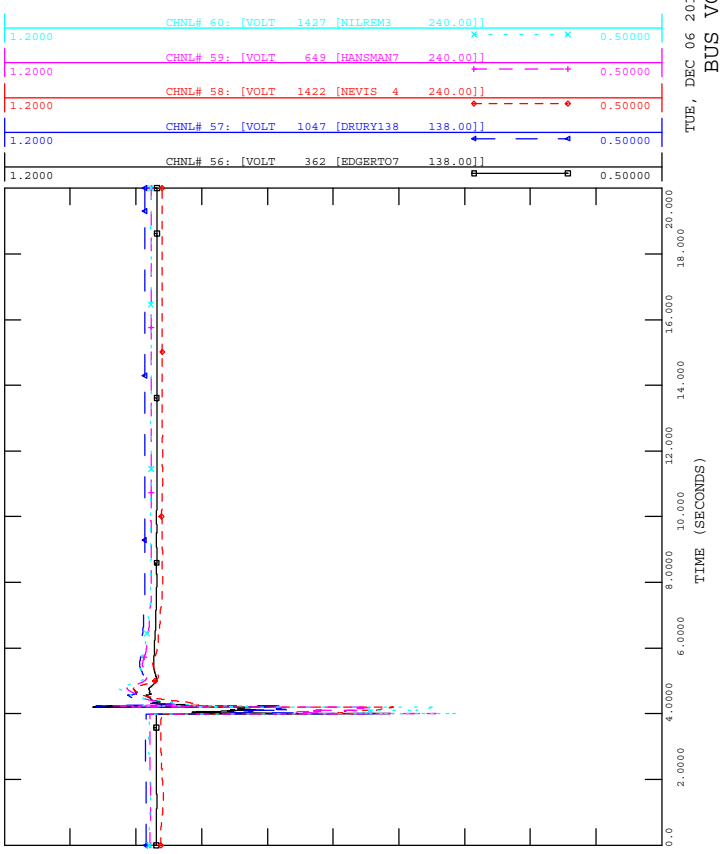
Category C7 (Single-line-to-ground Fault)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S904_755S-Cordel.out

TUE, DEC 06 2016 21:58

BUS VOLTAGE



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL

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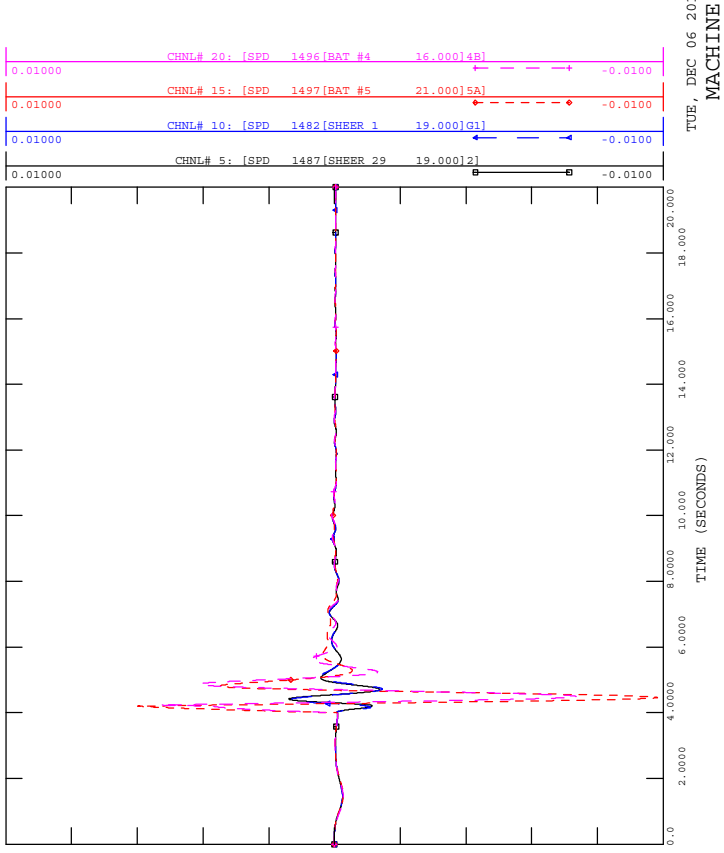
TUE, DEC 06 2016 21:58

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S904_755S-Cordel.out

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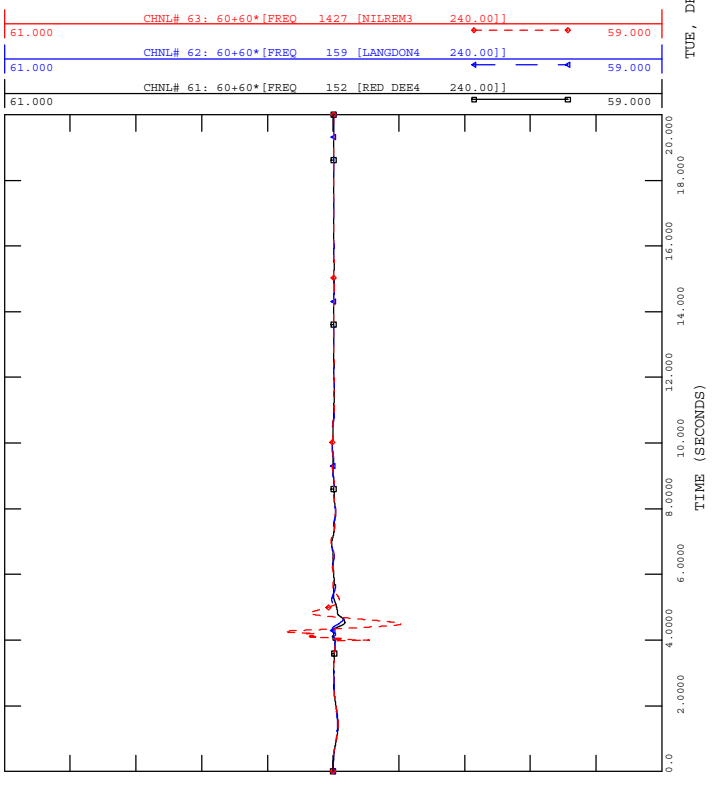
FREQUENCY

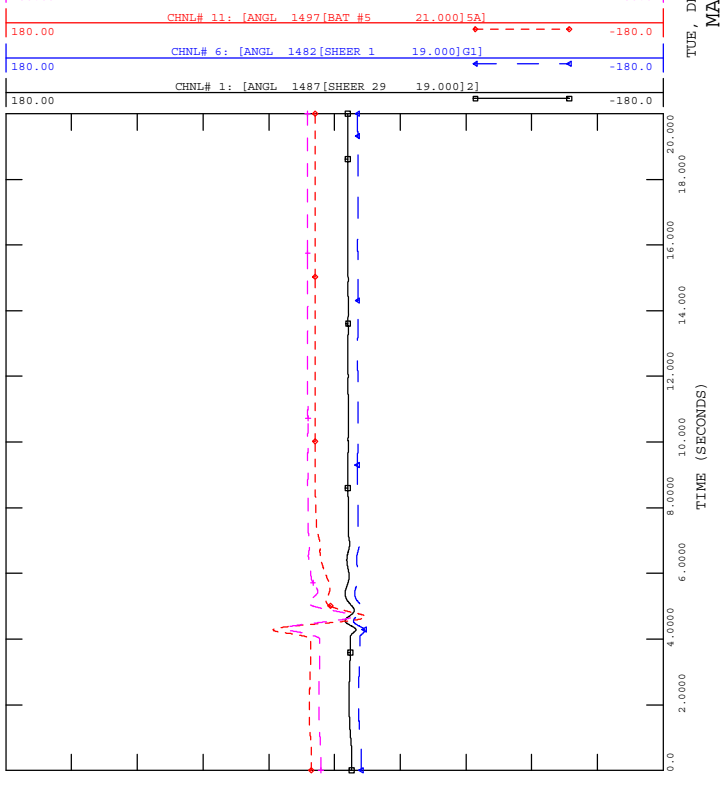


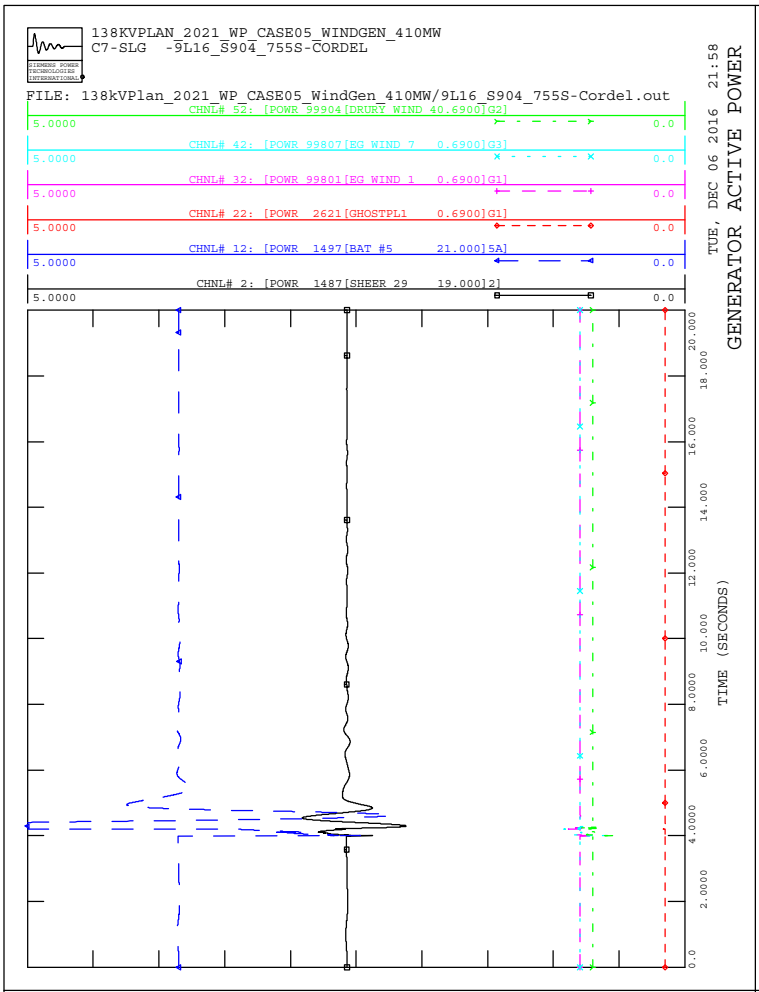
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S904_755S-Cordel.out

TUE, DEC 06 2016 21:58

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S904_755S-Cordel.out
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CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:58
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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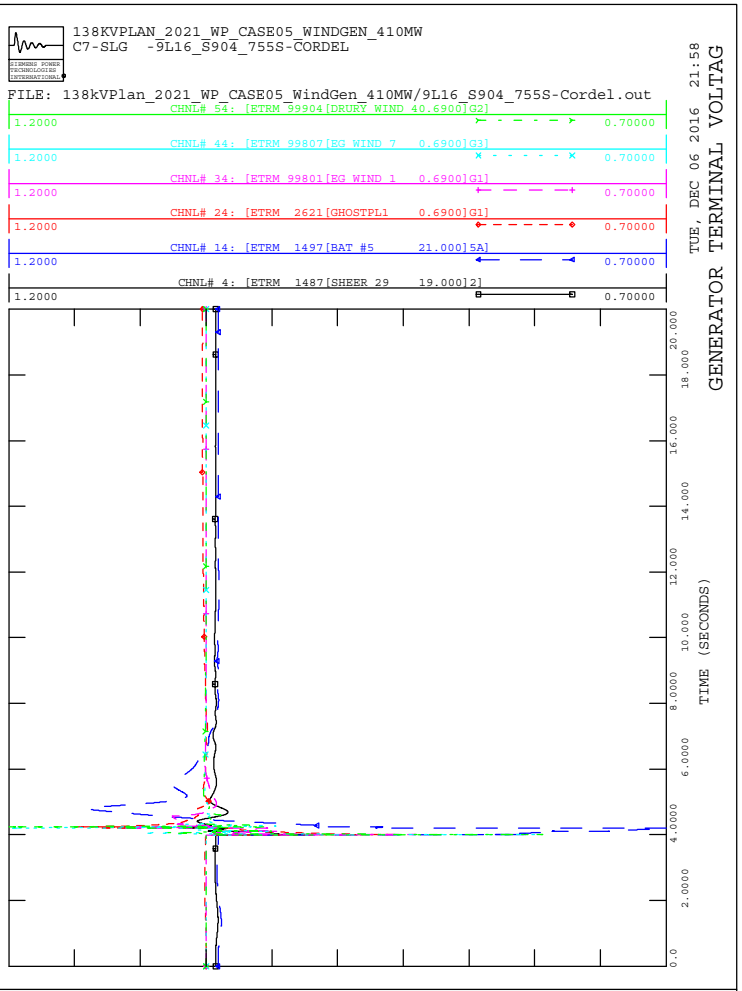
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S904_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:58
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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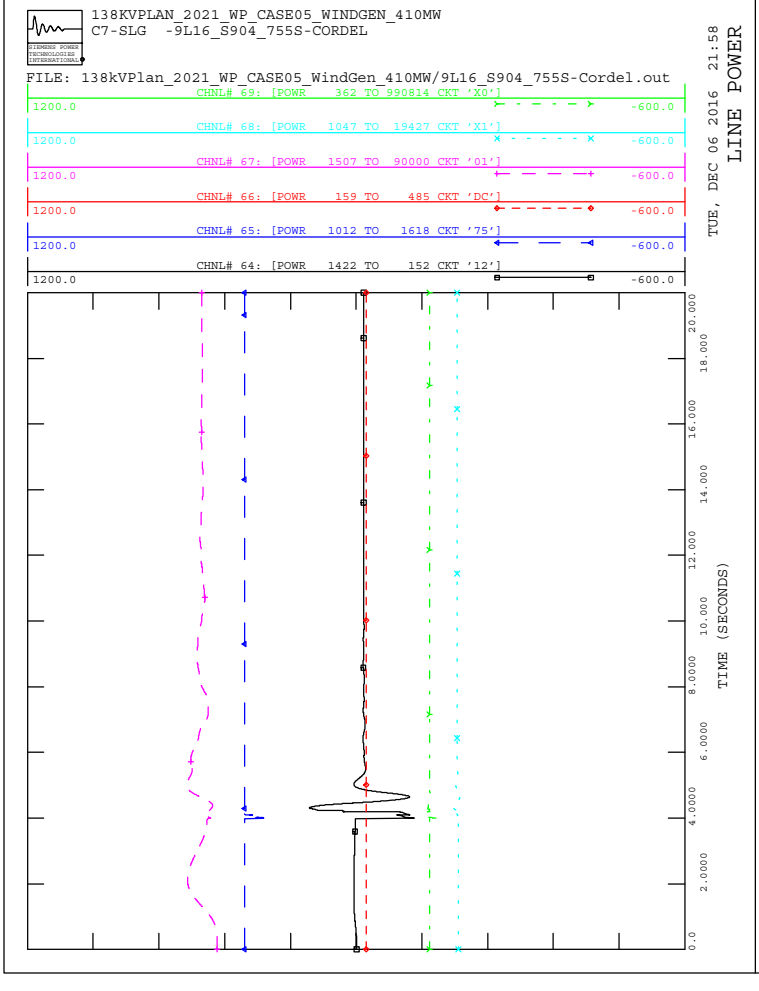
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S904_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S904_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:58
LINE POWER
TIME (SECONDS)
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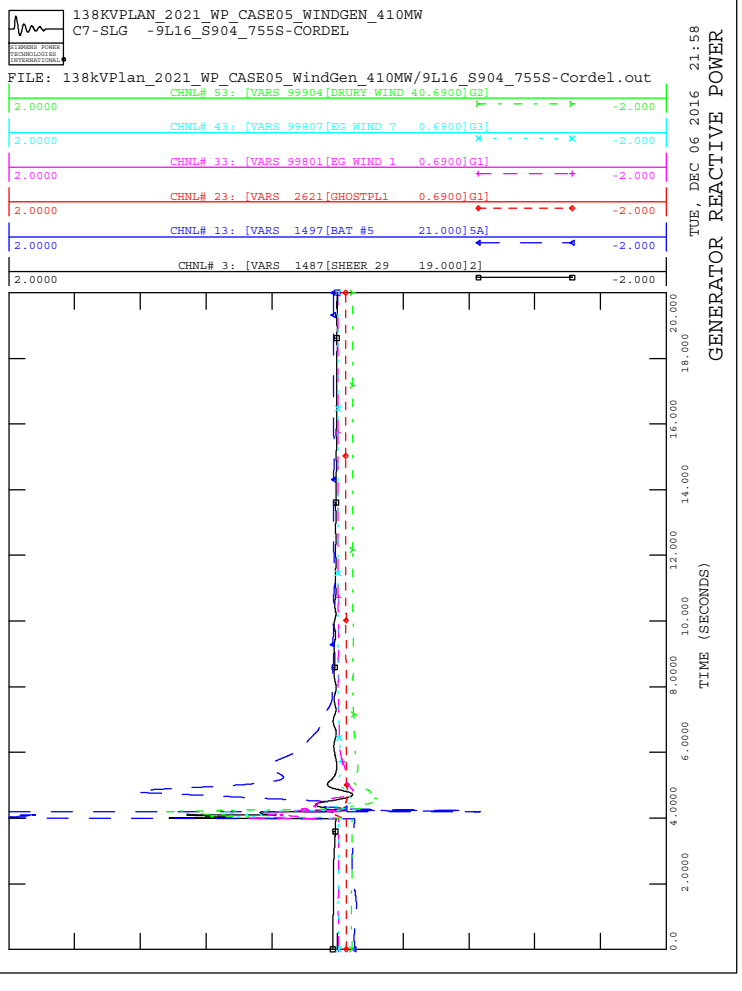
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C7-SLG -9L16_S904_755S-CORDEL
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CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:58
GENERATOR REACTIVE POWER
TIME (SECONDS)
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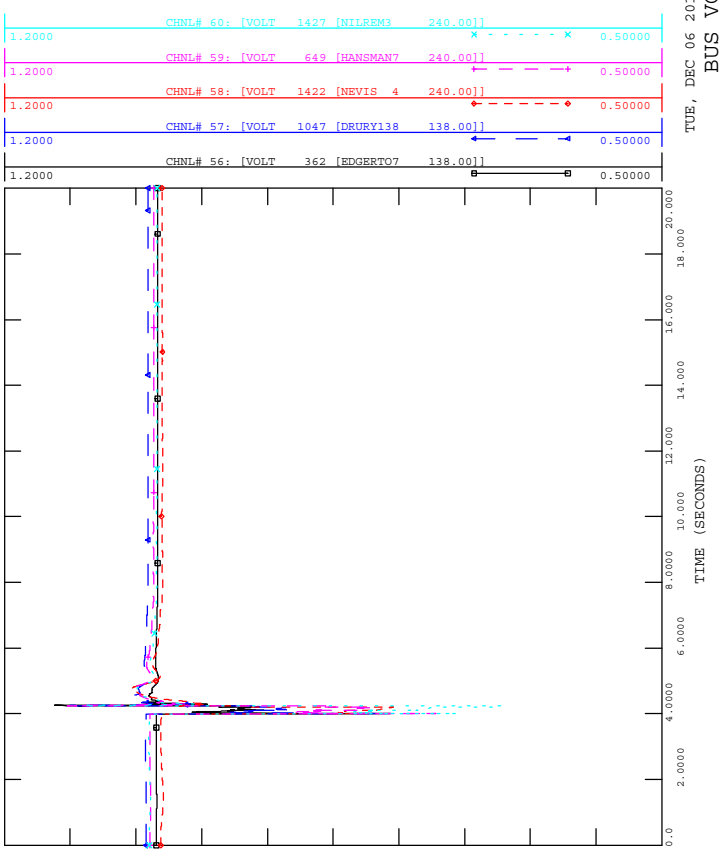
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S905_755S-Cordel.out

TUE, DEC 06 2016 21:58

BUS VOLTAGE

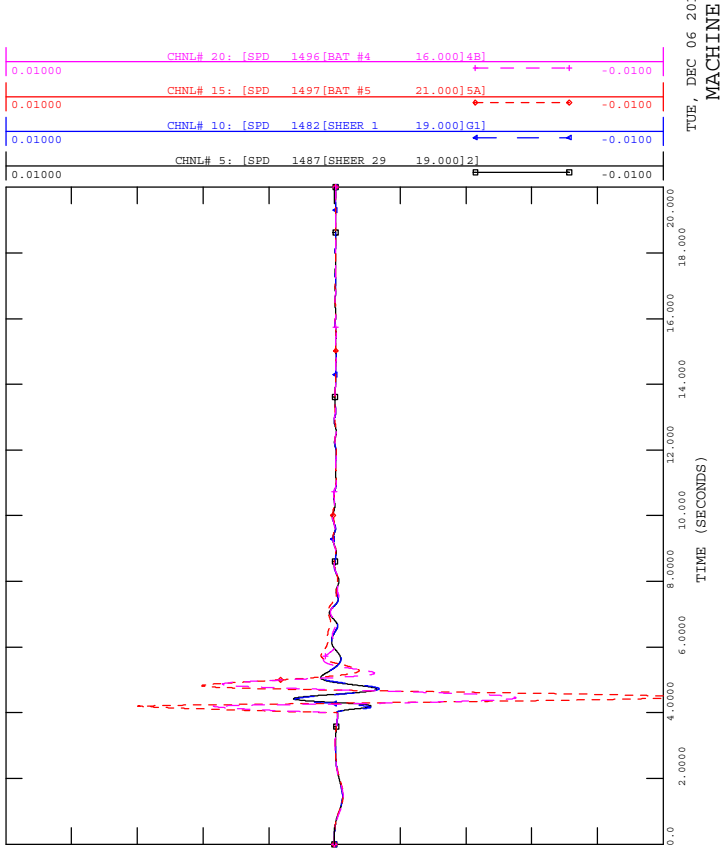


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S905_755S-Cordel.out

TUE, DEC 06 2016 21:58

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S905_755S-Cordel.out

TUE, DEC 06 2016 21:58

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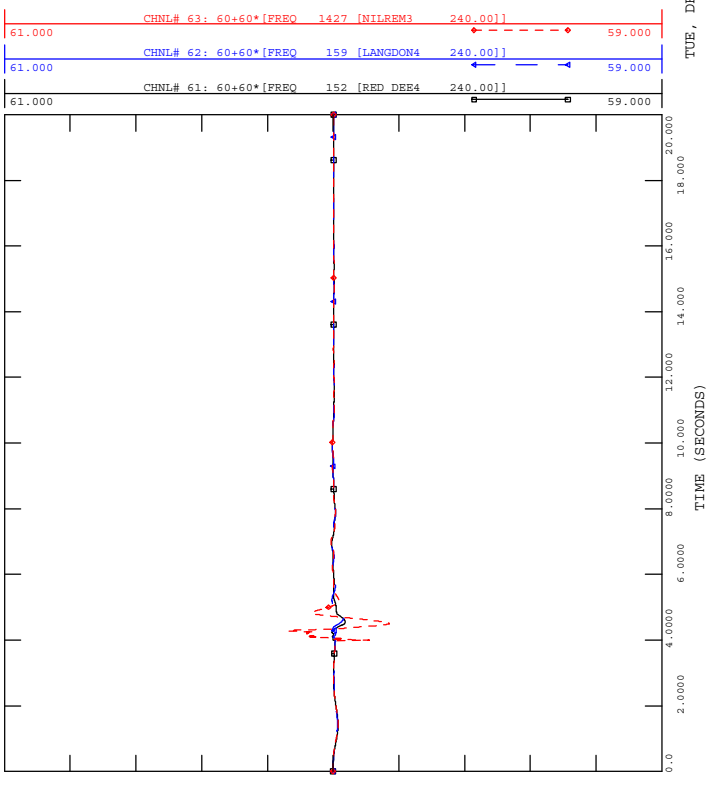
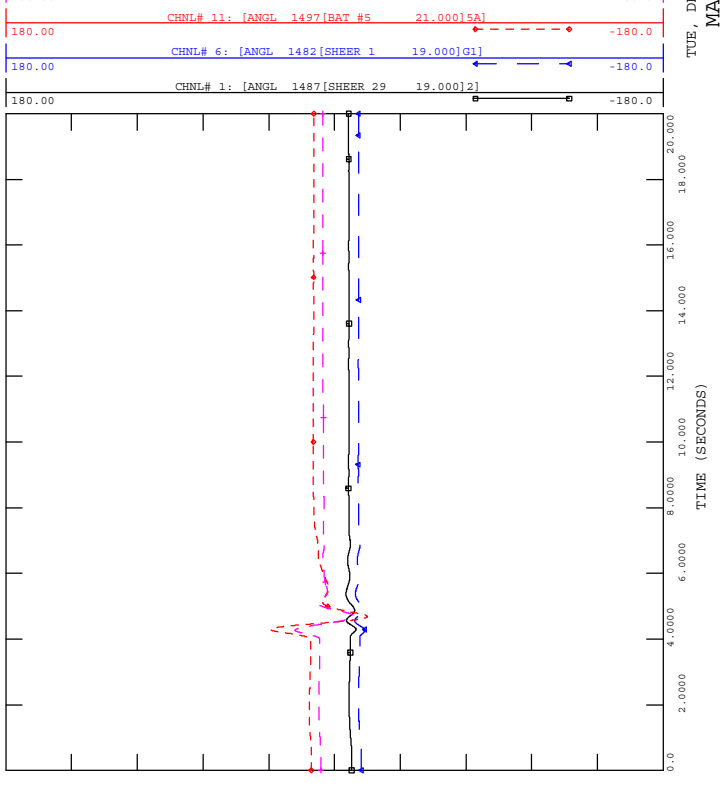


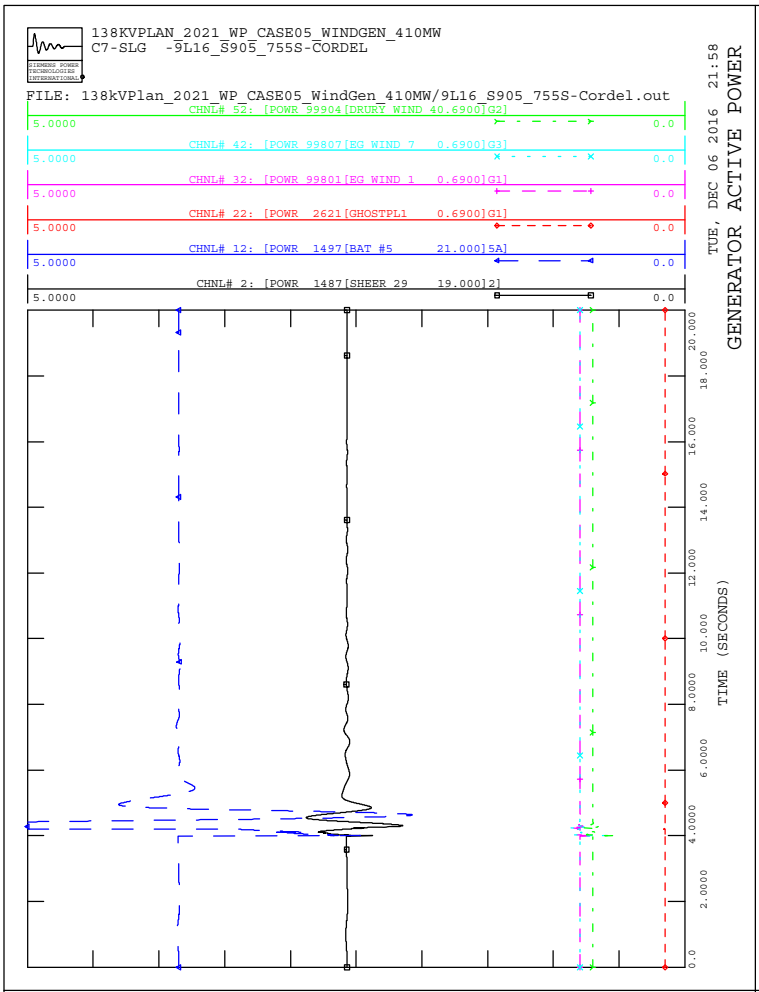
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL

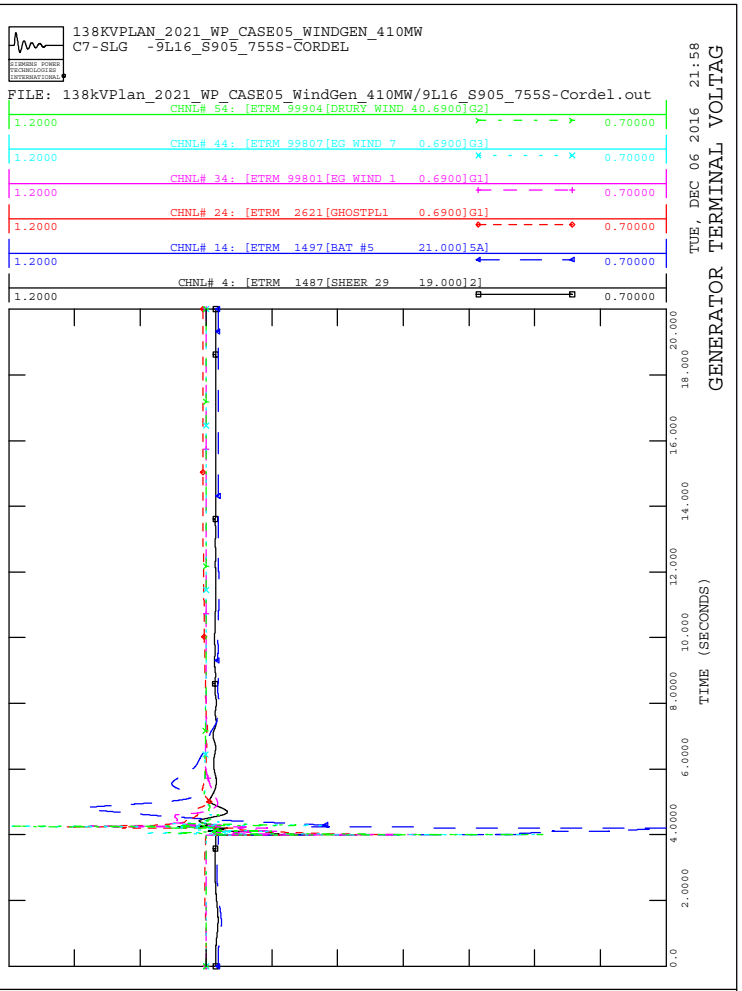
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S905_755S-Cordel.out

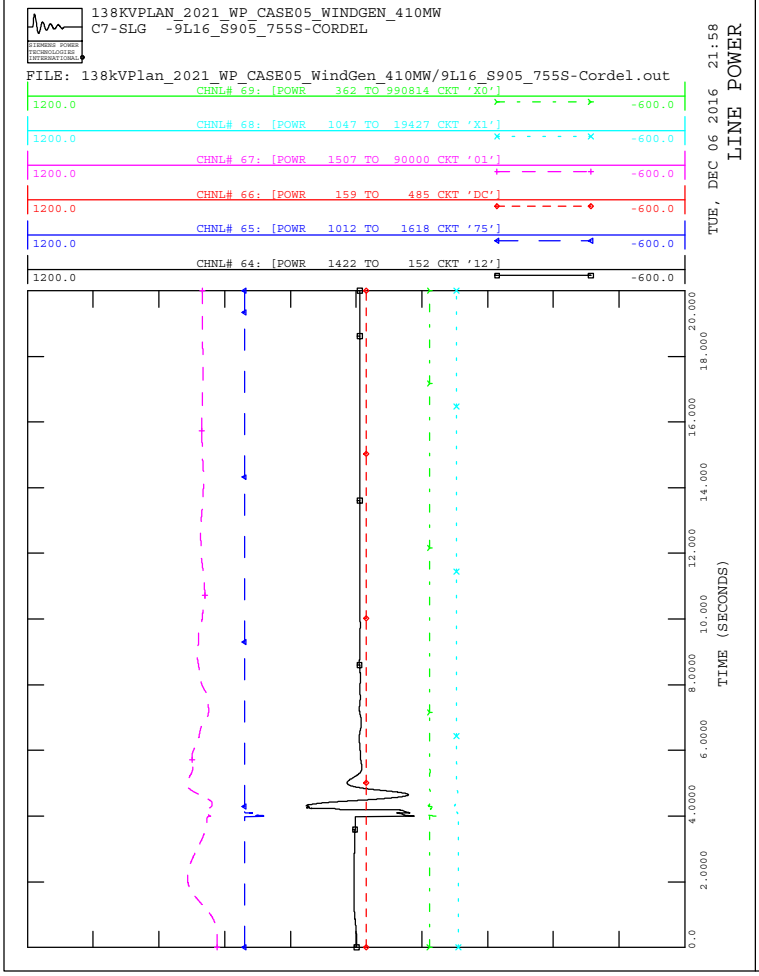
TUE, DEC 06 2016 21:58

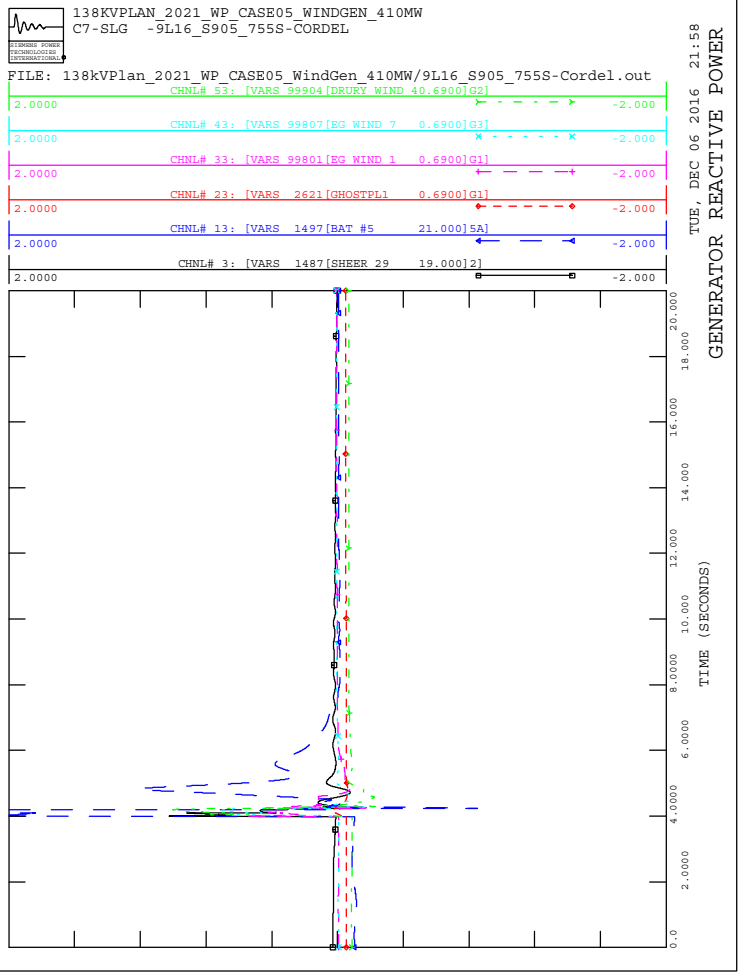
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S905_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:58
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S905_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:58
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S905_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:58
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

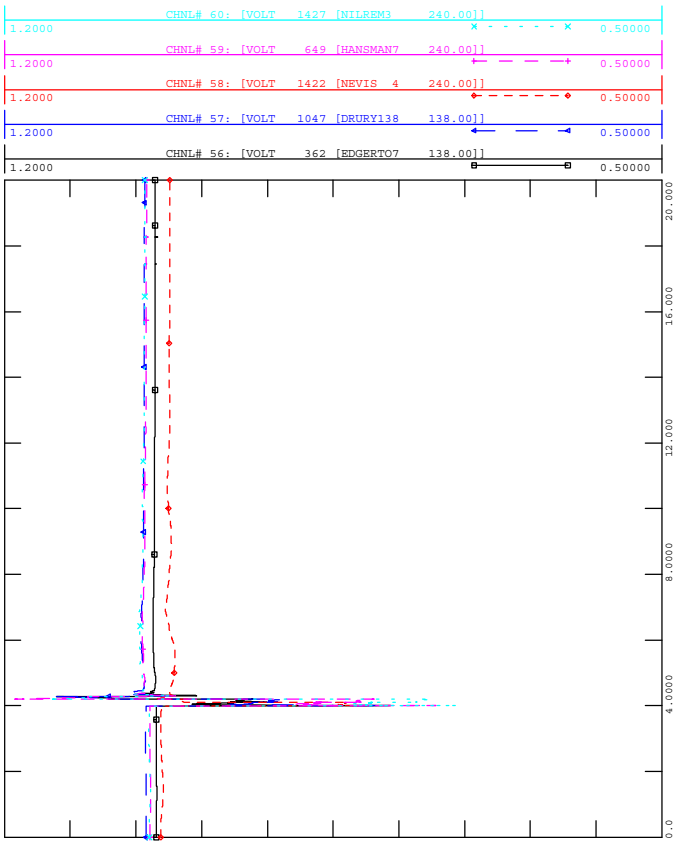

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L16_S905_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L16_S905_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:58
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_755S-Cordel.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

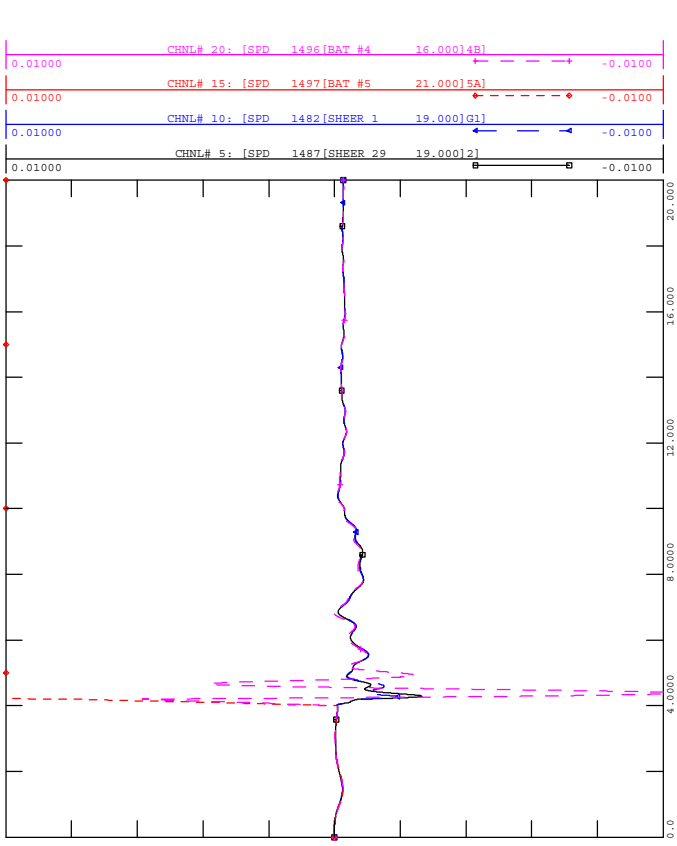


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_755S-Cordel.out

TUE, DEC 06 2016 21:59

MACHINE SPEED

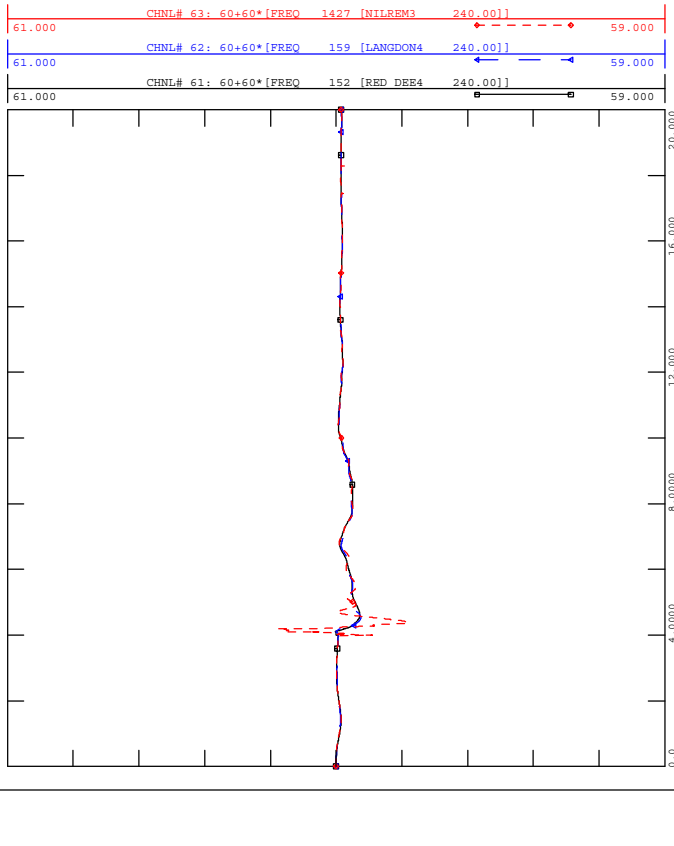


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_755S-Cordel.out

TUE, DEC 06 2016 21:58

FREQUENCY

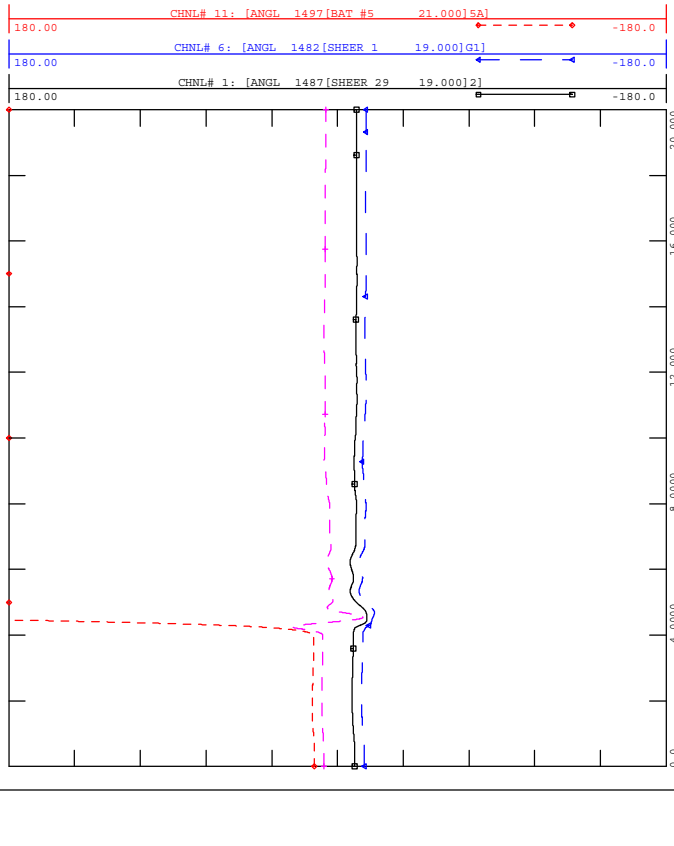


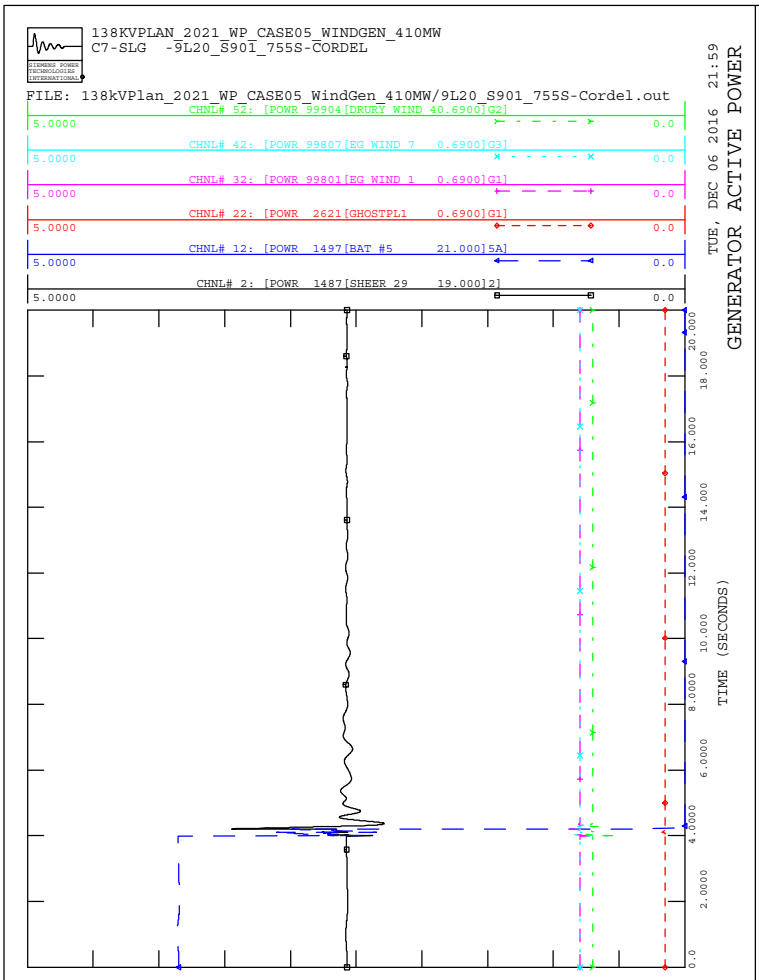
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL

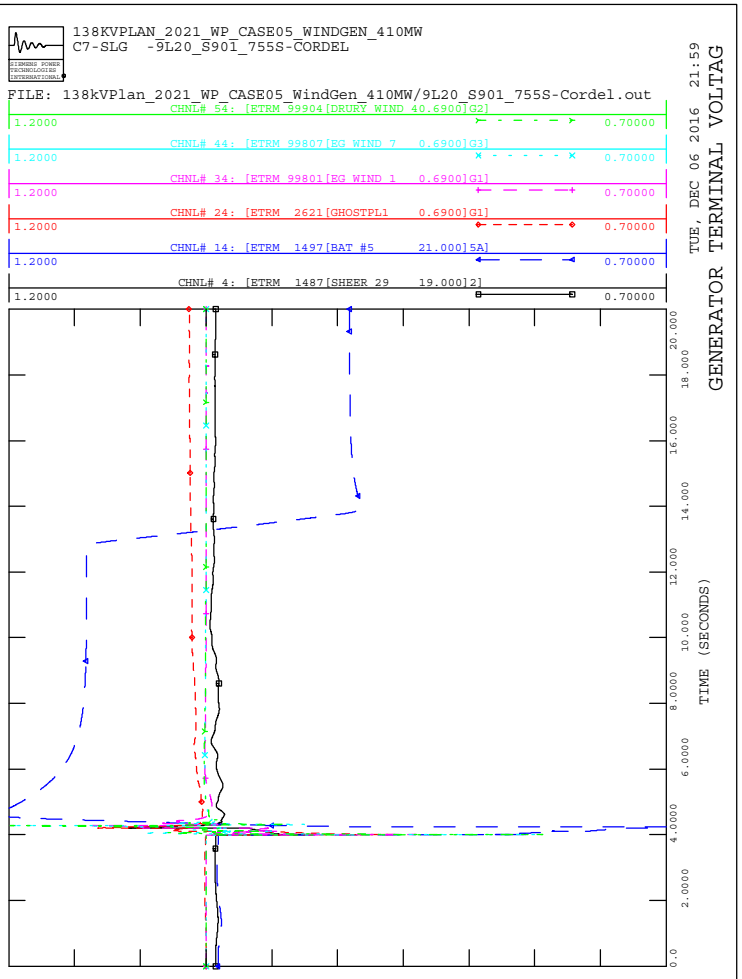
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_755S-Cordel.out

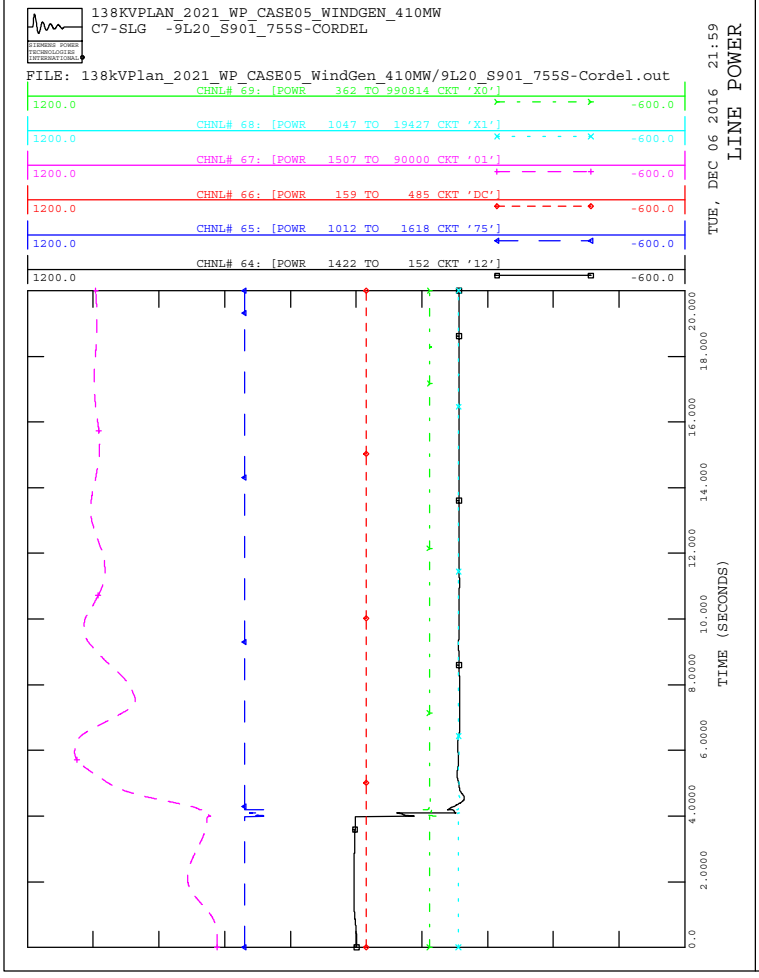
TUE, DEC 06 2016 21:59

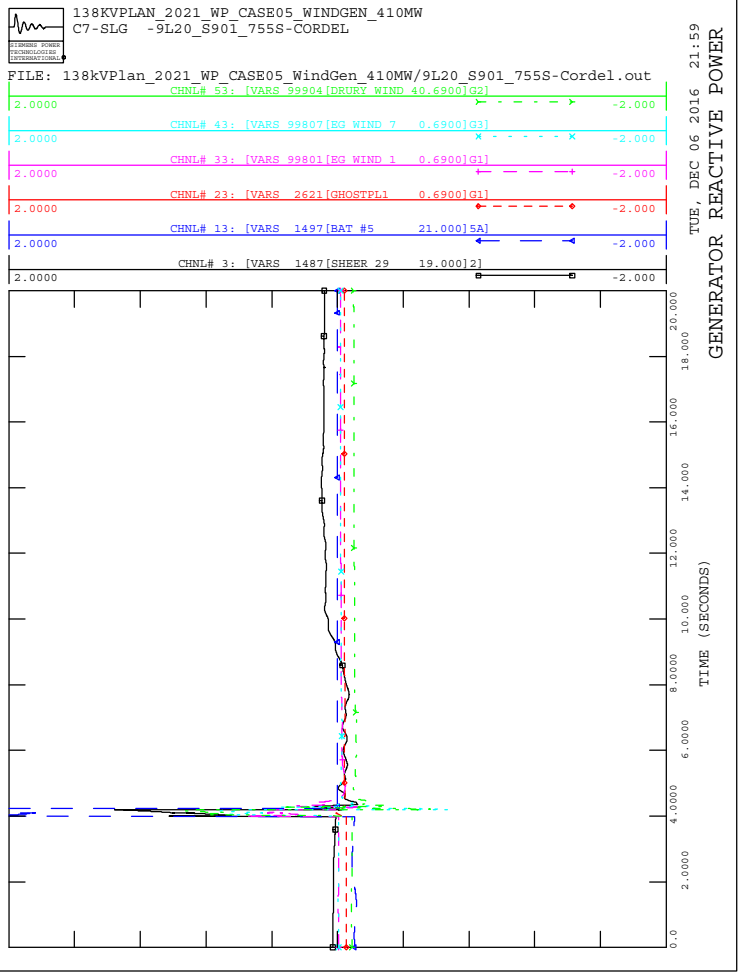
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

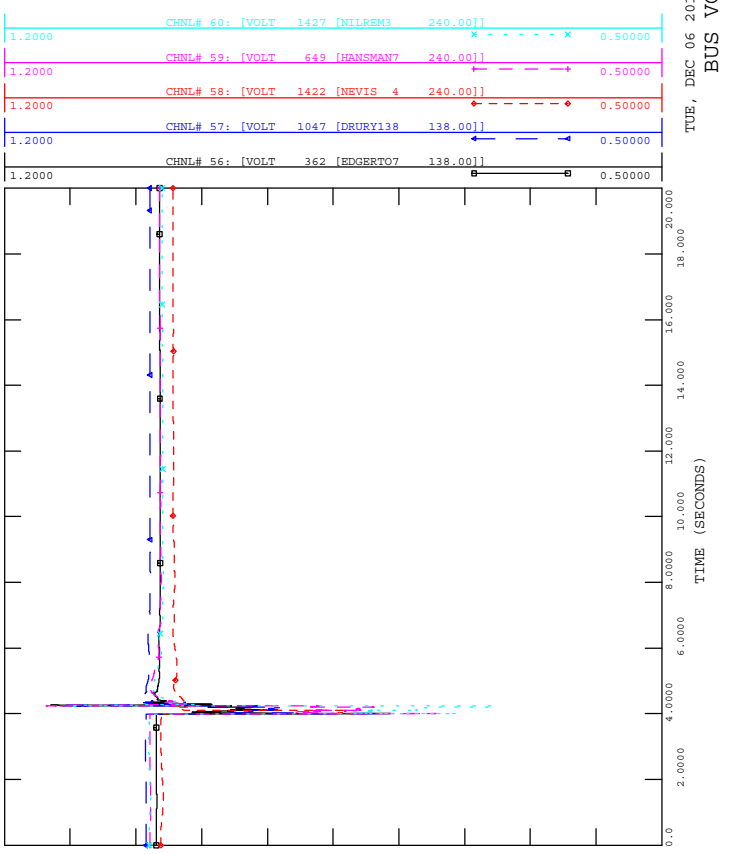

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S901_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S906_755S-Cordel.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

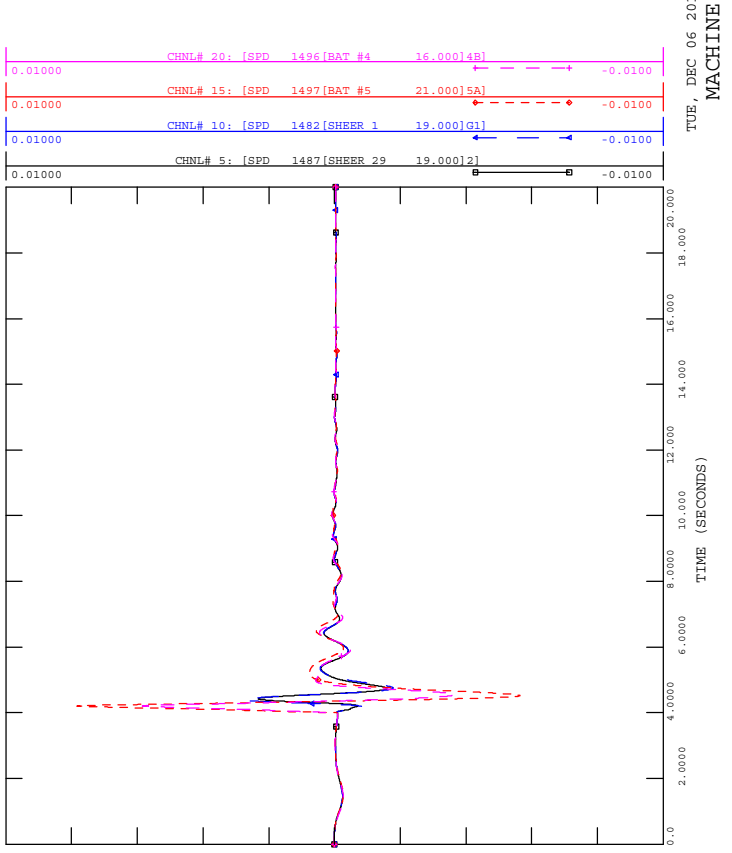


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S906_755S-Cordel.out

TUE, DEC 06 2016 21:59

MACHINE SPEED

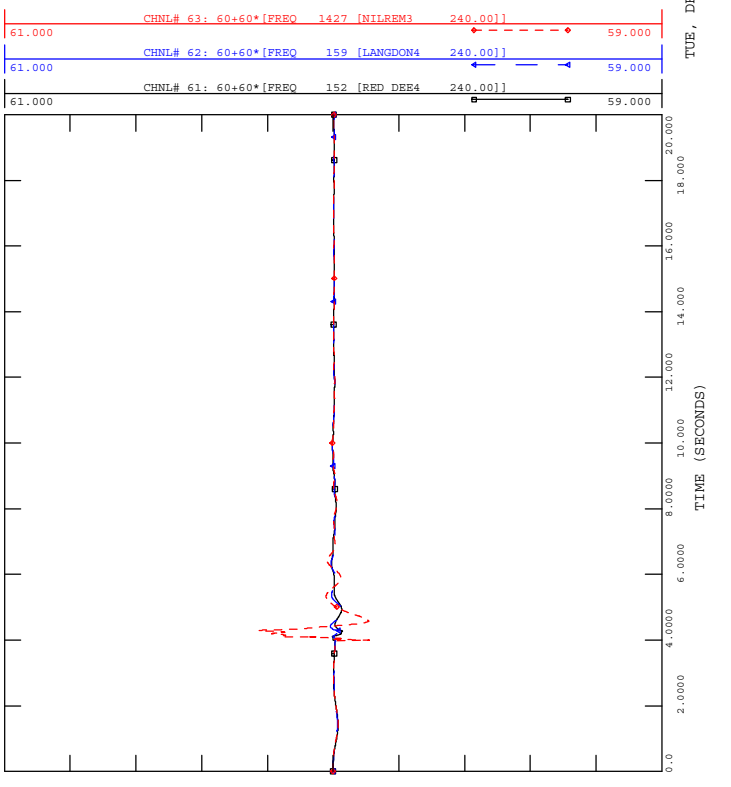


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S906_755S-Cordel.out

TUE, DEC 06 2016 21:59

FREQUENCY

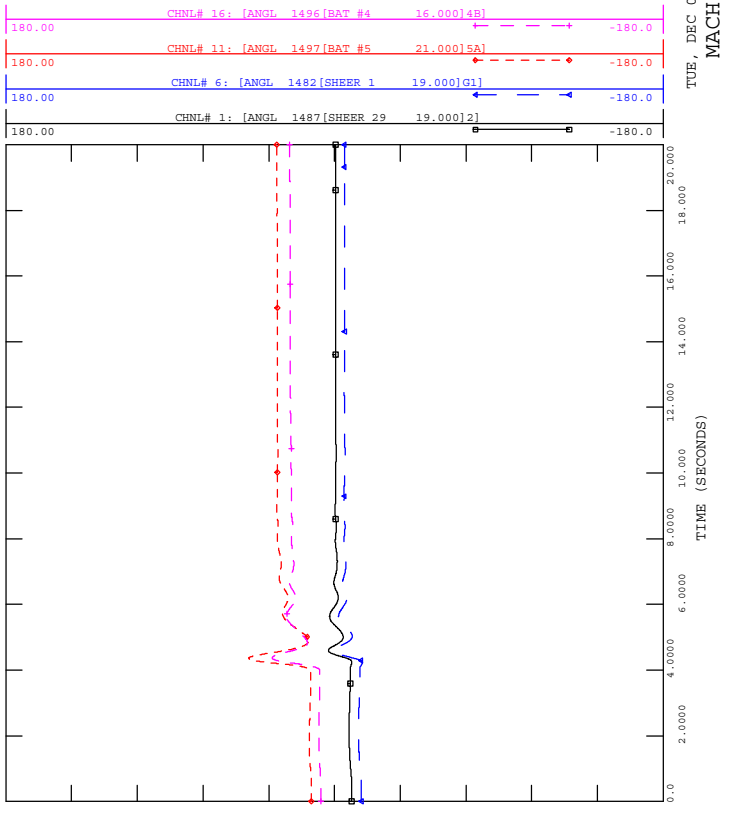


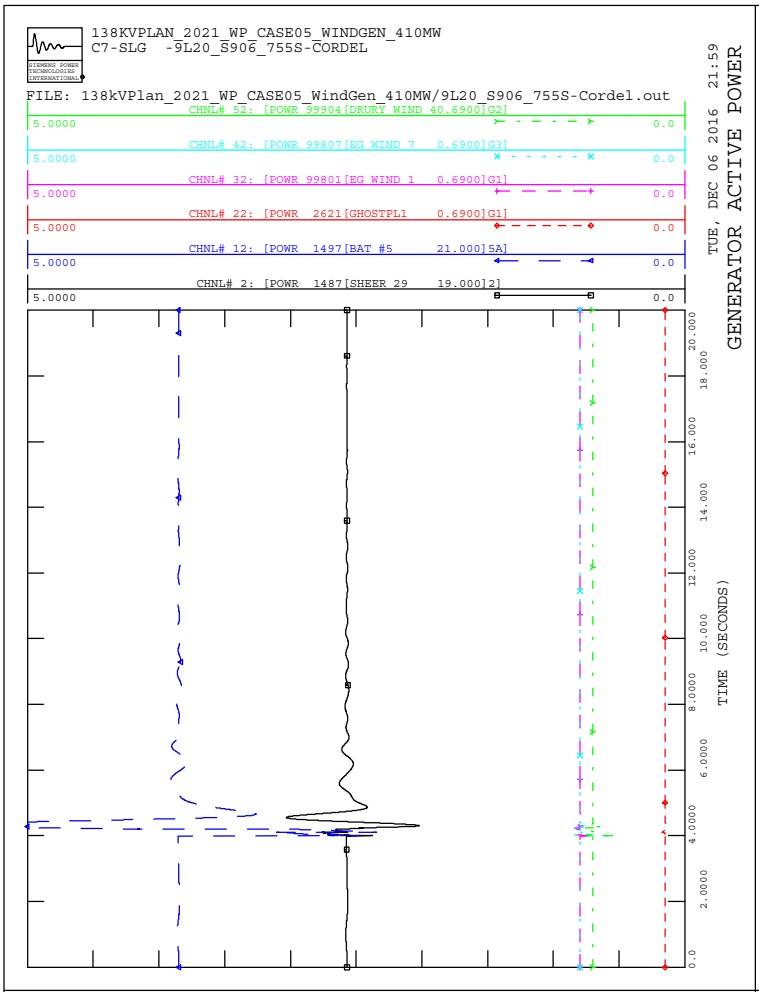
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL

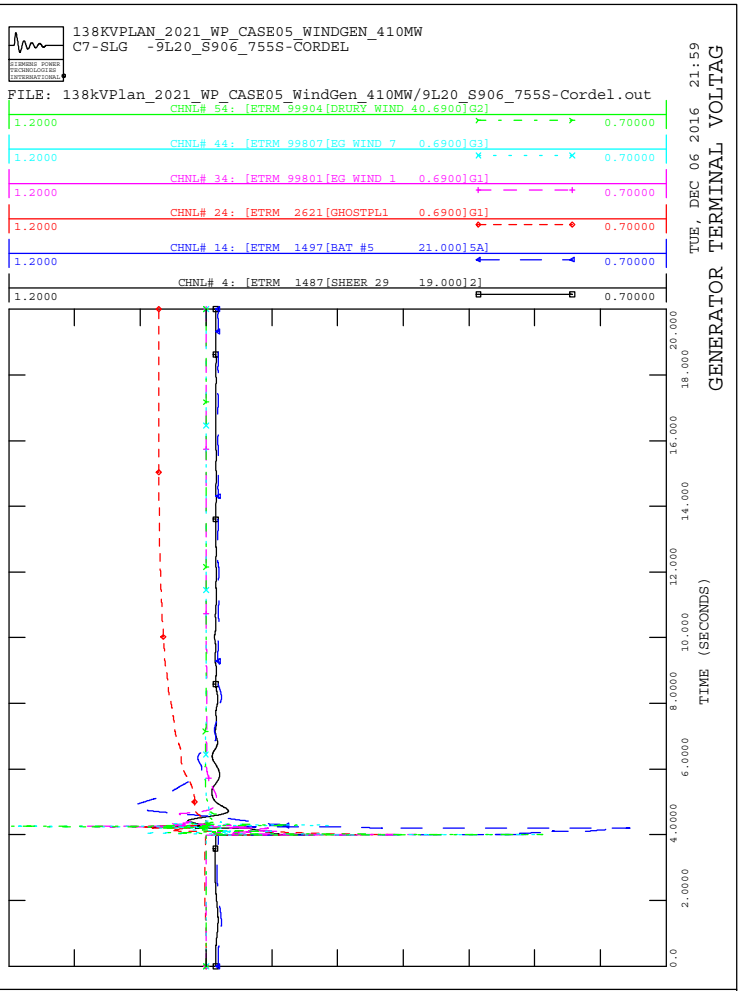
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S906_755S-Cordel.out

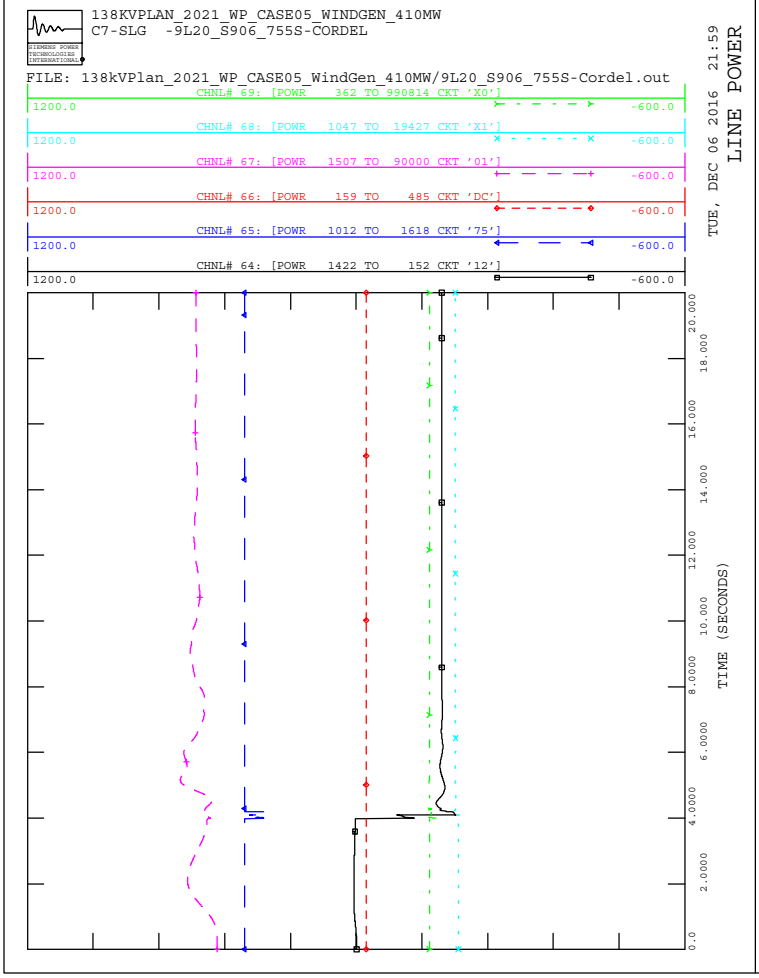
TUE, DEC 06 2016 21:59

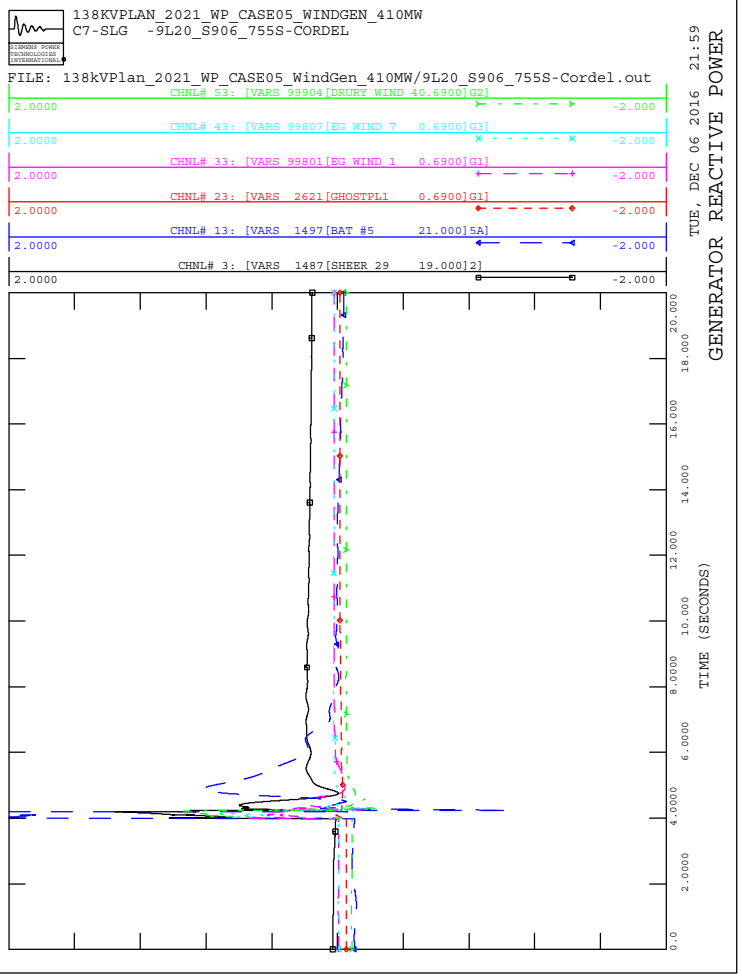
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S906_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S906_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S906_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S906_755S-CORDEL
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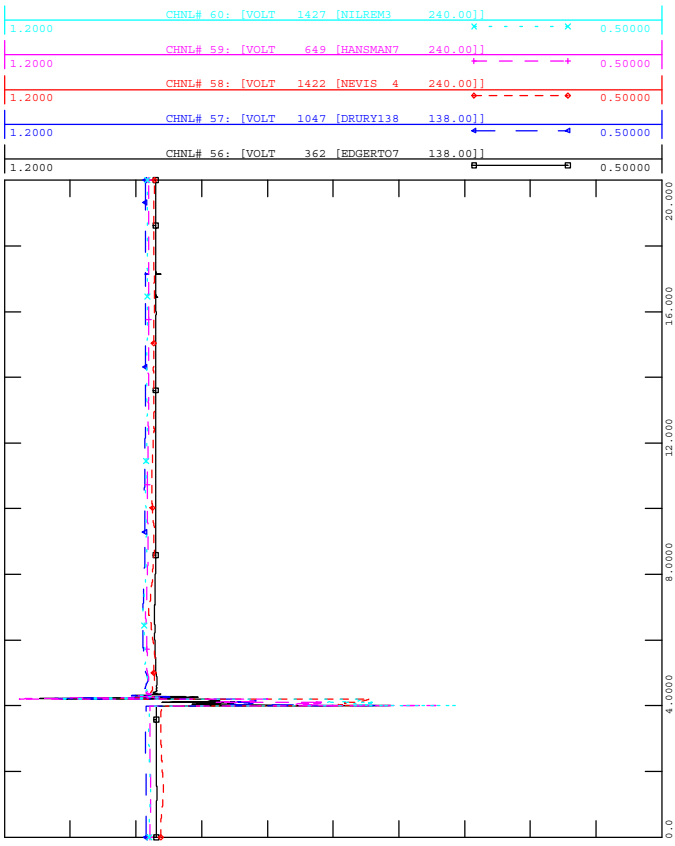
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_S902_755S-Cordel.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

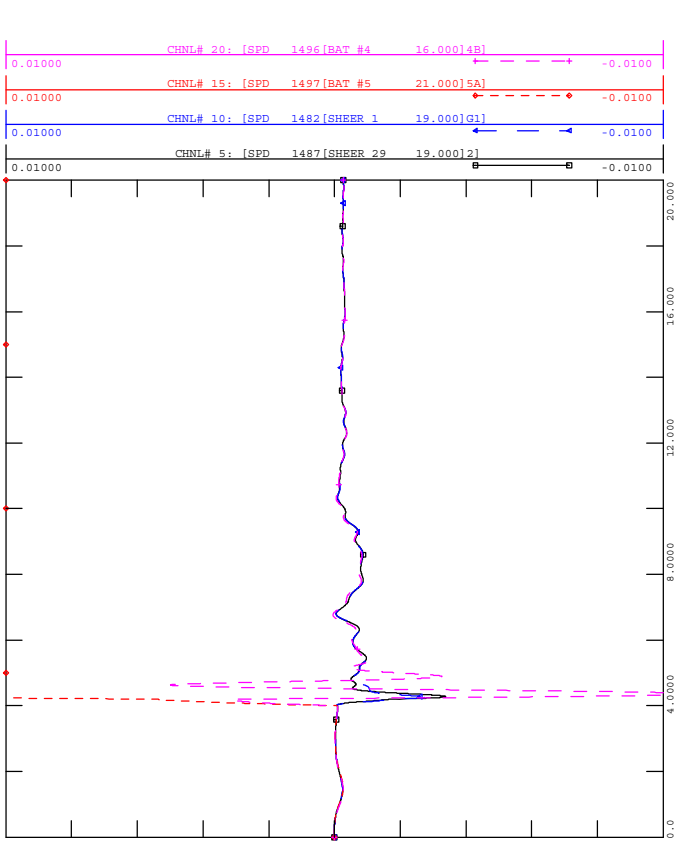


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_S902_755S-Cordel.out

TUE, DEC 06 2016 21:59

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L27_S902_755S-CORDEL

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TUE, DEC 06 2016 21:59

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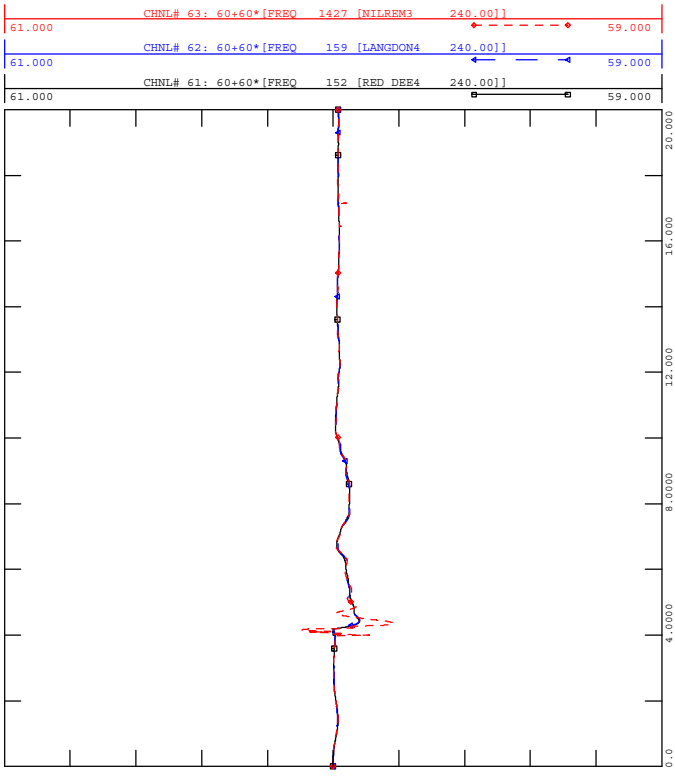

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L27_S902_755S-CORDEL

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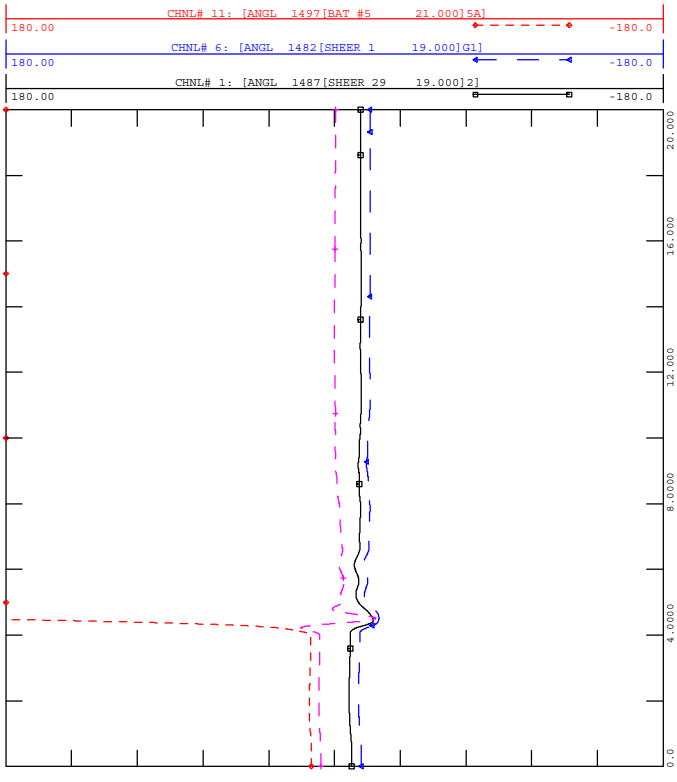
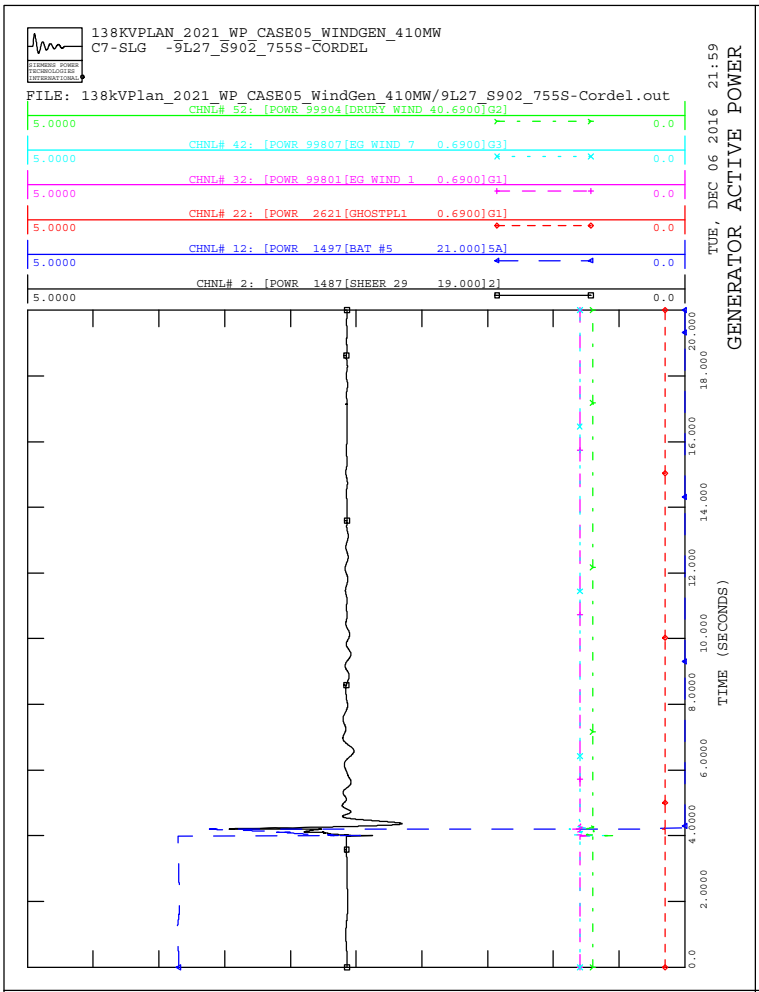
TUE, DEC 06 2016 21:59

MACHINE ANGLE

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C7-SLG -9L27_S902_755S-CORDEL
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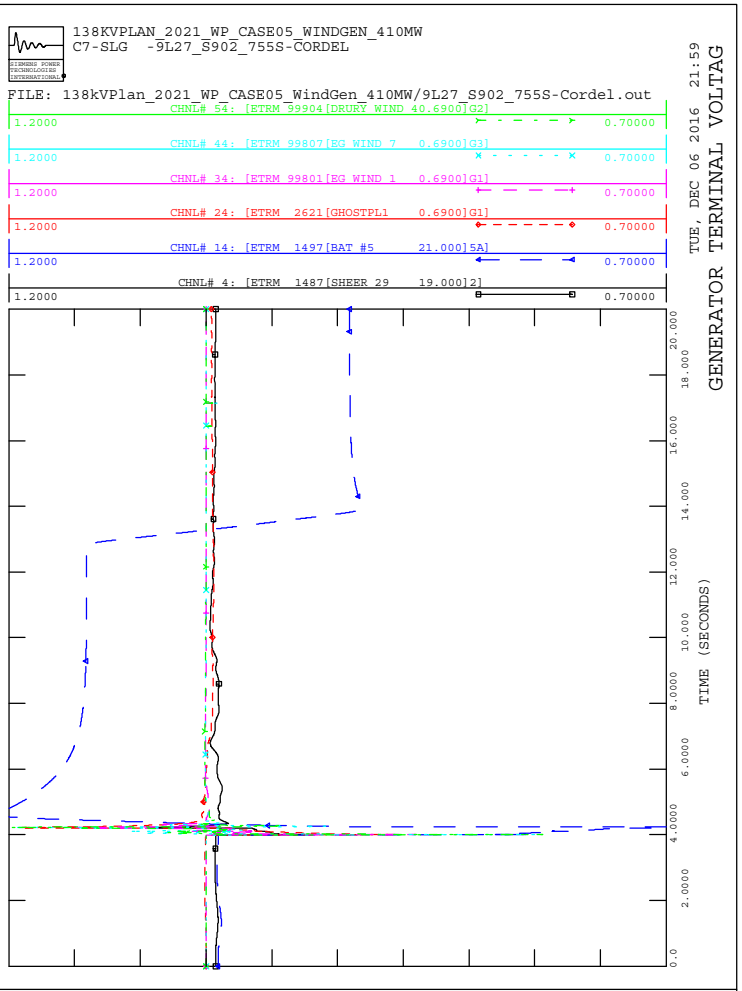
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L27_S902_755S-CORDEL
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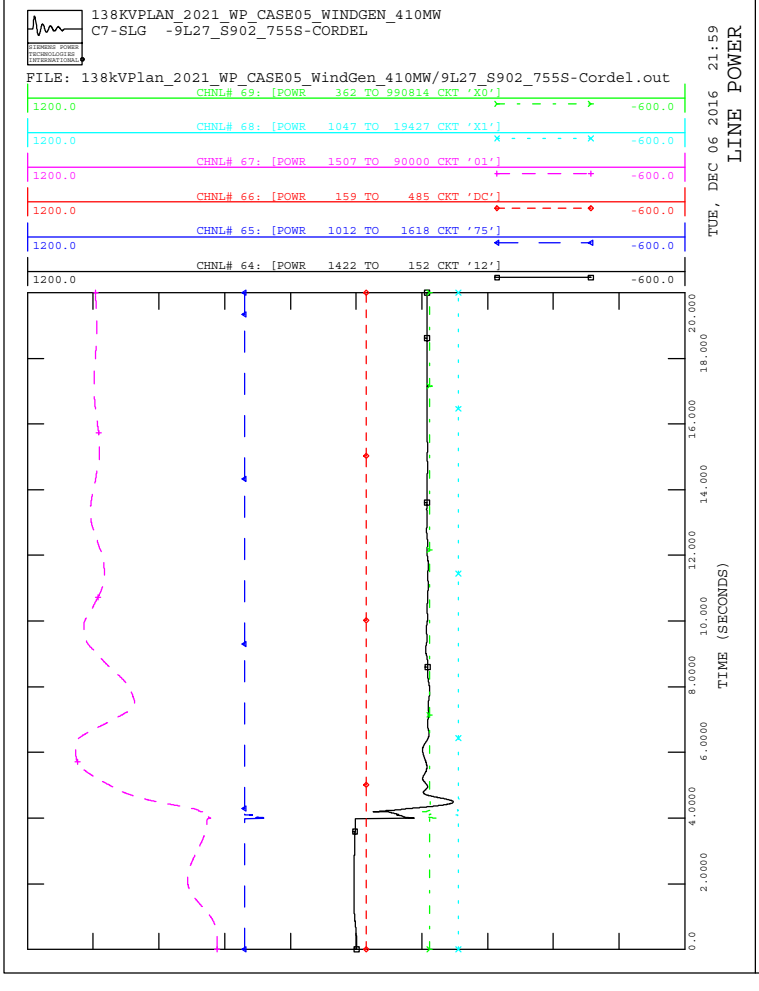
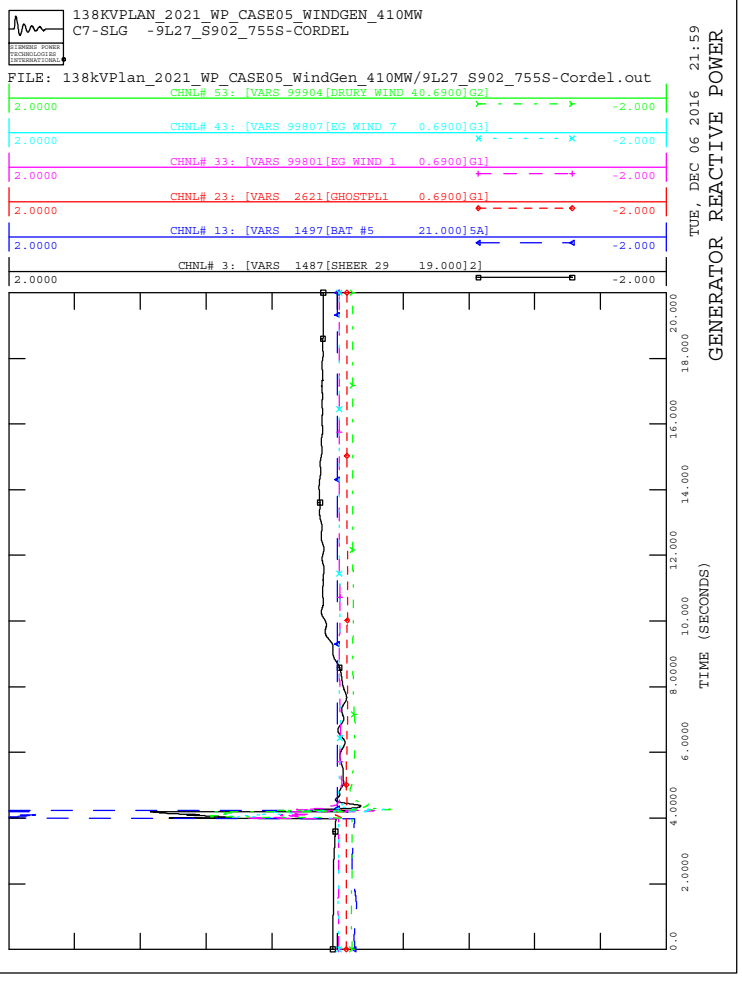
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L27_S902_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_S902_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

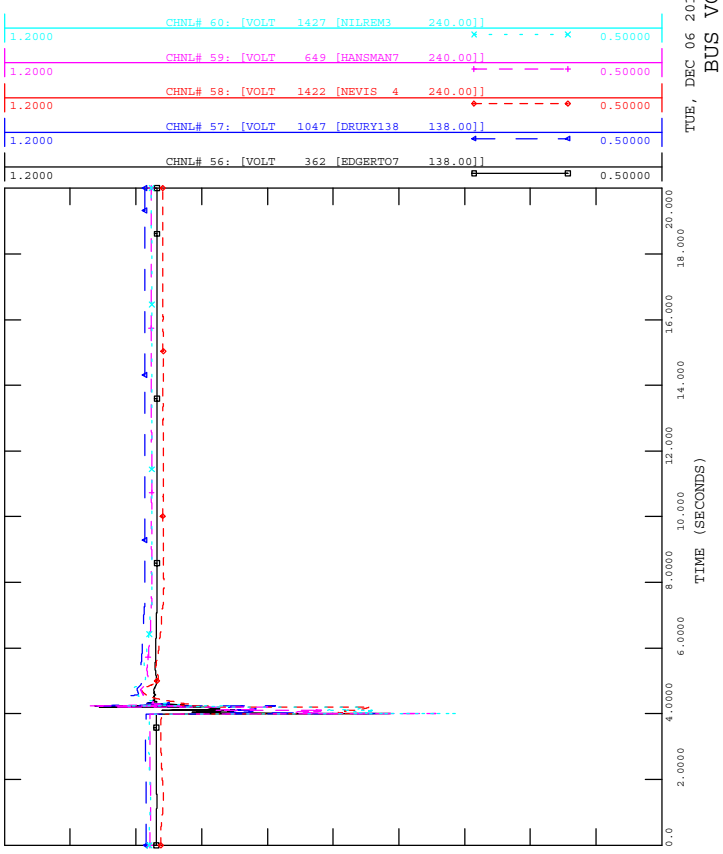

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L27_S902_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_S902_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L27_S903_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_S903_755S-Cordel.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L27_S903_755S-CORDEL

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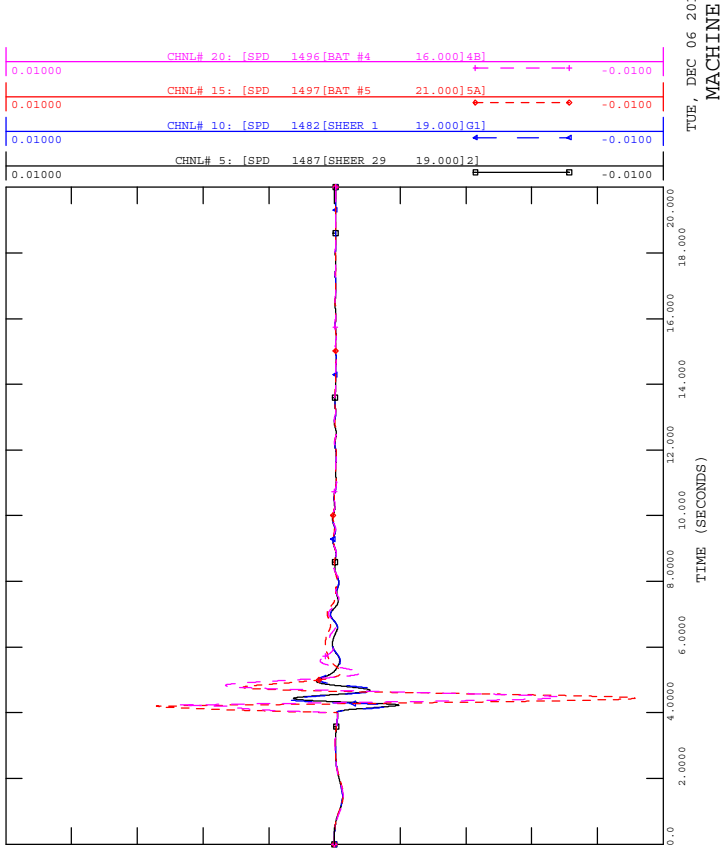
TUE, DEC 06 2016 21:59

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L27_S903_755S-CORDEL

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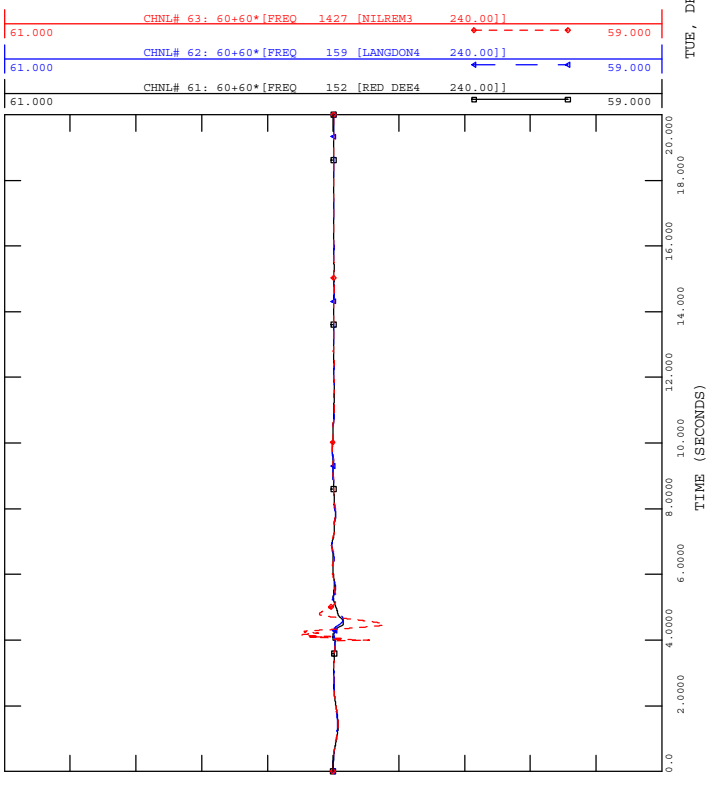
TUE, DEC 06 2016 21:59

FREQUENCY



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L27_S903_755S-CORDEL

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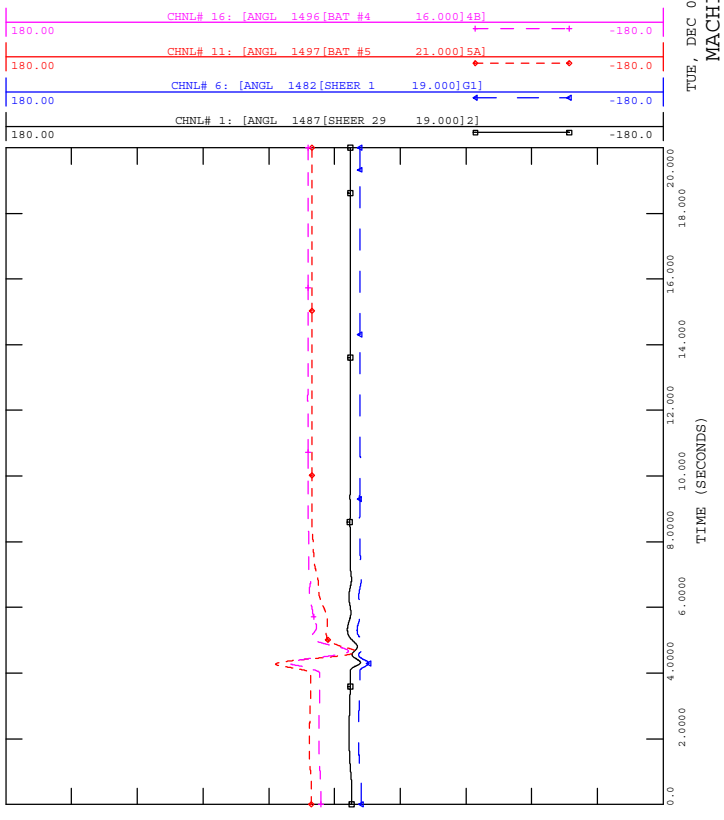
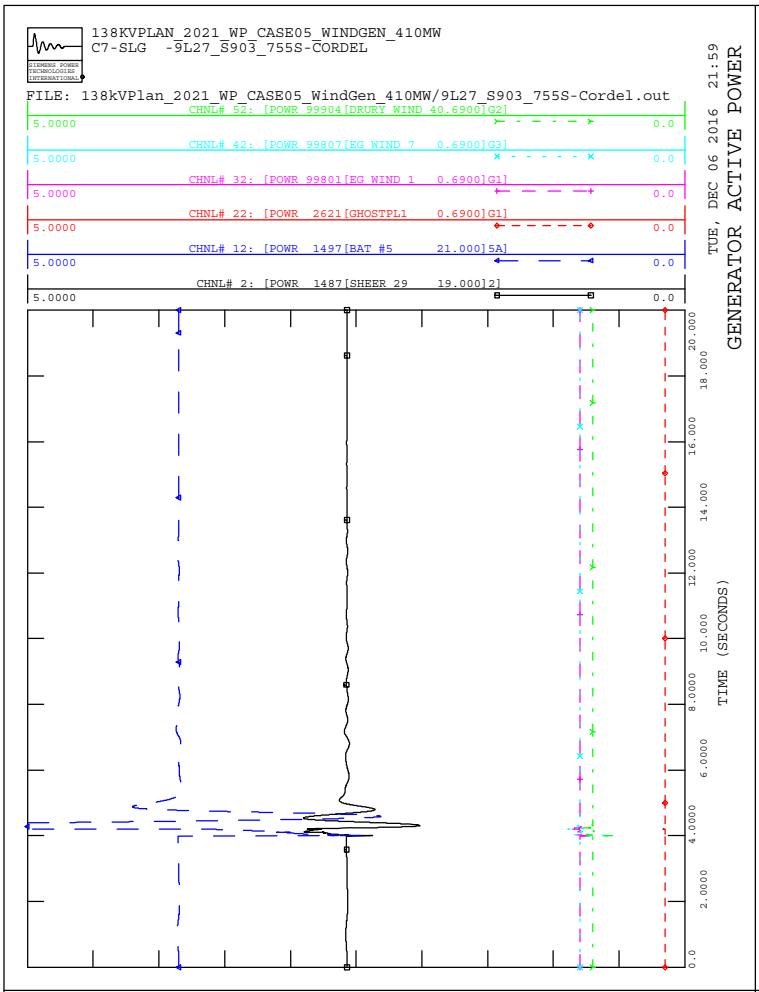
TUE, DEC 06 2016 21:59

MACHINE ANGLE

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C7-SLG -9L27_S903_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_S903_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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6.0000
8.0000
10.000
12.000
14.000
16.000
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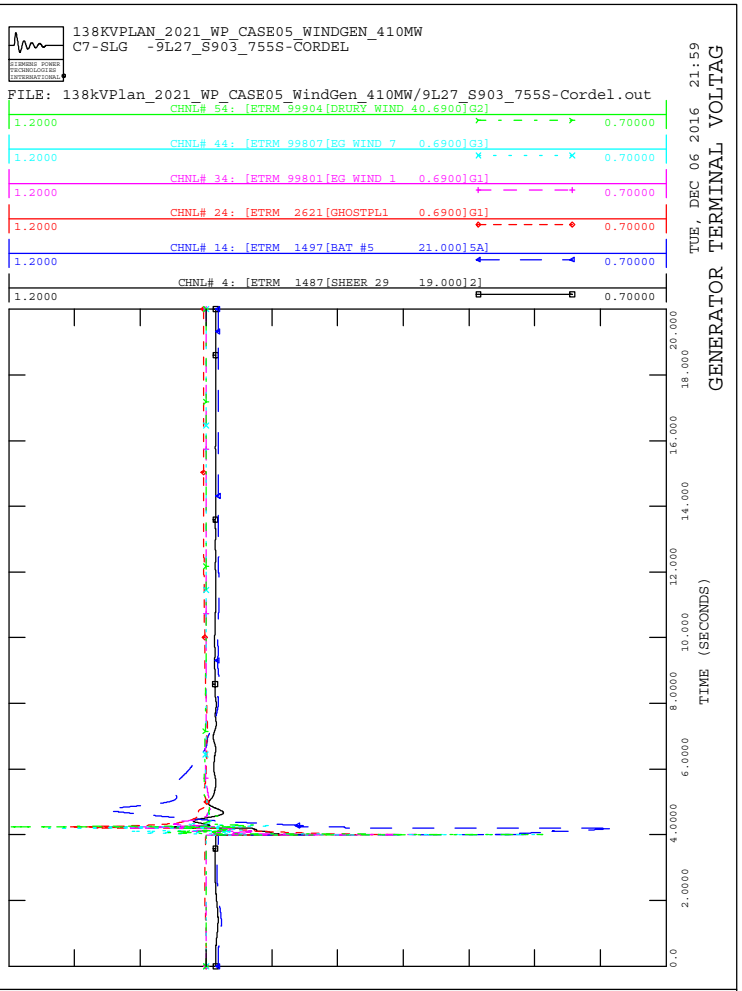
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L27_S903_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L27_S903_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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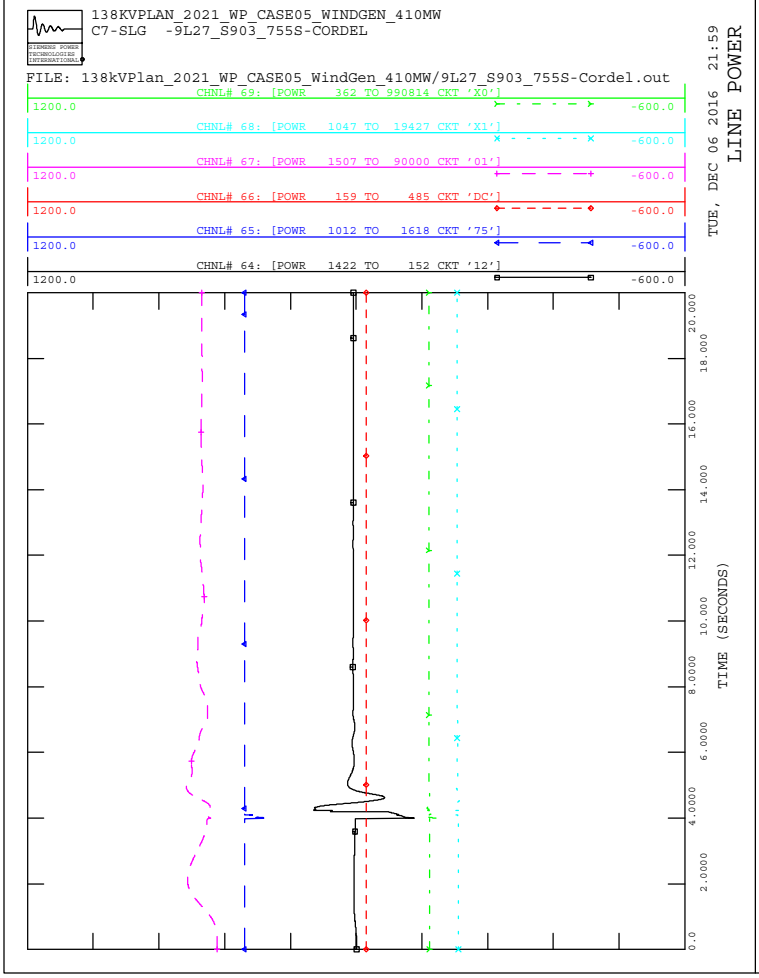
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C7-SLG -9L27_S903_755S-CORDEL
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CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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2.0000
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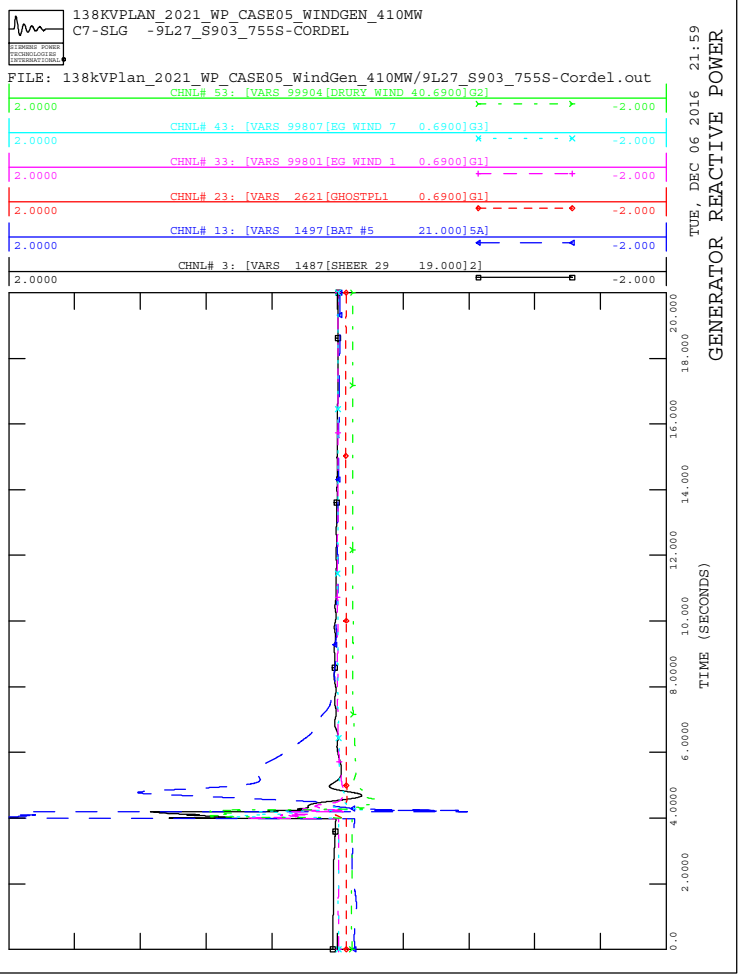
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C7-SLG -9L27_S903_755S-CORDEL
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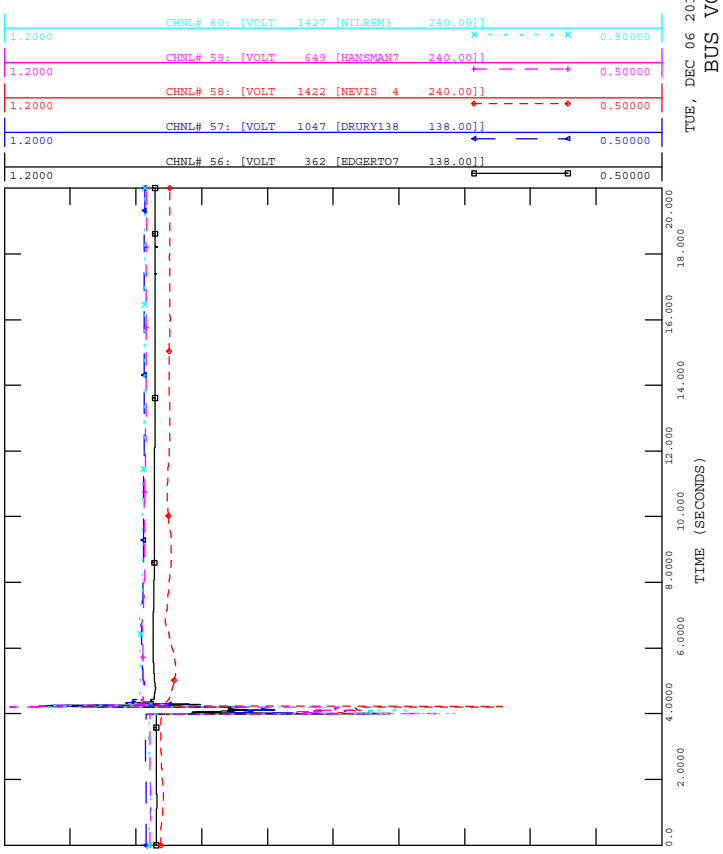
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_S901_755S-Cordel.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE



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C7-SLG -9L79_S901_755S-CORDEL

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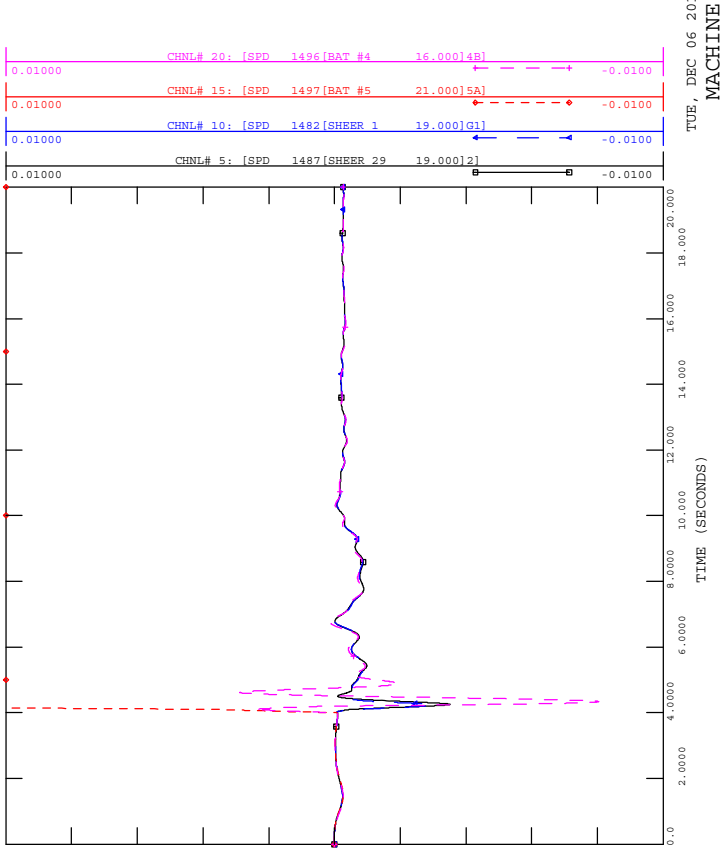
MACHINE SPEED



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C7-SLG -9L79_S901_755S-CORDEL

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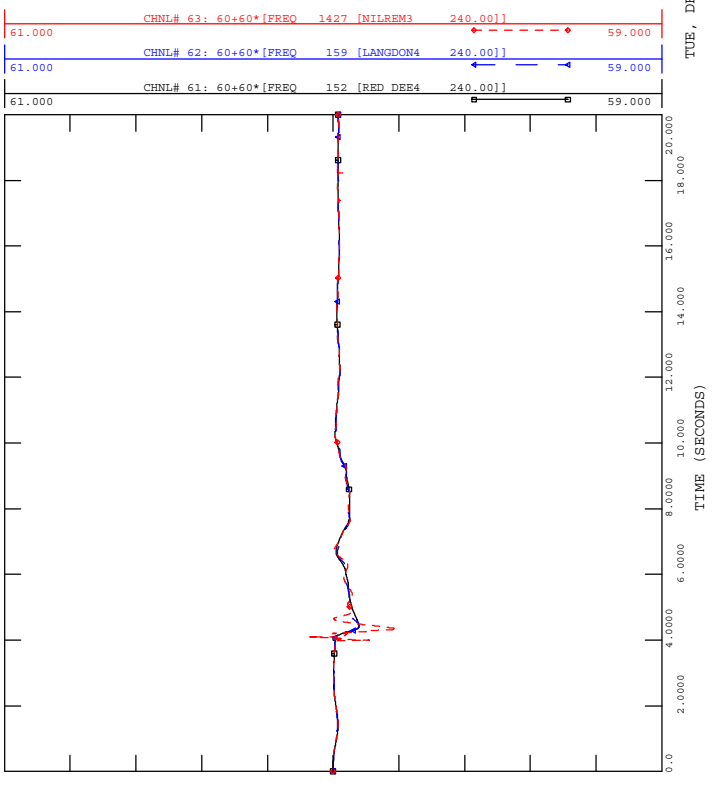

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C7-SLG -9L79_S901_755S-CORDEL

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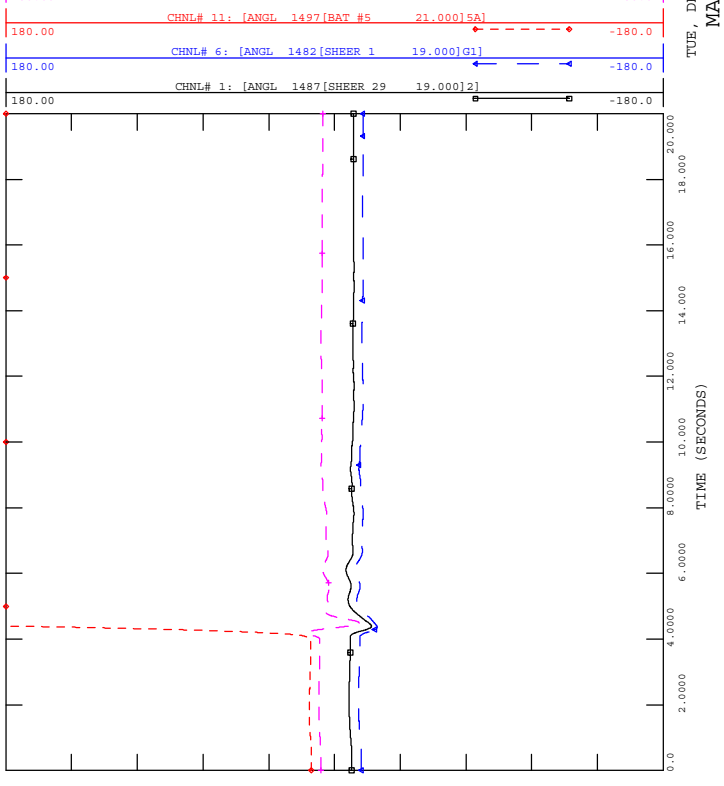
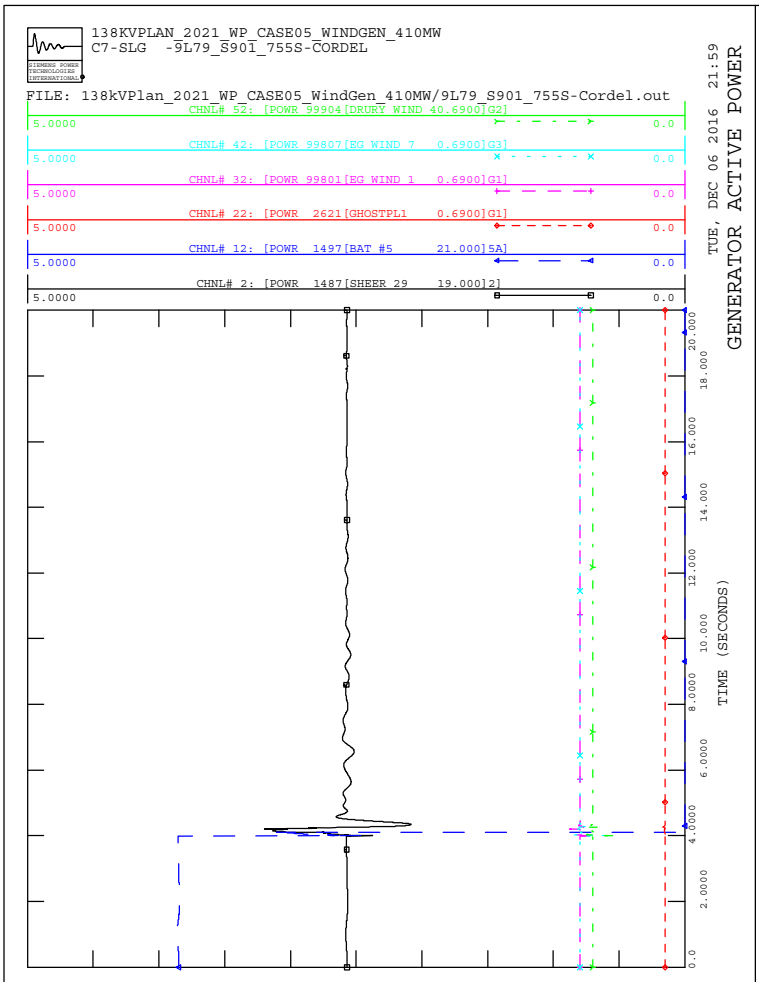
TUE, DEC 06 2016 21:59

MACHINE ANGLE

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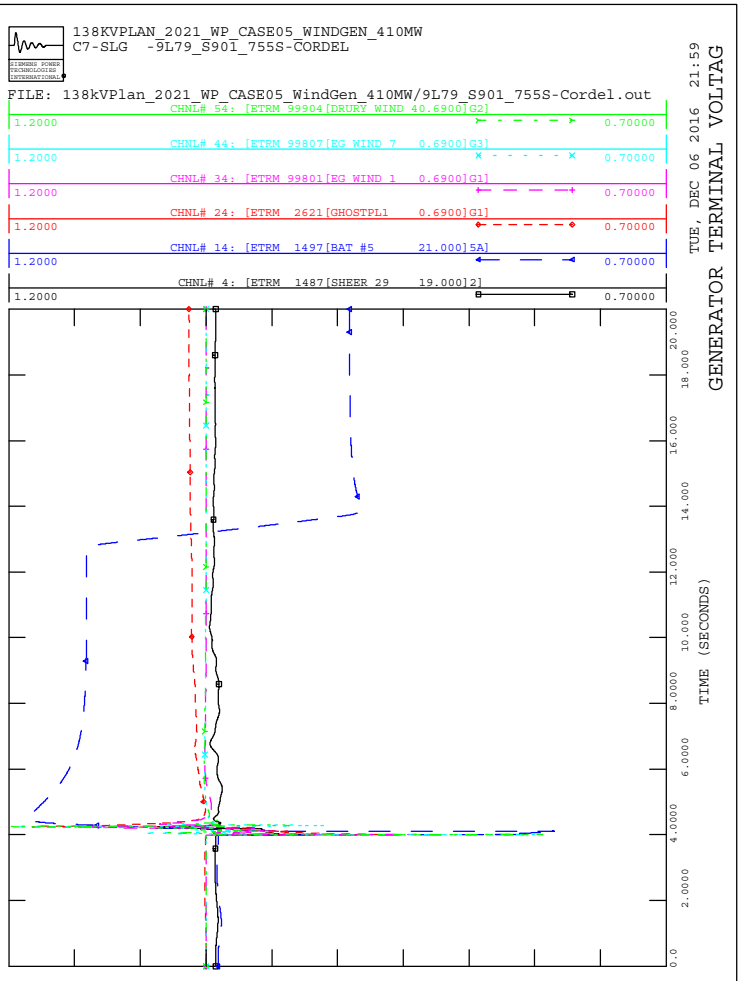
C7-SLG -9L79_S901_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_S901_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)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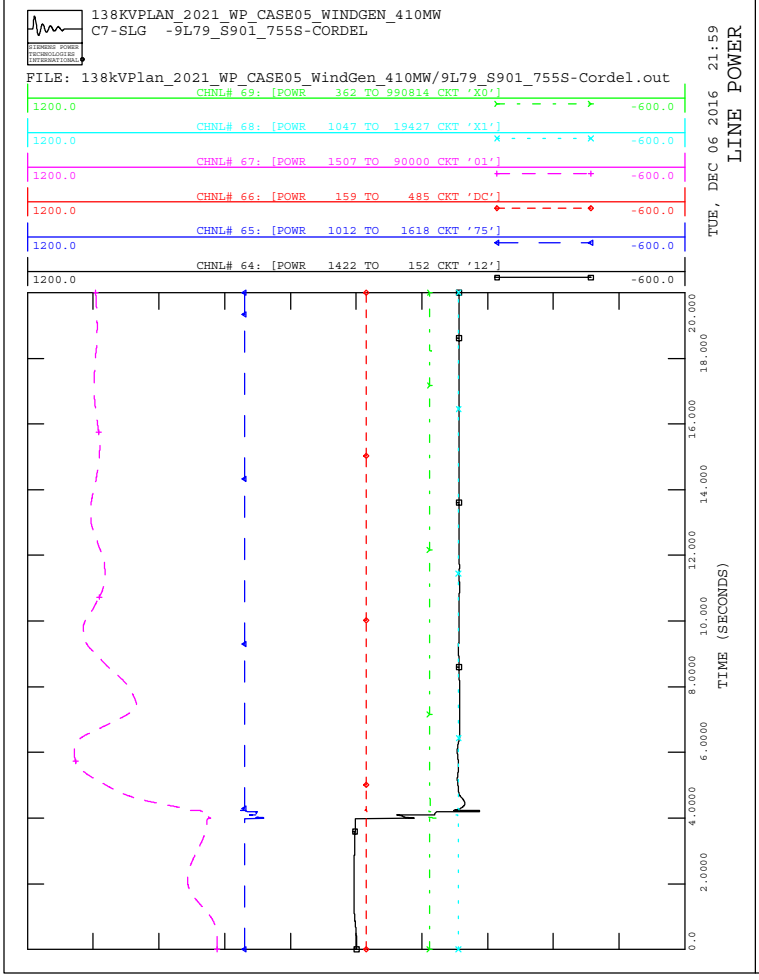
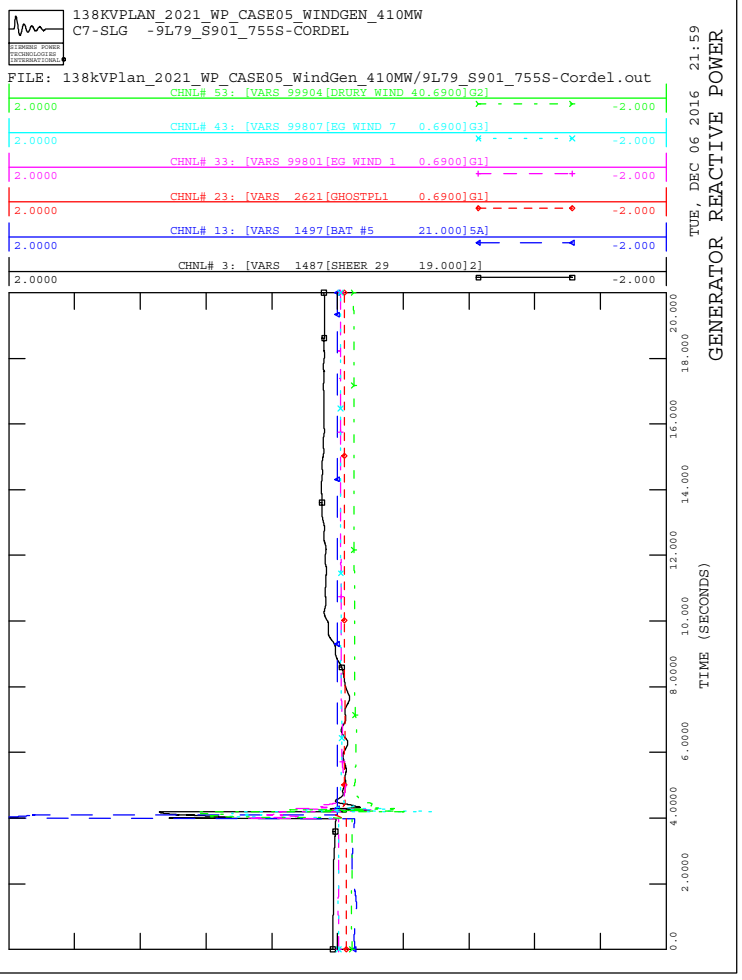
C7-SLG -9L79_S901_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_S901_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L79_S901_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_S901_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L79_S901_755S-CORDEL
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
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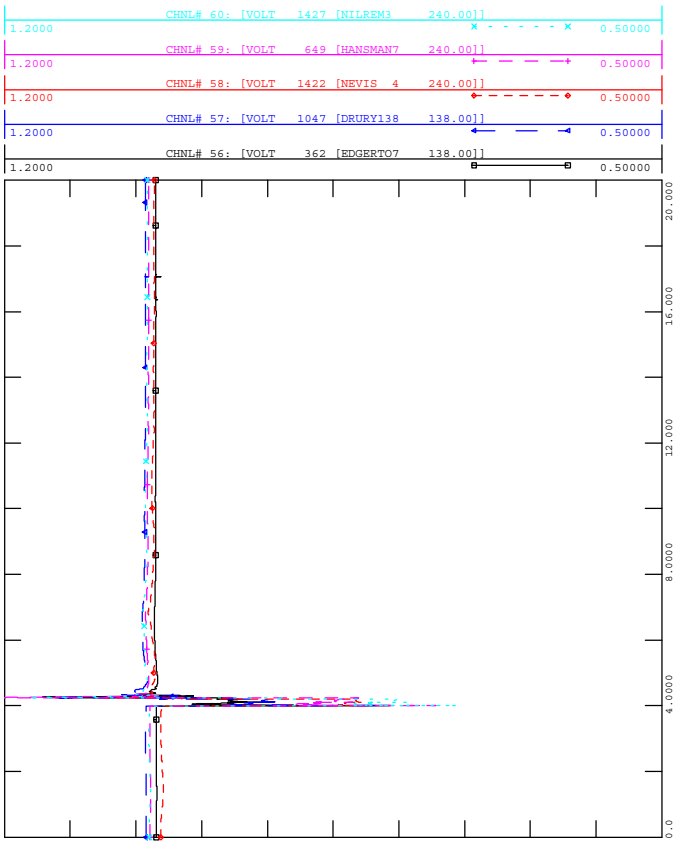
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_S902_755S-Cordel.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

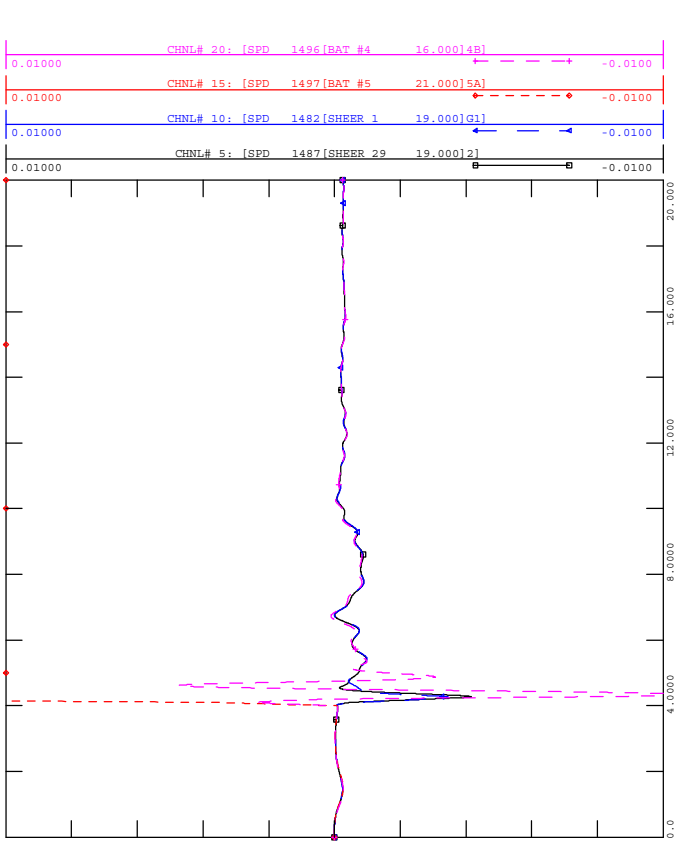


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_S902_755S-Cordel.out

TUE, DEC 06 2016 21:59

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_S902_755S-Cordel.out

TUE, DEC 06 2016 21:59

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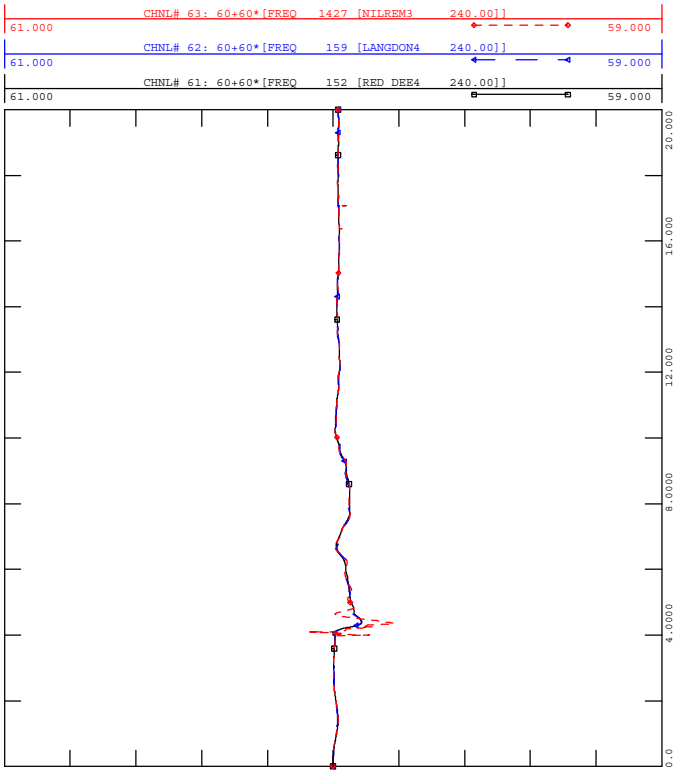

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL

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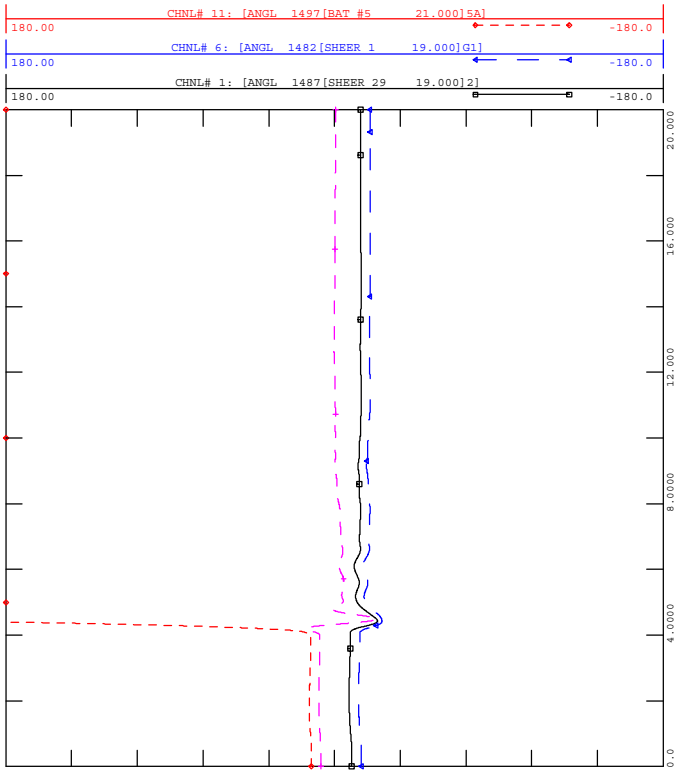
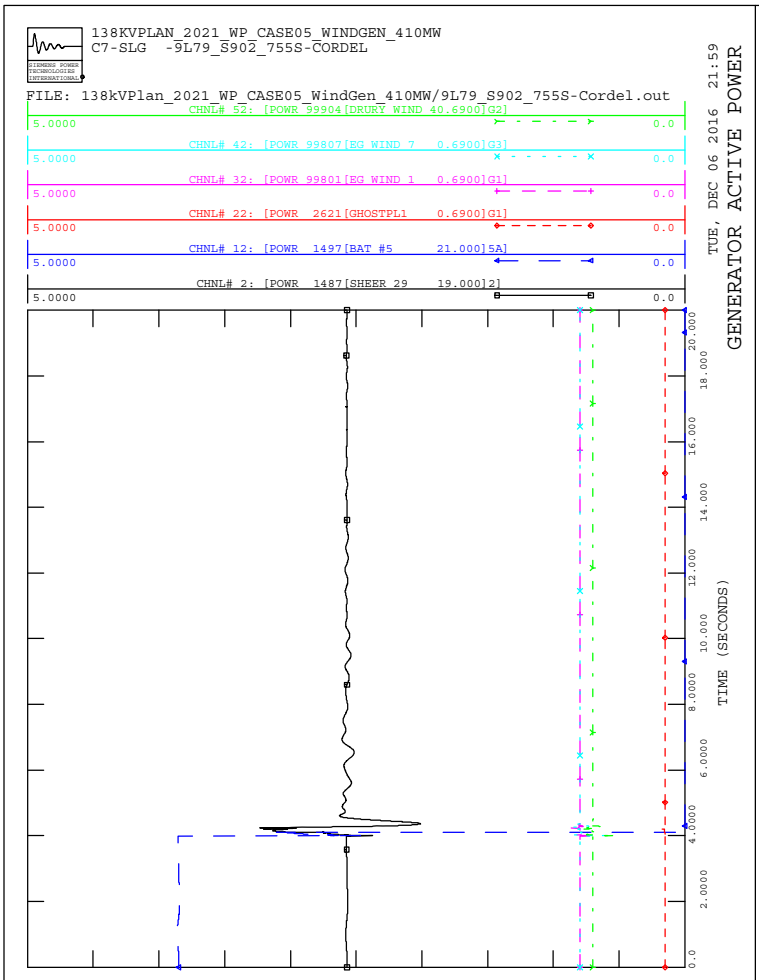
TUE, DEC 06 2016 21:59

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL
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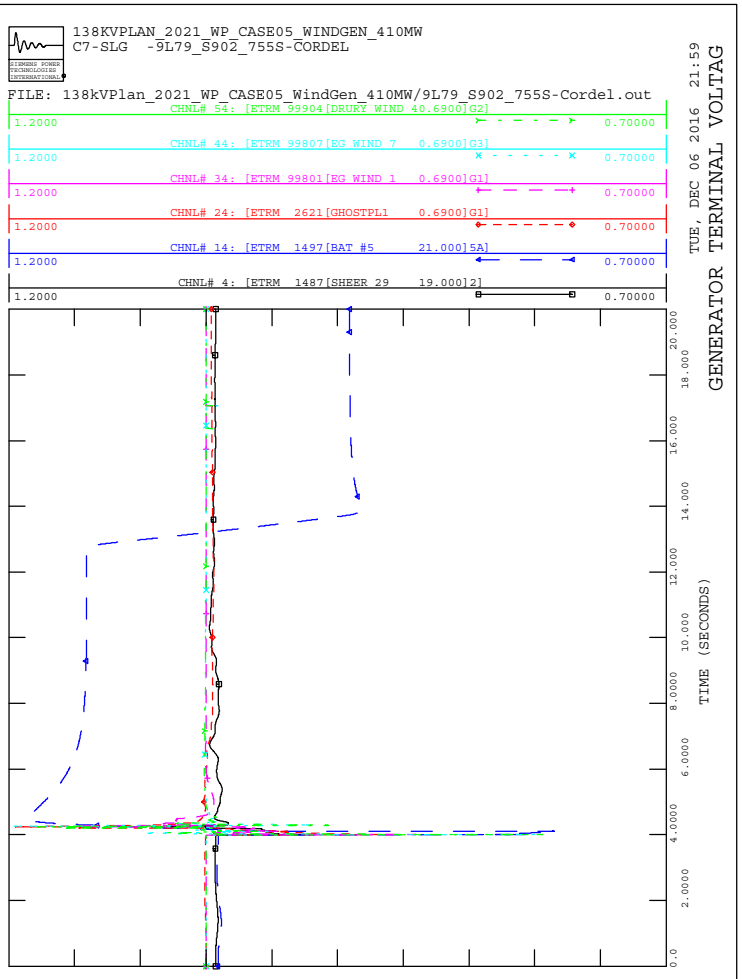
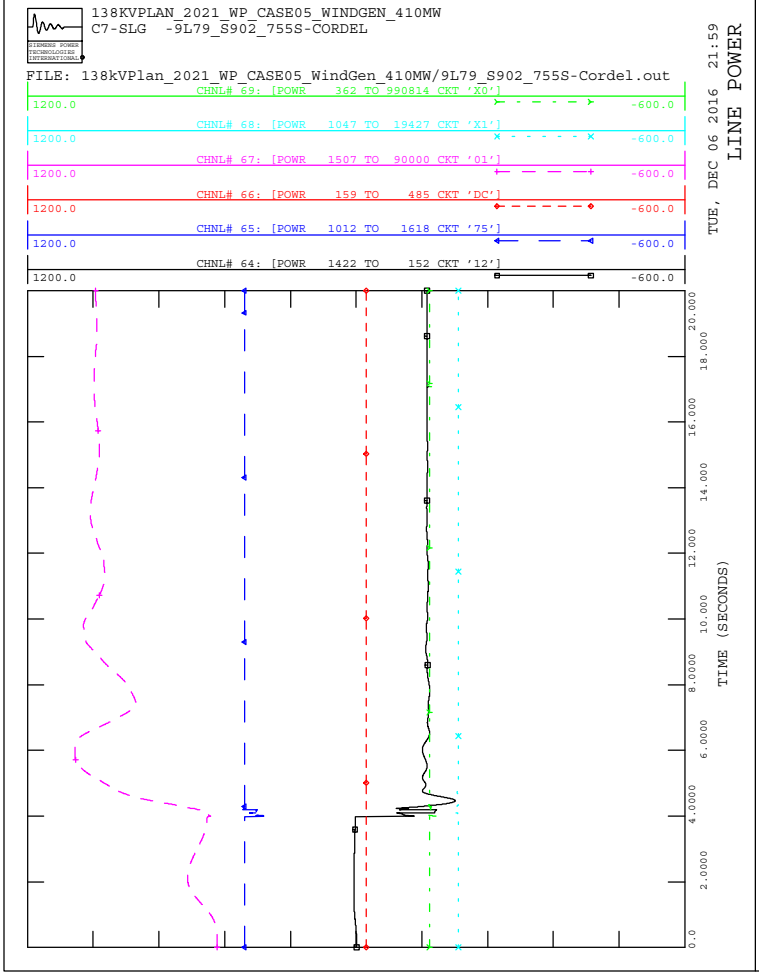
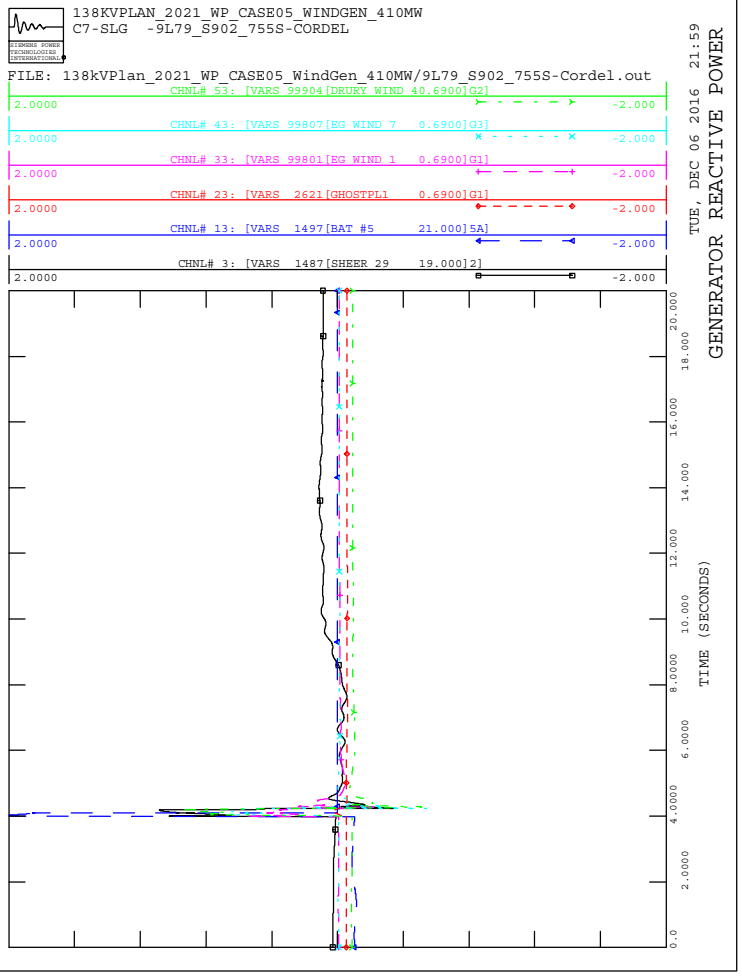
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_S902_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_S902_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

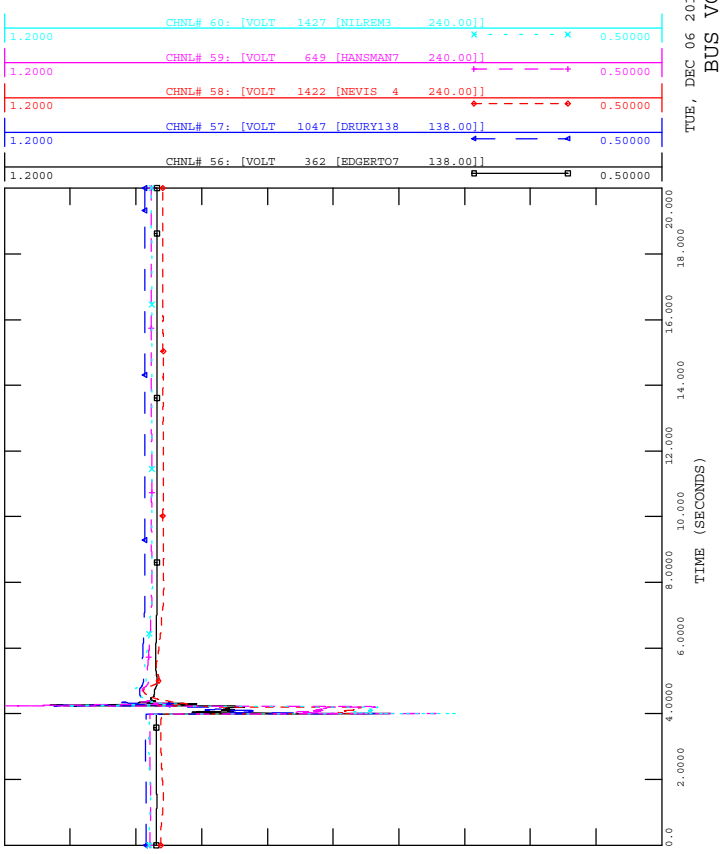

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L79_S902_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L79_S902_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S903_755S-Cordel.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL

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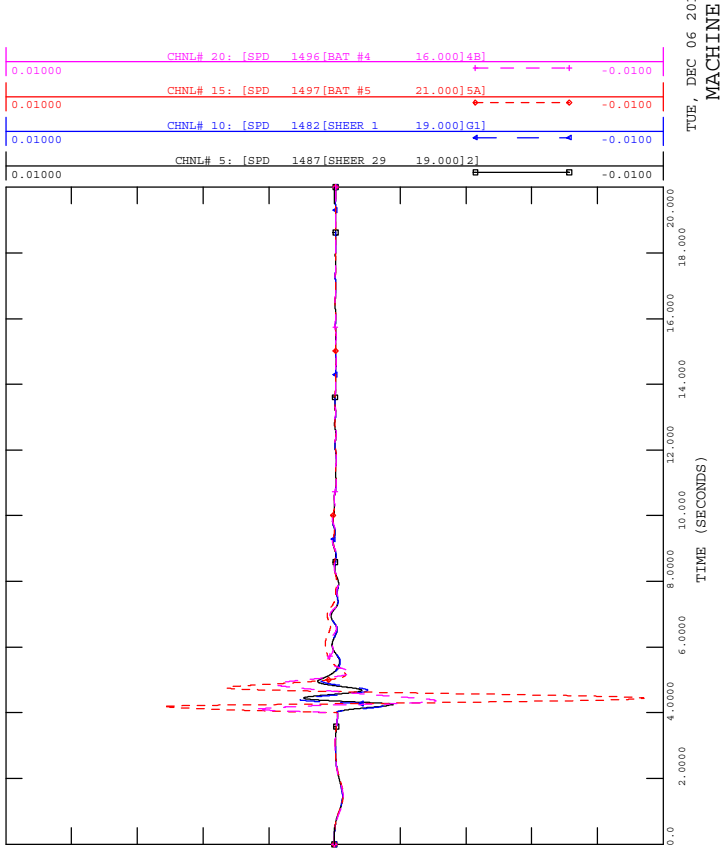
TUE, DEC 06 2016 21:59

MACHINE SPEED

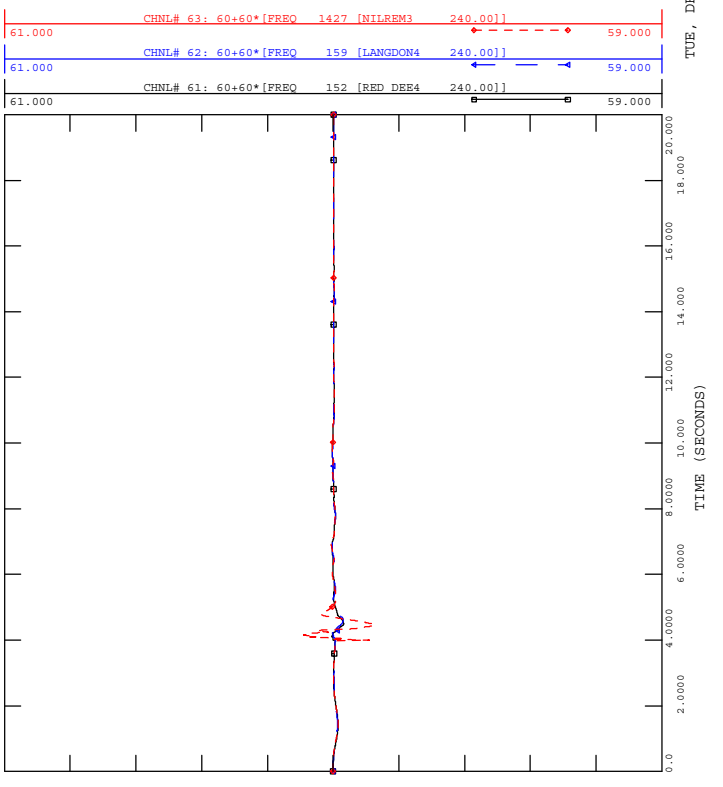


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S903_755S-Cordel.out

TUE, DEC 06 2016 21:59

FREQUENCY

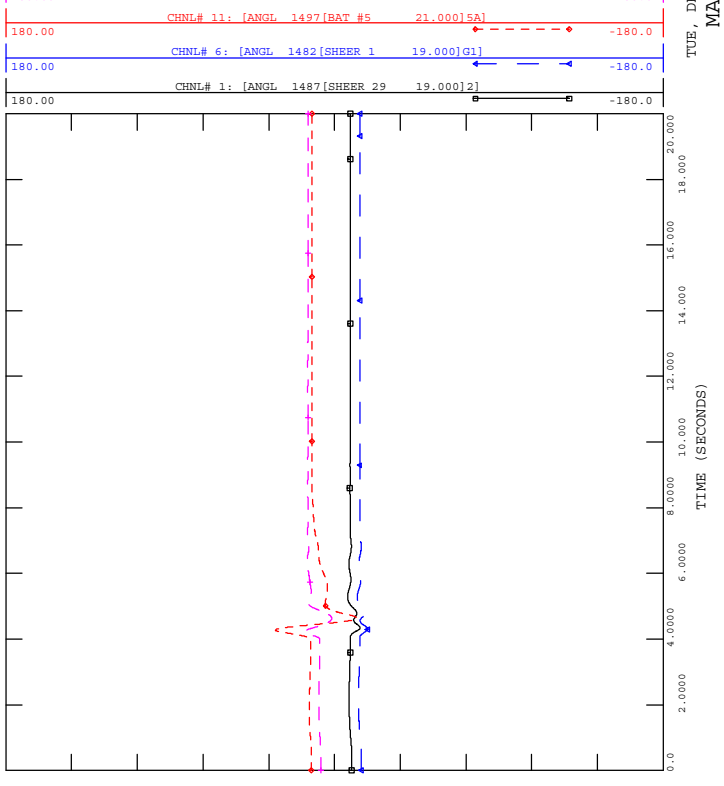


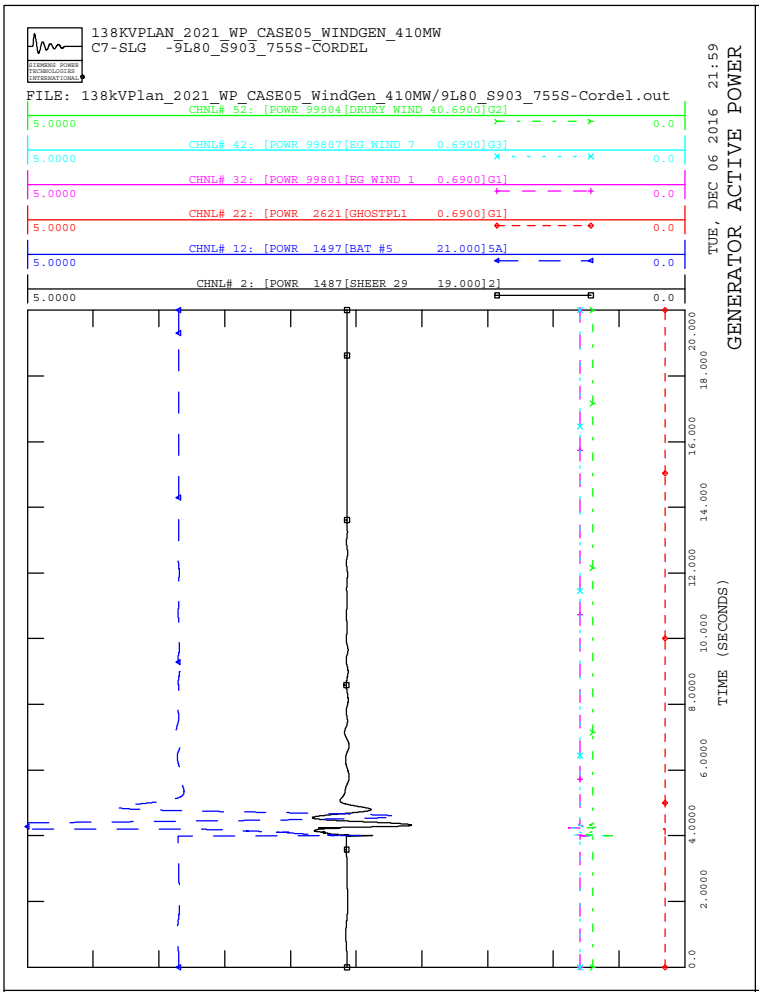
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL

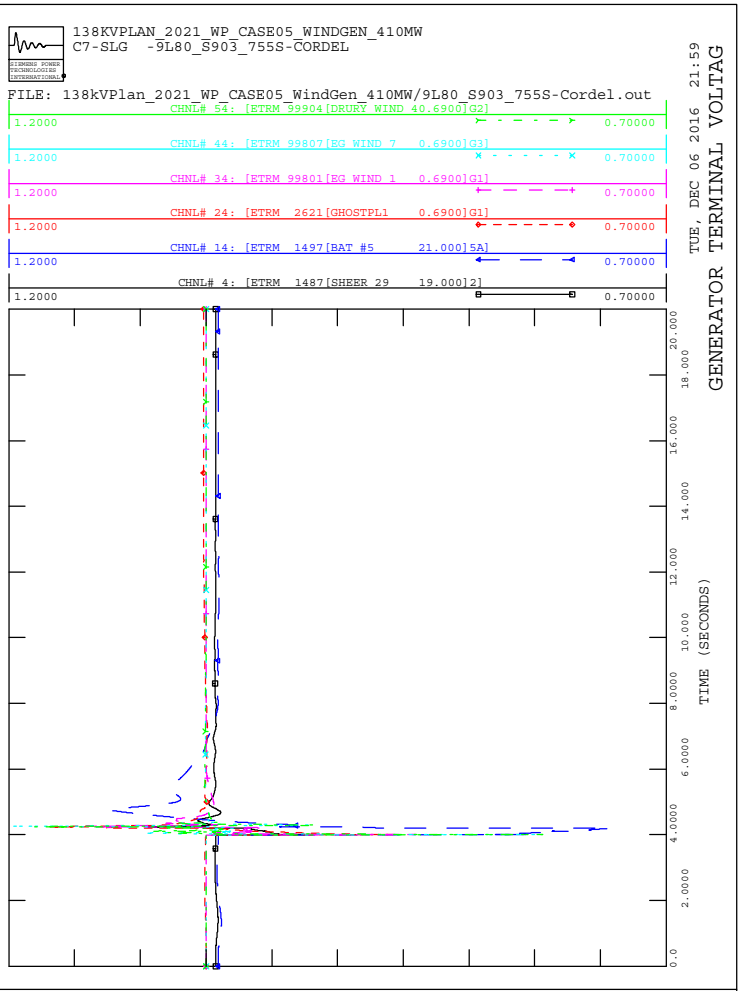
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S903_755S-Cordel.out

TUE, DEC 06 2016 21:59

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S903_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S903_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
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12.000
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16.000
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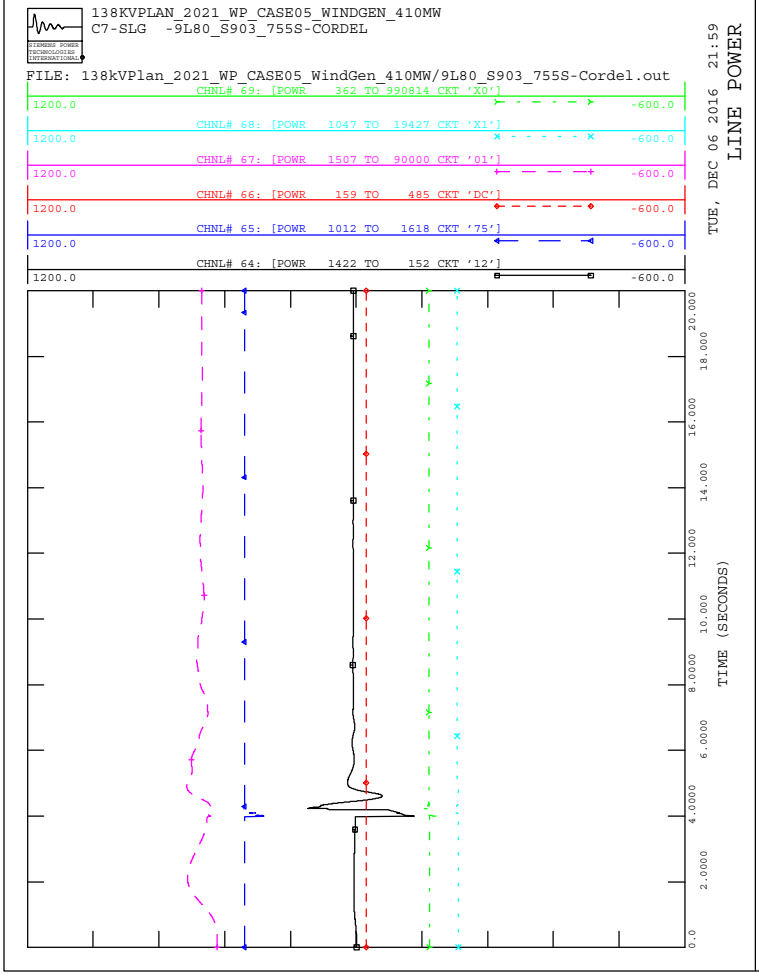
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S903_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
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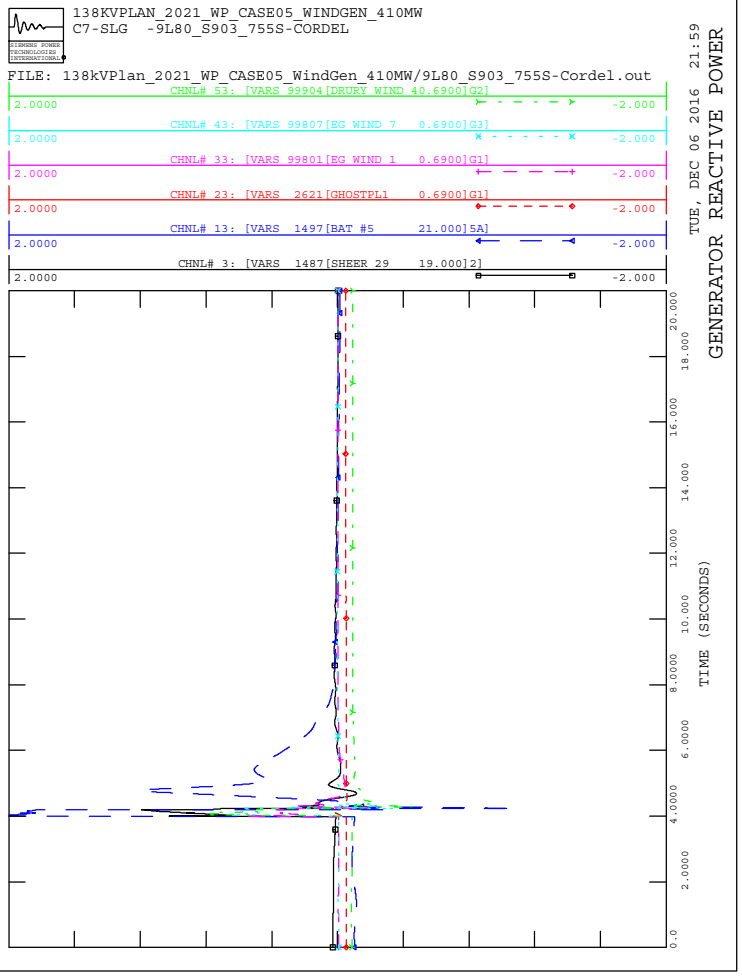
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S903_755S-CORDEL
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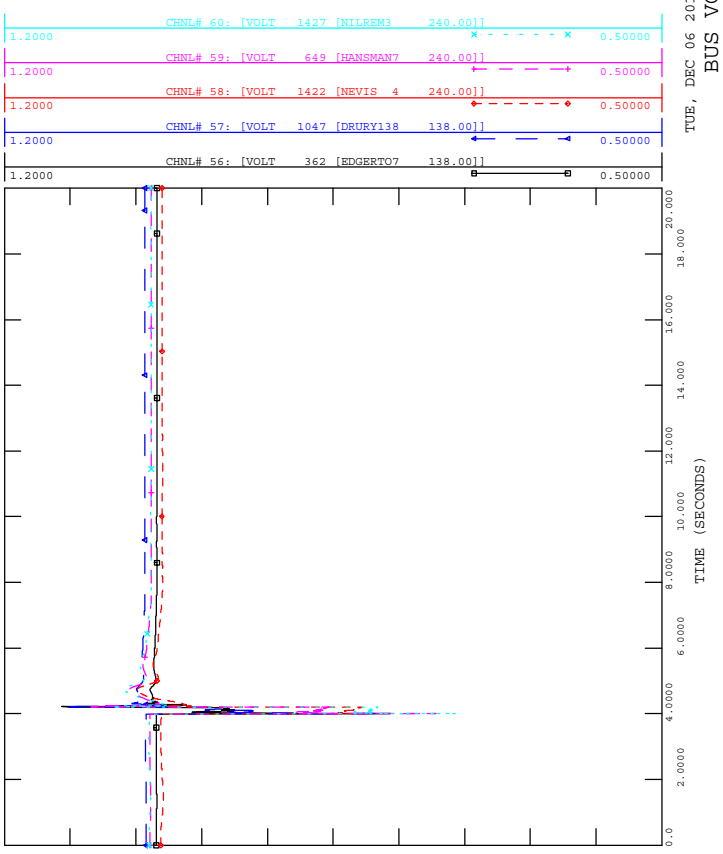
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S904_755S-Cordel.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

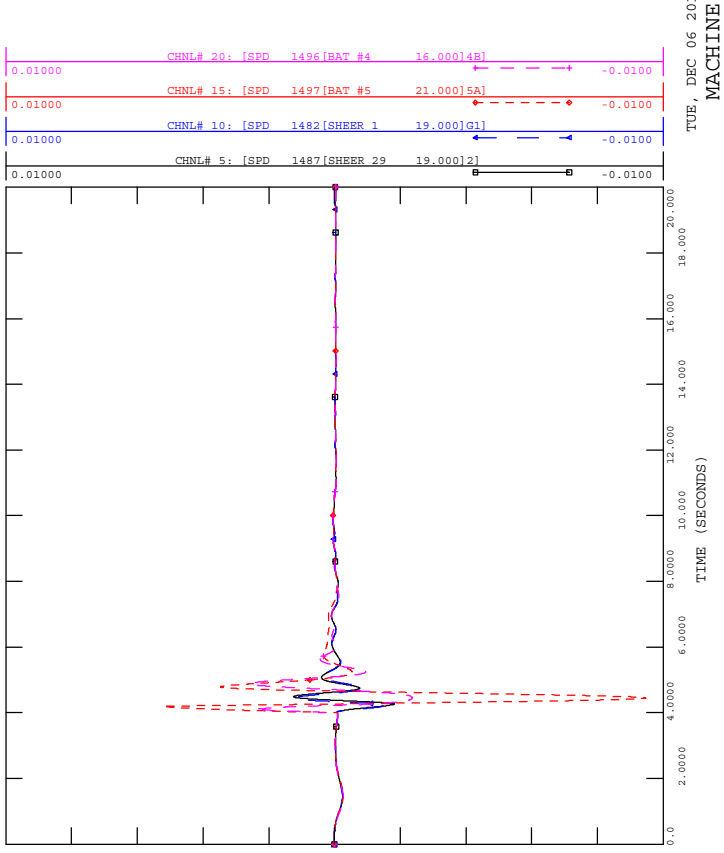


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S904_755S-Cordel.out

TUE, DEC 06 2016 21:59

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S904_755S-Cordel.out

TUE, DEC 06 2016 21:59

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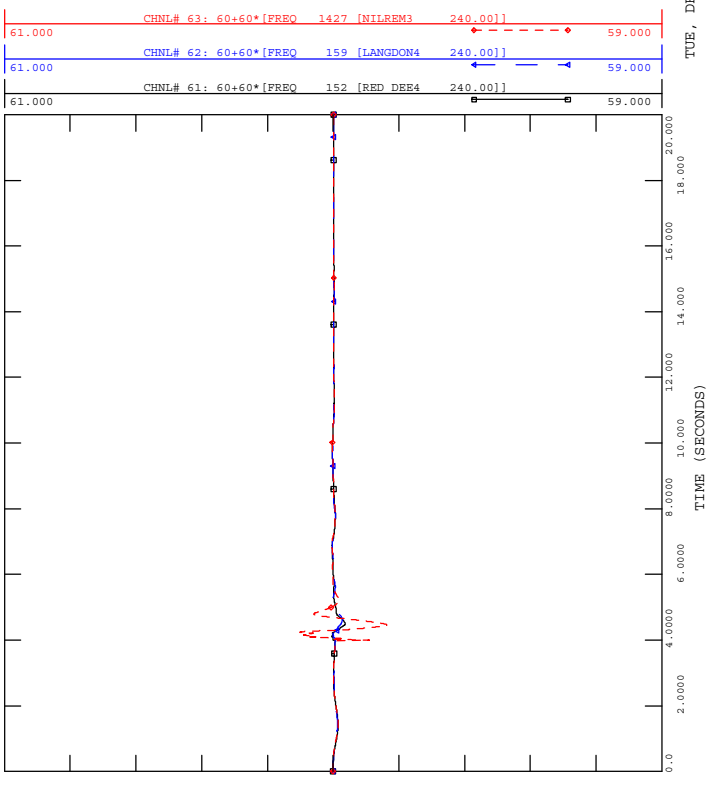

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S904_755S-CORDEL

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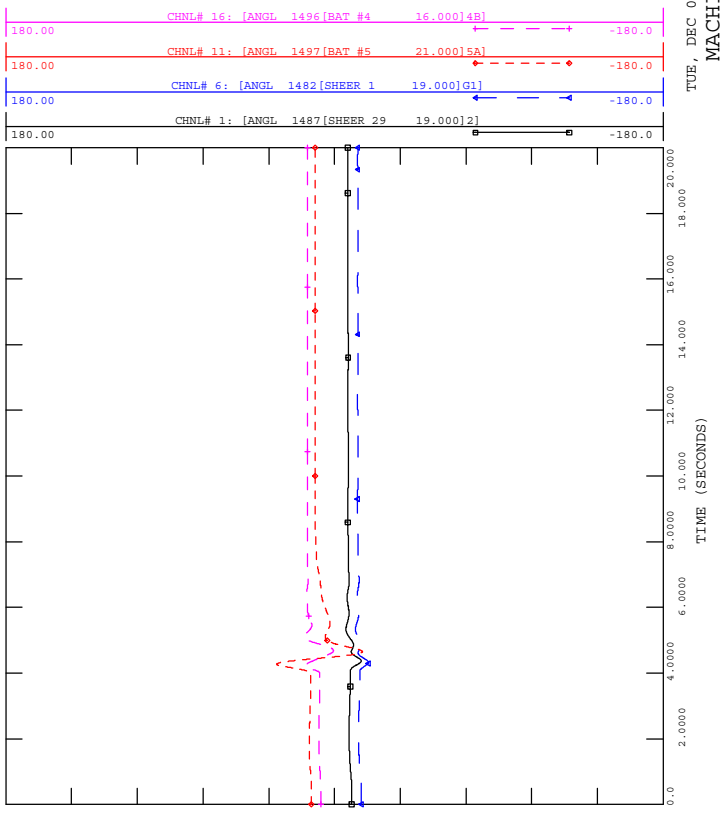
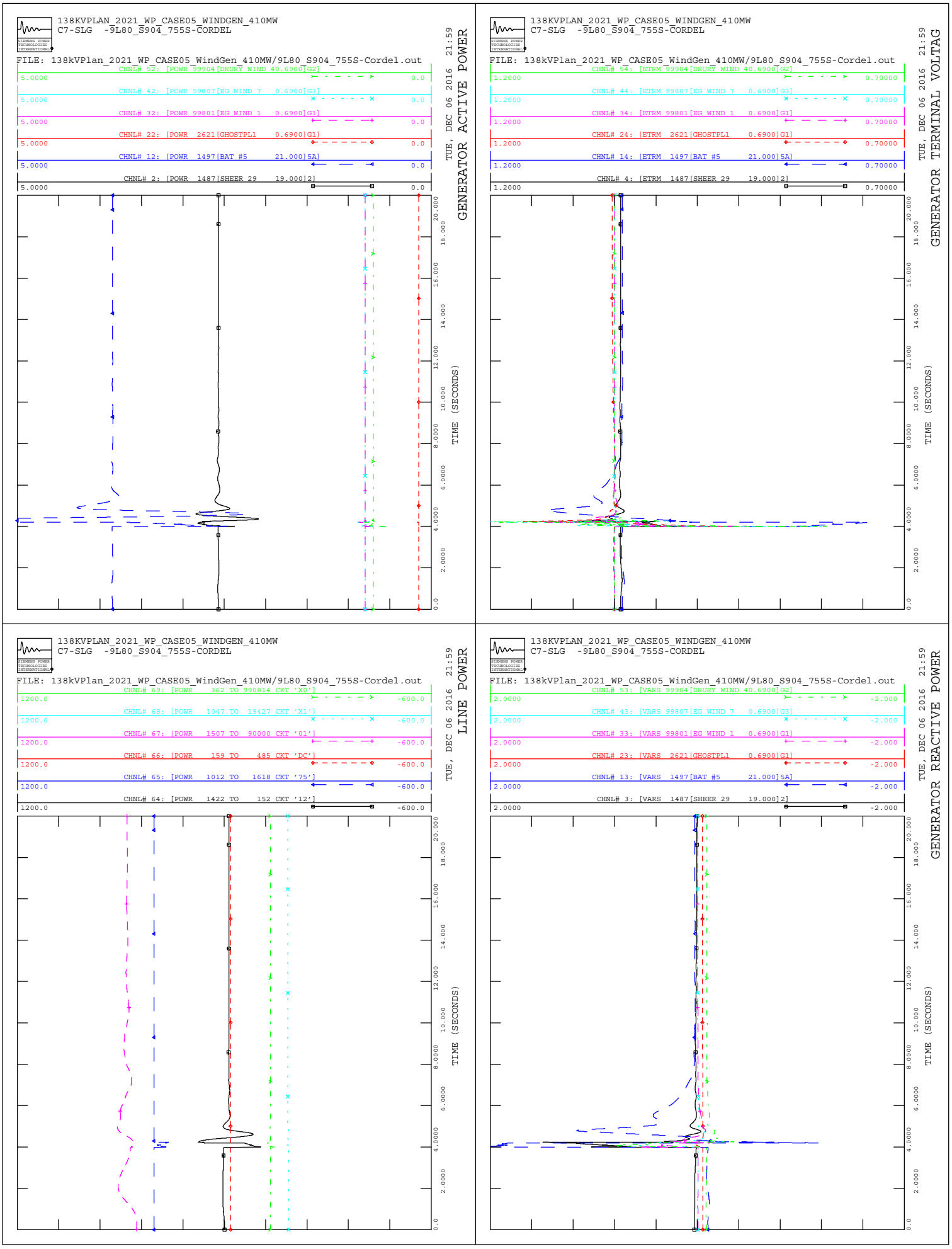
TUE, DEC 06 2016 21:59

MACHINE ANGLE



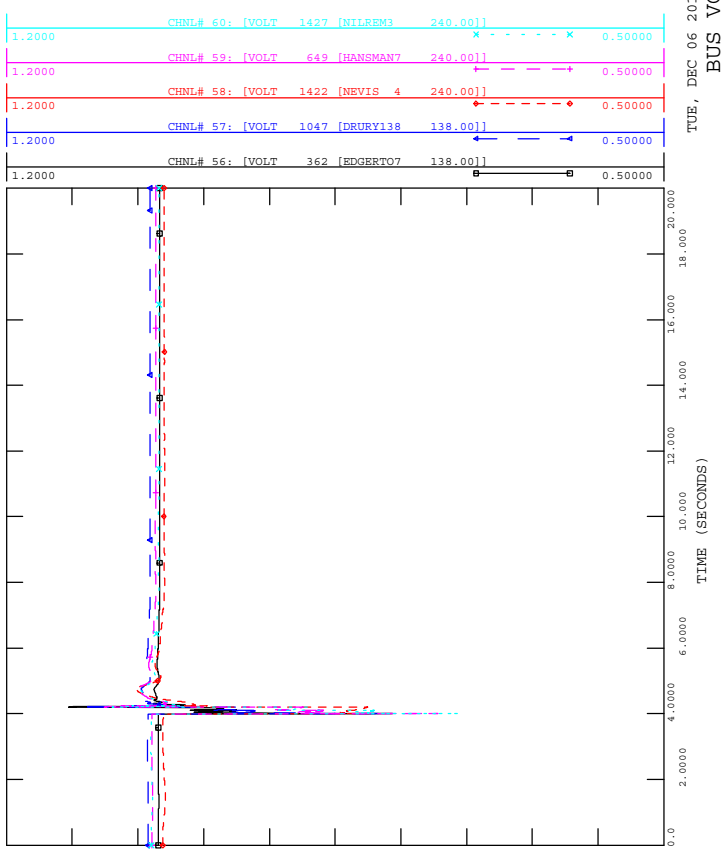

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S904_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S904_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S905_755S-Cordel.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

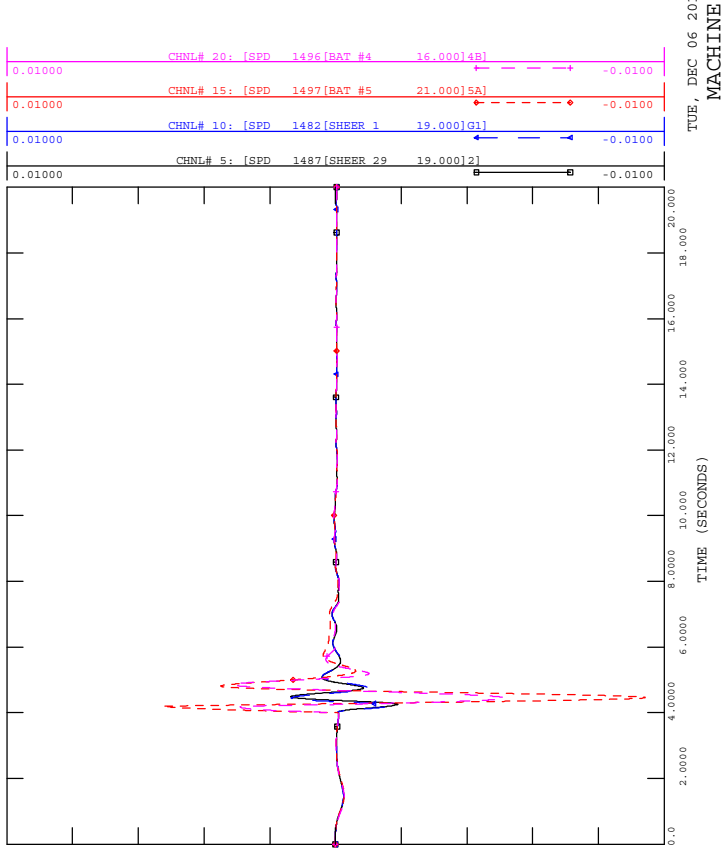


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S905_755S-Cordel.out

TUE, DEC 06 2016 21:59

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L953_S905_755S-CORDEL

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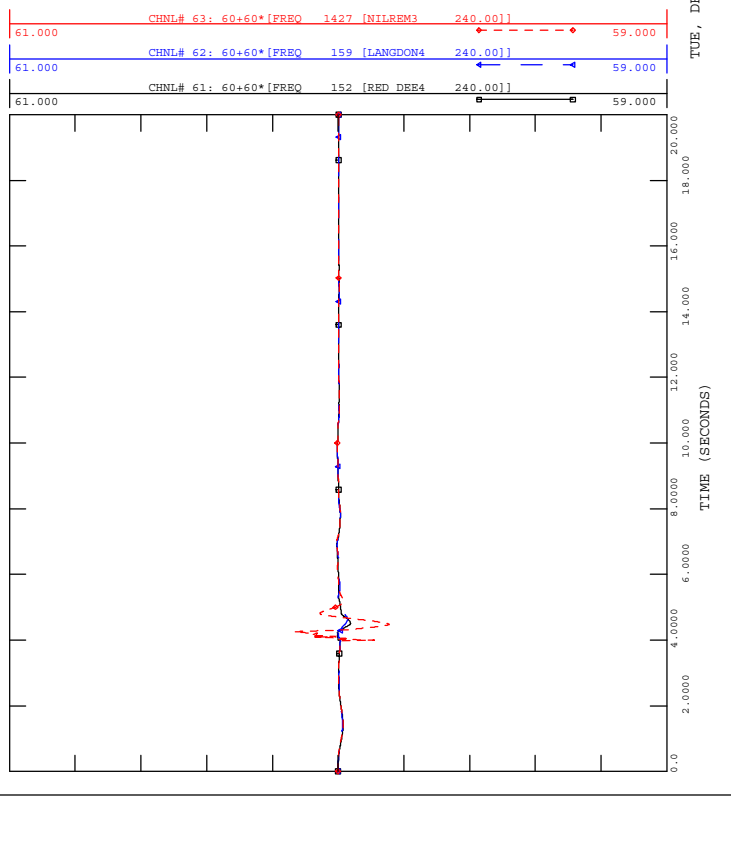
TUE, DEC 06 2016 21:59

FREQUENCY



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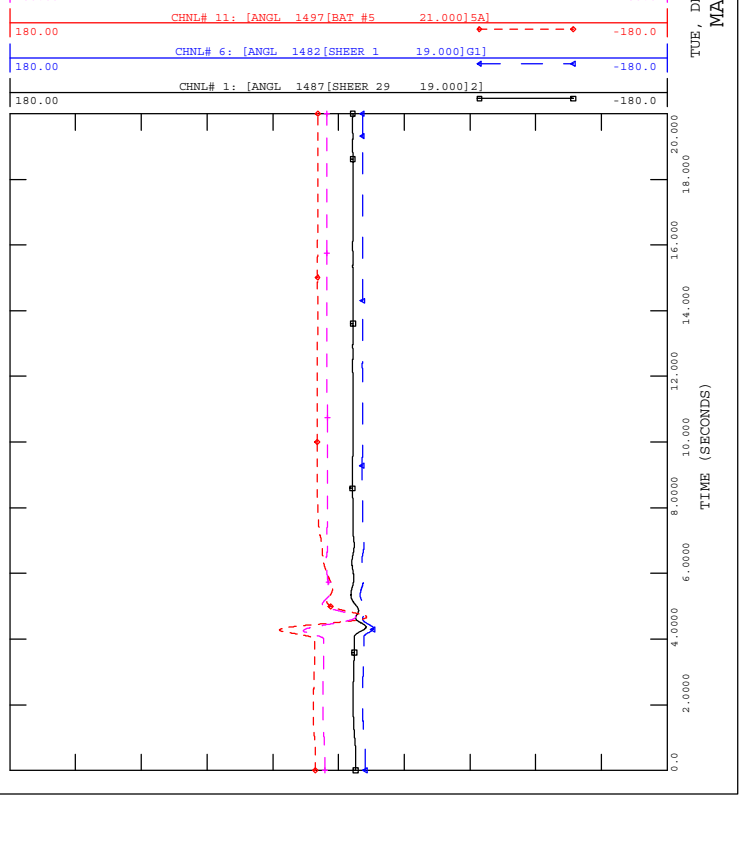
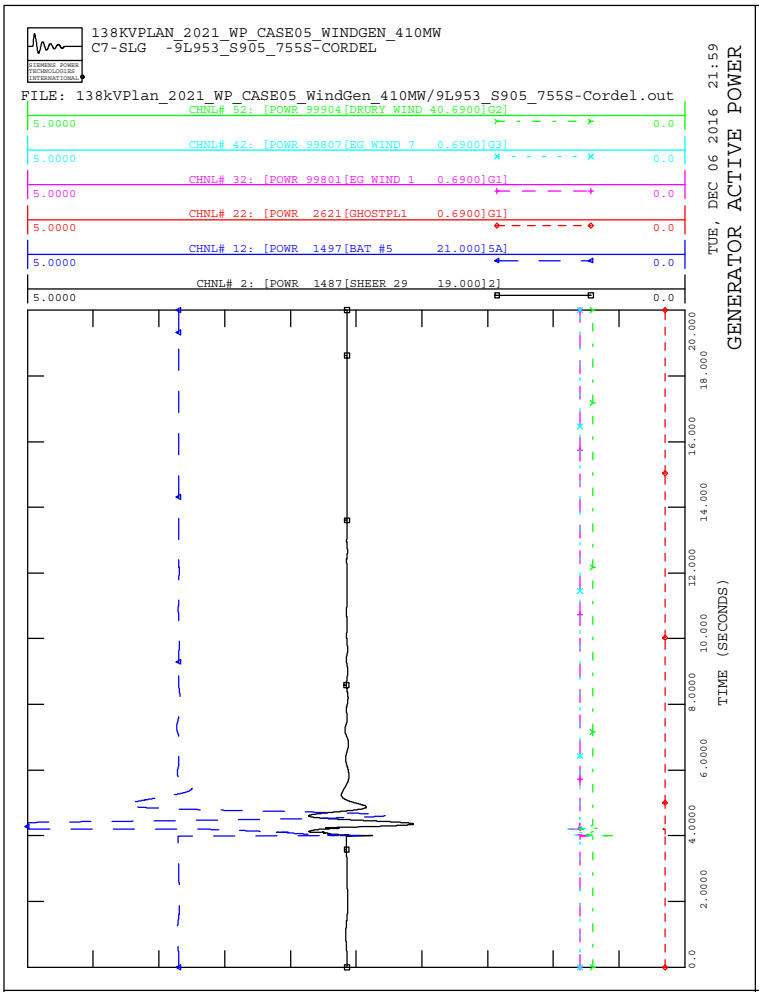
C7-SLG -9L953_S905_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S905_755S-Cordel.out

TUE, DEC 06 2016 21:59

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L953_S905_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S905_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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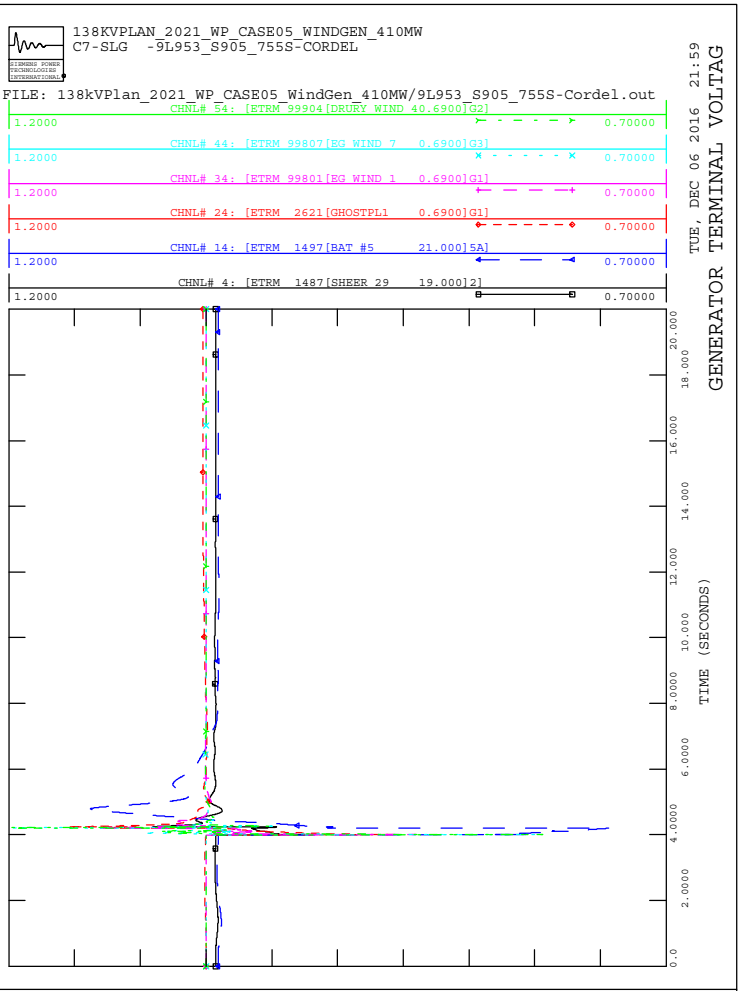
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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C7-SLG -9L953_S905_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S905_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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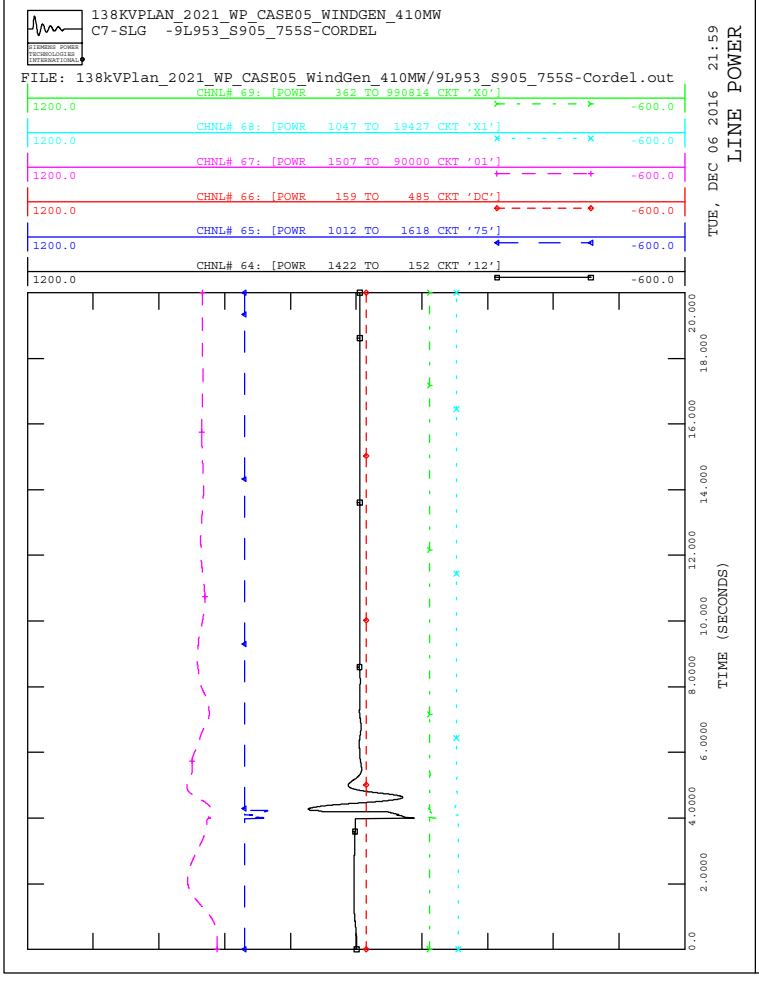
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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C7-SLG -9L953_S905_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S905_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
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10.000
12.000
14.000
16.000
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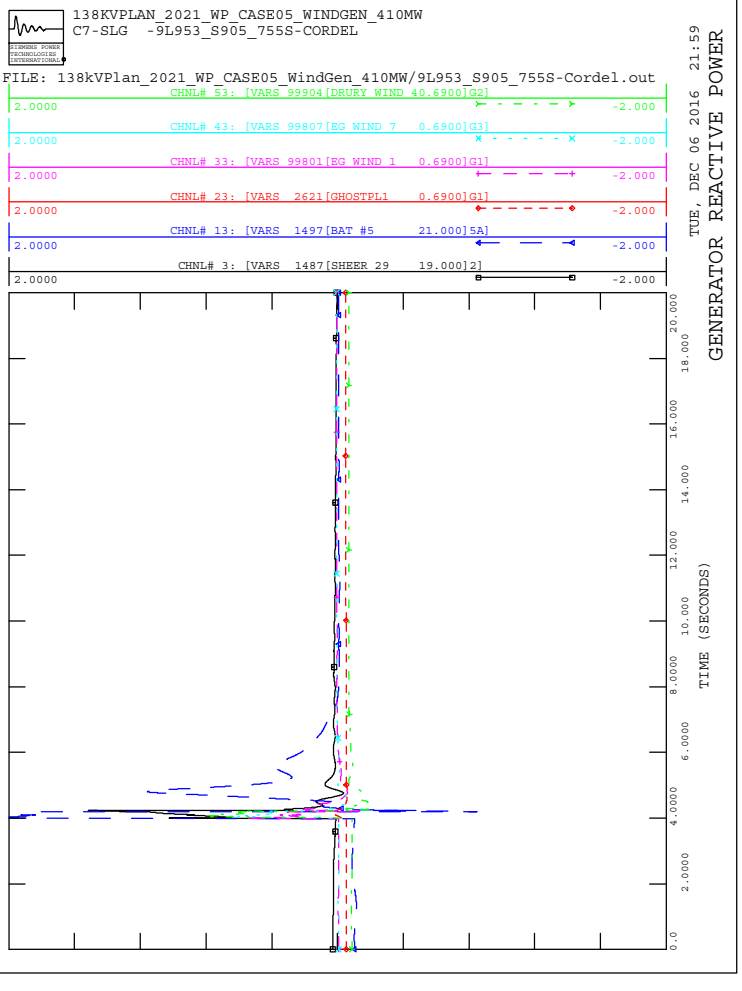
20.000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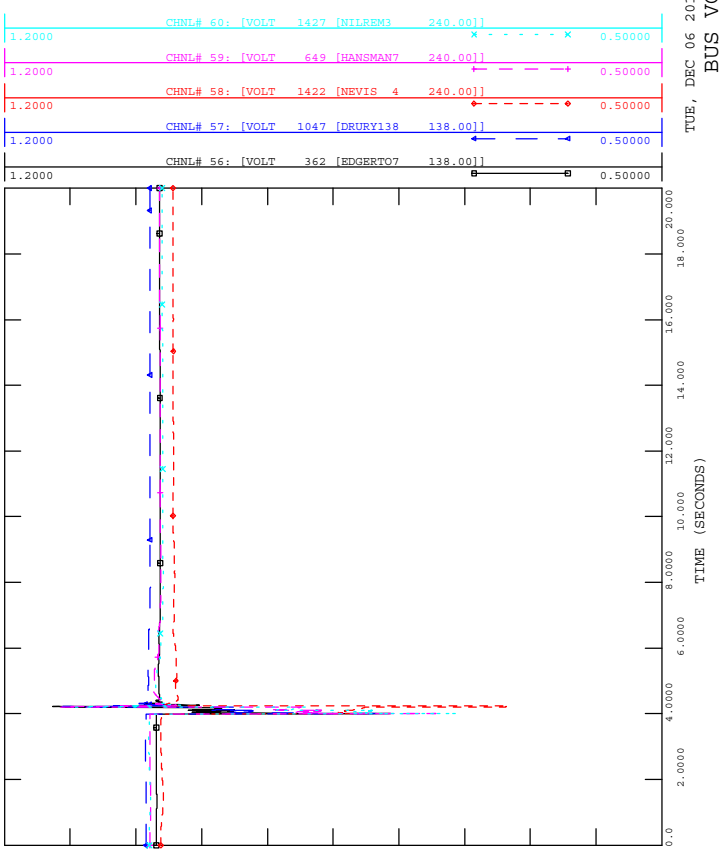
C7-SLG -9L953_S905_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S905_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S906_755S-Cordel.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

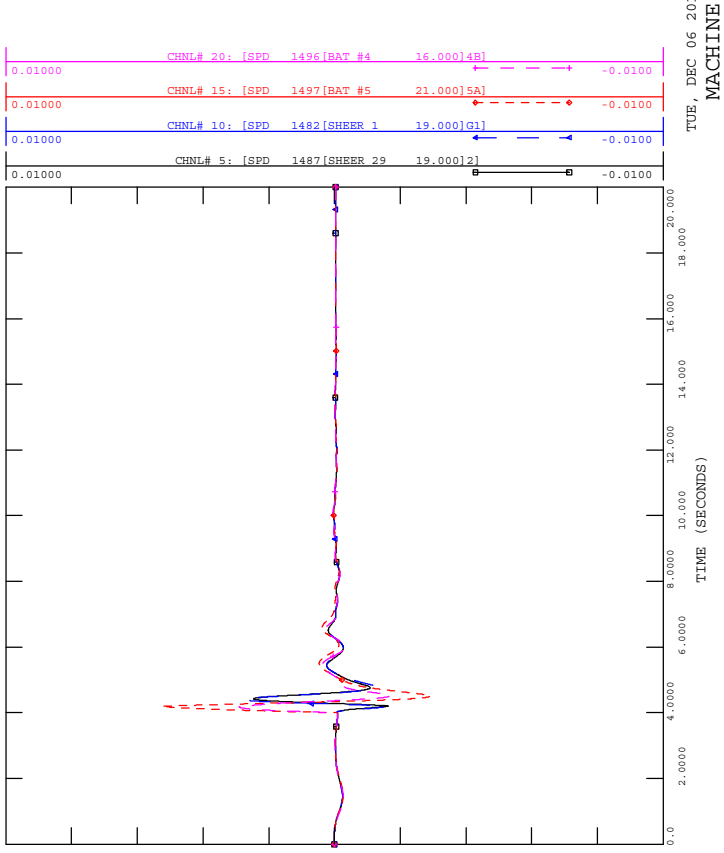


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S906_755S-Cordel.out

TUE, DEC 06 2016 21:59

MACHINE SPEED

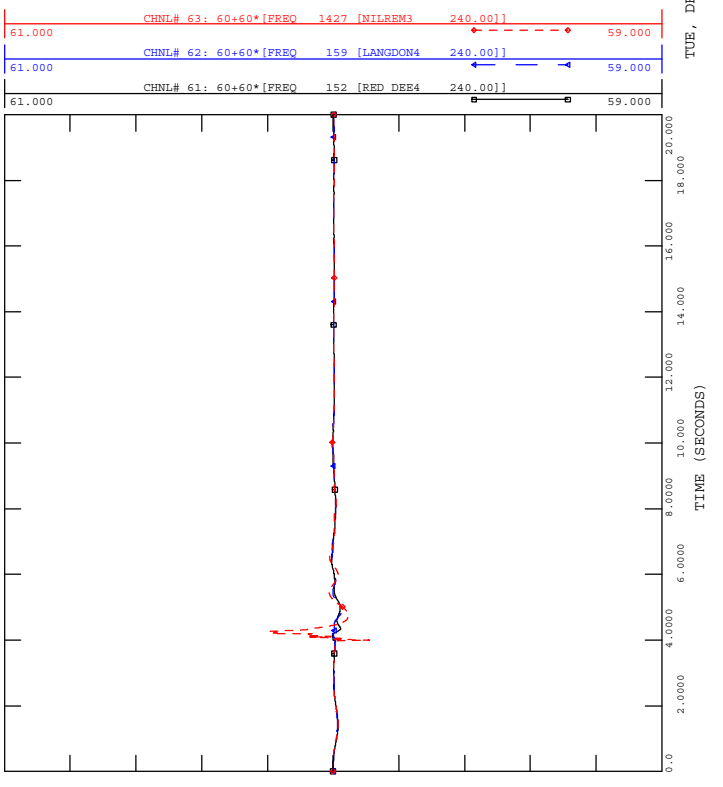


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S906_755S-Cordel.out

TUE, DEC 06 2016 21:59

FREQUENCY

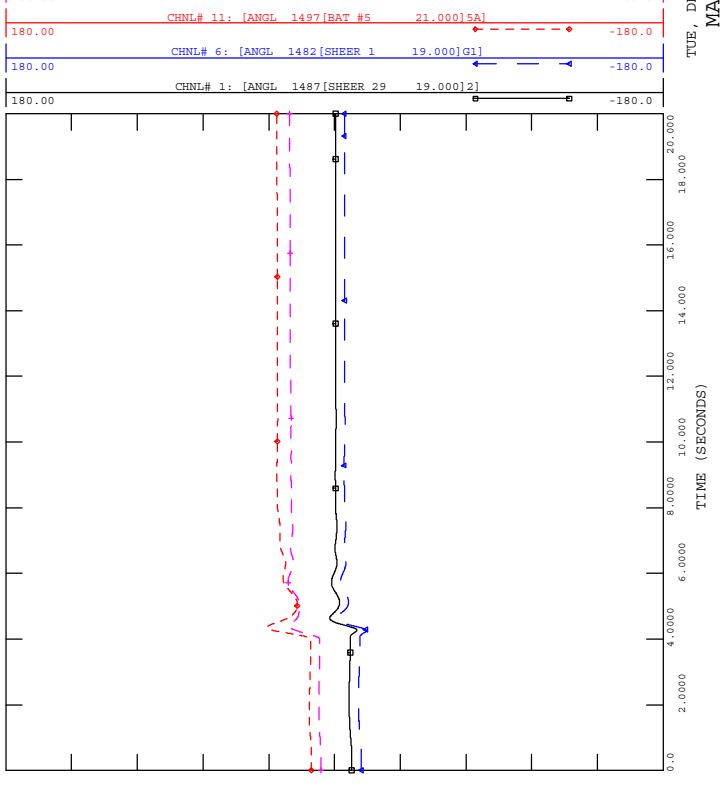


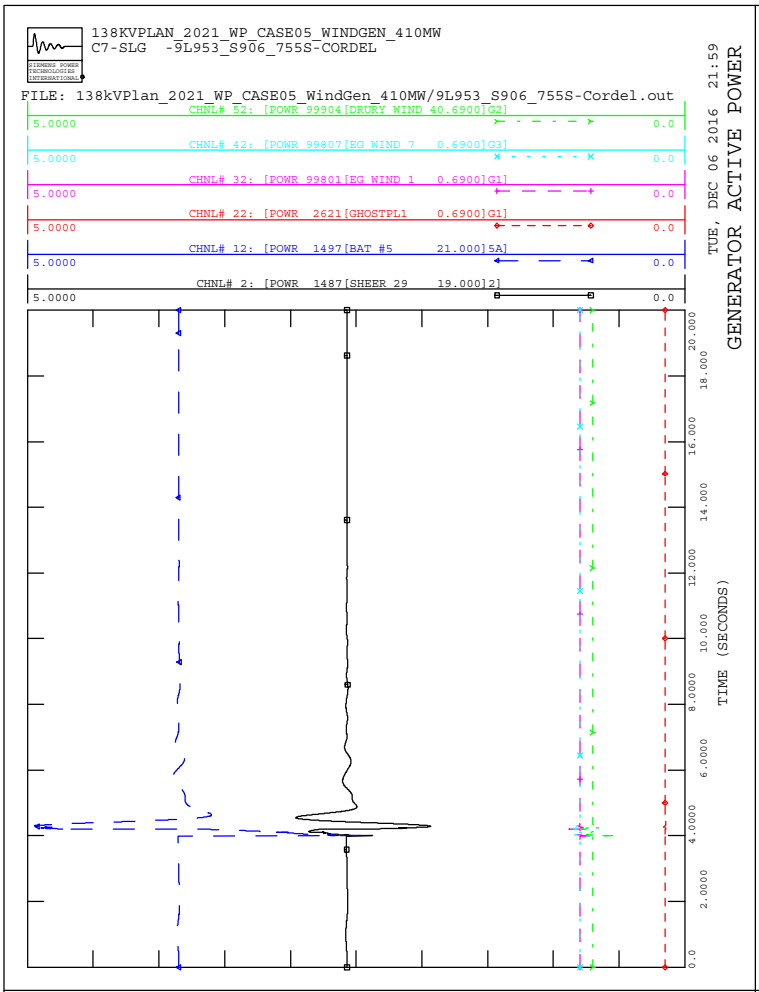
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S906_755S-Cordel.out

TUE, DEC 06 2016 21:59

MACHINE ANGLE

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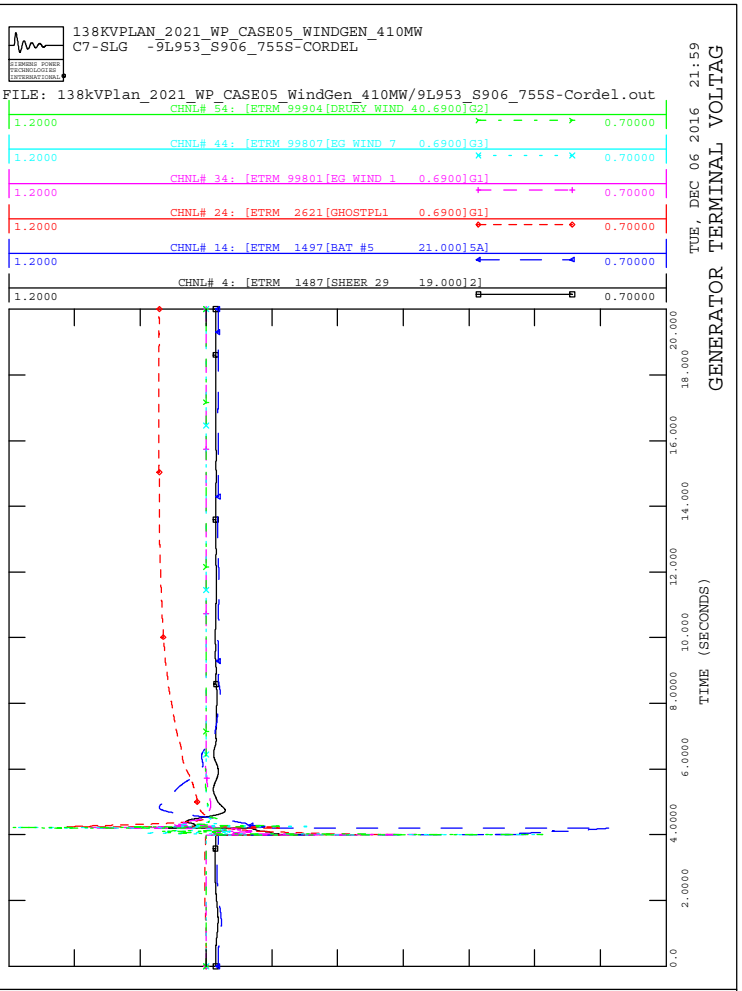
C7-SLG -9L953_S906_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S906_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S906_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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12.000
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18.000
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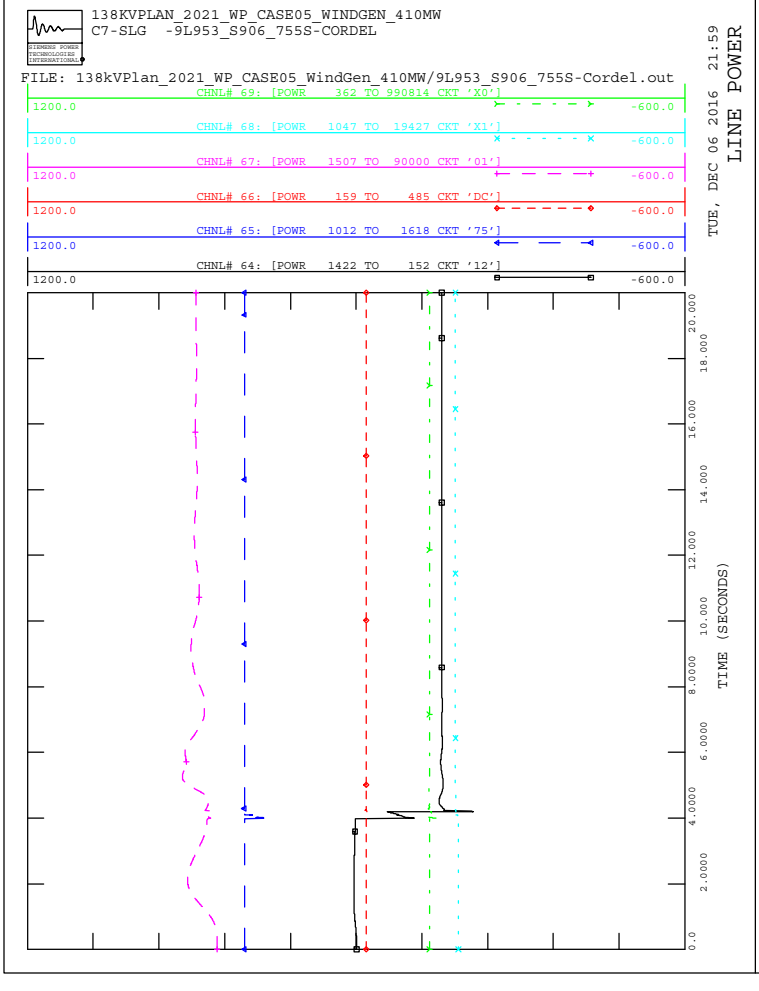
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S906_755S-Cordel.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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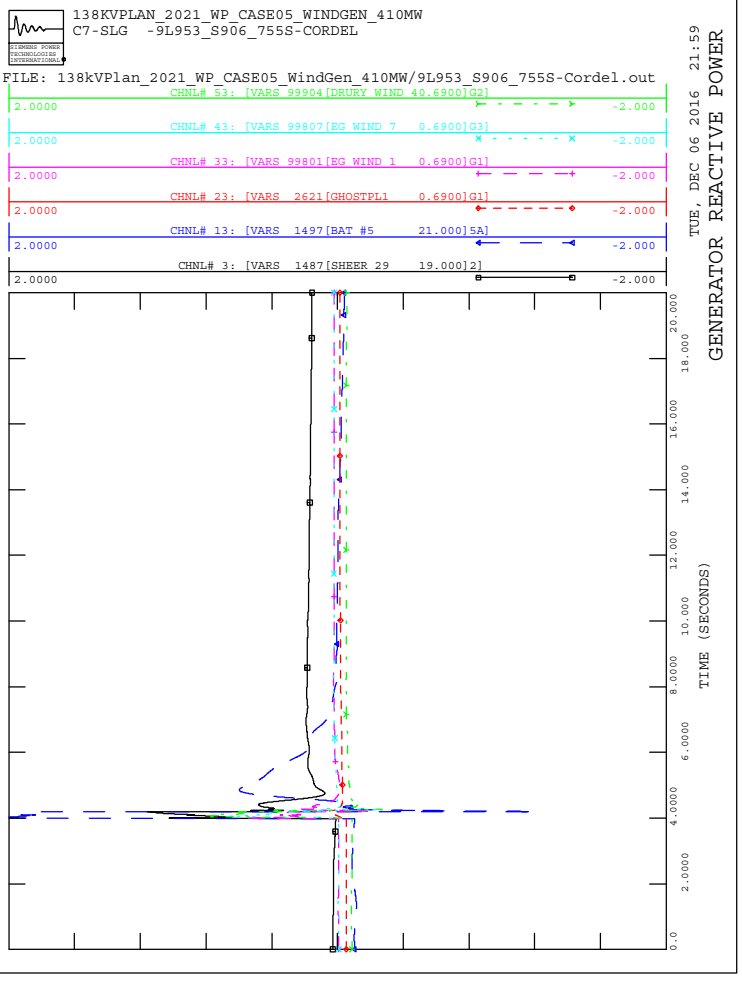
20.000
TUE, DEC 06 2016 21:59
LINE POWER

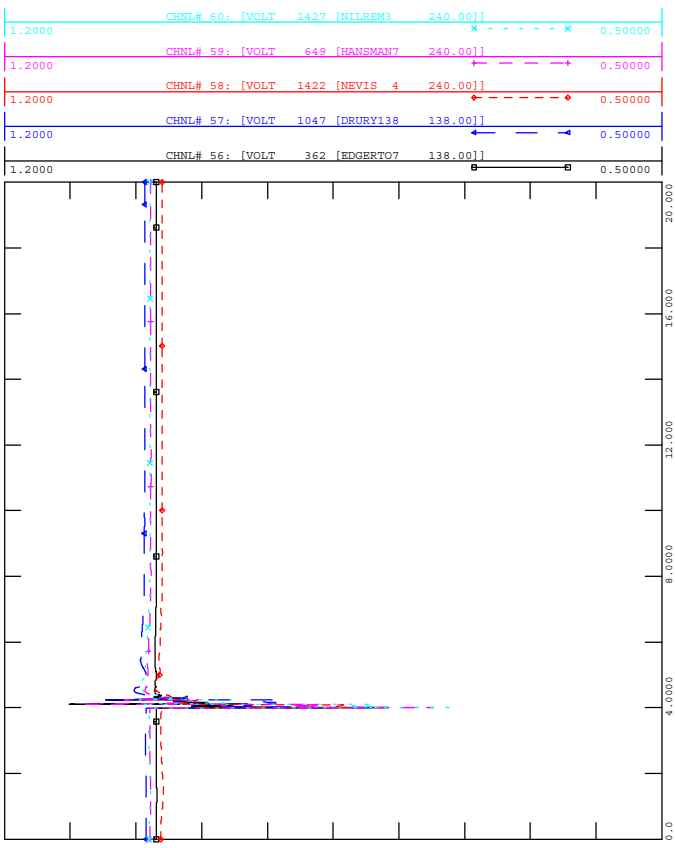

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L953_S906_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S912_757S-Battle River.

TUE, DEC 06 2016 21:59

BUS VOLTAGE

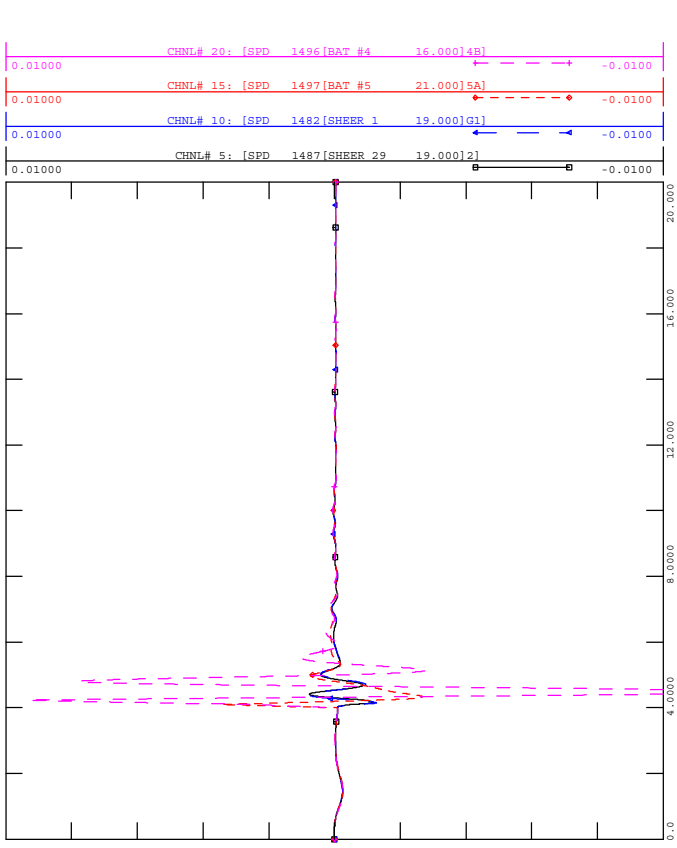


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S912_757S-Battle River.

TUE, DEC 06 2016 21:59

MACHINE SPEED



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C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S912_757S-Battle River.

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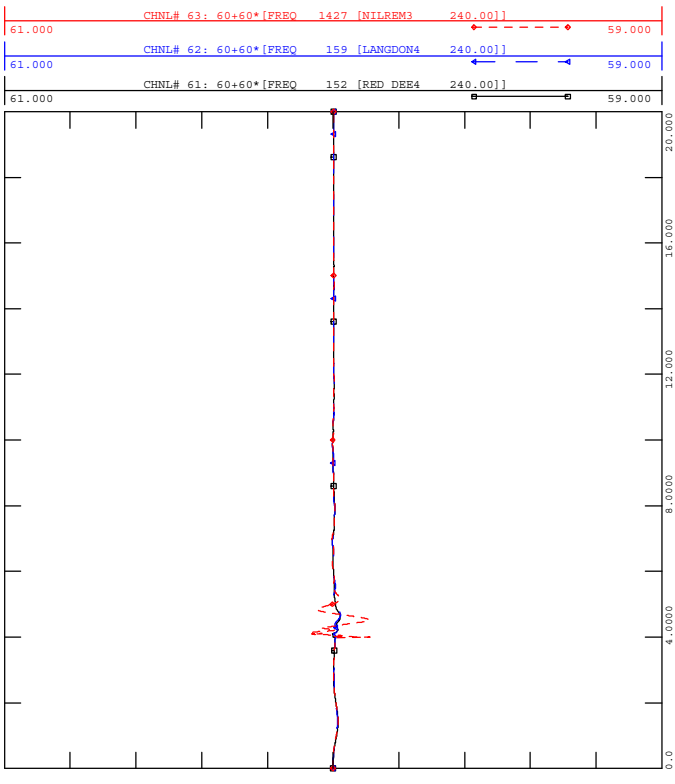
FREQUENCY

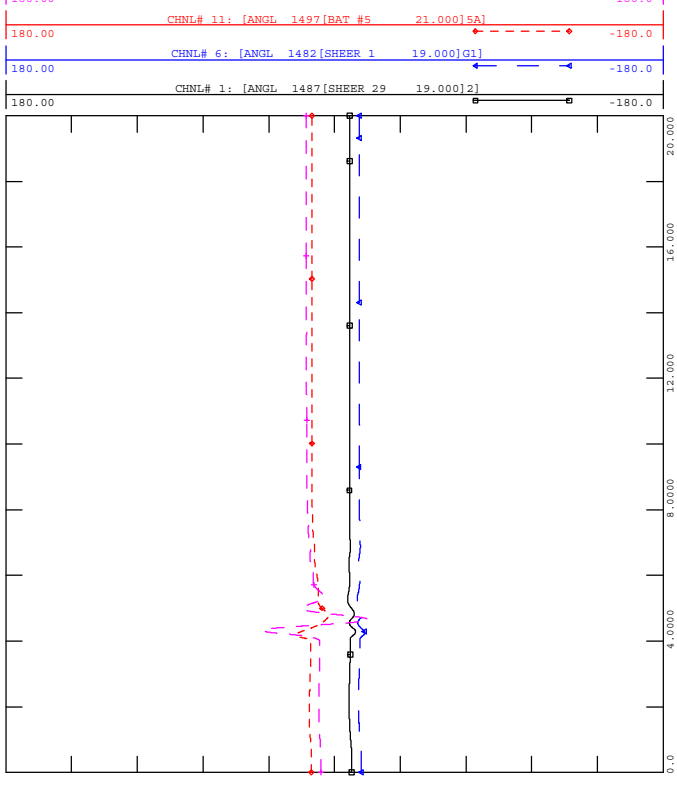


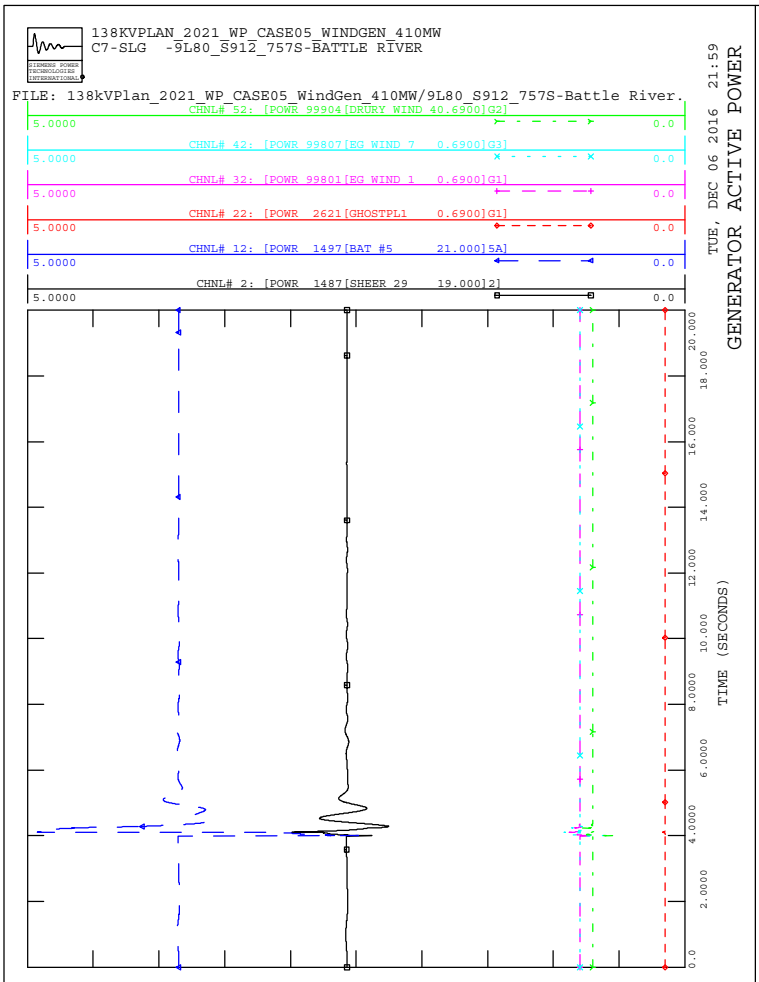
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S912_757S-Battle River.

TUE, DEC 06 2016 21:59

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S912_757S-Battle River.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
14.000
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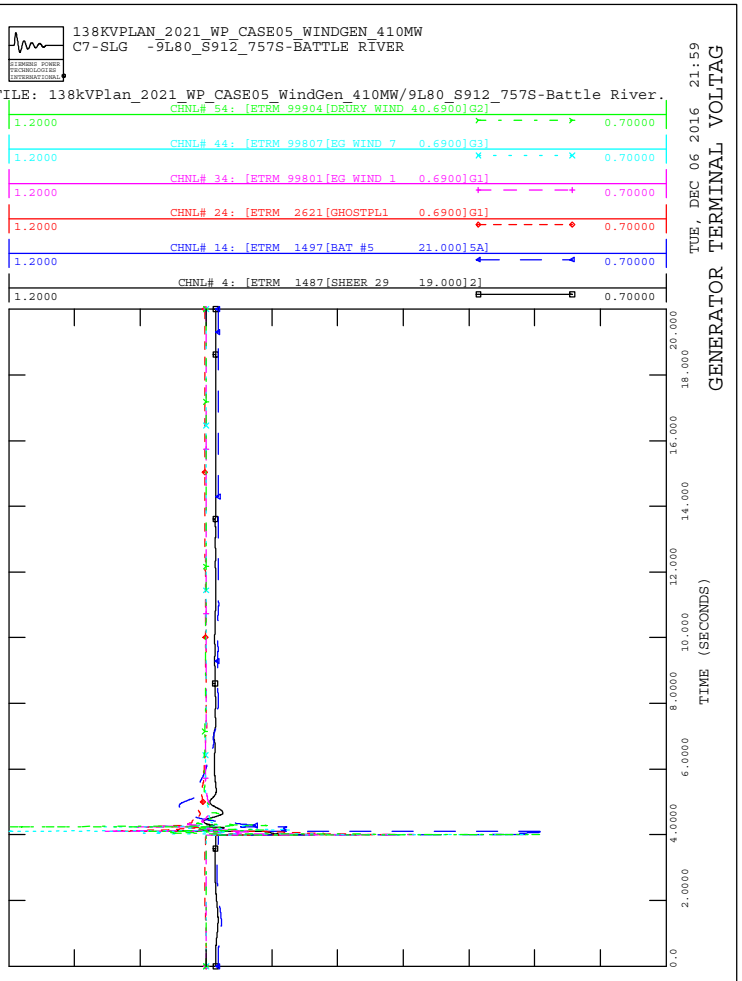
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S912_757S-Battle River.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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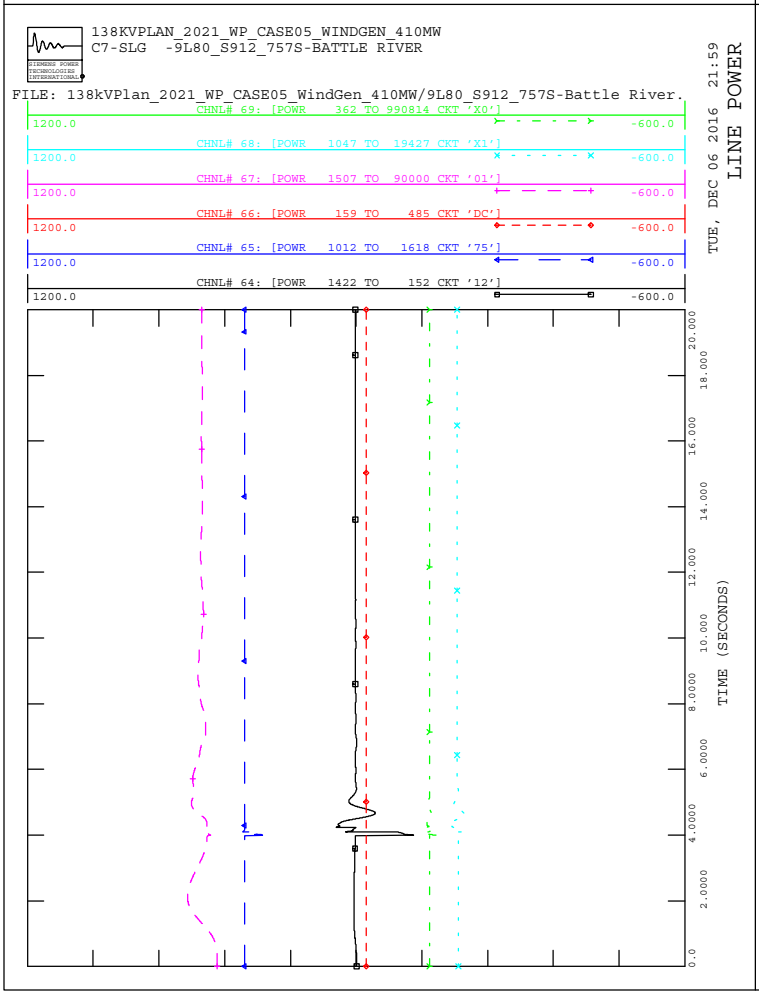
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S912_757S-Battle River.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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2.0000
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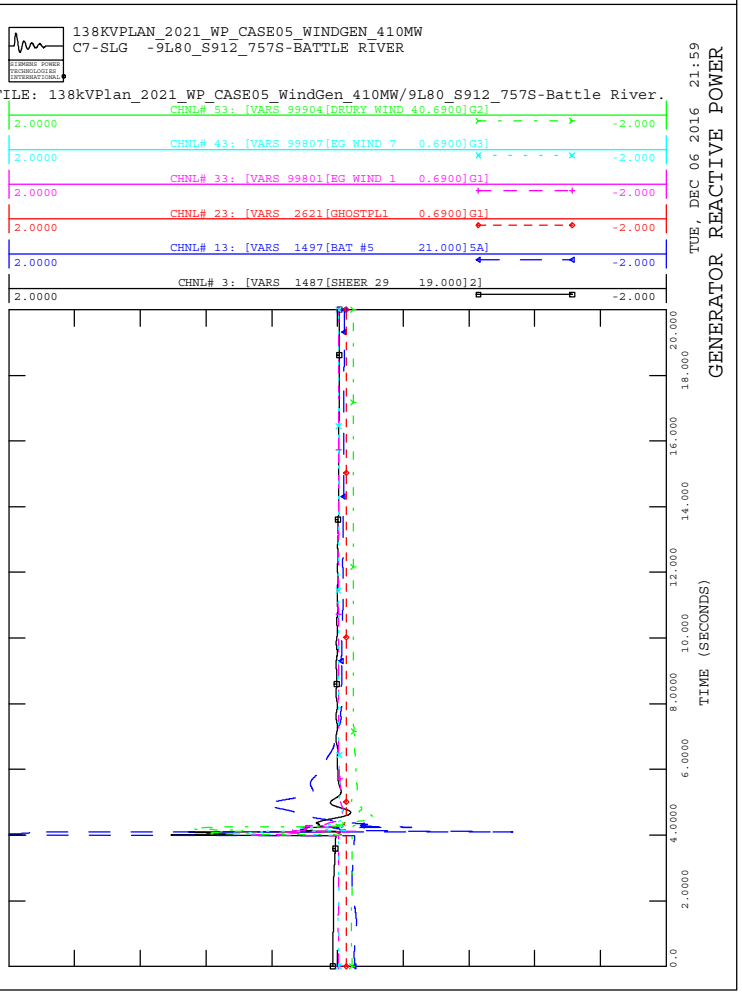
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L80_S912_757S-Battle River.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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18.000
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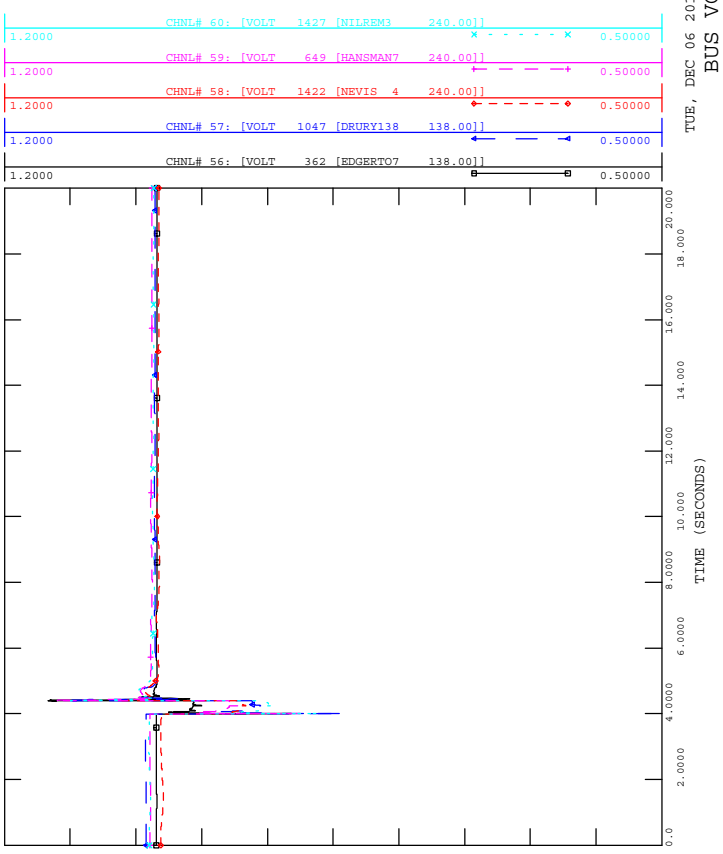
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S707_757S-Battle River.

TUE, DEC 06 2016 21:59

BUS VOLTAGE

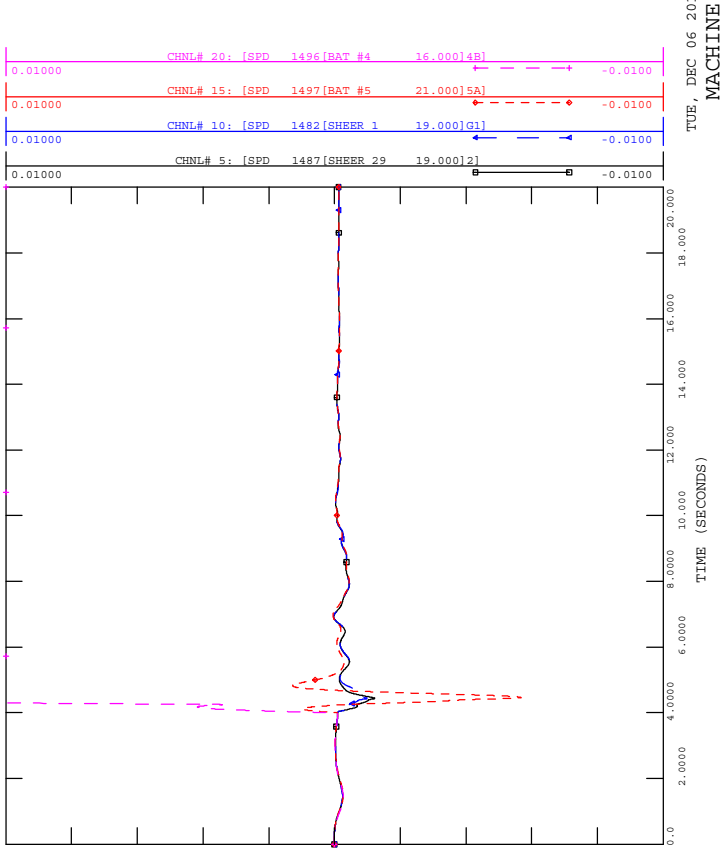


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S707_757S-Battle River.

TUE, DEC 06 2016 21:59

MACHINE SPEED

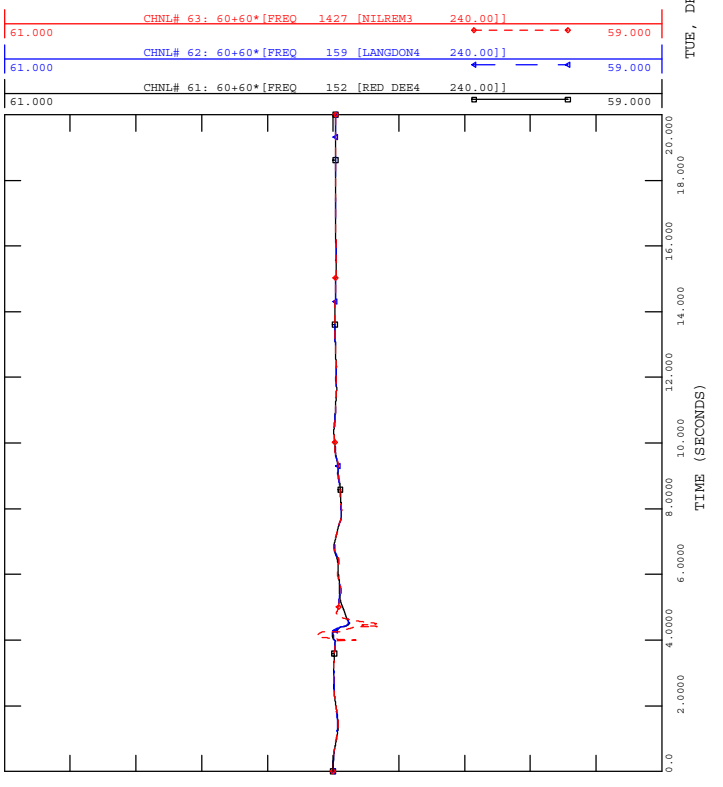


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S707_757S-Battle River.

TUE, DEC 06 2016 21:59

FREQUENCY

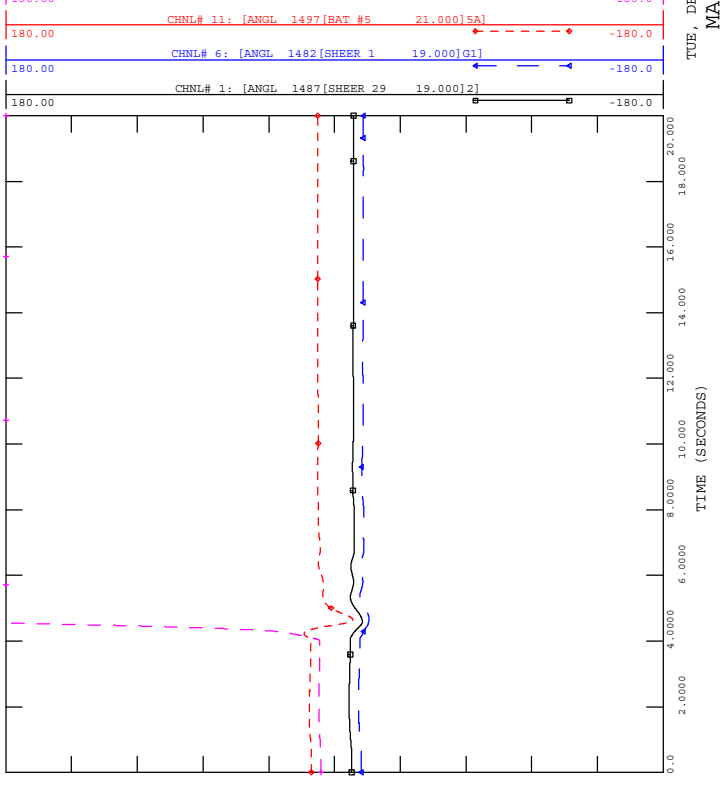


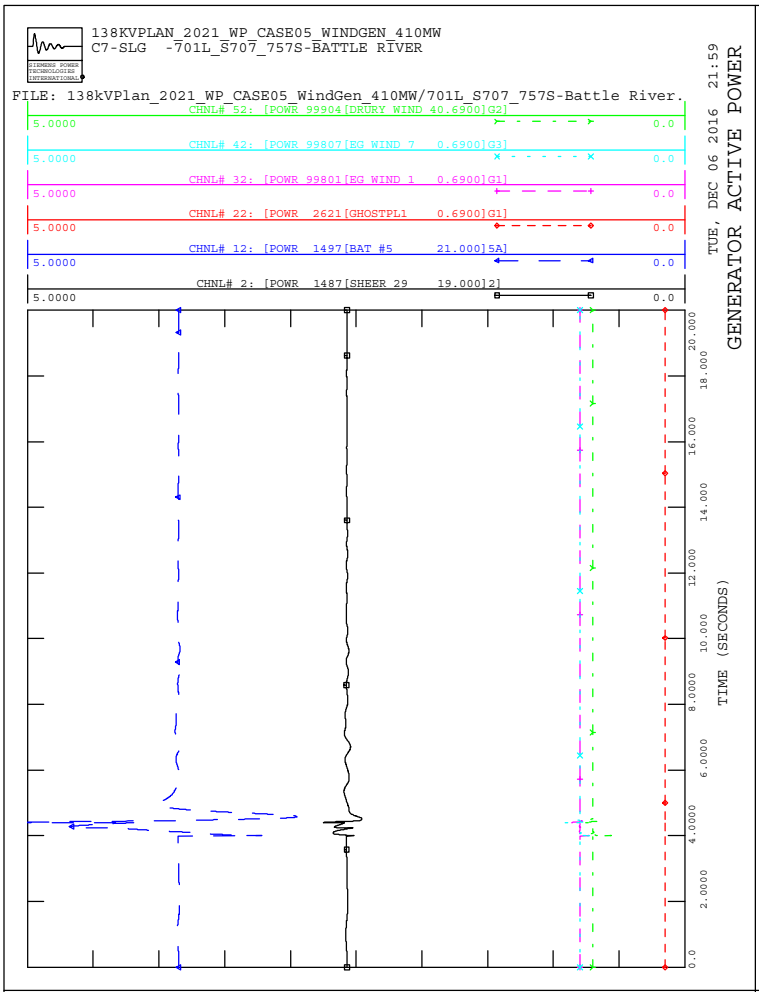
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER

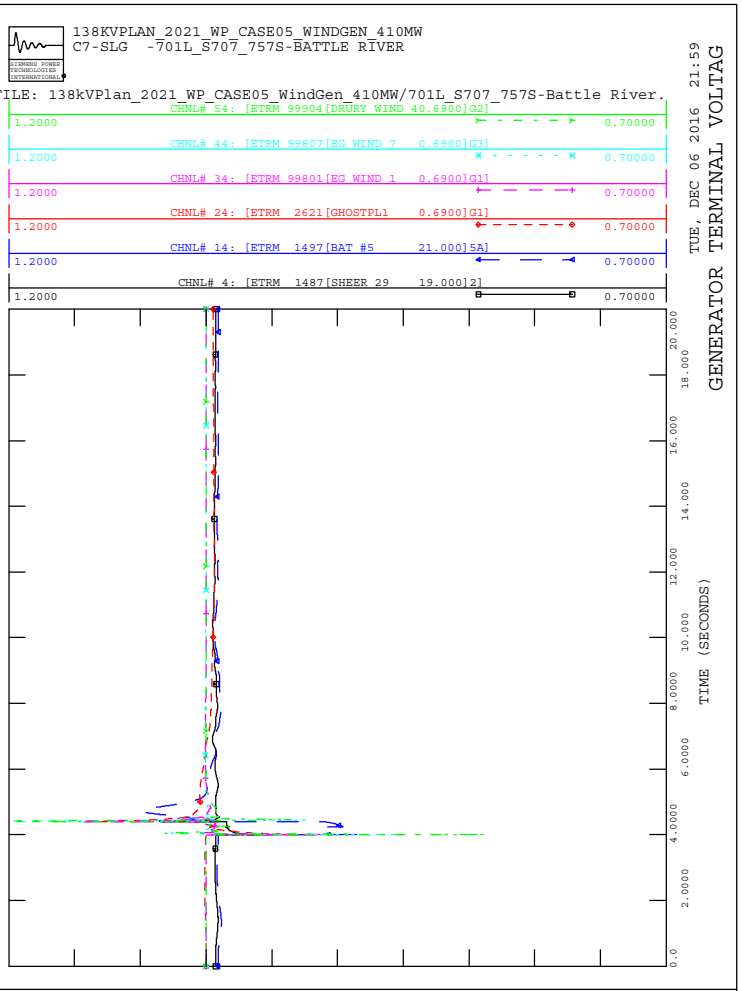
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S707_757S-Battle River.

TUE, DEC 06 2016 21:59

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S707_757S-Battle River.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S707_757S-Battle River.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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14.000
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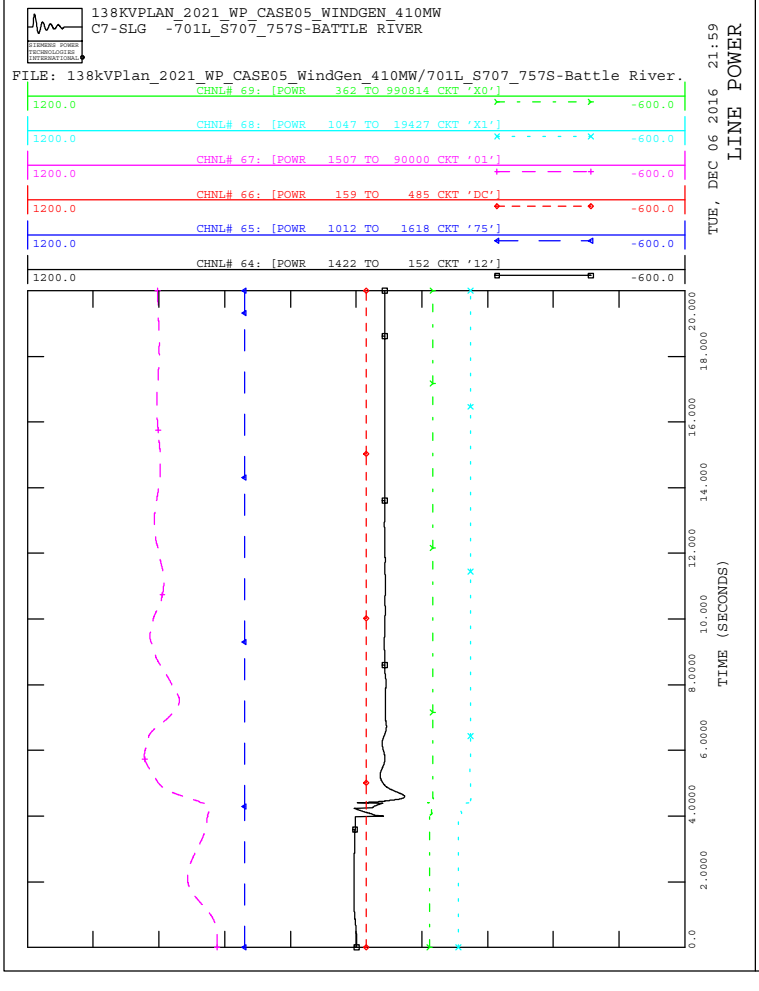
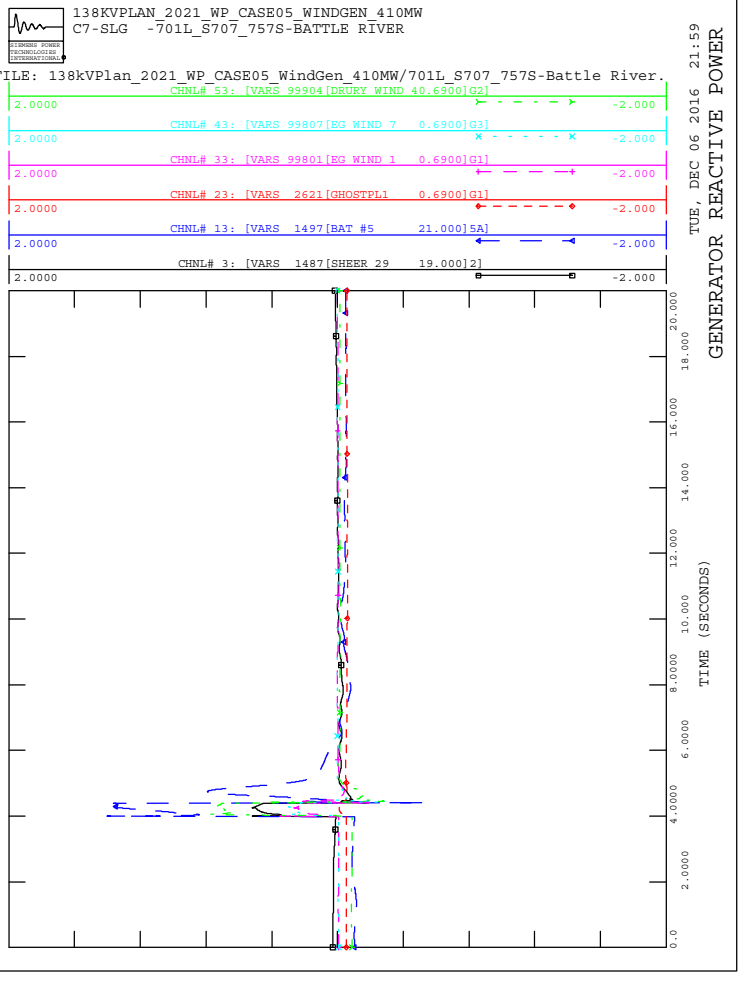

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S707_757S-Battle River.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S707_757S-Battle River.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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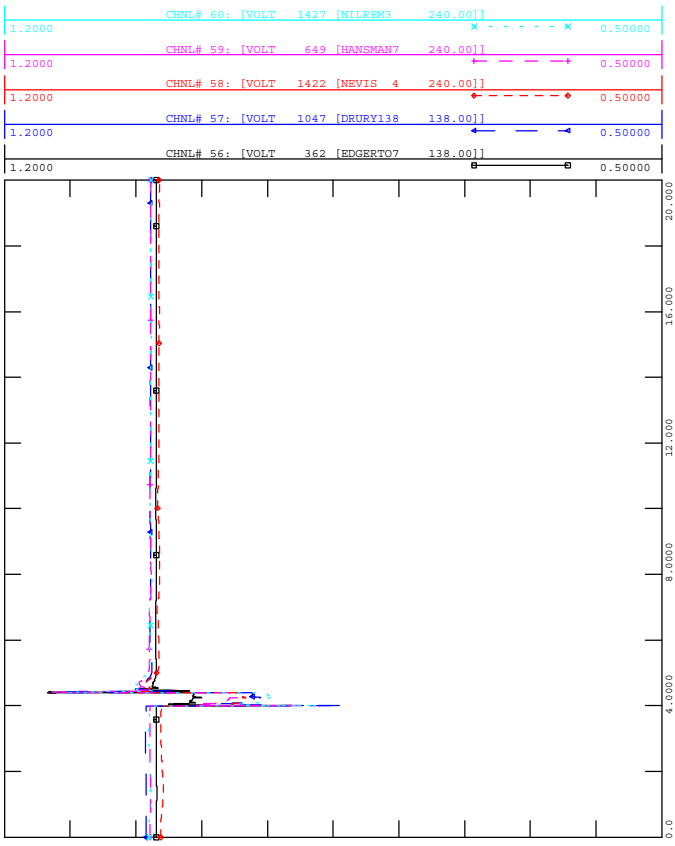
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_S708_757S-Battle River.

TUE, DEC 06 2016 21:59

BUS VOLTAGE

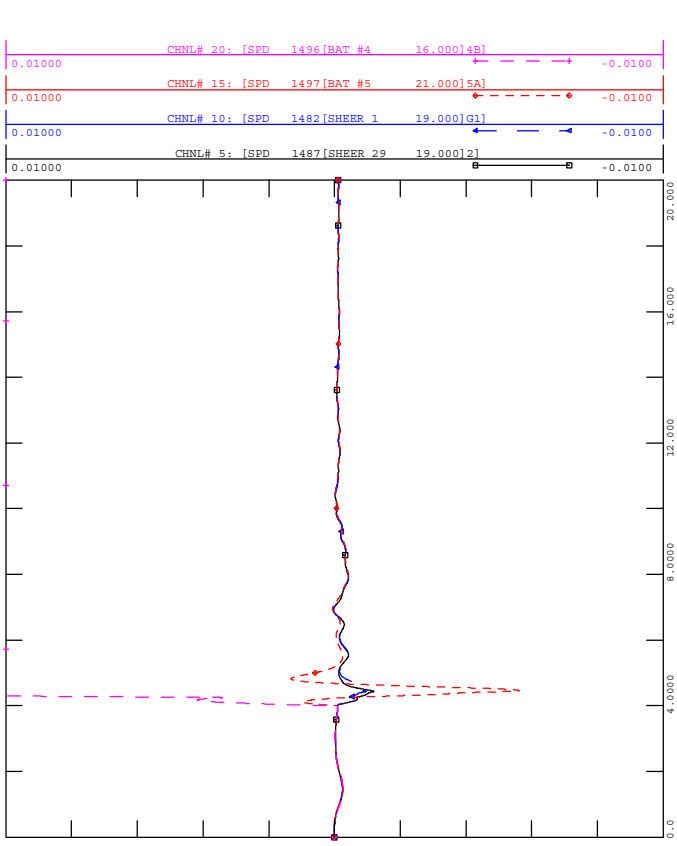


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_S708_757S-Battle River.

TUE, DEC 06 2016 21:59

MACHINE SPEED

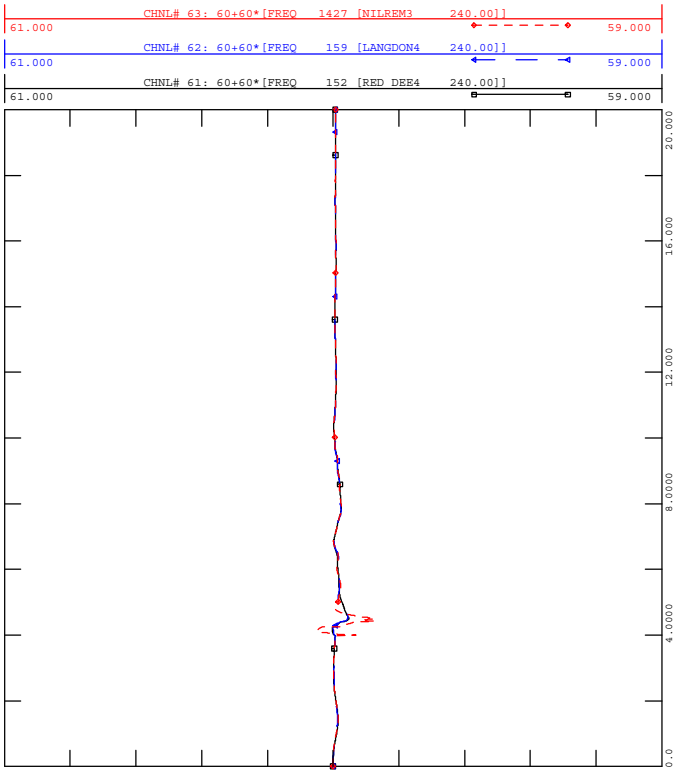


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_S708_757S-Battle River.

TUE, DEC 06 2016 21:59

FREQUENCY



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER

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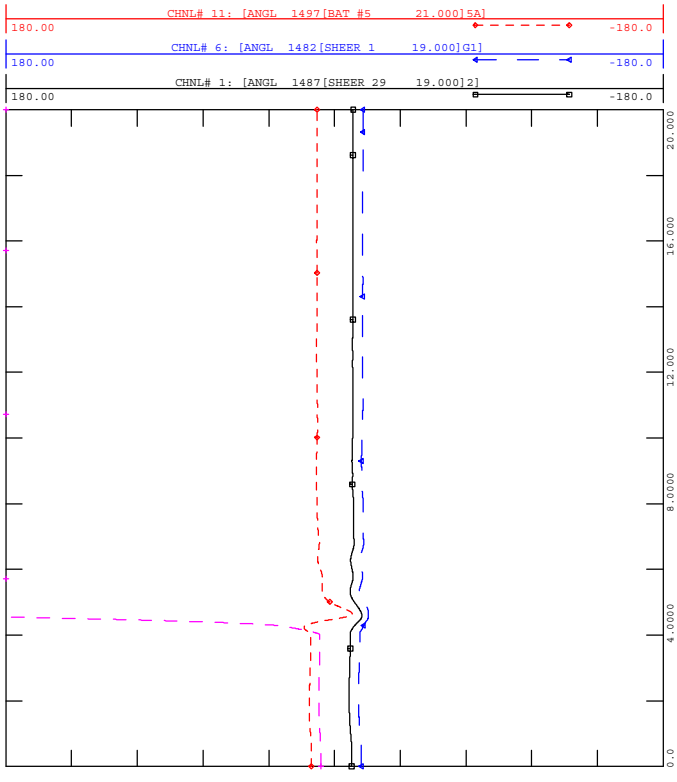
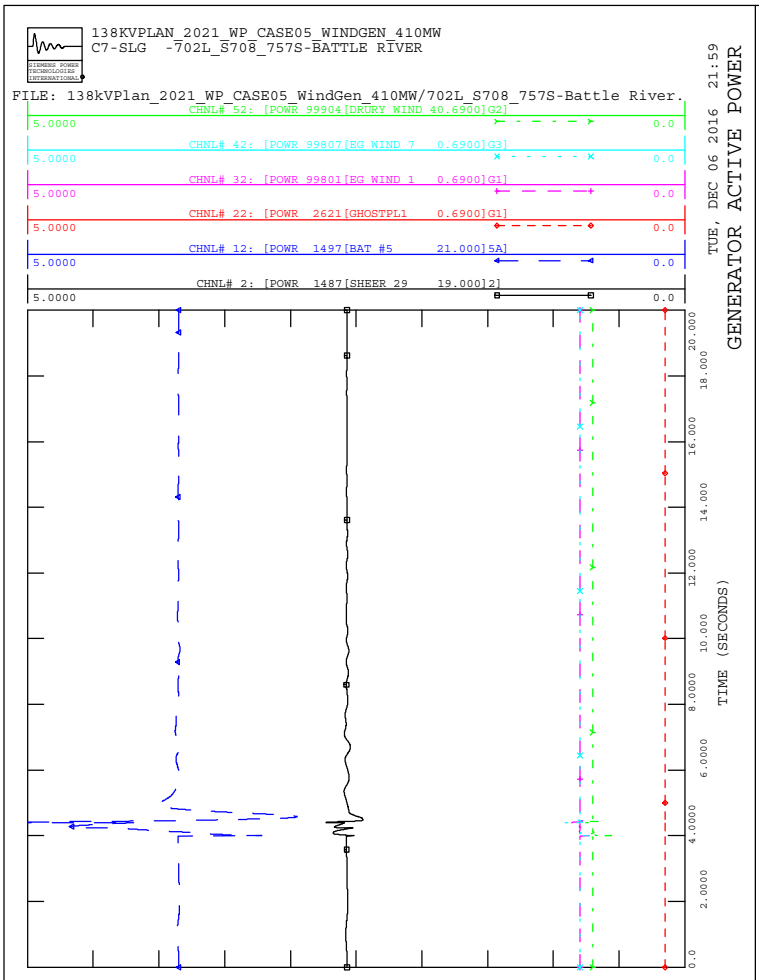
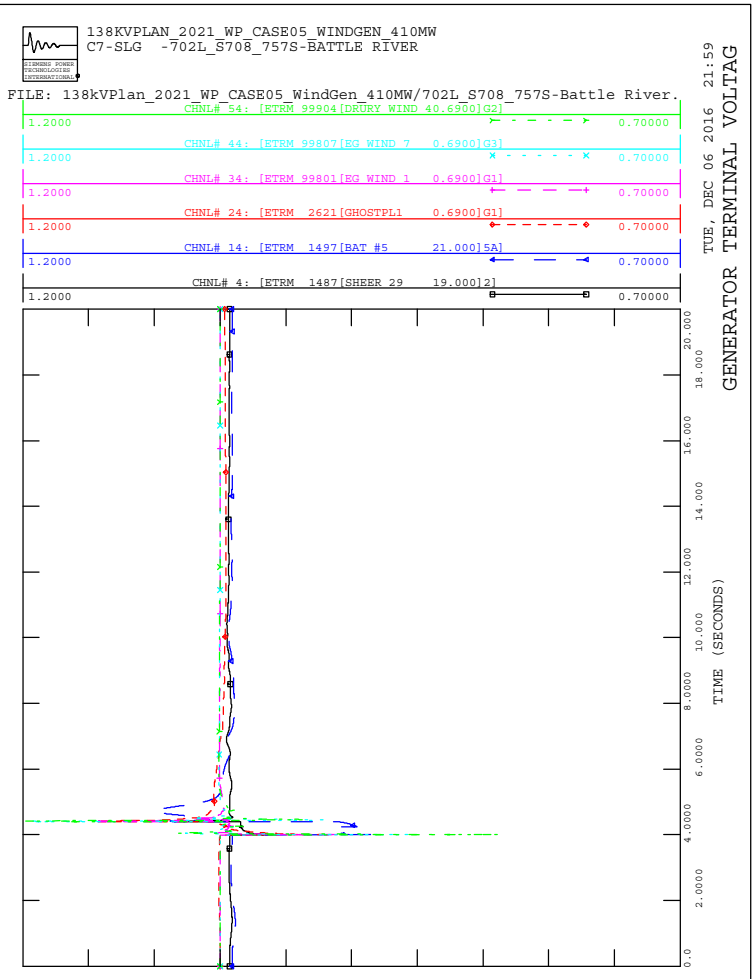
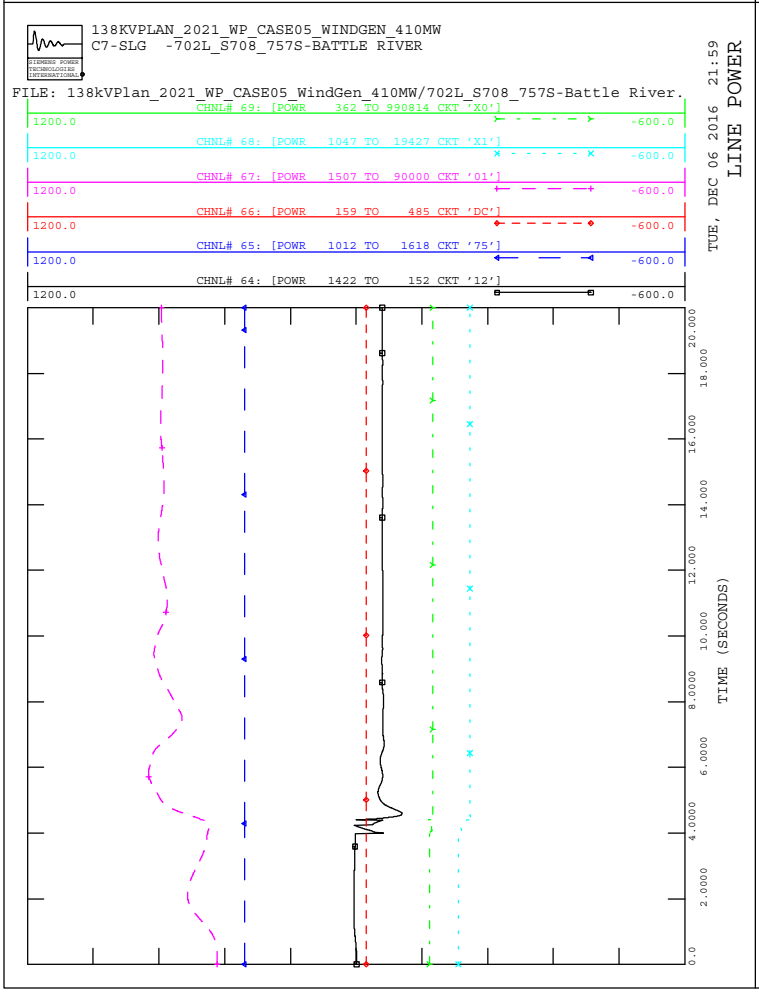
TUE, DEC 06 2016 21:59

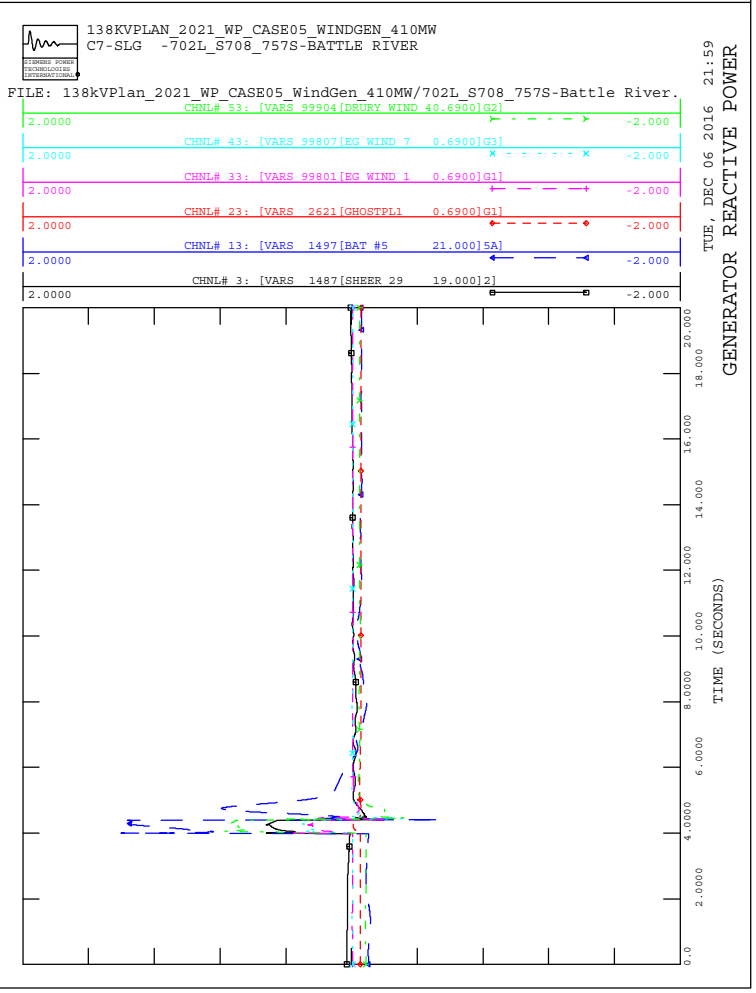
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_S708_757S-Battle River.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_S708_757S-Battle River.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_S708_757S-Battle River.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)

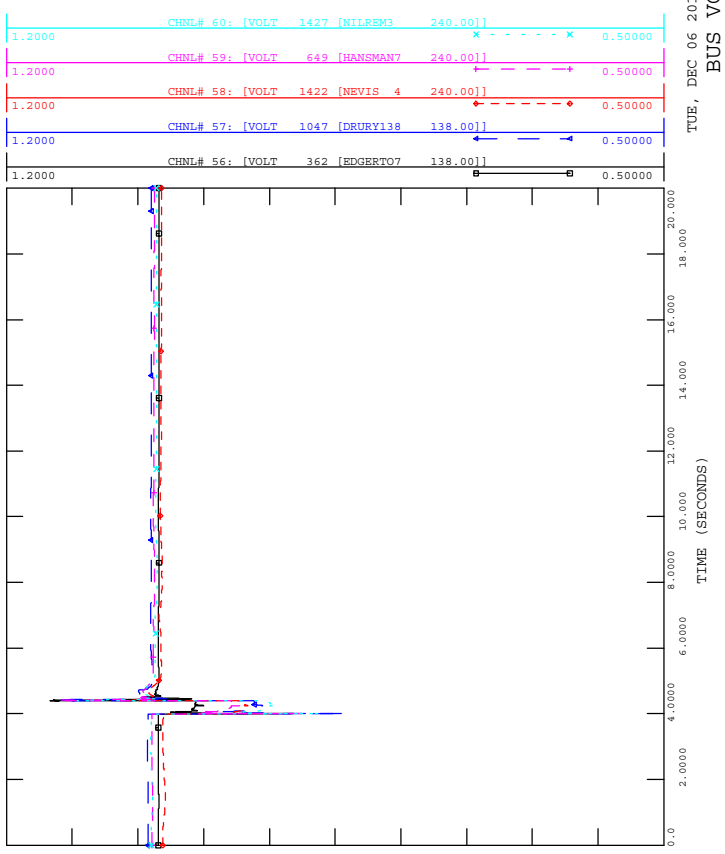

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -702L_S708_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/702L_S708_757S-Battle River.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_S709_757S-Battle River.

TUE, DEC 06 2016 21:59

BUS VOLTAGE

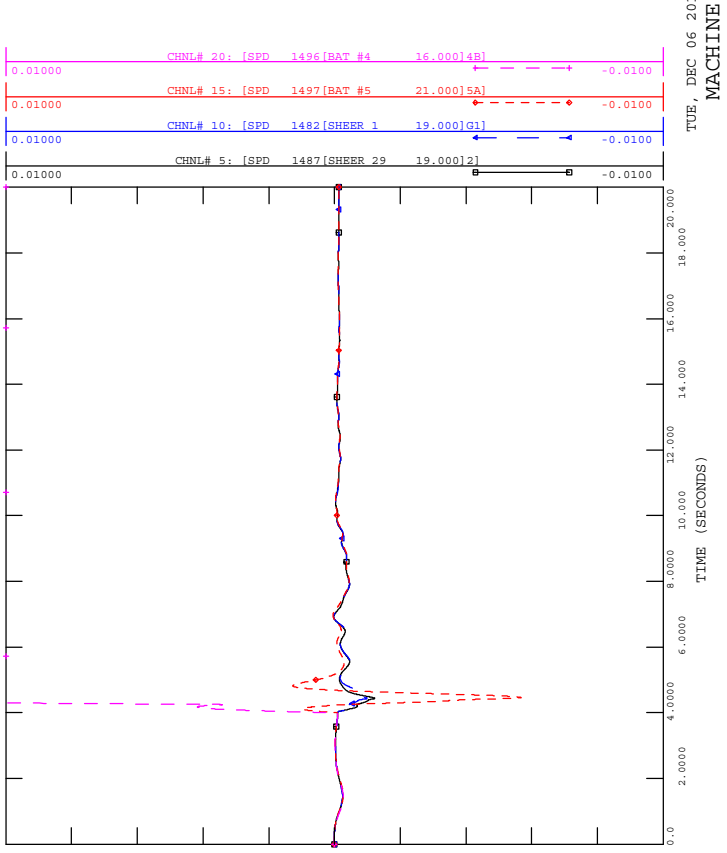


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_S709_757S-Battle River.

TUE, DEC 06 2016 21:59

MACHINE SPEED

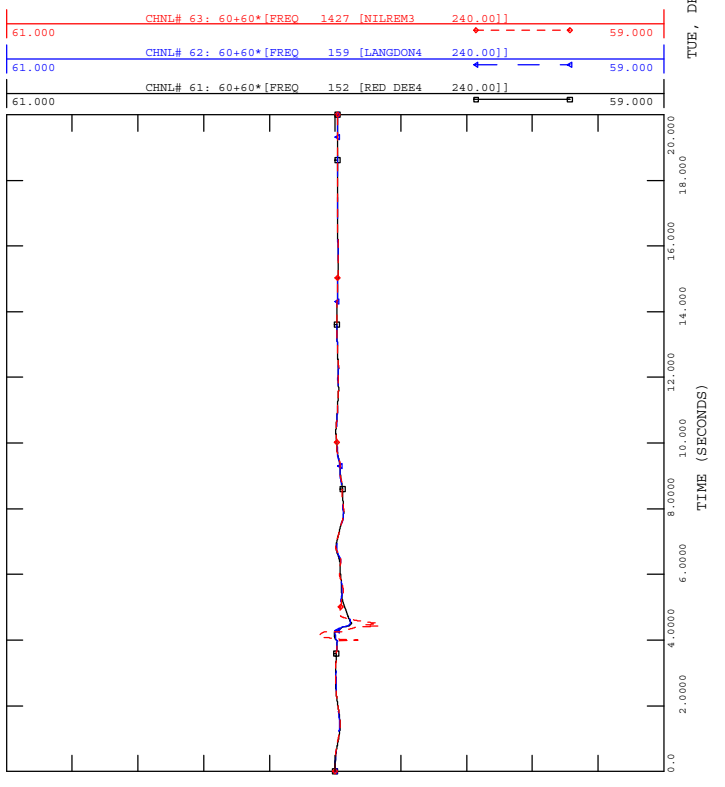


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_S709_757S-Battle River.

TUE, DEC 06 2016 21:59

FREQUENCY

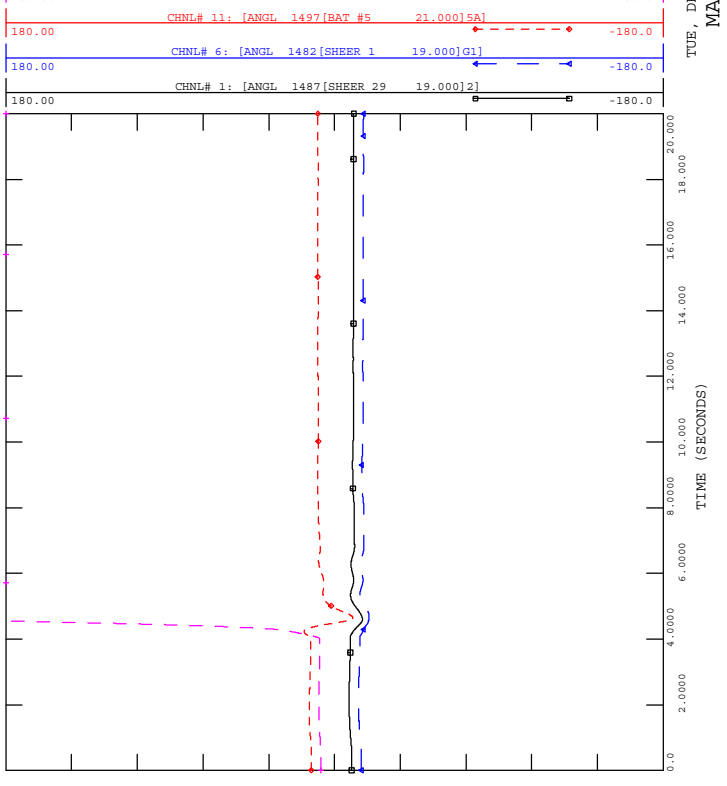


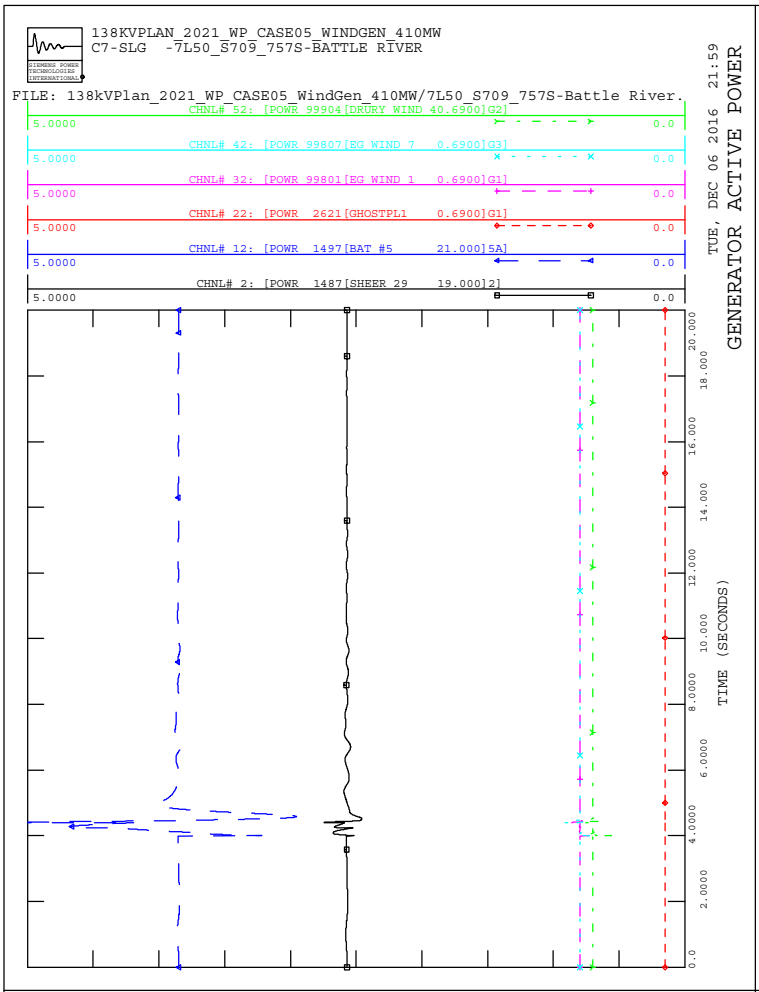
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_S709_757S-Battle River.

TUE, DEC 06 2016 21:59

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_S709_757S-Battle River.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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4.0000
6.0000
8.0000
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12.000
14.000
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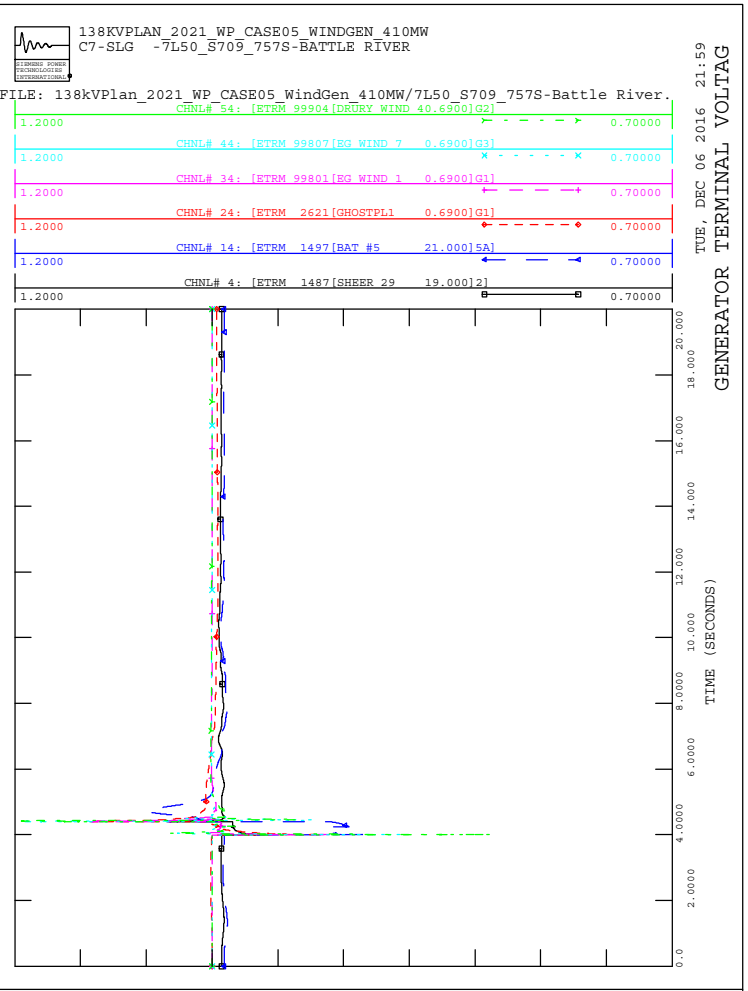
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_S709_757S-Battle River.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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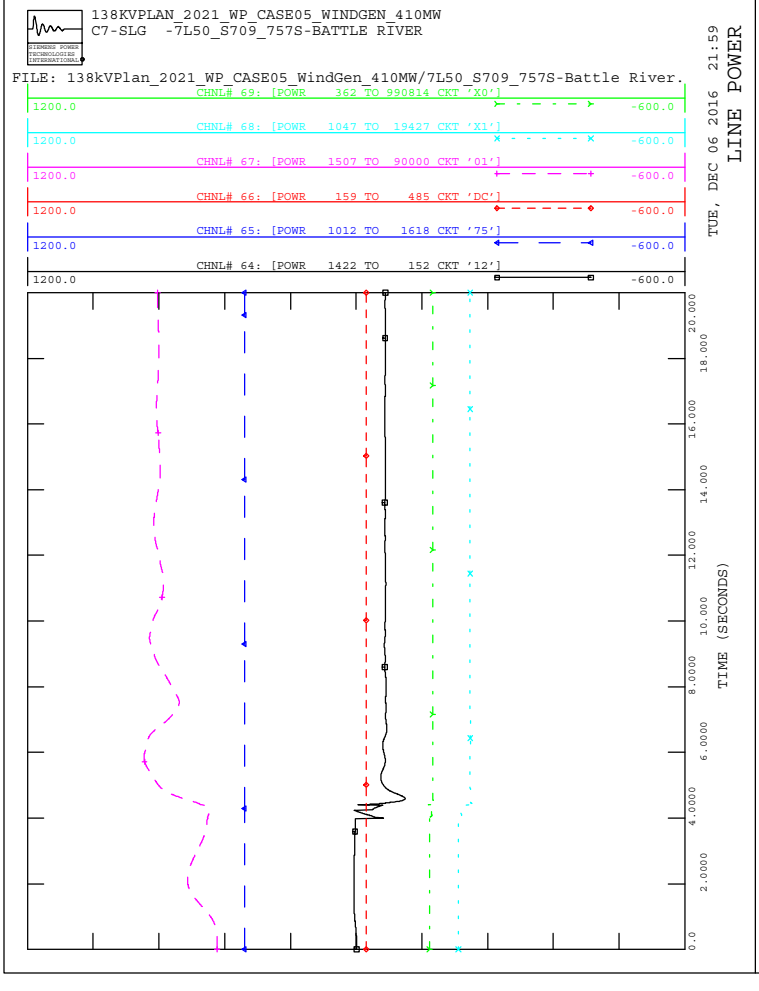
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L50_S709_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_S709_757S-Battle River.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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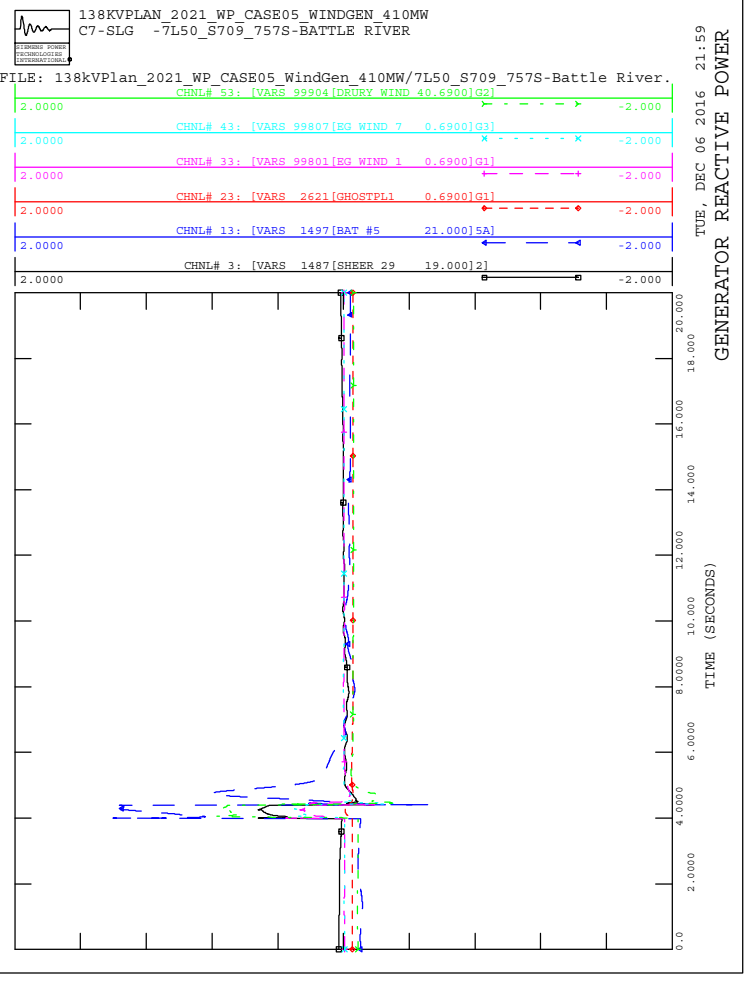
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C7-SLG -7L50_S709_757S-BATTLE RIVER
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L50_S709_757S-Battle River.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
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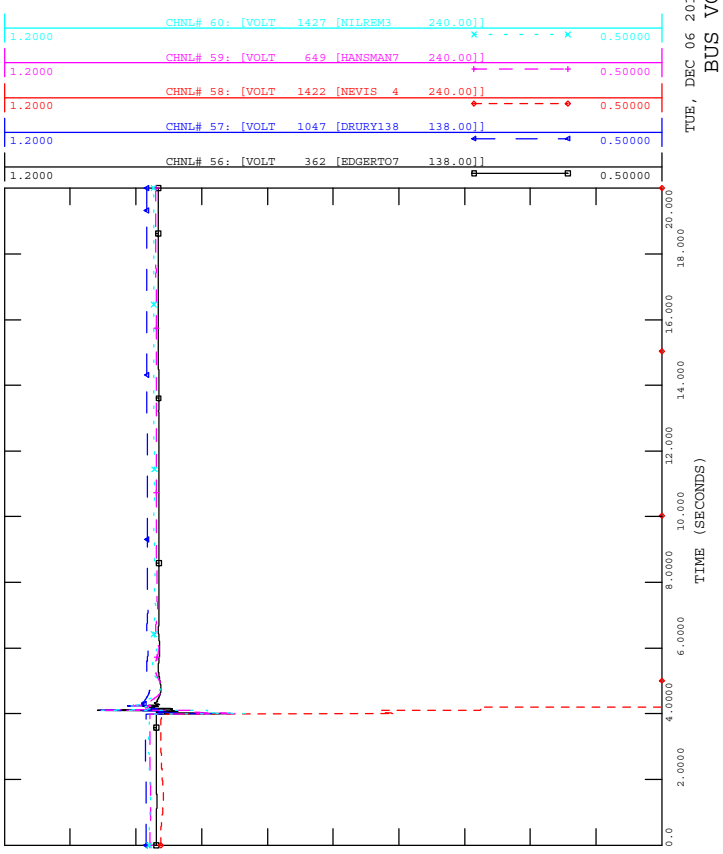
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_766S-Nevis.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE



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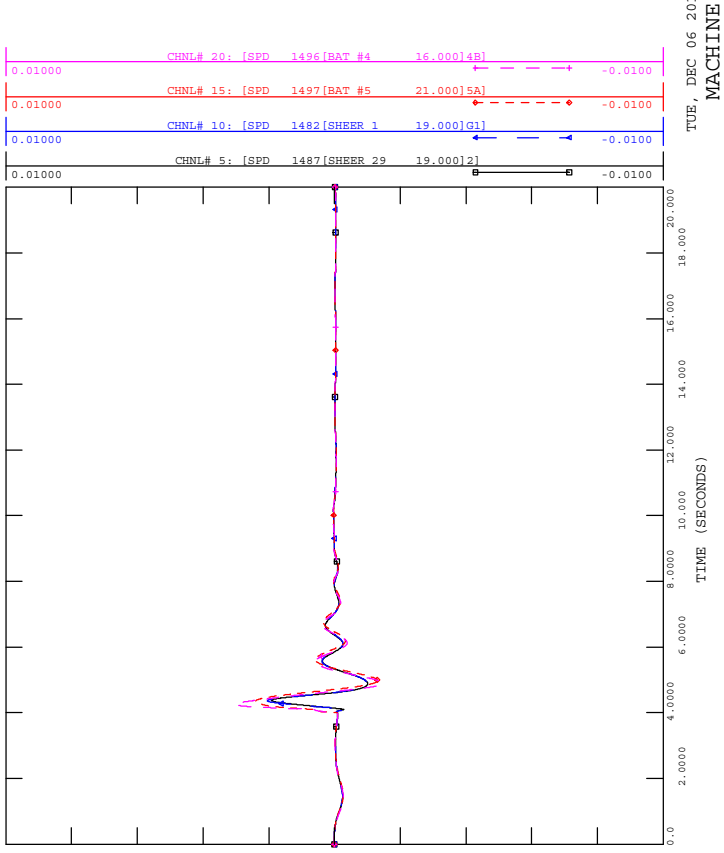
C7-SLG -9L20_S901_766S-NEVIS

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_766S-Nevis.out

TUE, DEC 06 2016 21:59

MACHINE SPEED



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C7-SLG -9L20_S901_766S-NEVIS

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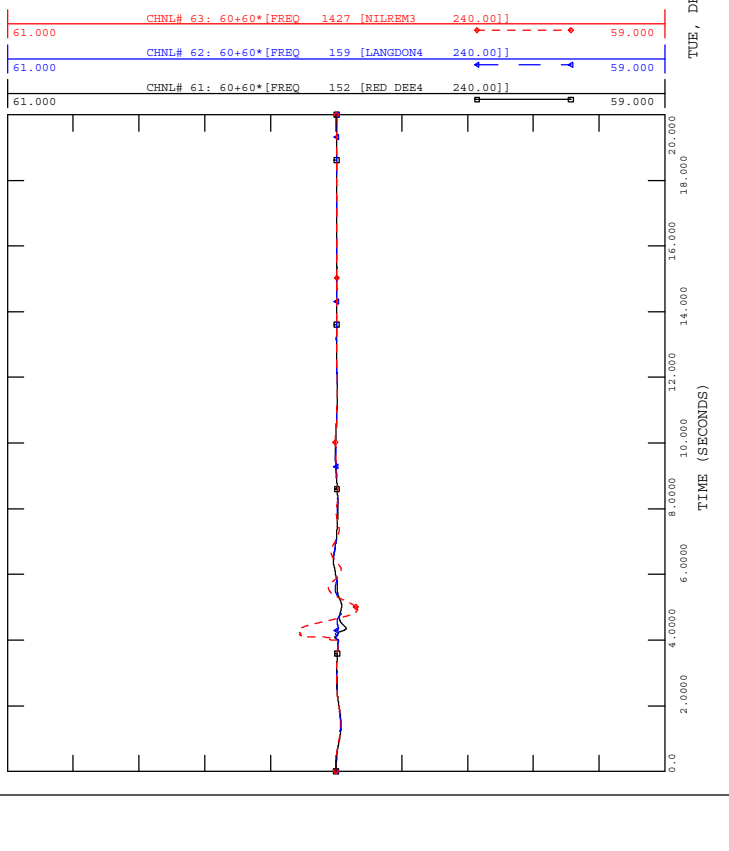
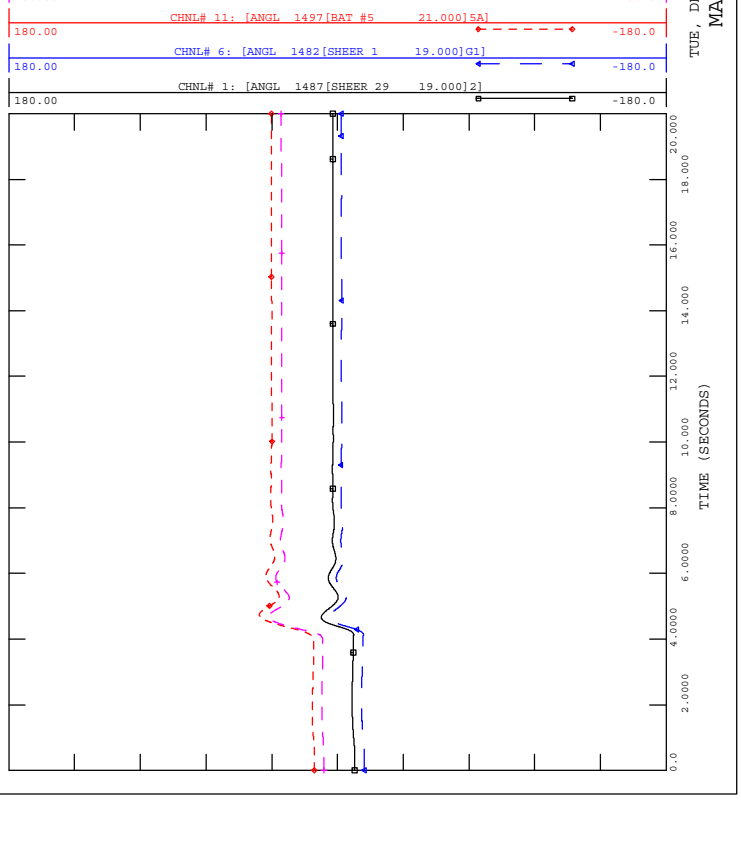


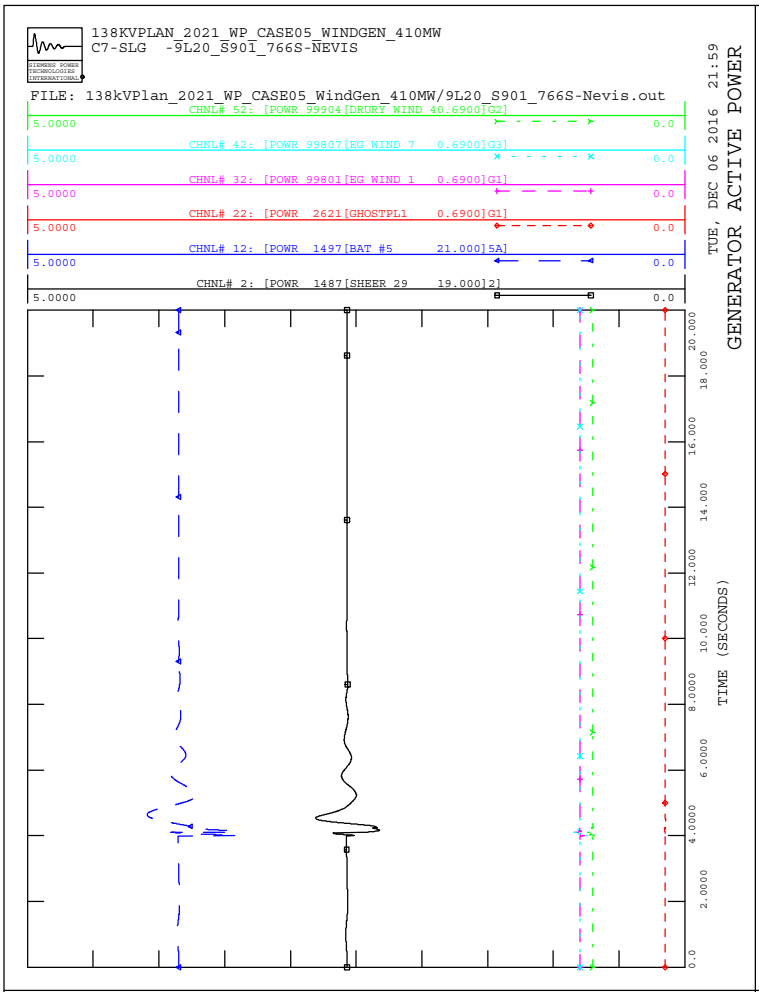
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_766S-Nevis.out

TUE, DEC 06 2016 21:59

MACHINE ANGLE

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C7-SLG -9L20_S901_766S-NEVIS
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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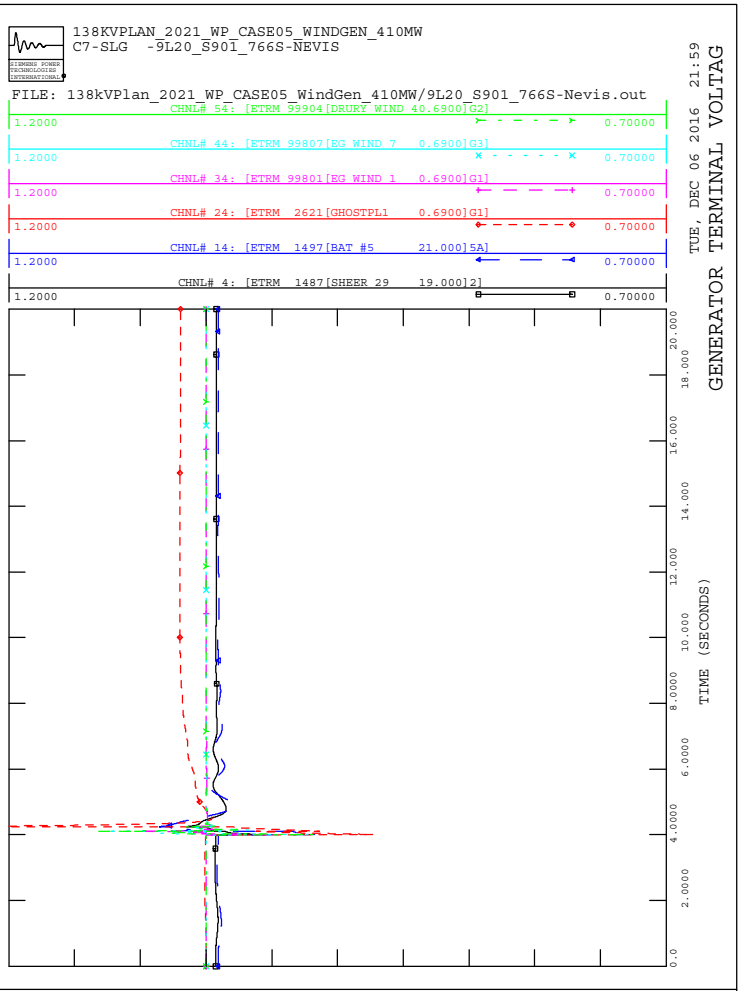
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S901_766S-NEVIS
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_766S-Nevis.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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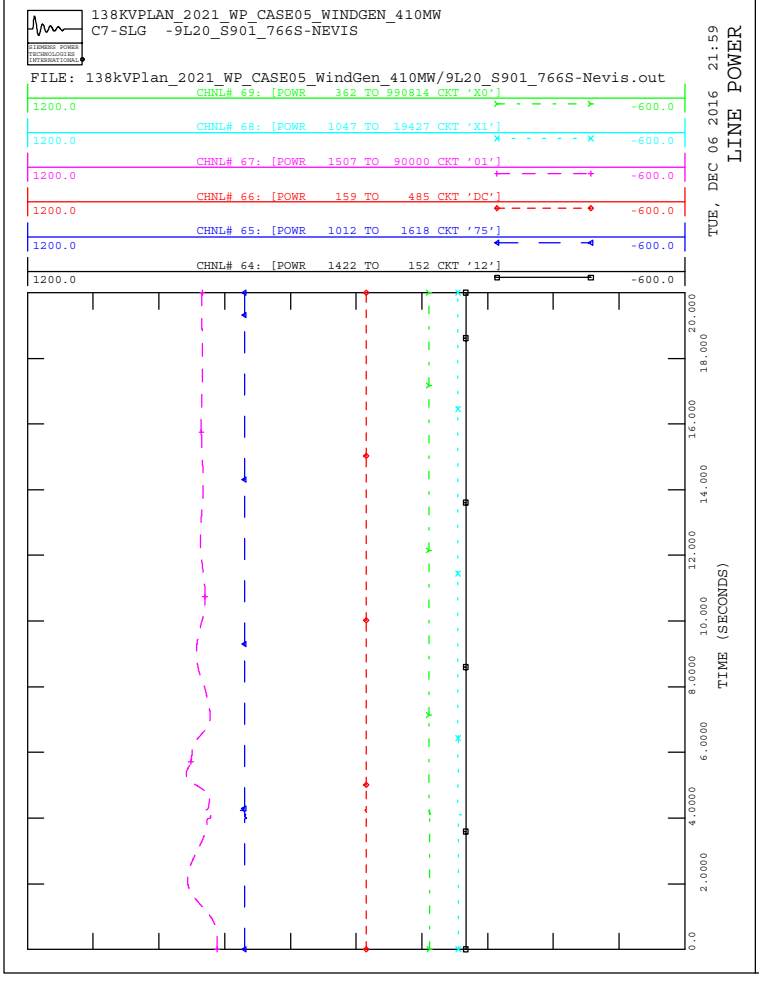
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L20_S901_766S-NEVIS
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_766S-Nevis.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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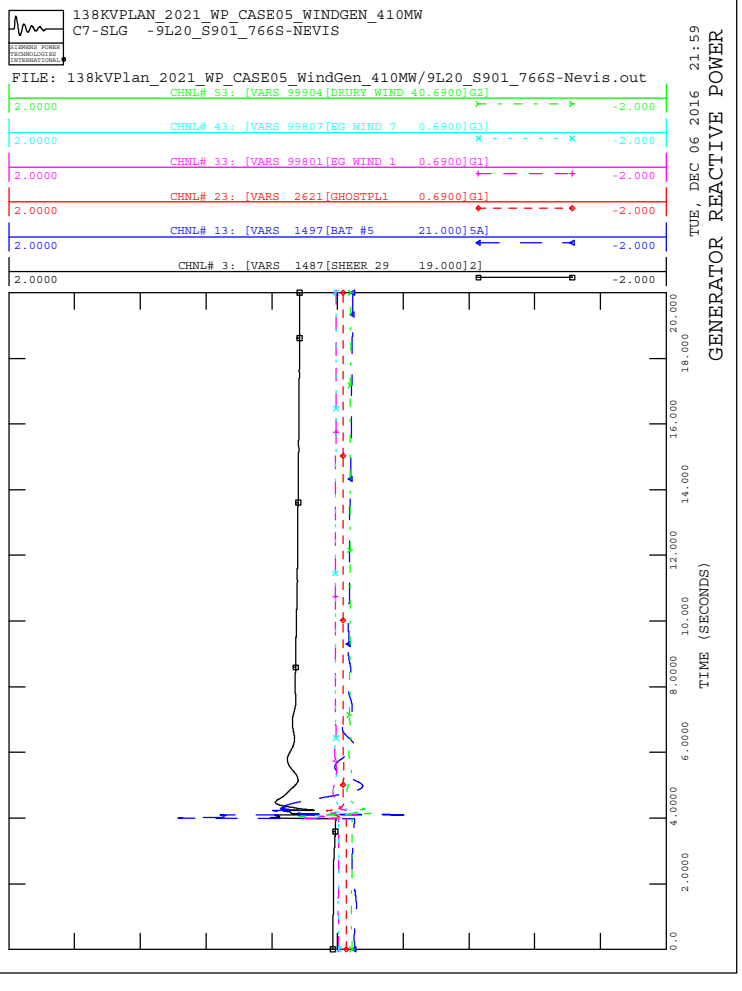
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C7-SLG -9L20_S901_766S-NEVIS
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L20_S901_766S-Nevis.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
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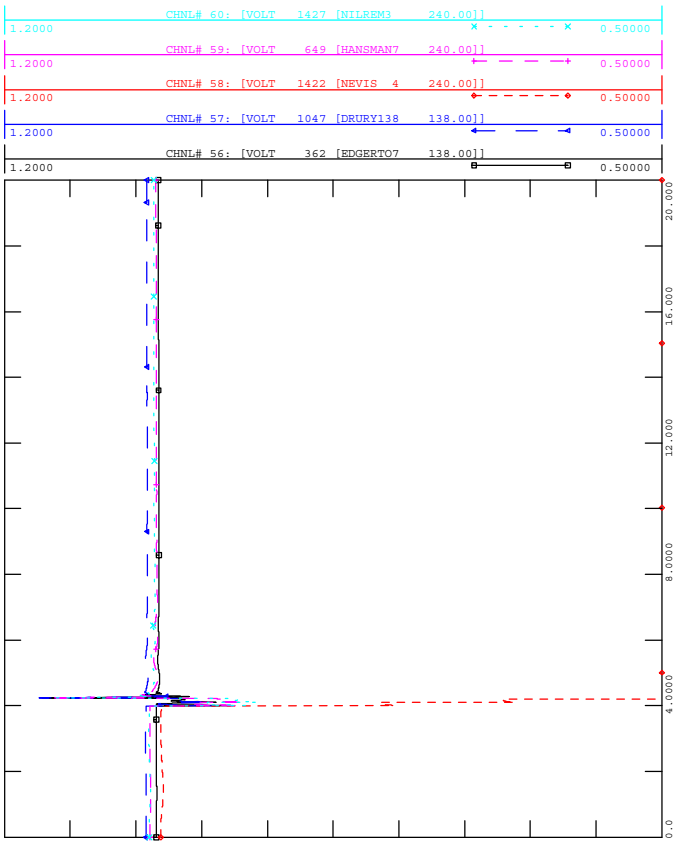
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L912_S902_766S-Nevis.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

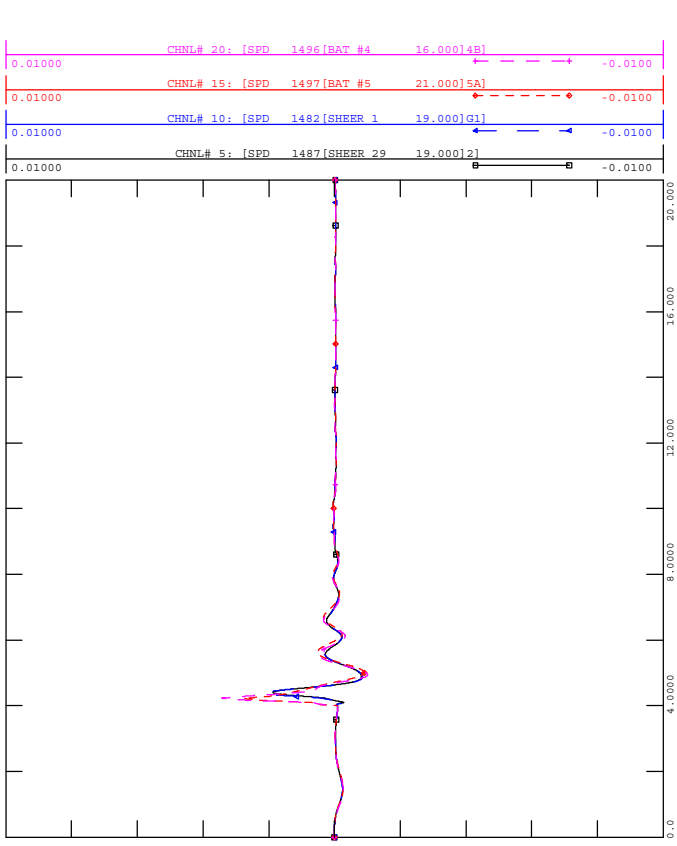


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L912_S902_766S-Nevis.out

TUE, DEC 06 2016 21:59

MACHINE SPEED

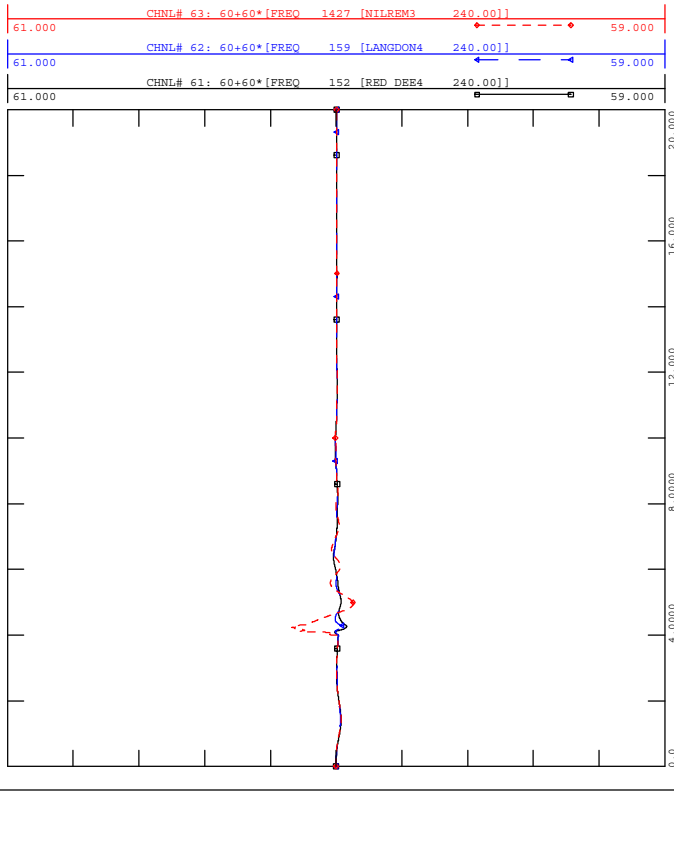


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L912_S902_766S-Nevis.out

TUE, DEC 06 2016 21:59

FREQUENCY



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L912_S902_766S-Nevis.out

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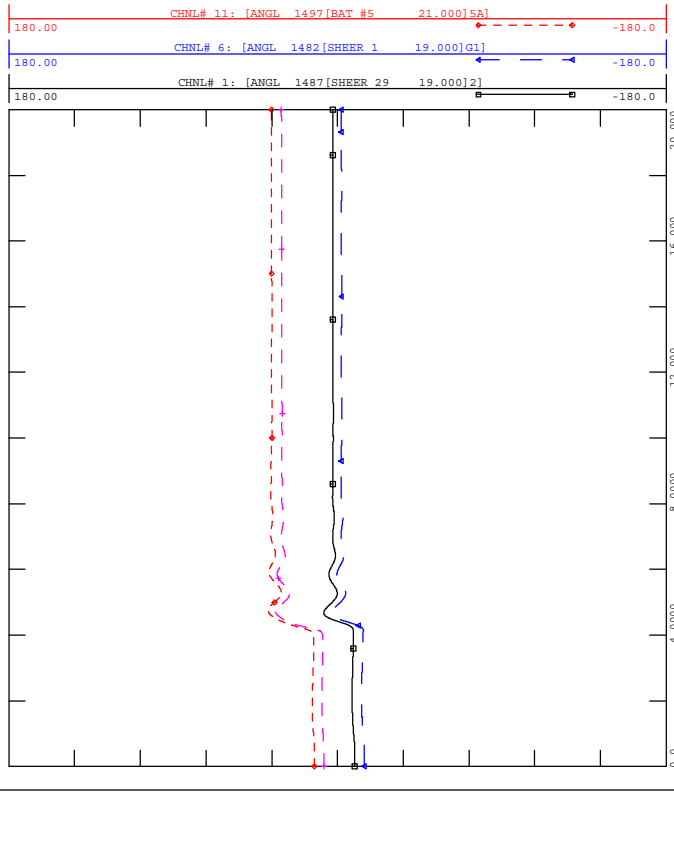
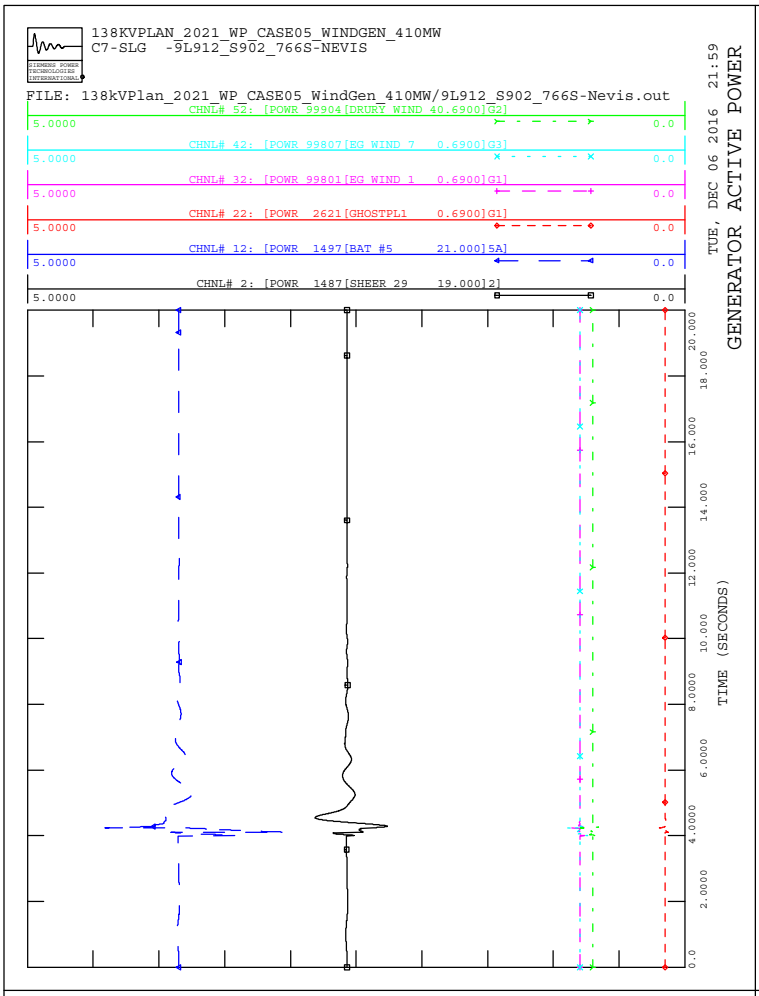
MACHINE ANGLE

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C7-SLG -9L912_S902_766S-NEVIS
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L912_S902_766S-Nevis.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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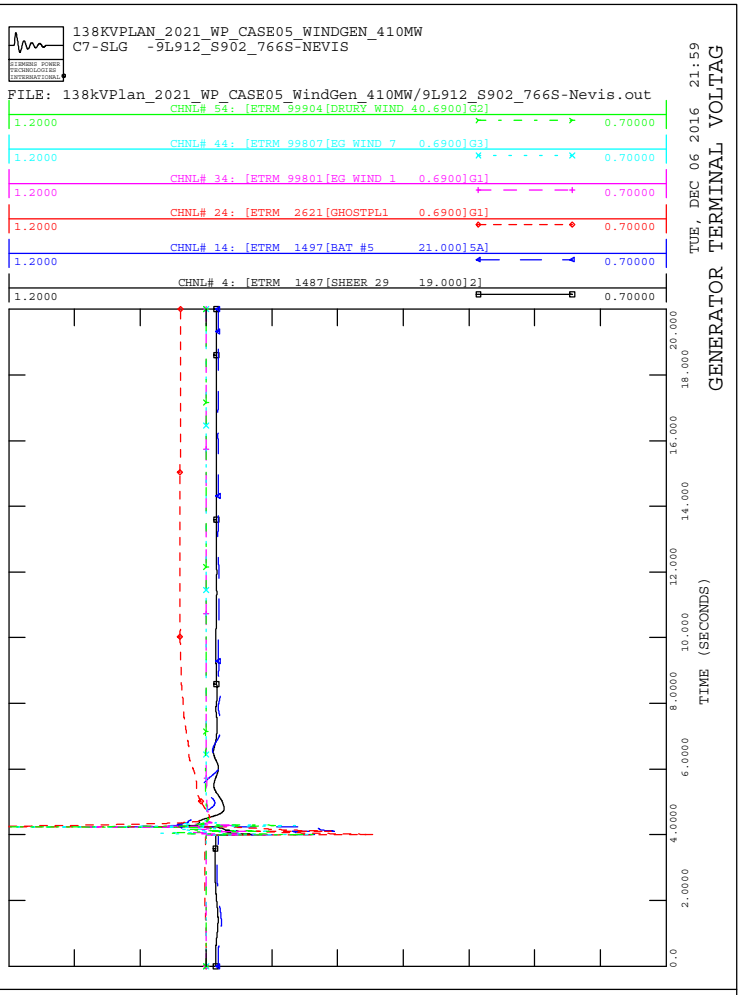
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L912_S902_766S-Nevis.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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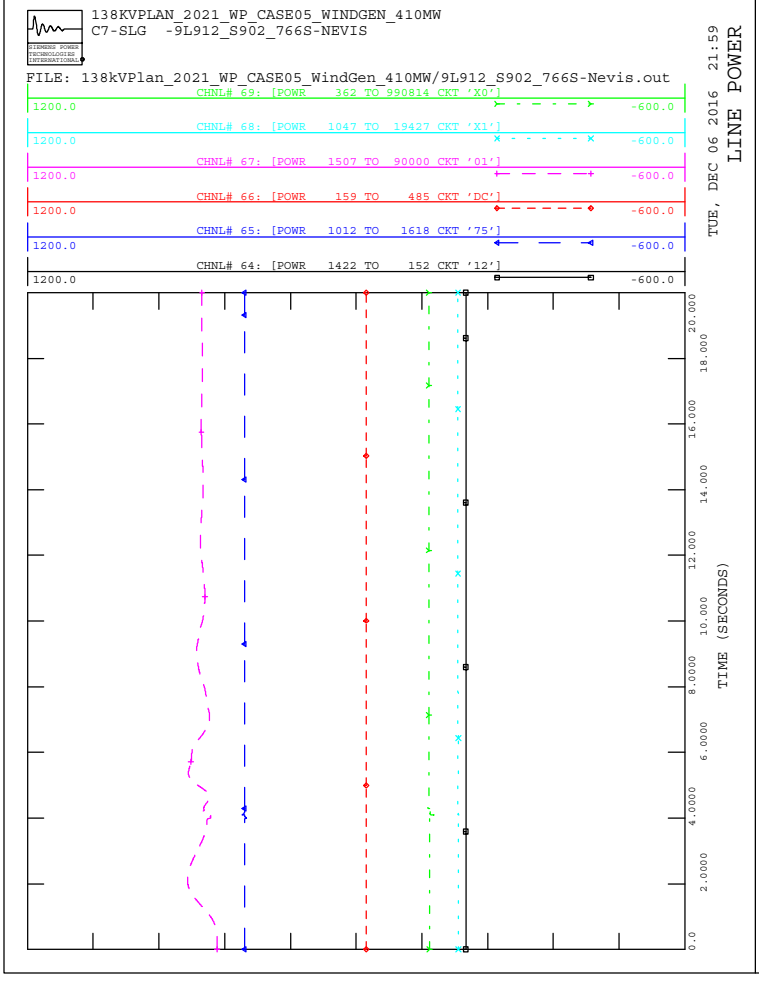
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L912_S902_766S-NEVIS
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L912_S902_766S-Nevis.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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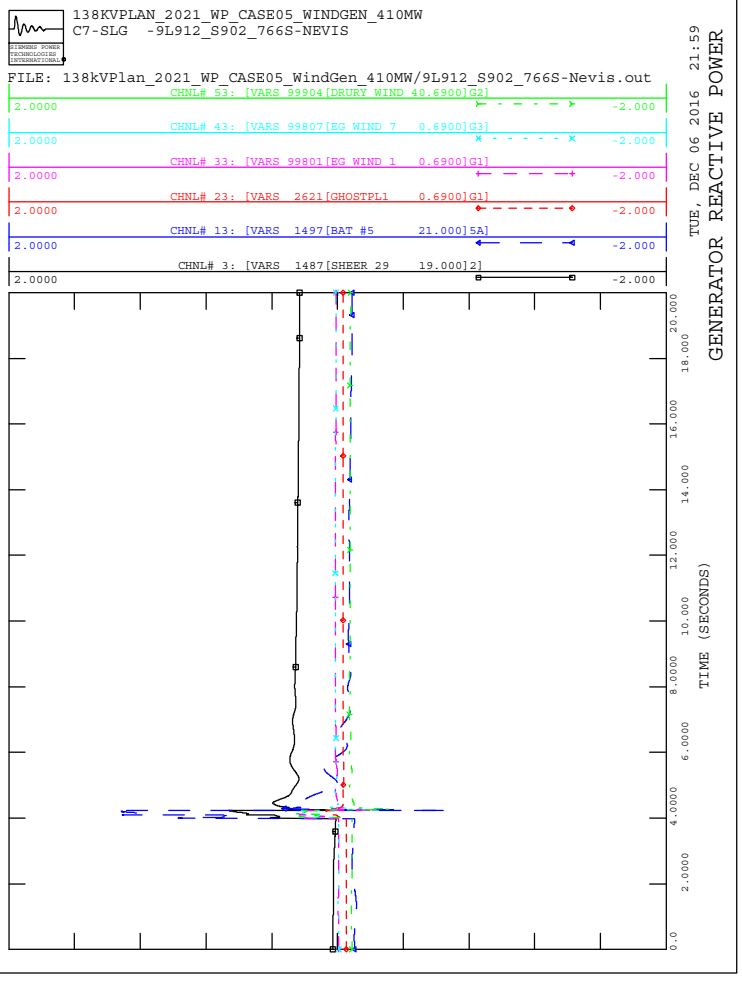
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C7-SLG -9L912_S902_766S-NEVIS
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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18.000
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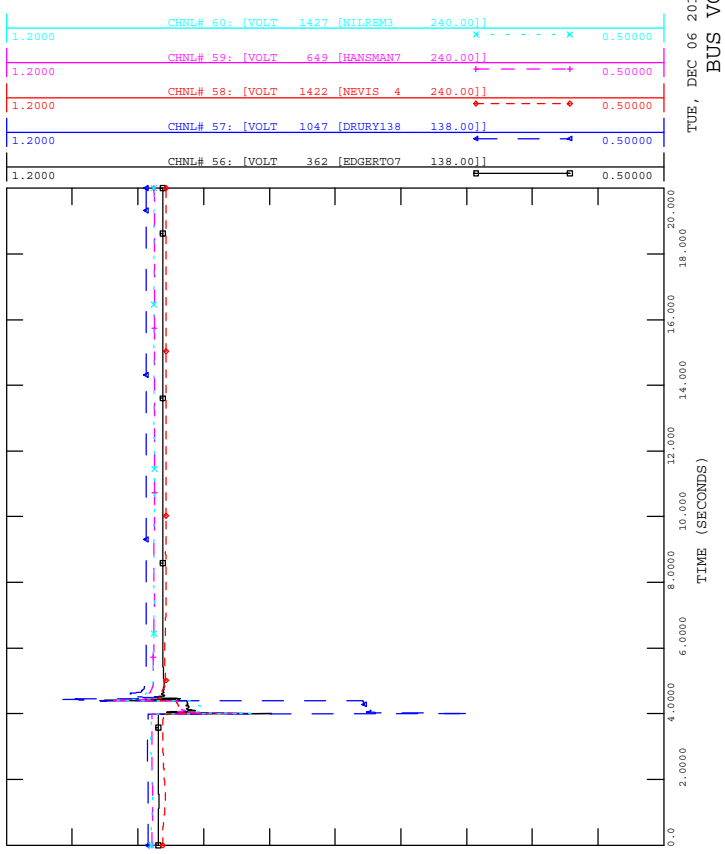
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_S704_710S-Vermillion.o

TUE, DEC 06 2016 21:59

BUS VOLTAGE



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION

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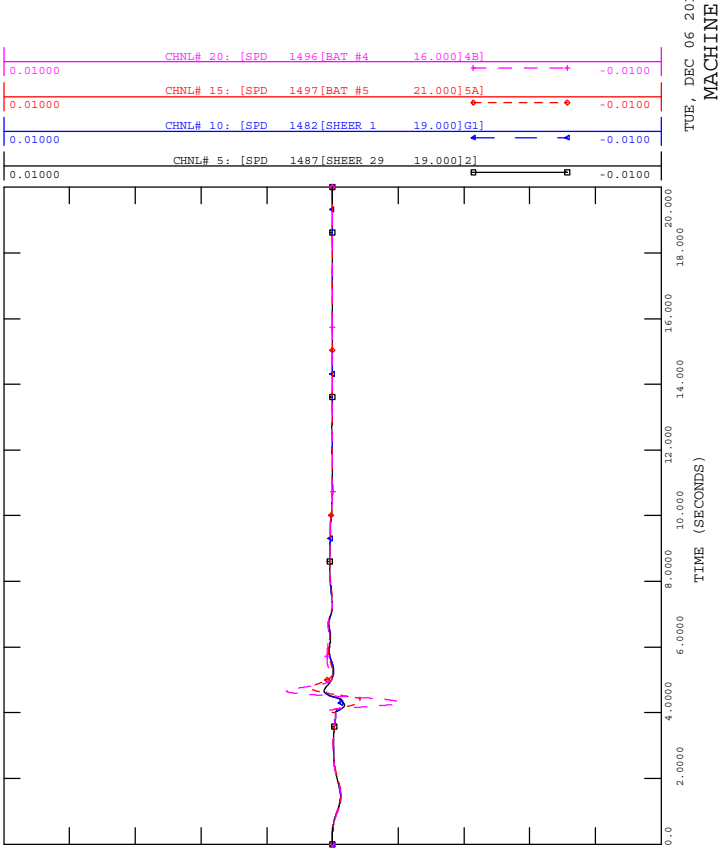
TUE, DEC 06 2016 21:59

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION

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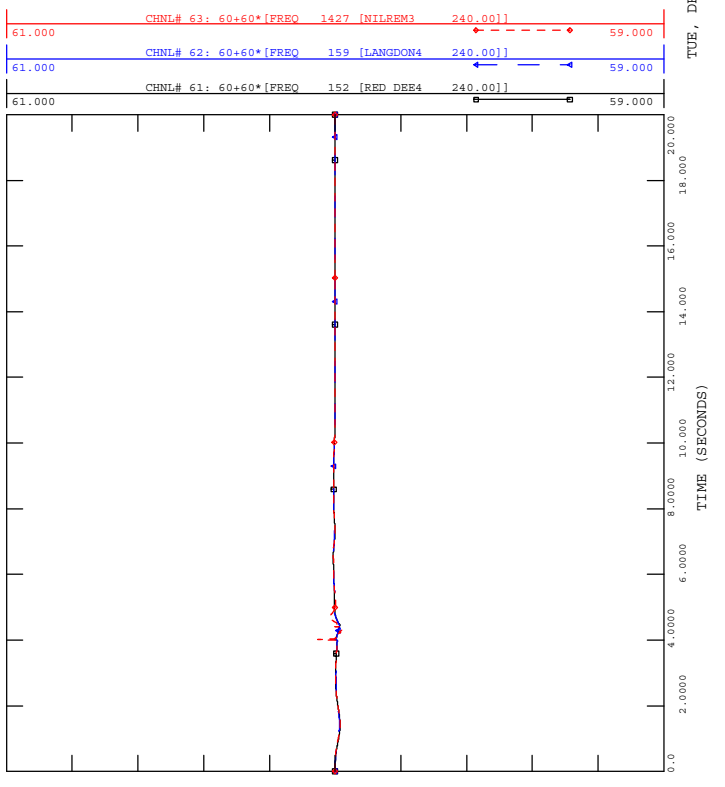
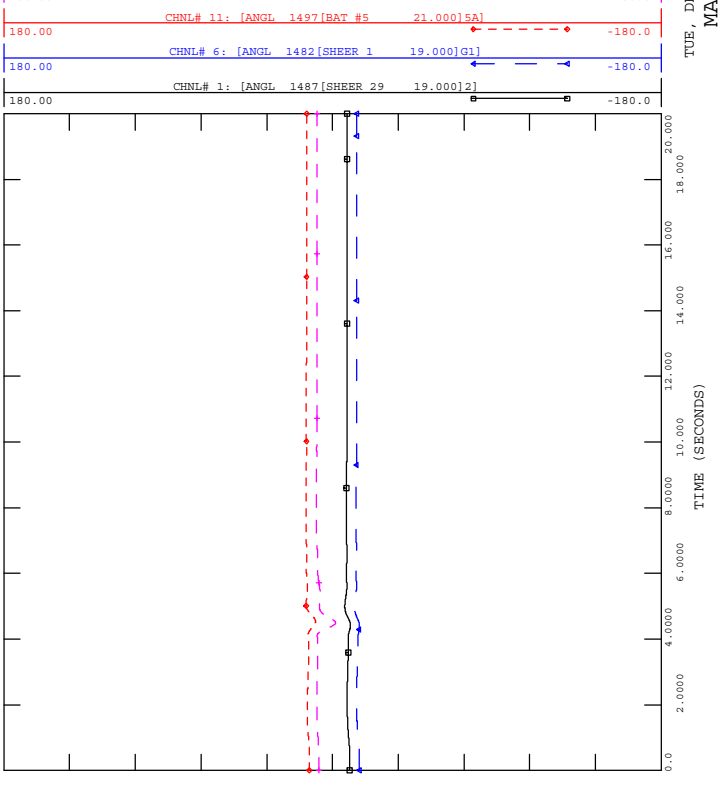


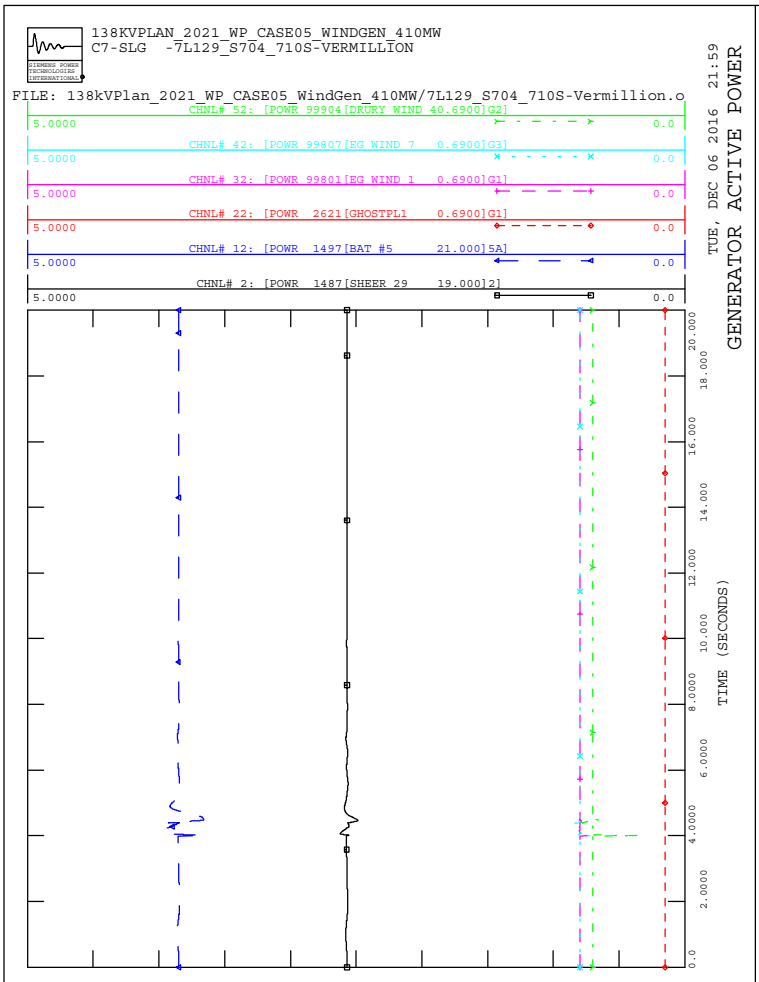
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_S704_710S-Vermillion.o

TUE, DEC 06 2016 21:59

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_S704_710S-Vermillion.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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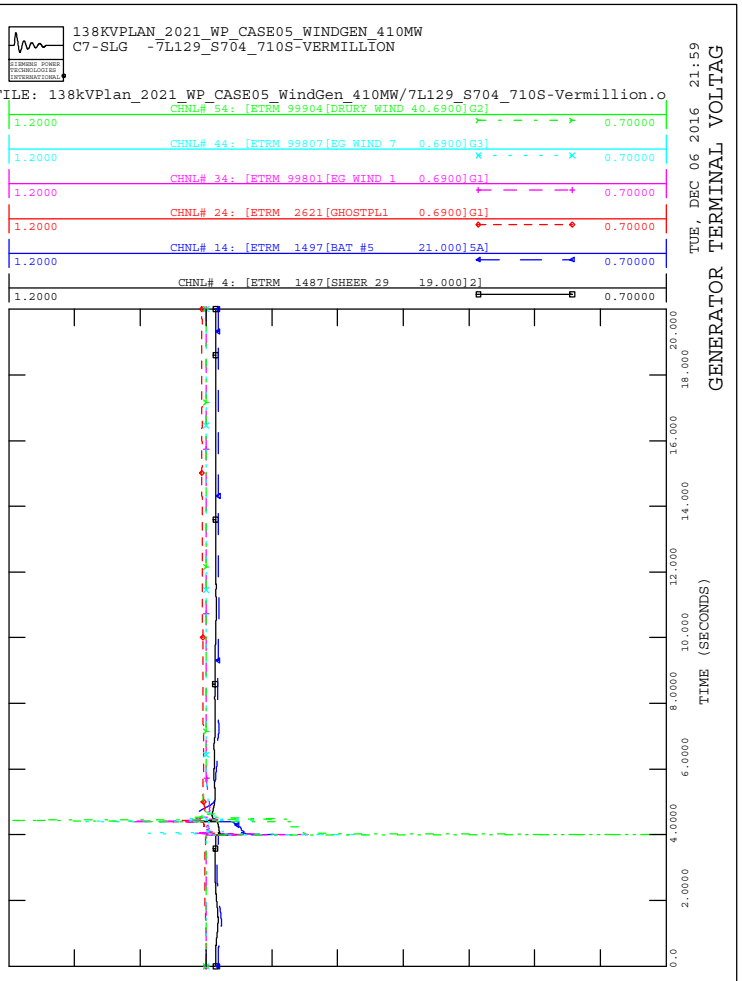
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_S704_710S-Vermillion.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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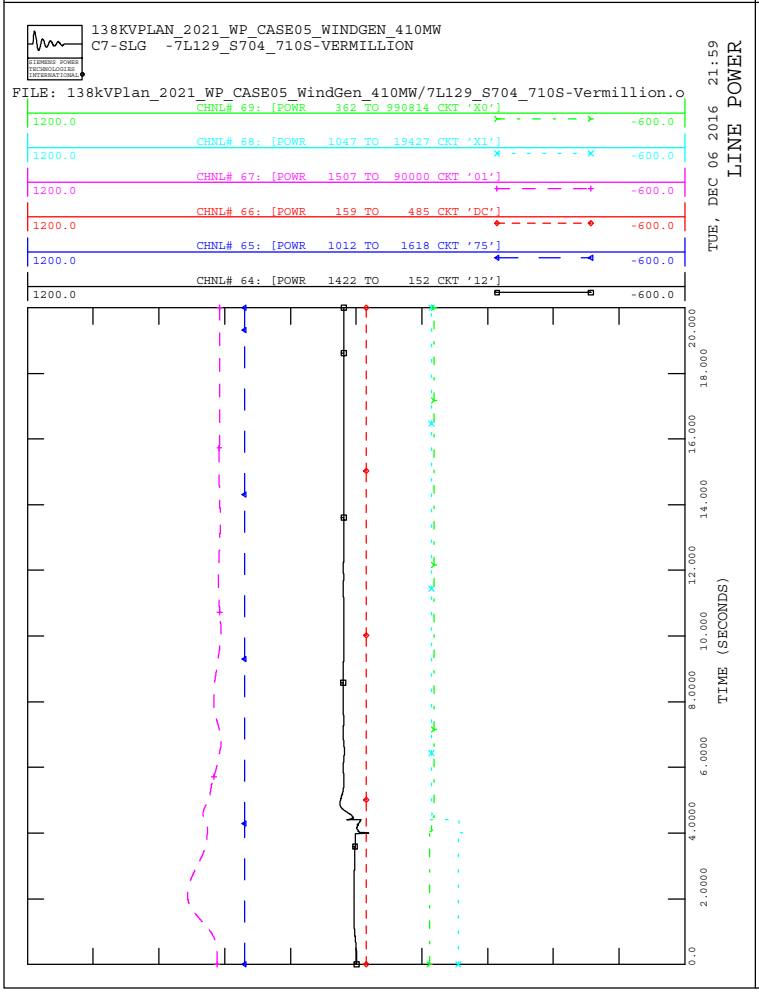
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_S704_710S-Vermillion.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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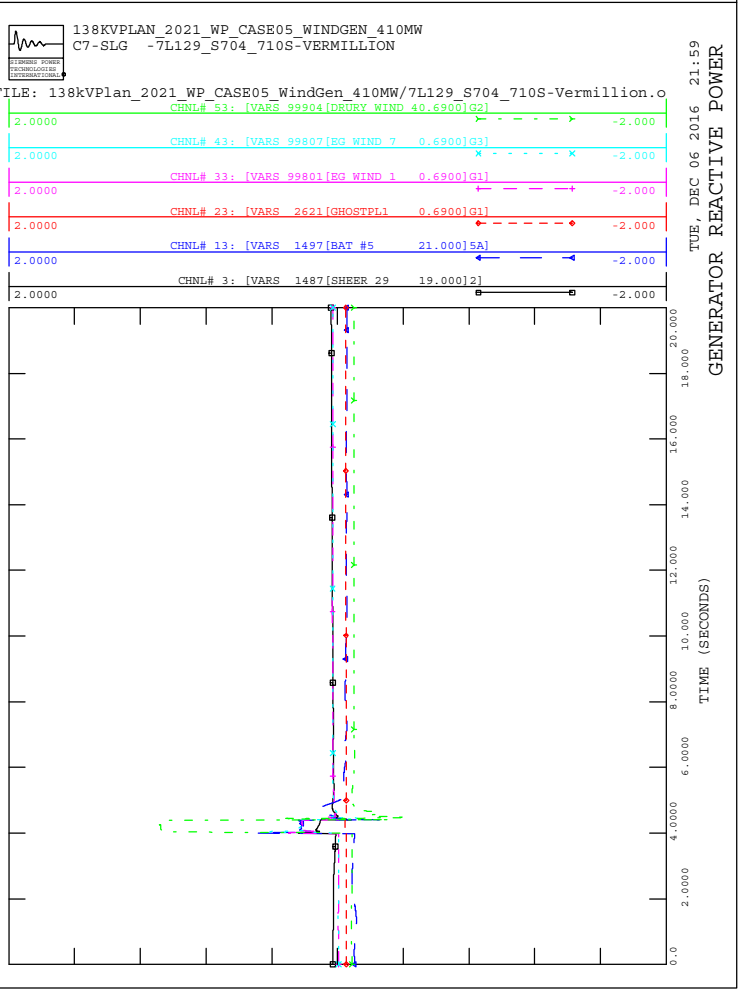
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L129_S704_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L129_S704_710S-Vermillion.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
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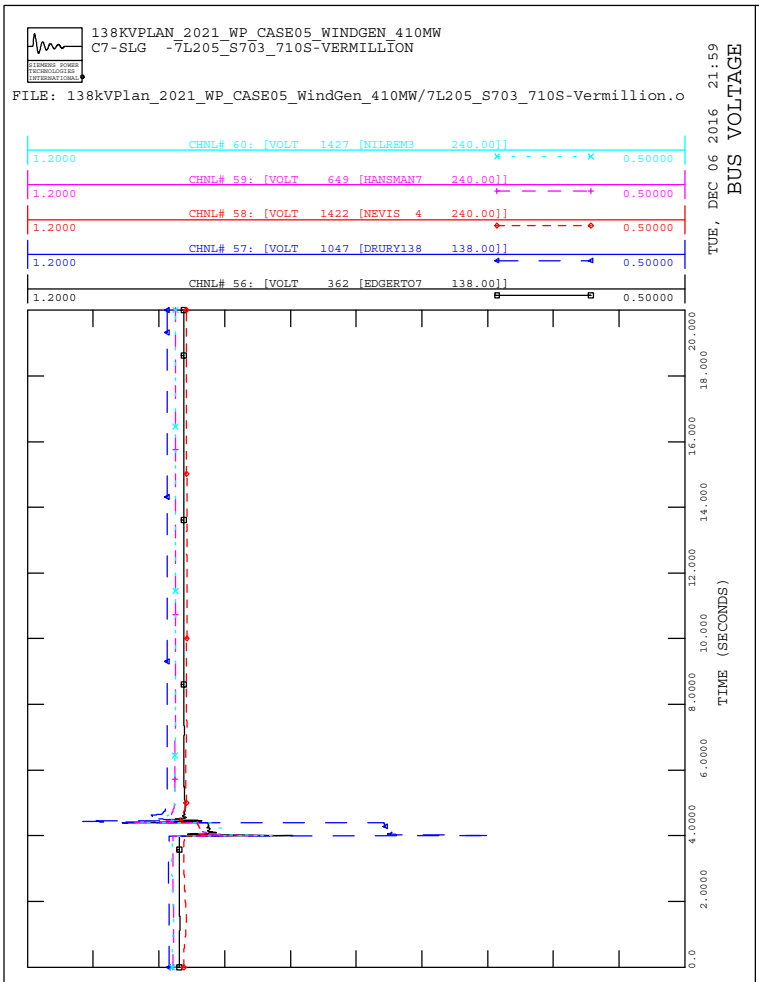
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_S703_710S-Vermillion.o
TUE, DEC 06 2016 21:59
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
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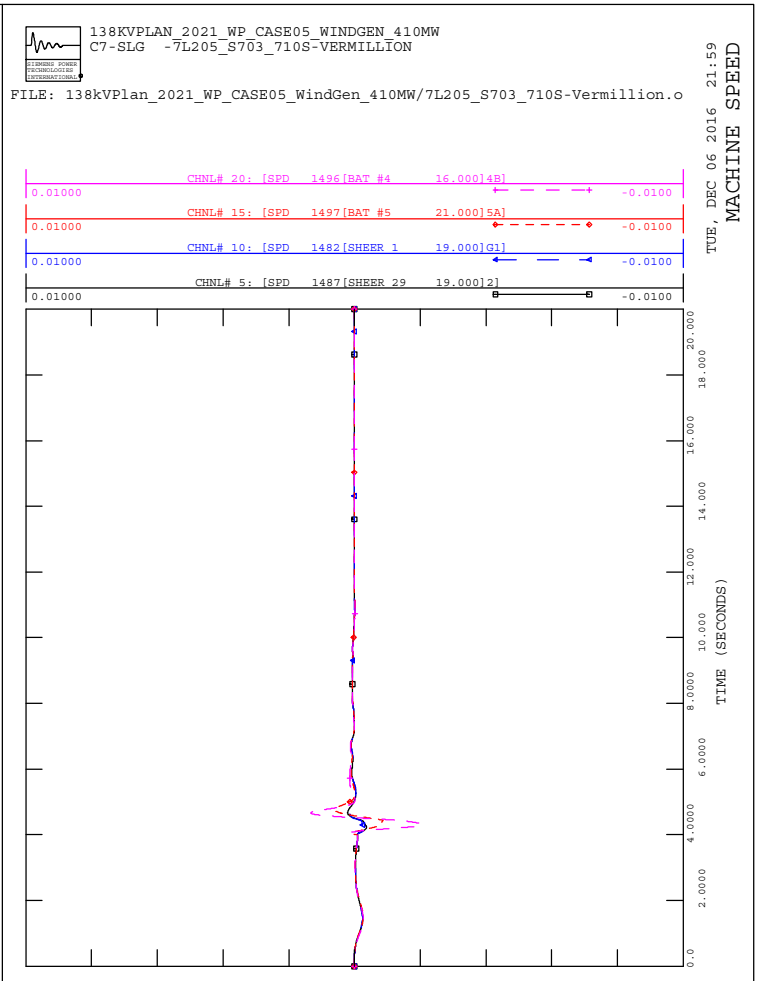
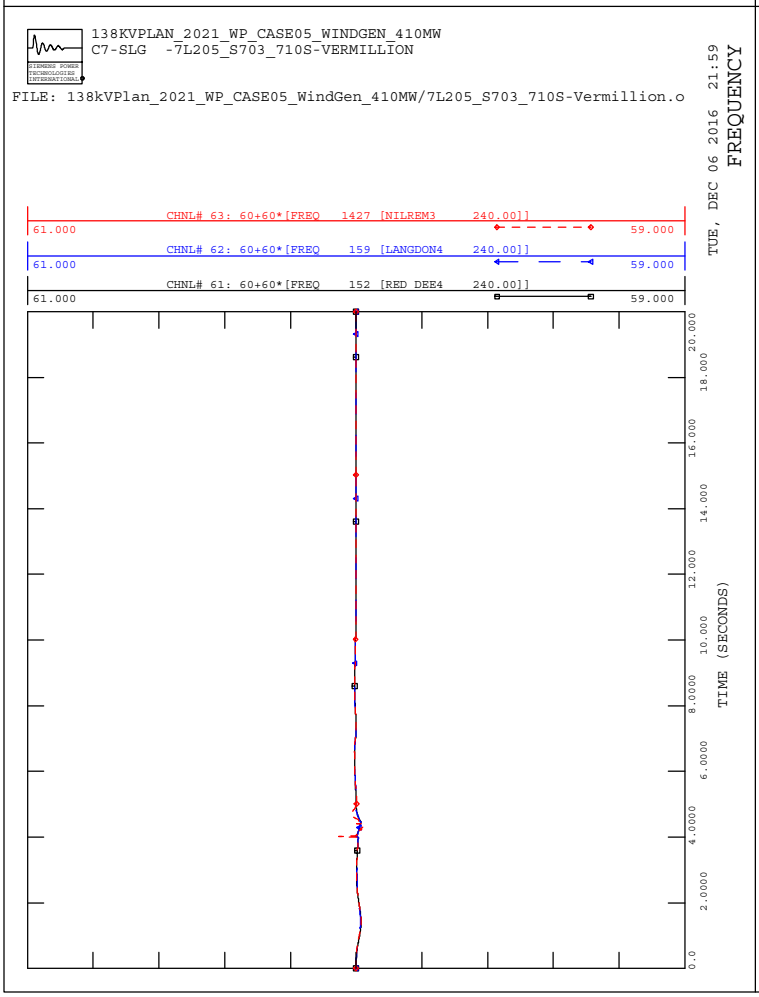
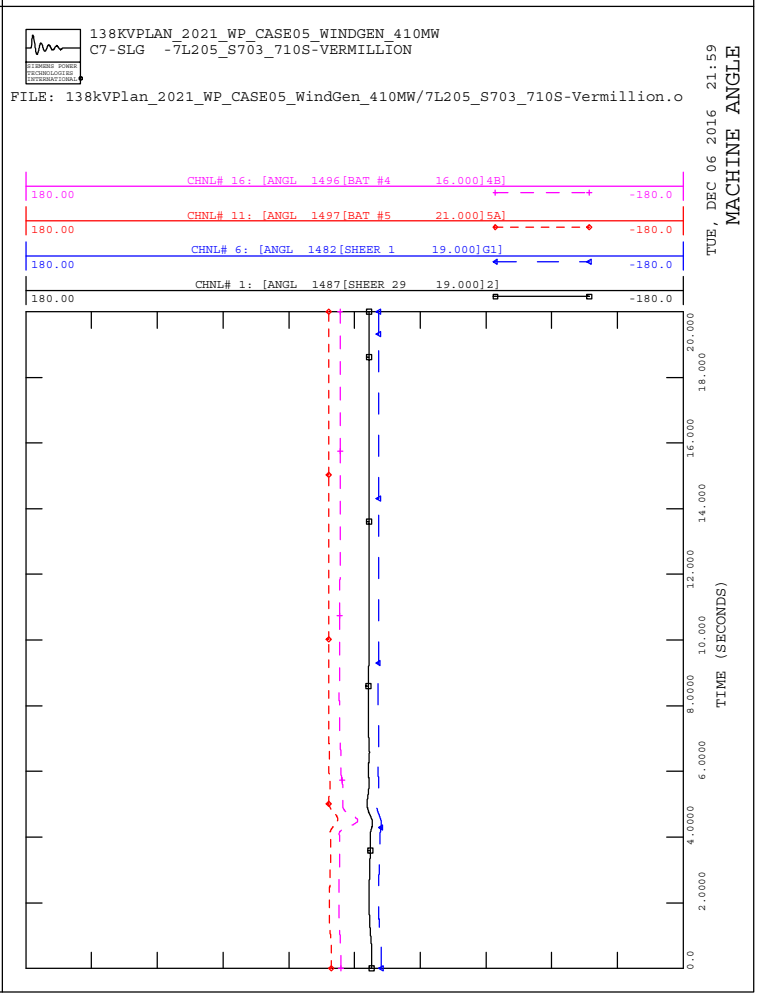
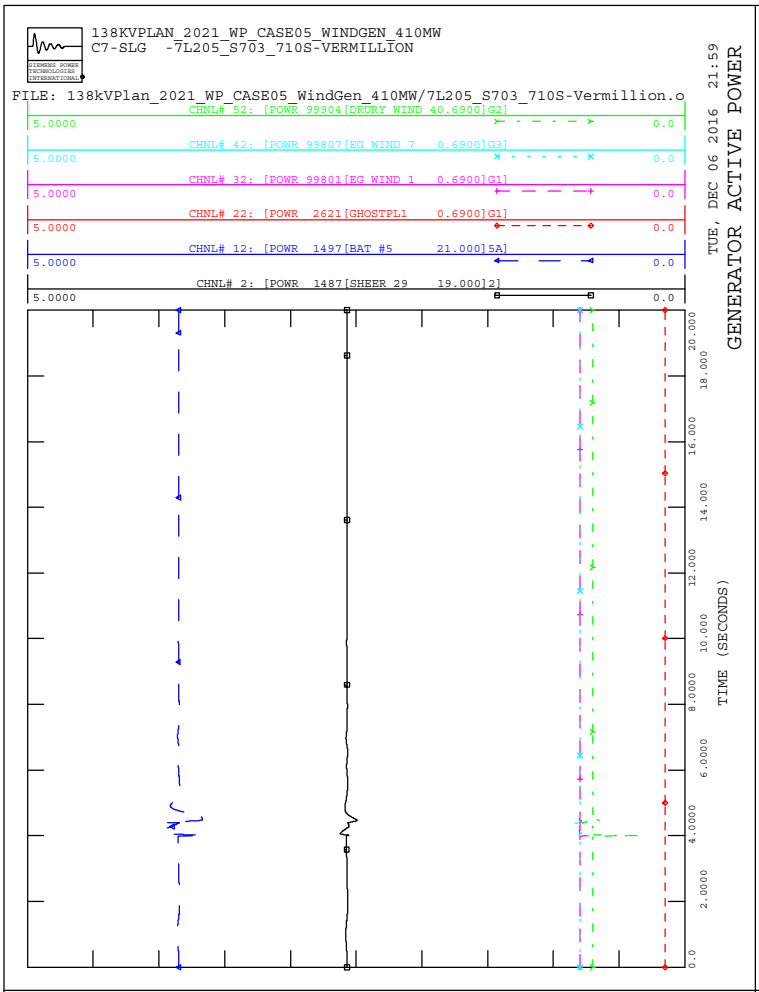
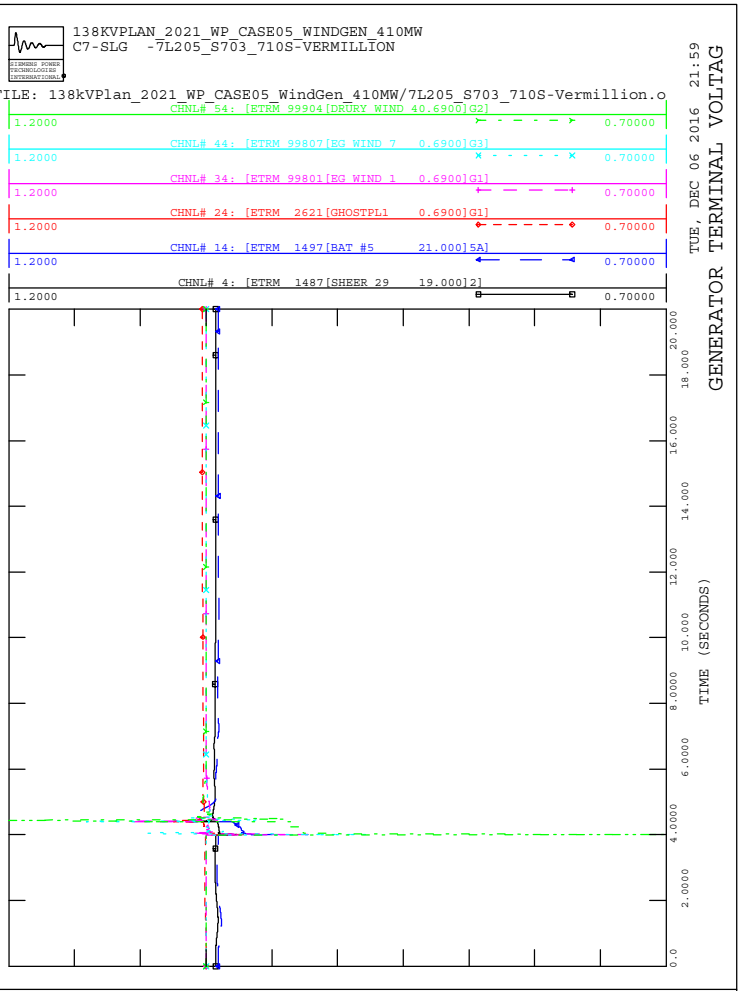
0.50000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

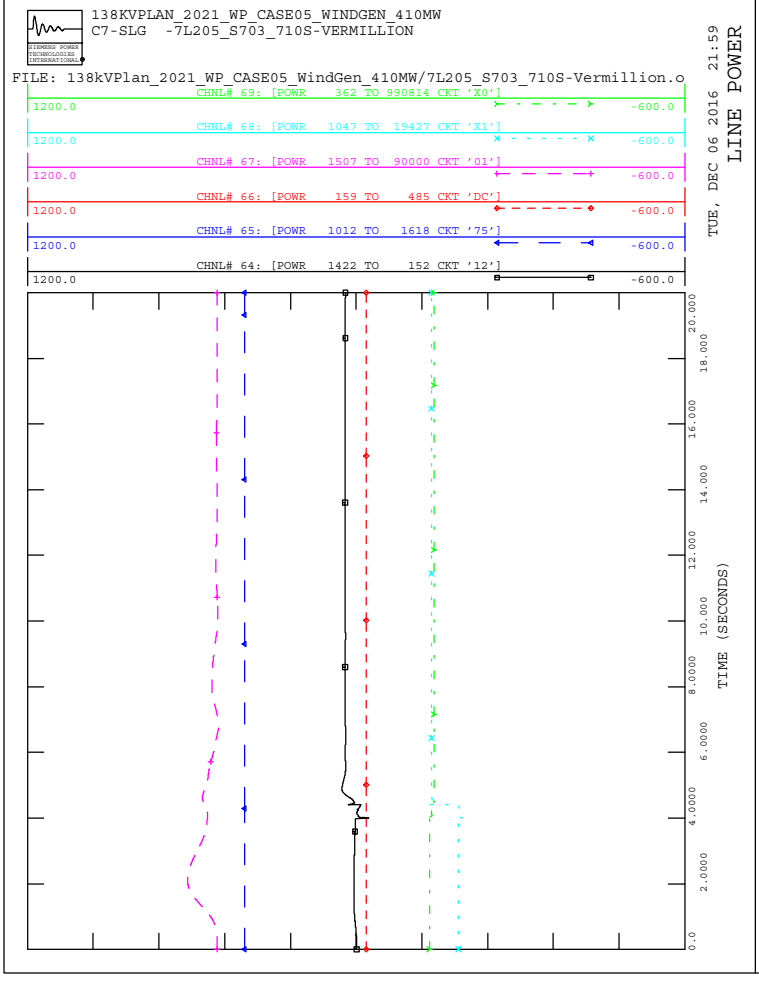

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_S703_710S-Vermillion.o
TUE, DEC 06 2016 21:59
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

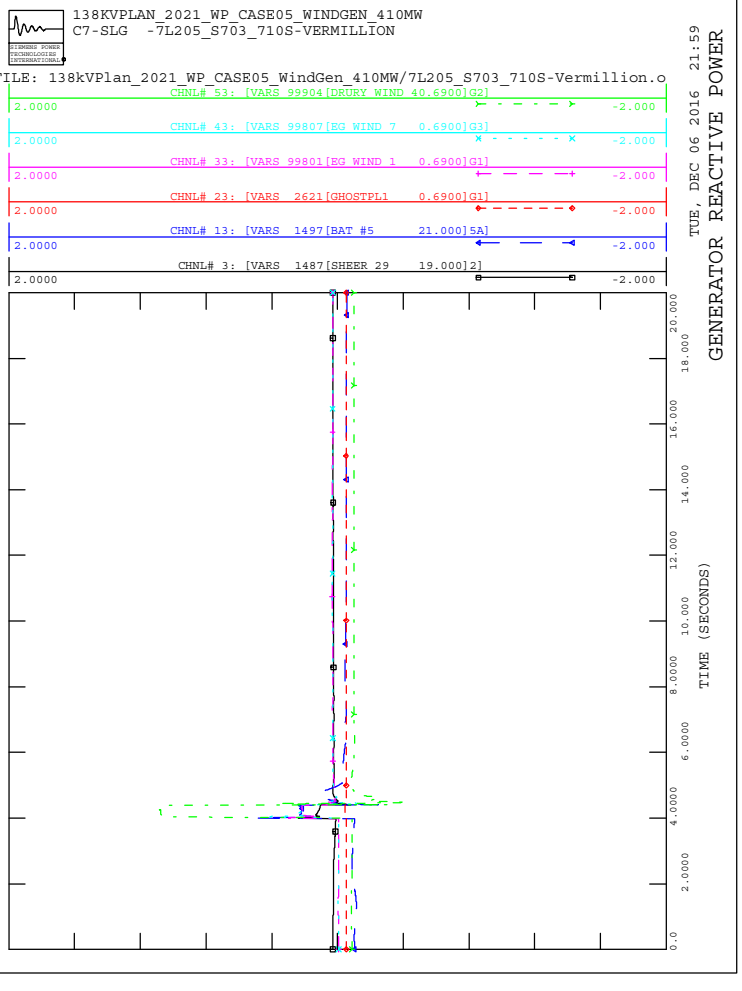

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_S703_710S-Vermillion.o
TUE, DEC 06 2016 21:59
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_S703_710S-Vermillion.o
TUE, DEC 06 2016 21:59
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_S703_710S-Vermillion.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_S703_710S-Vermillion.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_S703_710S-Vermillion.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:59
LINE POWER

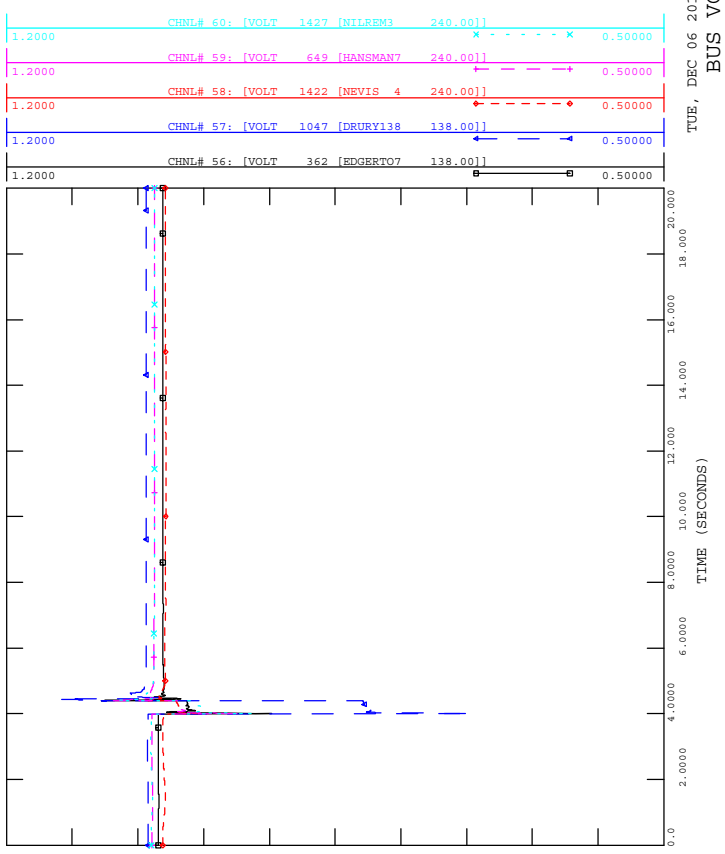

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_S703_710S-Vermillion.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_S701_710S-Vermillion.o

TUE, DEC 06 2016 21:59

BUS VOLTAGE

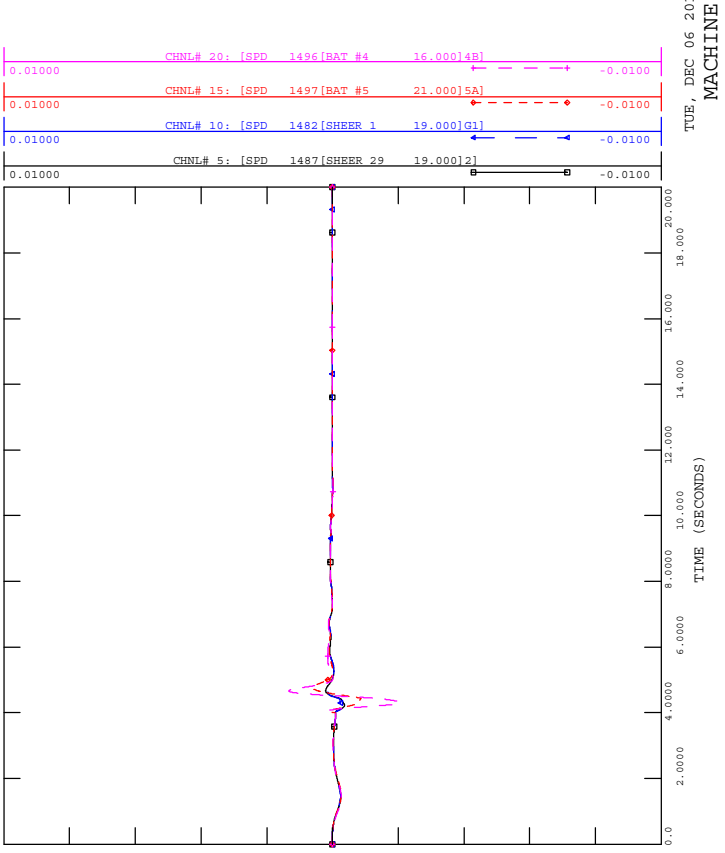


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_S701_710S-Vermillion.o

TUE, DEC 06 2016 21:59

MACHINE SPEED

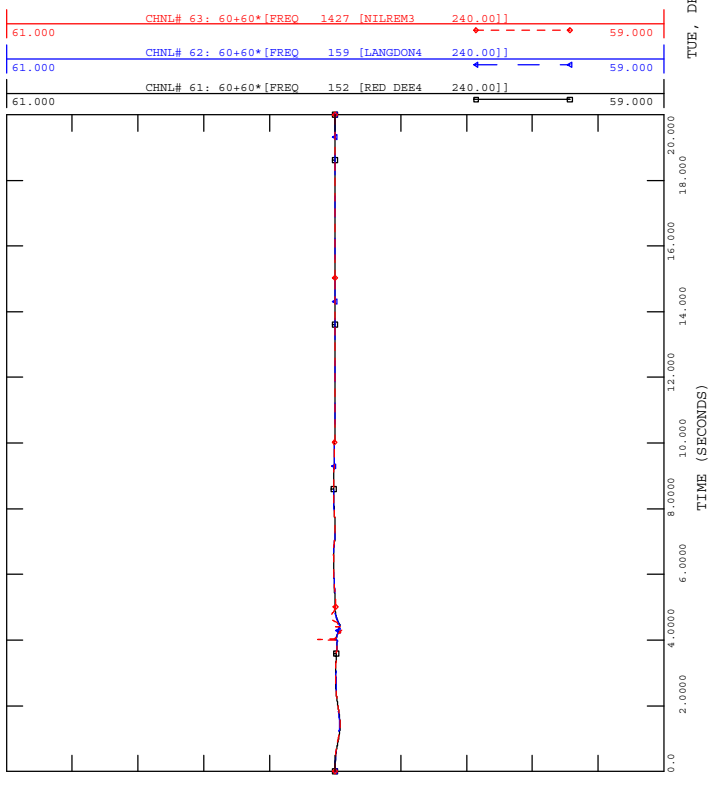


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_S701_710S-Vermillion.o

TUE, DEC 06 2016 21:59

FREQUENCY

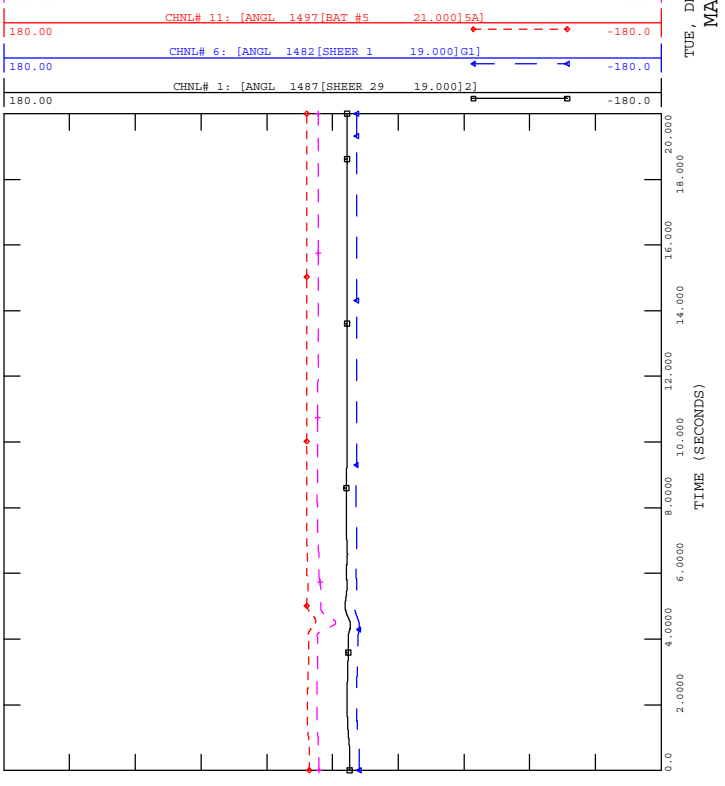


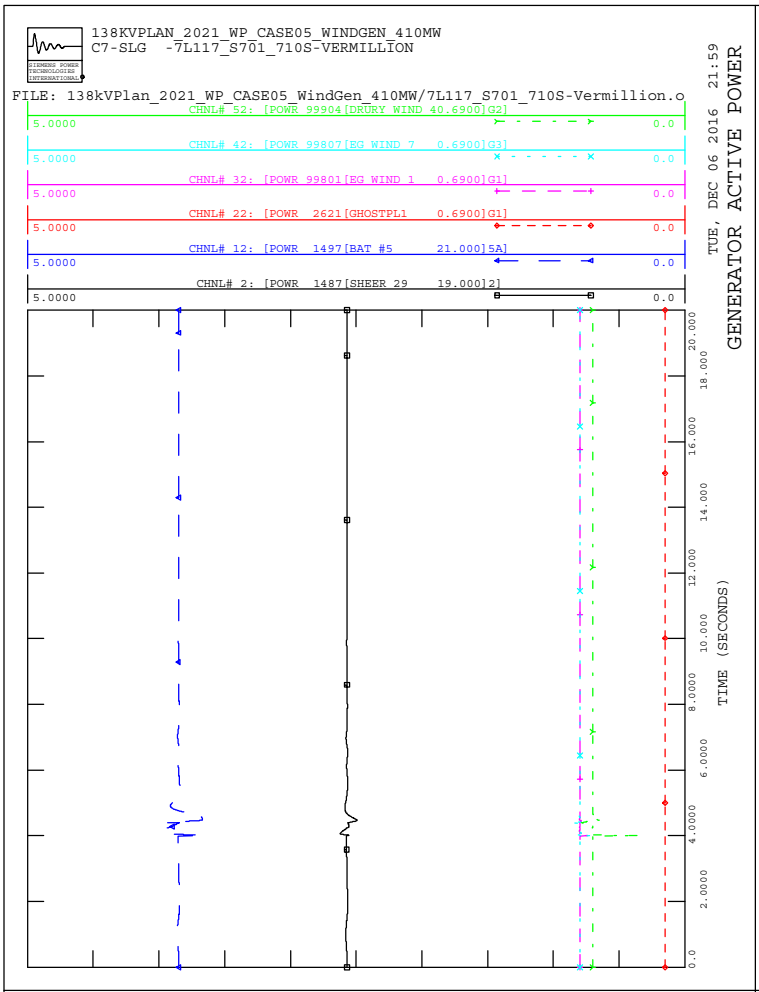
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION

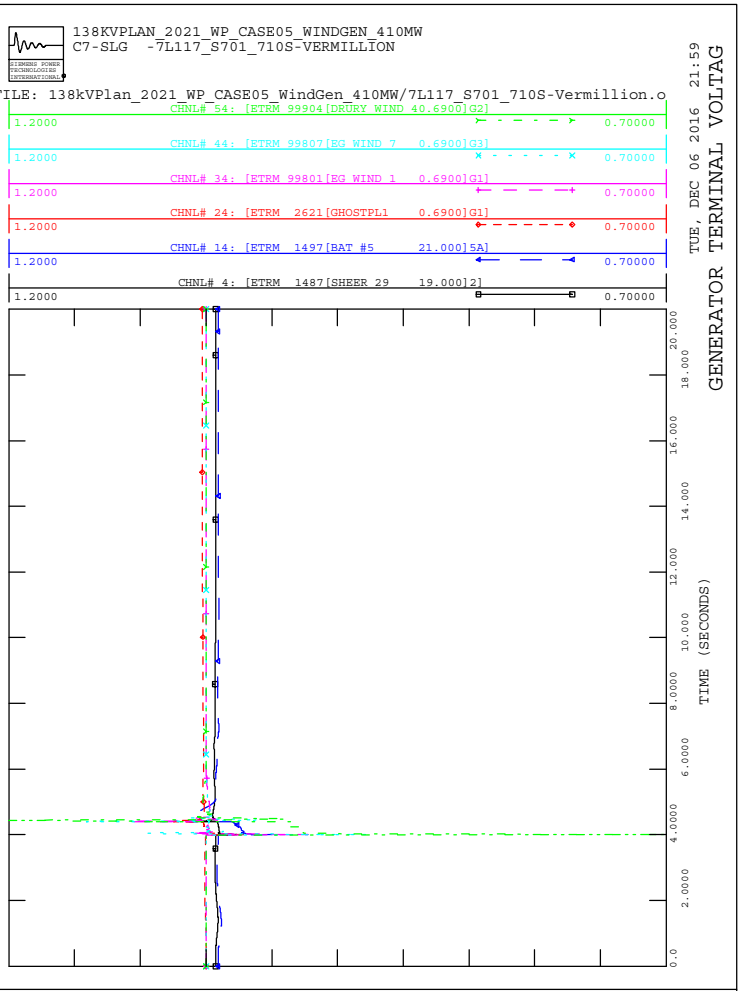
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_S701_710S-Vermillion.o

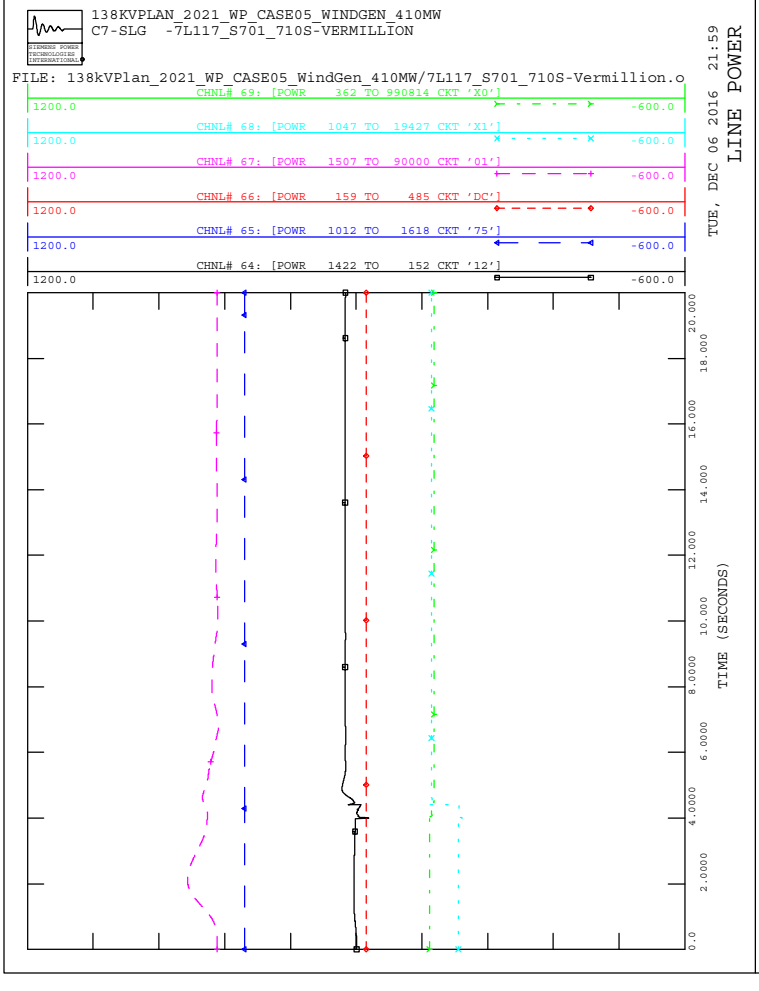
TUE, DEC 06 2016 21:59

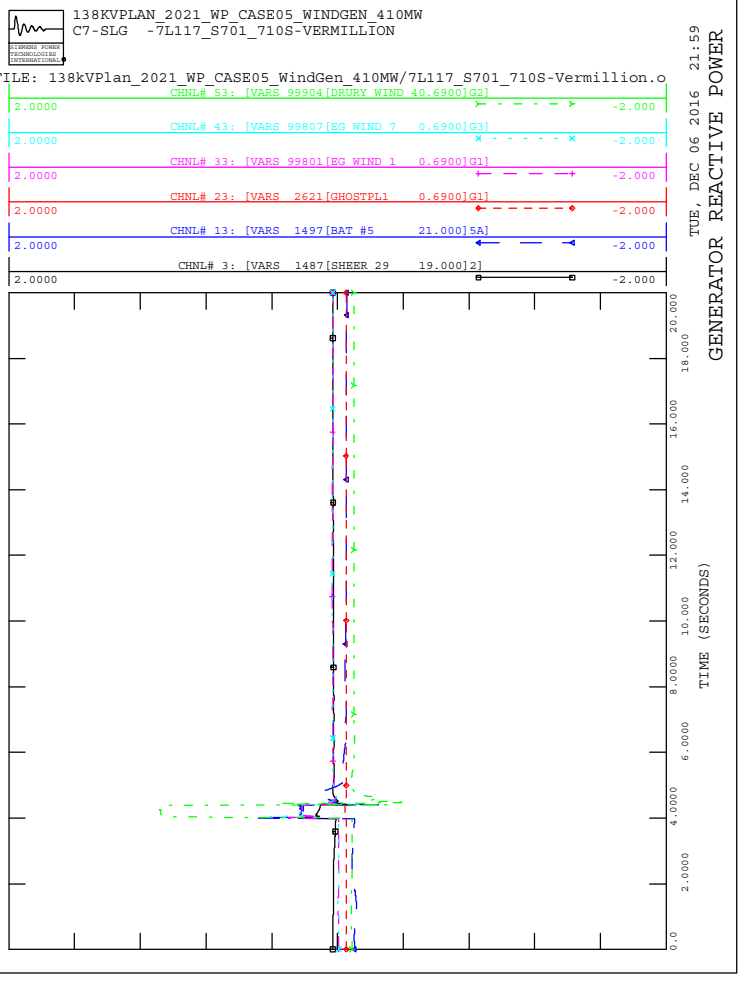
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_S701_710S-Vermillion.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_S701_710S-Vermillion.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_S701_710S-Vermillion.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

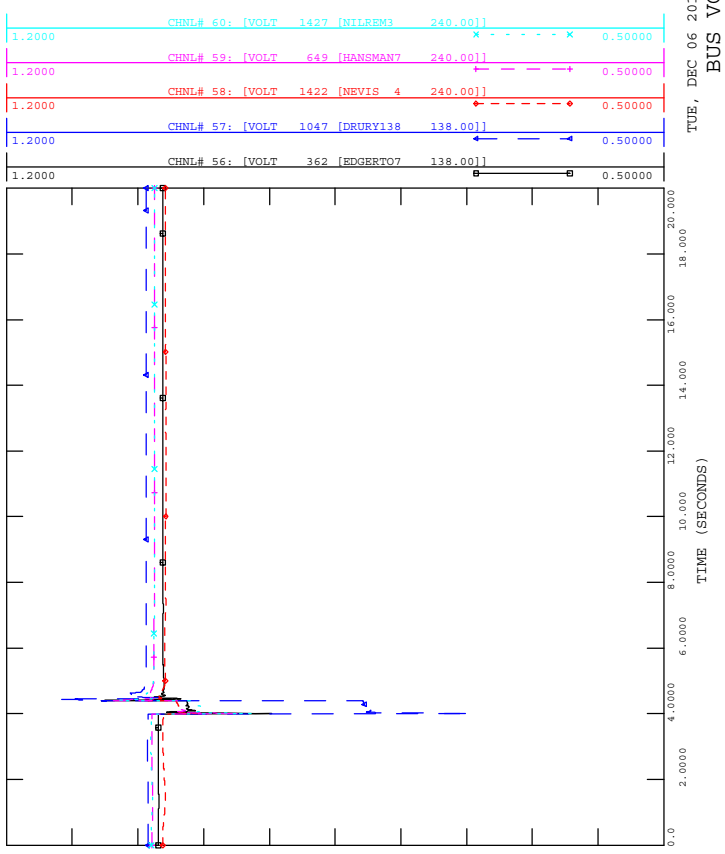

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L117_S701_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L117_S701_710S-Vermillion.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_S702_710S-Vermillion.o

TUE, DEC 06 2016 21:59

BUS VOLTAGE

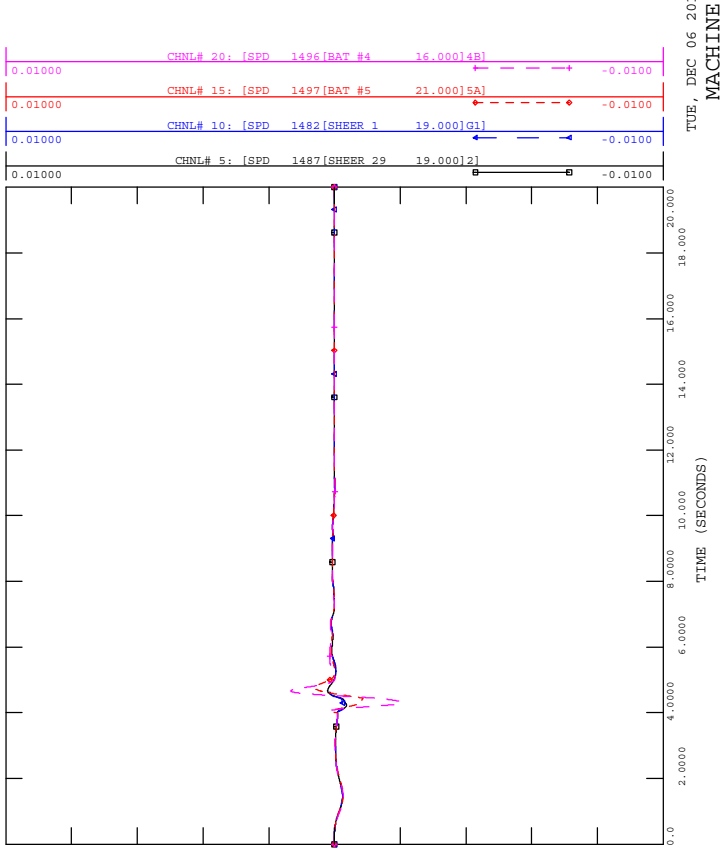


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_S702_710S-Vermillion.o

TUE, DEC 06 2016 21:59

MACHINE SPEED

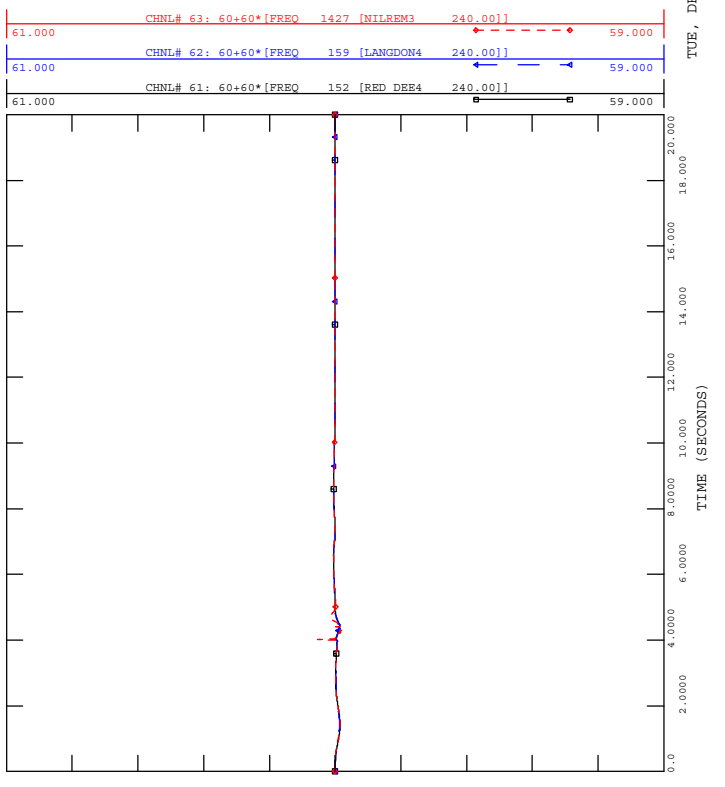


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_S702_710S-Vermillion.o

TUE, DEC 06 2016 21:59

FREQUENCY

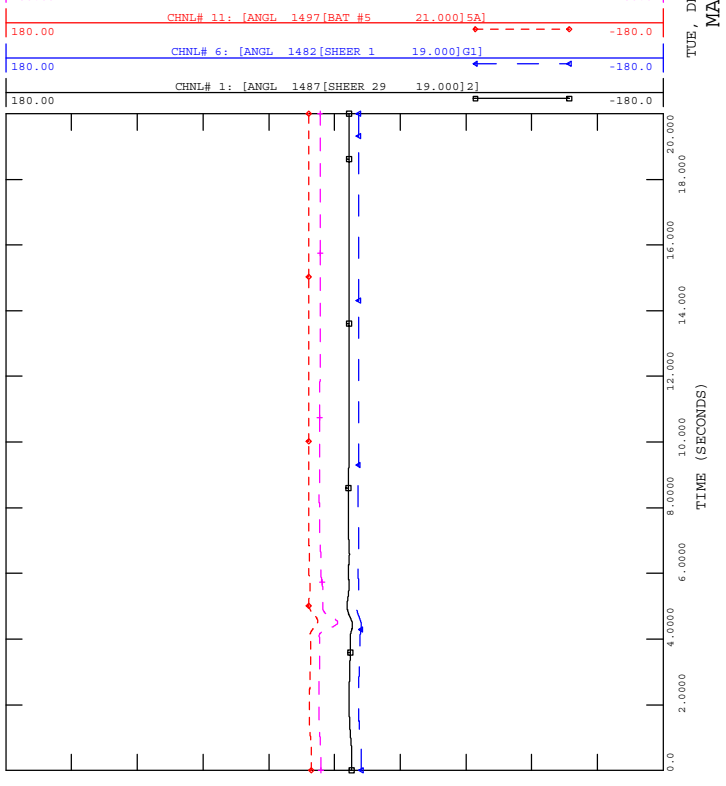


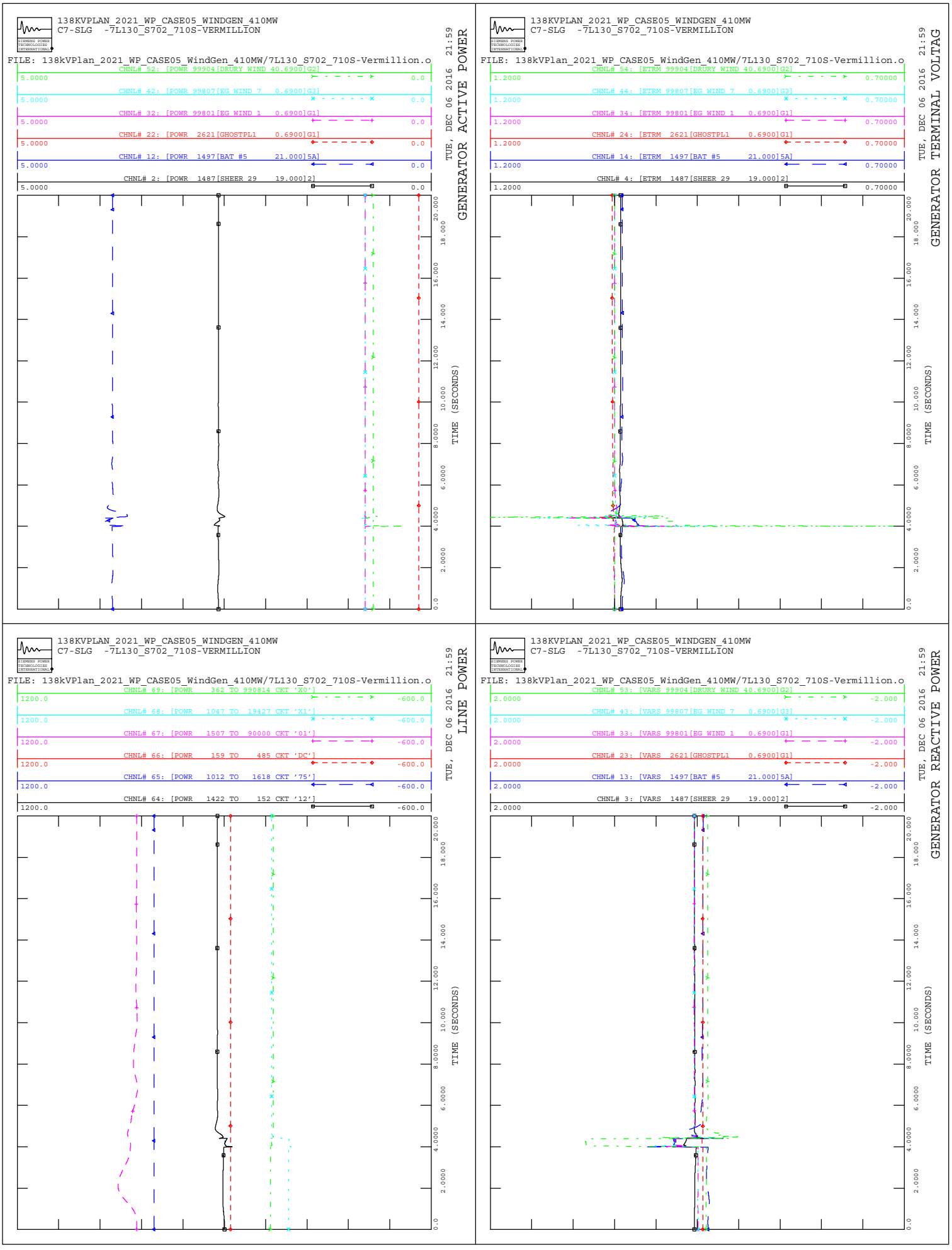
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_S702_710S-Vermillion.o

TUE, DEC 06 2016 21:59

MACHINE ANGLE



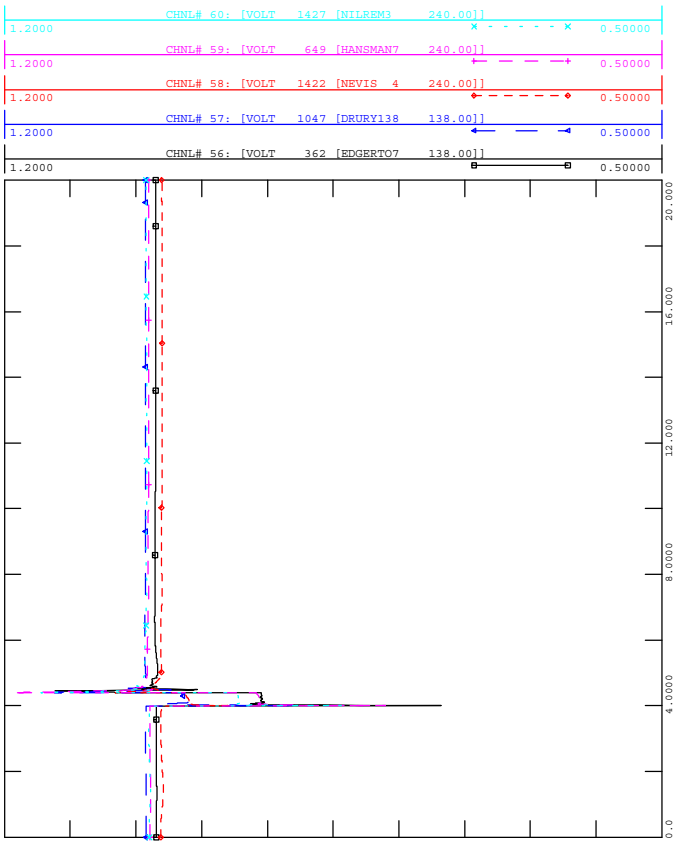

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L130_S702_710S-VERMILLION
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L130_S702_710S-Vermillion.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_S472_648S-Metiskow.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

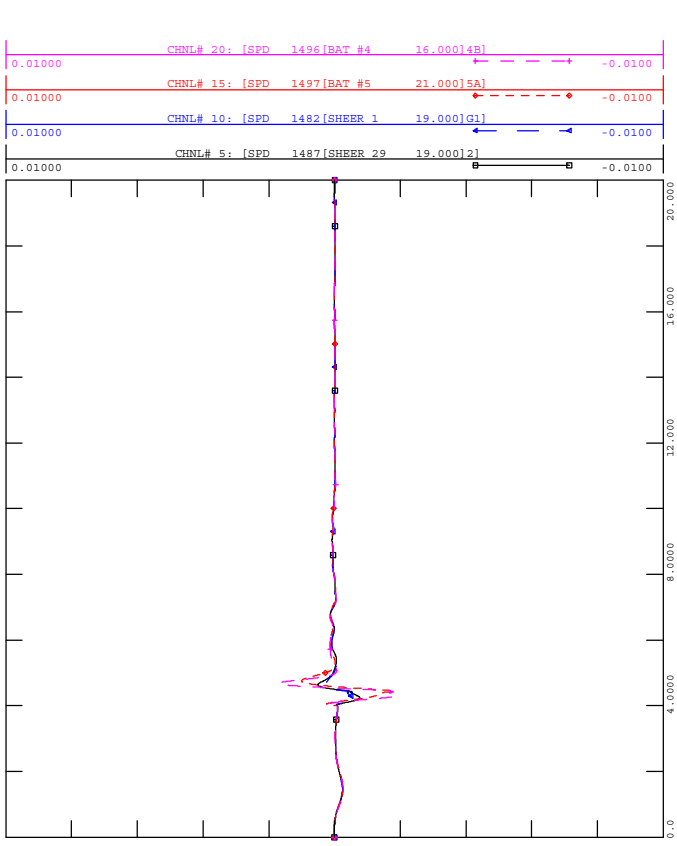


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_S472_648S-Metiskow.out

TUE, DEC 06 2016 21:59

MACHINE SPEED

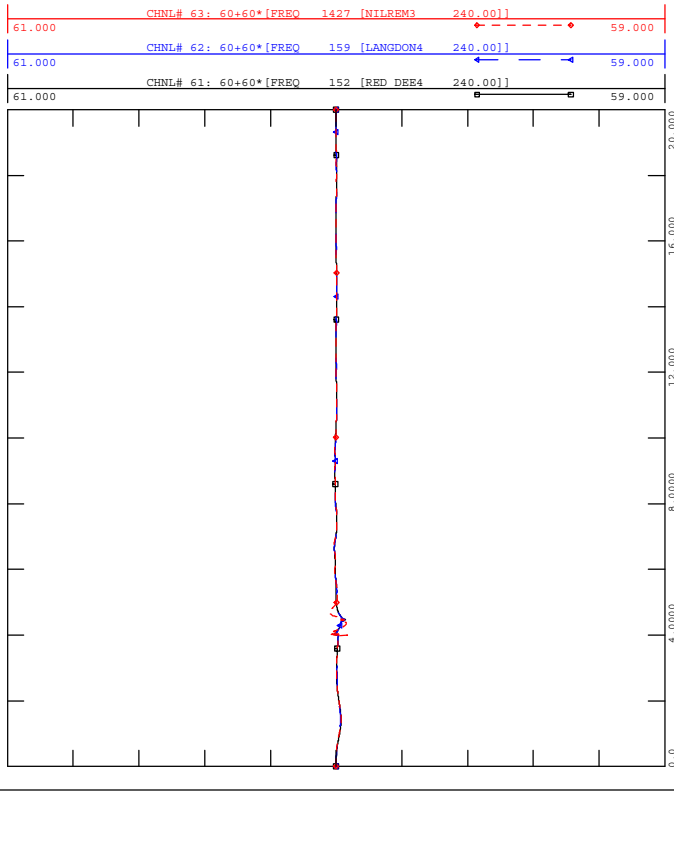


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_S472_648S-Metiskow.out

TUE, DEC 06 2016 21:59

FREQUENCY

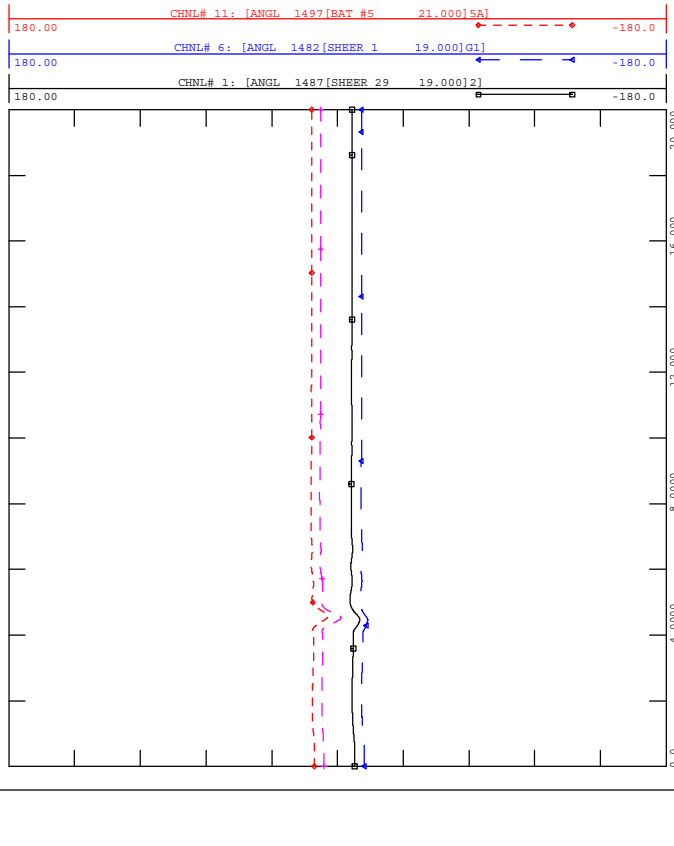


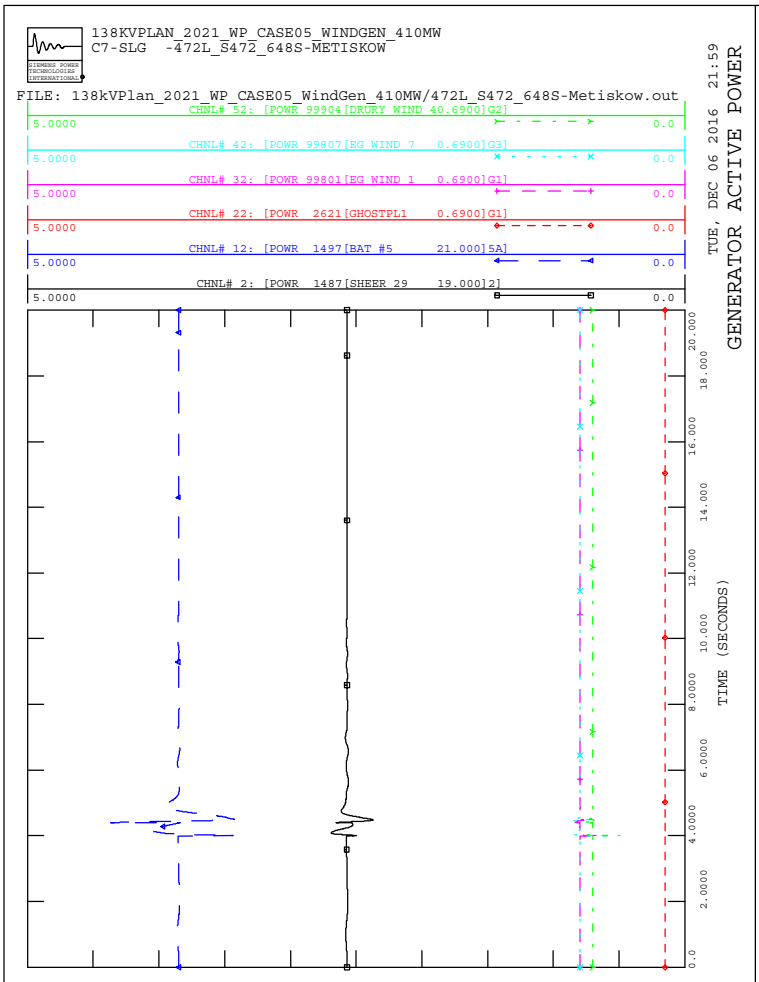
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_S472_648S-Metiskow.out

TUE, DEC 06 2016 21:59

MACHINE ANGLE

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C7-SLG -472L_S472_648S-METISKOW
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_S472_648S-Metiskow.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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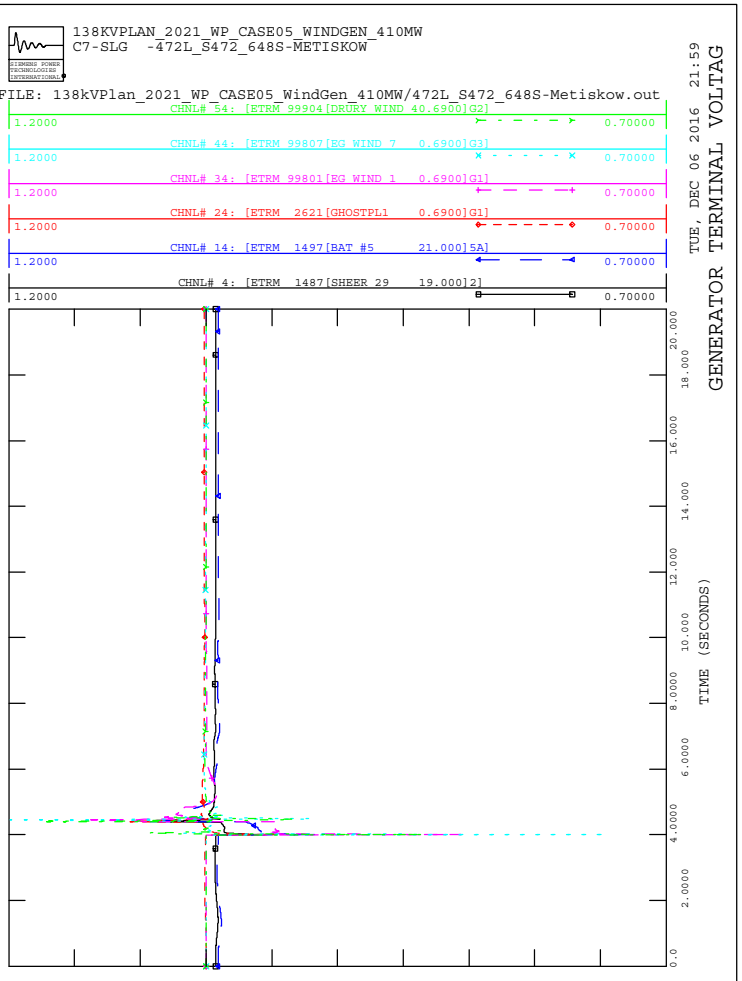
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C7-SLG -472L_S472_648S-METISKOW
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_S472_648S-Metiskow.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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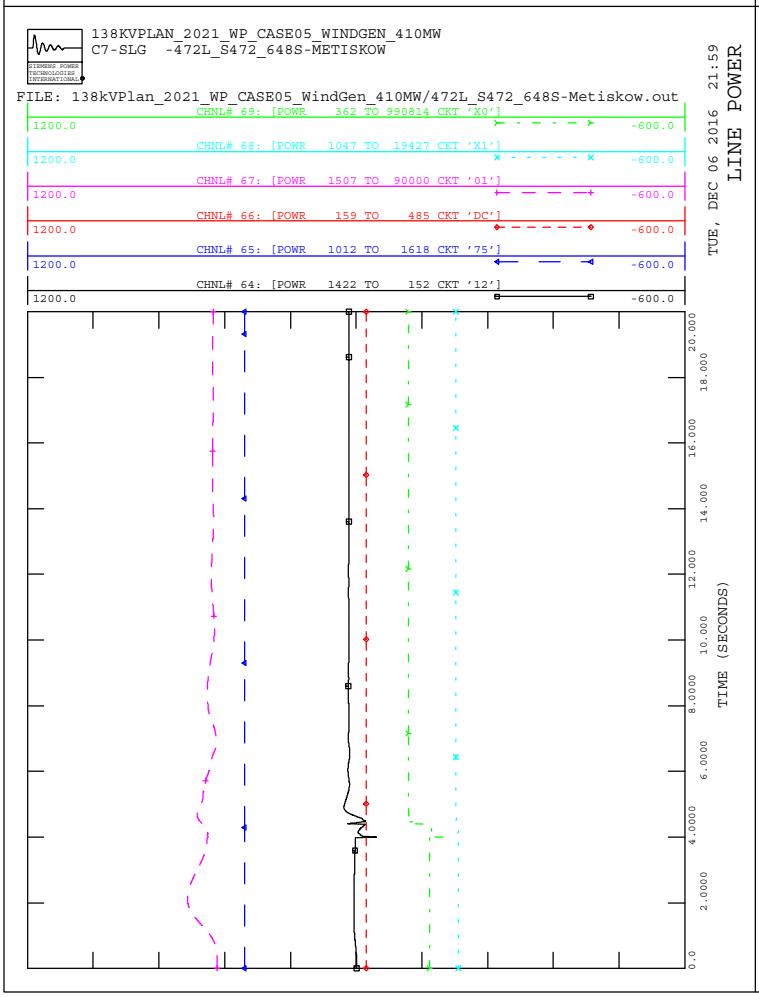
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C7-SLG -472L_S472_648S-METISKOW
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_S472_648S-Metiskow.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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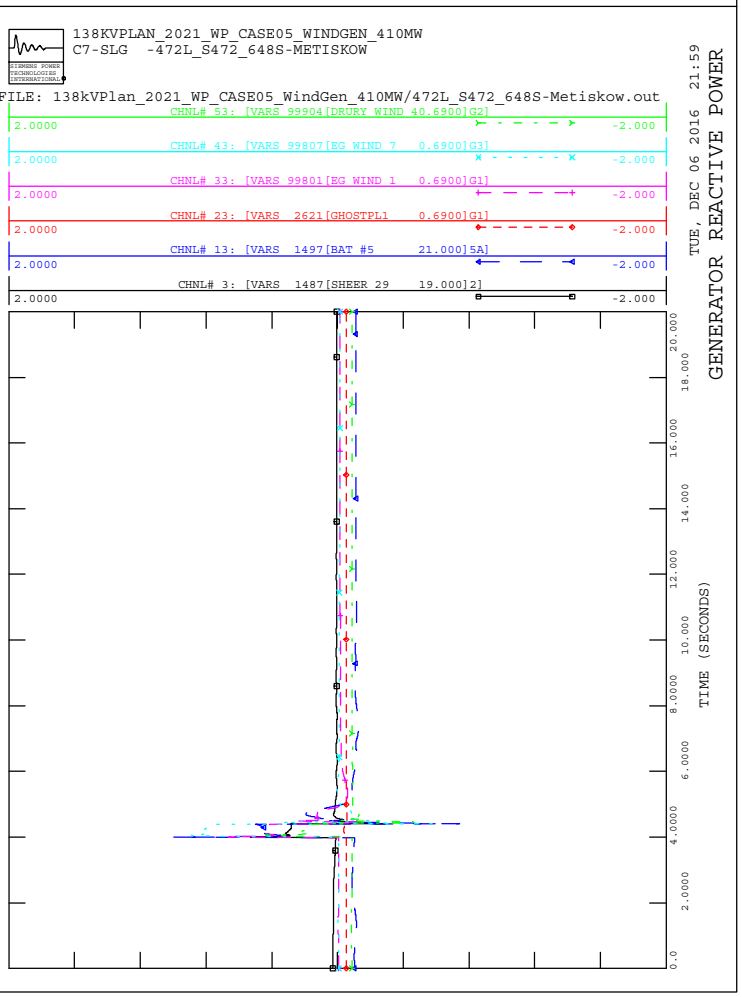
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C7-SLG -472L_S472_648S-METISKOW
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/472L_S472_648S-Metiskow.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
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138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -749L_S749E_648S-METISKOW

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_S749E_648S-Metiskow.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.50000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.50000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.50000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.50000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.50000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -749L_S749E_648S-METISKOW

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_S749E_648S-Metiskow.out

TUE, DEC 06 2016 21:59

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -749L_S749E_648S-METISKOW

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_S749E_648S-Metiskow.out

TUE, DEC 06 2016 21:59

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -749L_S749E_648S-METISKOW

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_S749E_648S-Metiskow.out

TUE, DEC 06 2016 21:59

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

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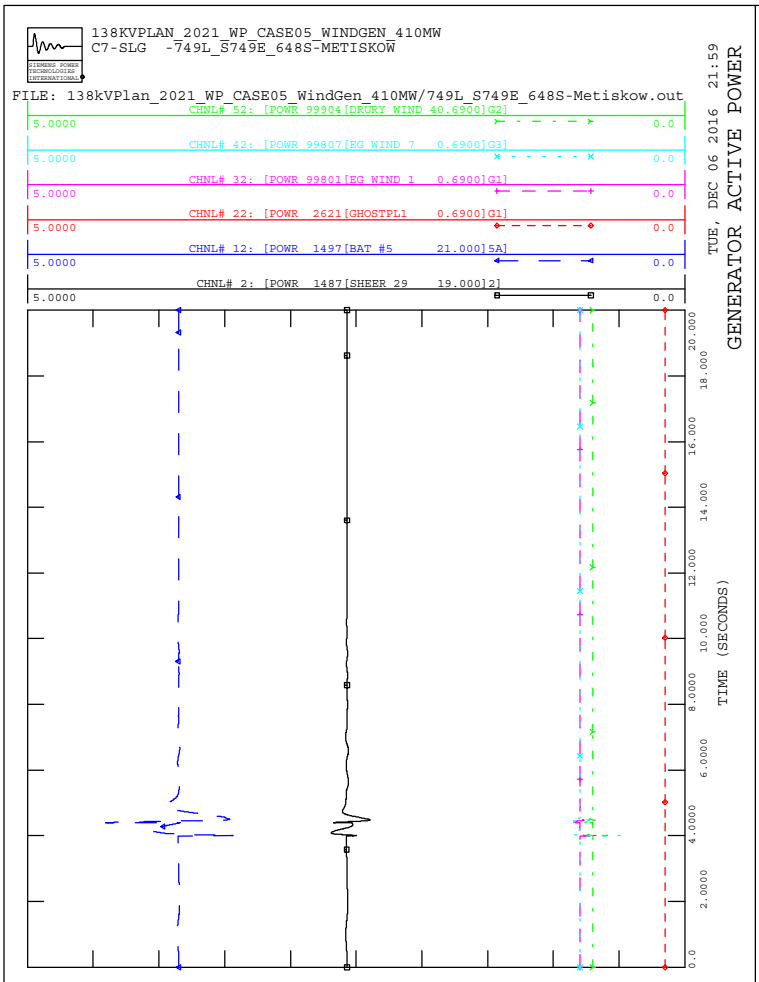
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C7-SLG -749L_S749E_648S-METISKOW
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_S749E_648S-Metiskow.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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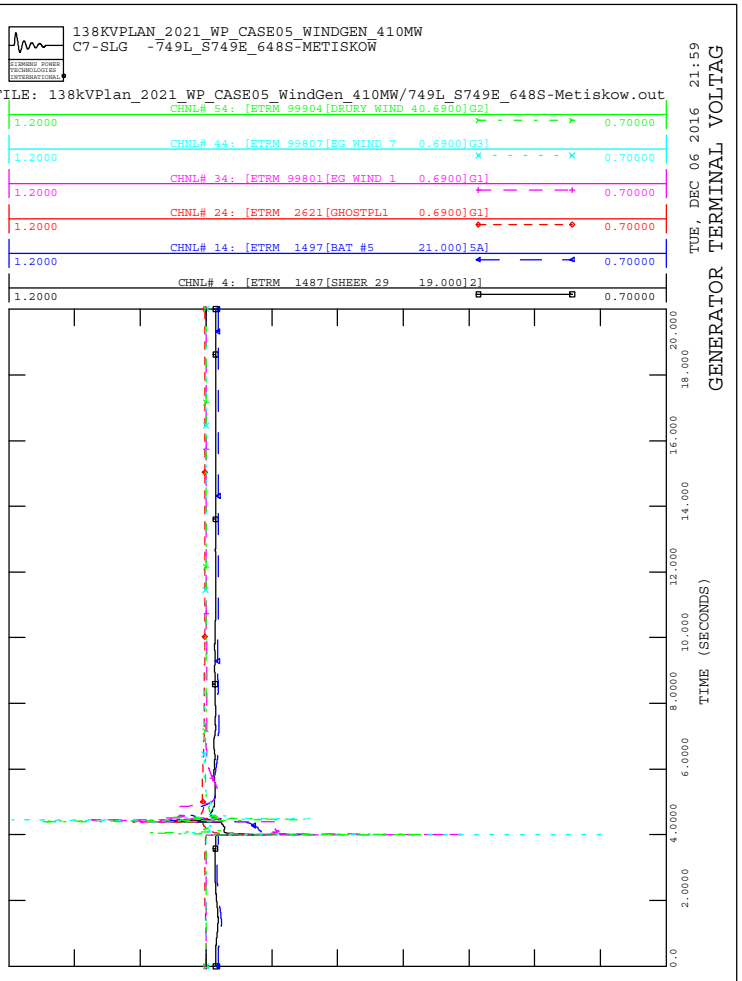
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -749L_S749E_648S-METISKOW
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_S749E_648S-Metiskow.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
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CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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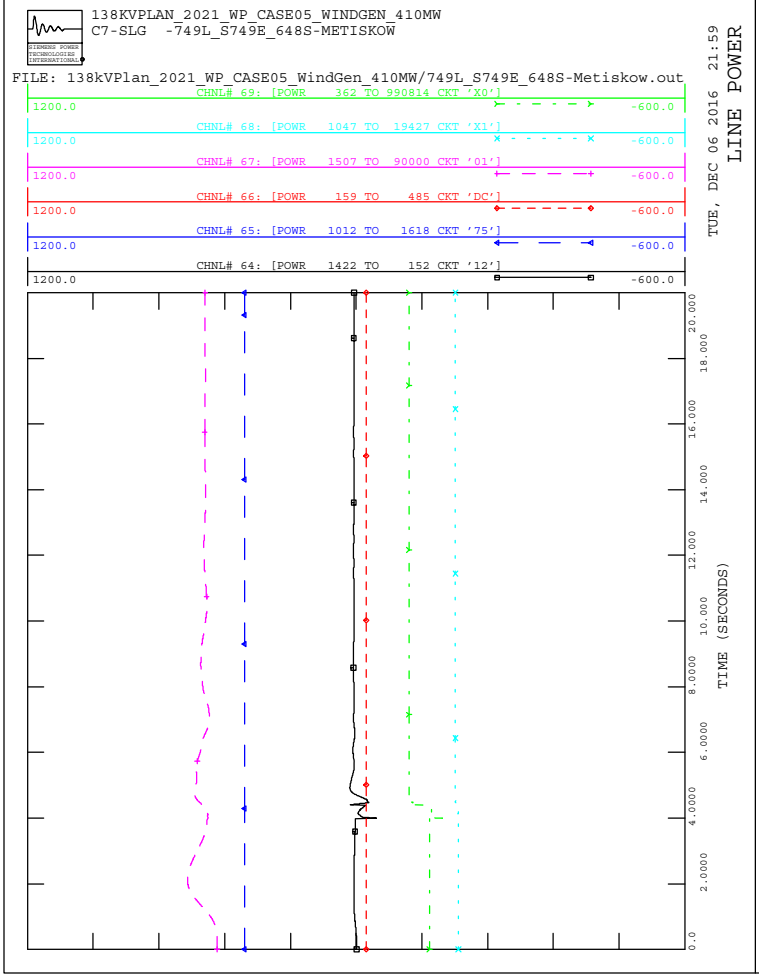
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -749L_S749E_648S-METISKOW
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_S749E_648S-Metiskow.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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TUE, DEC 06 2016 21:59
LINE POWER
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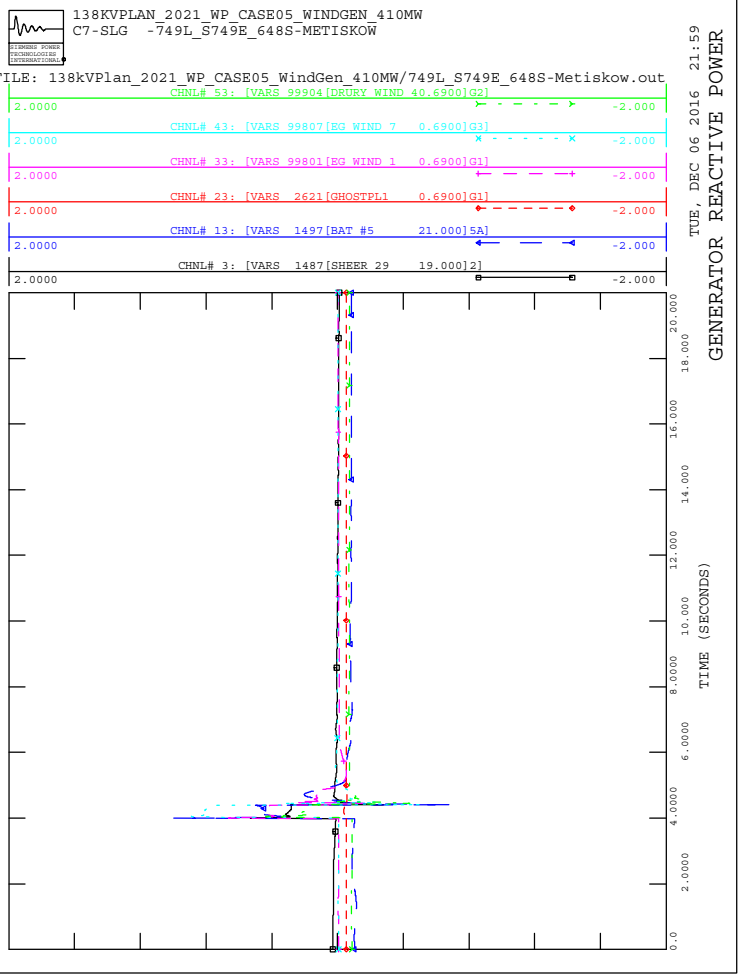
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C7-SLG -749L_S749E_648S-METISKOW
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
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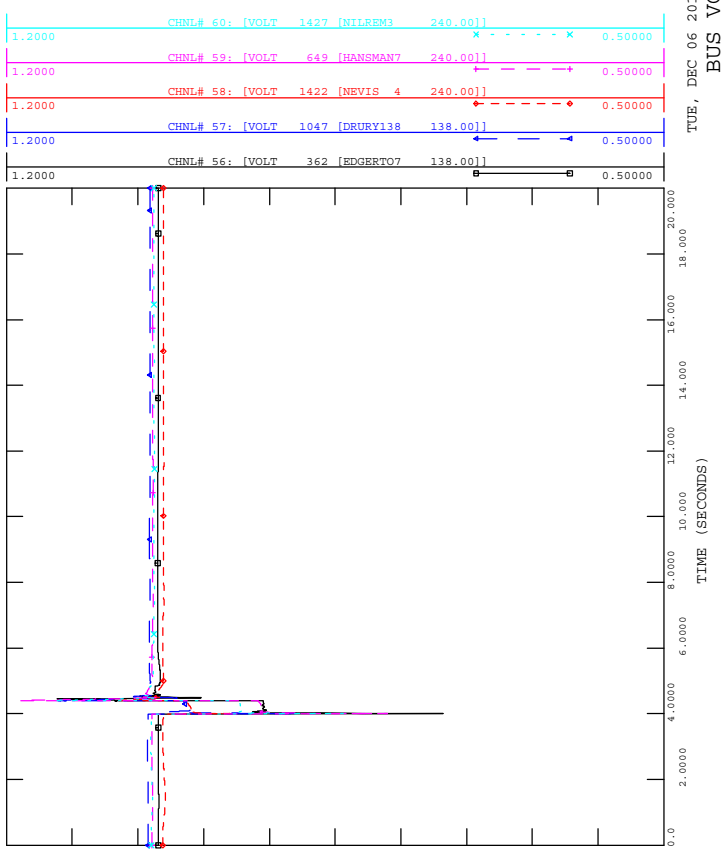
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -885L_S885_648S-METISKOW

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_S885_648S-Metiskow.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE



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C7-SLG -885L_S885_648S-METISKOW

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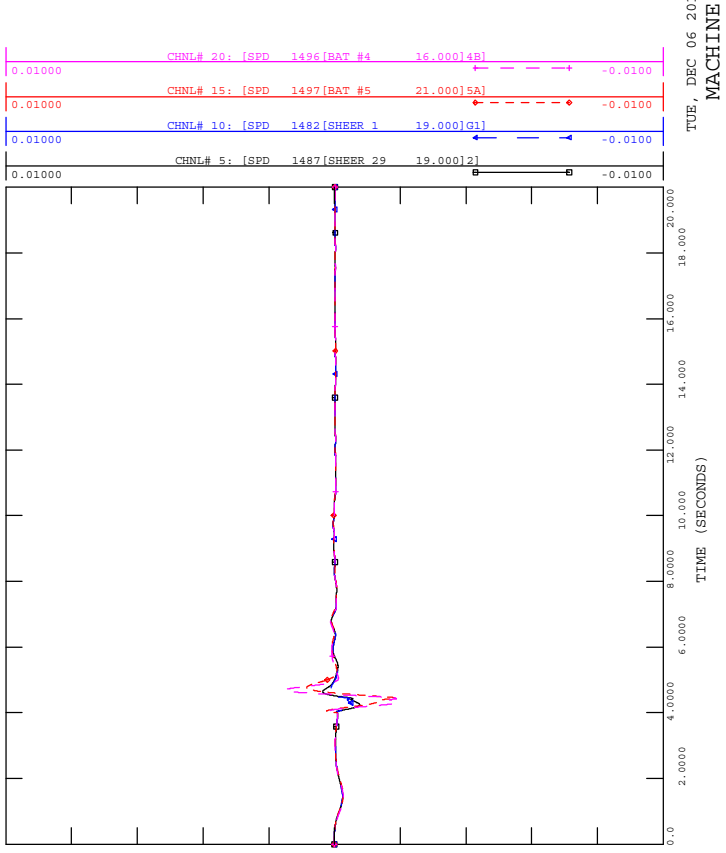

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C7-SLG -885L_S885_648S-METISKOW

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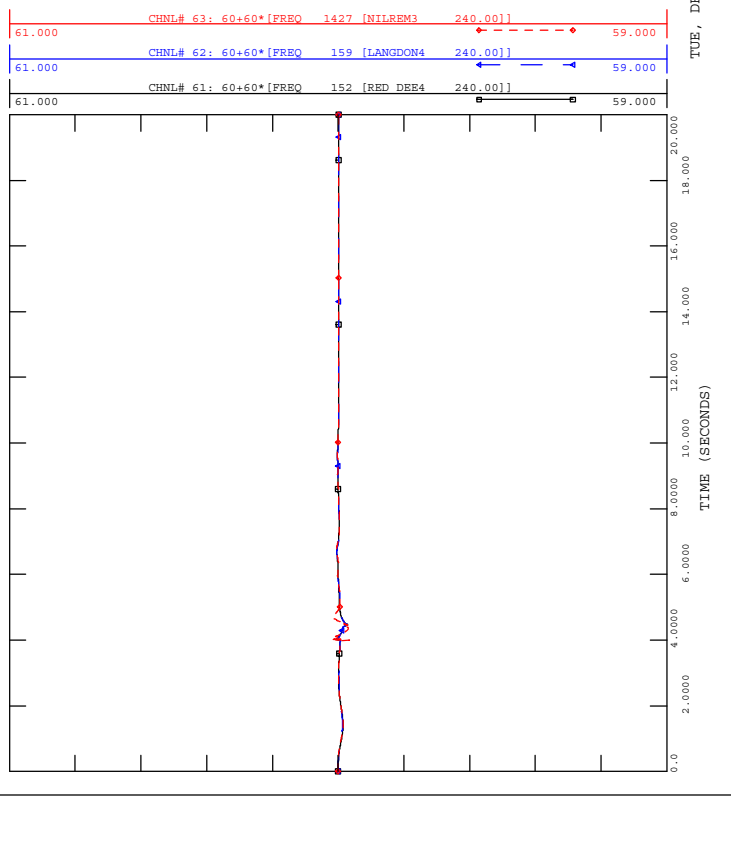
FREQUENCY



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C7-SLG -885L_S885_648S-METISKOW

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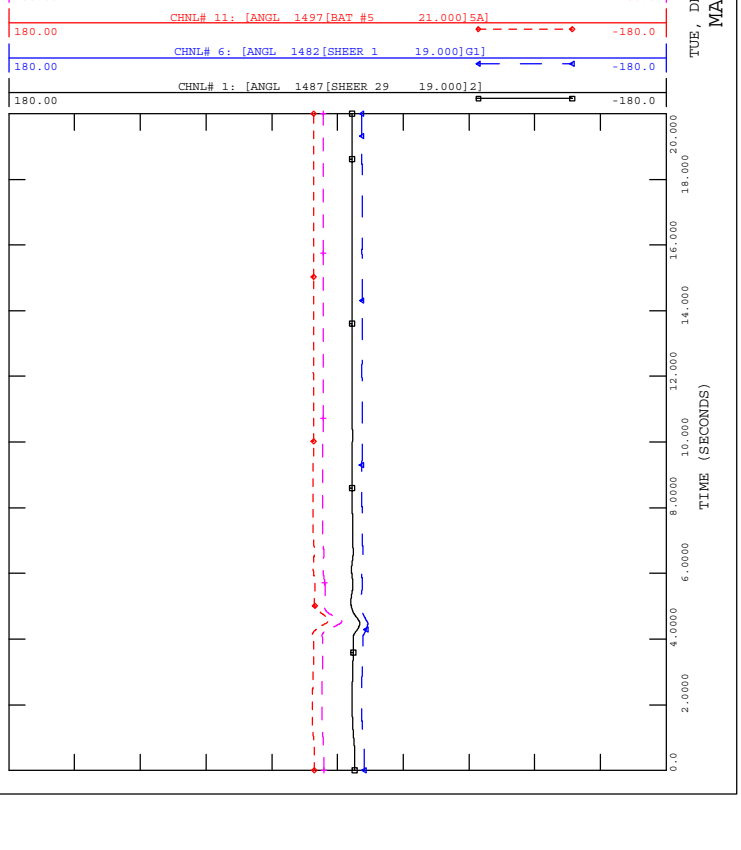
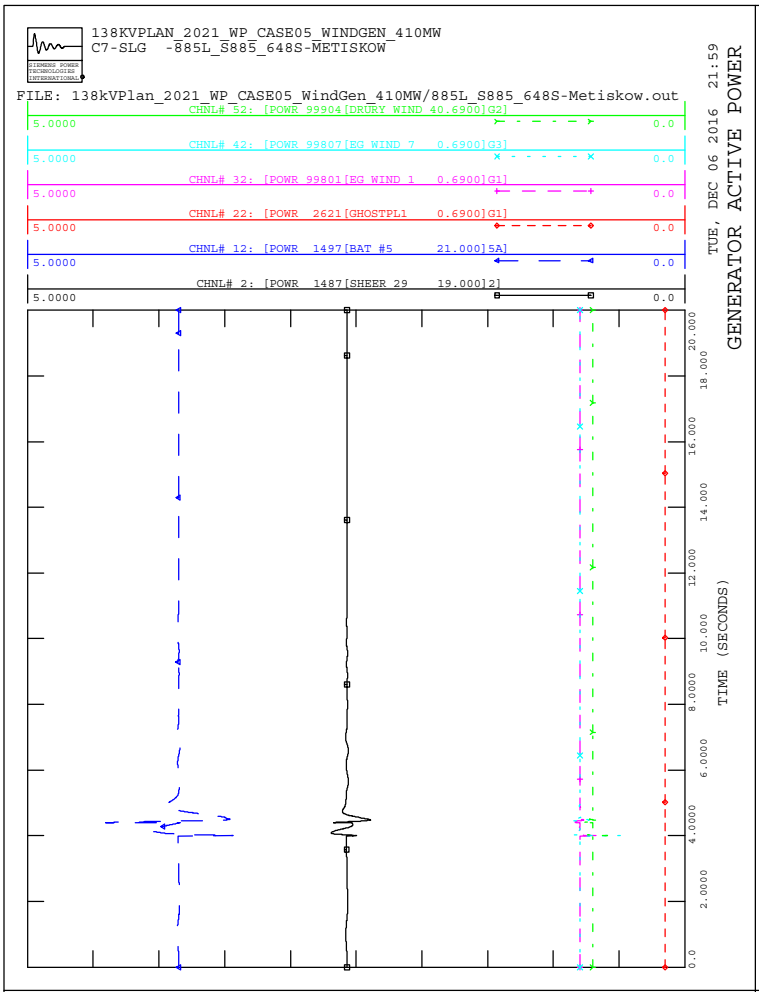
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -885L_S885_648S-METISKOW
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
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CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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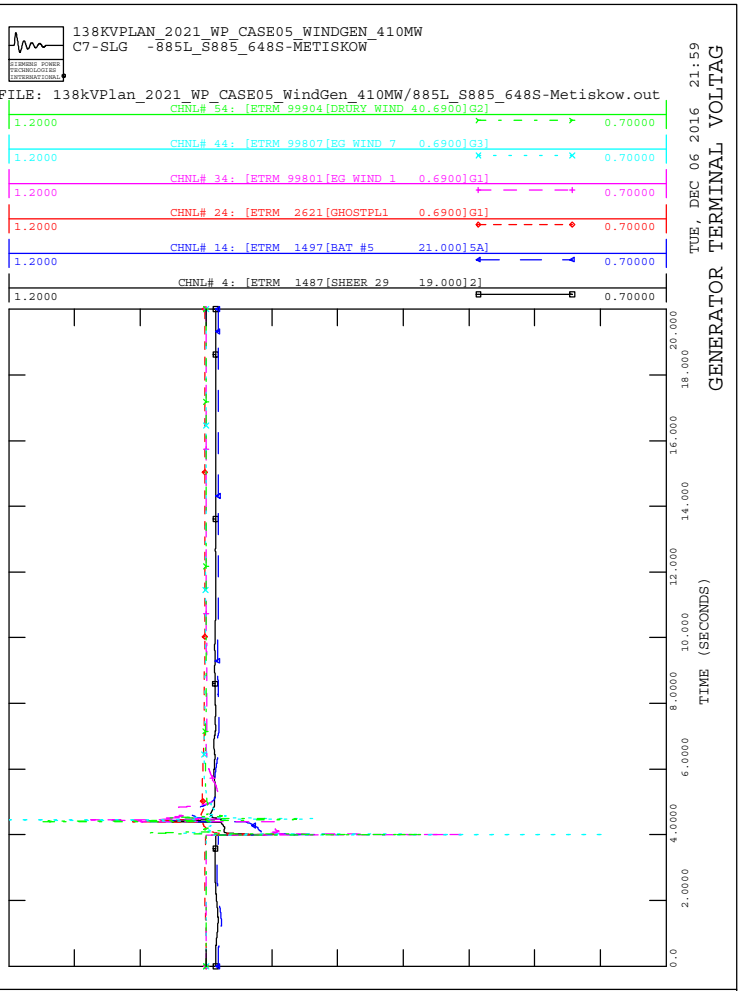
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -885L_S885_648S-METISKOW
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_S885_648S-Metiskow.out
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GENERATOR TERMINAL VOLTAG
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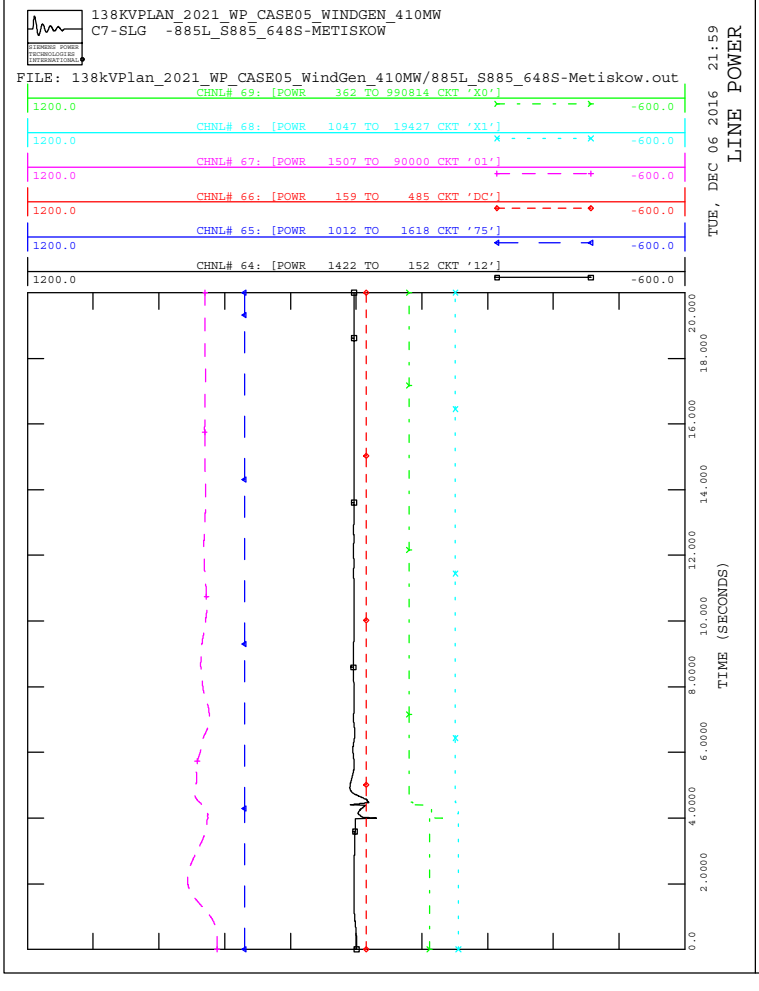
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -885L_S885_648S-METISKOW
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_S885_648S-Metiskow.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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TUE, DEC 06 2016 21:59
LINE POWER
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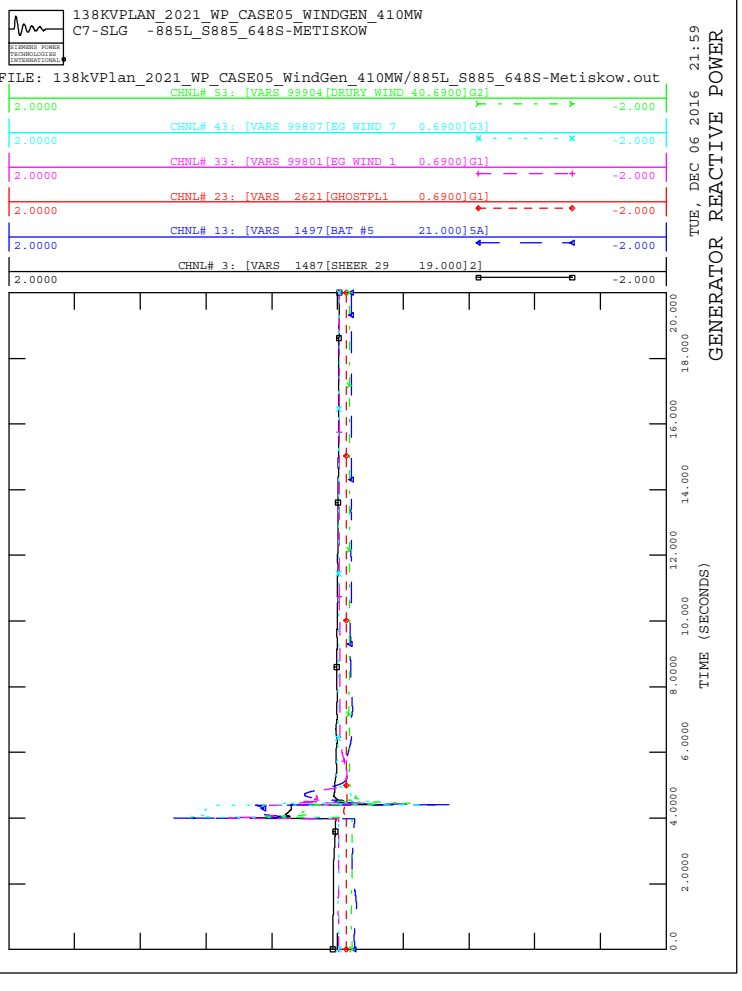
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TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
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138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S29_648S-METISKOW

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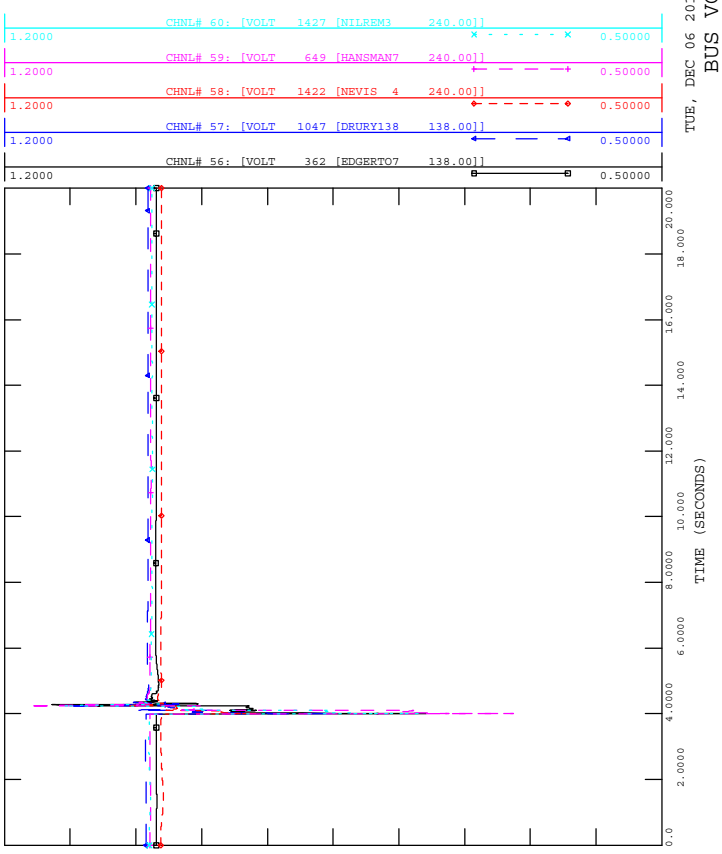
TUE, DEC 06 2016 21:59

BUS VOLTAGE

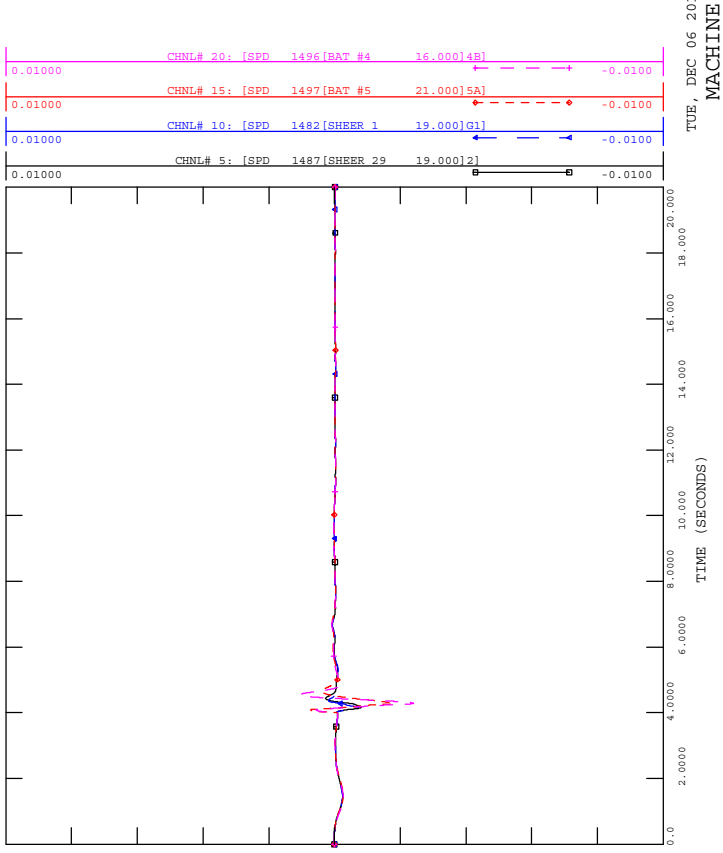


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S29_648S-METISKOW

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_S29_648S-Metiskow.out

TUE, DEC 06 2016 21:59

MACHINE SPEED

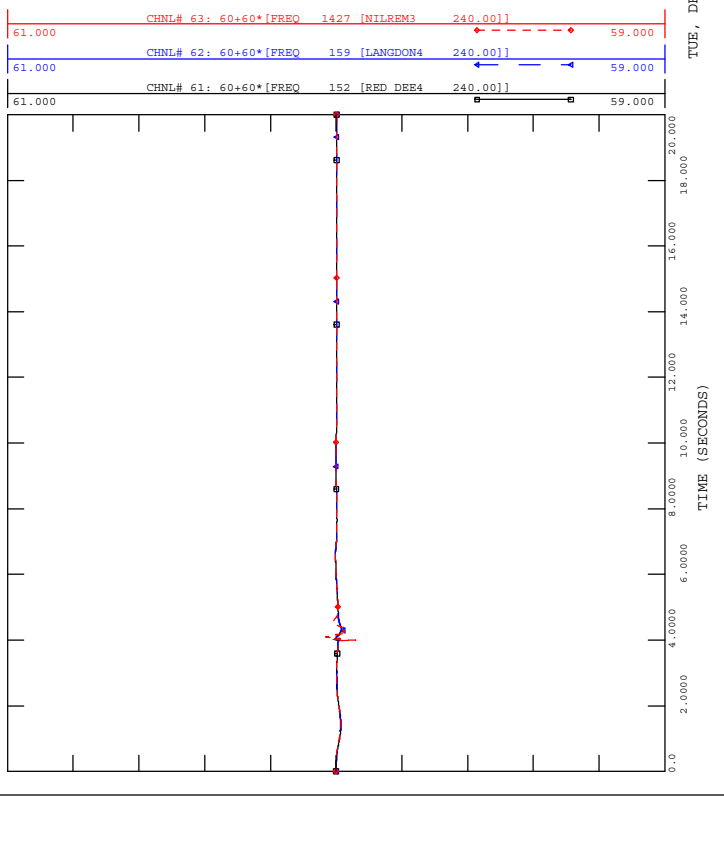


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S29_648S-METISKOW

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_S29_648S-Metiskow.out

TUE, DEC 06 2016 21:59

FREQUENCY

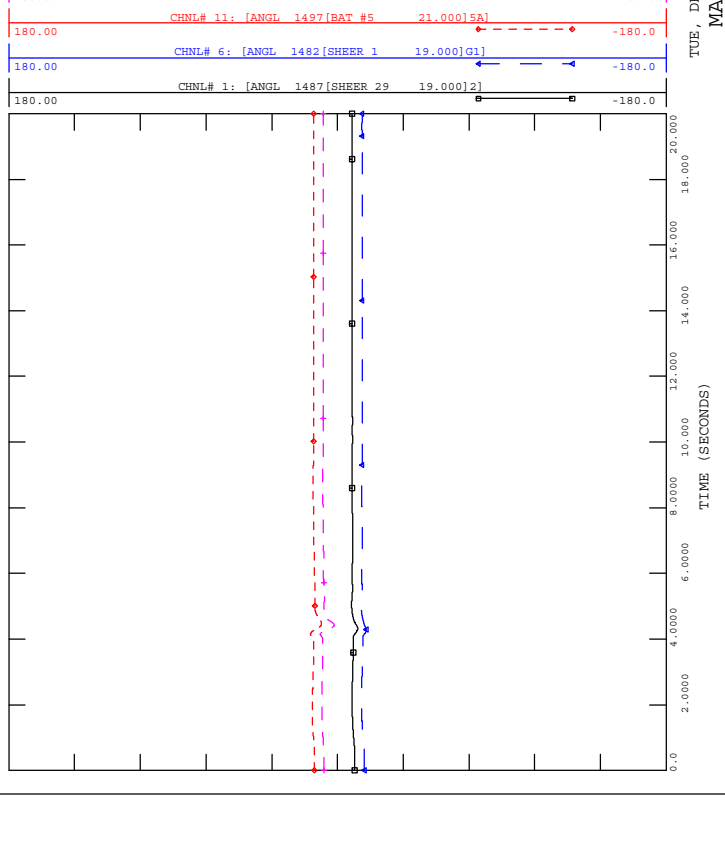


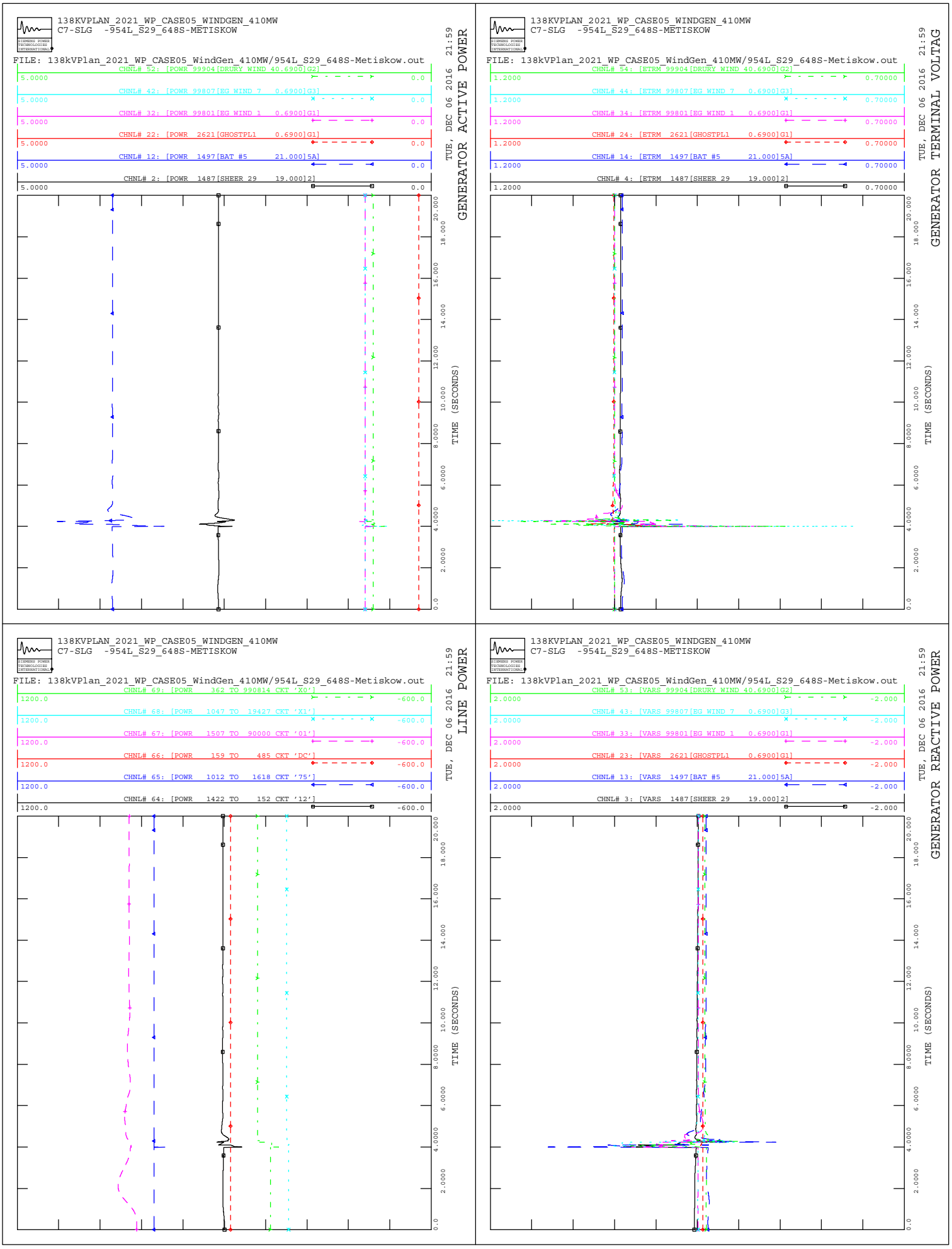
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S29_648S-METISKOW

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_S29_648S-Metiskow.out

TUE, DEC 06 2016 21:59

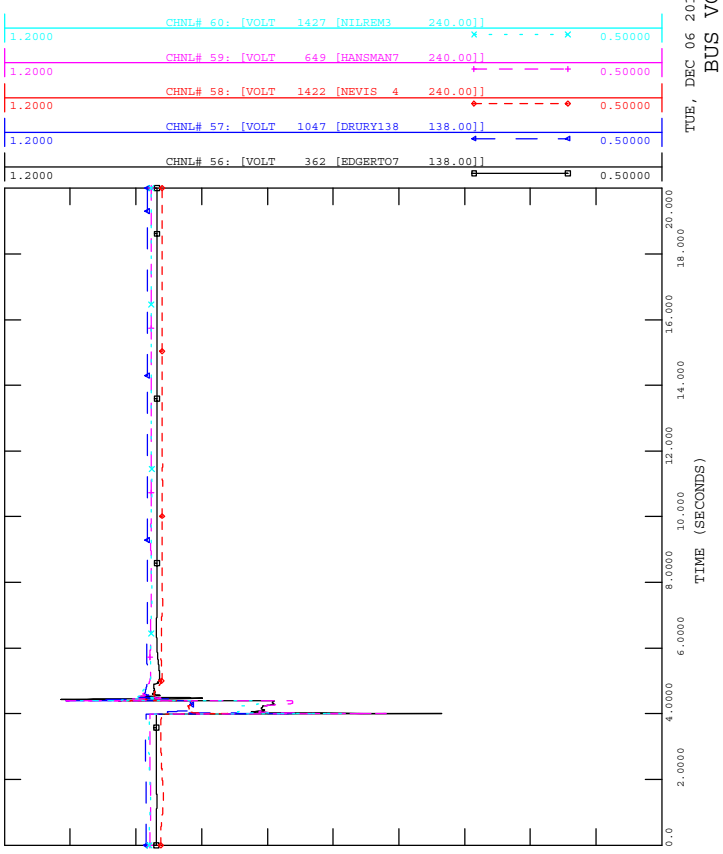
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S29_648S-METISKOW
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_S29_648S-Metiskow.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

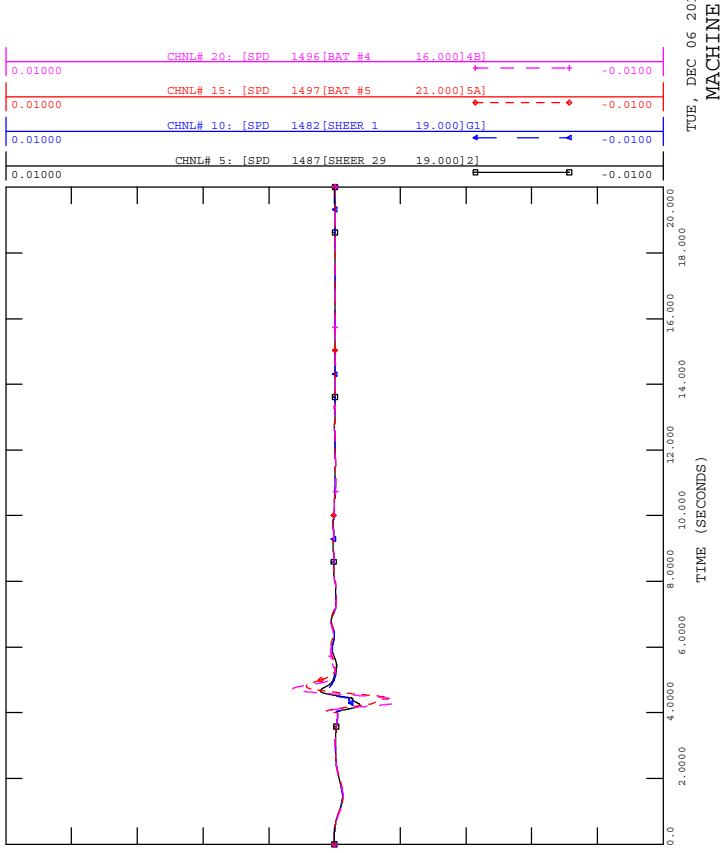
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/715L_S1352_650S-Hansman Lake



TUE, DEC 06 2016 21:59
BUS VOLTAGE

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

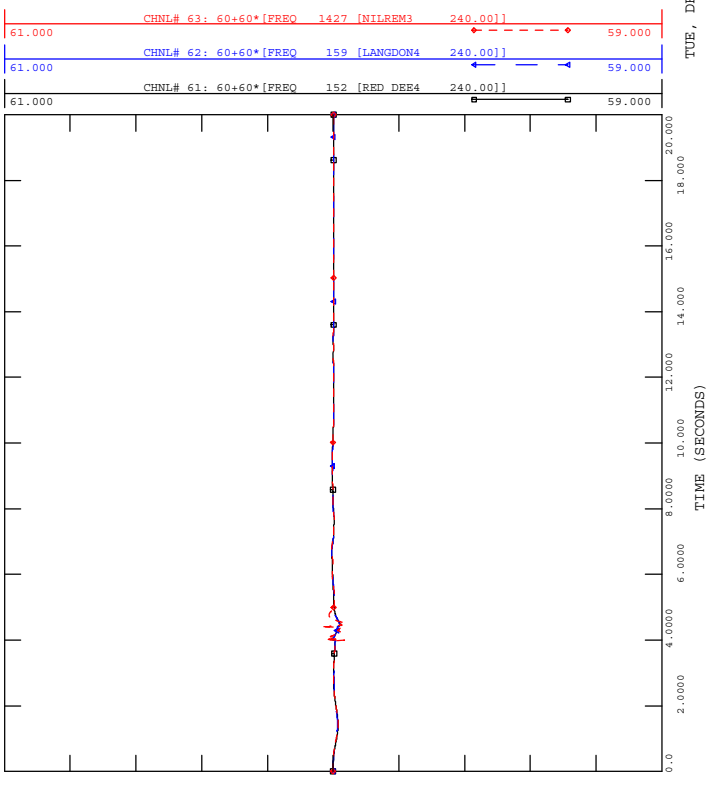
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/715L_S1352_650S-Hansman Lake



TUE, DEC 06 2016 21:59
MACHINE SPEED

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

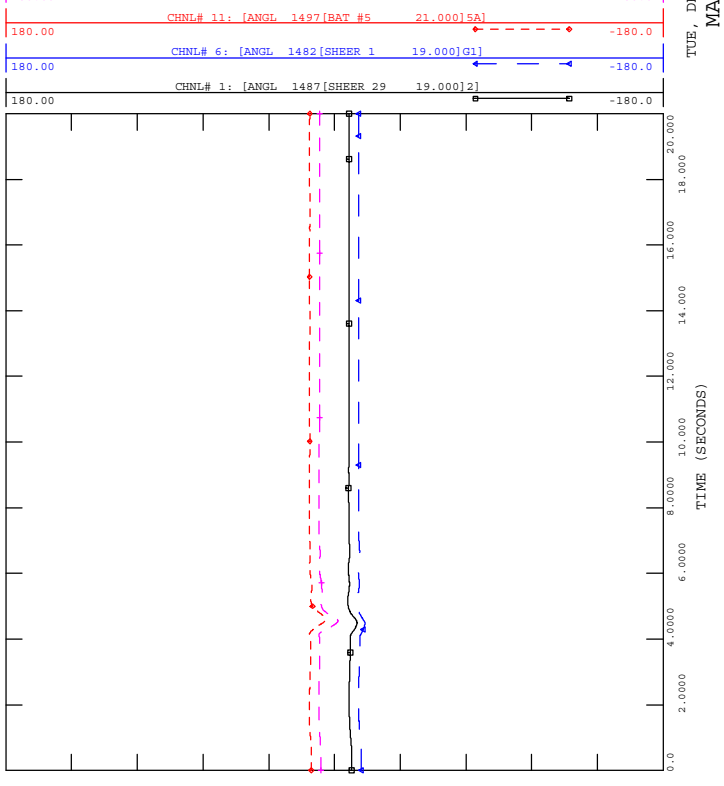
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/715L_S1352_650S-Hansman Lake



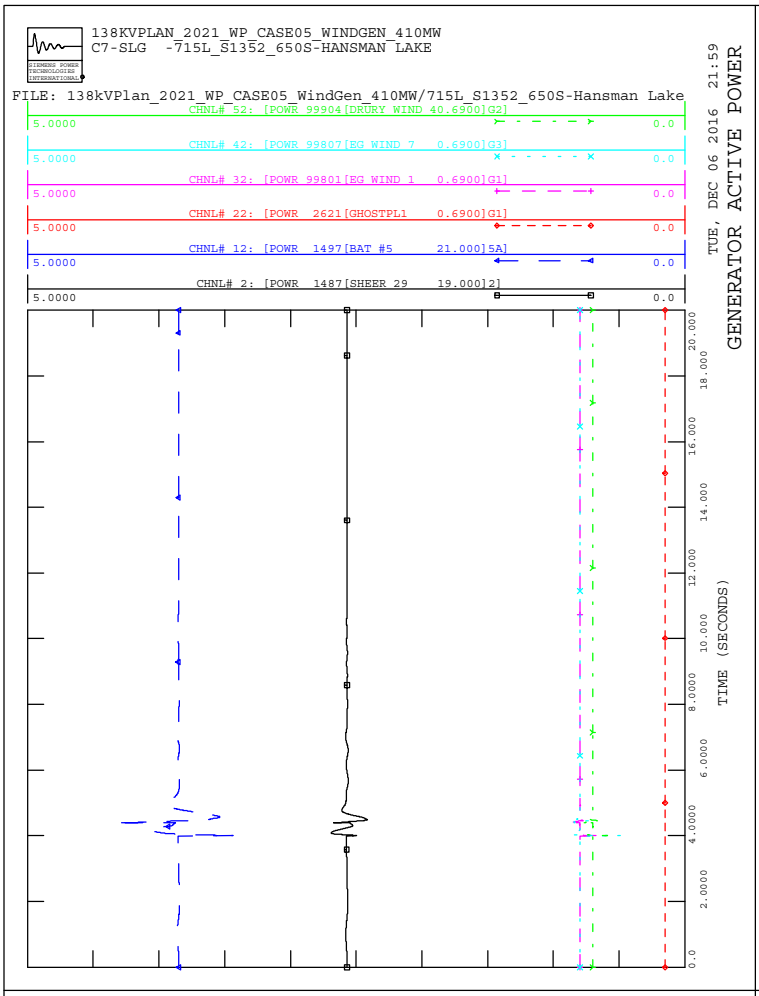
TUE, DEC 06 2016 21:59
FREQUENCY

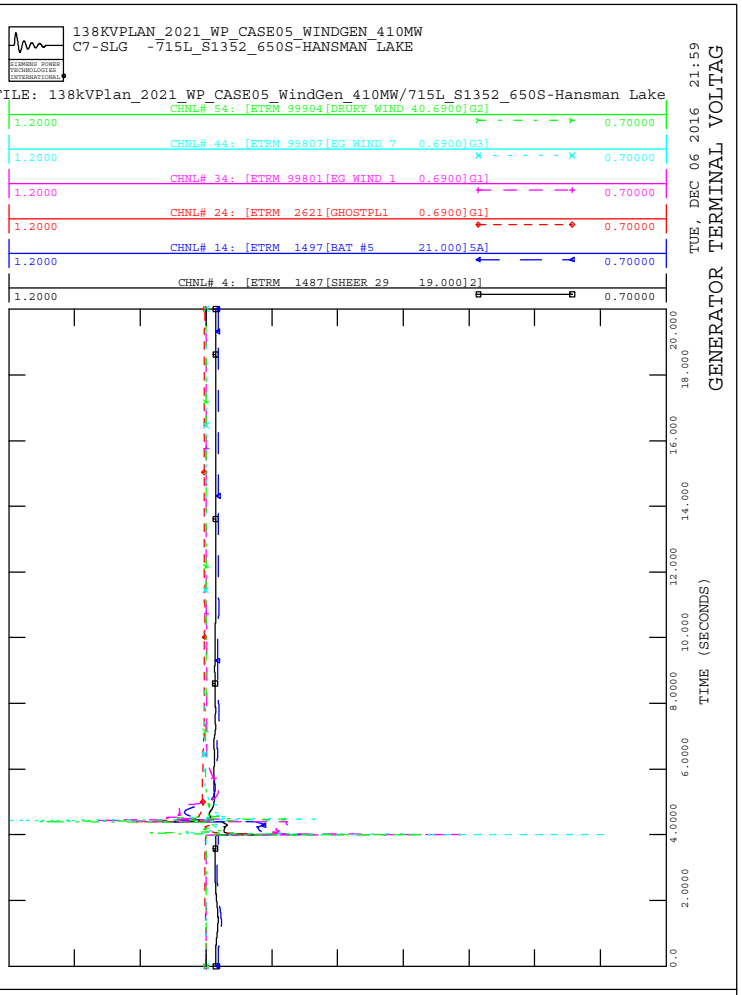
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

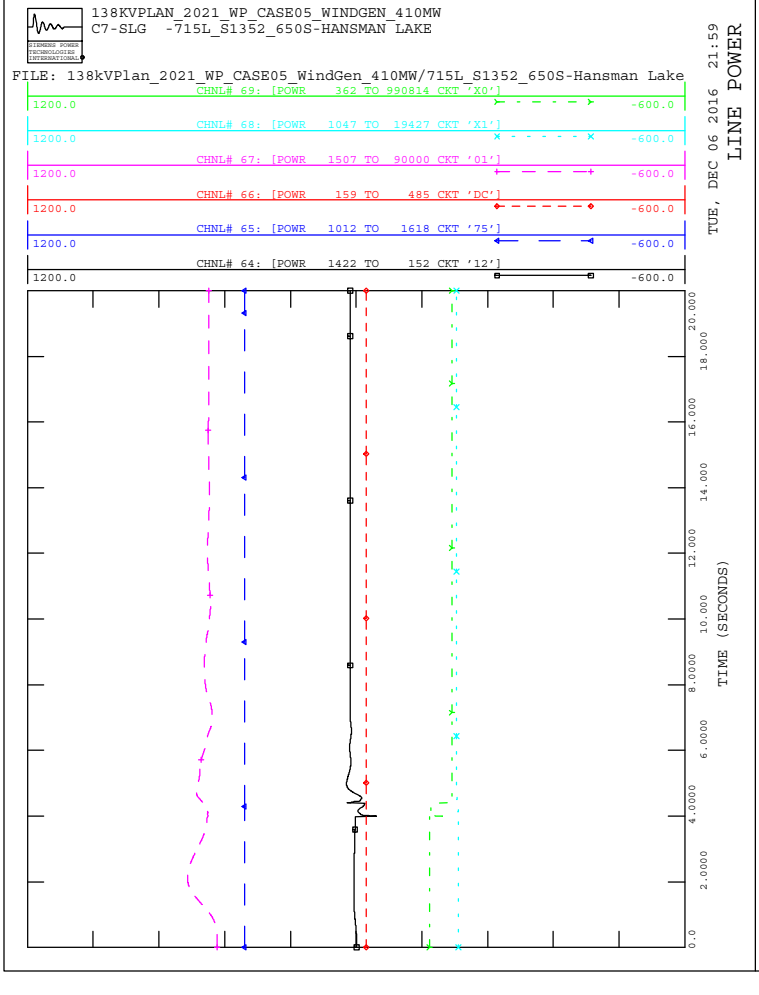
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/715L_S1352_650S-Hansman Lake

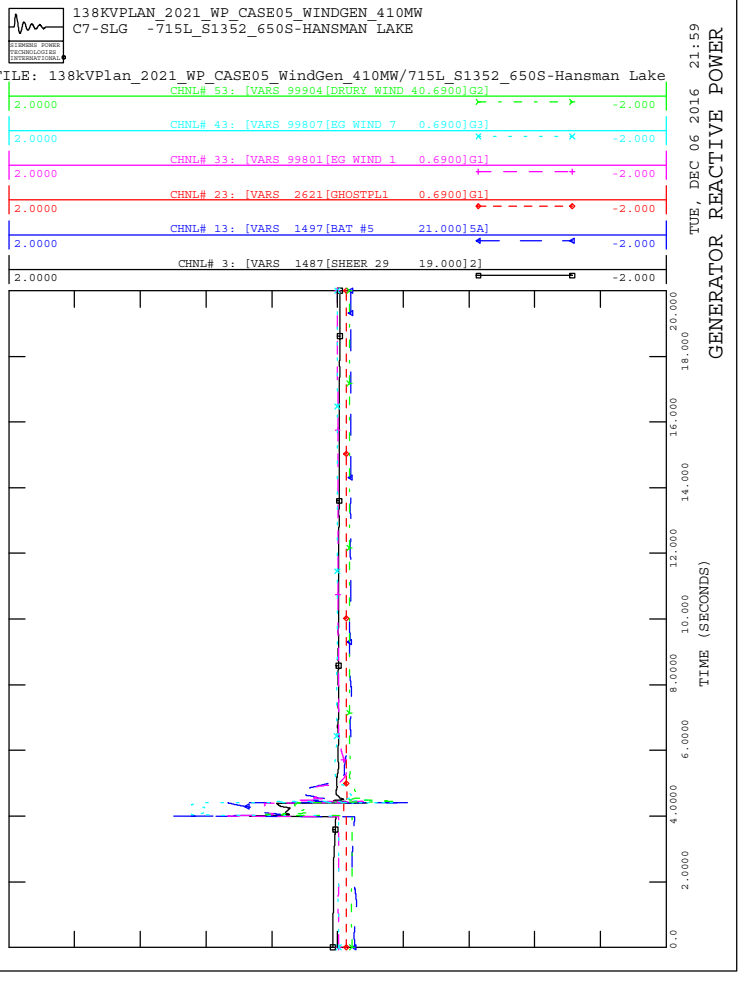


TUE, DEC 06 2016 21:59
MACHINE ANGLE


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/715L_S1352_650S-Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/715L_S1352_650S-Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/715L_S1352_650S-Hansman Lake
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

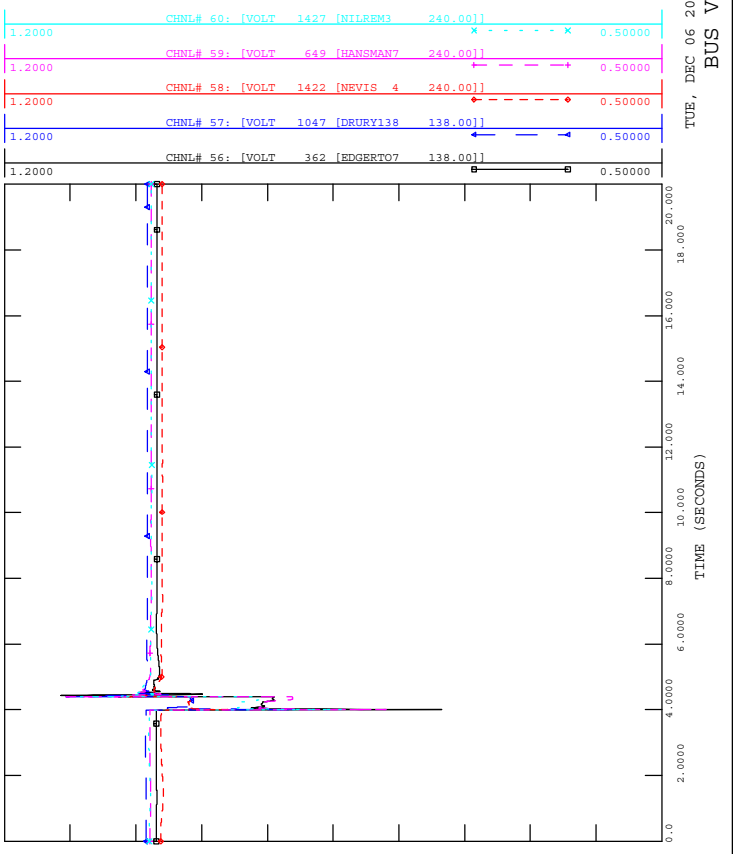

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/715L_S1352_650S-Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L224_S1752_650S-Hansman Lak

TUE, DEC 06 2016 21:59

BUS VOLTAGE

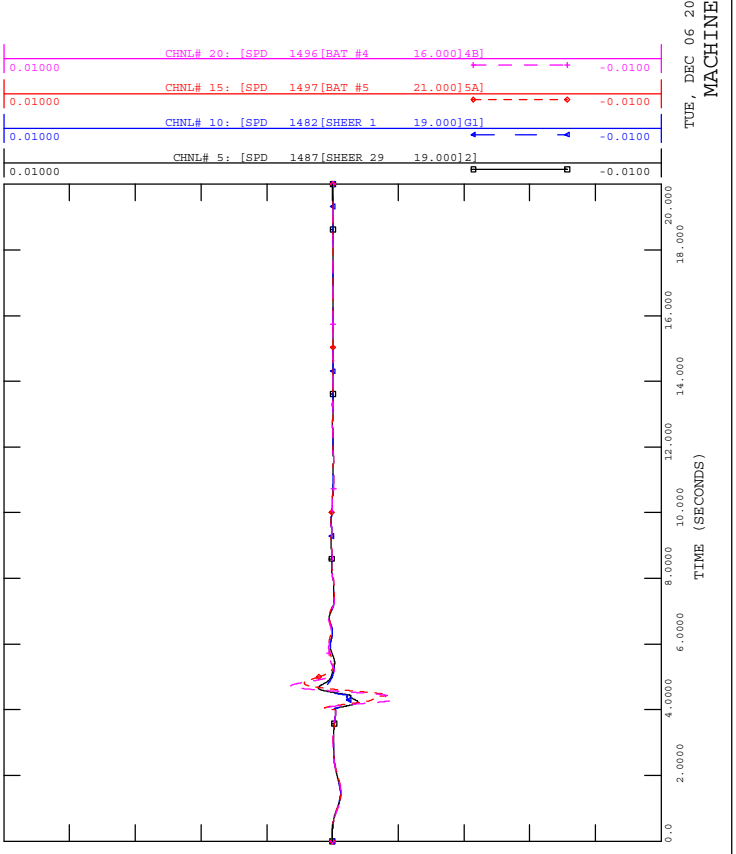


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L224_S1752_650S-Hansman Lak

TUE, DEC 06 2016 21:59

MACHINE SPEED

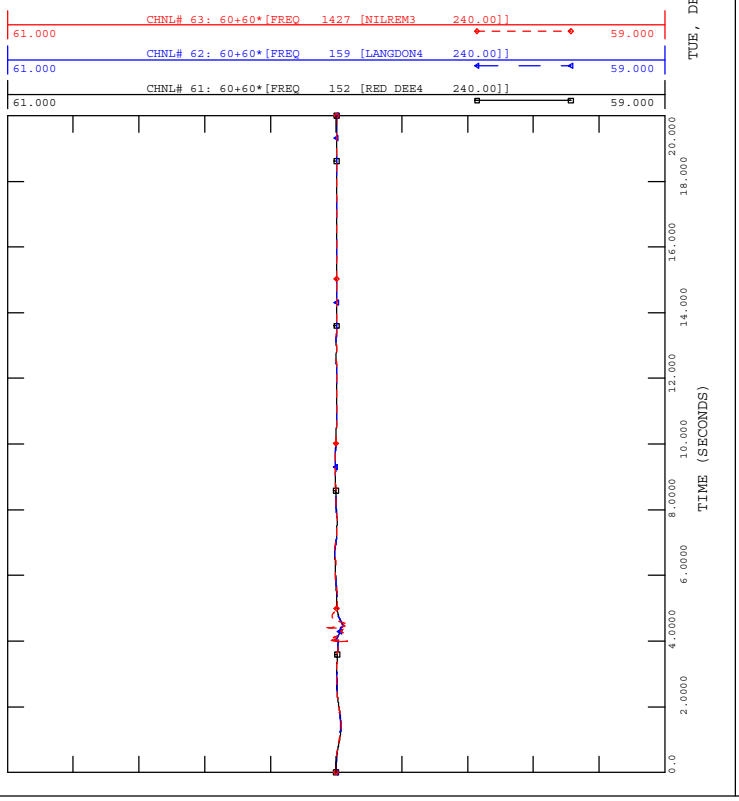


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L224_S1752_650S-Hansman Lak

TUE, DEC 06 2016 21:59

FREQUENCY

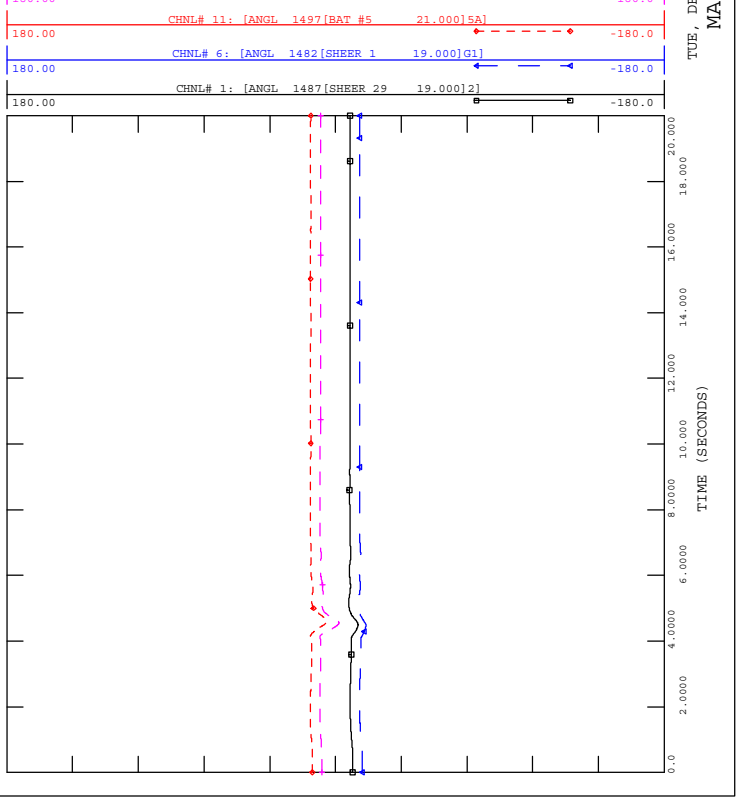


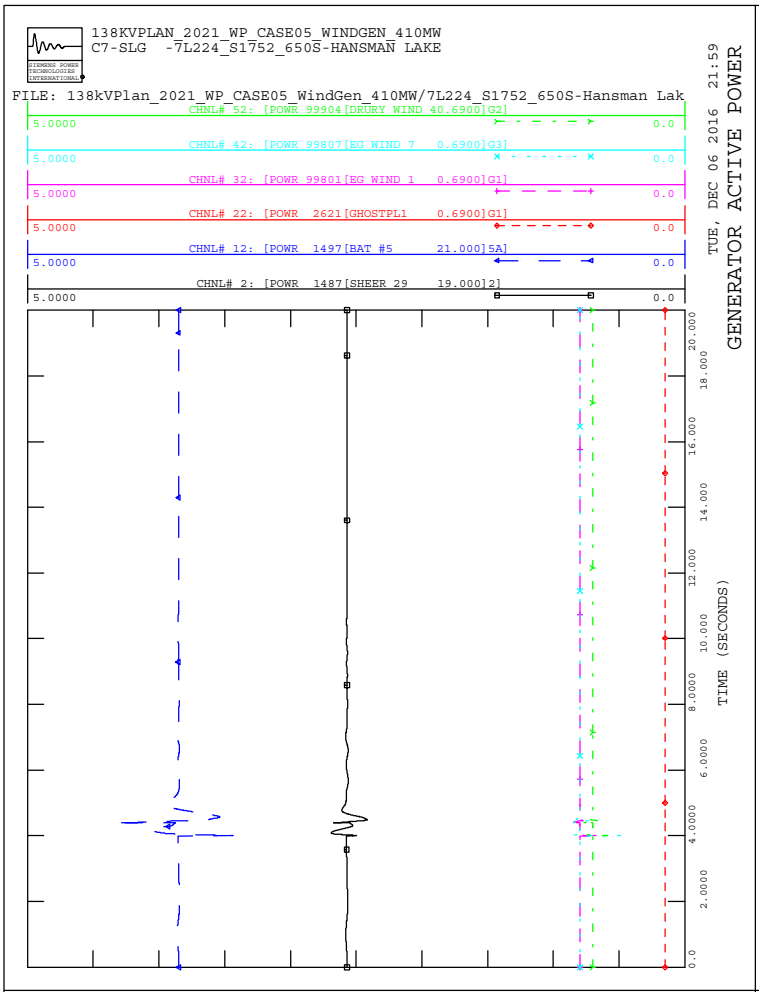
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

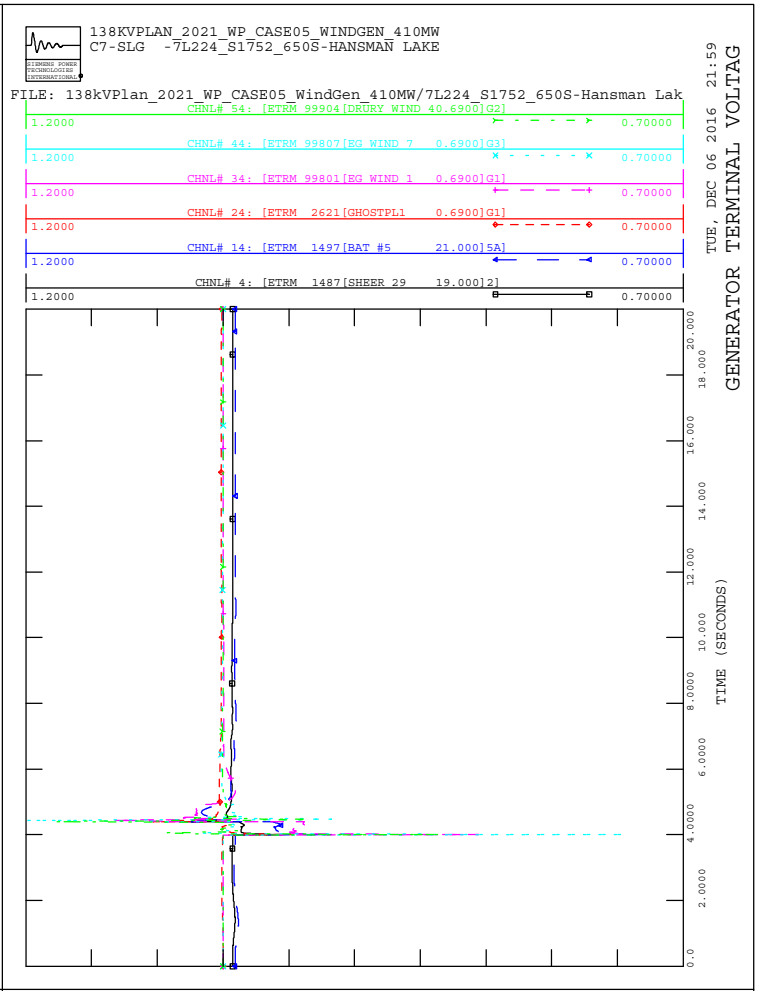
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L224_S1752_650S-Hansman Lak

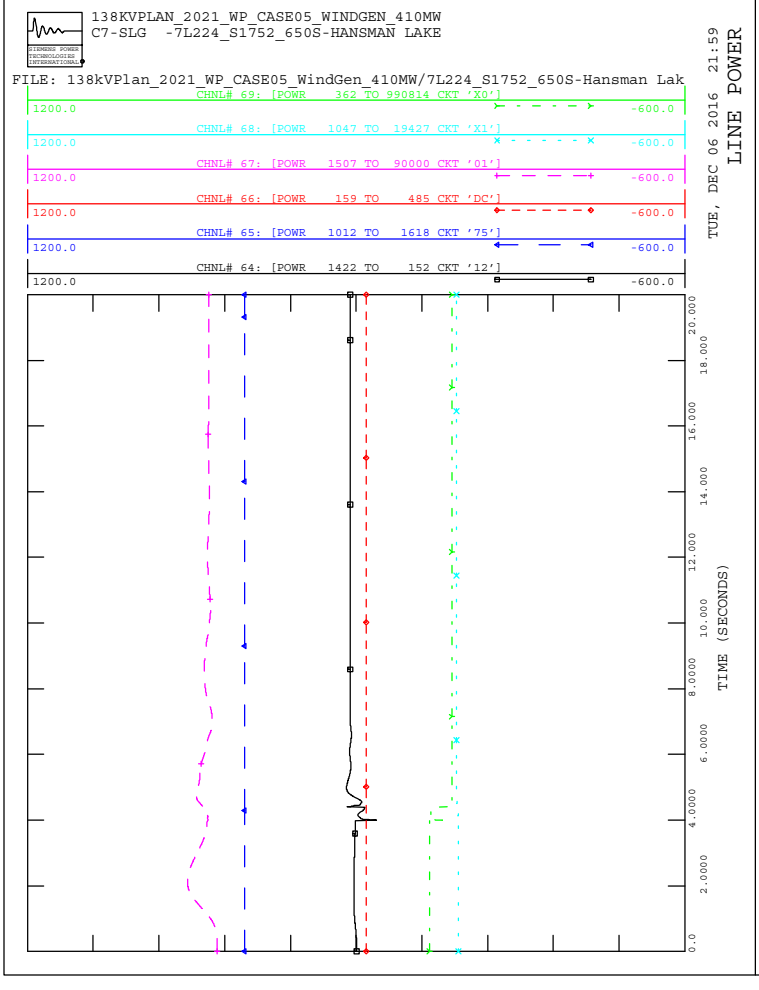
TUE, DEC 06 2016 21:59

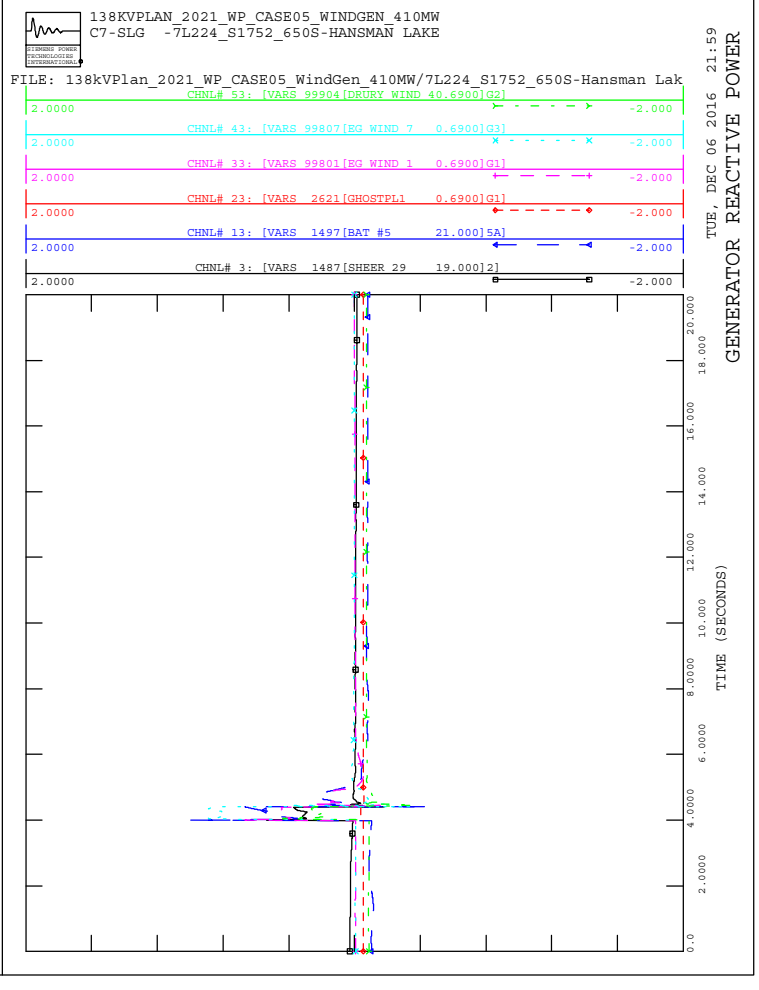
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L224_S1752_650S-Hansman Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)

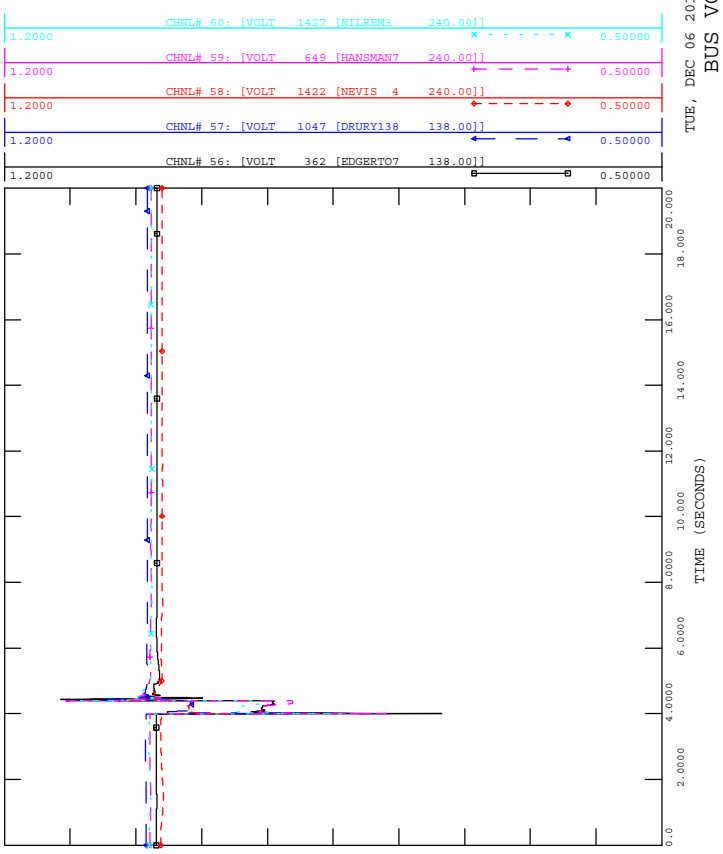

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L224_S1752_650S-Hansman Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L224_S1752_650S-Hansman Lak
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L224_S1752_650S-Hansman Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

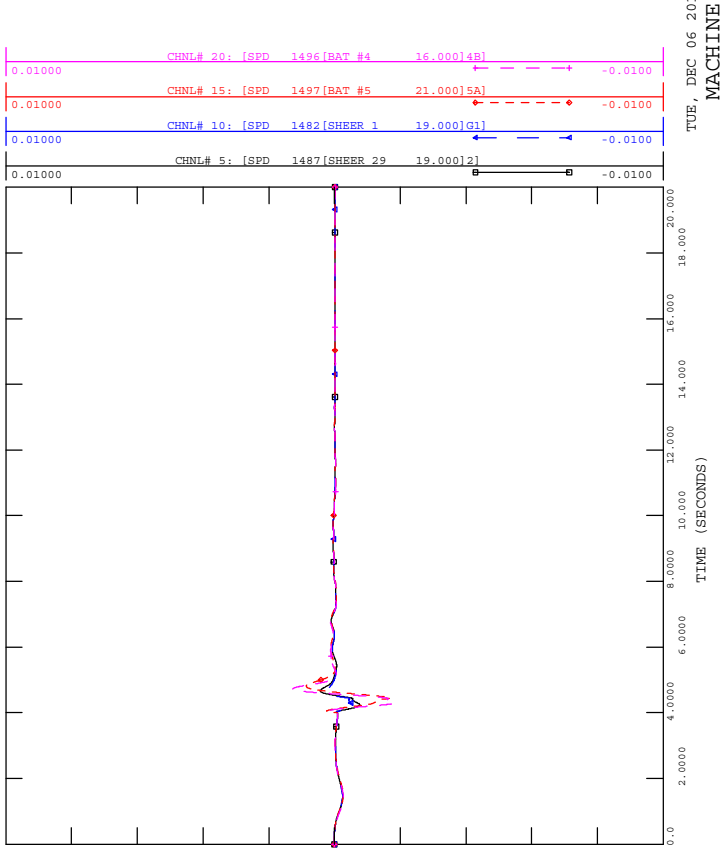
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_S1752_650S-Hansman Lake



TUE, DEC 06 2016 21:59
BUS VOLTAGE

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

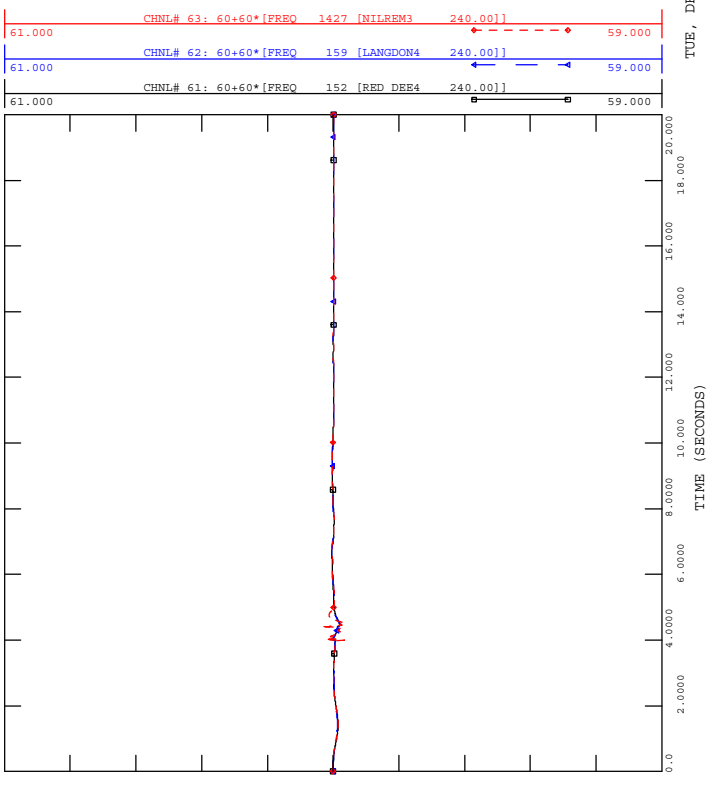
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_S1752_650S-Hansman Lake



TUE, DEC 06 2016 21:59
MACHINE SPEED

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

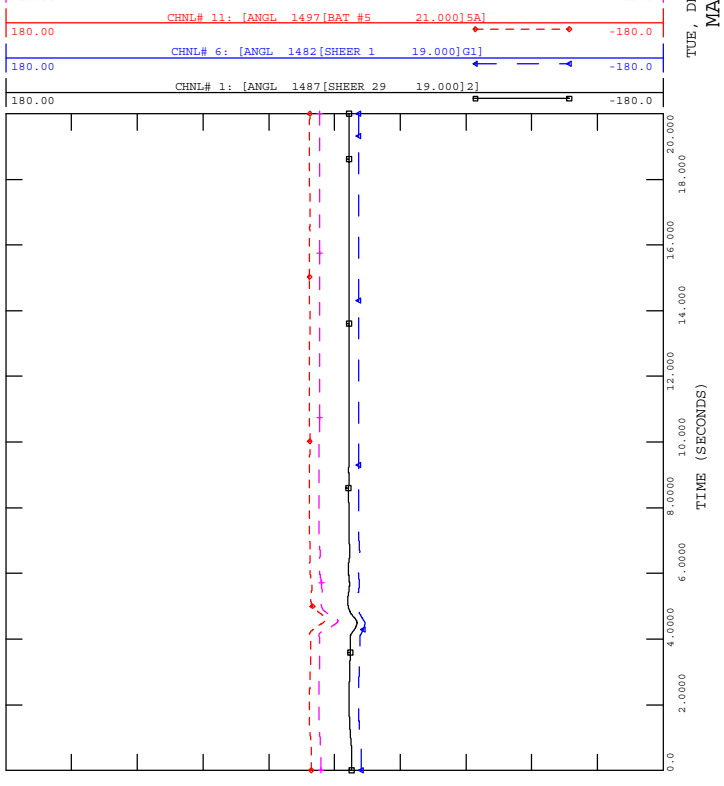
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_S1752_650S-Hansman Lake



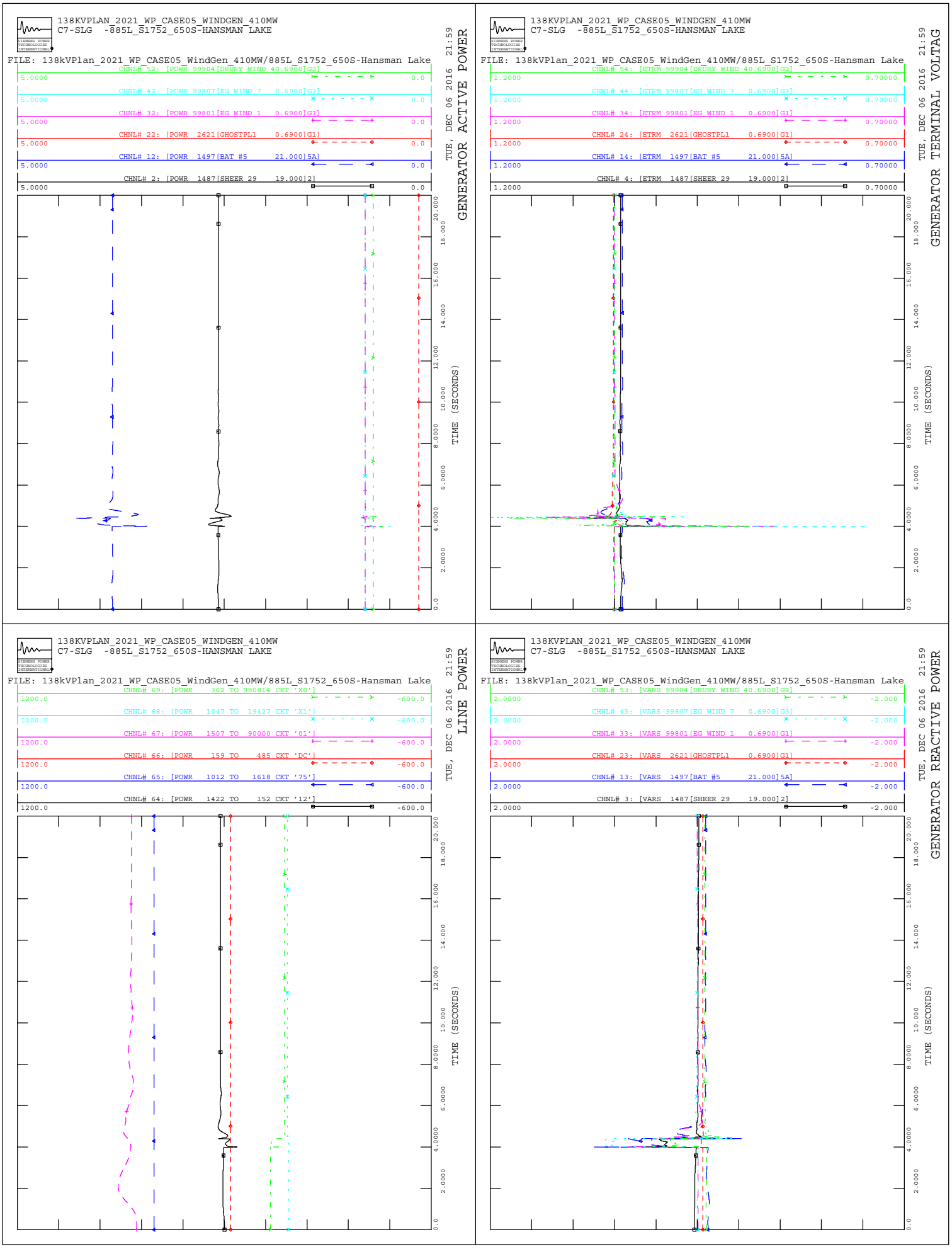
TUE, DEC 06 2016 21:59
FREQUENCY

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_S1752_650S-Hansman Lake



TUE, DEC 06 2016 21:59
MACHINE ANGLE

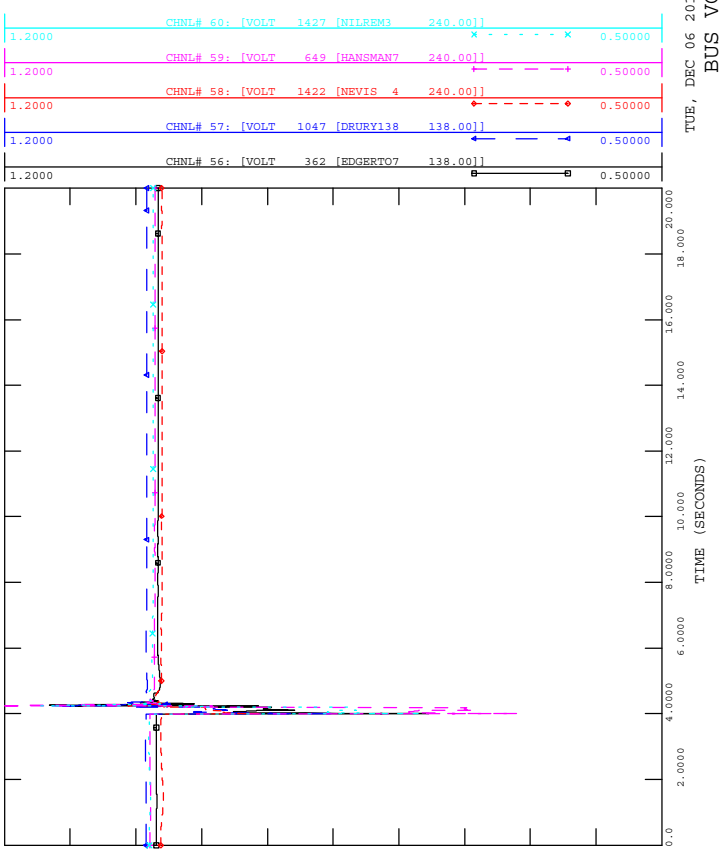

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_S1752_650S-Hansman Lake
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_S1752_650S-Hansman Lake
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_S1752_650S-Hansman Lake
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/885L_S1752_650S-Hansman Lake
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L_S852_650S-Hansman Lake.

TUE, DEC 06 2016 21:59

BUS VOLTAGE

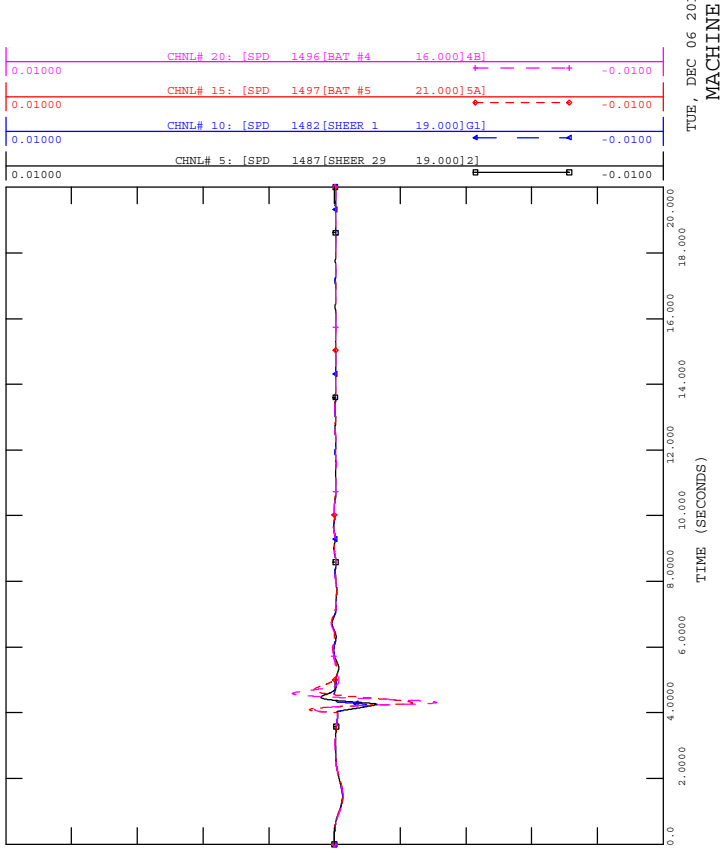


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L_S852_650S-Hansman Lake.

TUE, DEC 06 2016 21:59

MACHINE SPEED

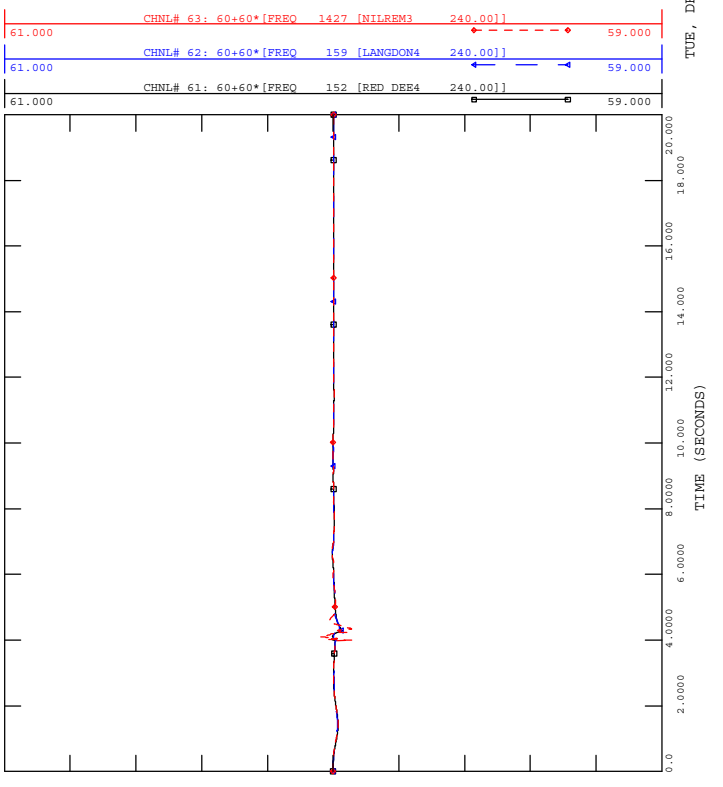


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L_S852_650S-Hansman Lake.

TUE, DEC 06 2016 21:59

FREQUENCY

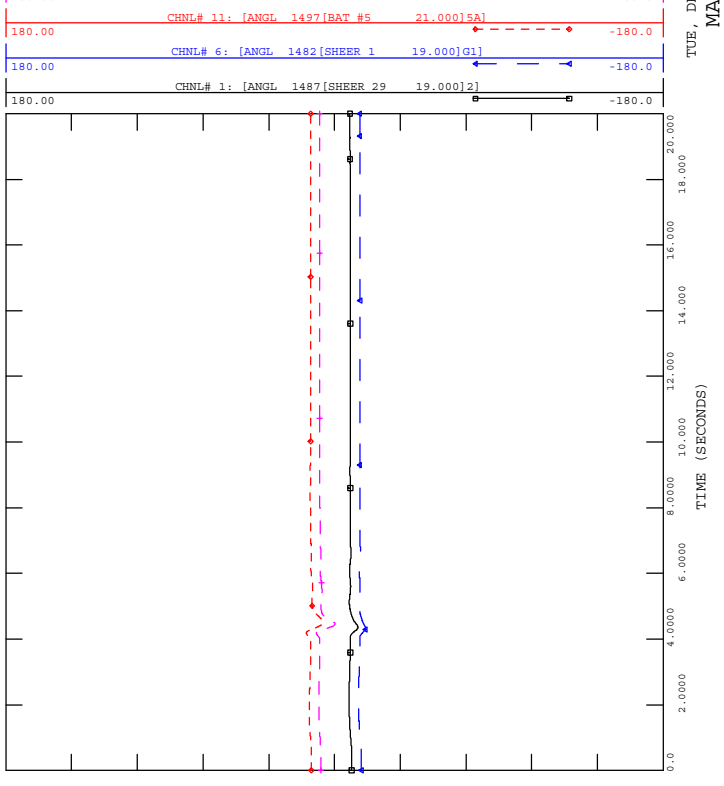


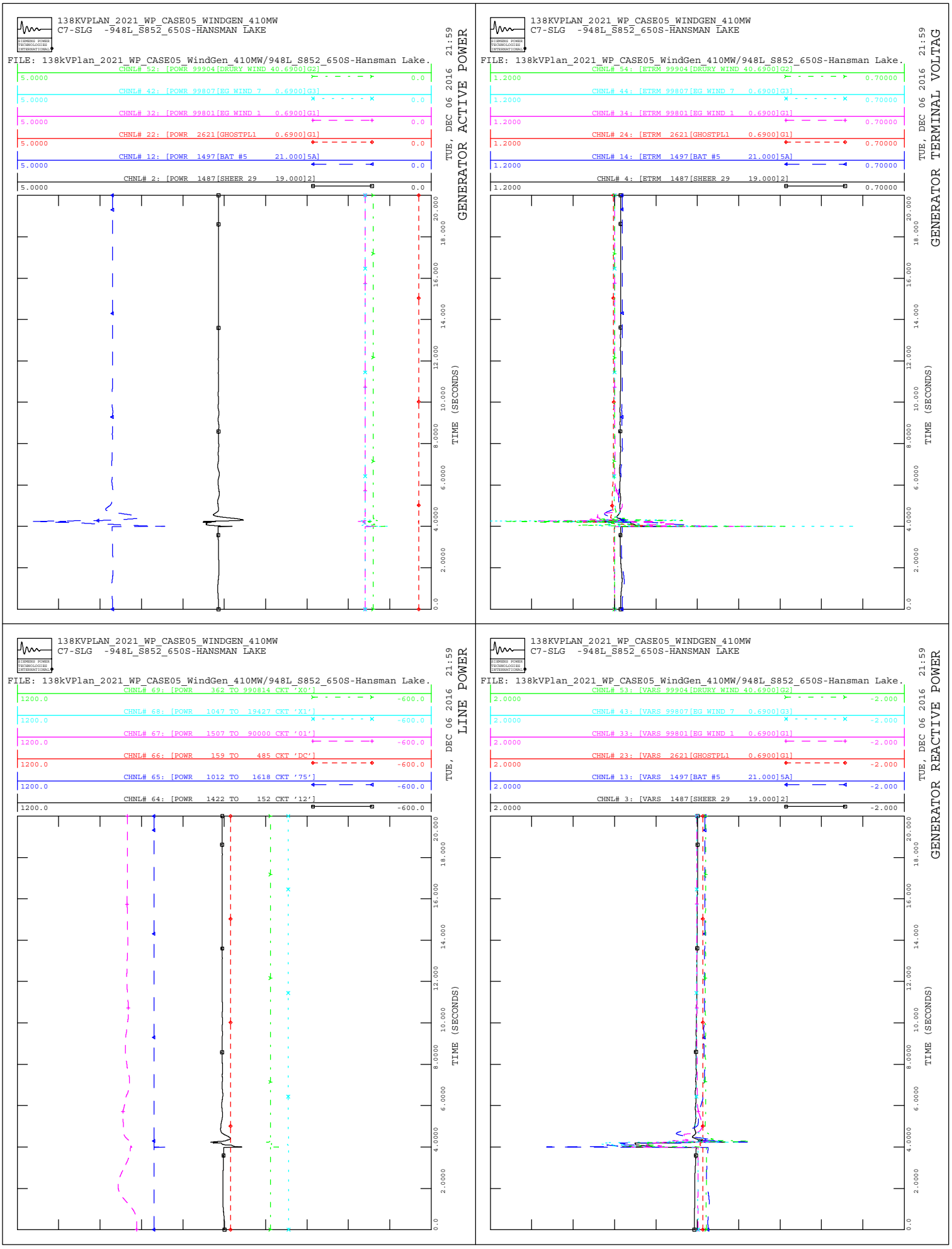
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L_S852_650S-Hansman Lake.

TUE, DEC 06 2016 21:59

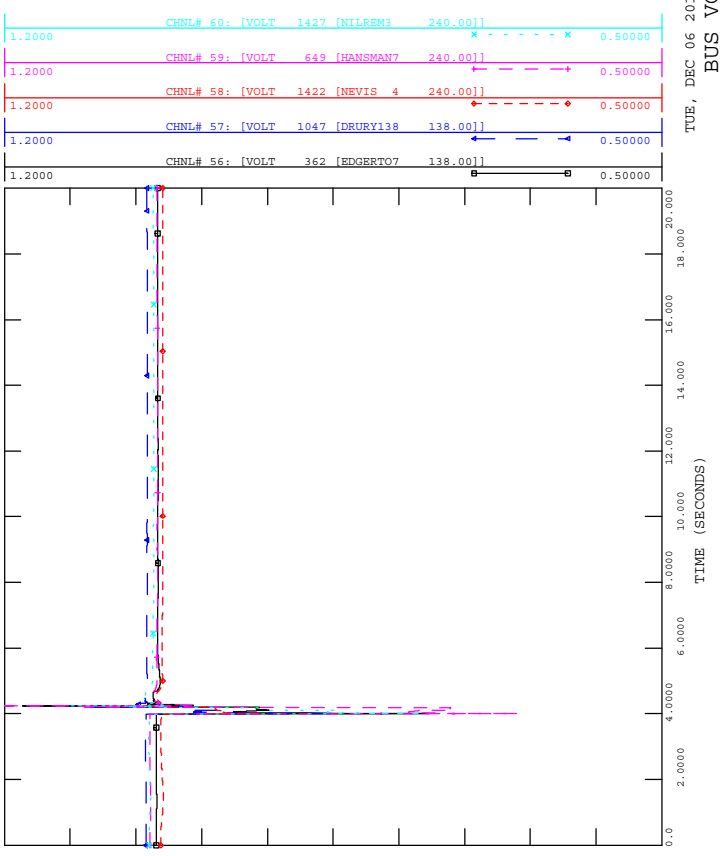
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -948L_S852_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/948L_S852_650S-Hansman Lake.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN_LAKE

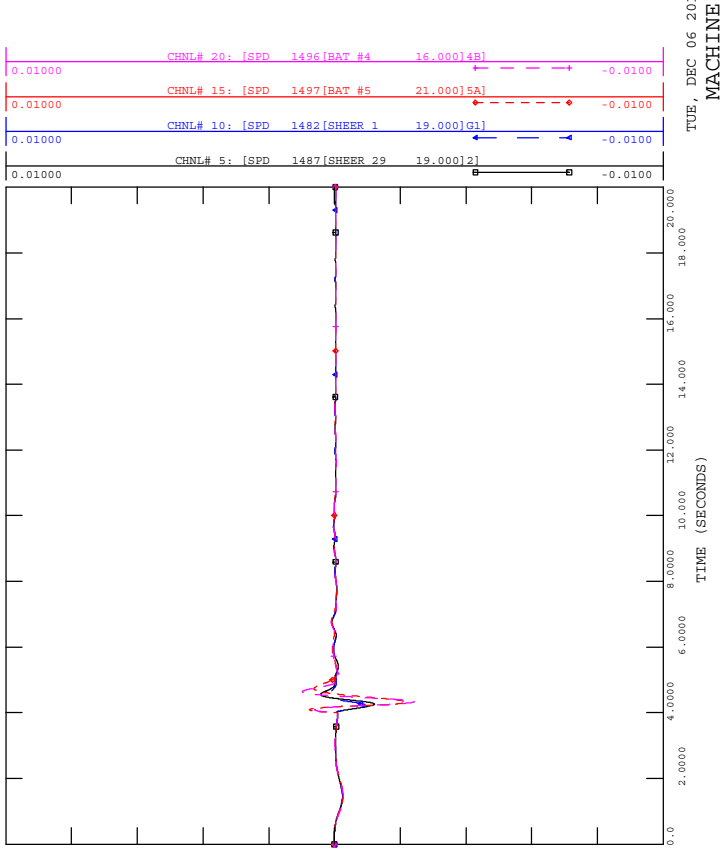
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_S552_650S-Hansman Lake



TUE, DEC 06 2016 21:59
BUS VOLTAGE

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN_LAKE

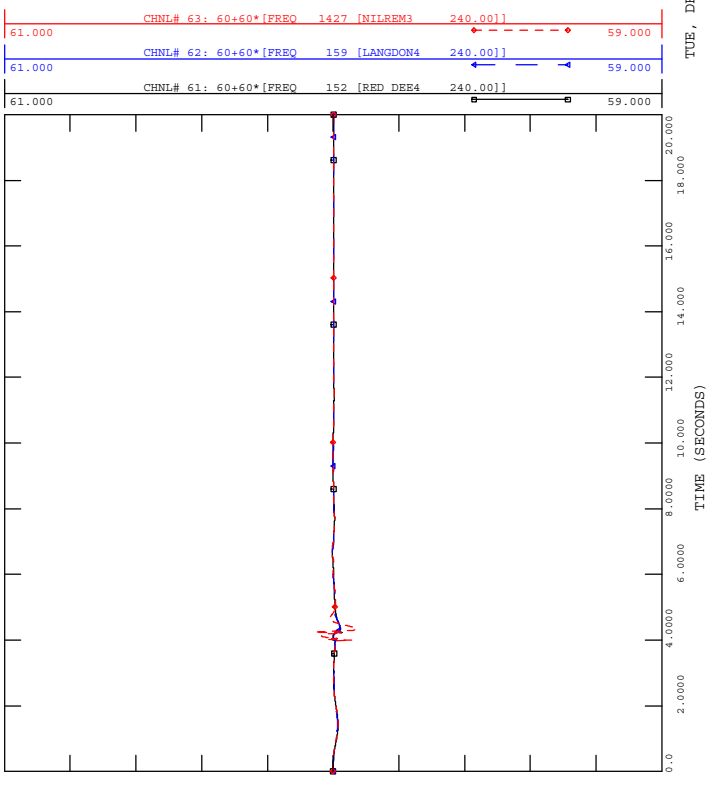
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_S552_650S-Hansman Lake



TUE, DEC 06 2016 21:59
MACHINE SPEED

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN_LAKE

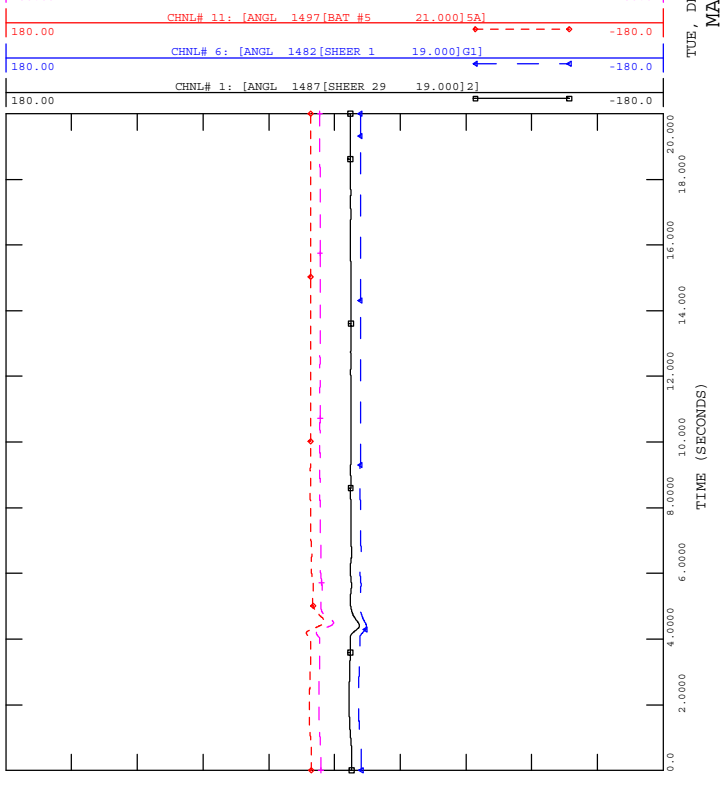
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_S552_650S-Hansman Lake



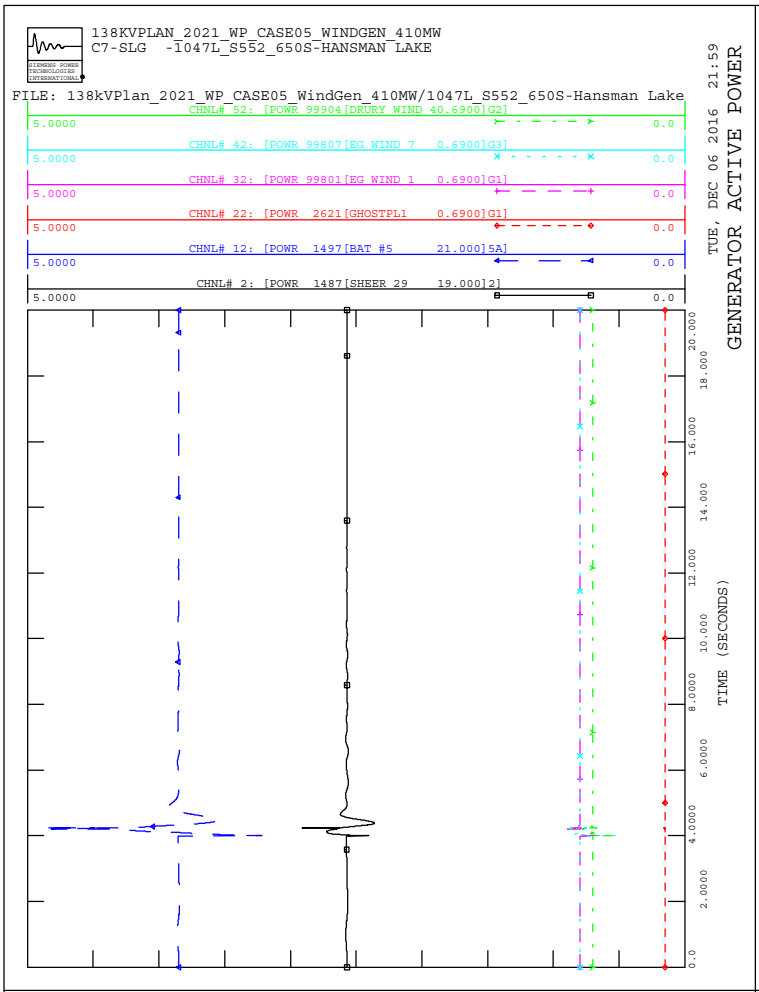
TUE, DEC 06 2016 21:59
FREQUENCY

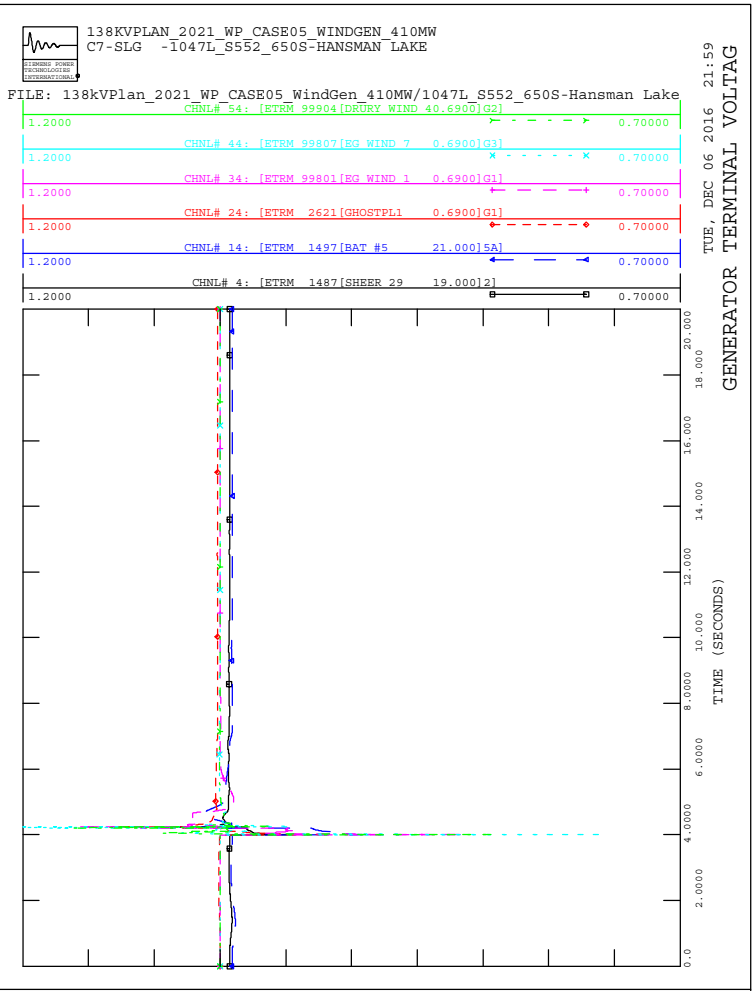
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN_LAKE

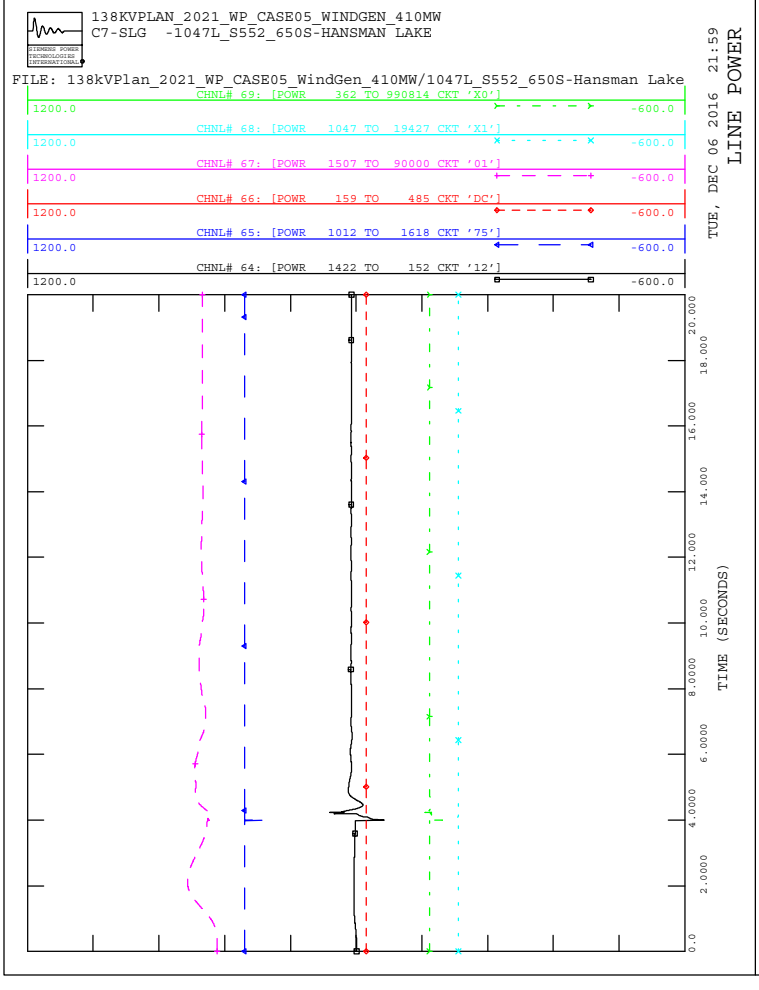
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_S552_650S-Hansman Lake

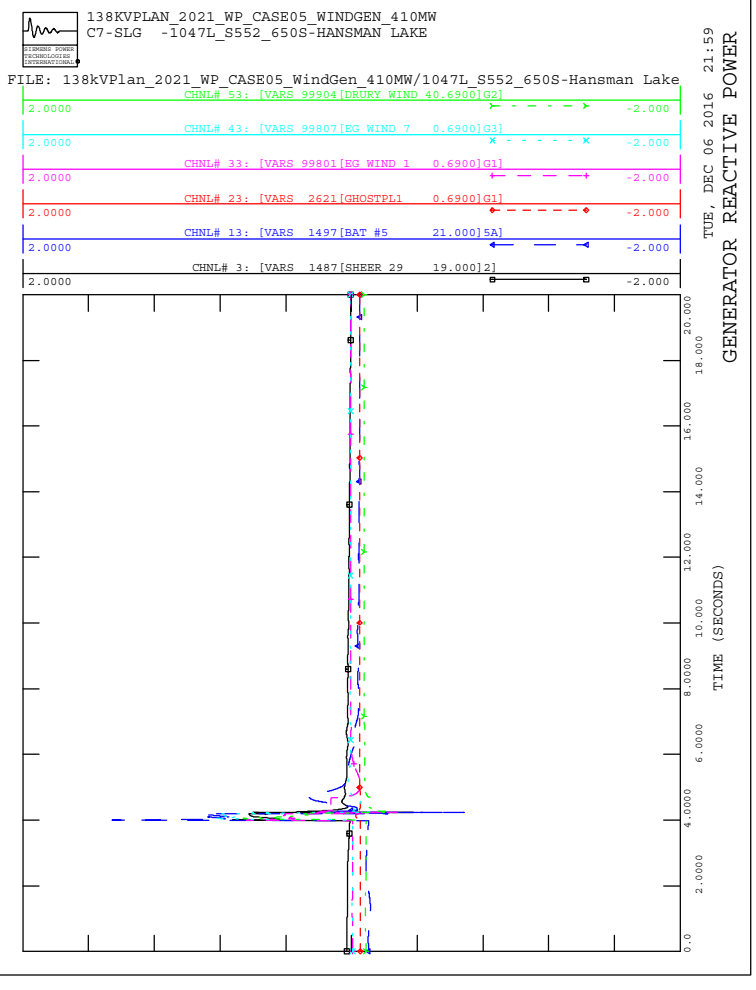


TUE, DEC 06 2016 21:59
MACHINE ANGLE


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_S552_650S-Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_S552_650S-Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_S552_650S-Hansman Lake
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)

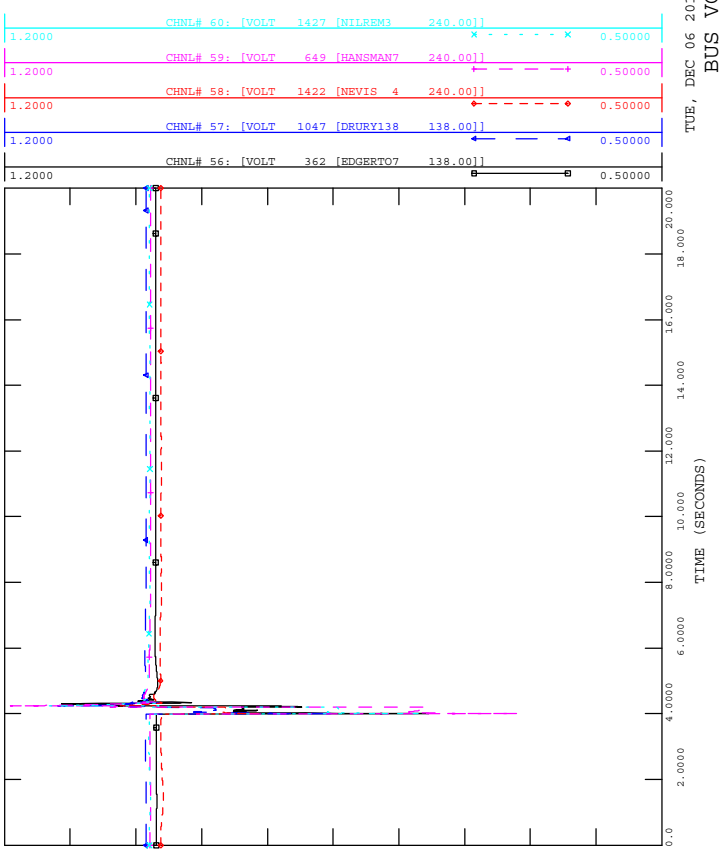

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_S552_650S-Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_S752_650S-Hansman Lake.

TUE, DEC 06 2016 21:59

BUS VOLTAGE

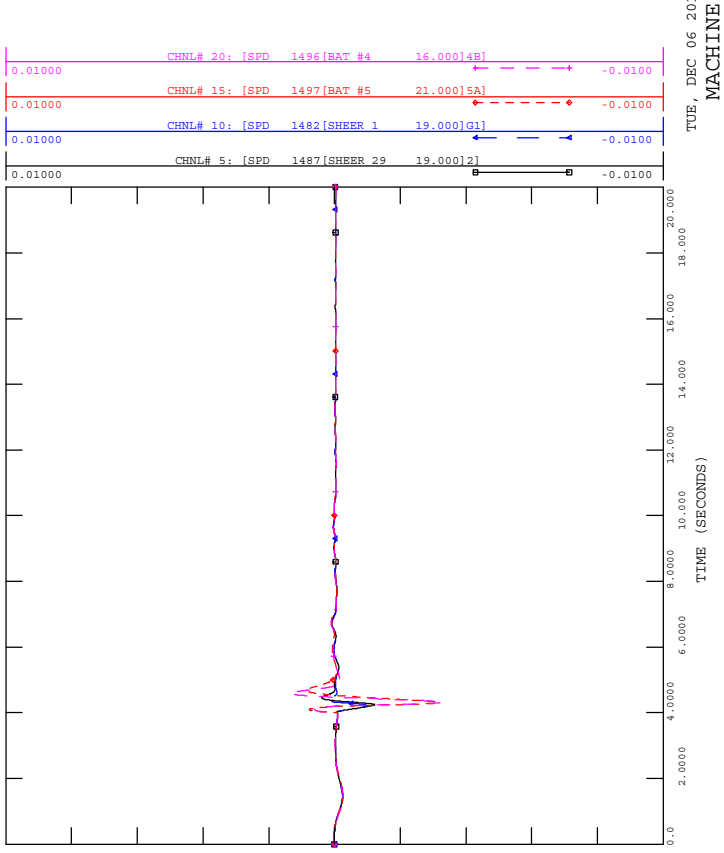


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_S752_650S-Hansman Lake.

TUE, DEC 06 2016 21:59

MACHINE SPEED

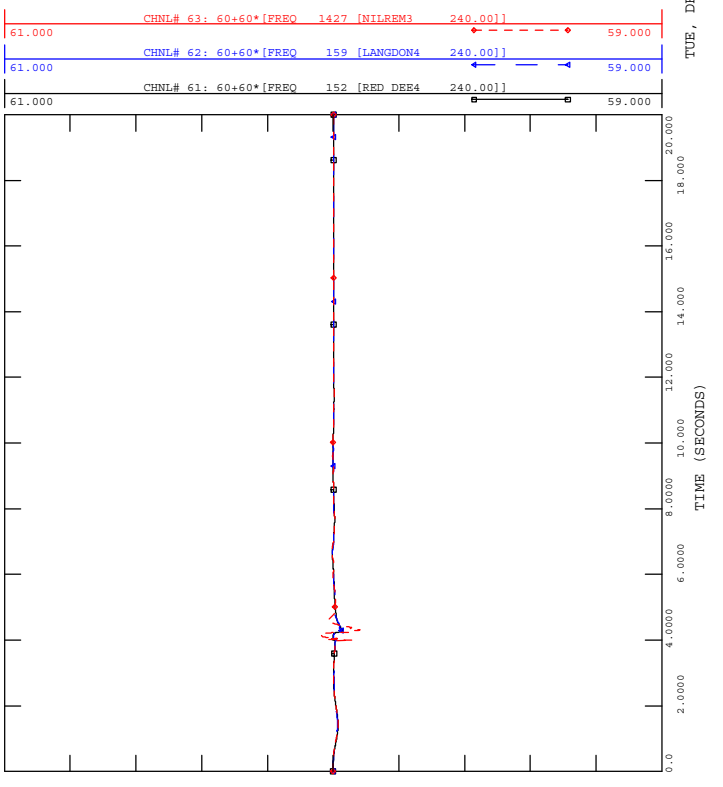


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_S752_650S-Hansman Lake.

TUE, DEC 06 2016 21:59

FREQUENCY

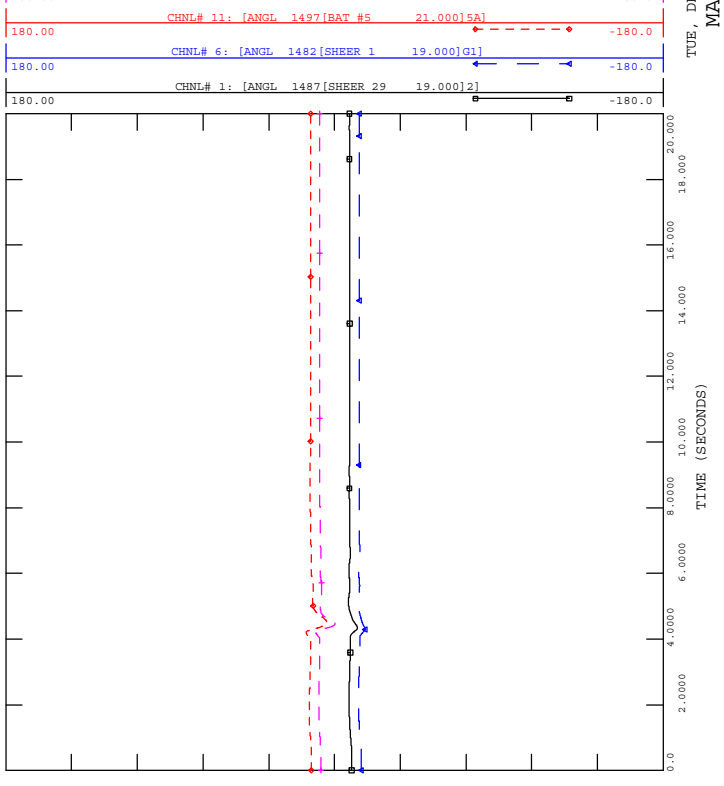


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_S752_650S-Hansman Lake.

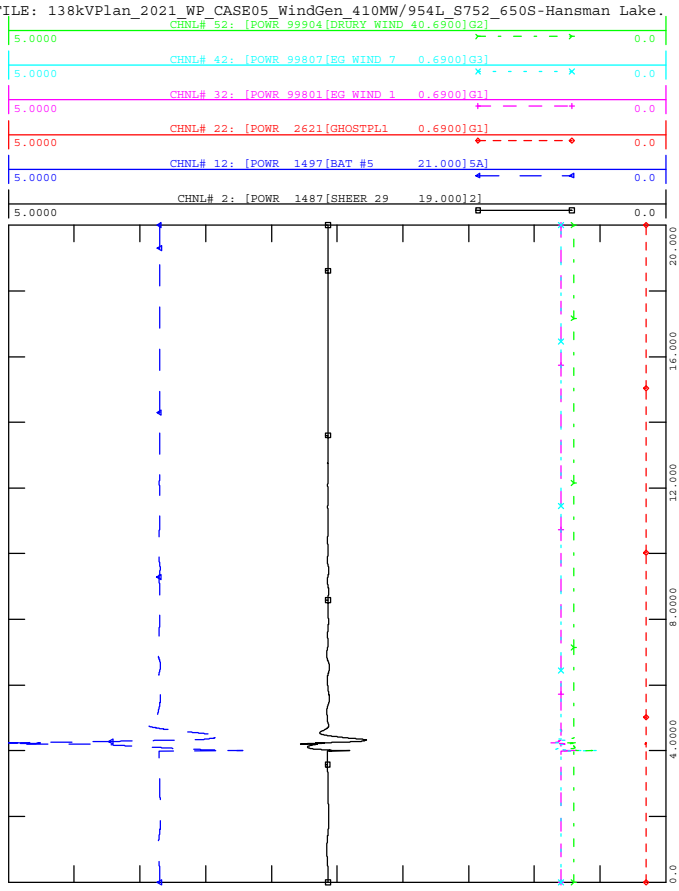
TUE, DEC 06 2016 21:59

MACHINE ANGLE



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

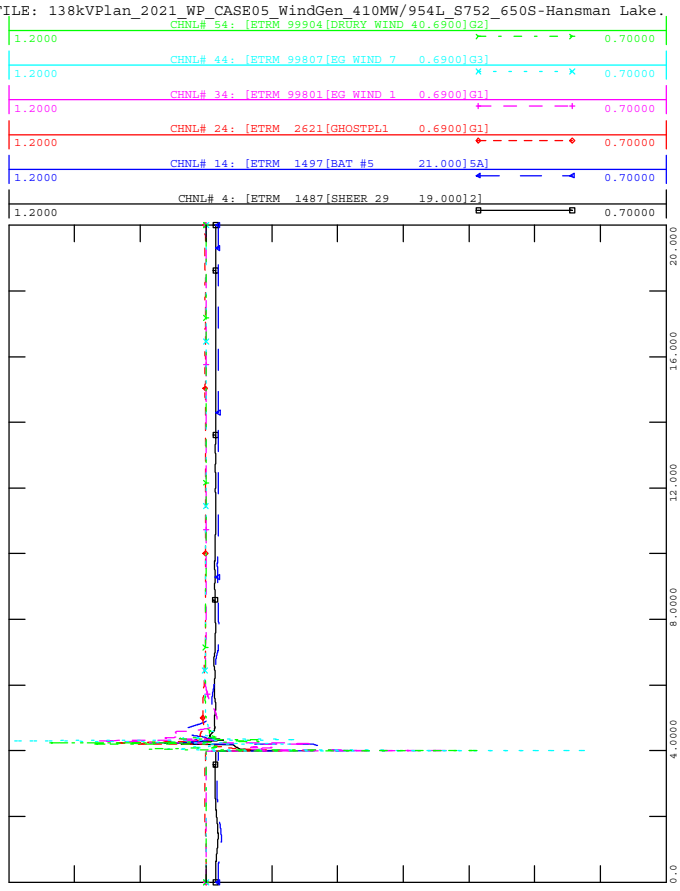
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_S752_650S-Hansman Lake.



TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

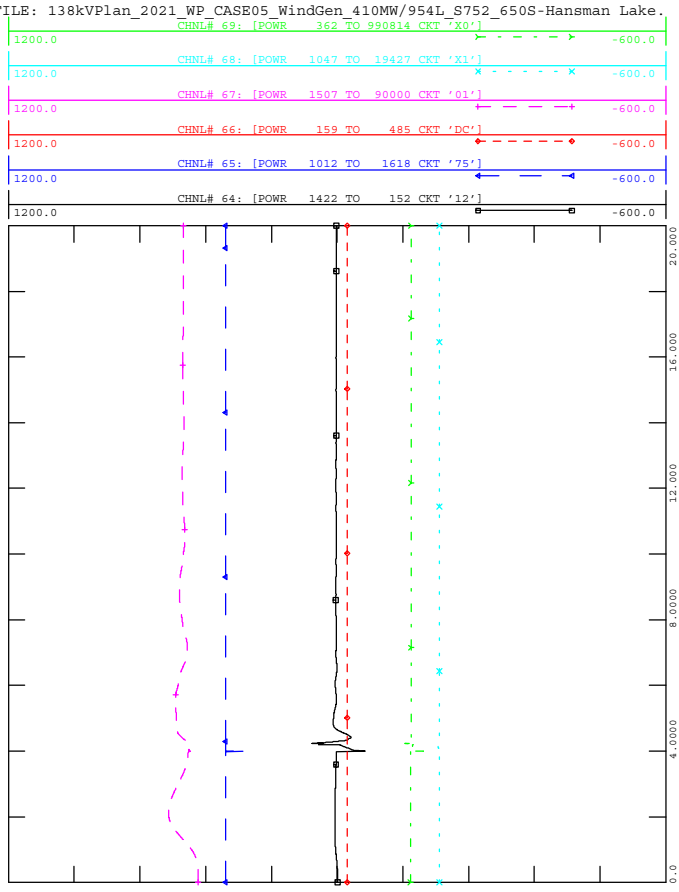
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_S752_650S-Hansman Lake.



TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

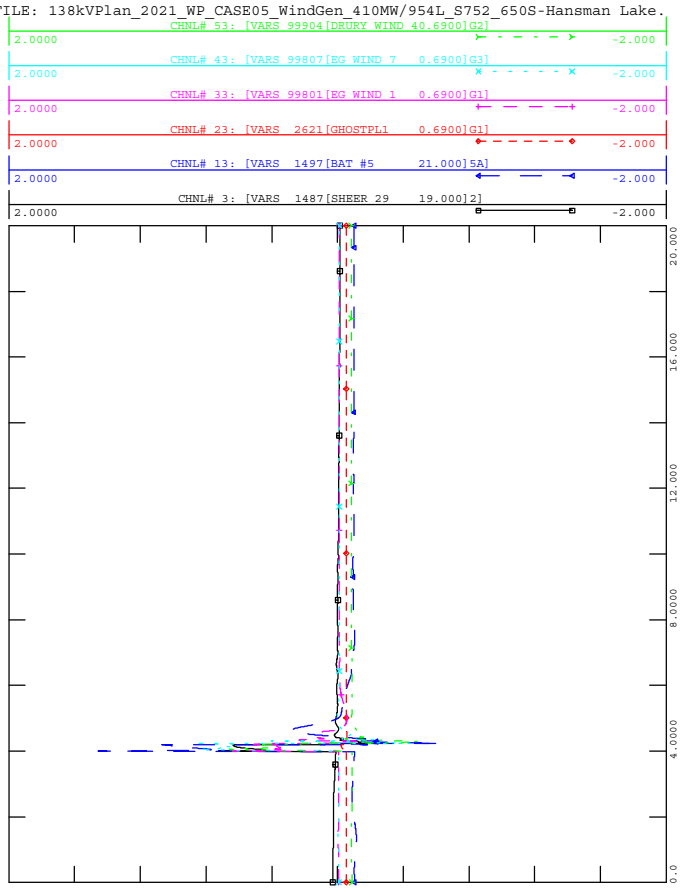
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_S752_650S-Hansman Lake.



TUE, DEC 06 2016 21:59
LINE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/954L_S752_650S-Hansman Lake.



TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/966L_S452_650S-Hansman Lake.

TUE, DEC 06 2016 21:59

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]

1.2000 / 0.50000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/966L_S452_650S-Hansman Lake.

TUE, DEC 06 2016 21:59

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/966L_S452_650S-Hansman Lake.

TUE, DEC 06 2016 21:59

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/966L_S452_650S-Hansman Lake.

TUE, DEC 06 2016 21:59

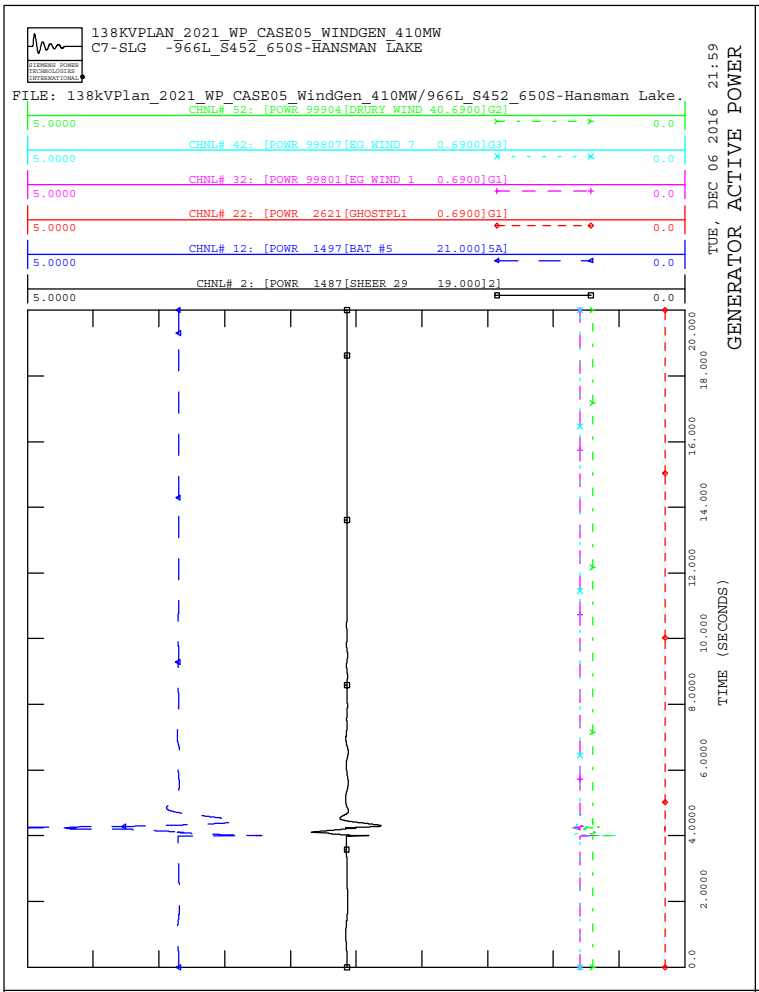
MACHINE ANGLE

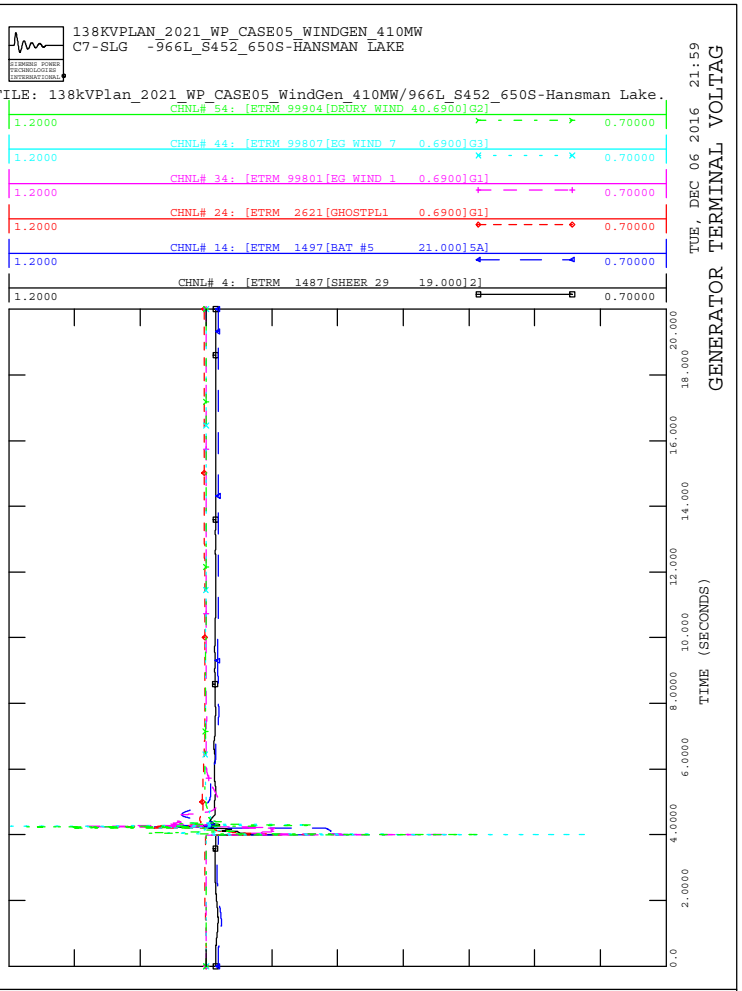
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

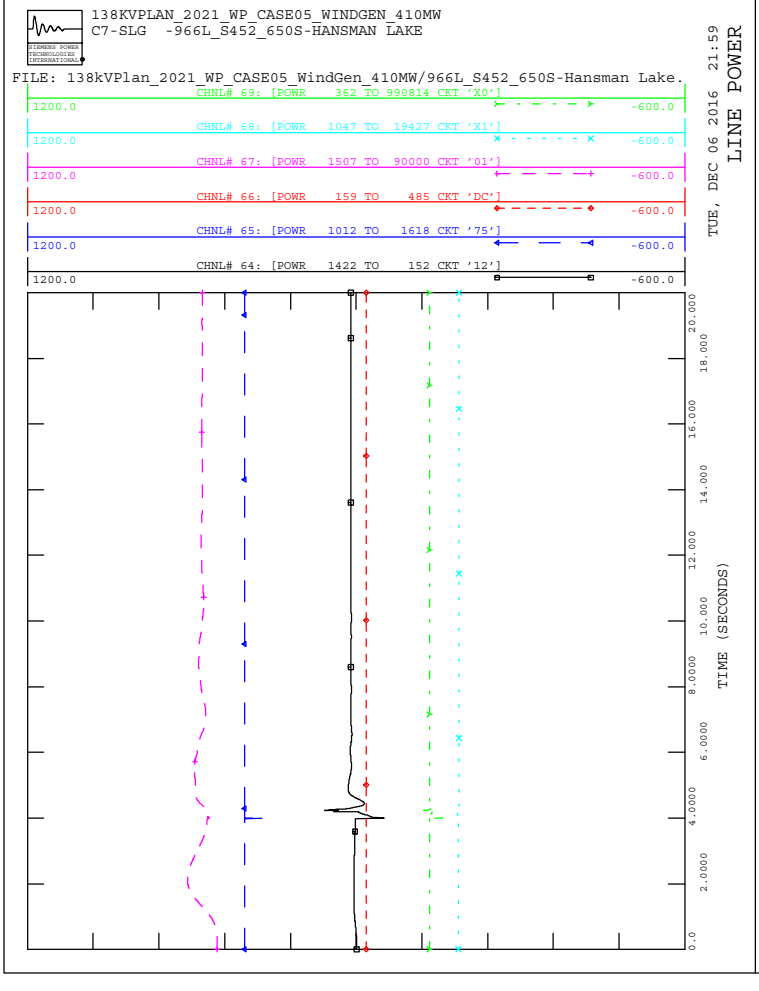
180.00 / -180.0

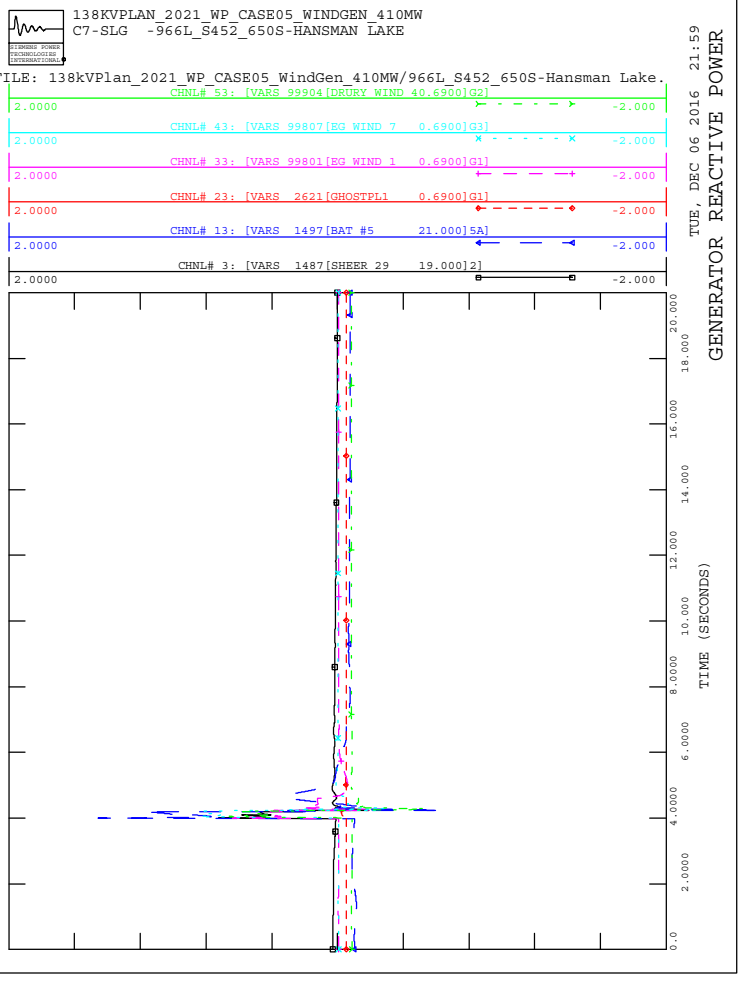
TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/966L_S452_650S-Hansman Lake.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/966L_S452_650S-Hansman Lake.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/966L_S452_650S-Hansman Lake.
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)

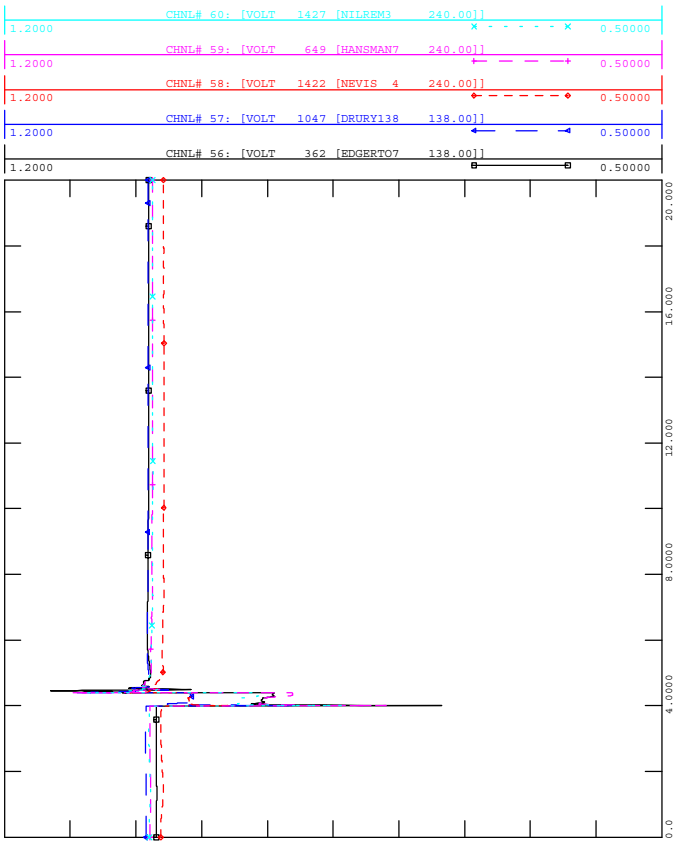

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -966L_S452_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/966L_S452_650S-Hansman Lake.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New HansmanLake-Edgerton 138

TUE, DEC 06 2016 21:59

BUS VOLTAGE

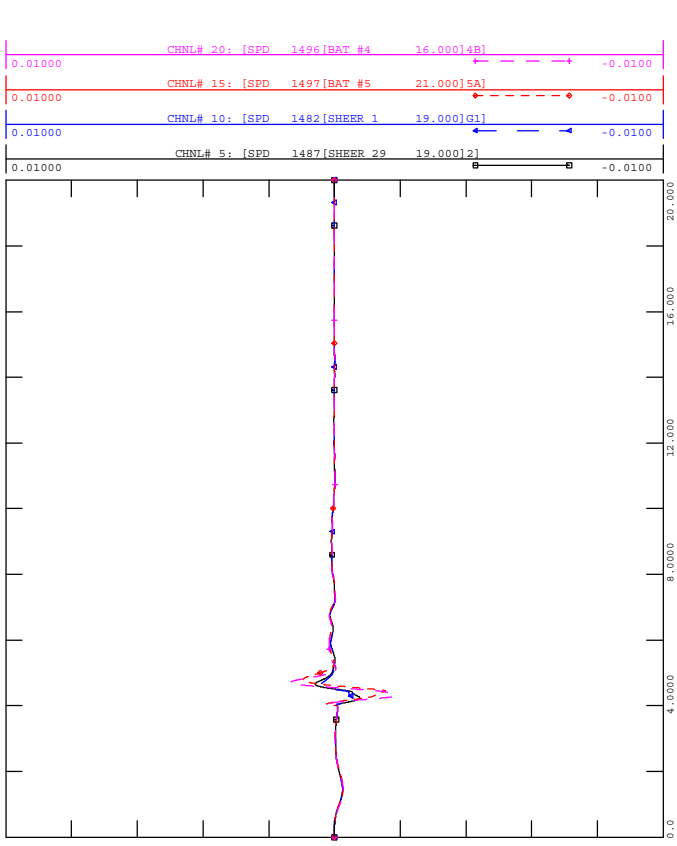


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New HansmanLake-Edgerton 138

TUE, DEC 06 2016 21:59

MACHINE SPEED

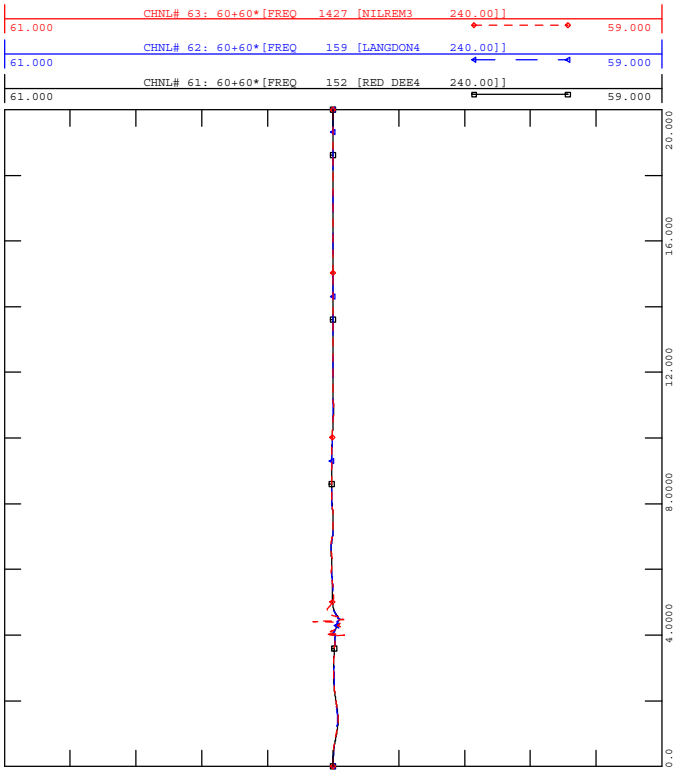


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New HansmanLake-Edgerton 138

TUE, DEC 06 2016 21:59

FREQUENCY

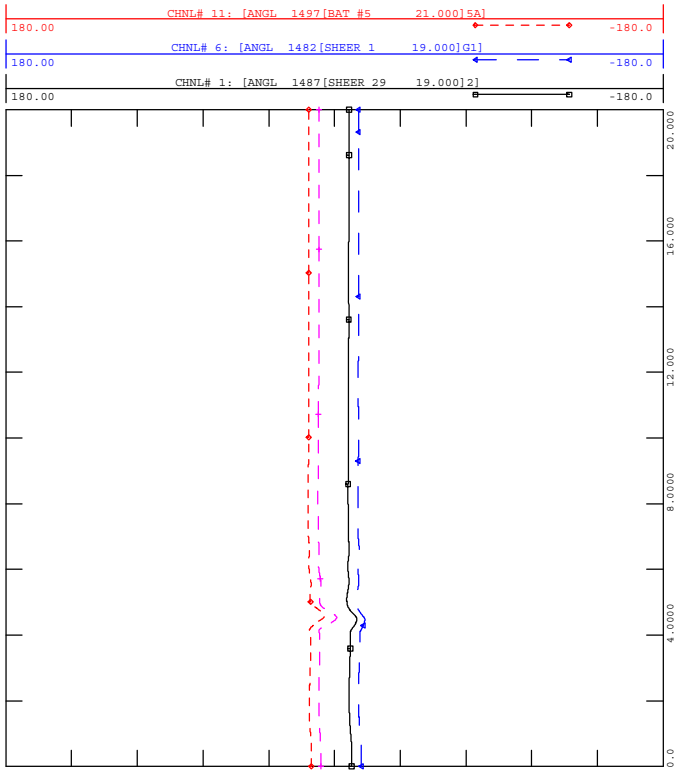


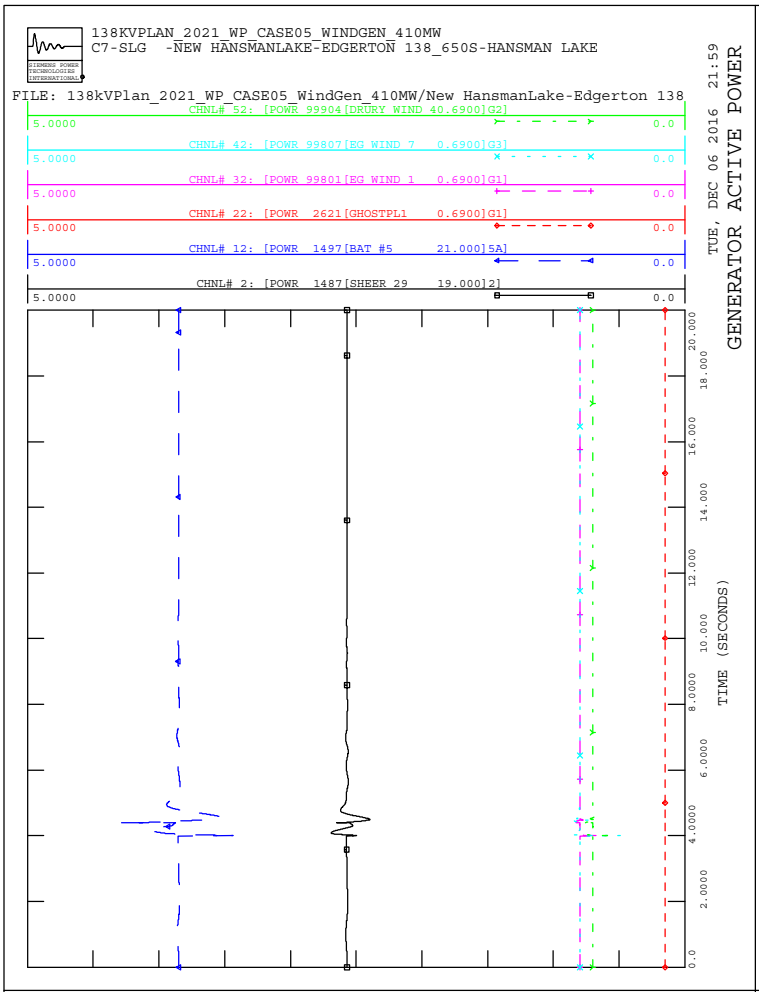
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE

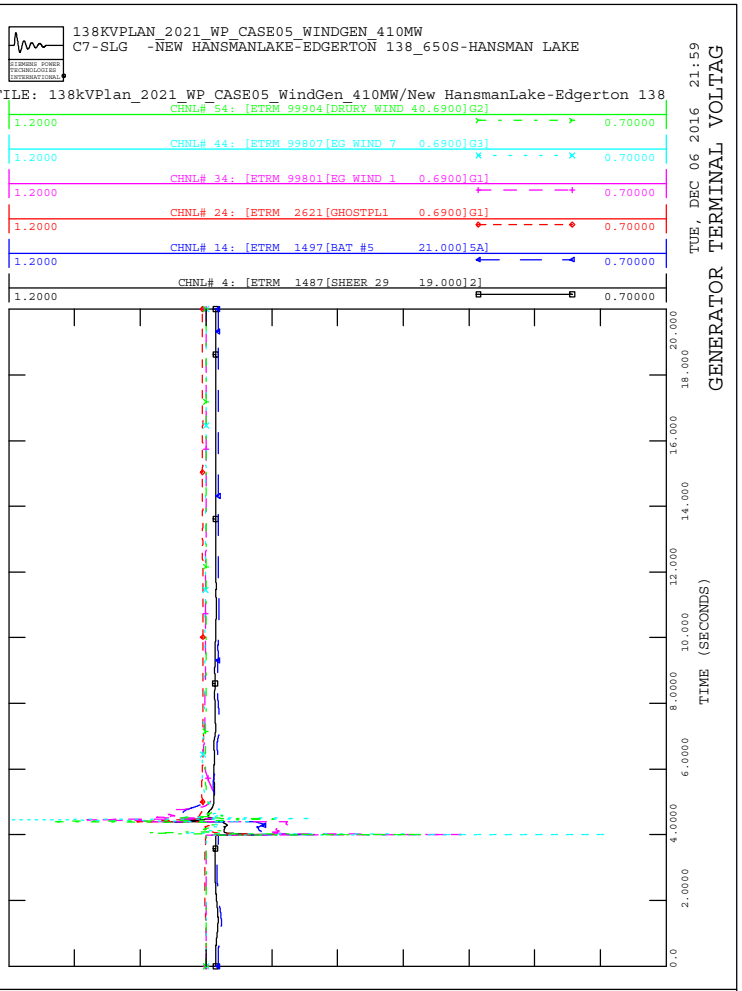
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New HansmanLake-Edgerton 138

TUE, DEC 06 2016 21:59

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New HansmanLake-Edgerton 138
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New HansmanLake-Edgerton 138
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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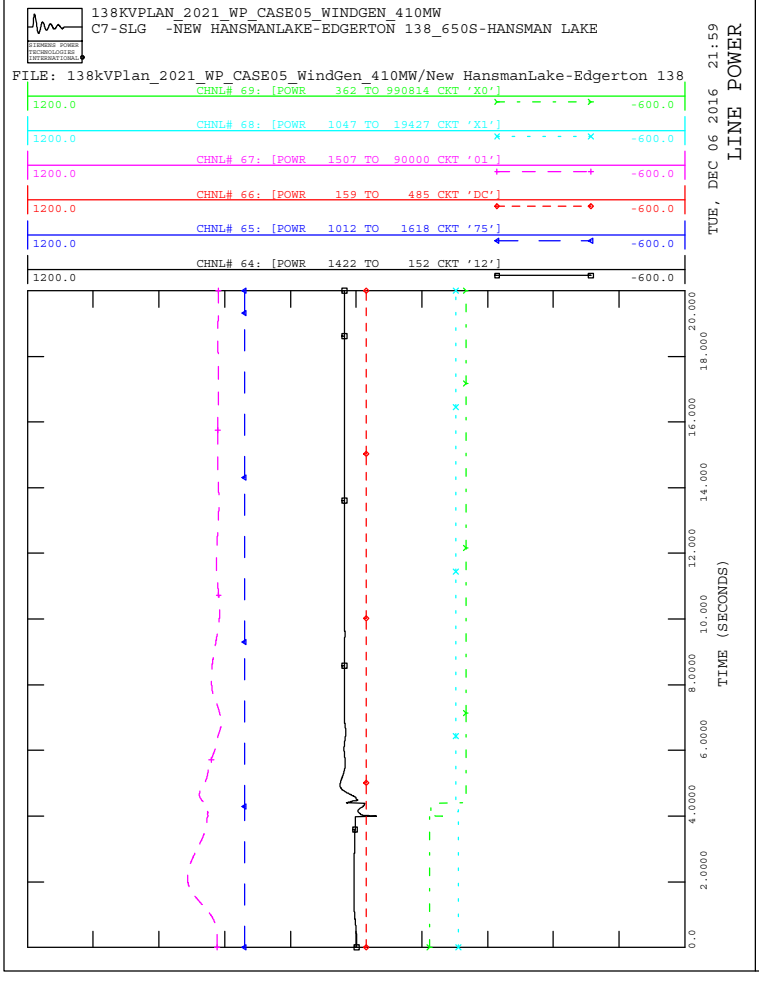
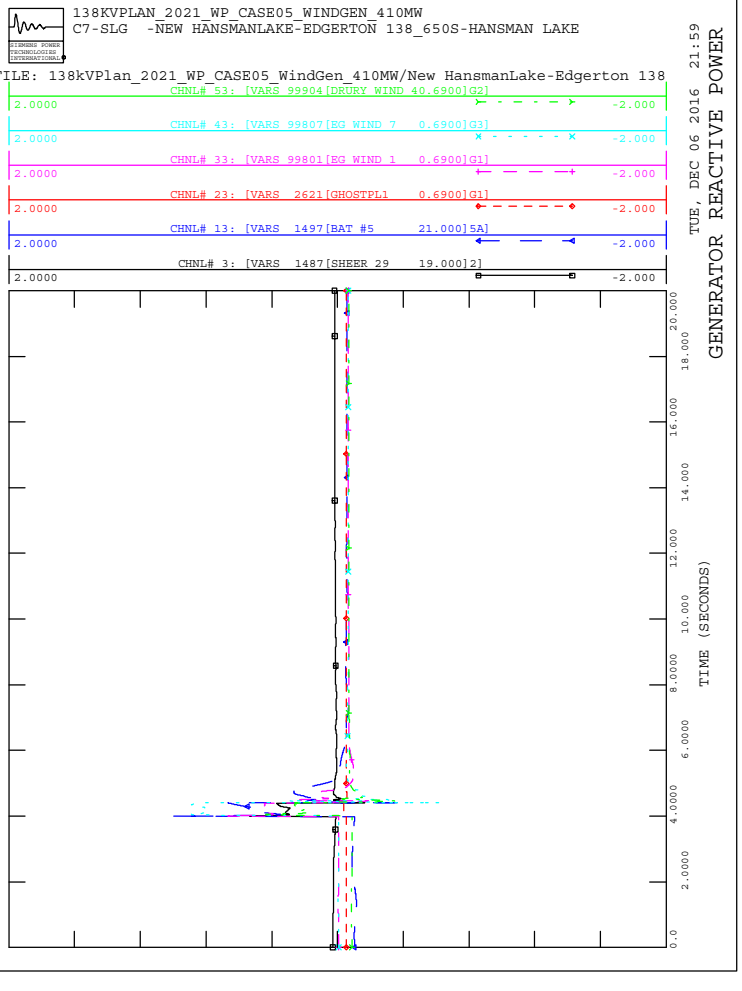
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New HansmanLake-Edgerton 138
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 138_650S-HANSMAN LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New HansmanLake-Edgerton 138
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S701X_395S-North Holden

TUE, DEC 06 2016 21:59

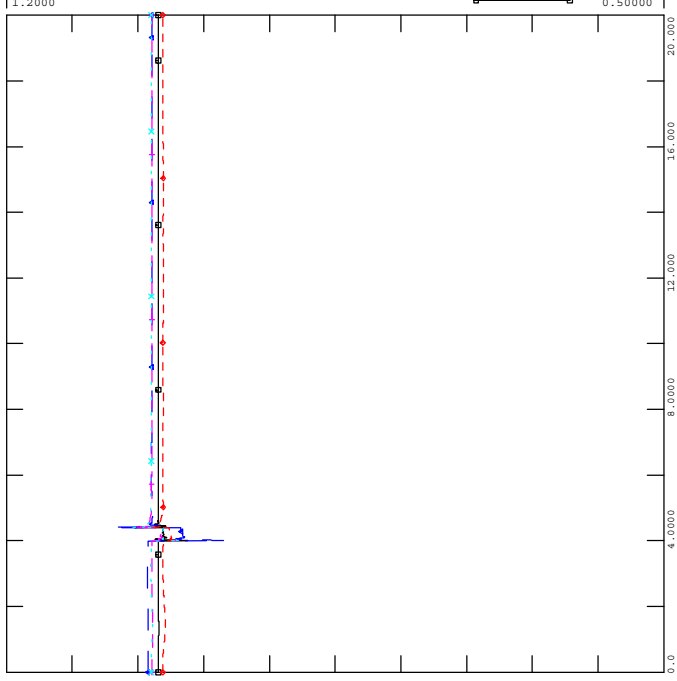
BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]

1.2000 0.50000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S701X_395S-North Holden

TUE, DEC 06 2016 21:59

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 -0.0100

TIME (SECONDS)

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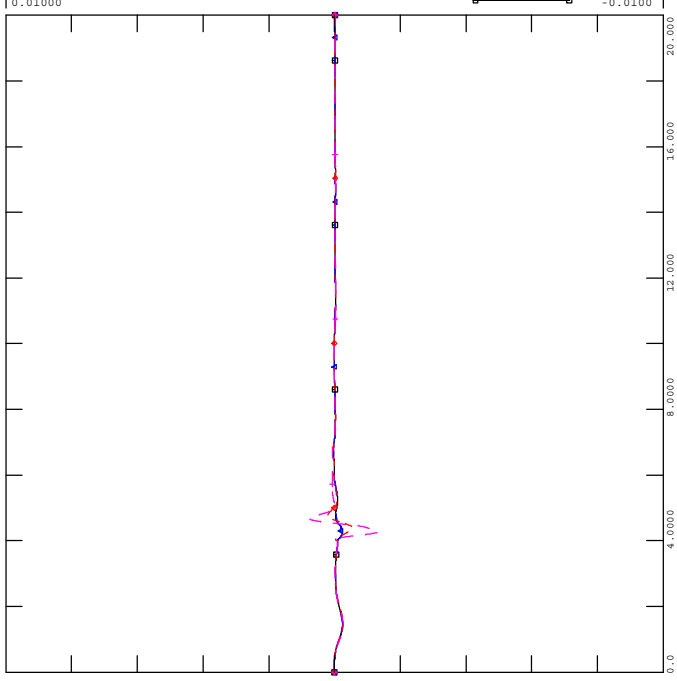

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S701X_395S-North Holden

TUE, DEC 06 2016 21:59

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 59.000

TIME (SECONDS)

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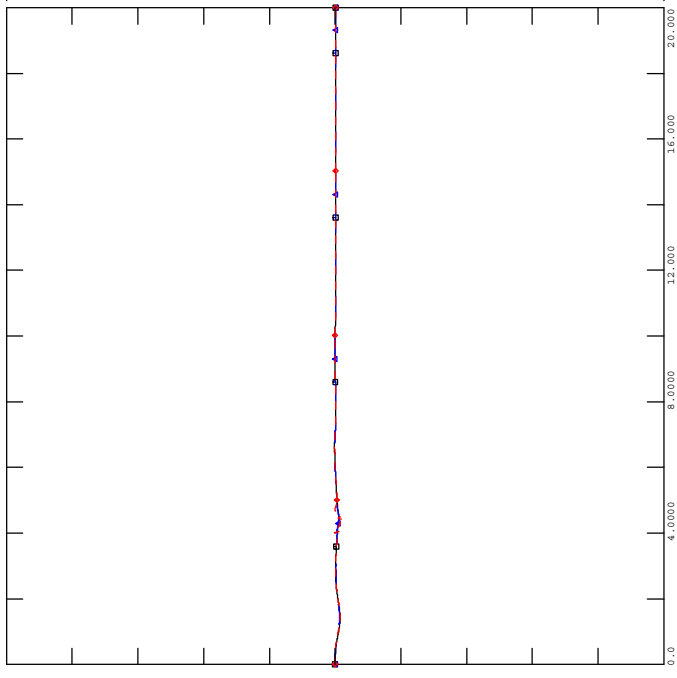


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S701X_395S-North Holden

TUE, DEC 06 2016 21:59

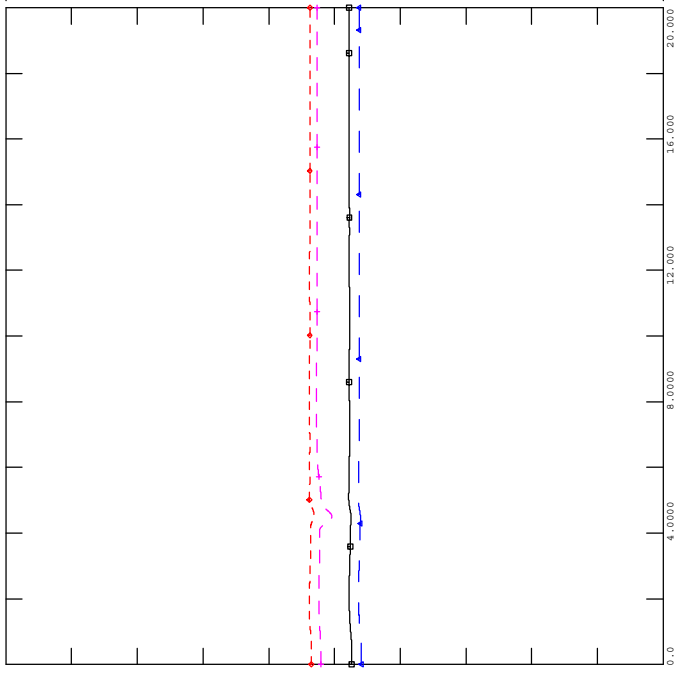
MACHINE ANGLE

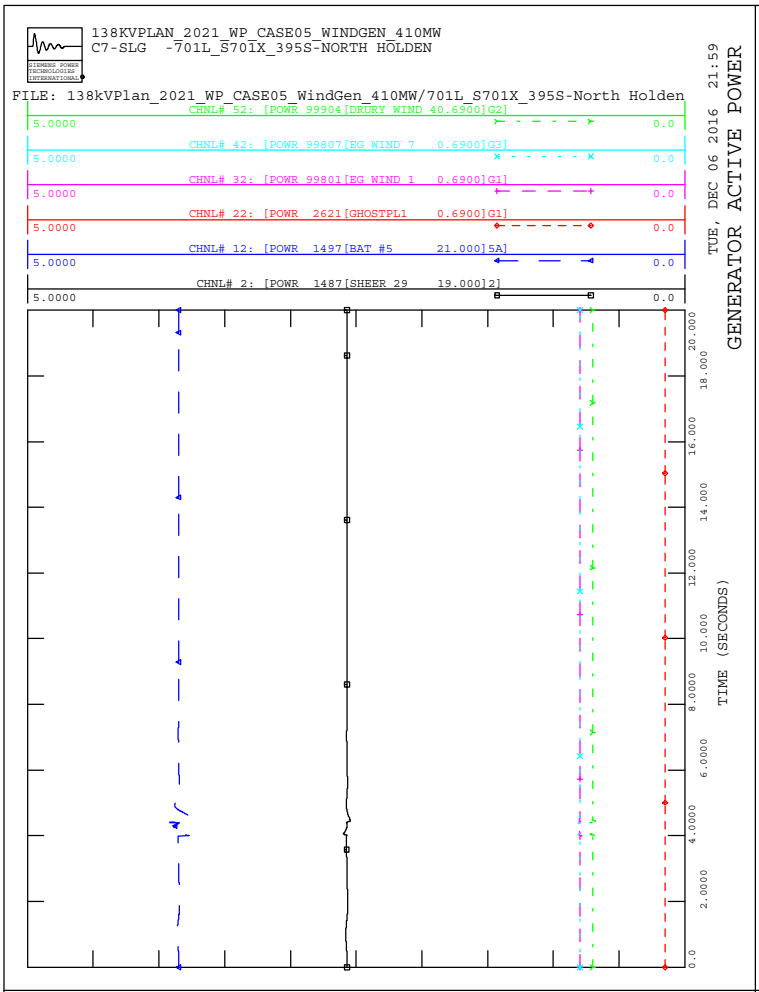
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

180.00 -180.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S701X_395S-North Holden
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
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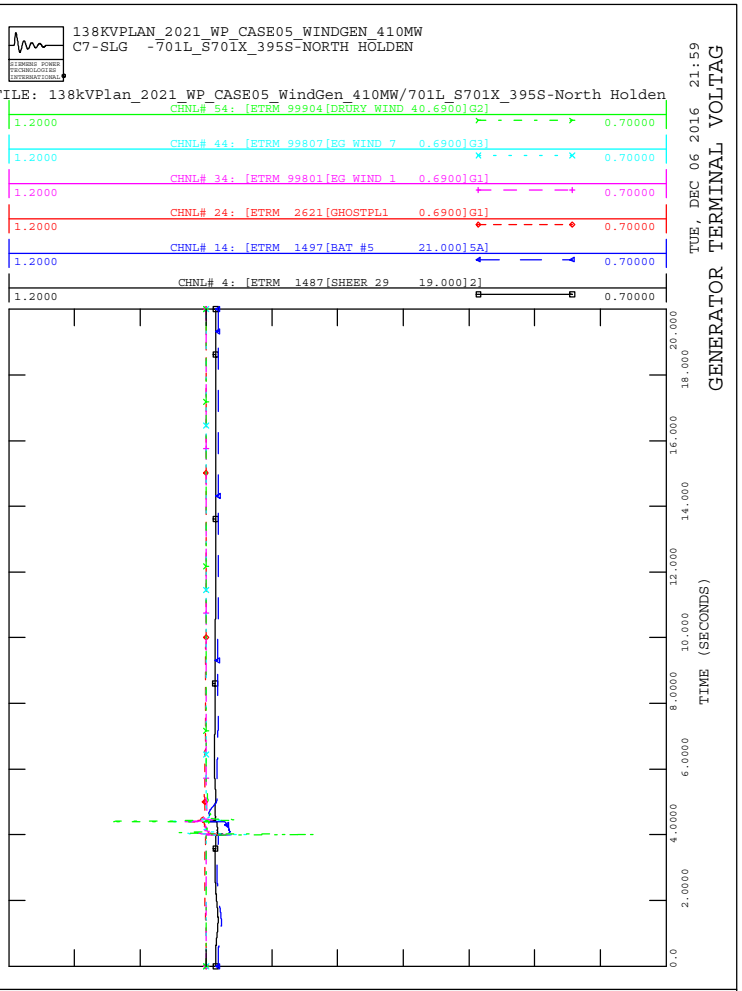
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S701X_395S-North Holden
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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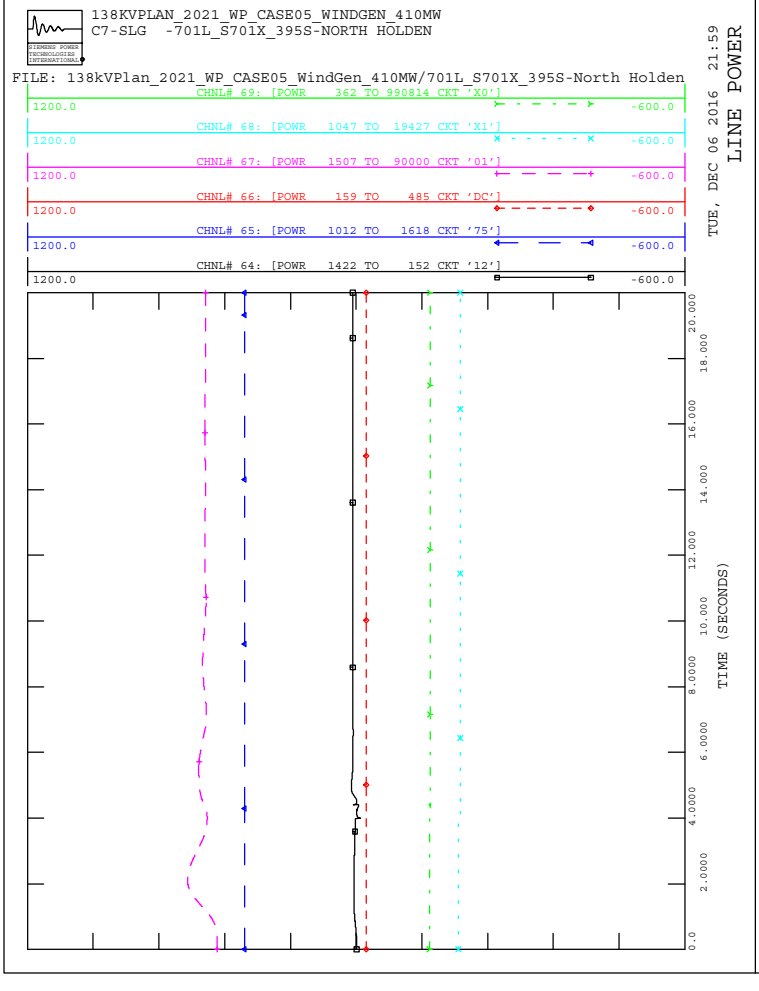
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S701X_395S-North Holden
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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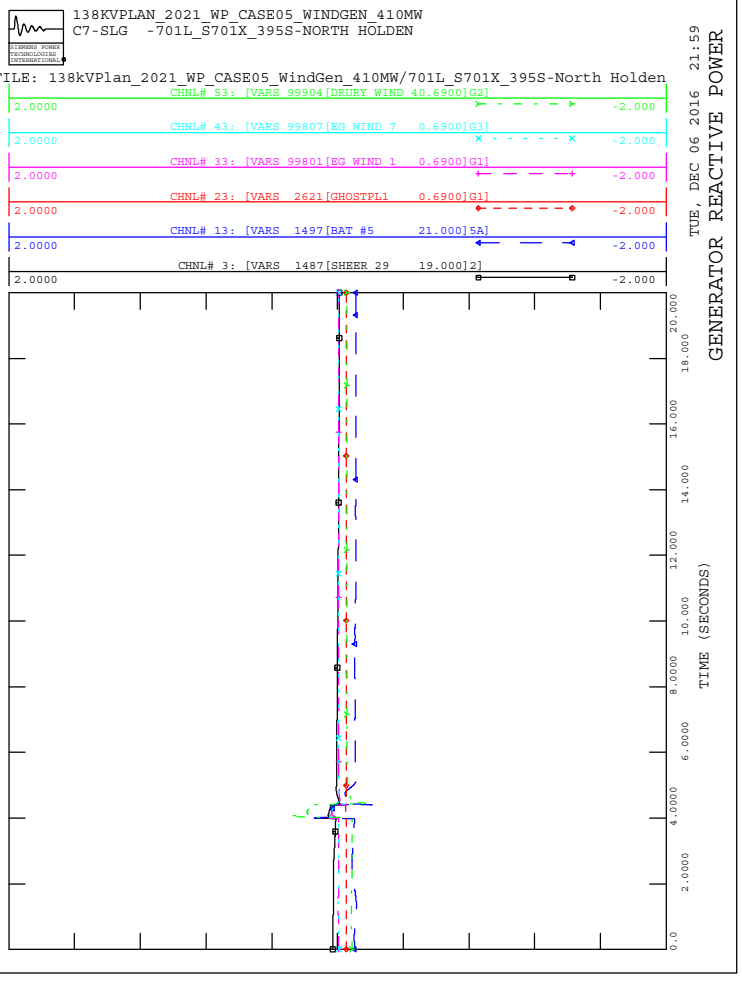
10.000
12.000
14.000
16.000
18.000
20.000

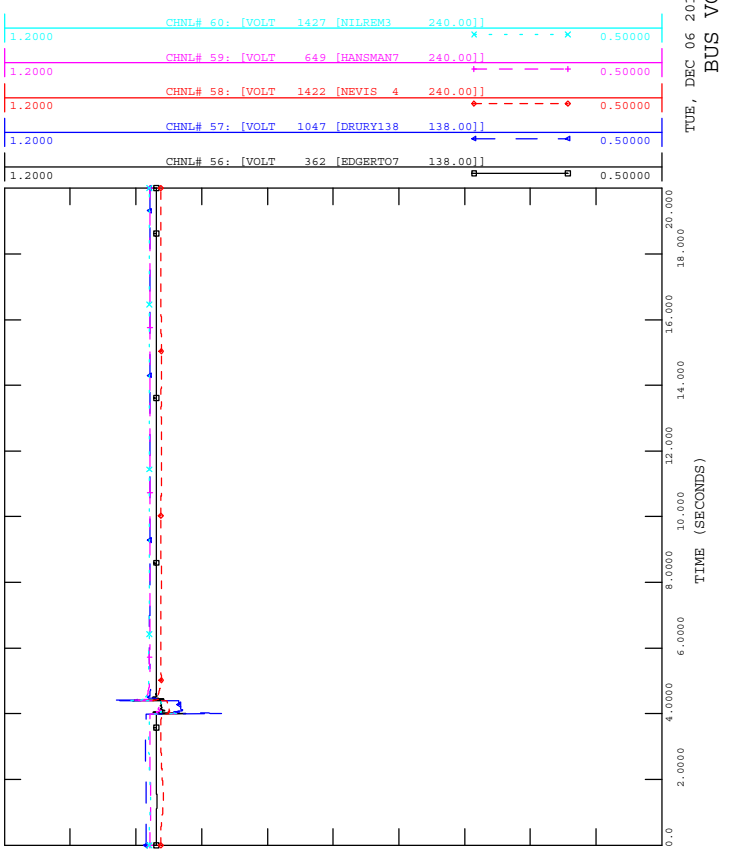

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/701L_S701X_395S-North Holden
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_S77E_395S-North Holden.

TUE, DEC 06 2016 21:59

BUS VOLTAGE

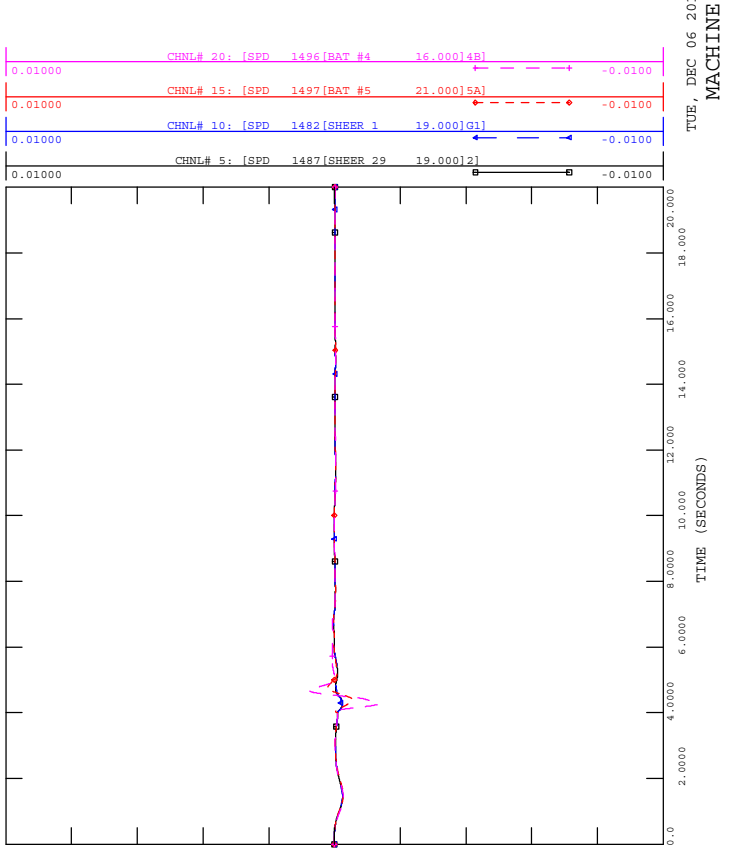


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_S77E_395S-North Holden.

TUE, DEC 06 2016 21:59

MACHINE SPEED

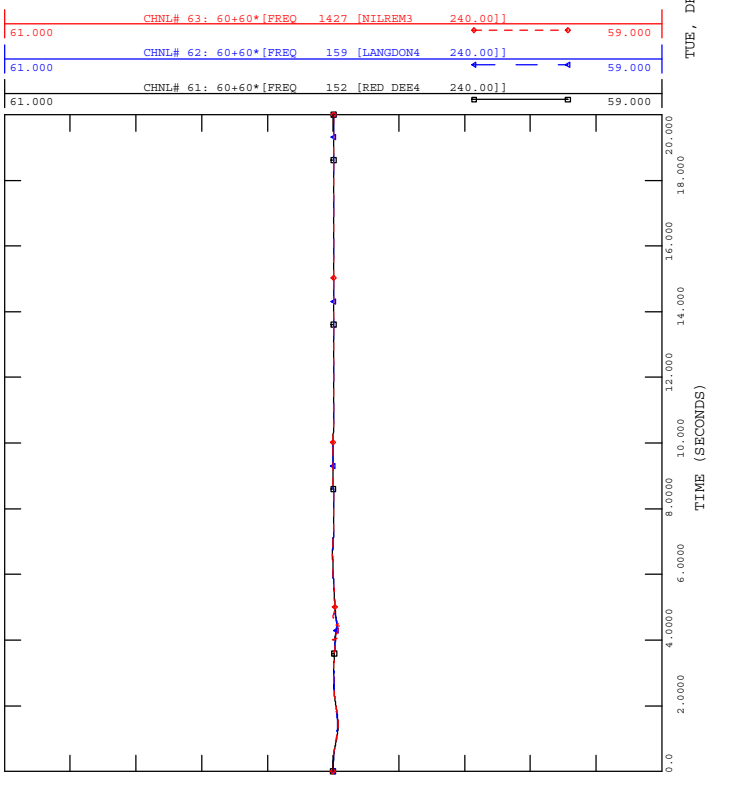


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_S77E_395S-North Holden.

TUE, DEC 06 2016 21:59

FREQUENCY



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_S77E_395S-North Holden.

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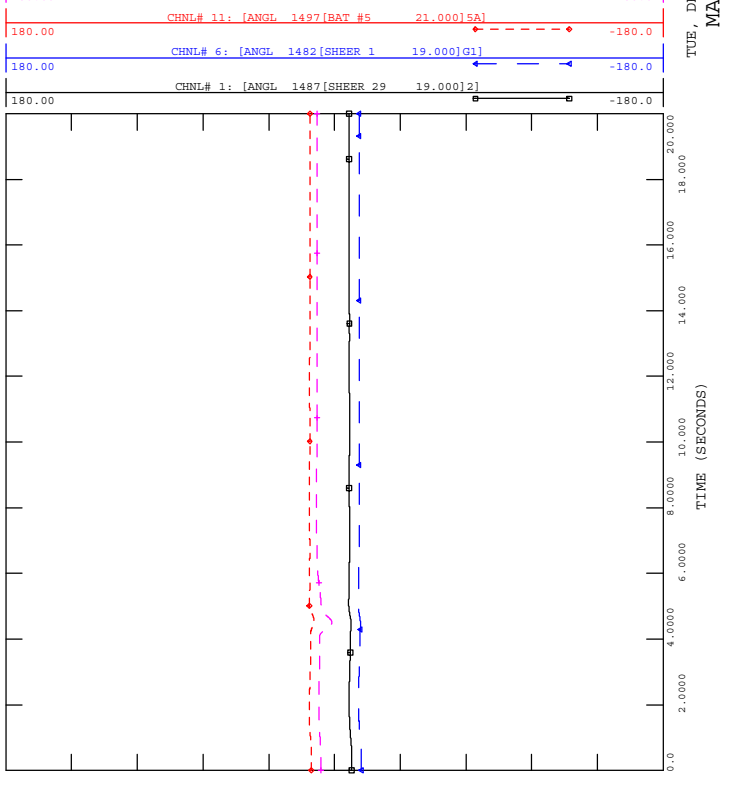

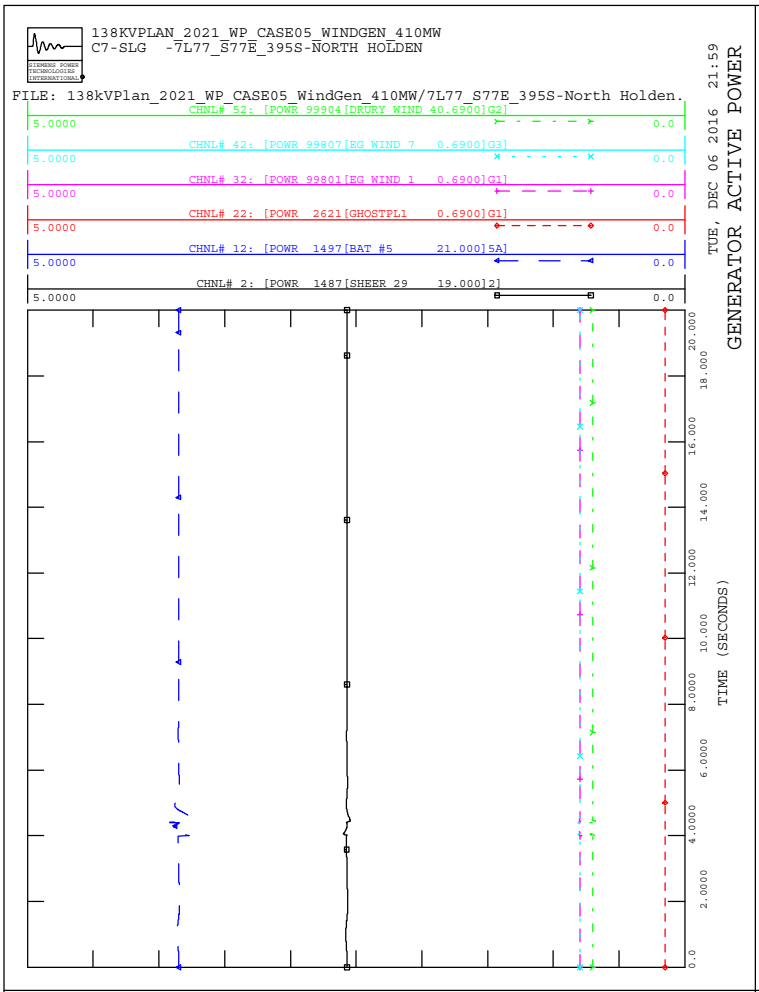
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C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_S77E_395S-North Holden.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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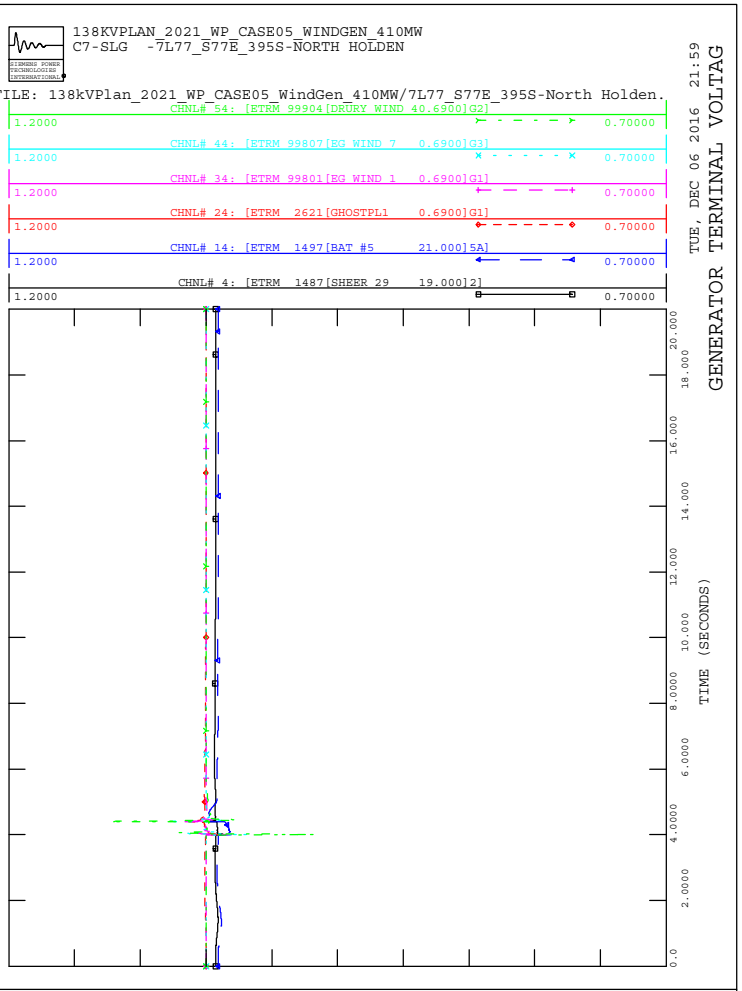
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C7-SLG -7L77_S77E_395S-NORTH HOLDEN
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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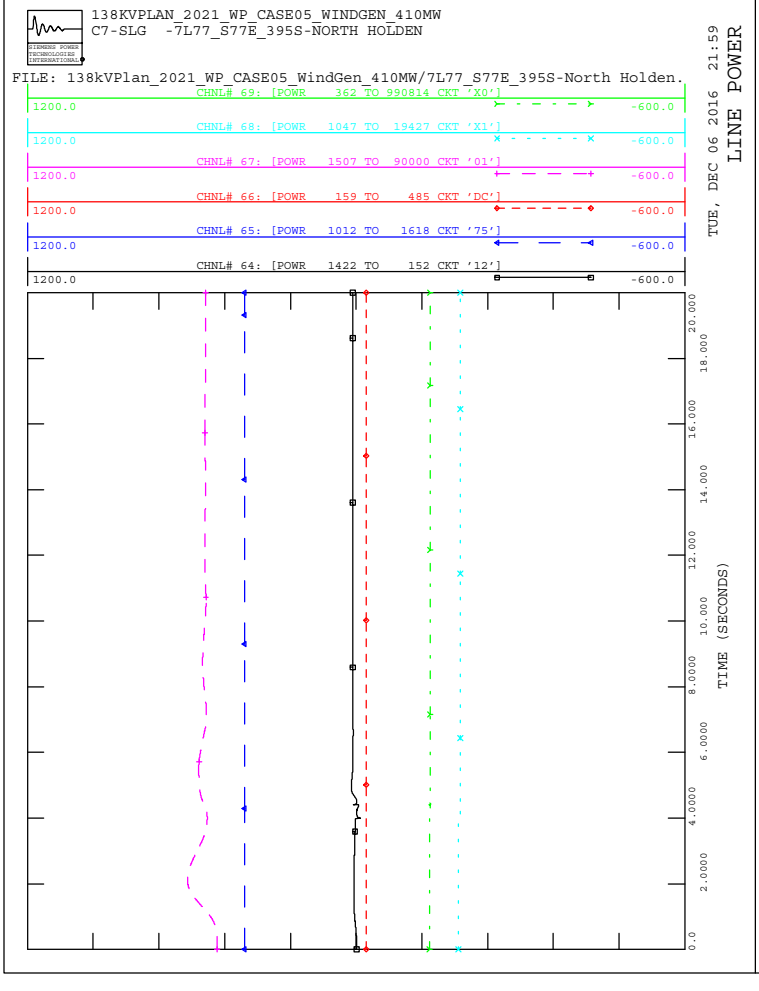
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C7-SLG -7L77_S77E_395S-NORTH HOLDEN
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CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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-600.0
TUE, DEC 06 2016 21:59
LINE POWER
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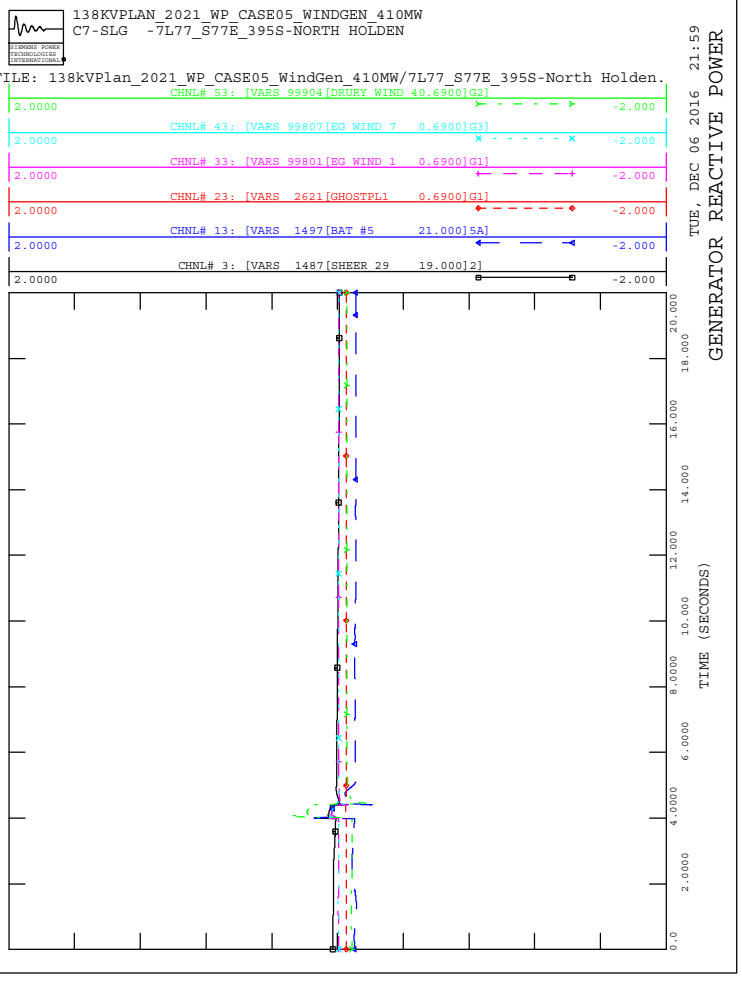
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
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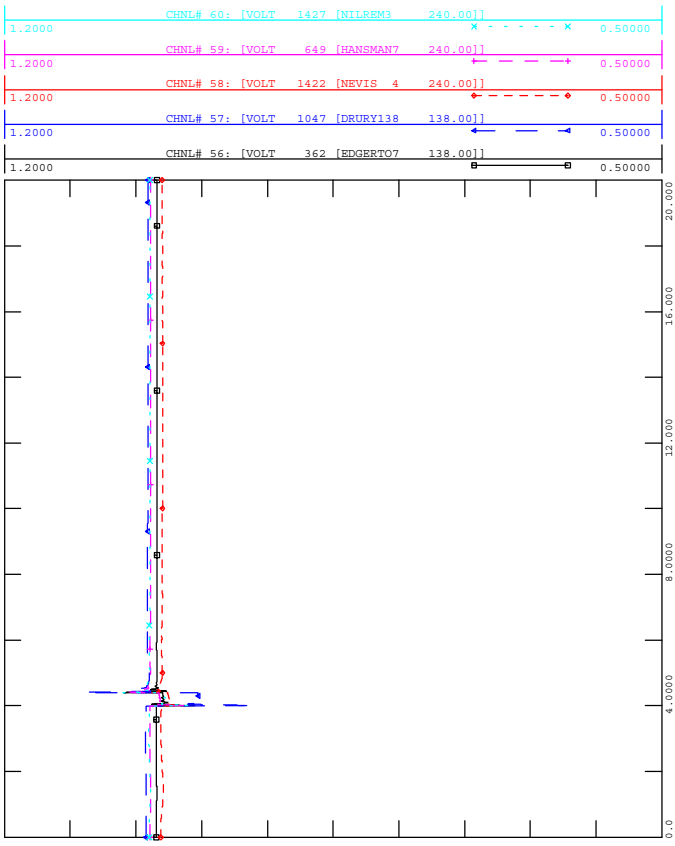
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_S702_709S-Vegreville.ou

TUE, DEC 06 2016 21:59

BUS VOLTAGE



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C7-SLG -7L77_S702_709S-VEGREVILLE

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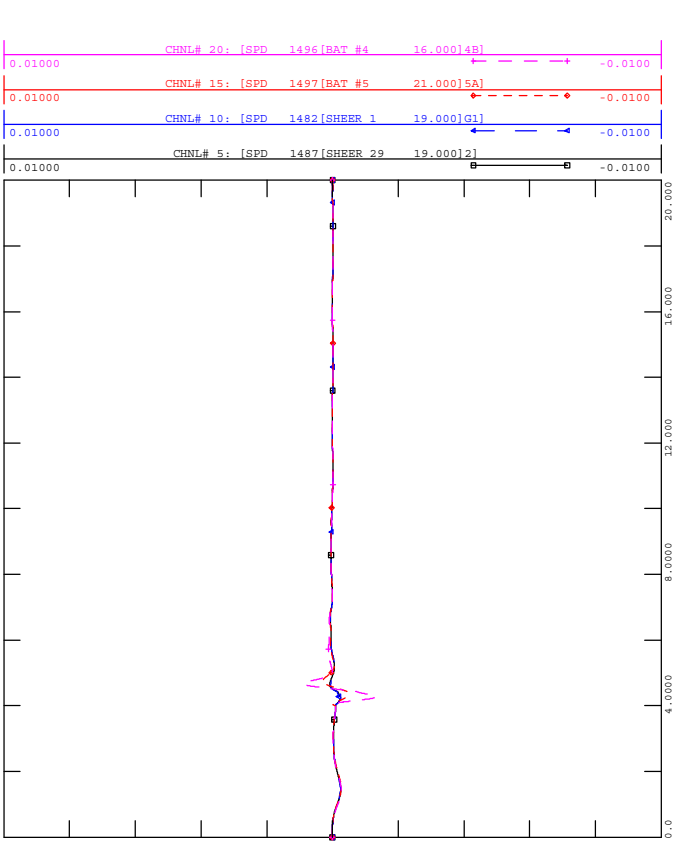
TUE, DEC 06 2016 21:59

MACHINE SPEED



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C7-SLG -7L77_S702_709S-VEGREVILLE

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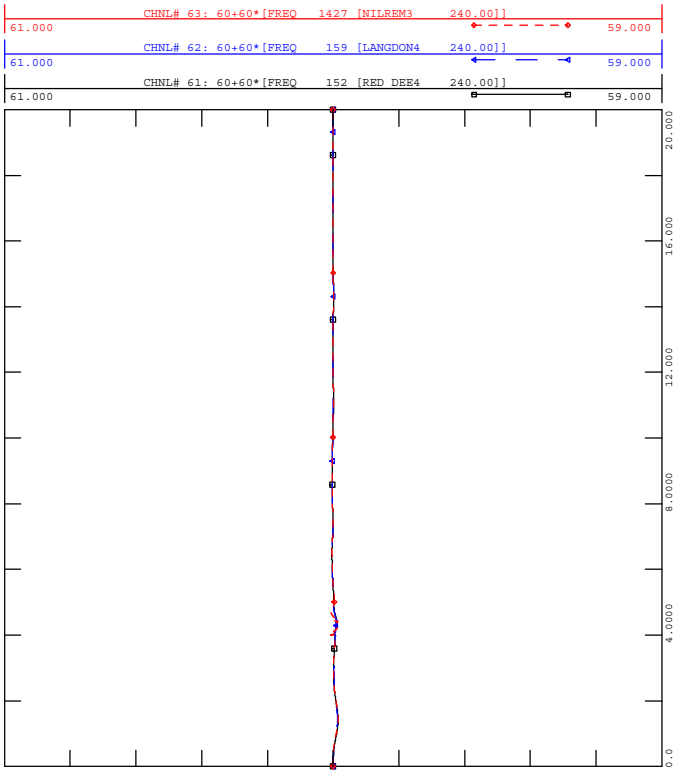

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C7-SLG -7L77_S702_709S-VEGREVILLE

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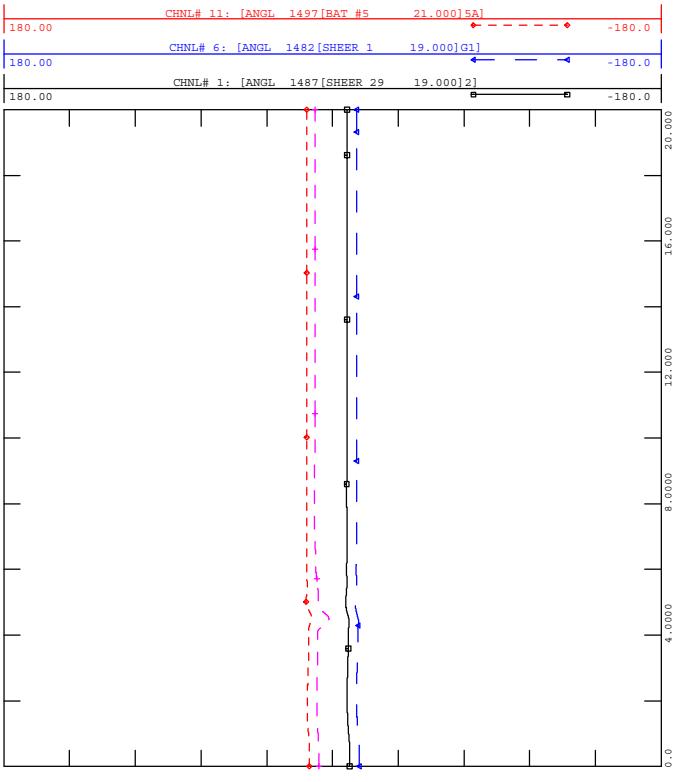
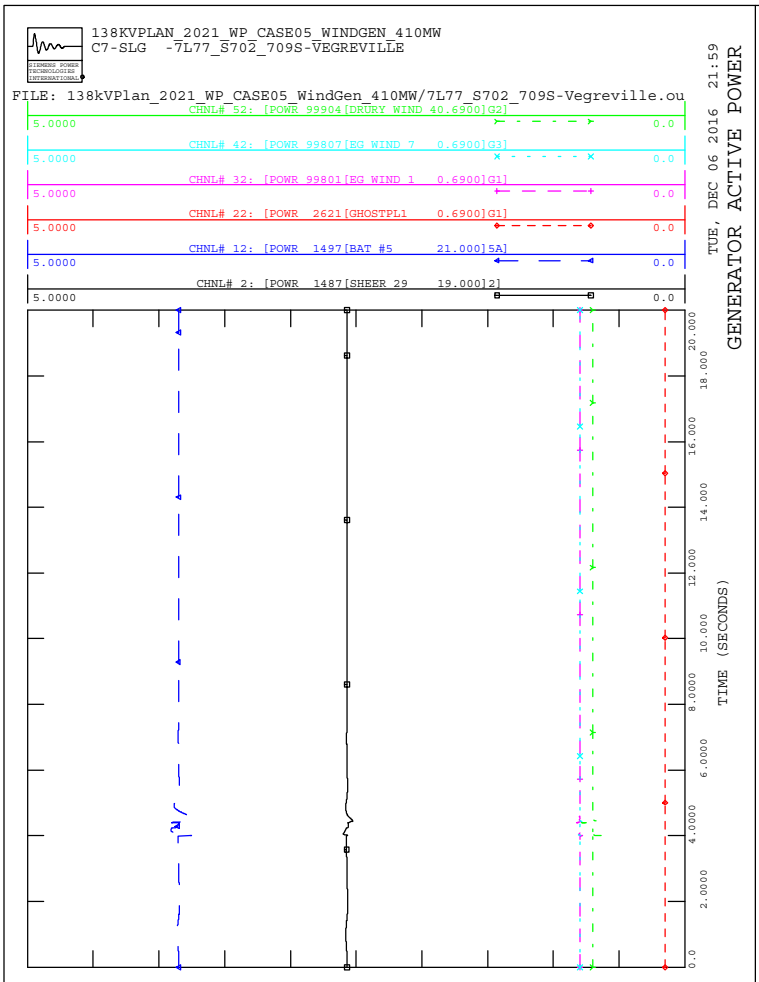
MACHINE ANGLE

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C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_S702_709S-Vegreville.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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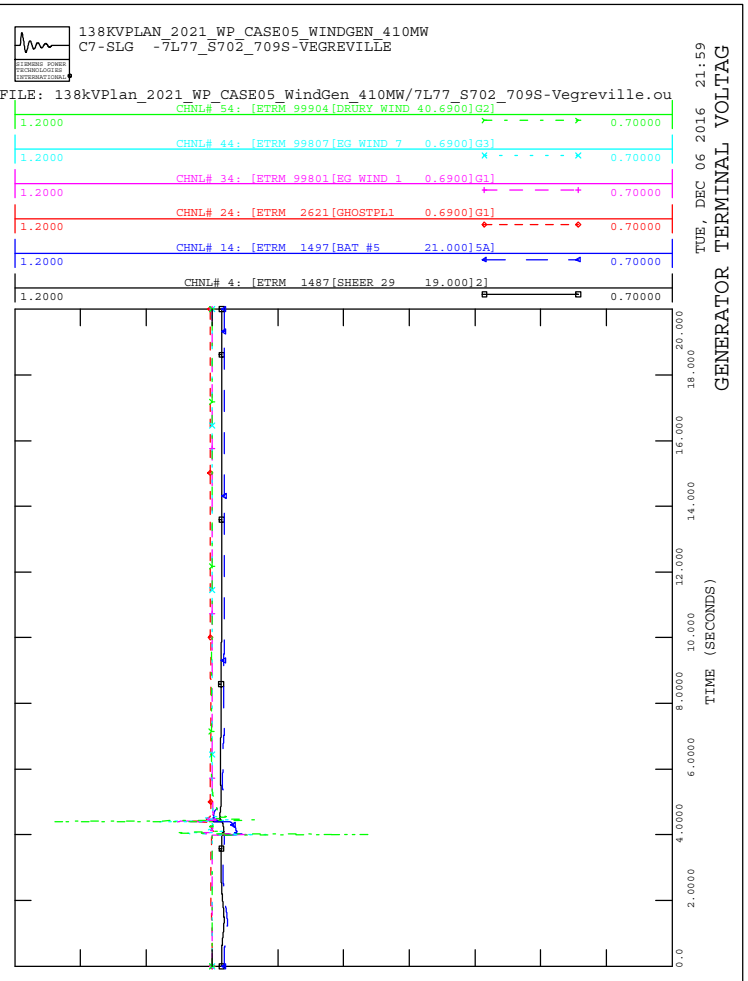
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C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_S702_709S-Vegreville.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
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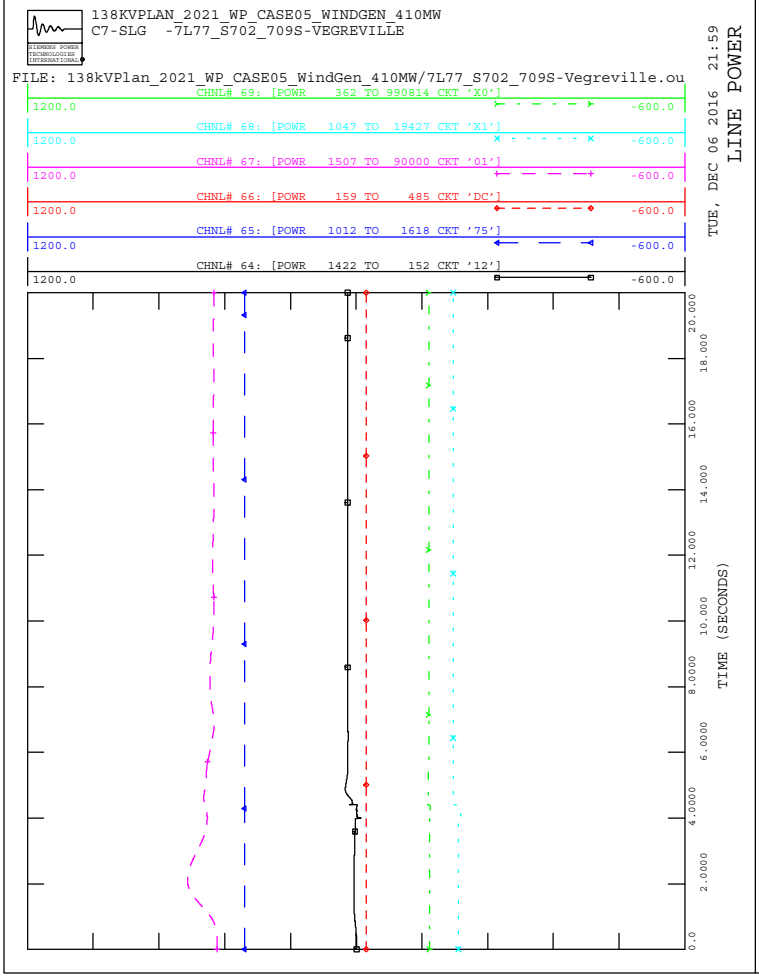
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C7-SLG -7L77_S702_709S-VEGREVILLE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_S702_709S-Vegreville.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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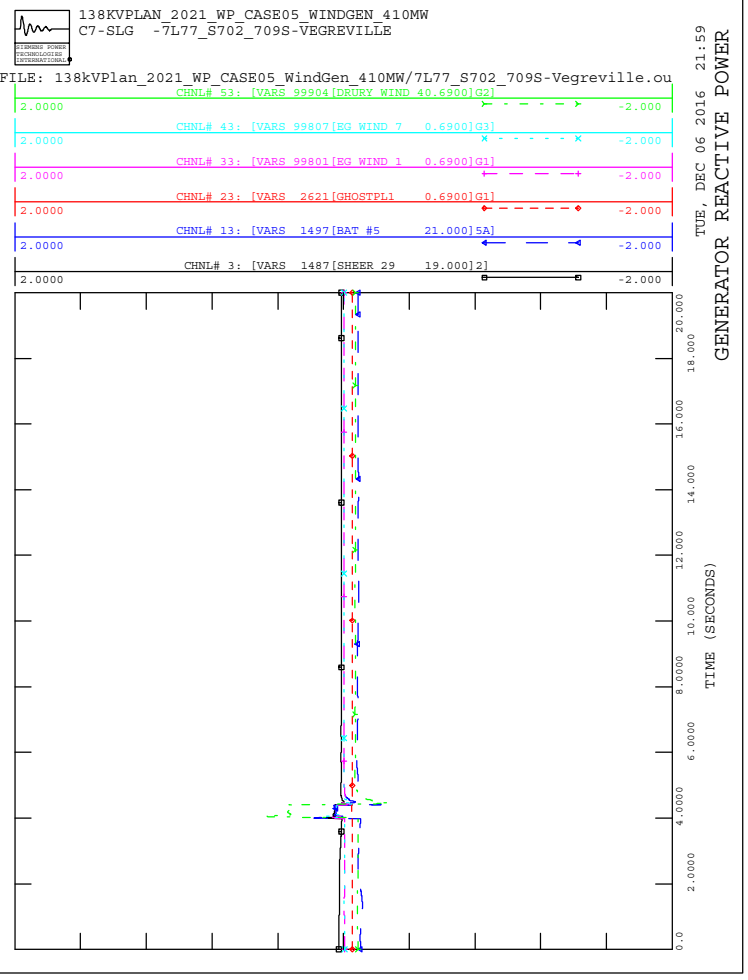
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FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L77_S702_709S-Vegreville.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
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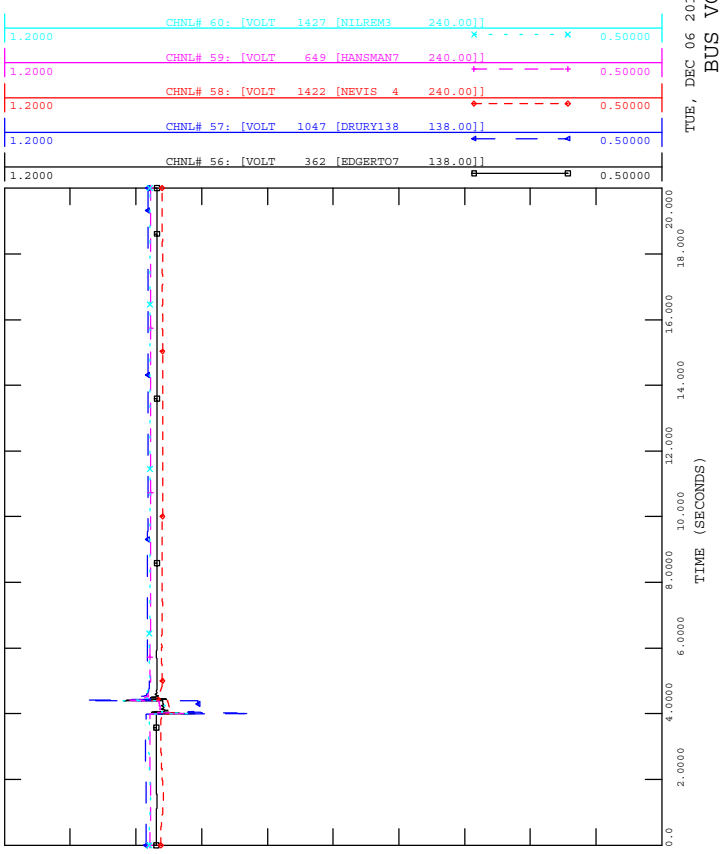
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_S703_709S-Vegreville.ou

TUE, DEC 06 2016 21:59

BUS VOLTAGE



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C7-SLG -7L92_S703_709S-VEGREVILLE

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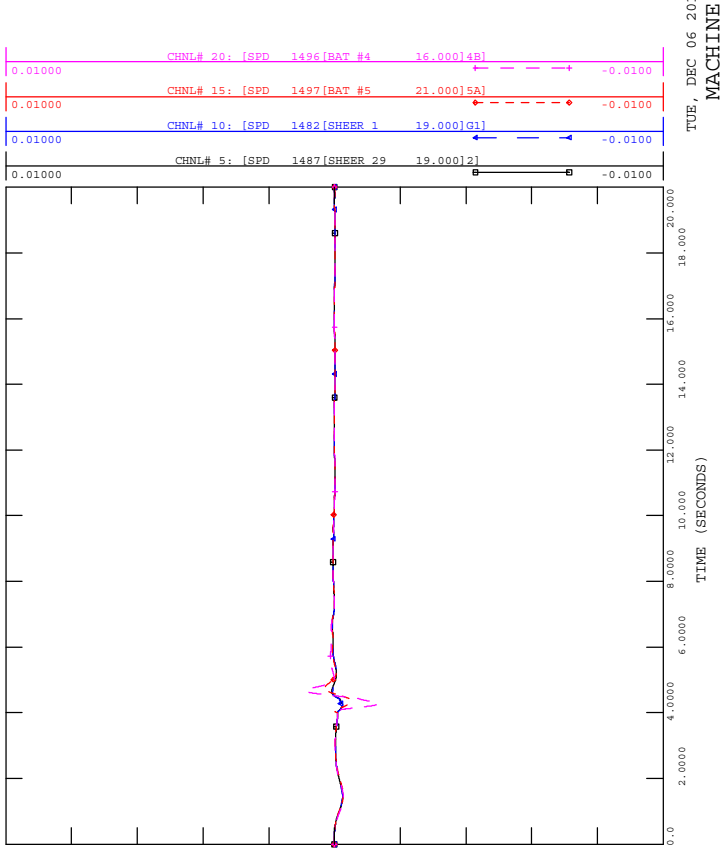

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C7-SLG -7L92_S703_709S-VEGREVILLE

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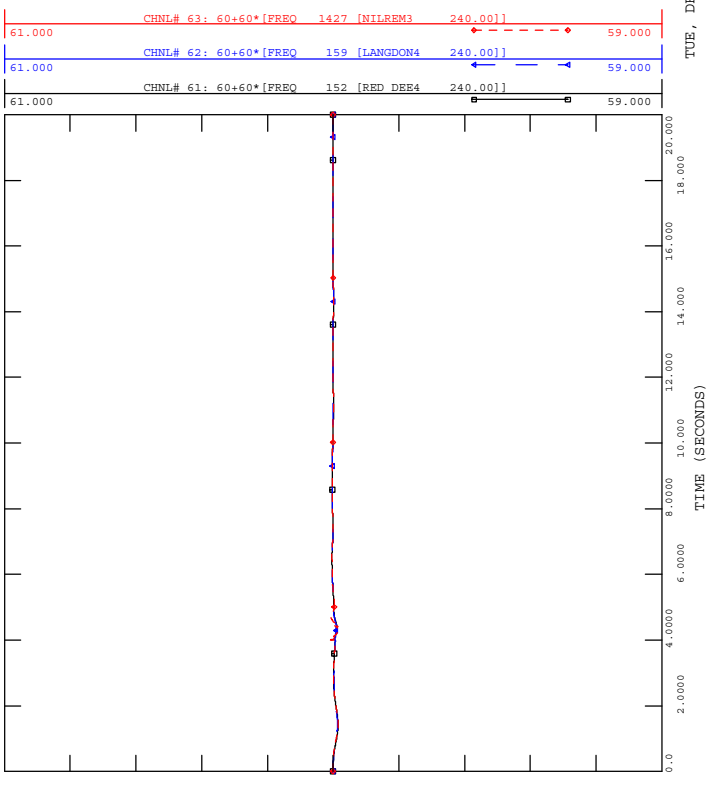

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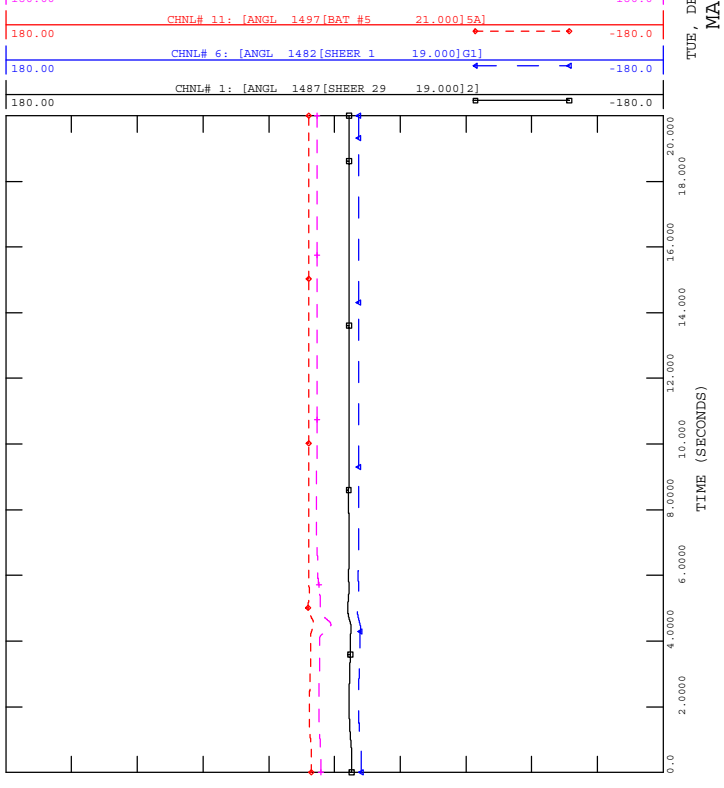

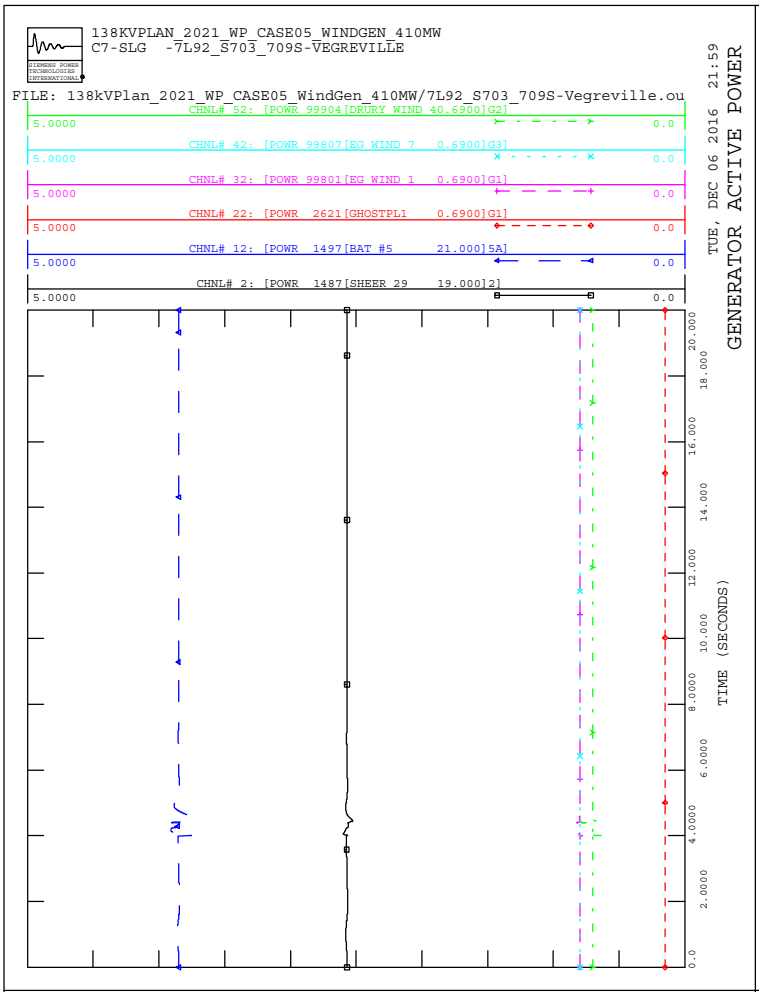
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C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L92_S703_709S-Vegreville.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
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CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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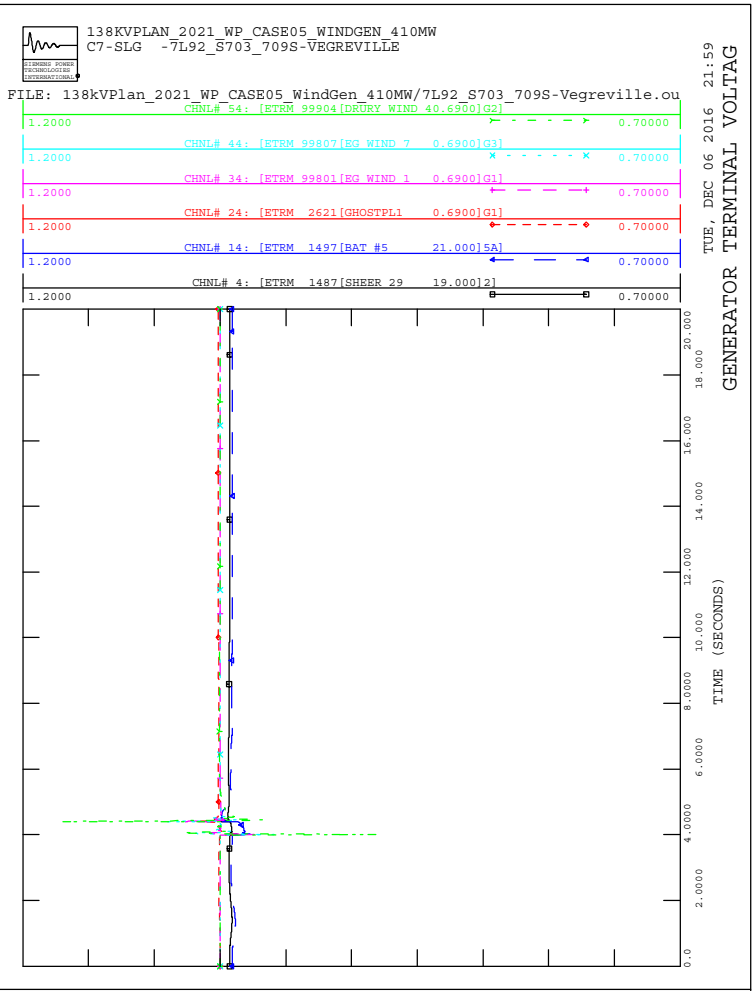
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C7-SLG -7L92_S703_709S-VEGREVILLE
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
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TUE, DEC 06 2016 21:59
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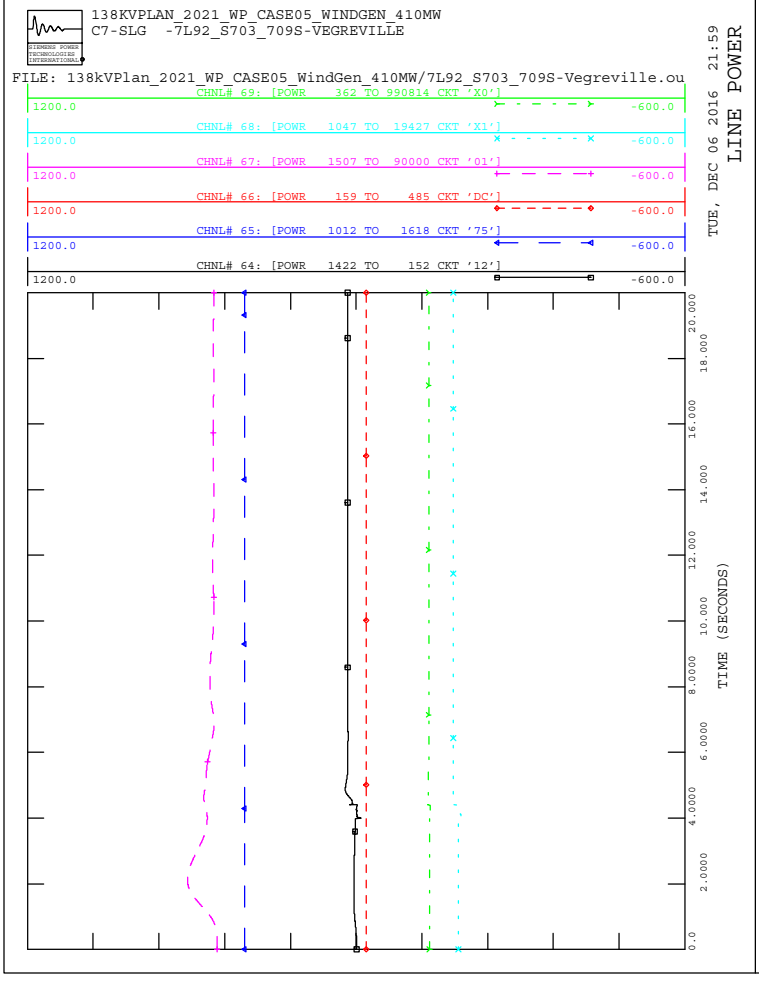
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C7-SLG -7L92_S703_709S-VEGREVILLE
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CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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LINE POWER
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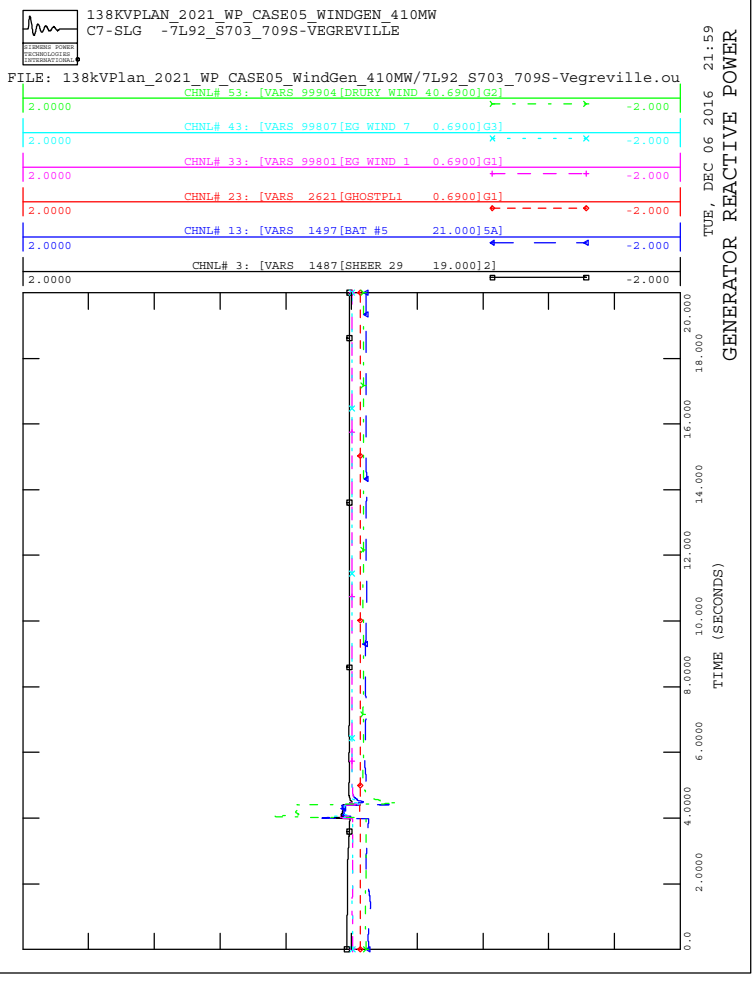
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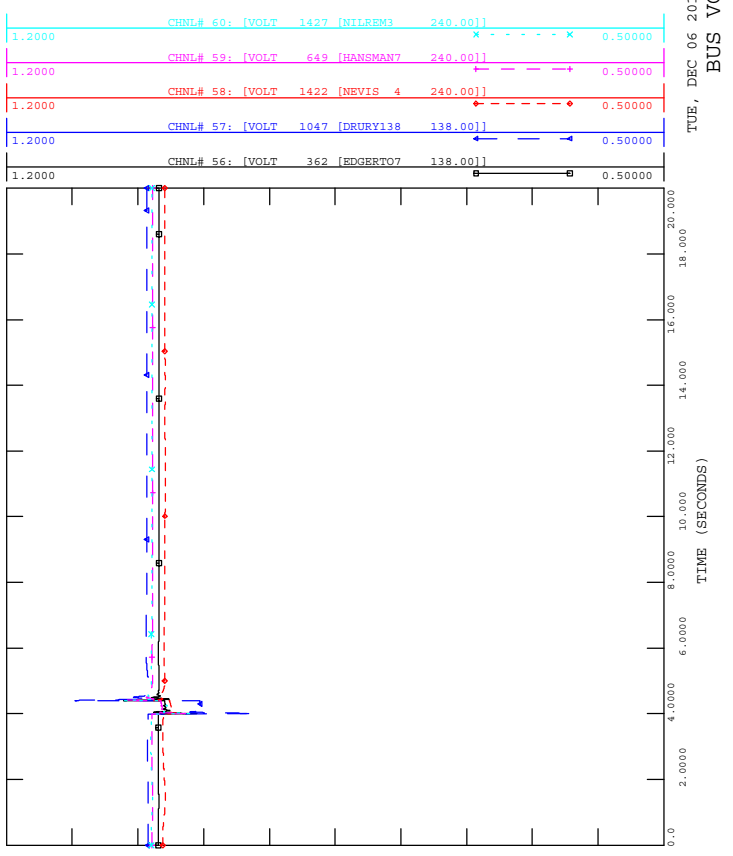
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_S701_709S-Vegreville.ou

TUE, DEC 06 2016 21:59

BUS VOLTAGE

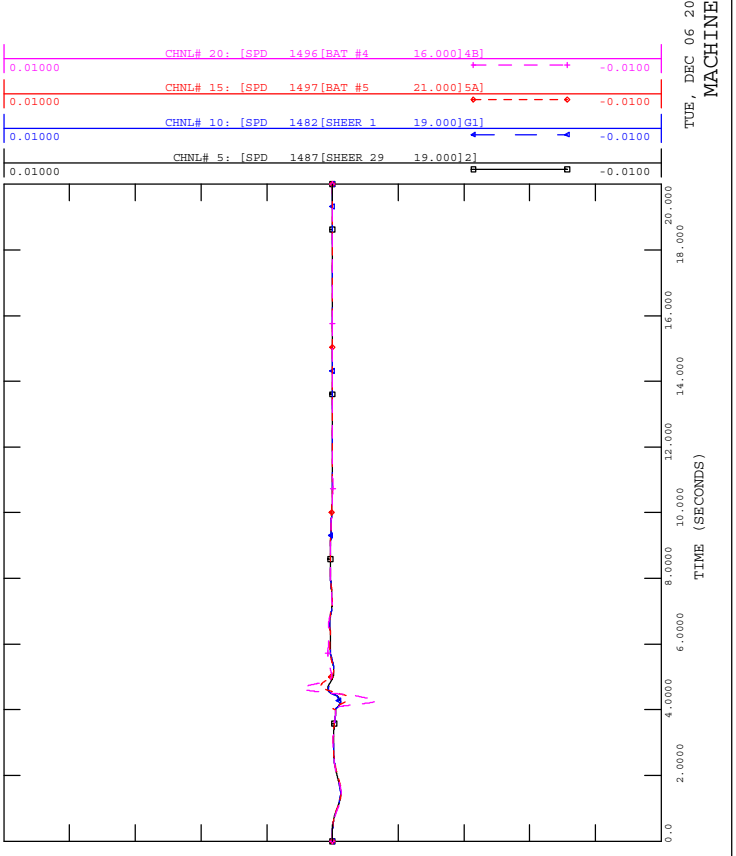


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_S701_709S-Vegreville.ou

TUE, DEC 06 2016 21:59

MACHINE SPEED



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C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_S701_709S-Vegreville.ou

TUE, DEC 06 2016 21:59

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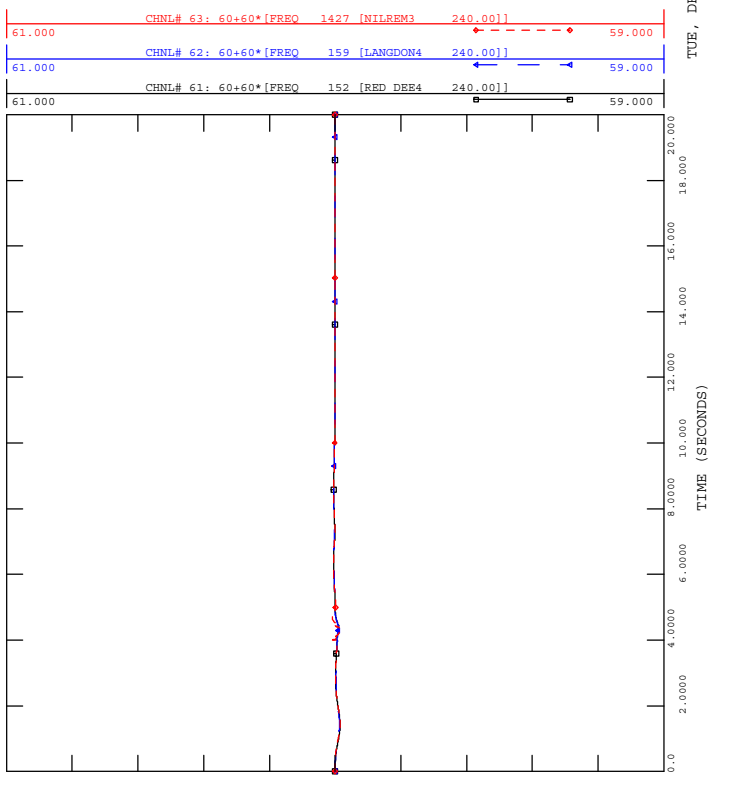

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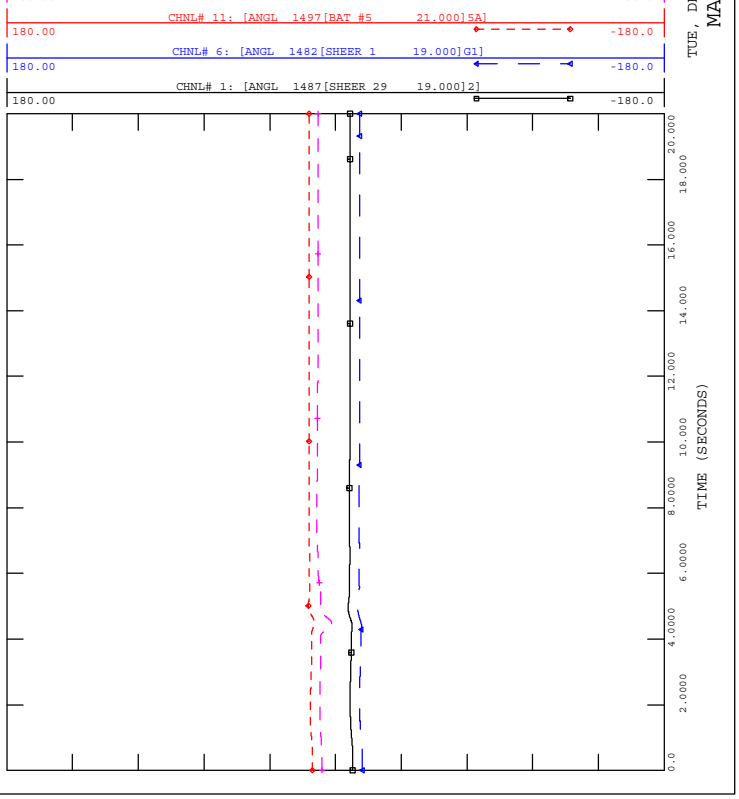
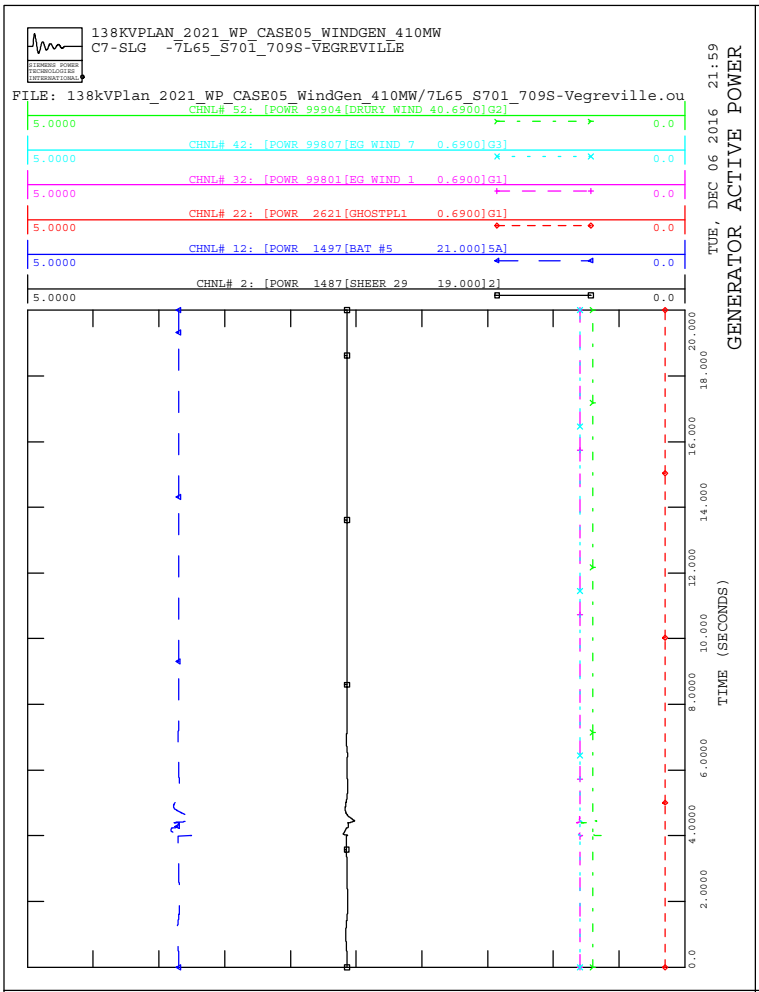
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_S701_709S-Vegreville.ou

TUE, DEC 06 2016 21:59

MACHINE ANGLE

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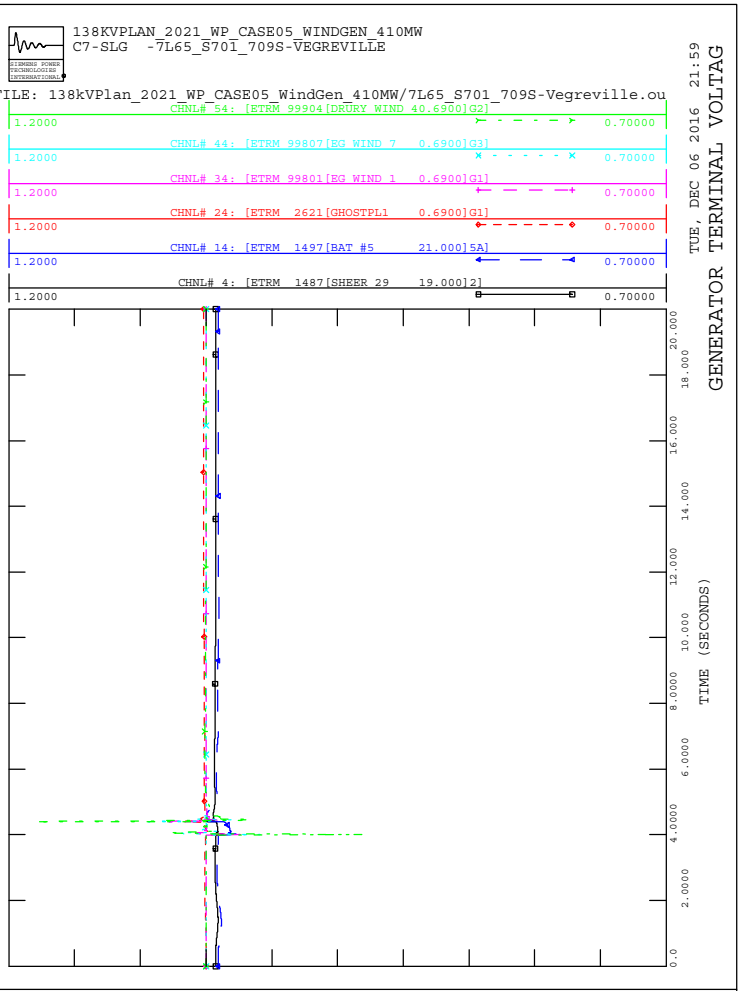
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_S701_709S-Vegreville.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_S701_709S-Vegreville.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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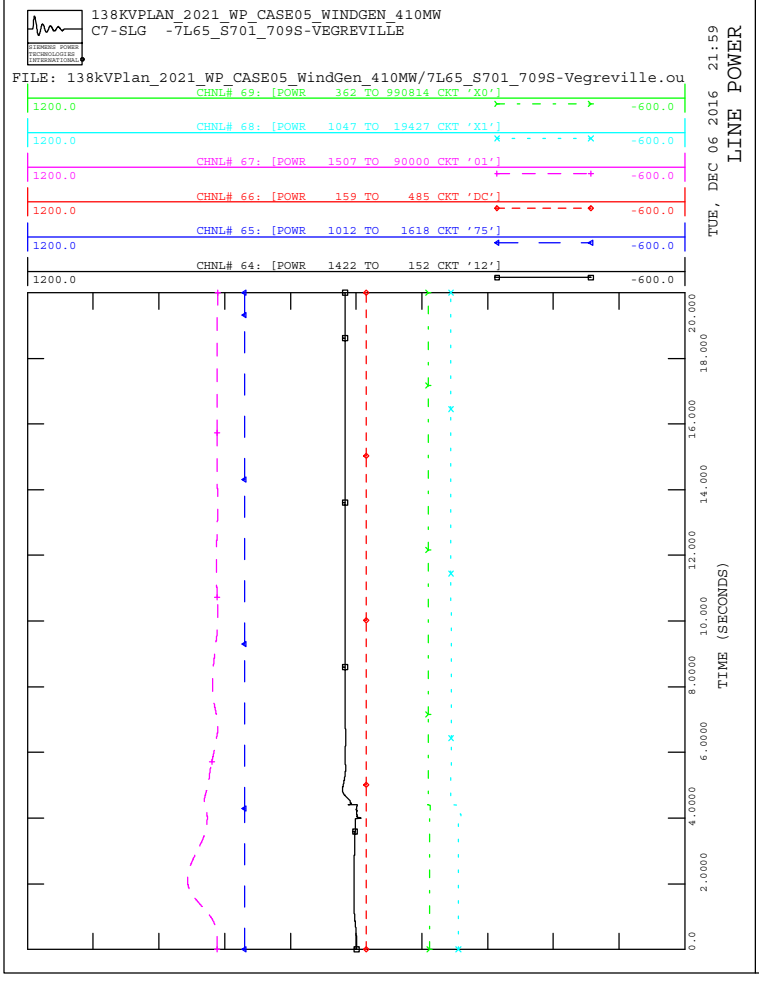
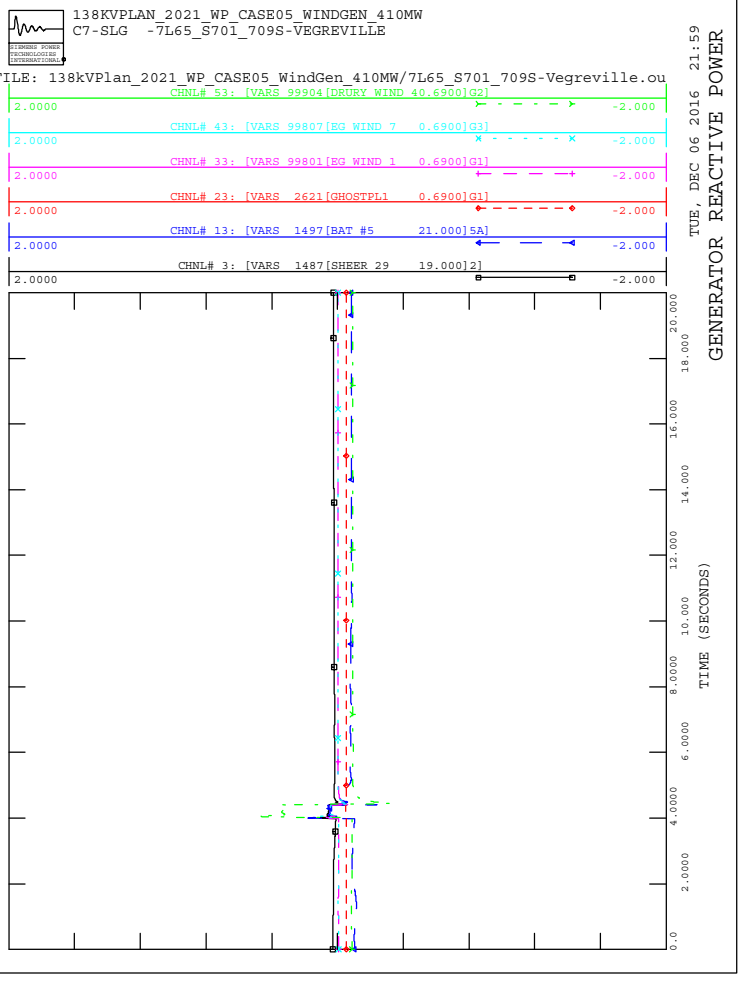
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_S701_709S-Vegreville.ou
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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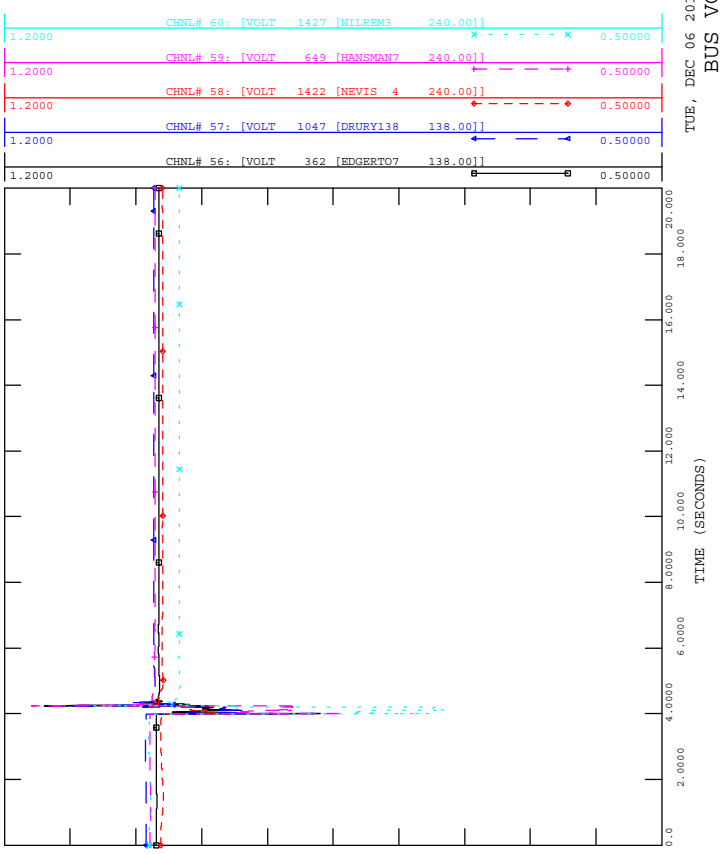
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_S701_709S-Vegreville.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -953L_S552_574S-NILREM

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/953L_S552_574S-Nilrem.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -953L_S552_574S-NILREM

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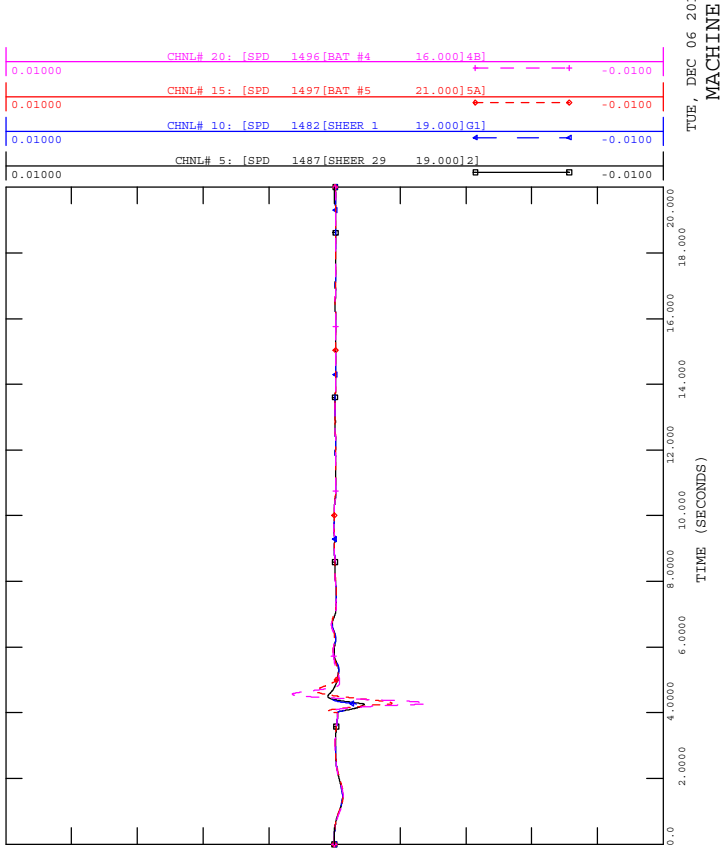
TUE, DEC 06 2016 21:59

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -953L_S552_574S-NILREM

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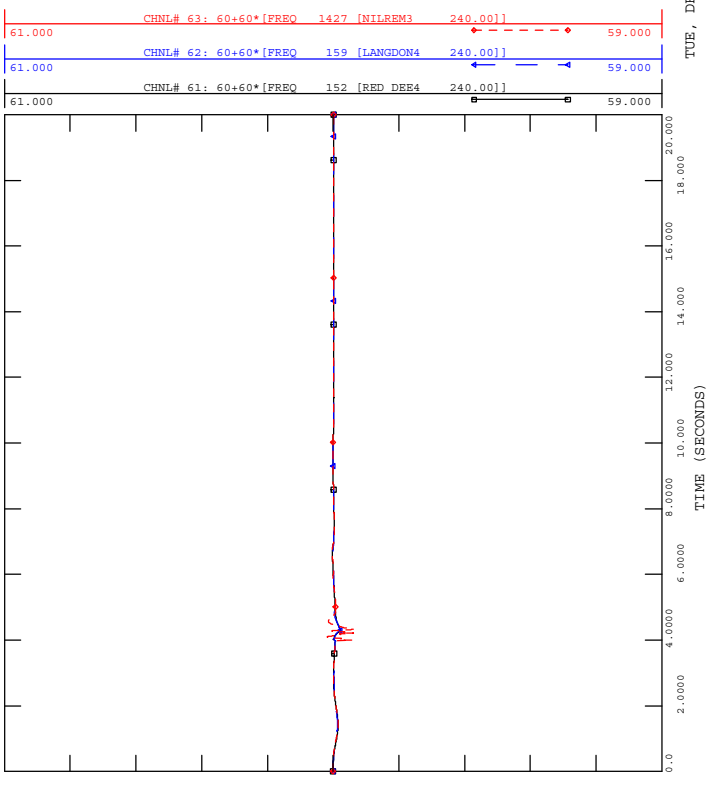

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C7-SLG -953L_S552_574S-NILREM

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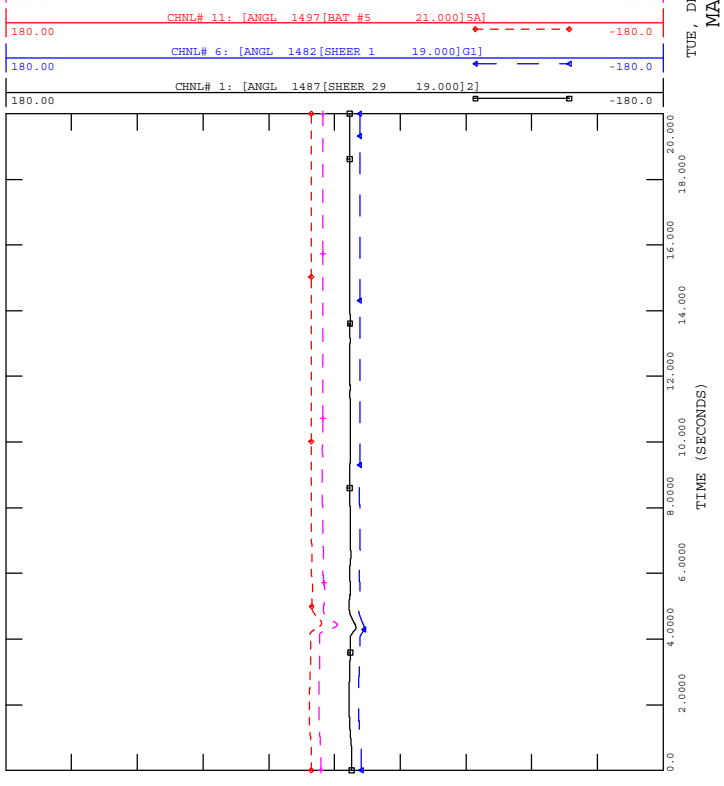
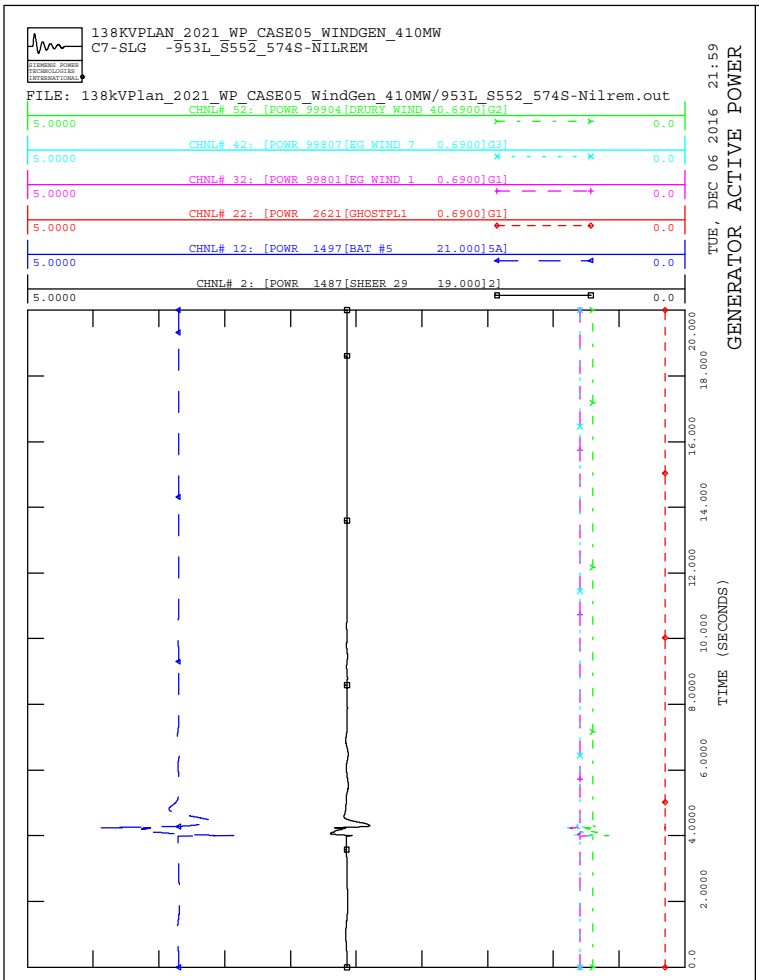
TUE, DEC 06 2016 21:59

MACHINE ANGLE

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C7-SLG -953L_S552_574S-NILREM
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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10.000
12.000
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16.000
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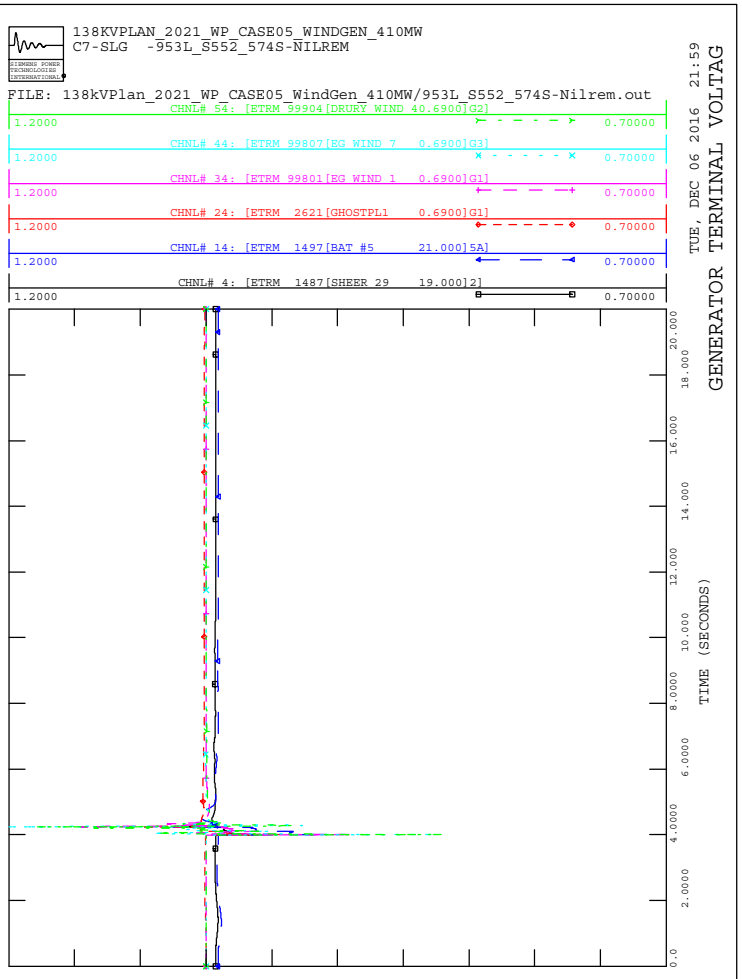
20.000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C7-SLG -953L_S552_574S-NILREM
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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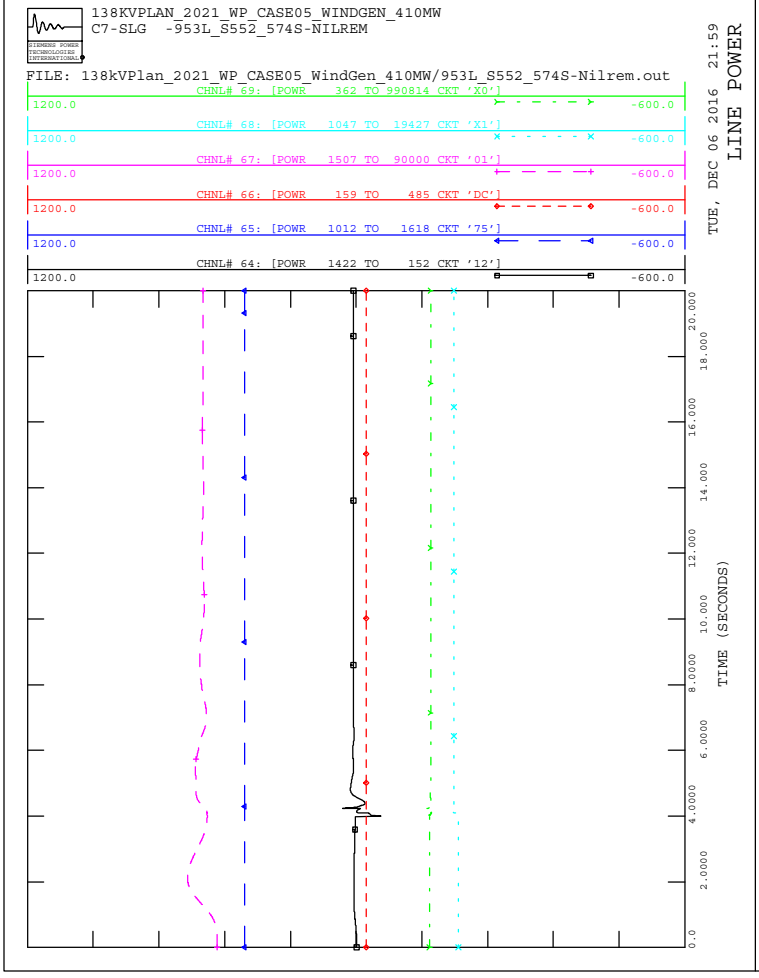
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C7-SLG -953L_S552_574S-NILREM
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CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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2.0000
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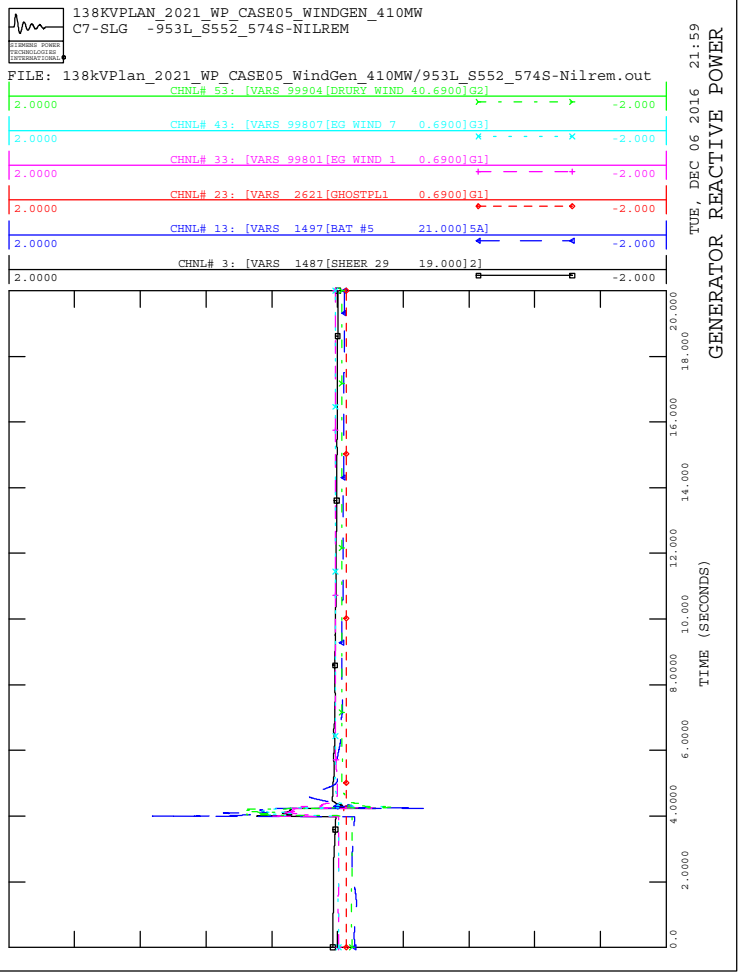
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C7-SLG -953L_S552_574S-NILREM
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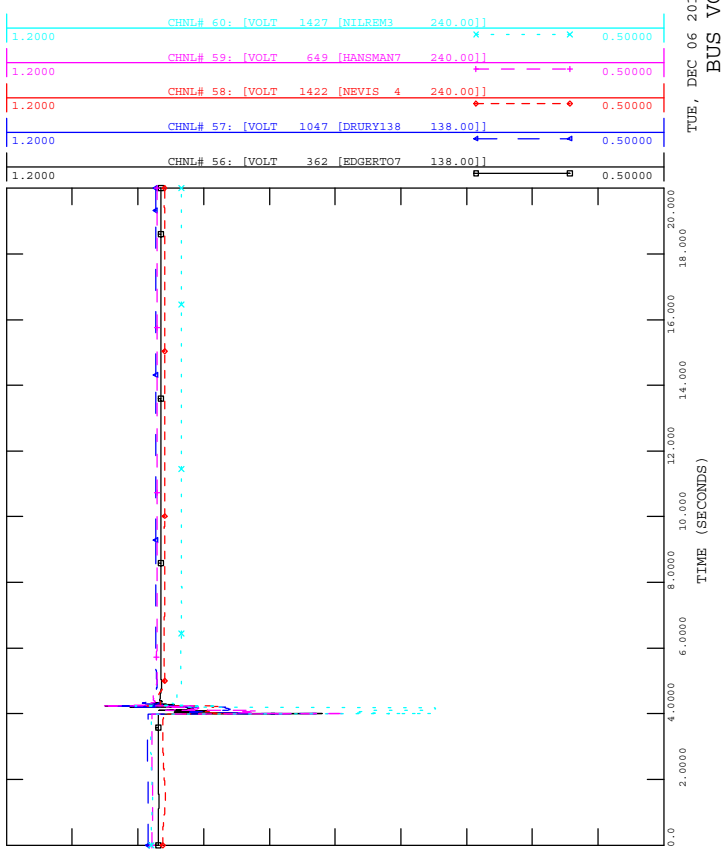
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_S552_574S-Nilrem.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE



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C7-SLG -1047L_S552_574S-NILREM

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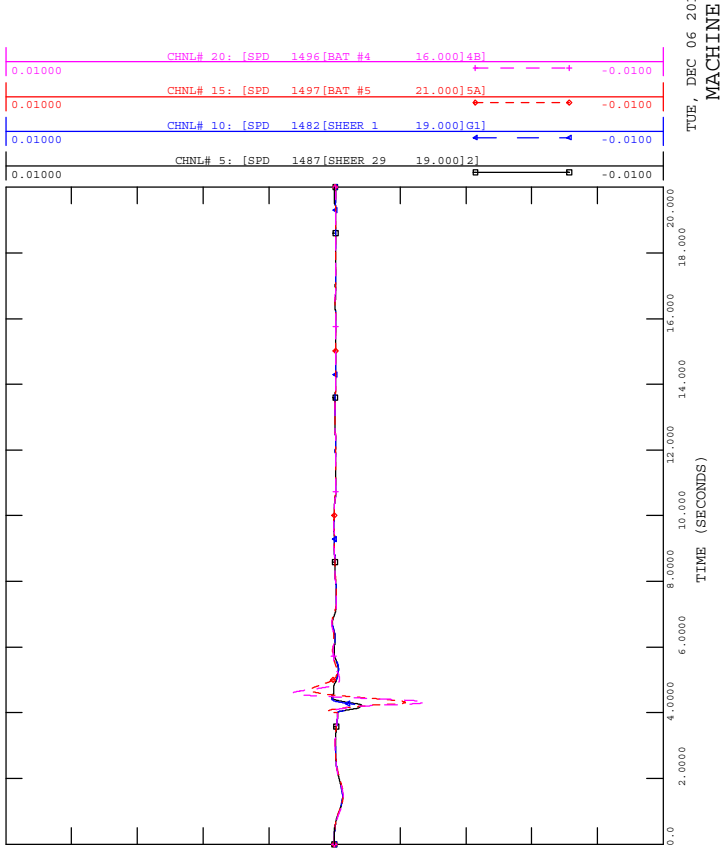
TUE, DEC 06 2016 21:59

MACHINE SPEED



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C7-SLG -1047L_S552_574S-NILREM

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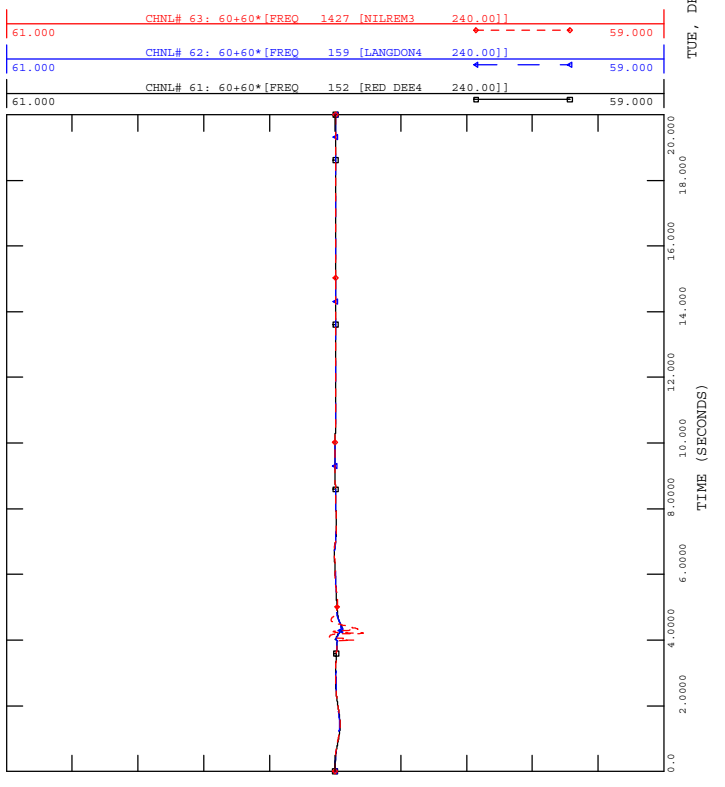
TUE, DEC 06 2016 21:59

FREQUENCY



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C7-SLG -1047L_S552_574S-NILREM

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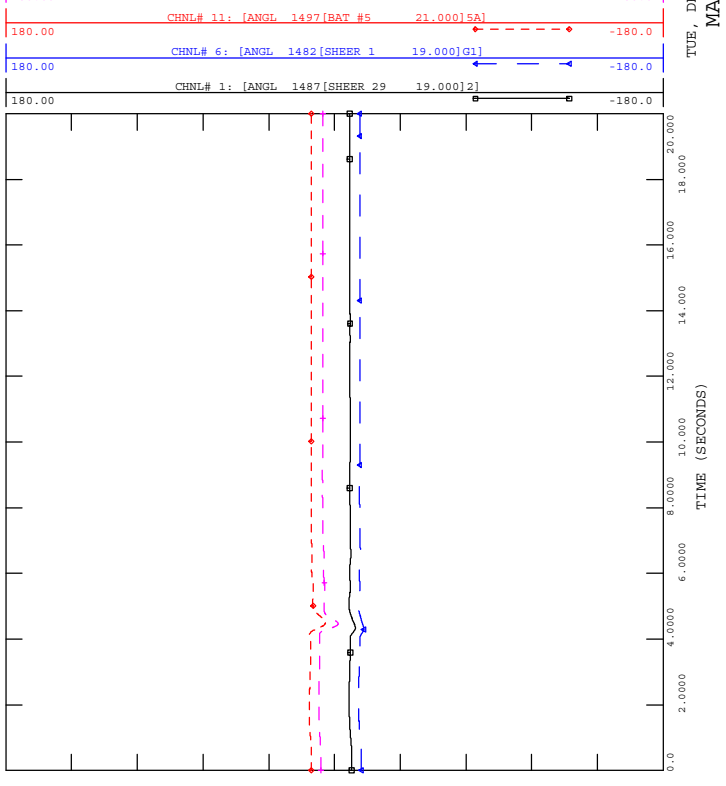
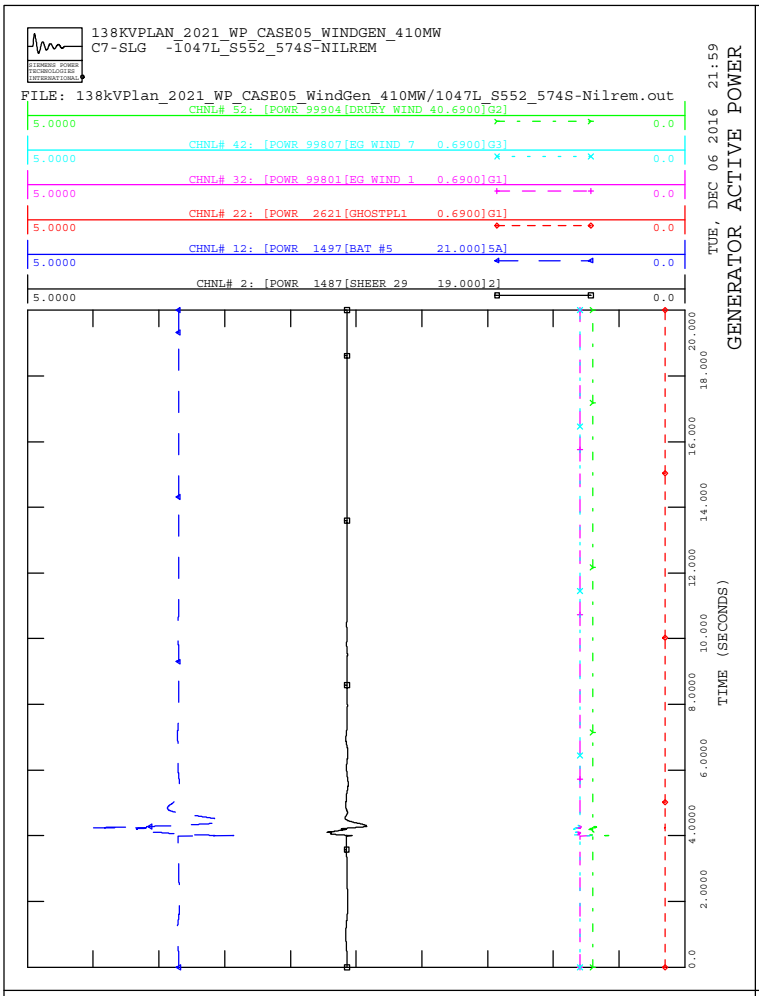
TUE, DEC 06 2016 21:59

MACHINE ANGLE

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C7-SLG -1047L_S552_574S-NILREM
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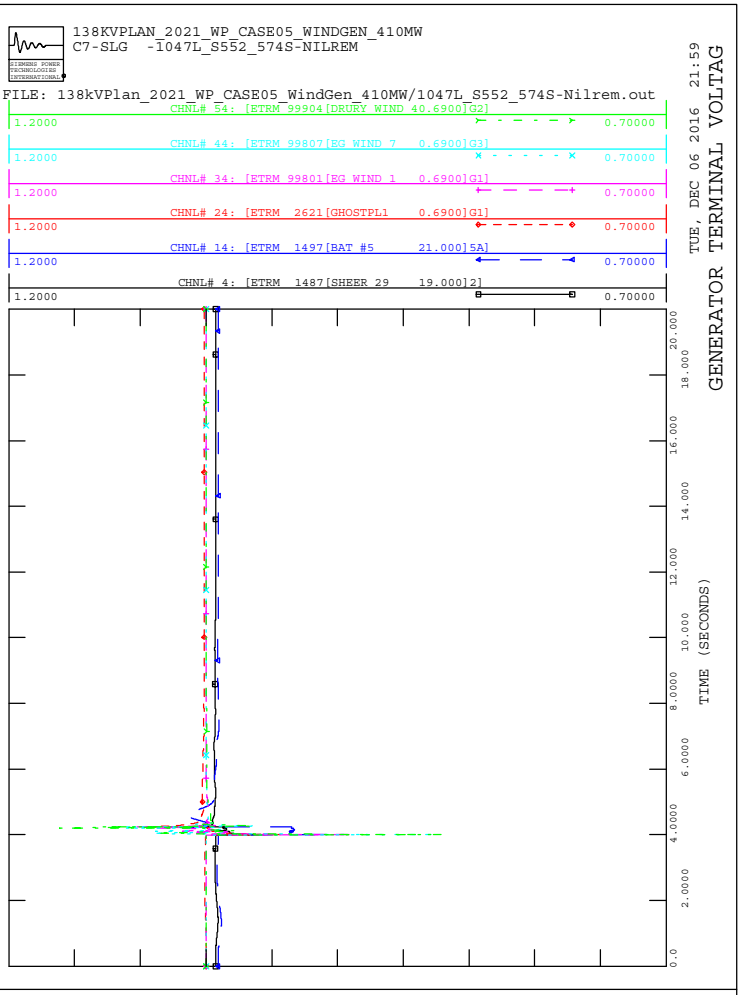
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -1047L_S552_574S-NILREM
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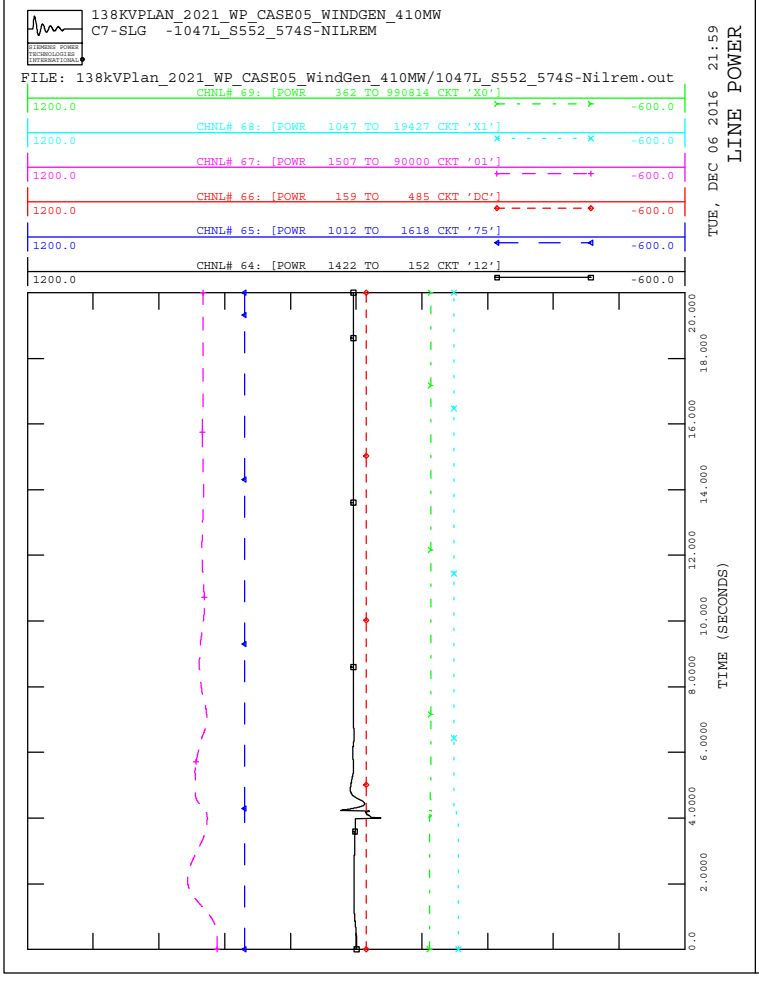
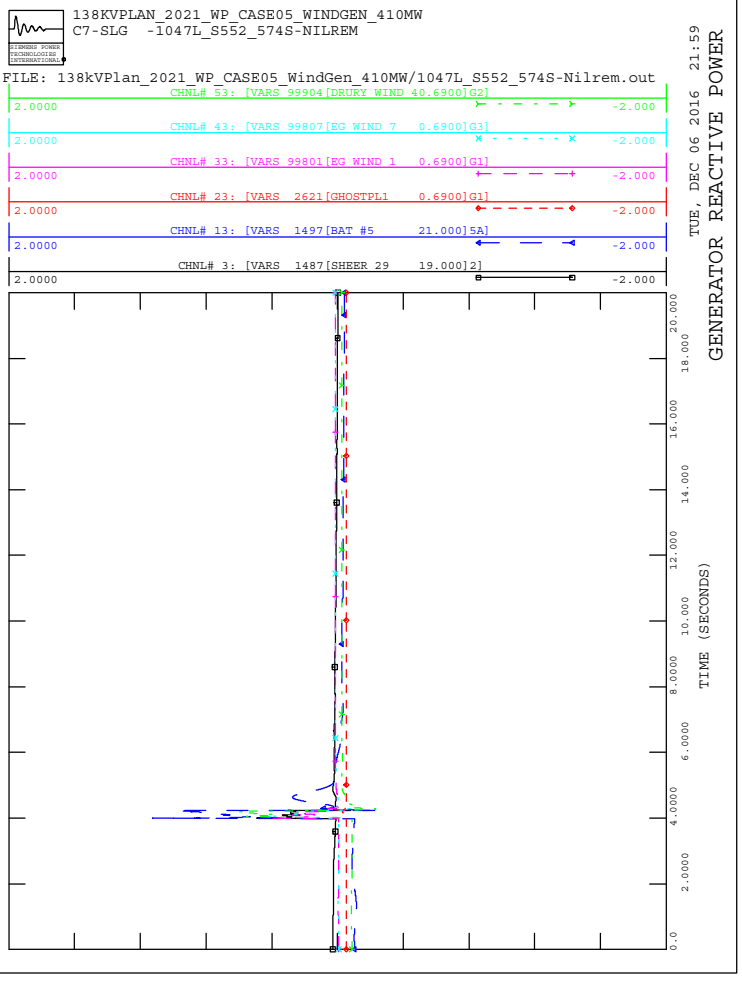
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -1047L_S552_574S-NILREM
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/1047L_S552_574S-Nilrem.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)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C7-SLG -1047L_S552_574S-NILREM
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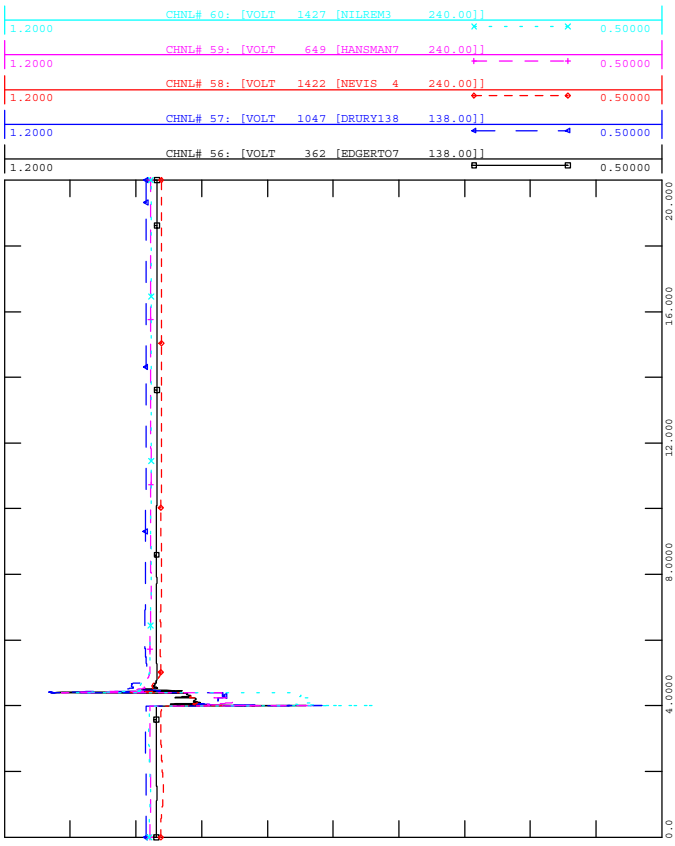
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW NILREM-DRURY 138_574S-NILREM

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Nilrem-Drury 138_574S-Ni

TUE, DEC 06 2016 21:59

BUS VOLTAGE

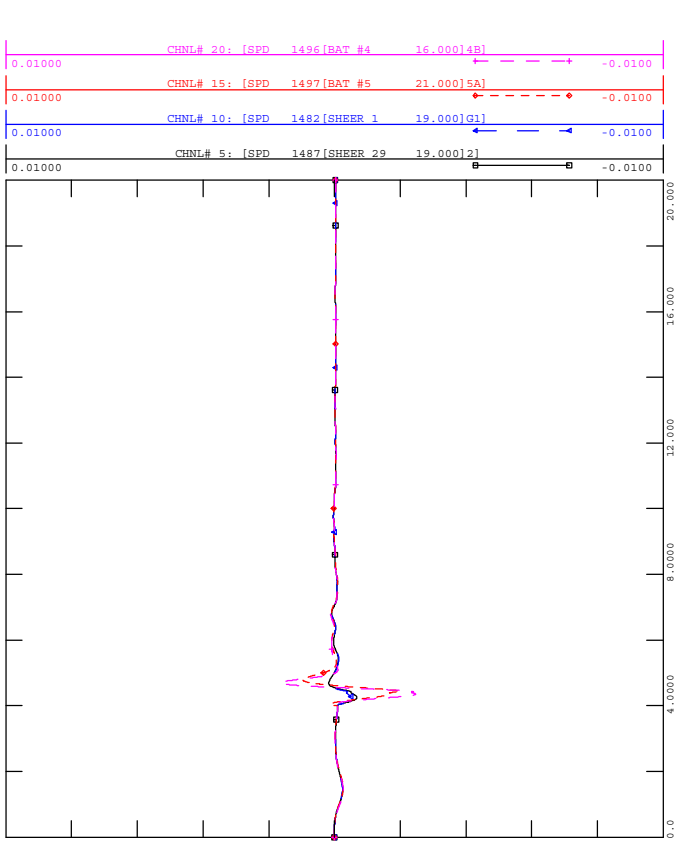


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW NILREM-DRURY 138_574S-NILREM

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Nilrem-Drury 138_574S-Ni

TUE, DEC 06 2016 21:59

MACHINE SPEED

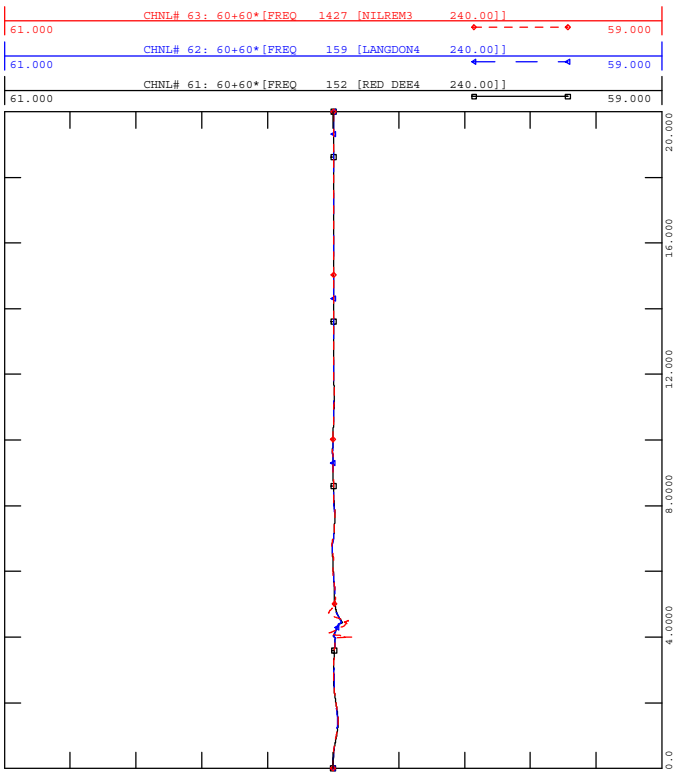


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW NILREM-DRURY 138_574S-NILREM

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Nilrem-Drury 138_574S-Ni

TUE, DEC 06 2016 21:59

FREQUENCY

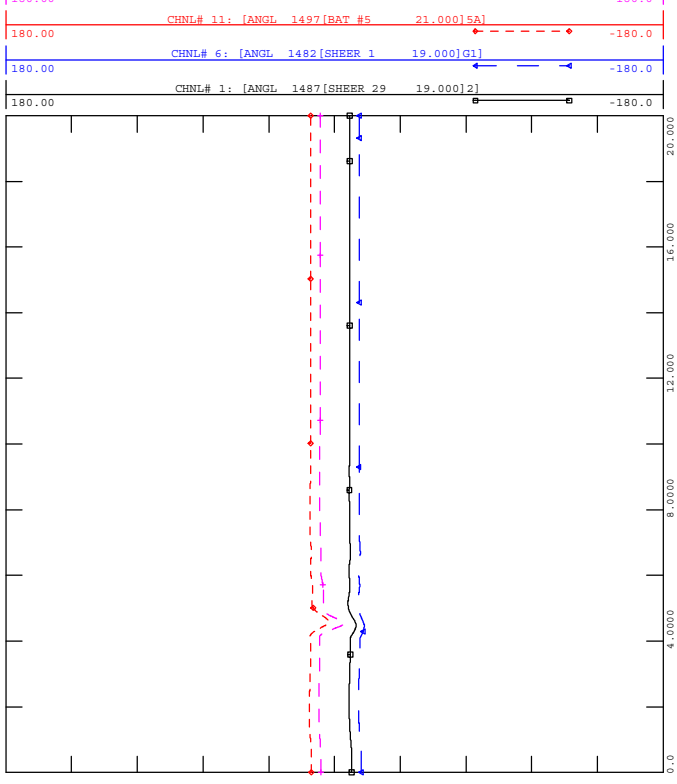


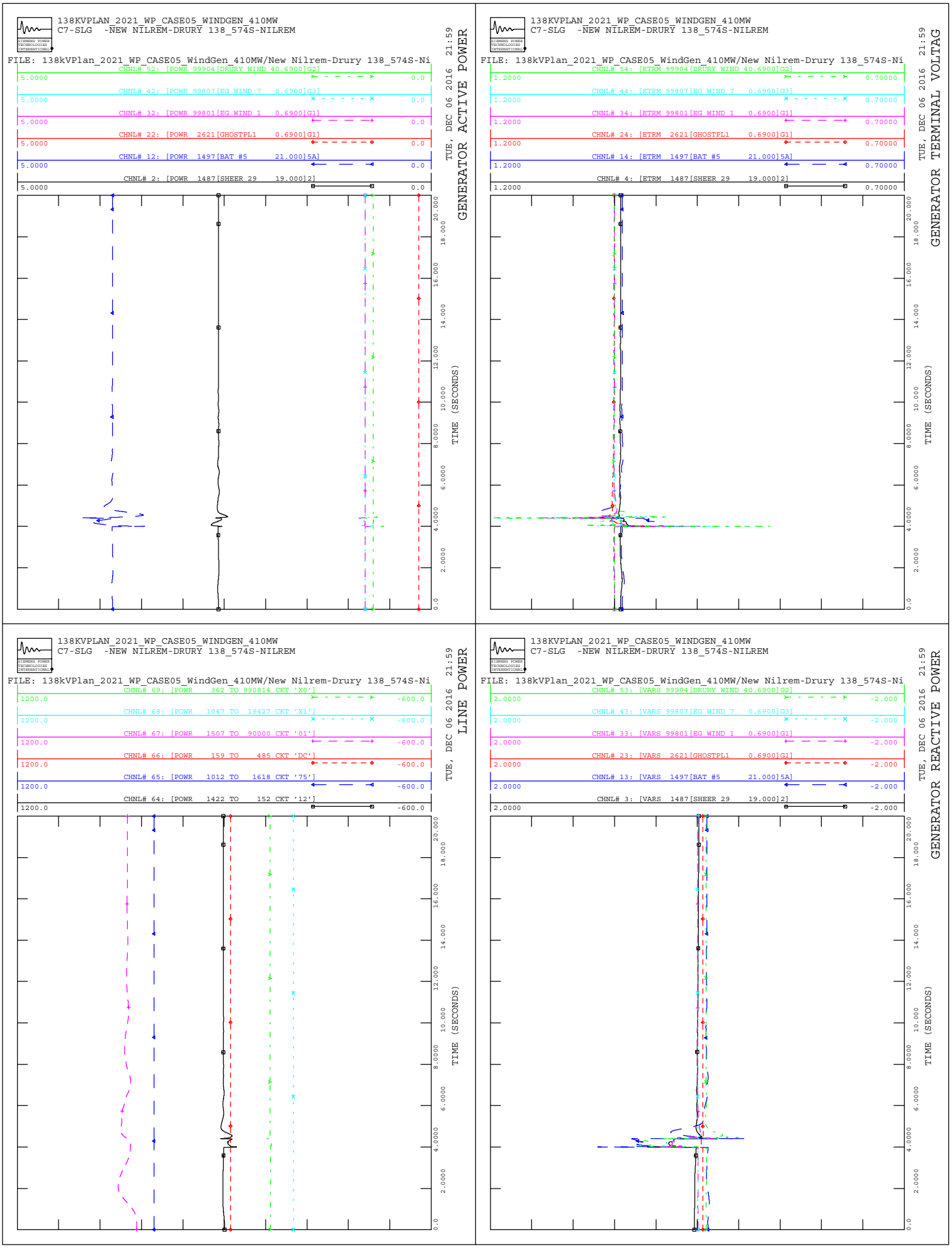
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW NILREM-DRURY 138_574S-NILREM

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Nilrem-Drury 138_574S-Ni

TUE, DEC 06 2016 21:59

MACHINE ANGLE



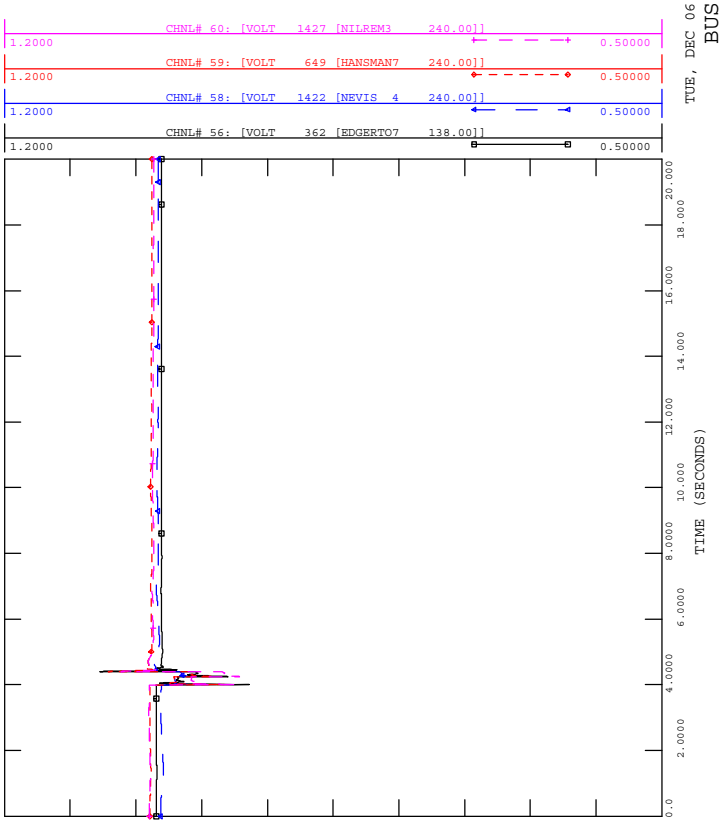

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW NILREM-DRURY 138_574S-NILREM
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Nilrem-Drury 138_574S-Ni
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_2007S_2007S-Drury.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

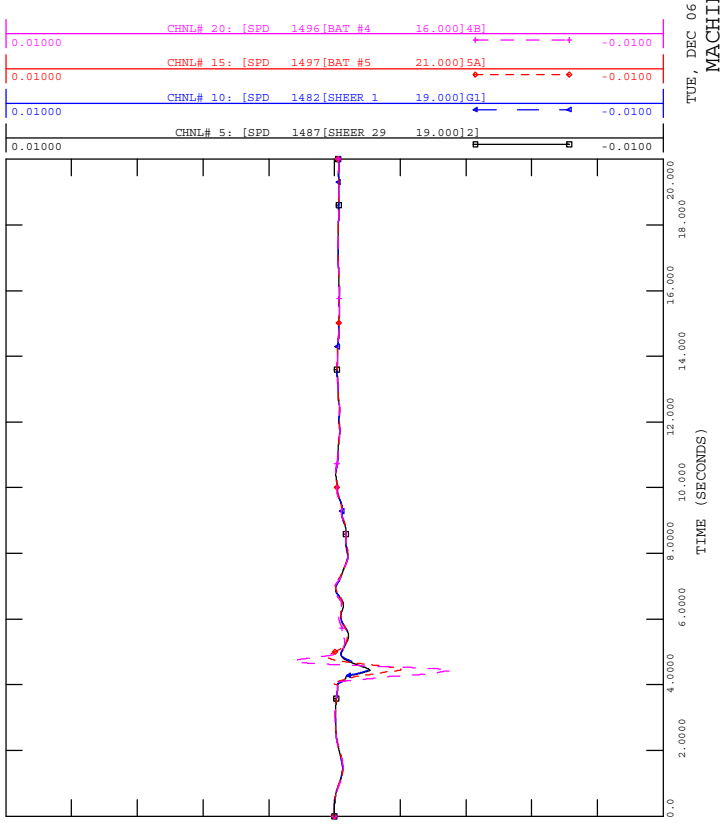


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_2007S_2007S-Drury.out

TUE, DEC 06 2016 21:59

MACHINE SPEED

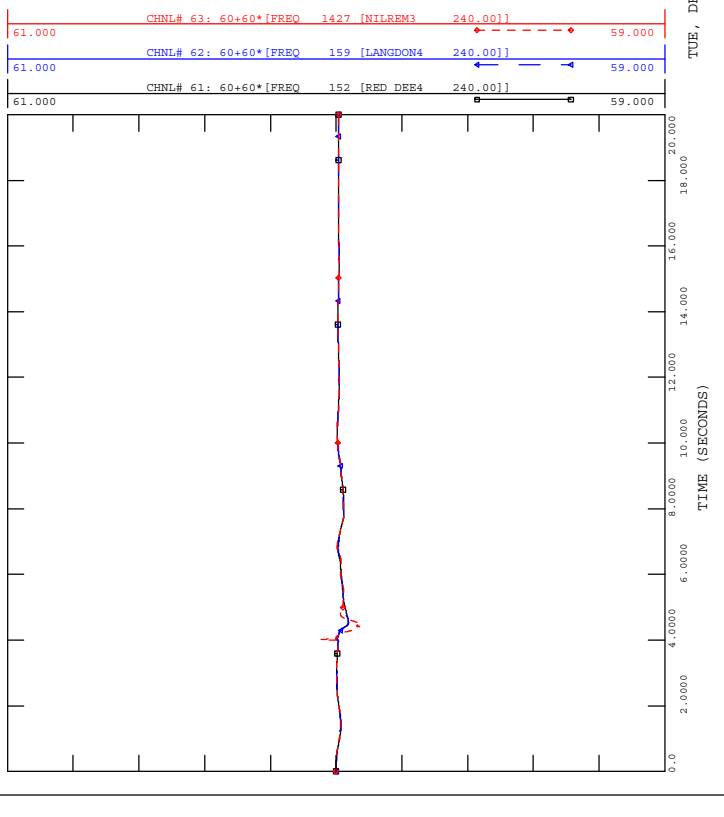


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_2007S_2007S-Drury.out

TUE, DEC 06 2016 21:59

FREQUENCY

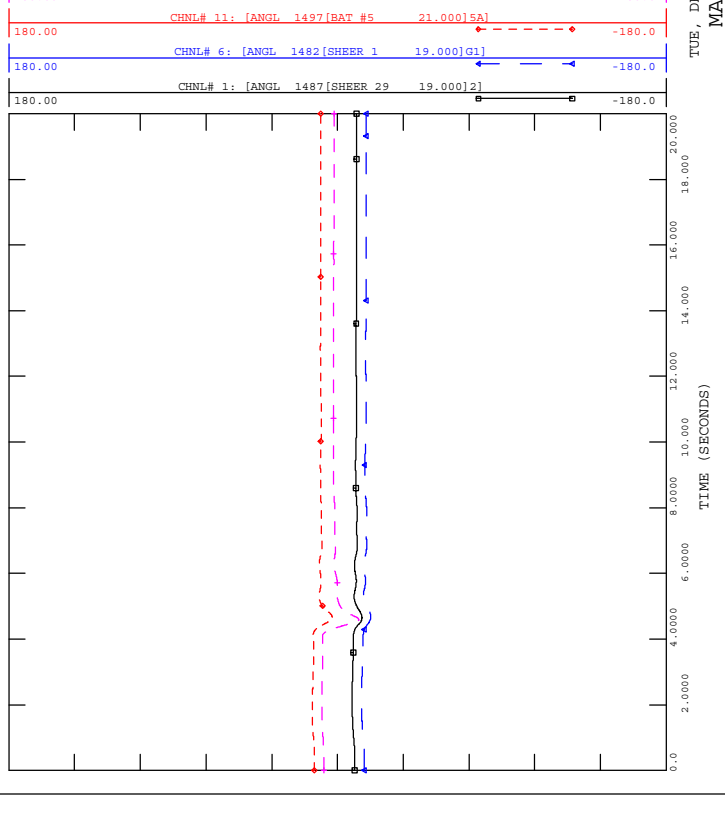


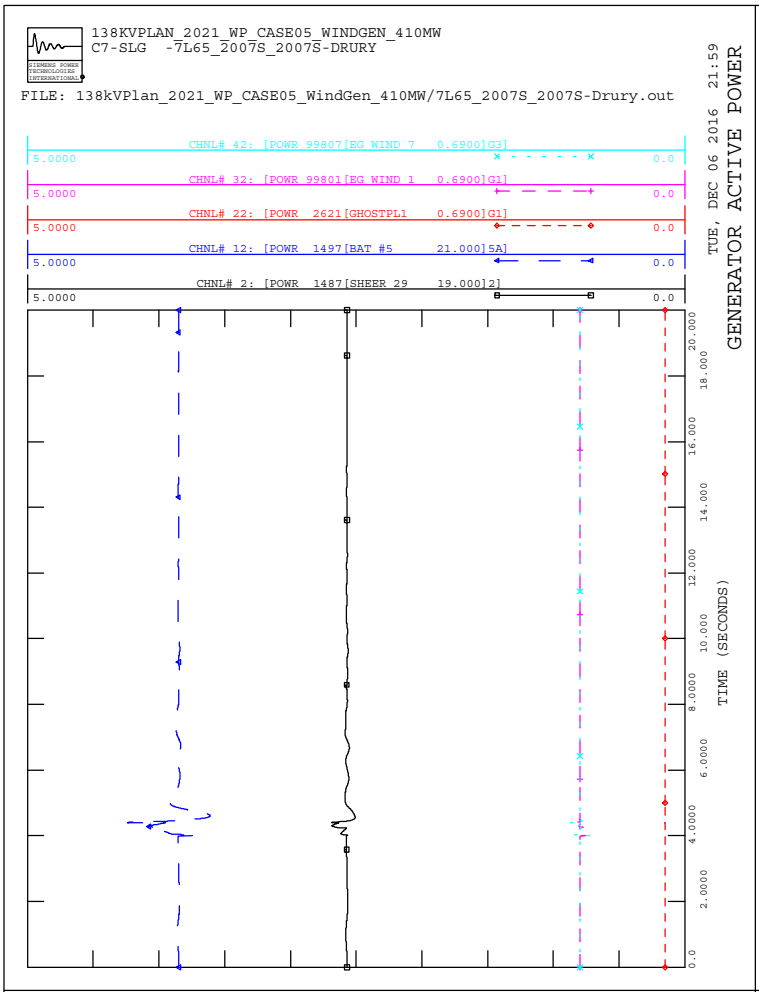
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY

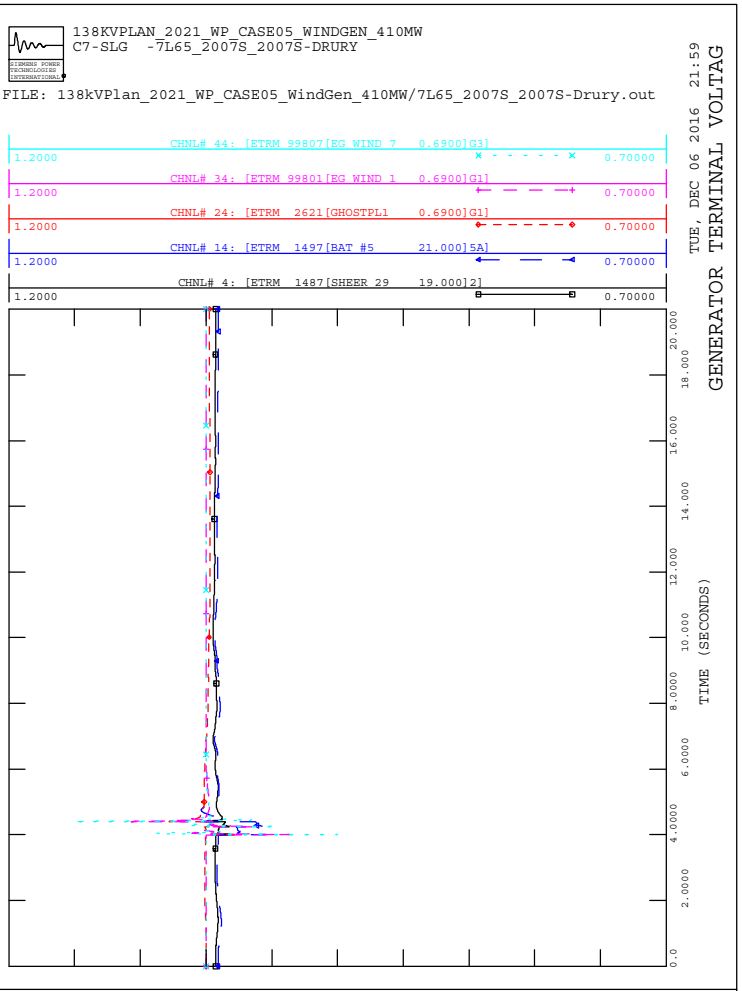
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_2007S_2007S-Drury.out

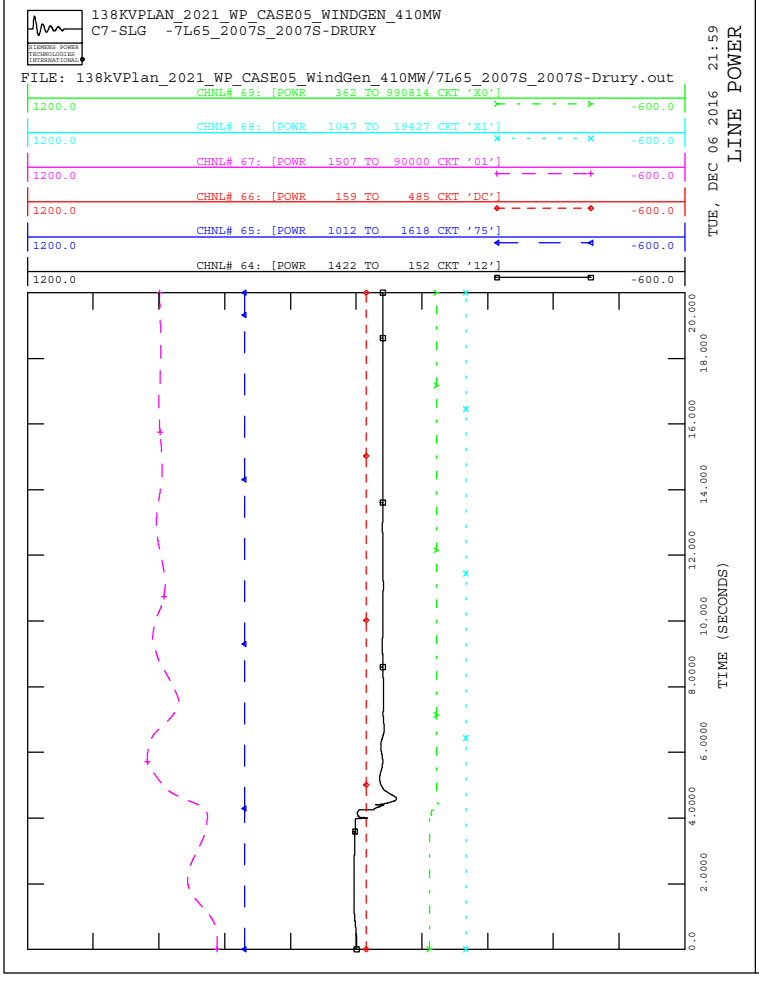
TUE, DEC 06 2016 21:59

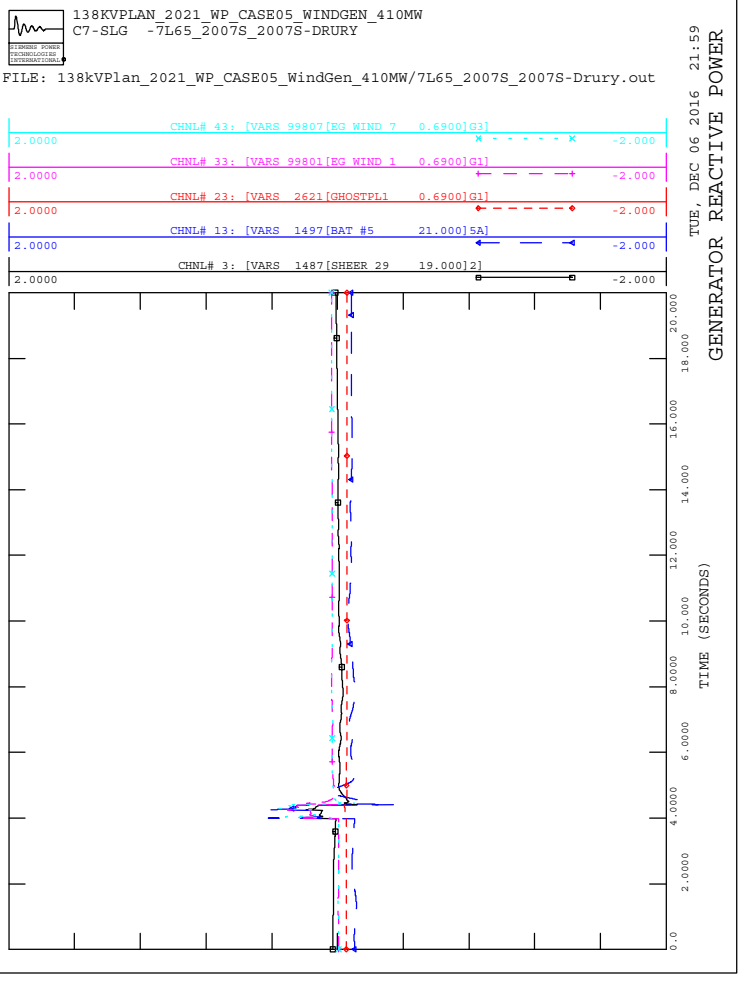
MACHINE ANGLE

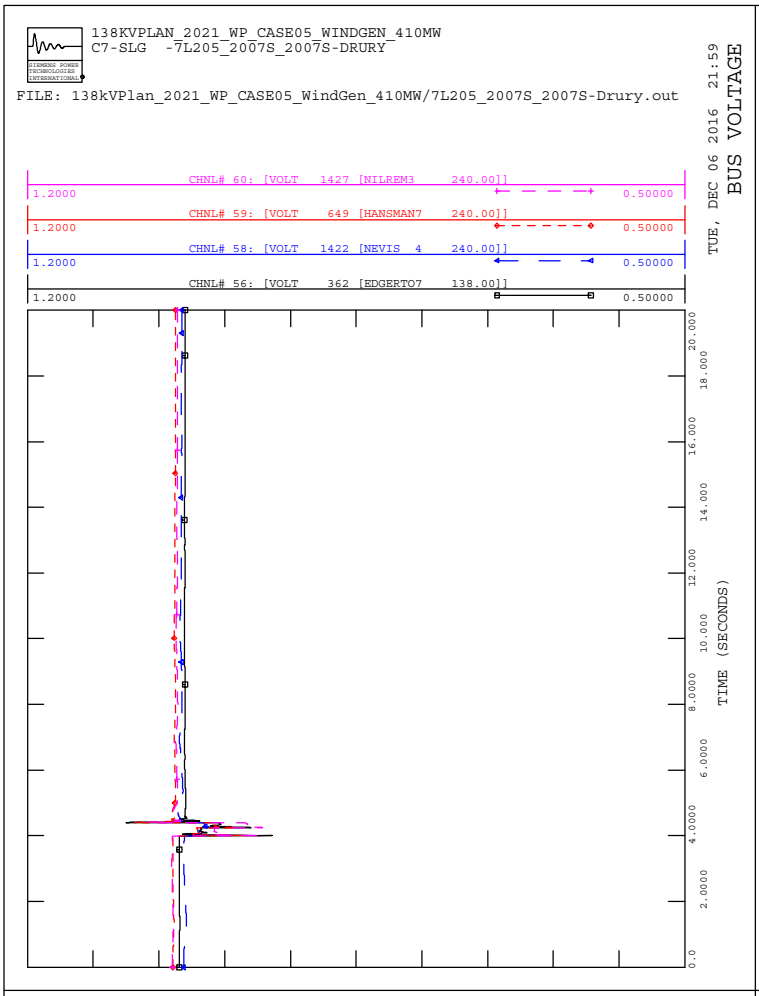



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_2007S_2007S-Drury.out
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_2007S_2007S-Drury.out
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_2007S_2007S-Drury.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L65_2007S_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L65_2007S_2007S-Drury.out
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_2007S_2007S-Drury.out
TUE, DEC 06 2016 21:59
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.50000
TIME (SECONDS)
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4.0000
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8.0000
10.000
12.000
14.000
16.000
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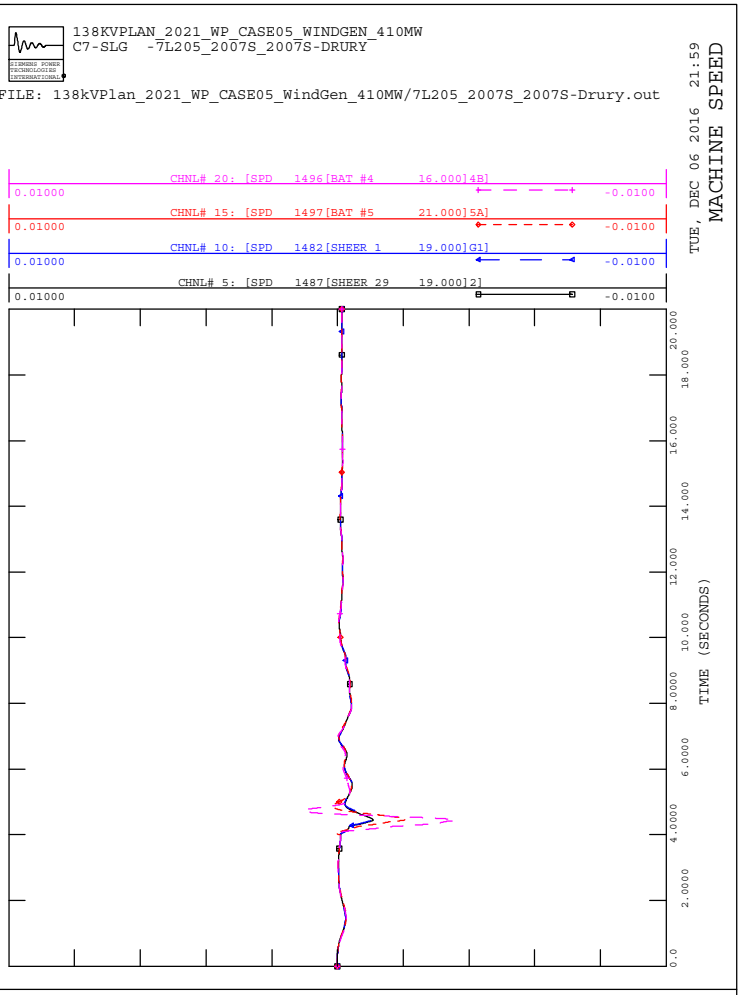
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_2007S_2007S-Drury.out
TUE, DEC 06 2016 21:59
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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4.0000
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12.000
14.000
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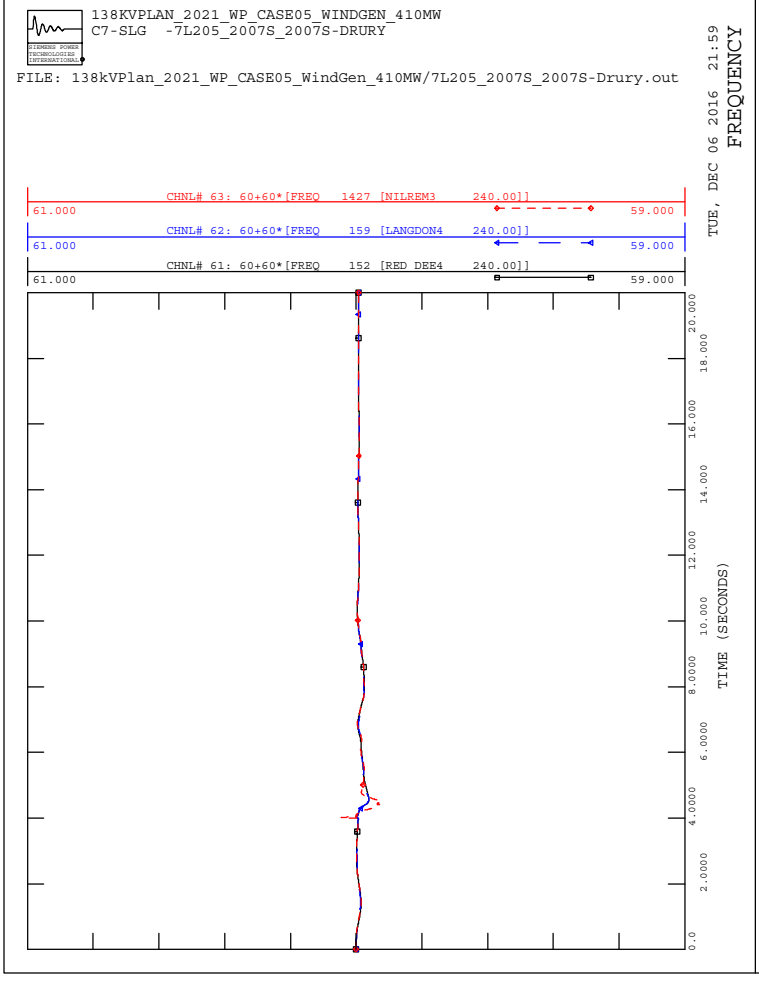
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_2007S_2007S-Drury.out
TUE, DEC 06 2016 21:59
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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8.0000
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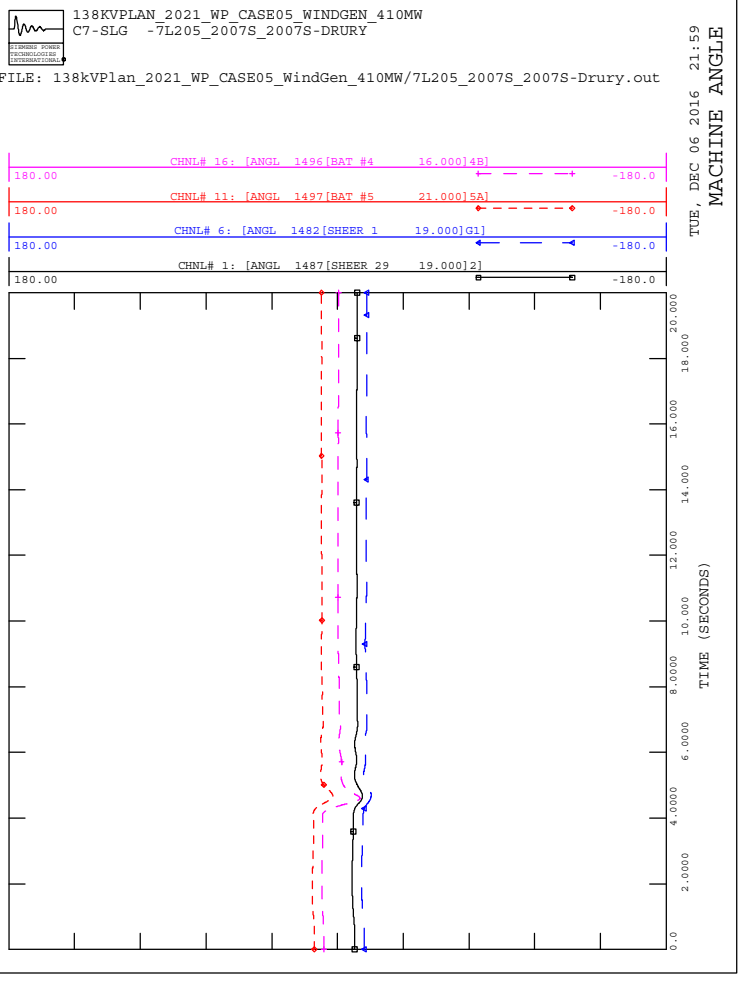
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_2007S_2007S-Drury.out
TUE, DEC 06 2016 21:59
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
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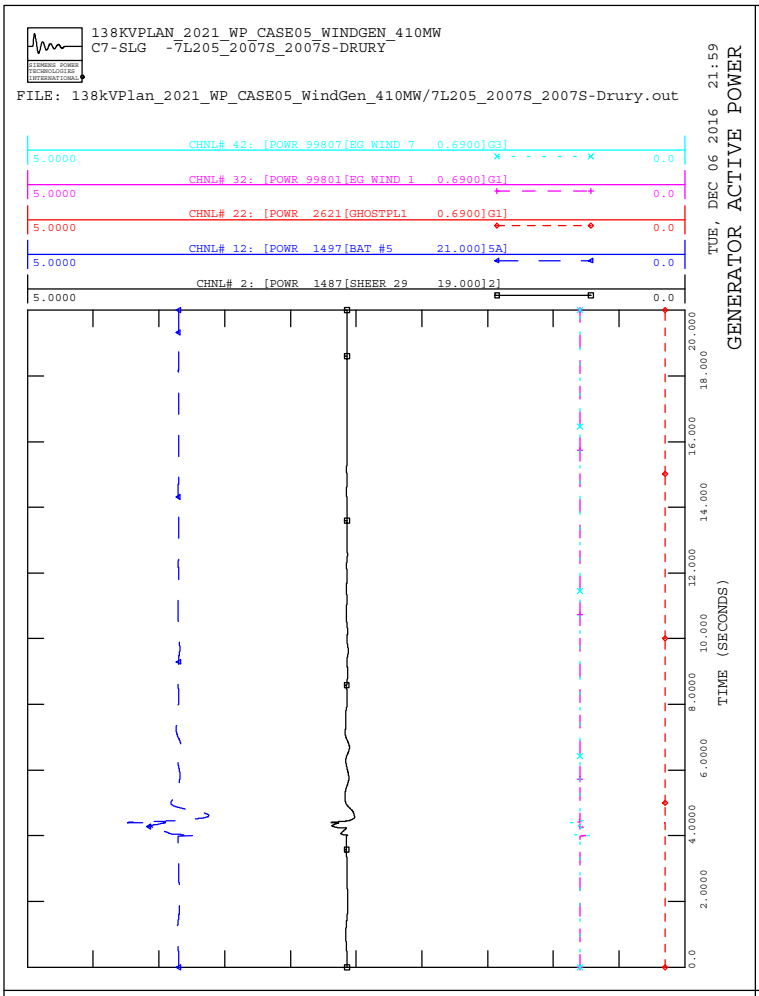
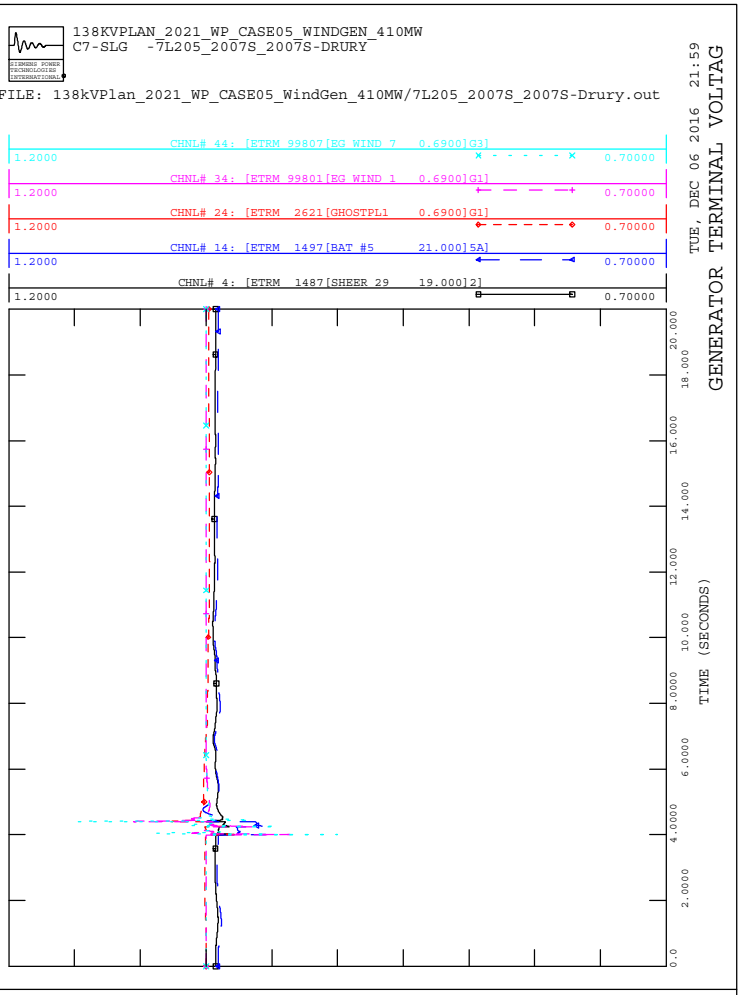
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_2007S_2007S-Drury.out
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_2007S_2007S-Drury.out
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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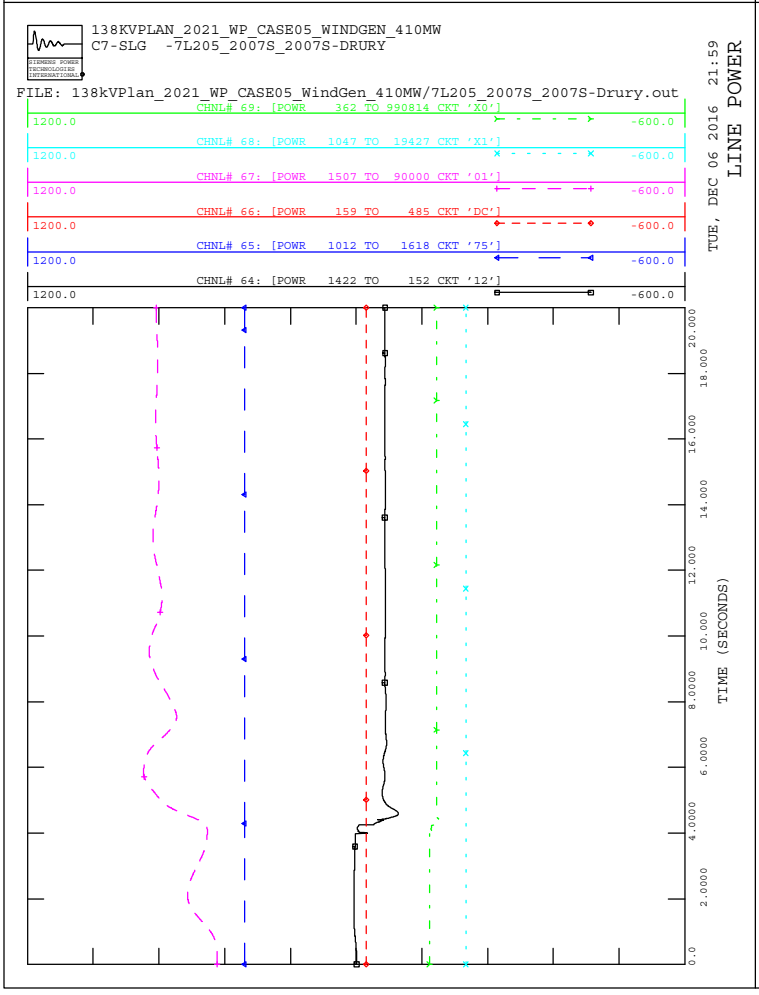
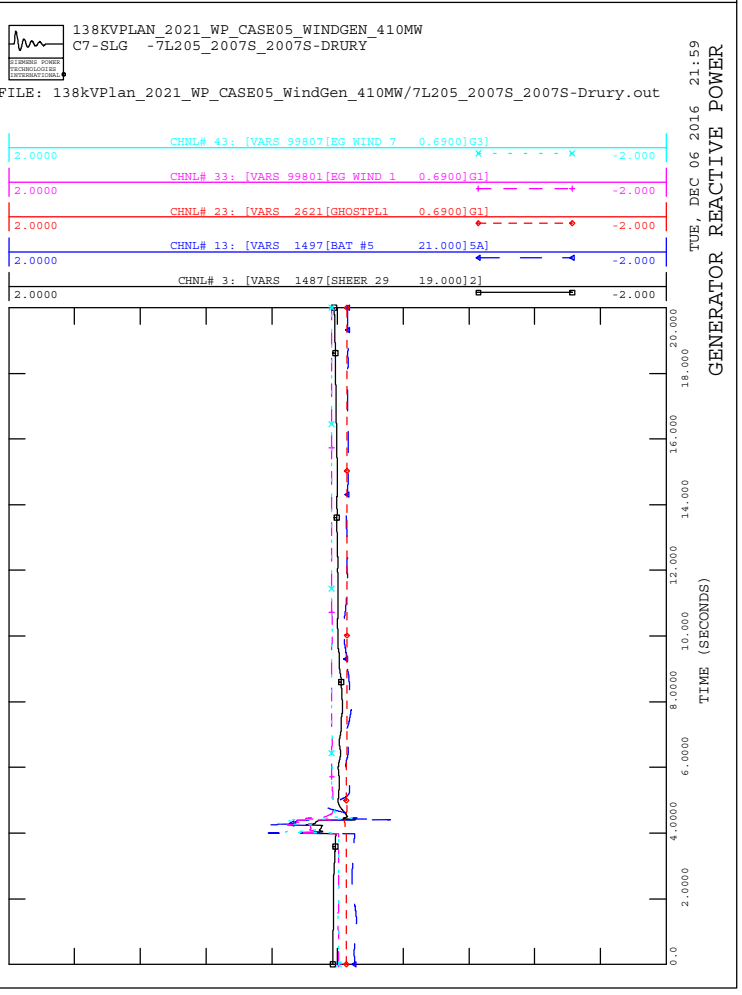
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_2007S_2007S-Drury.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L205_2007S_2007S-Drury.out
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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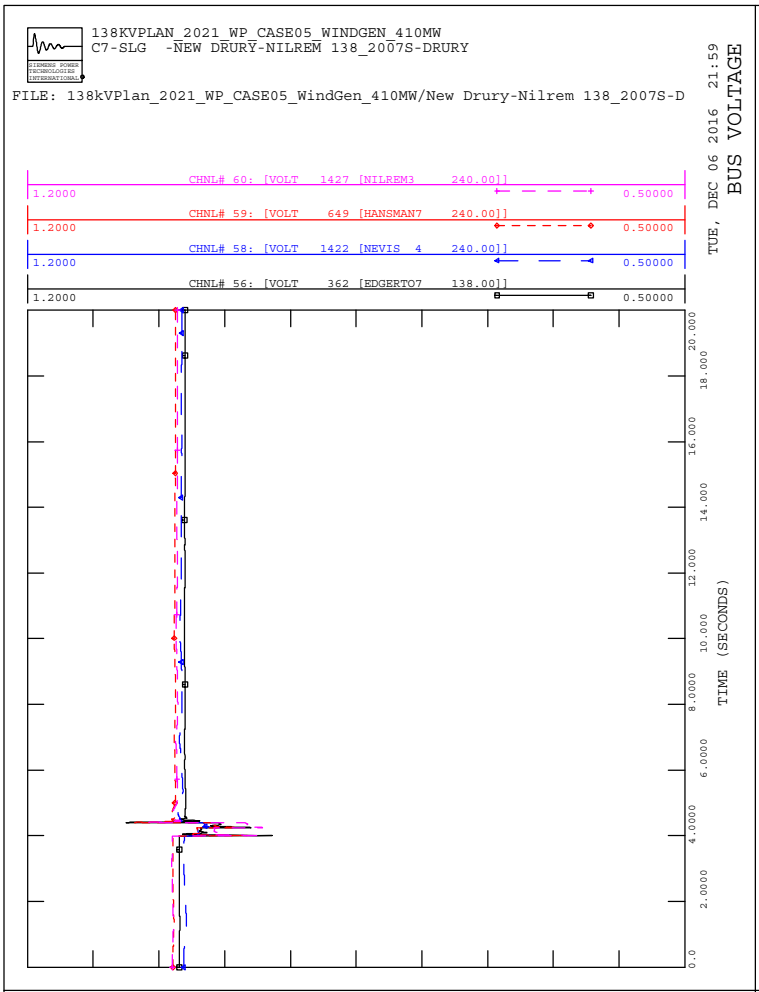
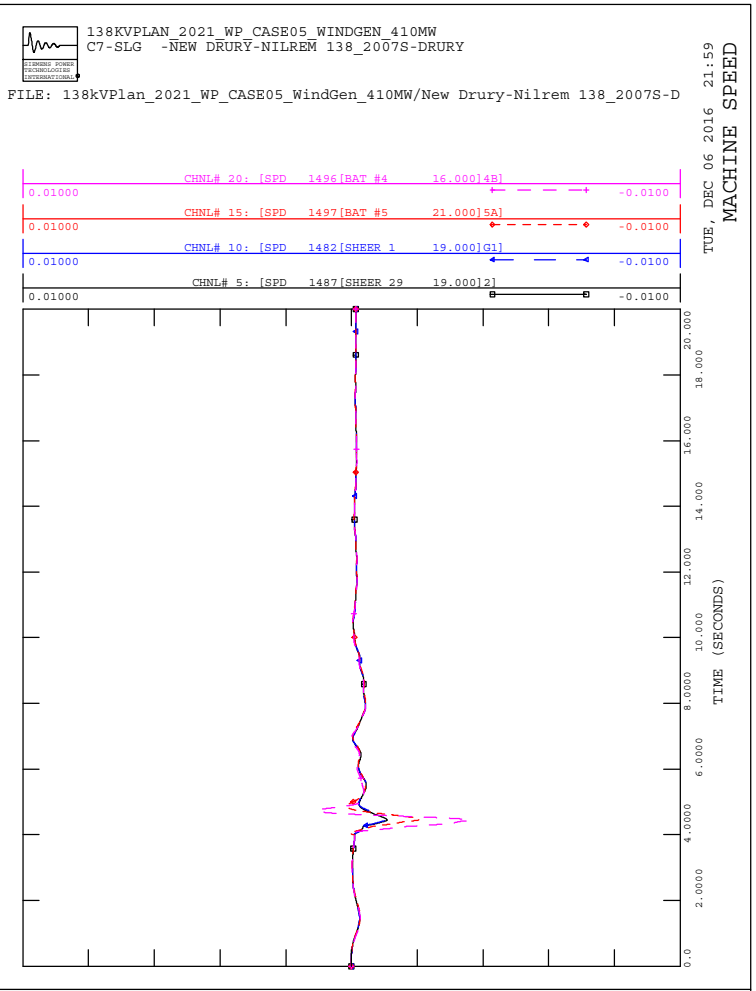
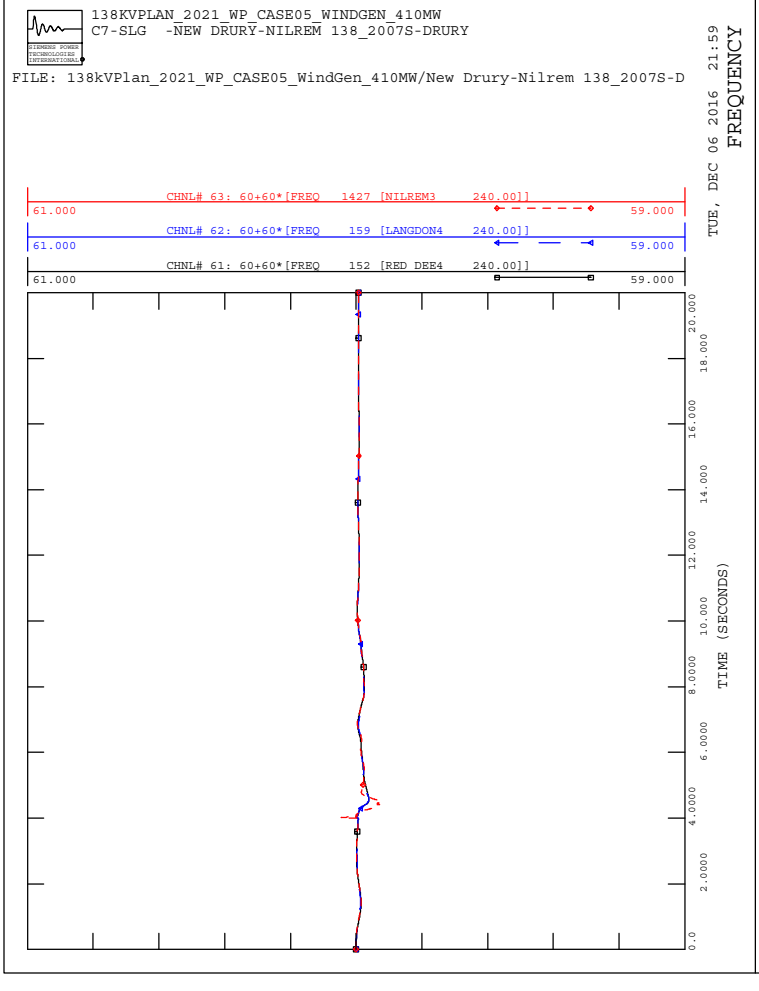
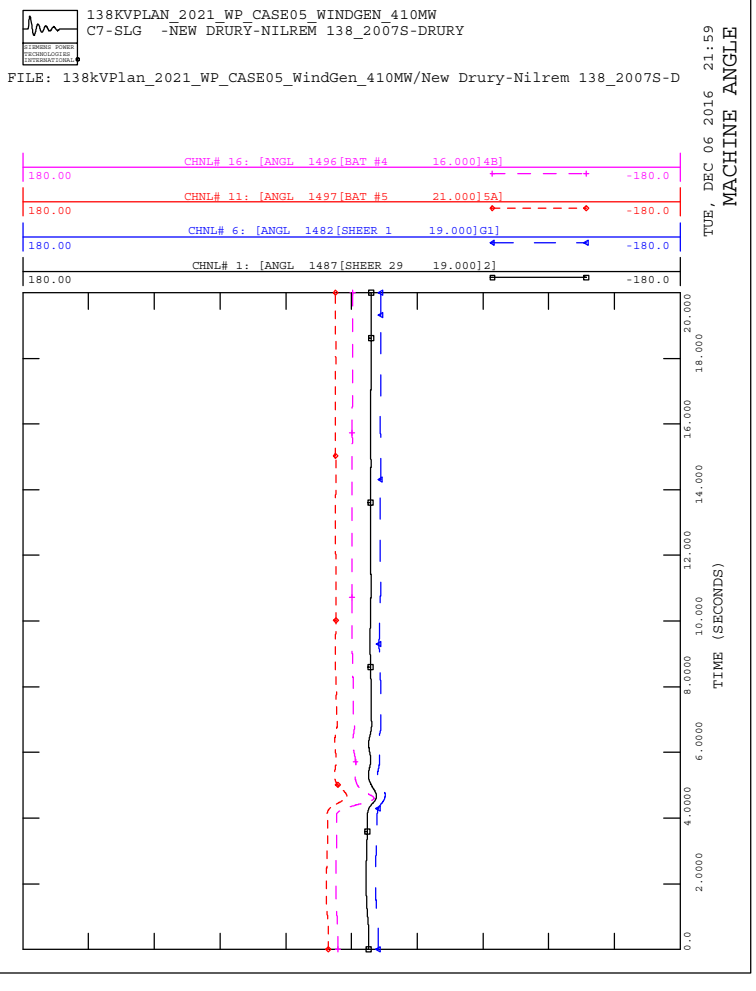
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Drury-Nilrem 138_2007S-D
TUE, DEC 06 2016 21:59
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.50000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

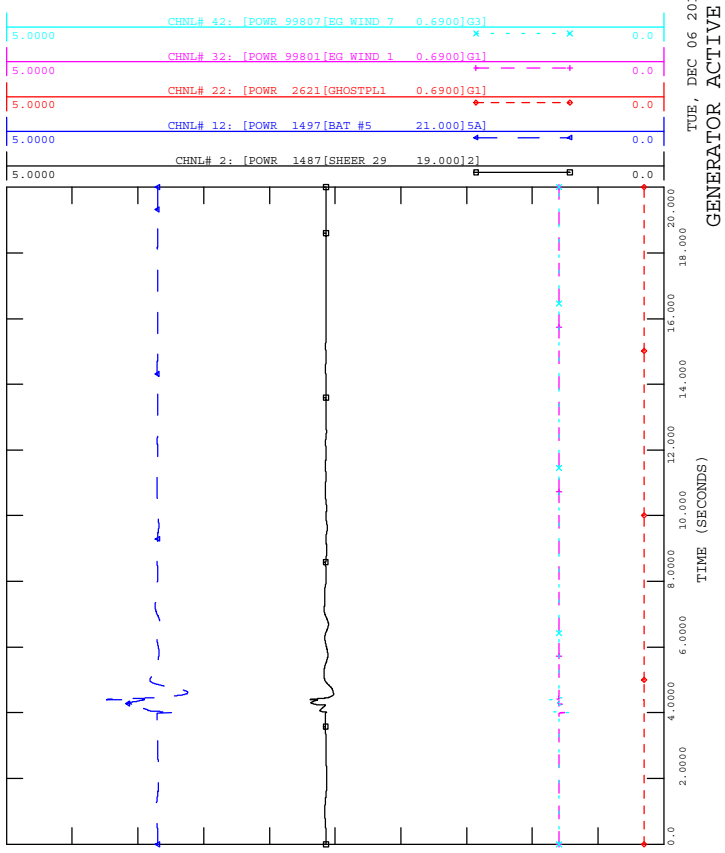

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Drury-Nilrem 138_2007S-D
TUE, DEC 06 2016 21:59
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Drury-Nilrem 138_2007S-D
TUE, DEC 06 2016 21:59
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Drury-Nilrem 138_2007S-D
TUE, DEC 06 2016 21:59
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY

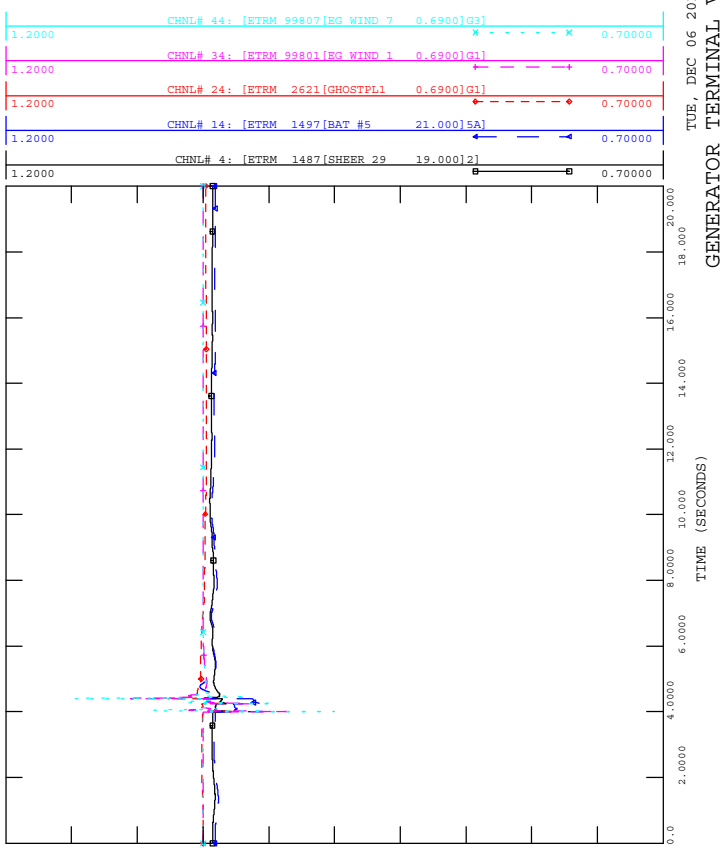
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Drury-Nilrem 138_2007S-D



TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY

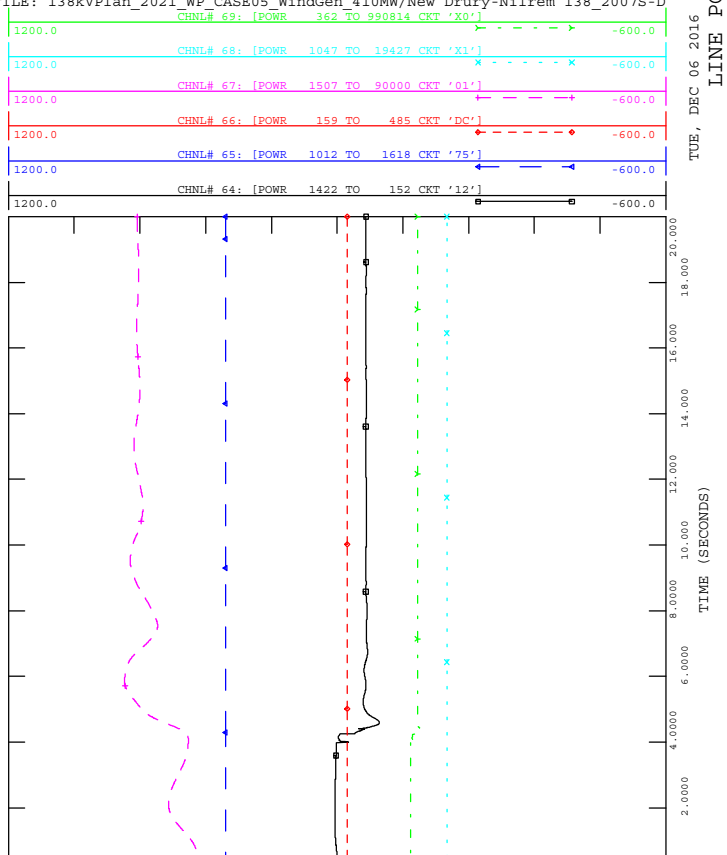
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Drury-Nilrem 138_2007S-D



TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY

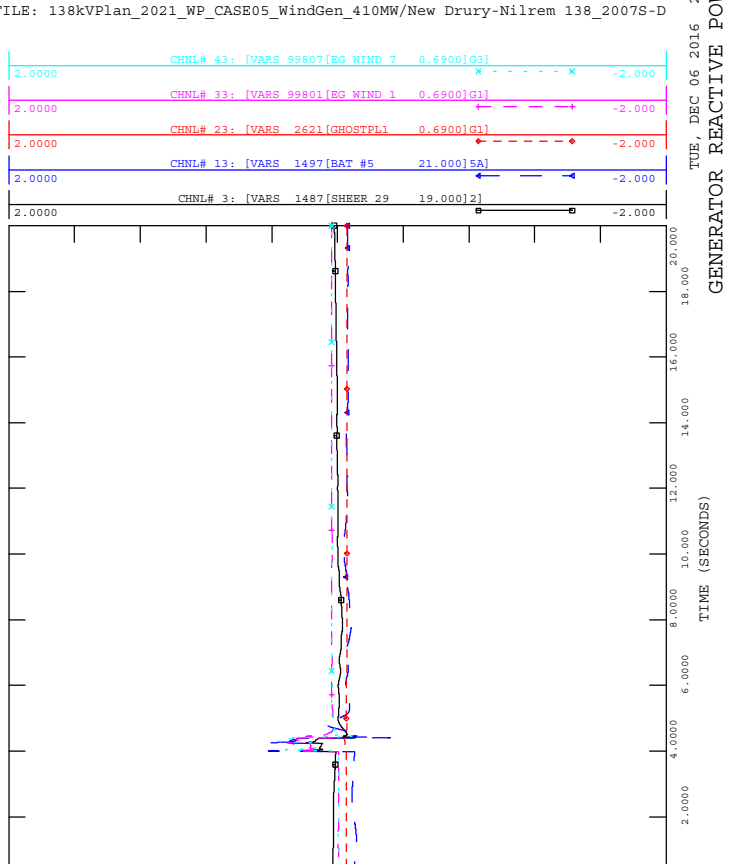
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Drury-Nilrem 138_2007S-D



TUE, DEC 06 2016 21:59
LINE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW DRURY-NILREM 138_2007S-DRURY

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Drury-Nilrem 138_2007S-D



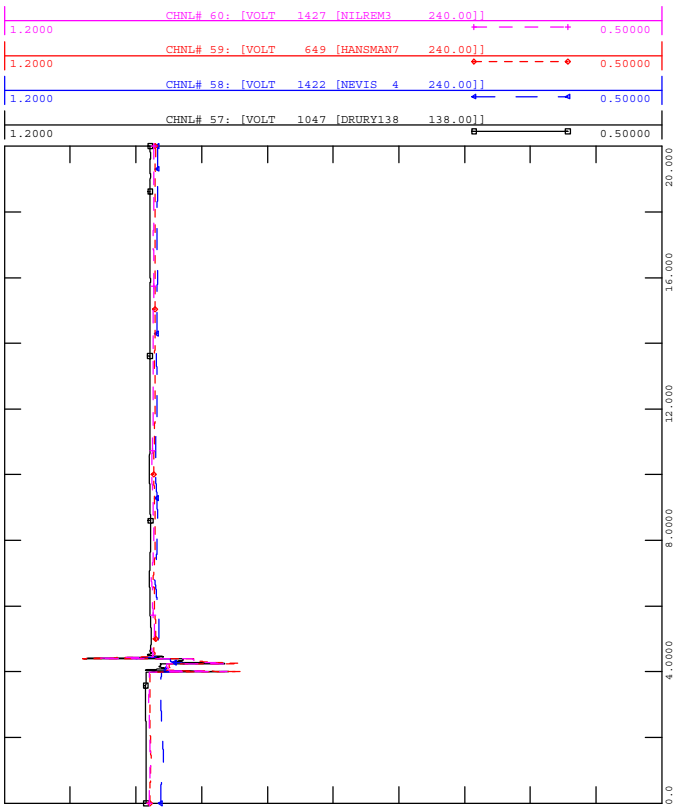
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_S749N_899S-Edgerton.ou

TUE, DEC 06 2016 21:59

BUS VOLTAGE

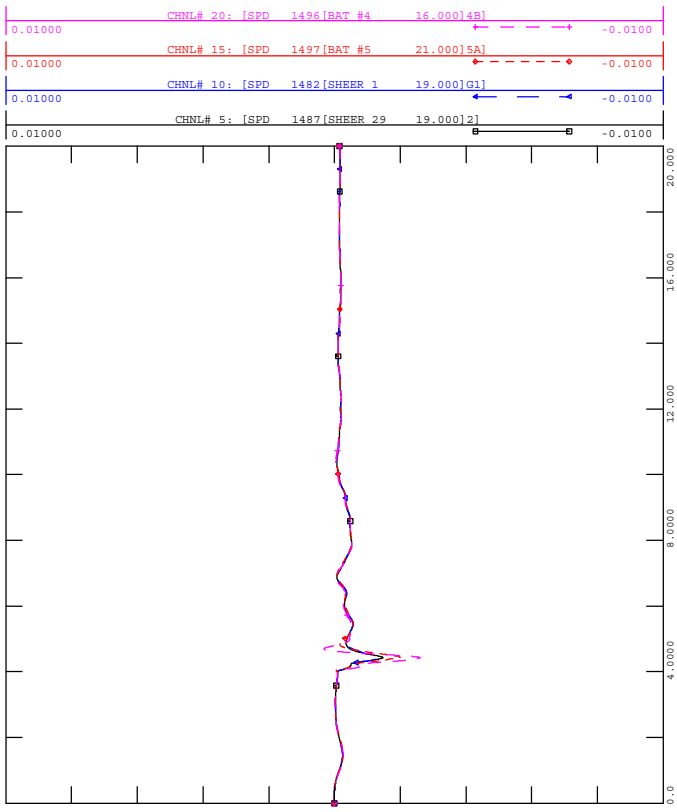


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_S749N_899S-Edgerton.ou

TUE, DEC 06 2016 21:59

MACHINE SPEED

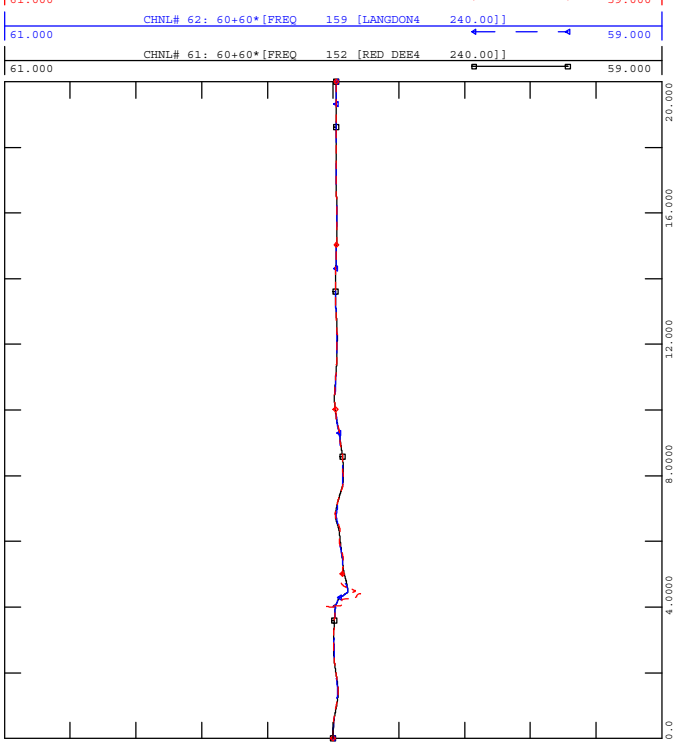


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_S749N_899S-Edgerton.ou

TUE, DEC 06 2016 21:59

FREQUENCY

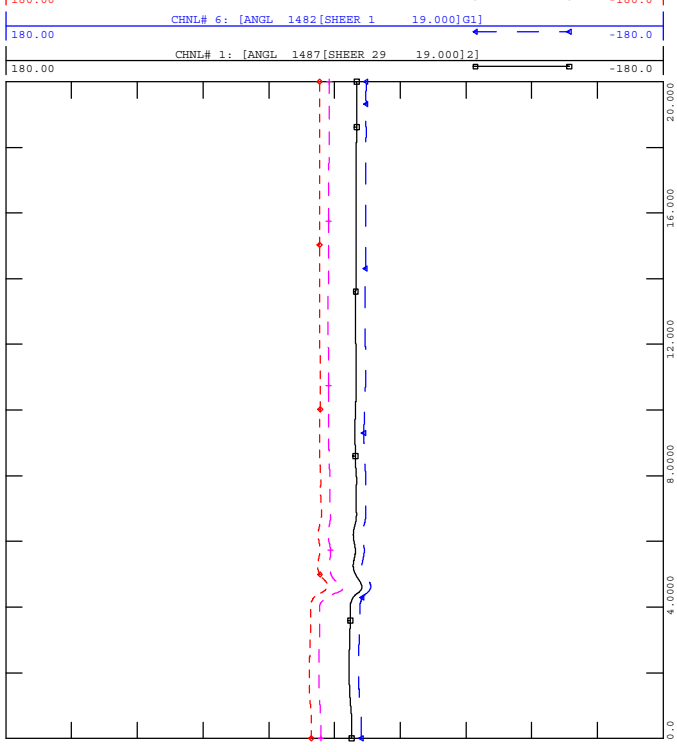


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_S749N_899S-Edgerton.ou

TUE, DEC 06 2016 21:59

MACHINE ANGLE

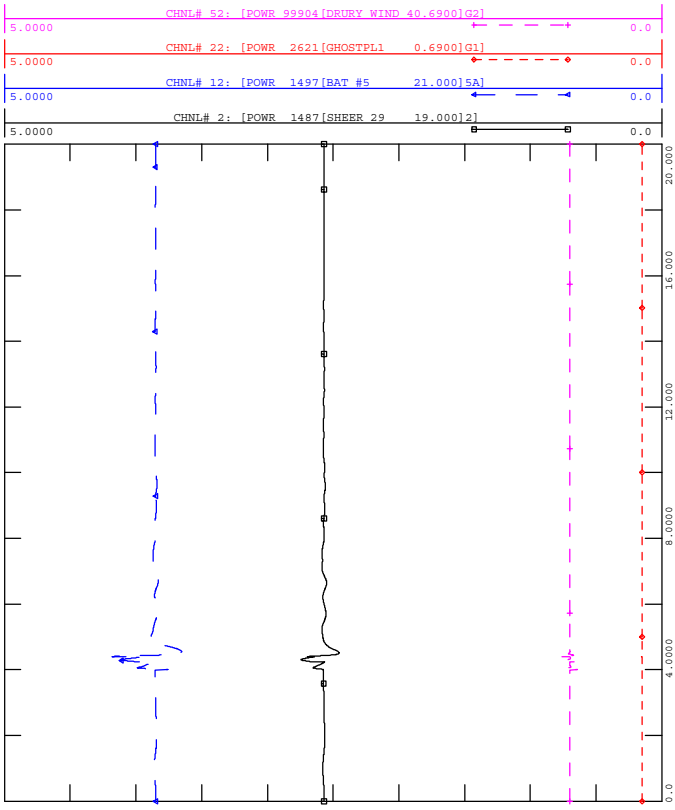


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_S749N_899S-Edgerton.ou

TUE, DEC 06 2016 21:59

GENERATOR ACTIVE POWER

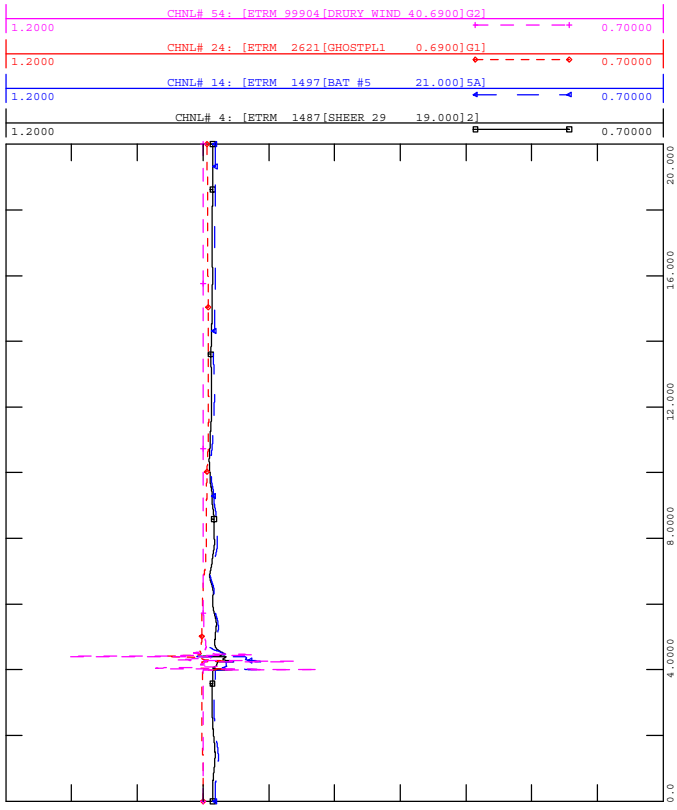


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_S749N_899S-Edgerton.ou

TUE, DEC 06 2016 21:59

GENERATOR TERMINAL VOLTAG

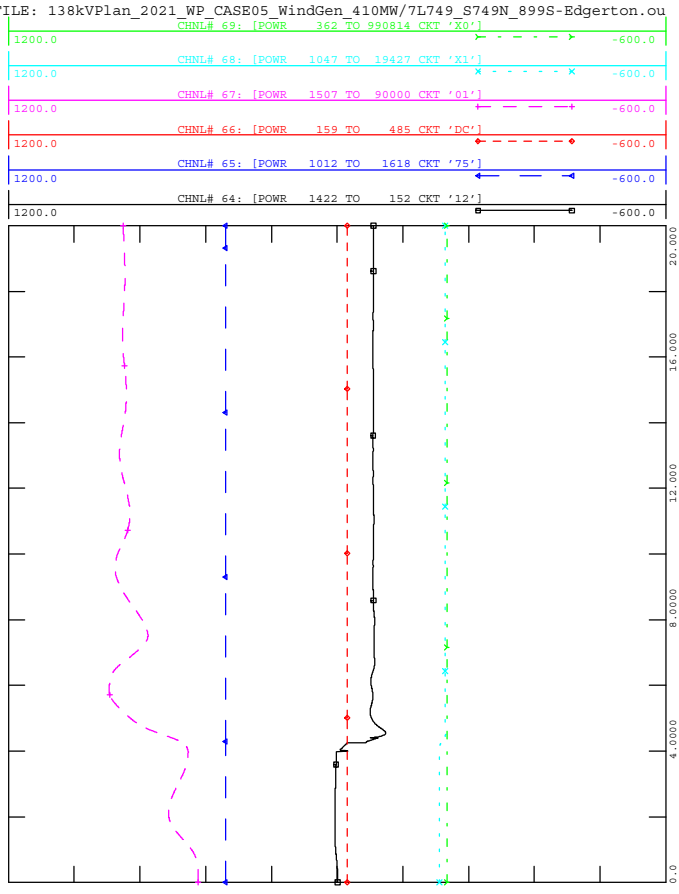


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_S749N_899S-Edgerton.ou

TUE, DEC 06 2016 21:59

LINE POWER

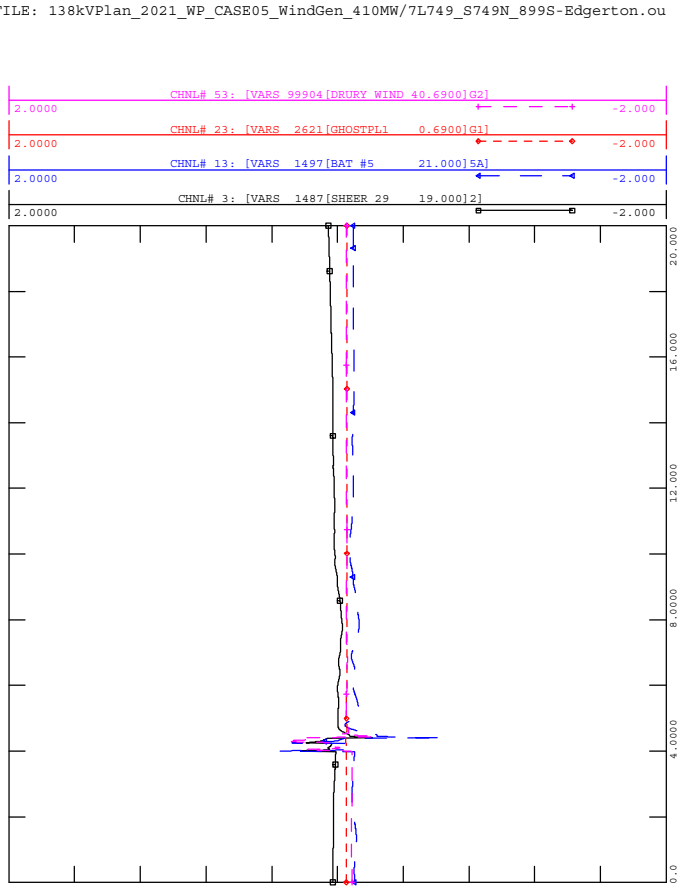


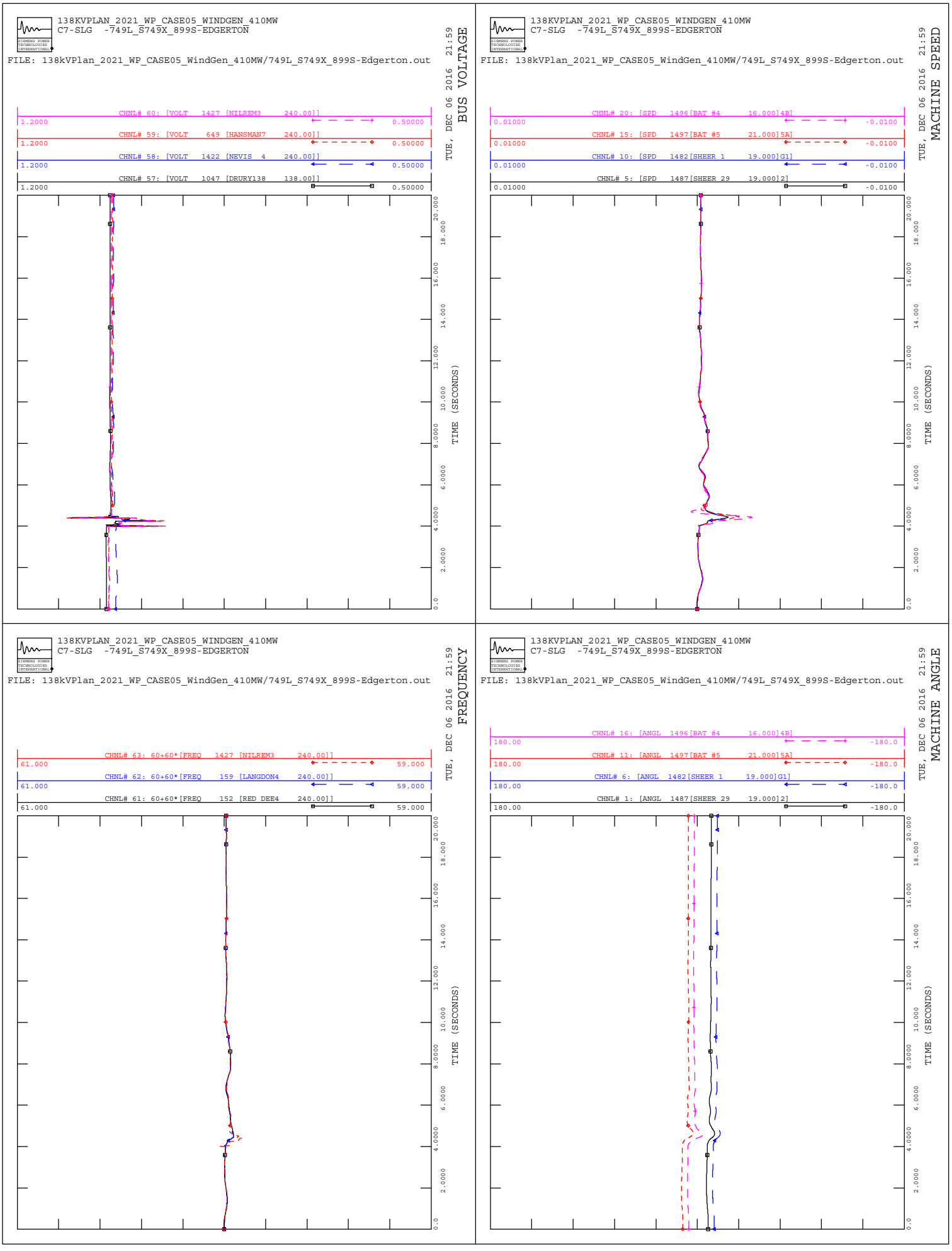
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/7L749_S749N_899S-Edgerton.ou

TUE, DEC 06 2016 21:59

GENERATOR REACTIVE POWER



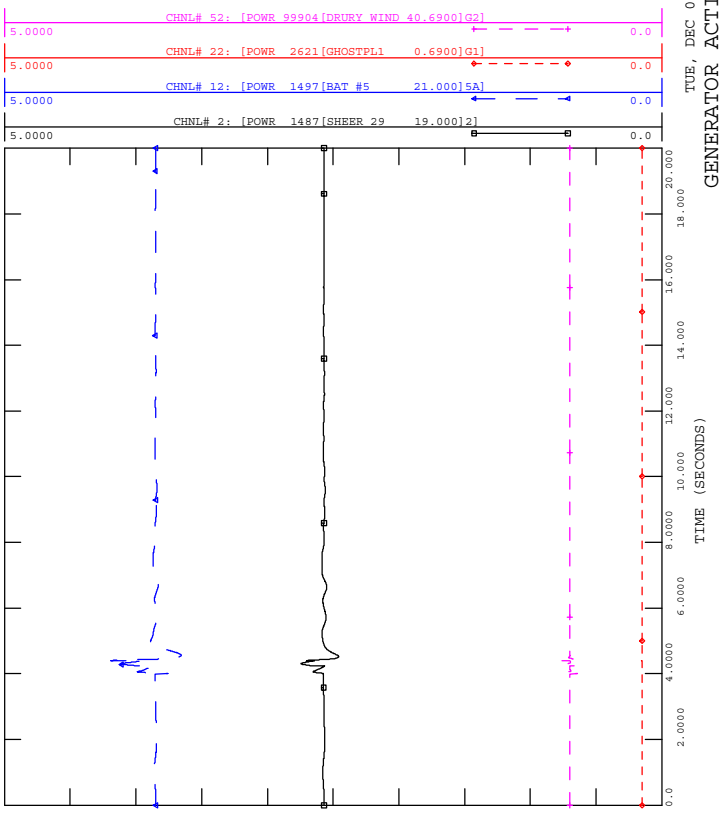

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_S749X_899S-Edgerton.out
TUE, DEC 06 2016 21:59
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
1.2000
0.50000
TIME (SECONDS)
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_S749X_899S-Edgerton.out

TUE, DEC 06 2016 21:59

GENERATOR ACTIVE POWER

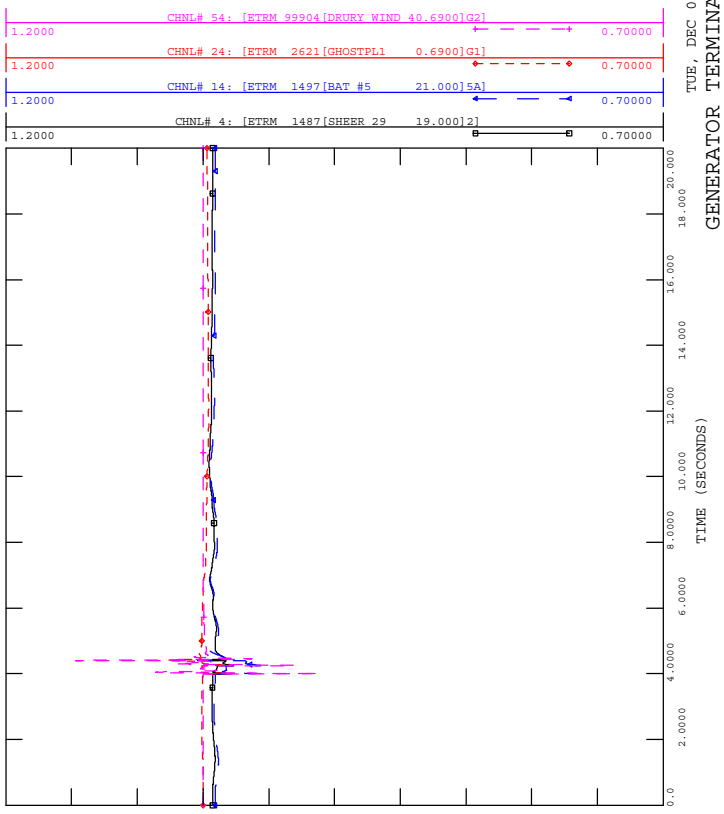


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_S749X_899S-Edgerton.out

TUE, DEC 06 2016 21:59

GENERATOR TERMINAL VOLTAG

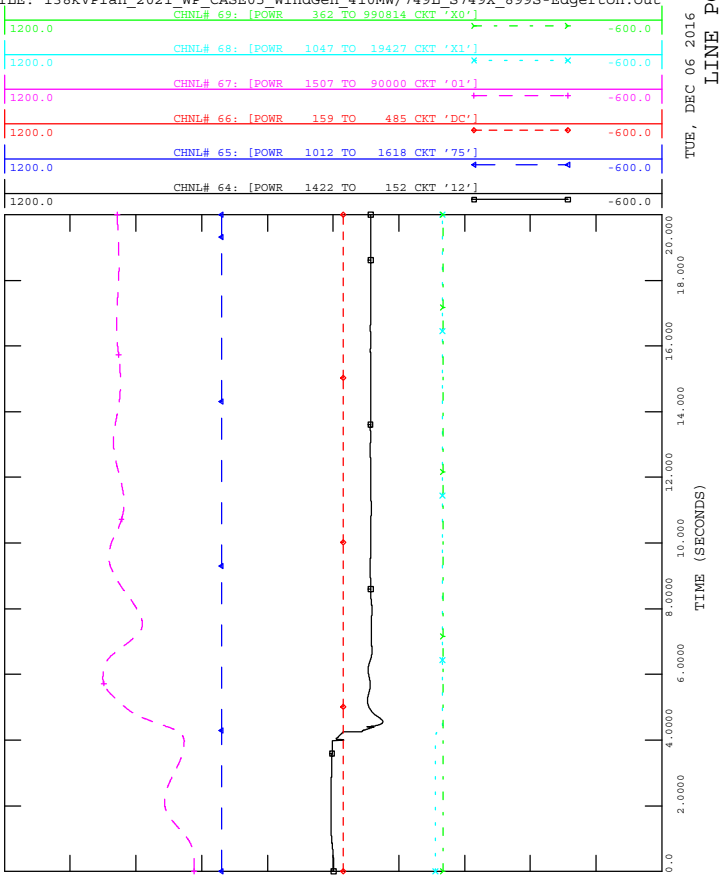


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_S749X_899S-Edgerton.out

TUE, DEC 06 2016 21:59

LINE POWER

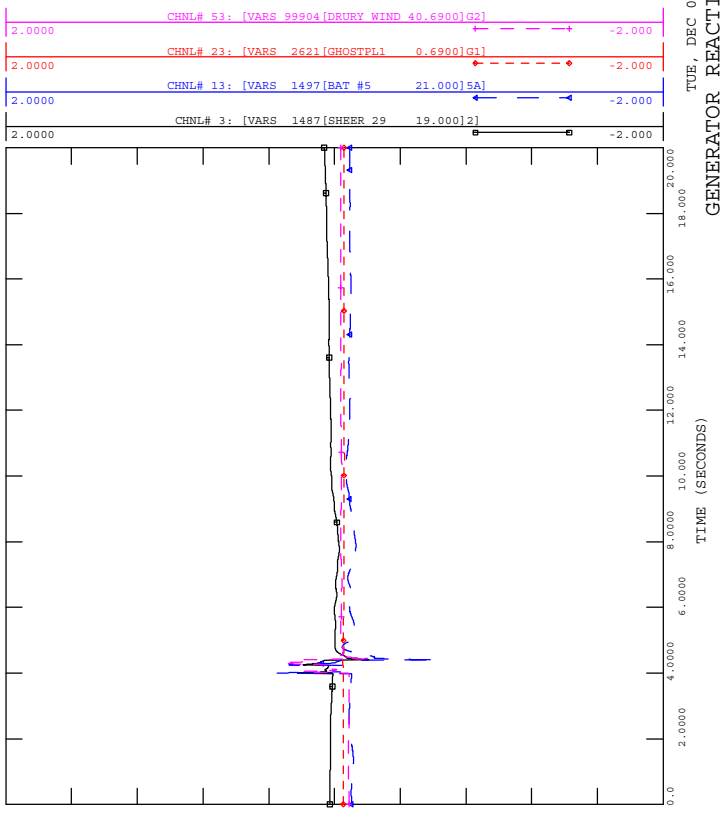


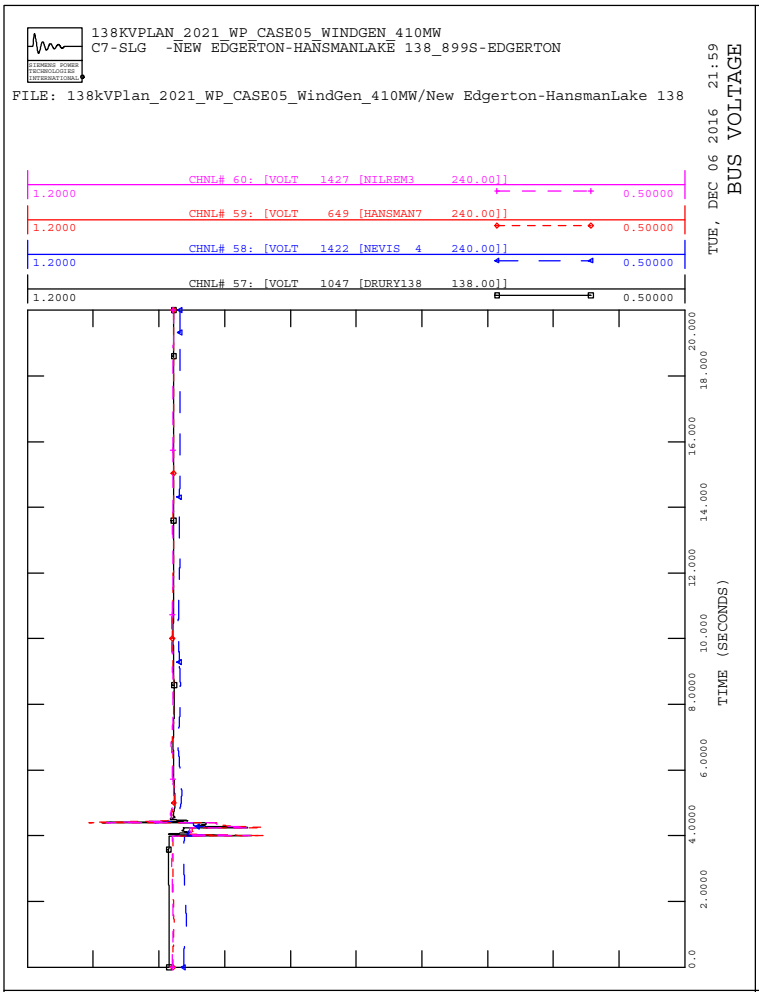
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -749L_S749X_899S-EDGERTON

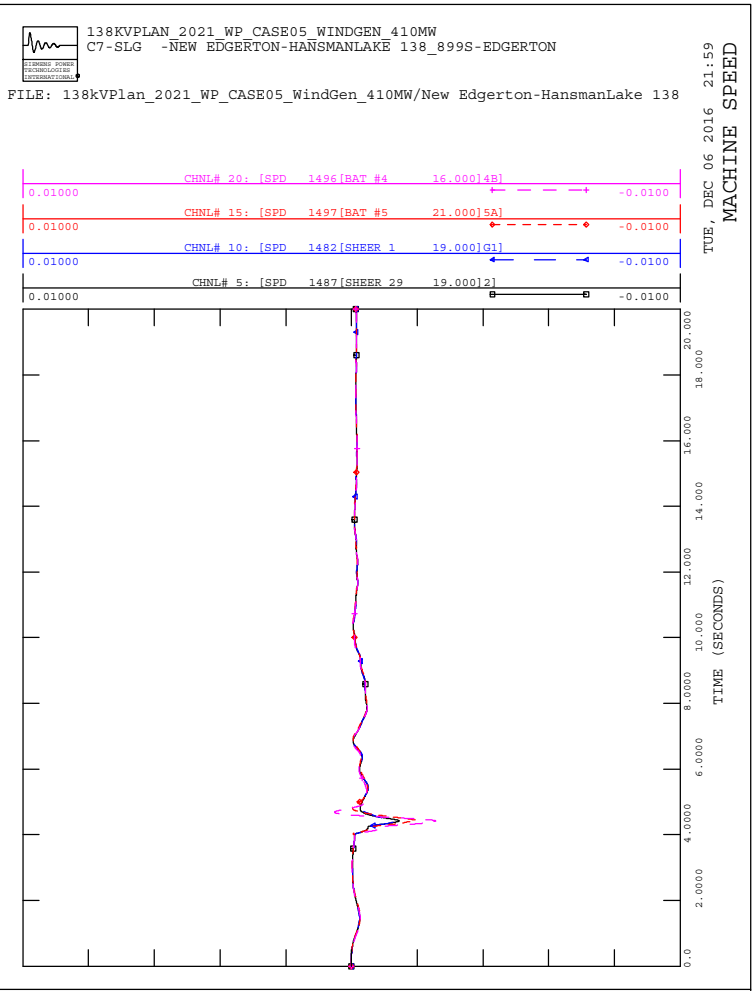
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/749L_S749X_899S-Edgerton.out

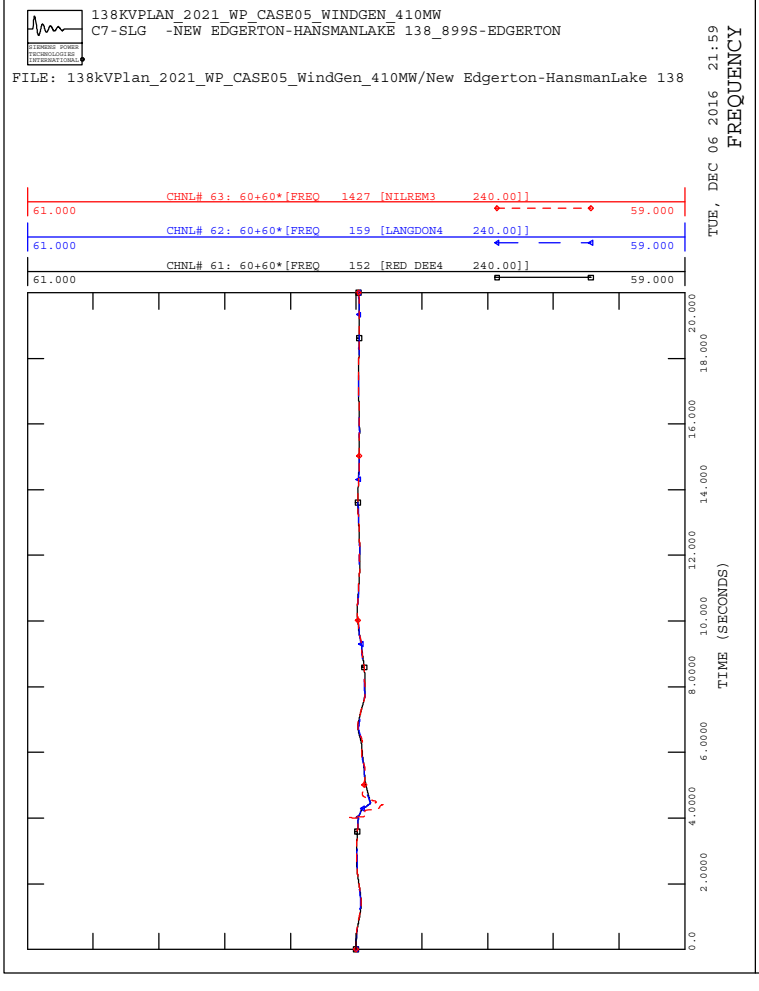
TUE, DEC 06 2016 21:59

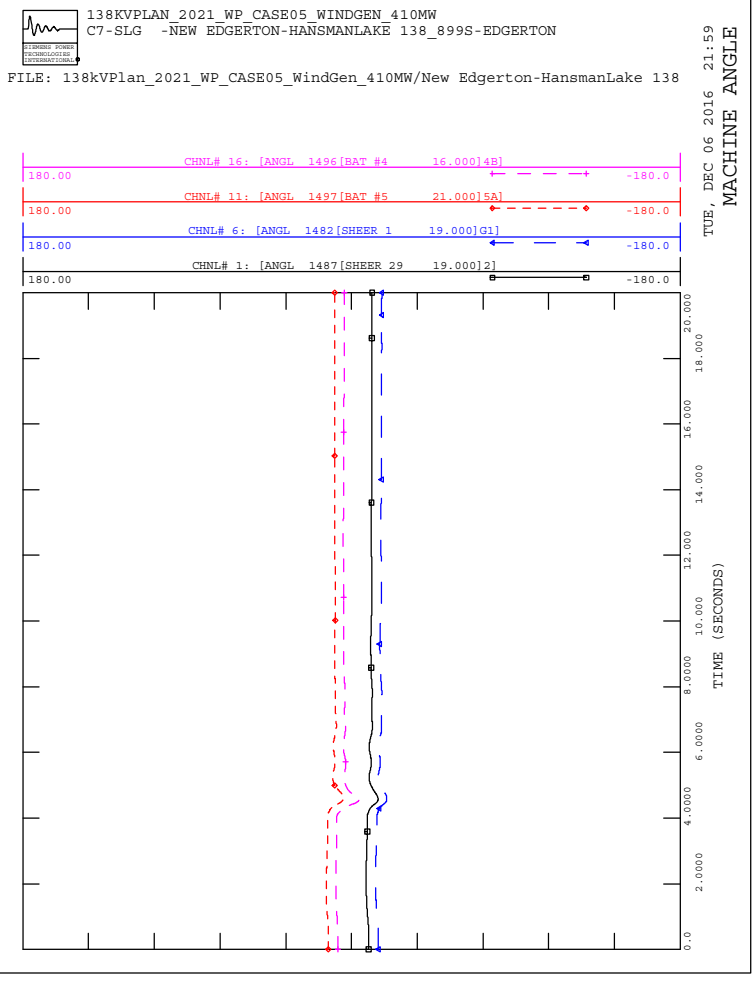
GENERATOR REACTIVE POWER

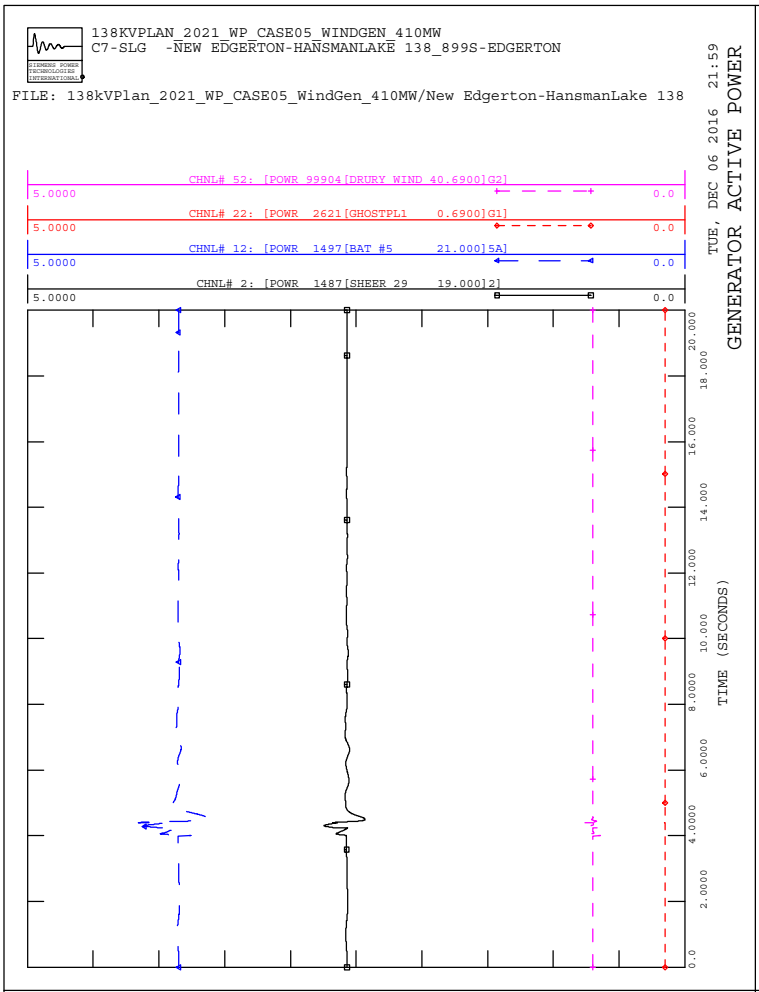


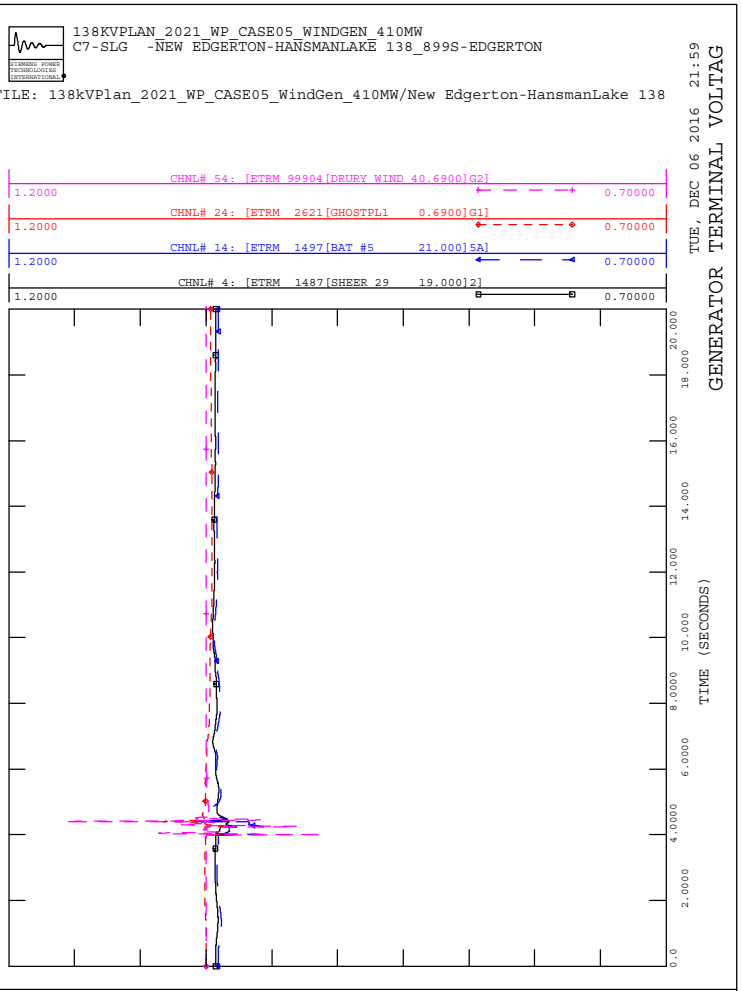

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Edgerton-HansmanLake 138
TUE, DEC 06 2016 21:59
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
1.2000
0.50000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Edgerton-HansmanLake 138
TUE, DEC 06 2016 21:59
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Edgerton-HansmanLake 138
TUE, DEC 06 2016 21:59
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Edgerton-HansmanLake 138
TUE, DEC 06 2016 21:59
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Edgerton-HansmanLake 138
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Edgerton-HansmanLake 138
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
6.0000
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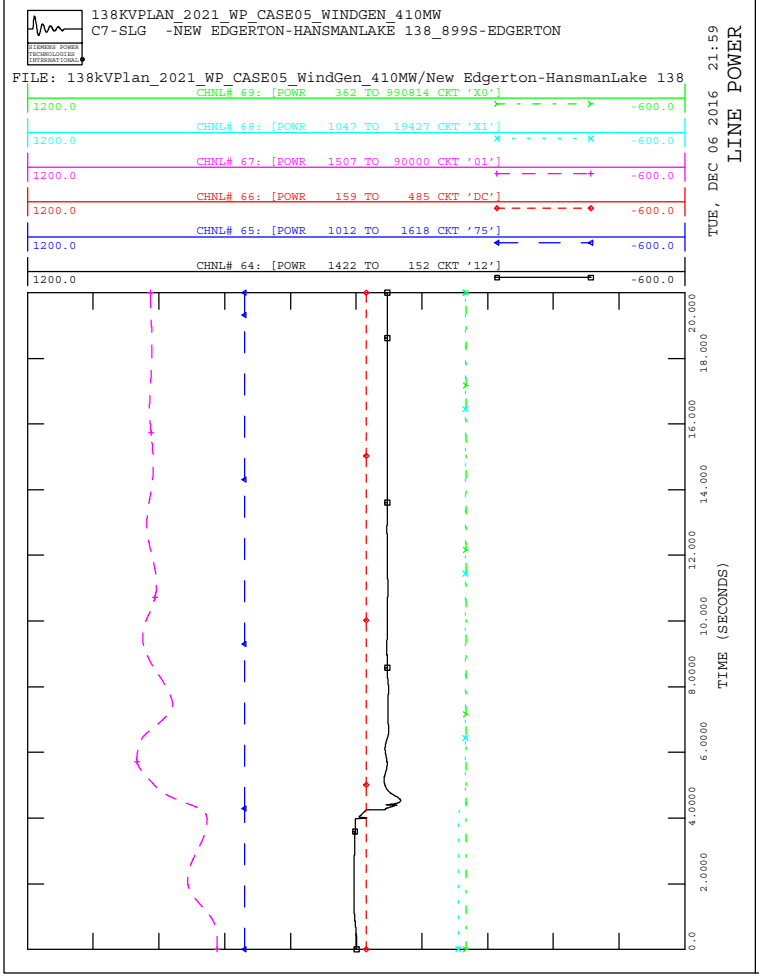
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Edgerton-HansmanLake 138
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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4.0000
6.0000
8.0000
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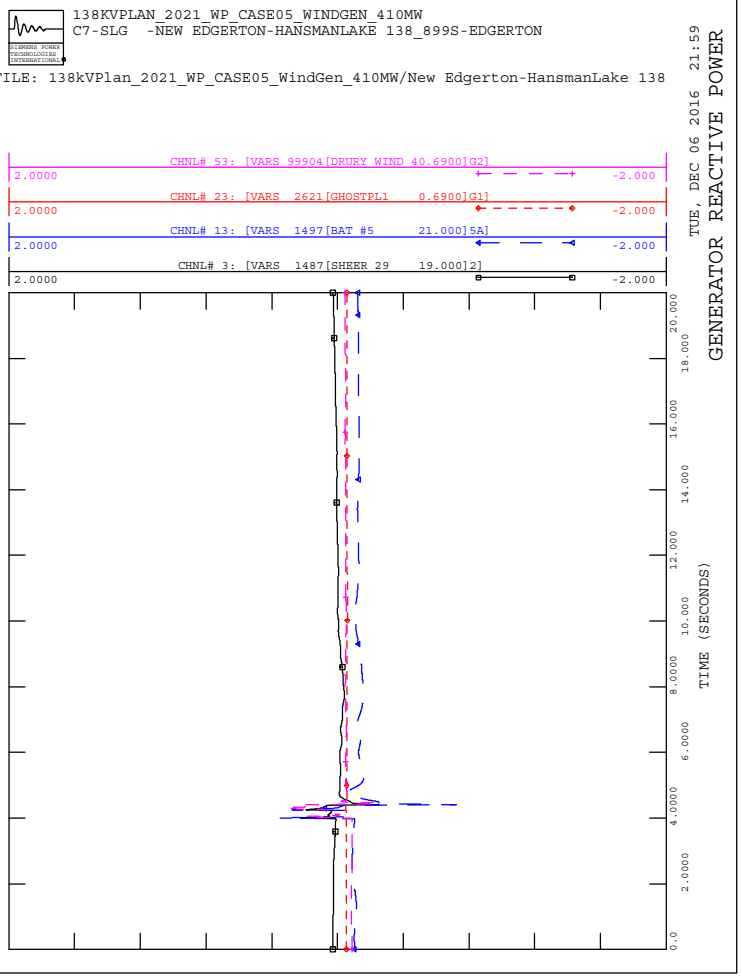
14.000
16.000
18.000
20.000

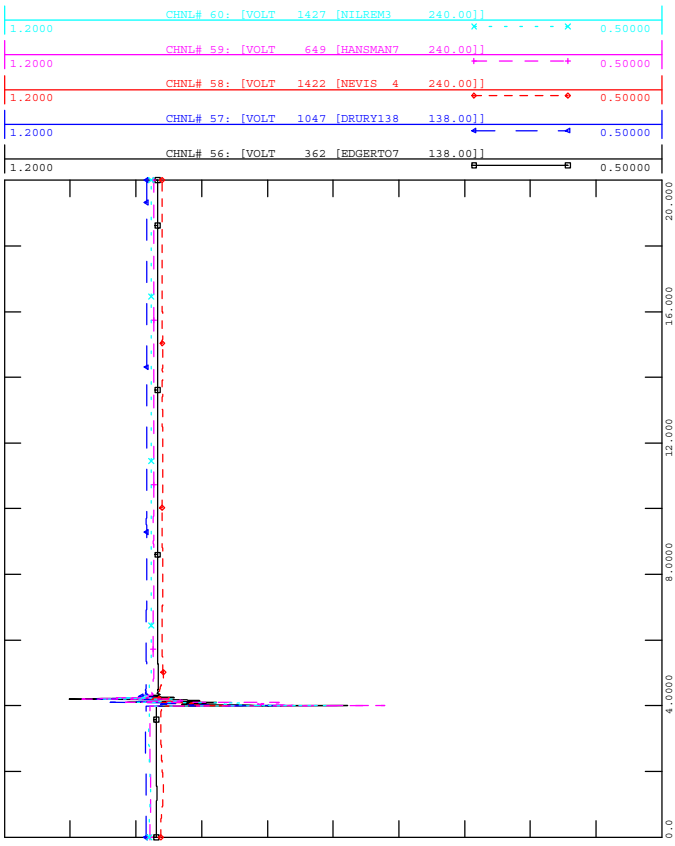

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 138_899S-EDGERTON
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/New Edgerton-HansmanLake 138
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L966_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

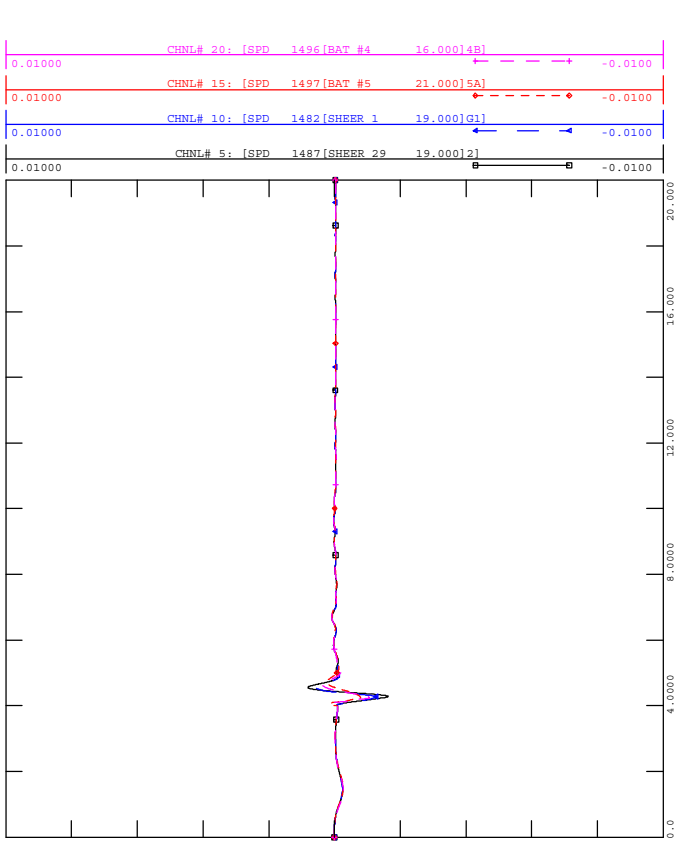


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L966_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:59

MACHINE SPEED

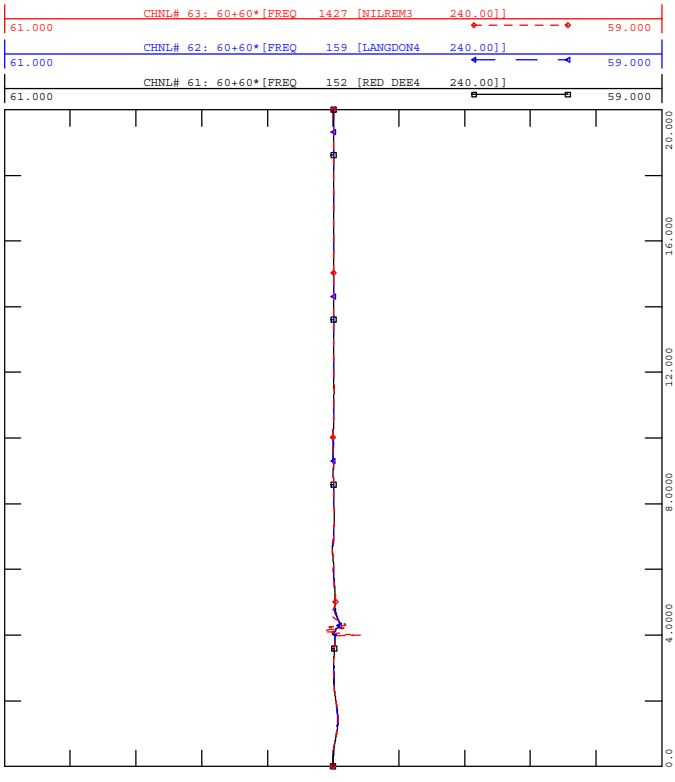


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L966_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:59

FREQUENCY

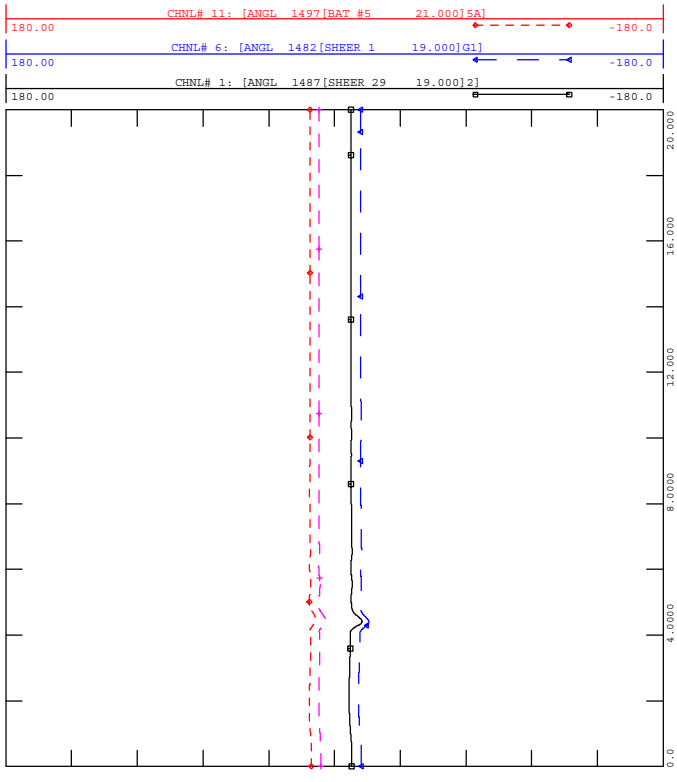


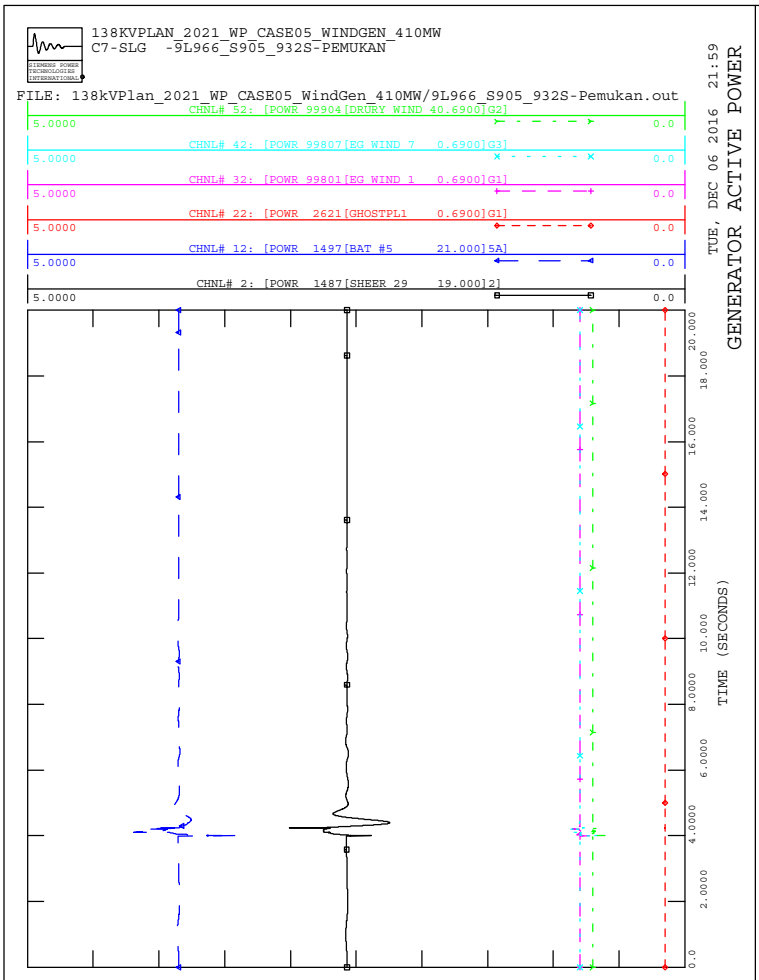
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L966_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:59

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L966_S905_932S-Pemukan.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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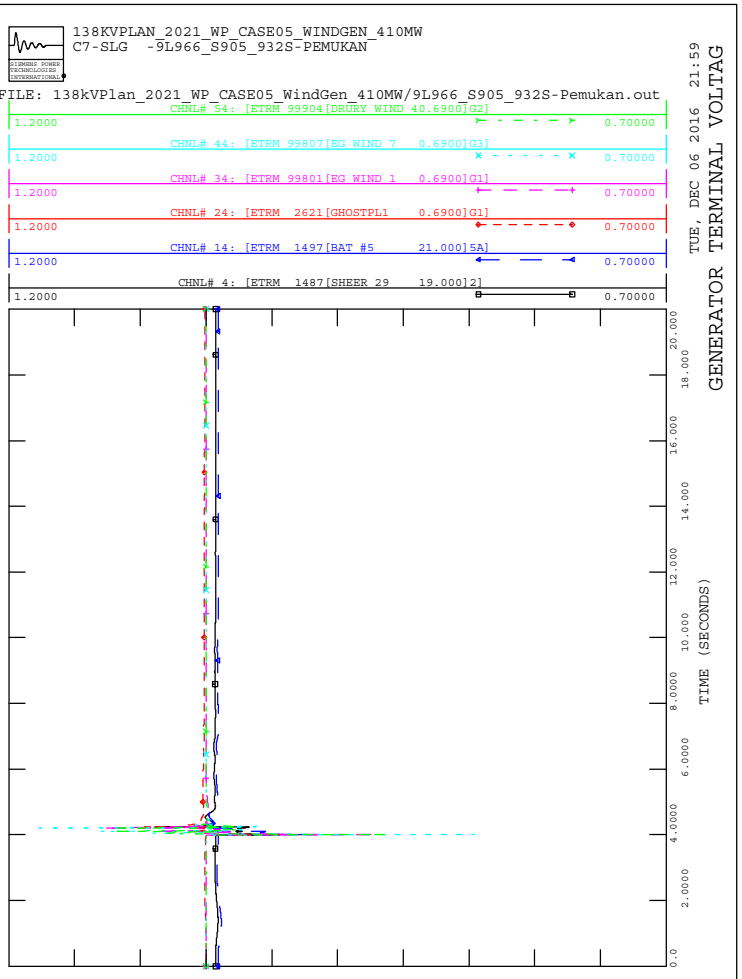
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L966_S905_932S-Pemukan.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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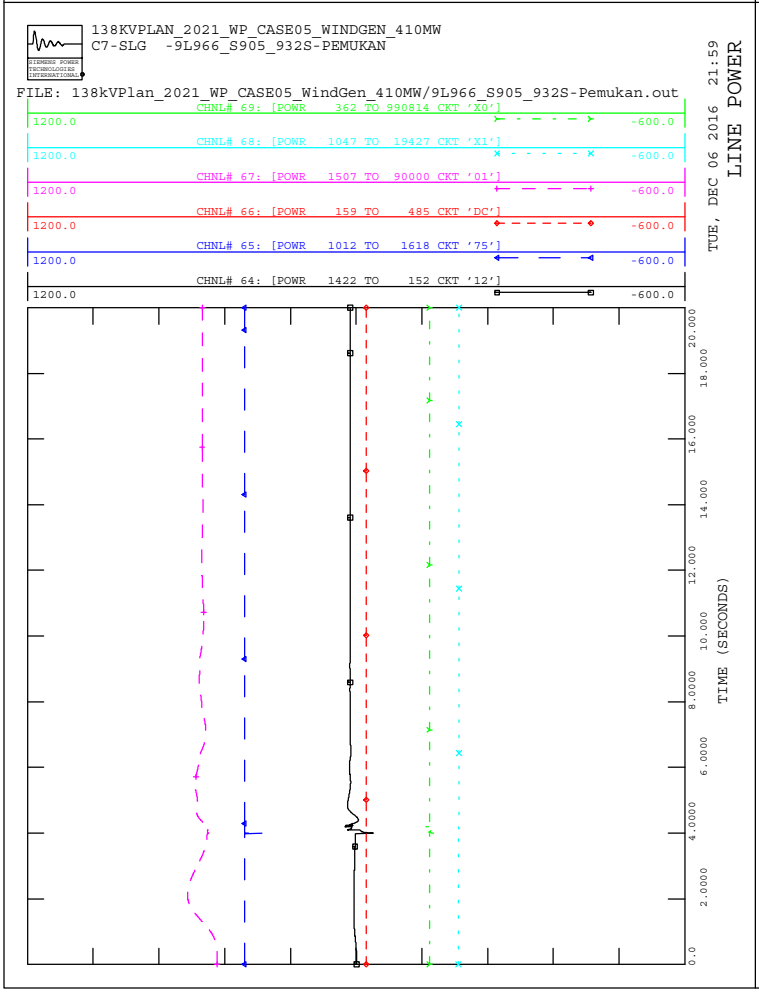
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L966_S905_932S-Pemukan.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
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8.0000
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12.000
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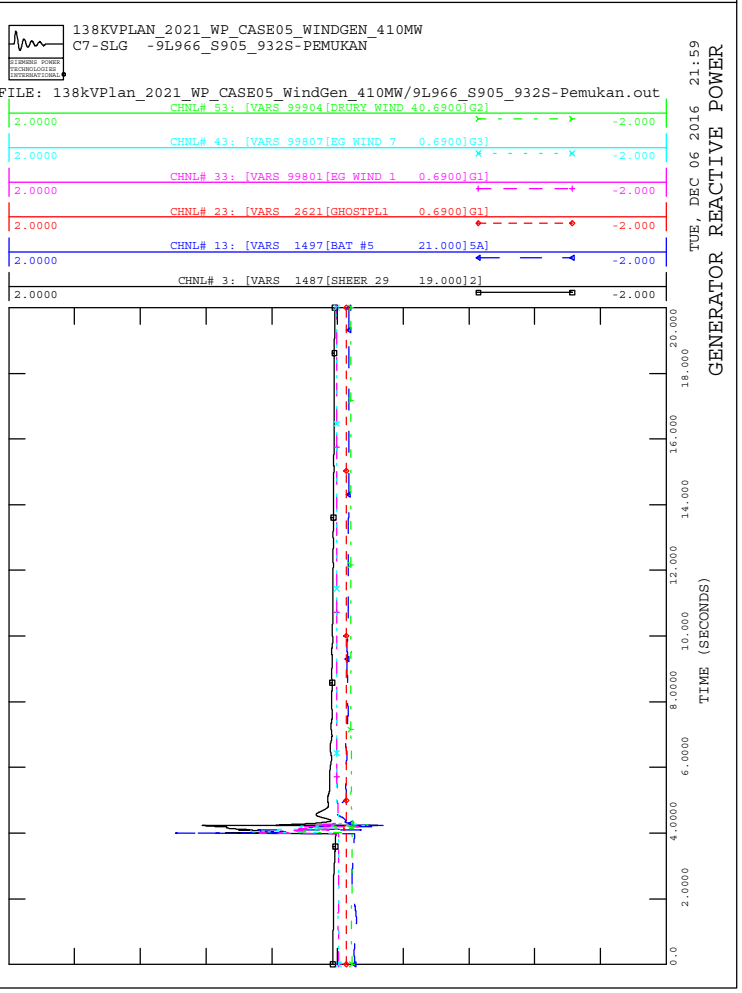
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L966_S905_932S-Pemukan.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
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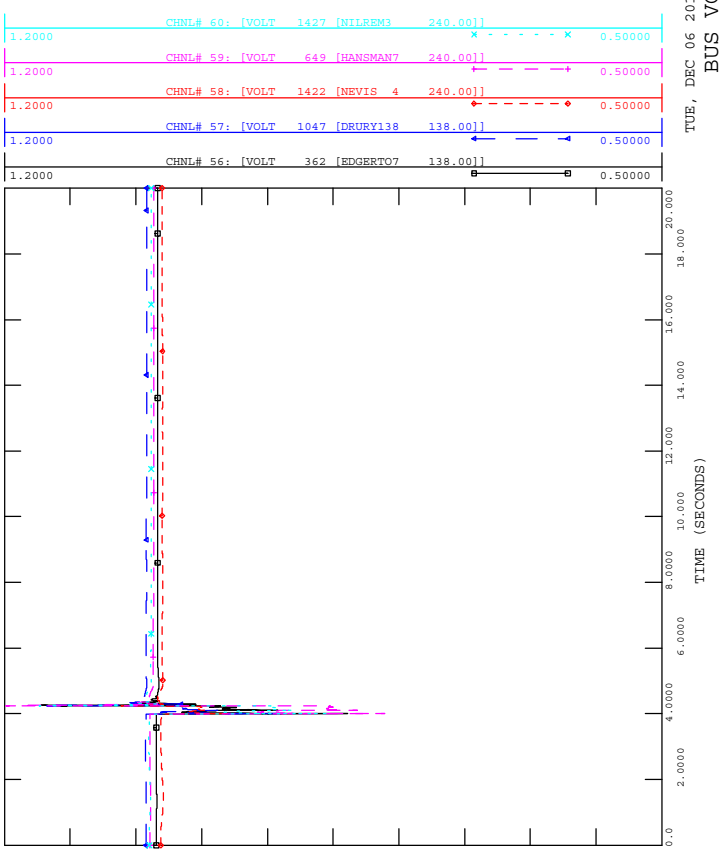
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

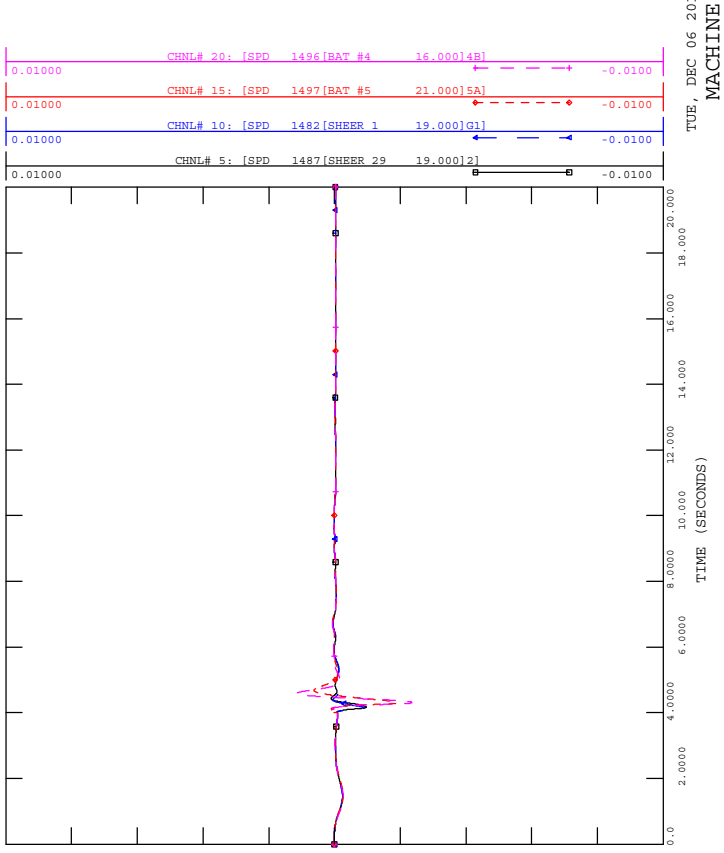


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:59

MACHINE SPEED

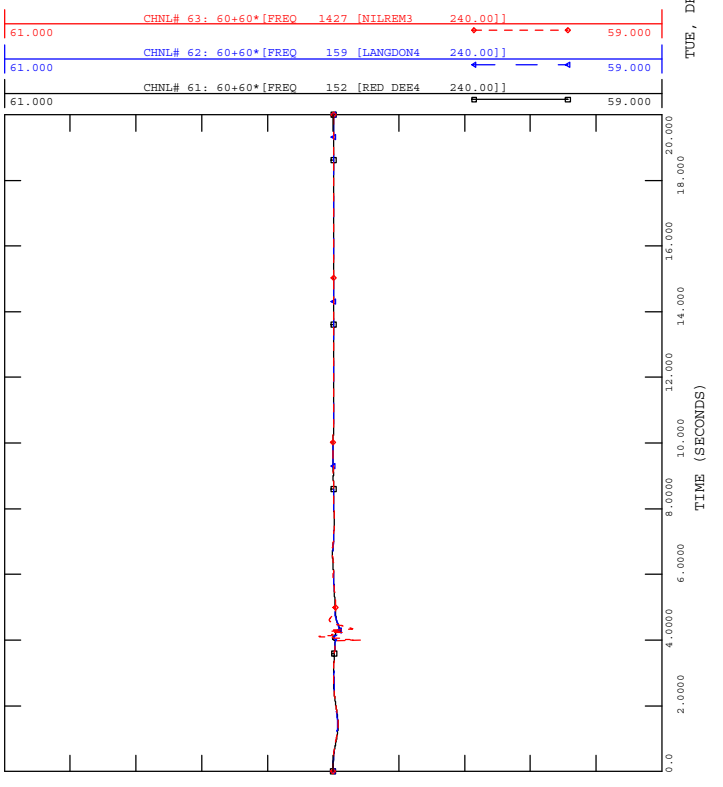


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:59

FREQUENCY

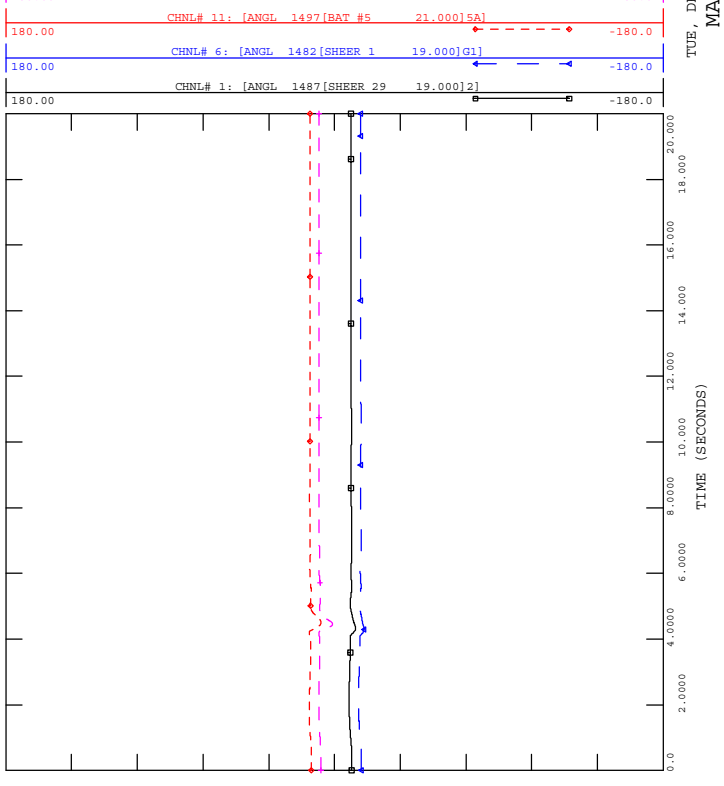


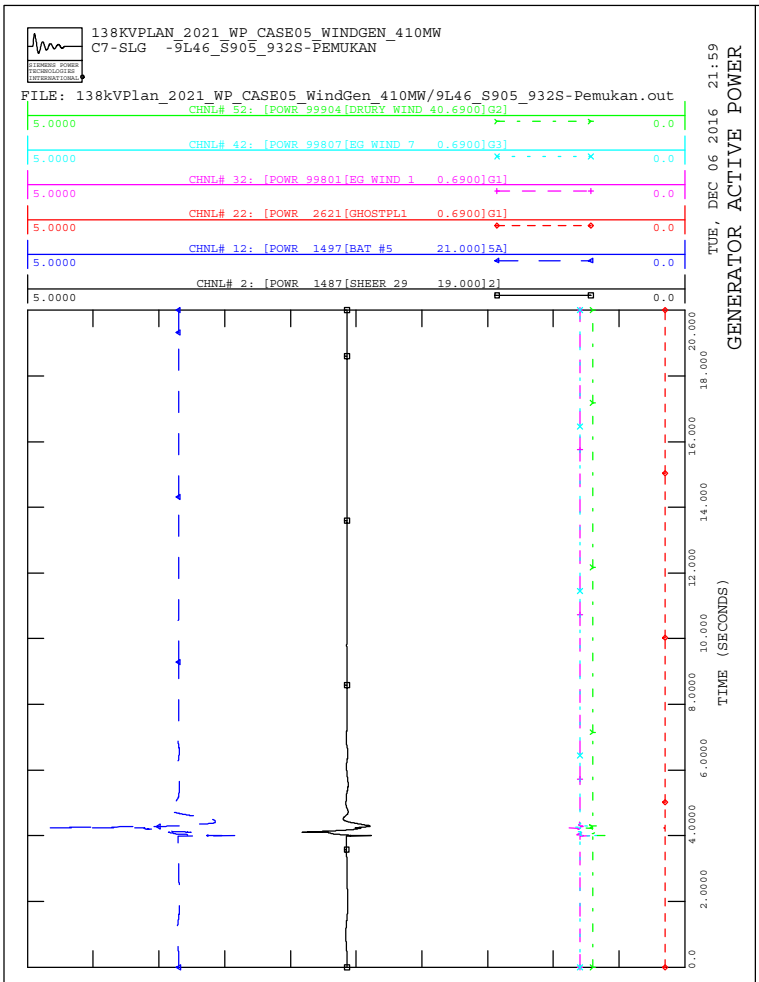
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_932S-Pemukan.out

TUE, DEC 06 2016 21:59

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_932S-Pemukan.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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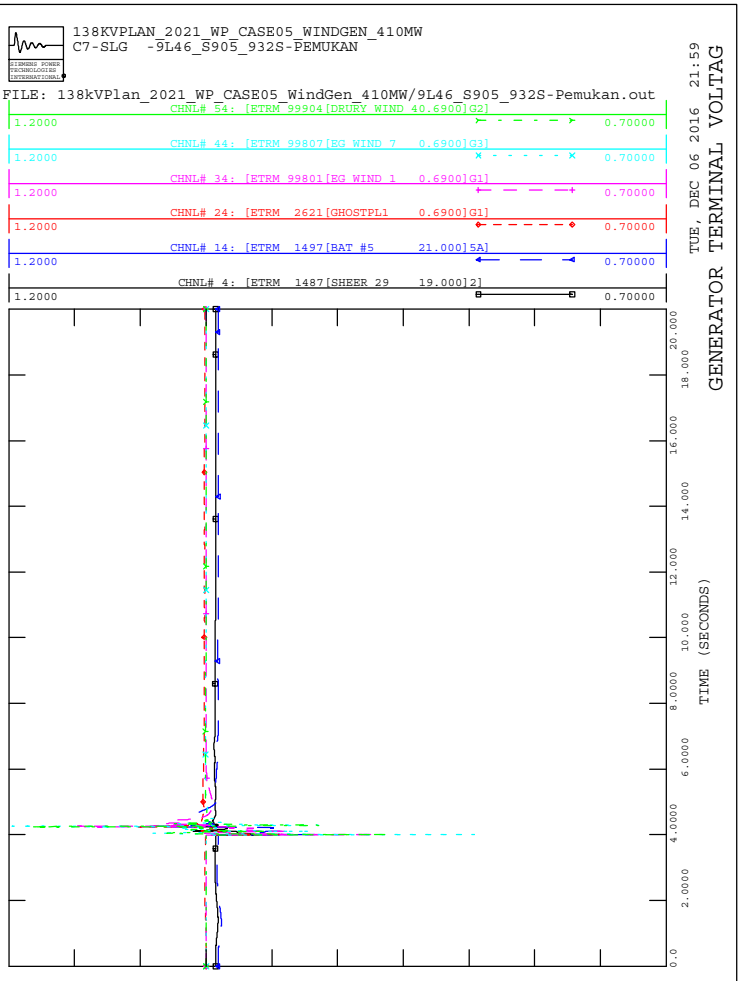
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_932S-Pemukan.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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8.0000
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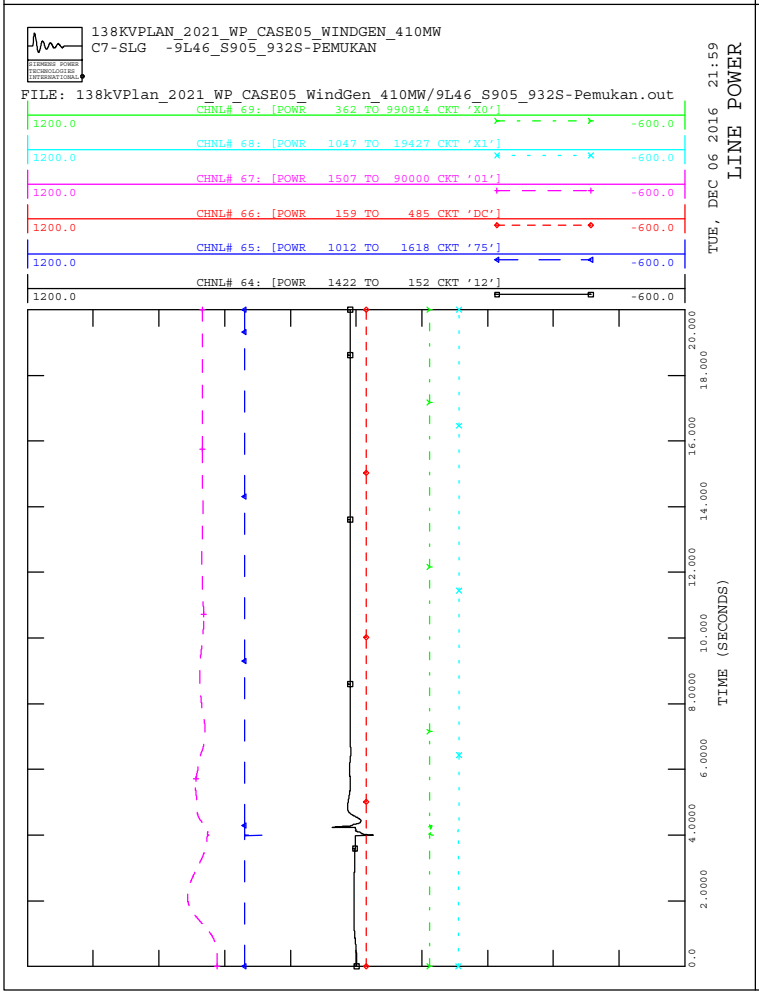
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_932S-Pemukan.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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12.000
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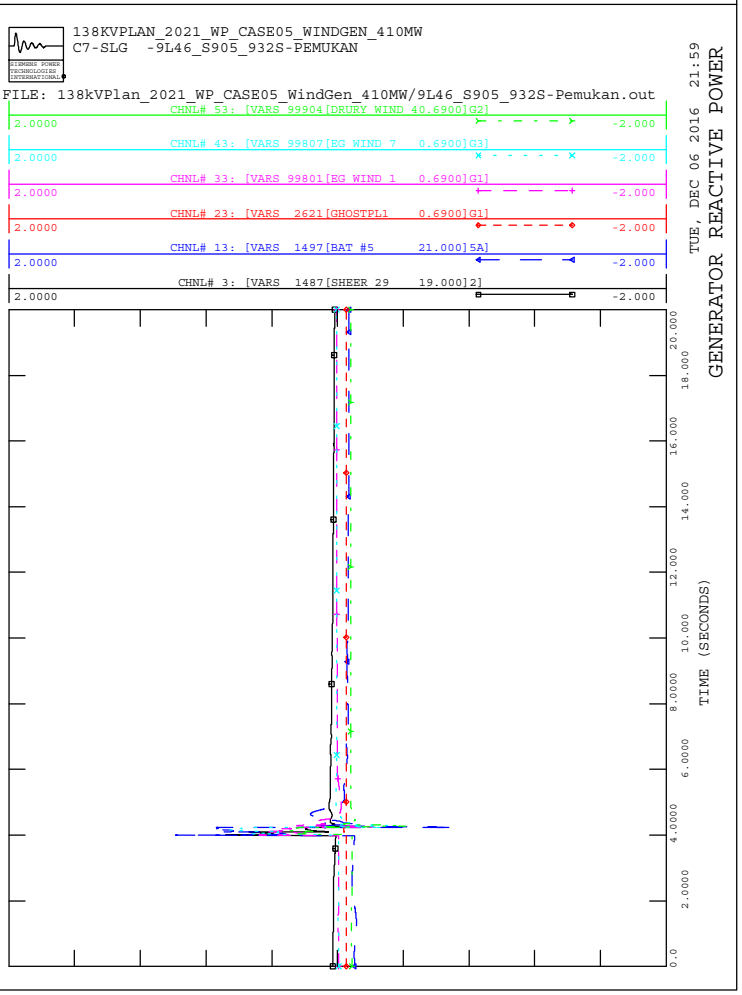
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_932S-Pemukan.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
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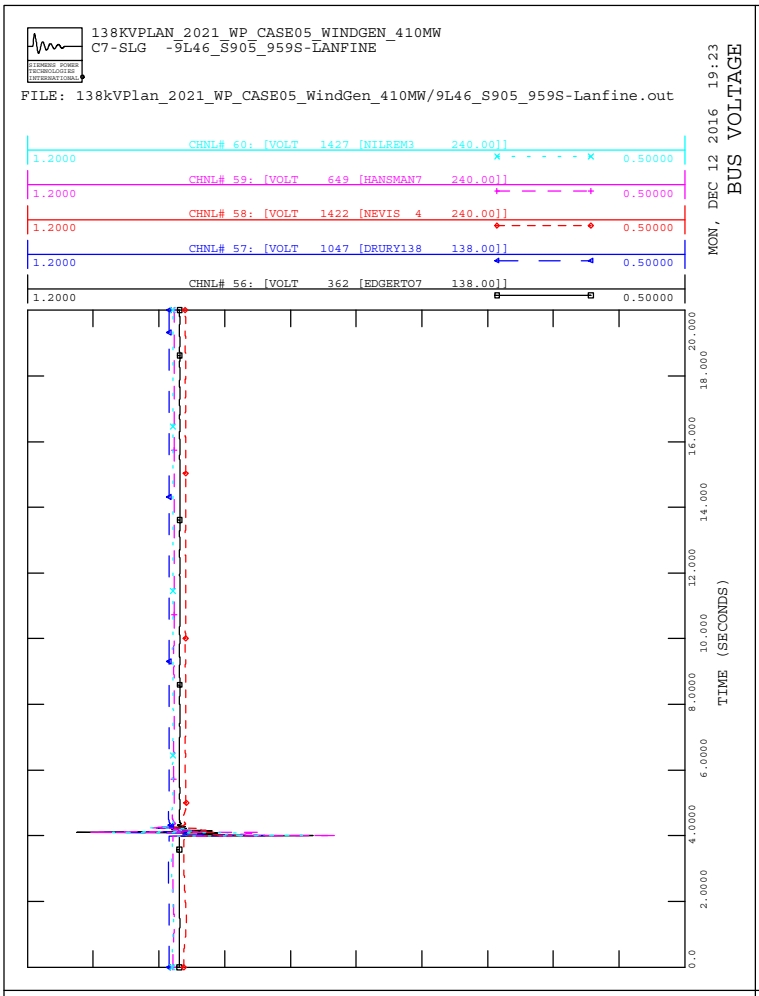
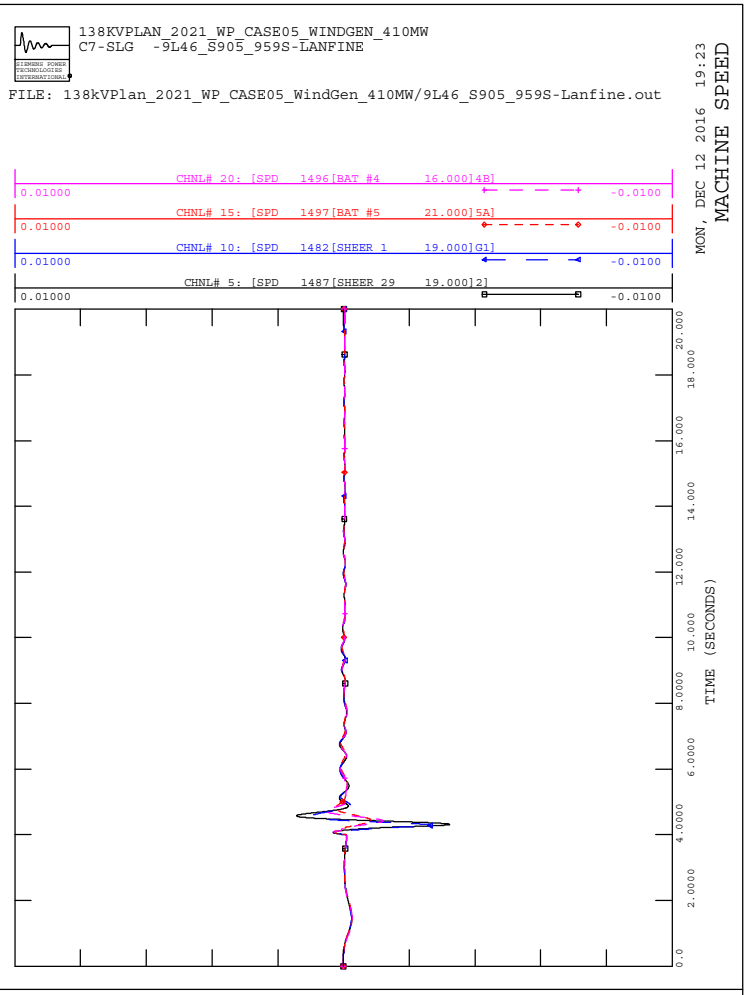
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_959S-Lanfine.out
MON, DEC 12 2016 19:23
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.50000
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_959S-Lanfine.out
MON, DEC 12 2016 19:23
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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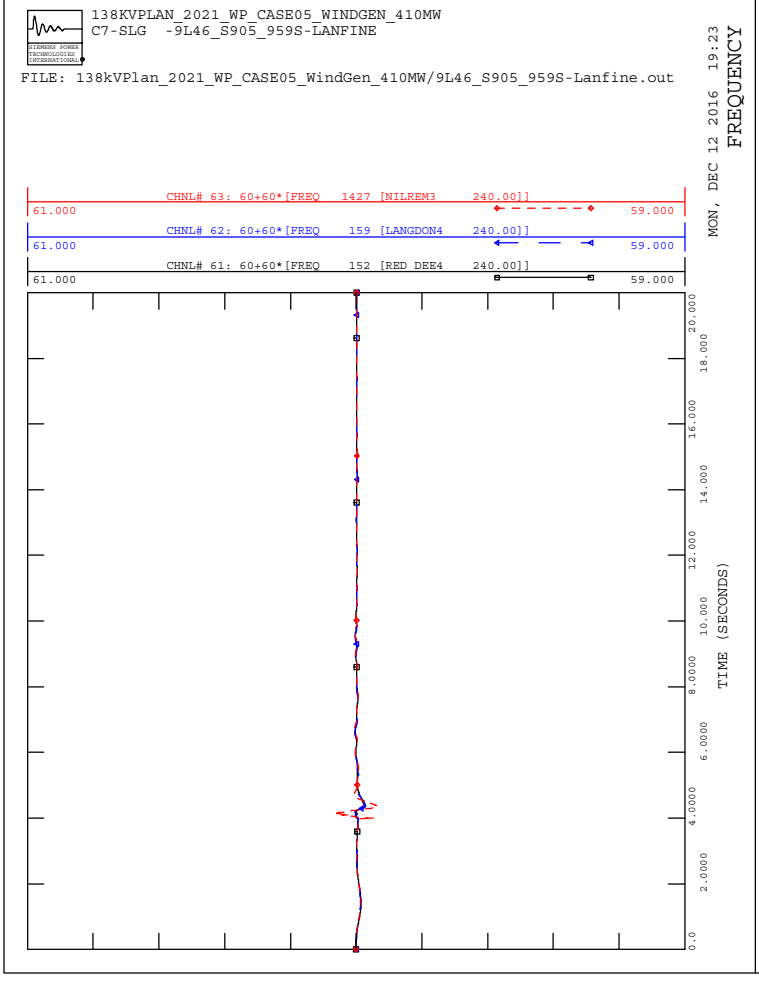
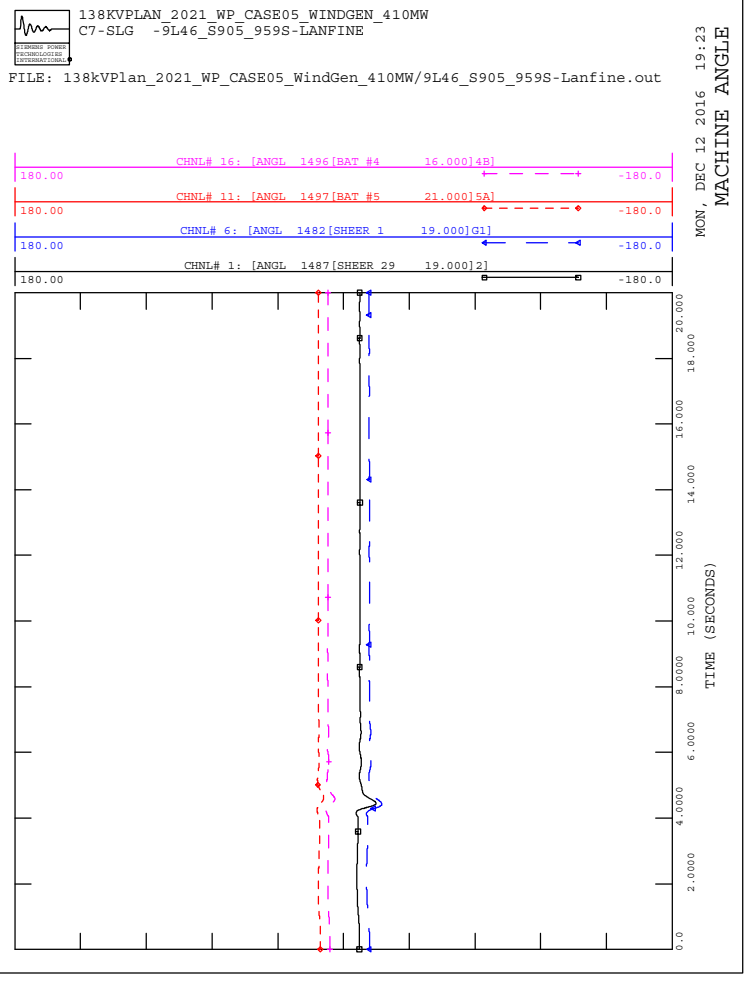
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_959S-Lanfine.out
MON, DEC 12 2016 19:23
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_959S-Lanfine.out
MON, DEC 12 2016 19:23
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
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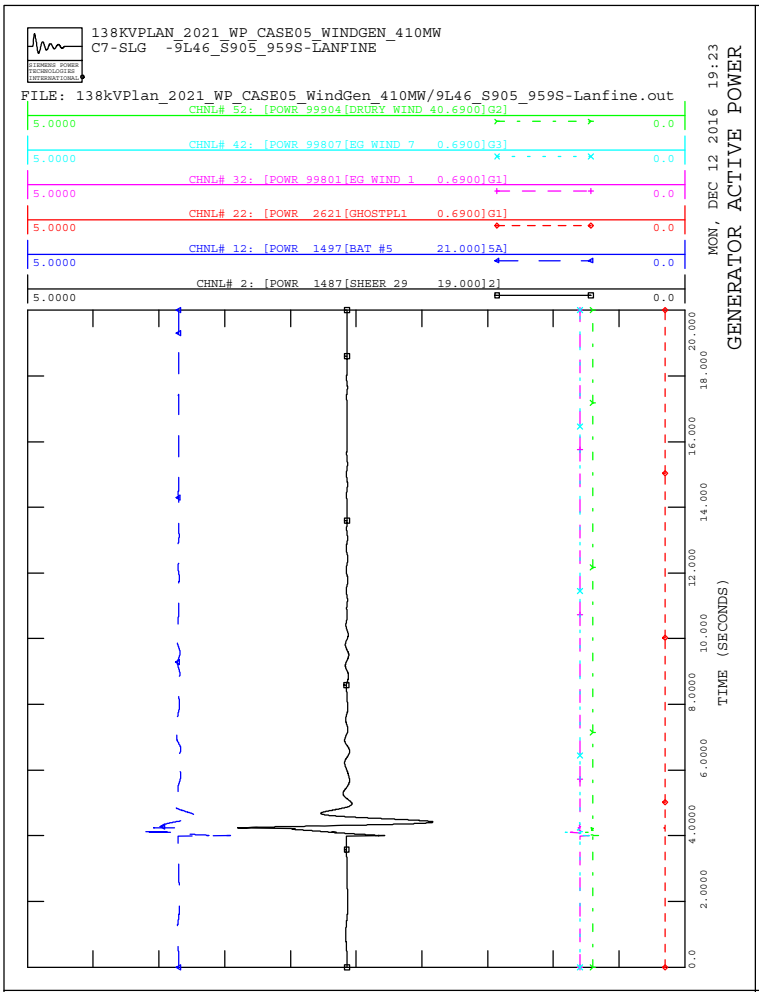
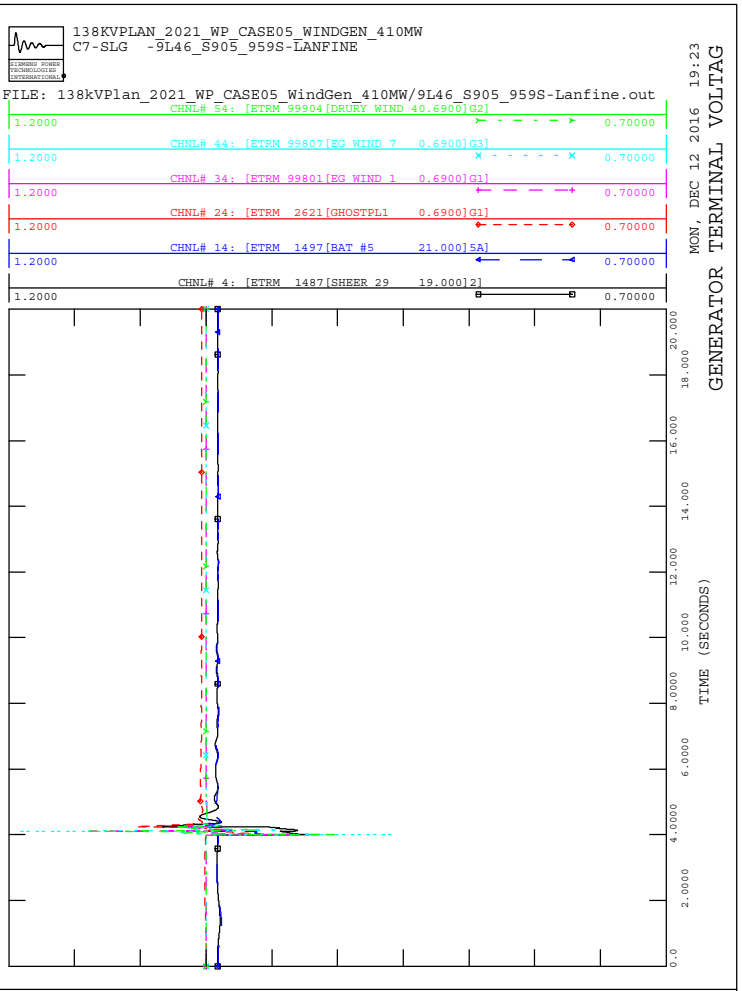
-180.0
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_959S-Lanfine.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, DEC 12 2016 19:23
GENERATOR ACTIVE POWER


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_959S-Lanfine.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
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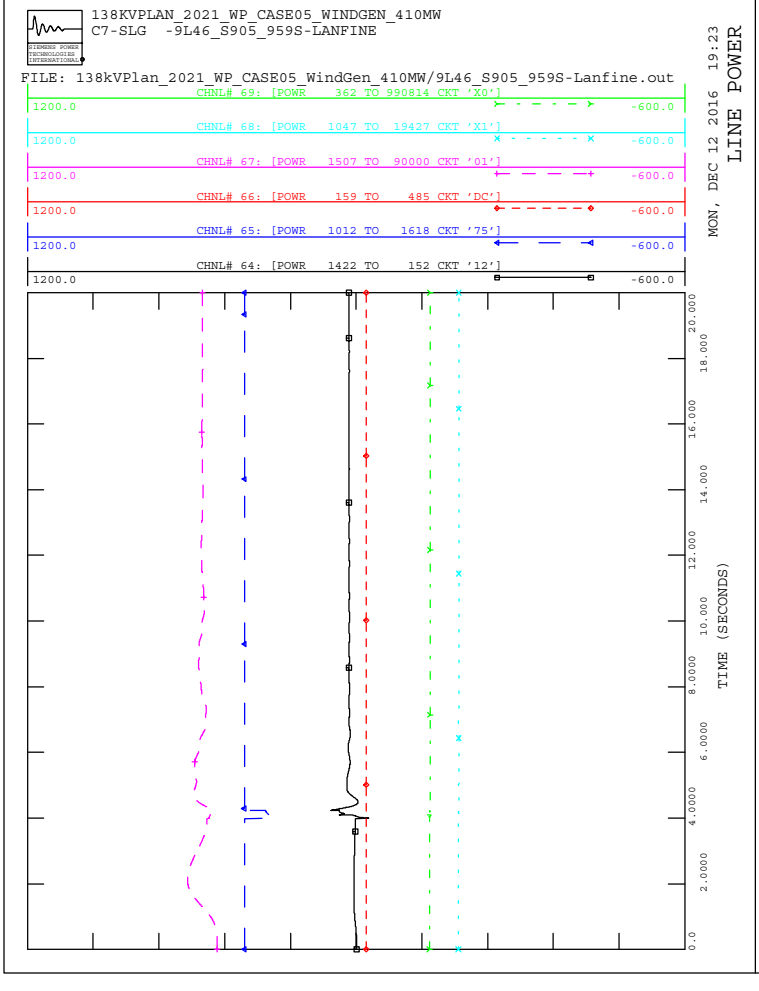
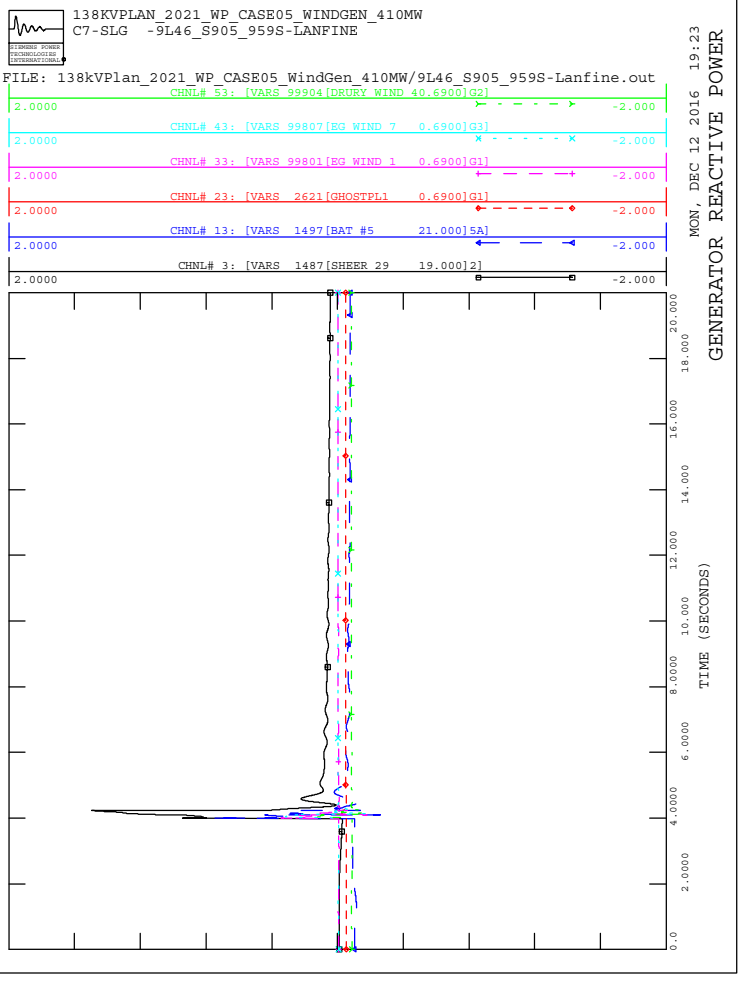
18.000
20.000
MON, DEC 12 2016 19:23
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_959S-Lanfine.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, DEC 12 2016 19:23
LINE POWER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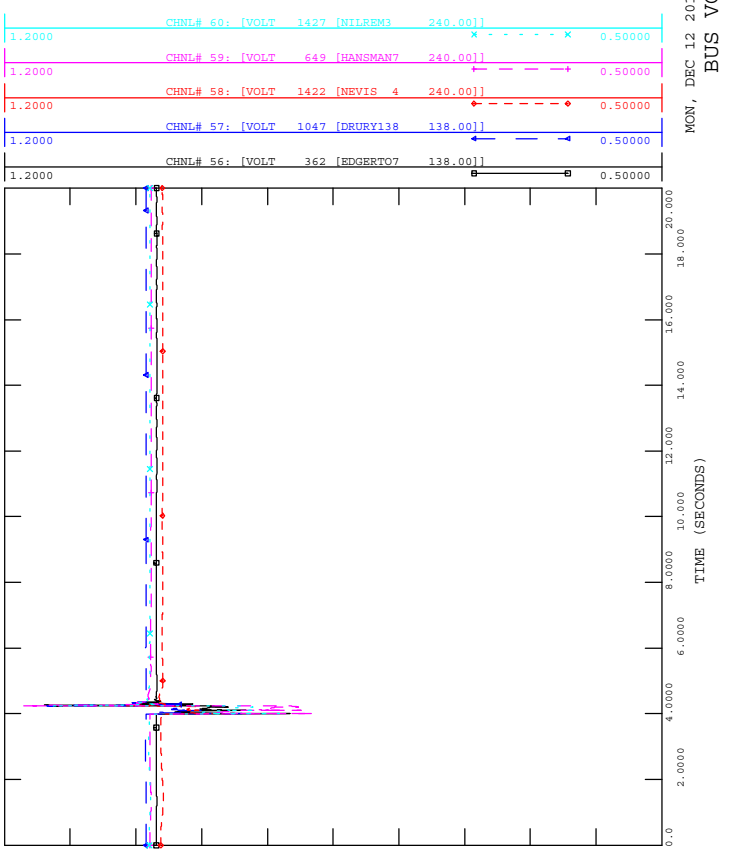
C7-SLG -9L46_S905_959S-LANFINE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L46_S905_959S-Lanfine.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
MON, DEC 12 2016 19:23
GENERATOR REACTIVE POWER

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

BUS VOLTAGE

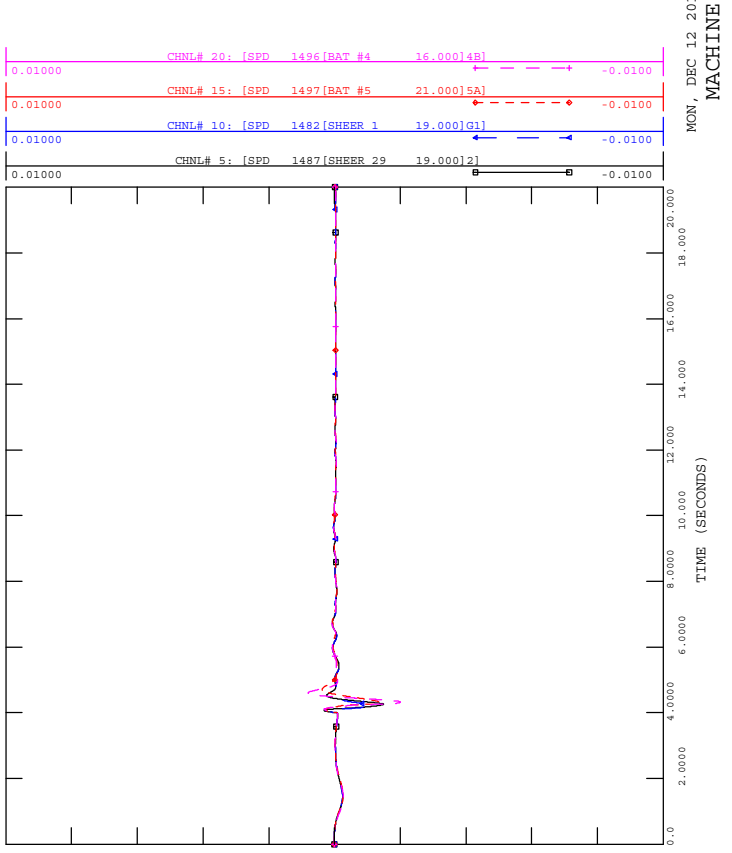


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

MACHINE SPEED

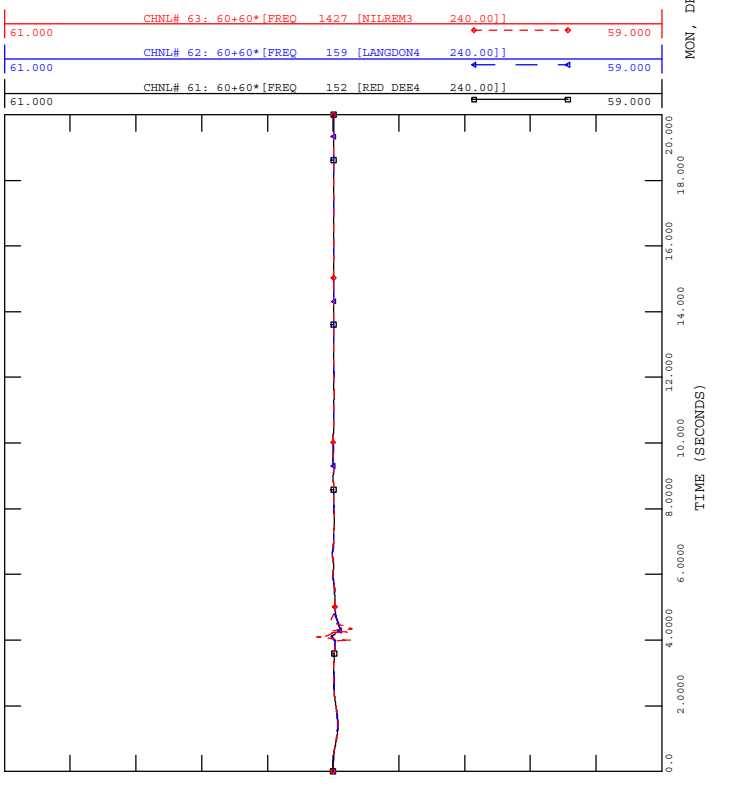


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

FREQUENCY



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE

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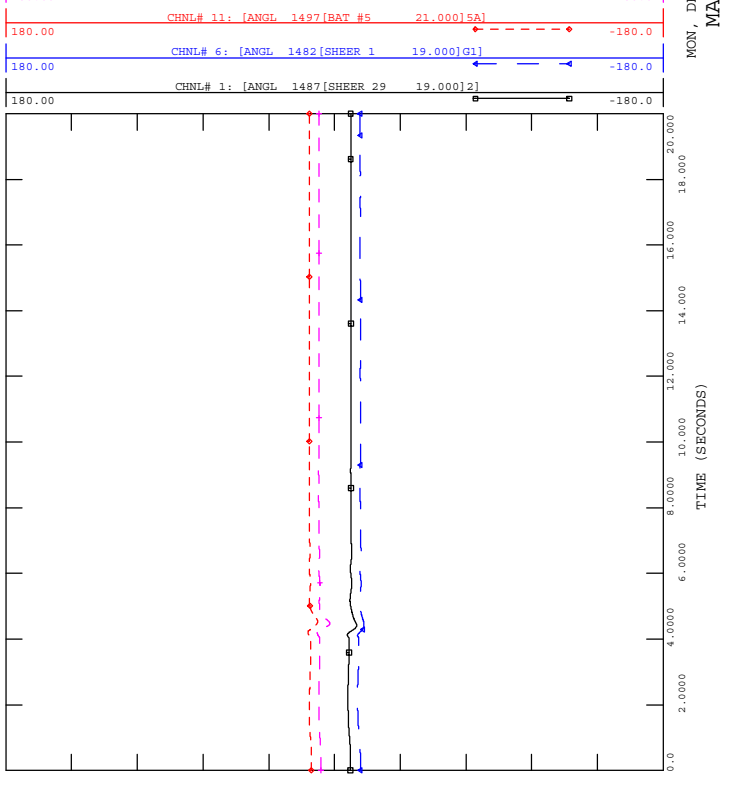
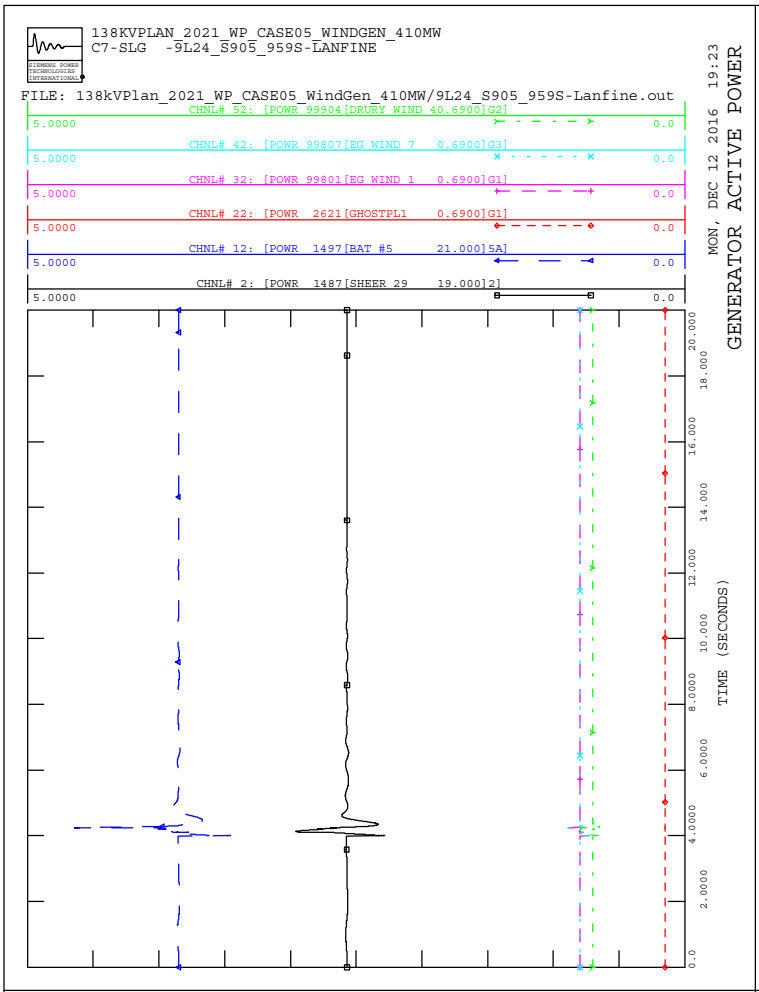
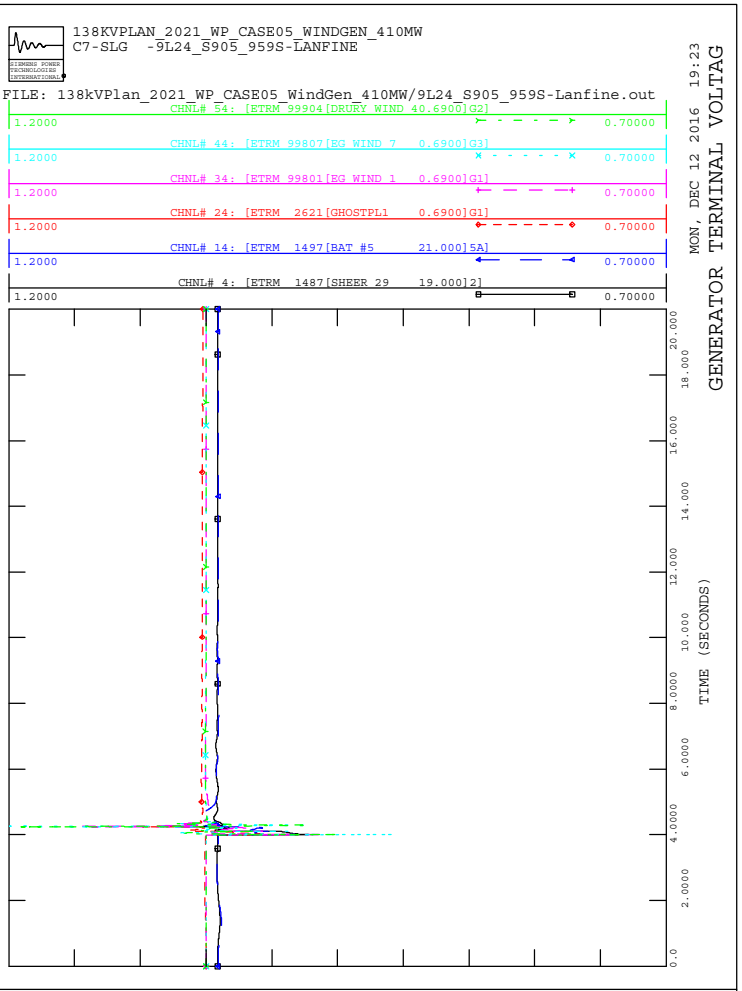
MON, DEC 12 2016 19:23

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_S905_959S-Lanfine.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, DEC 12 2016 19:23
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_S905_959S-Lanfine.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, DEC 12 2016 19:23
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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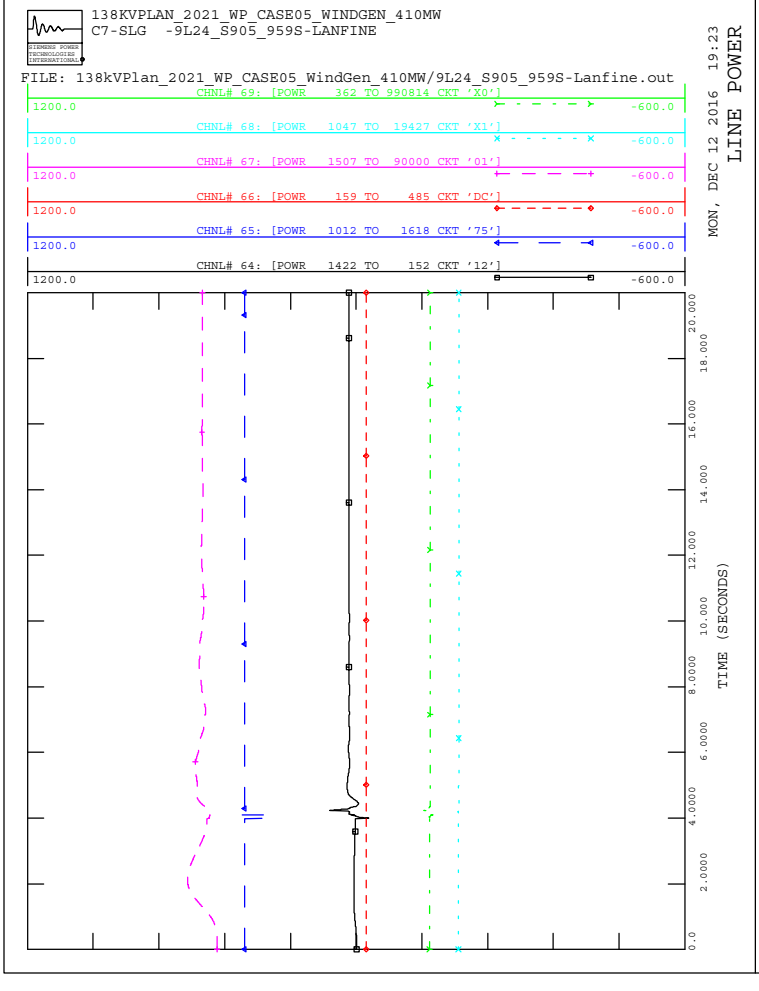
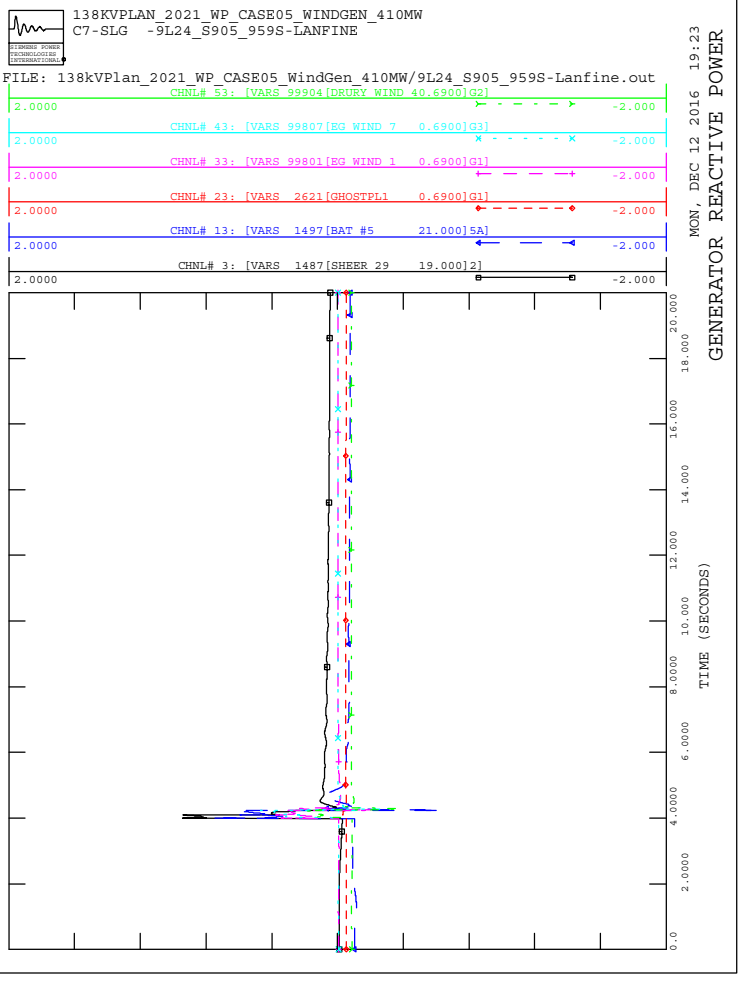
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_S905_959S-Lanfine.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, DEC 12 2016 19:23
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

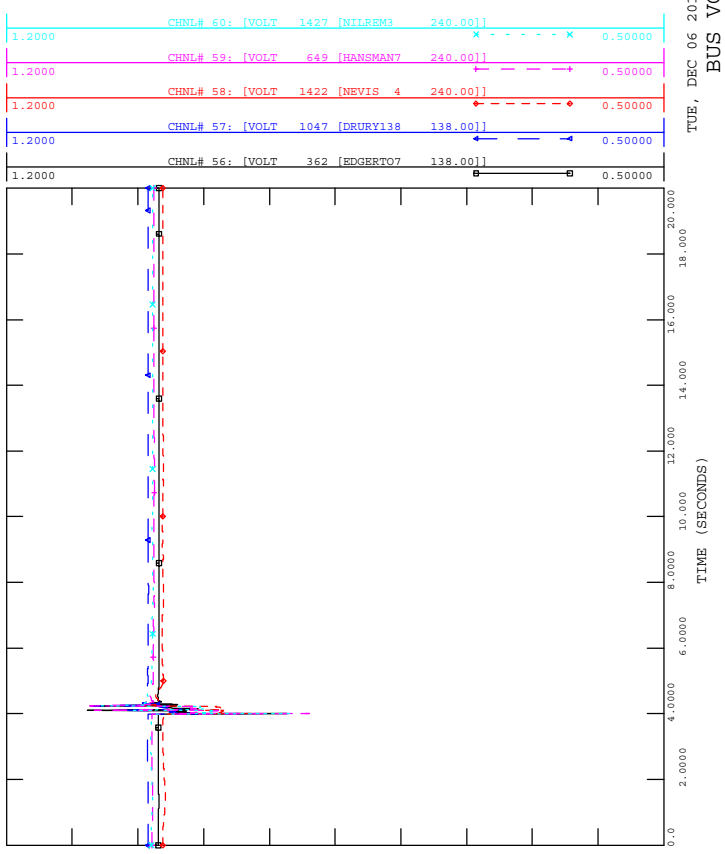

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_S905_959S-Lanfine.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, DEC 12 2016 19:23
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_946S_946S-Oakland.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

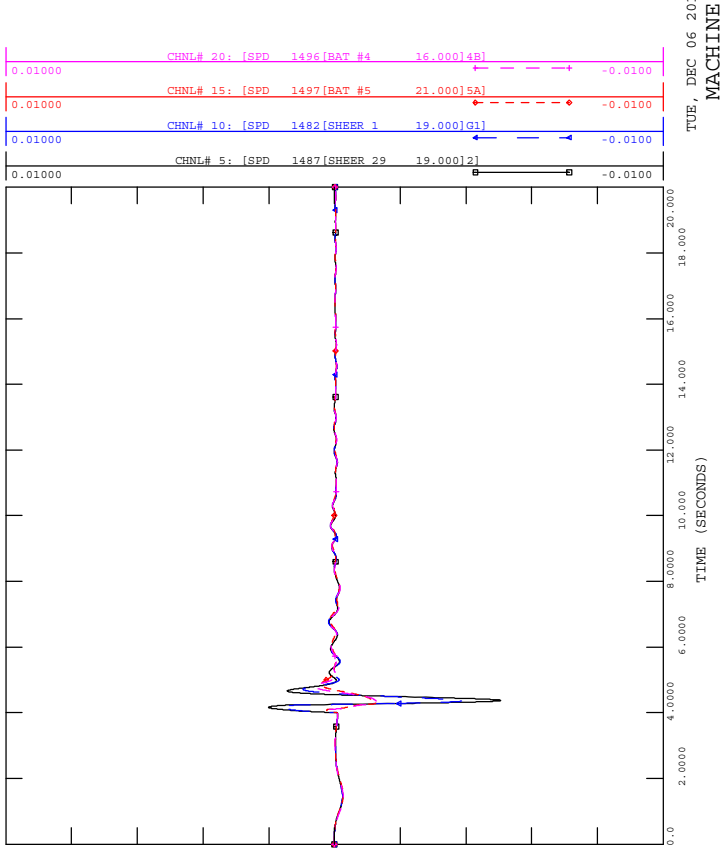


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_946S_946S-Oakland.out

TUE, DEC 06 2016 21:59

MACHINE SPEED

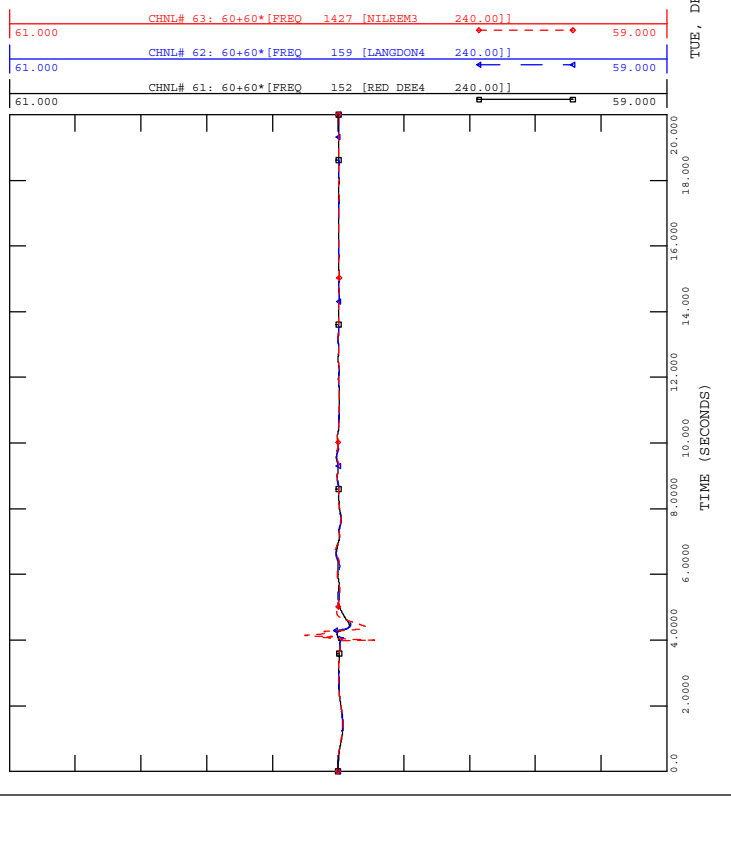


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_946S_946S-Oakland.out

TUE, DEC 06 2016 21:59

FREQUENCY

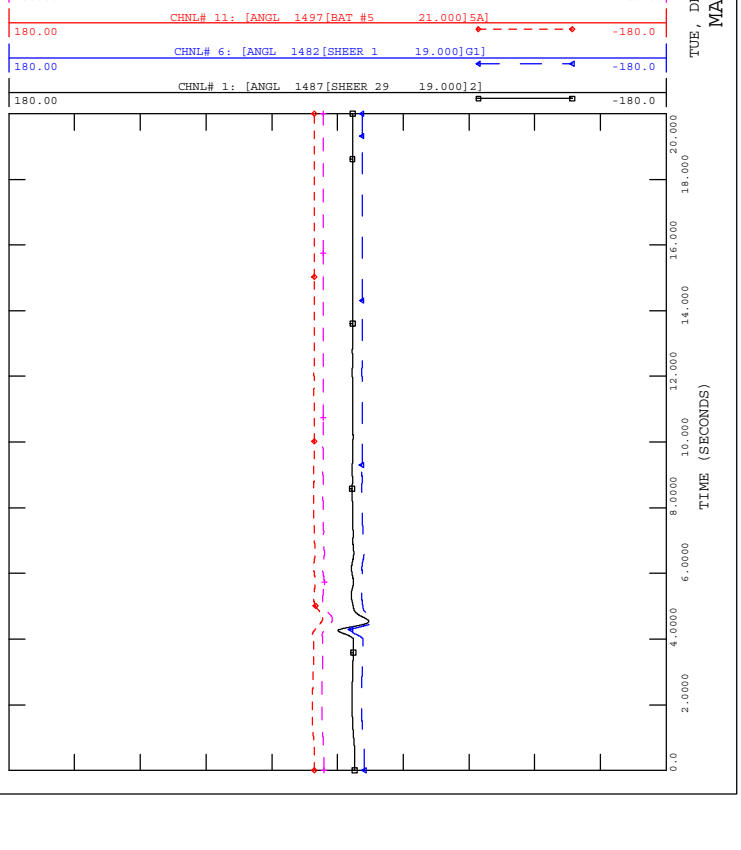


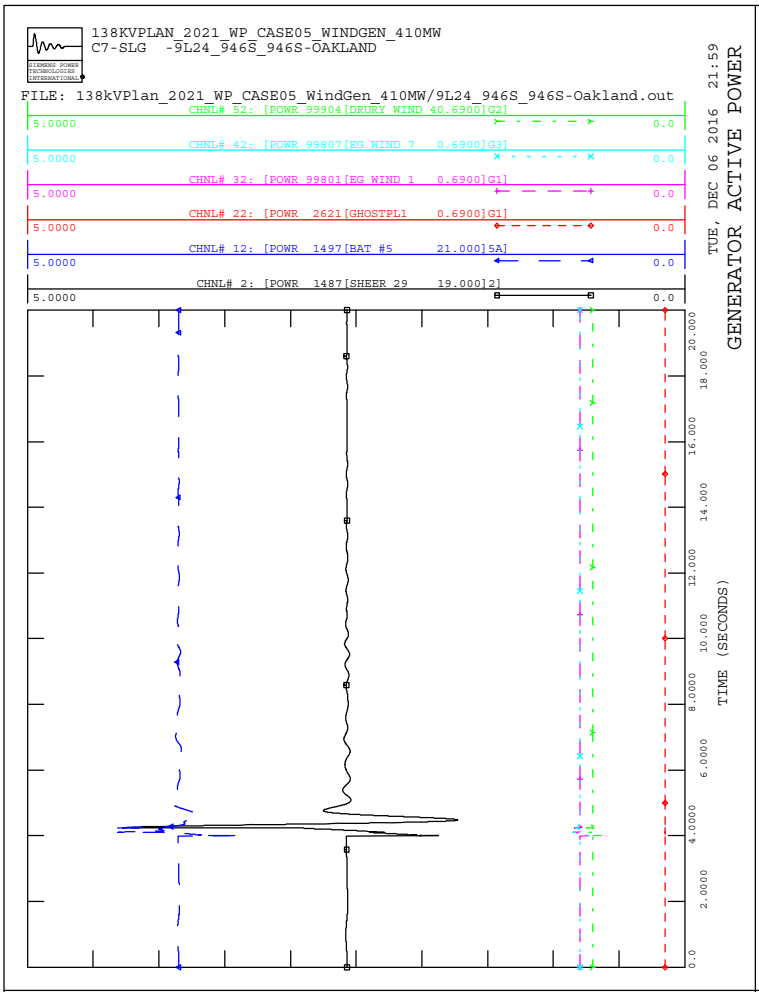
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_946S_946S-Oakland.out

TUE, DEC 06 2016 21:59

MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_946S_946S-Oakland.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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16.000
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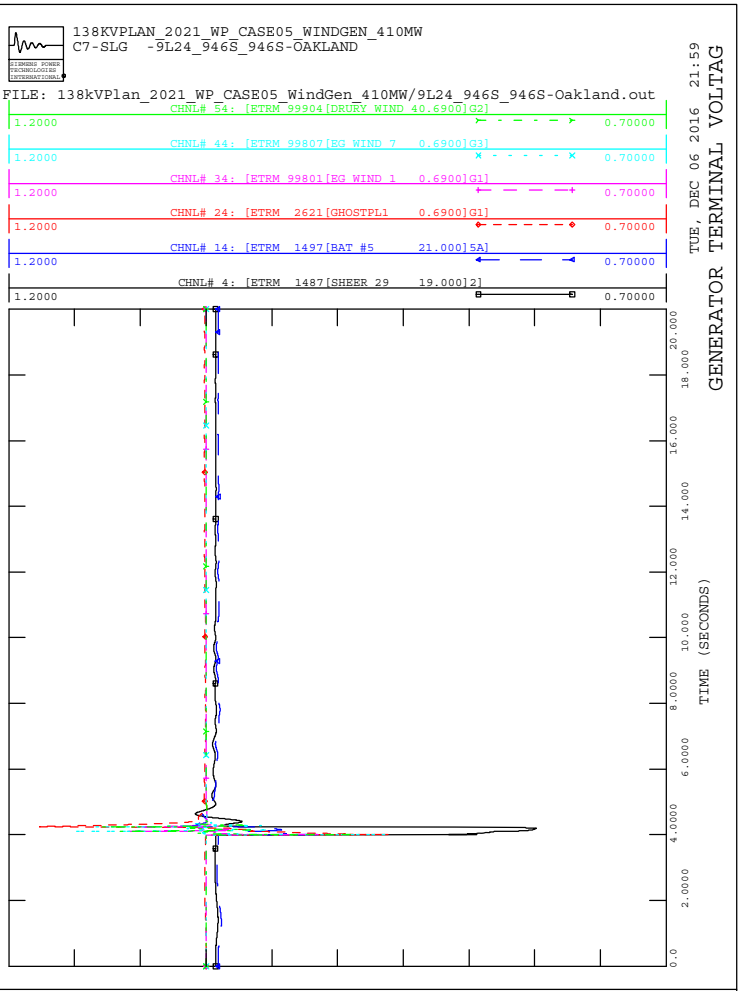
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_946S_946S-Oakland.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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8.0000
10.000
12.000
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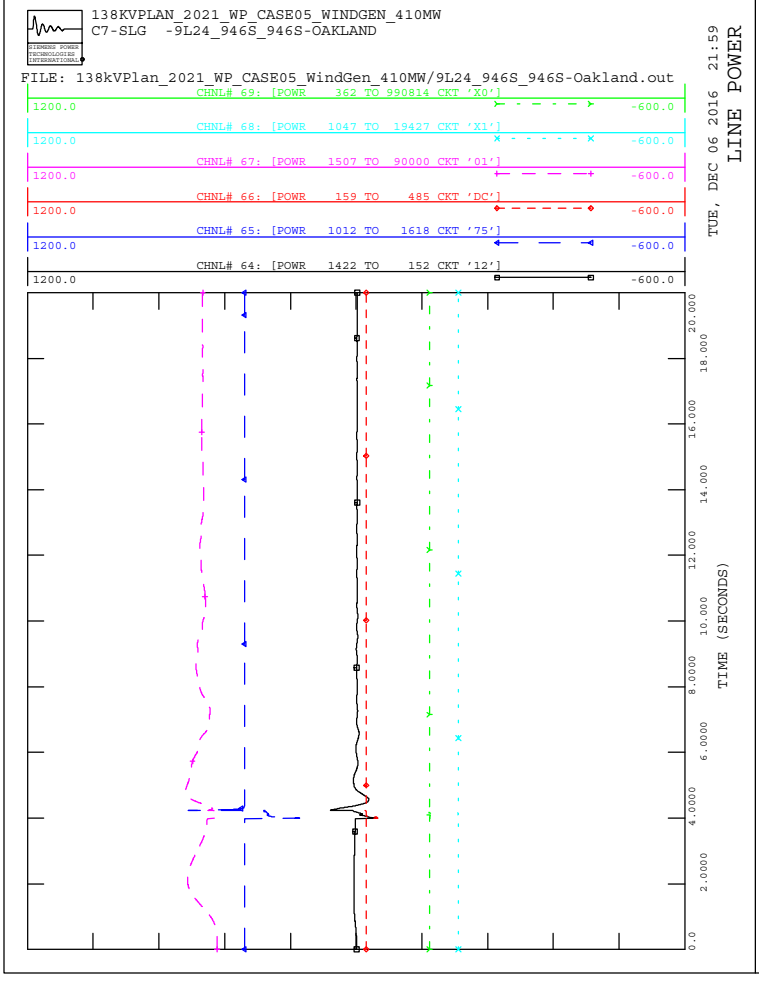
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_946S_946S-Oakland.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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12.000
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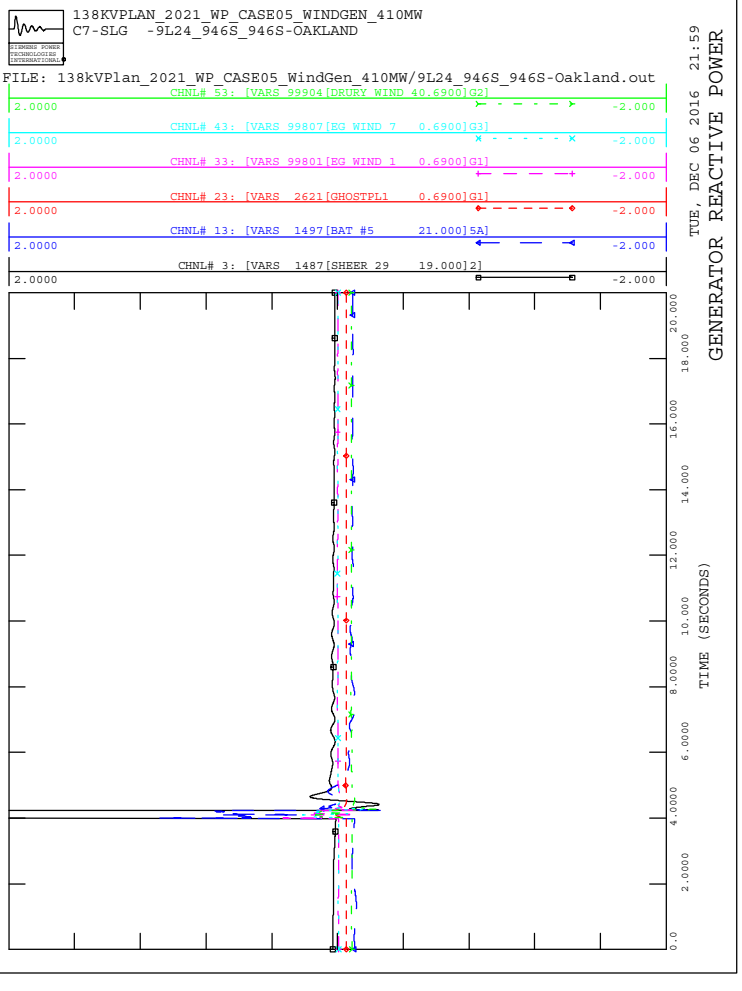
20.000

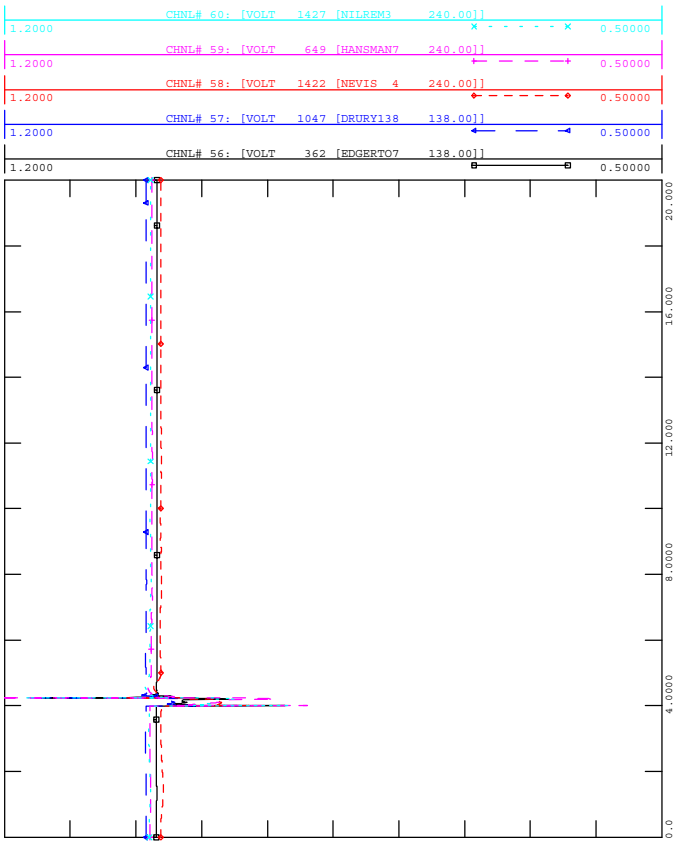

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L24_946S_946S-OAKLAND
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L24_946S_946S-Oakland.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_946S_946S-Oakland.out

TUE, DEC 06 2016 21:59

BUS VOLTAGE

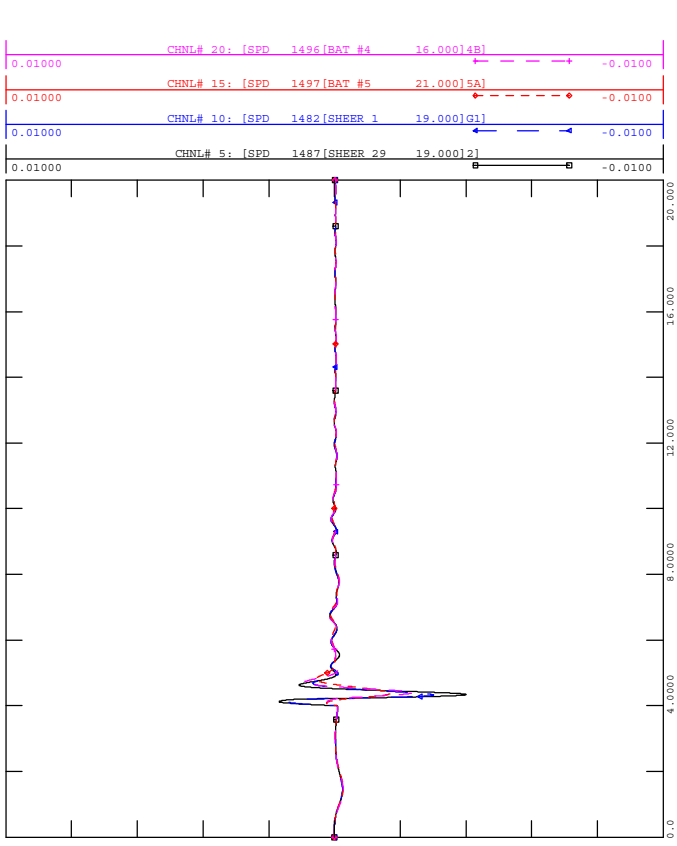


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_946S_946S-Oakland.out

TUE, DEC 06 2016 21:59

MACHINE SPEED



138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L97_946S_946S-OAKLAND

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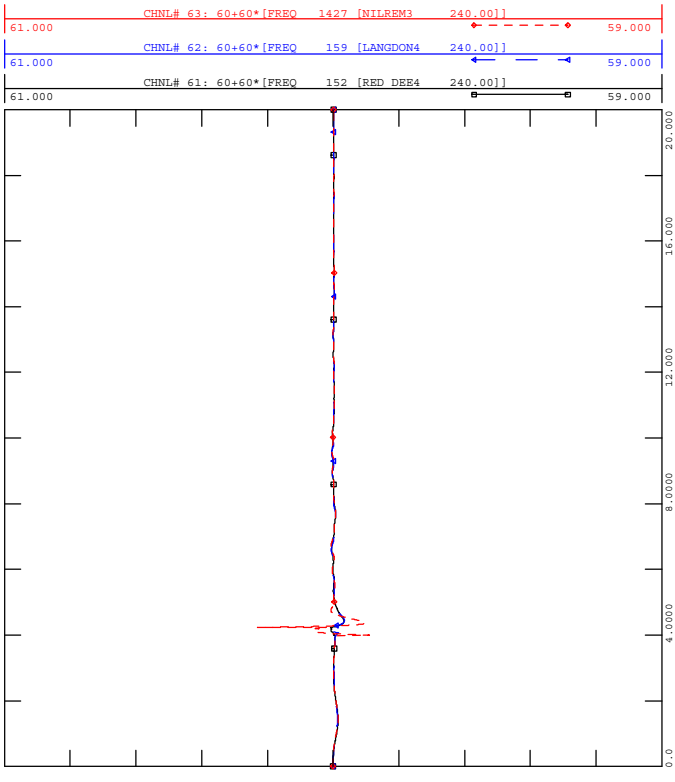
TUE, DEC 06 2016 21:59

FREQUENCY

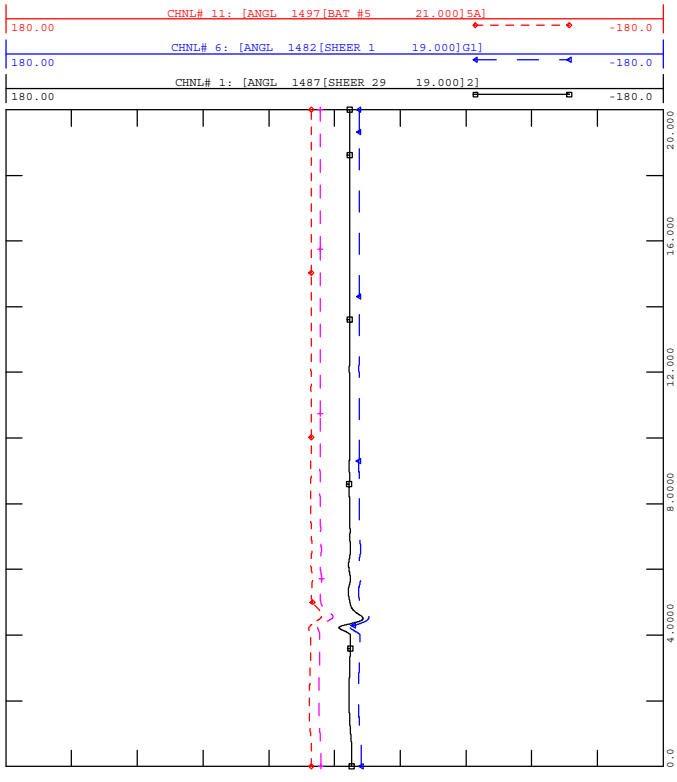


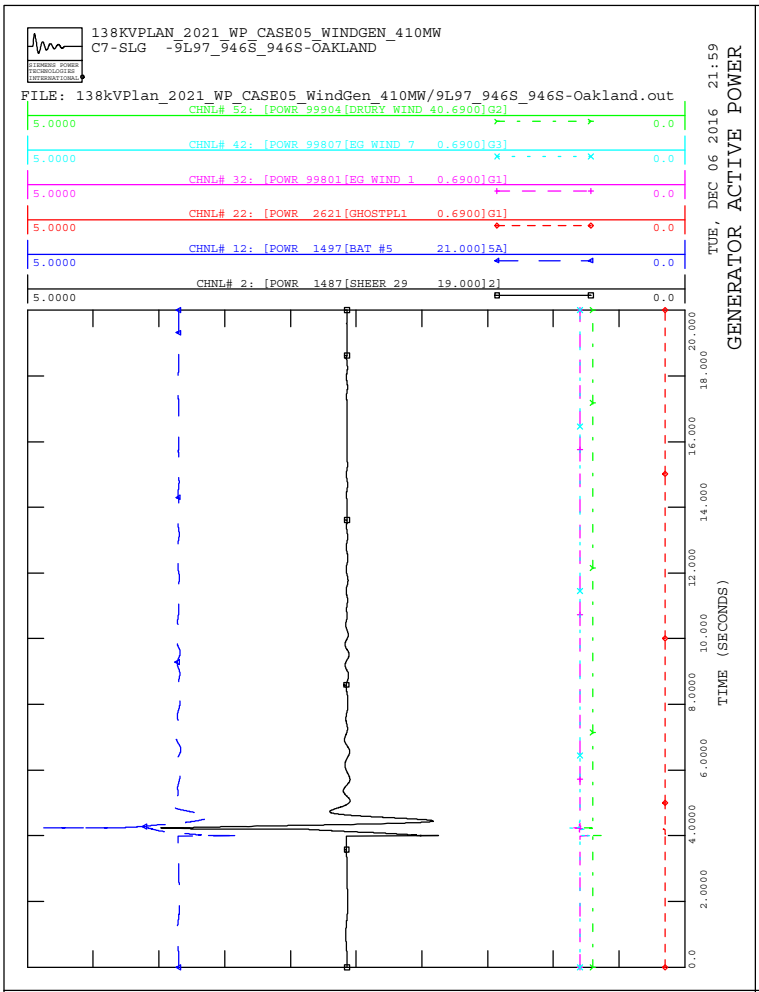
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_946S_946S-Oakland.out

TUE, DEC 06 2016 21:59

MACHINE ANGLE

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C7-SLG -9L97_946S_946S-OAKLAND
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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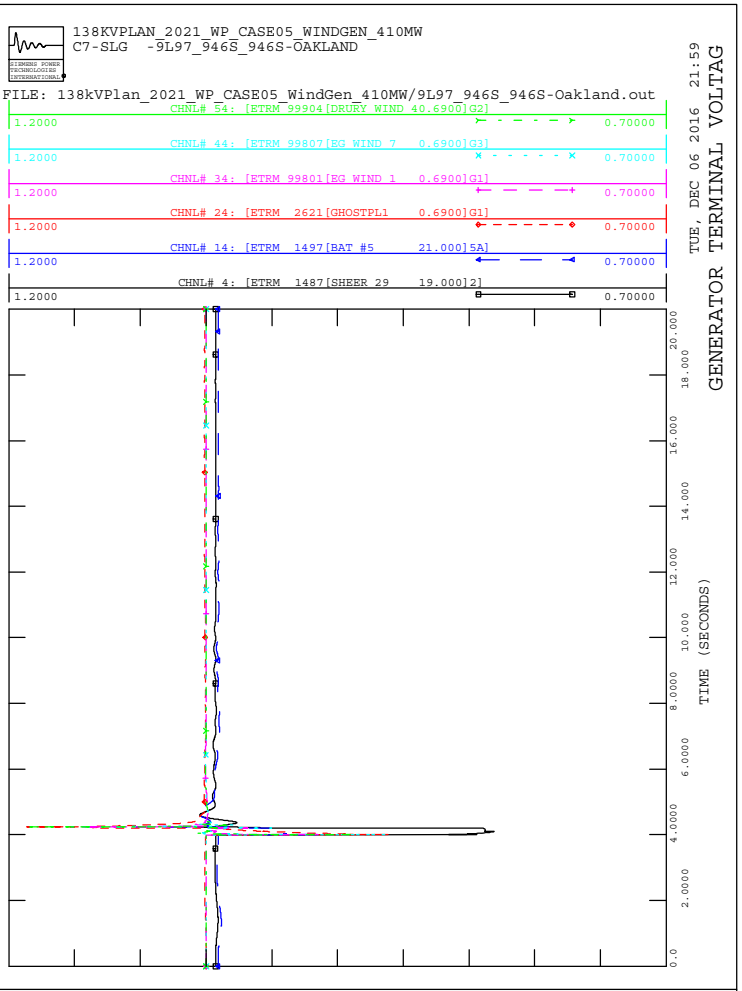
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C7-SLG -9L97_946S_946S-OAKLAND
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_946S_946S-Oakland.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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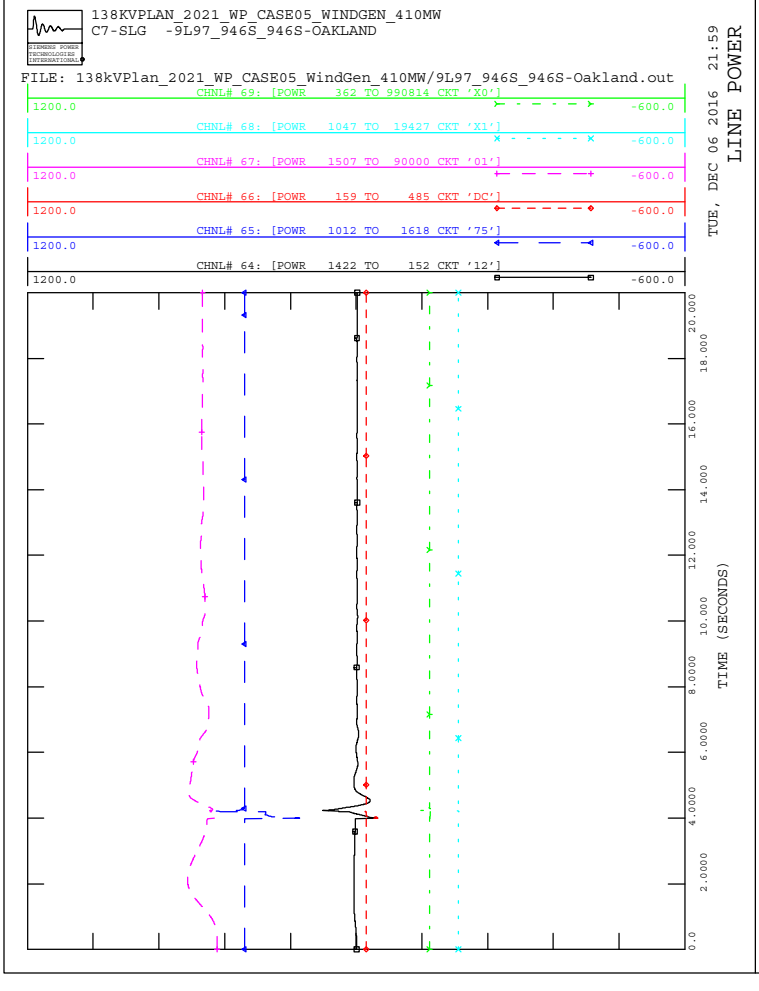
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C7-SLG -9L97_946S_946S-OAKLAND
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L97_946S_946S-Oakland.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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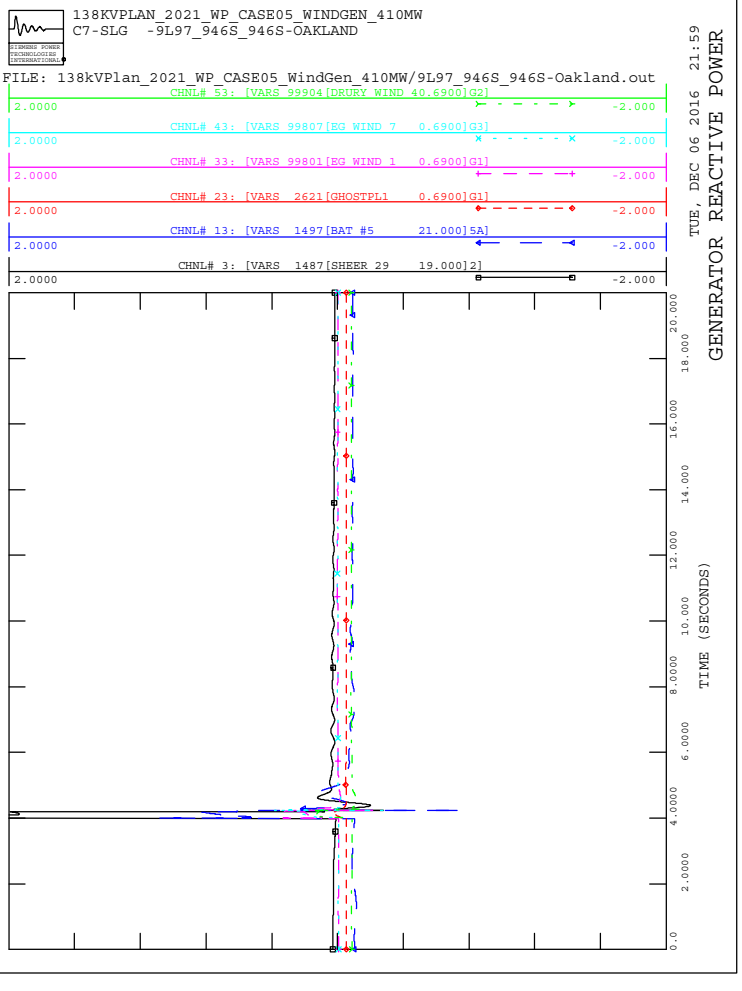
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C7-SLG -9L97_946S_946S-OAKLAND
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
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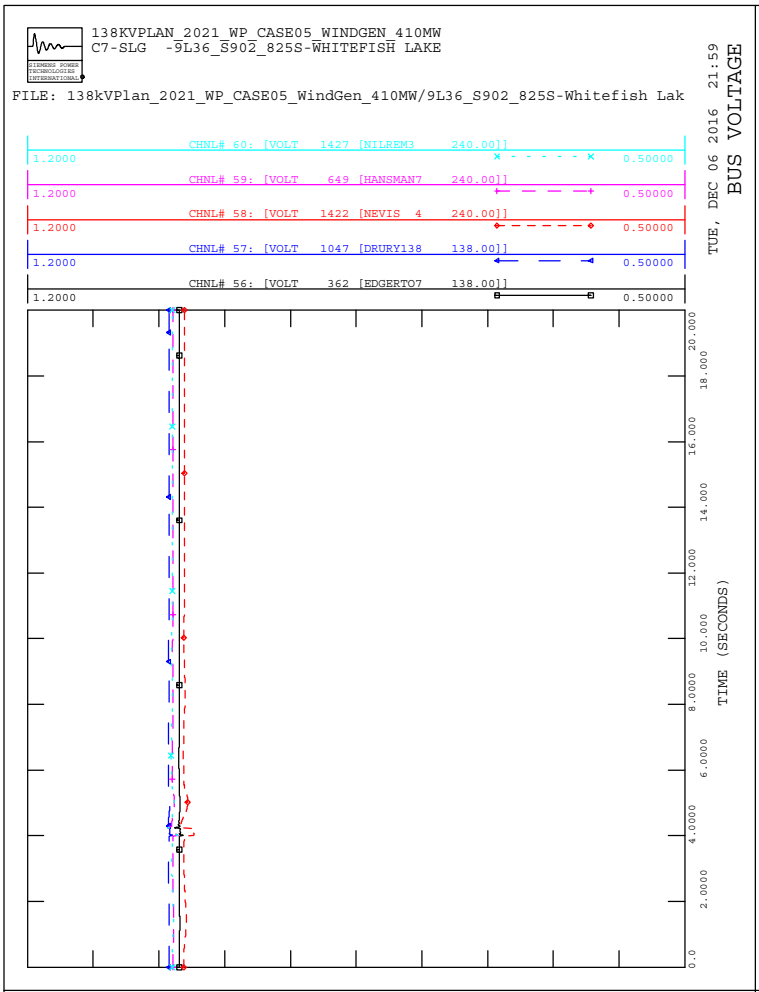
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
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TUE, DEC 06 2016 21:59
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
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CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
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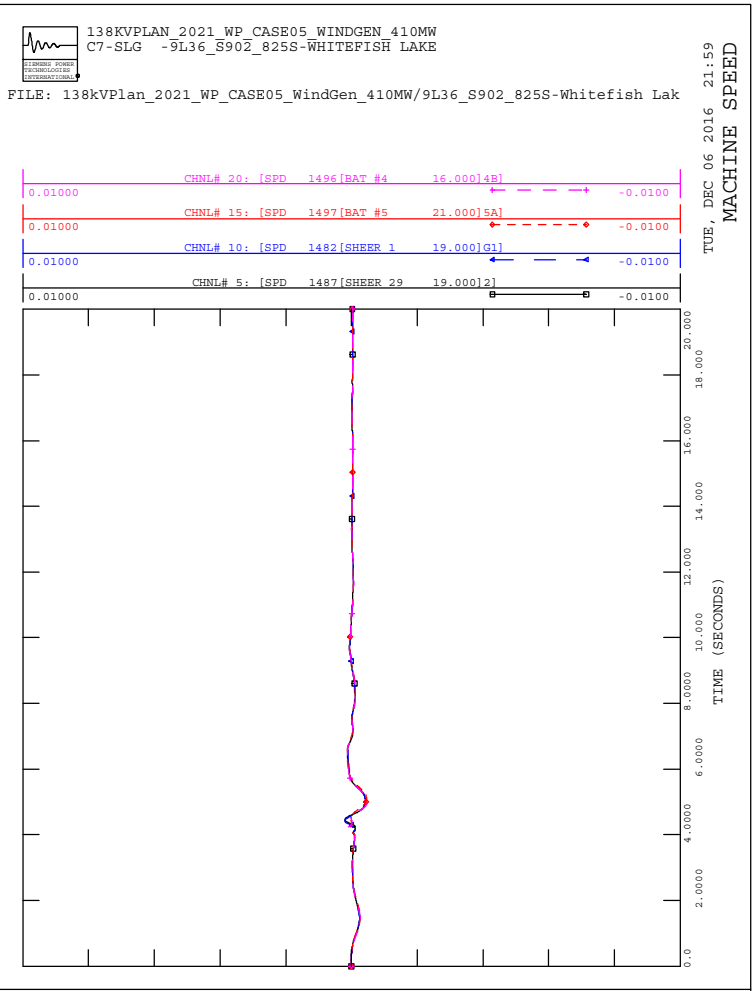
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S902_825S-Whitefish Lak
TUE, DEC 06 2016 21:59
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
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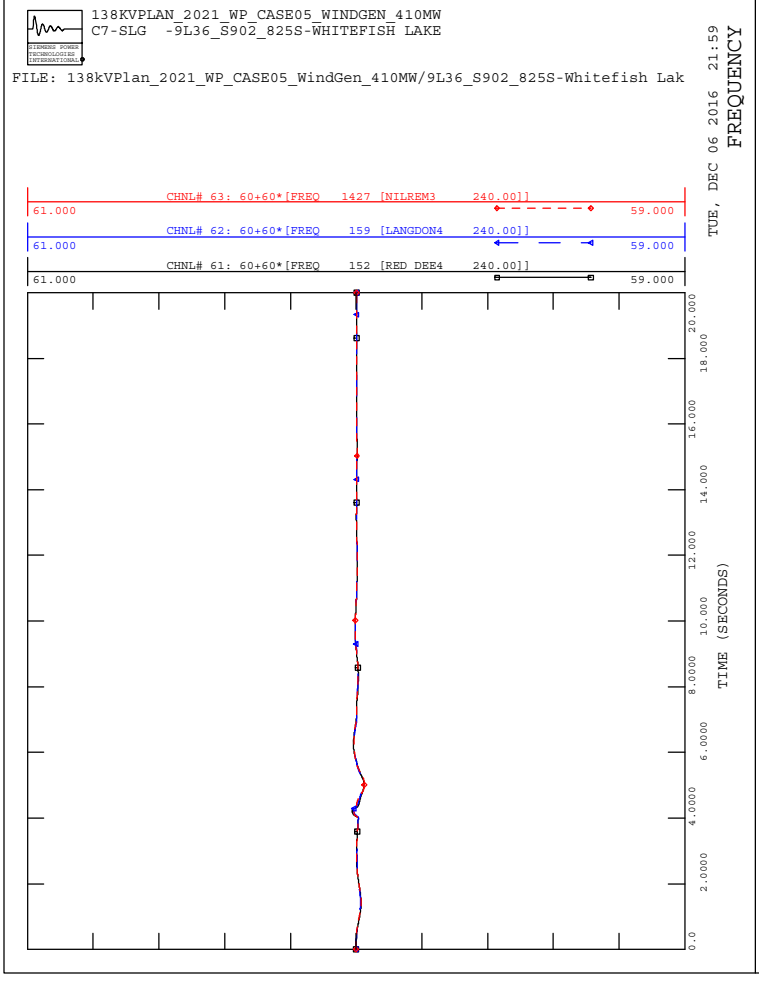
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S902_825S-Whitefish Lak
TUE, DEC 06 2016 21:59
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
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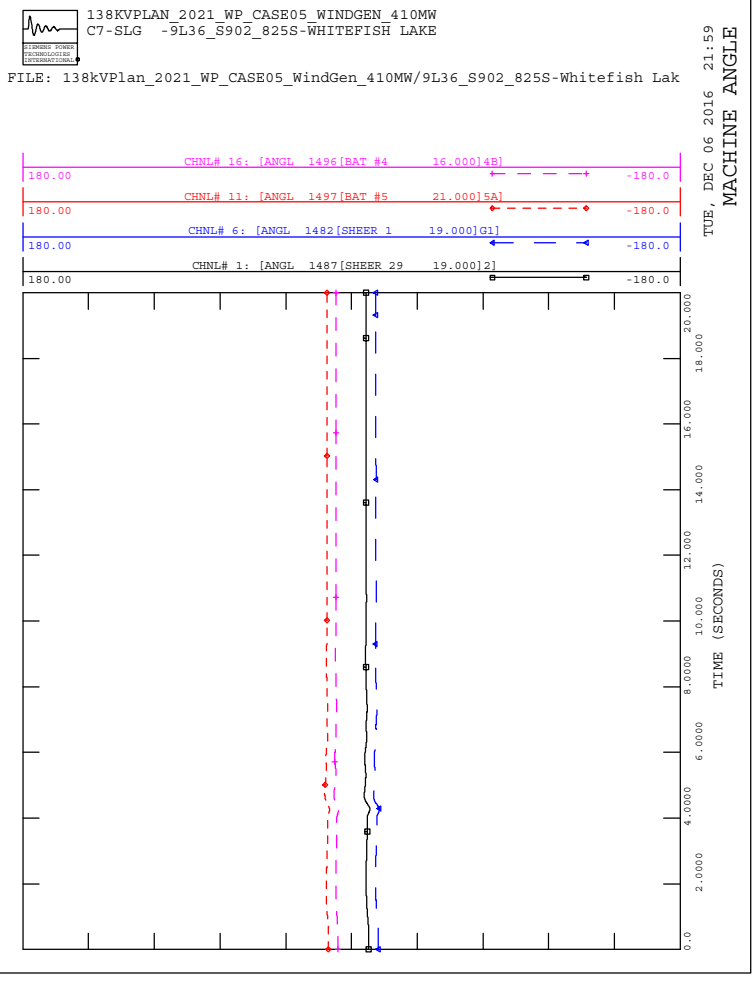
59.000
TIME (SECONDS)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C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S902_825S-Whitefish Lak
TUE, DEC 06 2016 21:59
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
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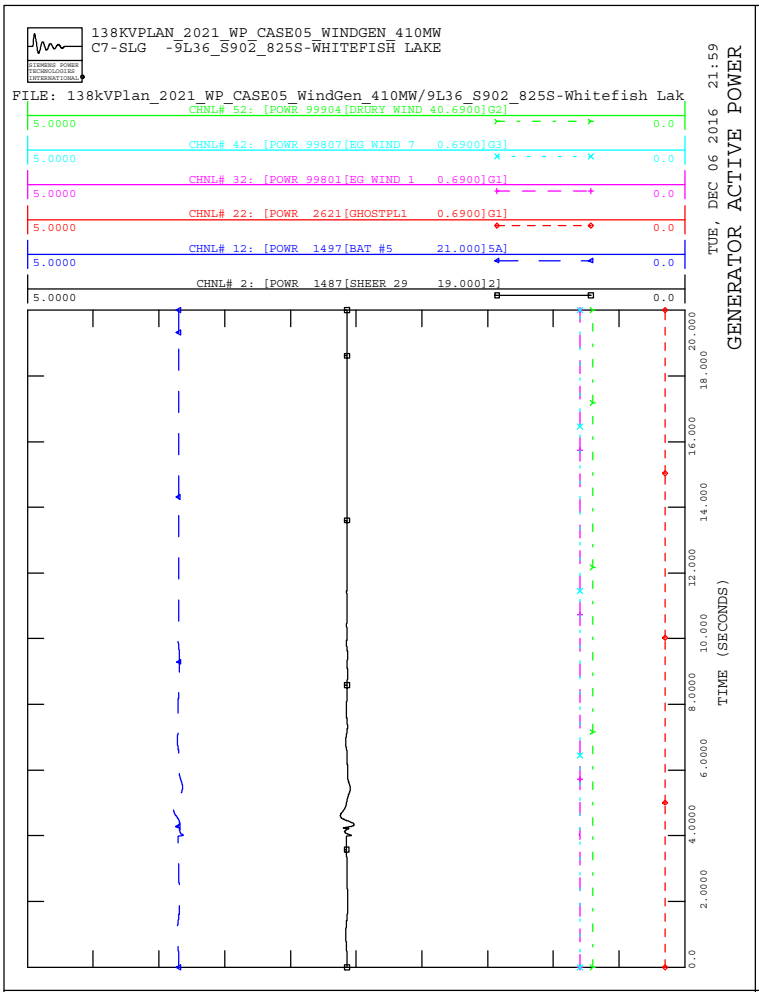
TIME (SECONDS)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C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S902_825S-Whitefish Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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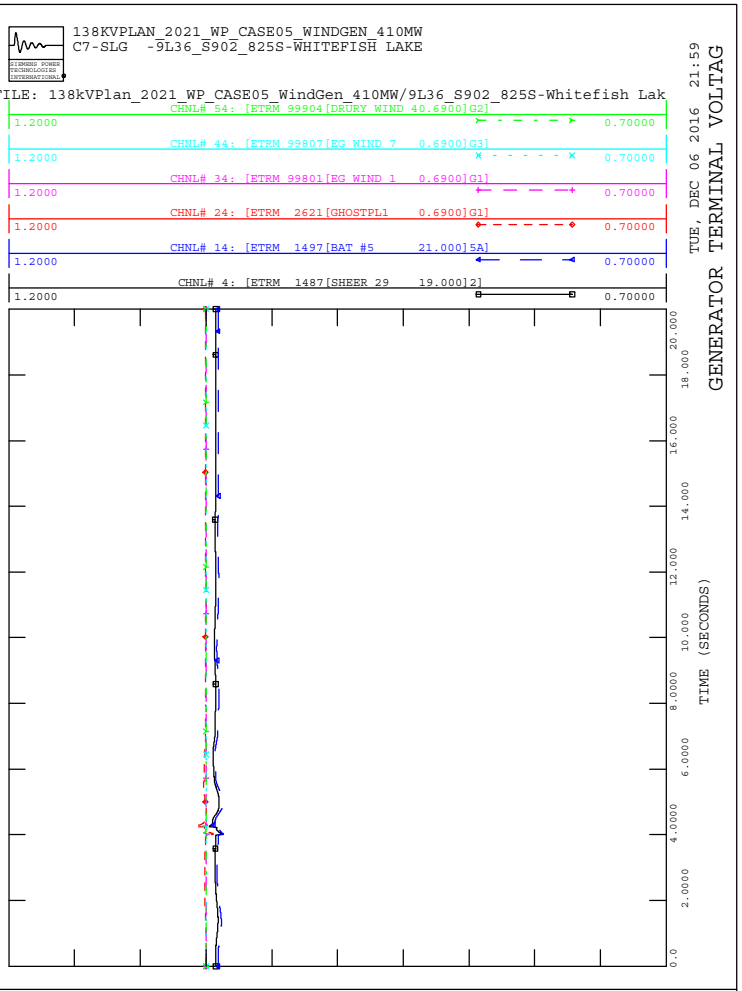
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S902_825S-Whitefish Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
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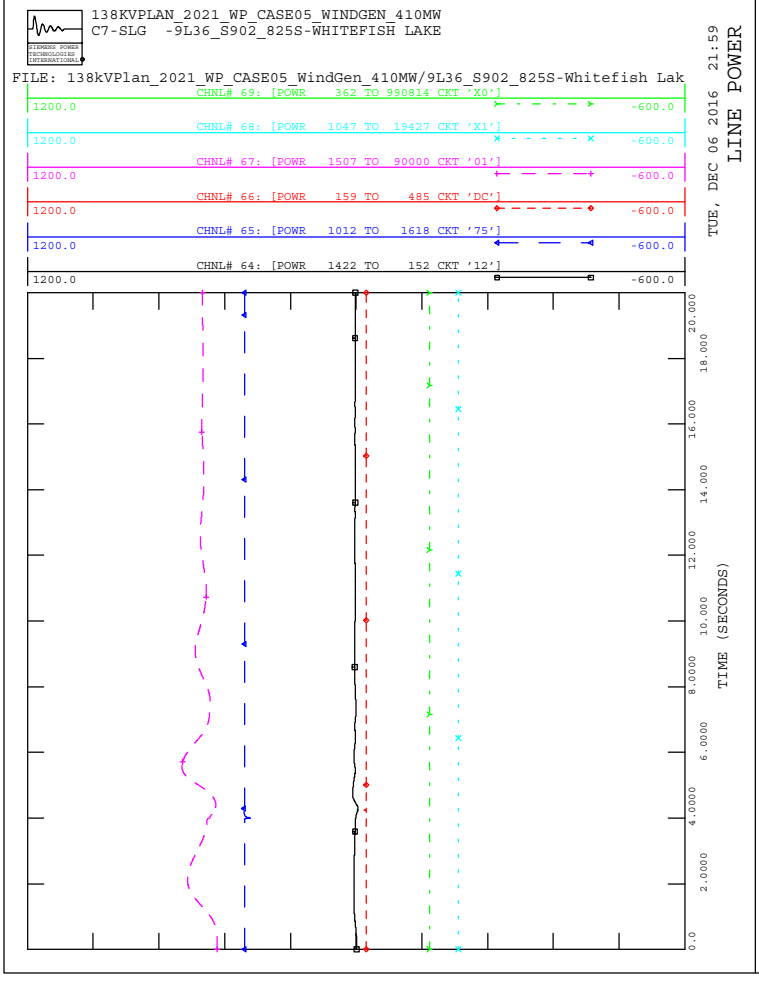
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S902_825S-Whitefish Lak
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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TUE, DEC 06 2016 21:59
LINE POWER
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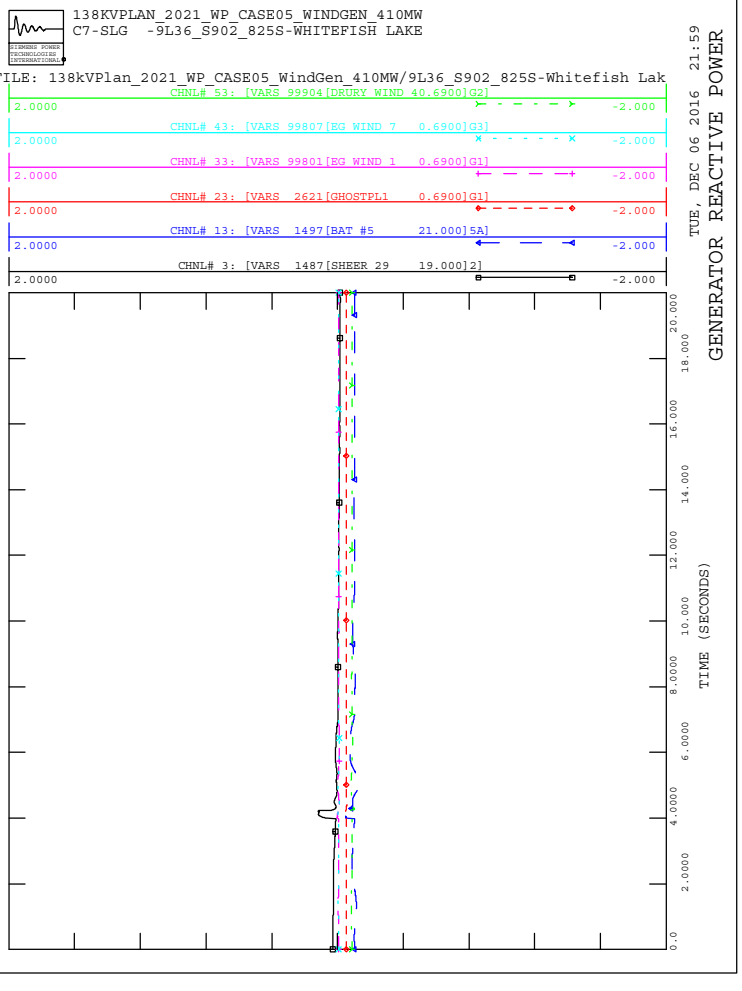
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S902_825S-Whitefish Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
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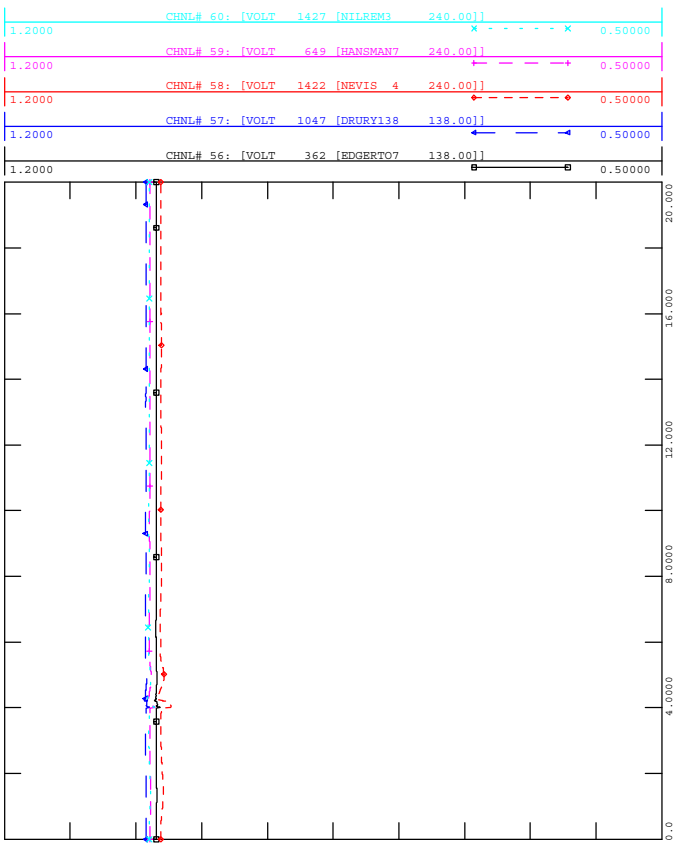
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S906_825S-Whitefish Lak

TUE, DEC 06 2016 21:59

BUS VOLTAGE



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C7-SLG -9L36_S906_825S-WHITEFISH LAKE

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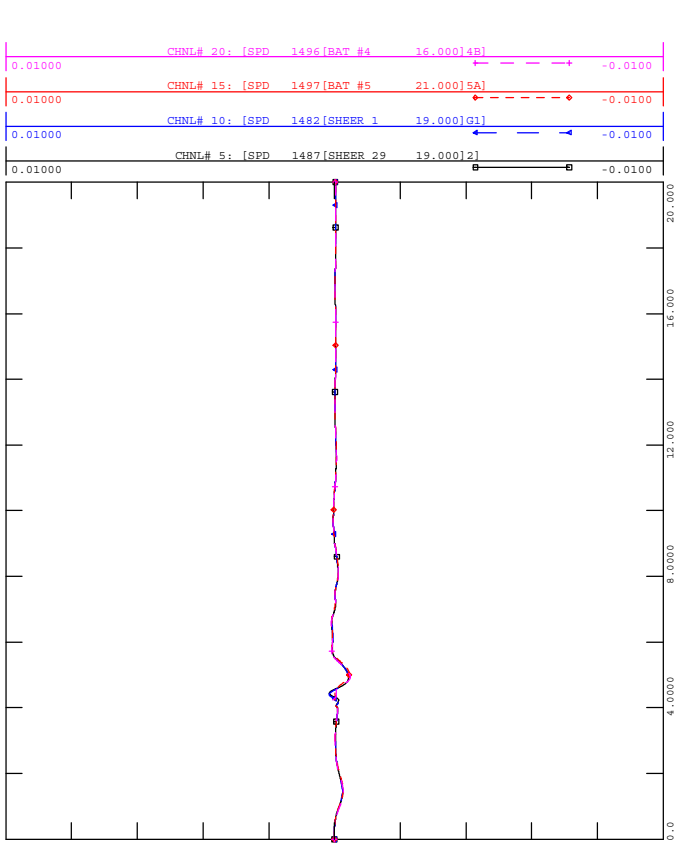
MACHINE SPEED



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C7-SLG -9L36_S906_825S-WHITEFISH LAKE

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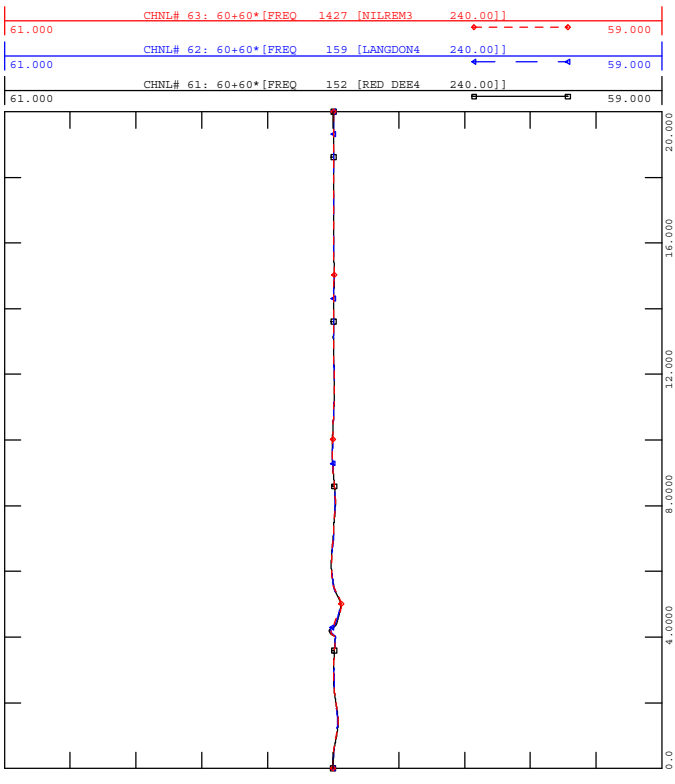
FREQUENCY



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C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S906_825S-Whitefish Lak

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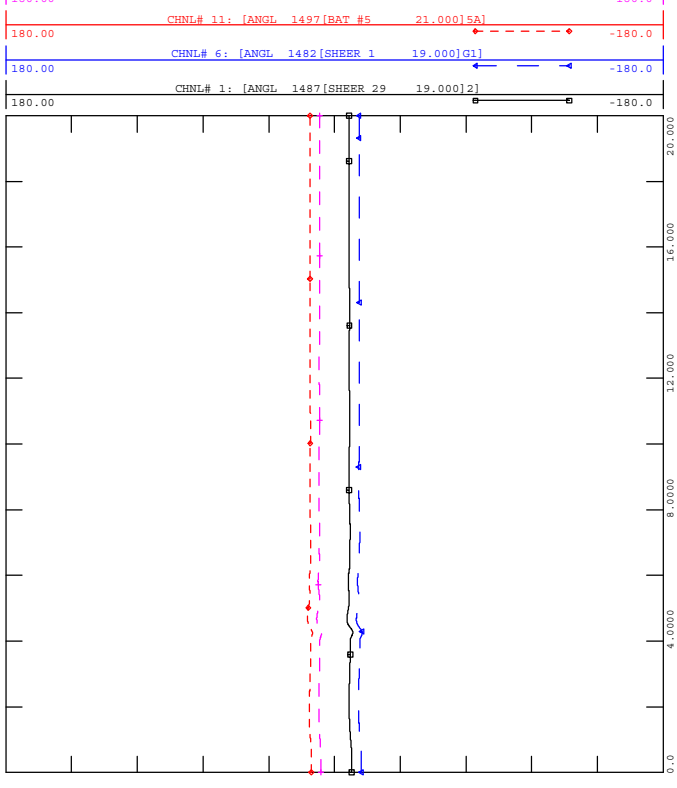
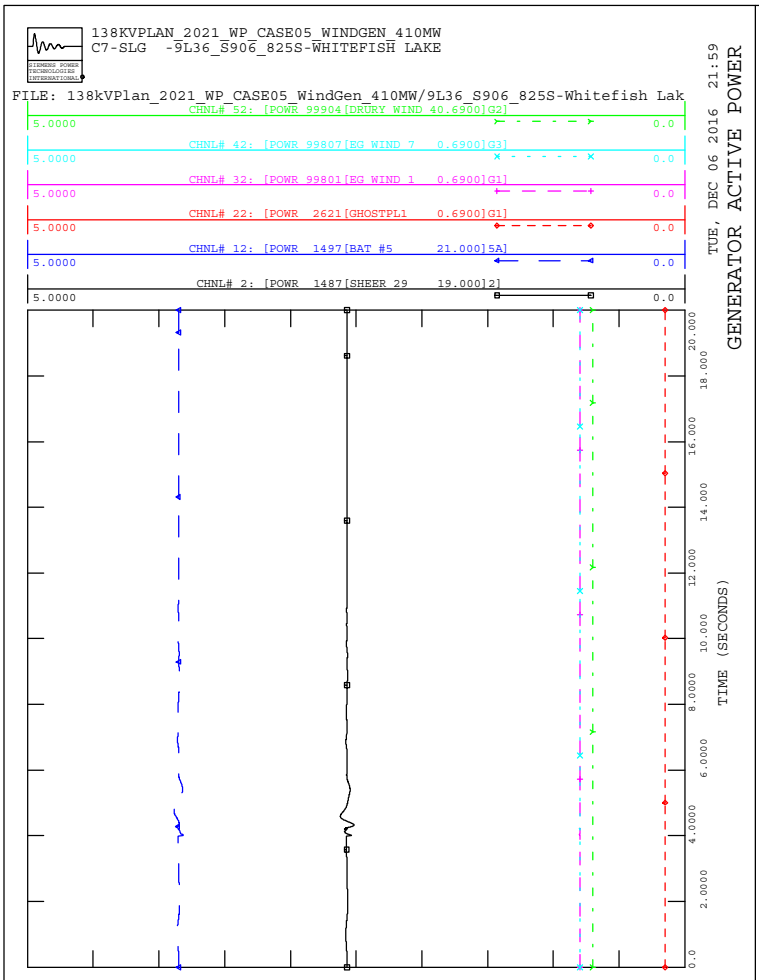
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S906_825S-Whitefish Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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0.0
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)
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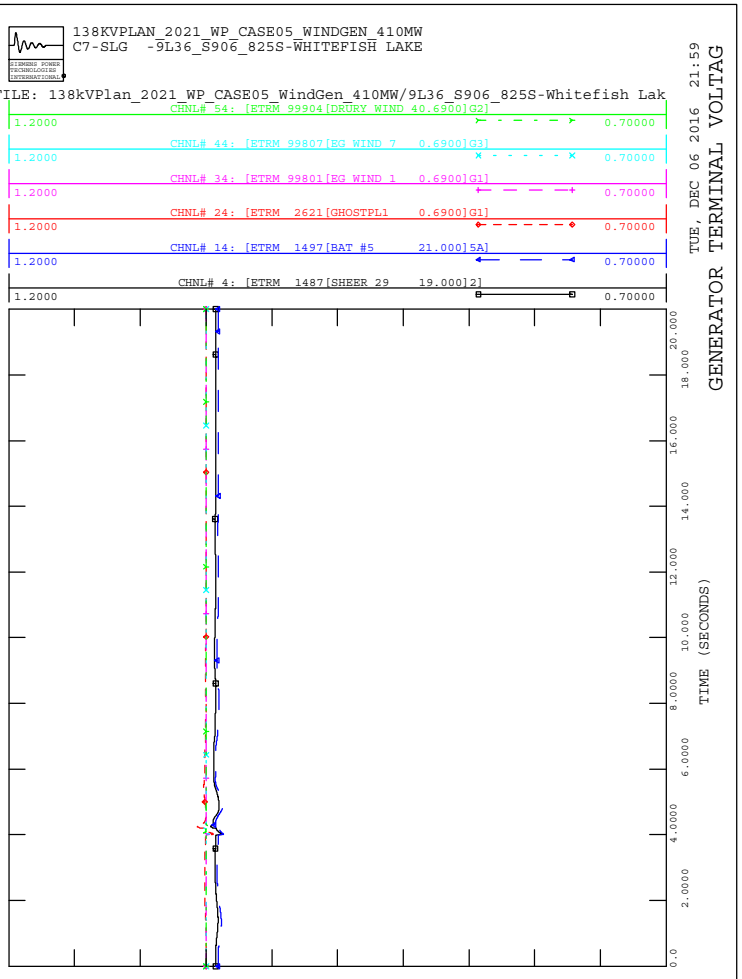
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S906_825S-Whitefish Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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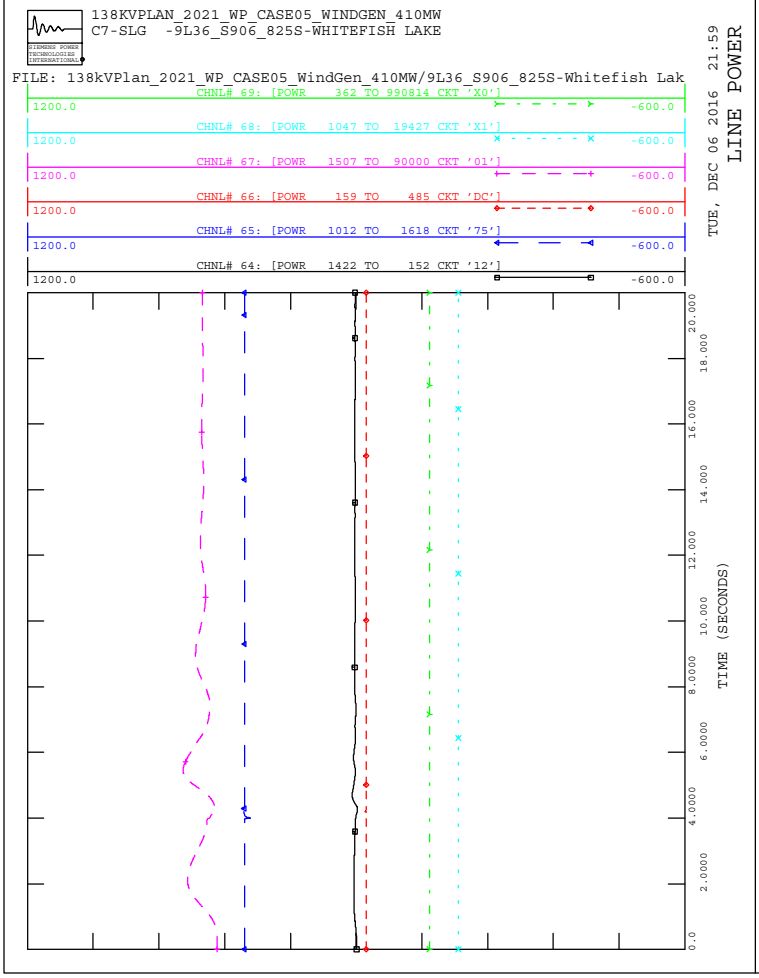
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S906_825S-Whitefish Lak
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)
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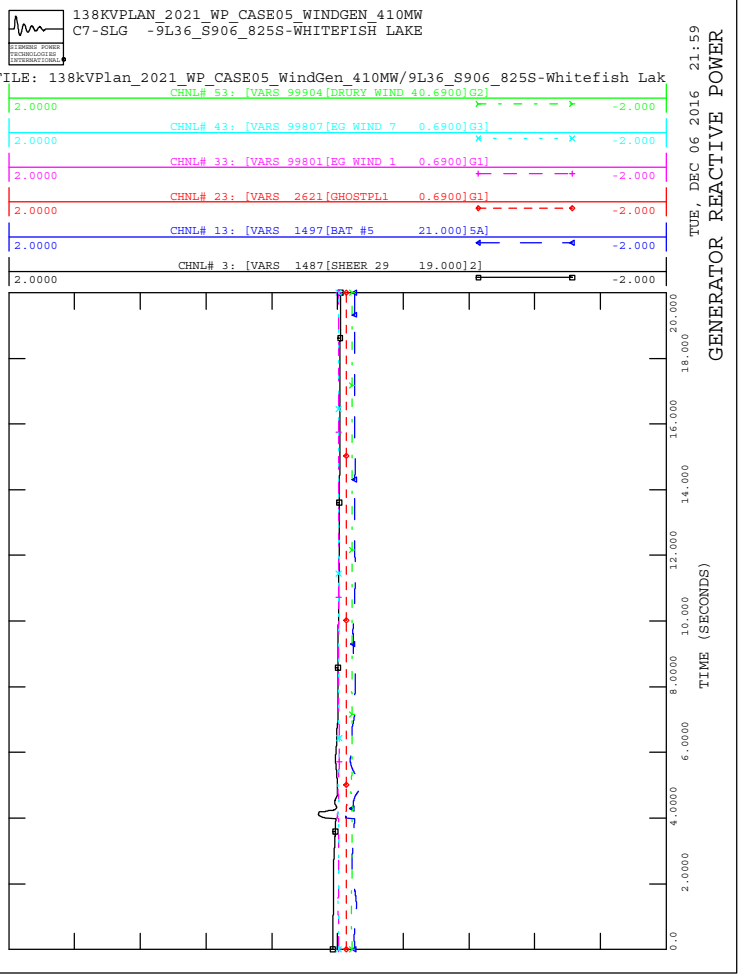
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C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L36_S906_825S-Whitefish Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)
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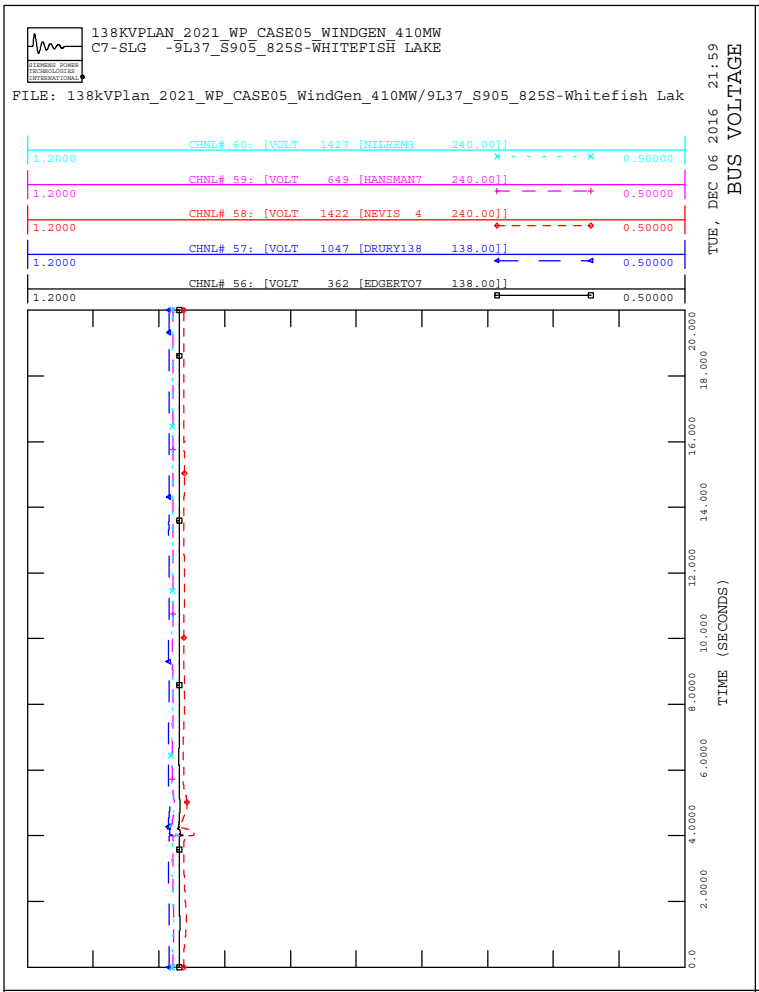
138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S905_825S-Whitefish Lak
TUE, DEC 06 2016 21:59
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.50000
TIME (SECONDS)
0.0
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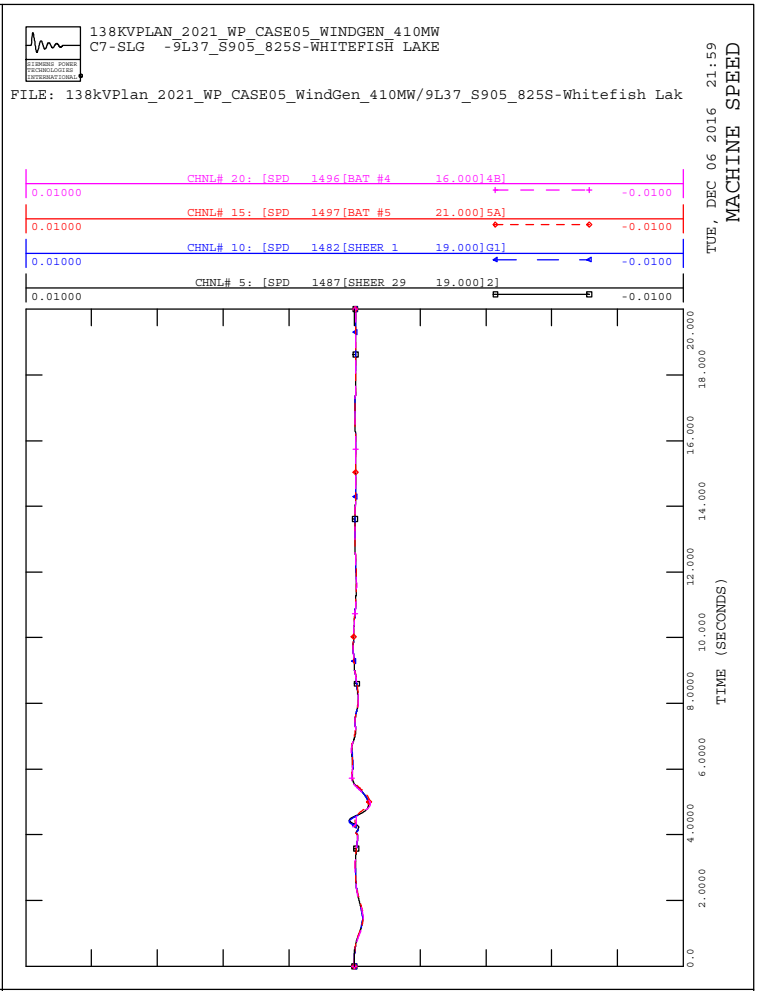
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S905_825S-Whitefish Lak
TUE, DEC 06 2016 21:59
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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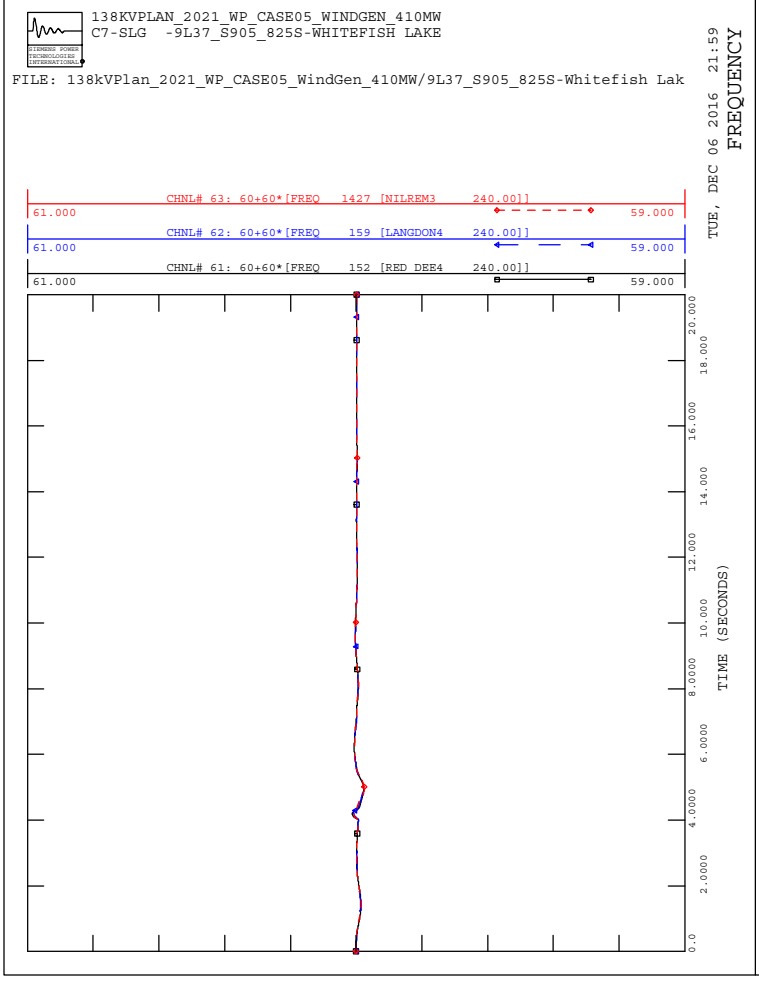
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S905_825S-Whitefish Lak
TUE, DEC 06 2016 21:59
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
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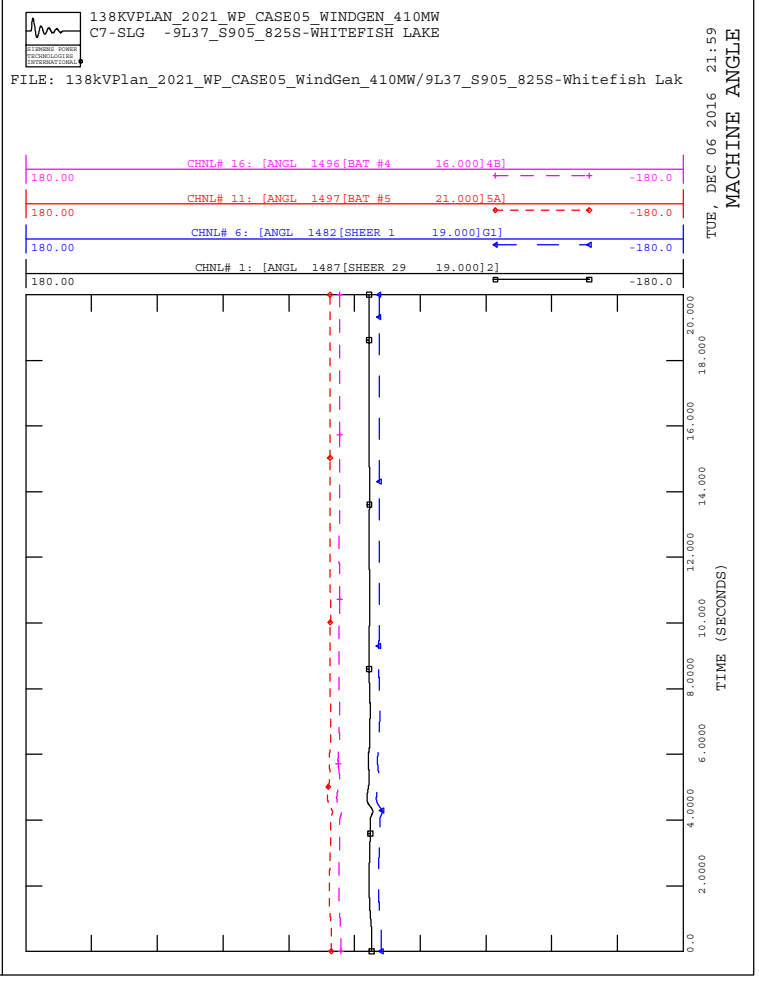
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S905_825S-Whitefish Lak
TUE, DEC 06 2016 21:59
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
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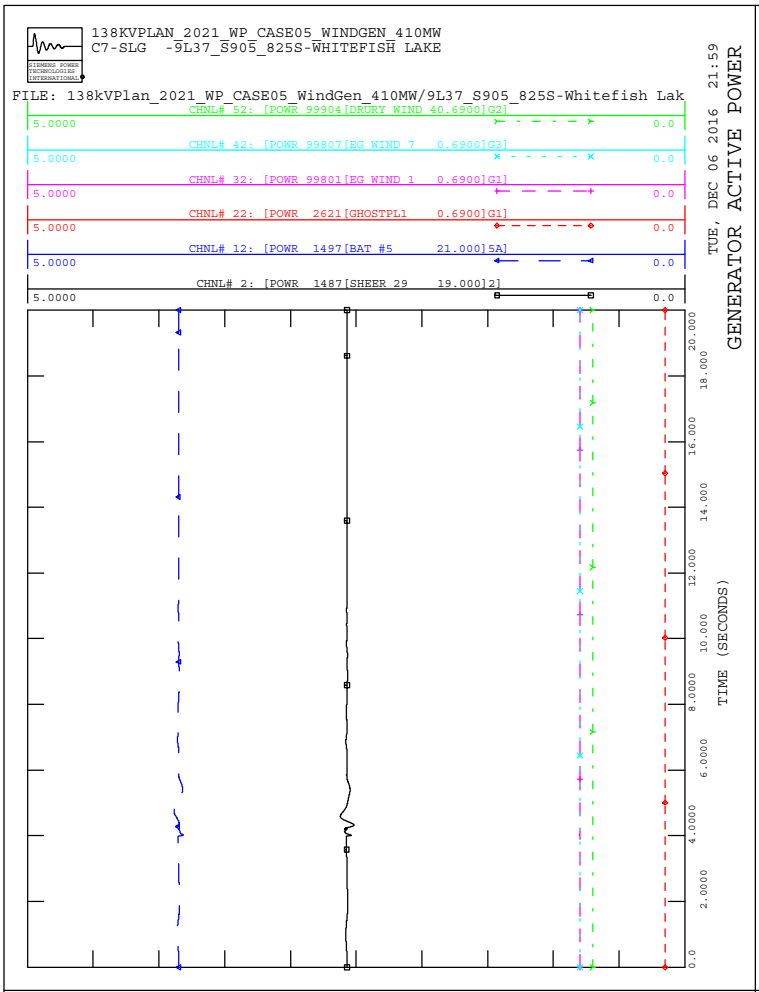
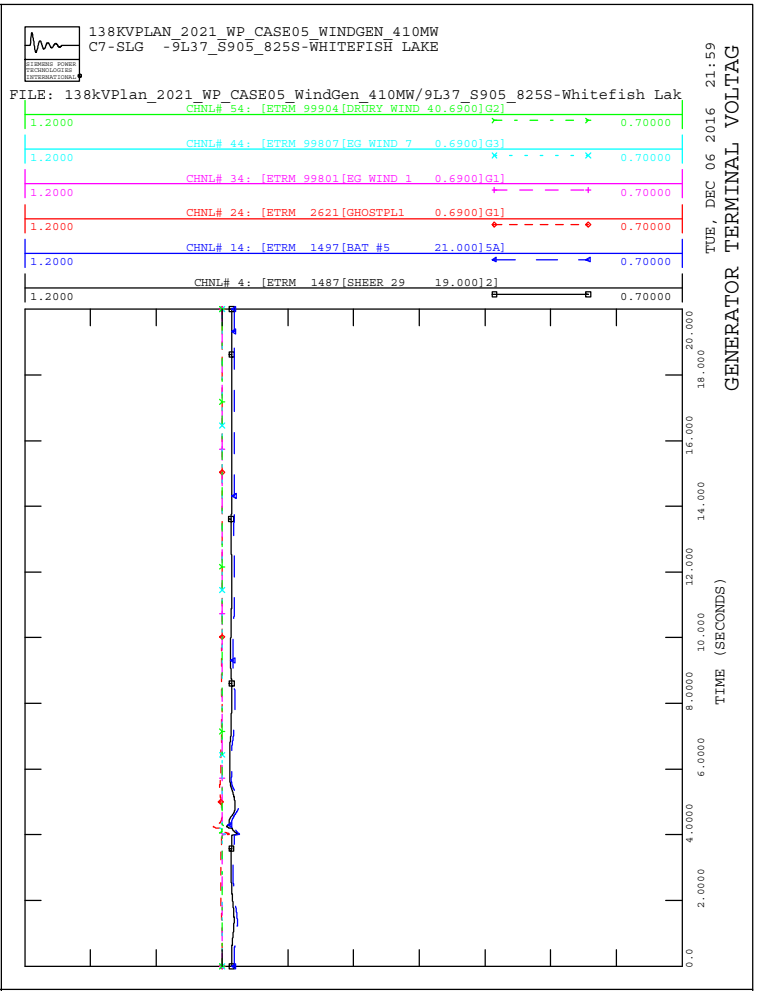
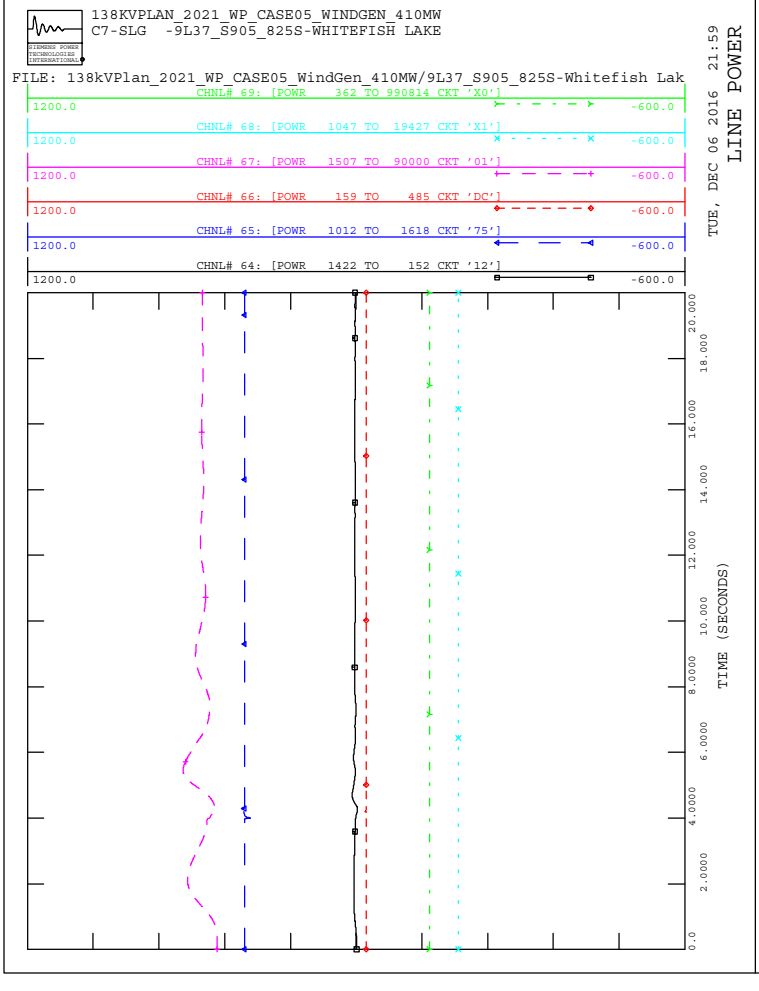
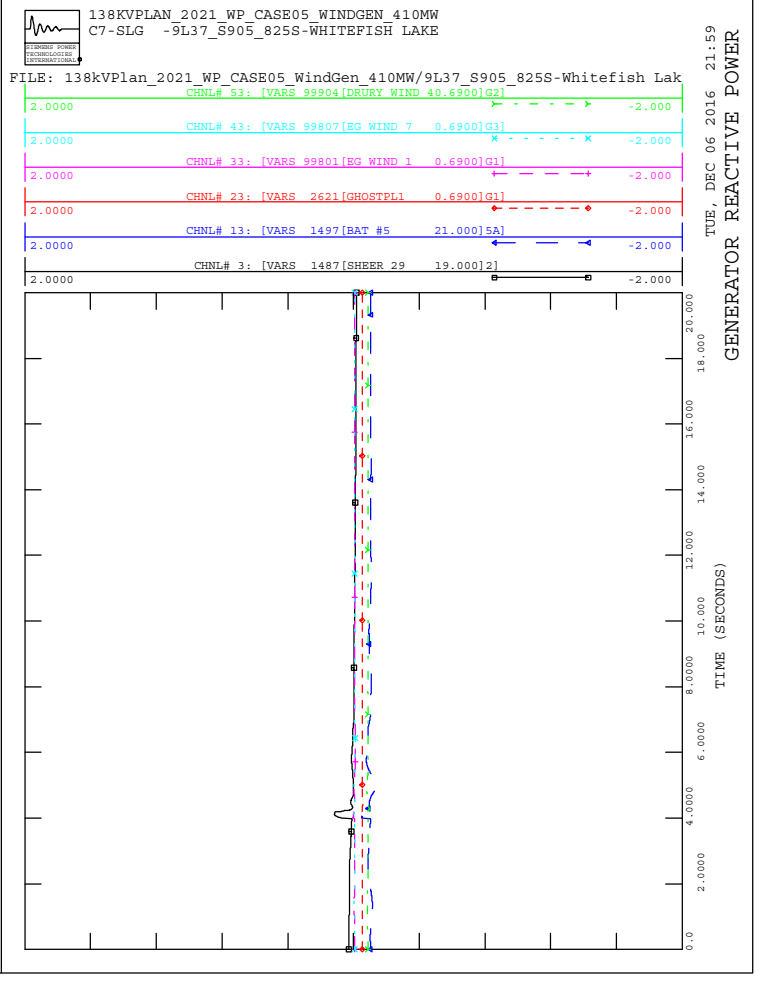
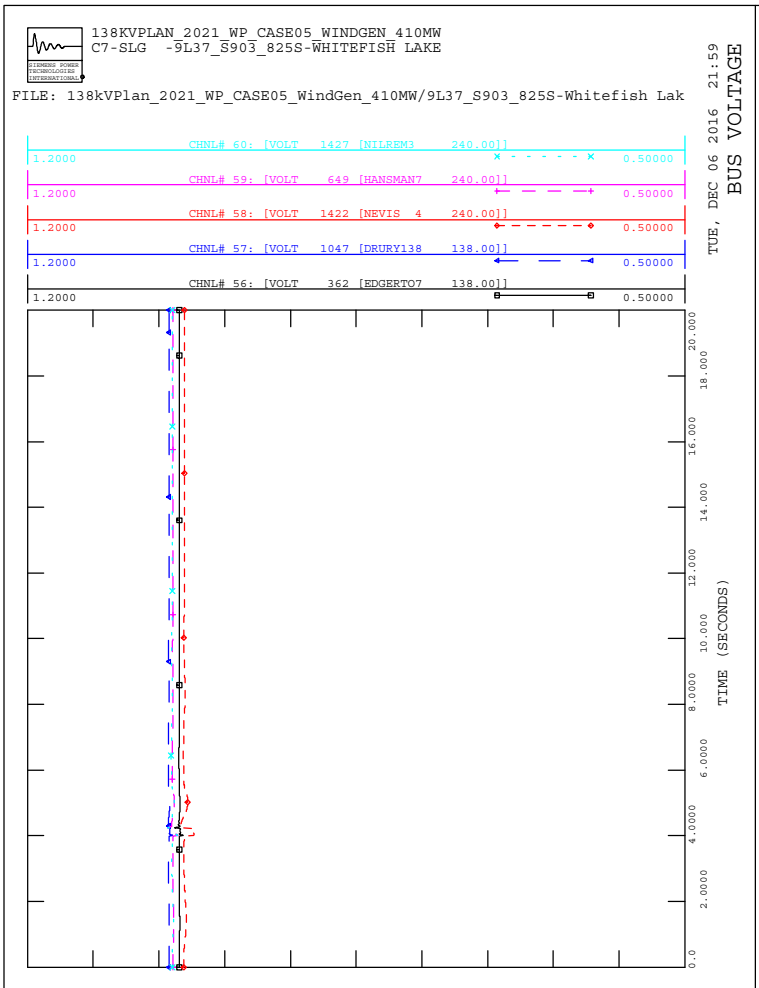
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S905_825S-Whitefish Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S905_825S-Whitefish Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S905_825S-Whitefish Lak
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S905_825S-Whitefish Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S903_825S-Whitefish Lak
TUE, DEC 06 2016 21:59
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.50000
TIME (SECONDS)
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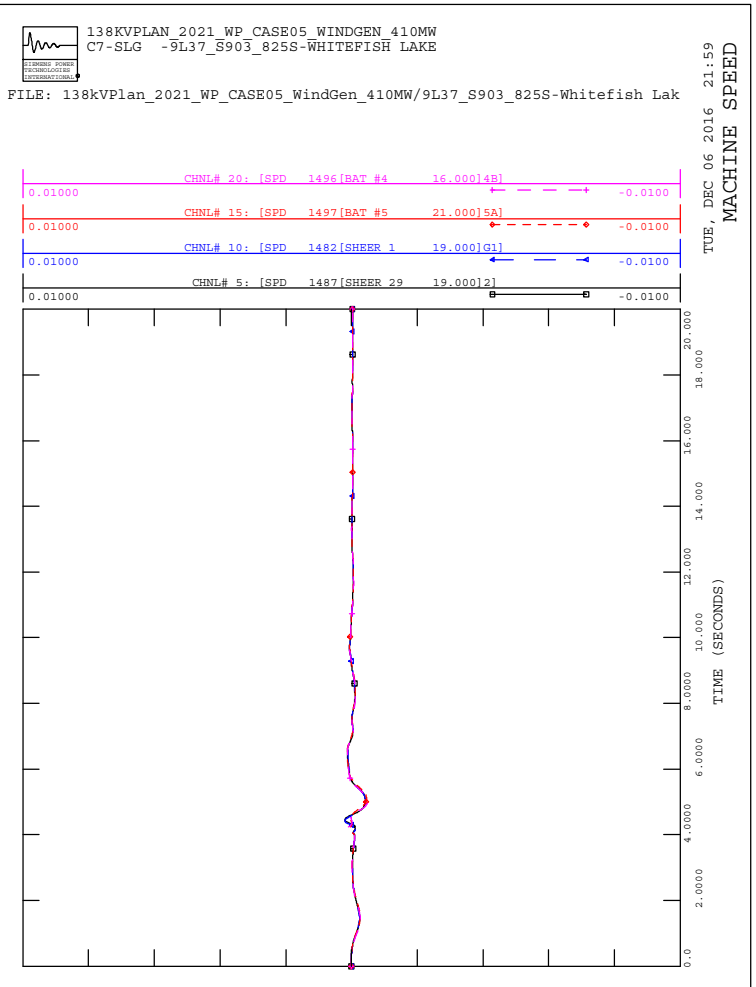
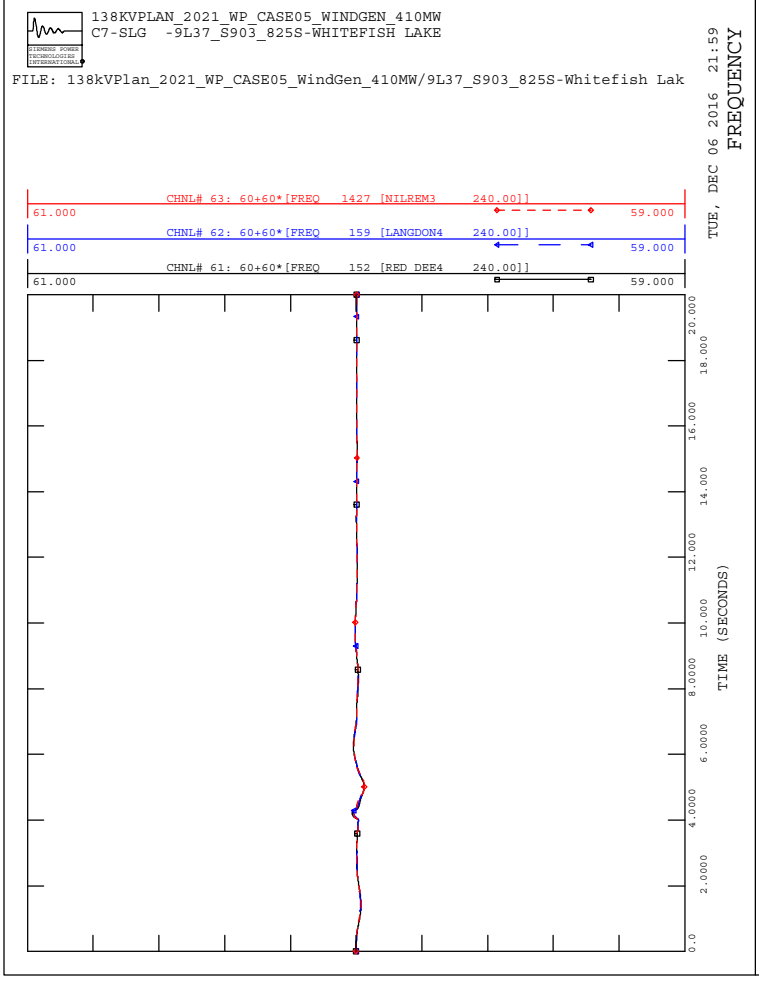
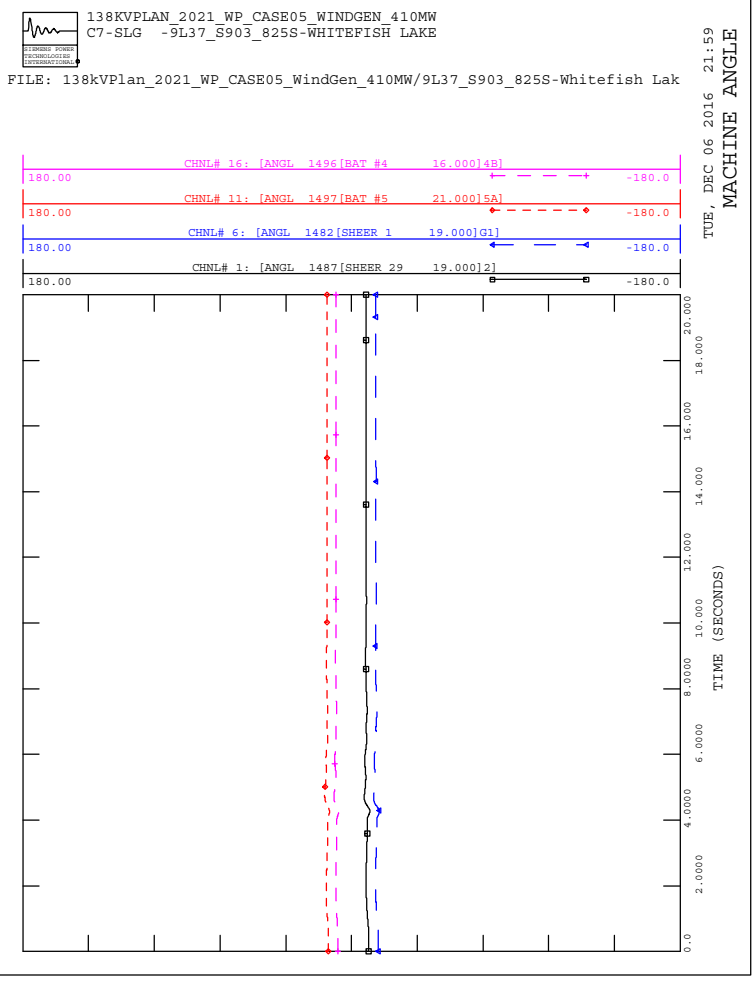
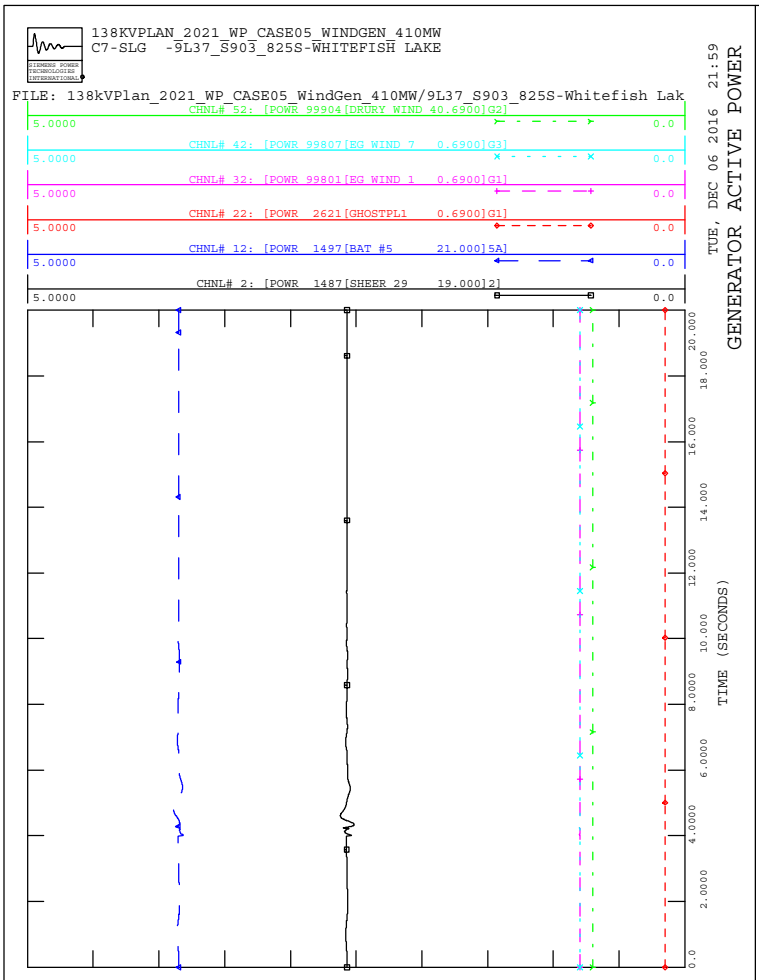
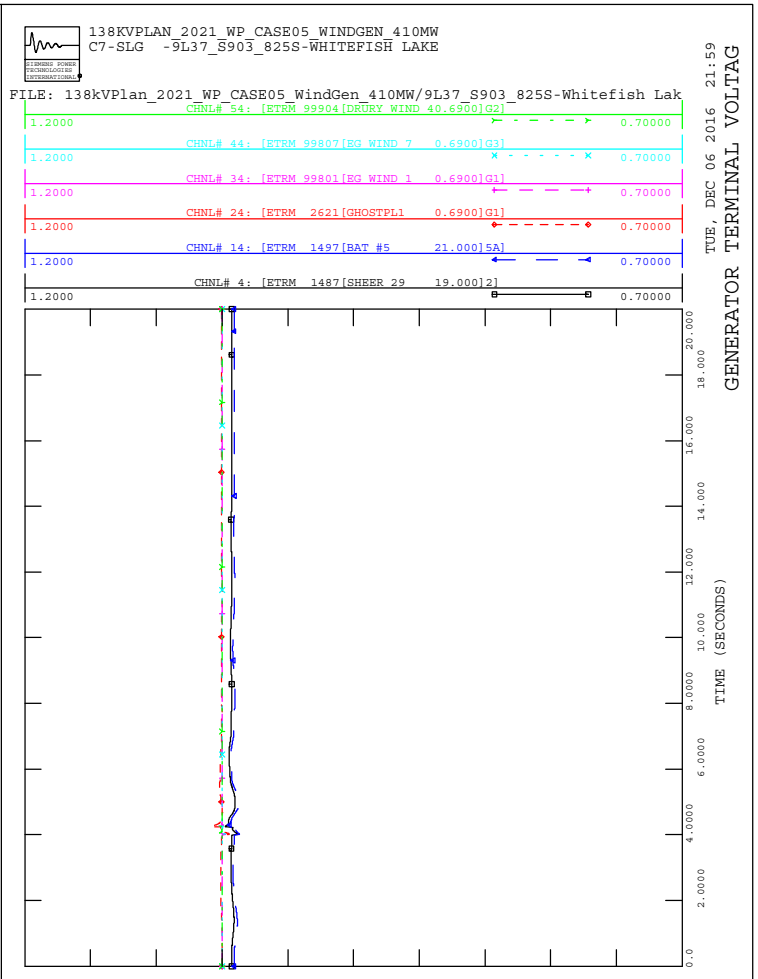
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

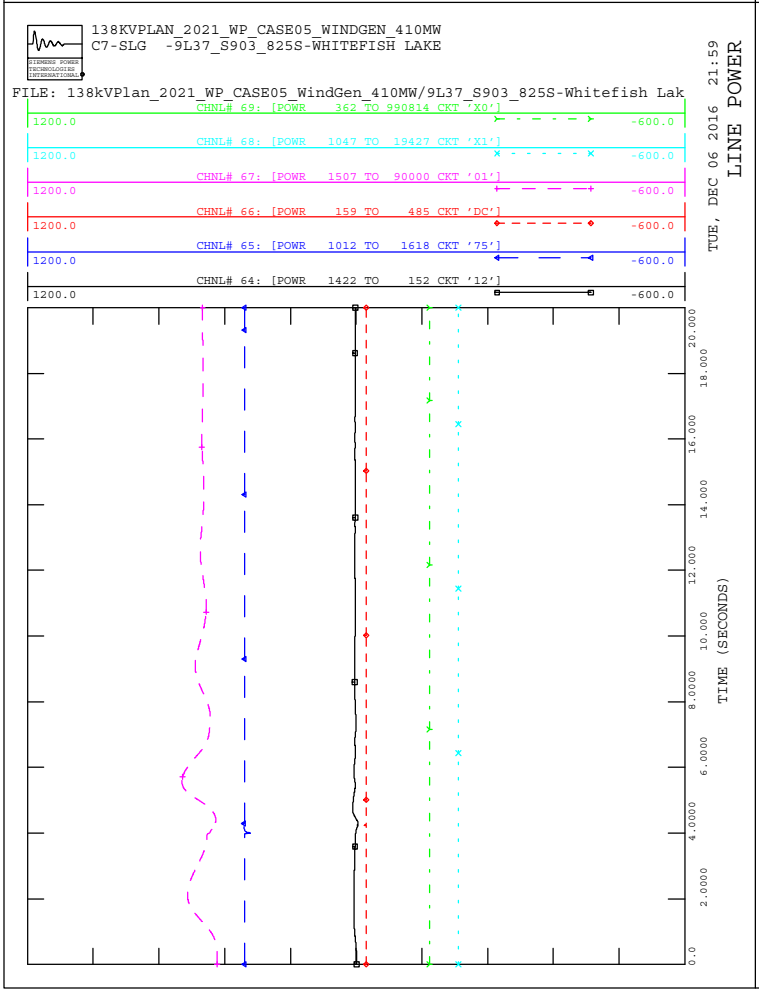

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S903_825S-Whitefish Lak
TUE, DEC 06 2016 21:59
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

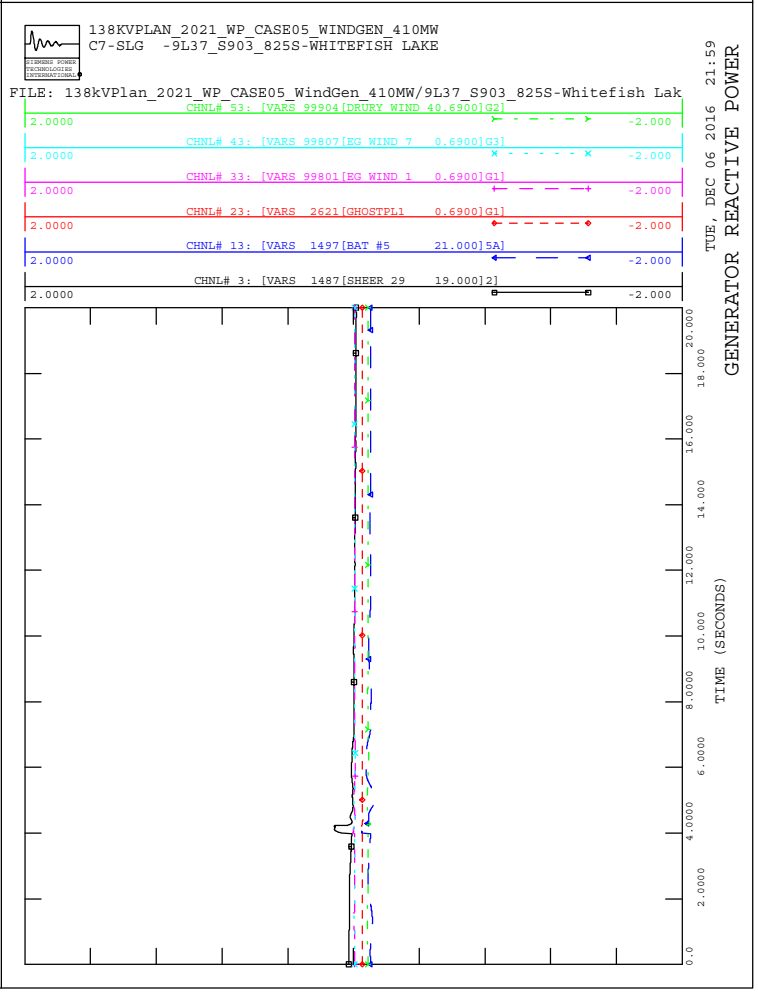

138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S903_825S-Whitefish Lak
TUE, DEC 06 2016 21:59
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S903_825S-Whitefish Lak
TUE, DEC 06 2016 21:59
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S903_825S-Whitefish Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S903_825S-Whitefish Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S903_825S-Whitefish Lak
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 21:59
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_410MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE
FILE: 138kVPlan_2021_WP_CASE05_WindGen_410MW/9L37_S903_825S-Whitefish Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 21:59
GENERATOR REACTIVE POWER
TIME (SECONDS)

Transient Stability Analysis Plots

Alternative 1-138 kV Plan

2021 Summer Light

Sensitivity Scenario: 520 MW Drury+Edgerton Wind Generation

Category B (Three-phase-to-ground Fault)

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 22:11

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 22:11

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 22:11

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

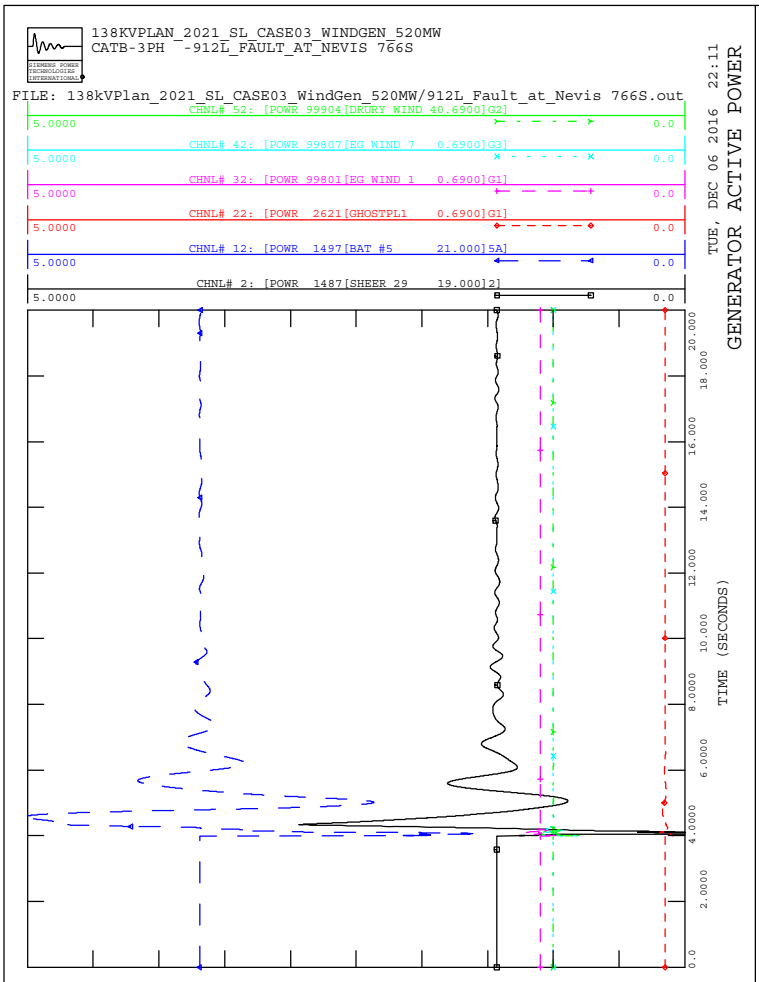
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Nevis 766S.out

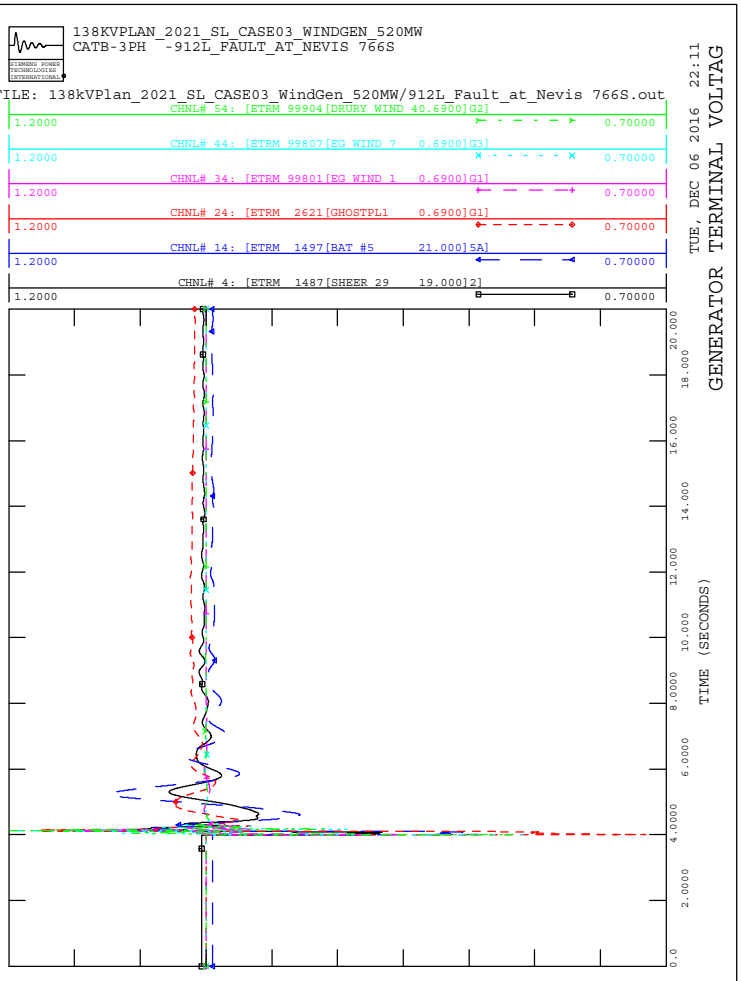
TUE, DEC 06 2016 22:11

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 22:11
GENERATOR ACTIVE POWER


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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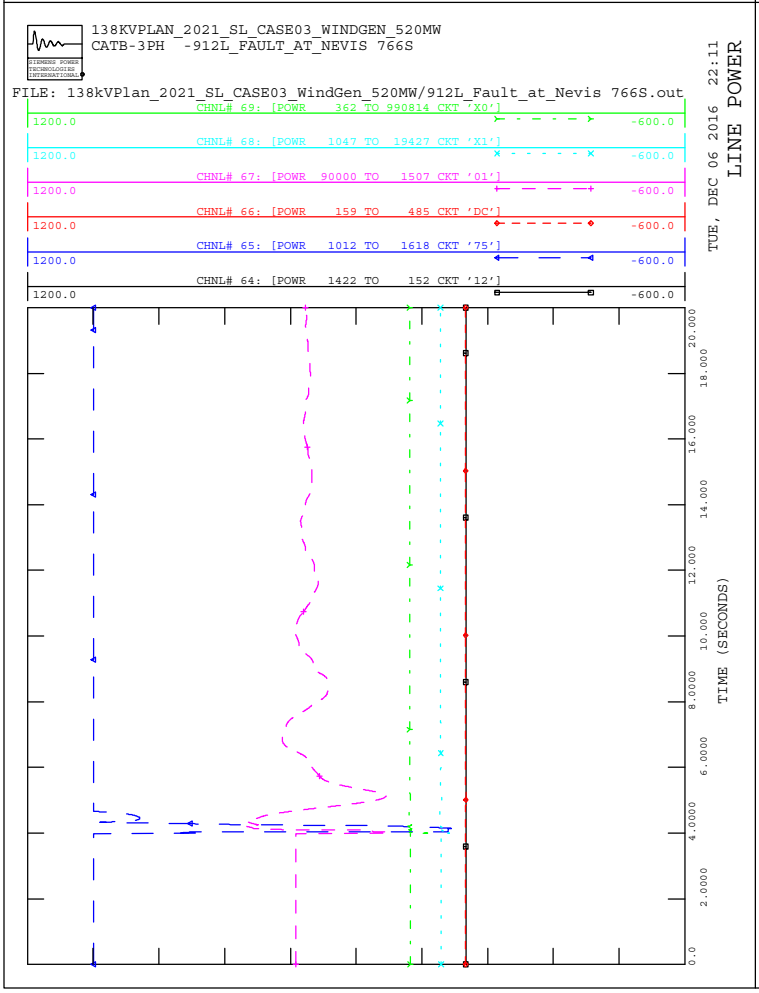
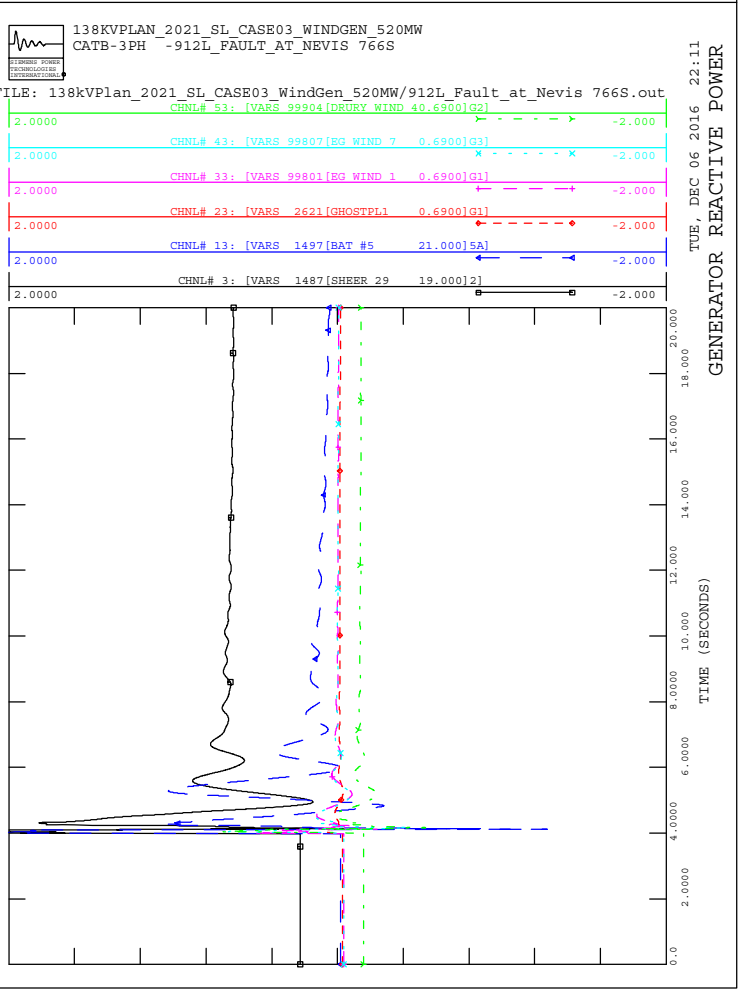
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 22:11
GENERATOR TERMINAL VOLTAG


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 22:11
LINE POWER

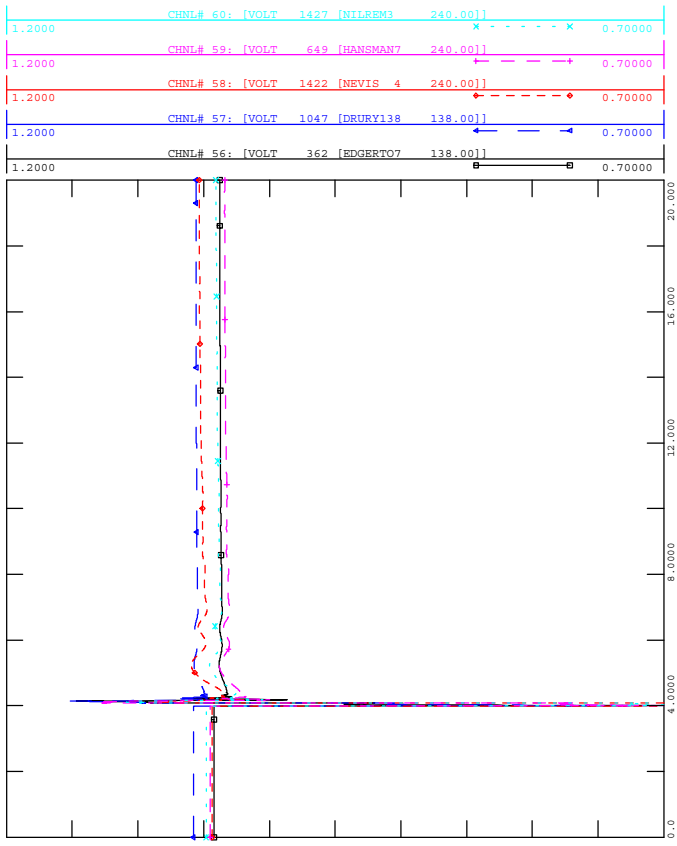

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, DEC 06 2016 22:11
GENERATOR REACTIVE POWER

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 22:11

BUS VOLTAGE

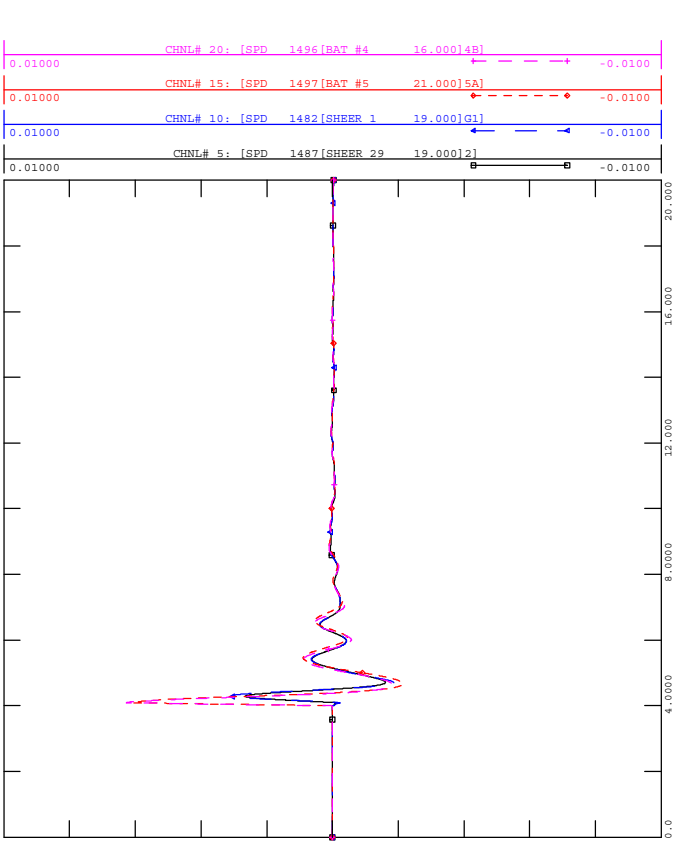


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 22:11

MACHINE SPEED

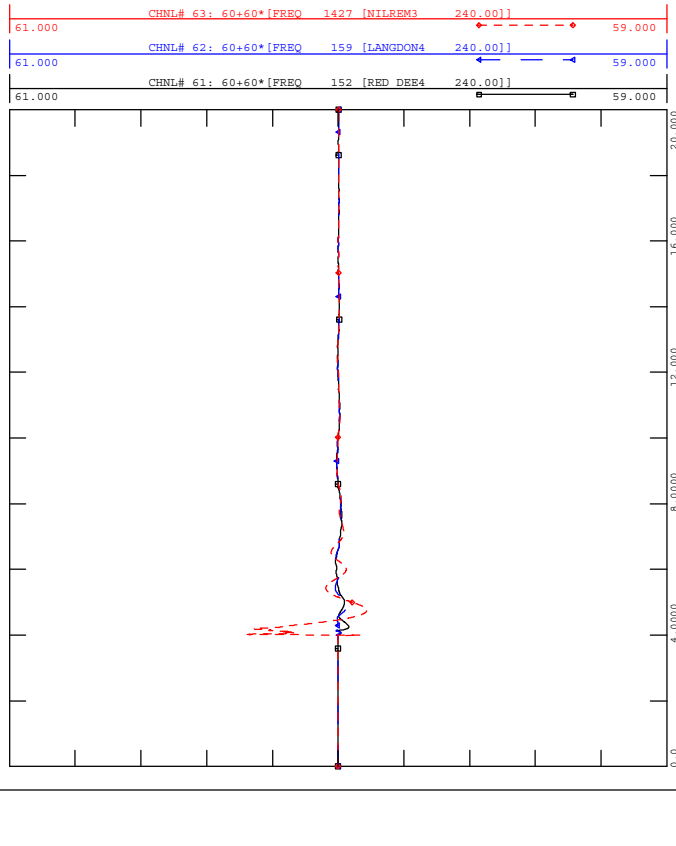


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 22:11

FREQUENCY

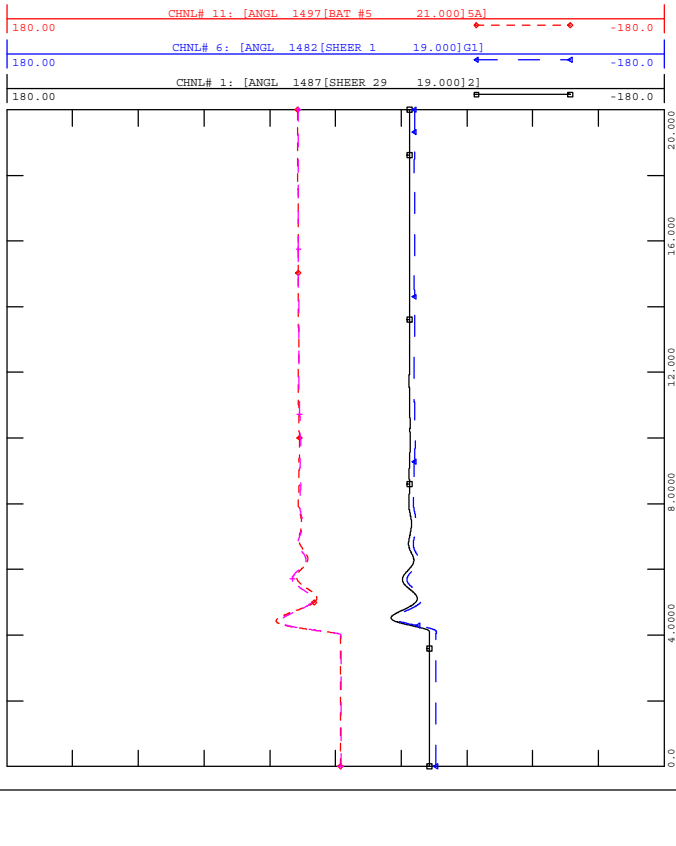


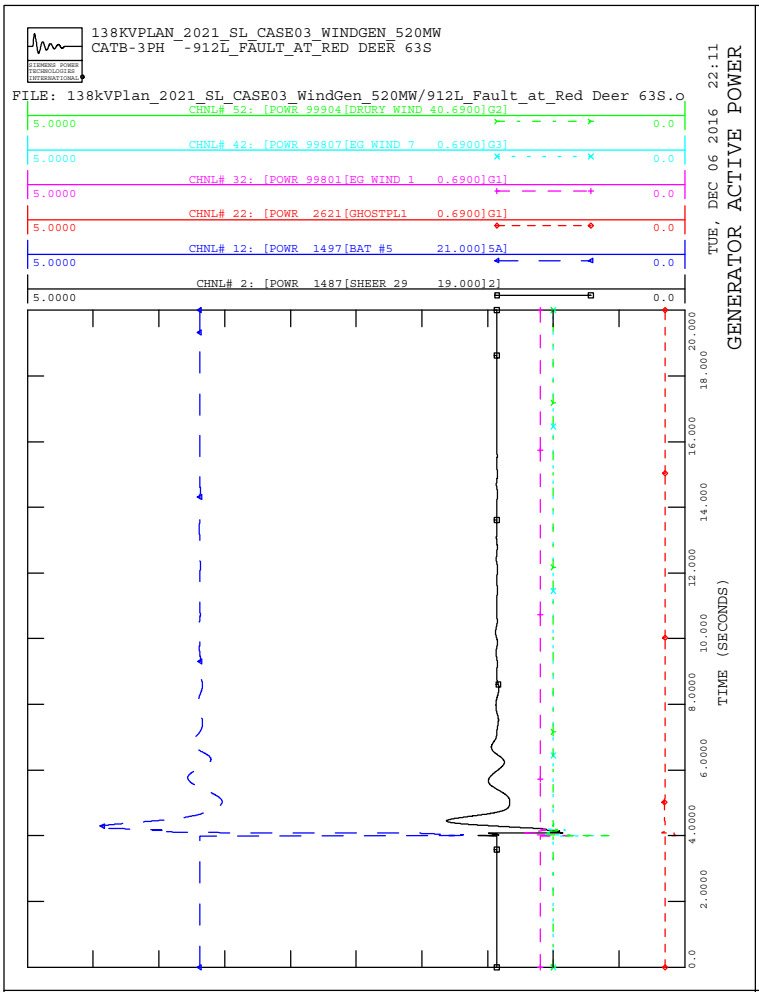
138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 22:11

MACHINE ANGLE

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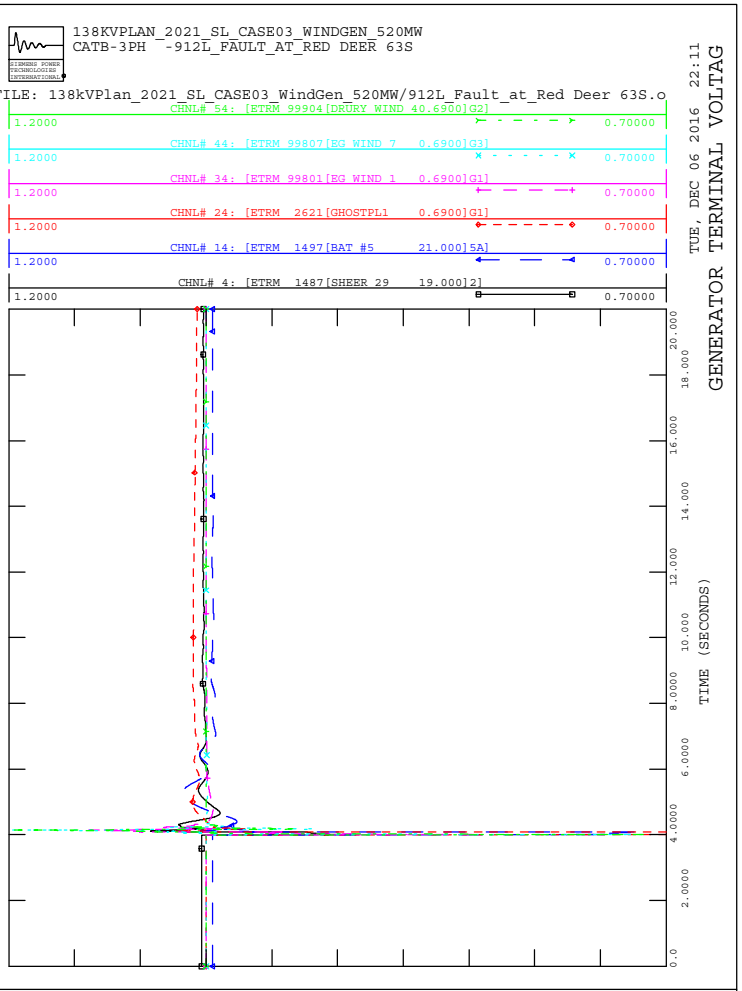
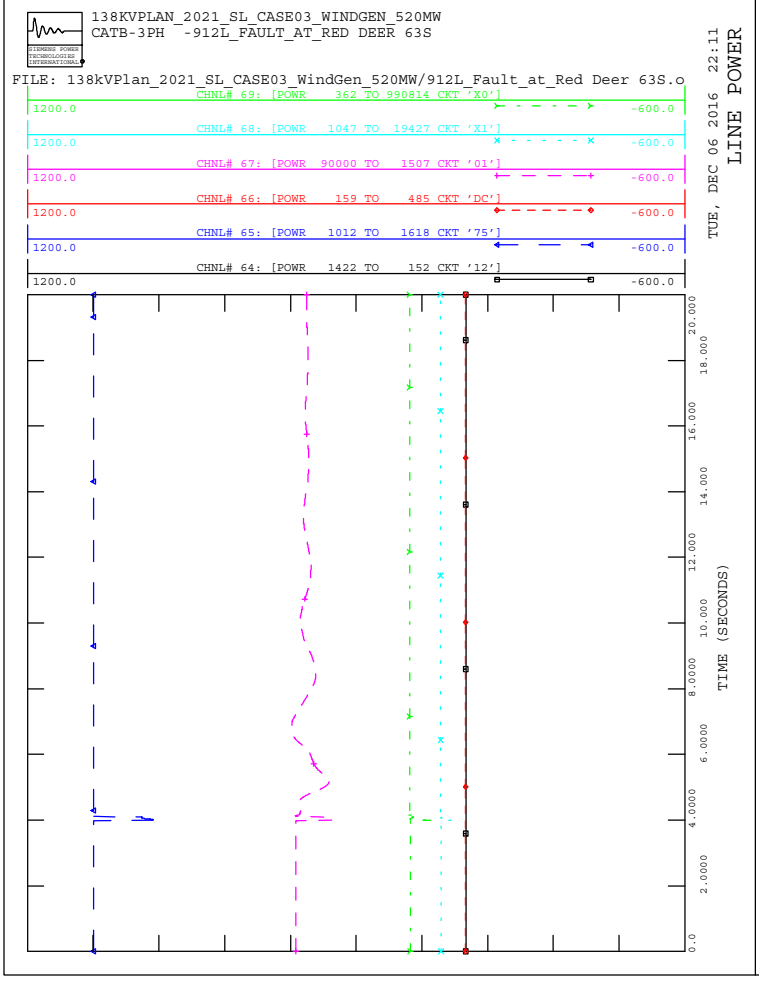
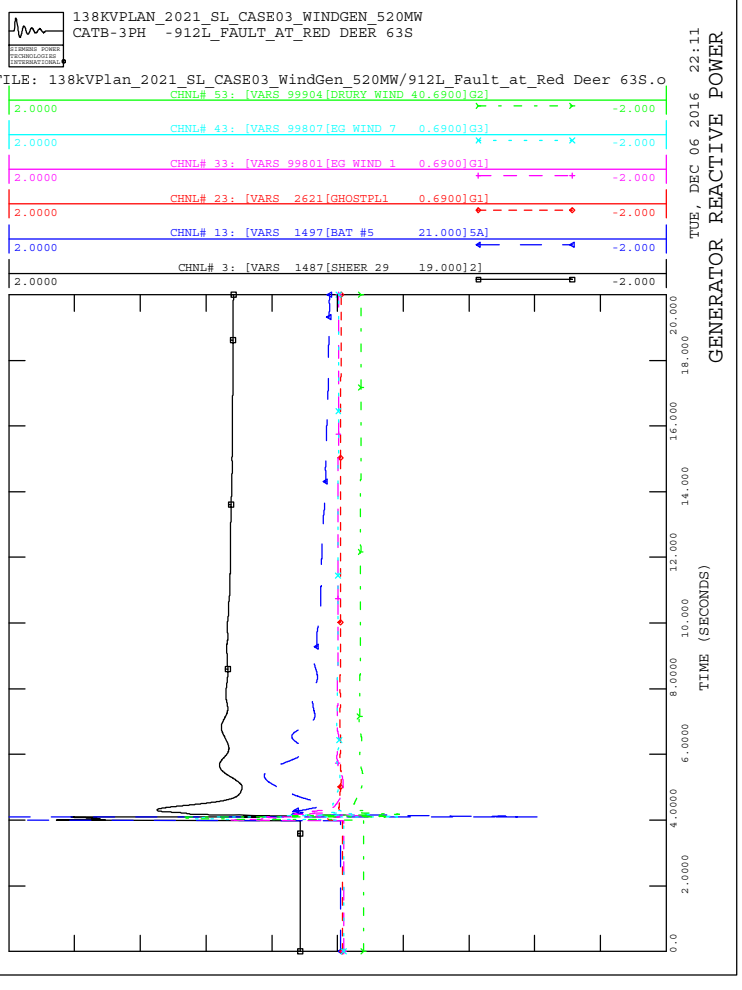
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Red Deer 63S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Red Deer 63S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Red Deer 63S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 22:11
LINE POWER
TIME (SECONDS)

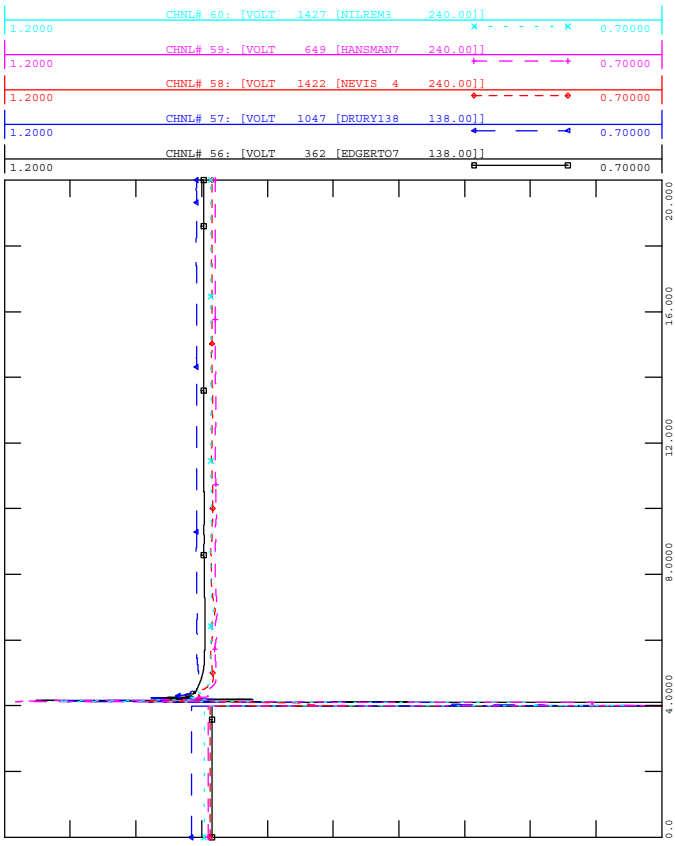

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/912L_Fault_at_Red Deer 63S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

BUS VOLTAGE

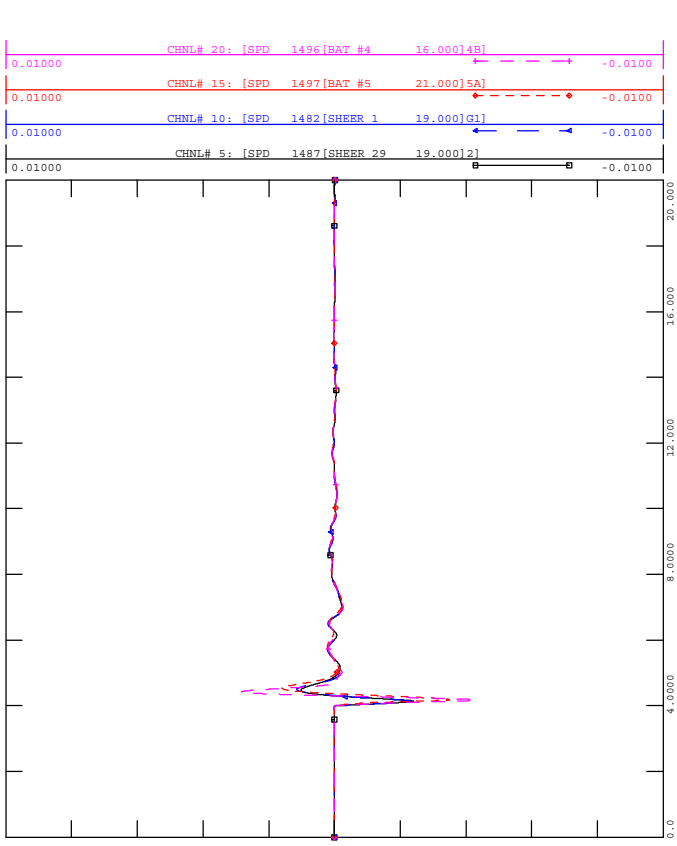


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

MACHINE SPEED

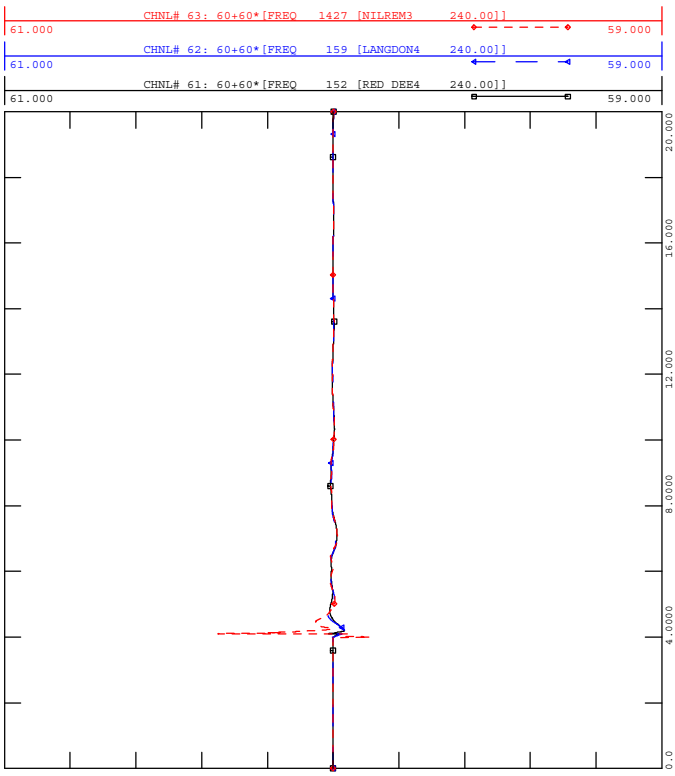


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

FREQUENCY

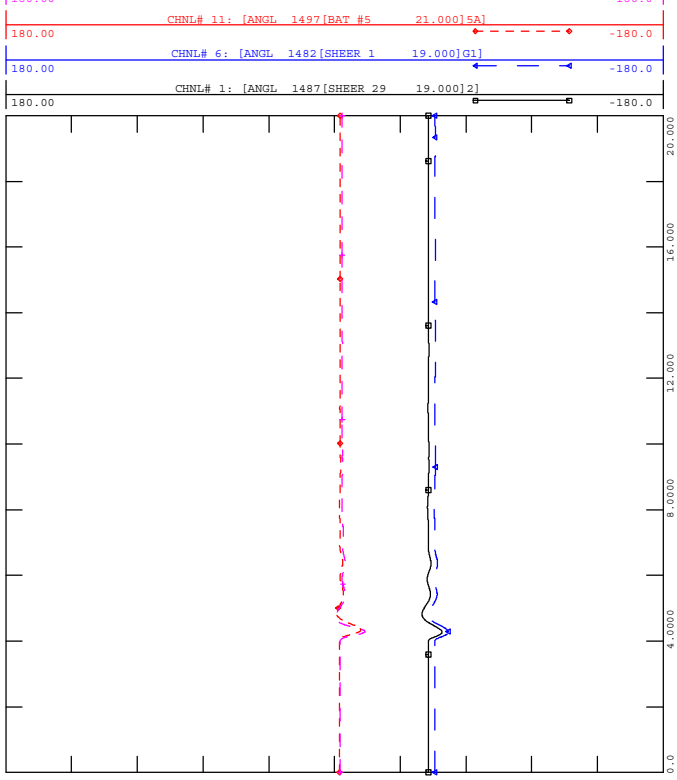


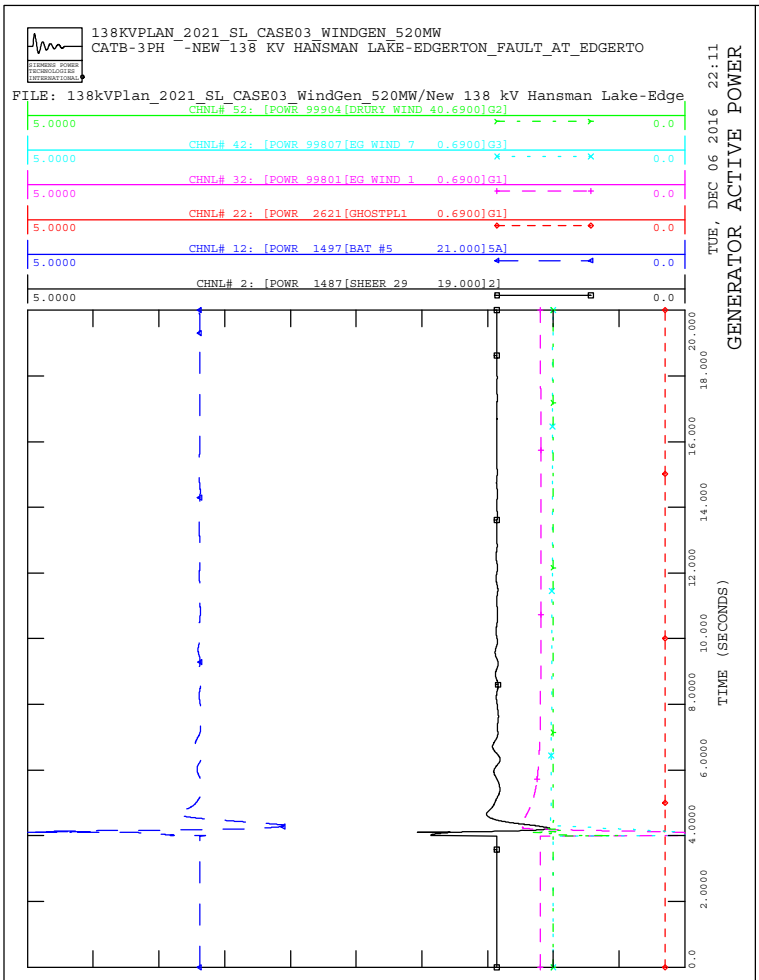
138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

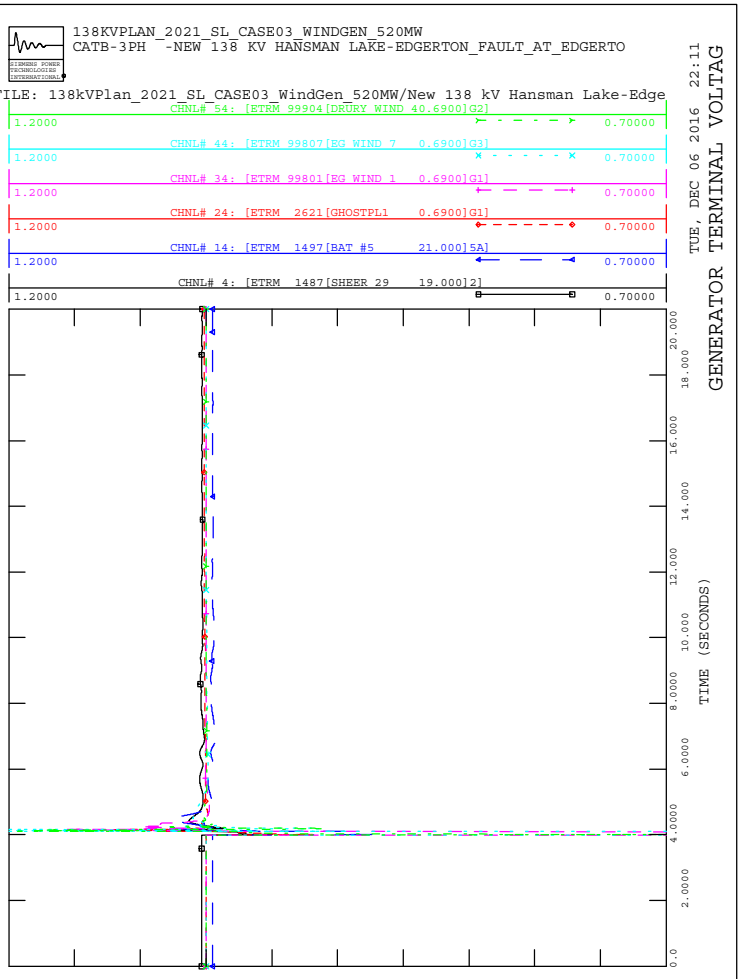
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 22:11
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 22:11
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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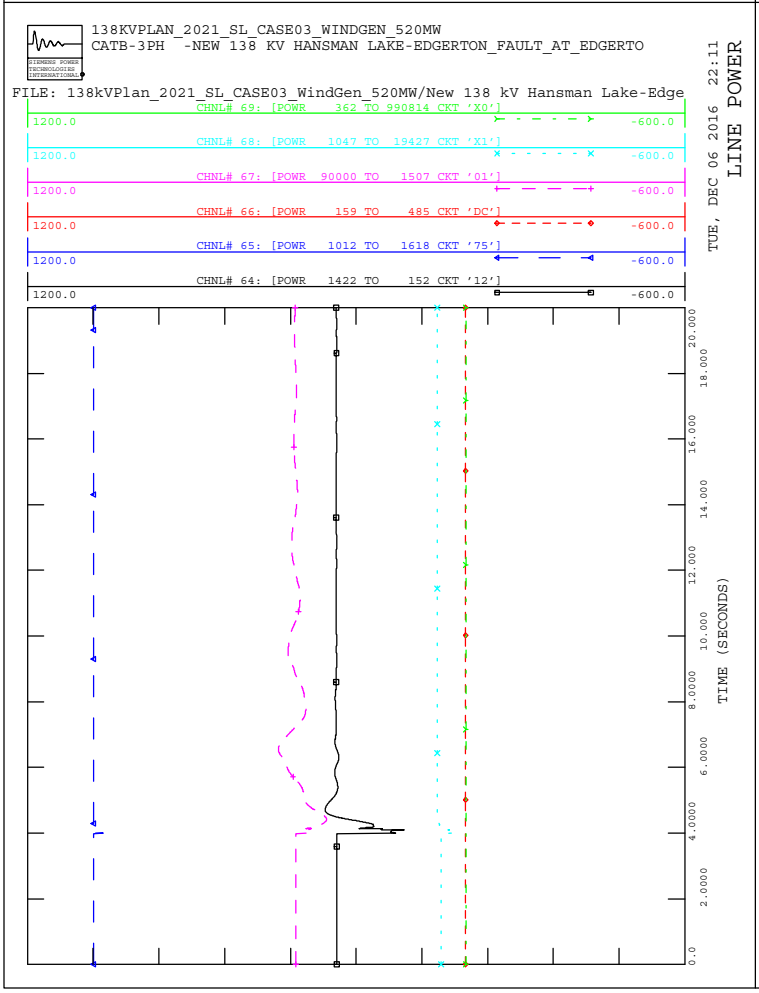
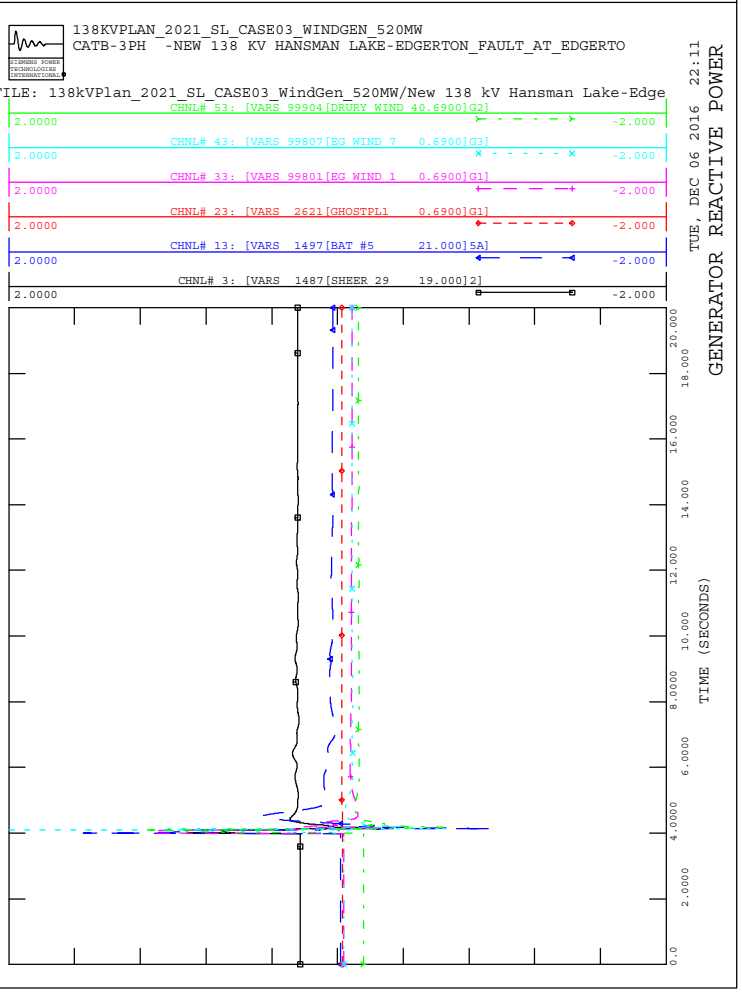
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 22:11
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

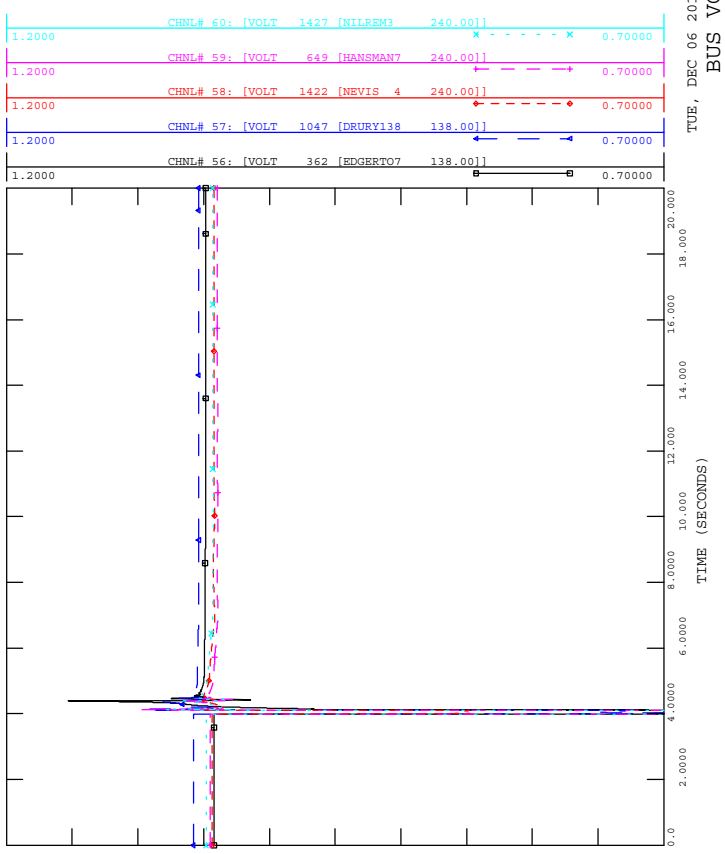

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 22:11
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

BUS VOLTAGE

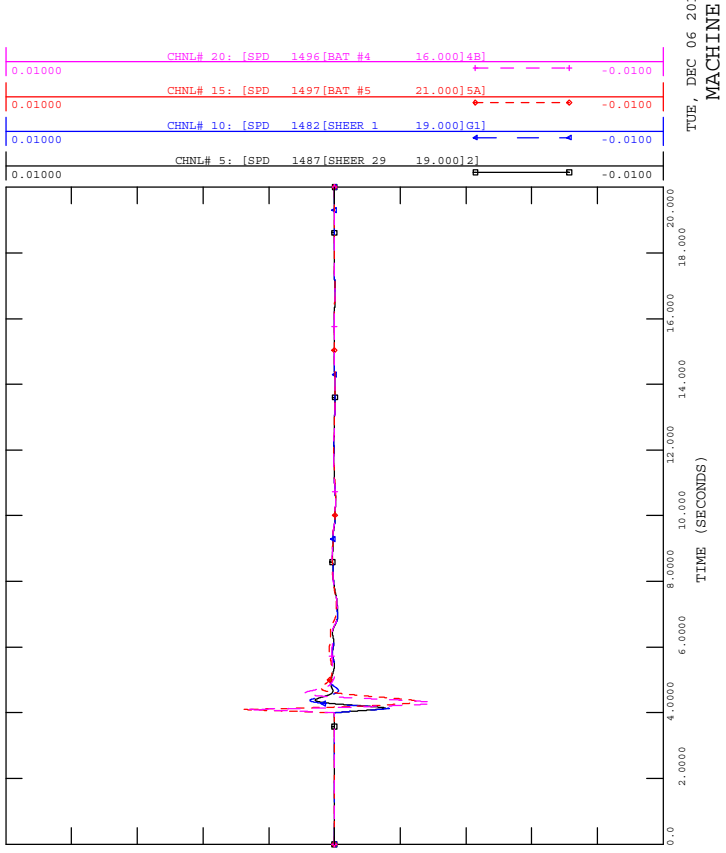


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

MACHINE SPEED

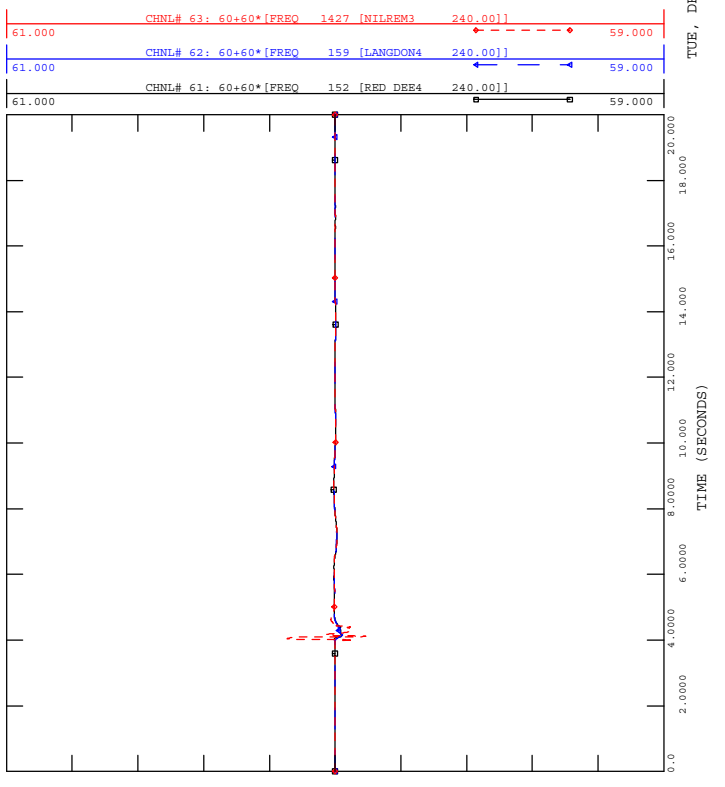


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

FREQUENCY

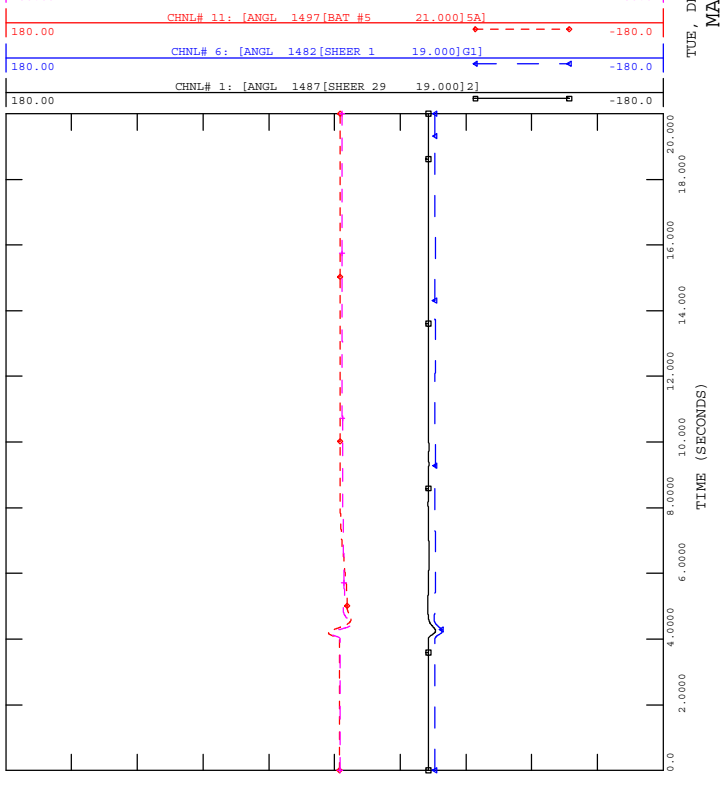


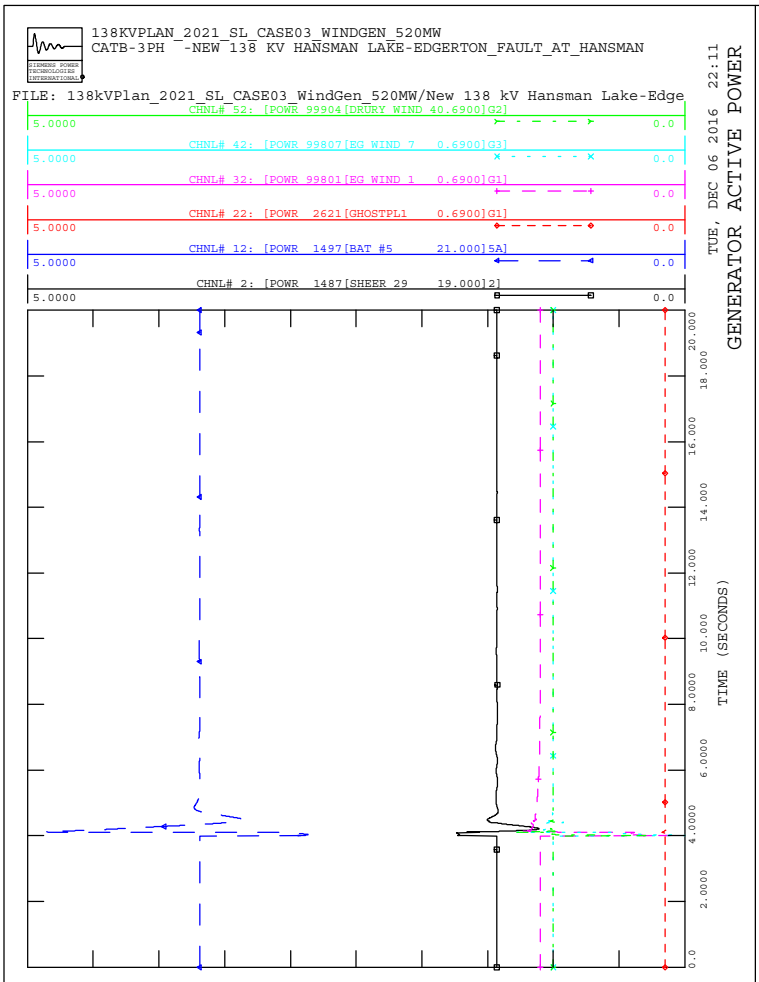
138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

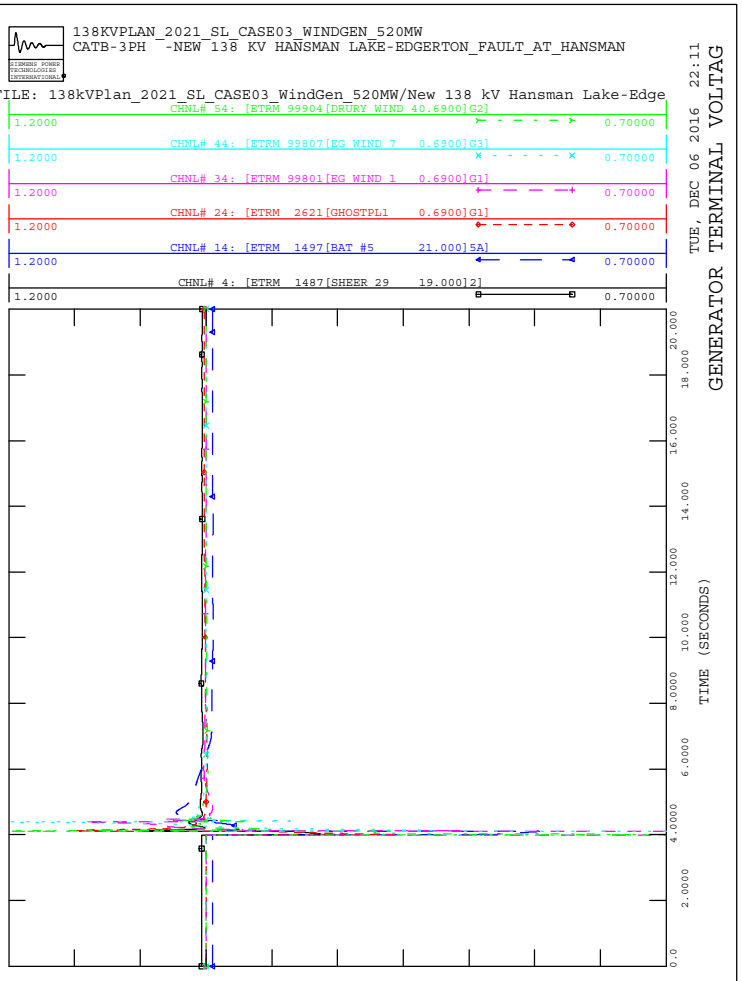
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 22:11
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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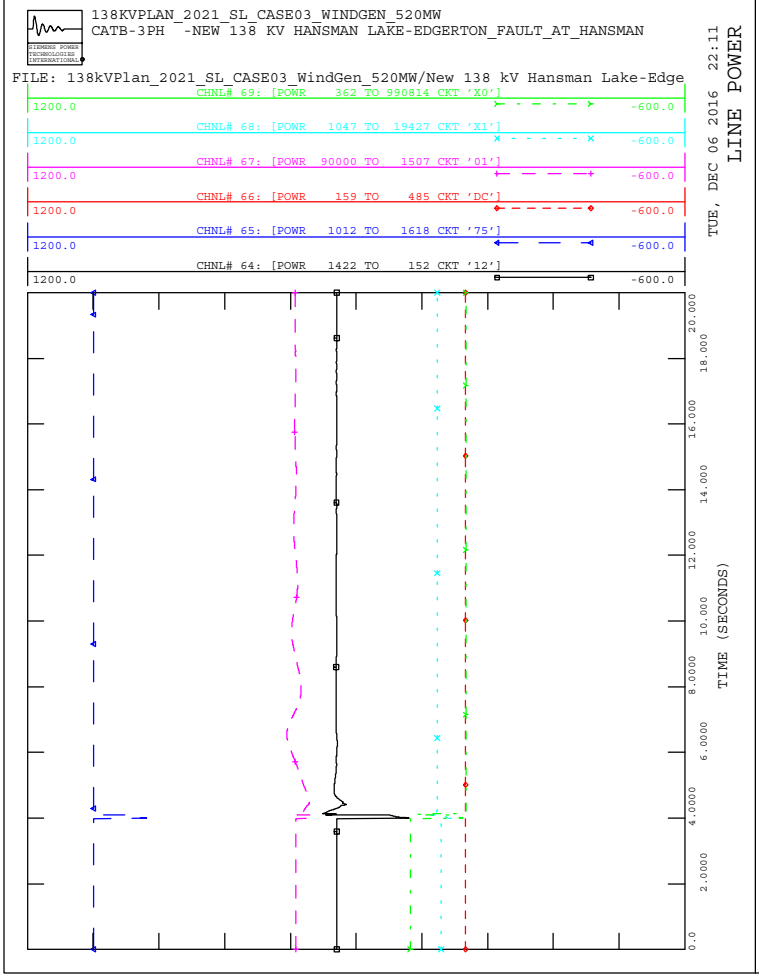
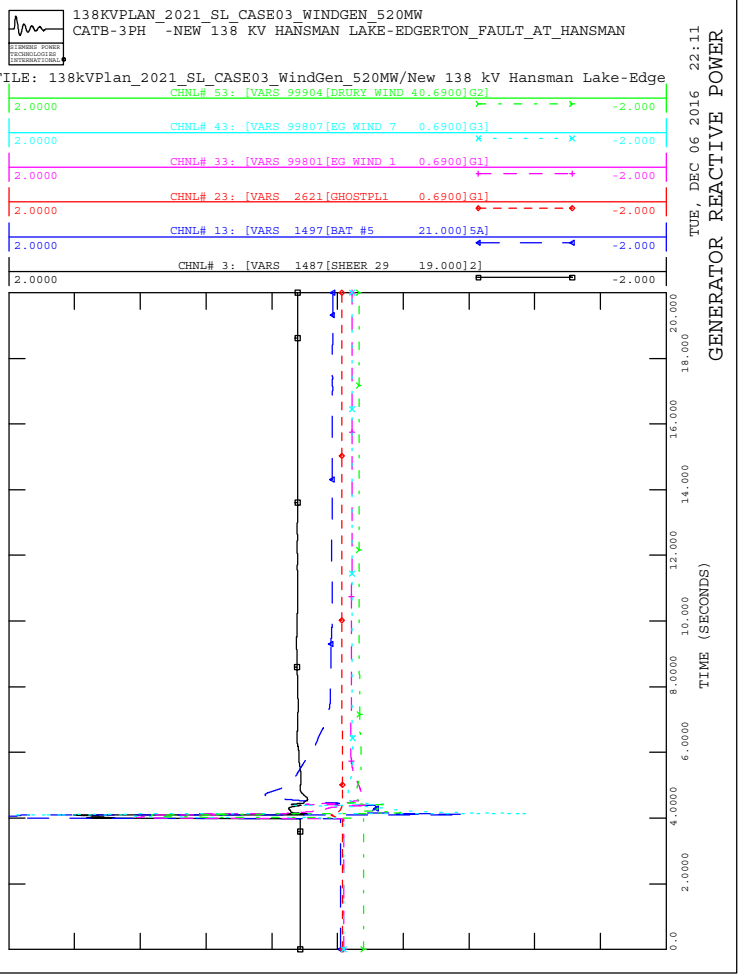
TUE, DEC 06 2016 22:11
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 22:11
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

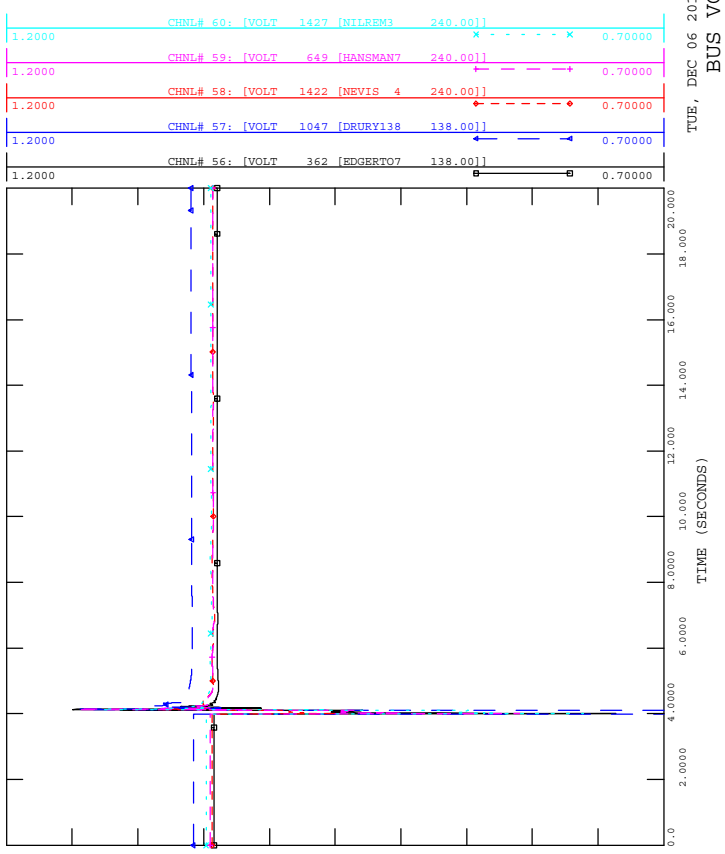

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 22:11
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 22:11

BUS VOLTAGE

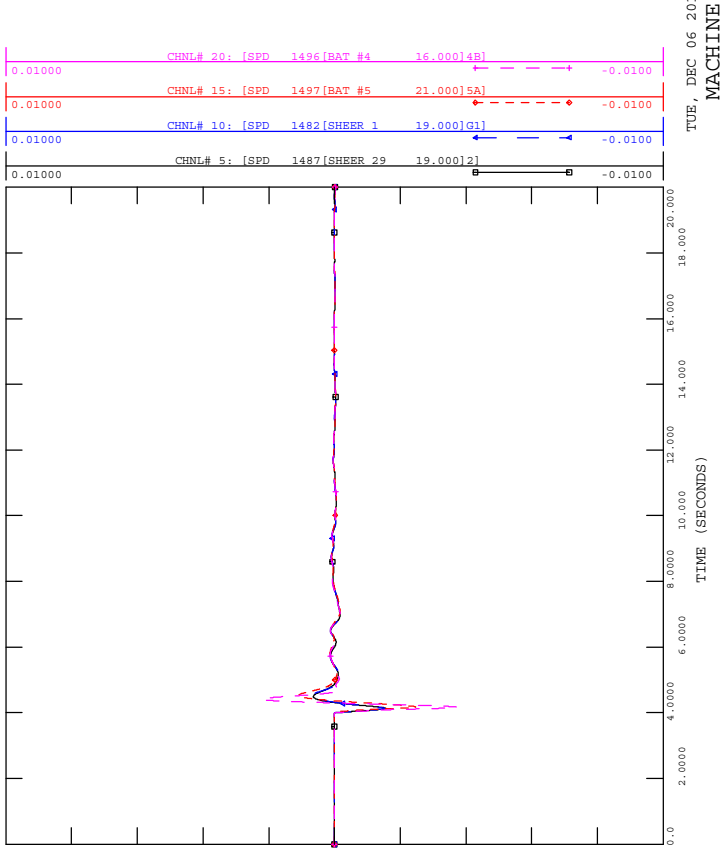


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 22:11

MACHINE SPEED

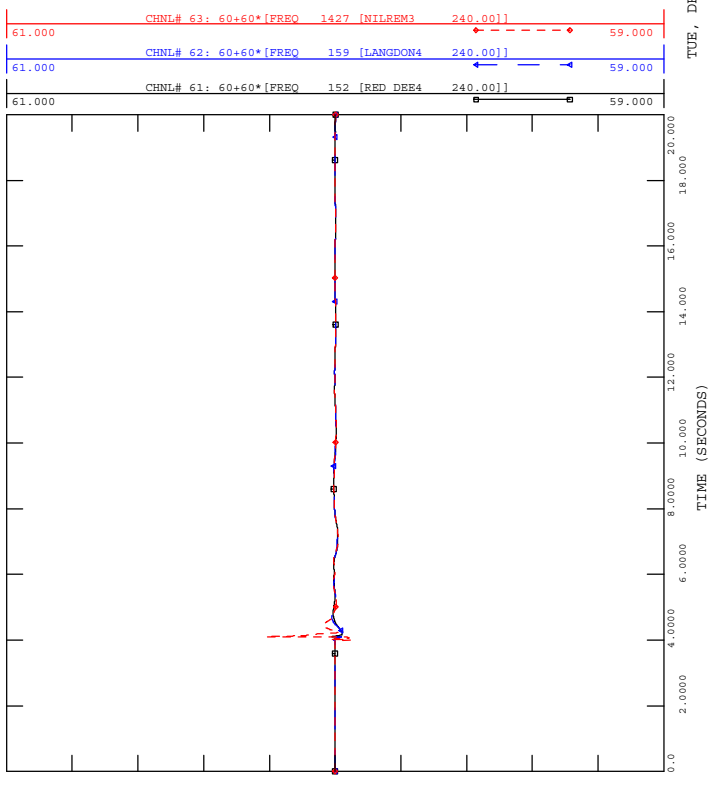


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 22:11

FREQUENCY

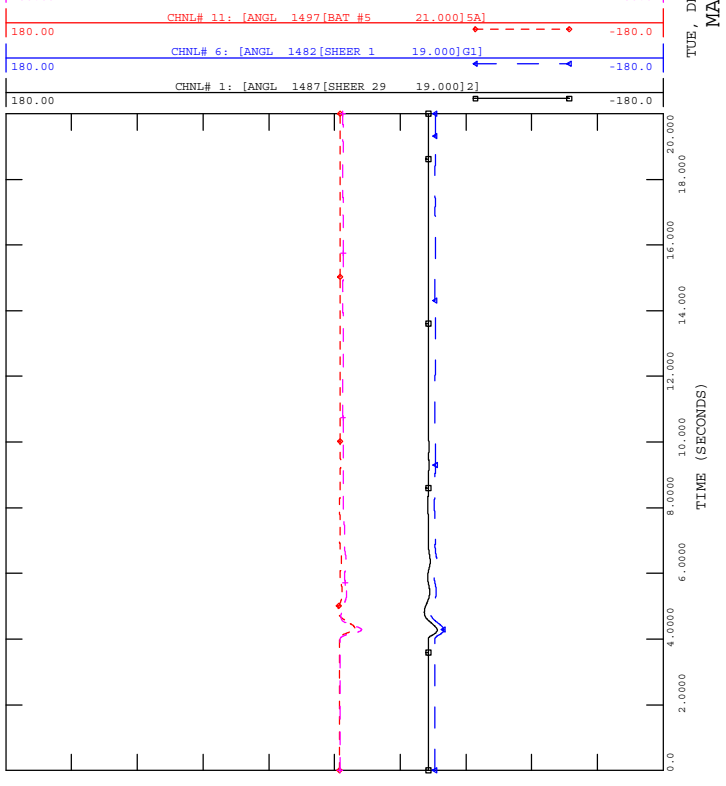


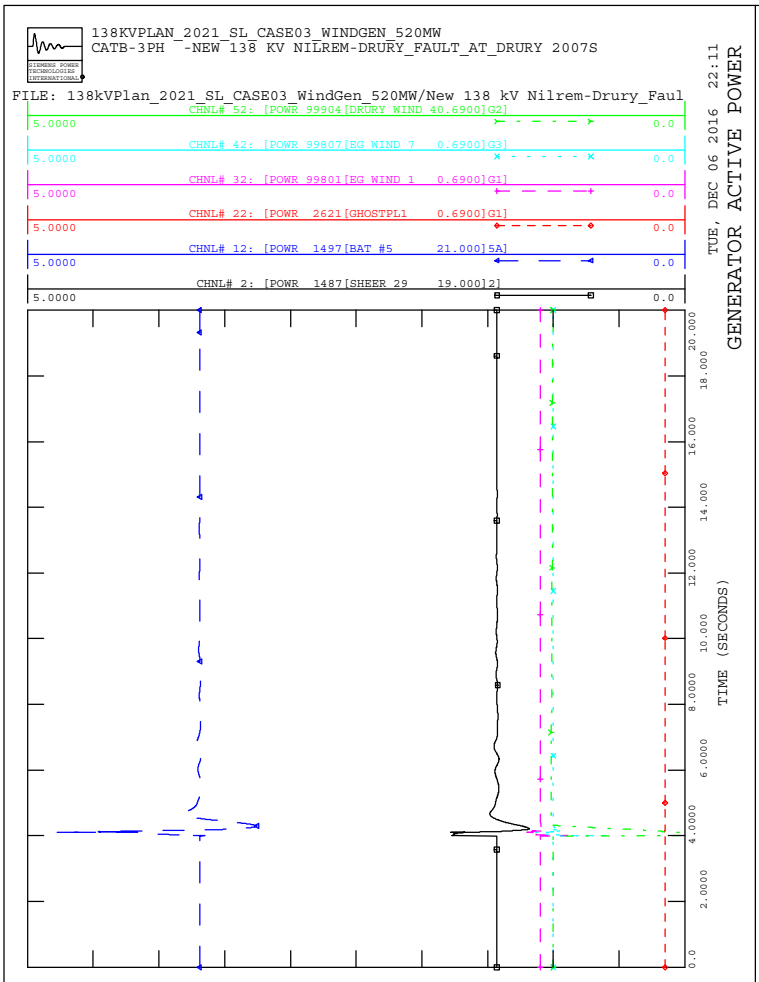
138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

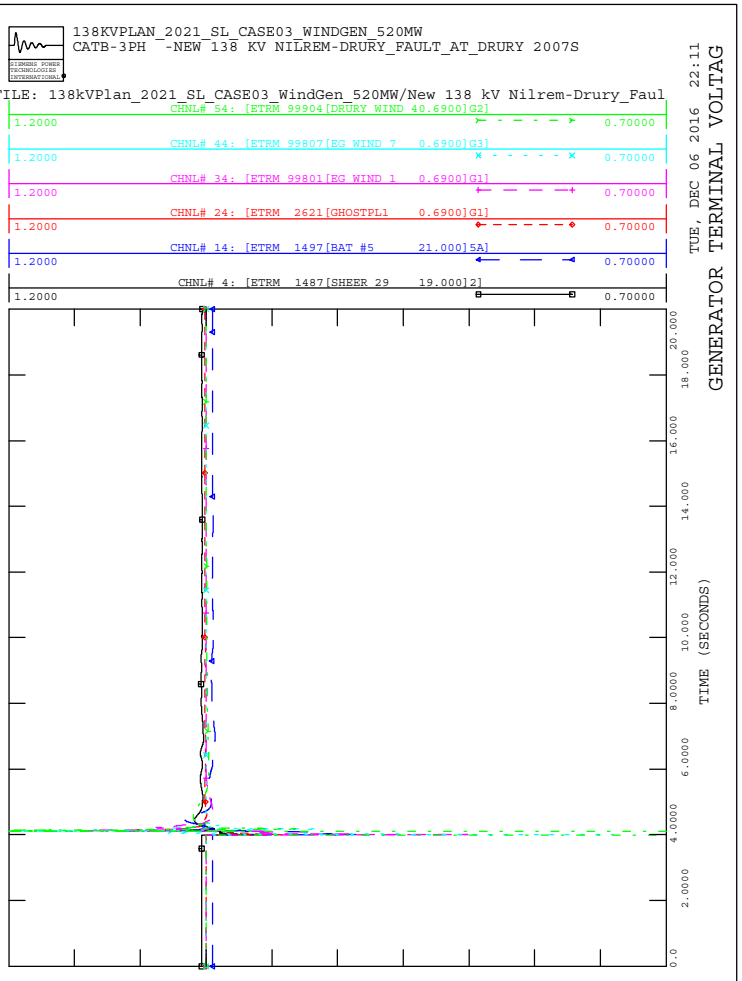
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul

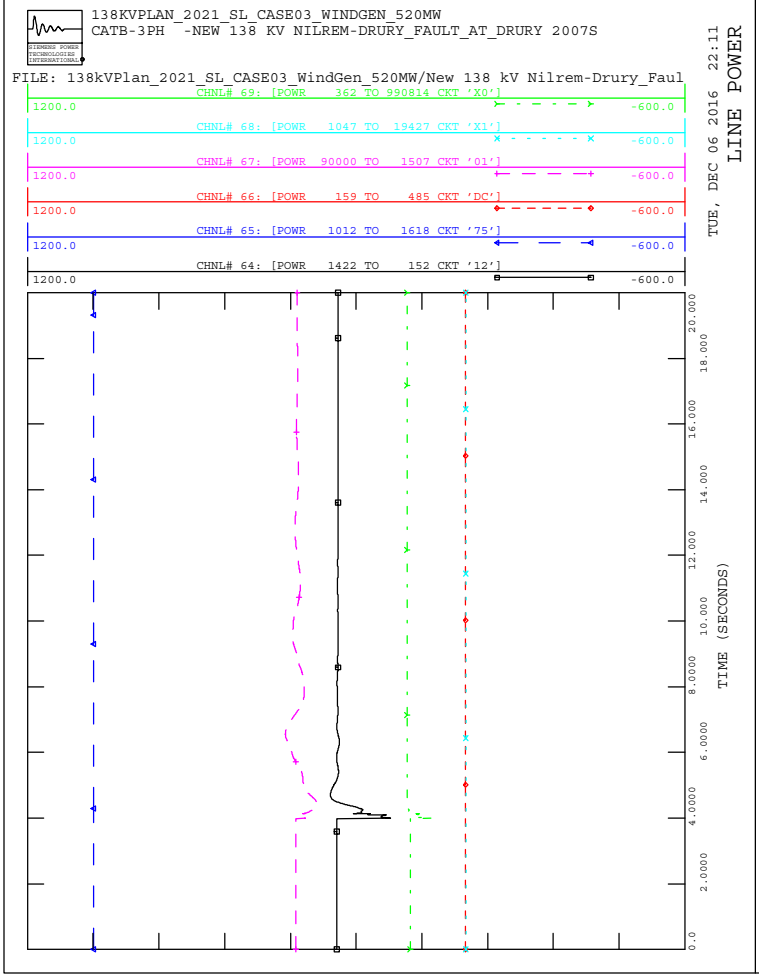
TUE, DEC 06 2016 22:11

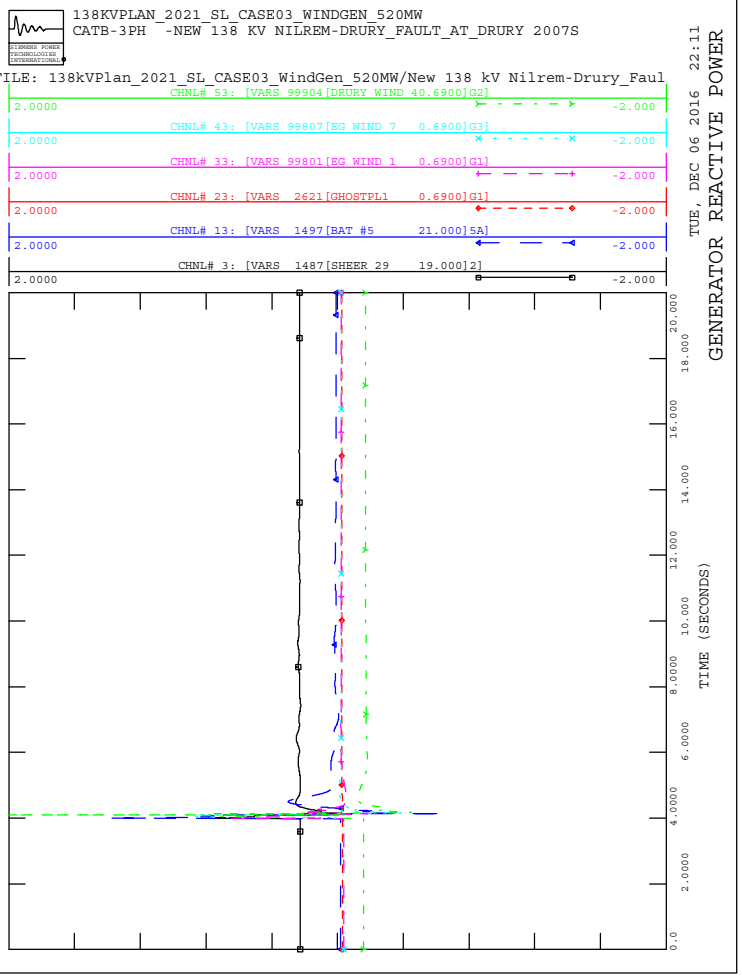
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 22:11
LINE POWER
TIME (SECONDS)

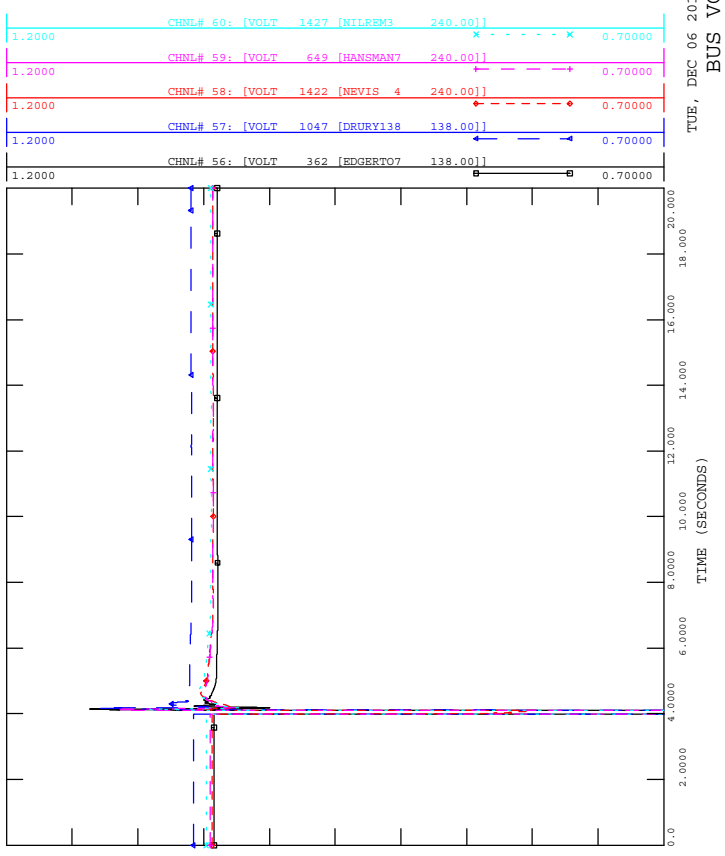

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 22:11

BUS VOLTAGE

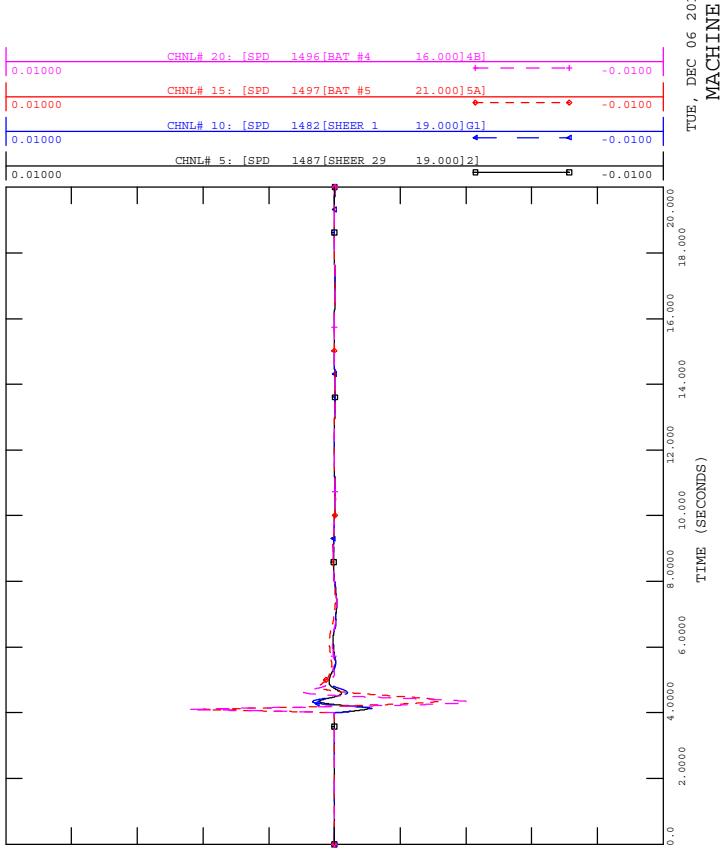


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 22:11

MACHINE SPEED

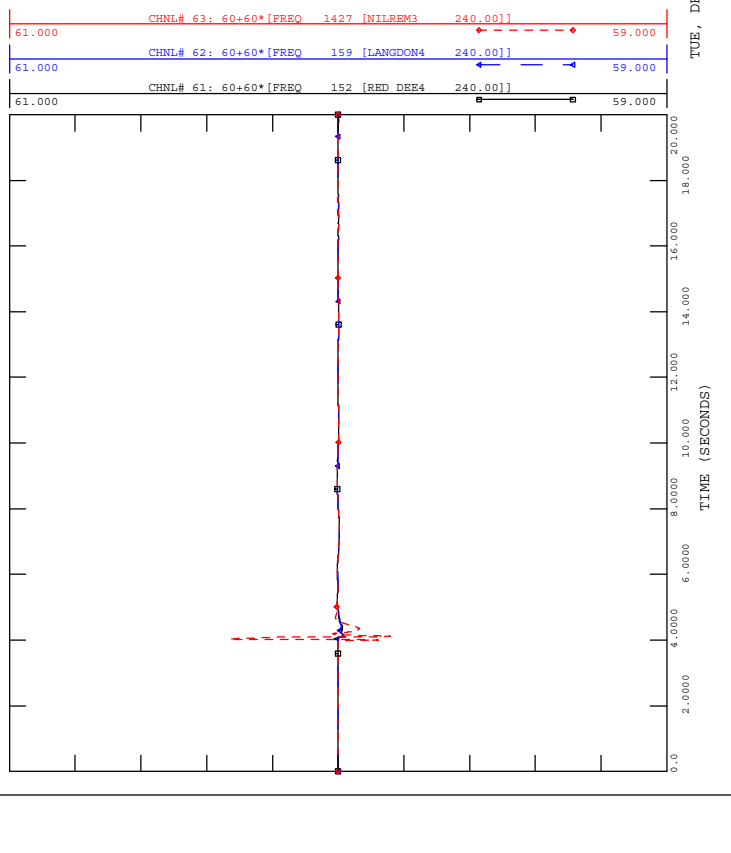


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 22:11

FREQUENCY

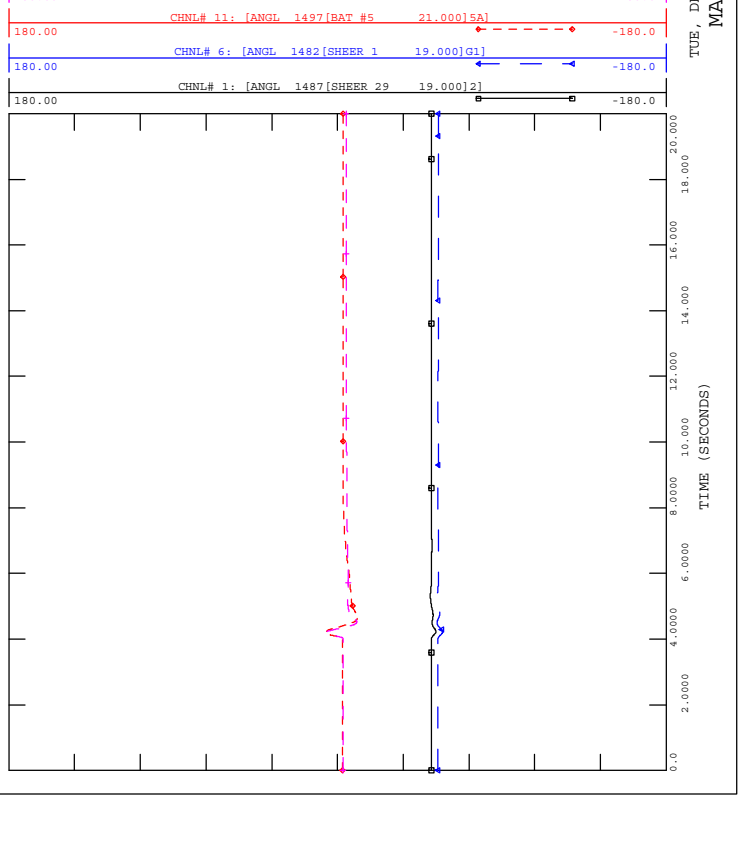


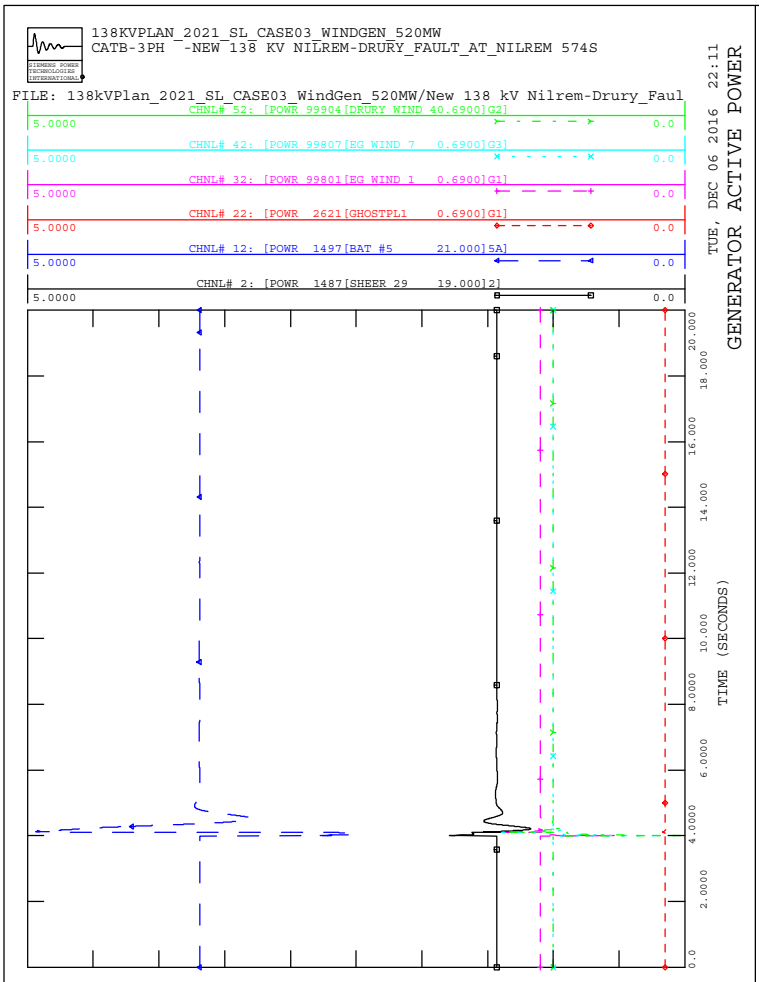
138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

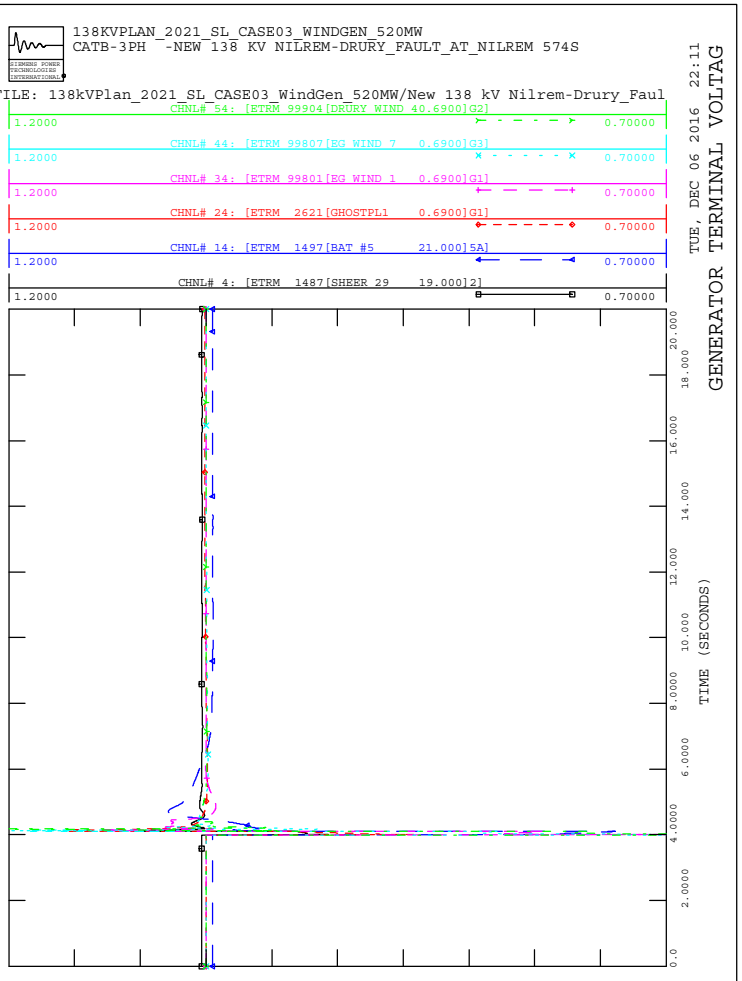
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul

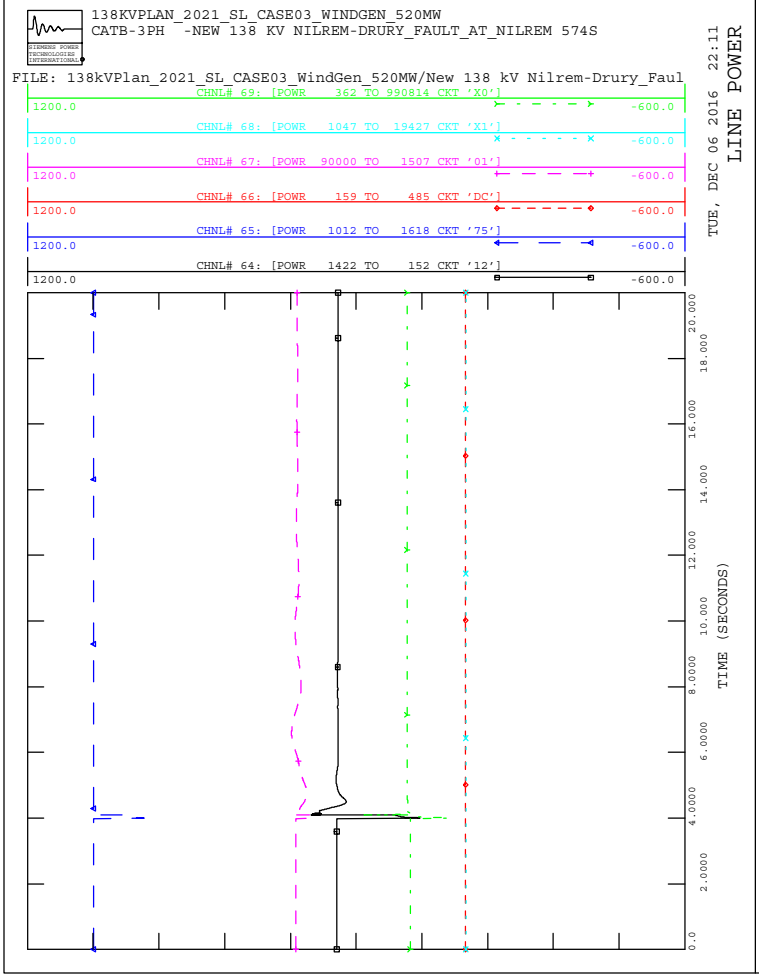
TUE, DEC 06 2016 22:11

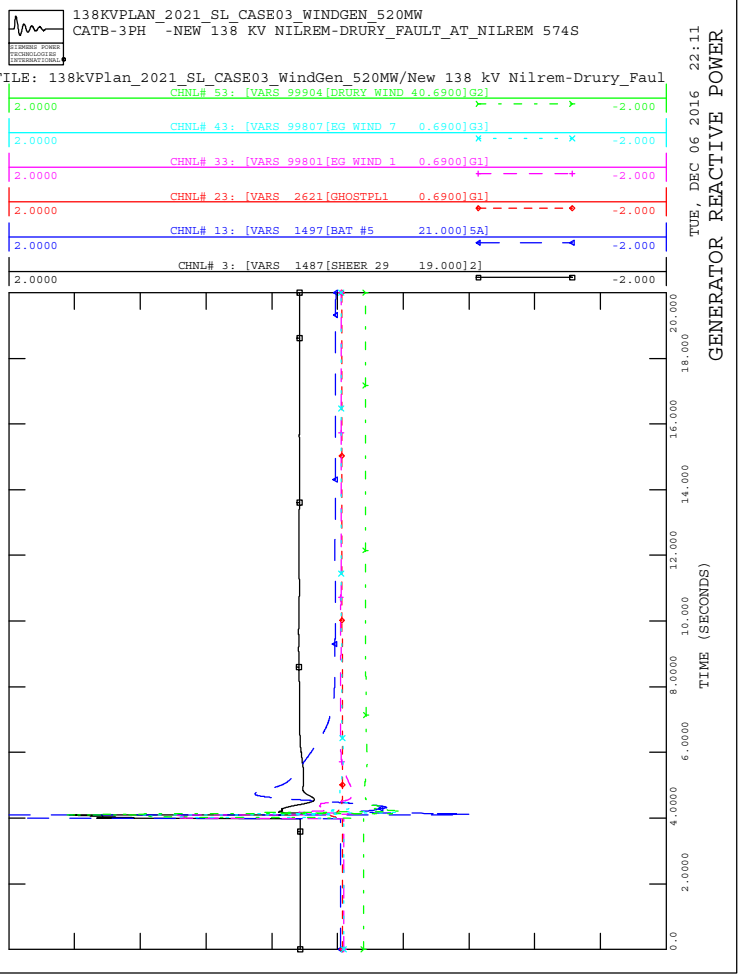
MACHINE ANGLE




138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 22:11
LINE POWER
TIME (SECONDS)


138KVPLAN_2021_SL_CASE03_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_SL_CASE03_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR REACTIVE POWER
TIME (SECONDS)

Transient Stability Analysis Plots

Alternative 1-138 kV Plan

2021 Winter Peak

Sensitivity Scenario: 520 MW Drury+Edgerton Wind Generation

Category B (Three-phase-to-ground Fault)

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 22:11

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 1047 [DRURY138 138.00]] 1.2000 0.70000
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 22:11

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Nevis 766S.out

TUE, DEC 06 2016 22:11

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

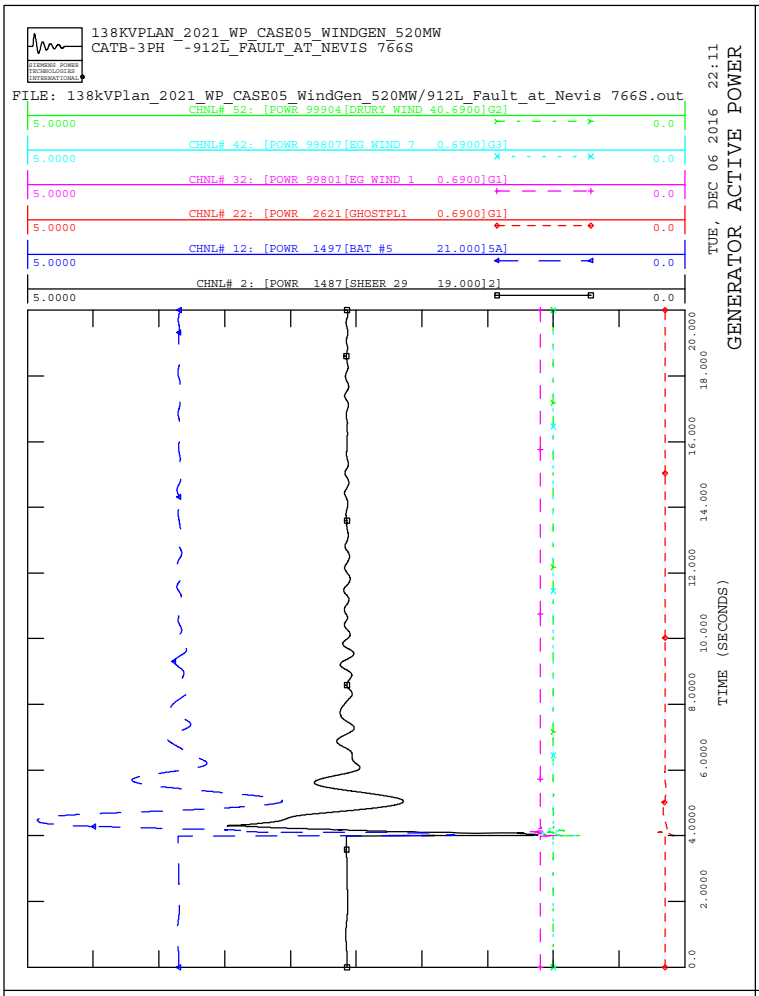
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Nevis 766S.out

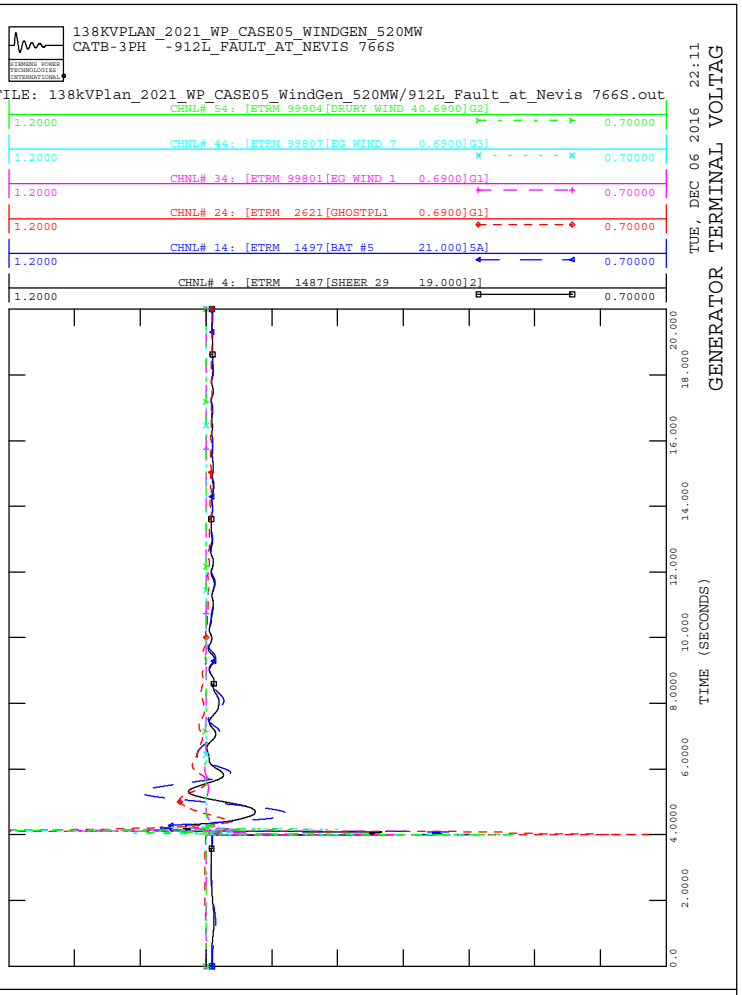
TUE, DEC 06 2016 22:11

MACHINE ANGLE

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 22:11
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 22:11
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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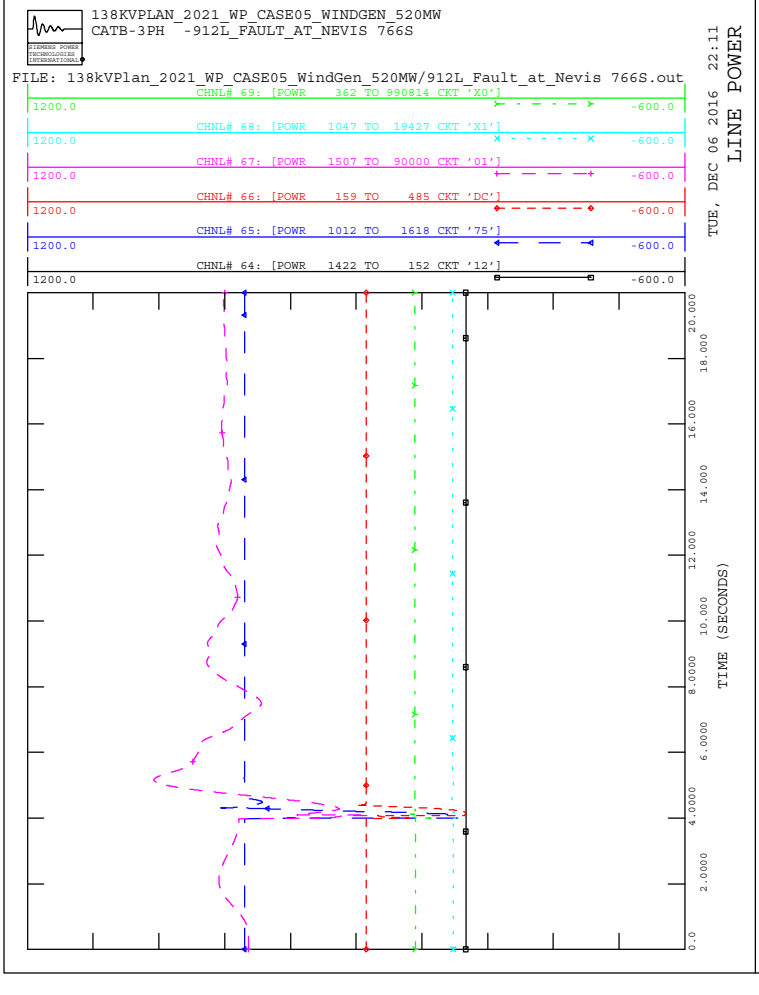
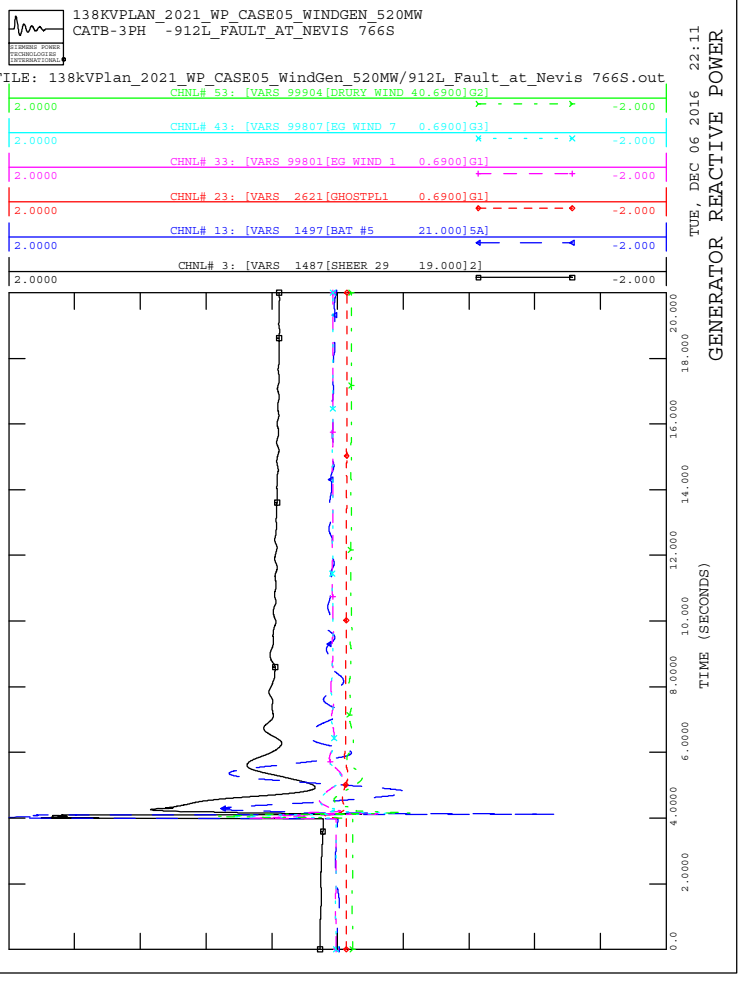
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 22:11
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

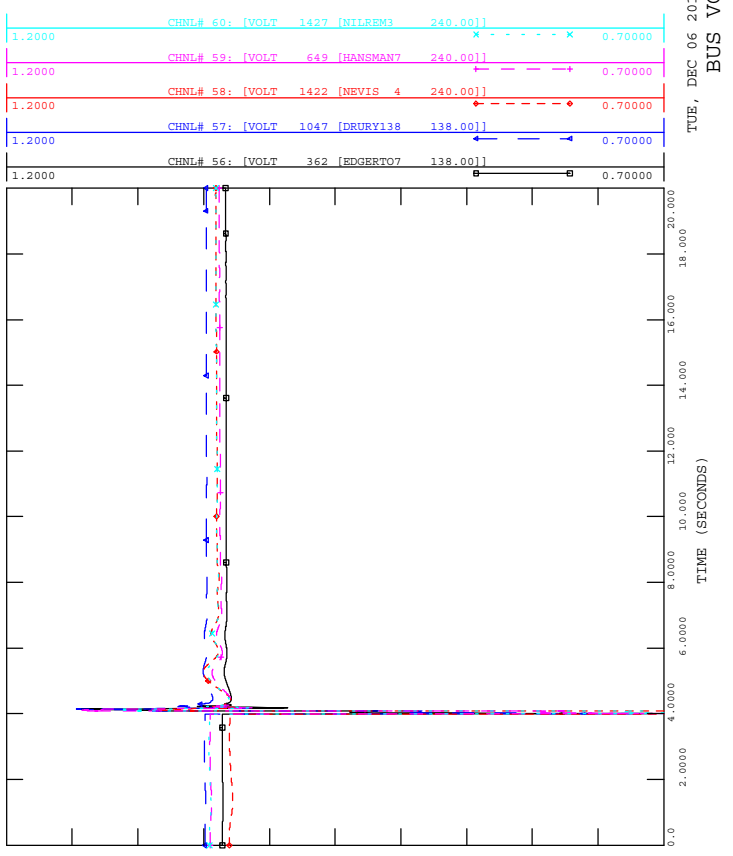

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 22:11
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 22:11

BUS VOLTAGE

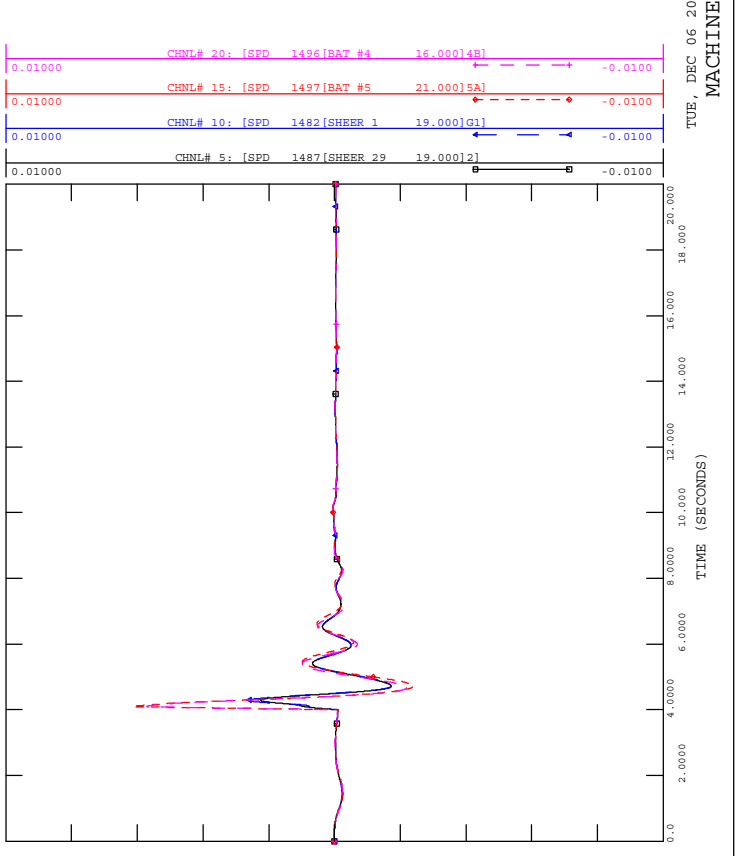


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 22:11

MACHINE SPEED

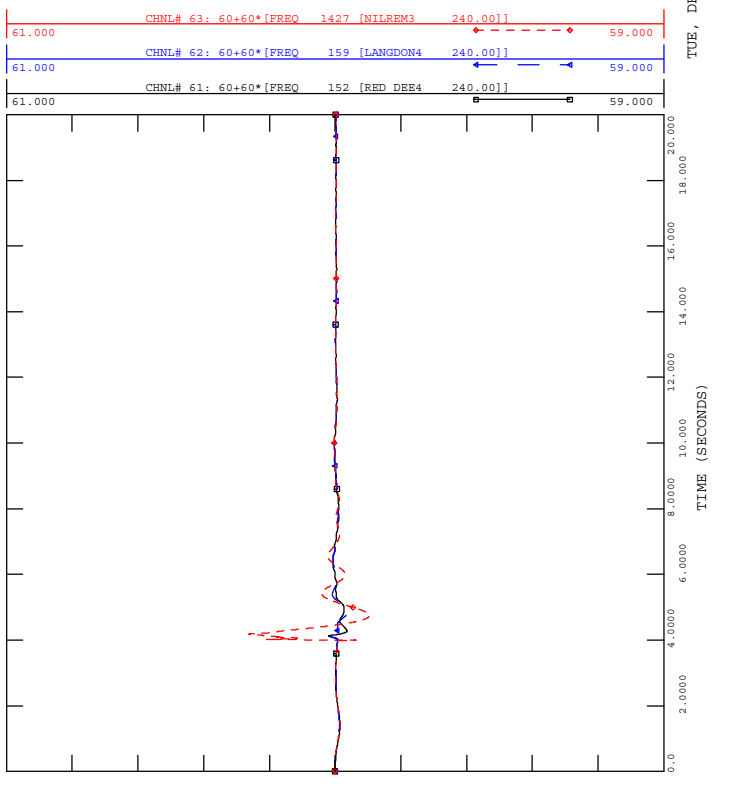


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 22:11

FREQUENCY

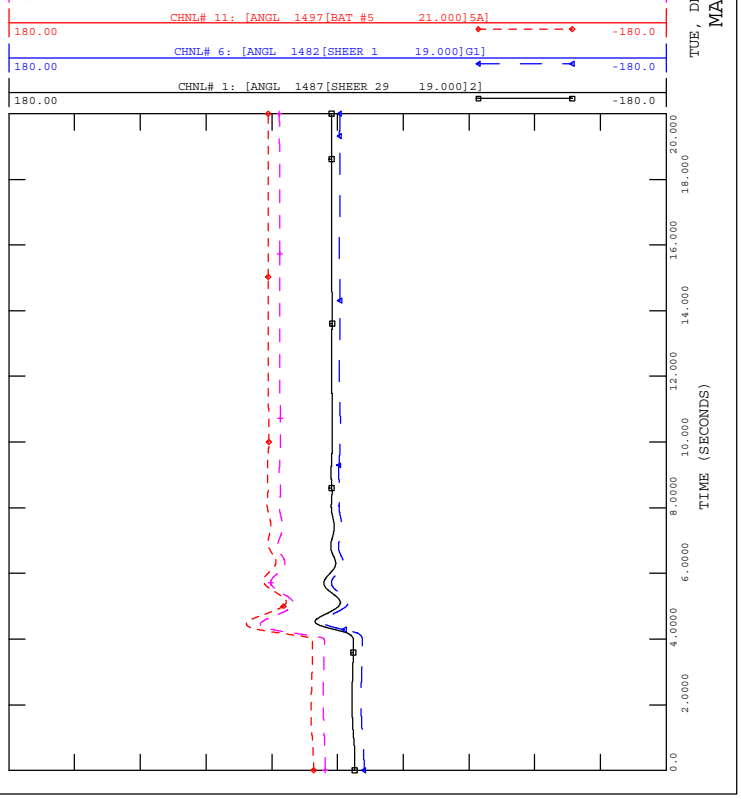


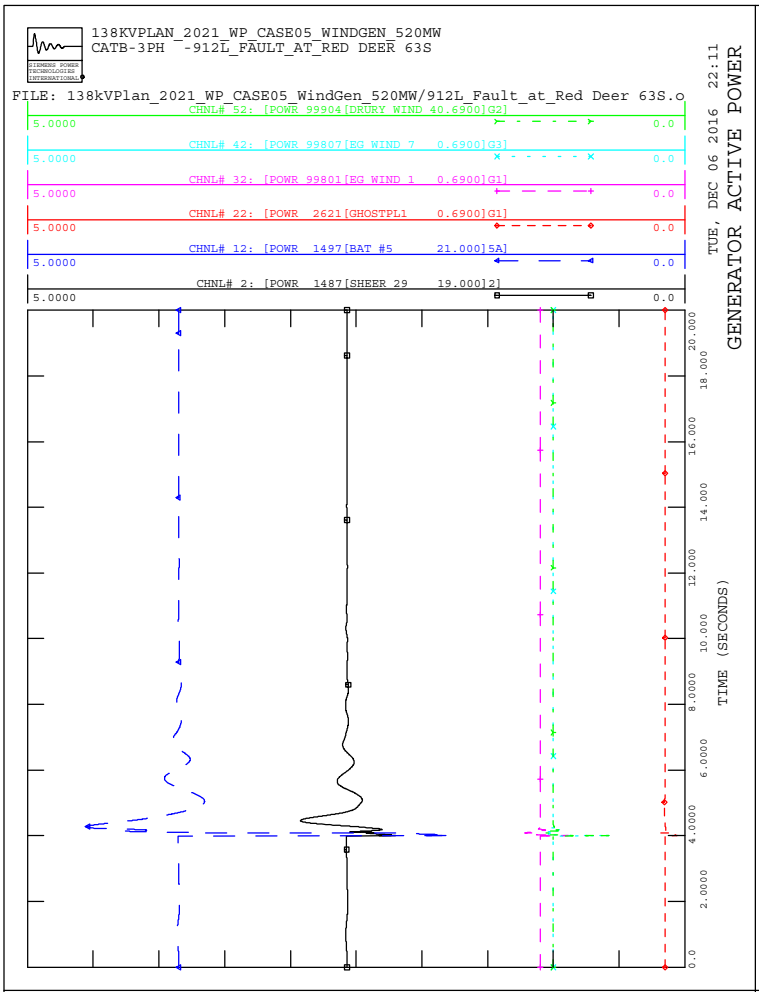
138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Red Deer 63S.o

TUE, DEC 06 2016 22:11

MACHINE ANGLE

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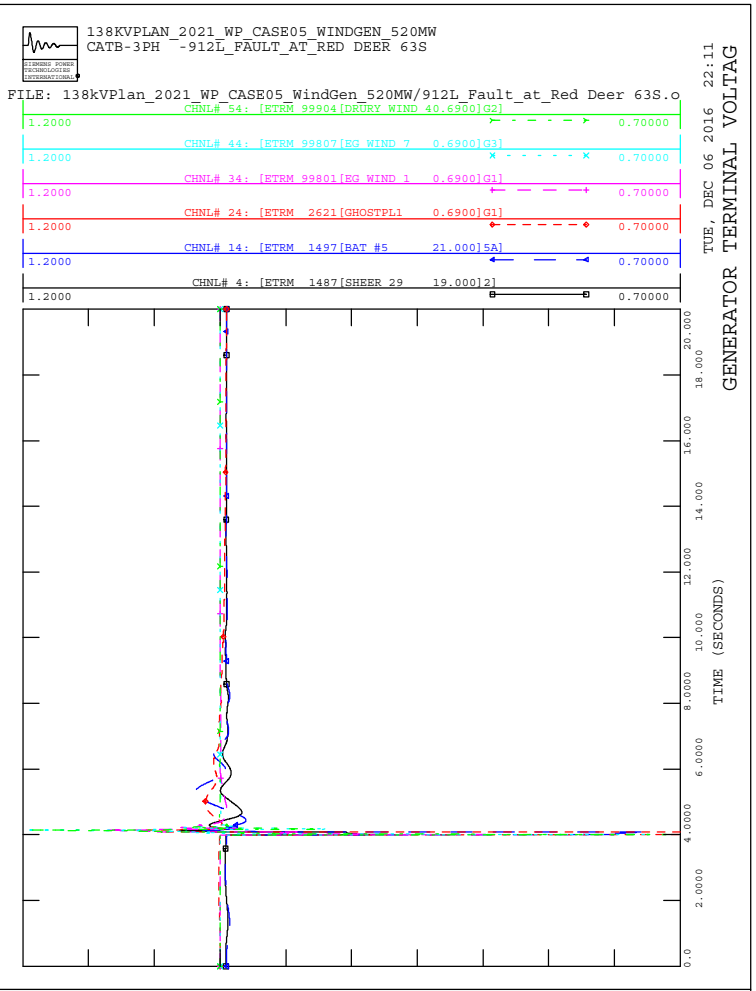
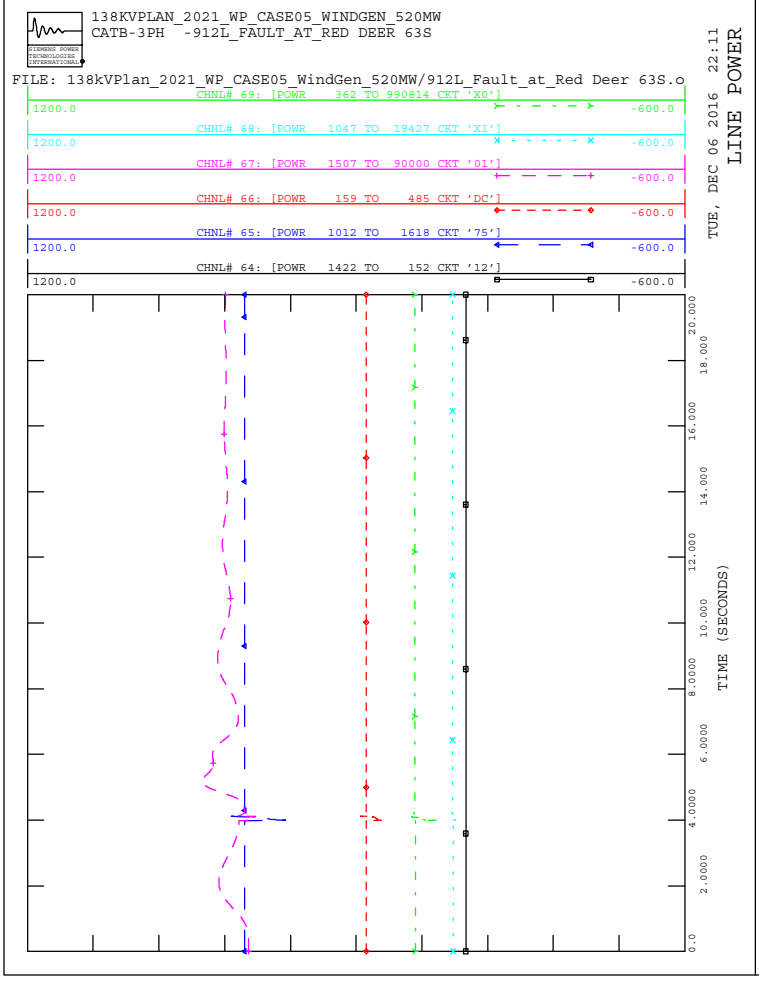
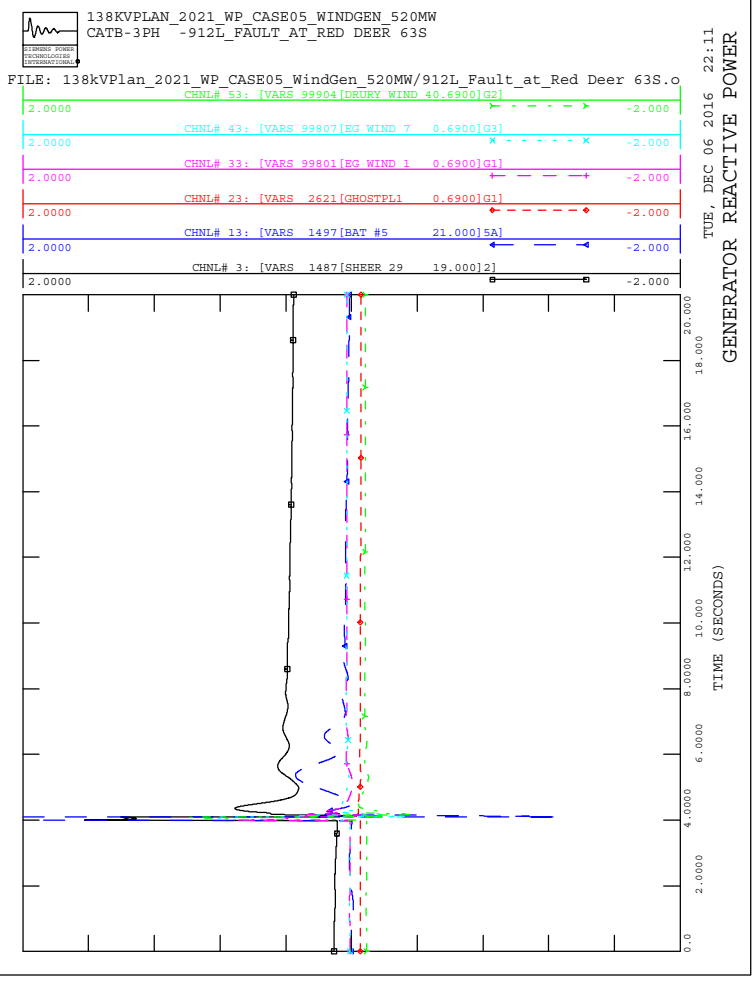
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Red Deer 63S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Red Deer 63S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Red Deer 63S.o
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 22:11
LINE POWER
TIME (SECONDS)

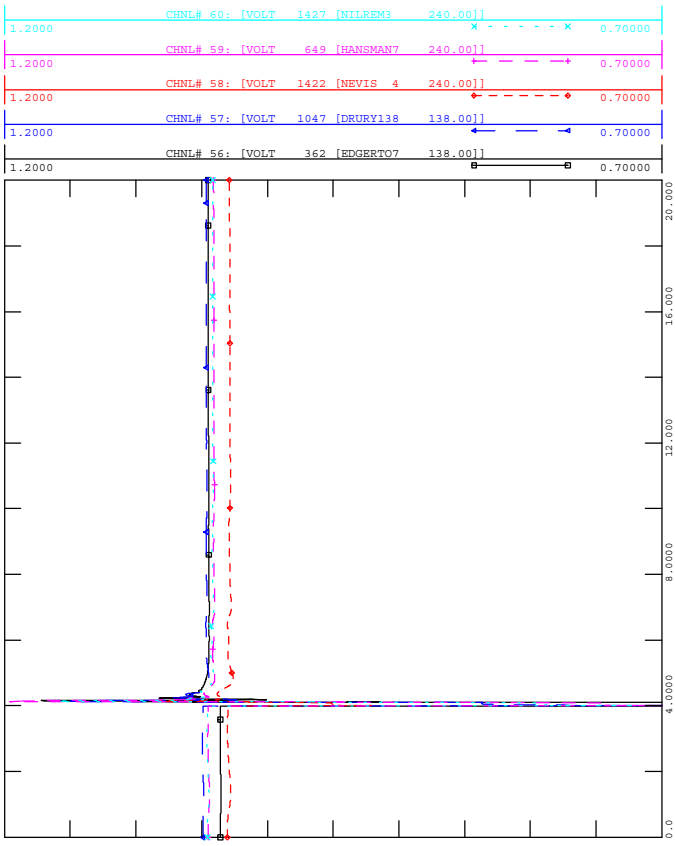

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/912L_Fault_at_Red Deer 63S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

BUS VOLTAGE

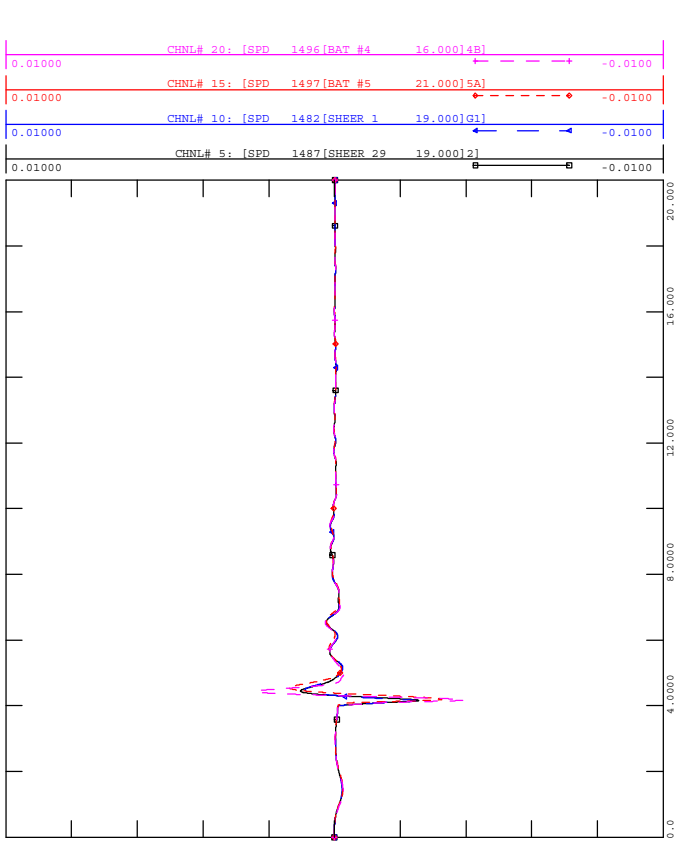


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

MACHINE SPEED

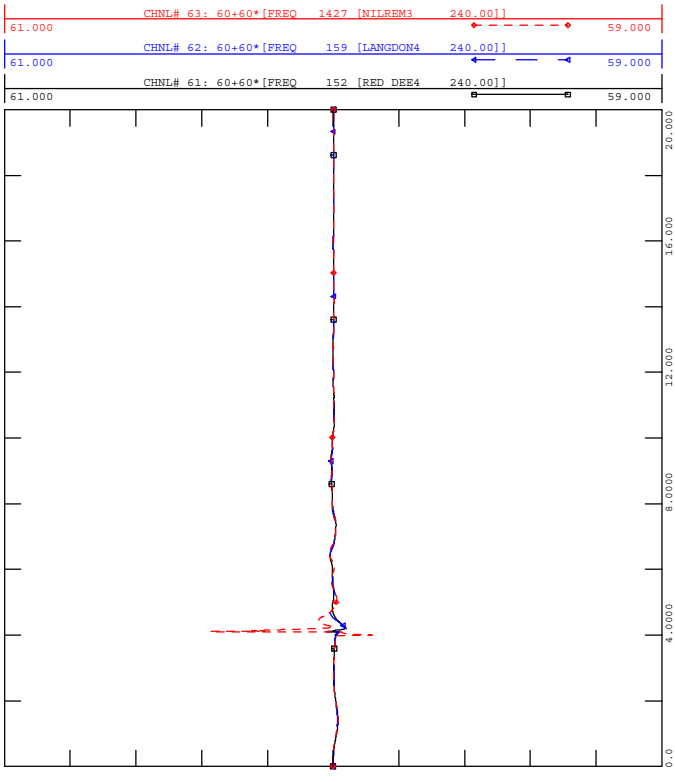


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

FREQUENCY

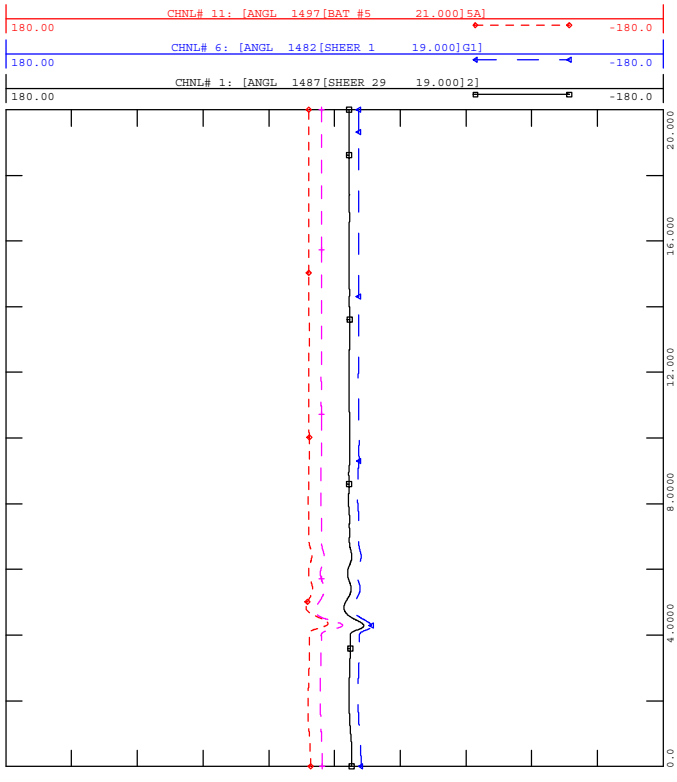


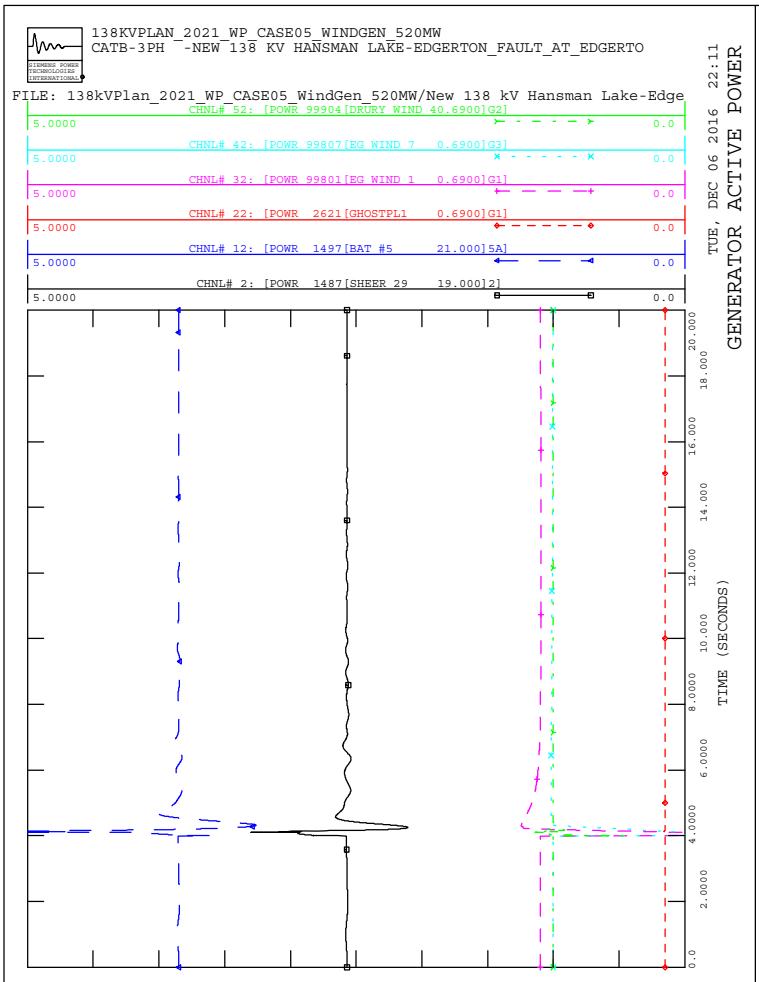
138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

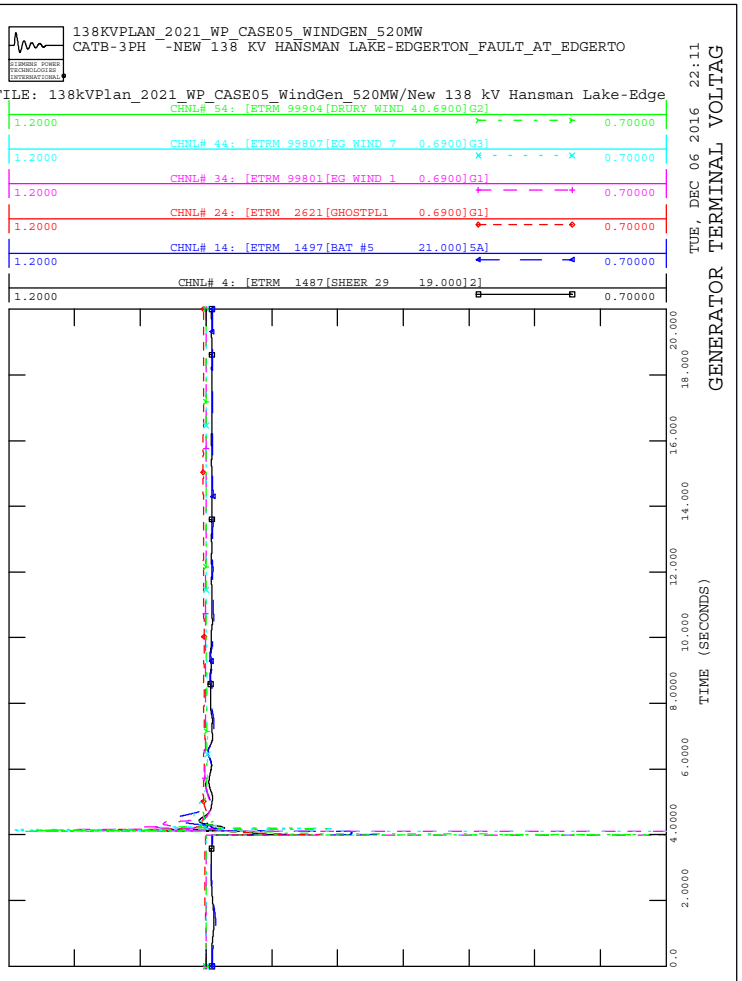
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge

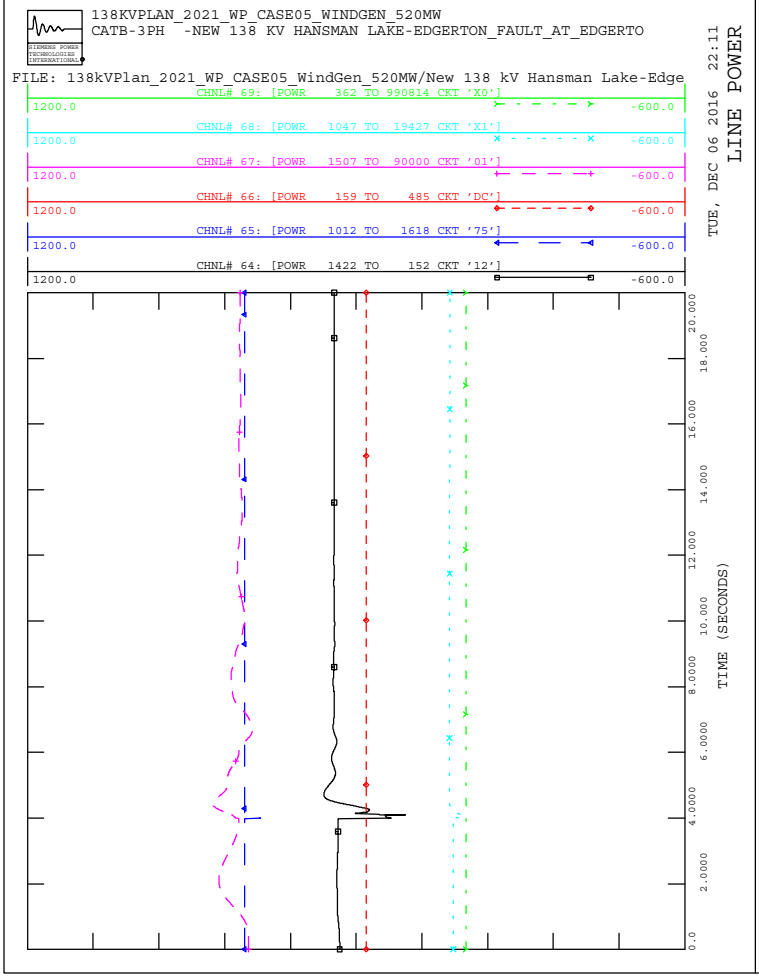
TUE, DEC 06 2016 22:11

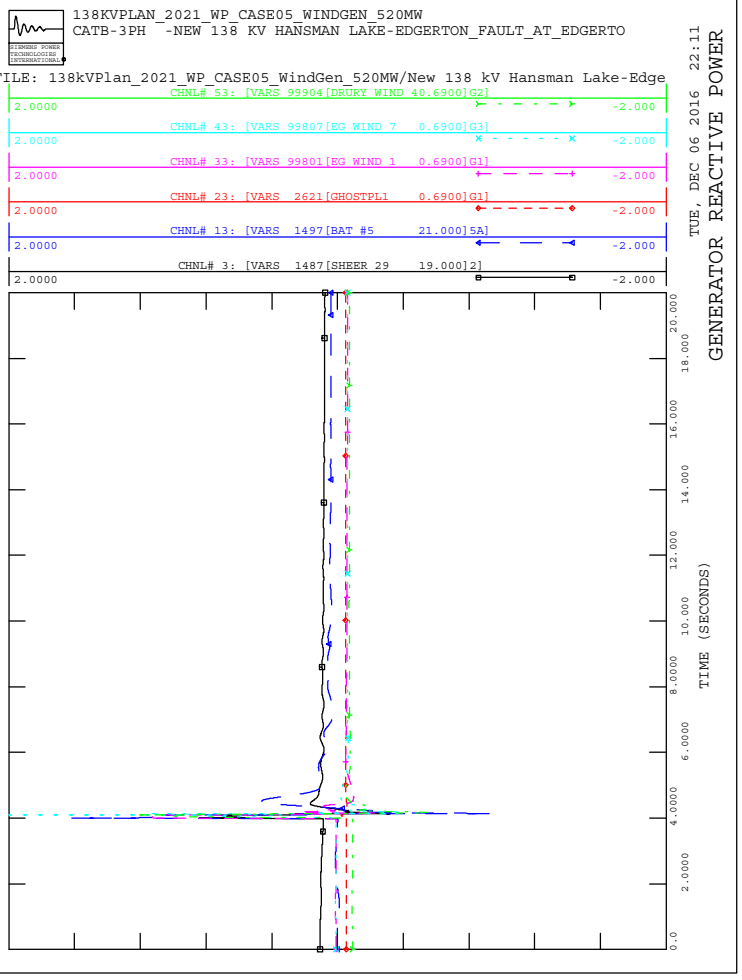
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 22:11
LINE POWER
TIME (SECONDS)

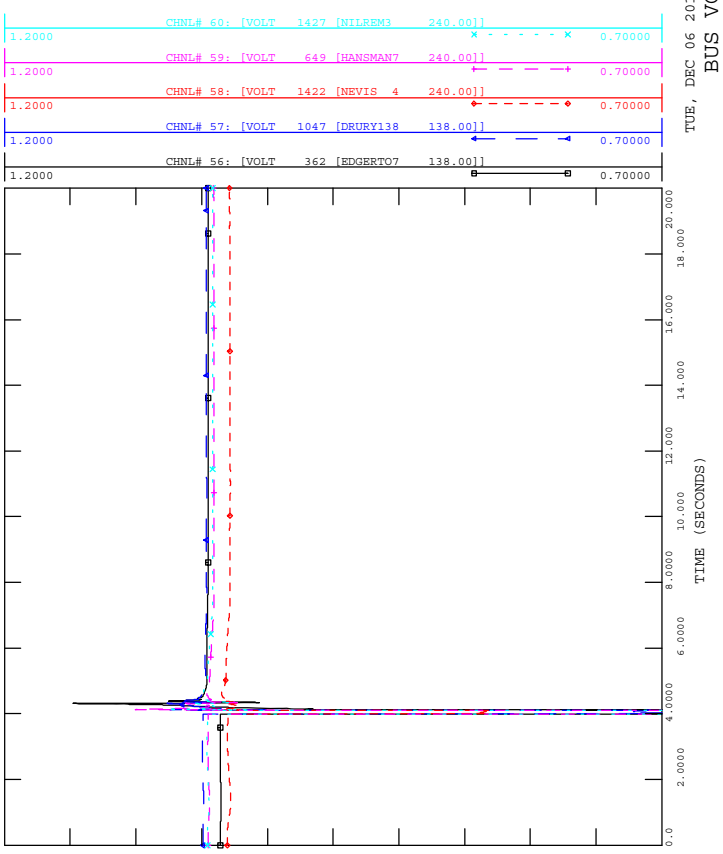

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

BUS VOLTAGE

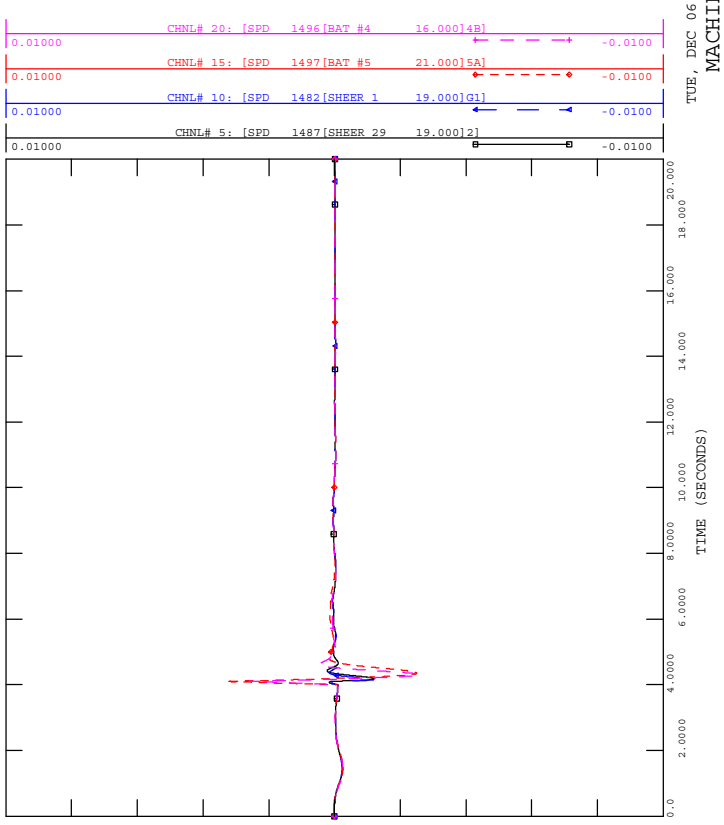


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

MACHINE SPEED

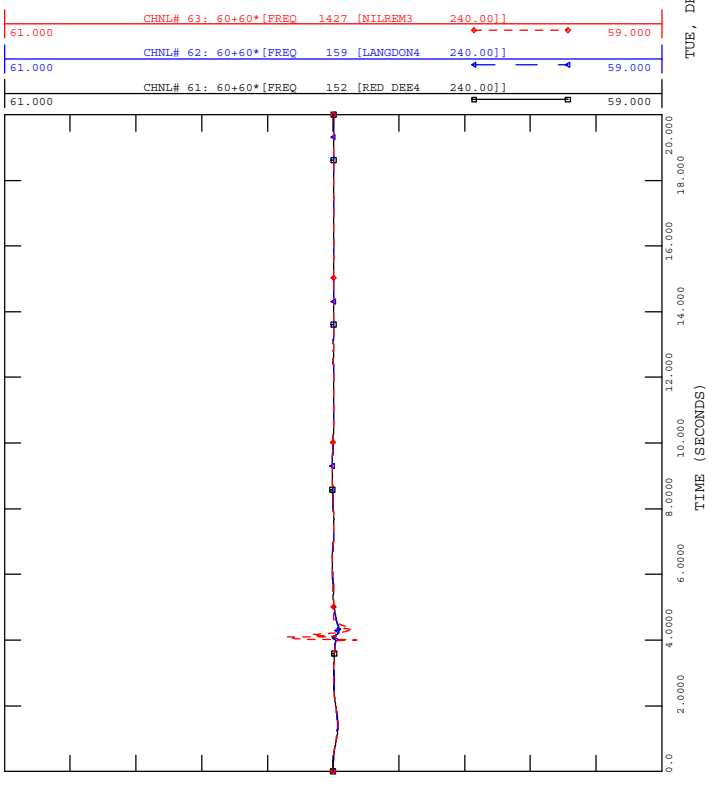


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge

TUE, DEC 06 2016 22:11

FREQUENCY

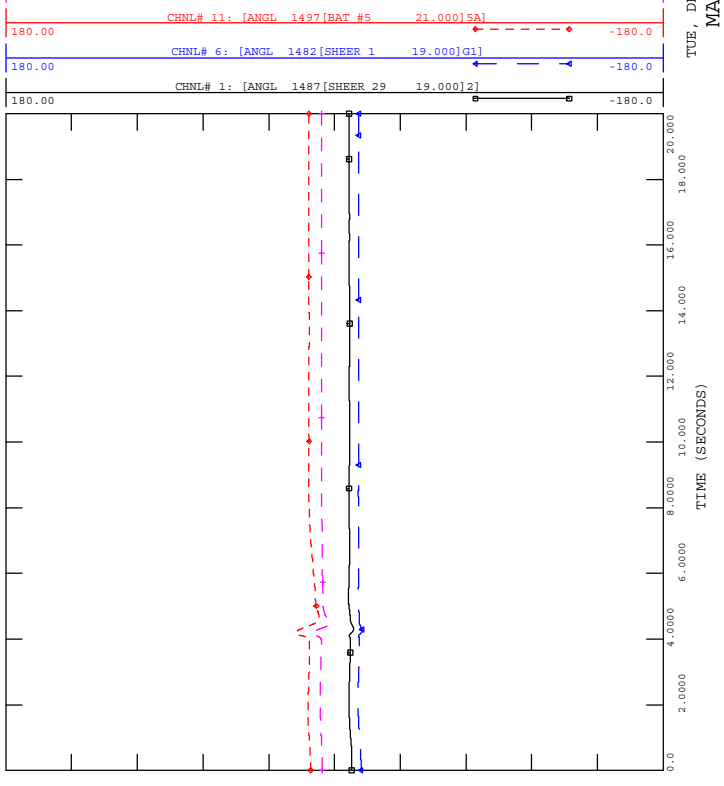


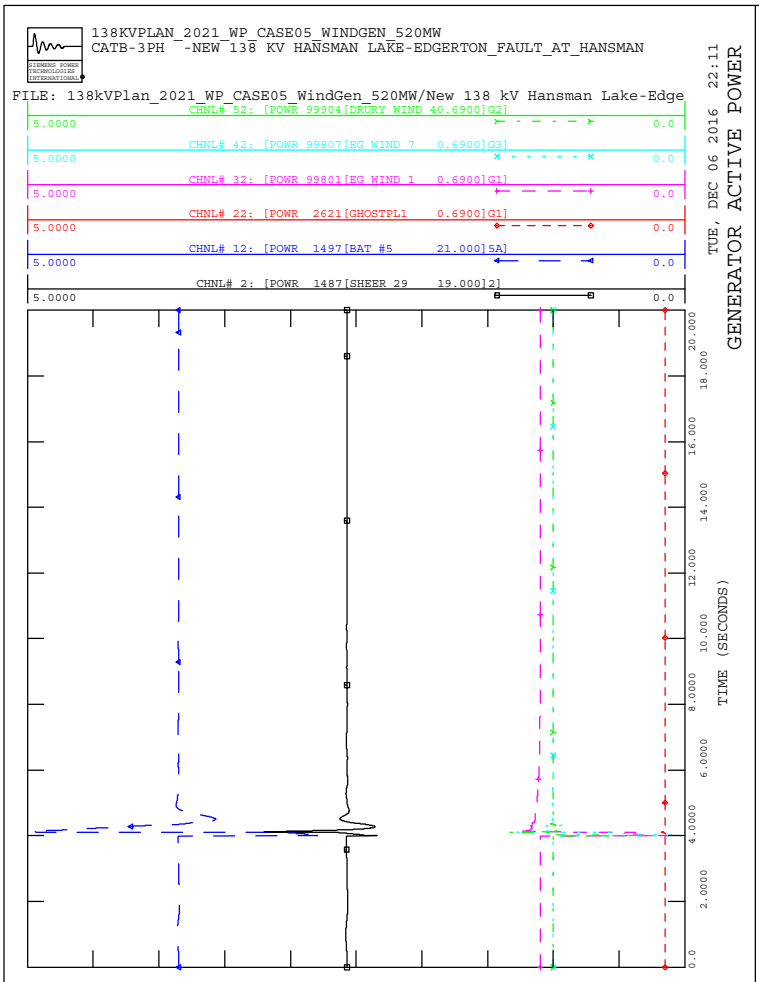
138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

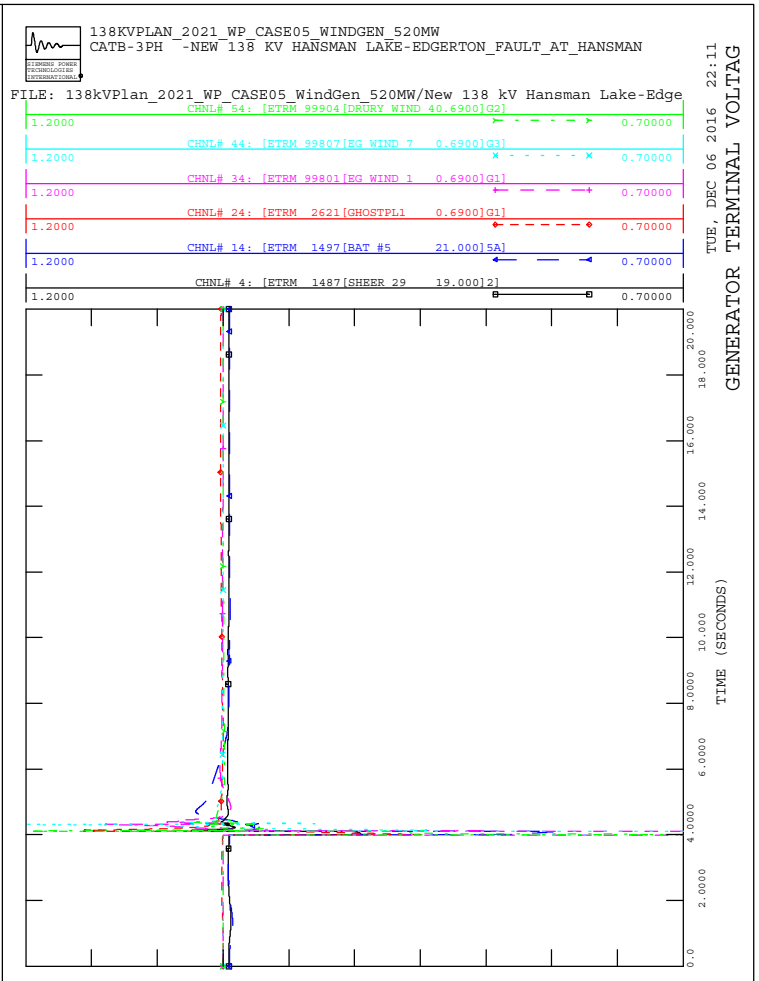
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge

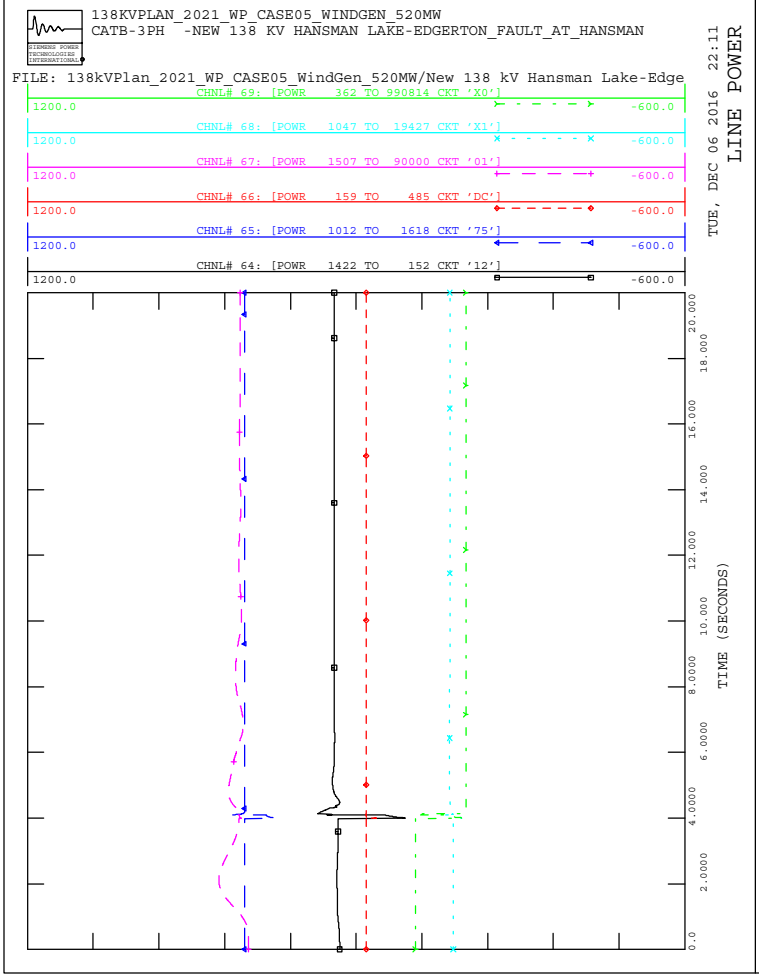
TUE, DEC 06 2016 22:11

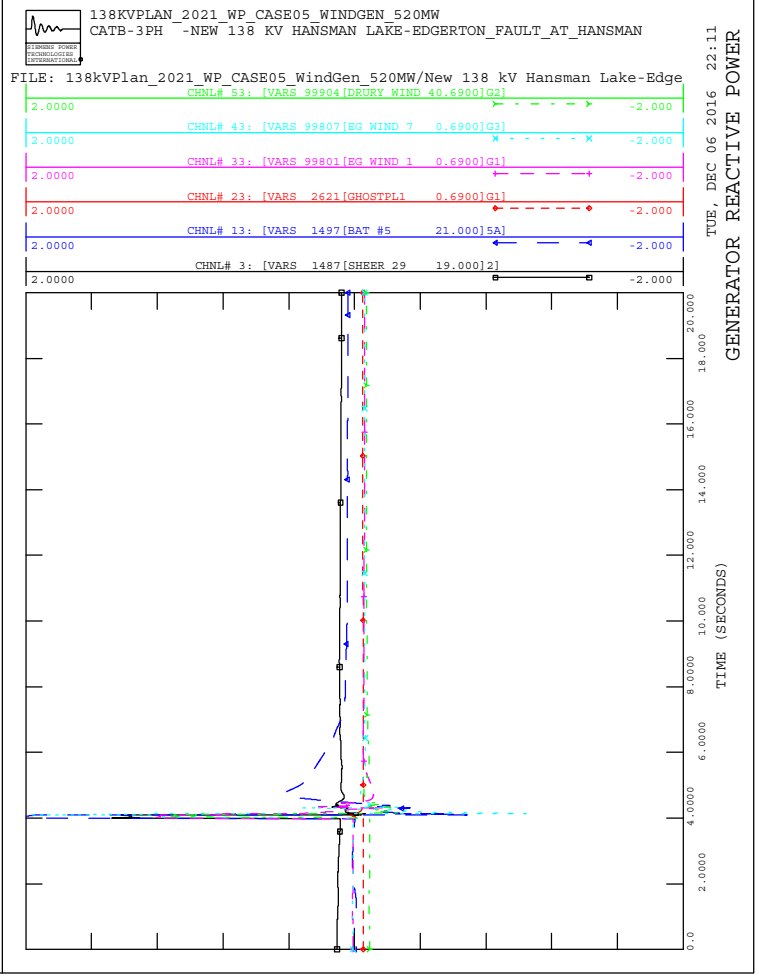
MACHINE ANGLE

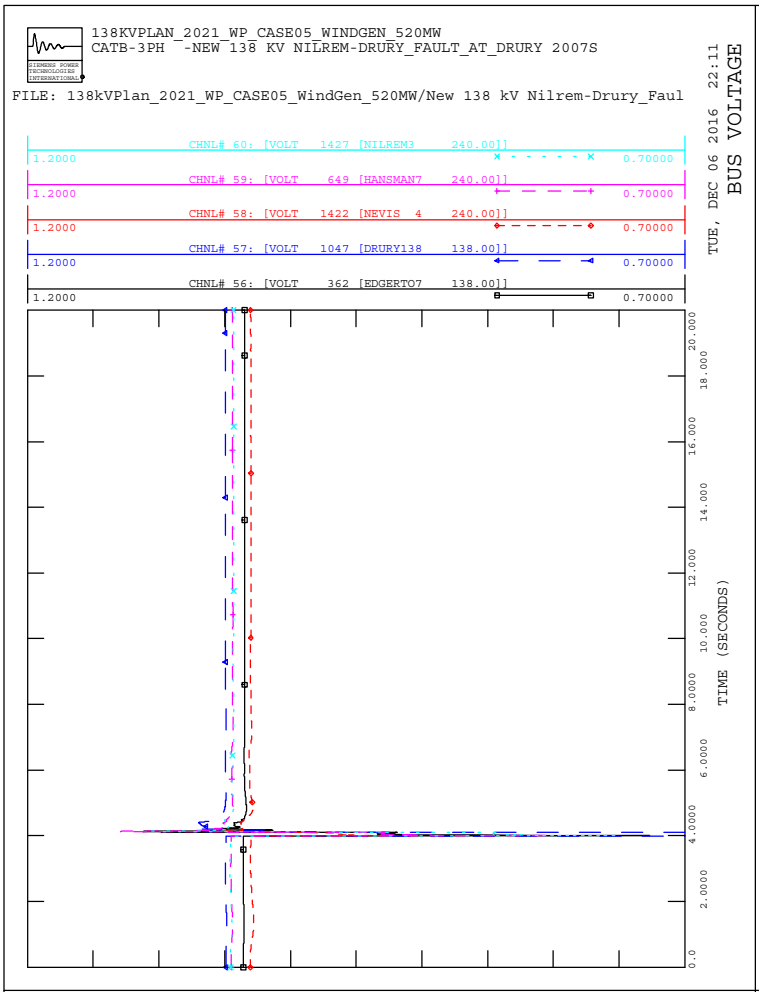


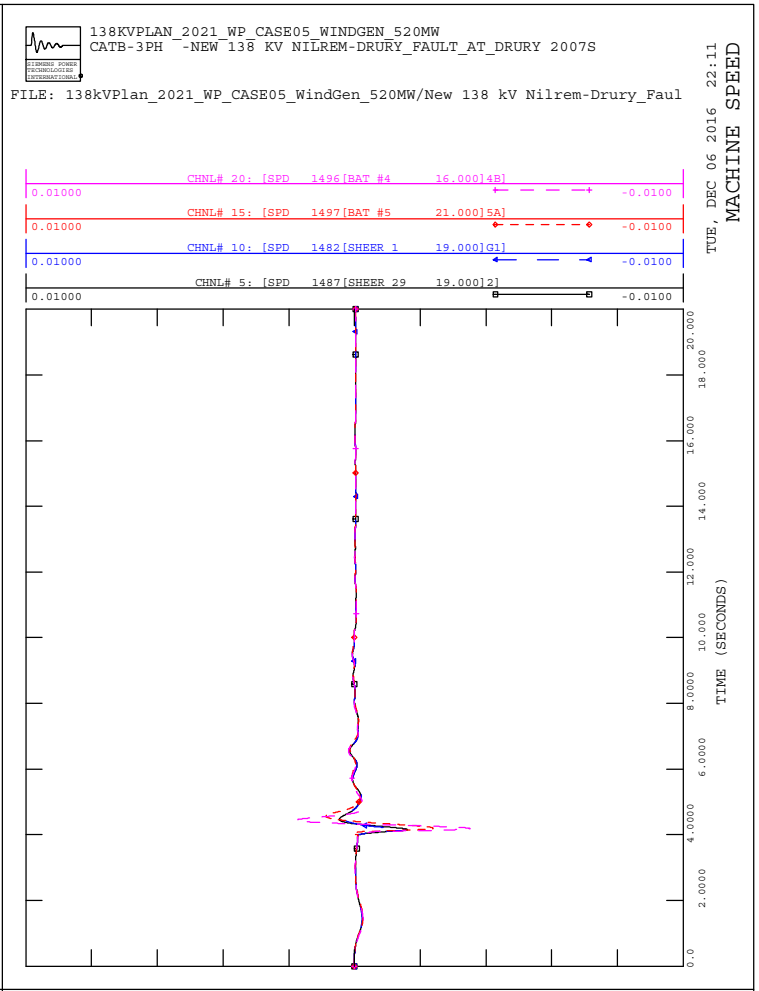

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR ACTIVE POWER
TIME (SECONDS)

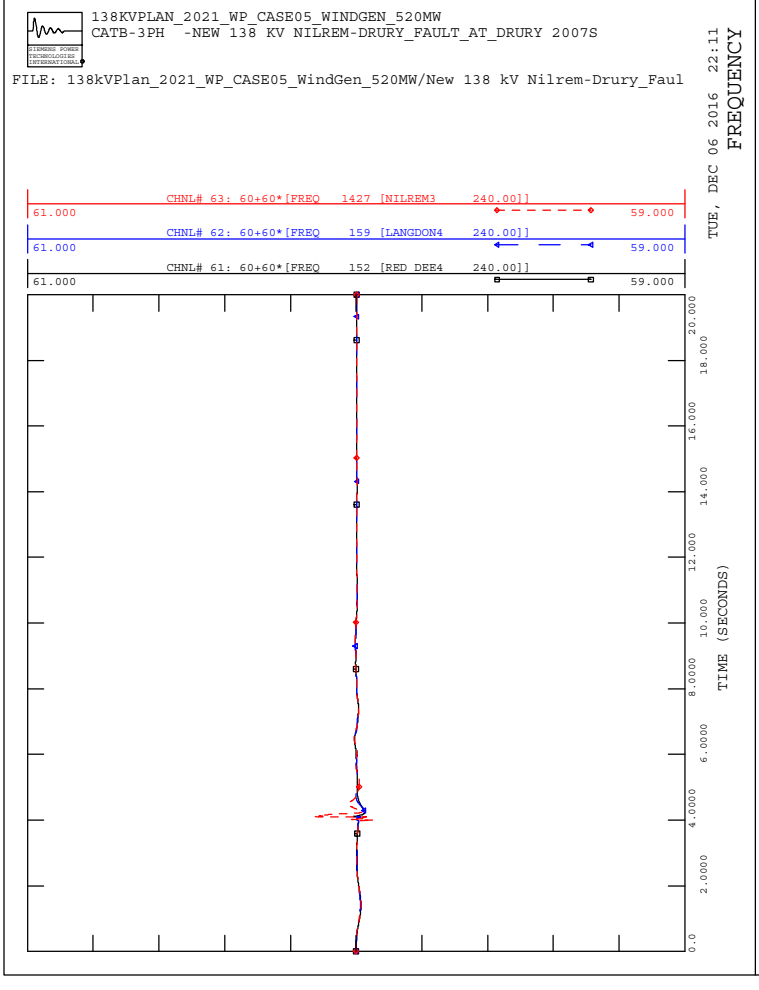

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)

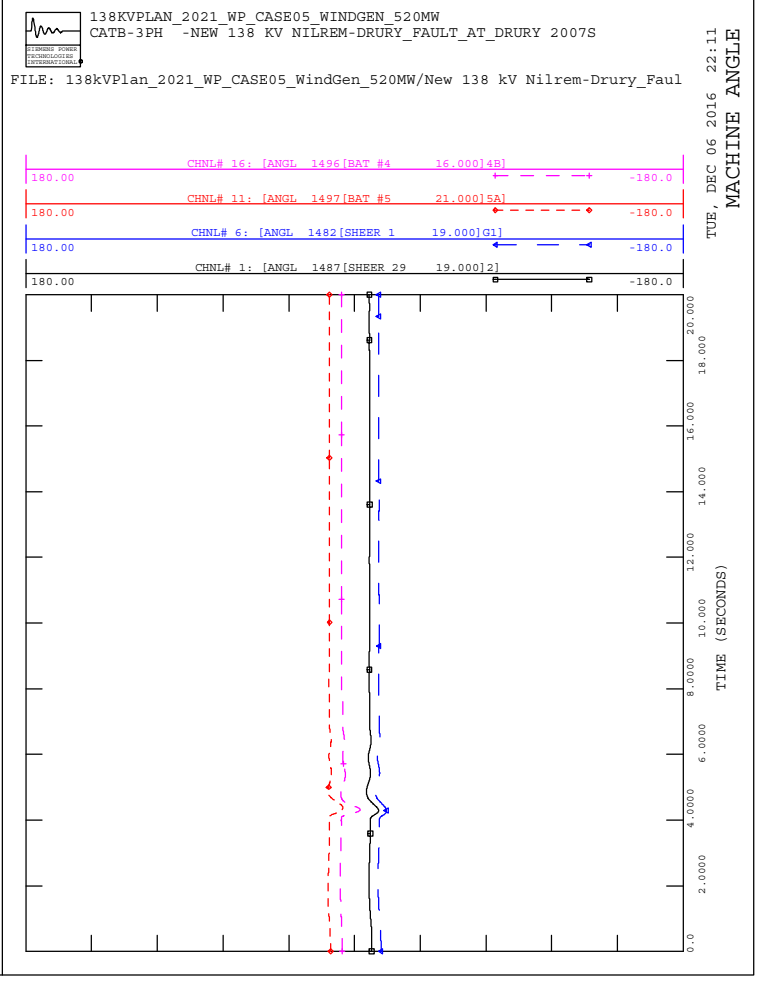

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 22:11
LINE POWER
TIME (SECONDS)

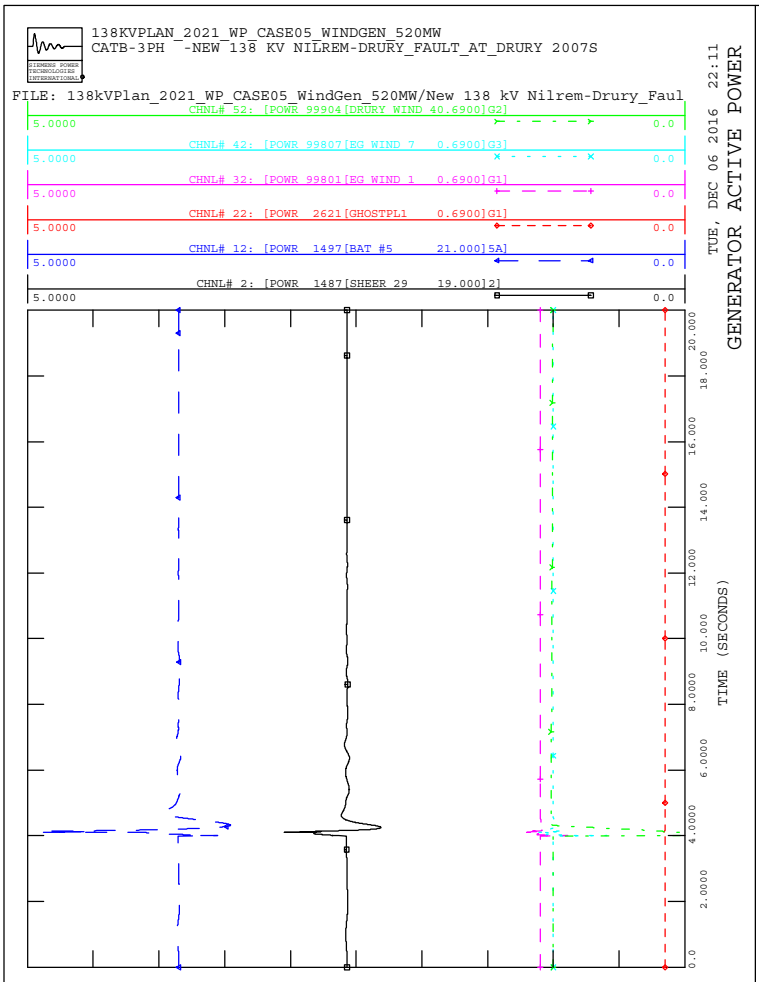

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR REACTIVE POWER
TIME (SECONDS)

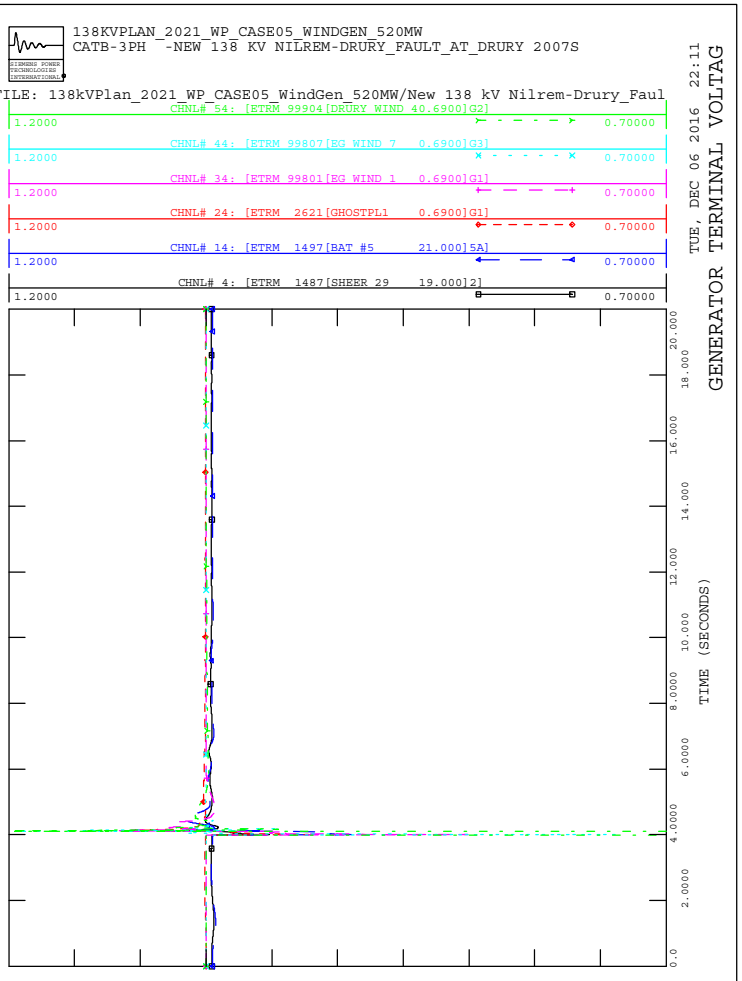

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
TUE, DEC 06 2016 22:11
BUS VOLTAGE
CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 1047 [DRURY138 138.00]]
CHNL# 56: [VOLT 362 [EDGERTO7 138.00]]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

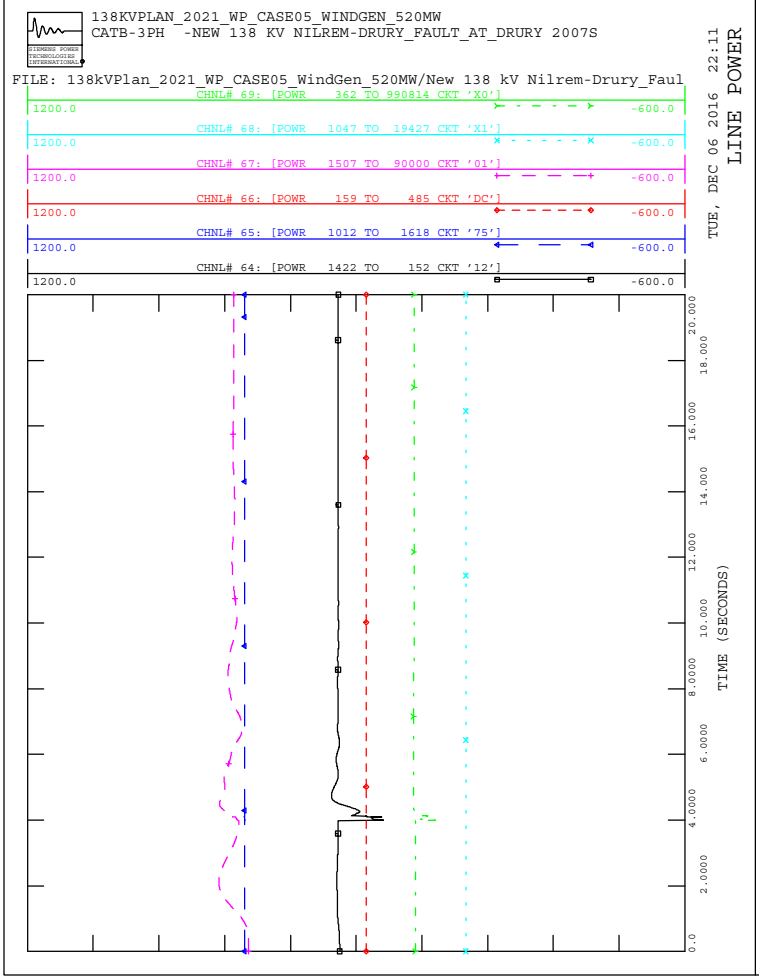

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
TUE, DEC 06 2016 22:11
MACHINE SPEED
CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000
-0.0100
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

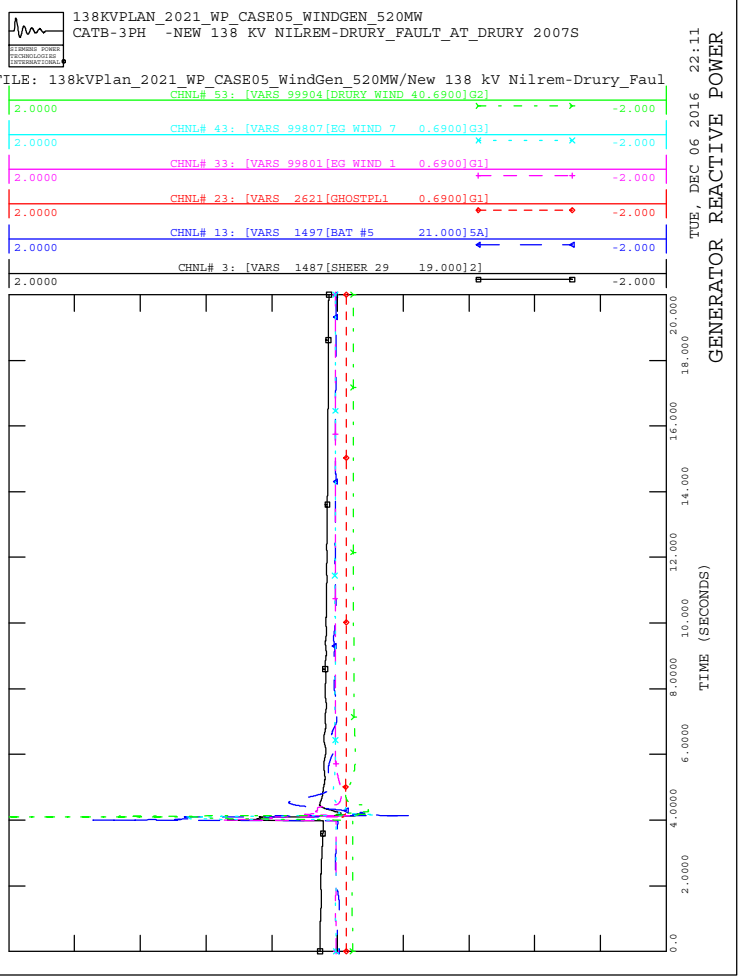

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
TUE, DEC 06 2016 22:11
FREQUENCY
CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000
59.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
TUE, DEC 06 2016 22:11
MACHINE ANGLE
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00
-180.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR ACTIVE POWER
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, DEC 06 2016 22:11
LINE POWER
TIME (SECONDS)

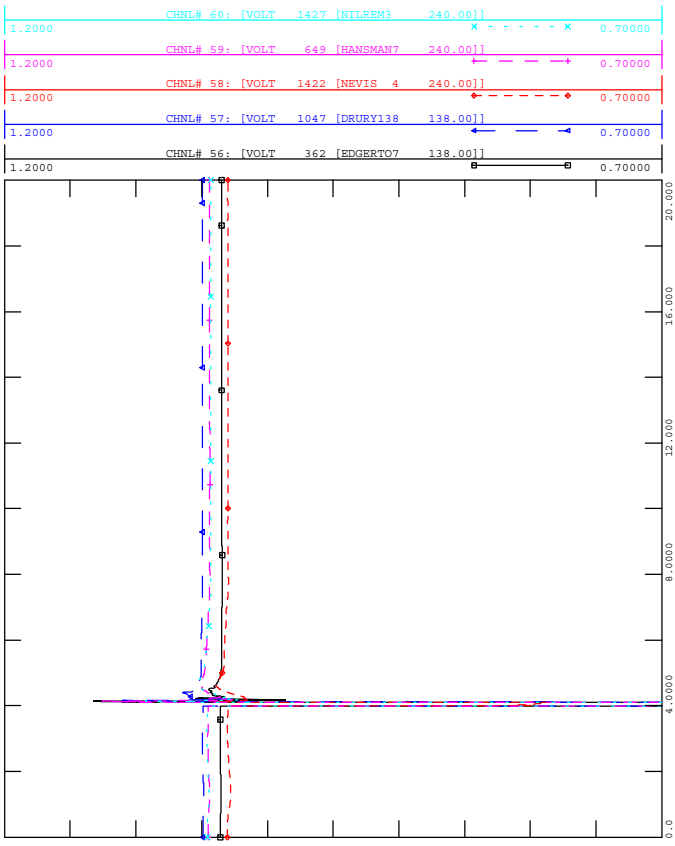

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, DEC 06 2016 22:11
GENERATOR REACTIVE POWER
TIME (SECONDS)

138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 22:11

BUS VOLTAGE

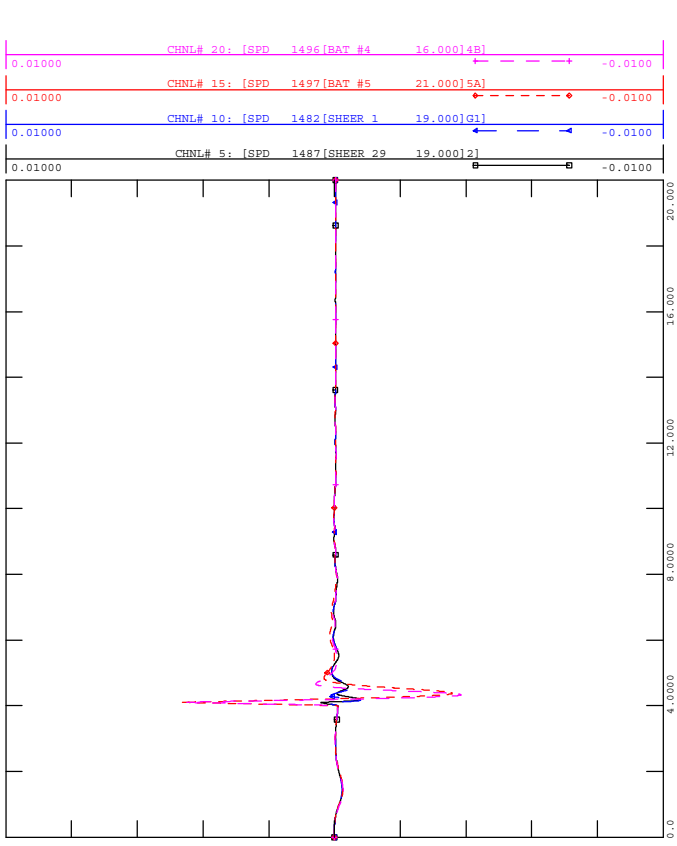


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 22:11

MACHINE SPEED

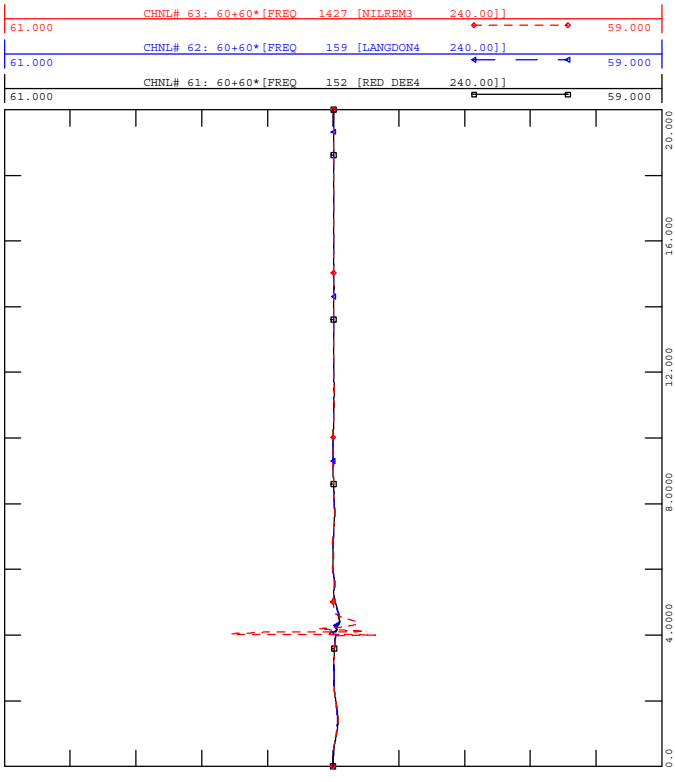


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul

TUE, DEC 06 2016 22:11

FREQUENCY

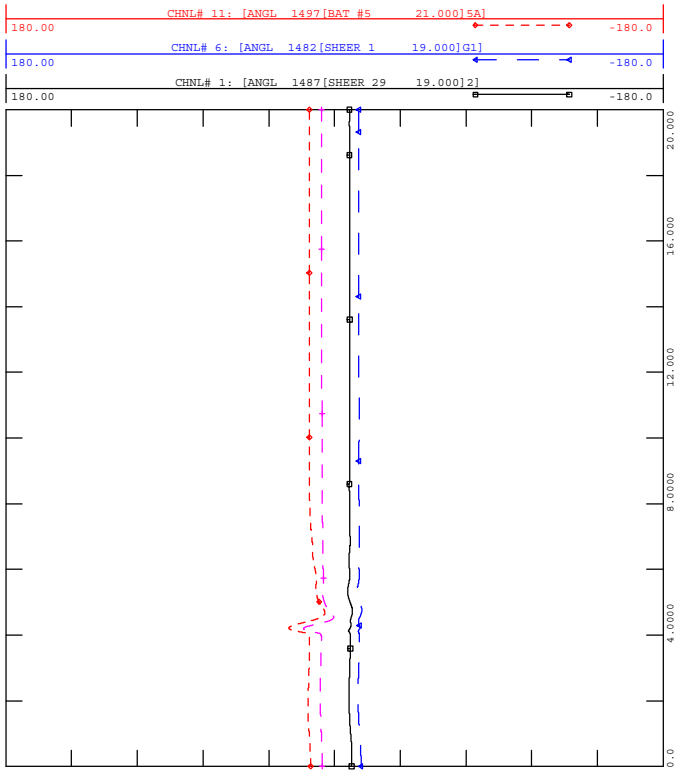


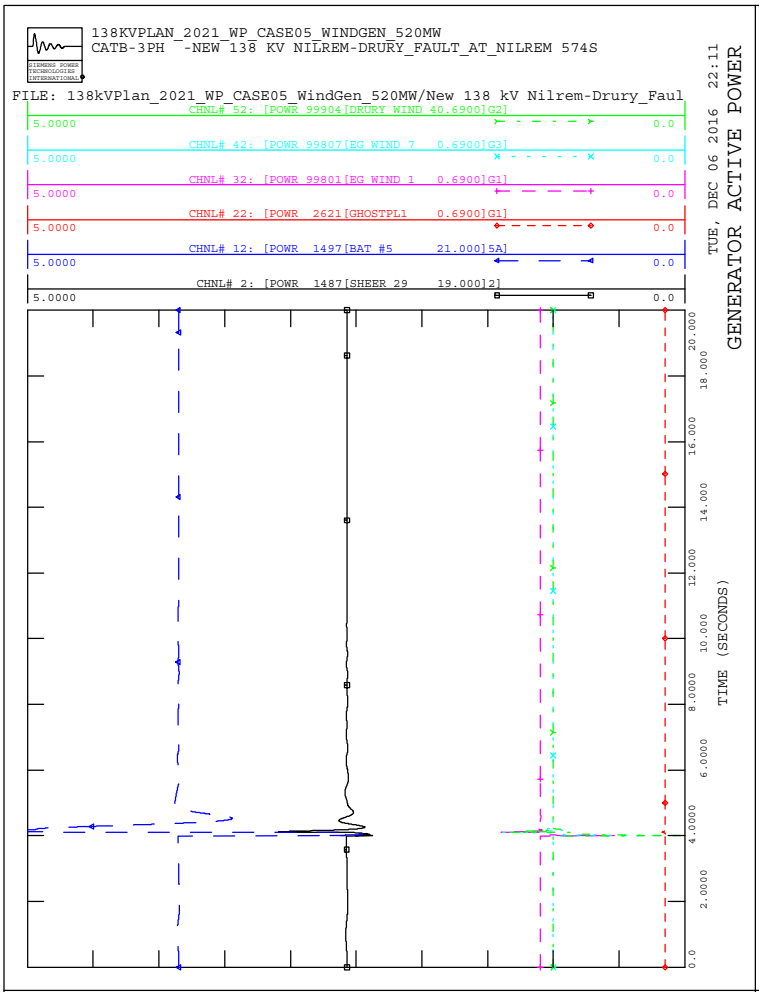
138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S

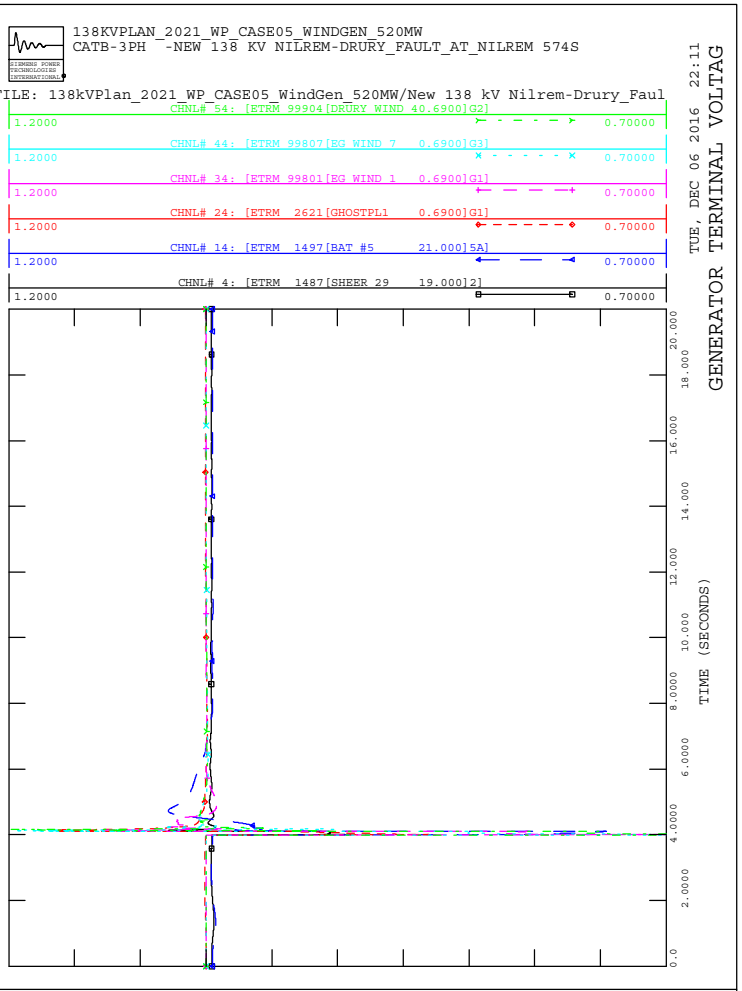
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul

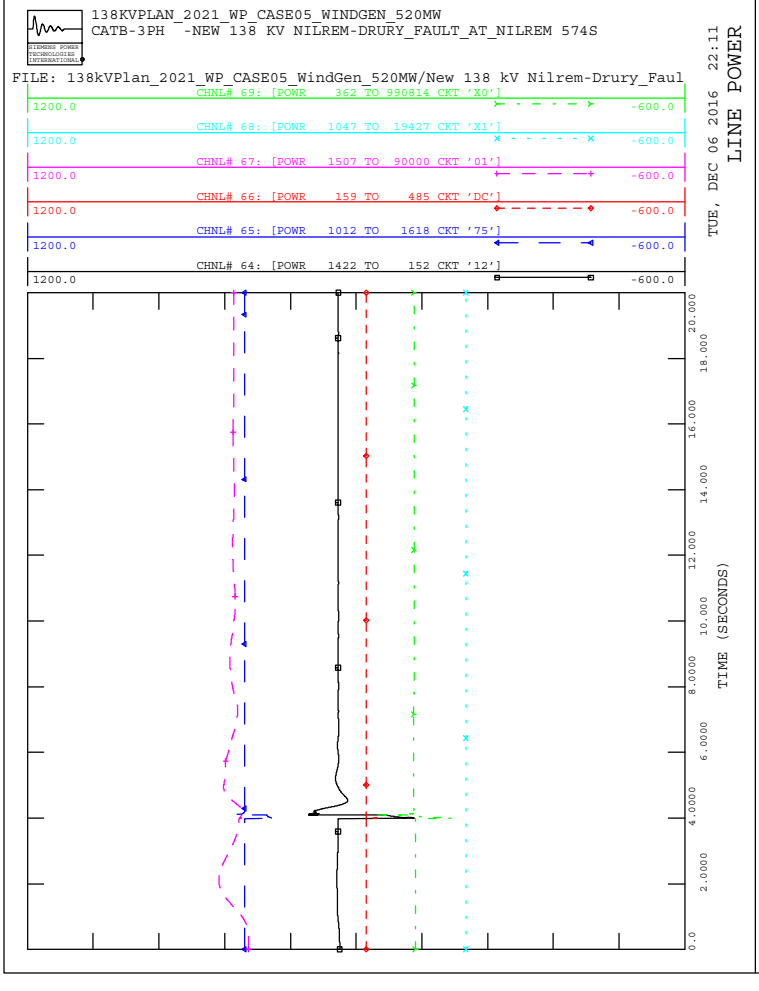
TUE, DEC 06 2016 22:11

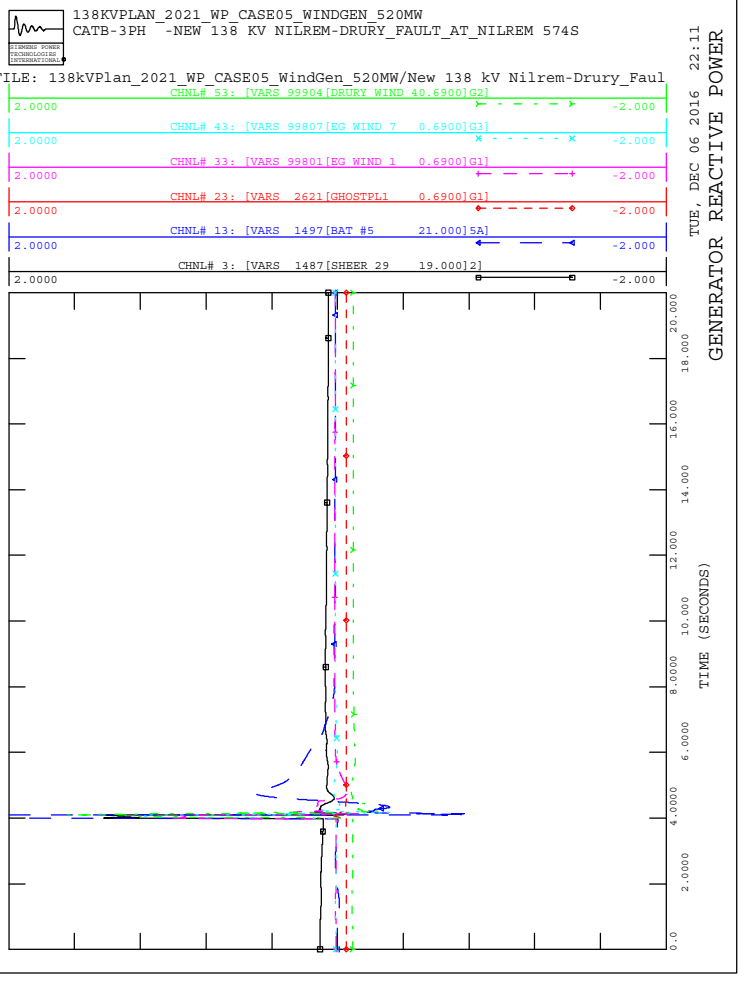
MACHINE ANGLE




138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, DEC 06 2016 22:11
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, DEC 06 2016 22:11
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 1047 TO 19427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, DEC 06 2016 22:11
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


138KVPLAN_2021_WP_CASE05_WINDGEN_520MW
CATB-3PH -NEW 138 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 138kVPlan_2021_WP_CASE05_WindGen_520MW/New 138 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, DEC 06 2016 22:11
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Summer Light

Category A (No contingency, No Fault)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATA

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW.out

MON, NOV 21 2016 13:21

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]] 1.2000 0.70000
CHNL# 56: [VOLT 990362 [EDGE240 240.00]] 1.2000 0.70000

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATA

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW.out

MON, NOV 21 2016 13:21

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATA

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW.out

MON, NOV 21 2016 13:21

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATA

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW.out

MON, NOV 21 2016 13:21

MACHINE ANGEL

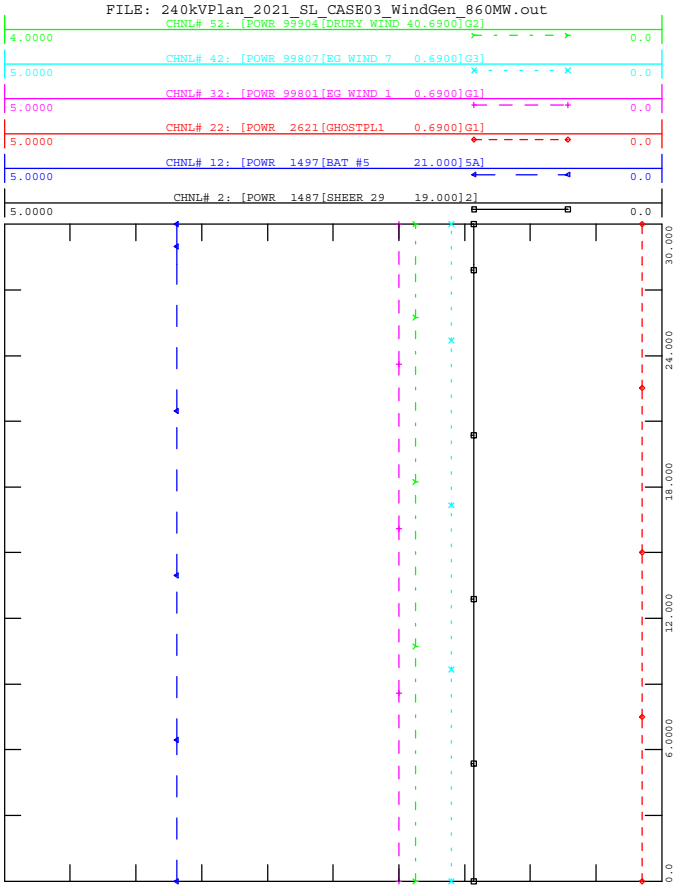
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

0.0 3.0000 6.0000 9.0000 12.000 15.000 18.000 21.000 24.000 27.000 30.000

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATA

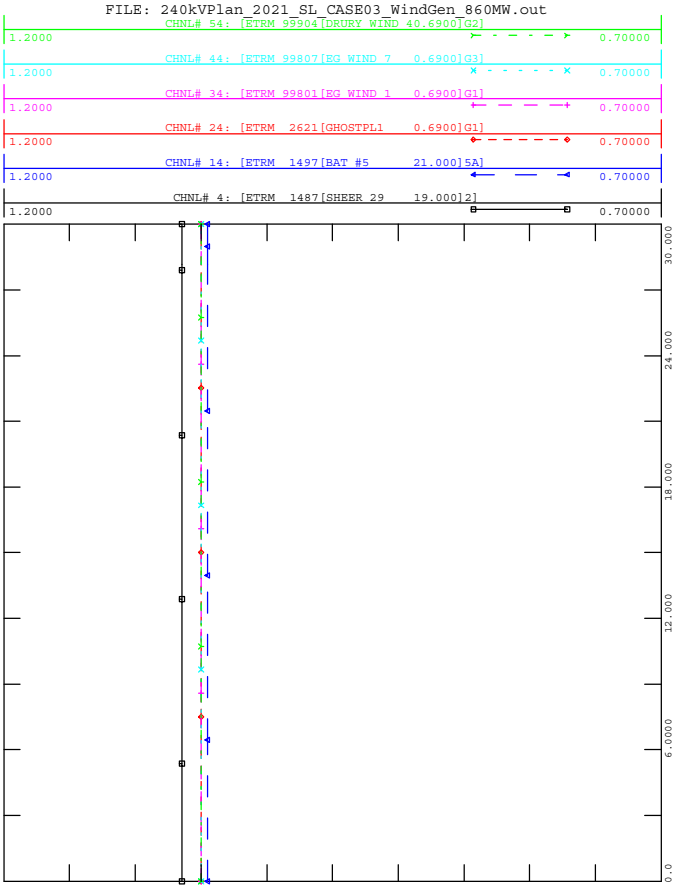
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW.out



MON, NOV 21 2016 13:21
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATA

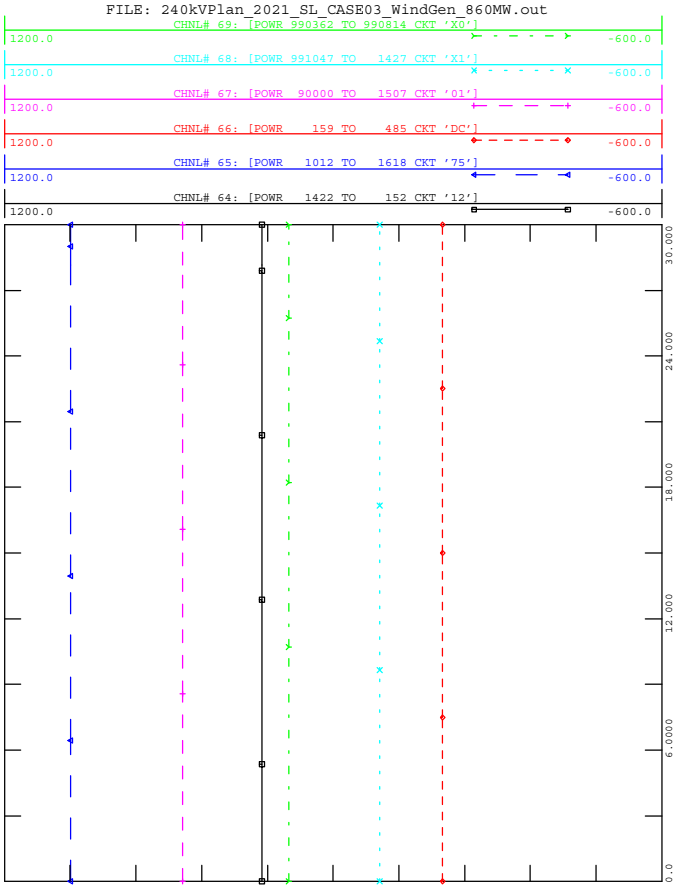
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW.out



MON, NOV 21 2016 13:21
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATA

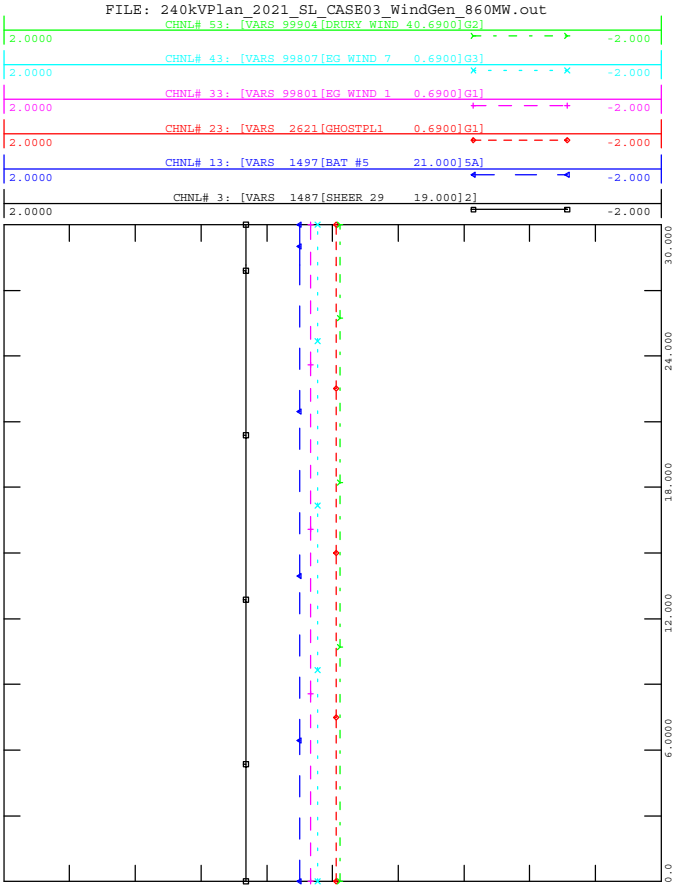
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW.out



MON, NOV 21 2016 13:21
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATA

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW.out



MON, NOV 21 2016 13:21
GENERATOR REACTIVE POWER

Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Winter Peak

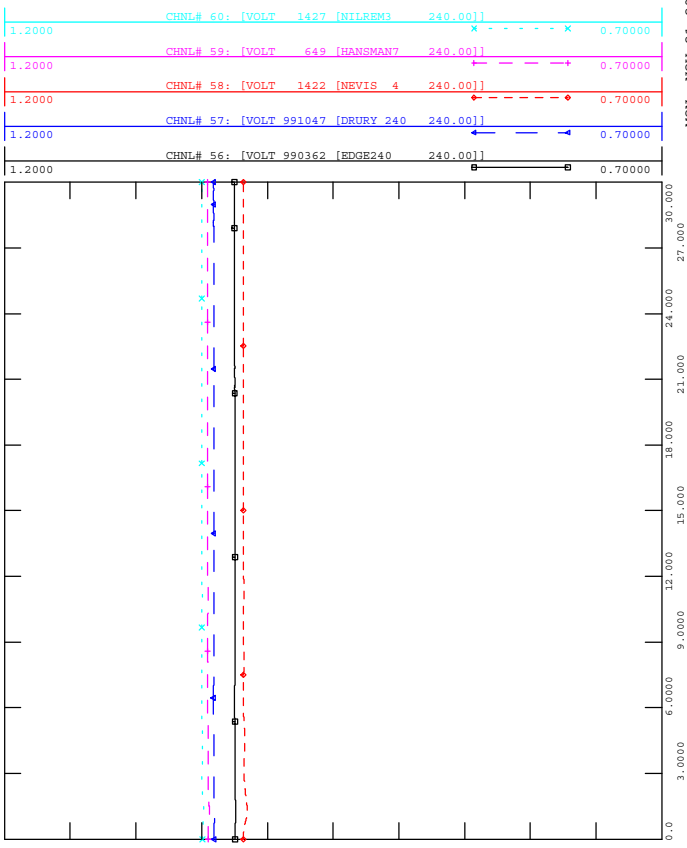
Category A (No contingency, No Fault)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATA

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW.out

MON, NOV 21 2016 13:21

BUS VOLTAGE

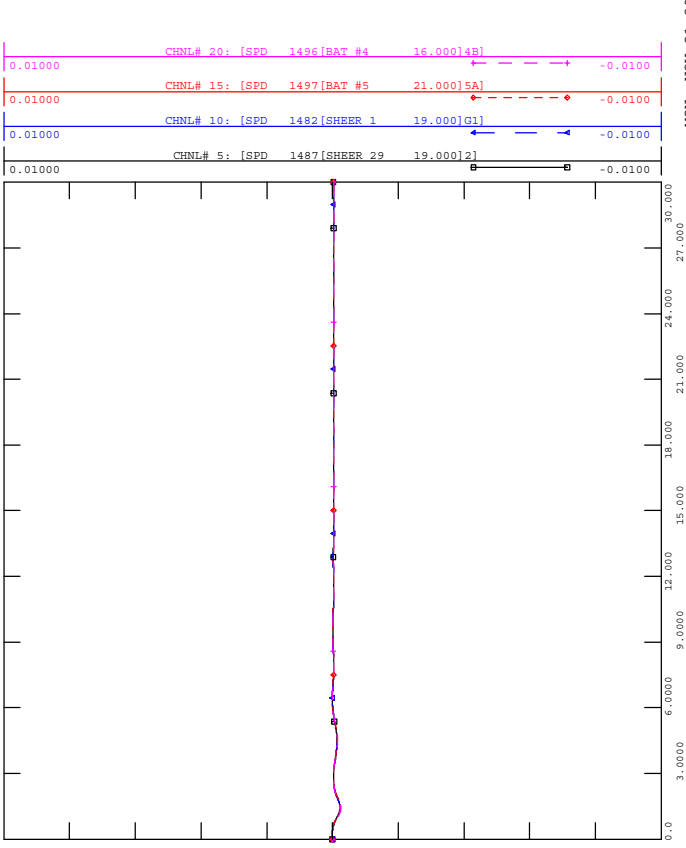


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATA

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW.out

MON, NOV 21 2016 13:21

MACHINE SPEED

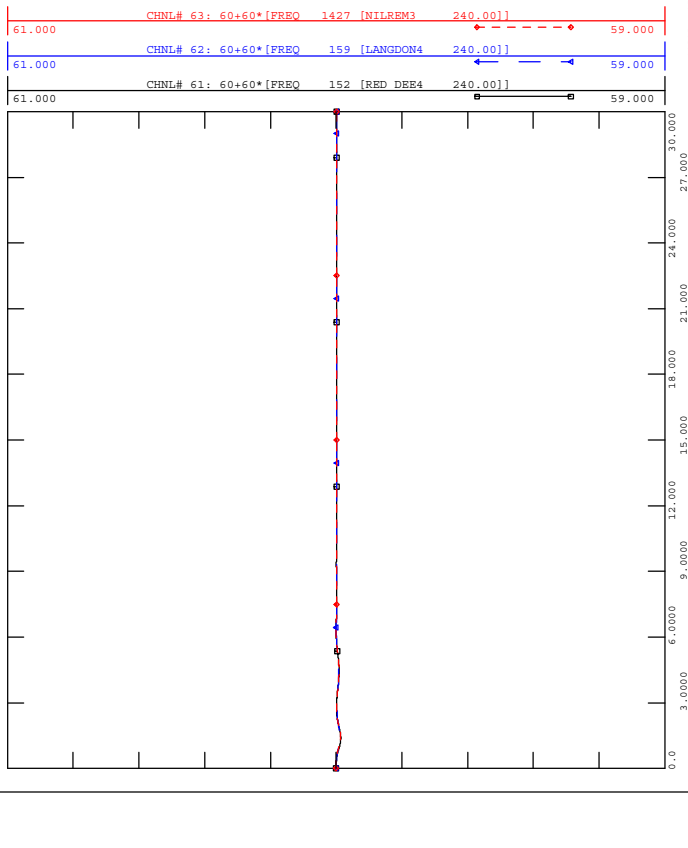


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATA

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW.out

MON, NOV 21 2016 13:21

FREQUENCY

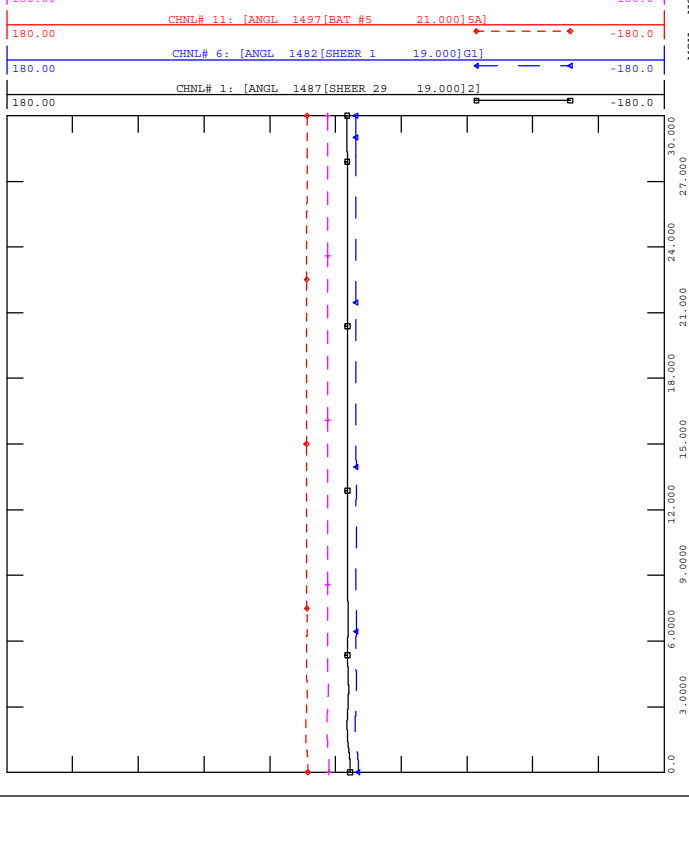


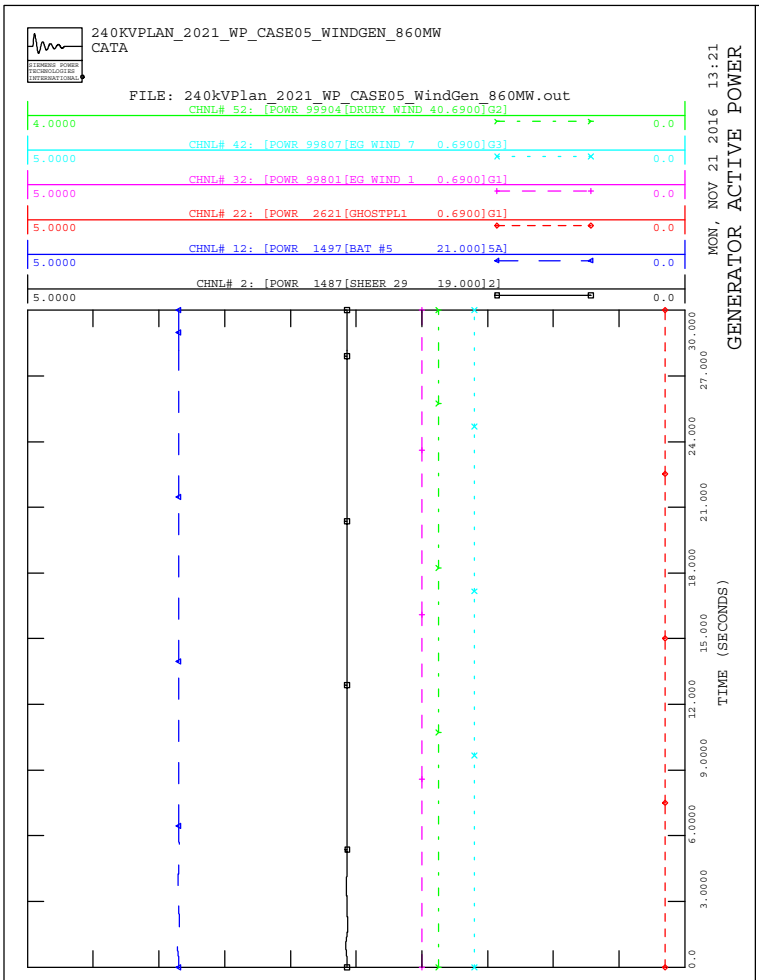
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATA

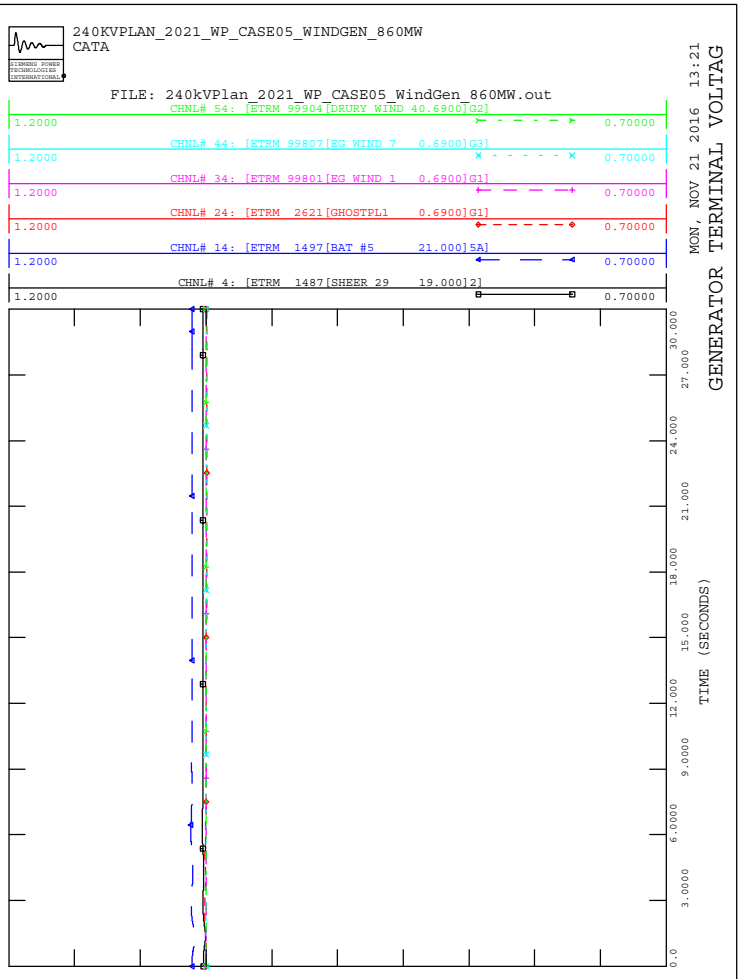
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW.out

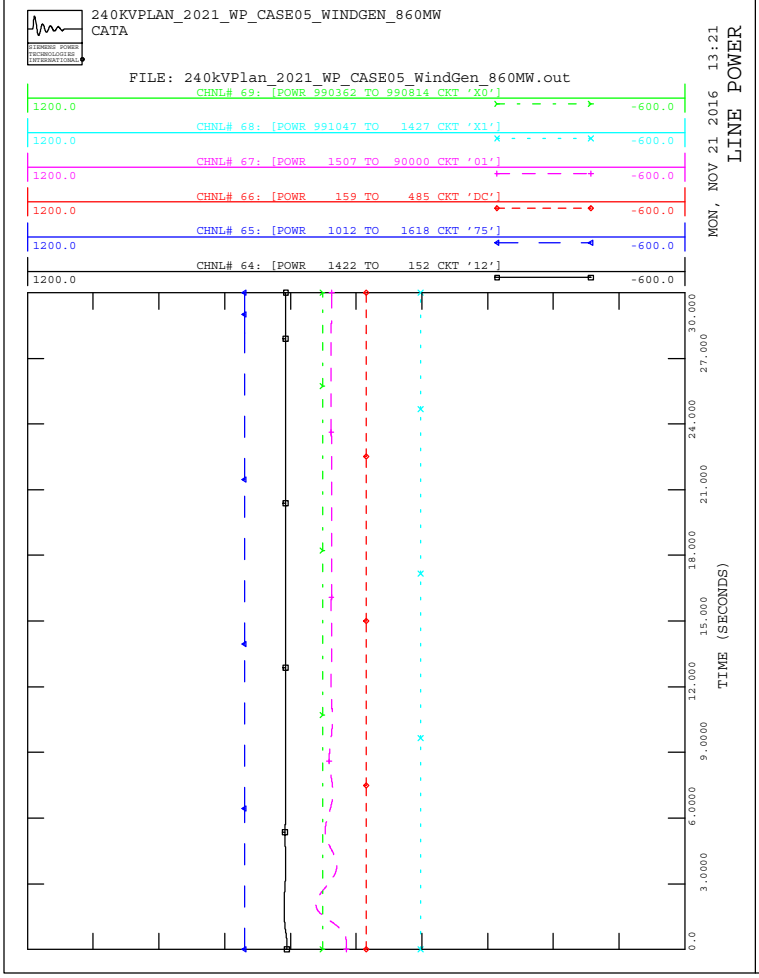
MON, NOV 21 2016 13:21

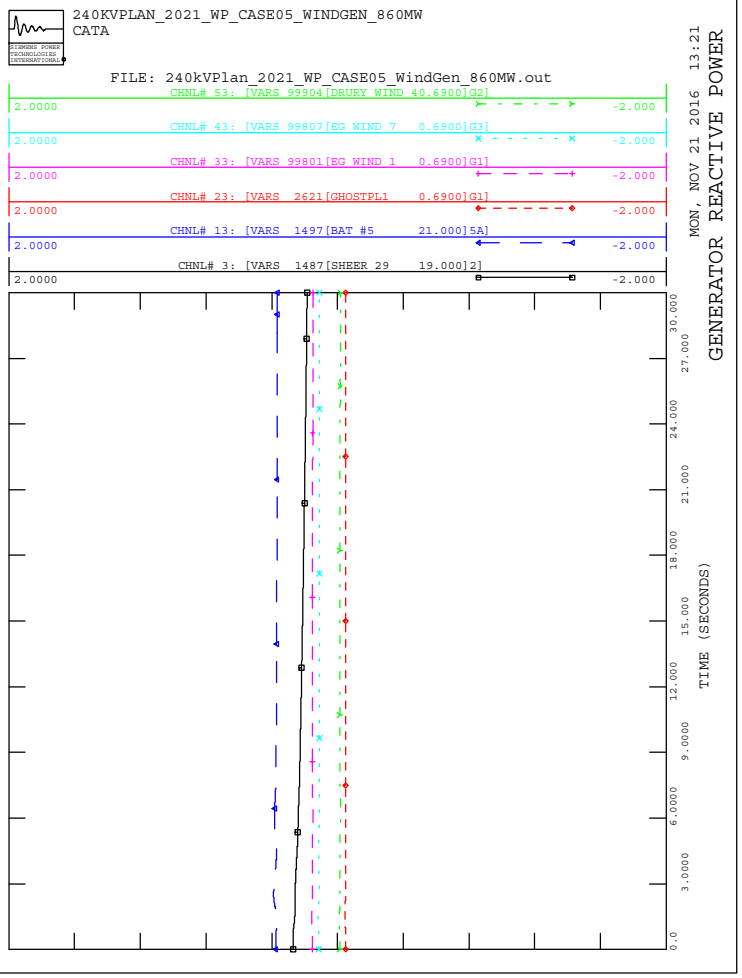
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATA
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:21
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATA
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:21
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATA
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:21
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATA
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:21
GENERATOR REACTIVE POWER
TIME (SECONDS)

Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Summer Light

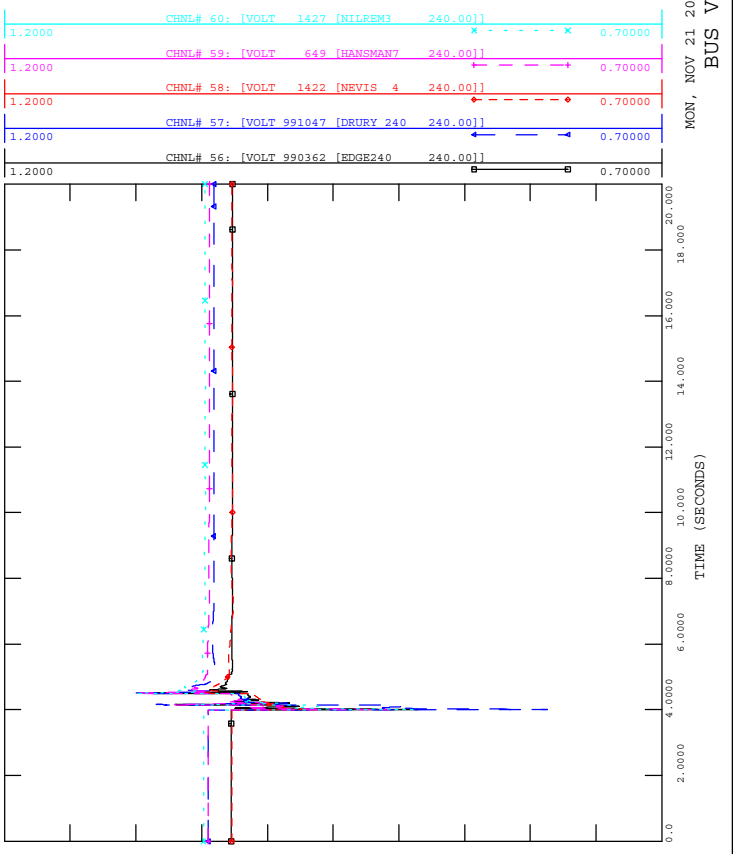
Category B (Three-phase-to-ground Fault)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 13:37

BUS VOLTAGE

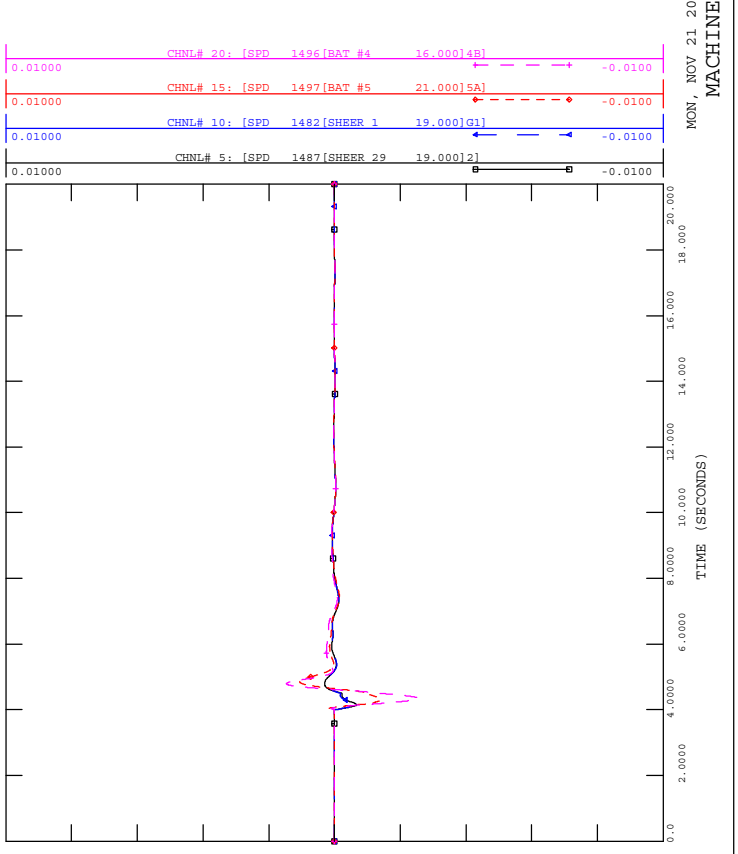


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 13:37

MACHINE SPEED

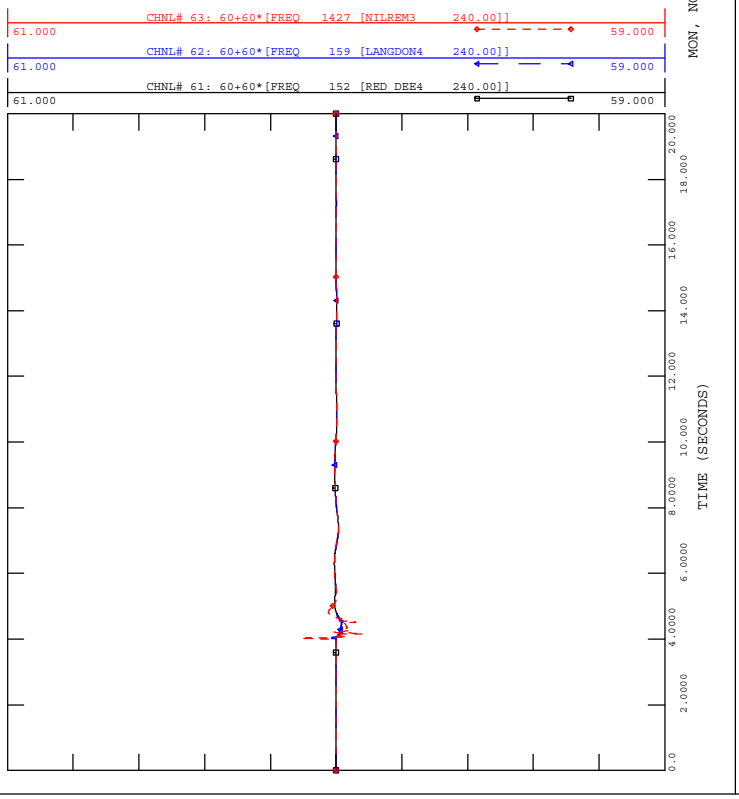


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 13:37

FREQUENCY

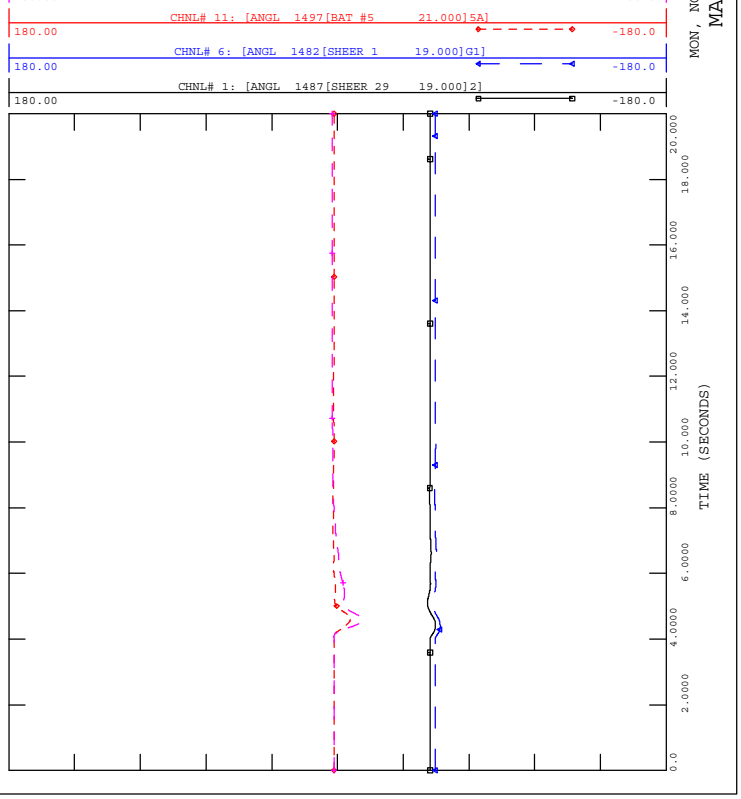


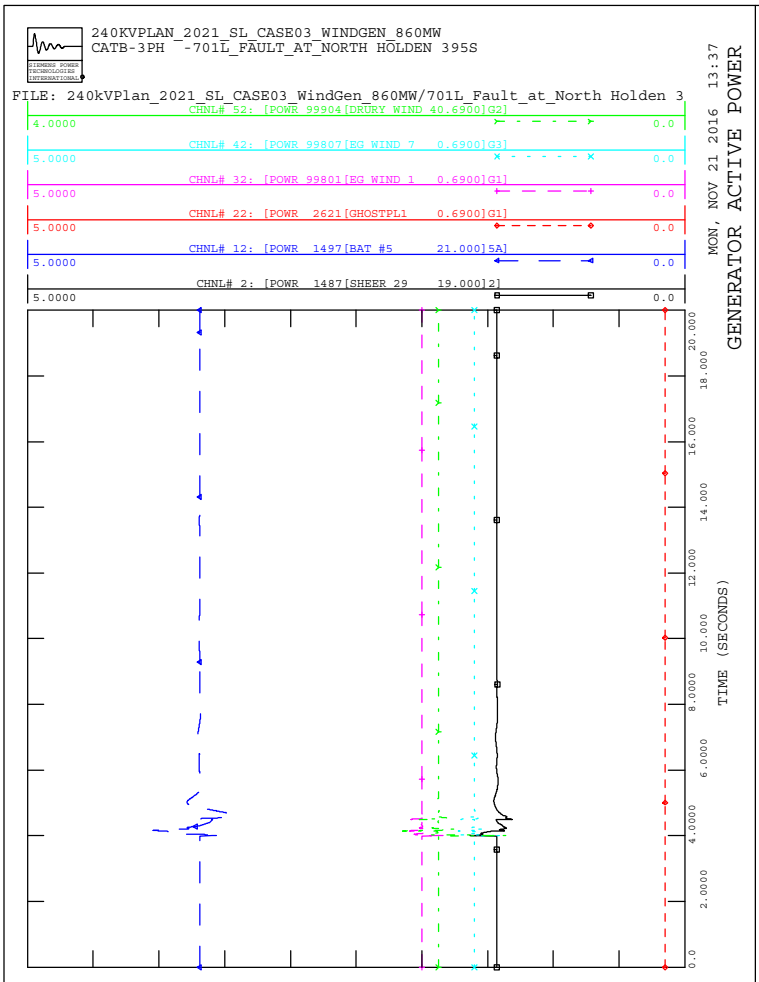
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

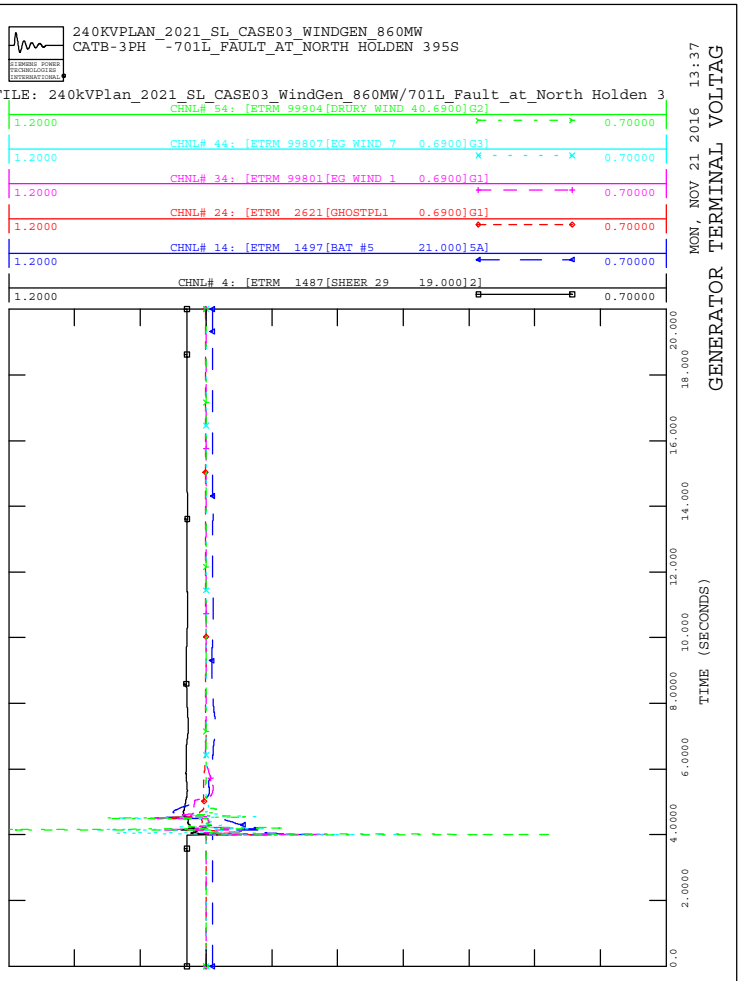
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3

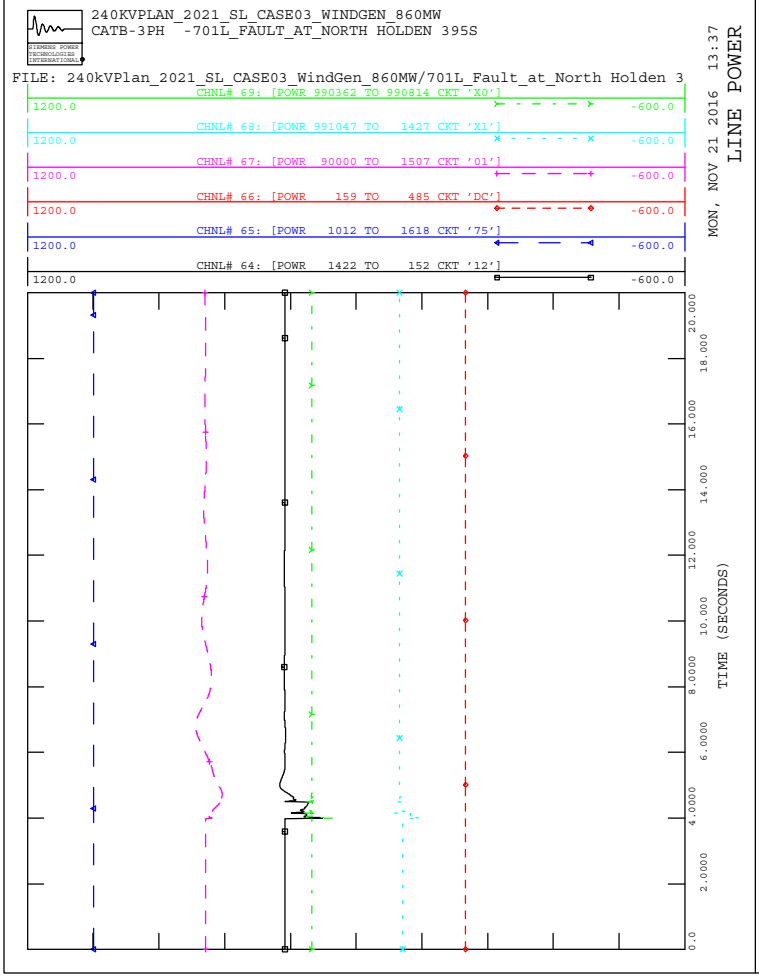
MON, NOV 21 2016 13:37

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
5.0000
5.0000
5.0000
0.0
0.0
0.0
0.0
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
1.2000
1.2000
1.2000
1.2000
1.2000
0.70000
0.70000
0.70000
0.70000
0.70000
0.70000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
1200.0
1200.0
1200.0
1200.0
1200.0
-600.0
-600.0
-600.0
-600.0
-600.0
-600.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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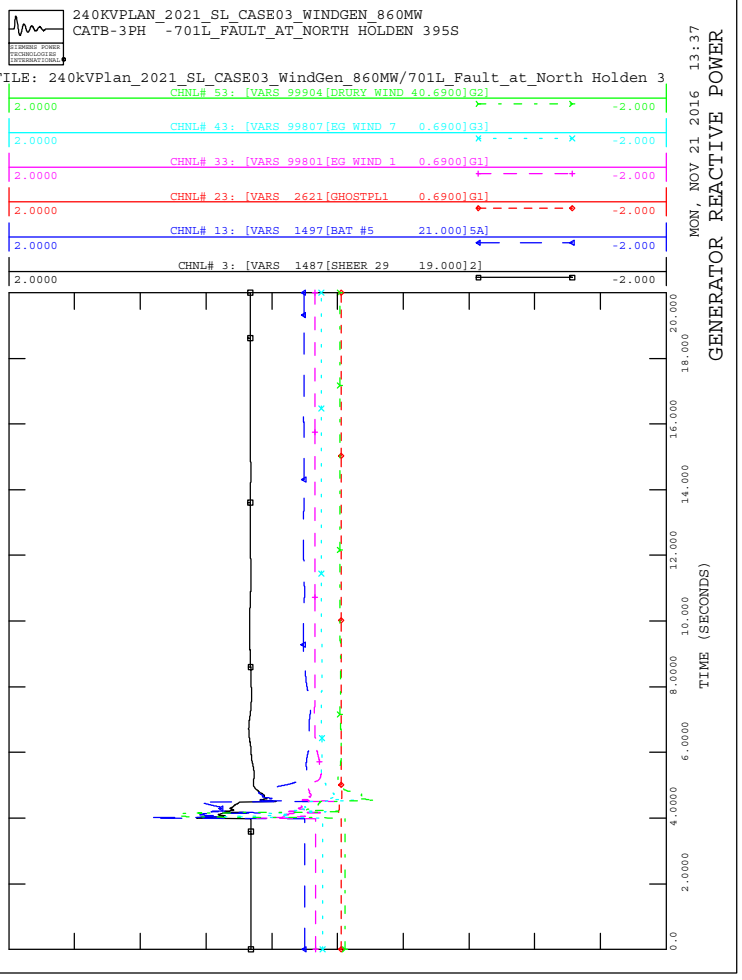
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:37
LINE POWER

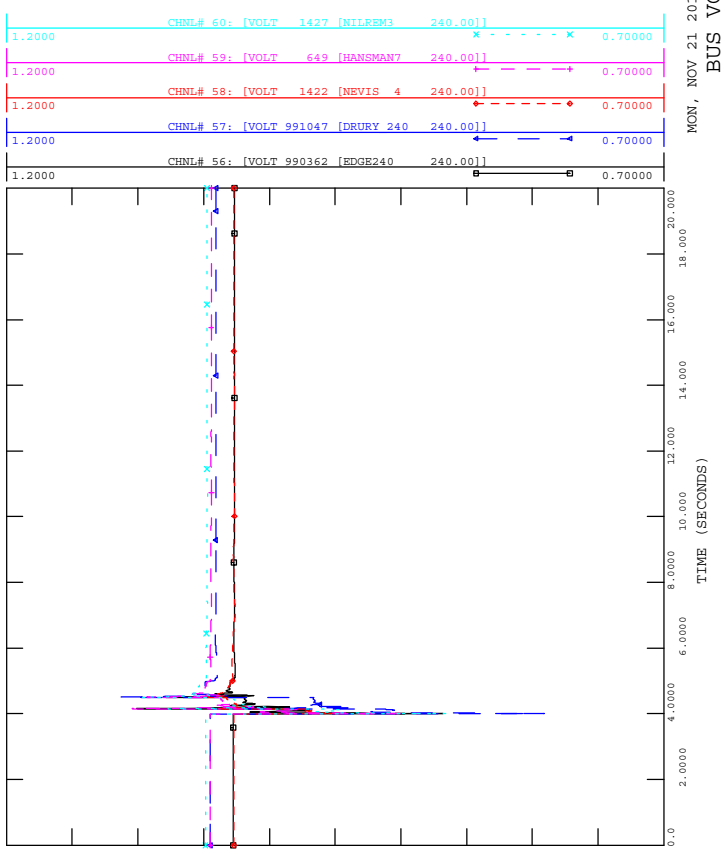

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
2.0000
2.0000
2.0000
2.0000
2.0000
-2.000
-2.000
-2.000
-2.000
-2.000
-2.000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou

MON, NOV 21 2016 13:37

BUS VOLTAGE

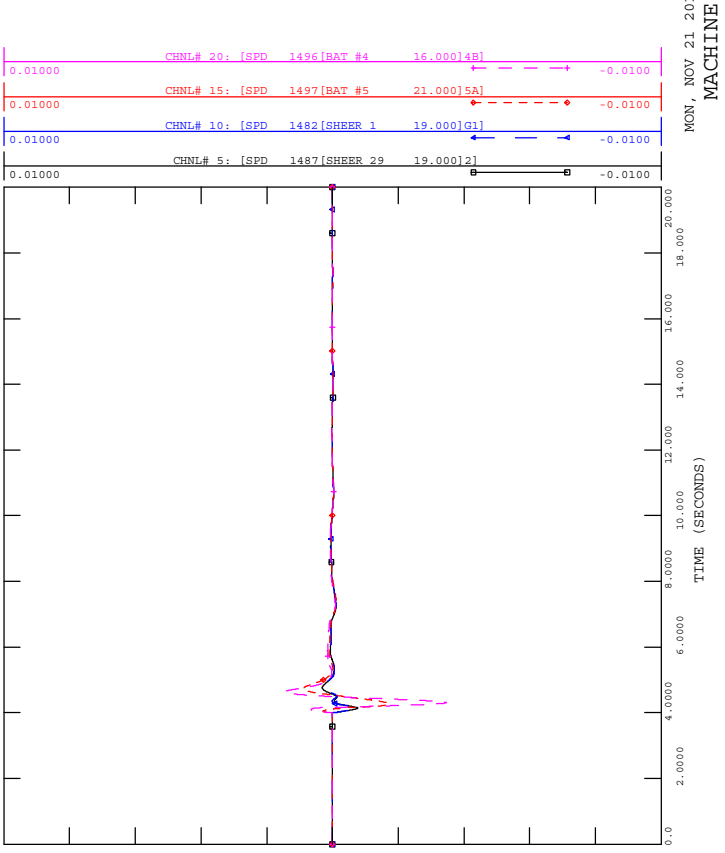


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou

MON, NOV 21 2016 13:37

MACHINE SPEED

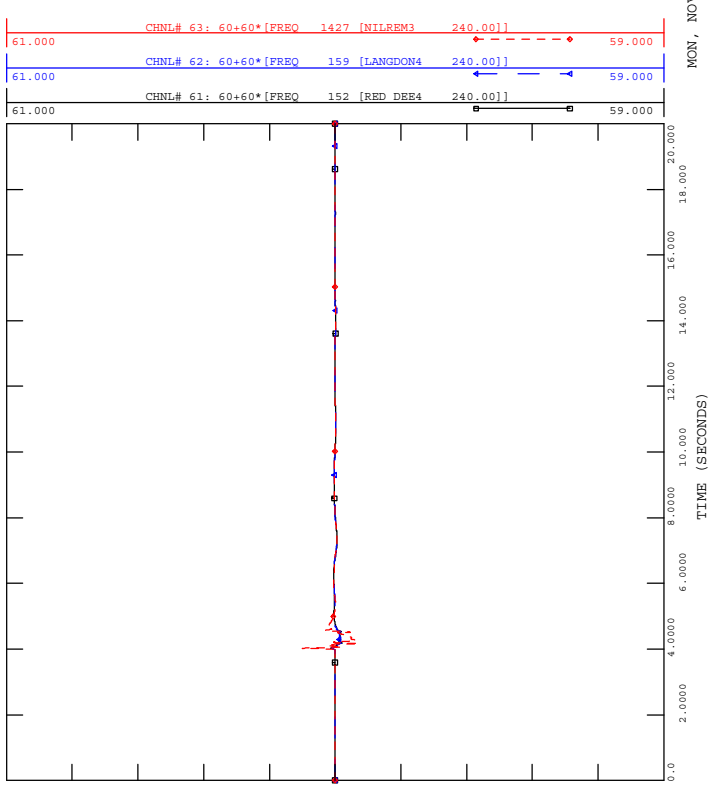


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou

MON, NOV 21 2016 13:37

FREQUENCY

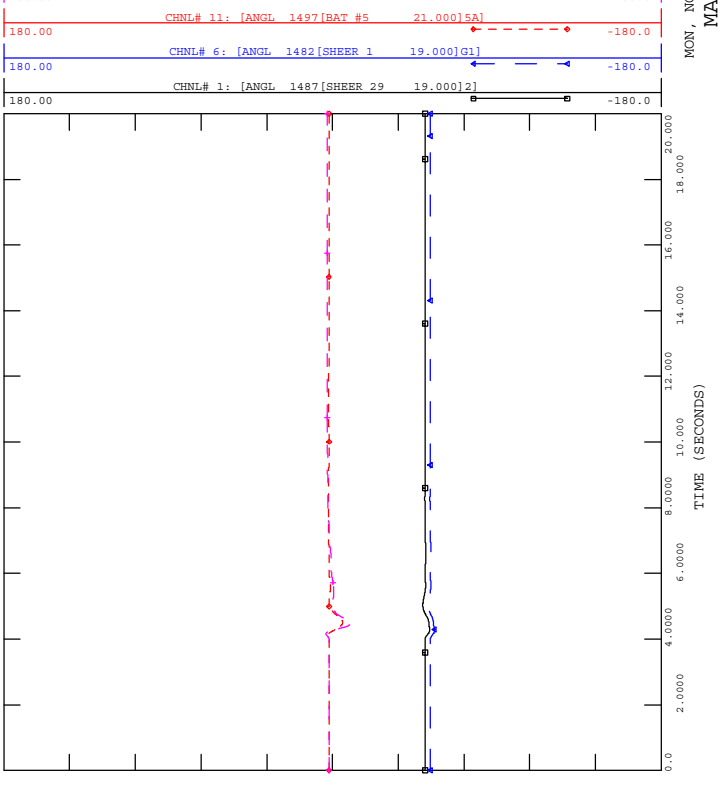


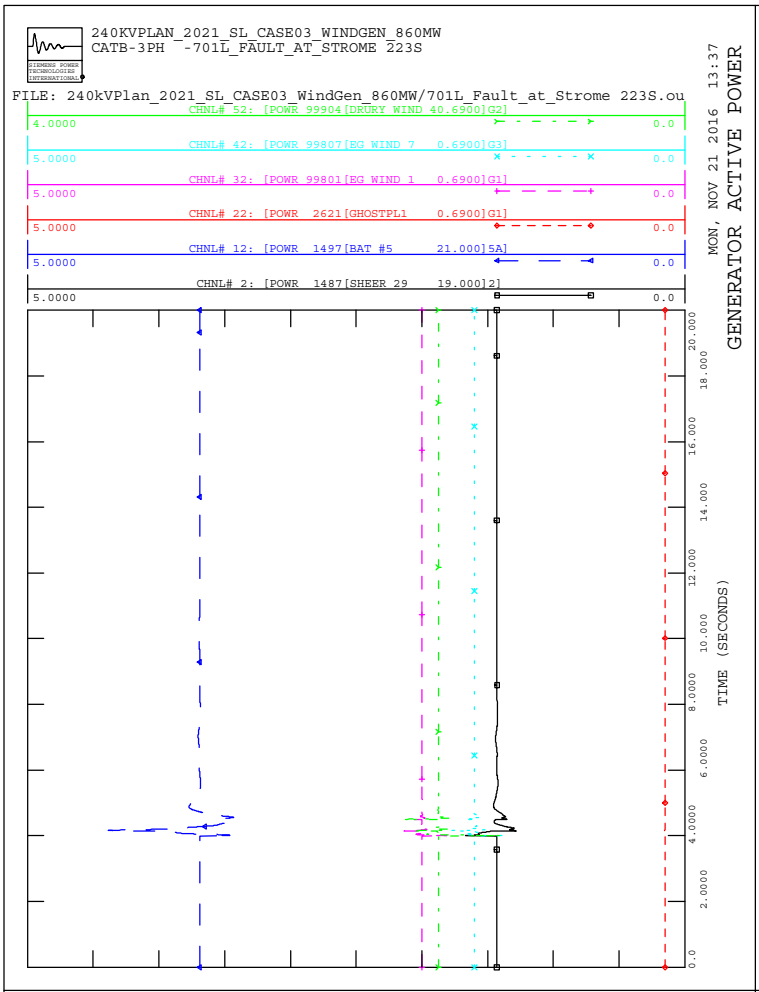
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S

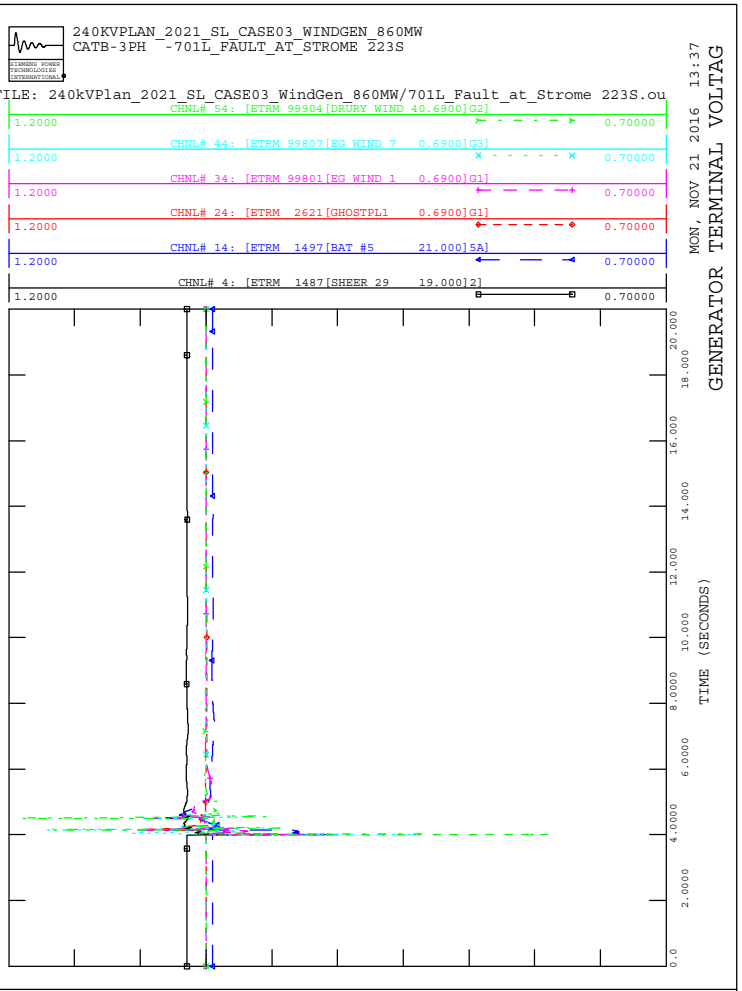
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou

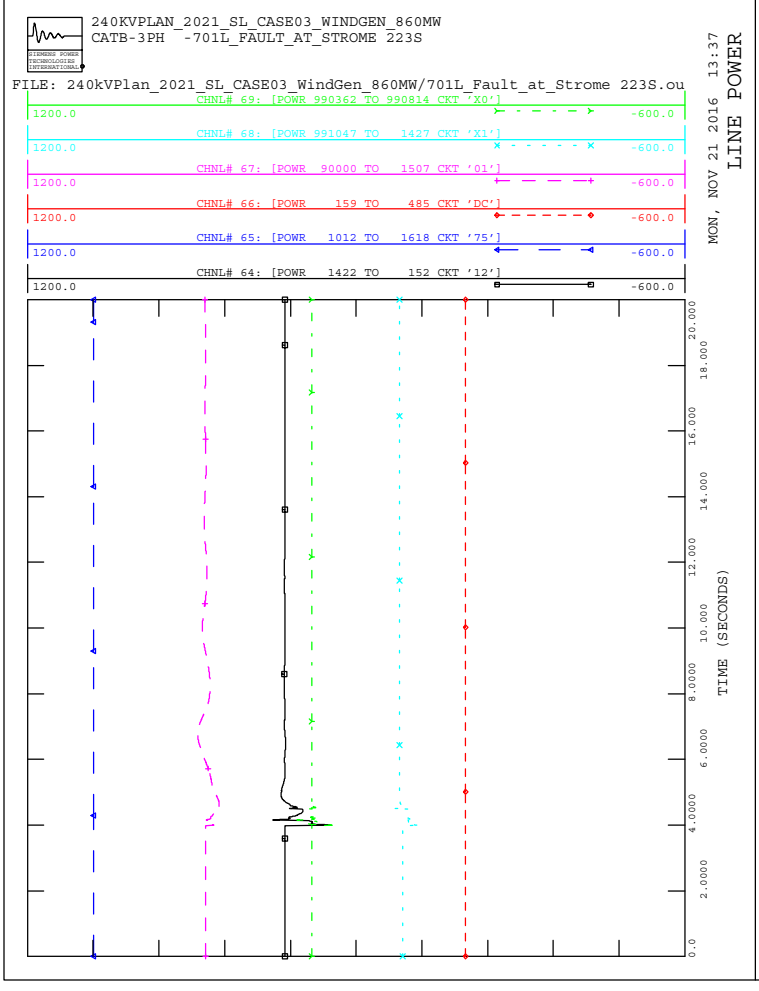
MON, NOV 21 2016 13:37

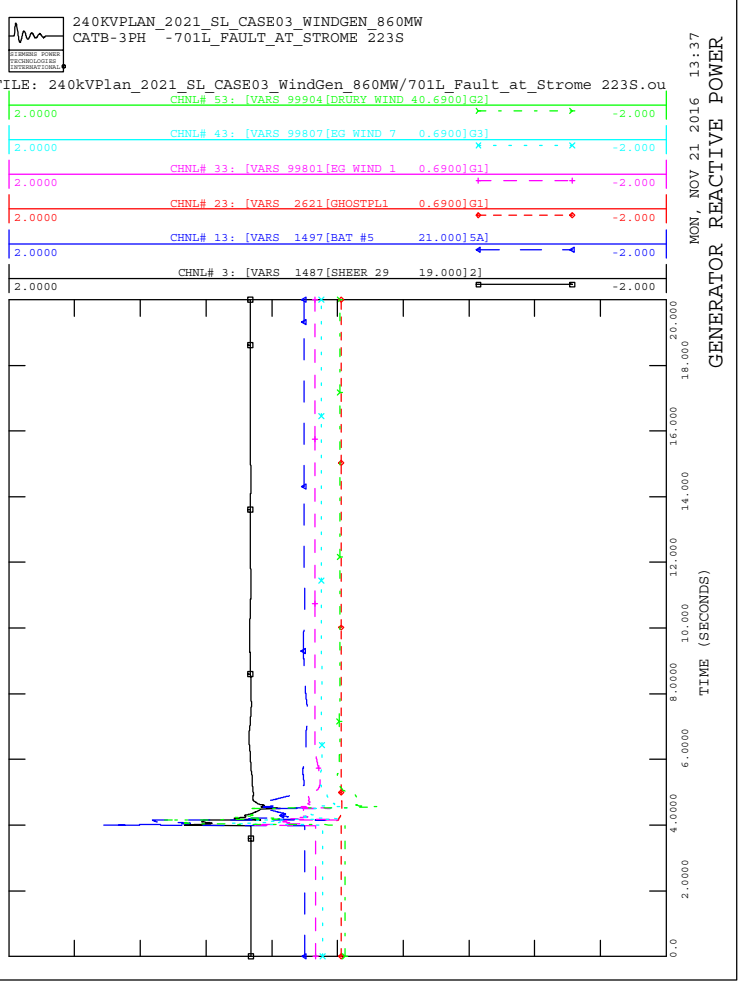
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)

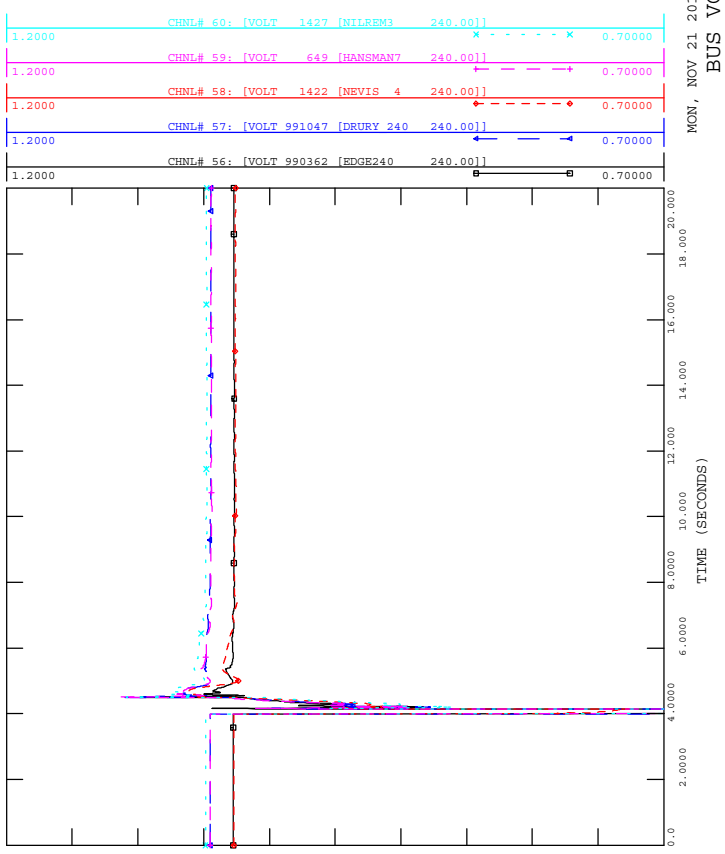

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7

MON, NOV 21 2016 13:37

BUS VOLTAGE



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7

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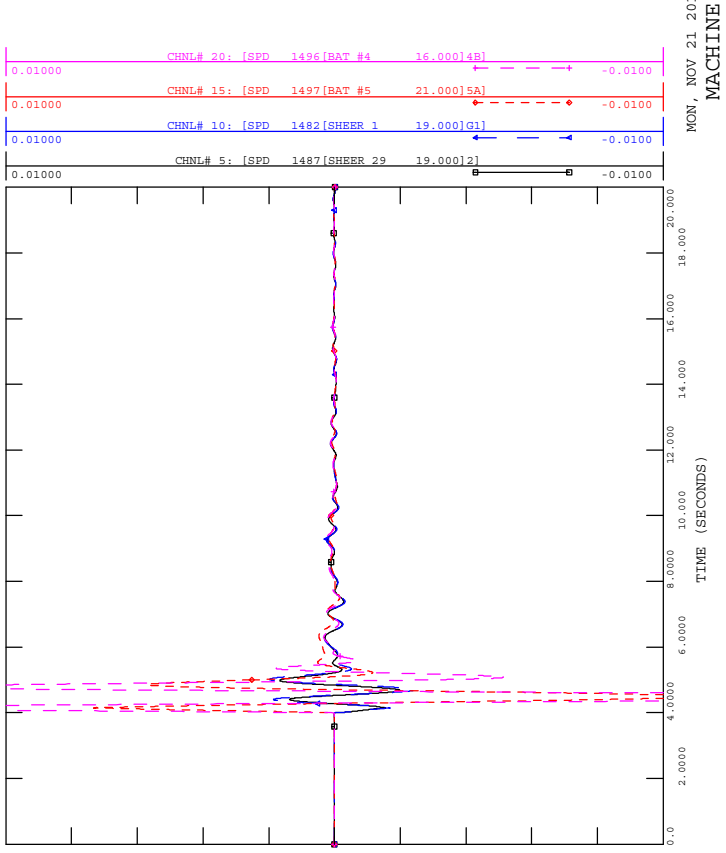
MACHINE SPEED

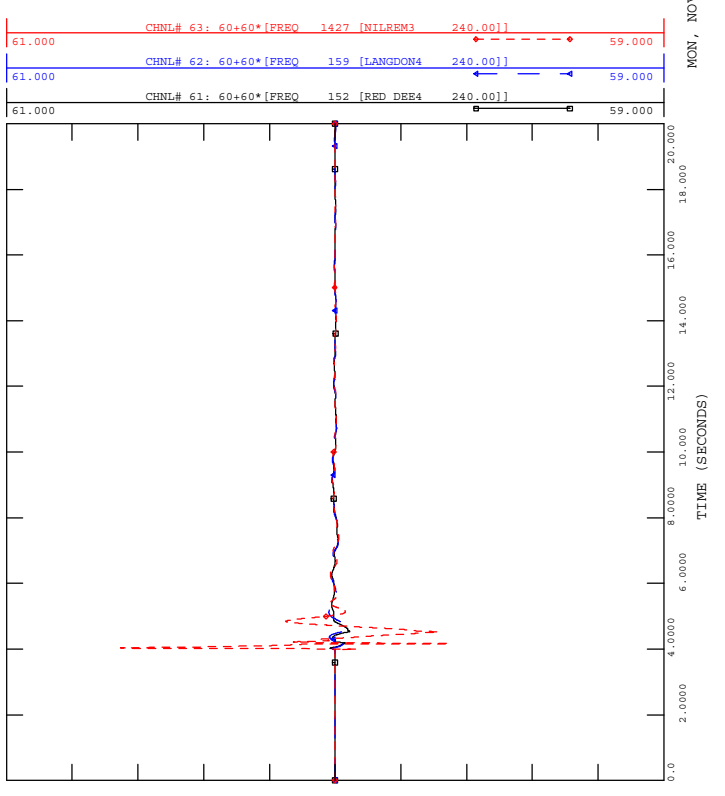


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7

MON, NOV 21 2016 13:37

FREQUENCY



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7

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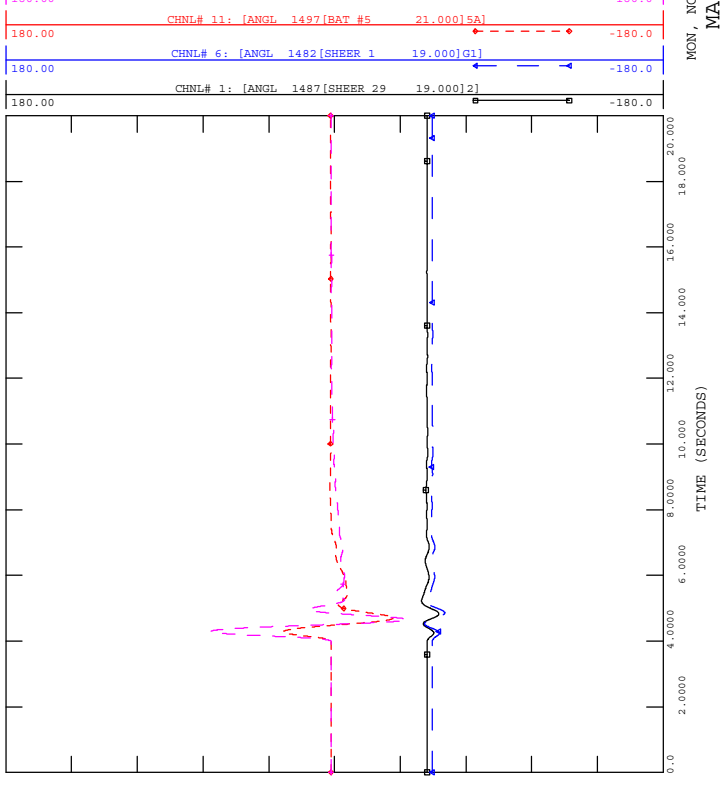
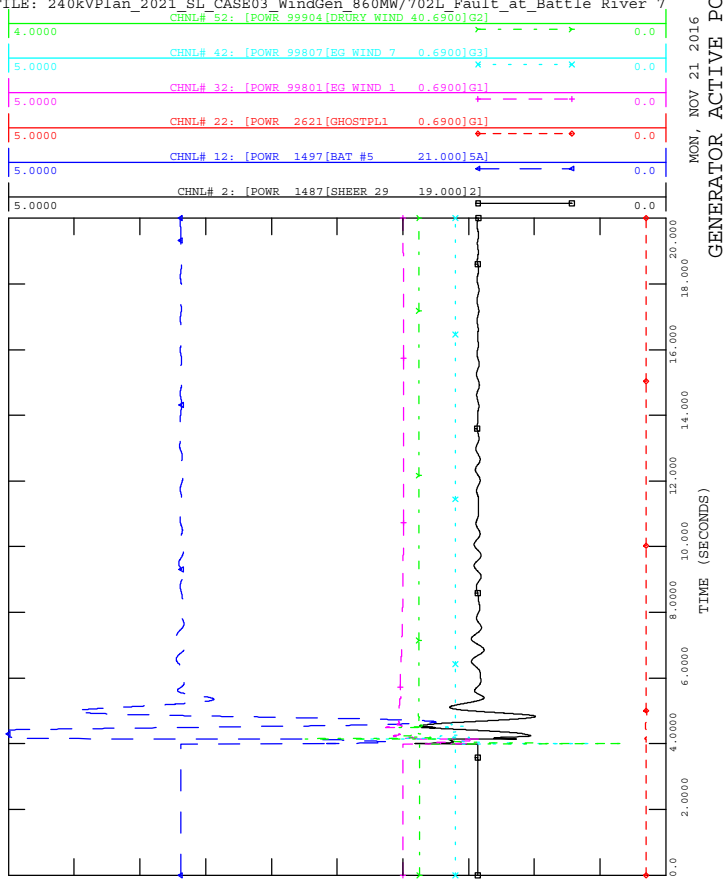
MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

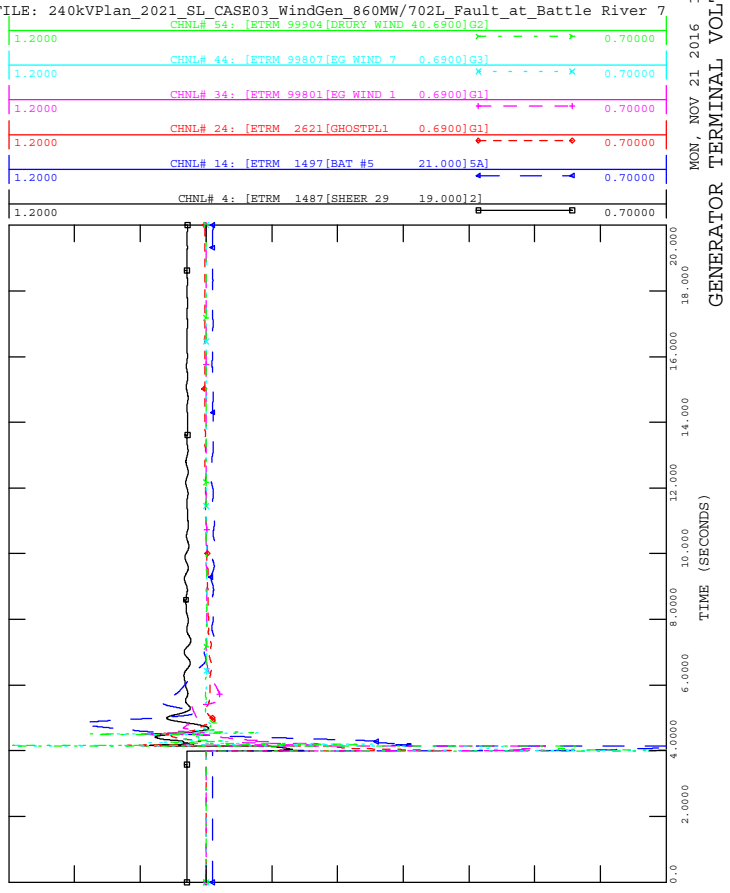
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7



MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

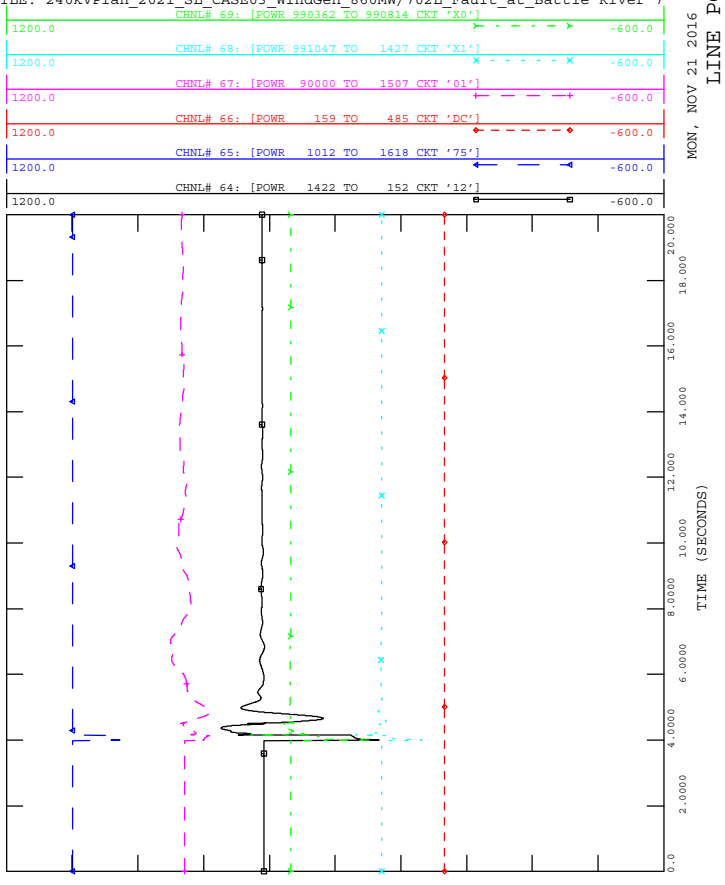
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7



MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

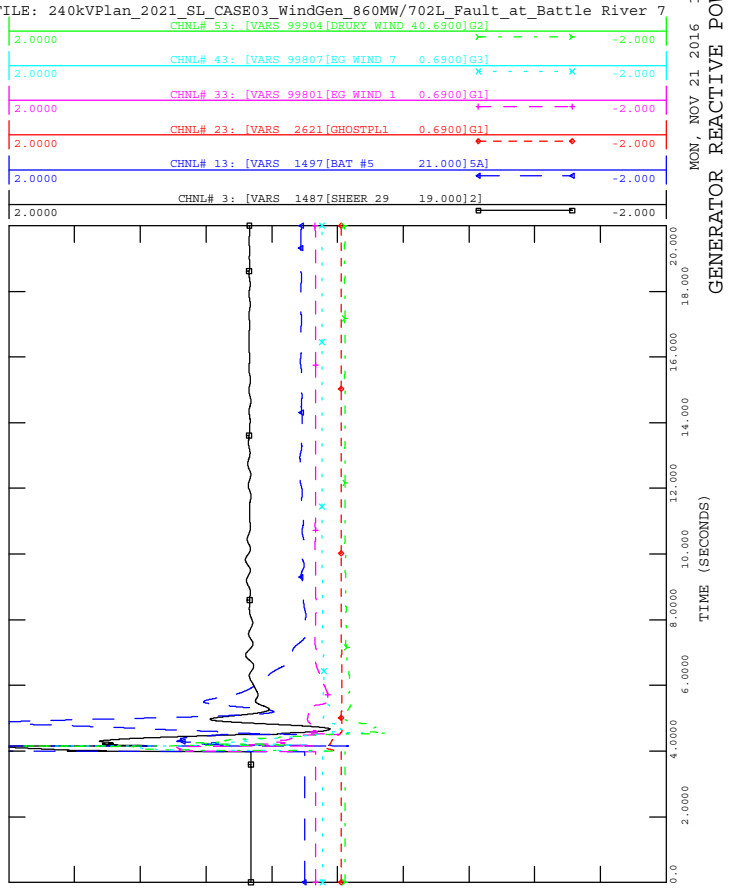
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7



MON, NOV 21 2016 13:37
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7



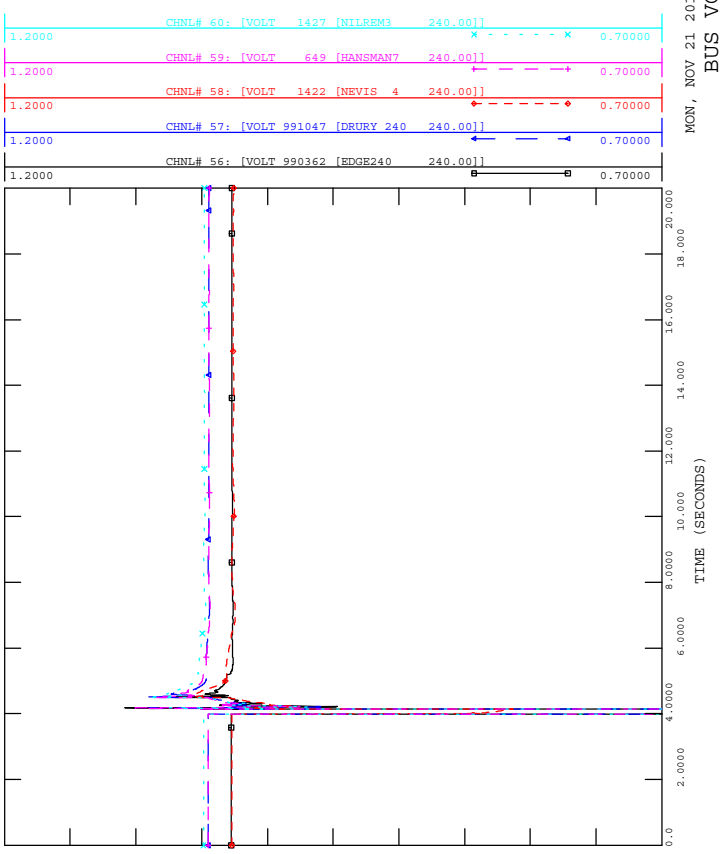
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 13:37

BUS VOLTAGE

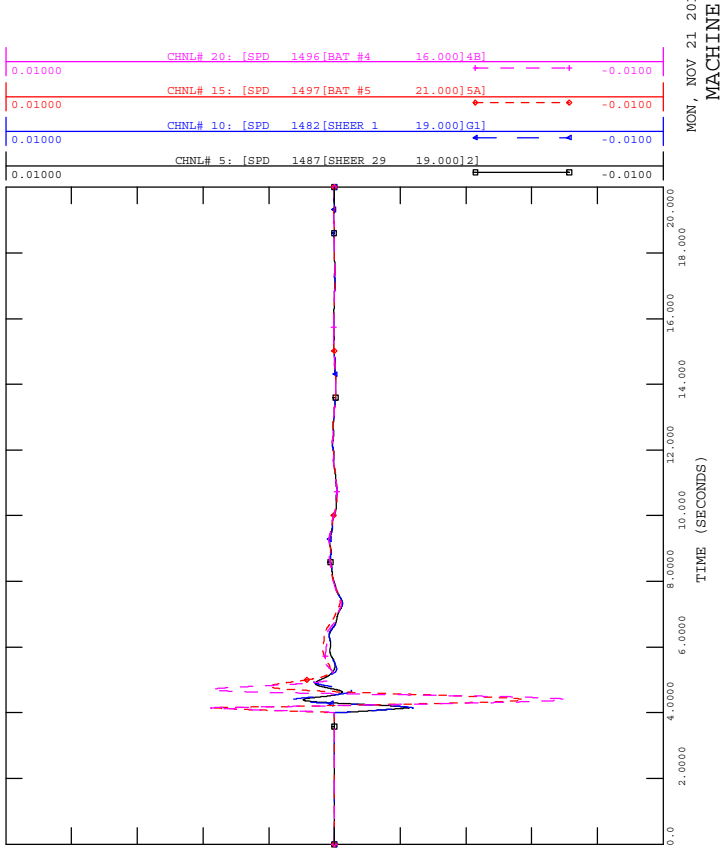


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 13:37

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.

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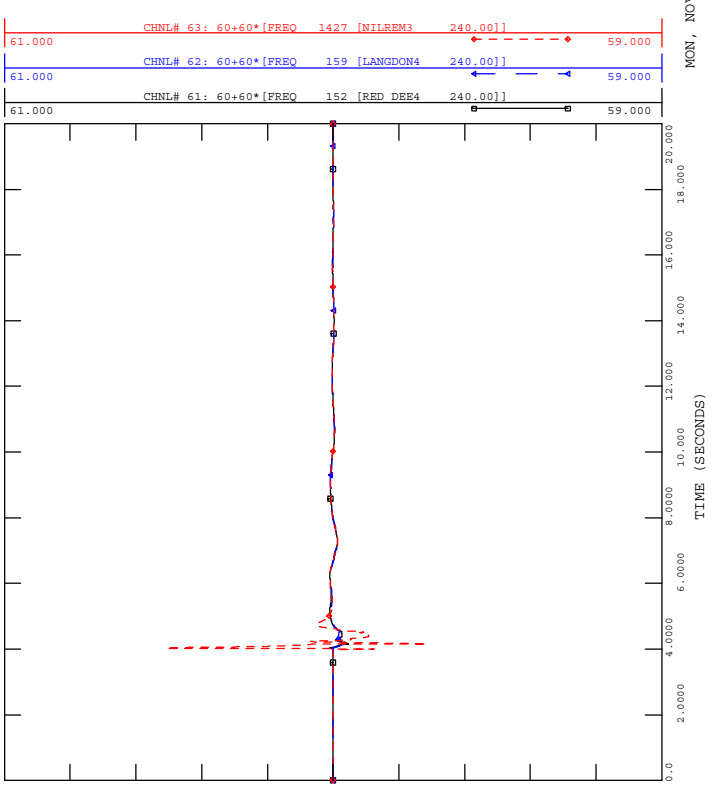
FREQUENCY



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.

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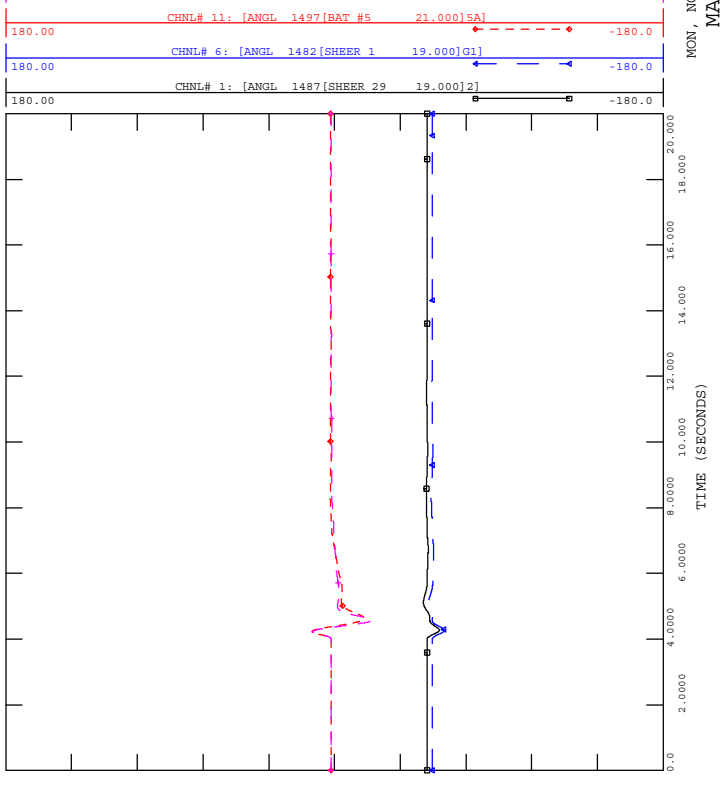
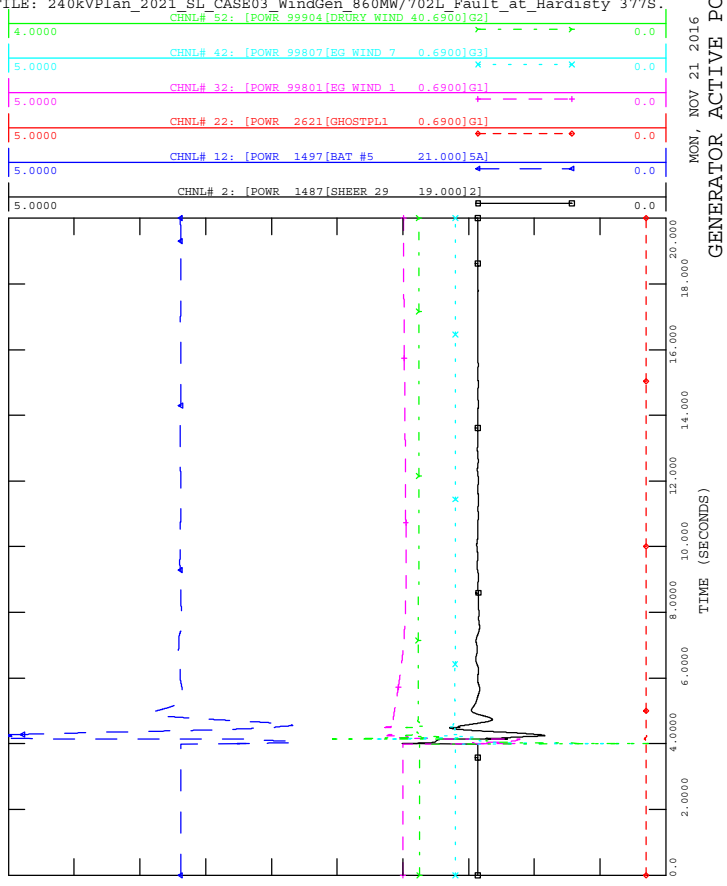
MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

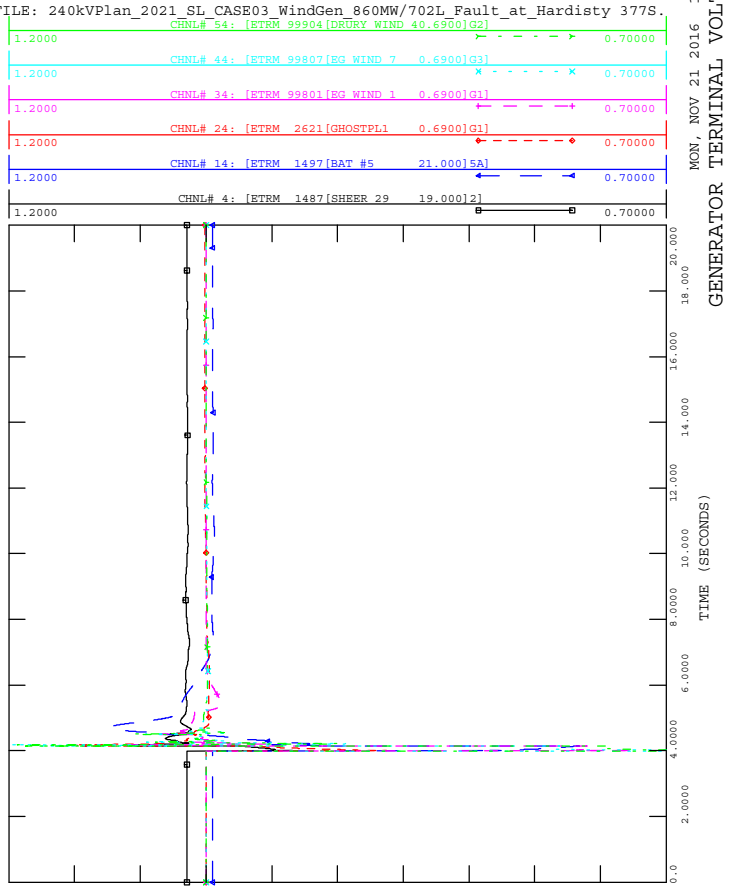
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.



MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

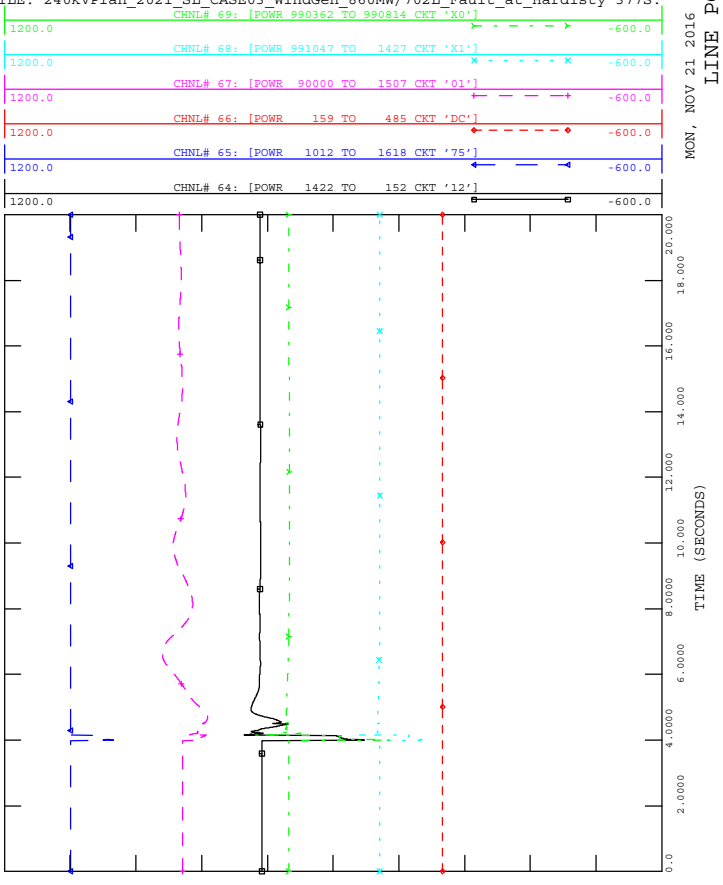
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.



MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

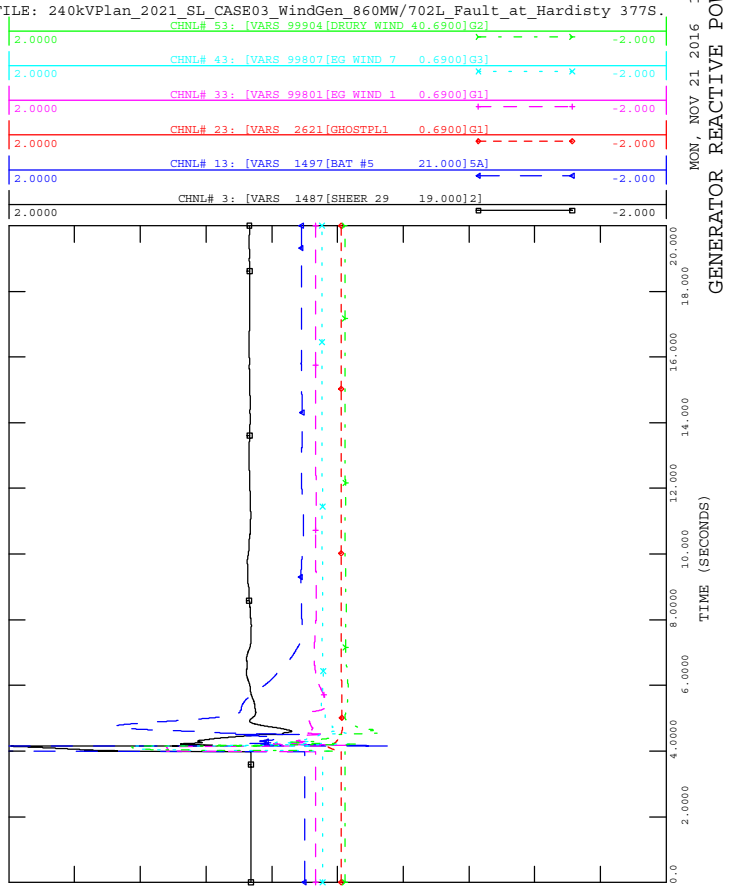
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.



MON, NOV 21 2016 13:37
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.



MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.

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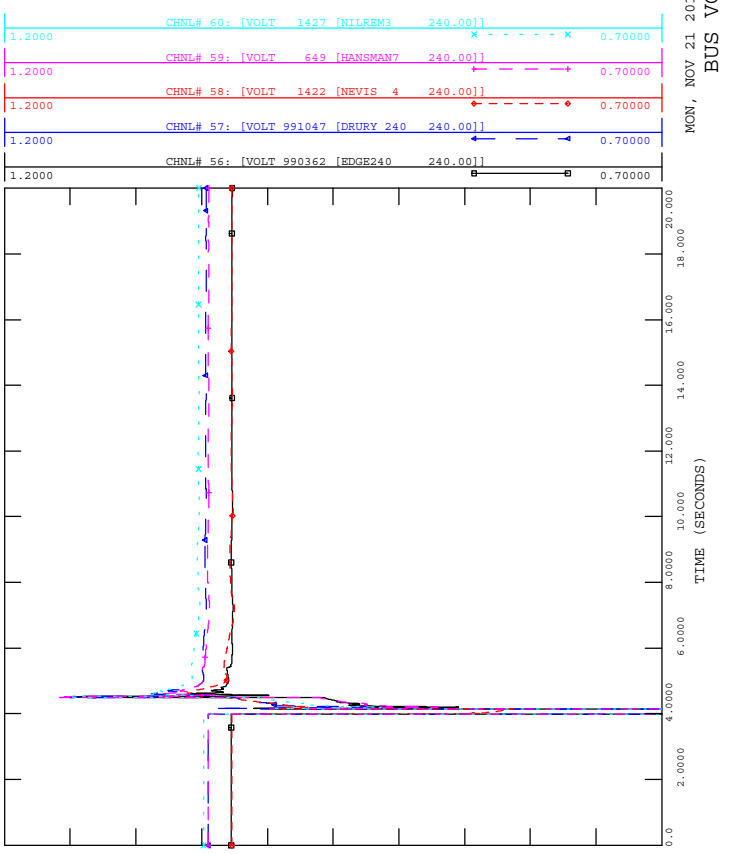
BUS VOLTAGE

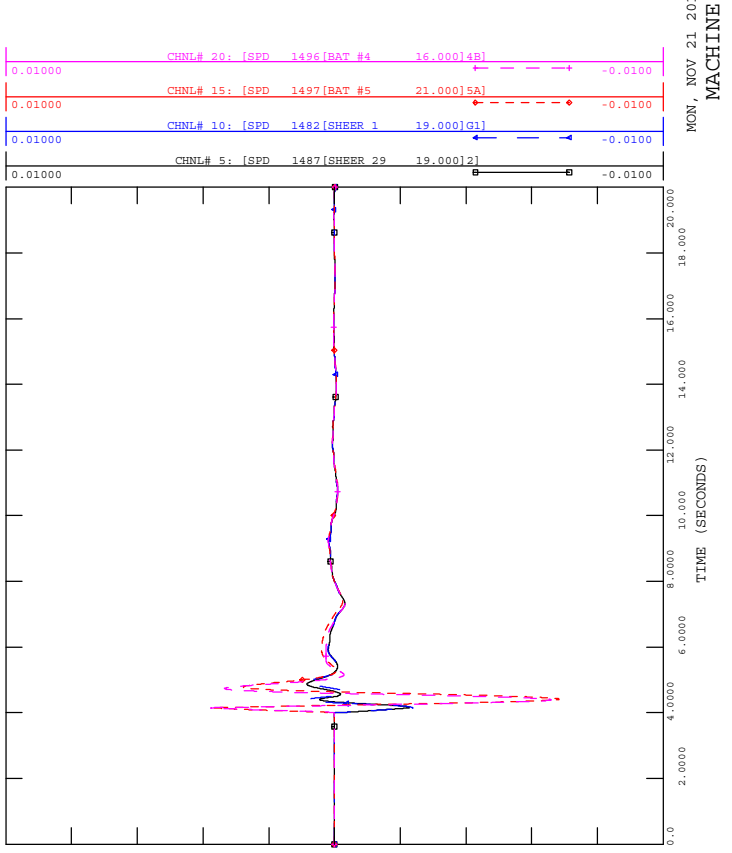


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 13:37

MACHINE SPEED

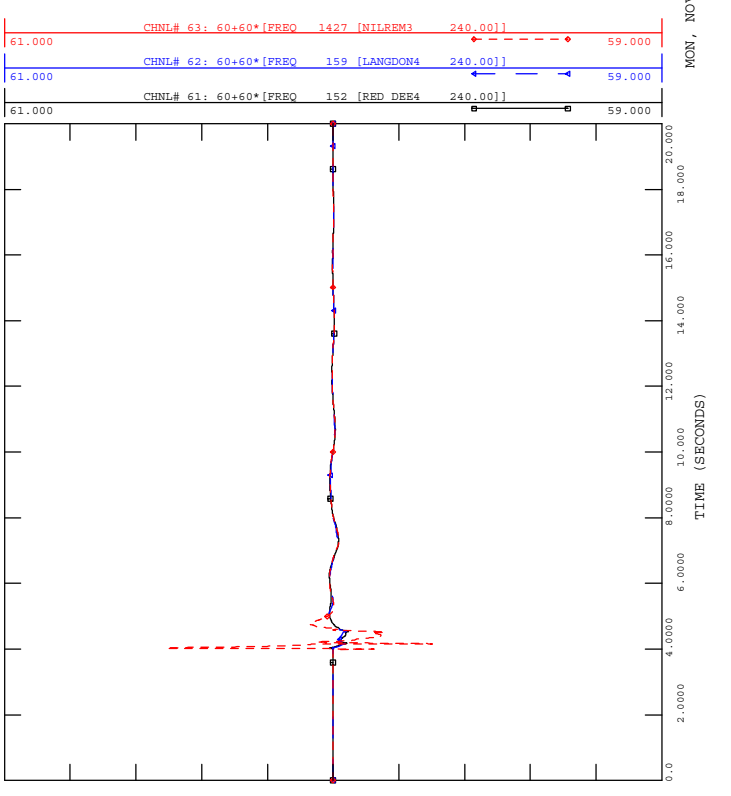


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 13:37

FREQUENCY

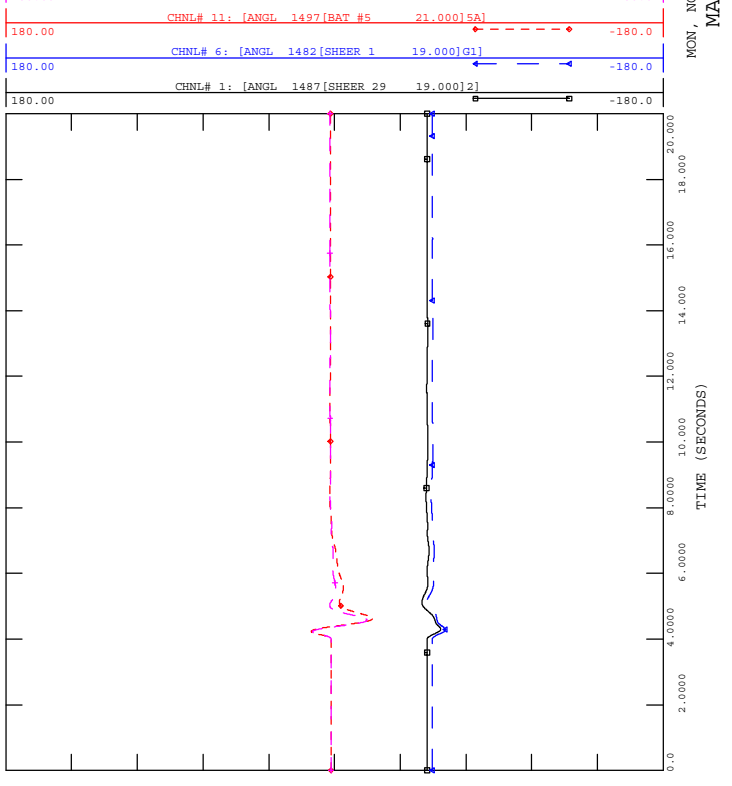


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.

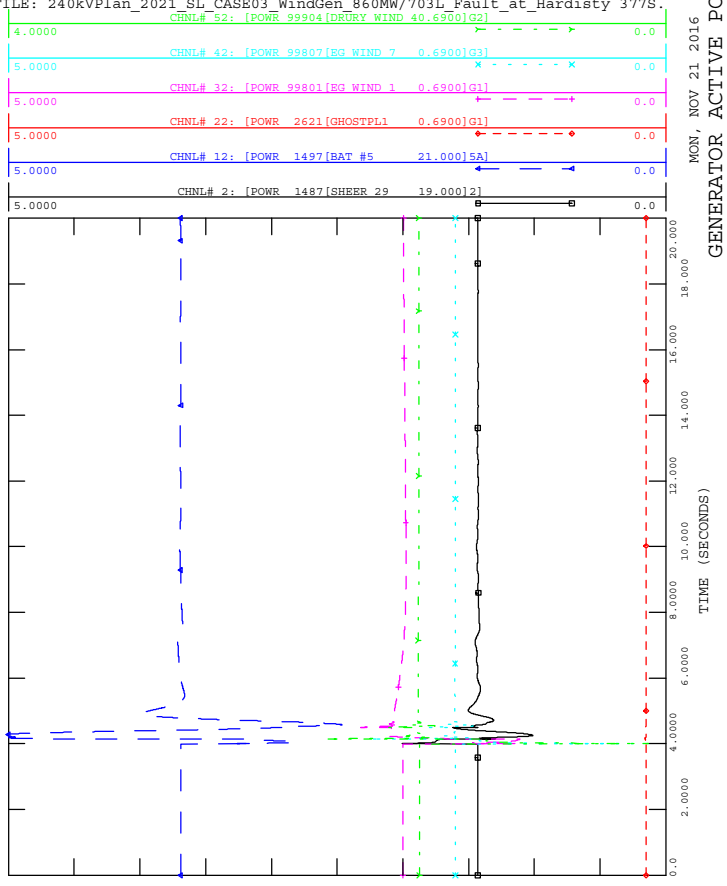
MON, NOV 21 2016 13:37

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

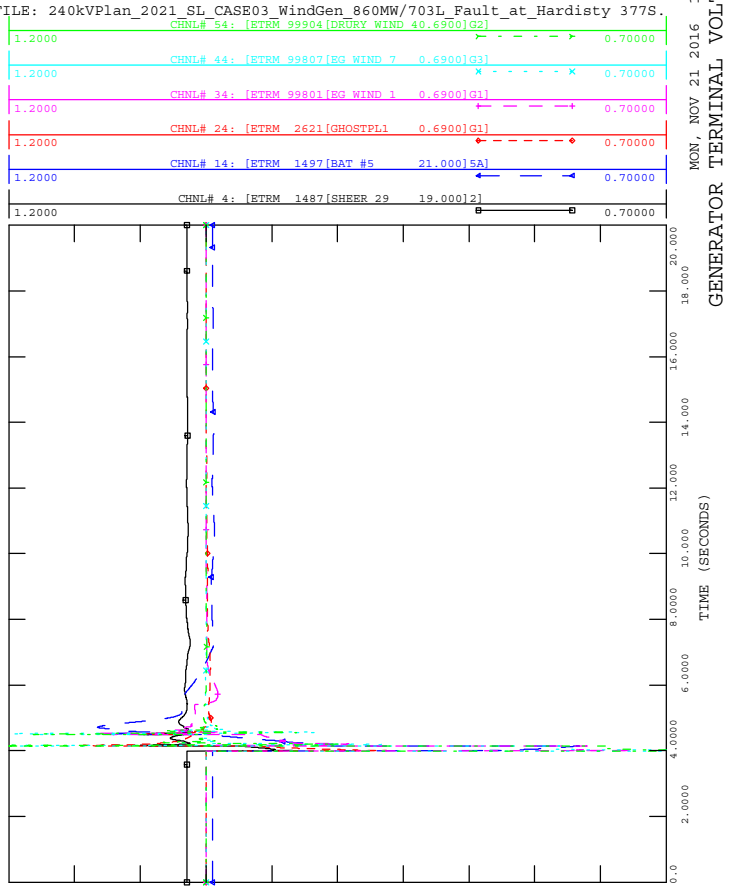
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.



MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

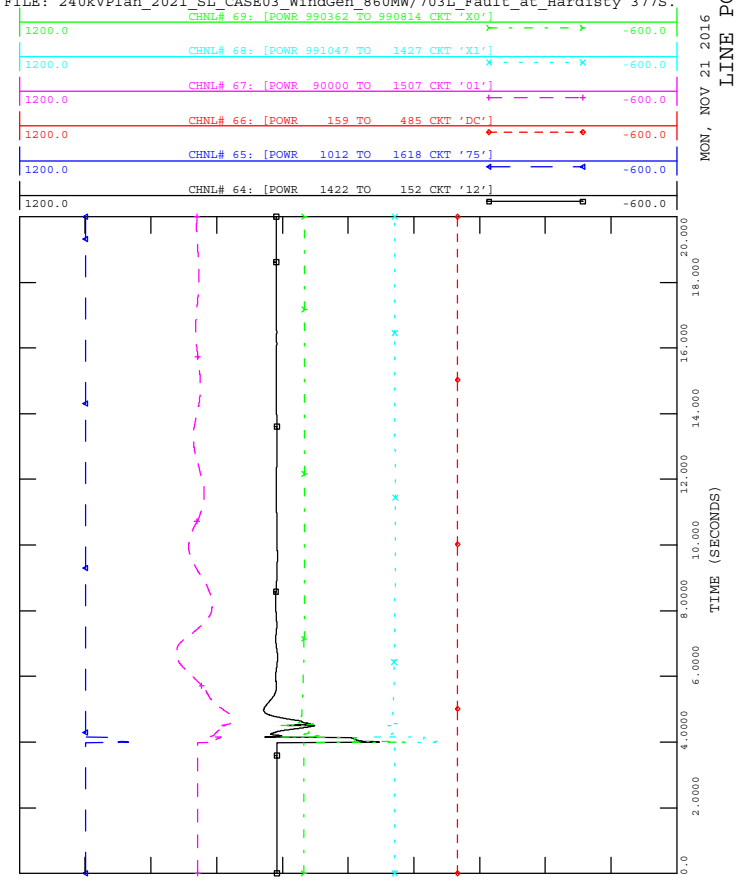
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.



MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

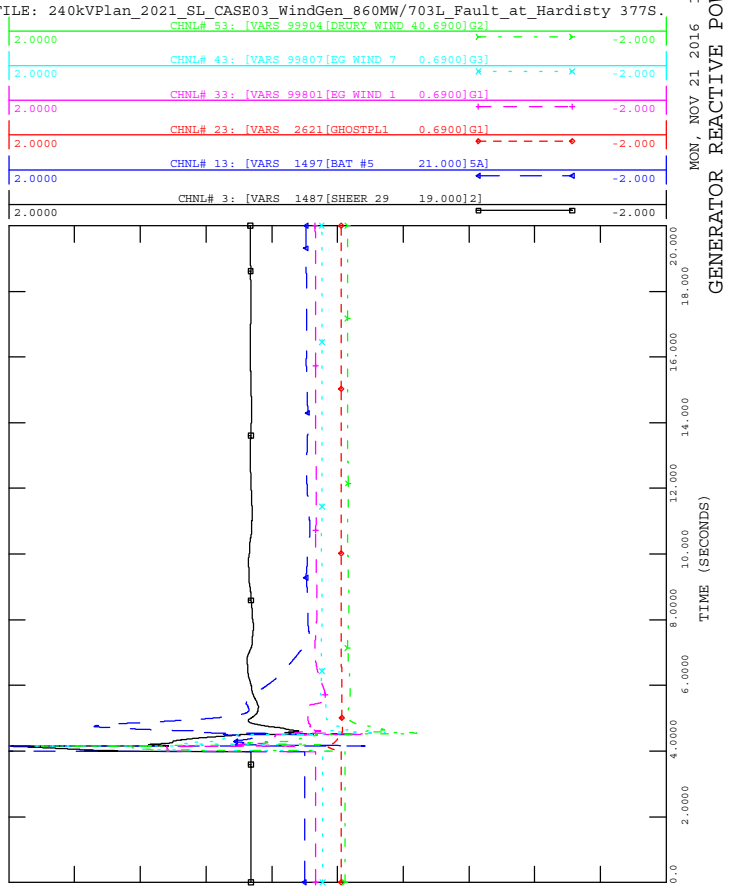
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.



MON, NOV 21 2016 13:37
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.



MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S

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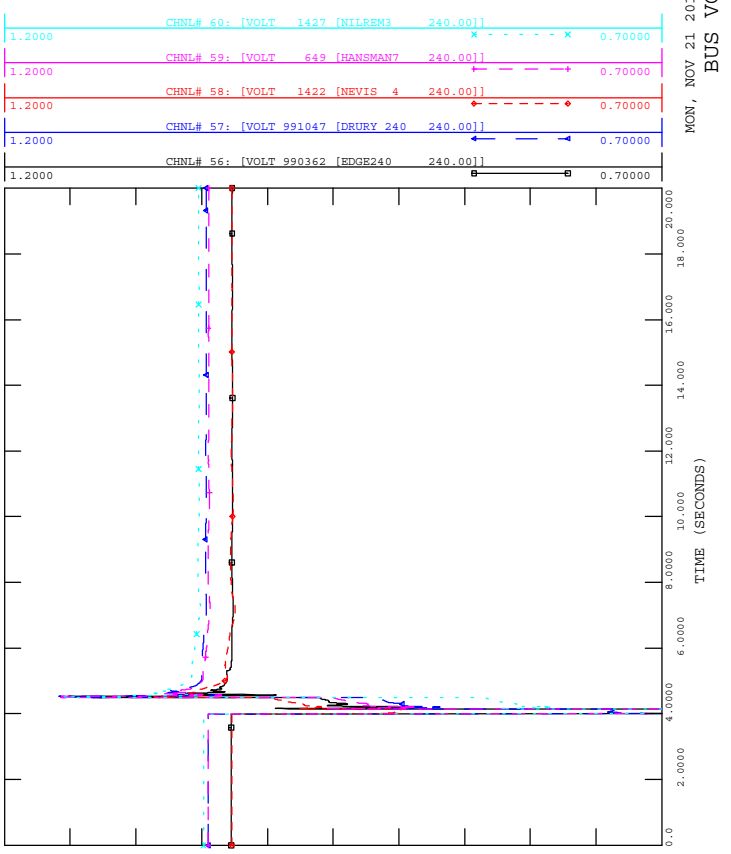
BUS VOLTAGE



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S

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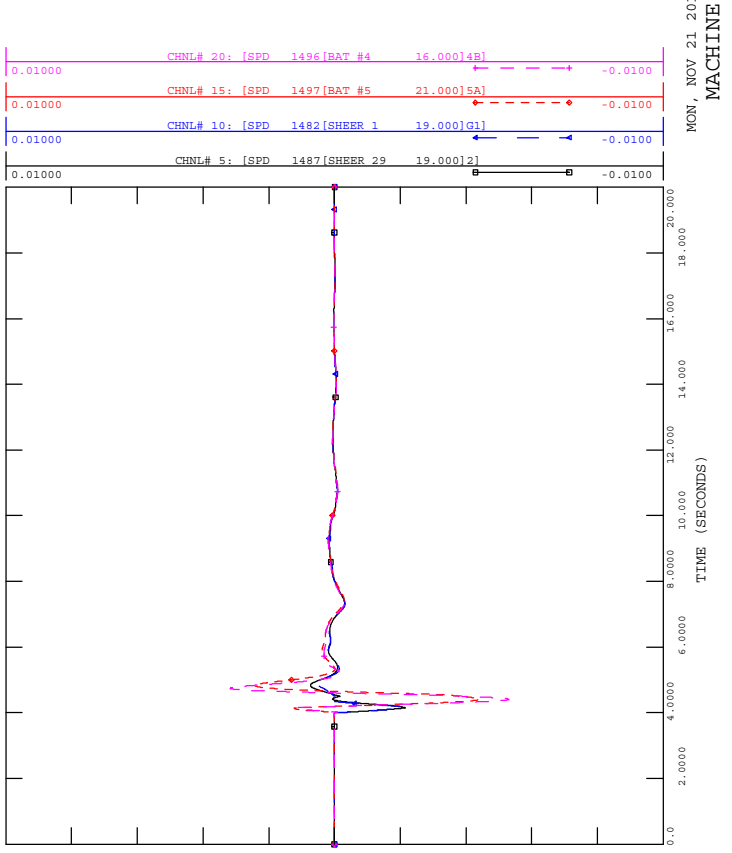
MACHINE SPEED

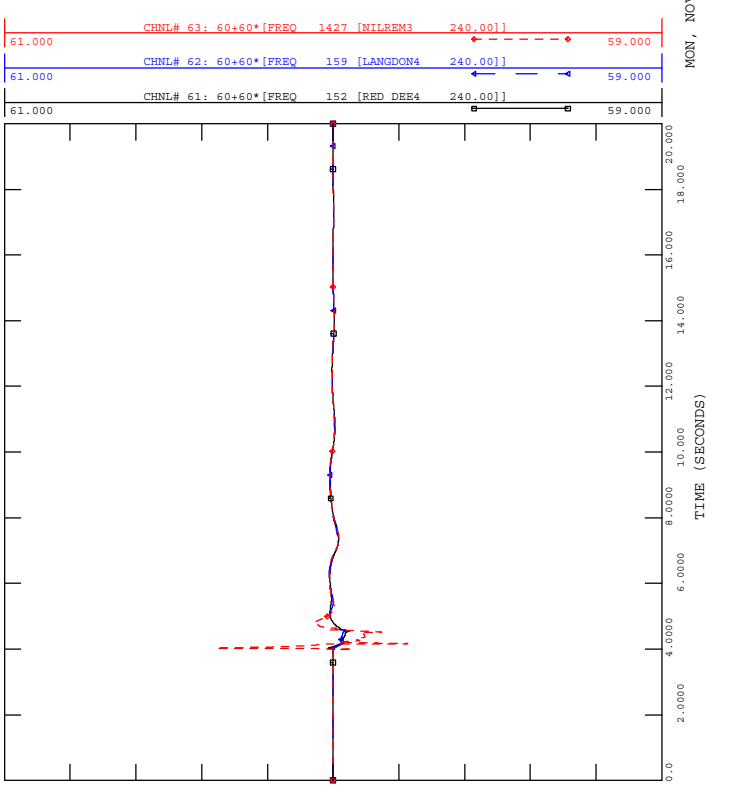


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S

MON, NOV 21 2016 13:37

FREQUENCY

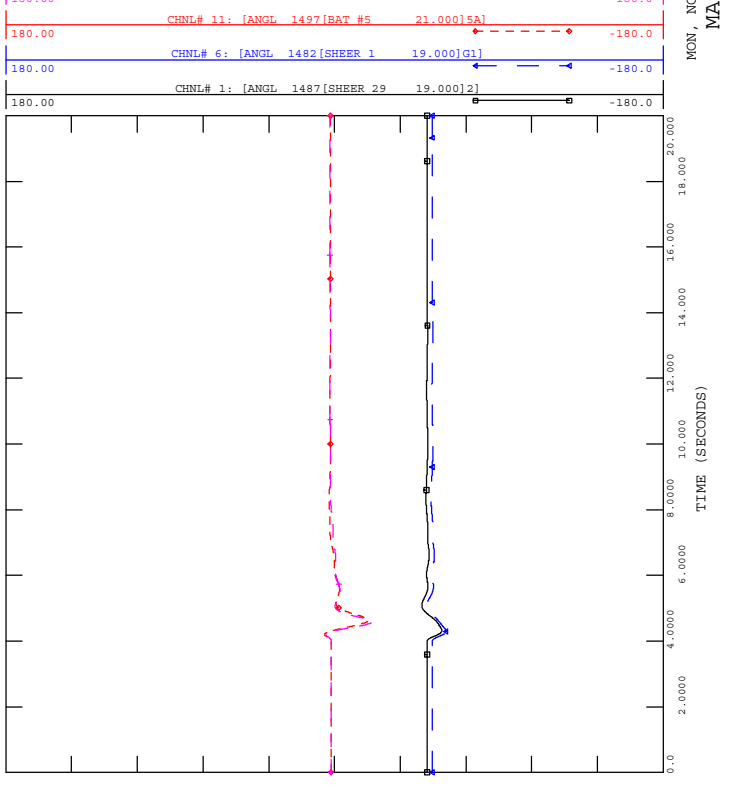


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S

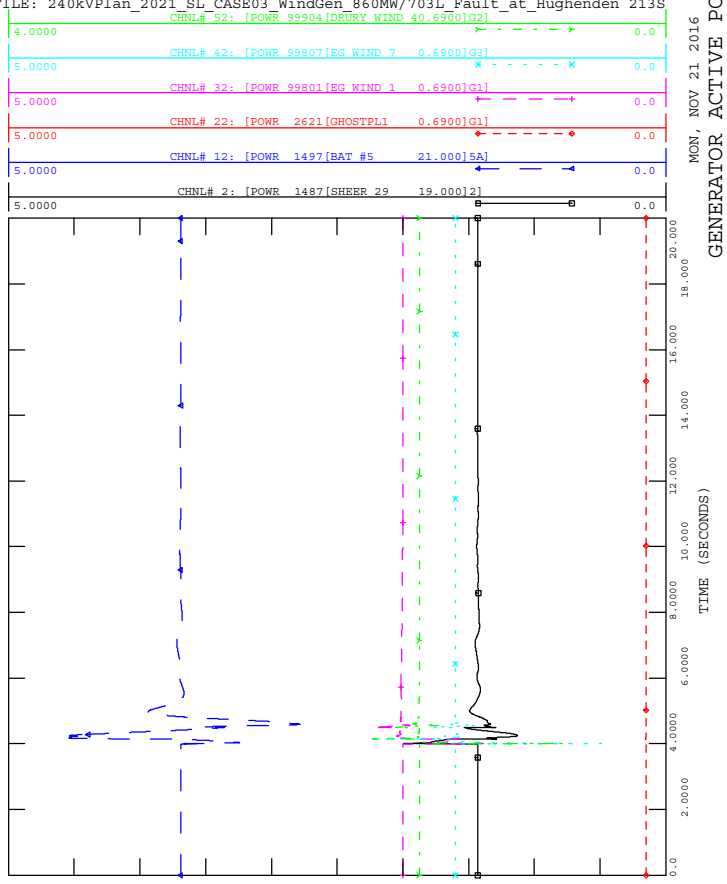
MON, NOV 21 2016 13:37

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

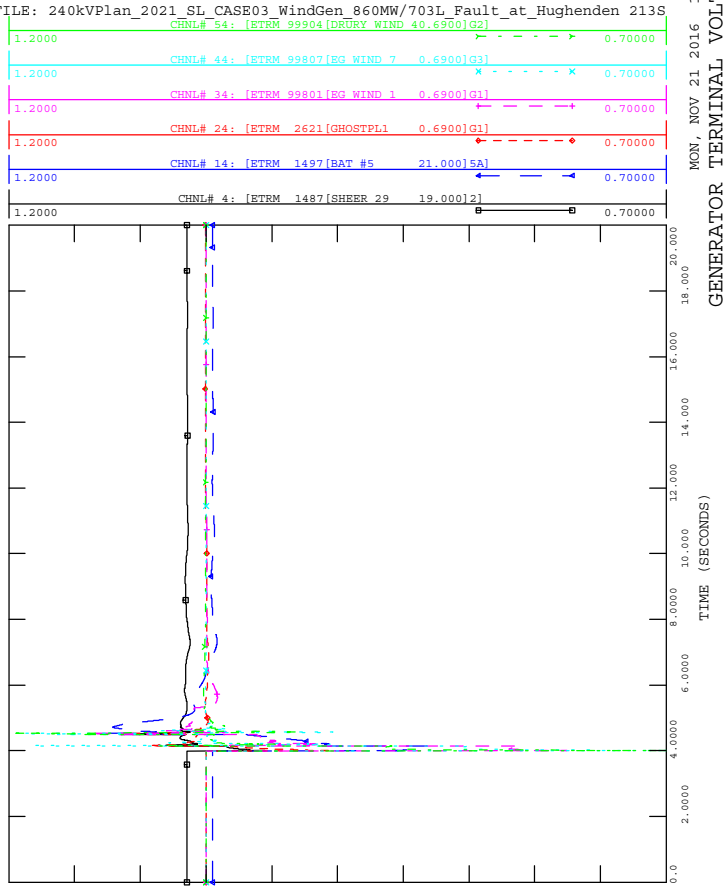
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S



MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

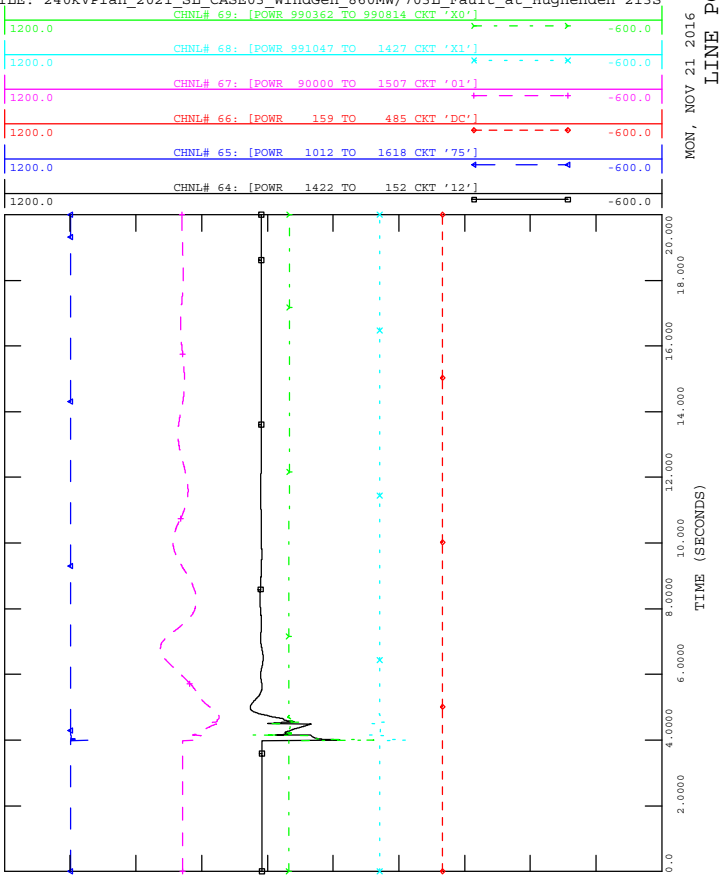
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S



MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

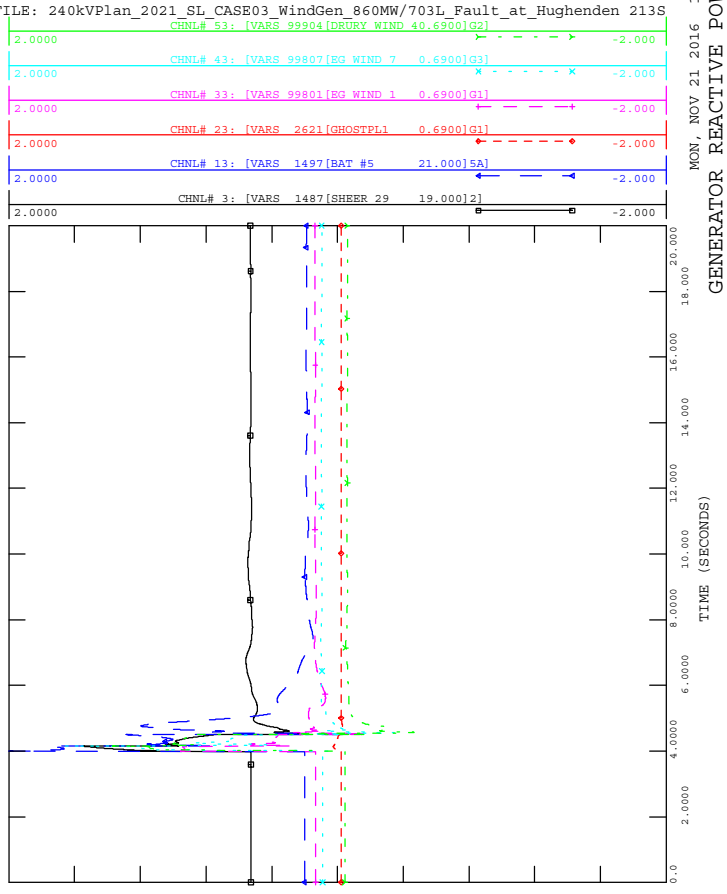
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S



MON, NOV 21 2016 13:37
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S



MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S

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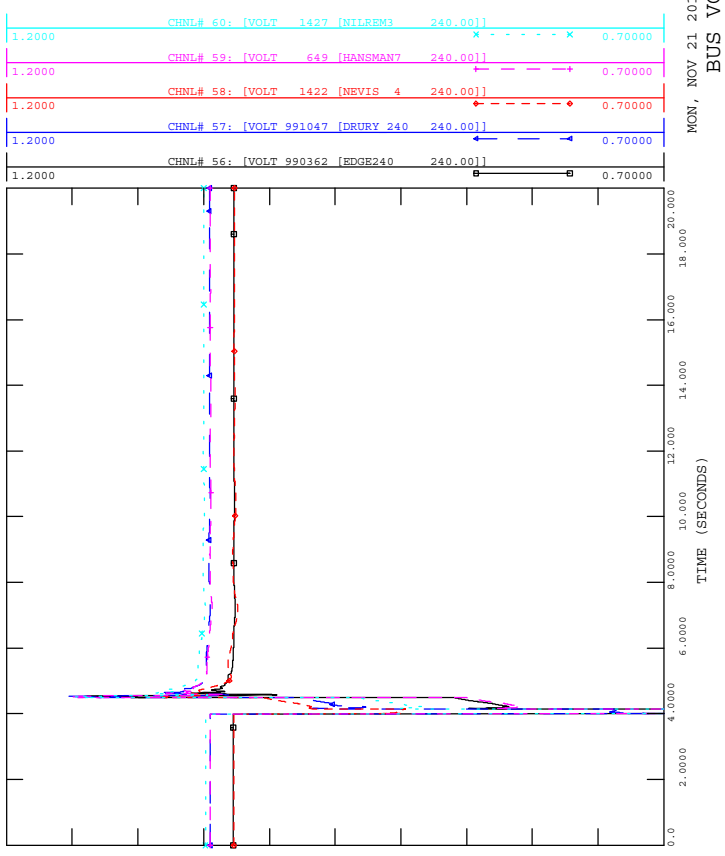
BUS VOLTAGE



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S

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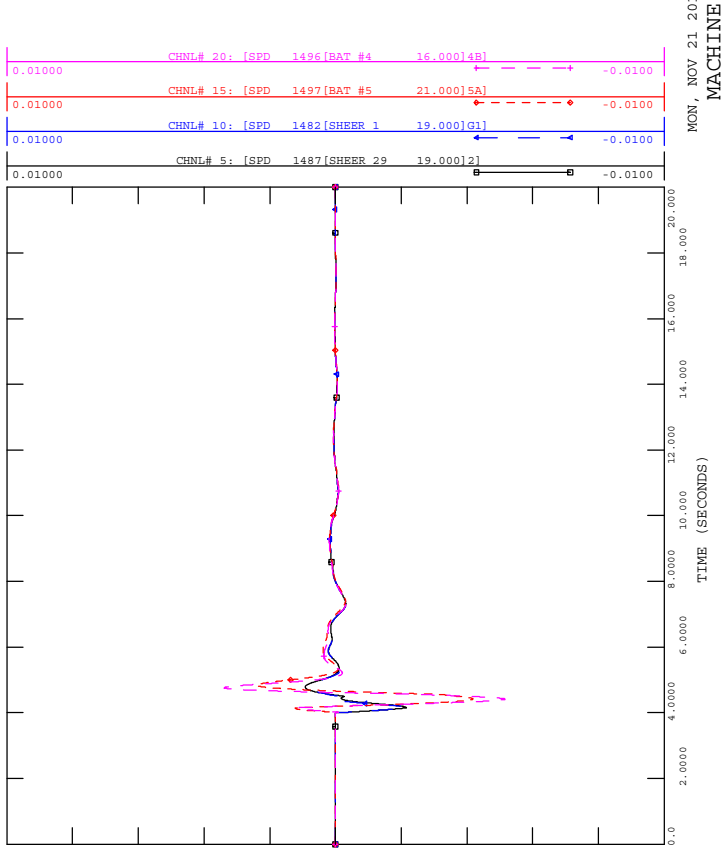
MACHINE SPEED

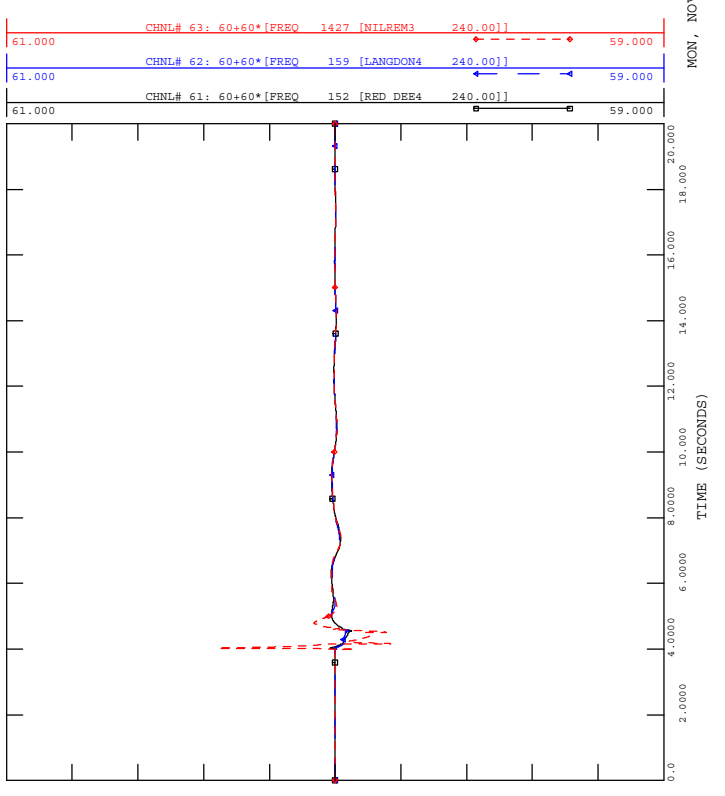


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S

MON, NOV 21 2016 13:37

FREQUENCY

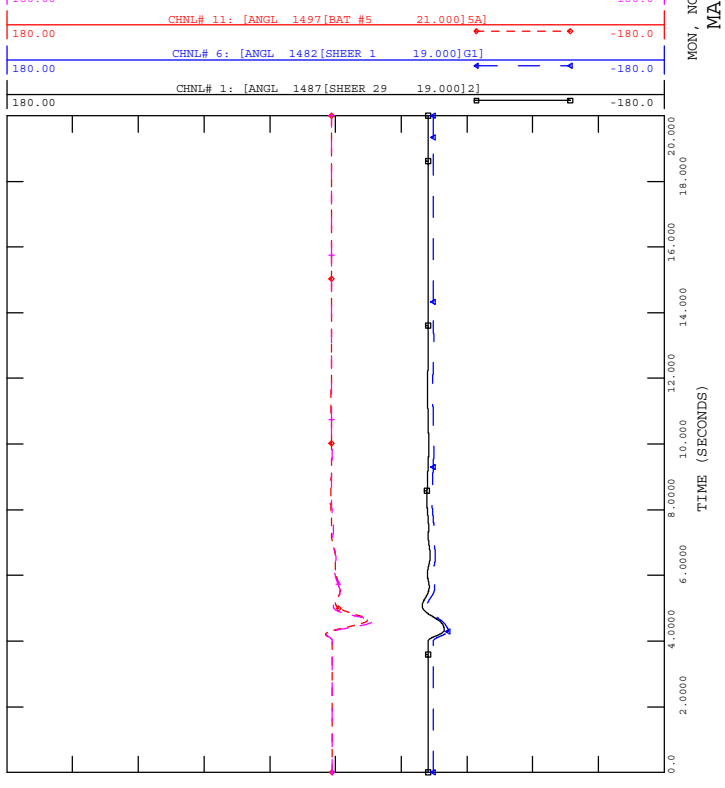


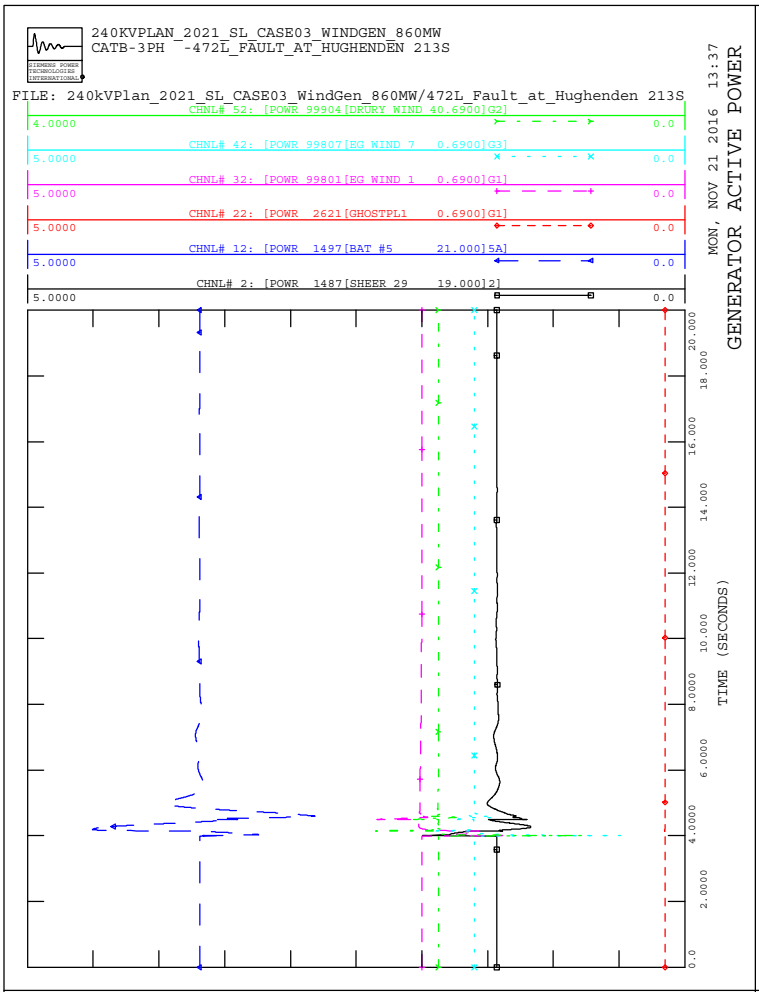
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

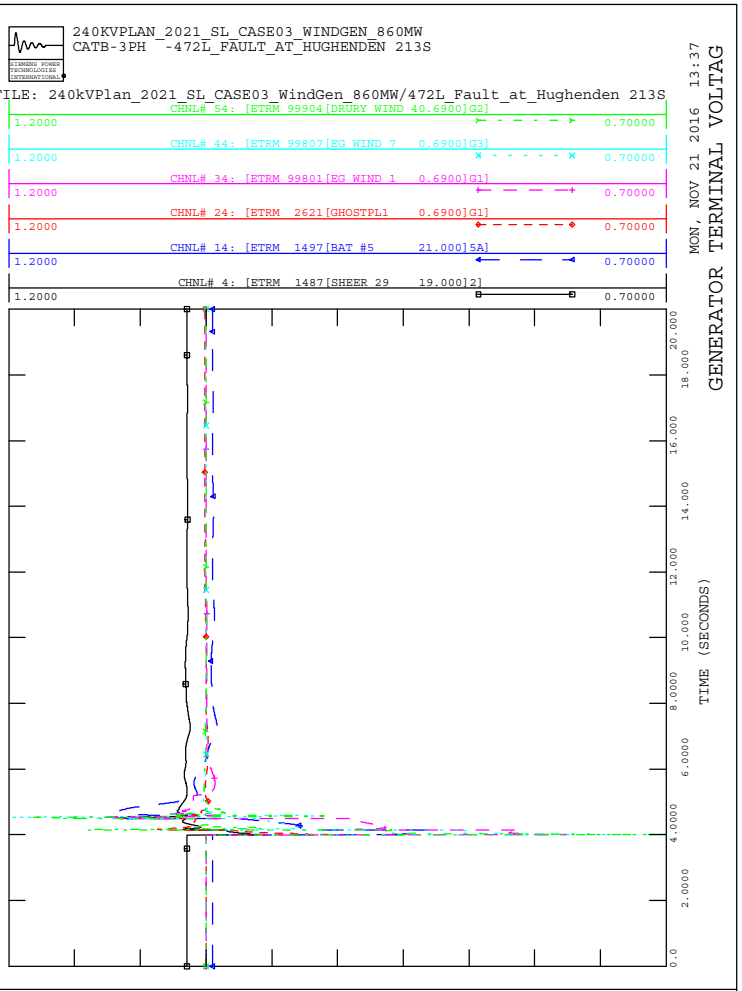
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S

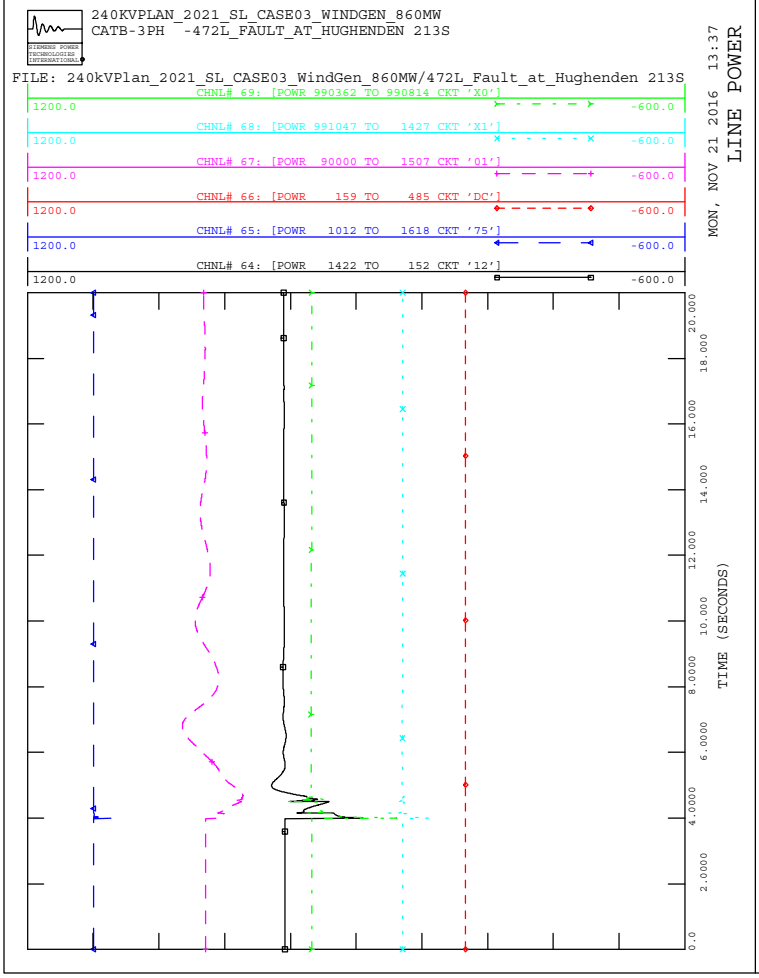
MON, NOV 21 2016 13:37

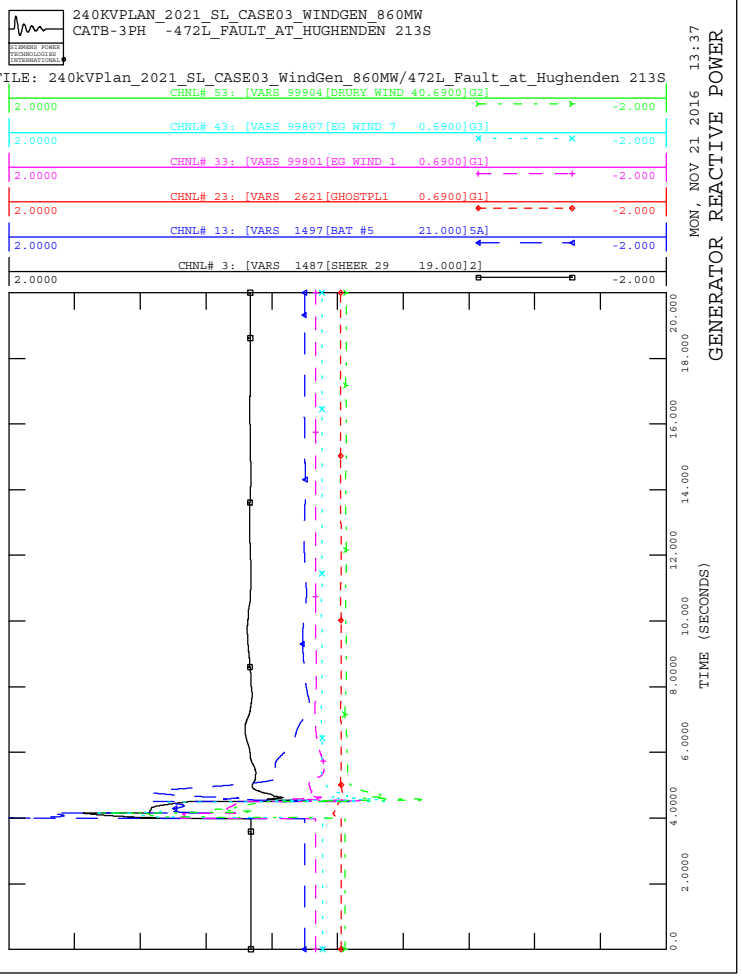
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

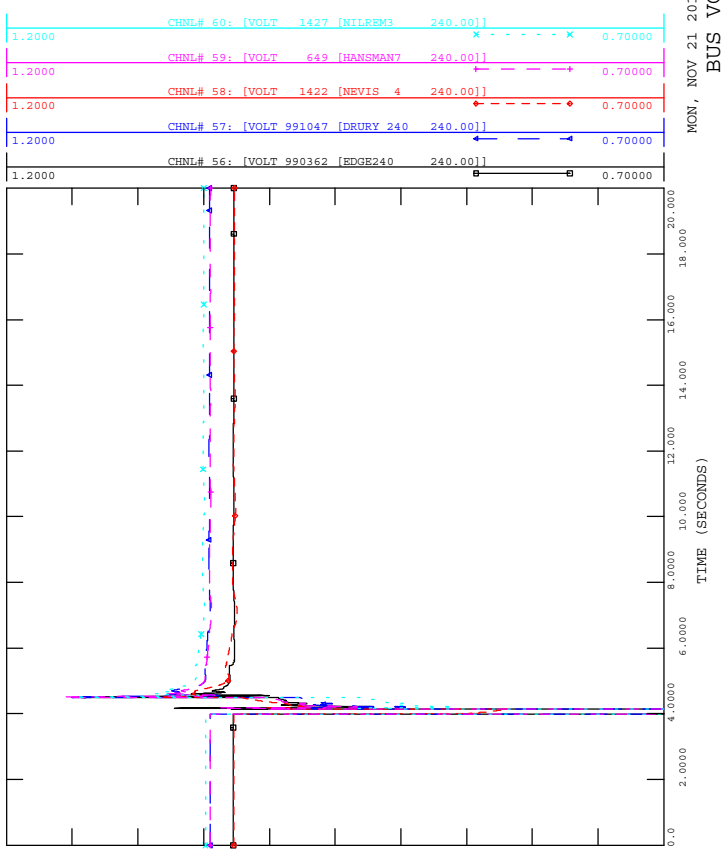

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

BUS VOLTAGE

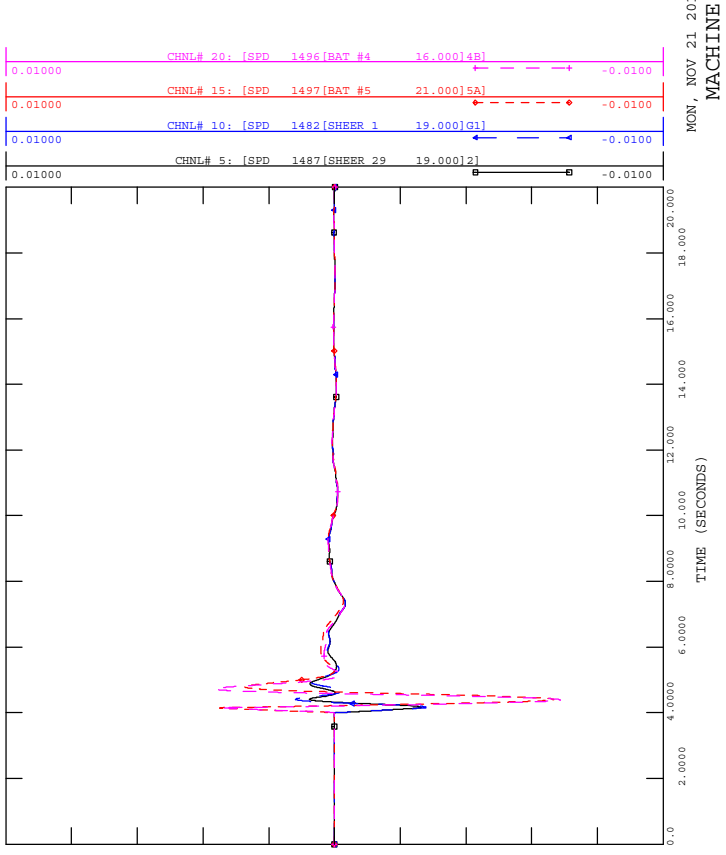


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

MACHINE SPEED

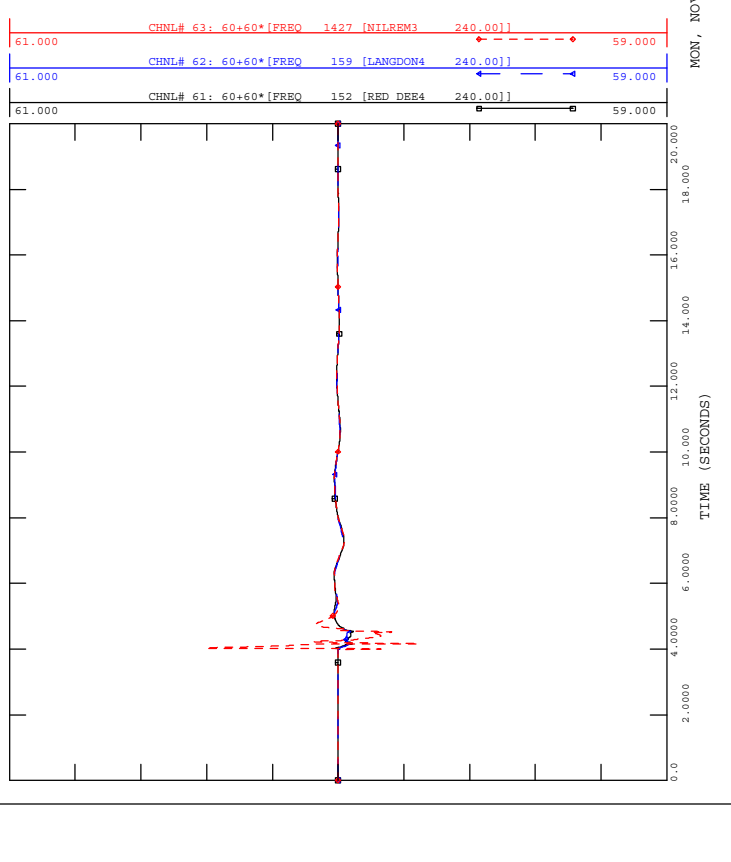


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

FREQUENCY

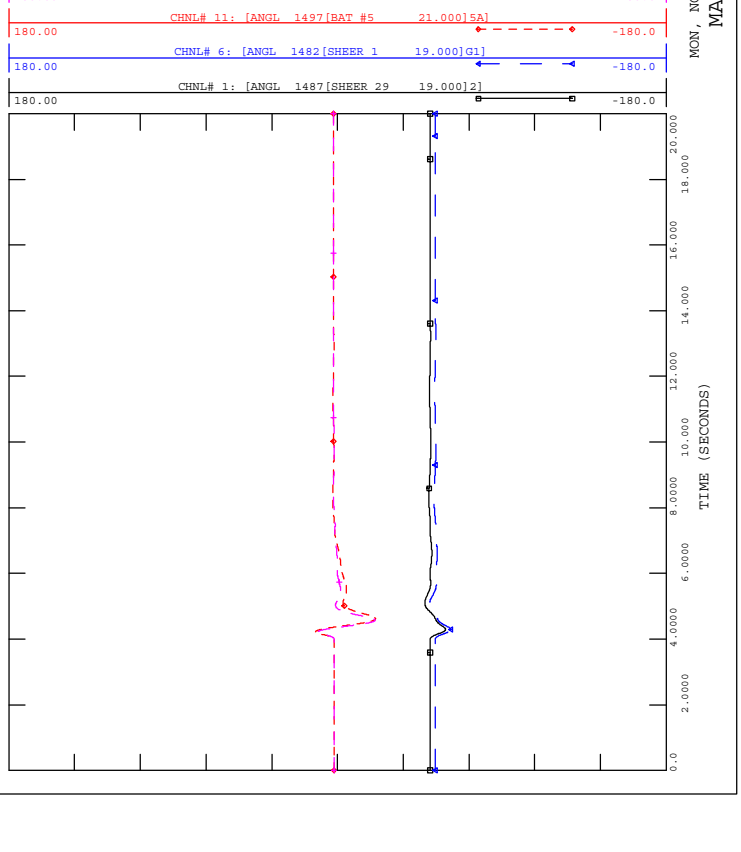


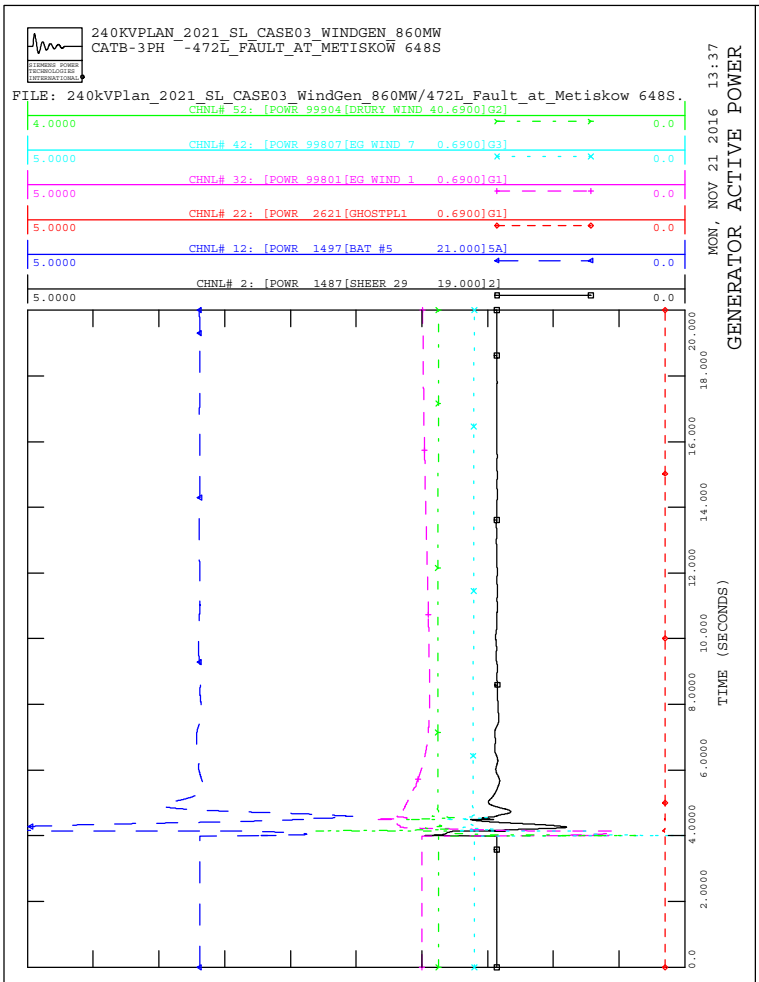
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

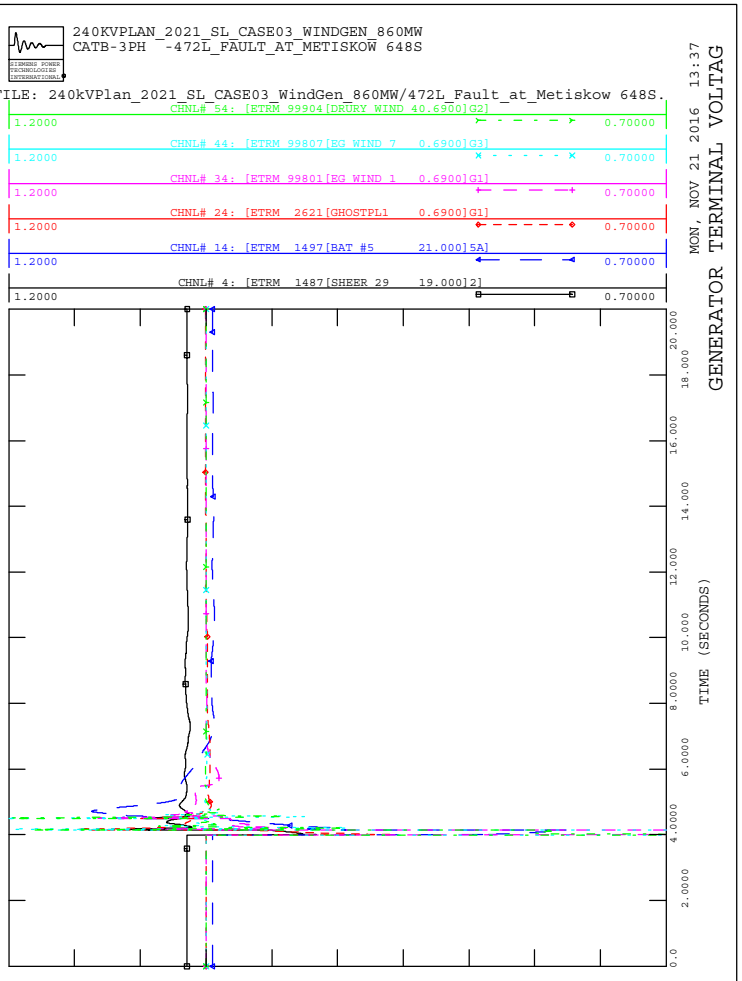
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.

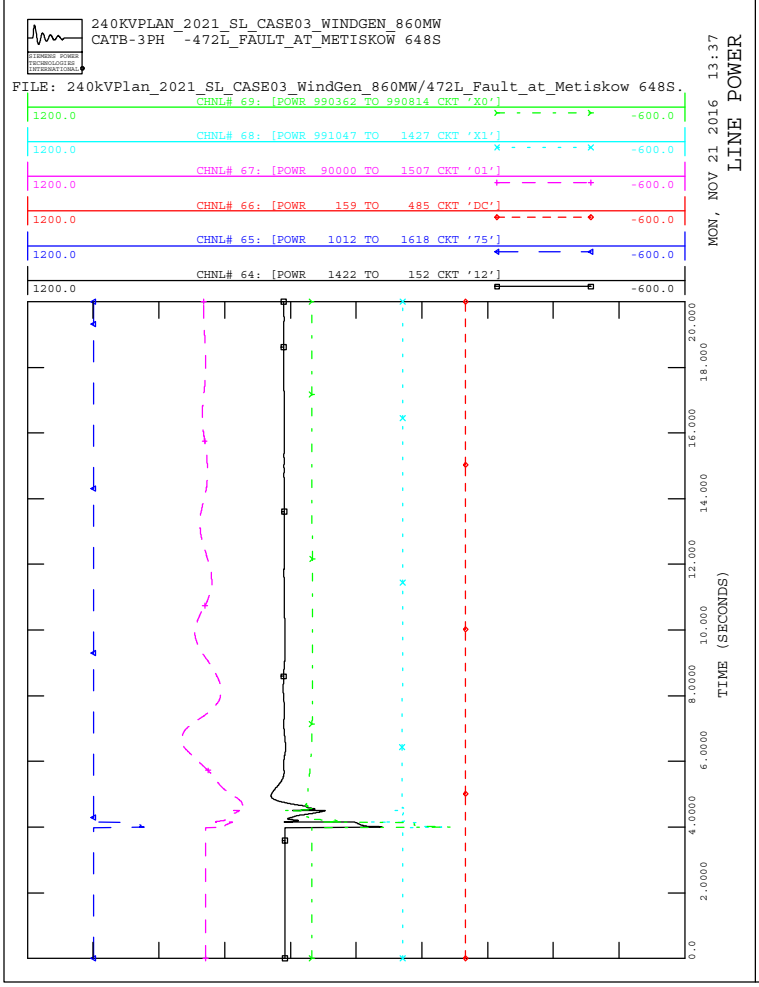
MON, NOV 21 2016 13:37

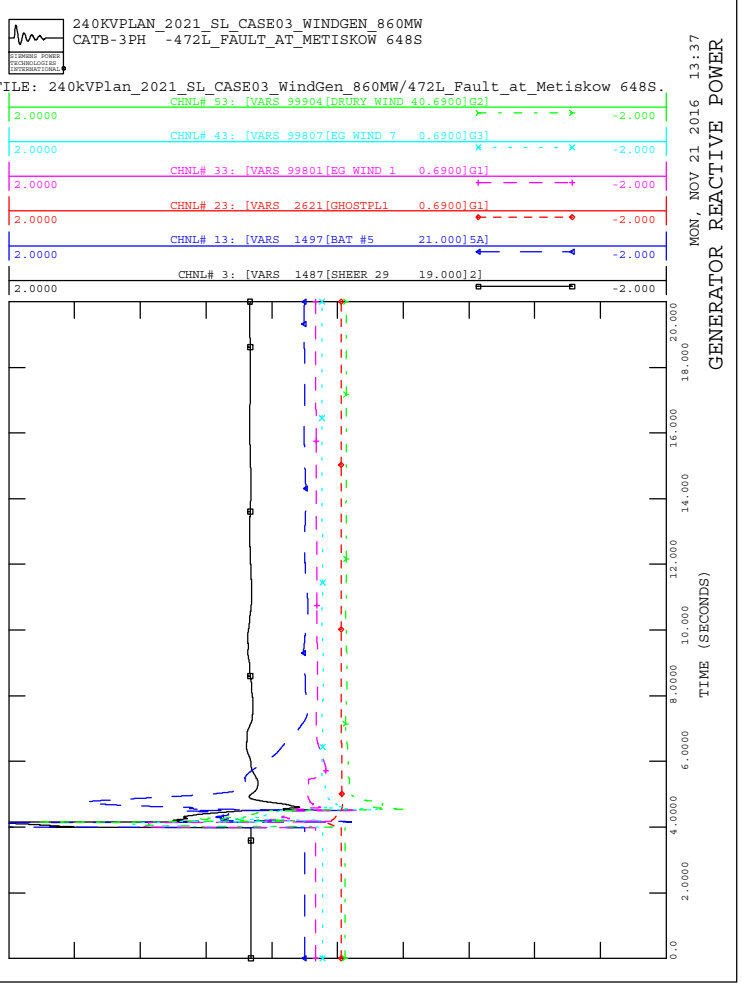
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)

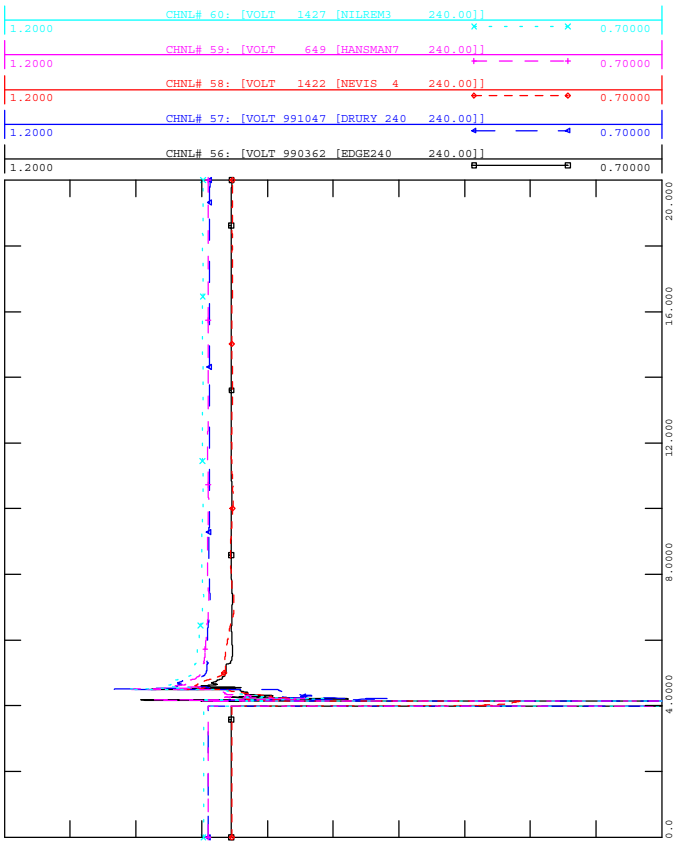

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 13:37

BUS VOLTAGE

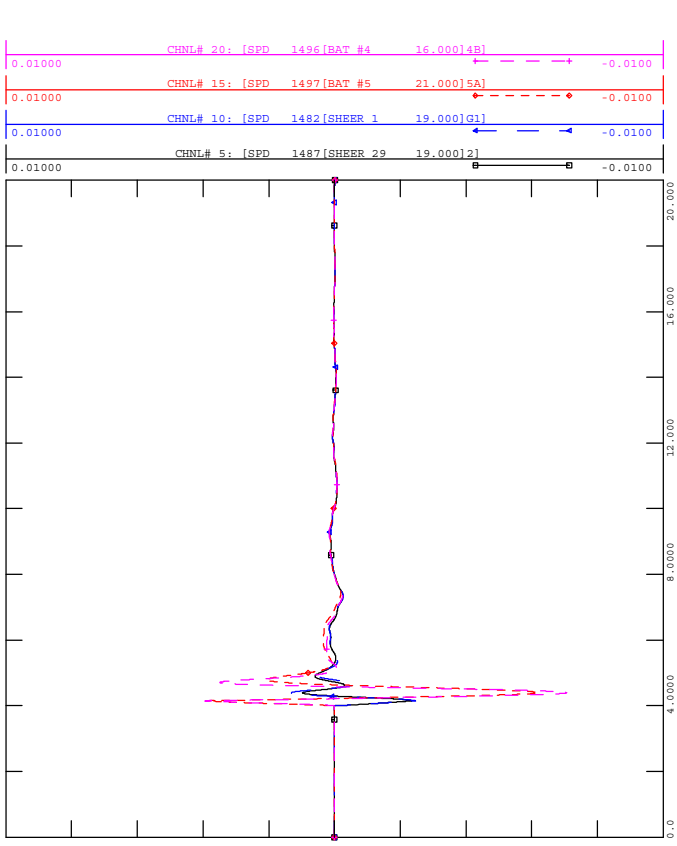


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 13:37

MACHINE SPEED

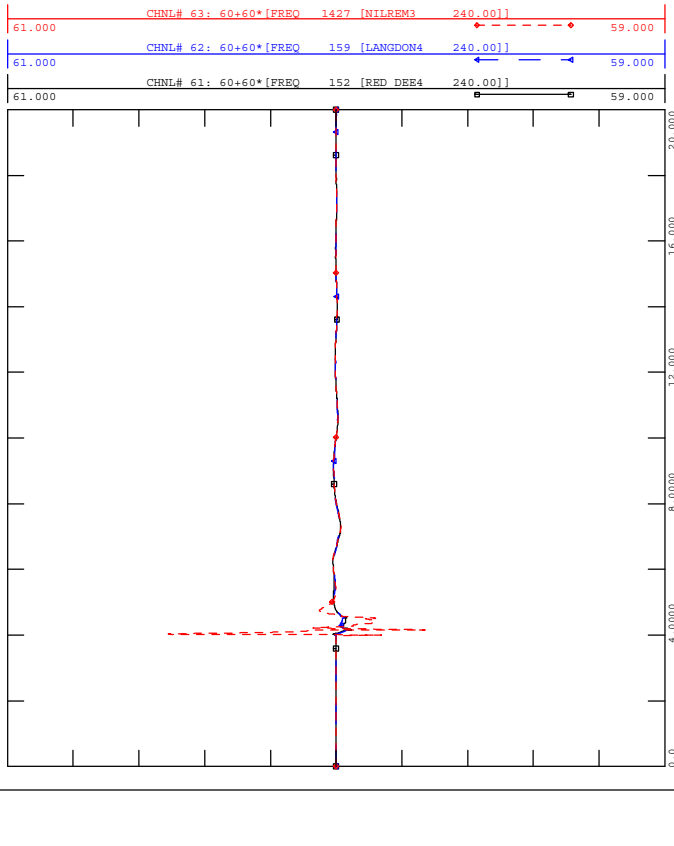


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 13:37

FREQUENCY

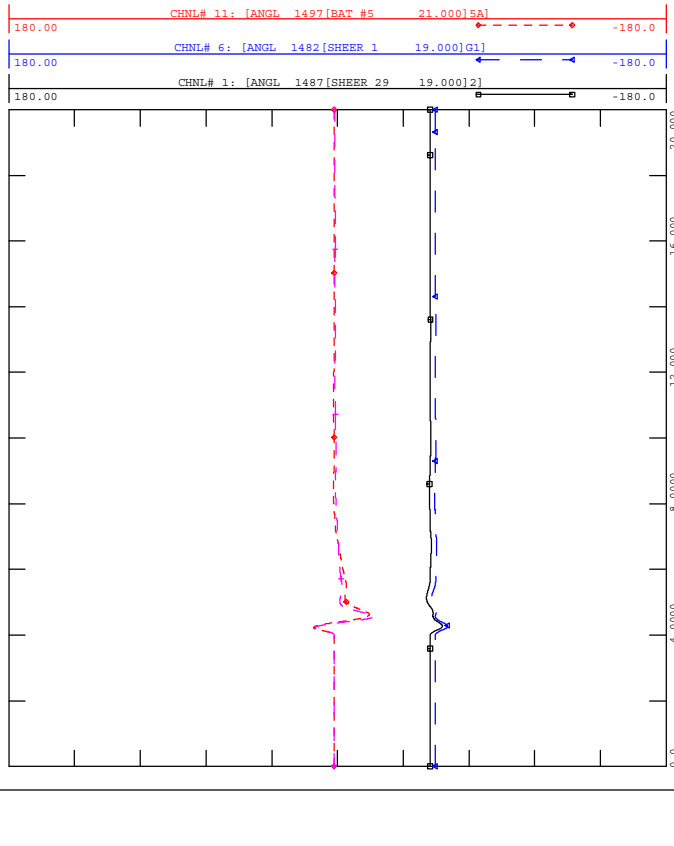


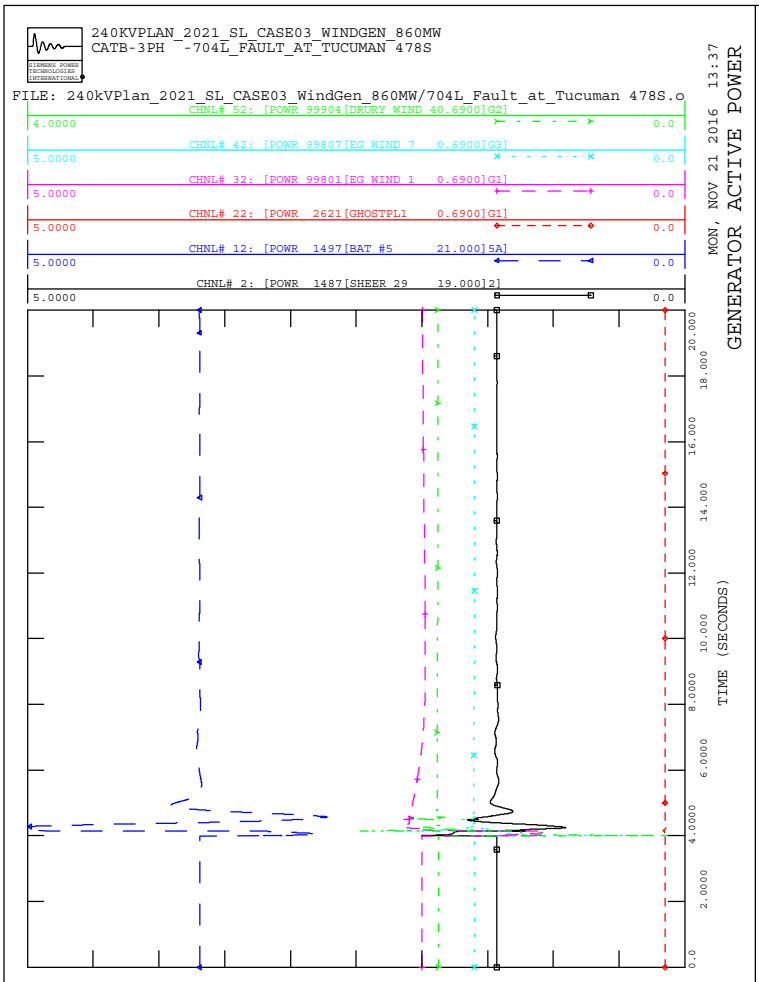
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

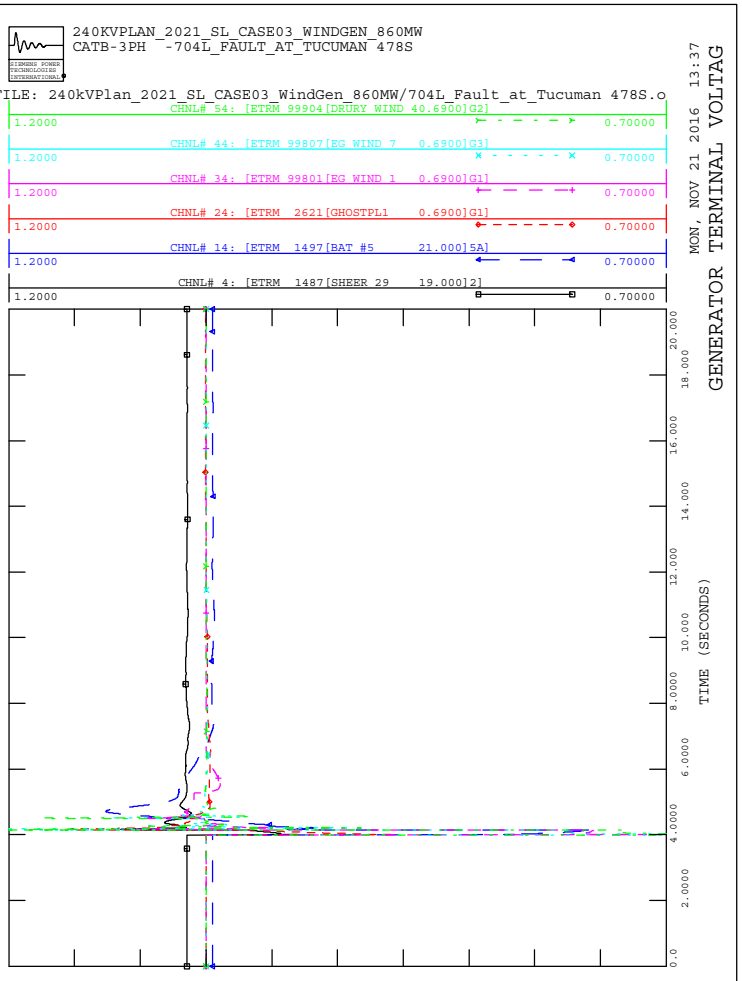
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

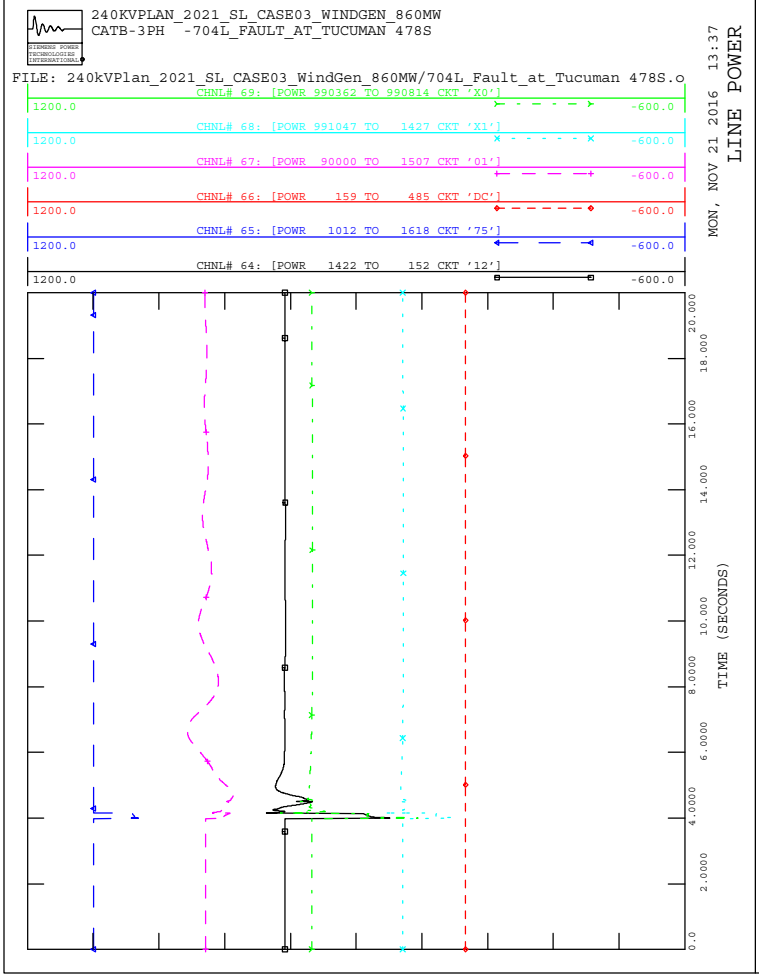
MON, NOV 21 2016 13:37

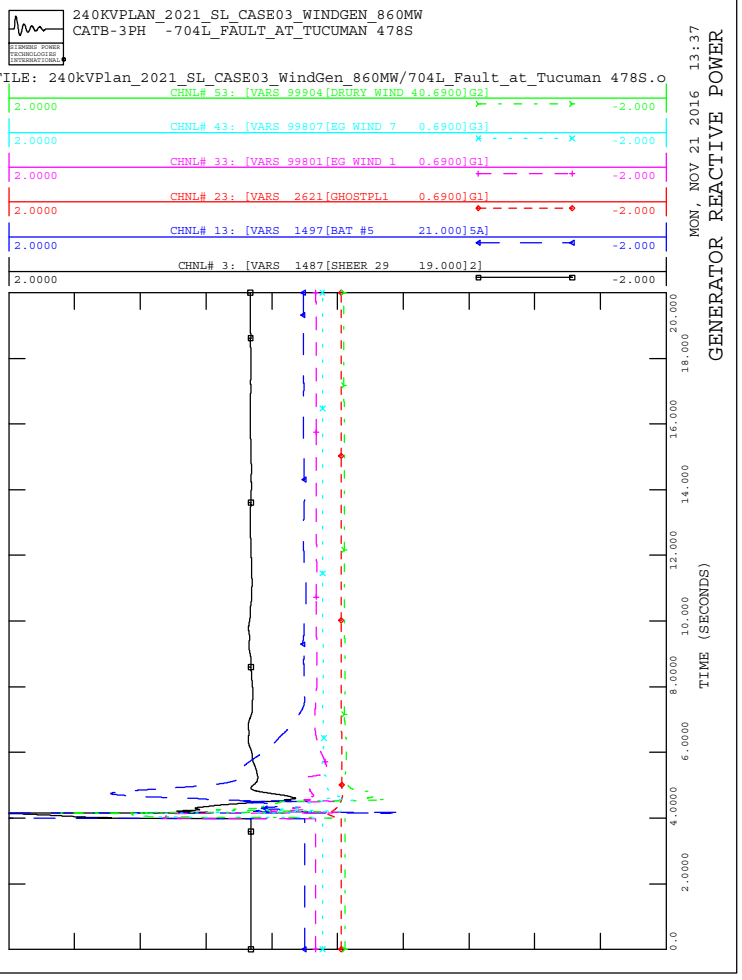
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)

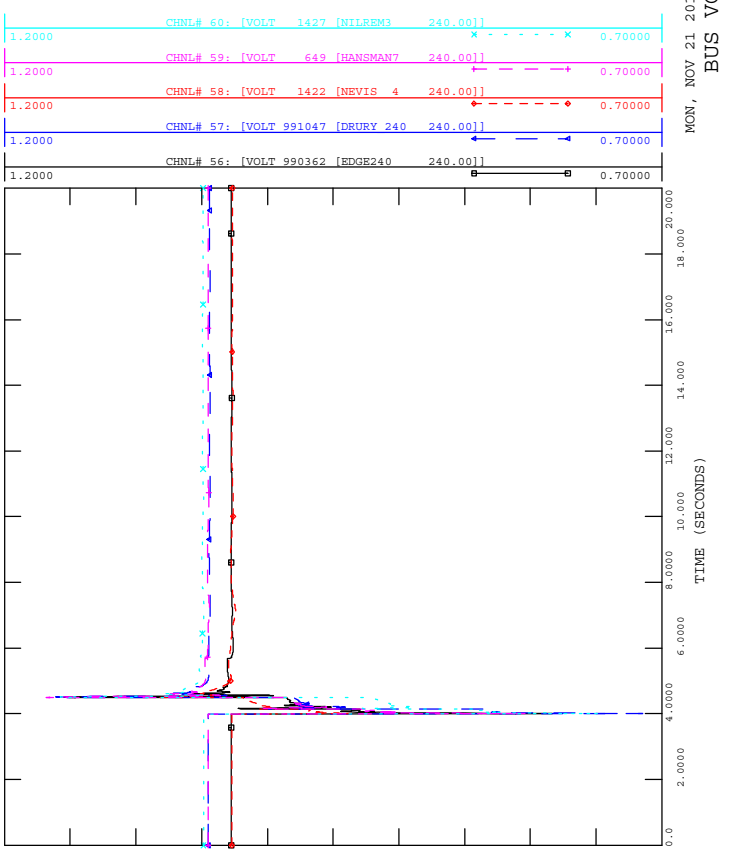

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S

MON, NOV 21 2016 13:37

BUS VOLTAGE

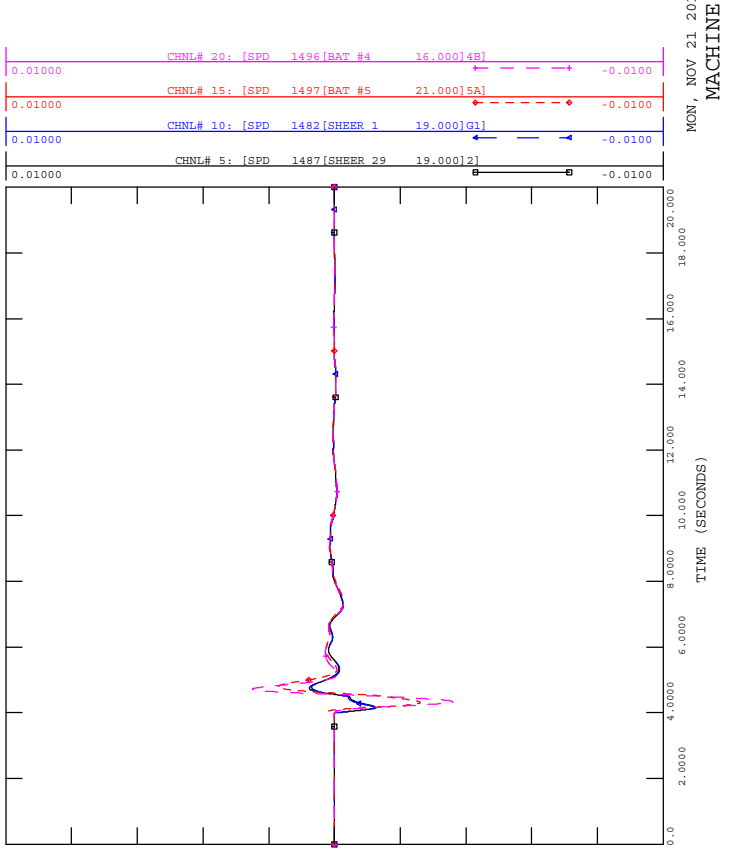


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S

MON, NOV 21 2016 13:37

MACHINE SPEED

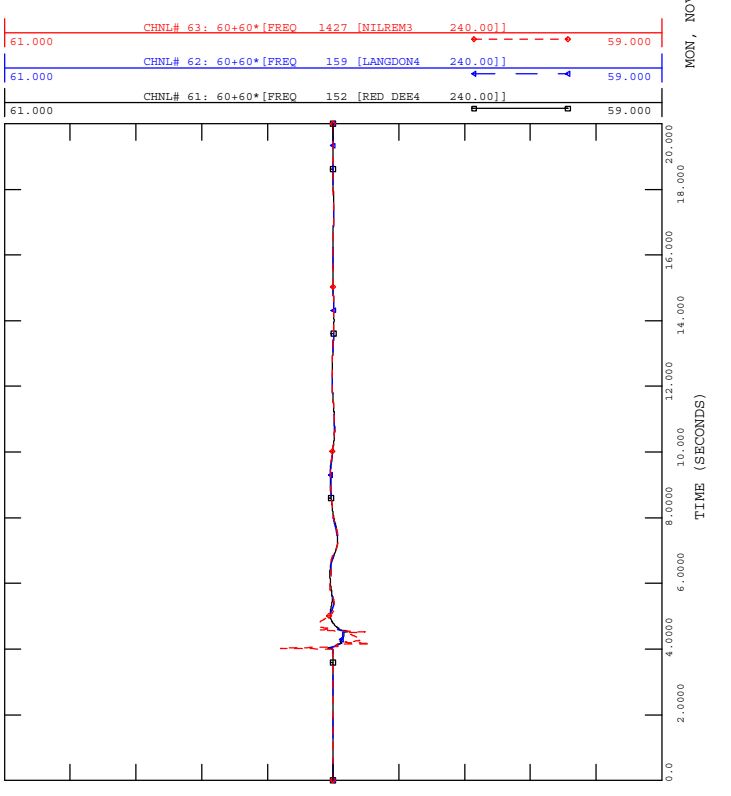


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S

MON, NOV 21 2016 13:37

FREQUENCY

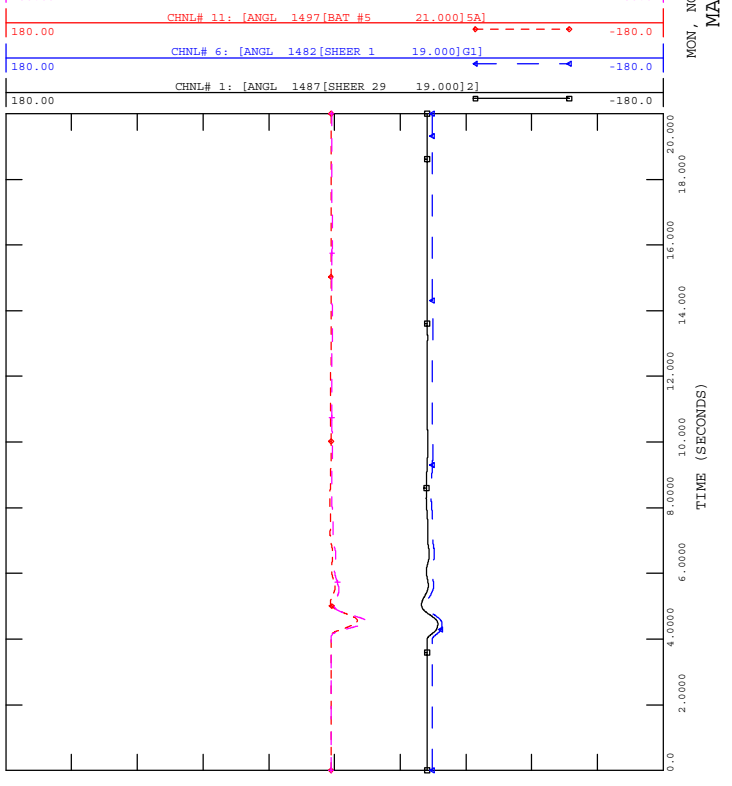


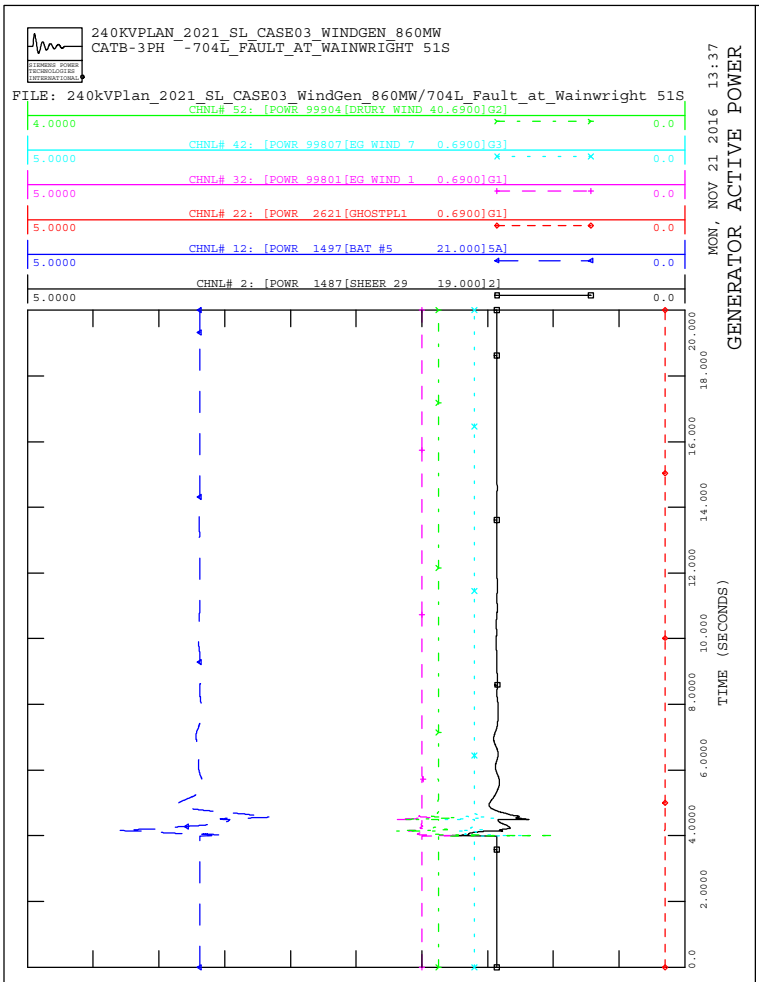
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

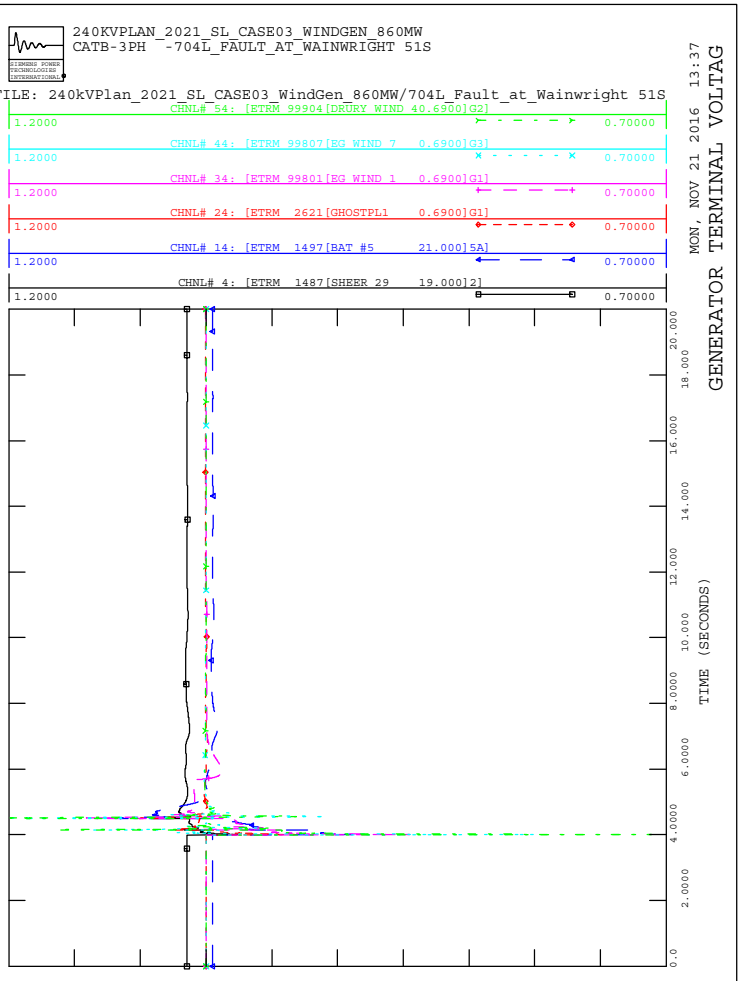
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S

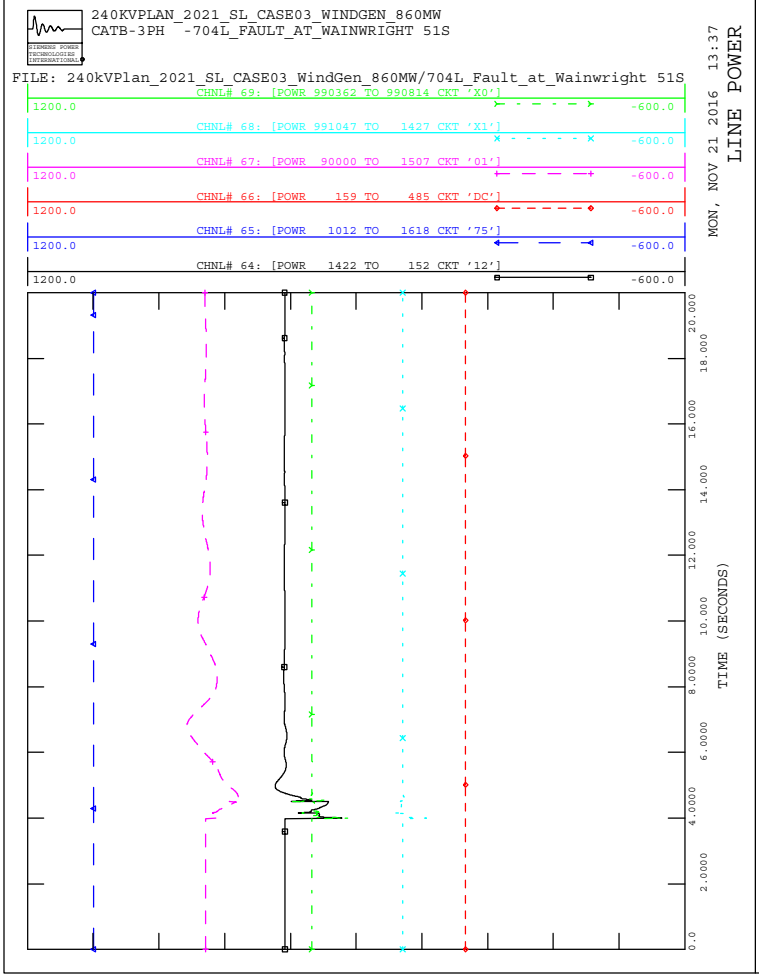
MON, NOV 21 2016 13:37

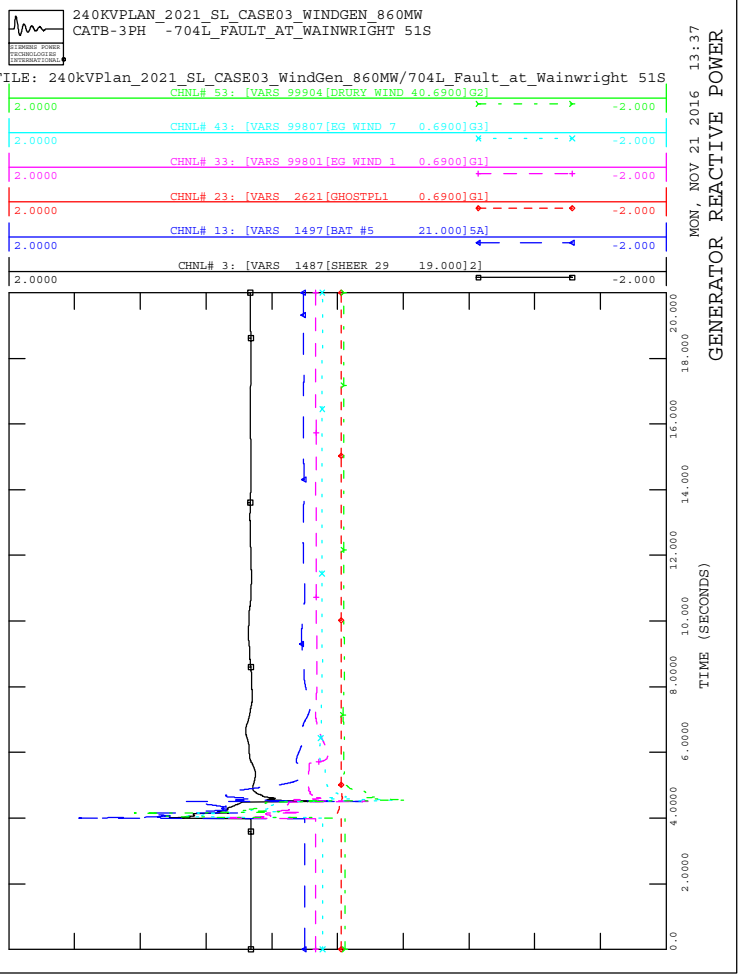
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

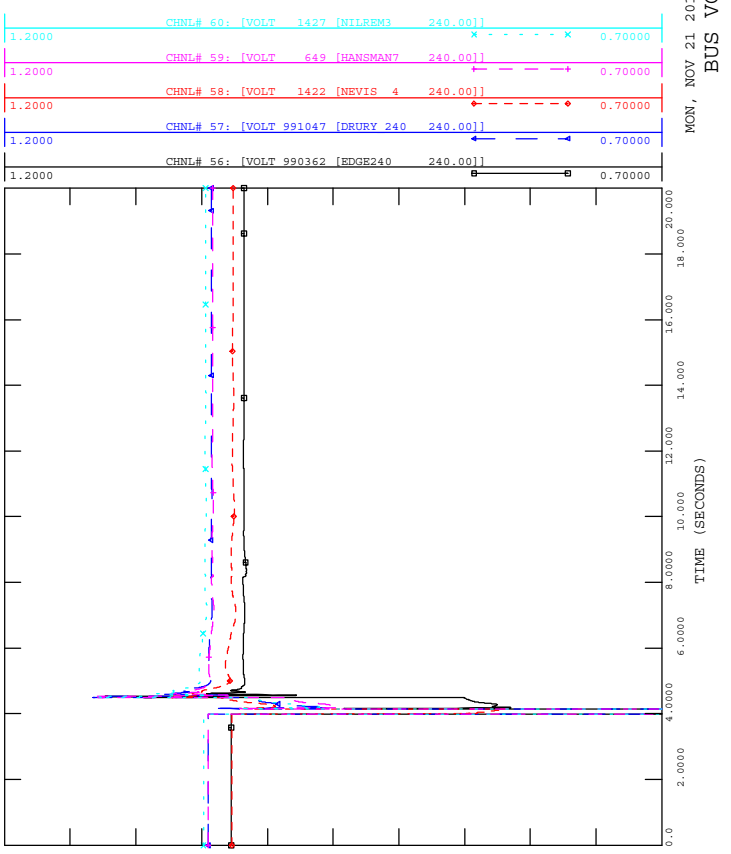

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

BUS VOLTAGE

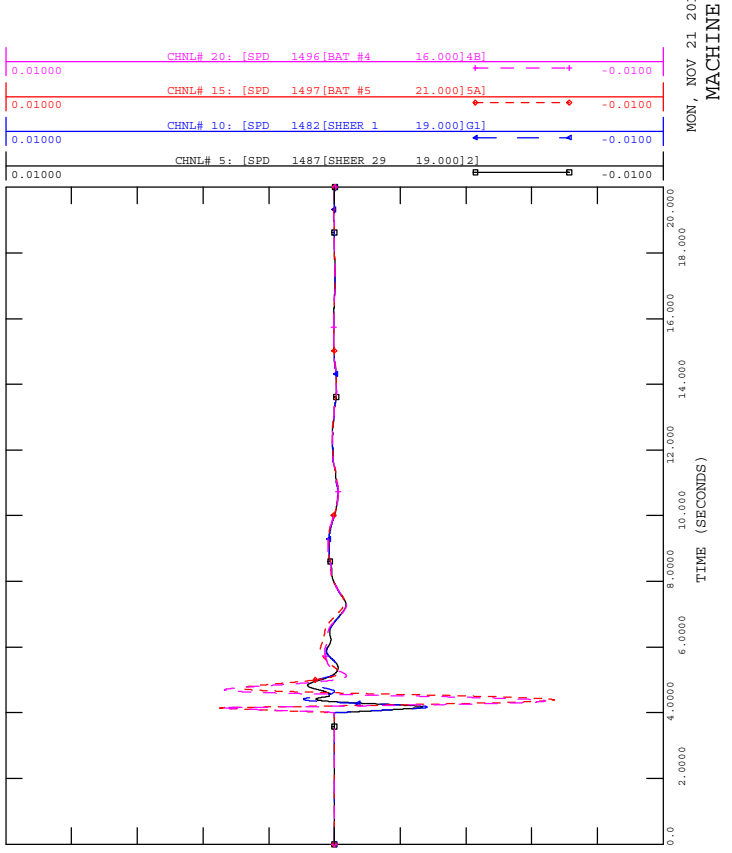


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

MACHINE SPEED

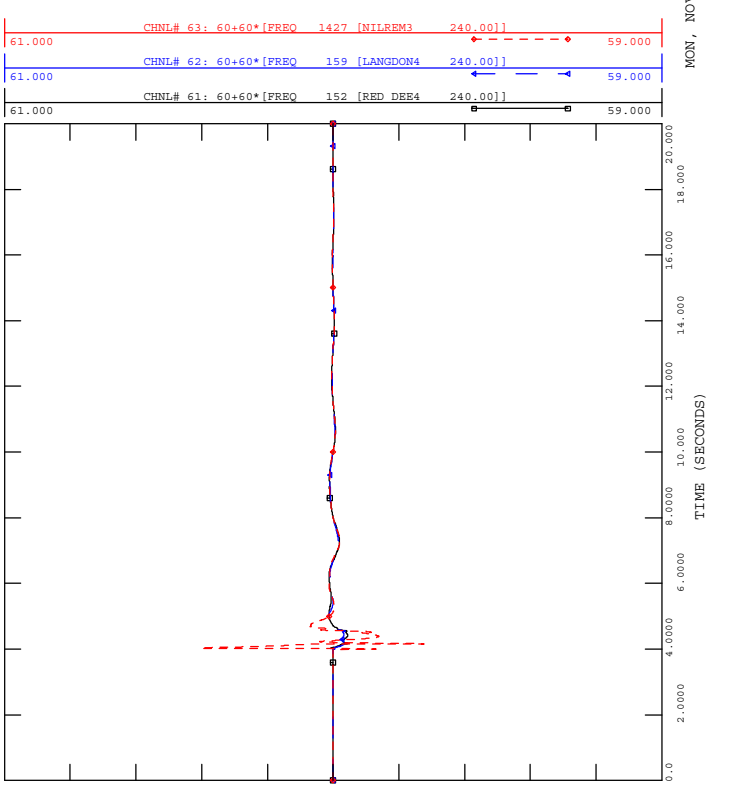


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

FREQUENCY

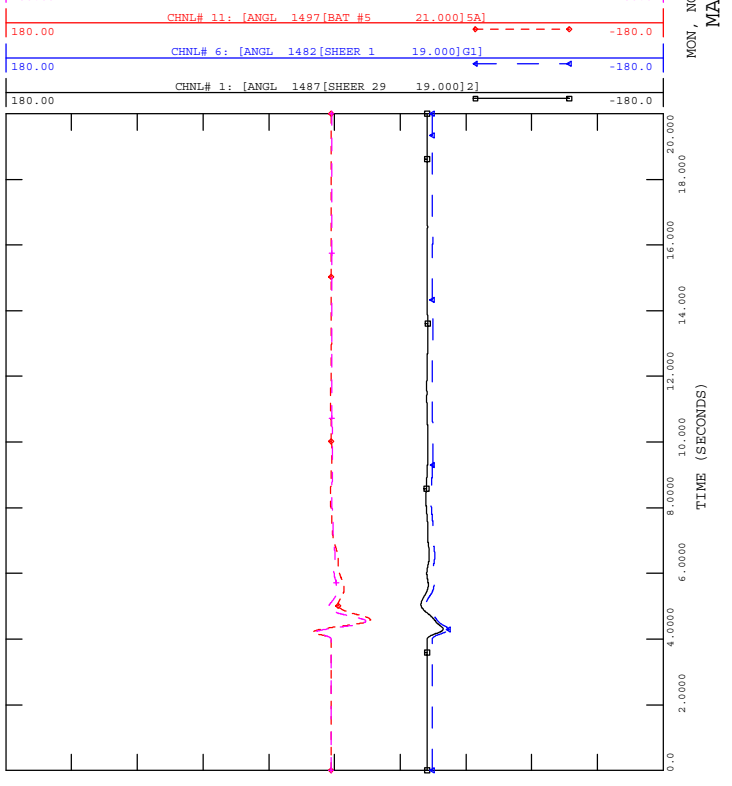


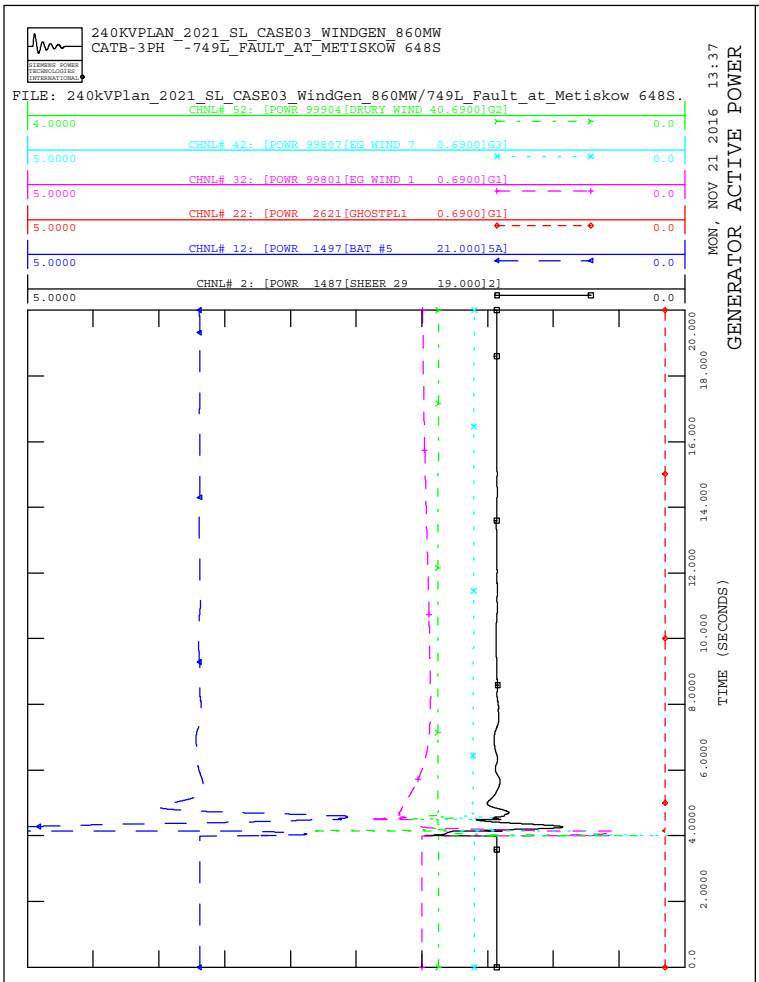
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

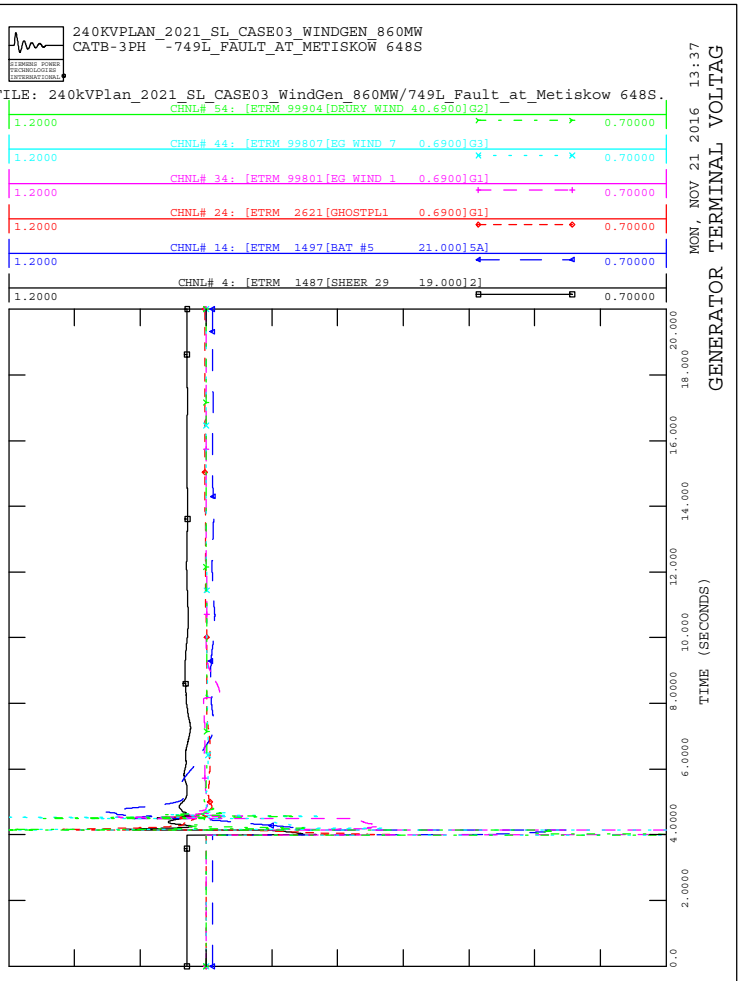
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.

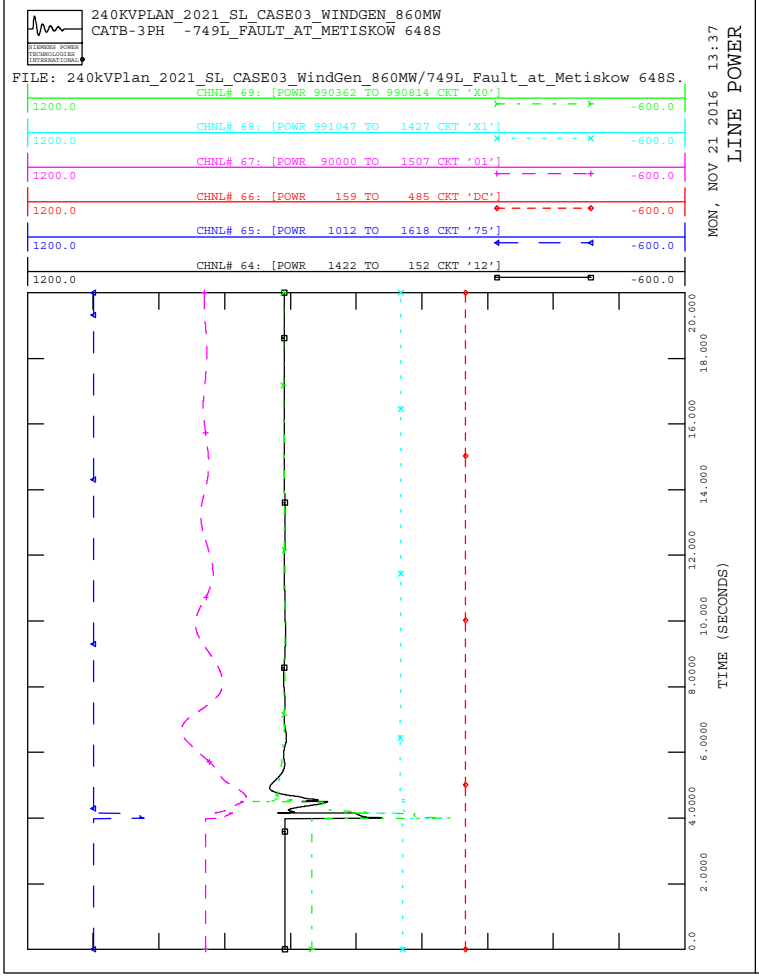
MON, NOV 21 2016 13:37

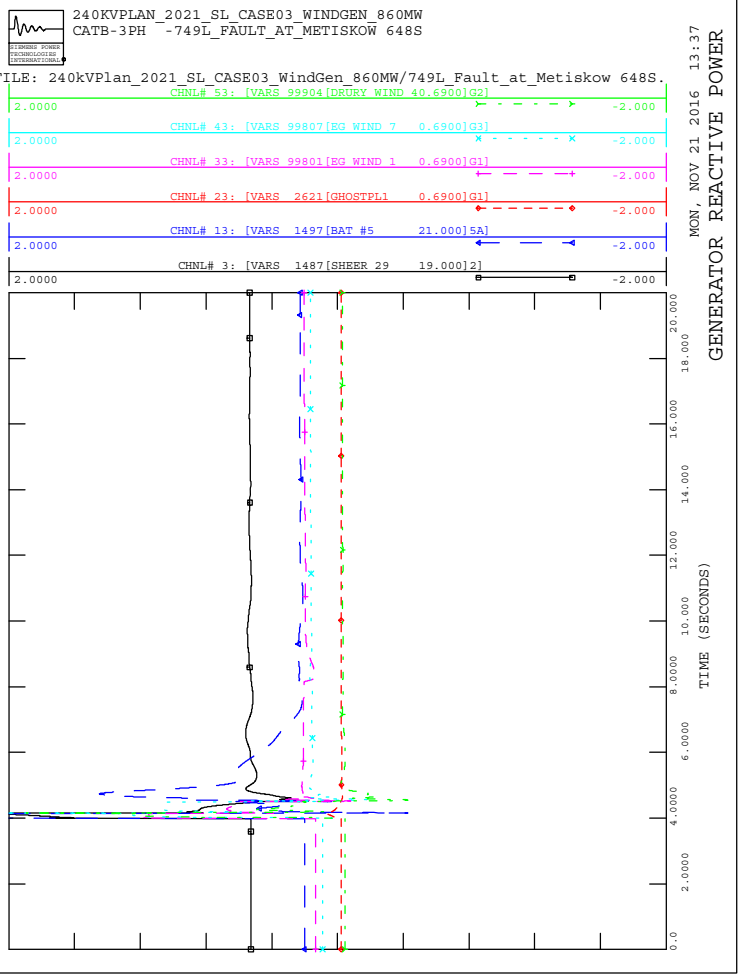
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

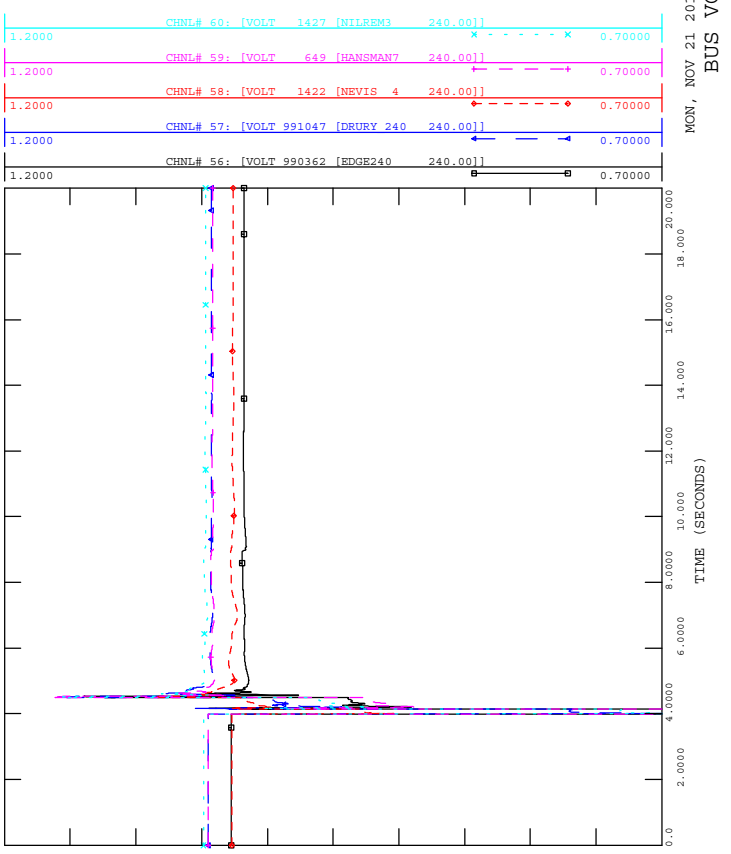

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.

MON, NOV 21 2016 13:37

BUS VOLTAGE

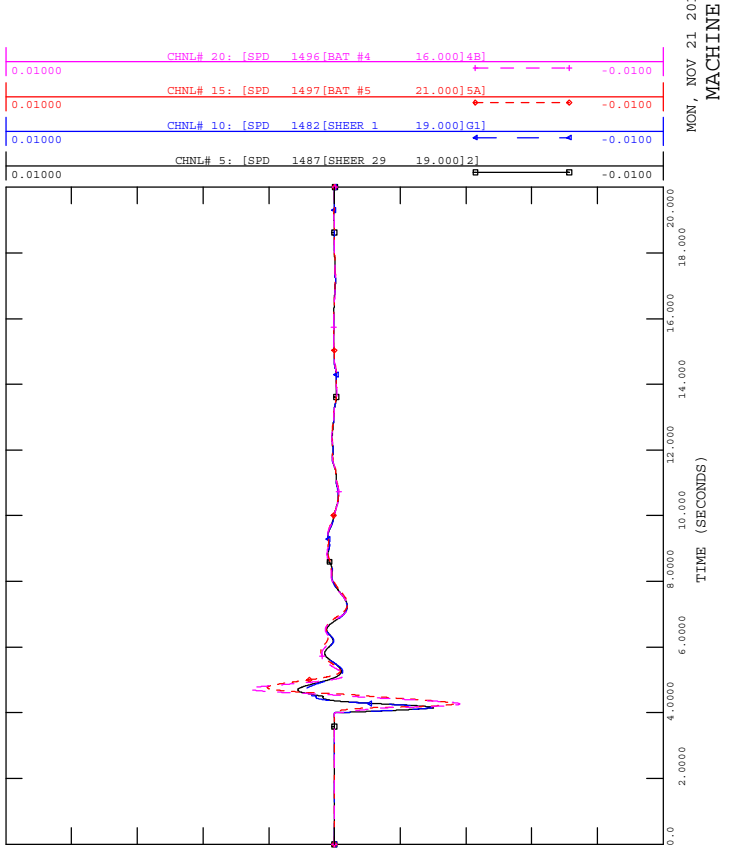


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.

MON, NOV 21 2016 13:37

MACHINE SPEED

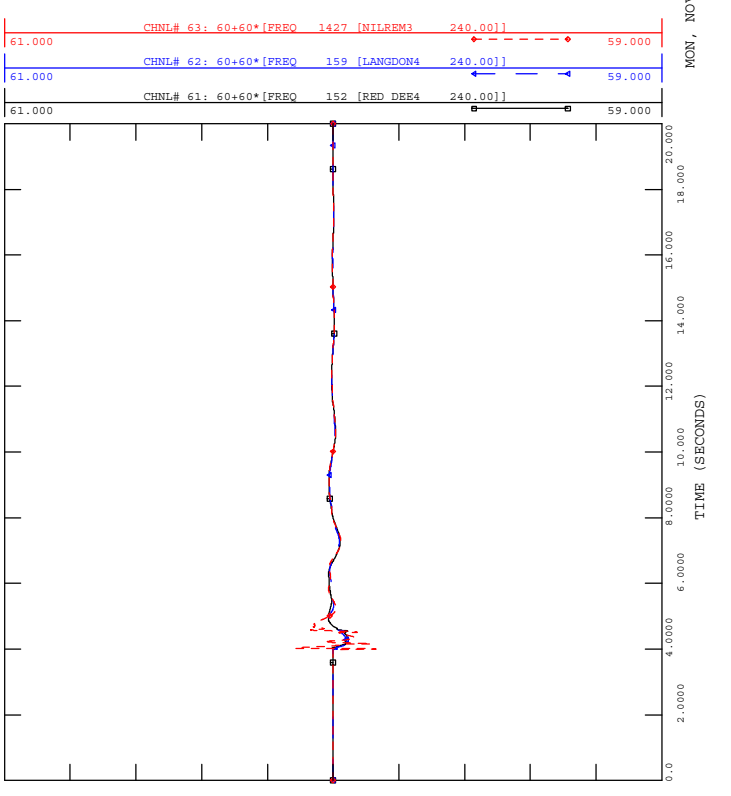


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.

MON, NOV 21 2016 13:37

FREQUENCY

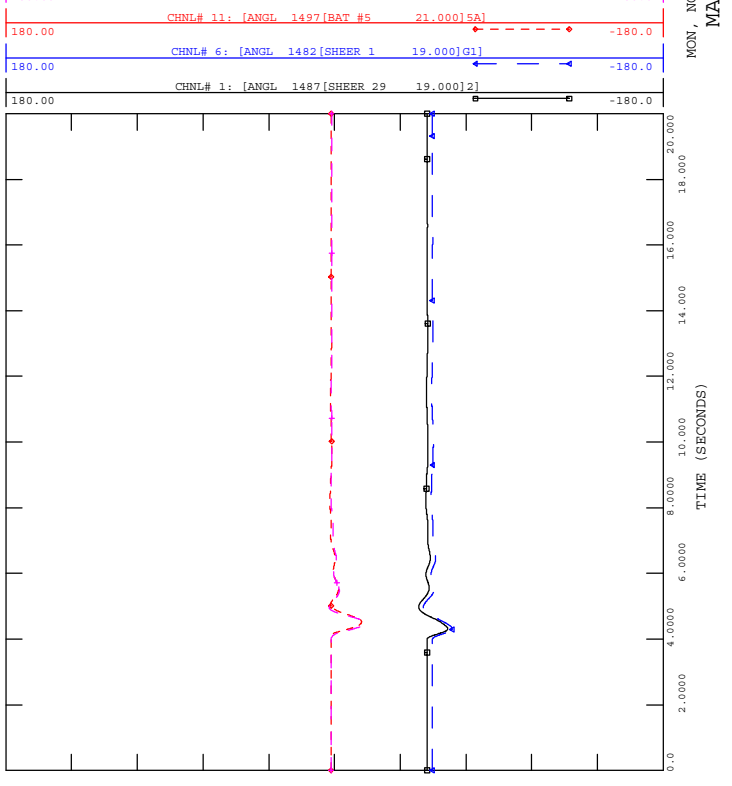


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.

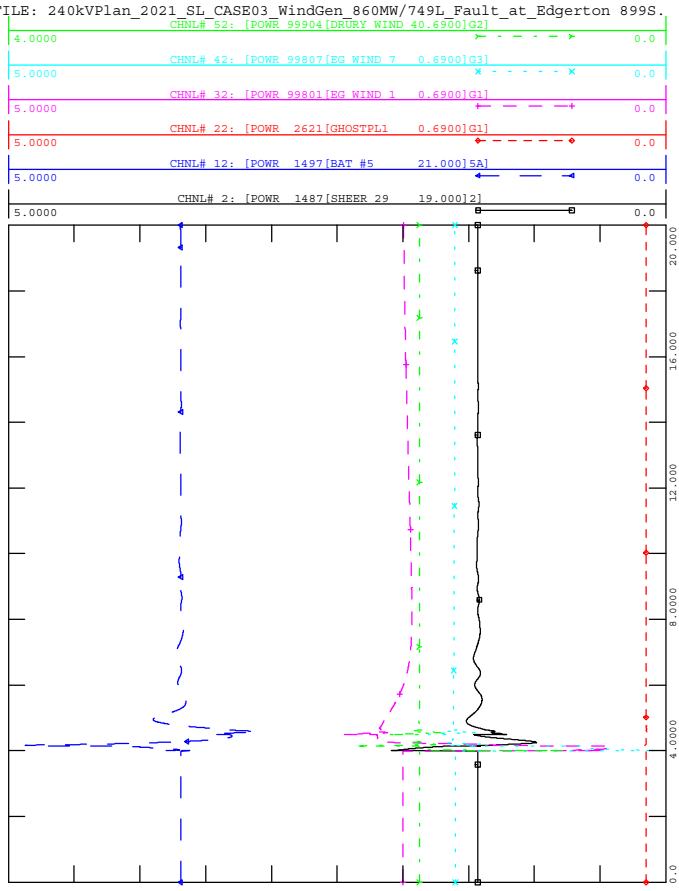
MON, NOV 21 2016 13:37

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

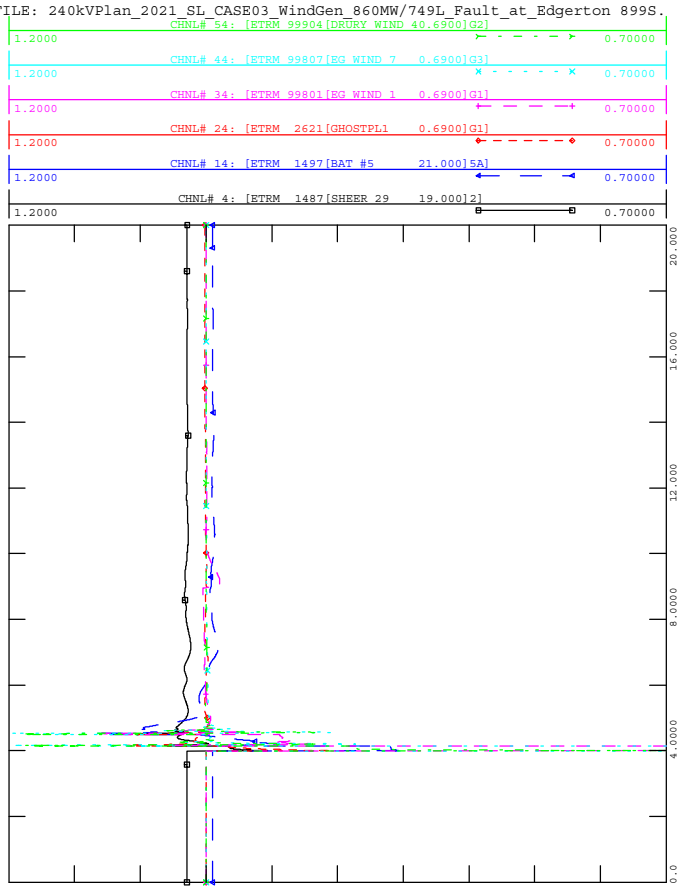
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.



GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

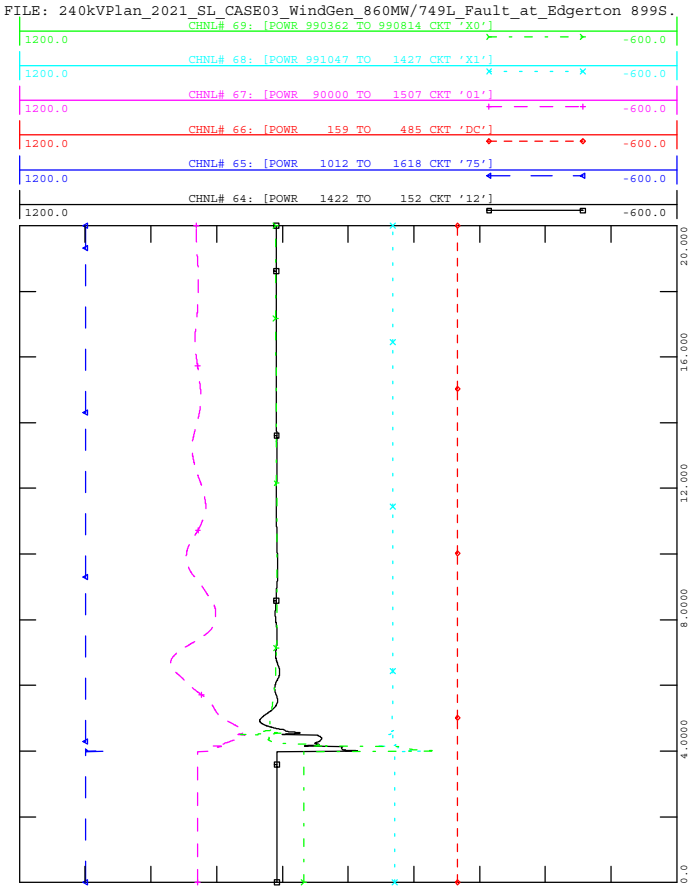
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

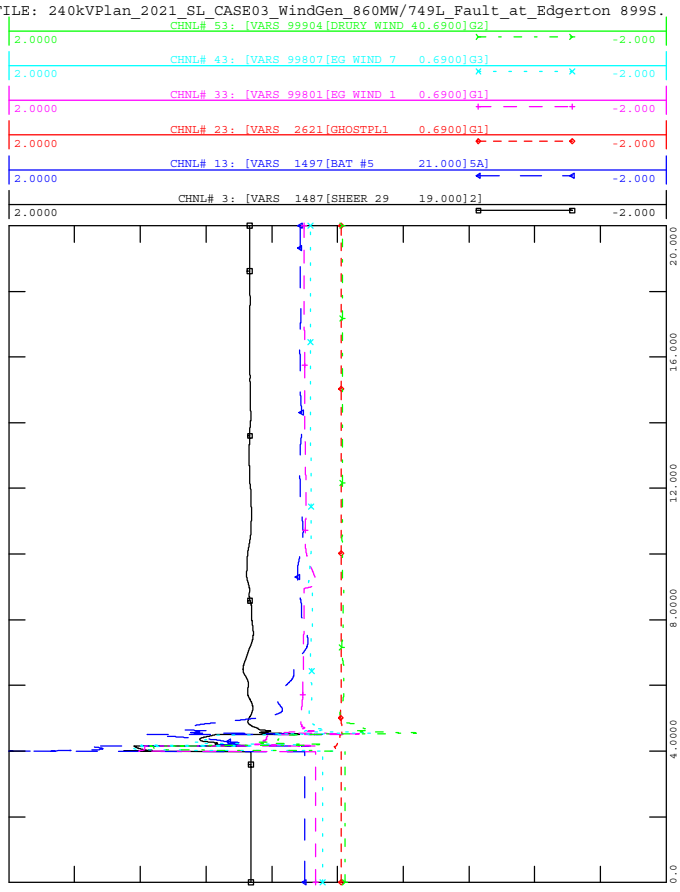
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.



LINE POWER
MON, NOV 21 2016 13:37

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.



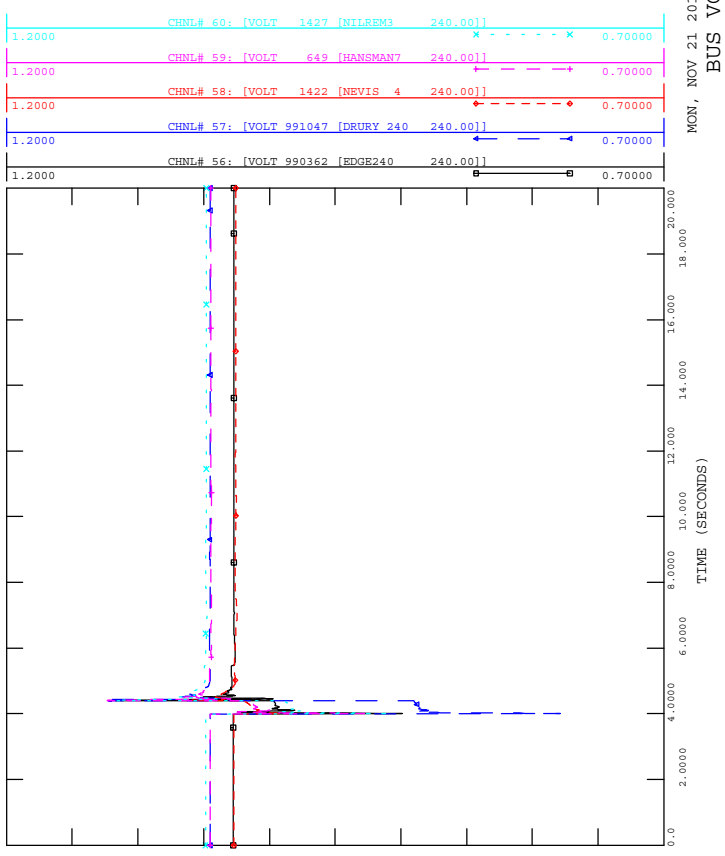
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7

MON, NOV 21 2016 13:37

BUS VOLTAGE

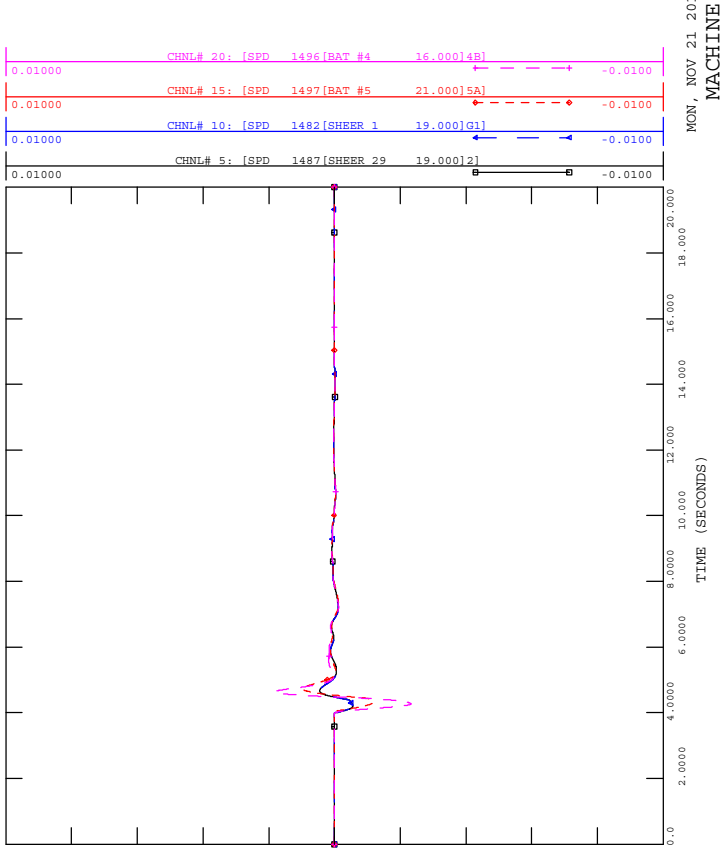


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7

MON, NOV 21 2016 13:37

MACHINE SPEED

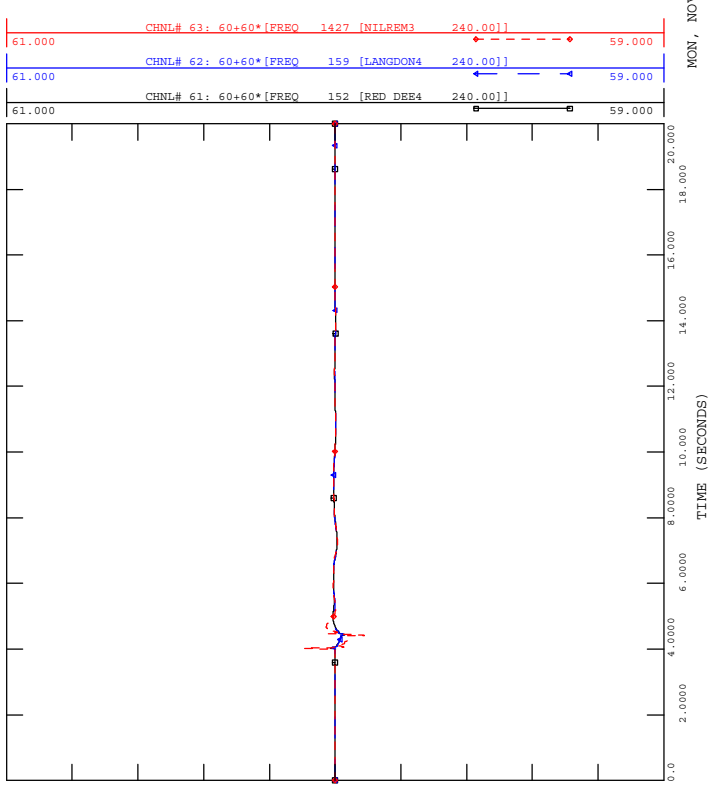


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7

MON, NOV 21 2016 13:37

FREQUENCY

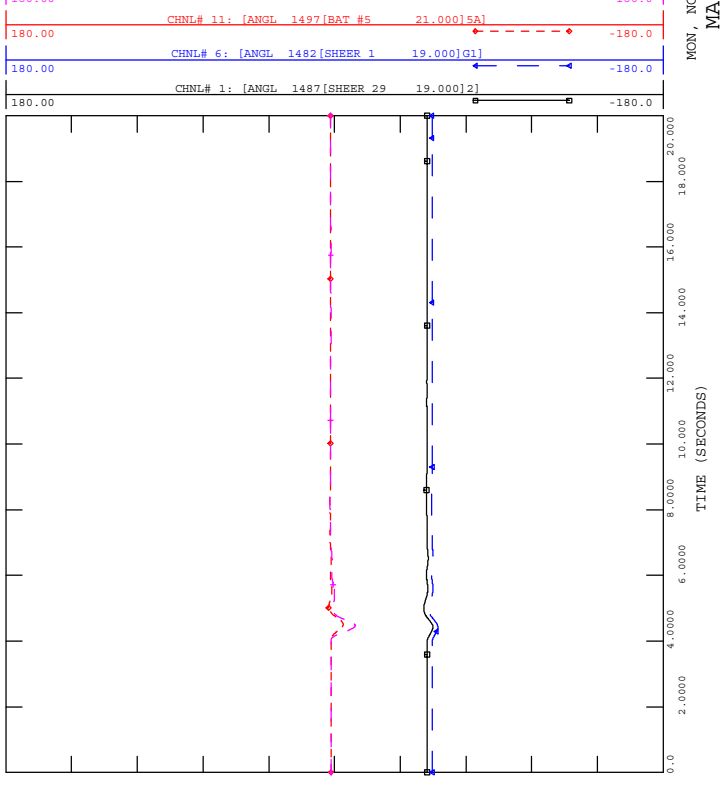


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7

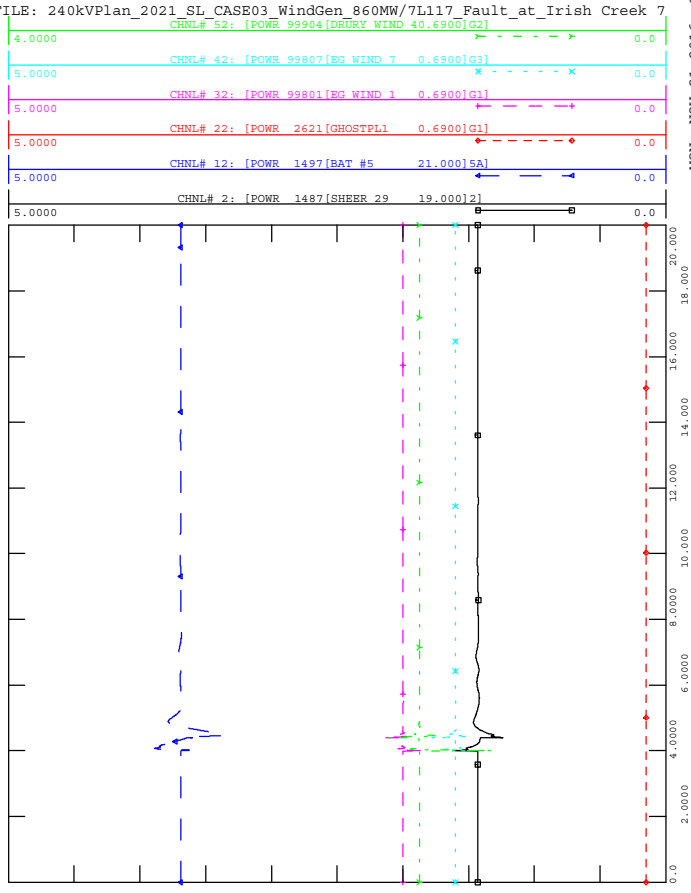
MON, NOV 21 2016 13:37

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

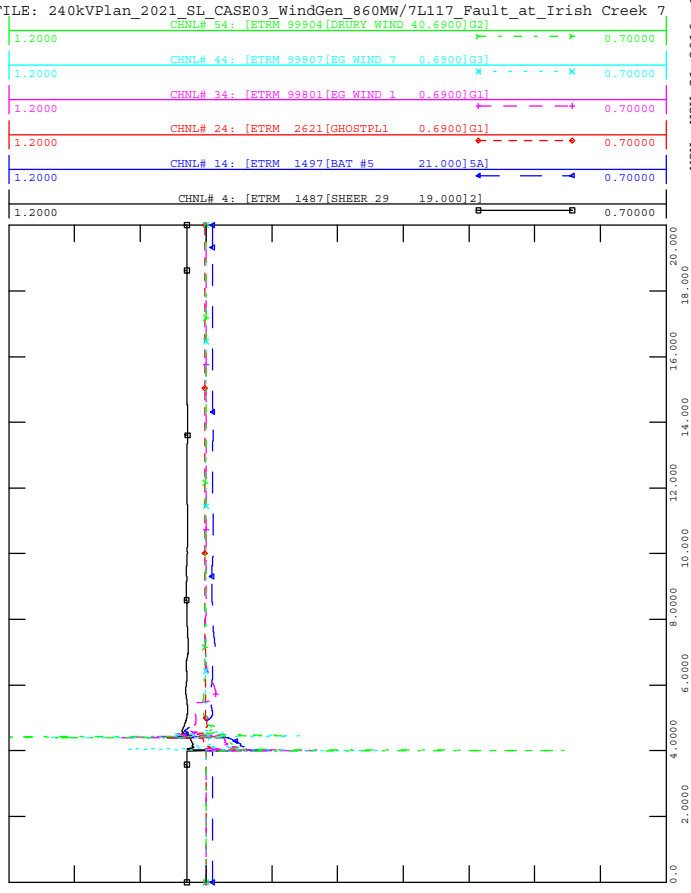
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7



MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

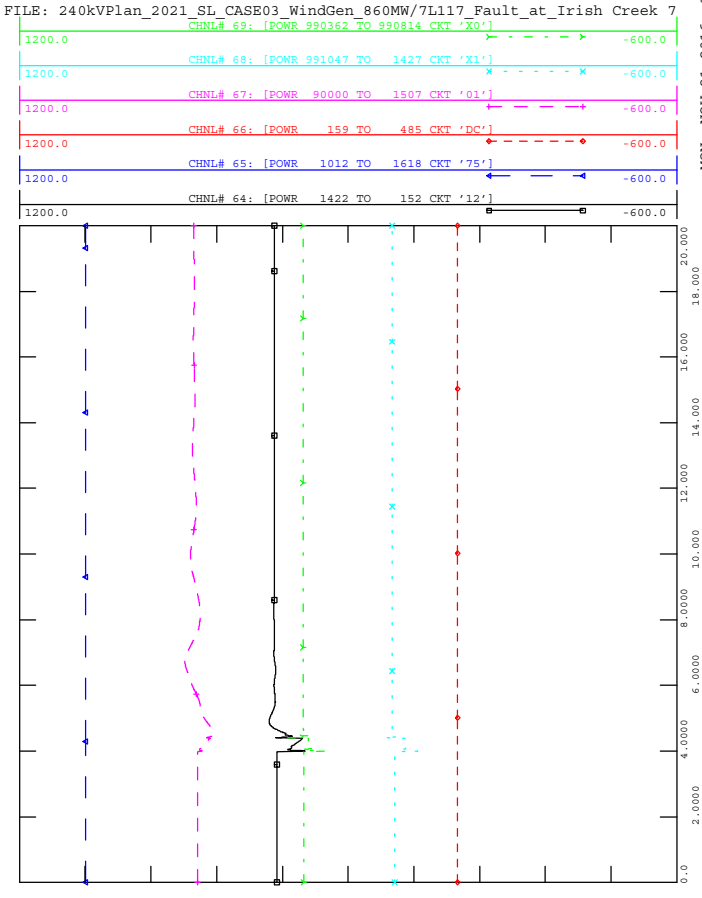
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7



MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

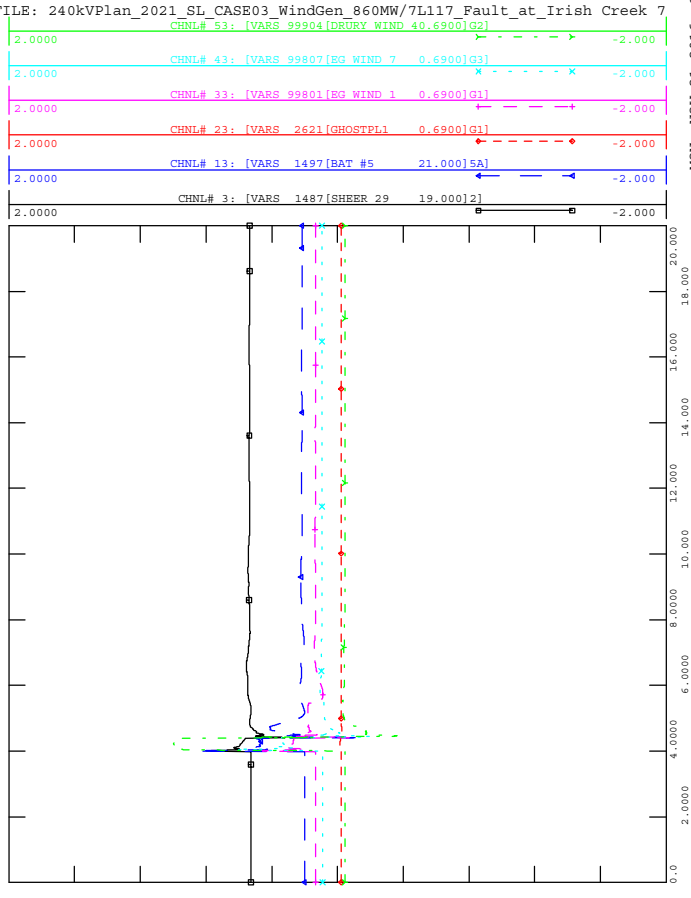
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7



MON, NOV 21 2016 13:37
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7



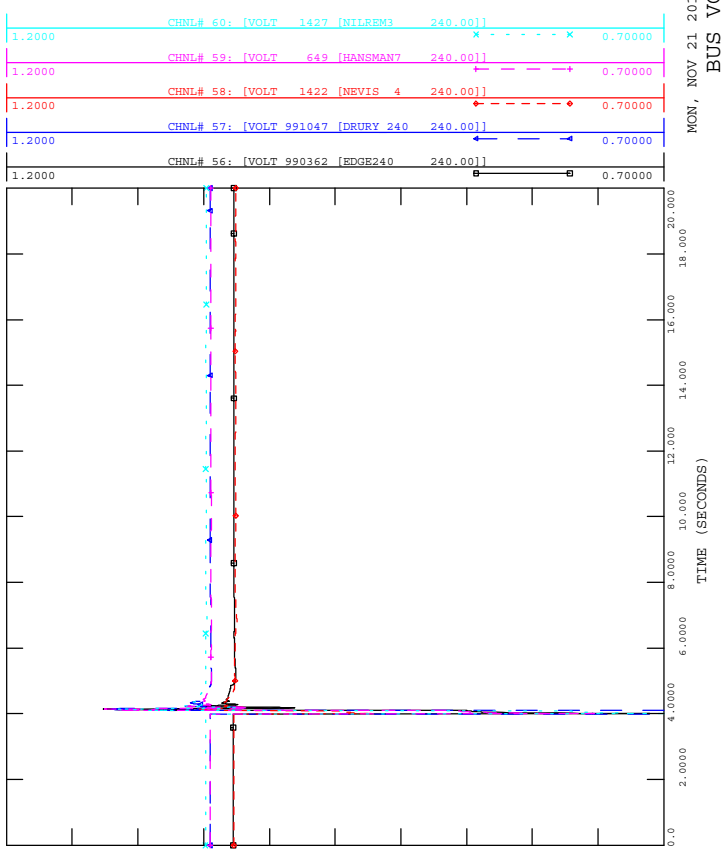
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

BUS VOLTAGE

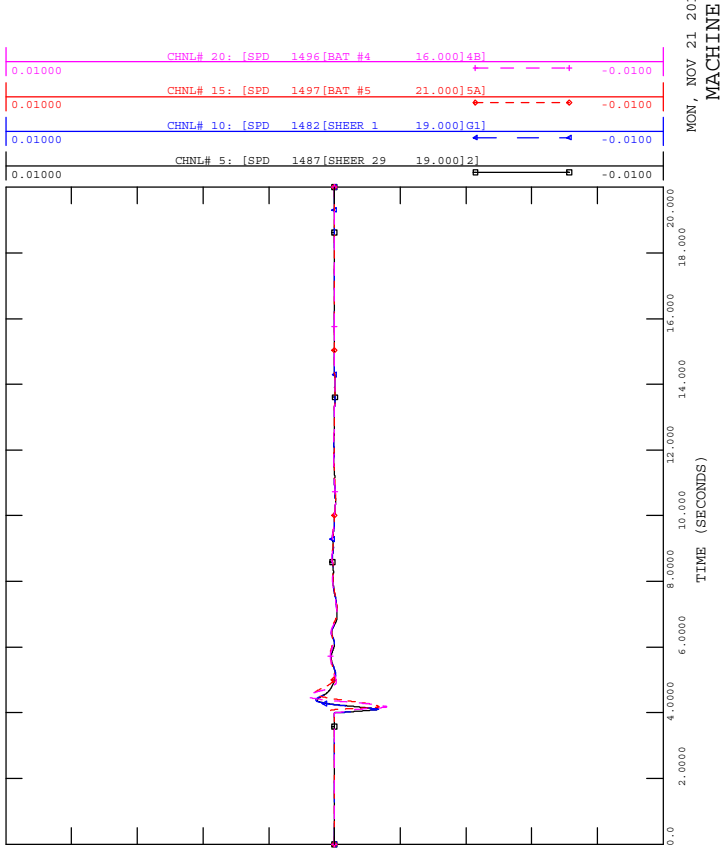


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

MACHINE SPEED

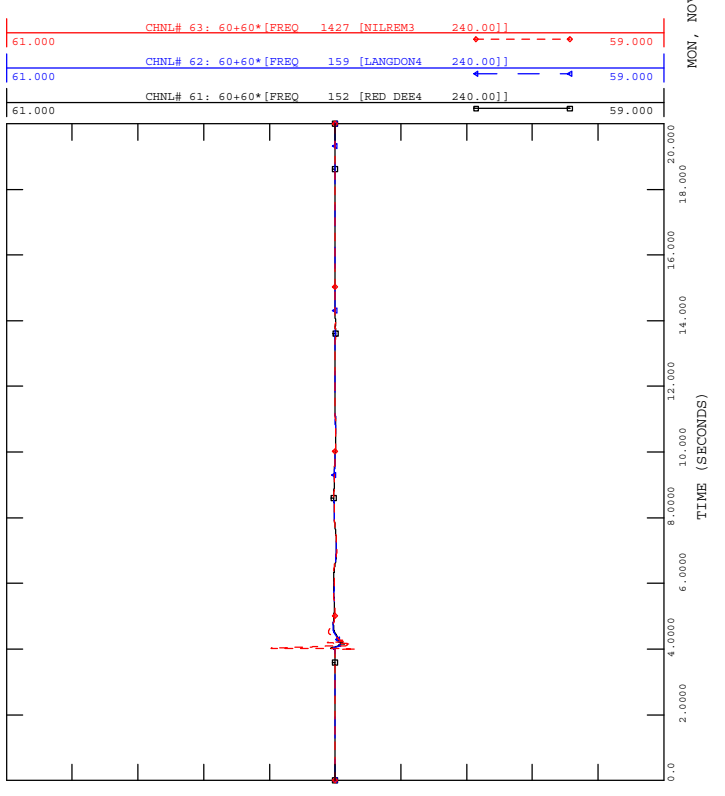


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

FREQUENCY

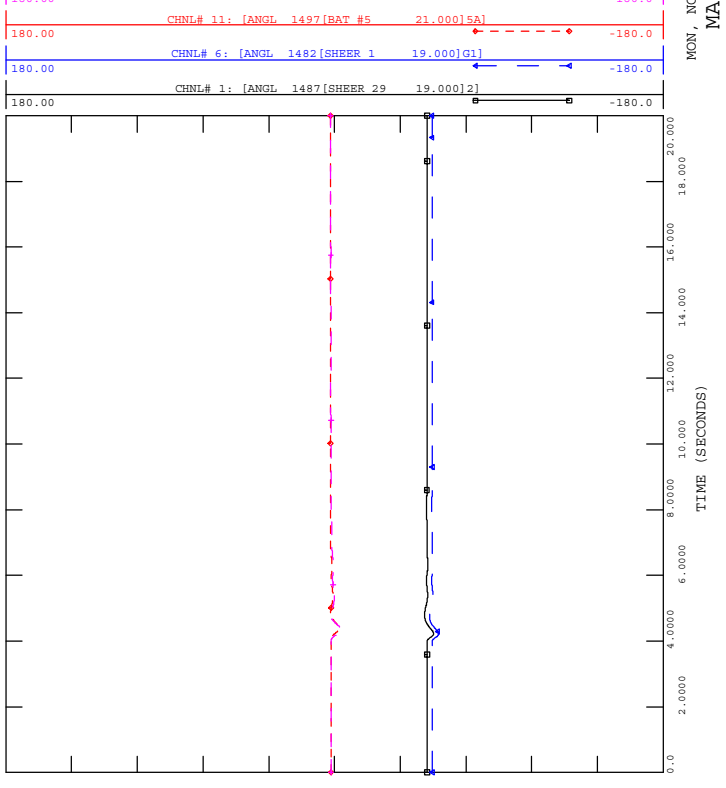


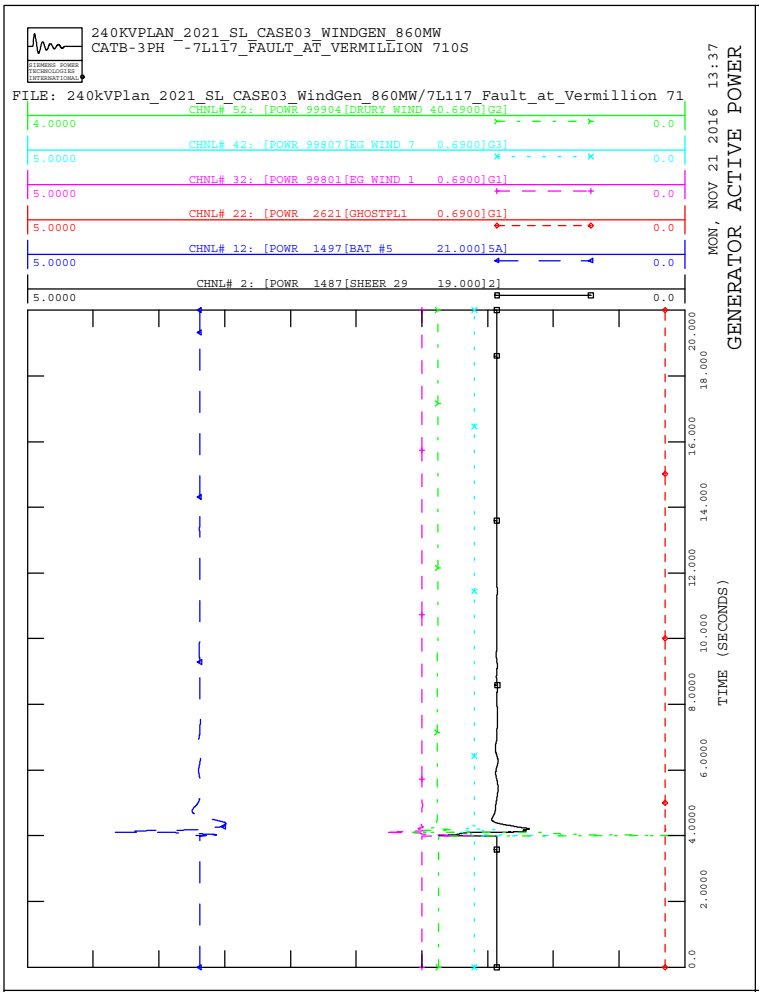
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

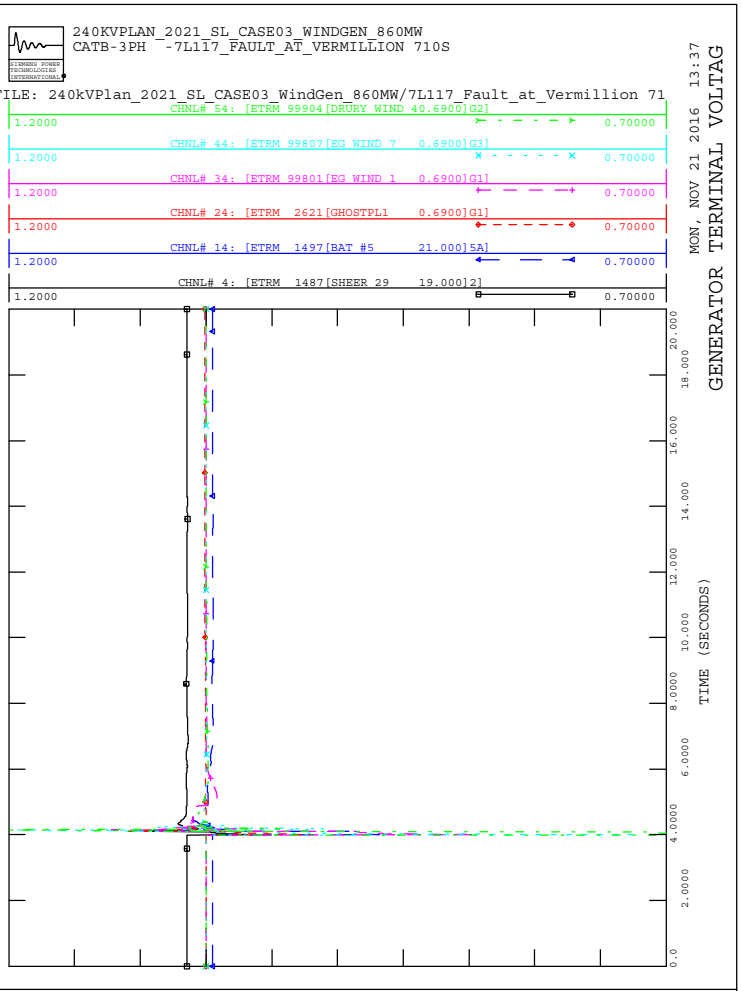
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71

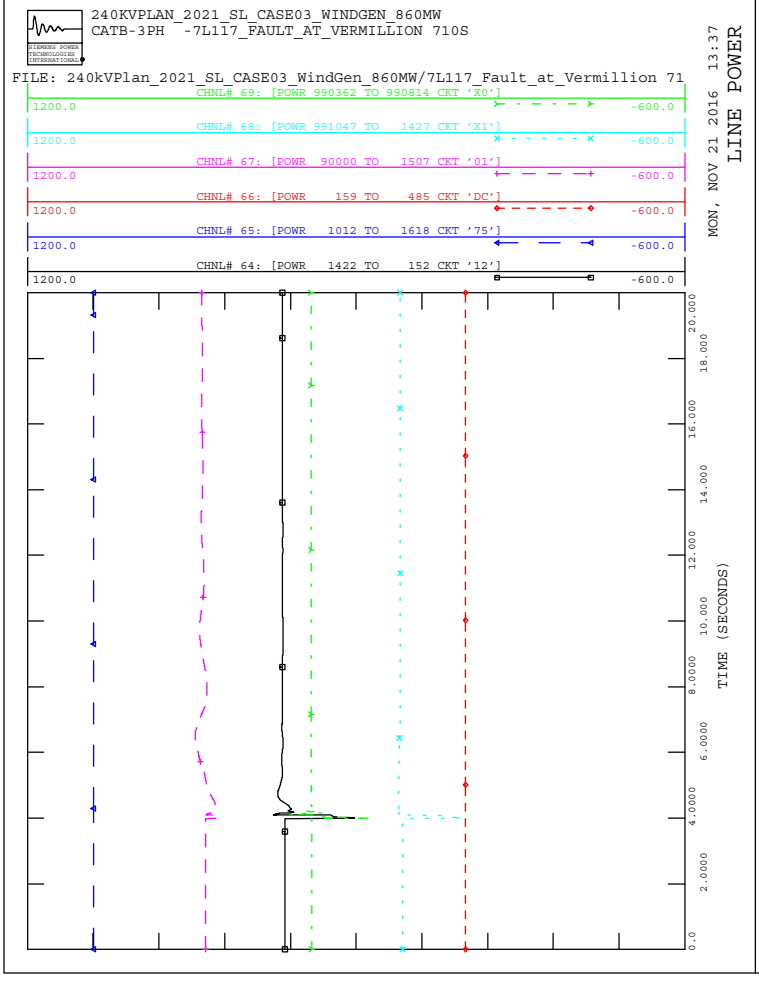
MON, NOV 21 2016 13:37

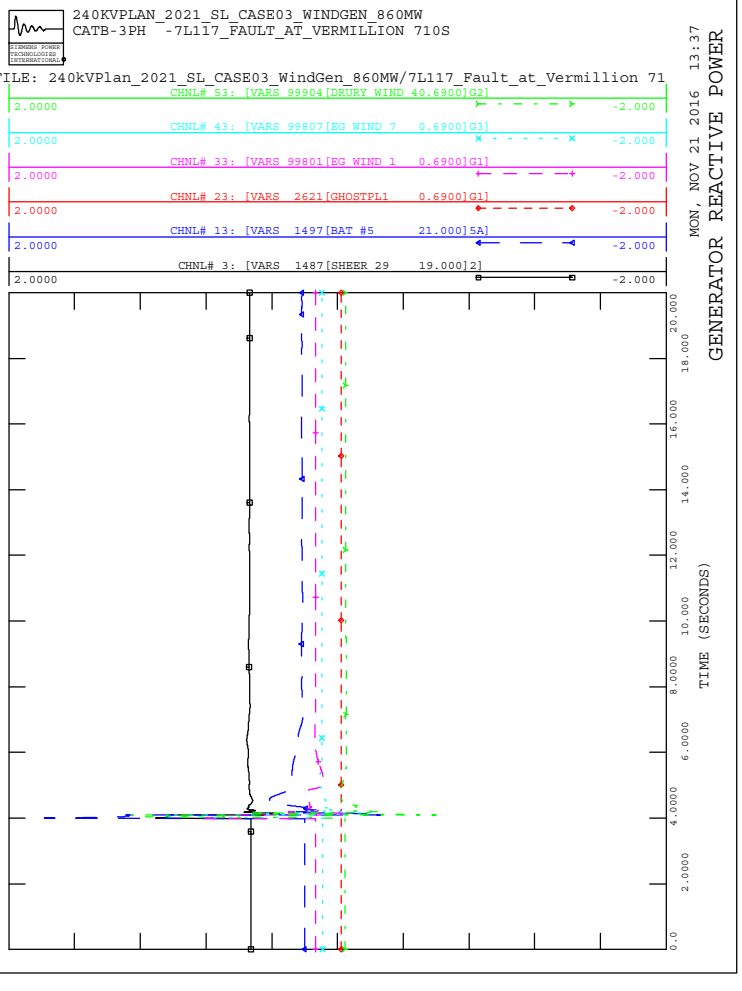
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:37
LINE POWER

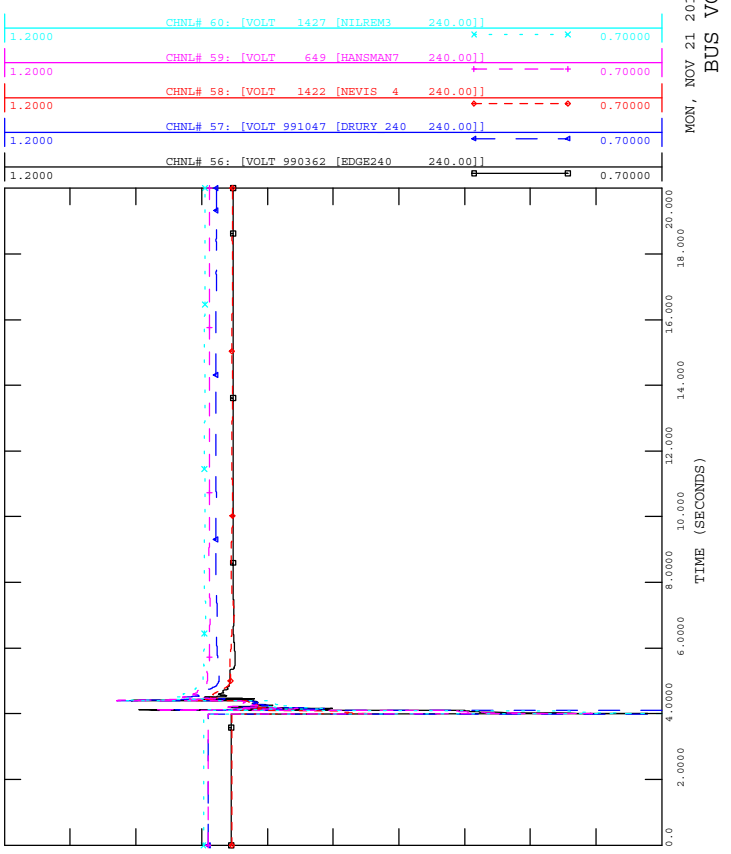

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

BUS VOLTAGE

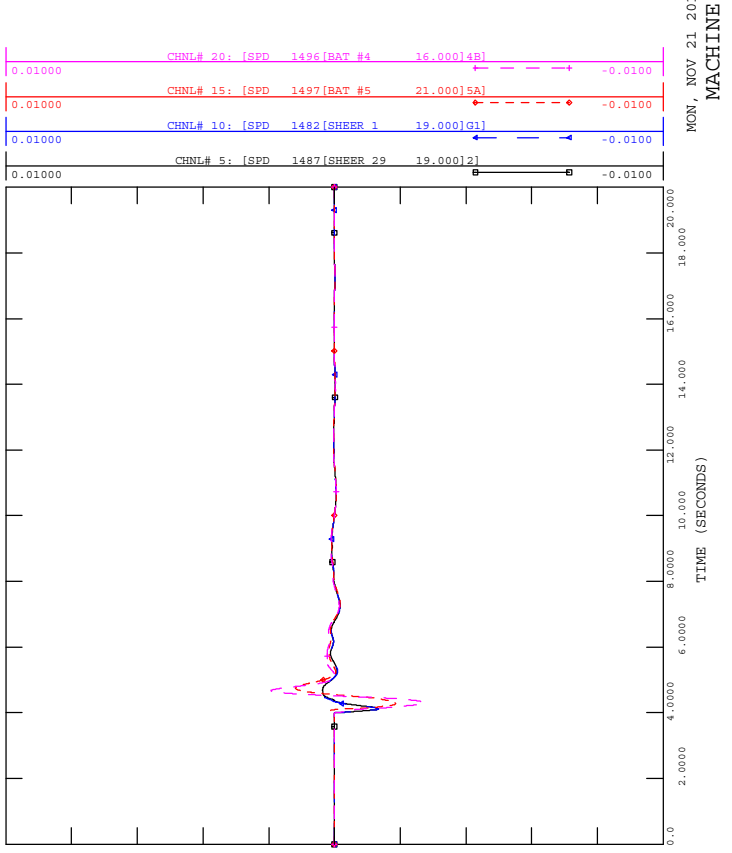


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

MACHINE SPEED

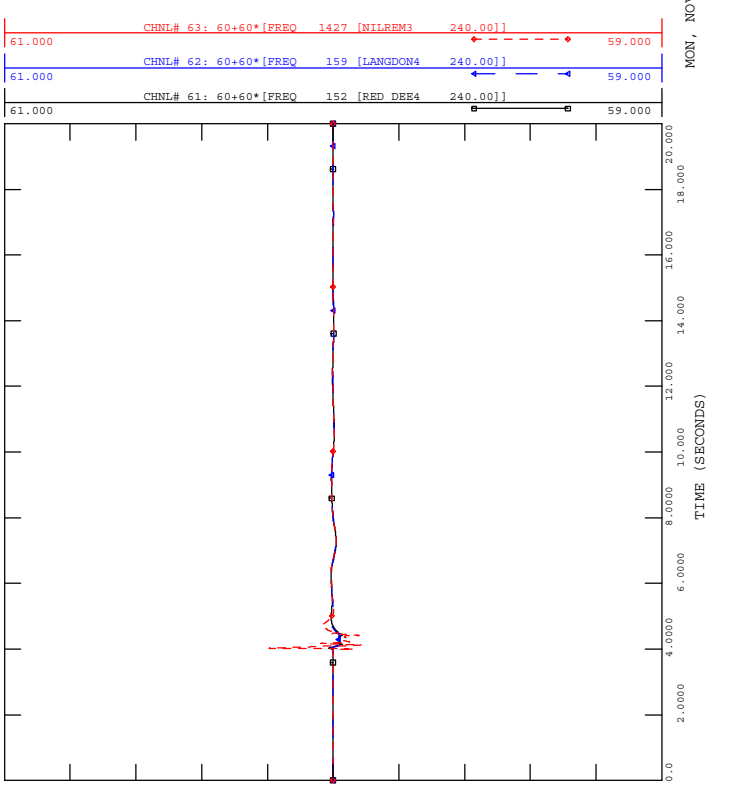


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

FREQUENCY

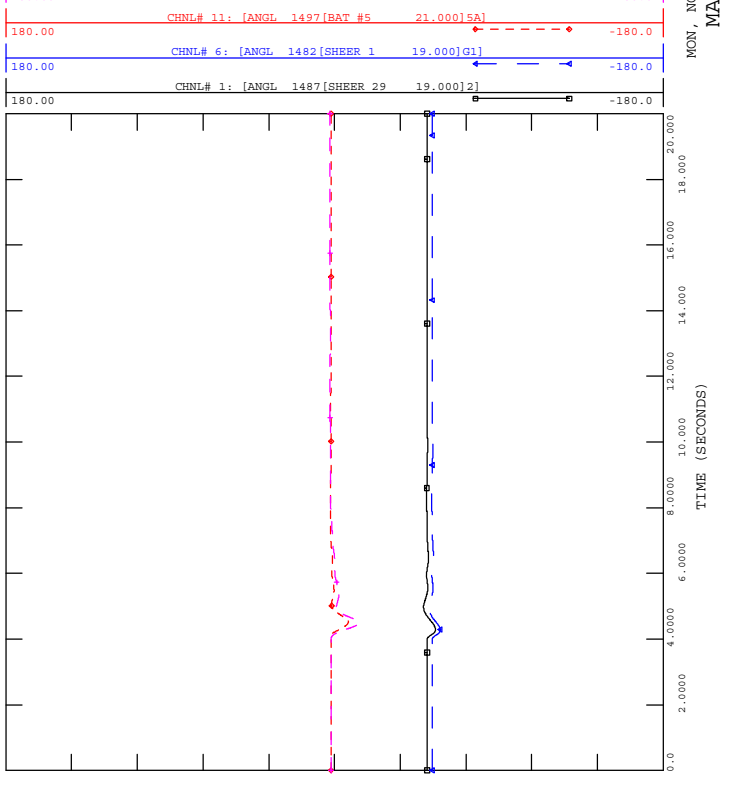


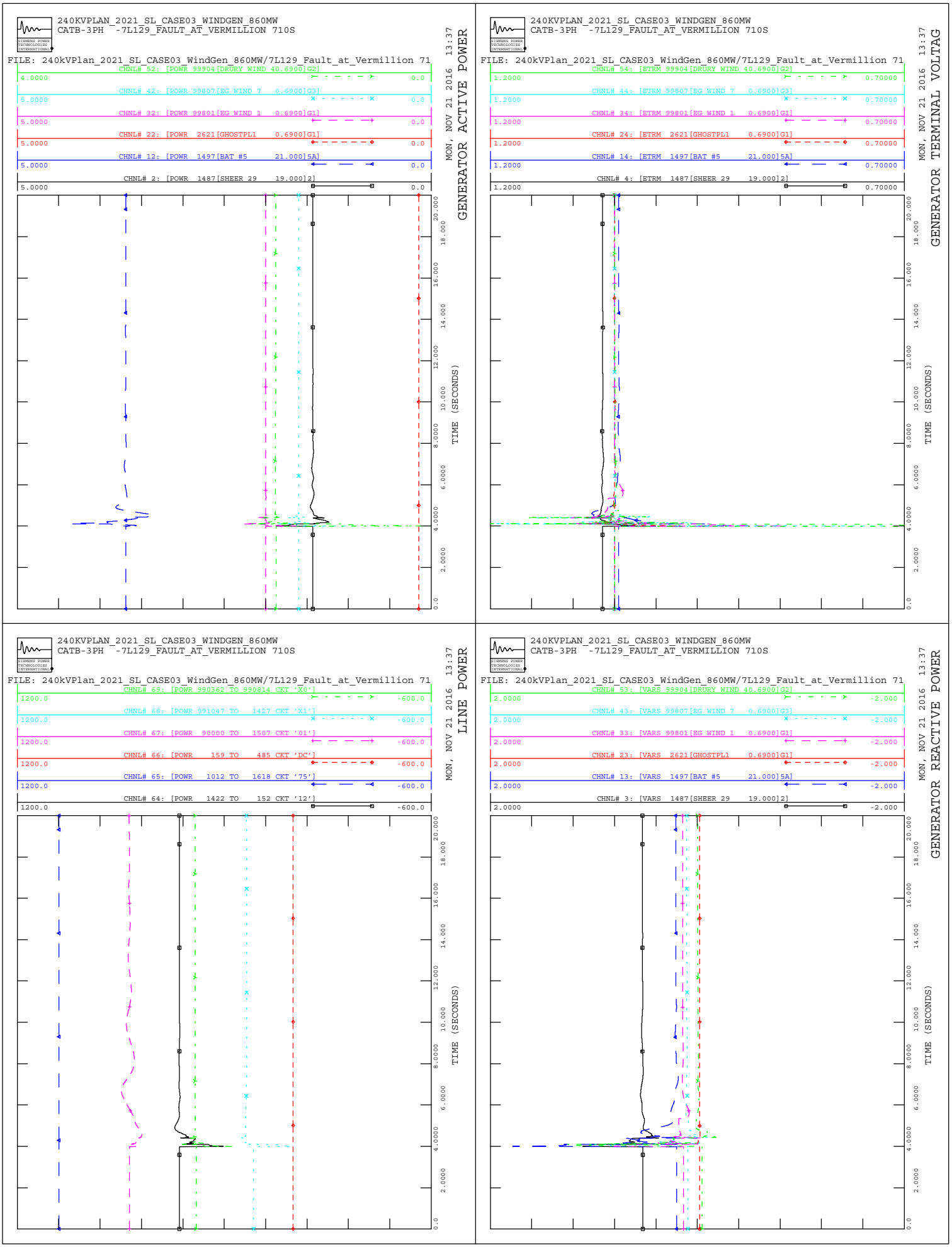
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

MACHINE ANGEL



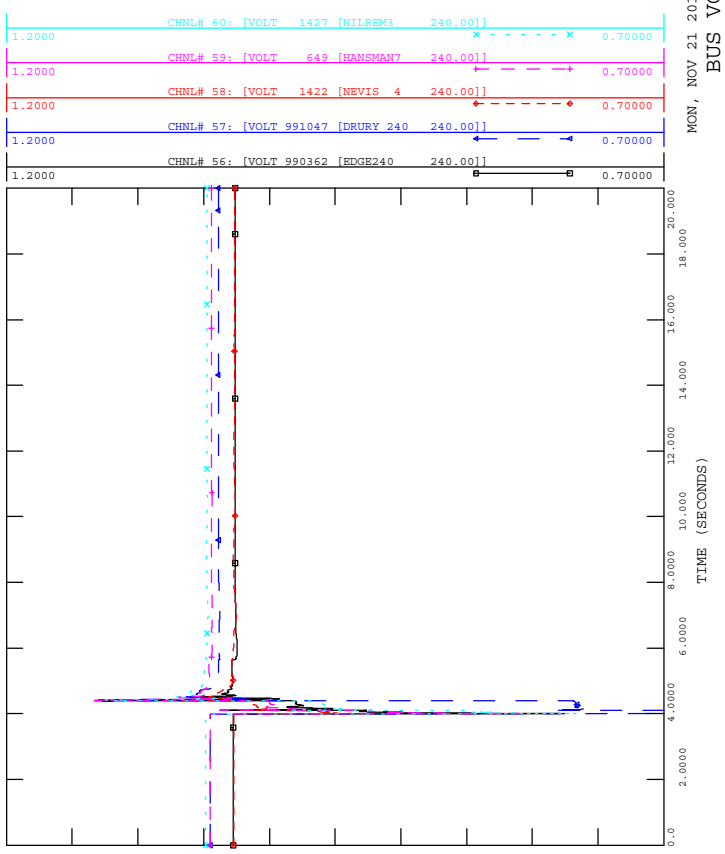

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek

MON, NOV 21 2016 13:37

BUS VOLTAGE

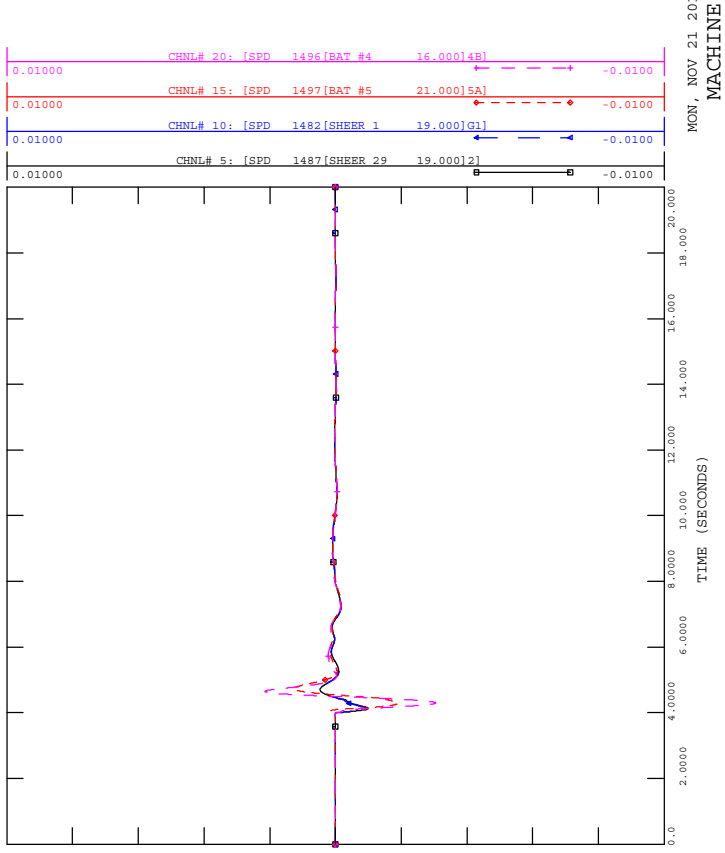


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek

MON, NOV 21 2016 13:37

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek

MON, NOV 21 2016 13:37

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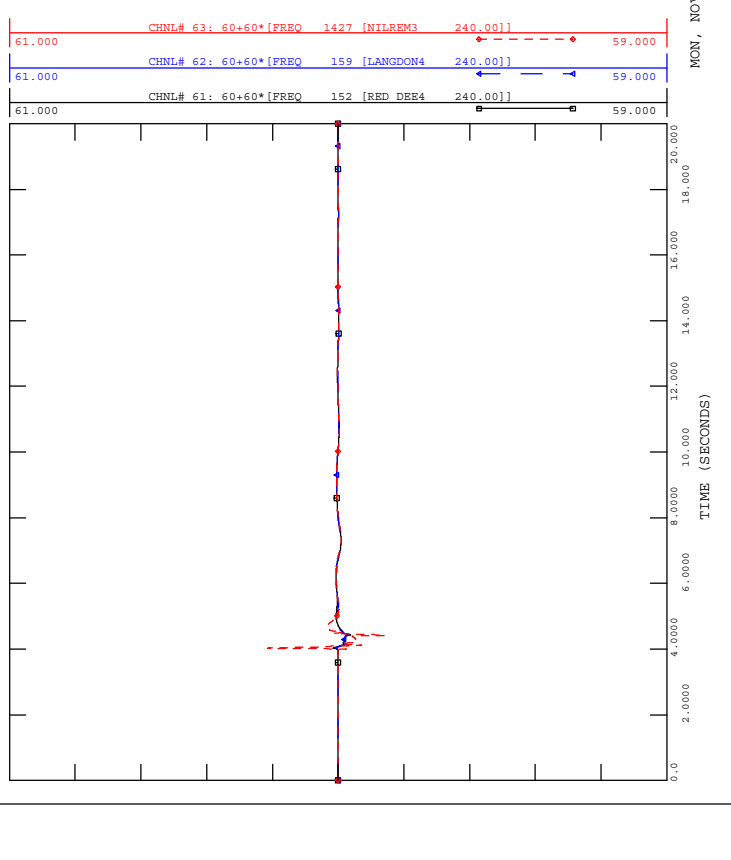
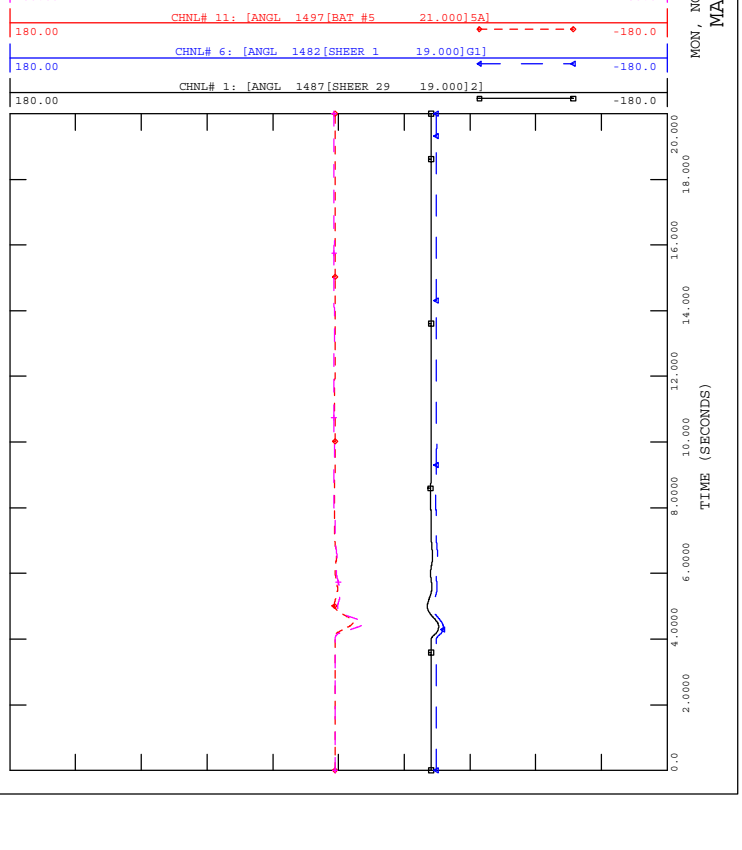


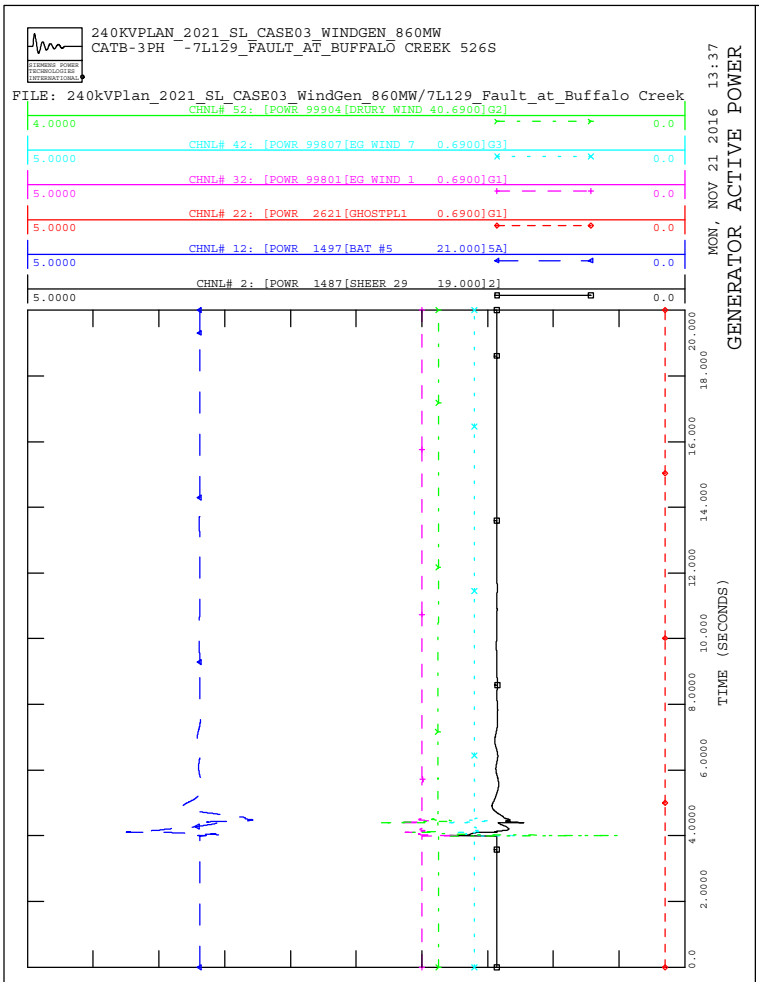
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

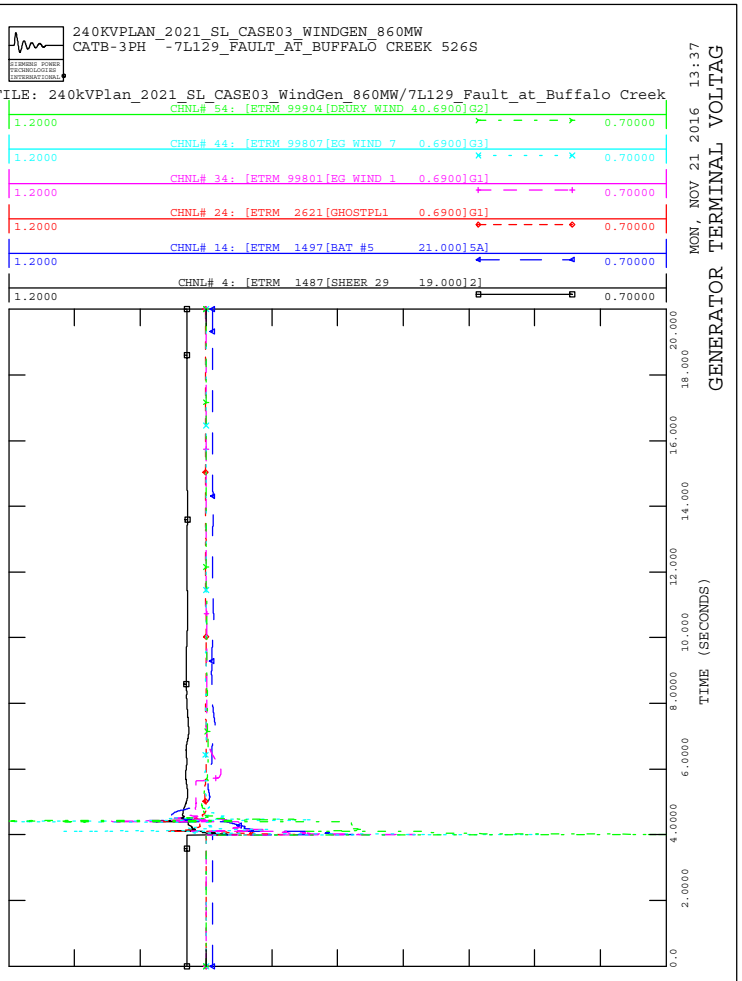
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek

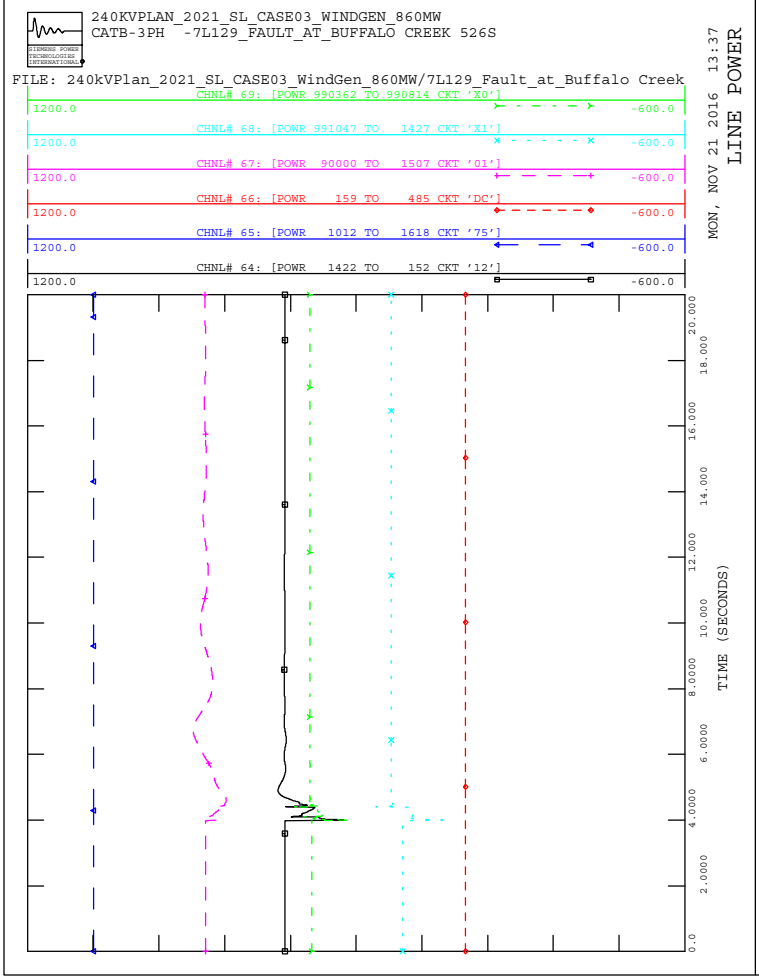
MON, NOV 21 2016 13:37

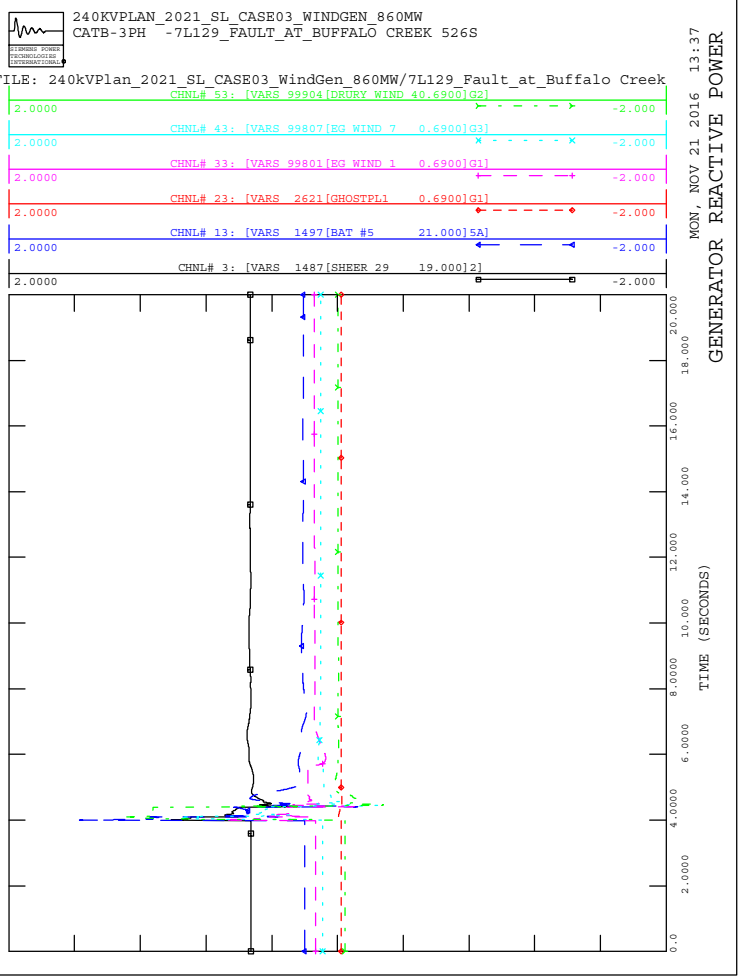
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:37
LINE POWER

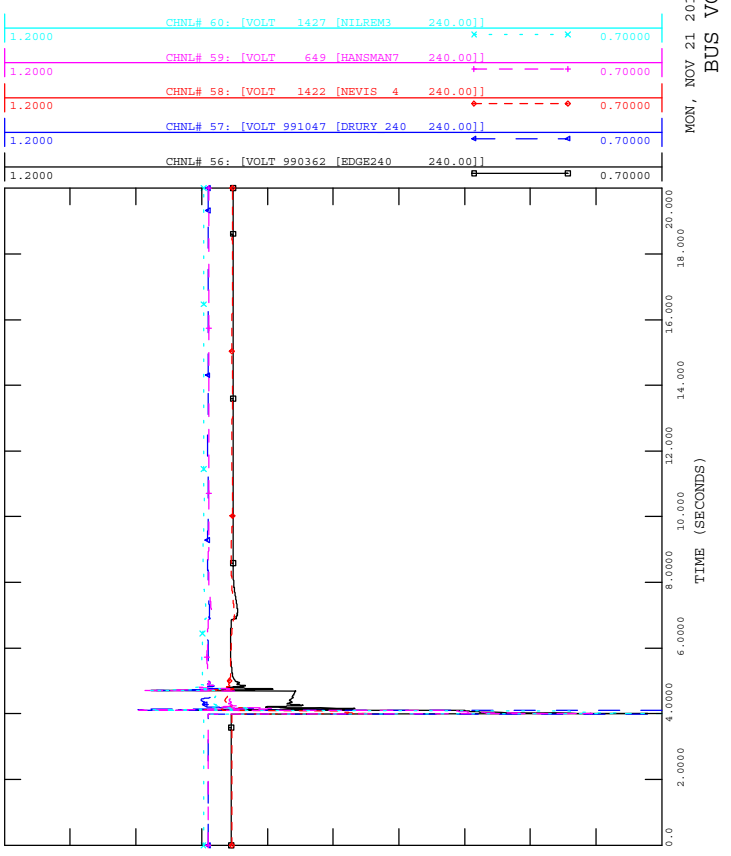

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

BUS VOLTAGE

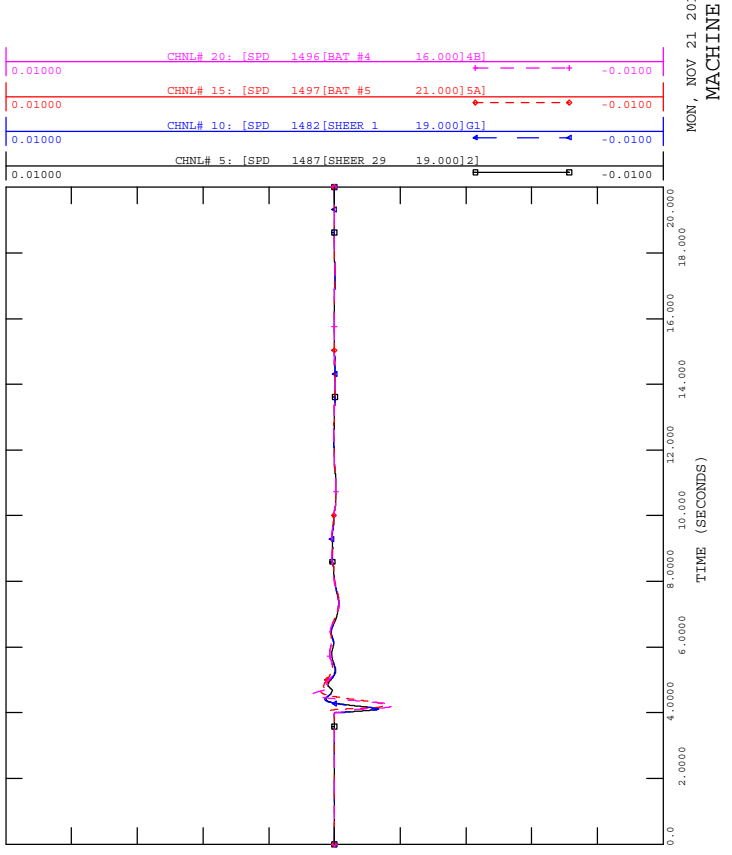


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

MACHINE SPEED

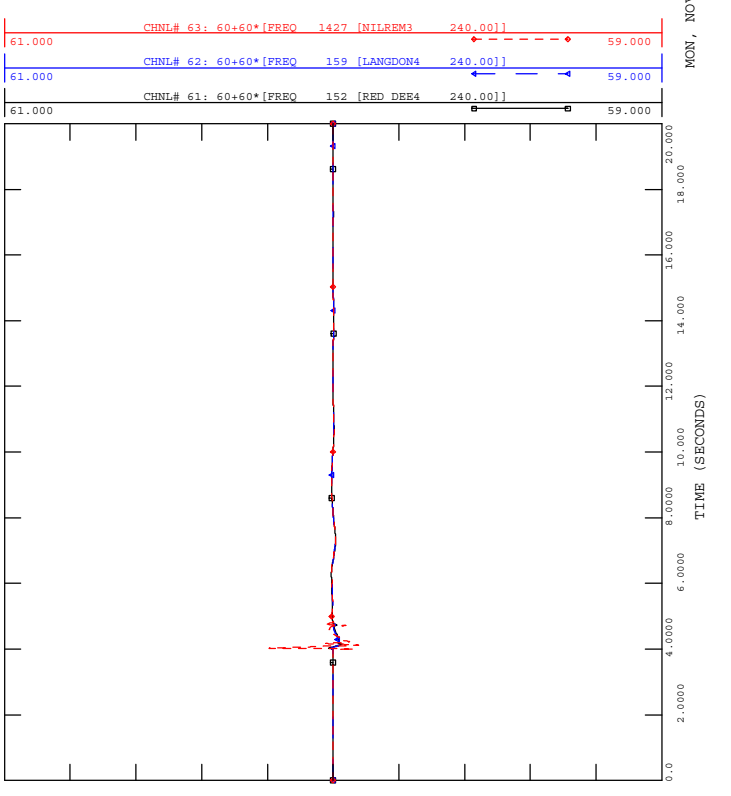


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

FREQUENCY

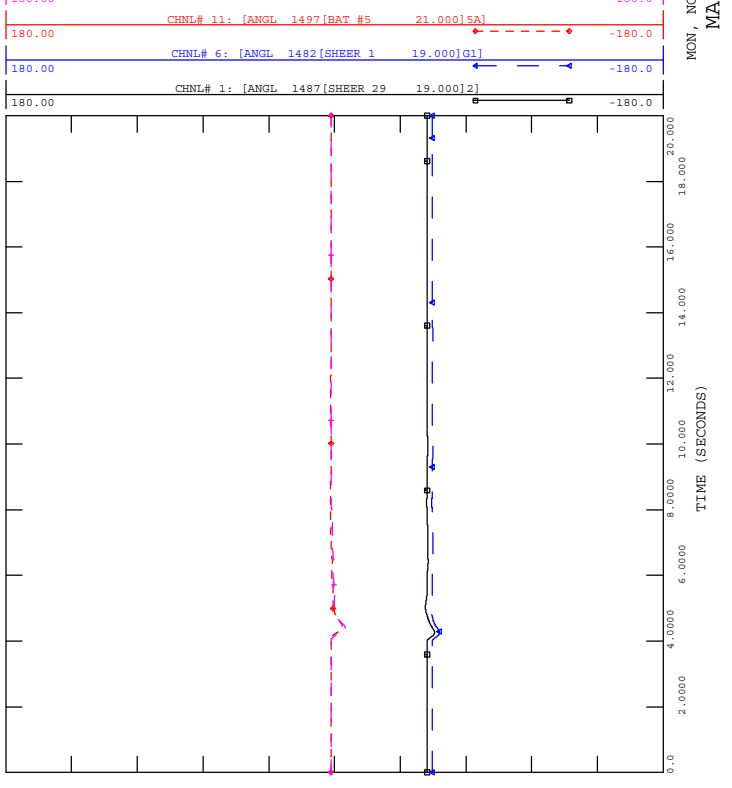


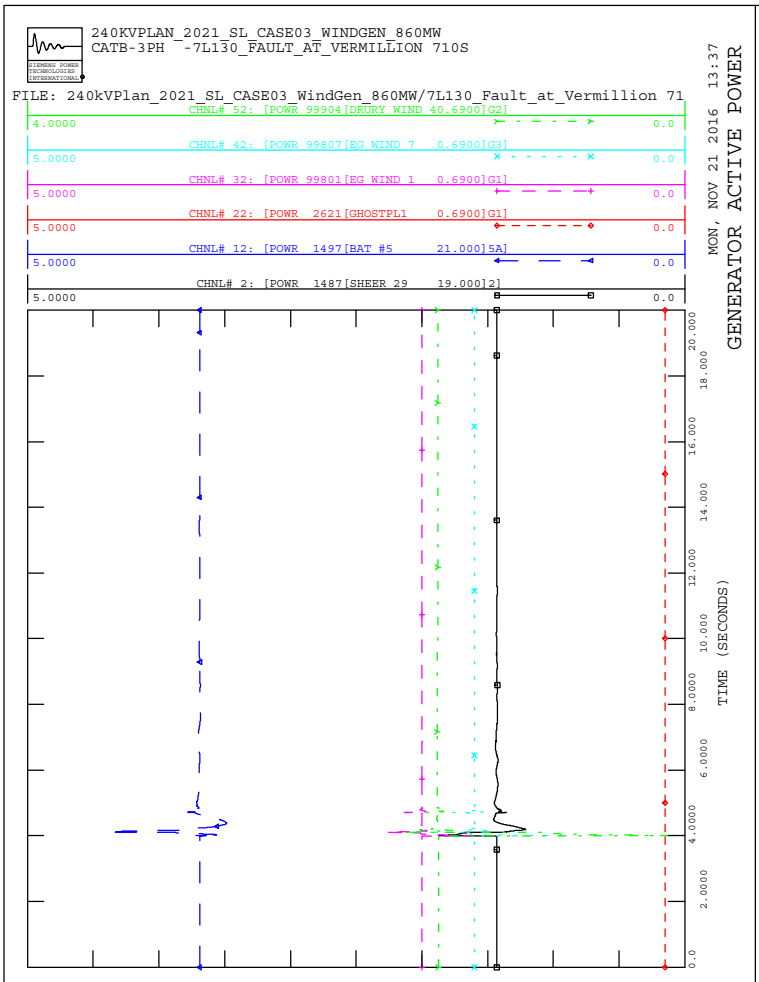
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71
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CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
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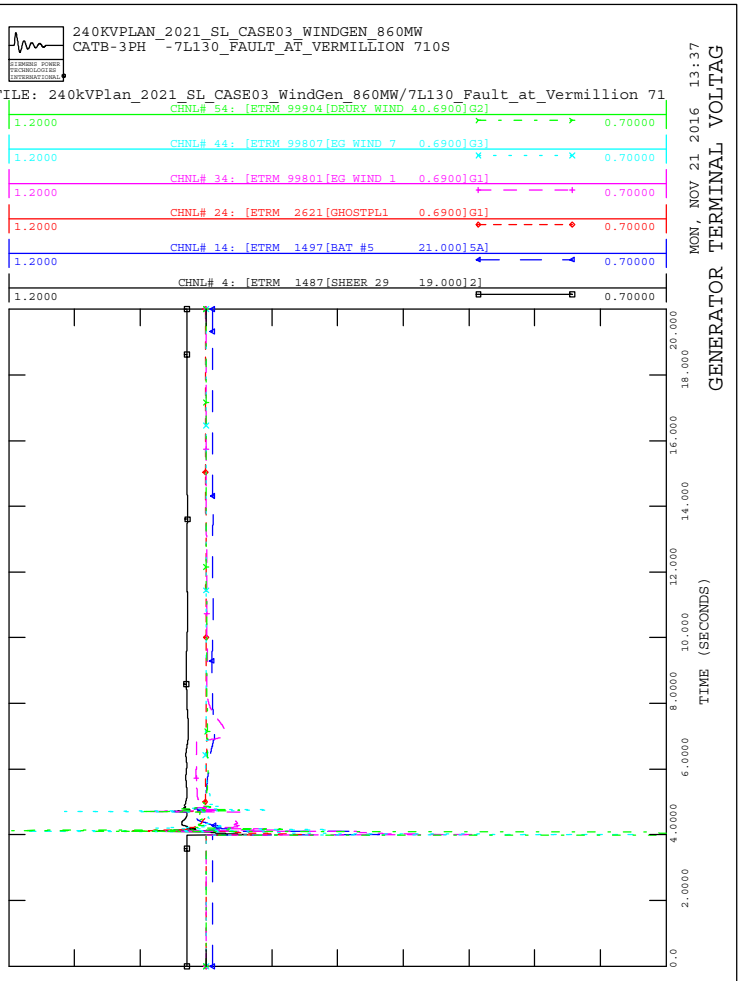
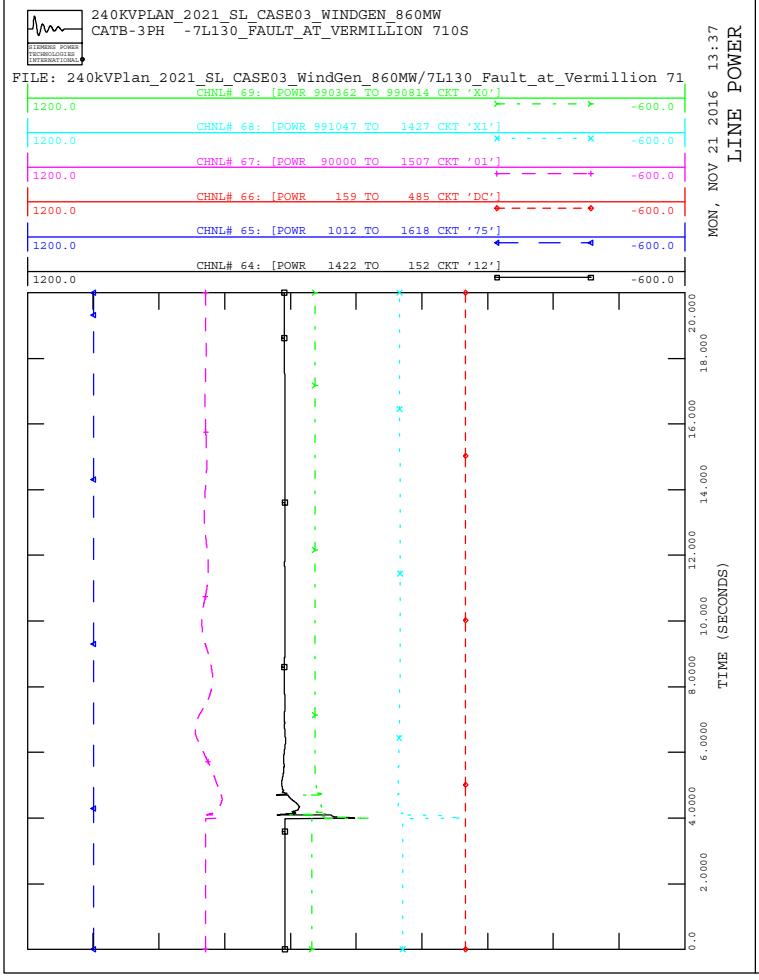
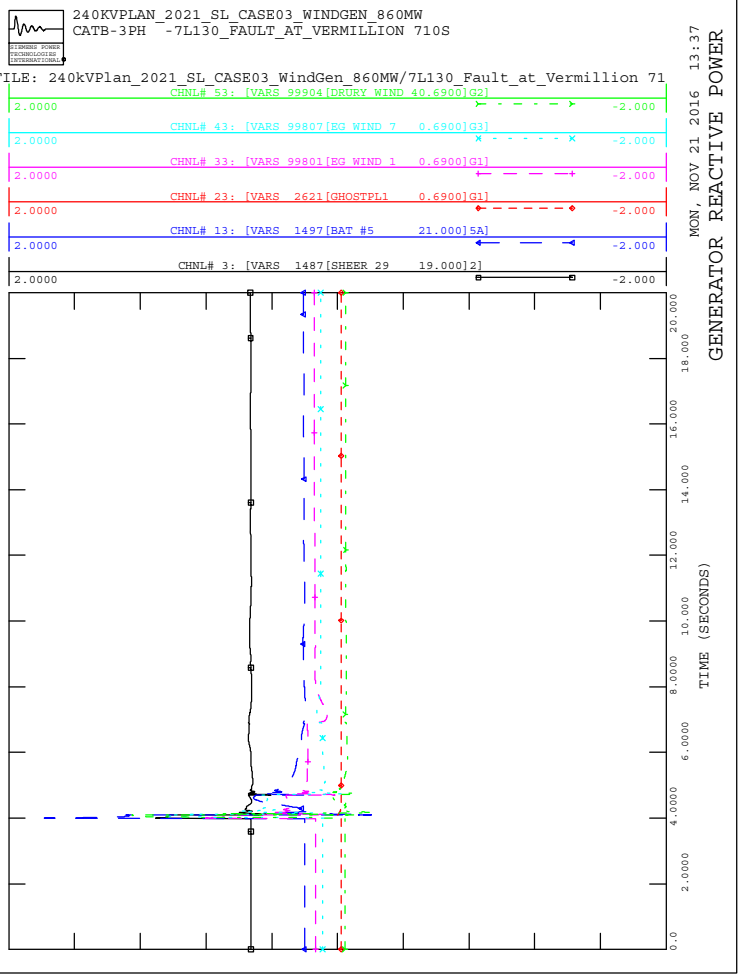
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)

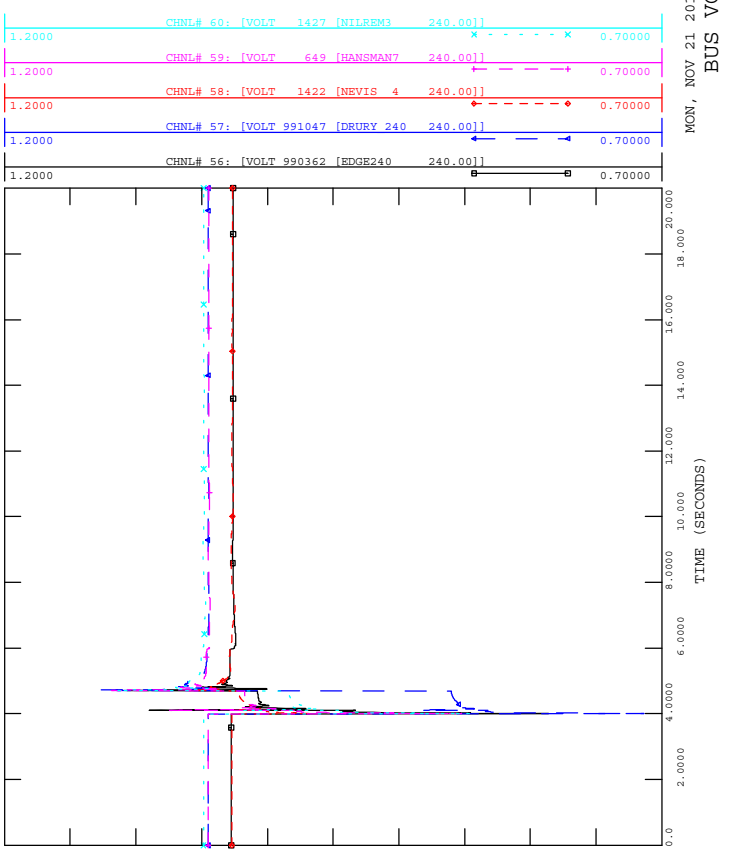

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S

MON, NOV 21 2016 13:37

BUS VOLTAGE

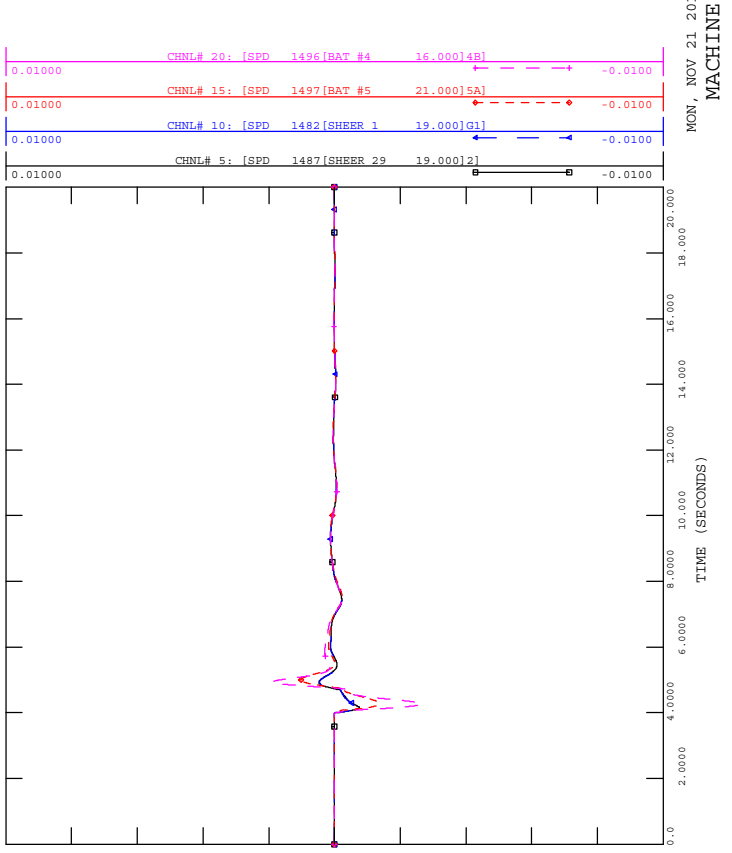


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S

MON, NOV 21 2016 13:37

MACHINE SPEED

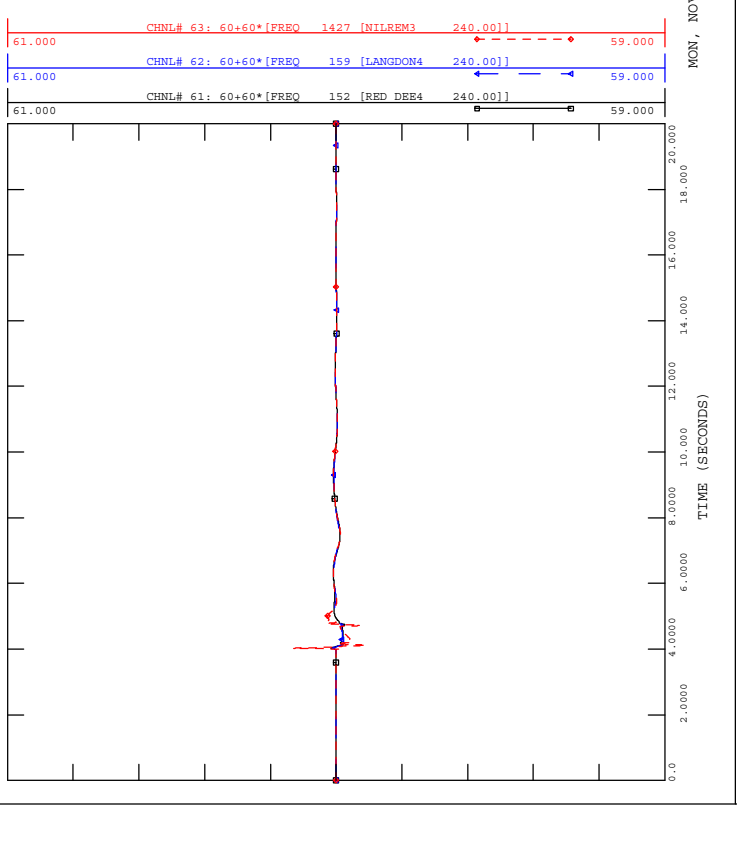


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S

MON, NOV 21 2016 13:37

FREQUENCY

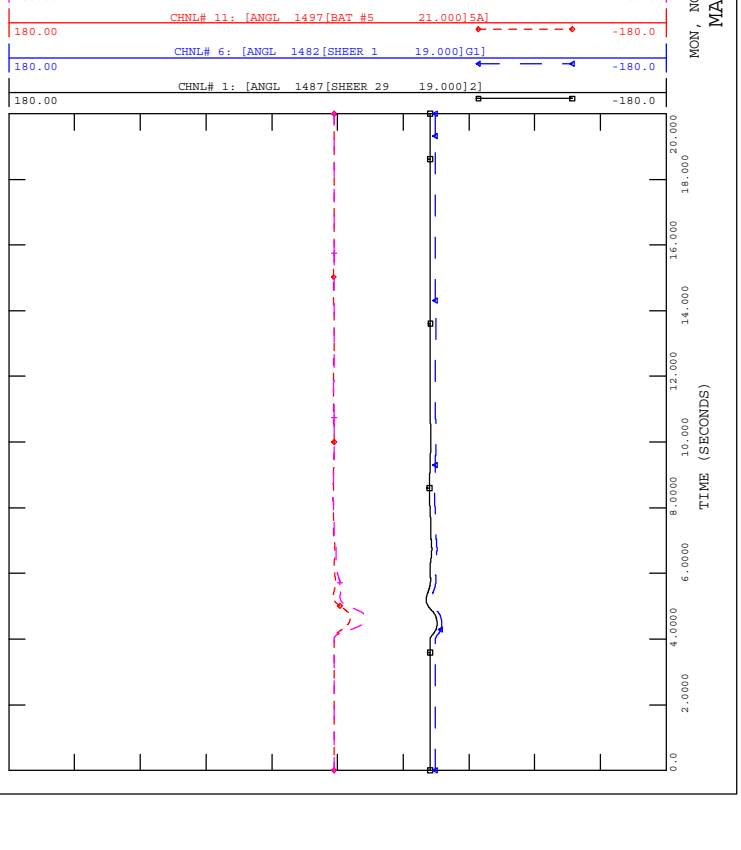


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S

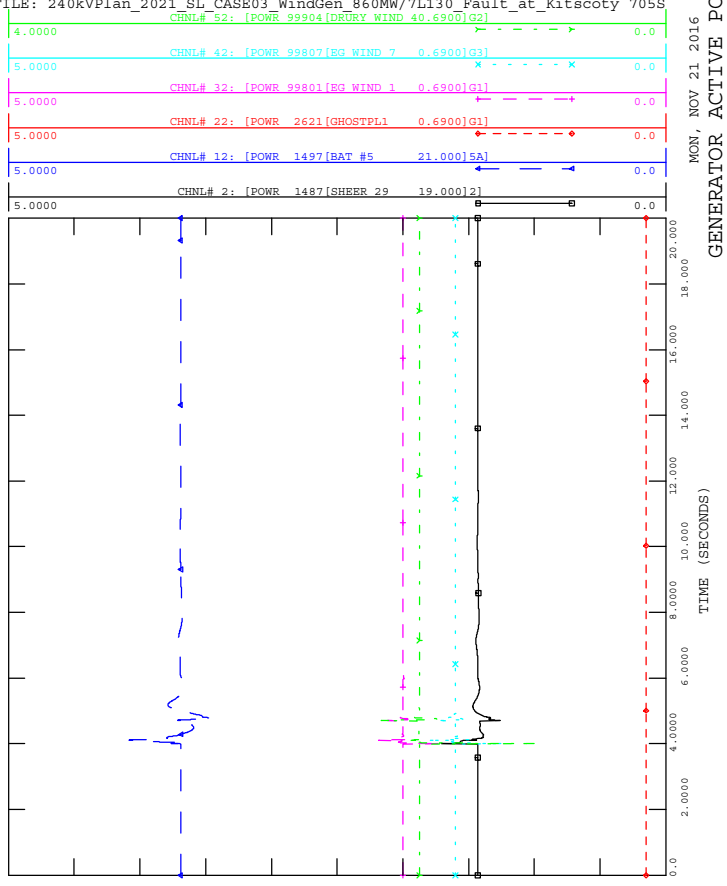
MON, NOV 21 2016 13:37

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

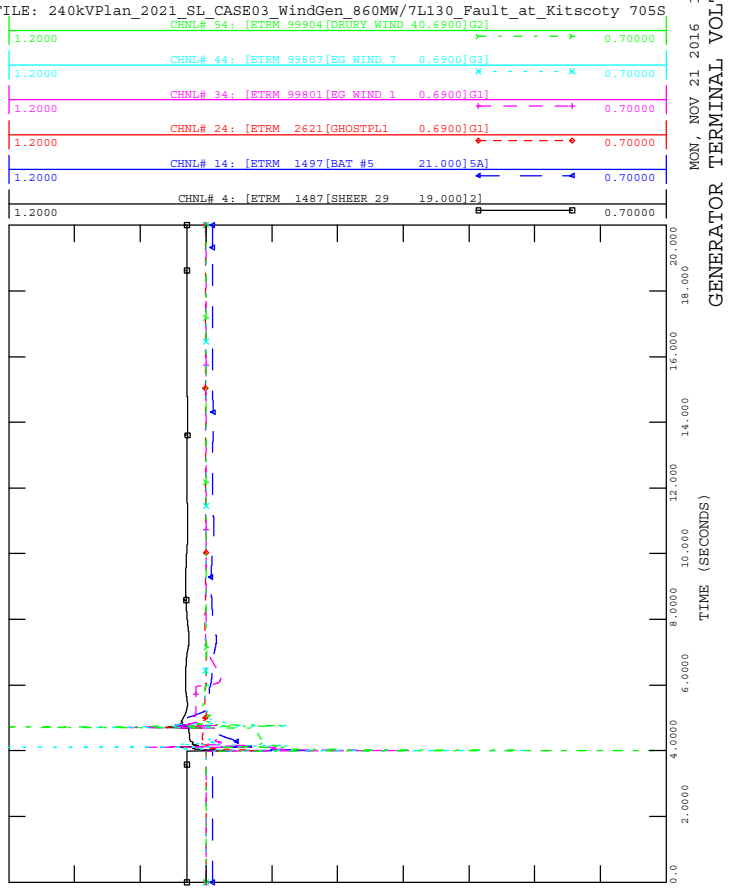
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S



GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

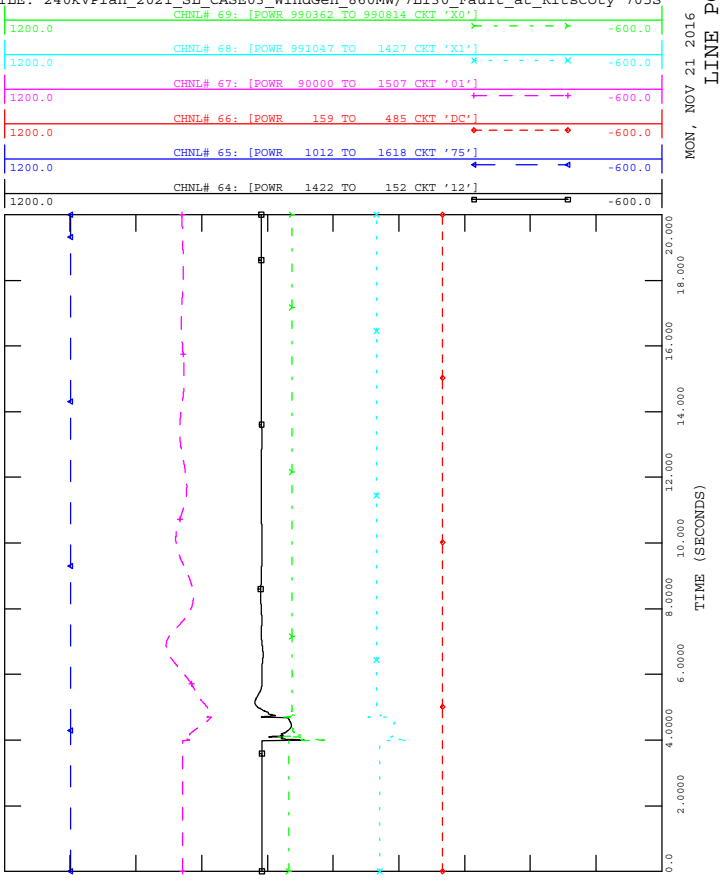
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

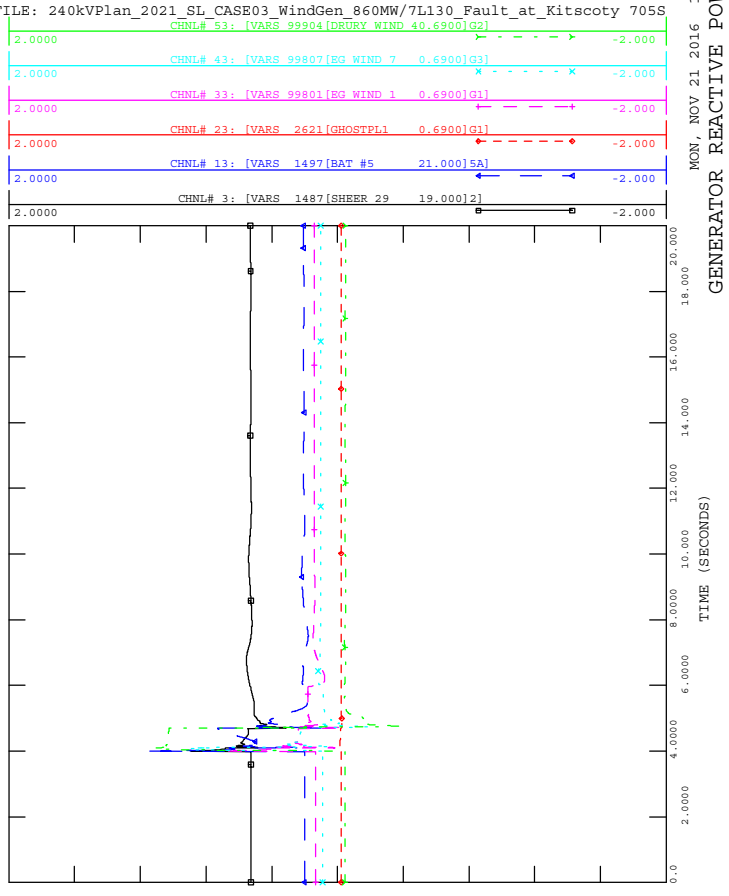
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S



LINE POWER
MON, NOV 21 2016 13:37

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S



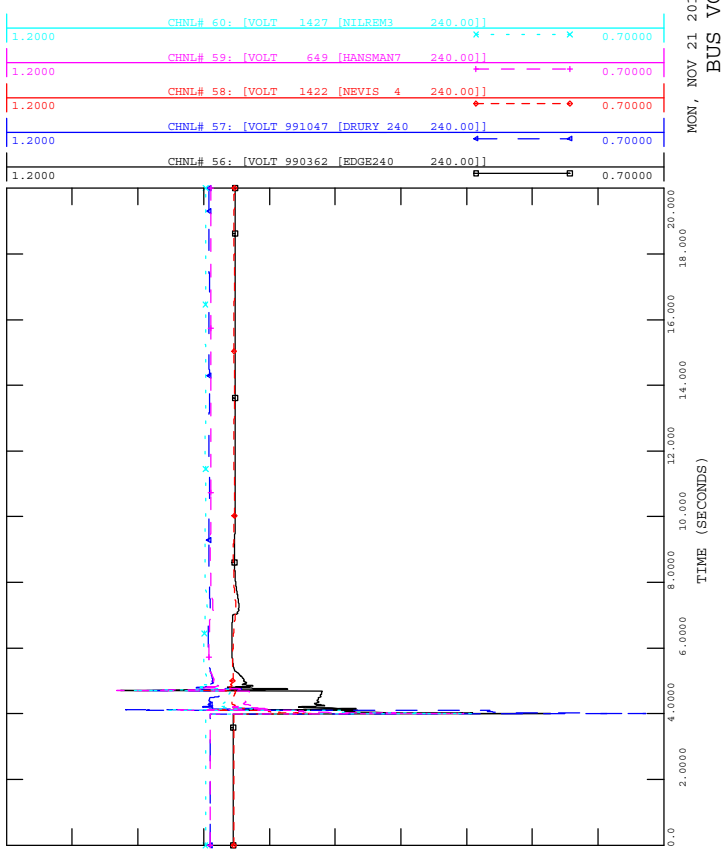
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

MON, NOV 21 2016 13:37

BUS VOLTAGE

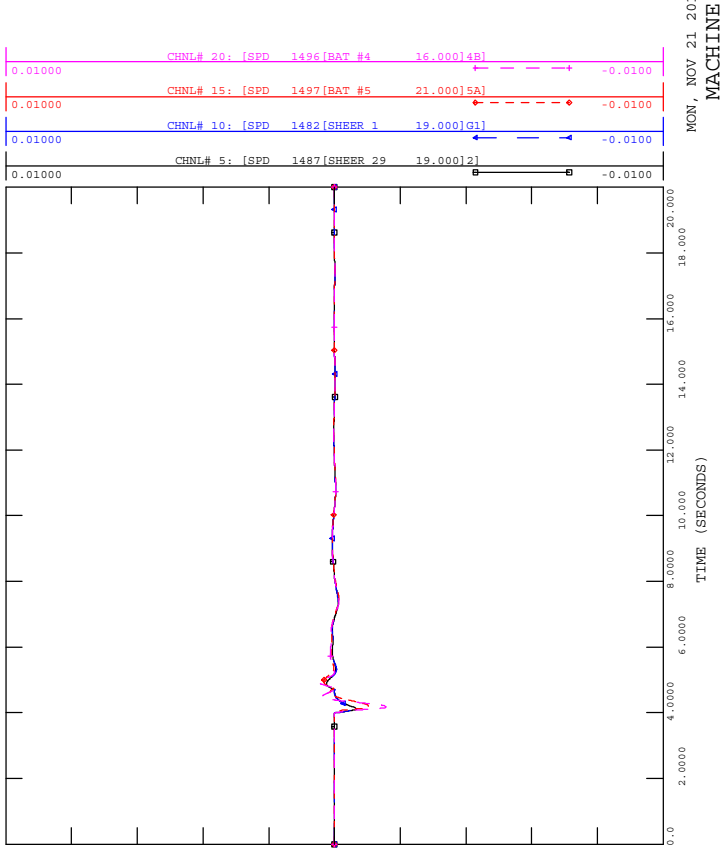


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

MON, NOV 21 2016 13:37

MACHINE SPEED

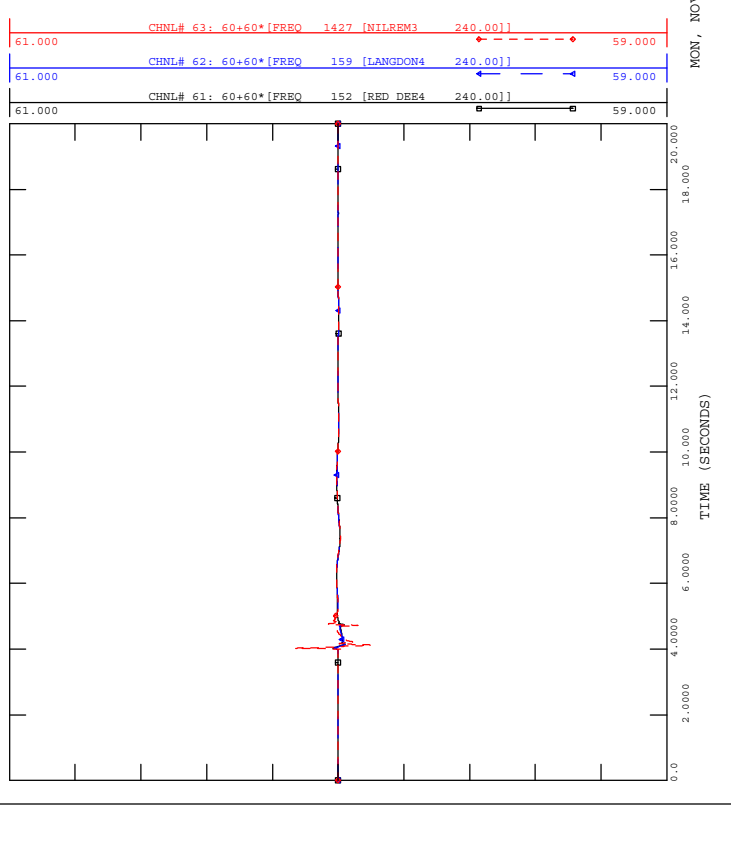


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

MON, NOV 21 2016 13:37

FREQUENCY

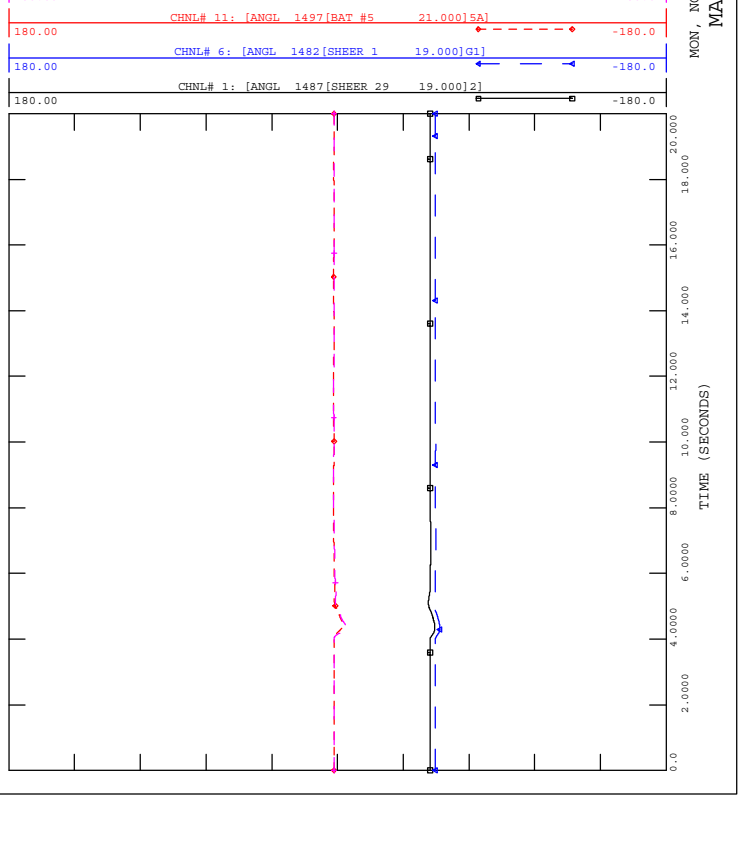


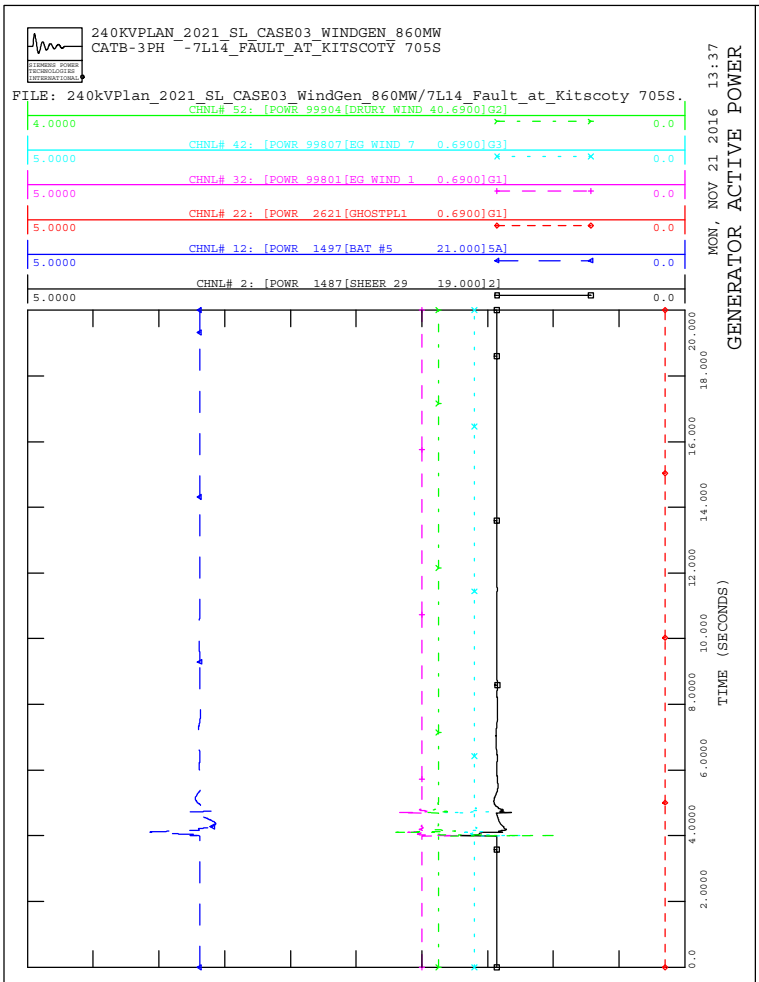
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

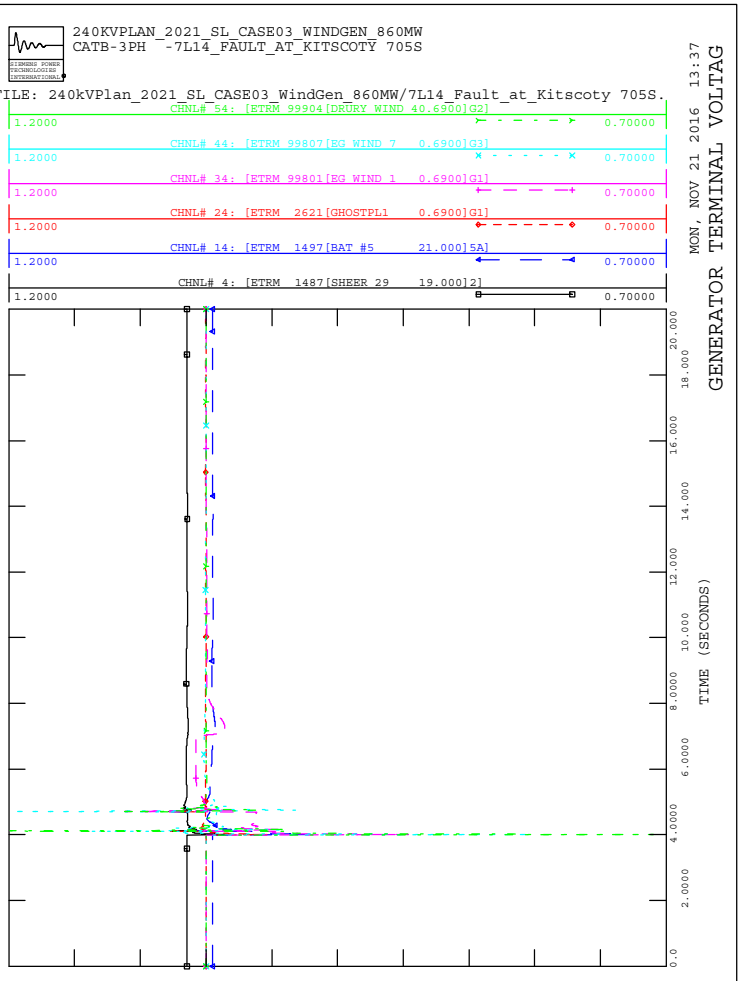
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

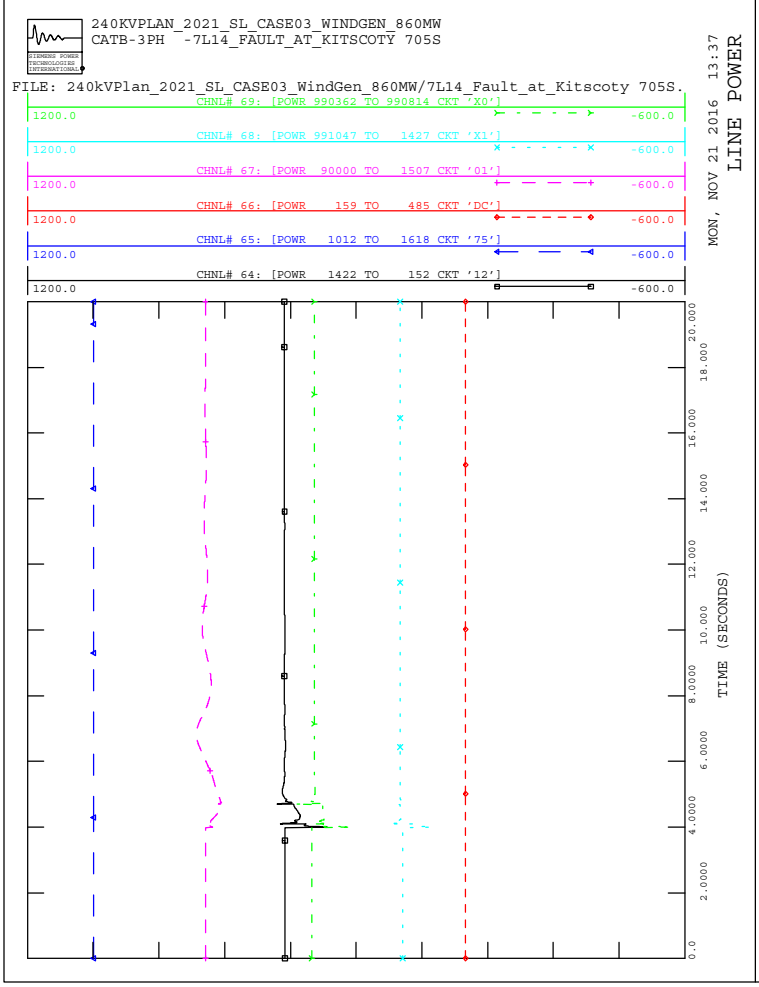
MON, NOV 21 2016 13:37

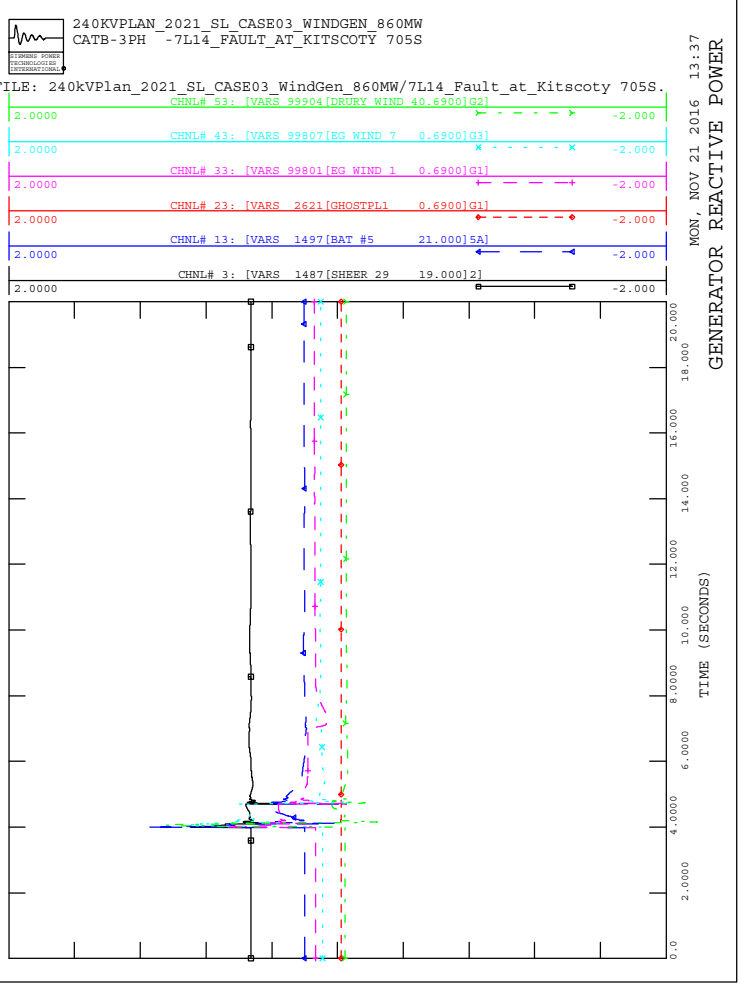
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:37
LINE POWER

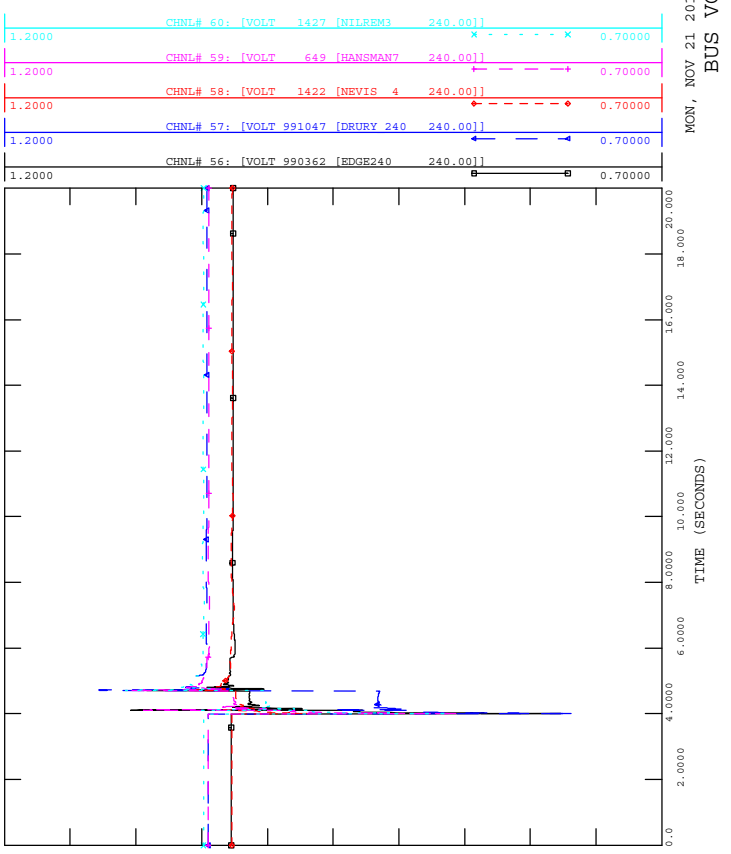

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:37

BUS VOLTAGE

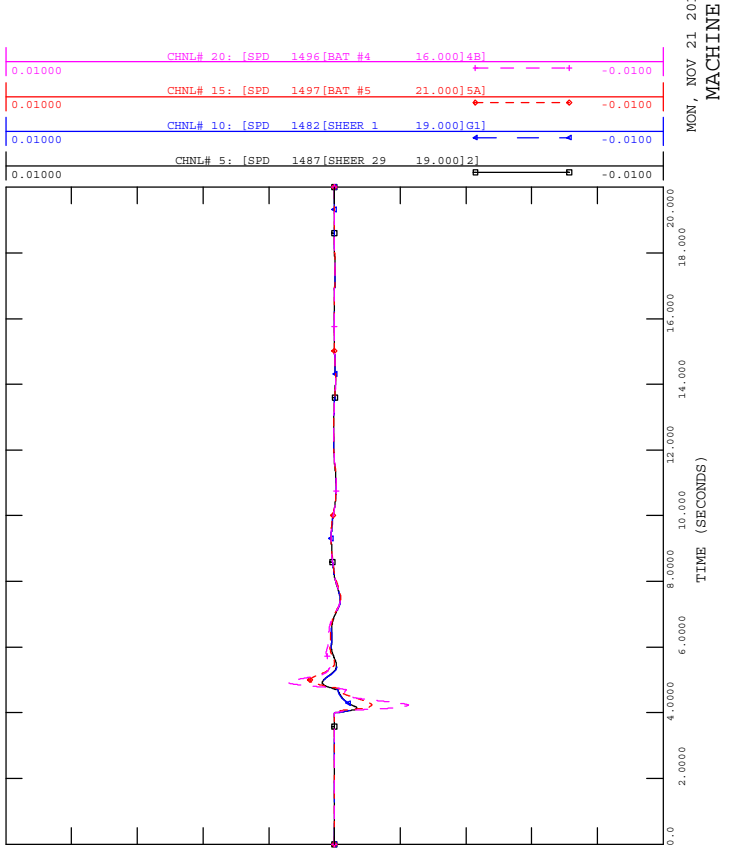


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:37

MACHINE SPEED

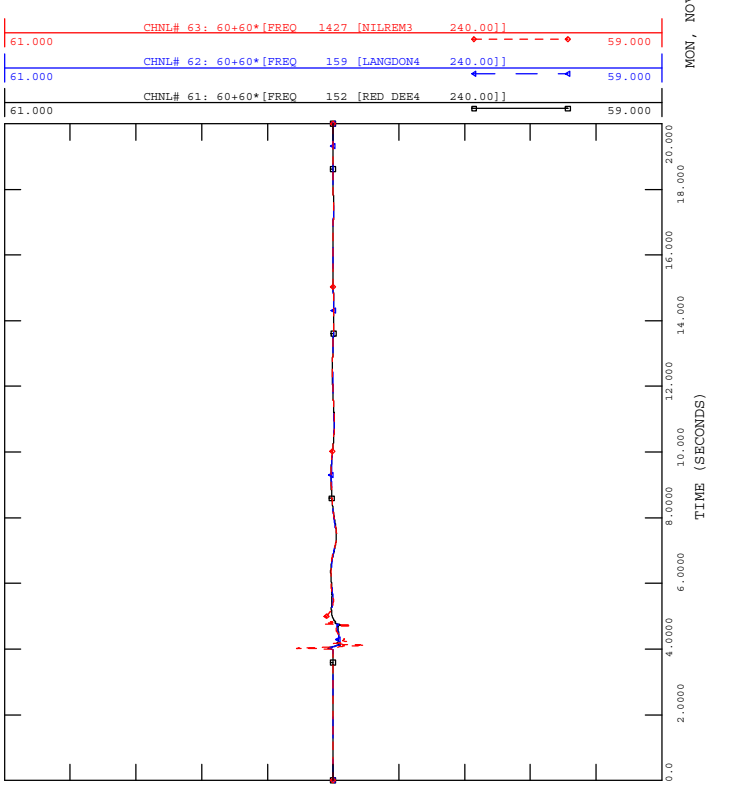


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:37

FREQUENCY

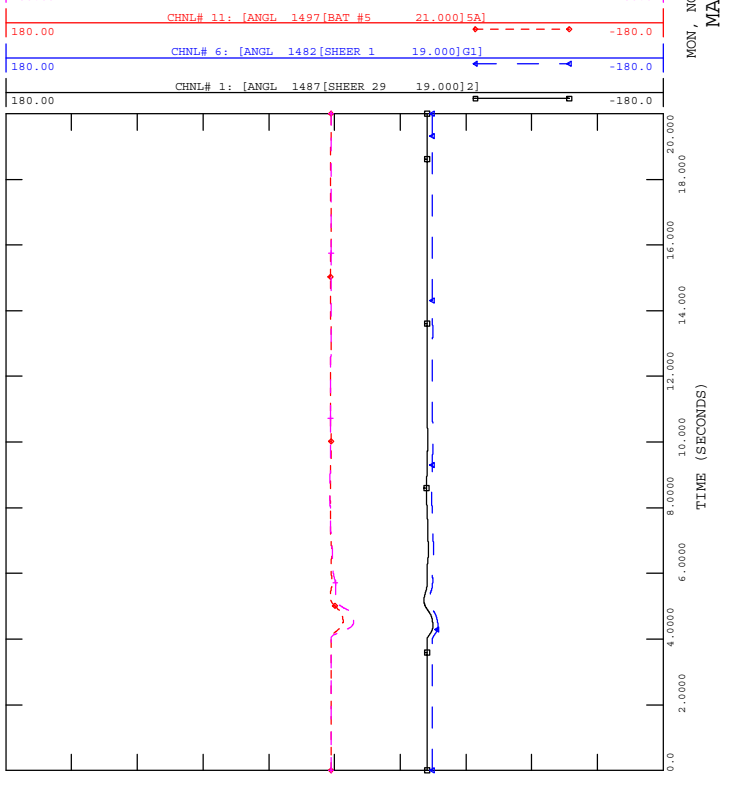


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out

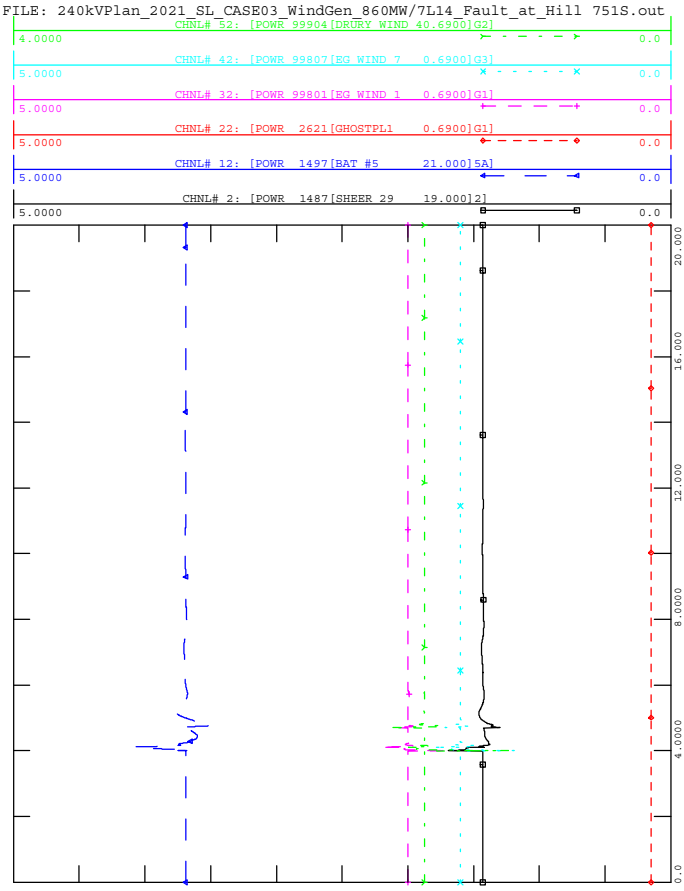
MON, NOV 21 2016 13:37

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

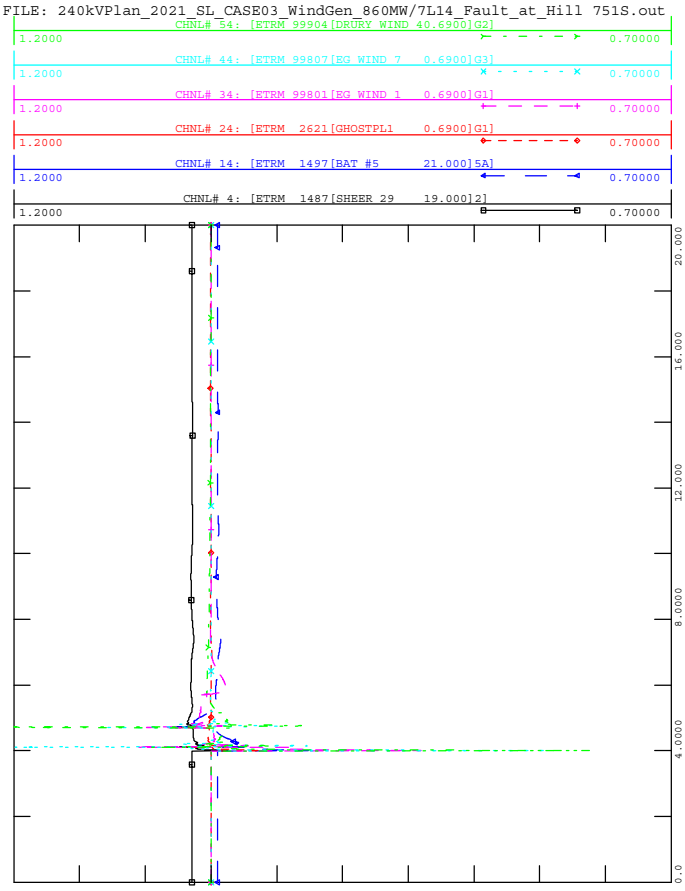
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out



MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

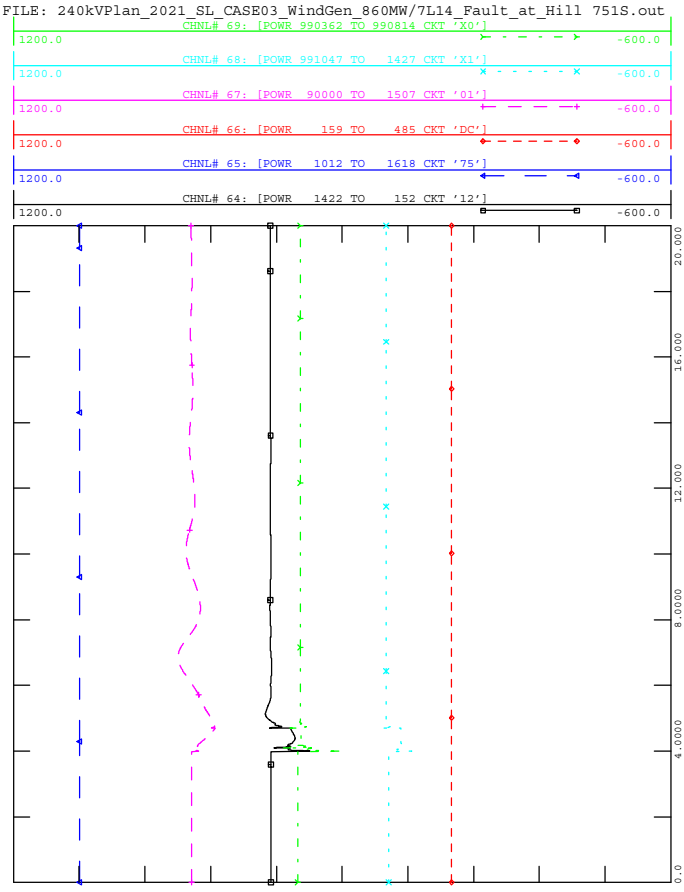
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out



MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

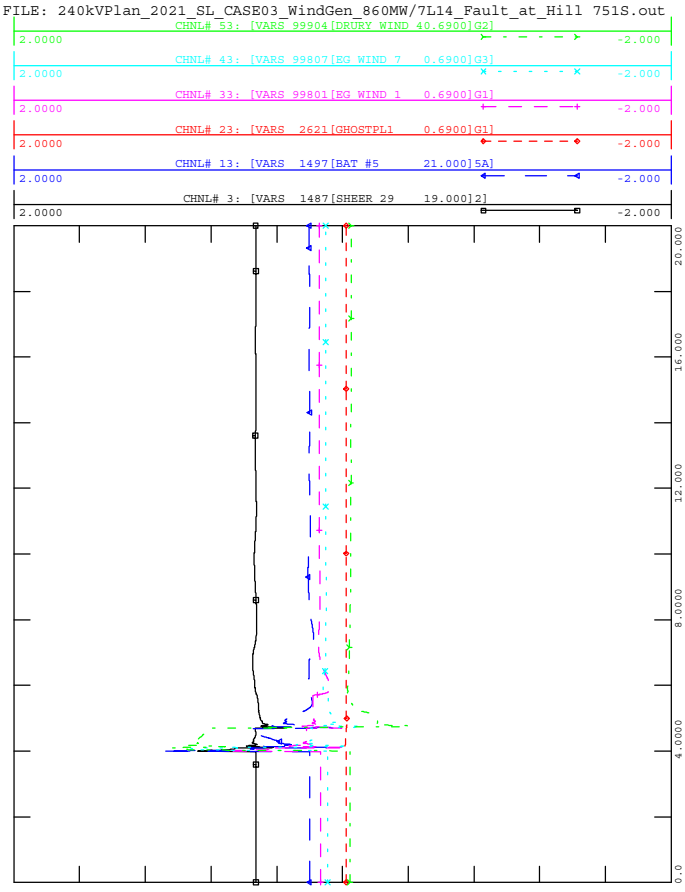
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out



MON, NOV 21 2016 13:37
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out



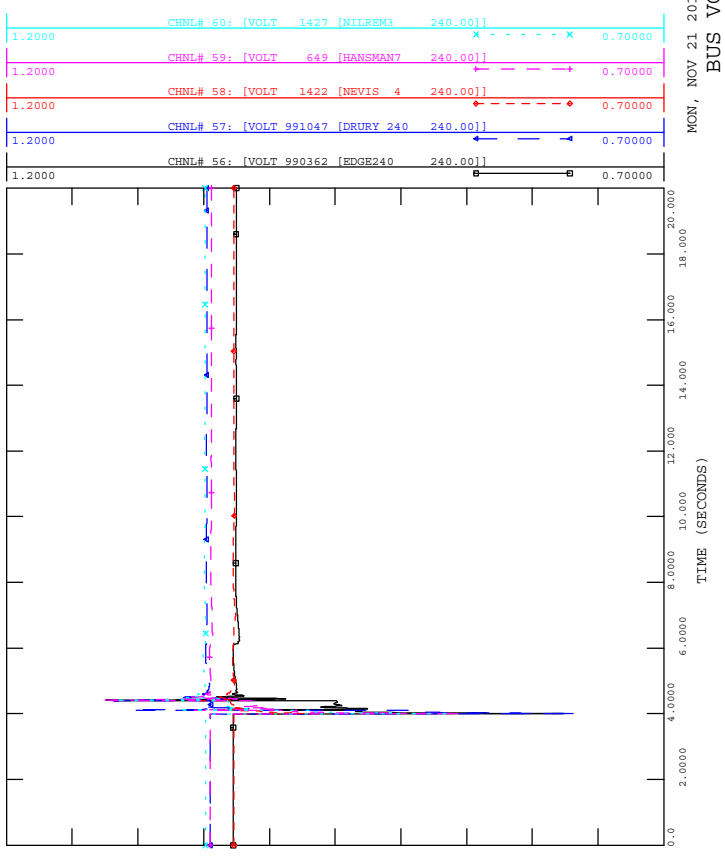
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:37

BUS VOLTAGE

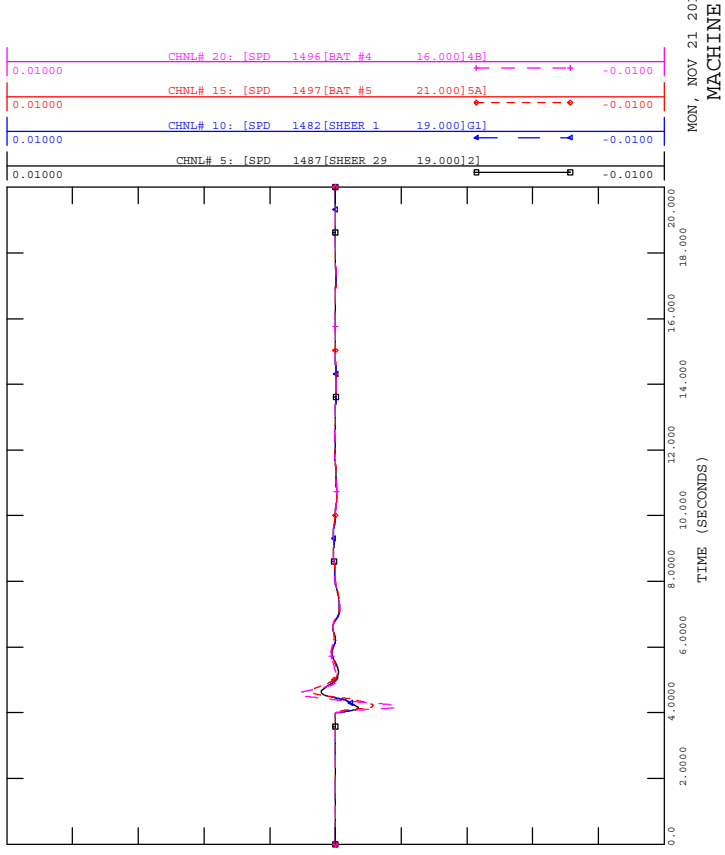


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:37

MACHINE SPEED

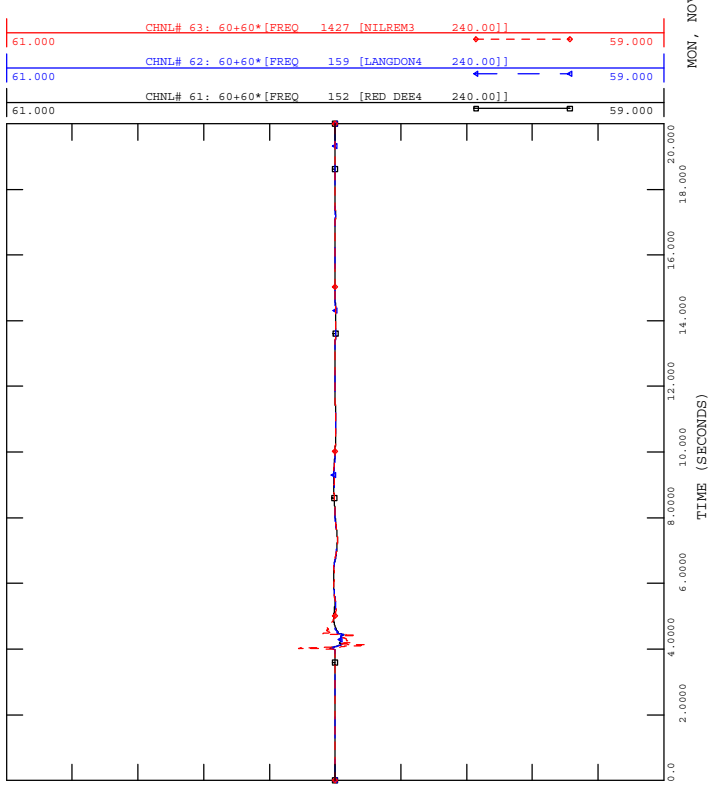


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:37

FREQUENCY

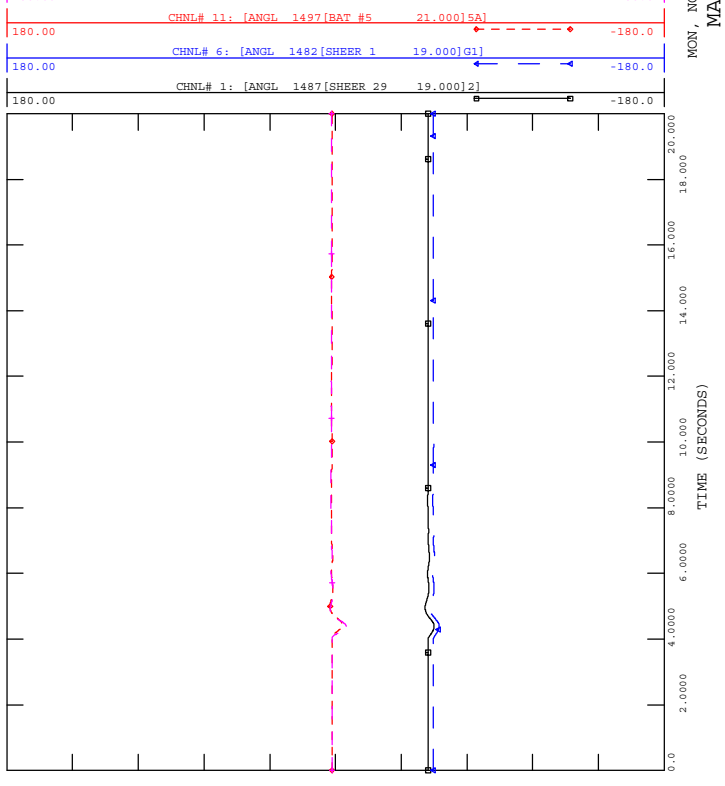


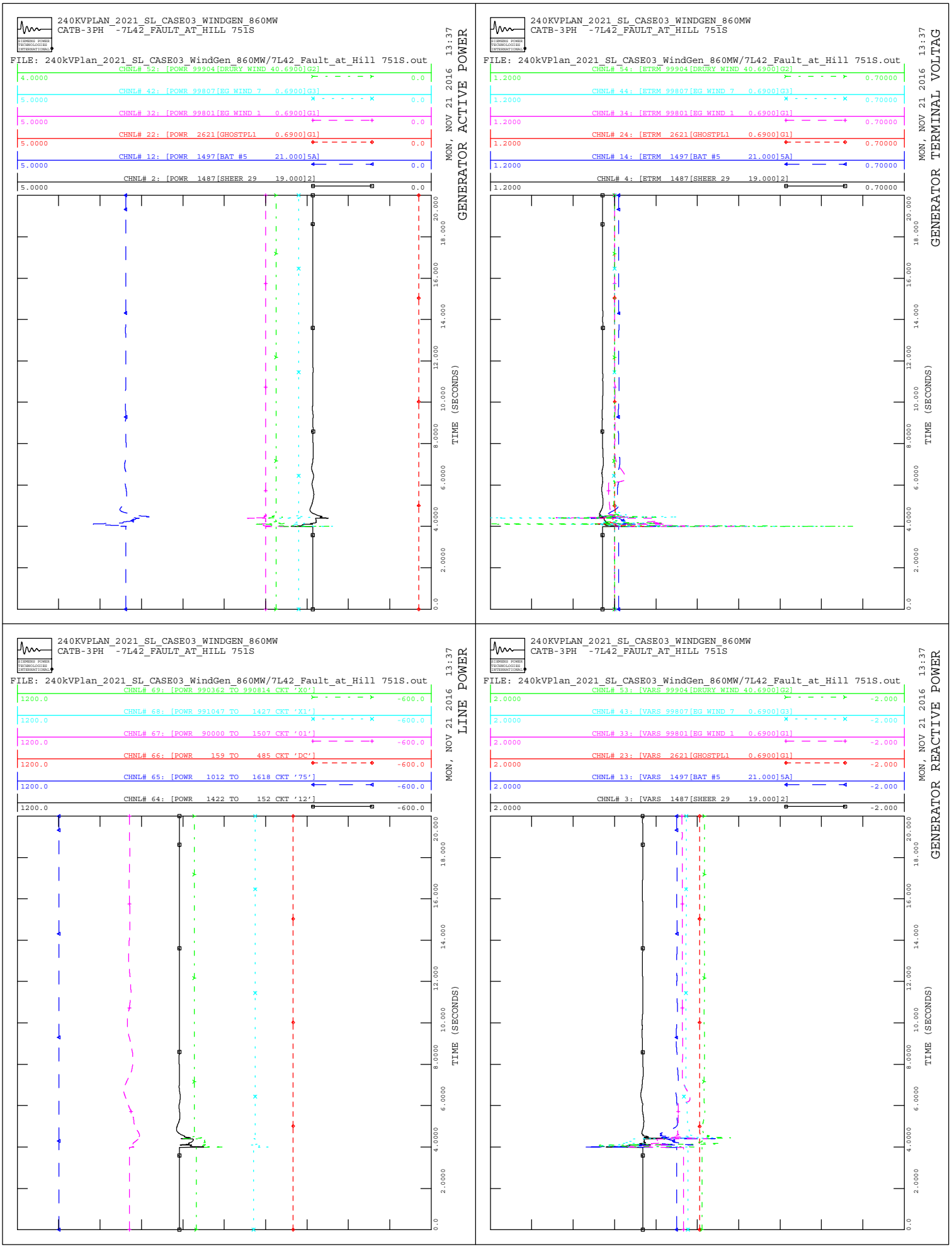
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:37

MACHINE ANGEL



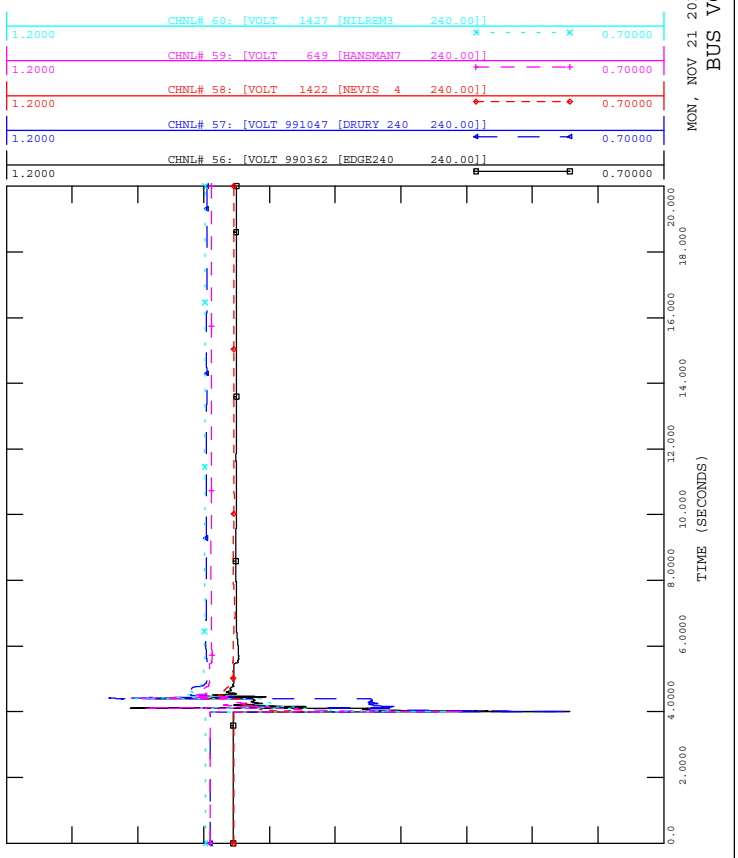

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7

MON, NOV 21 2016 13:37

BUS VOLTAGE

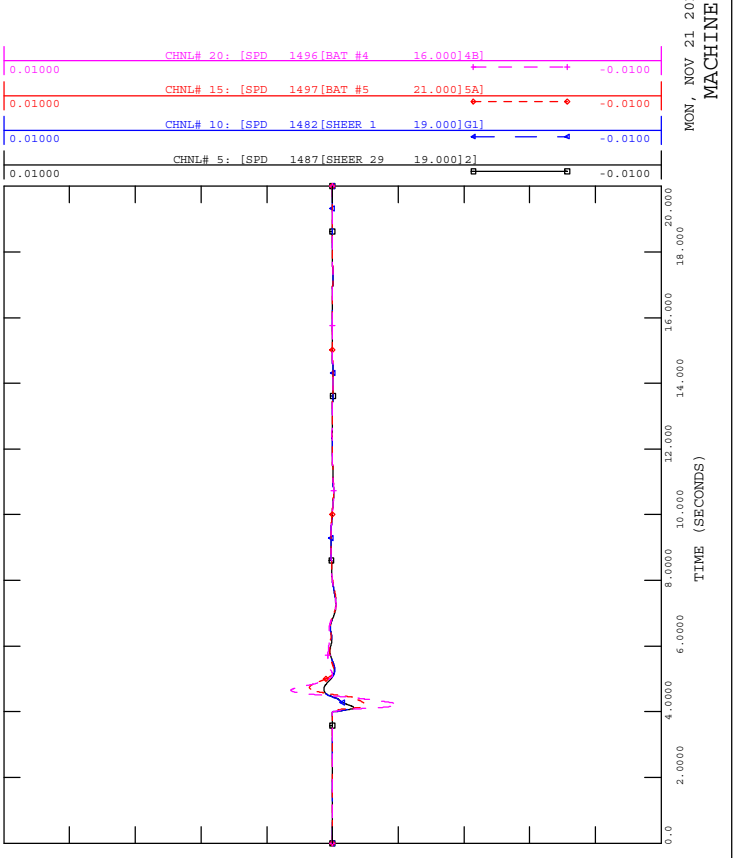


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7

MON, NOV 21 2016 13:37

MACHINE SPEED

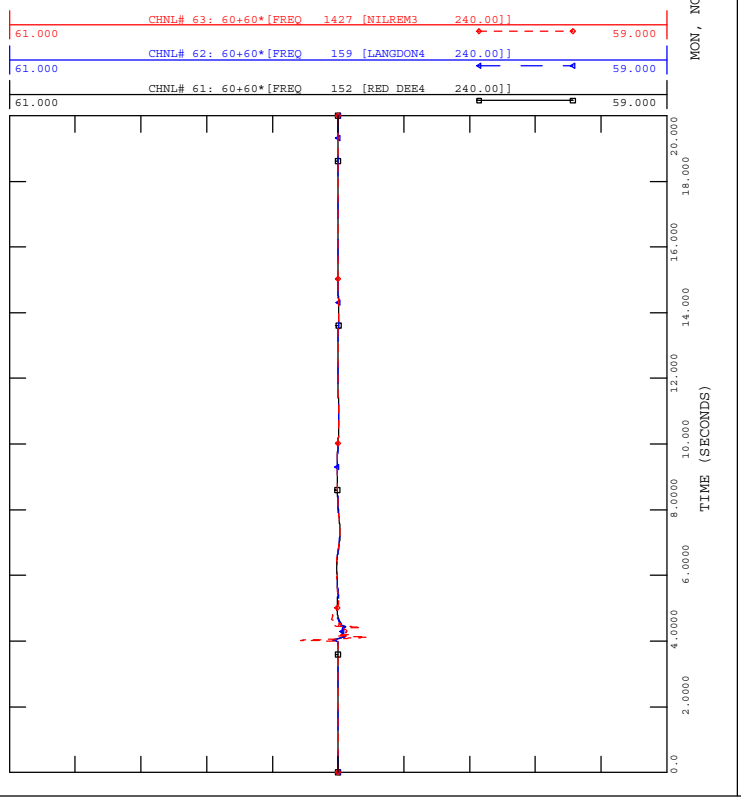


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7

MON, NOV 21 2016 13:37

FREQUENCY

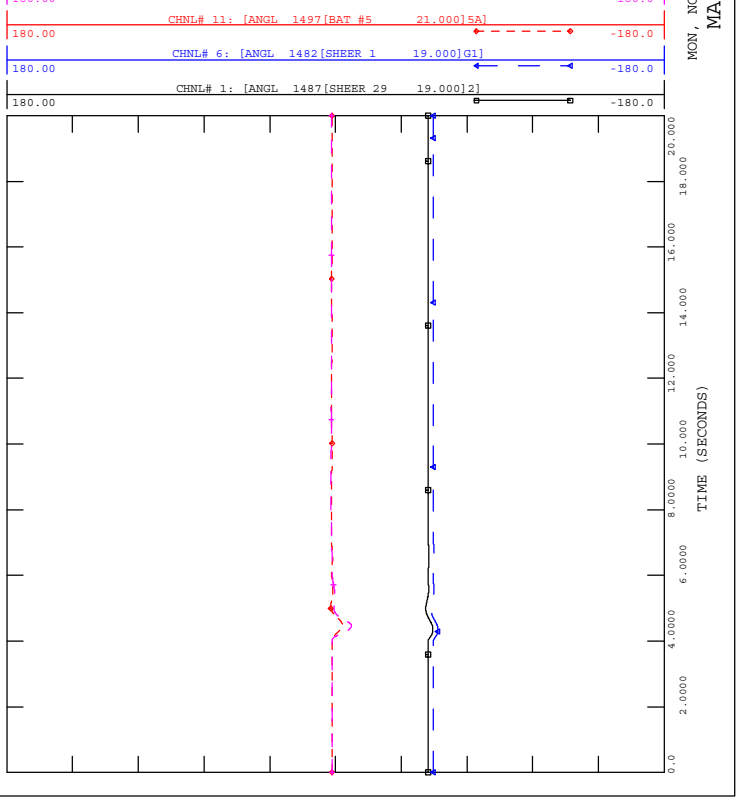


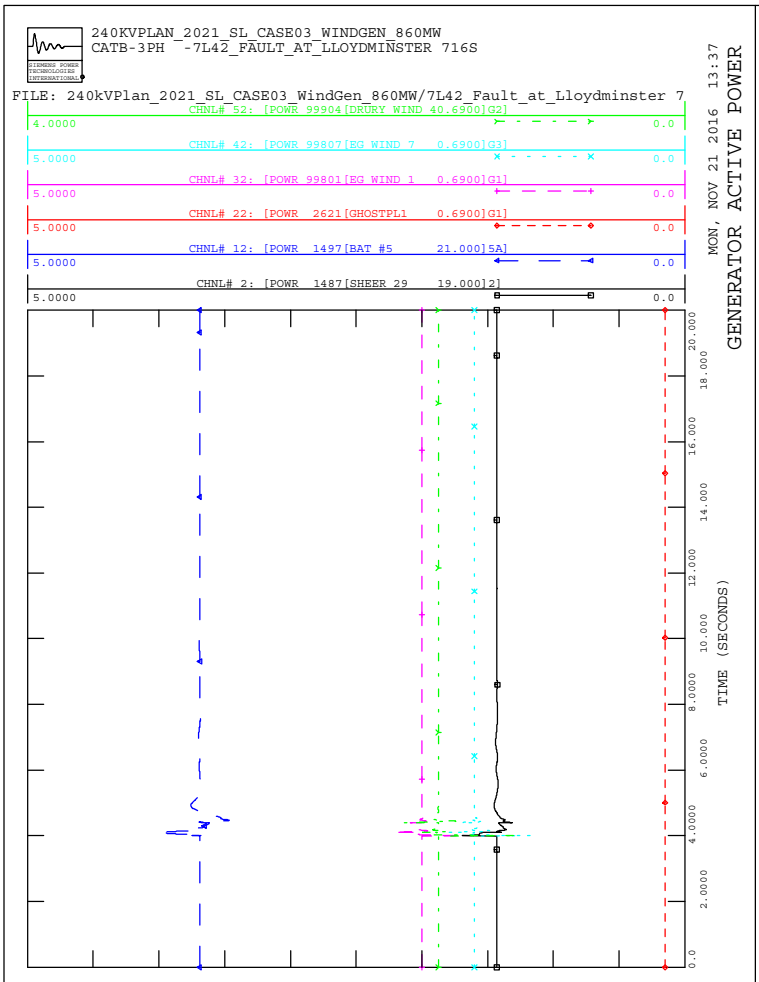
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

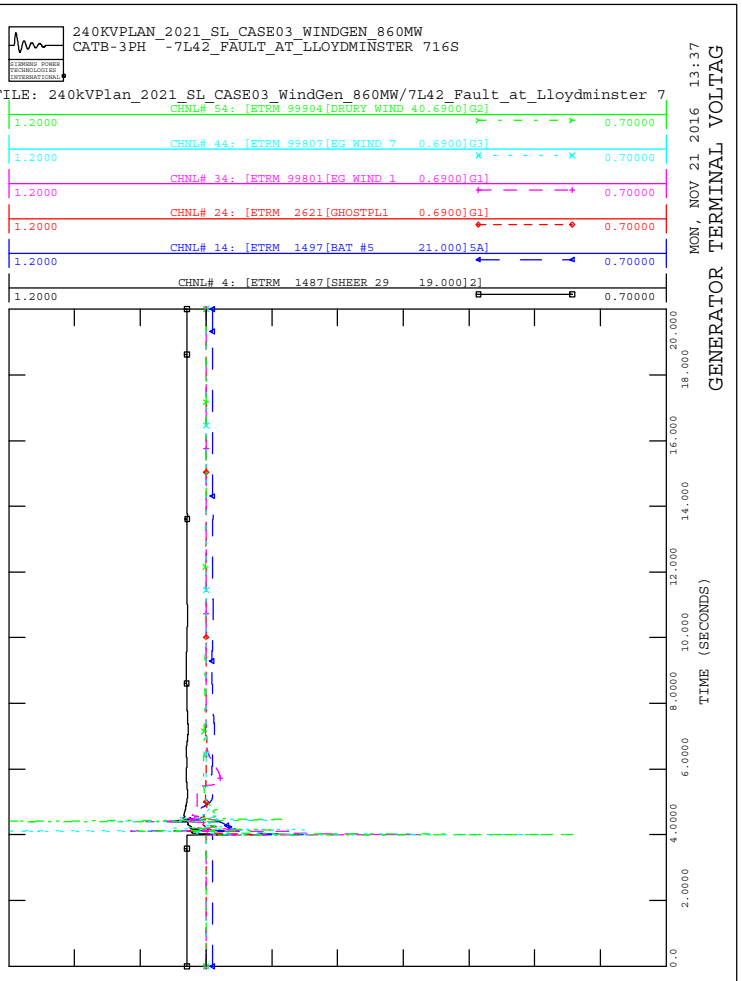
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7

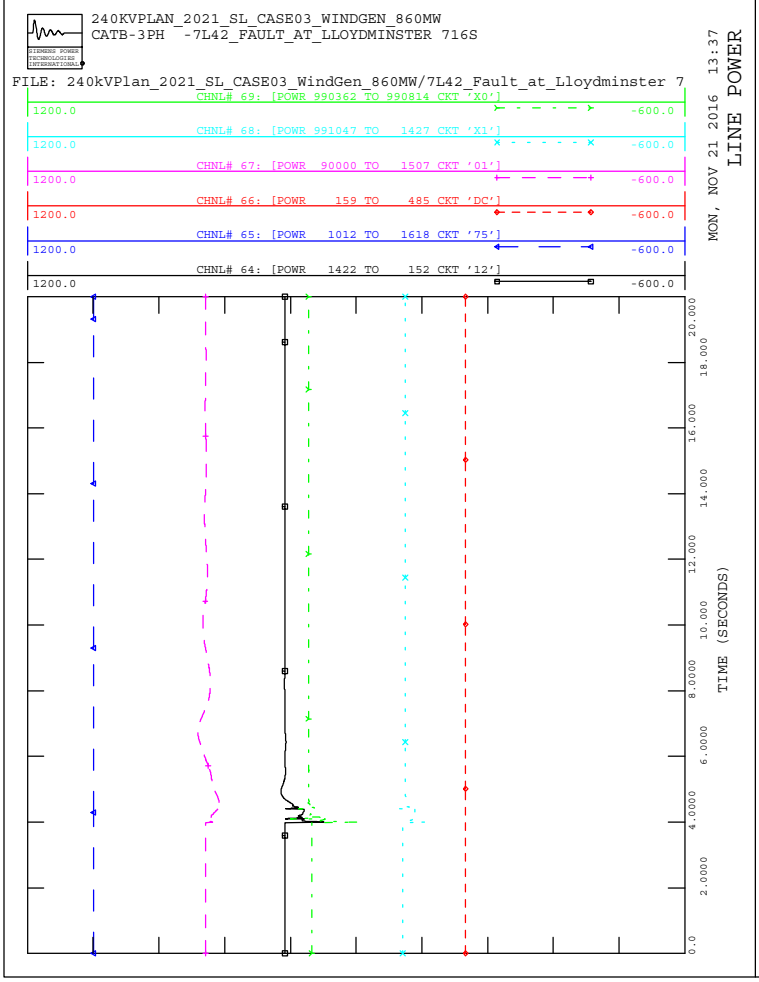
MON, NOV 21 2016 13:37

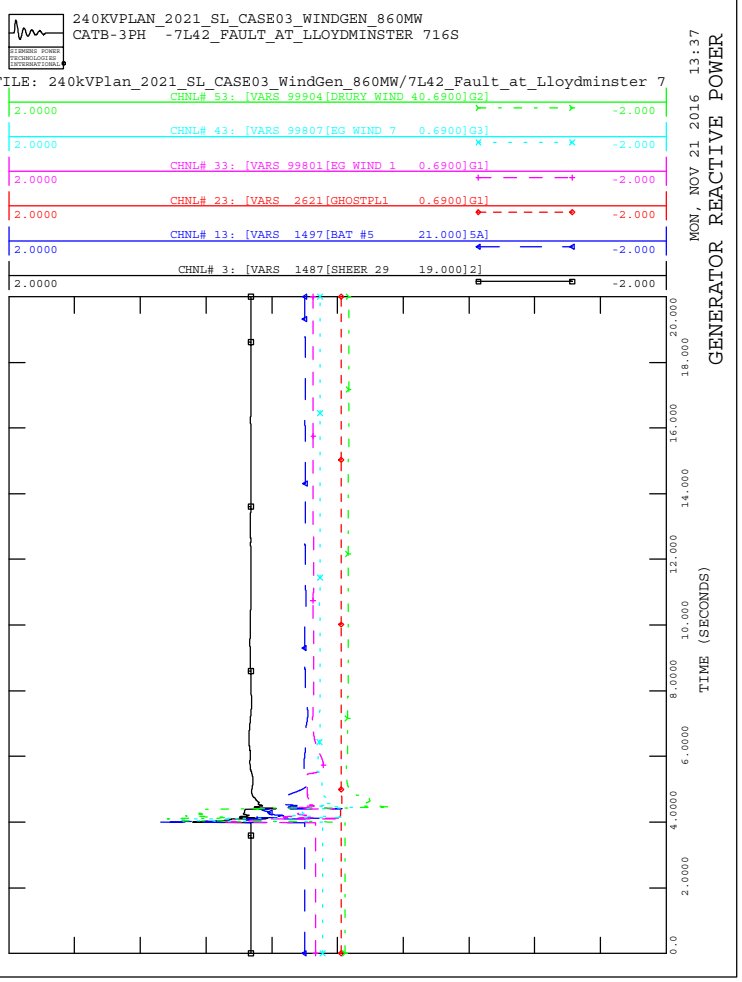
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:37
LINE POWER

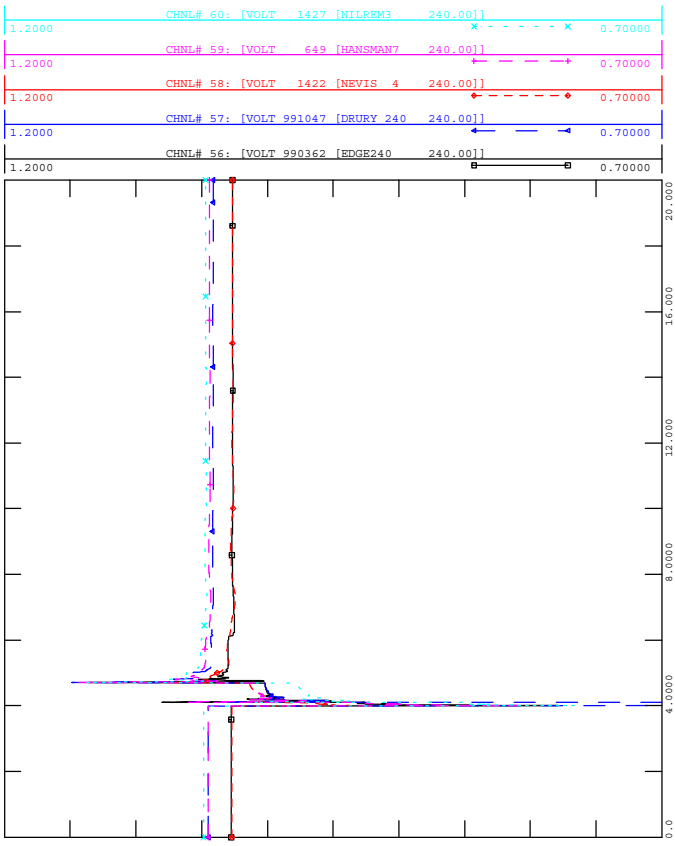

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 13:37

BUS VOLTAGE

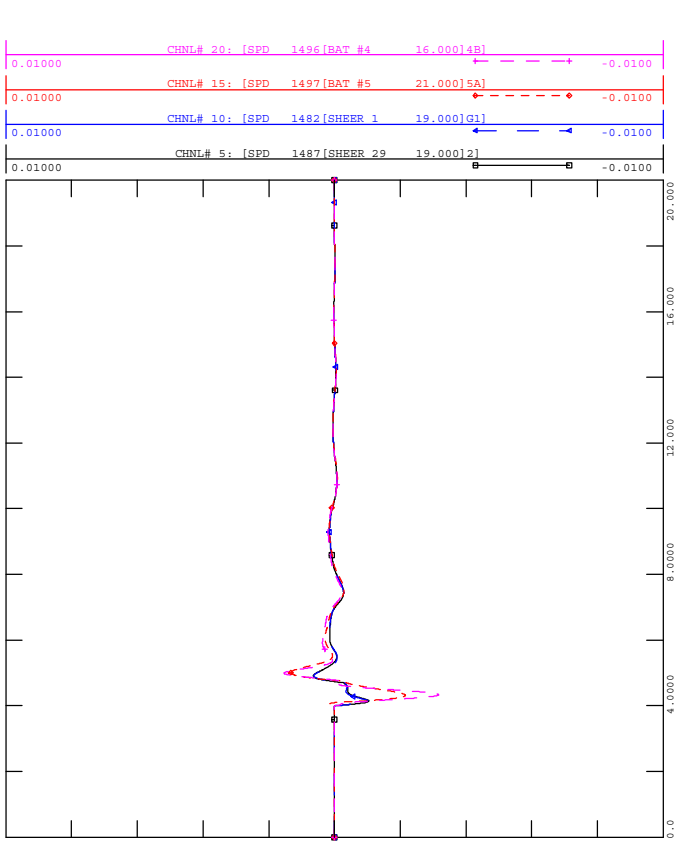


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 13:37

MACHINE SPEED

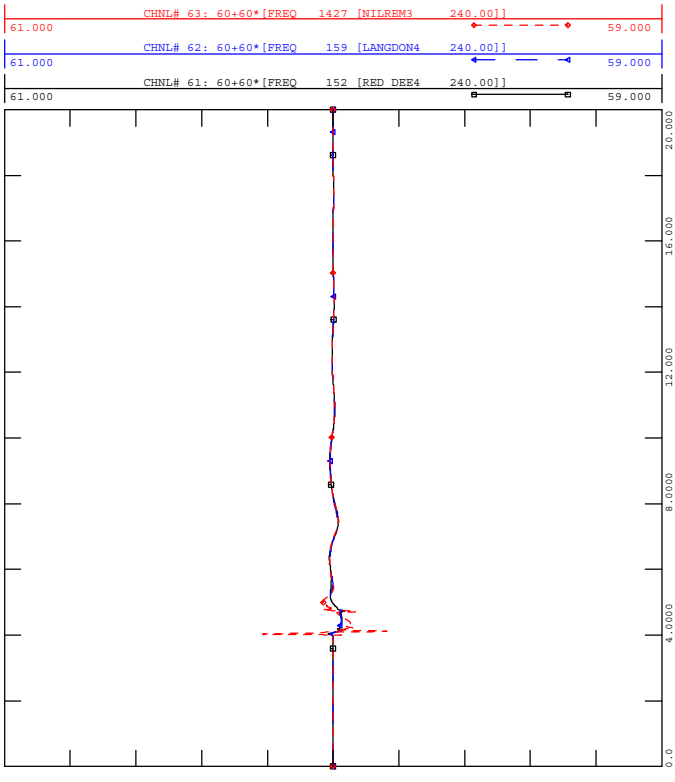


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 13:37

FREQUENCY

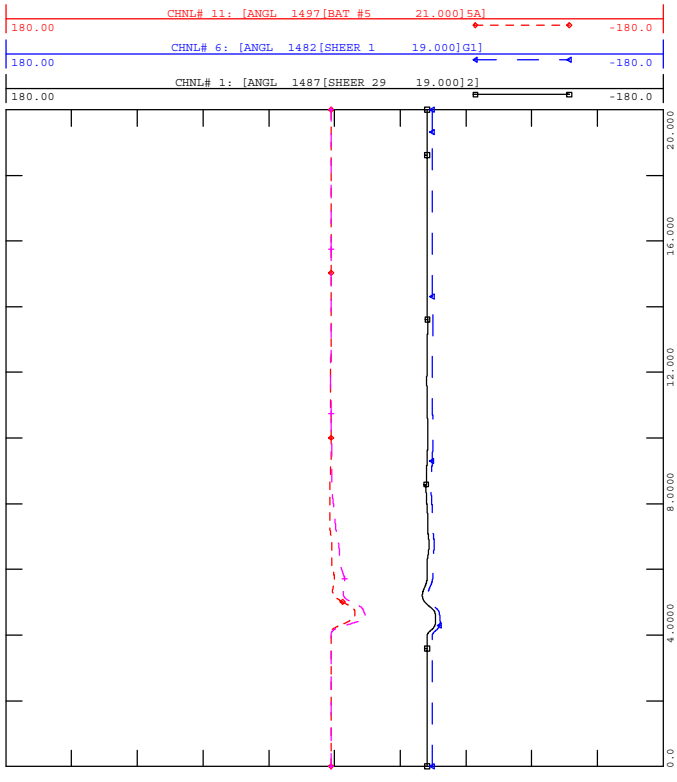


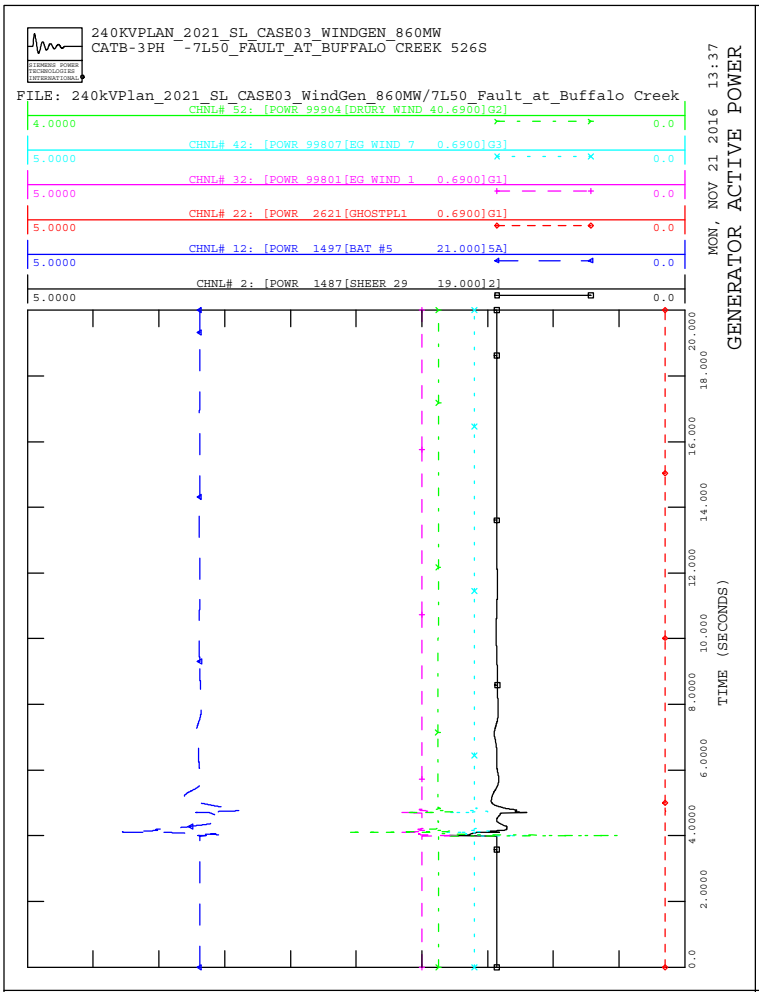
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

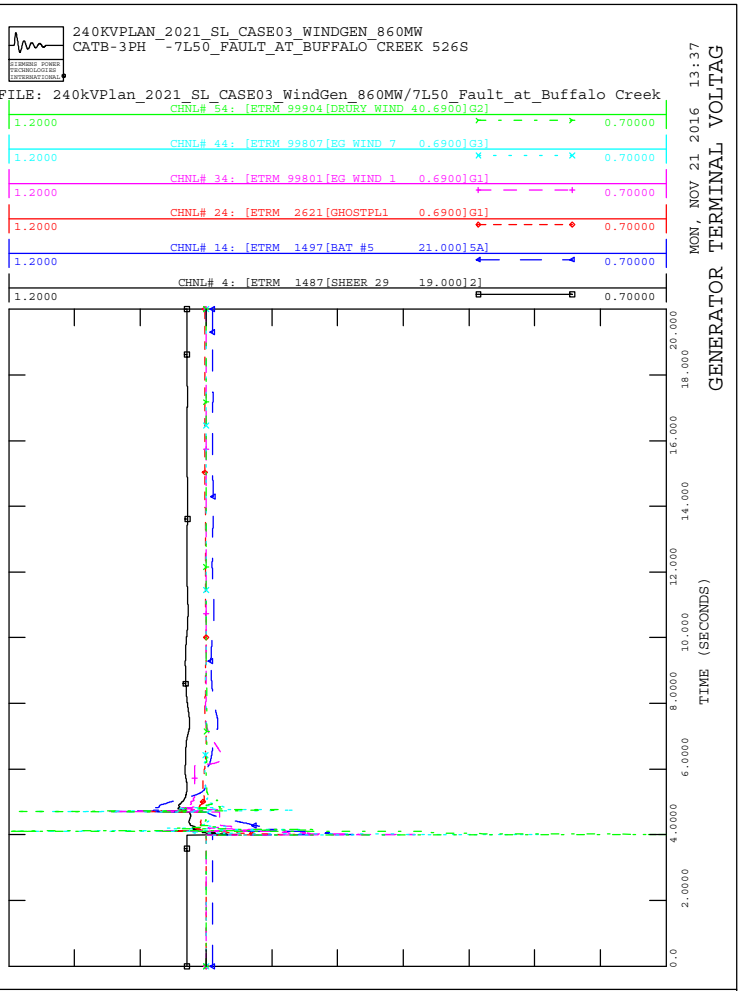
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek

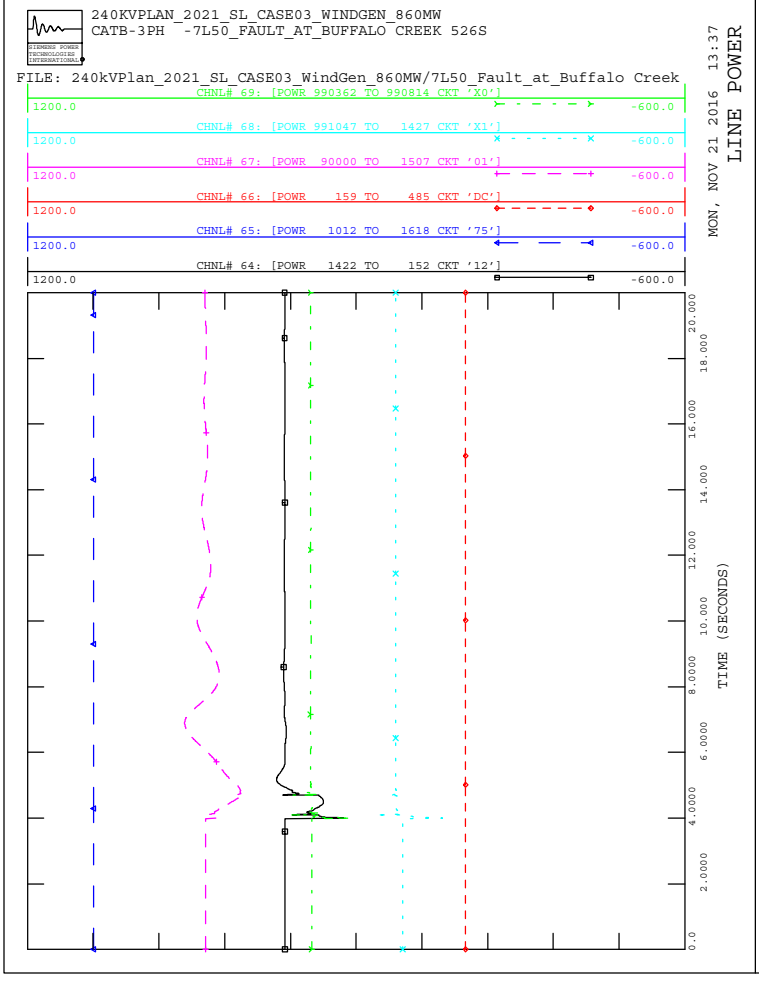
MON, NOV 21 2016 13:37

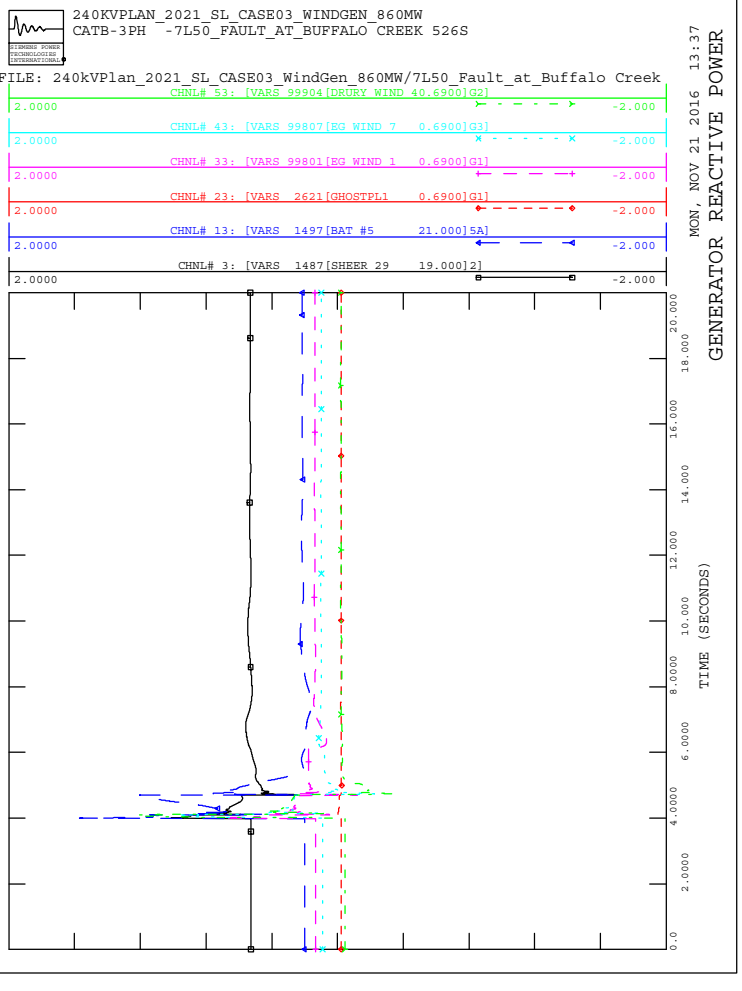
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:37
LINE POWER

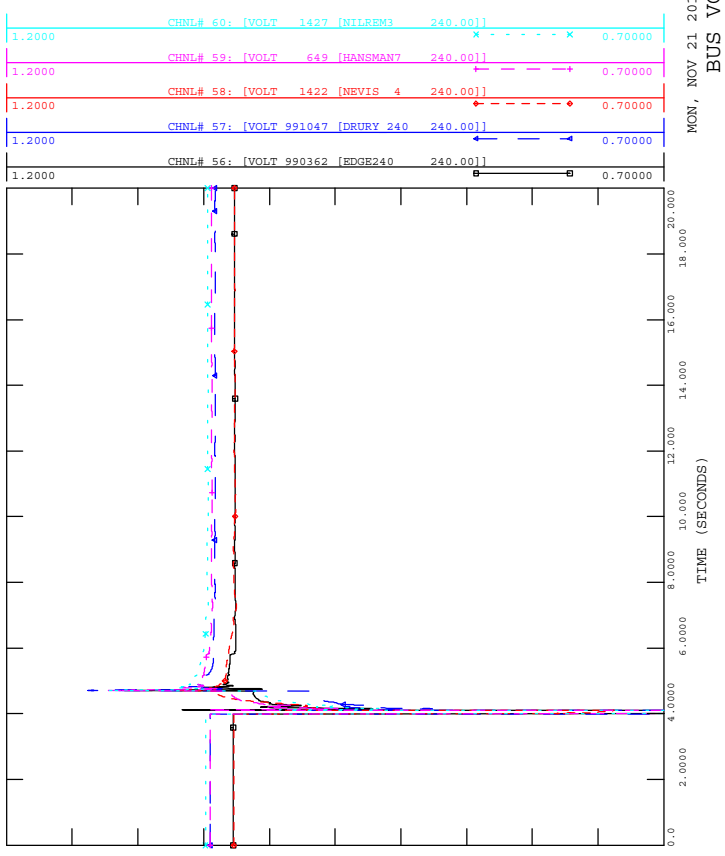

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7

MON, NOV 21 2016 13:37

BUS VOLTAGE

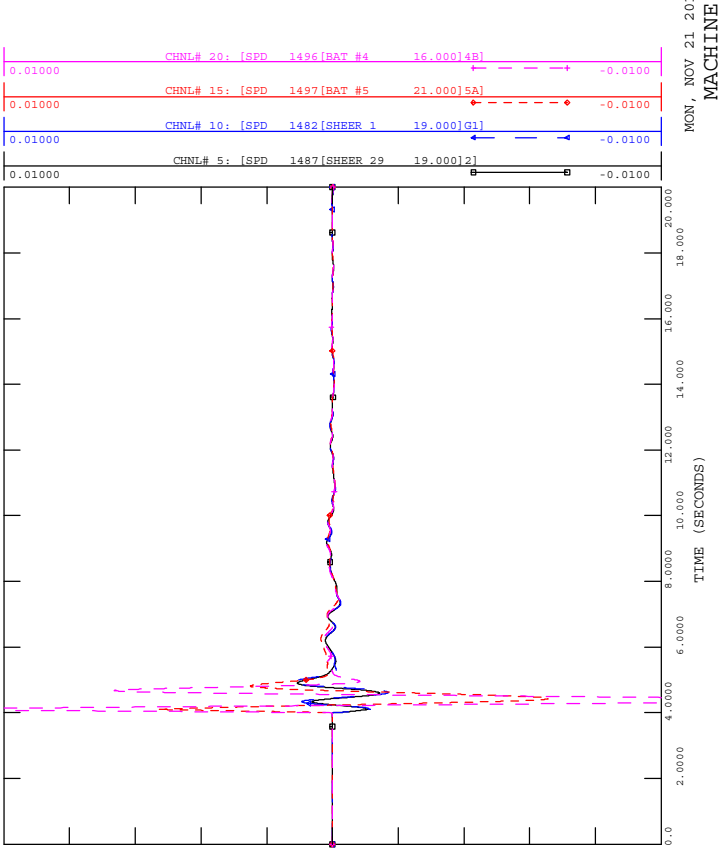


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7

MON, NOV 21 2016 13:37

MACHINE SPEED

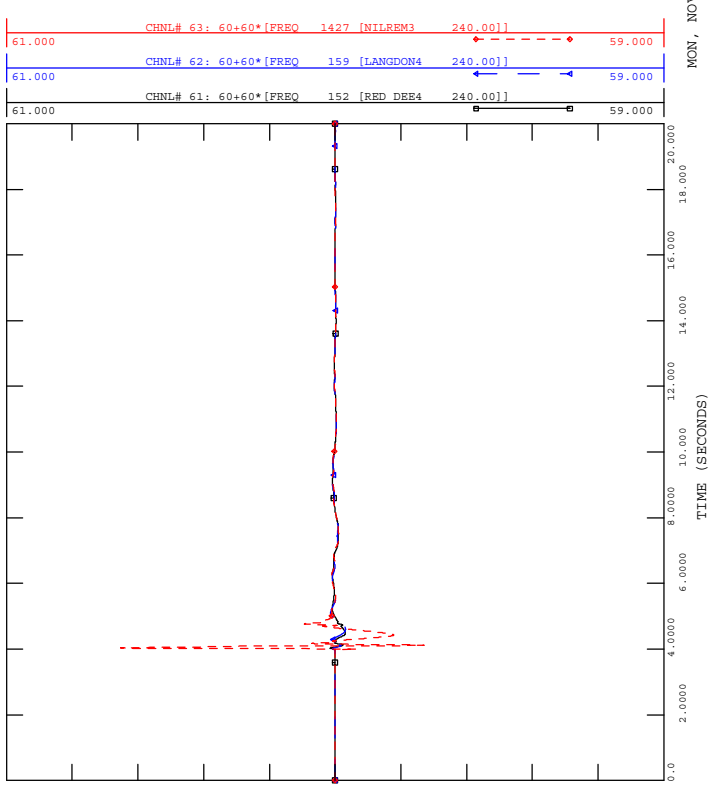


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7

MON, NOV 21 2016 13:37

FREQUENCY

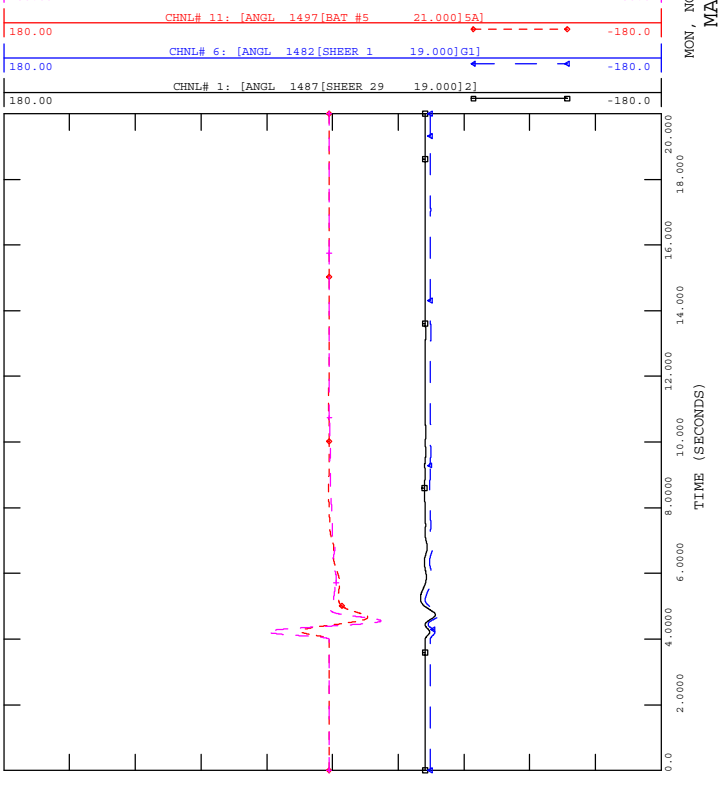


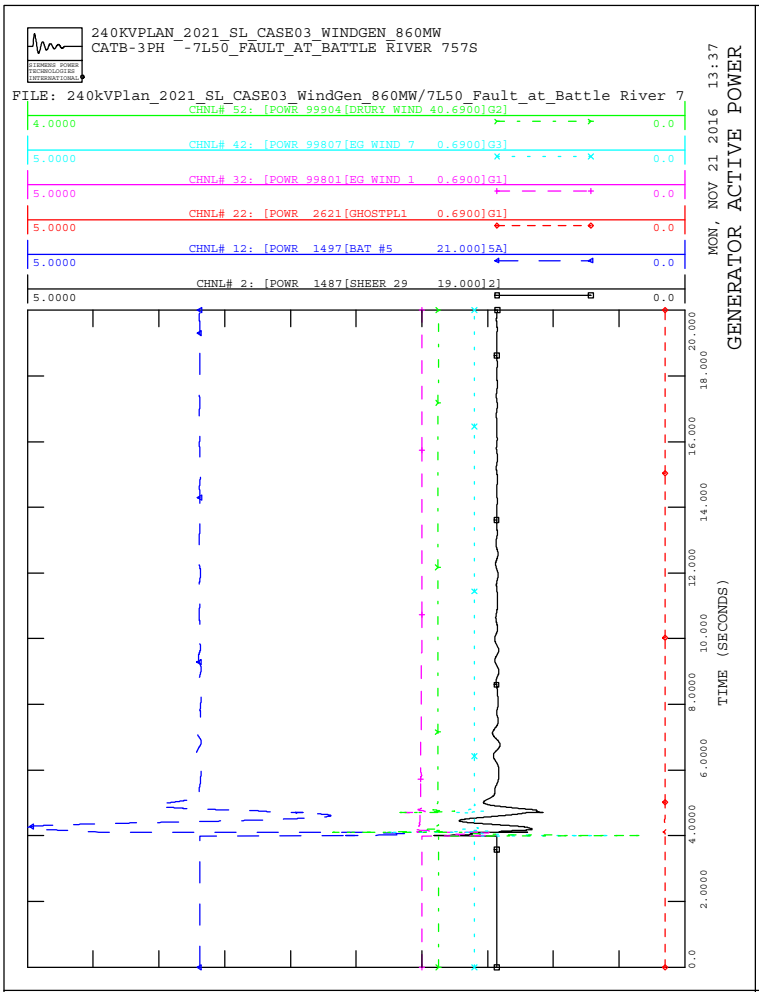
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

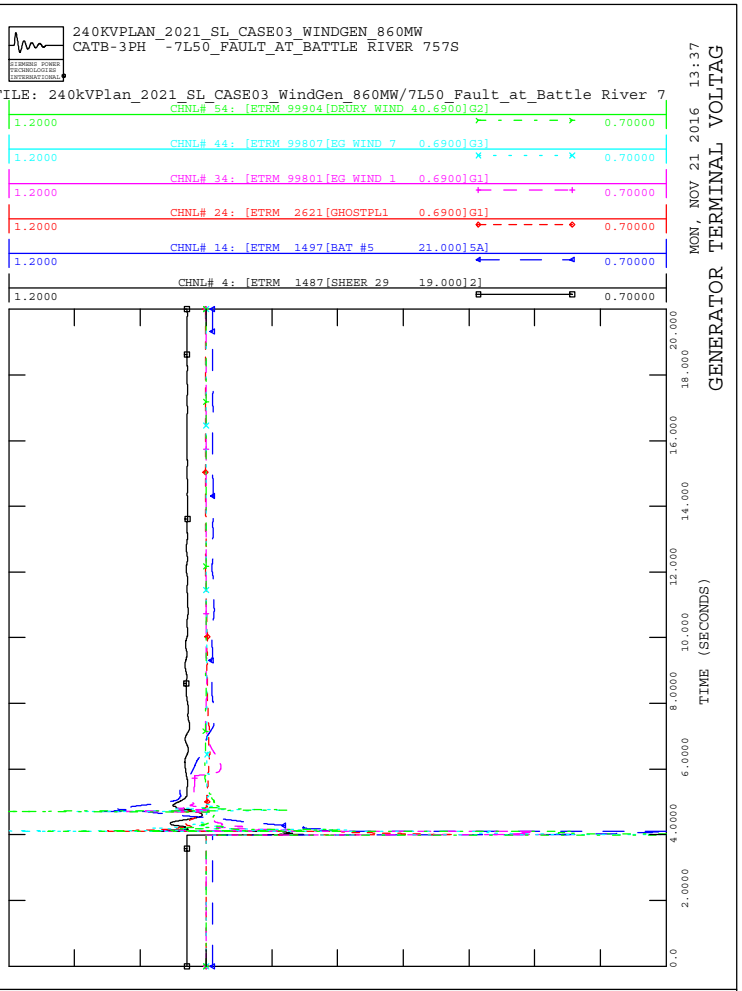
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7

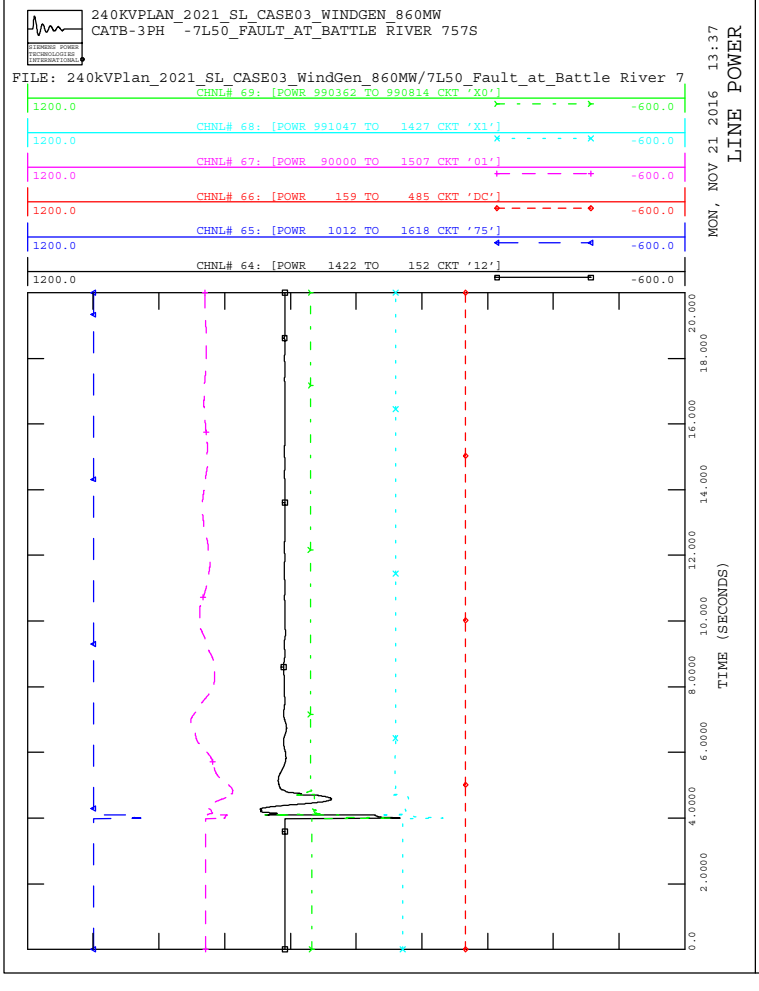
MON, NOV 21 2016 13:37

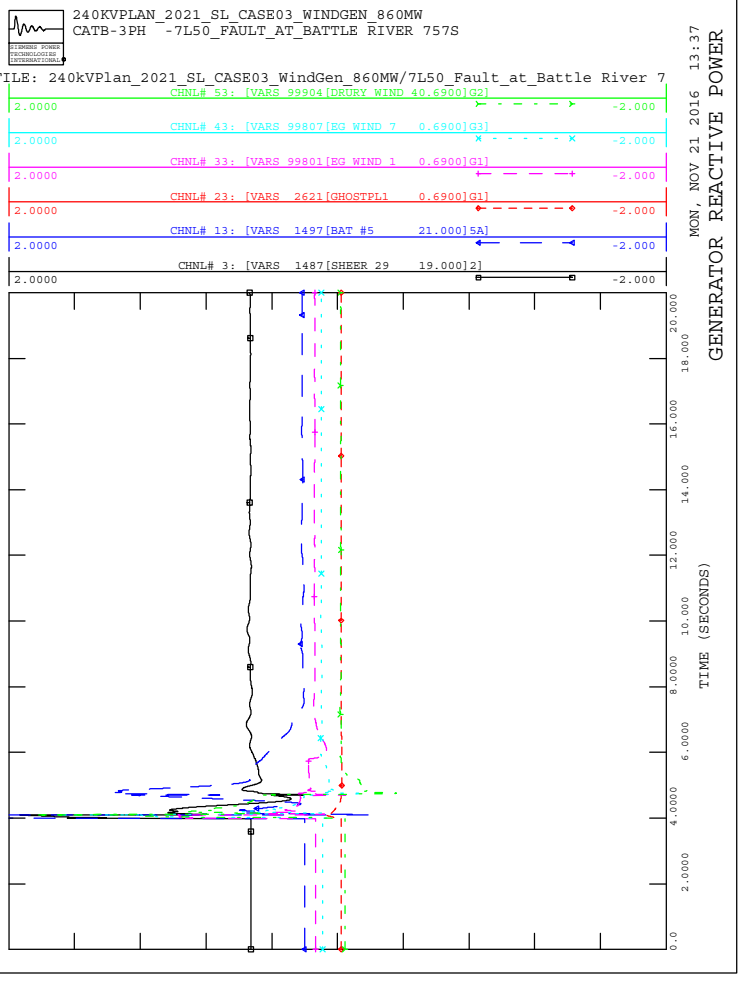
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)

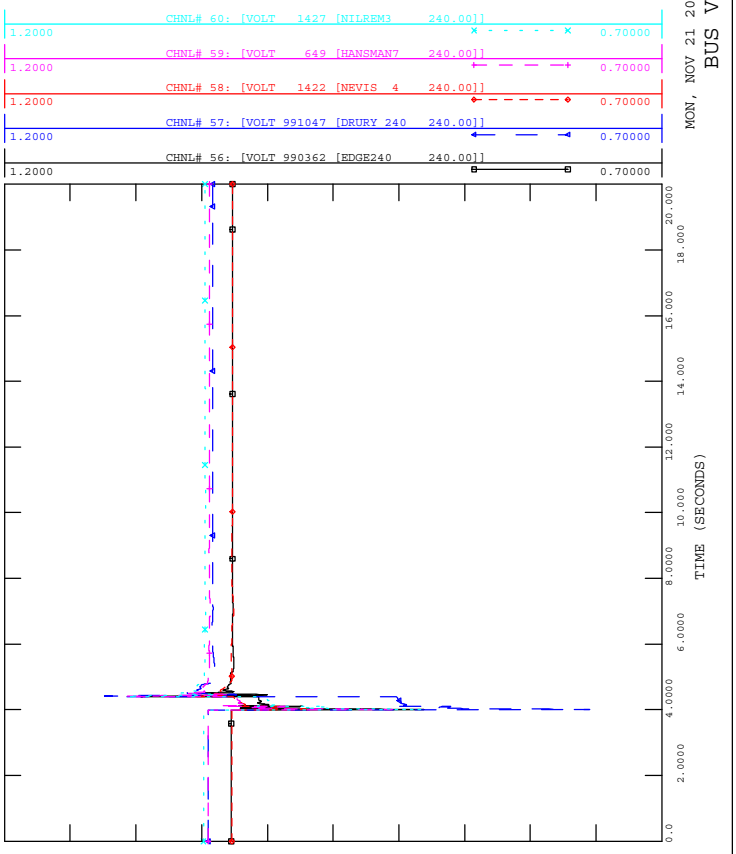

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 13:37

BUS VOLTAGE

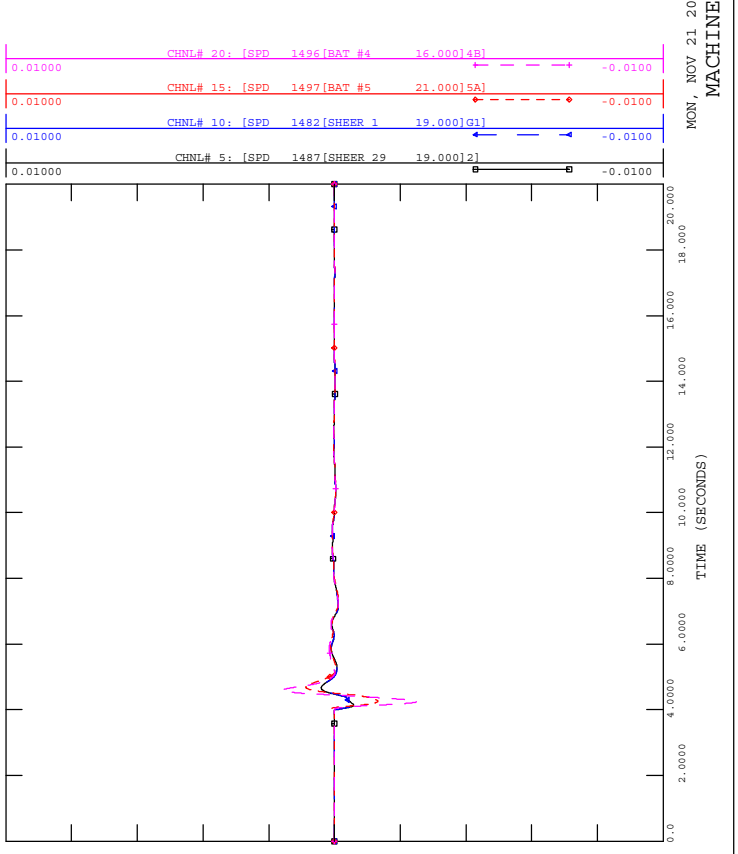


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 13:37

MACHINE SPEED

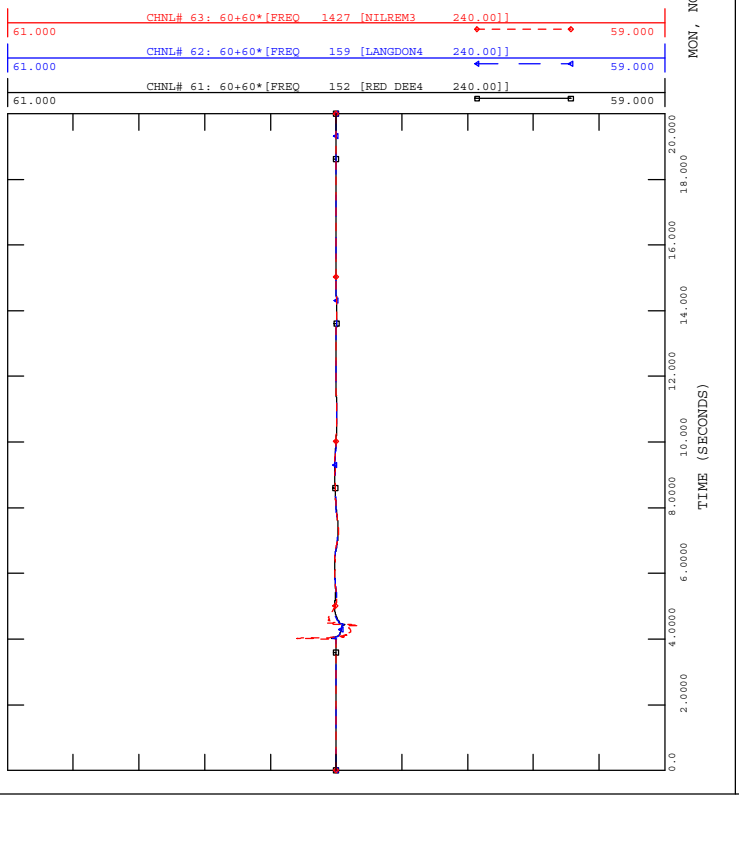


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 13:37

FREQUENCY

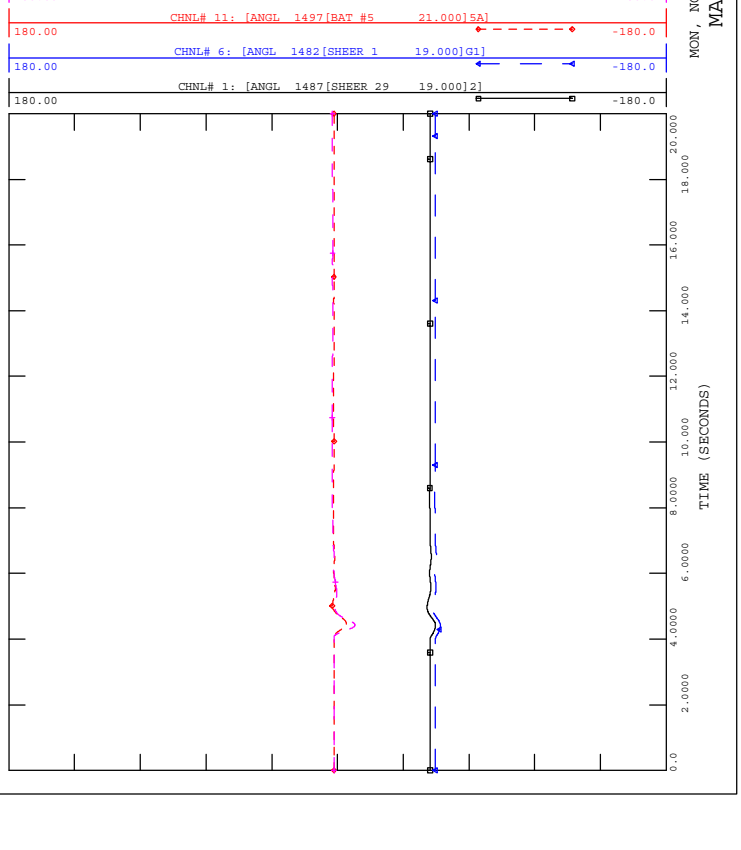


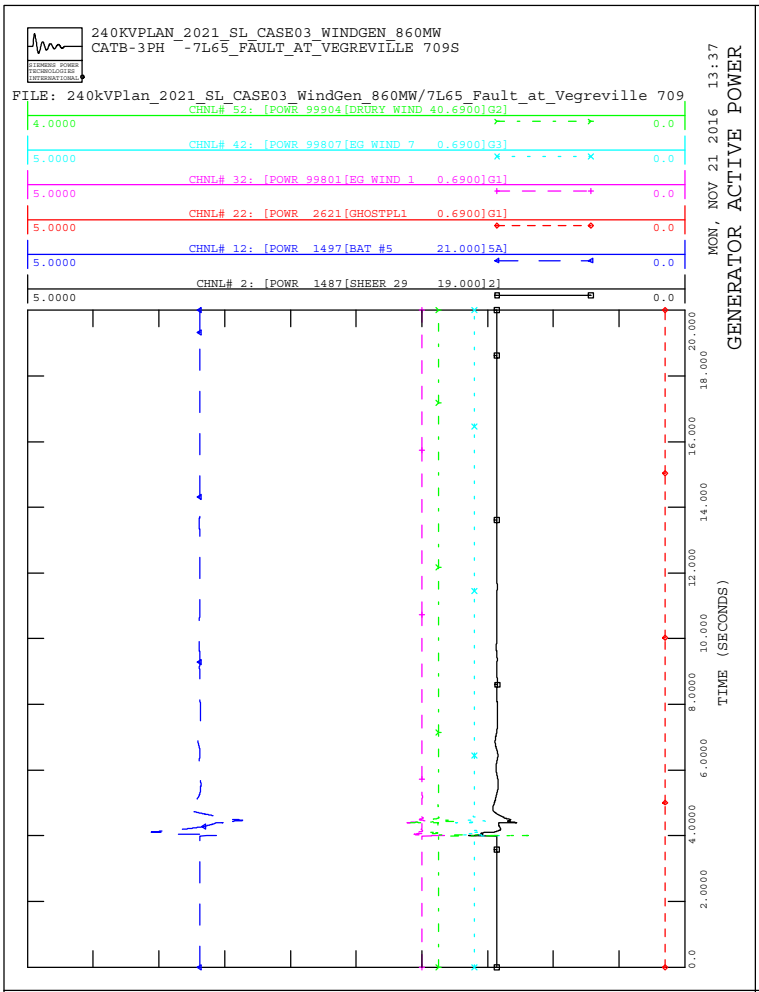
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

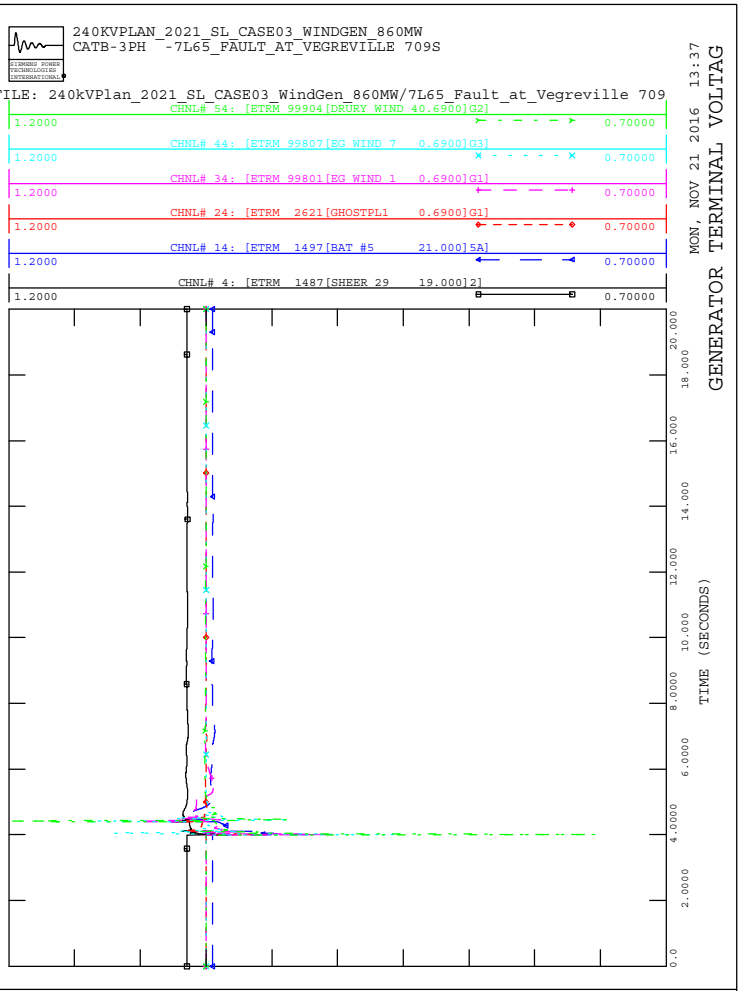
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709

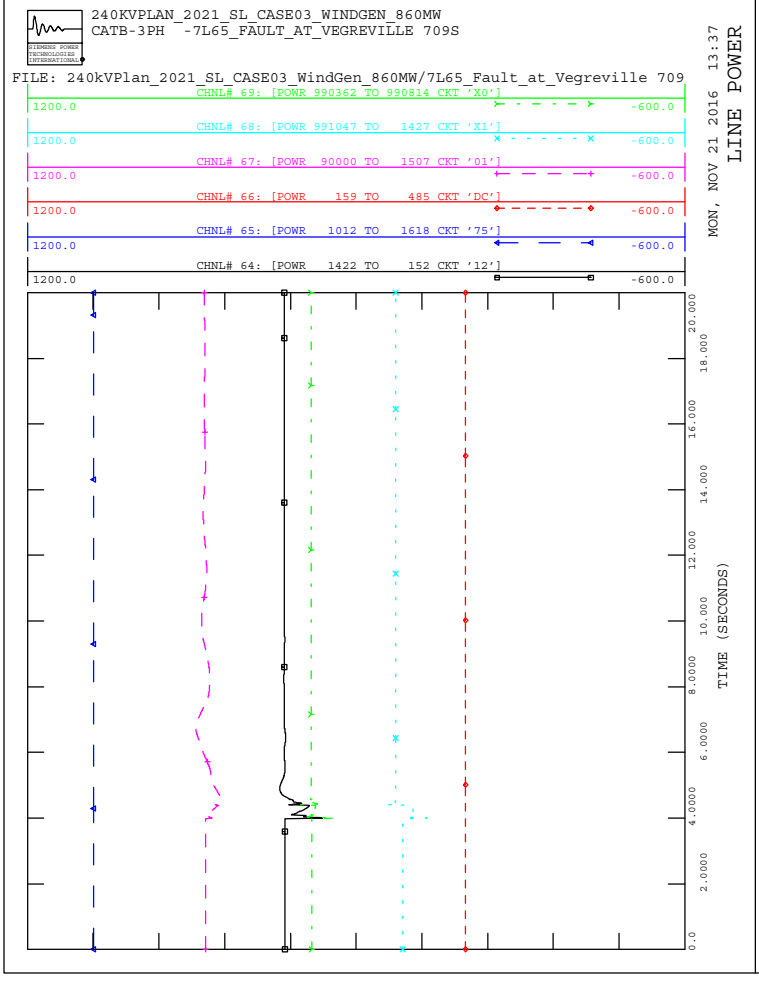
MON, NOV 21 2016 13:37

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
5.0000
5.0000
5.0000
5.0000
0.0
0.0
0.0
0.0
0.0
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
1.2000
1.2000
1.2000
1.2000
1.2000
0.70000
0.70000
0.70000
0.70000
0.70000
0.70000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
1200.0
1200.0
1200.0
1200.0
1200.0
-600.0
-600.0
-600.0
-600.0
-600.0
-600.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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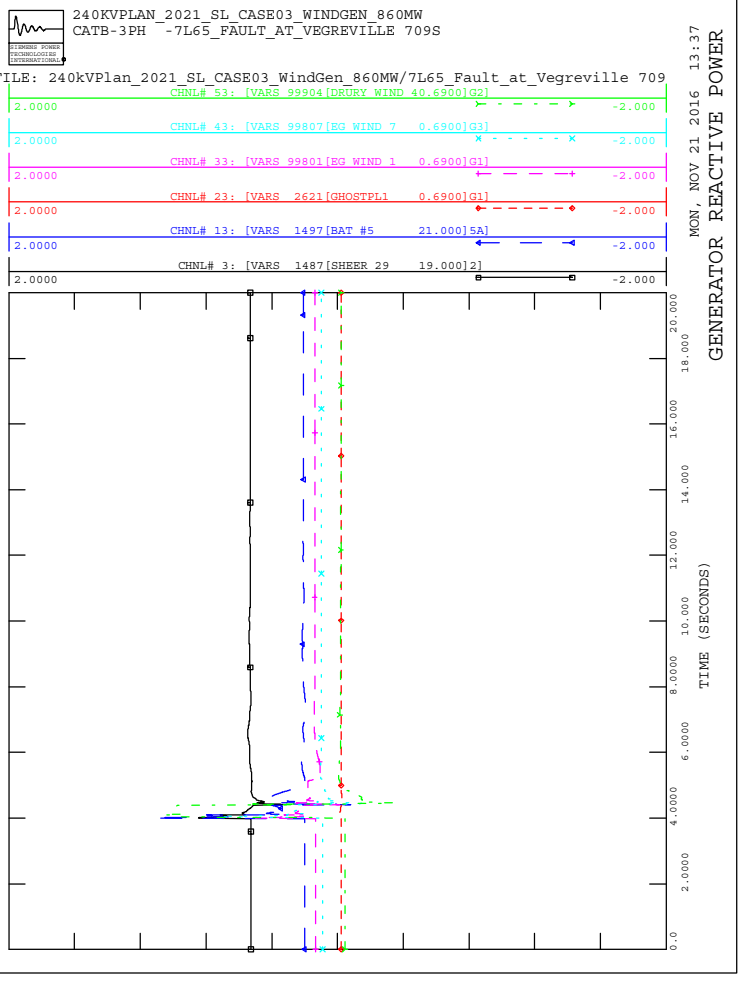
TIME (SECONDS)
MON, NOV 21 2016 13:37
LINE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
2.0000
2.0000
2.0000
2.0000
2.0000
-2.000
-2.000
-2.000
-2.000
-2.000
-2.000
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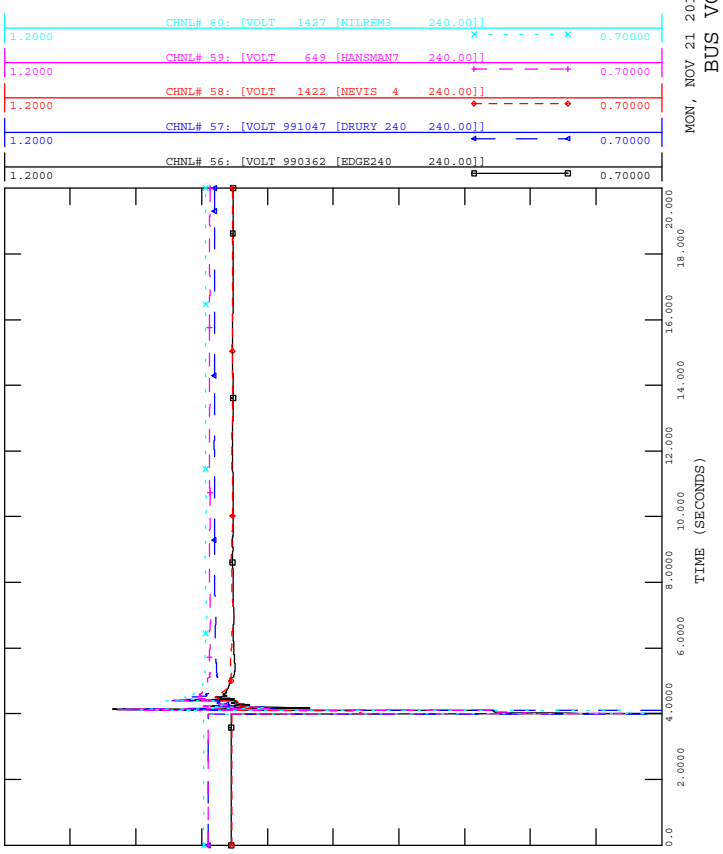
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

MON, NOV 21 2016 13:37

BUS VOLTAGE

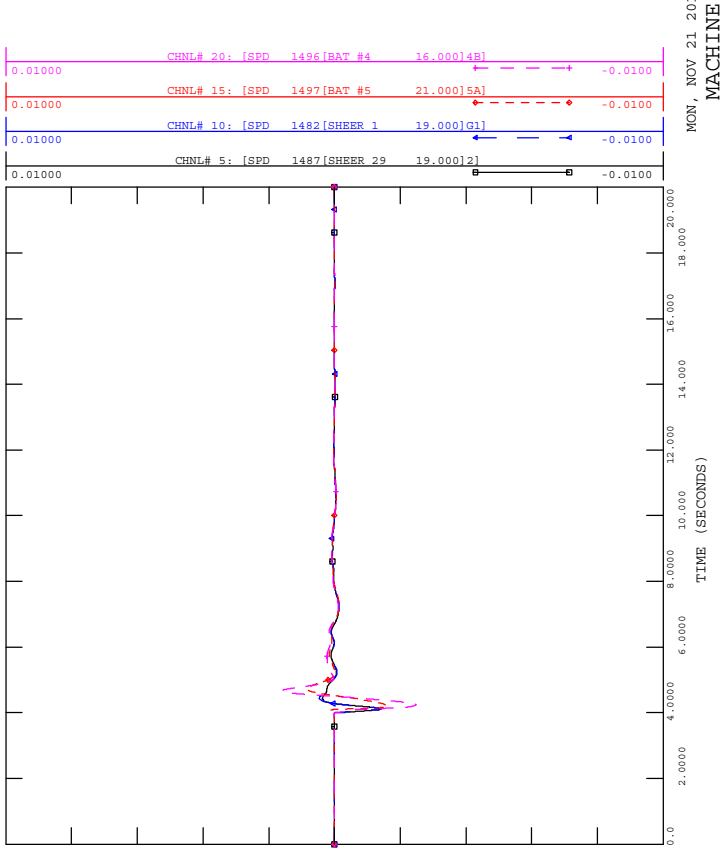


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

MON, NOV 21 2016 13:37

MACHINE SPEED

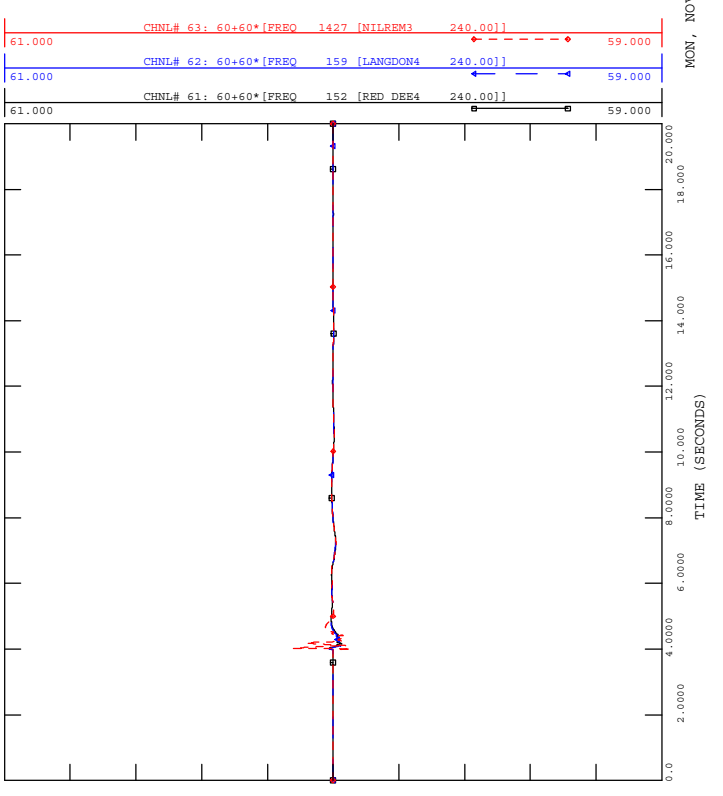


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

MON, NOV 21 2016 13:37

FREQUENCY

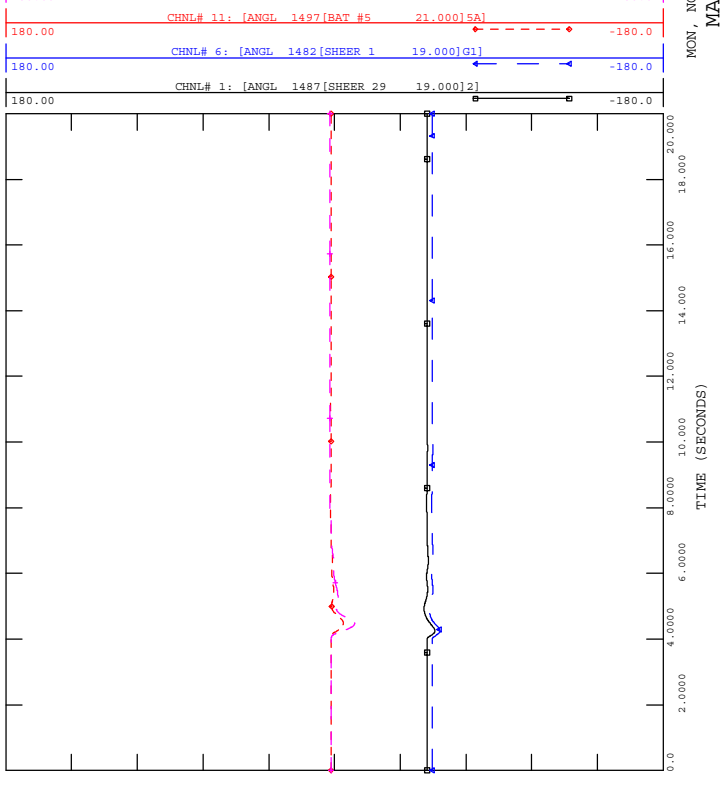


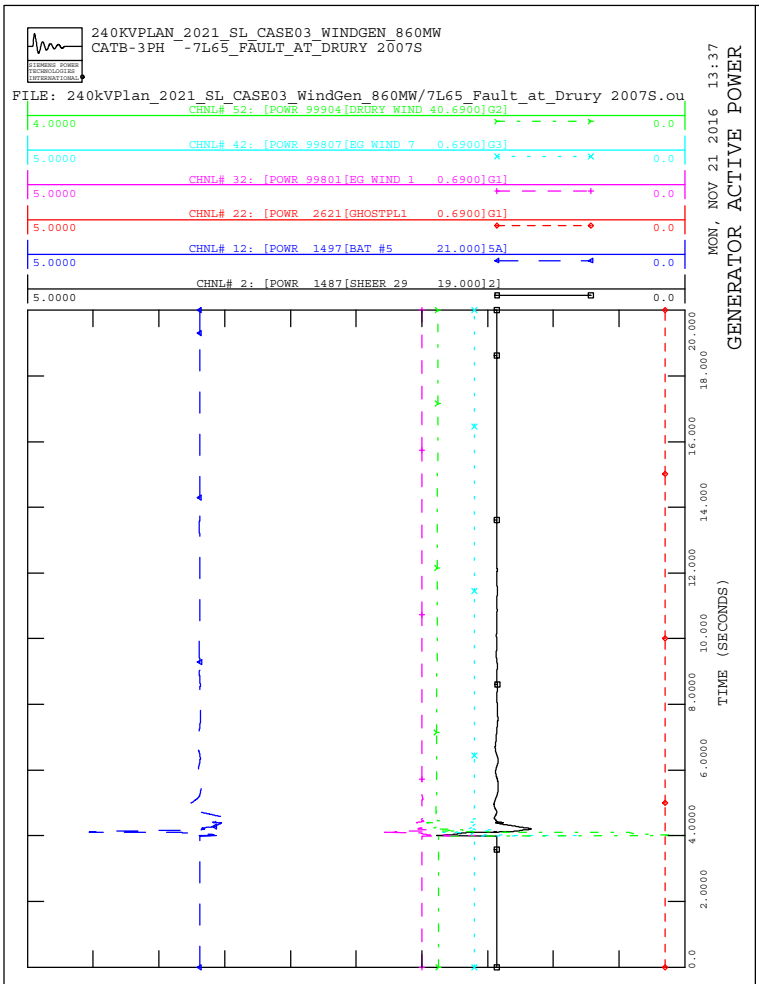
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

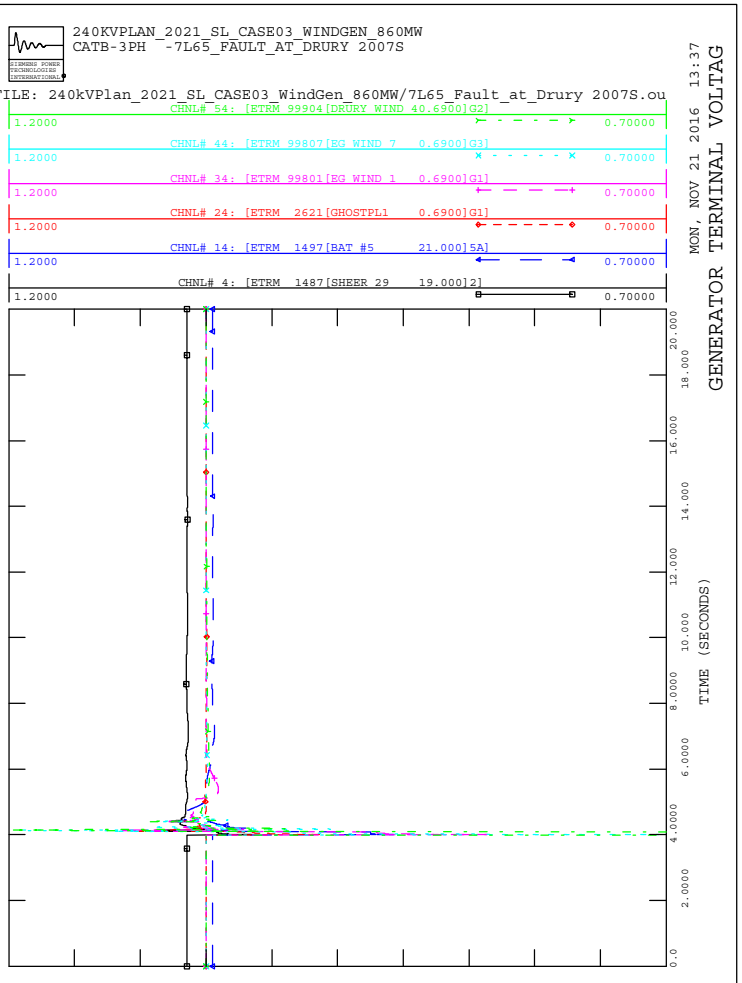
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

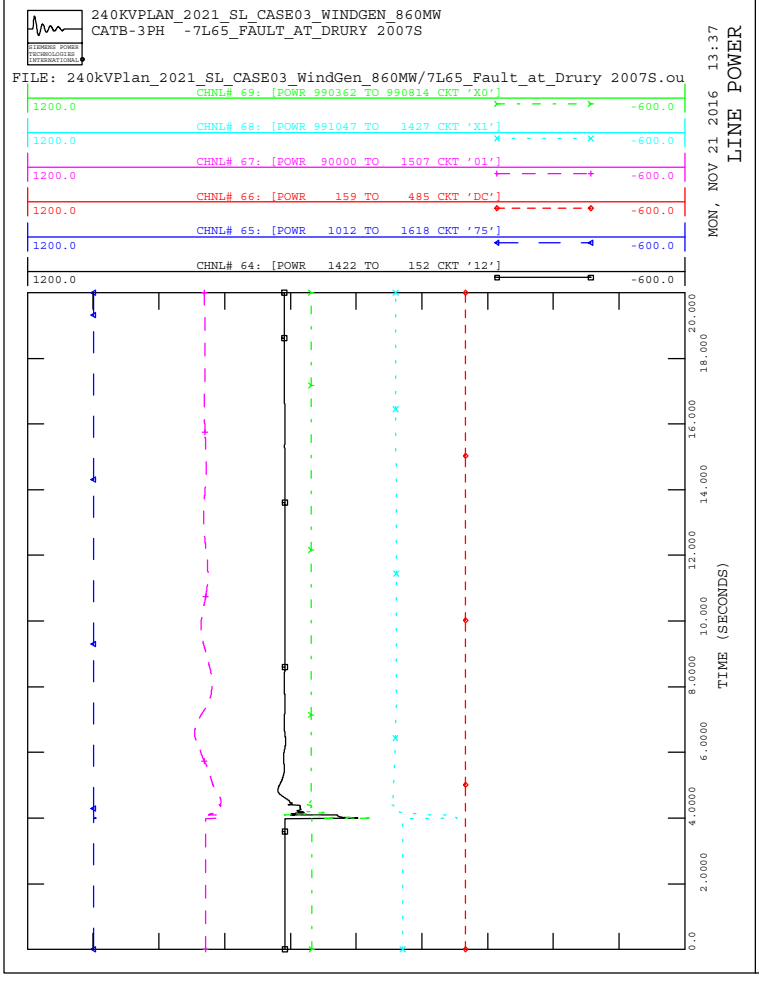
MON, NOV 21 2016 13:37

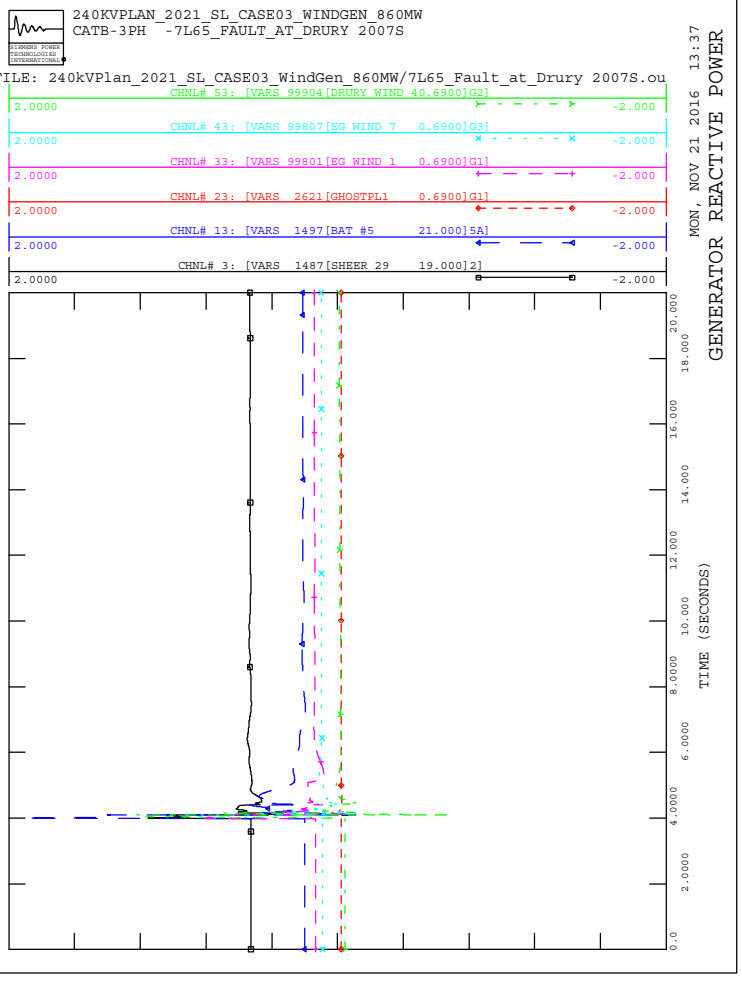
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)

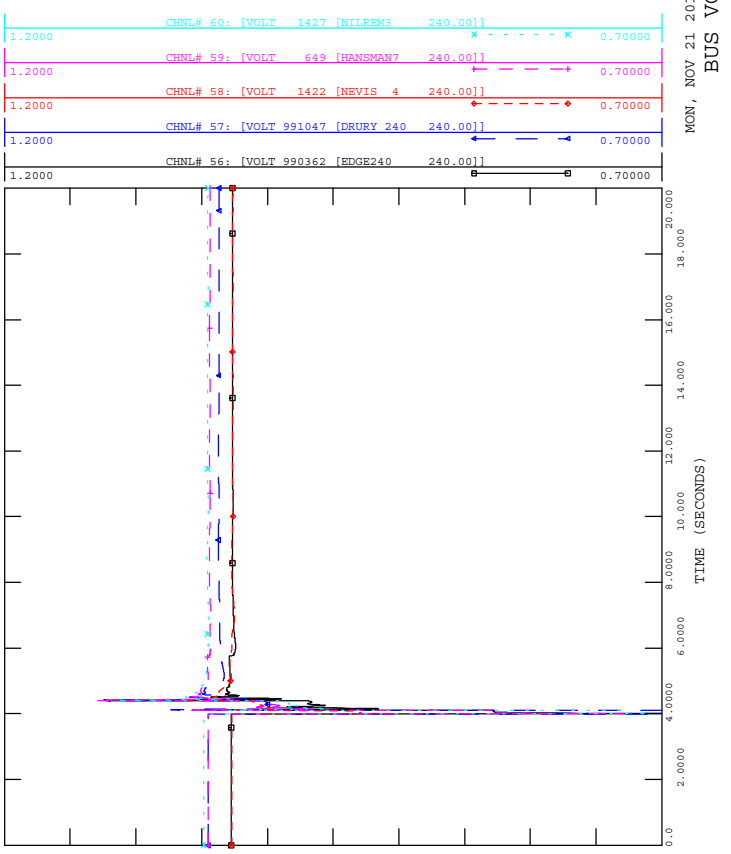

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Drury 2007S.o

MON, NOV 21 2016 13:37

BUS VOLTAGE

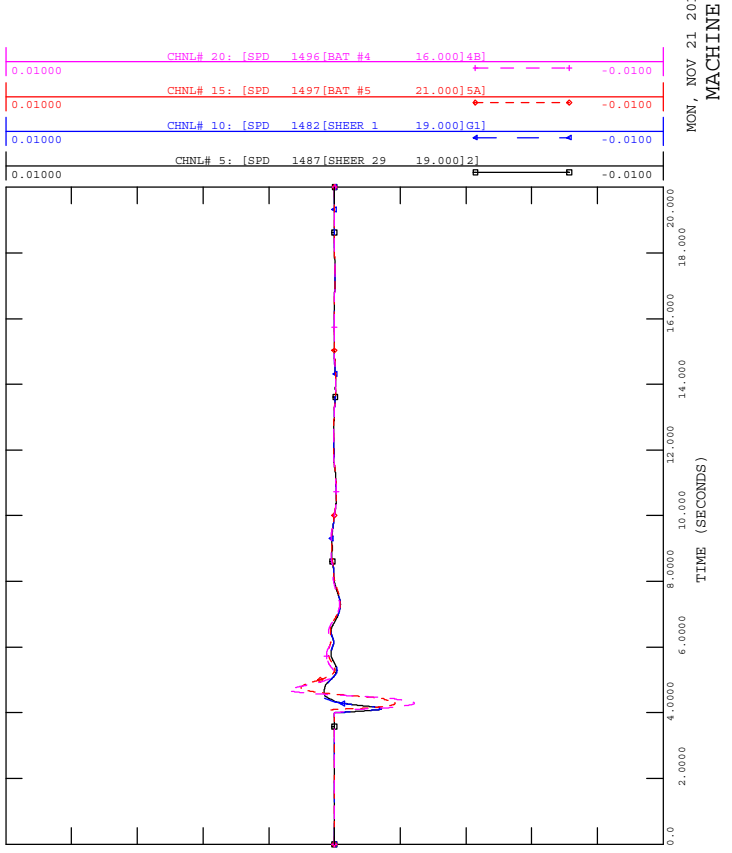


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Drury 2007S.o

MON, NOV 21 2016 13:37

MACHINE SPEED

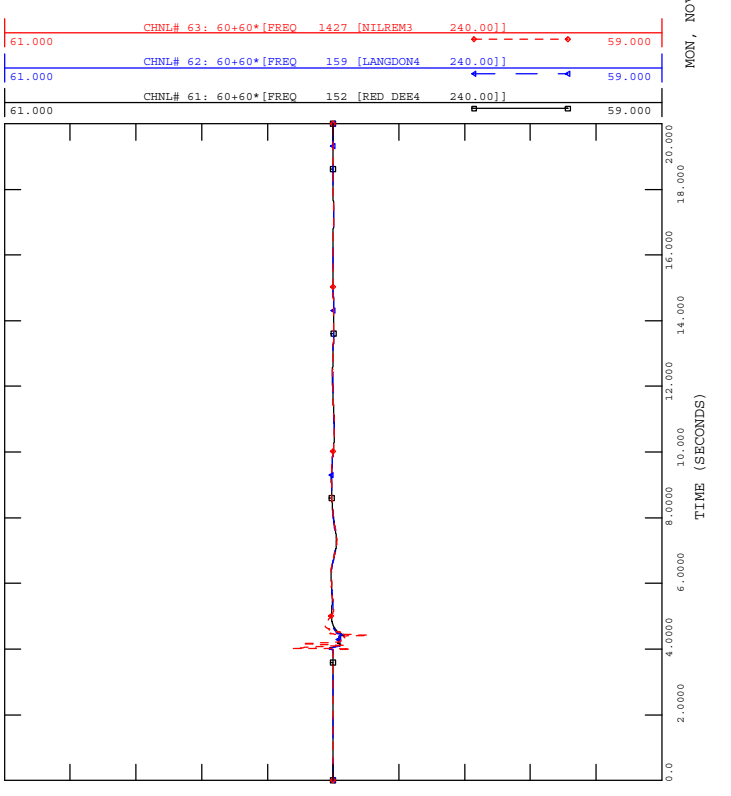


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Drury 2007S.o

MON, NOV 21 2016 13:37

FREQUENCY

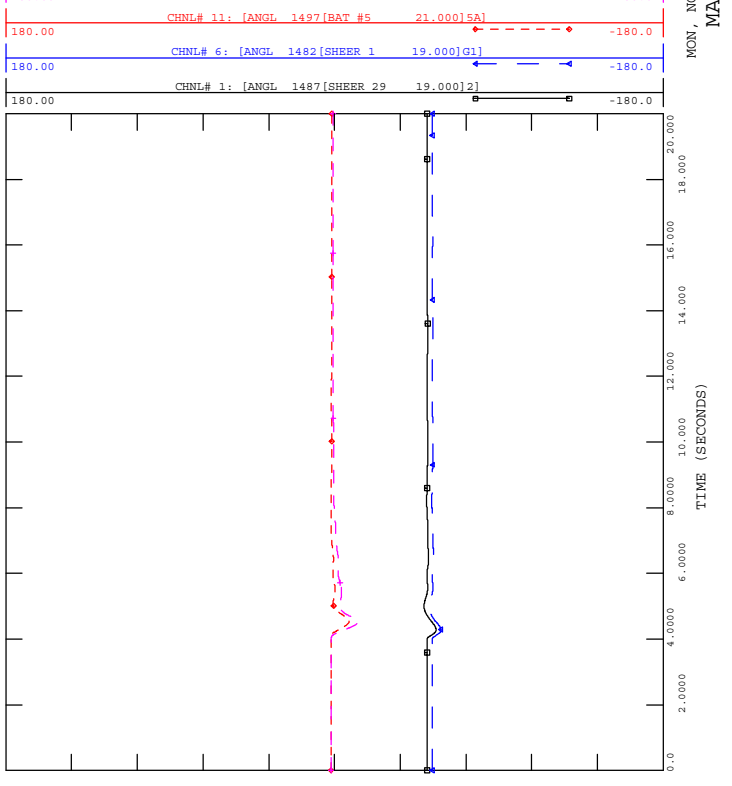


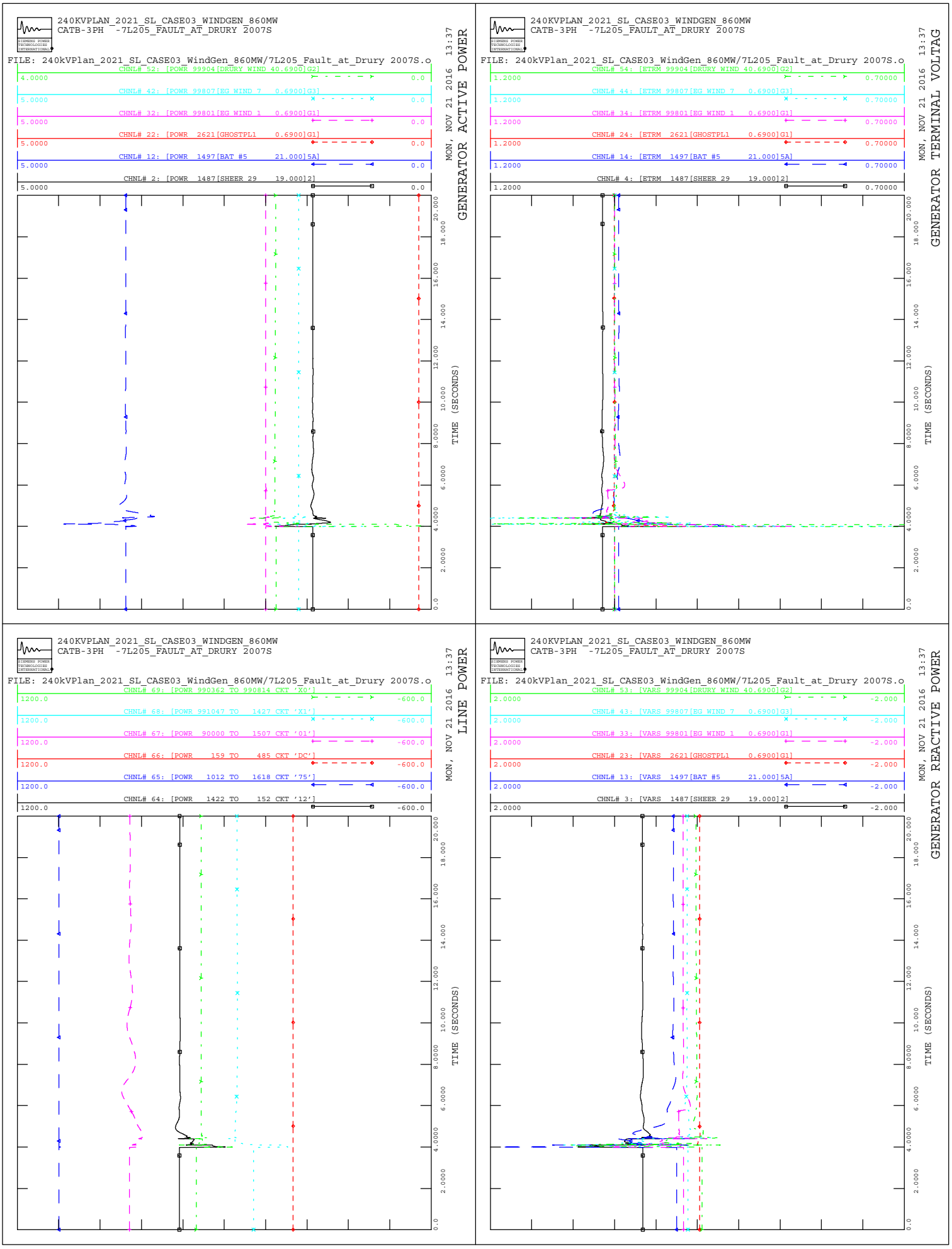
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Drury 2007S.o

MON, NOV 21 2016 13:37

MACHINE ANGEL



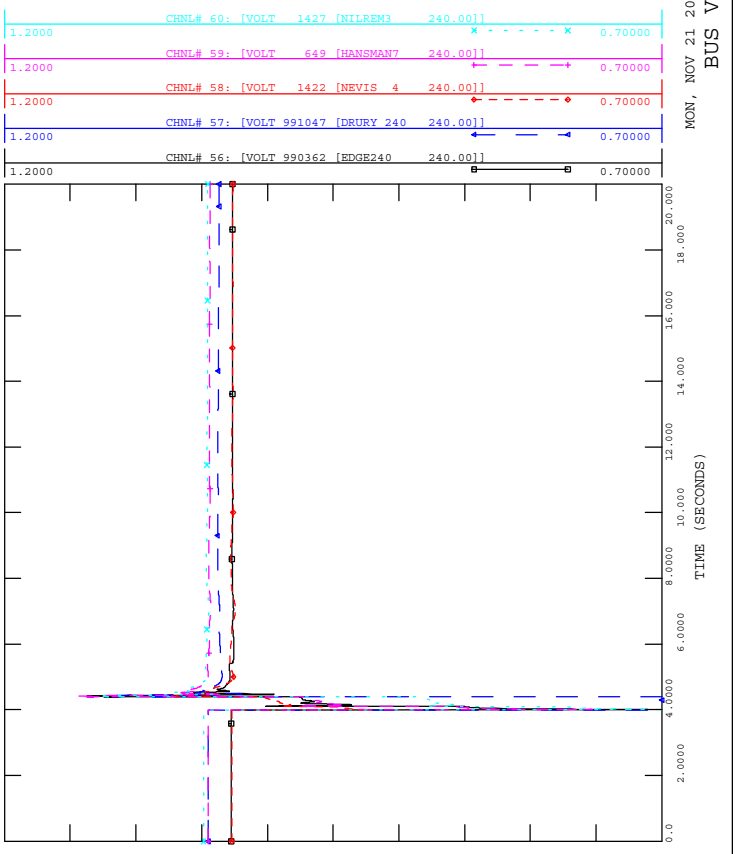

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Drury 2007S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

BUS VOLTAGE

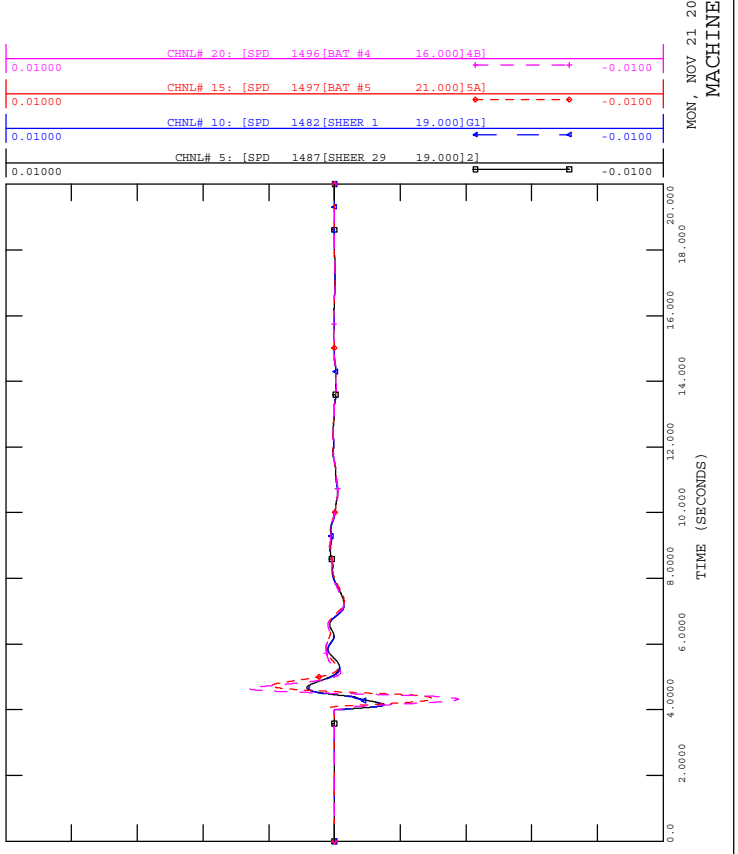


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

MACHINE SPEED

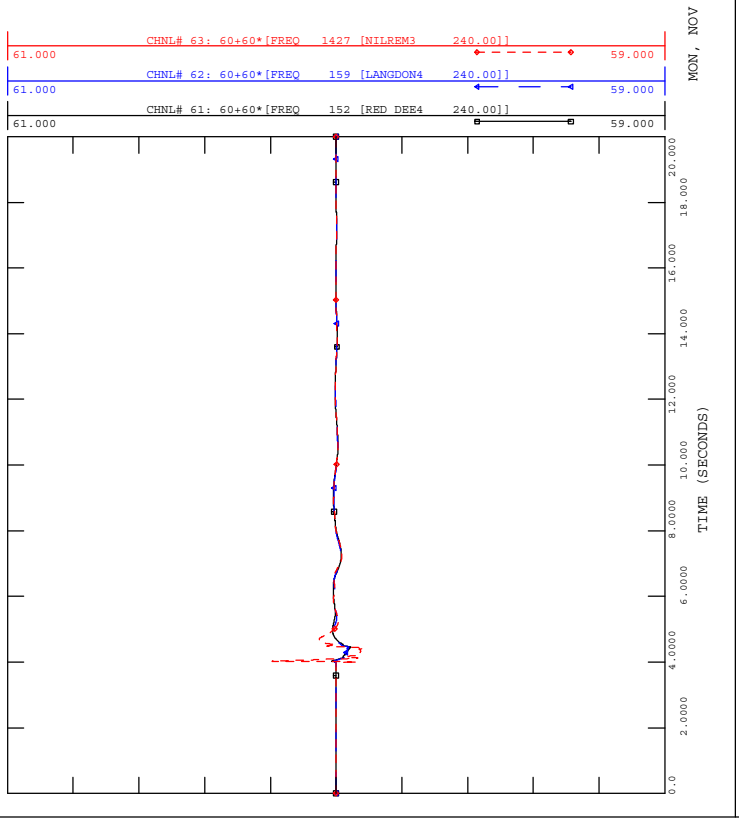


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71

MON, NOV 21 2016 13:37

FREQUENCY

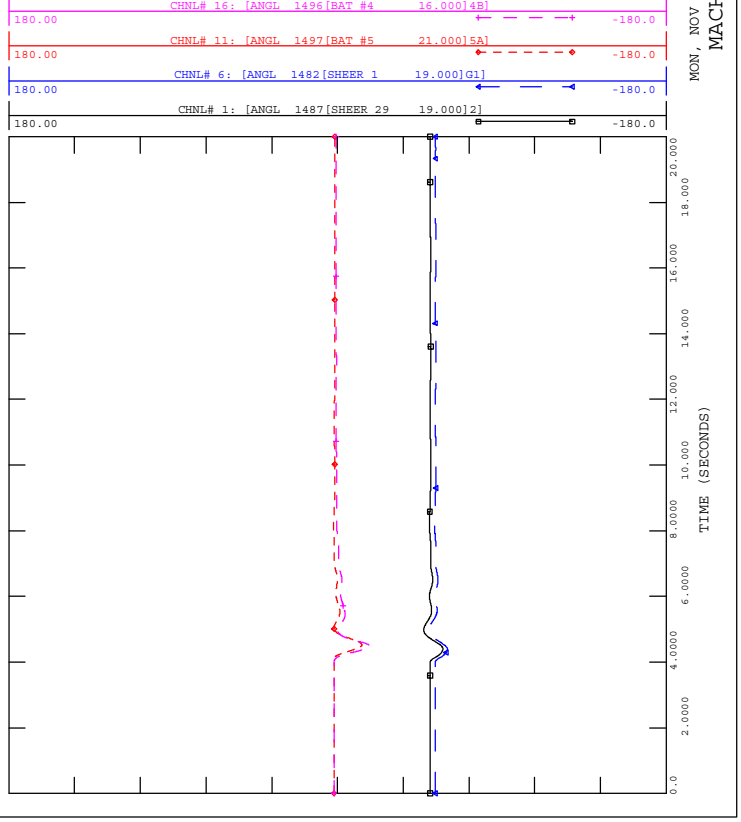


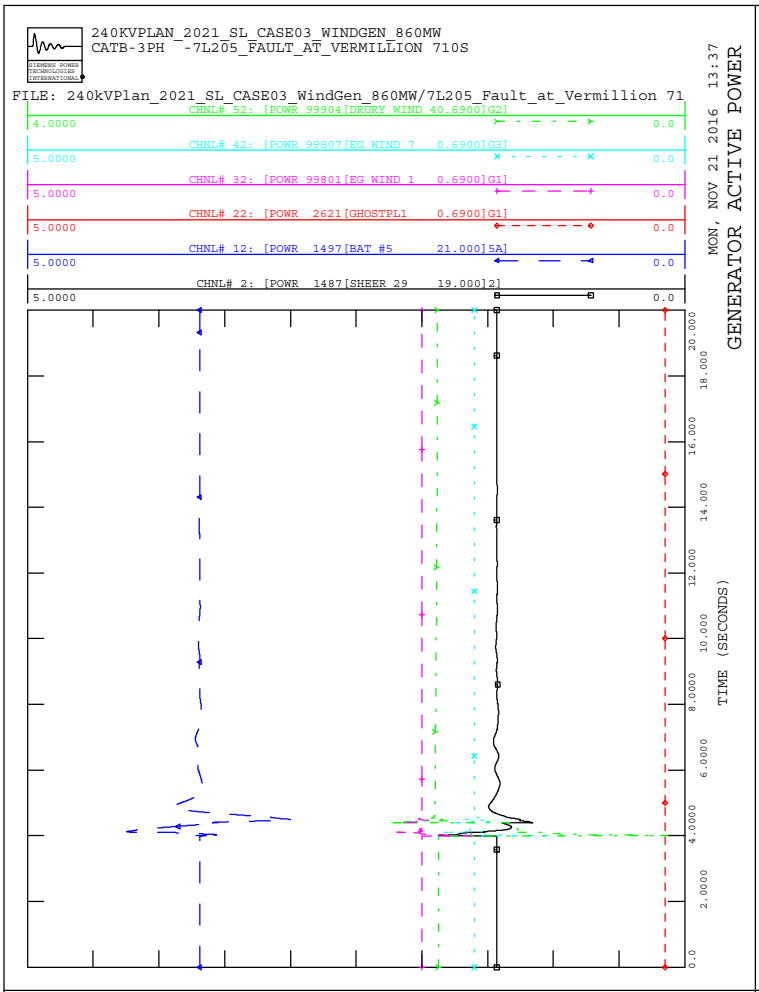
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

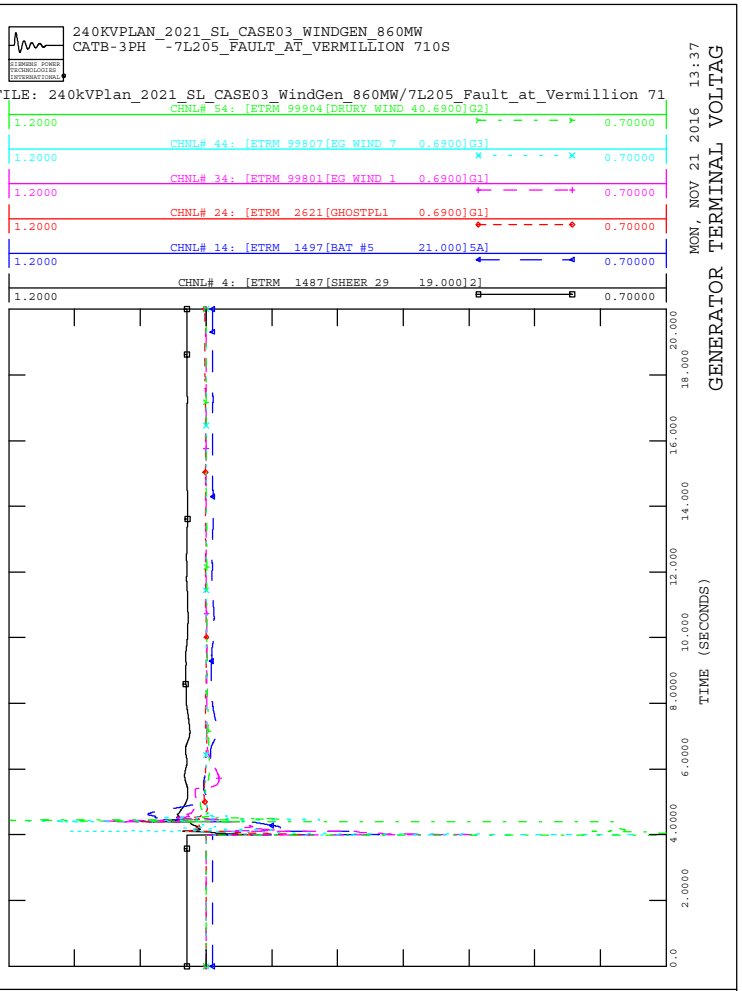
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71

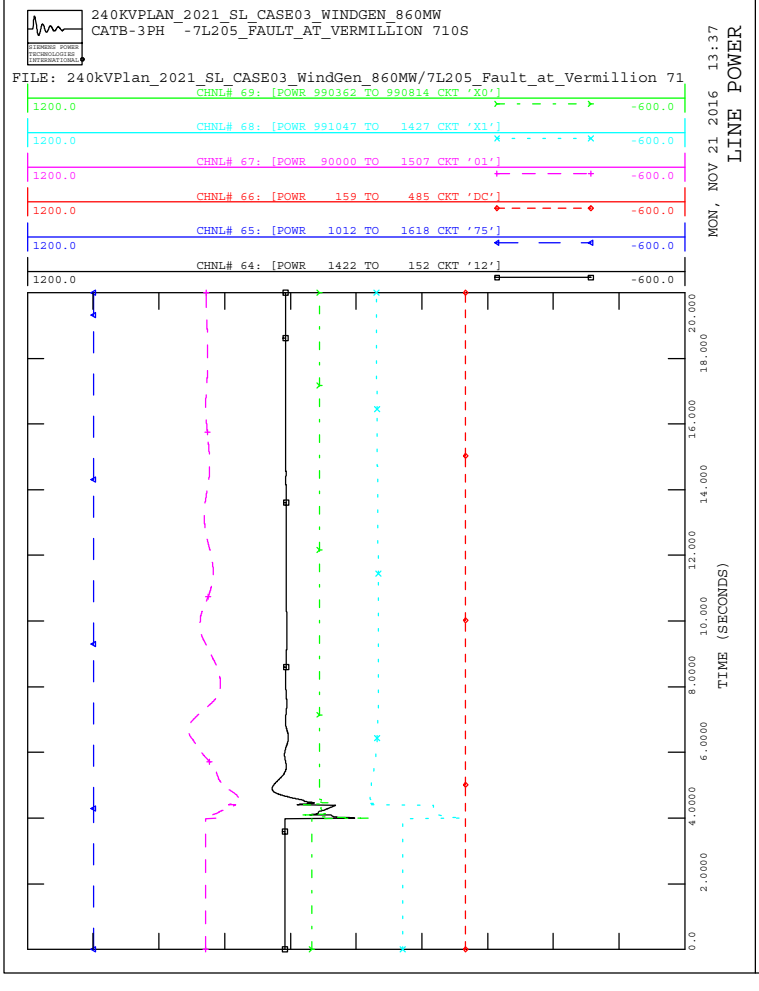
MON, NOV 21 2016 13:37

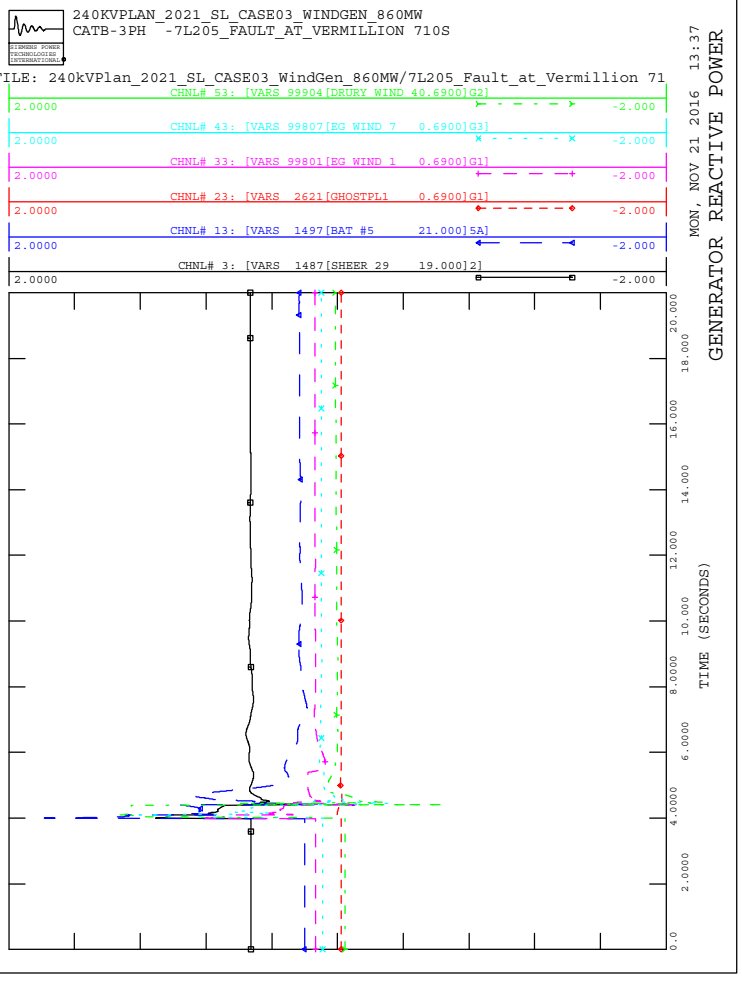
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)

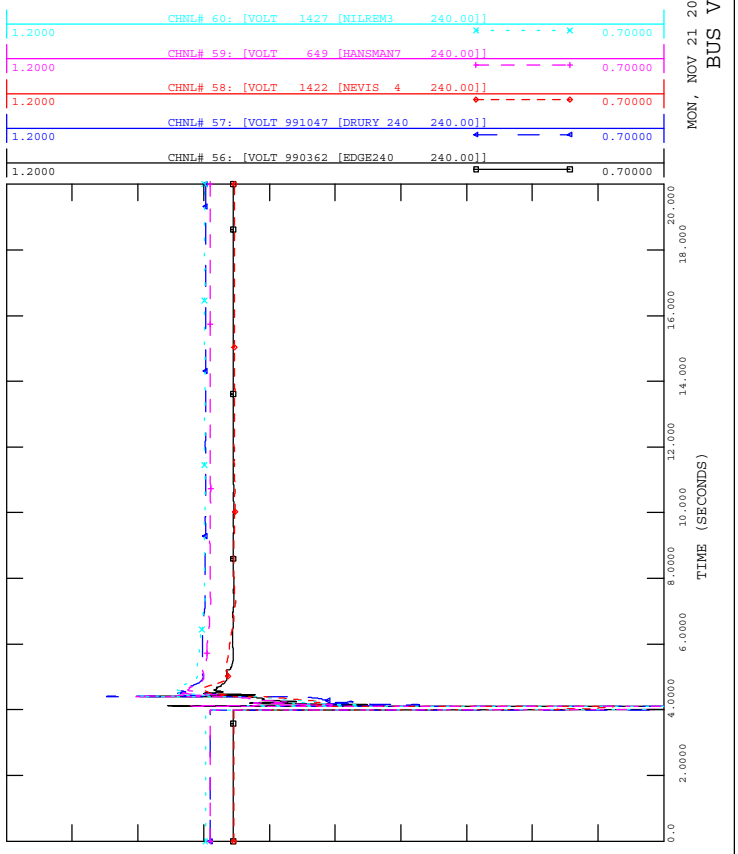

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 13:37

BUS VOLTAGE

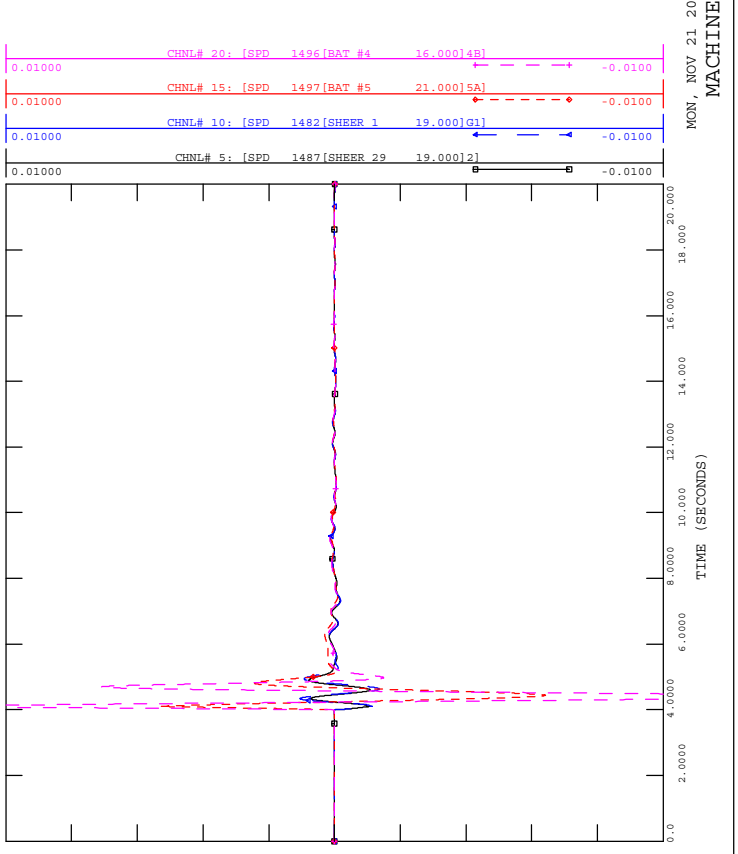


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 13:37

MACHINE SPEED

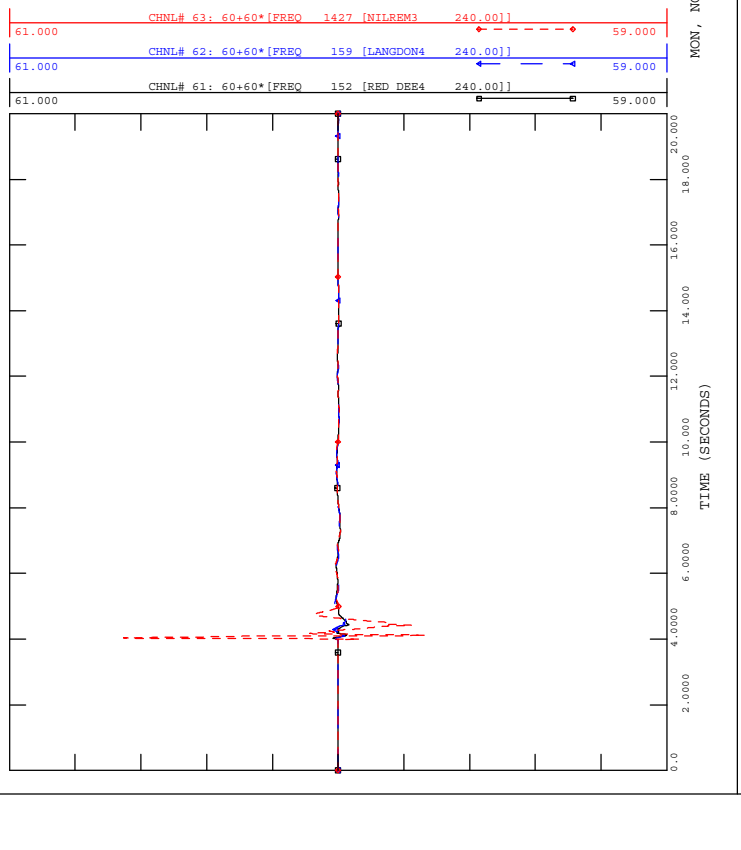


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 13:37

FREQUENCY

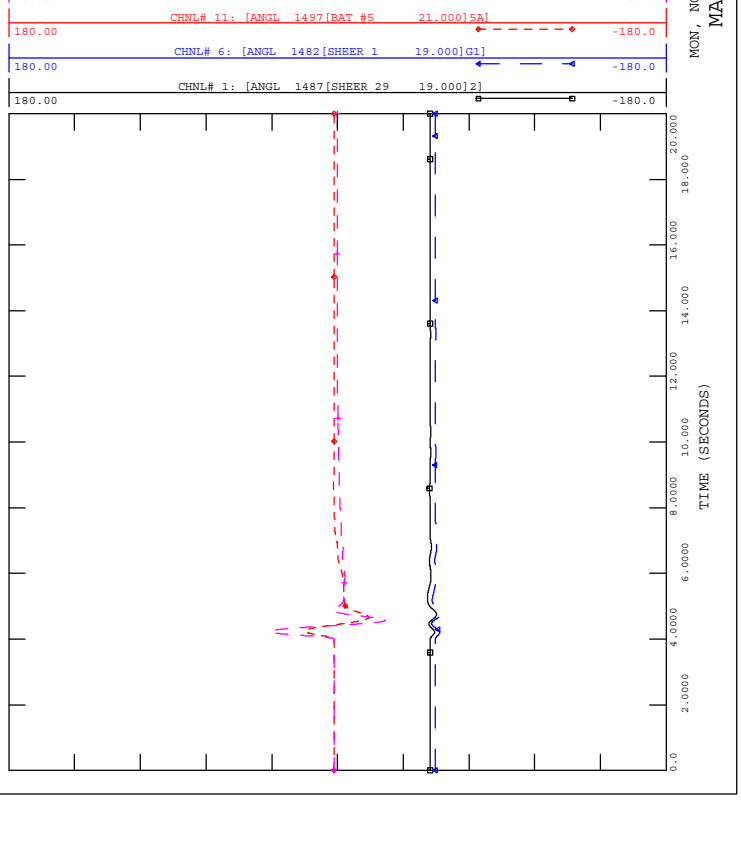


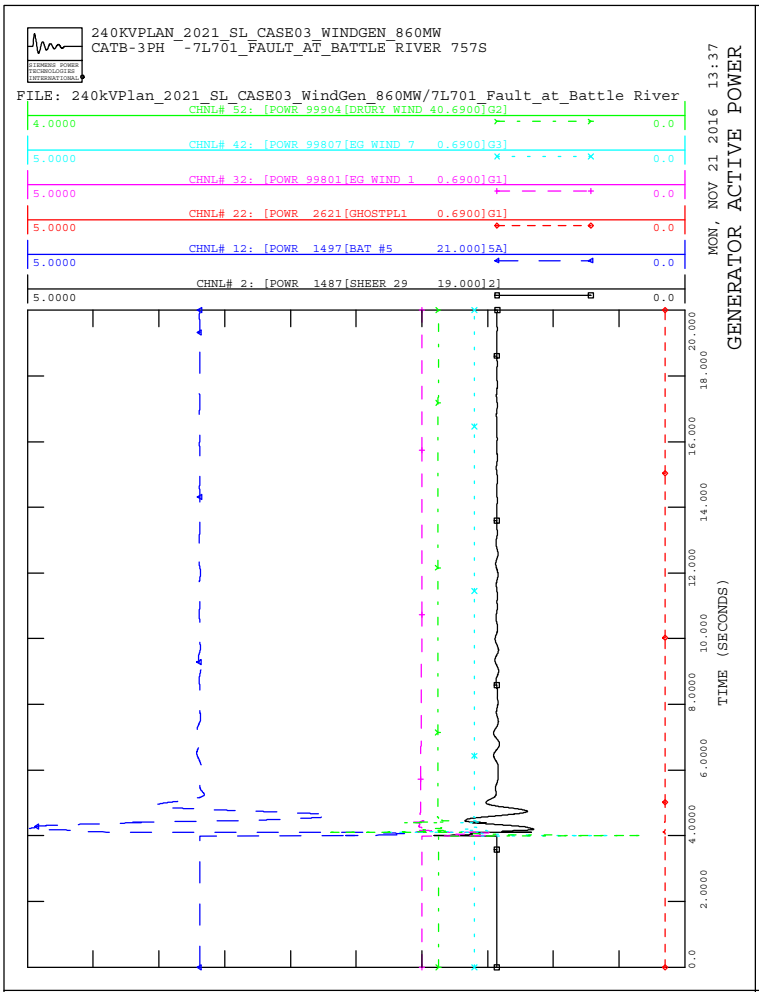
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S

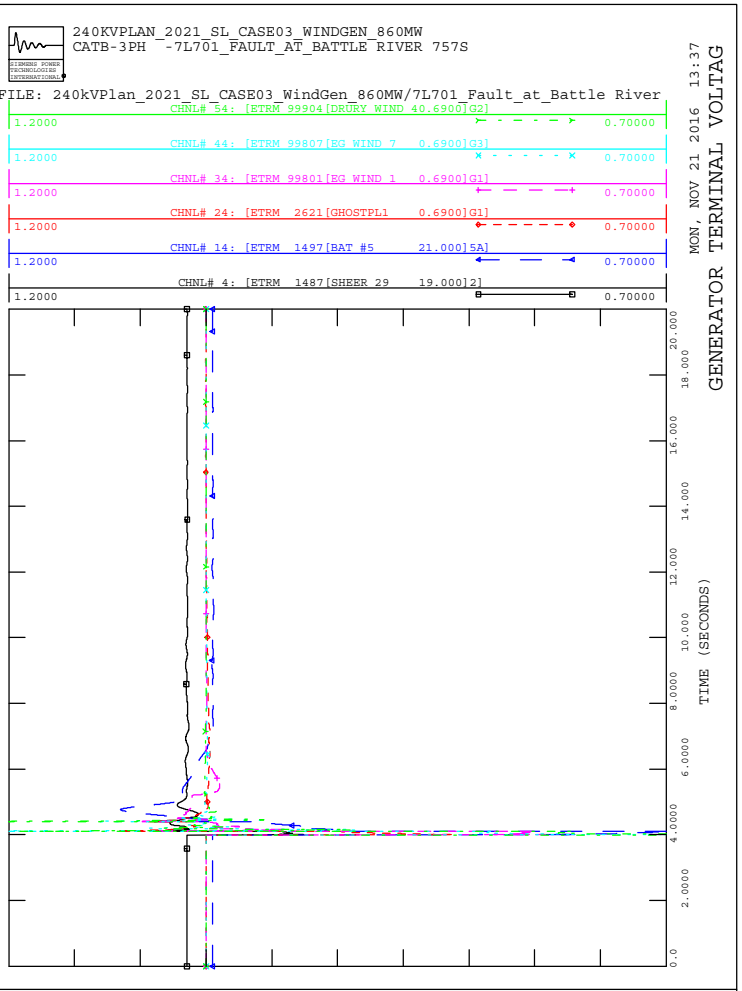
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle River

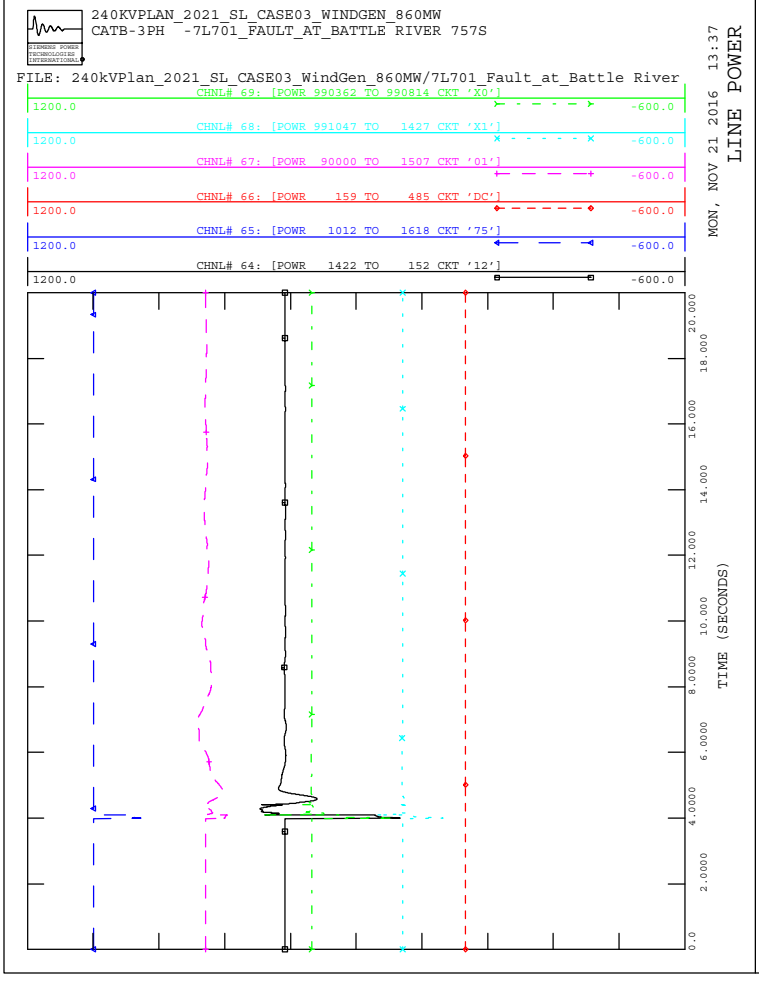
MON, NOV 21 2016 13:37

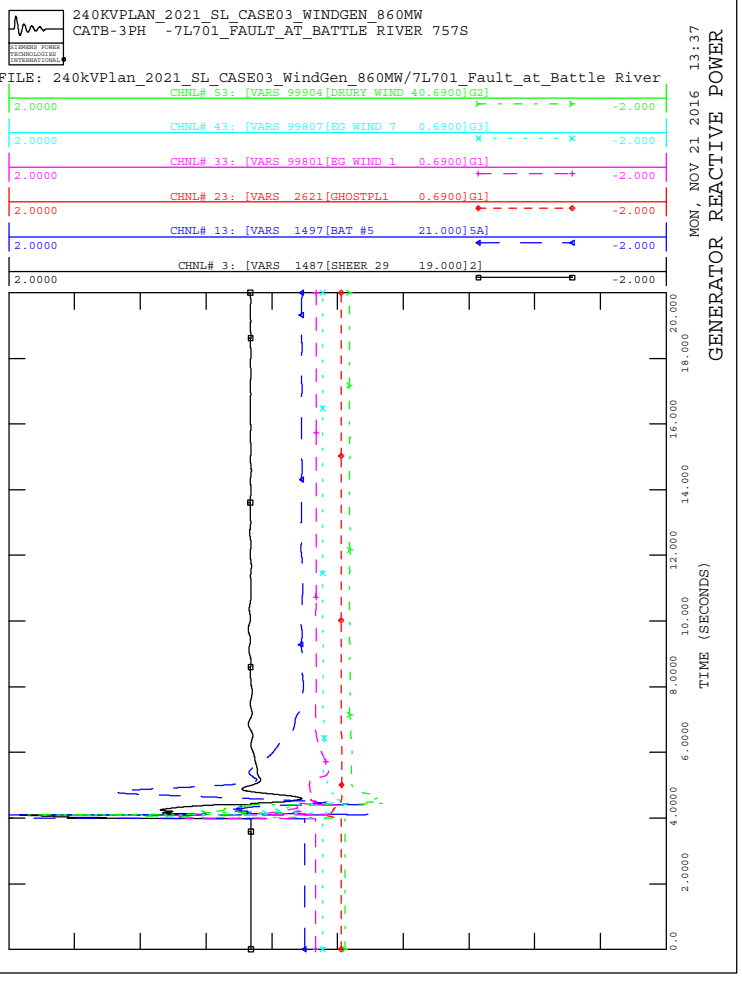
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle River
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle River
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle River
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)

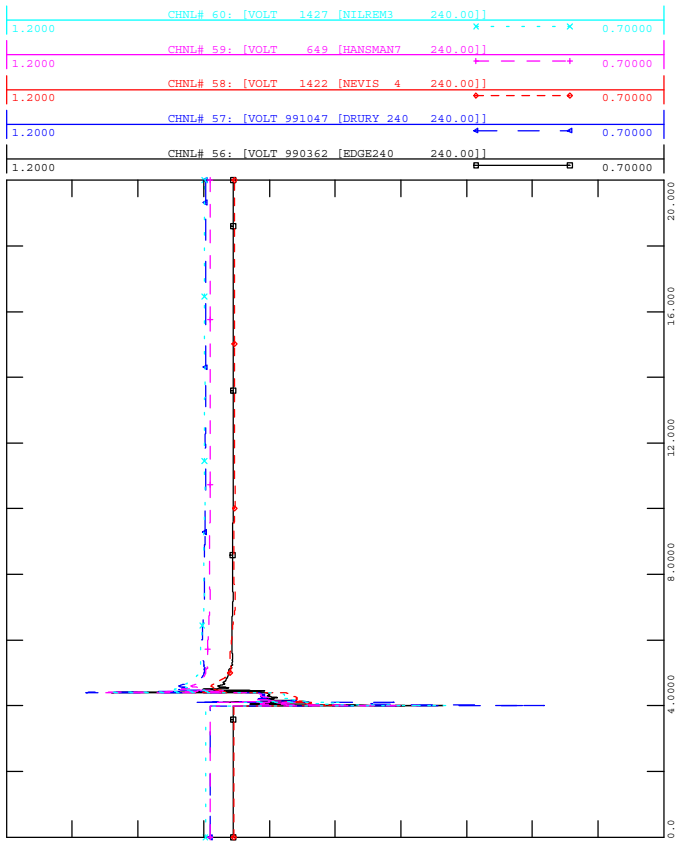

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle River
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o

MON, NOV 21 2016 13:37

BUS VOLTAGE

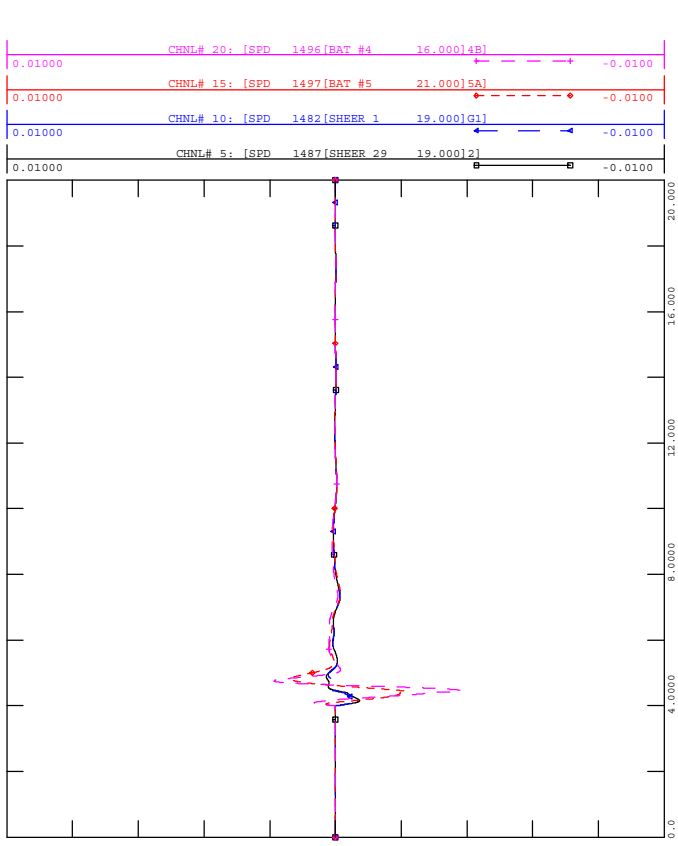


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o

MON, NOV 21 2016 13:37

MACHINE SPEED

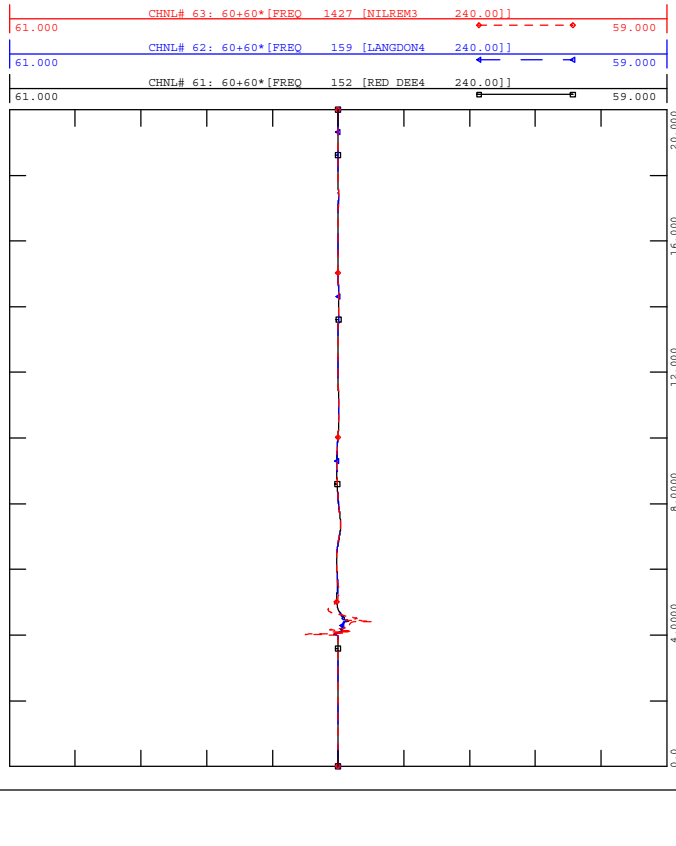


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o

MON, NOV 21 2016 13:37

FREQUENCY

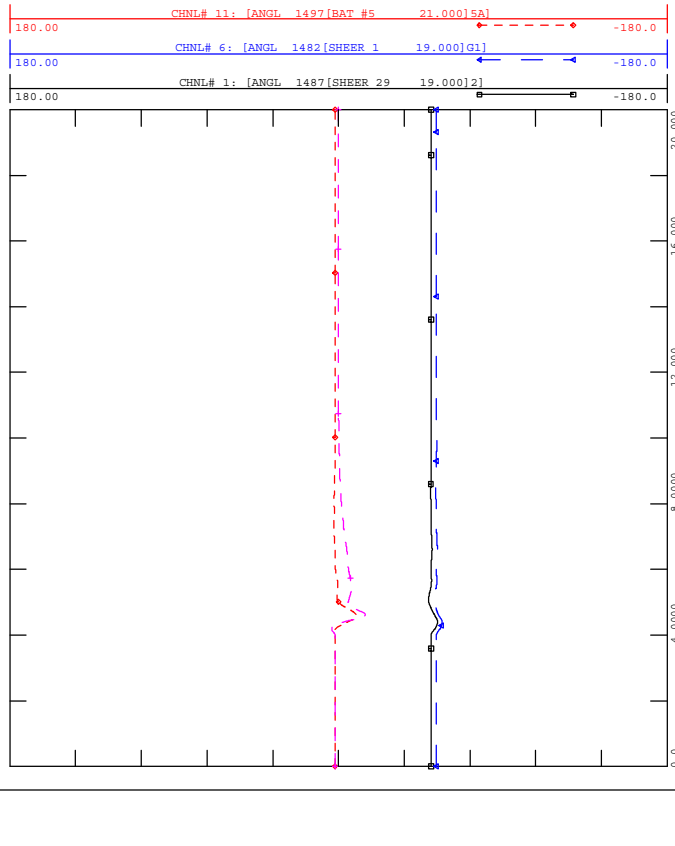


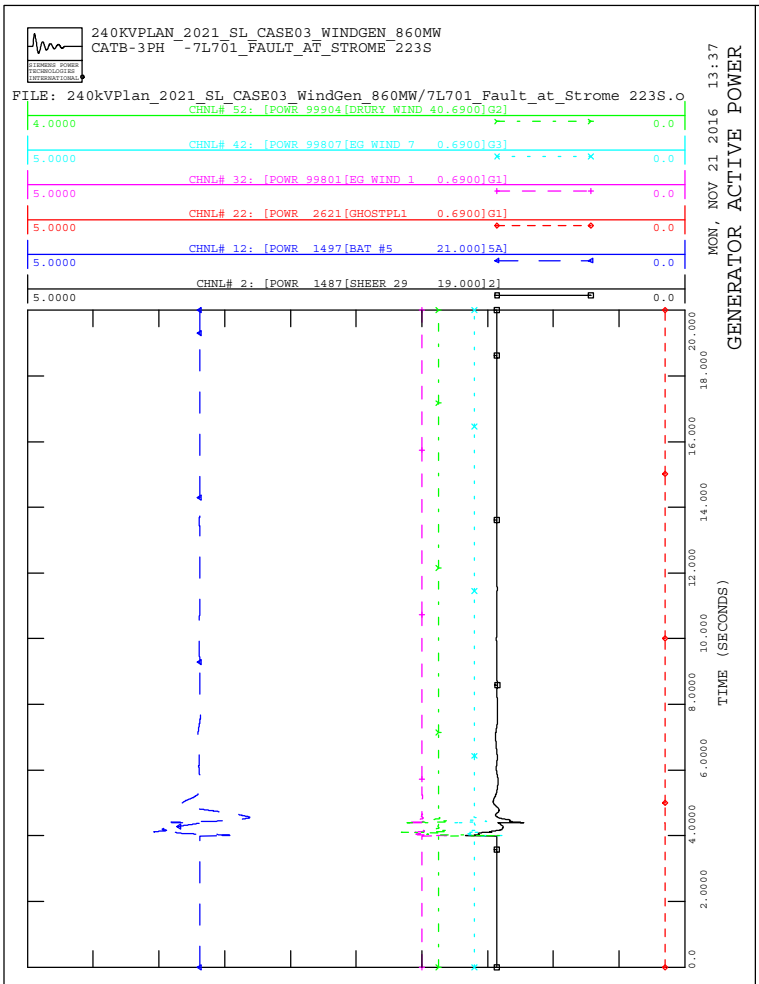
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

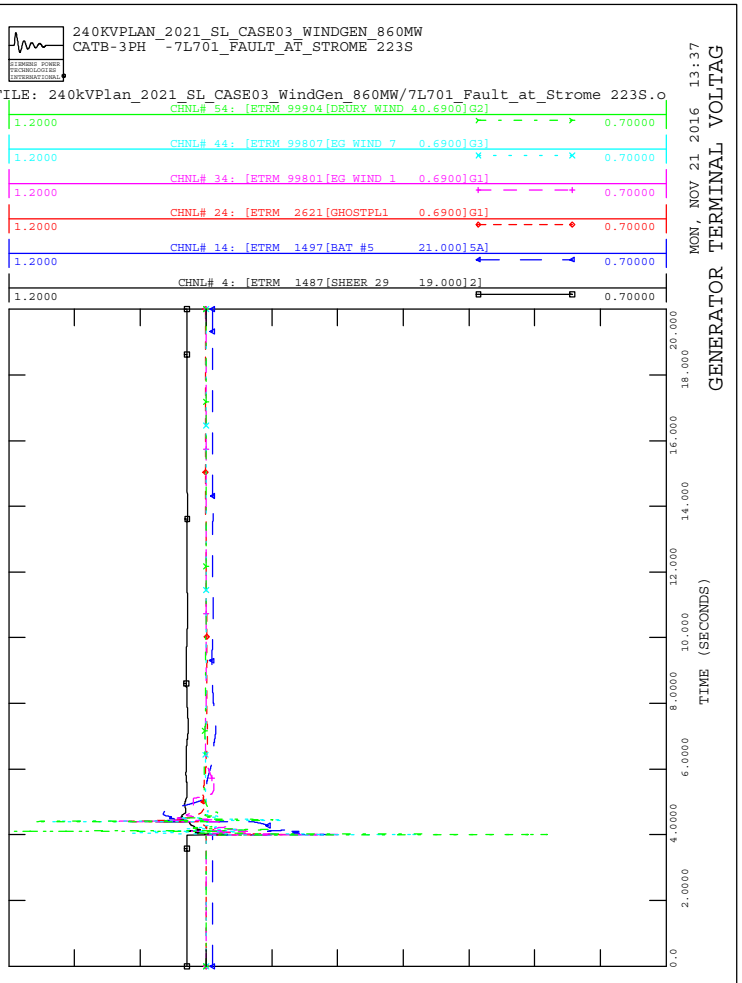
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o

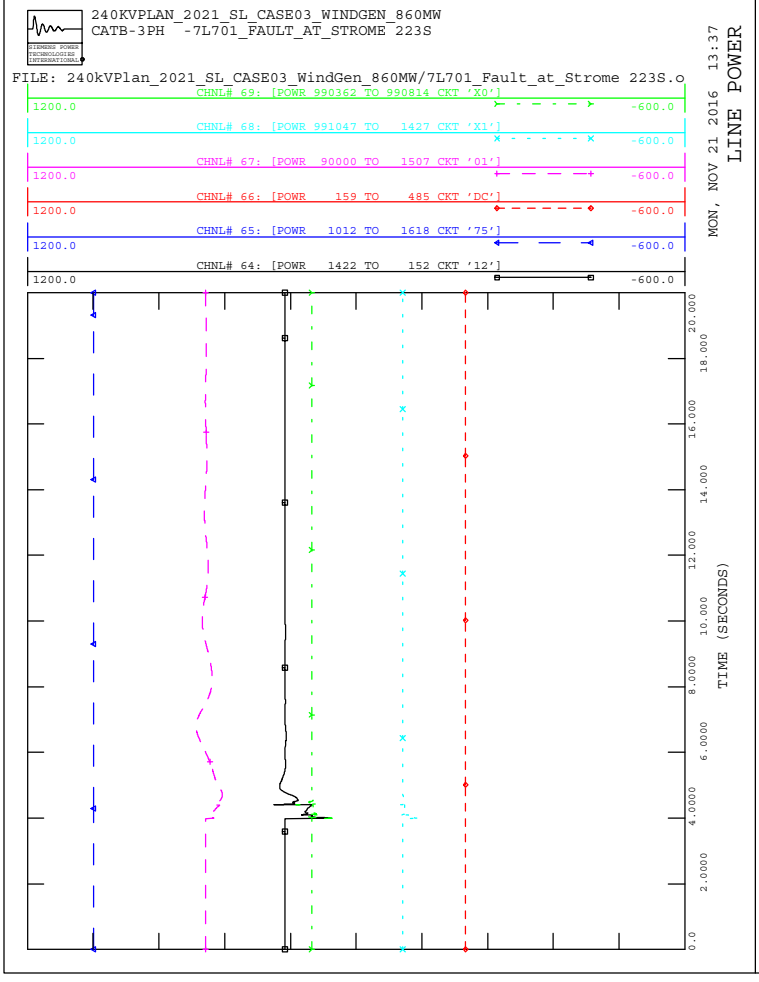
MON, NOV 21 2016 13:37

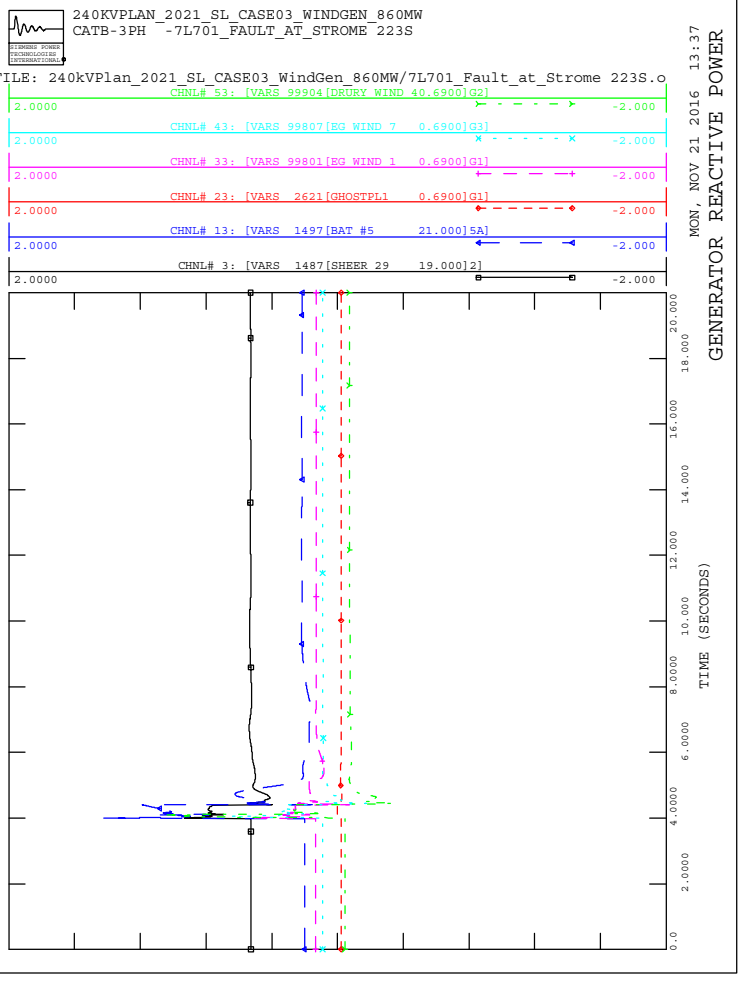
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

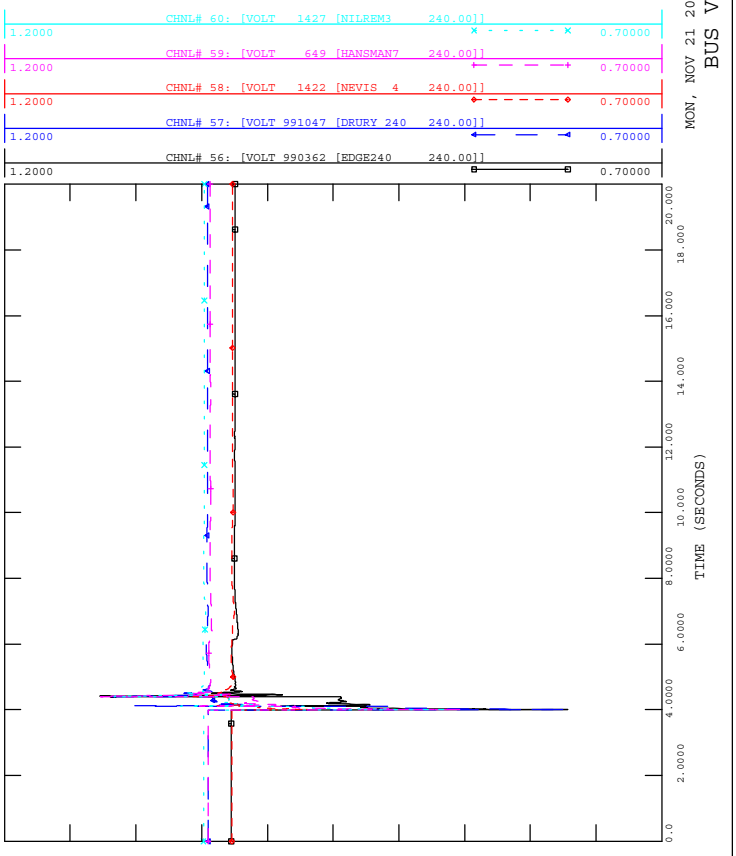

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 13:37

BUS VOLTAGE

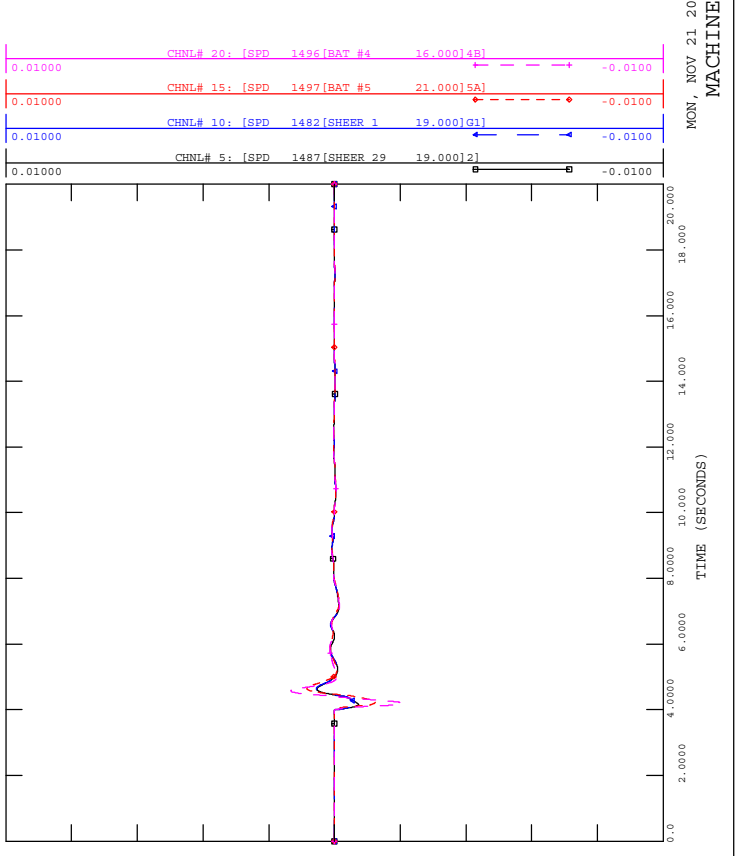


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 13:37

MACHINE SPEED

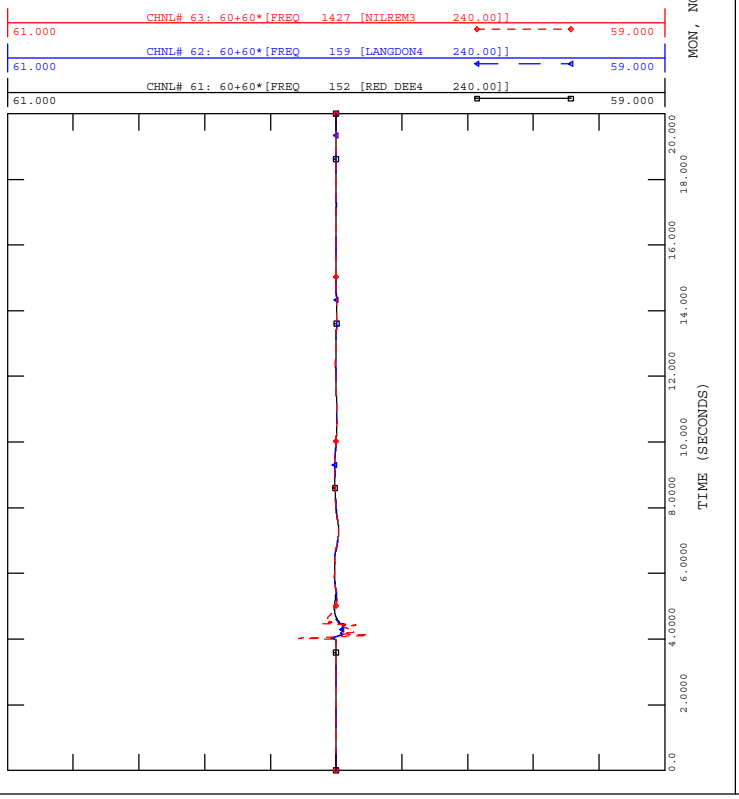


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 13:37

FREQUENCY

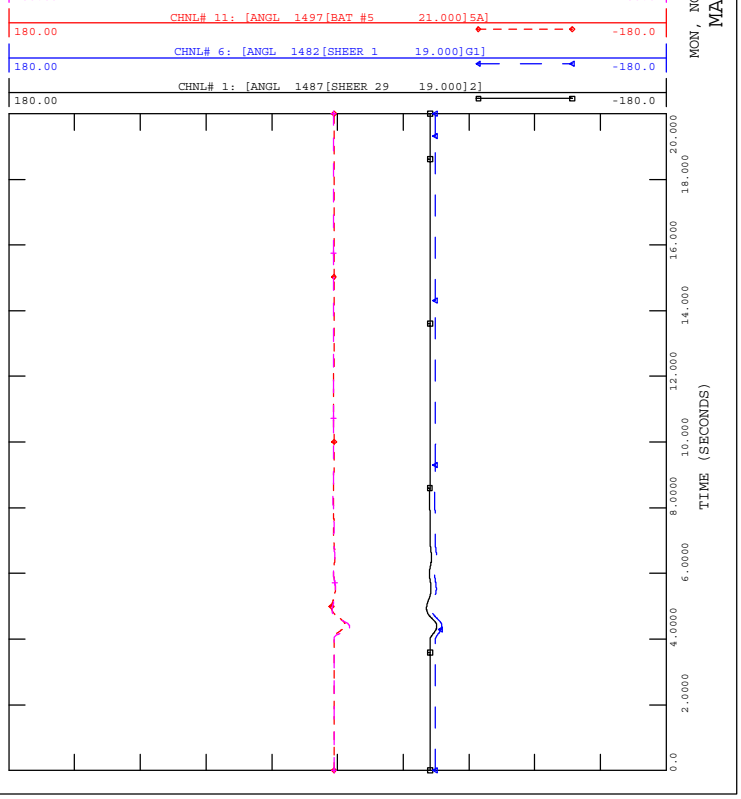


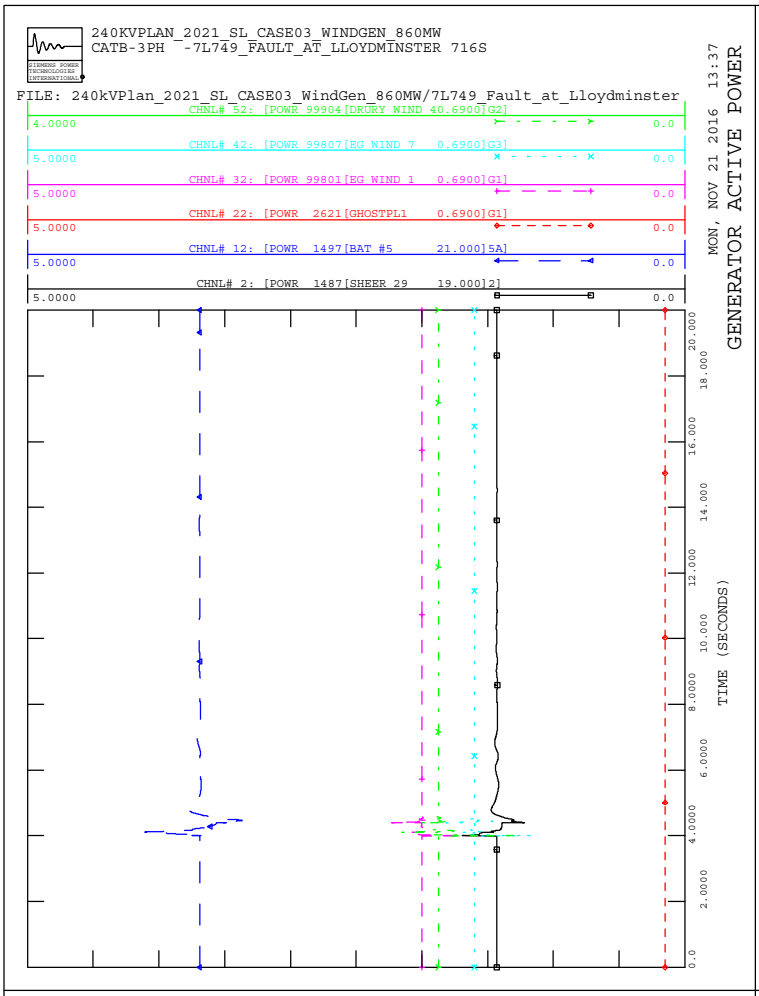
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

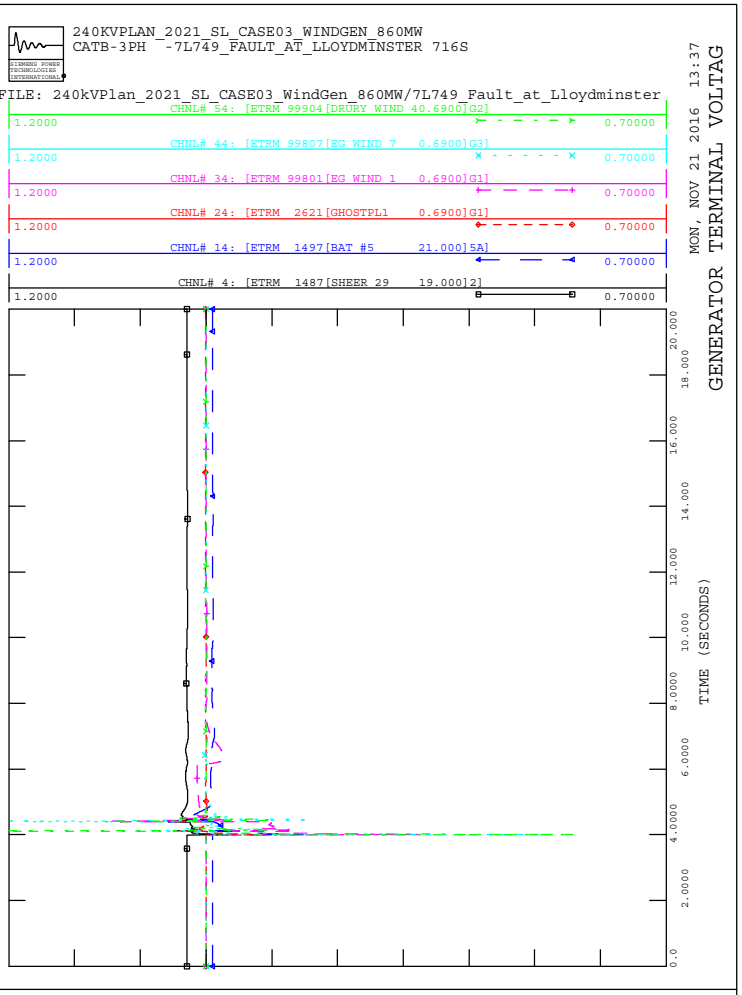
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster

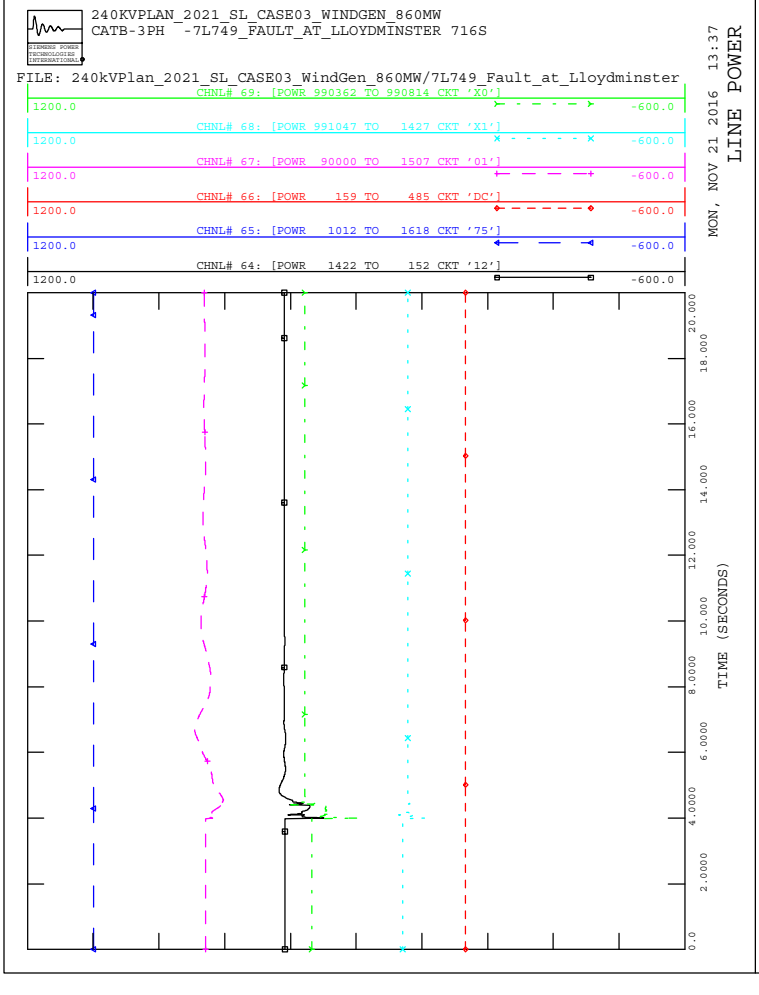
MON, NOV 21 2016 13:37

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)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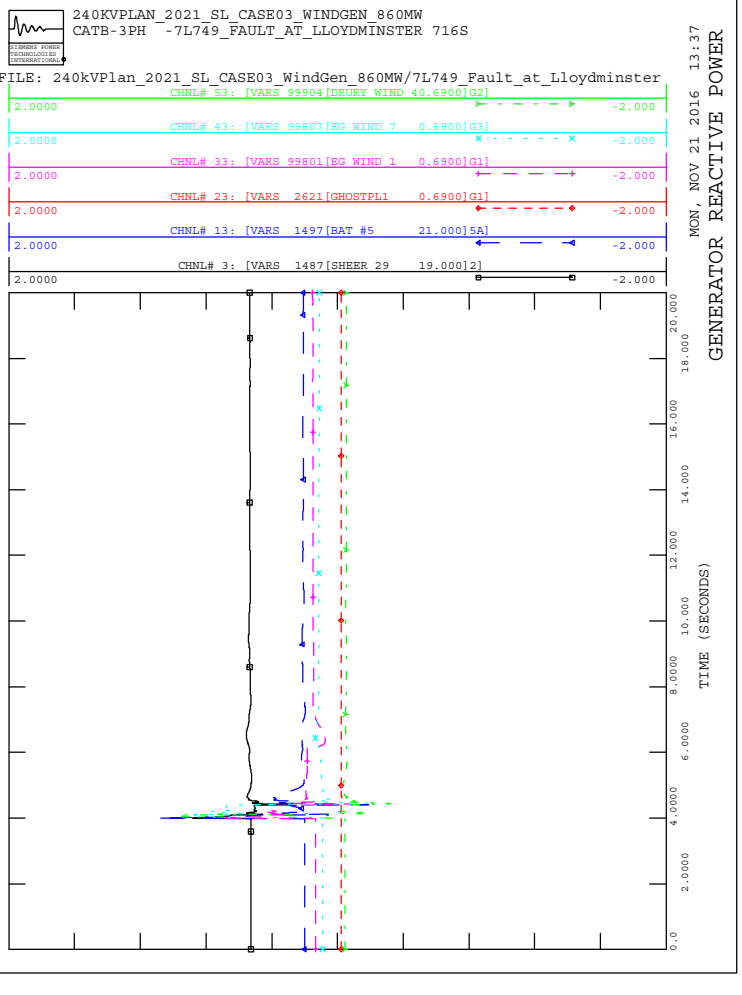
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)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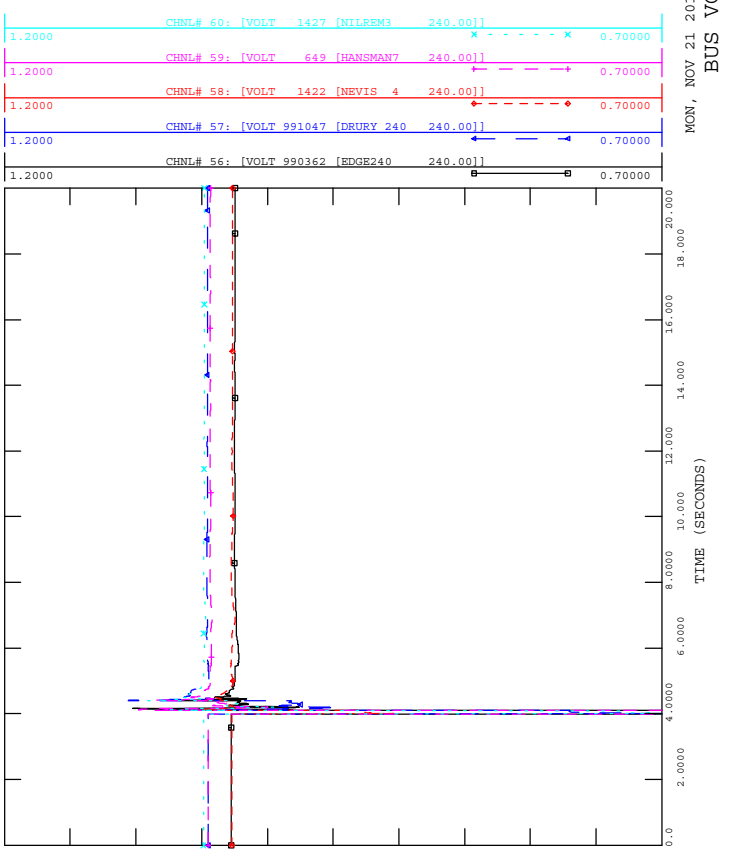
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 13:37

BUS VOLTAGE

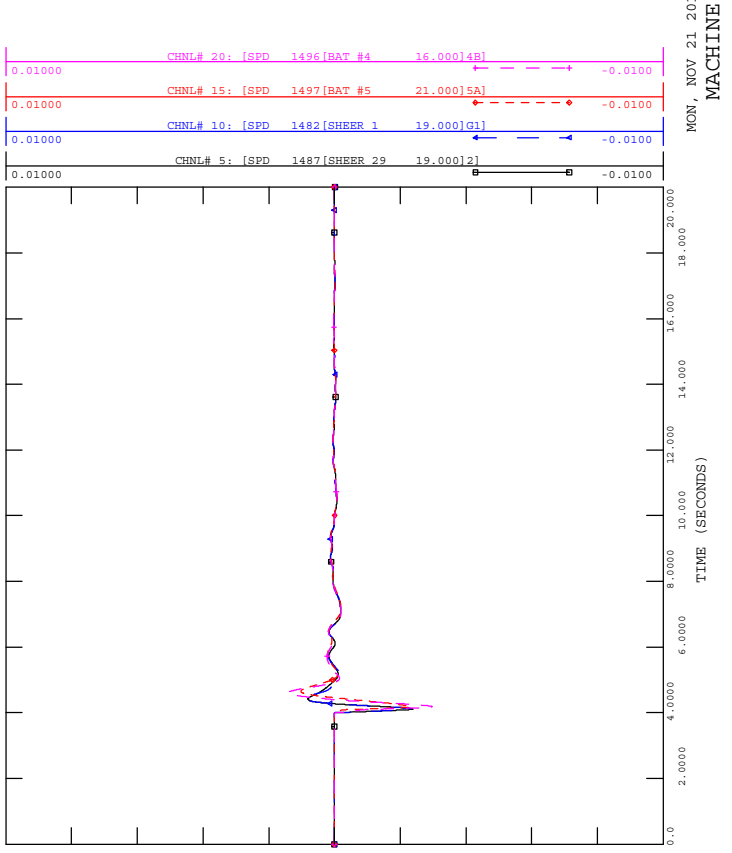


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 13:37

MACHINE SPEED

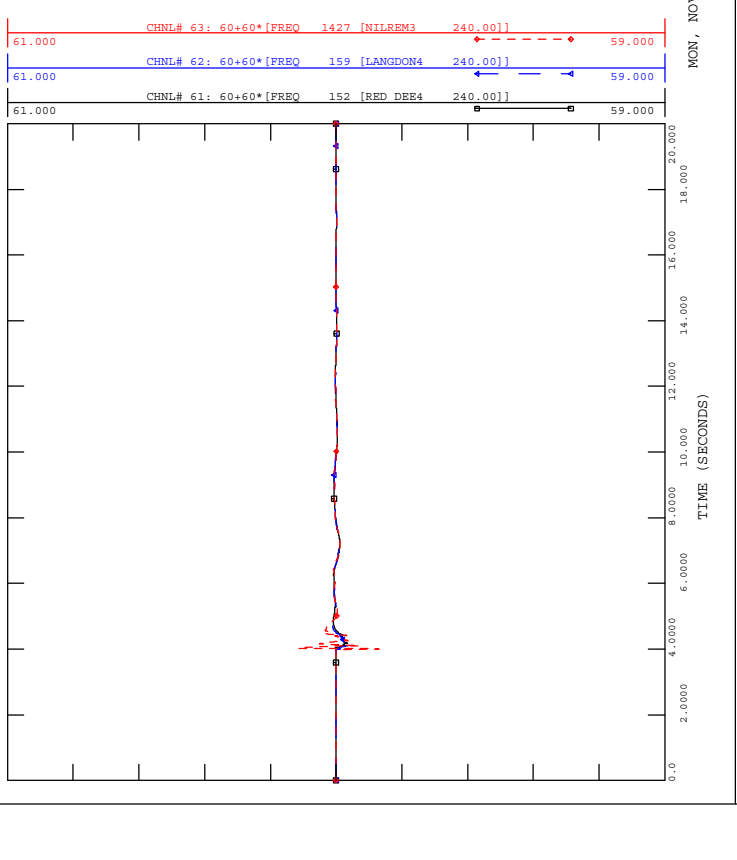


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 13:37

FREQUENCY

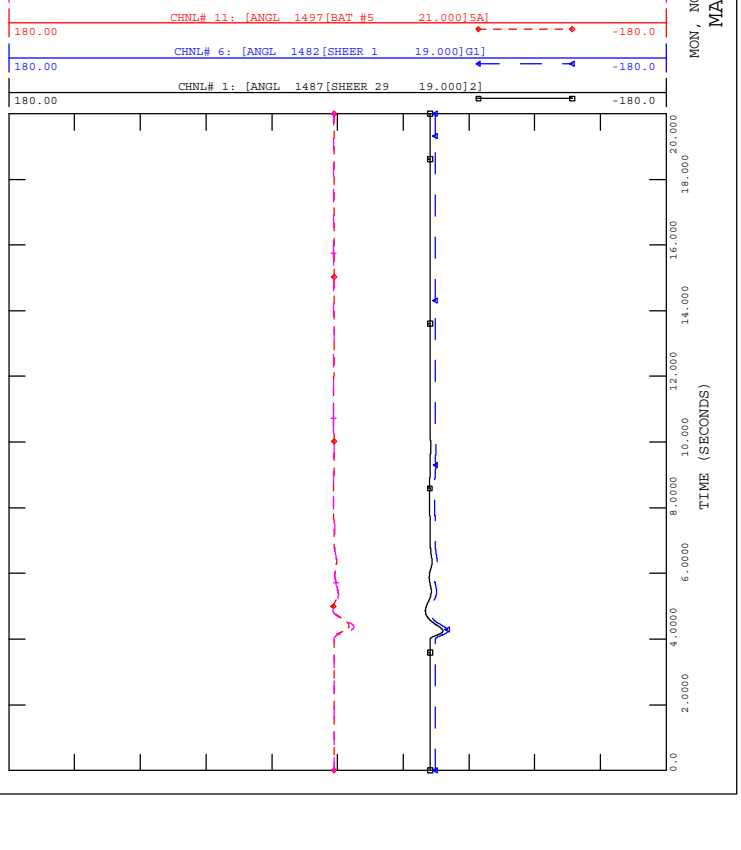


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 13:37

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

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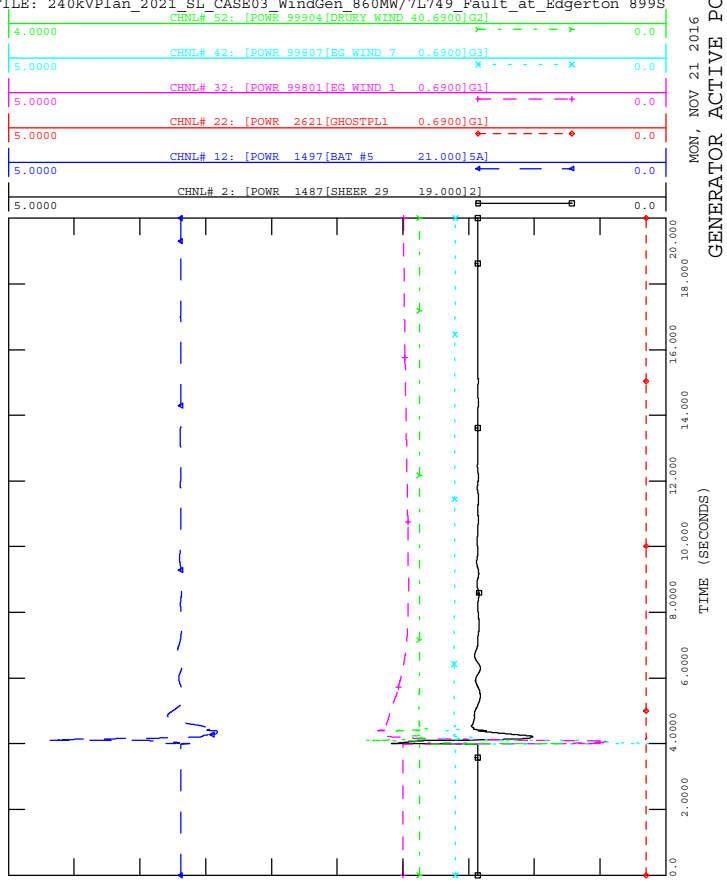
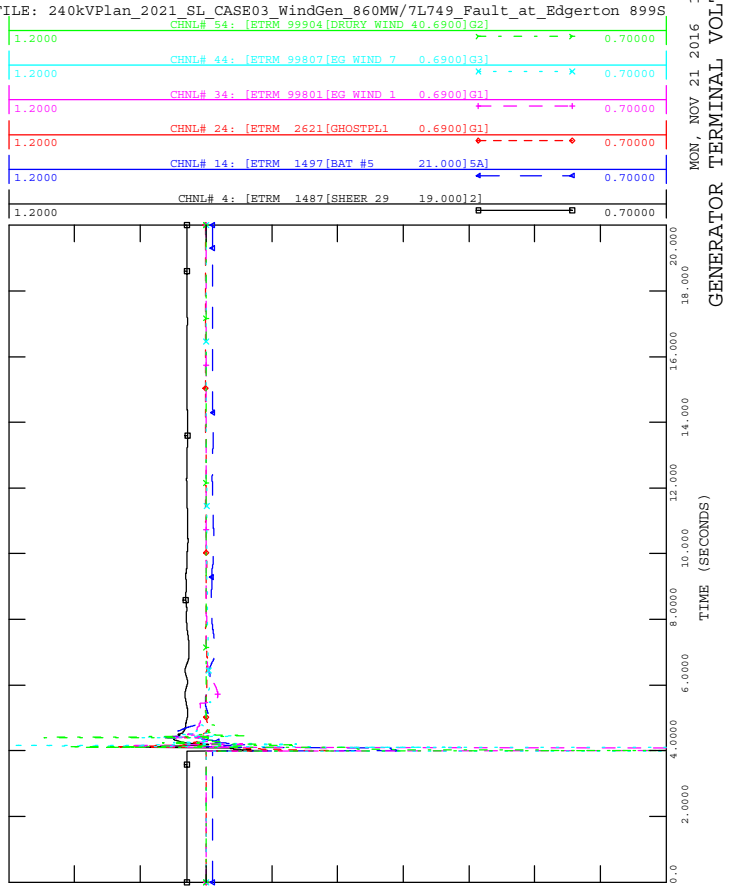


MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

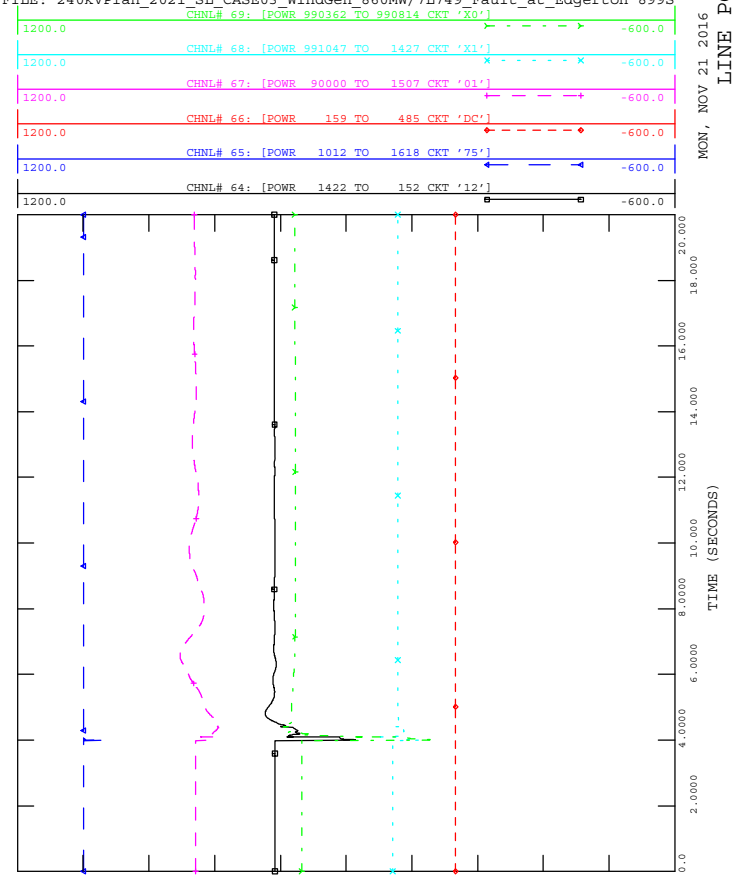
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S



MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

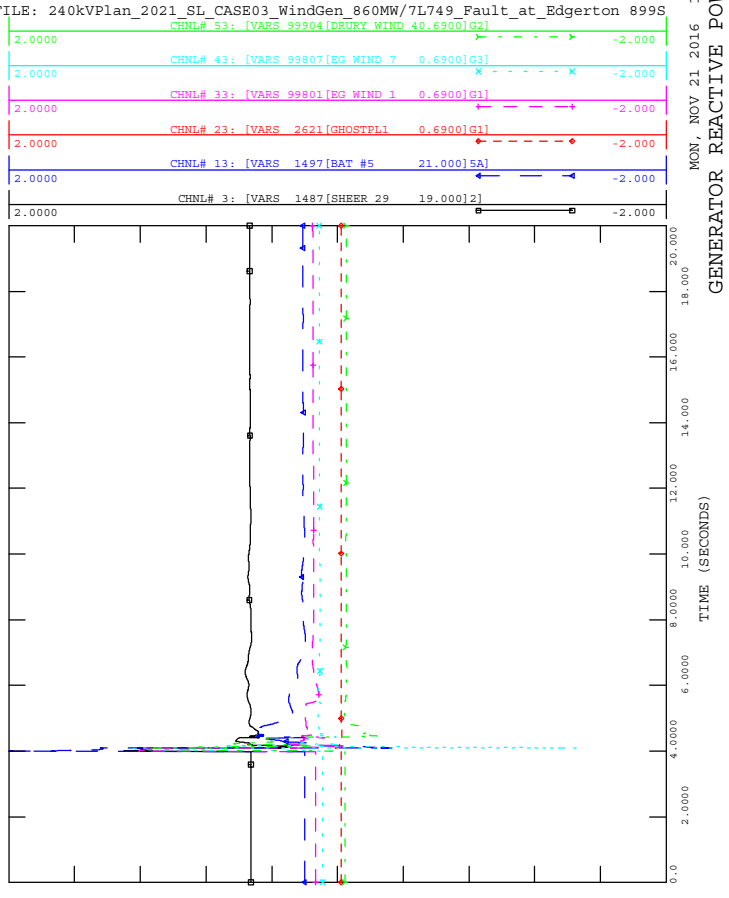
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S



MON, NOV 21 2016 13:37
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S



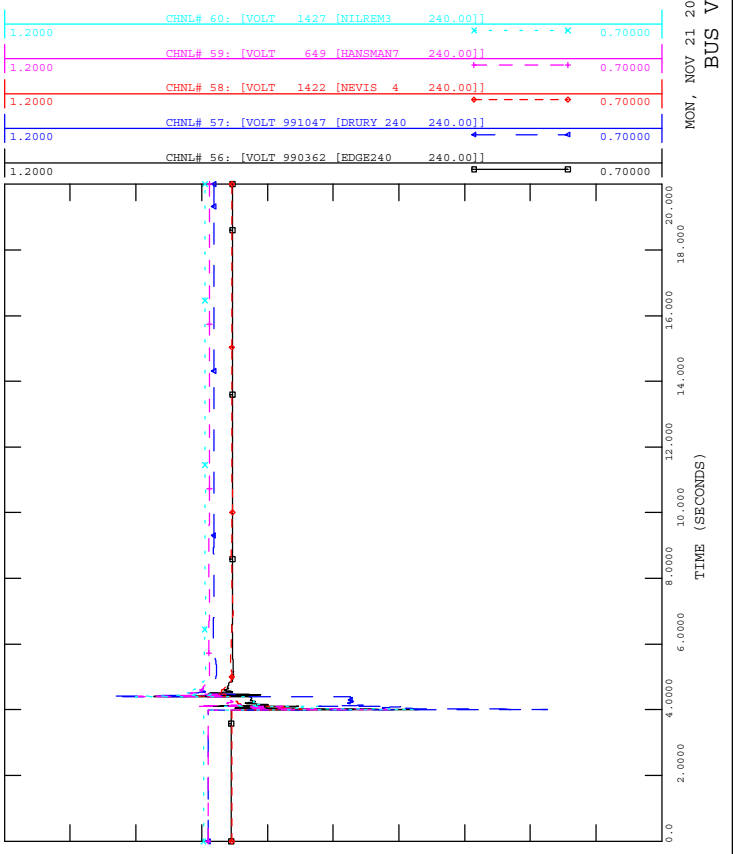
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3

MON, NOV 21 2016 13:37

BUS VOLTAGE

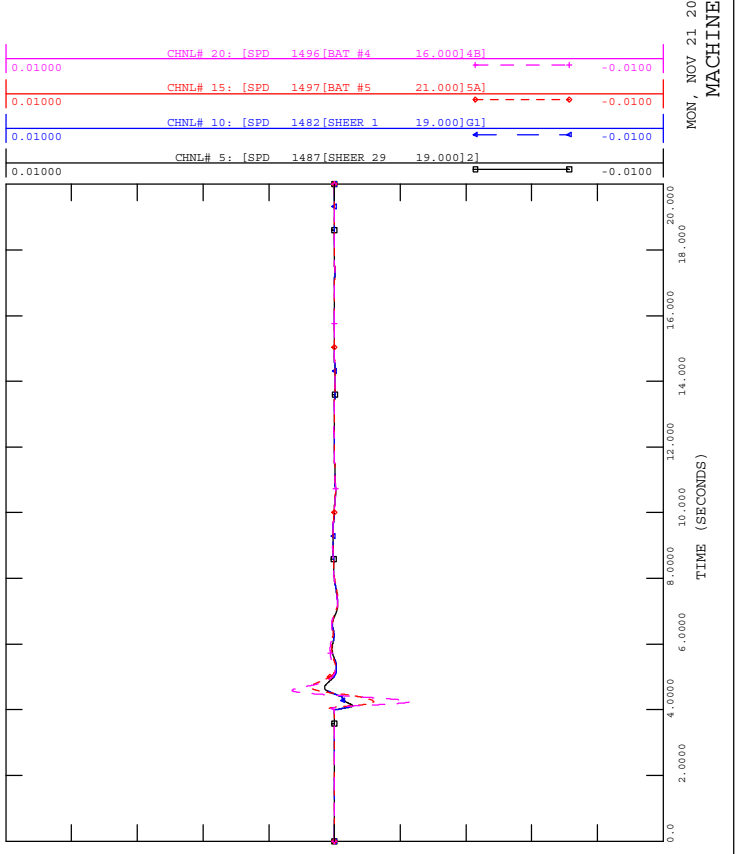


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3

MON, NOV 21 2016 13:37

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3

MON, NOV 21 2016 13:37

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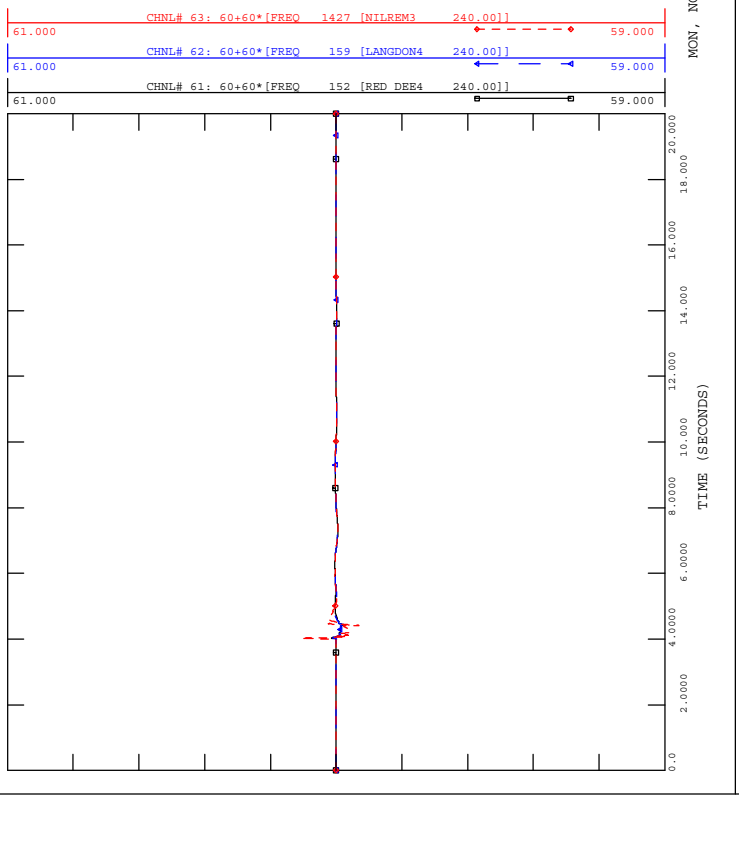

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

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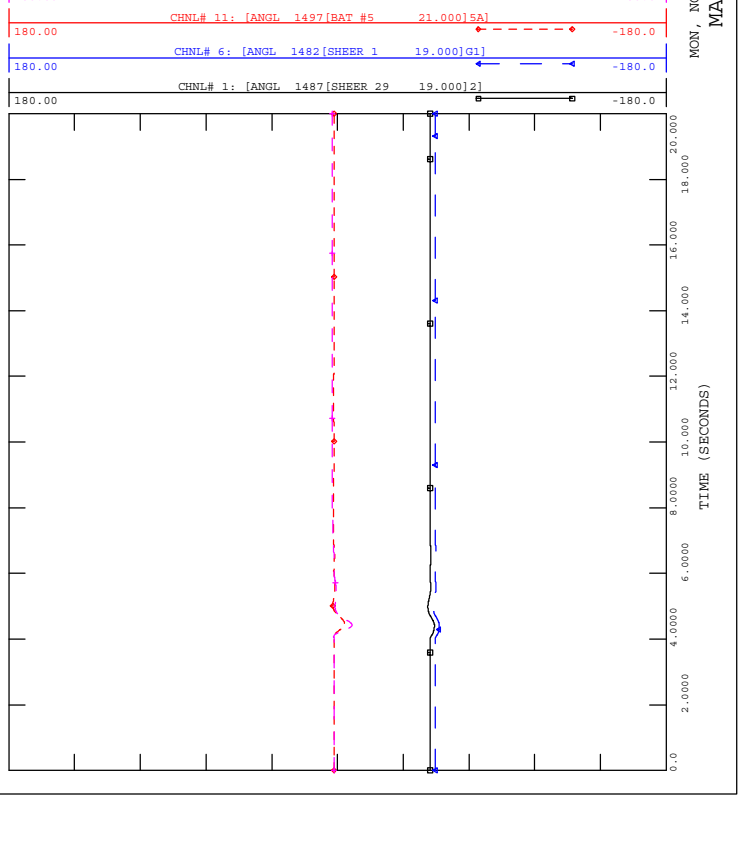
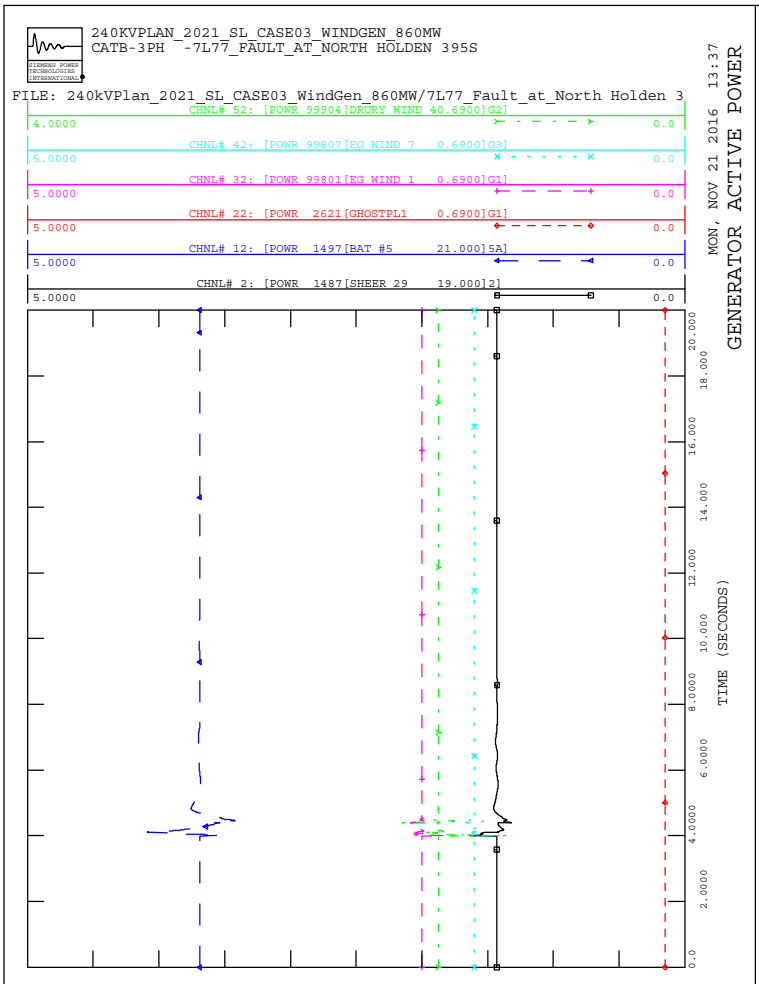
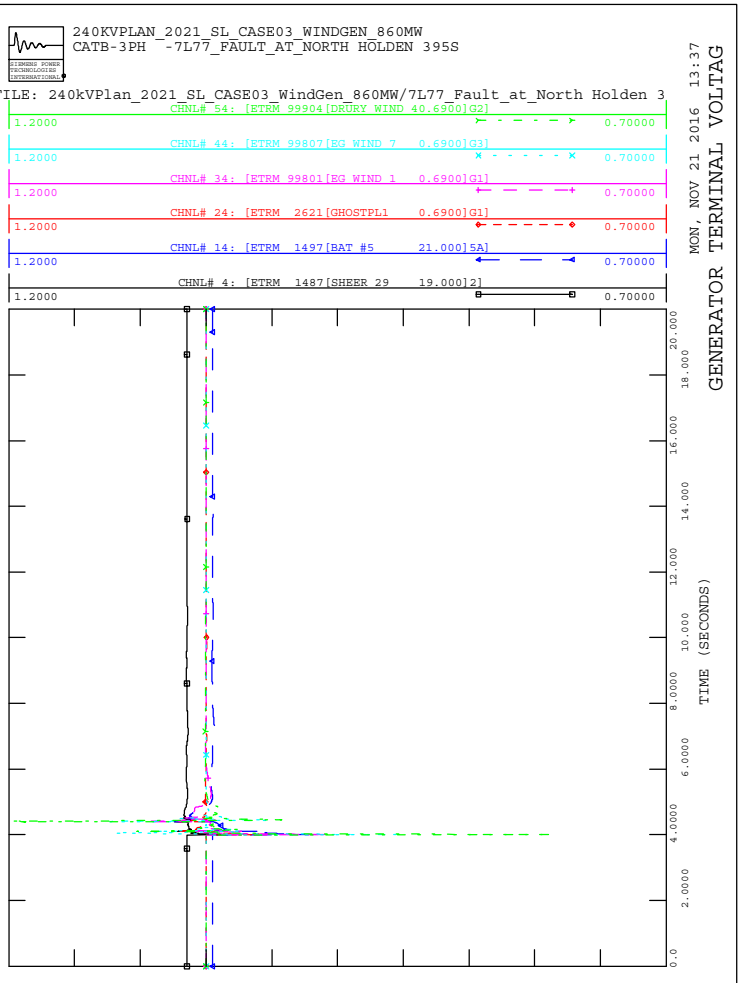
MON, NOV 21 2016 13:37

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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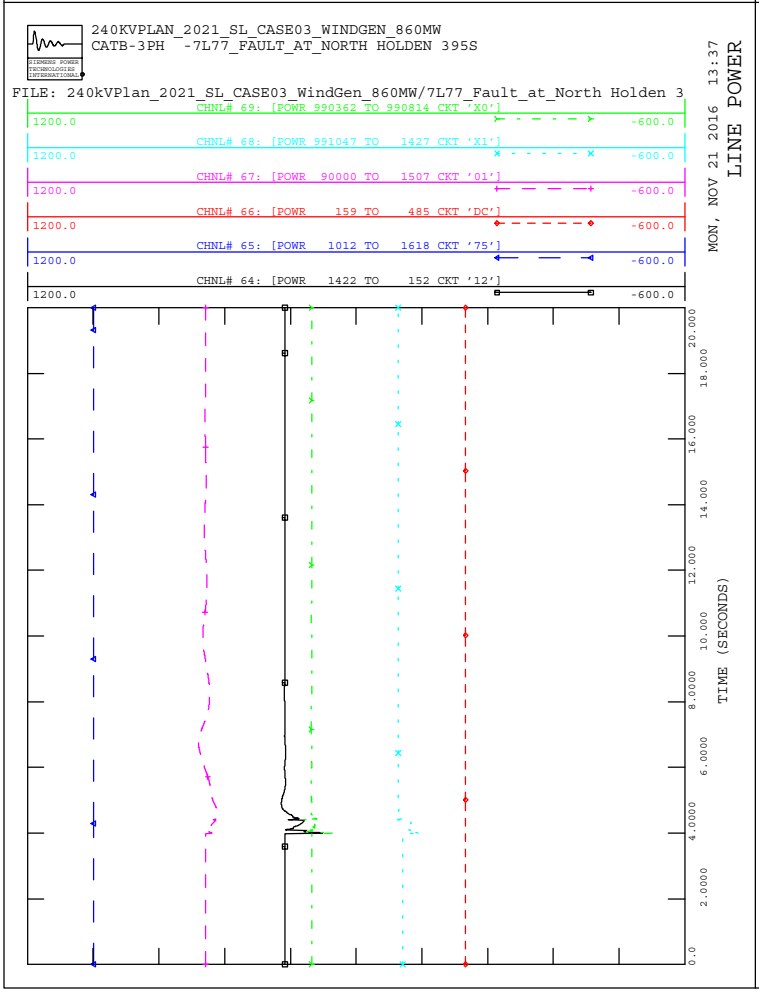
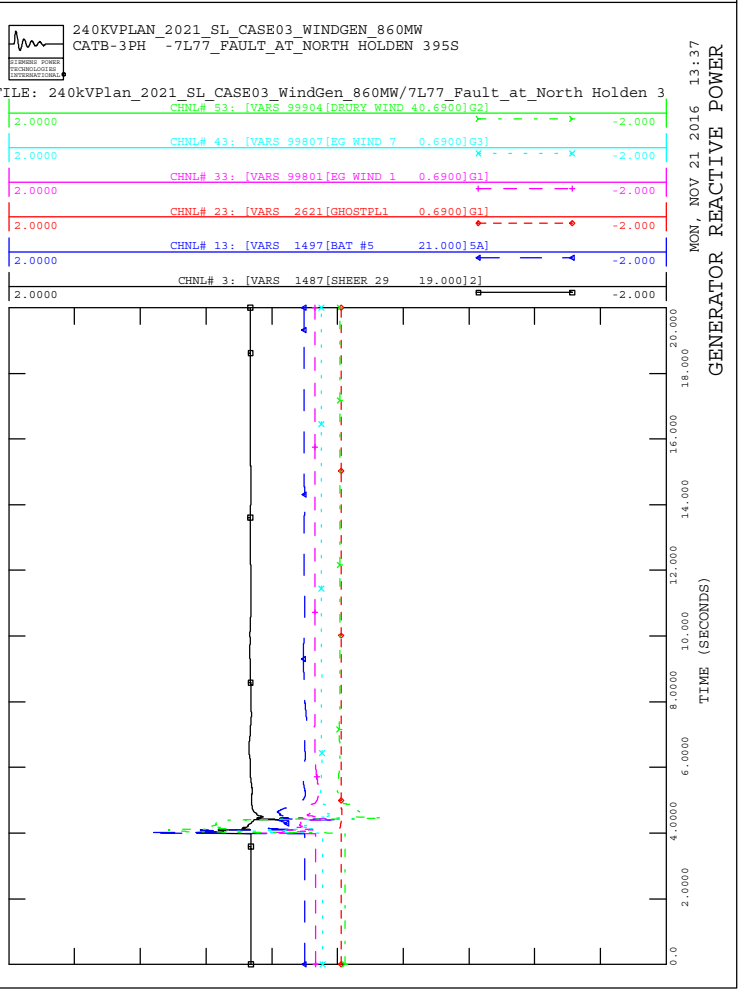
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:37
LINE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
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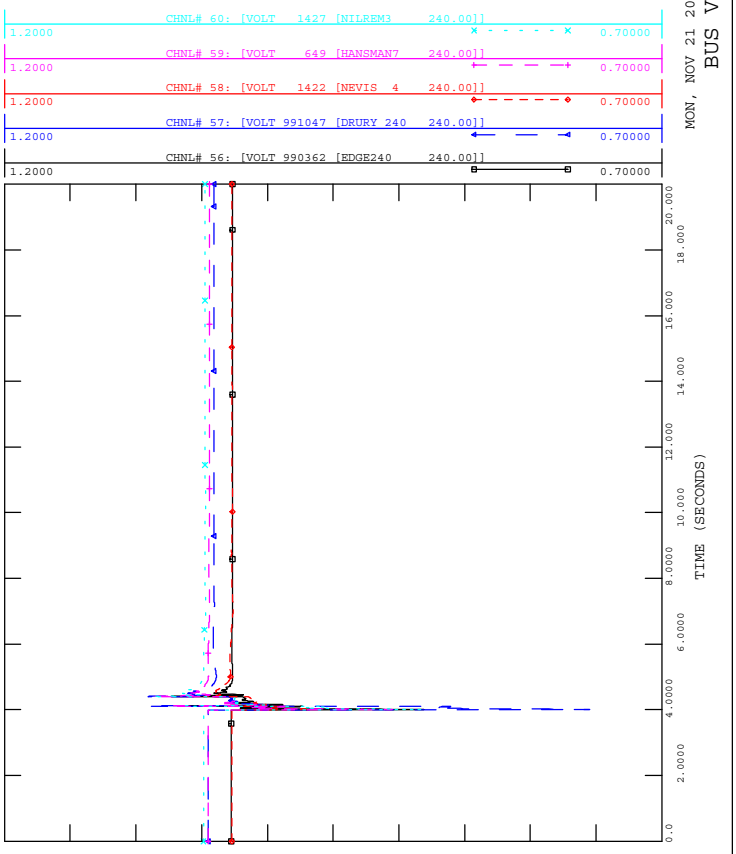
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 13:37

BUS VOLTAGE

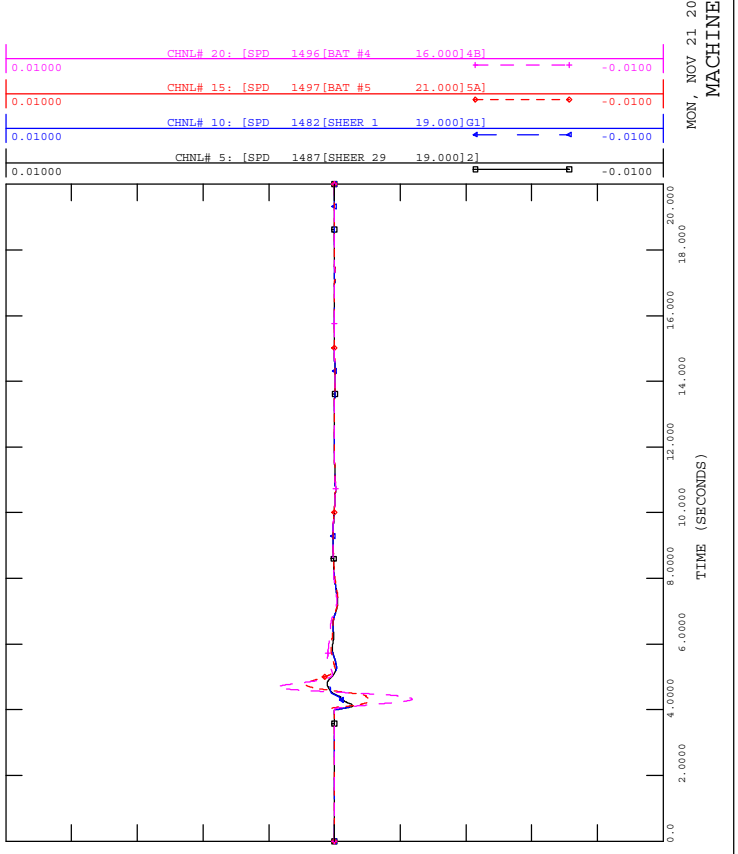


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 13:37

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709

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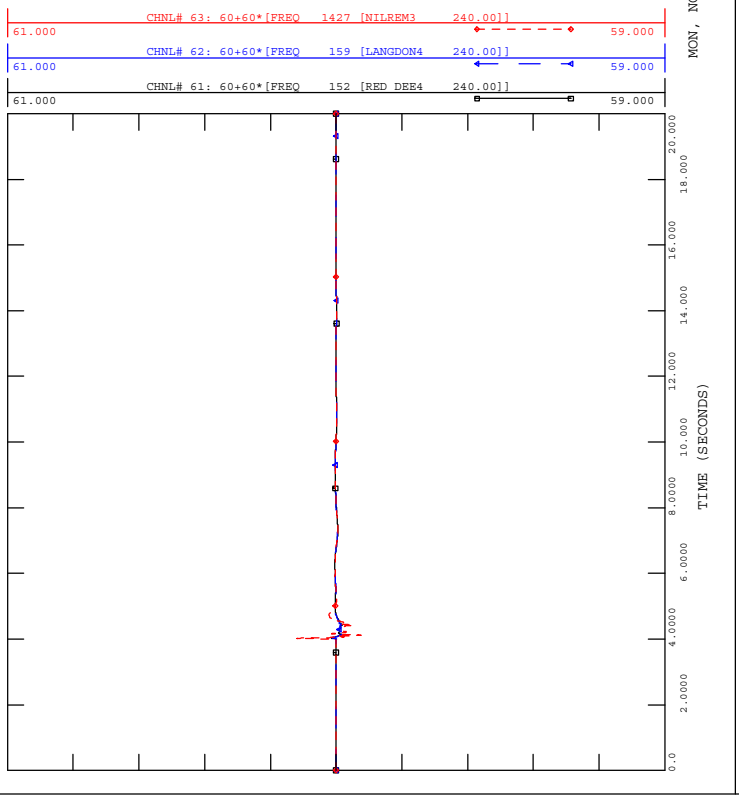
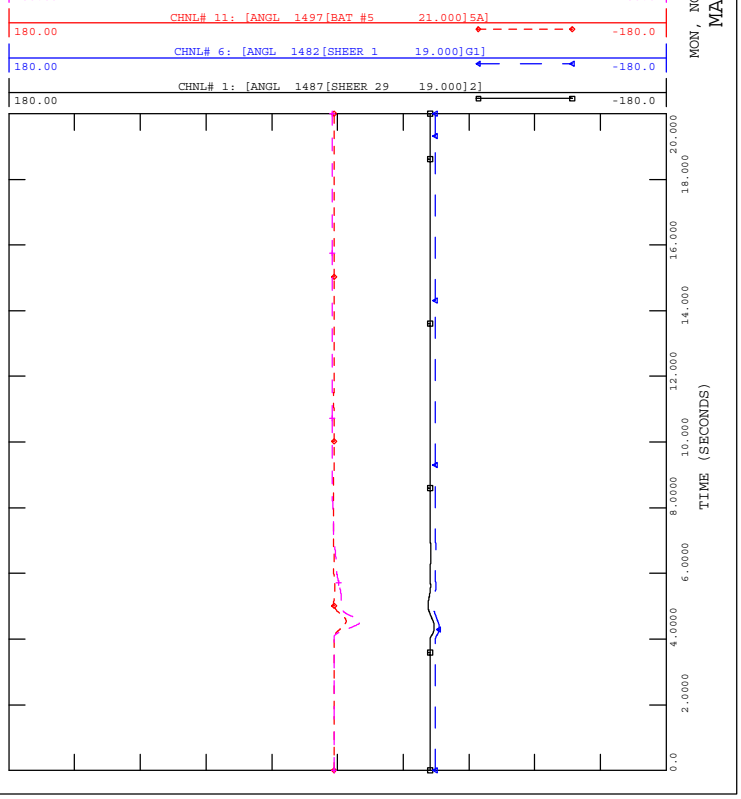


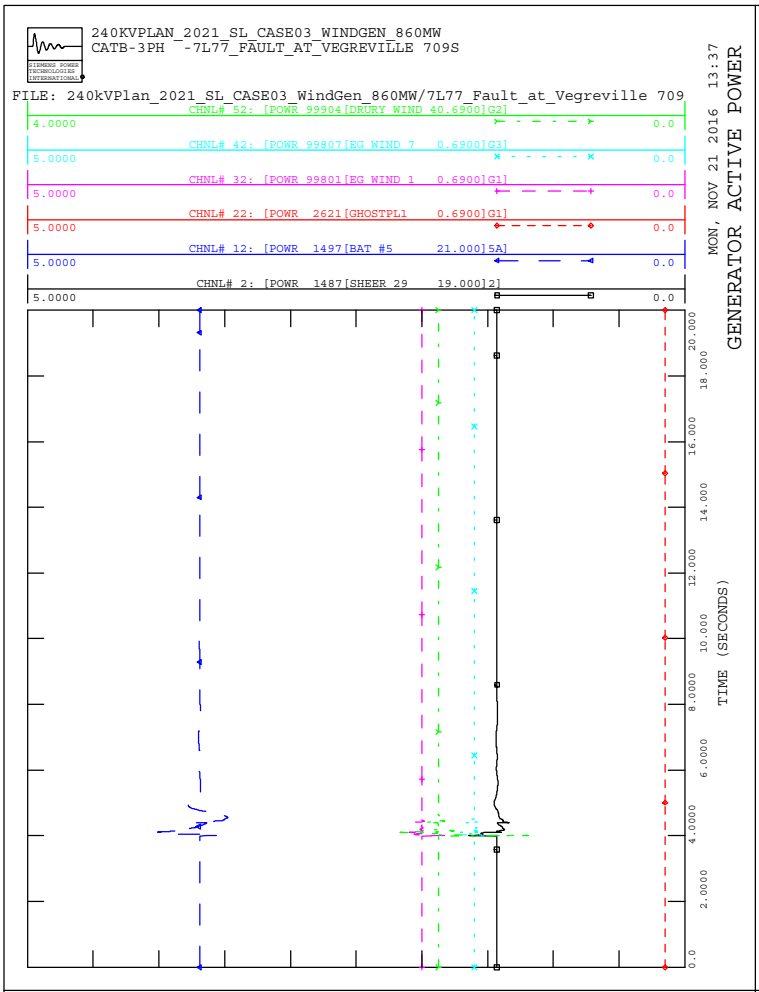
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 13:37

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
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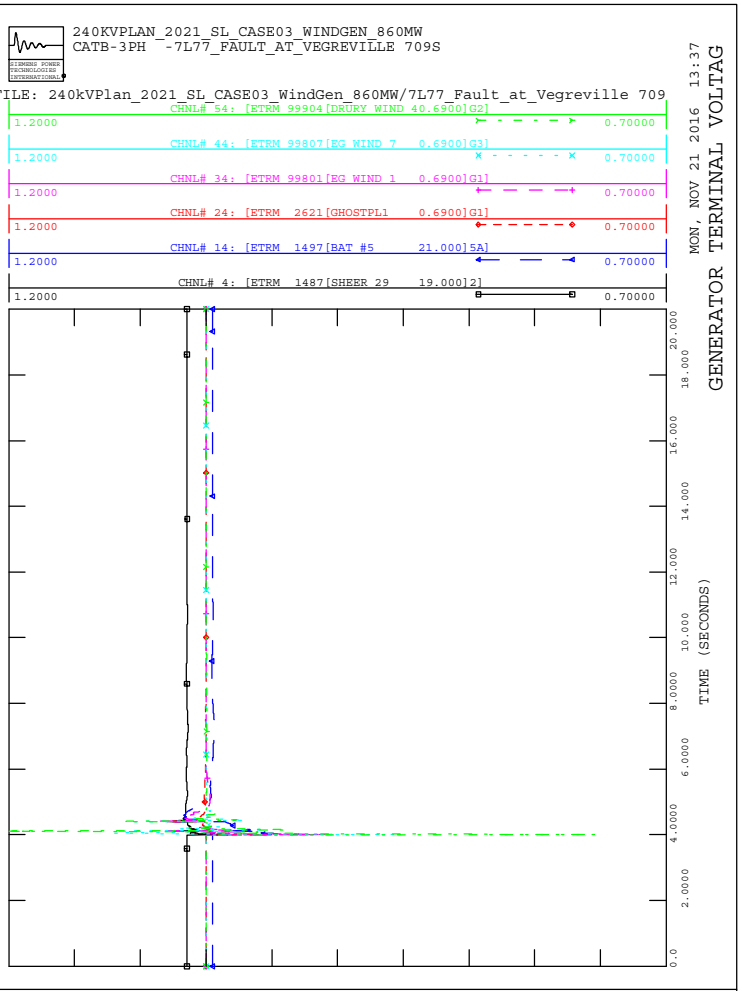
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)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CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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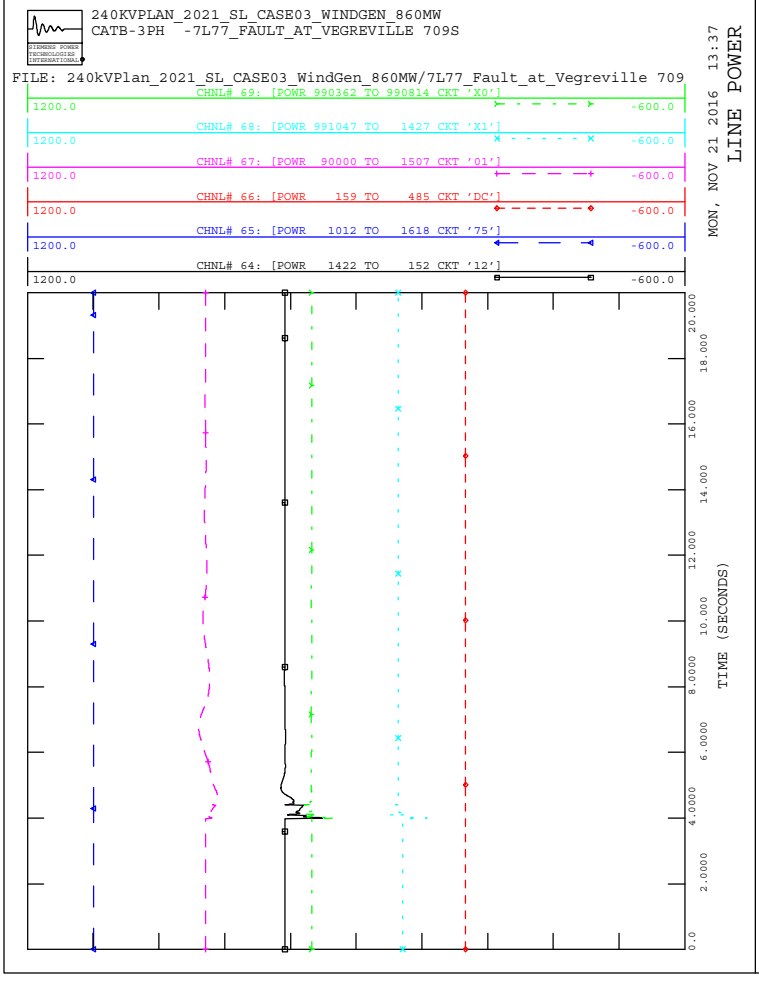
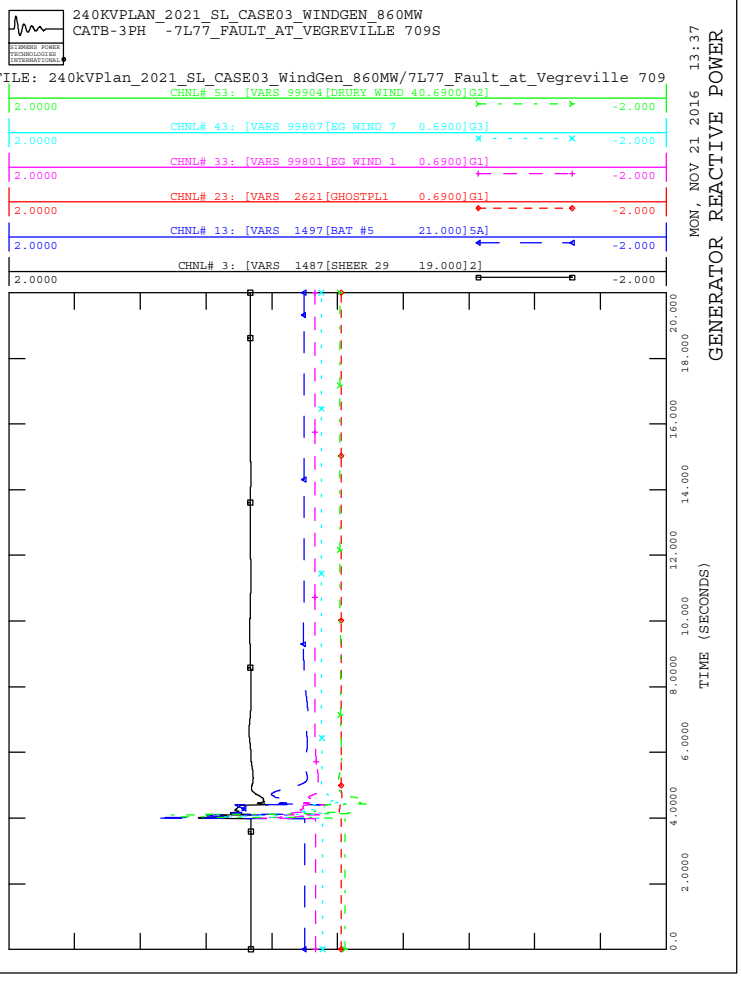
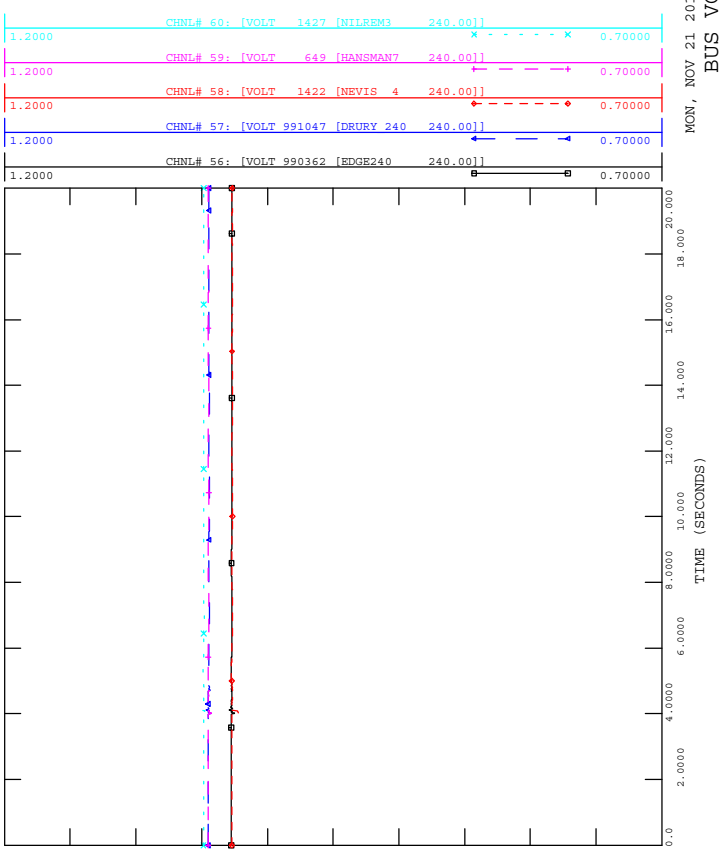
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

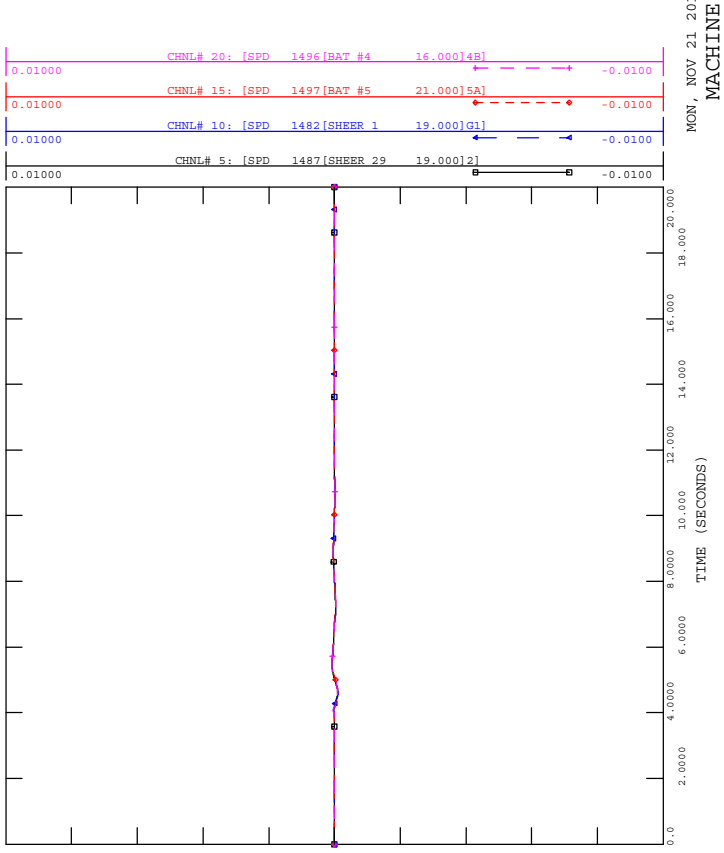


MON, NOV 21 2016 13:37

BUS VOLTAGE

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

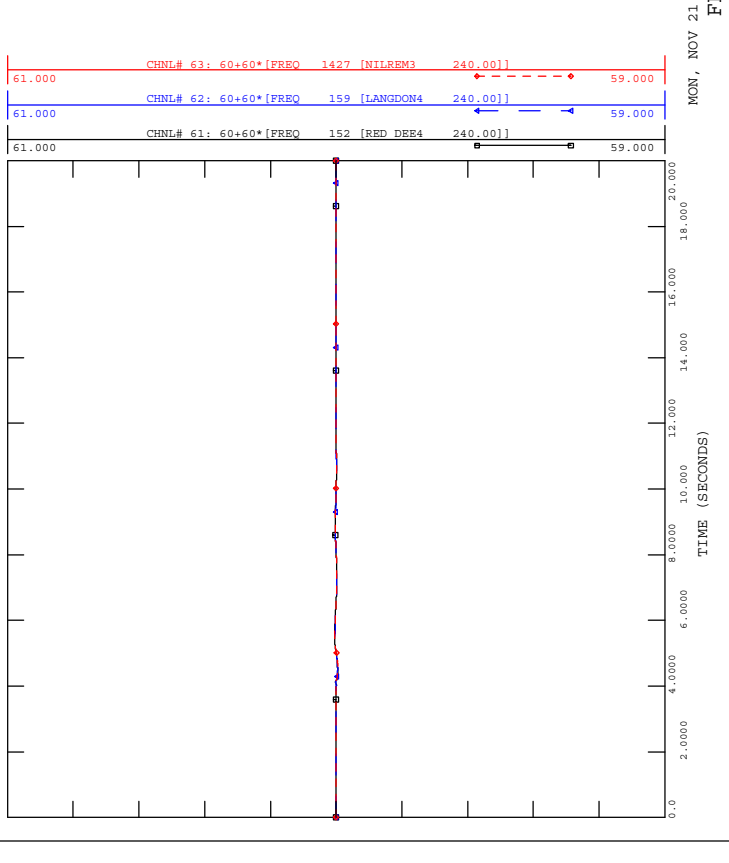


MON, NOV 21 2016 13:37

MACHINE SPEED

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

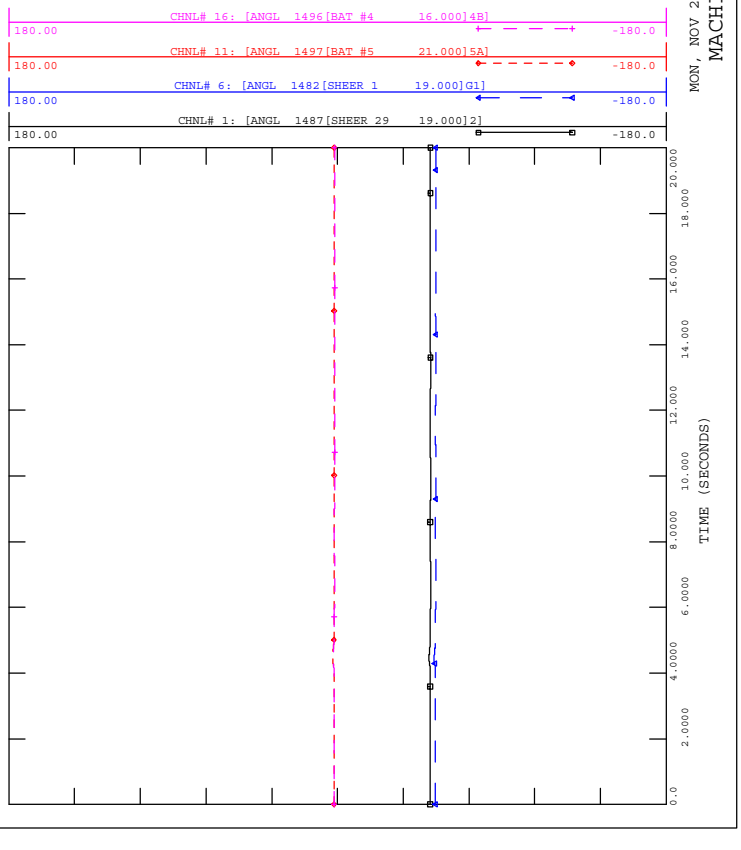


MON, NOV 21 2016 13:37

FREQUENCY

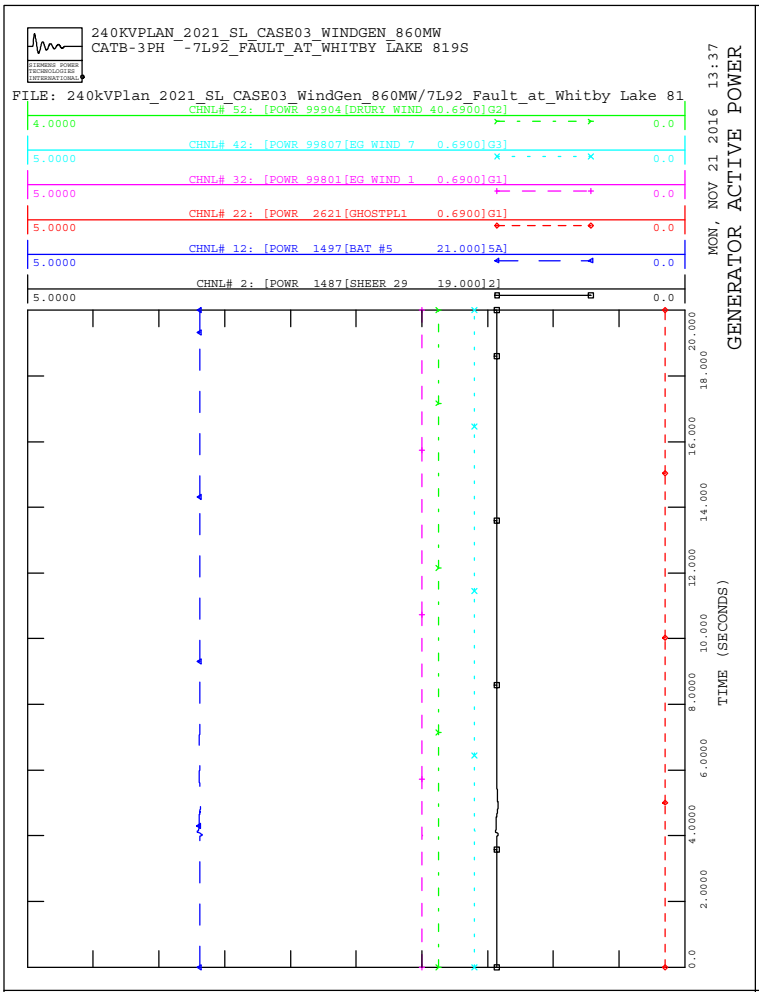
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

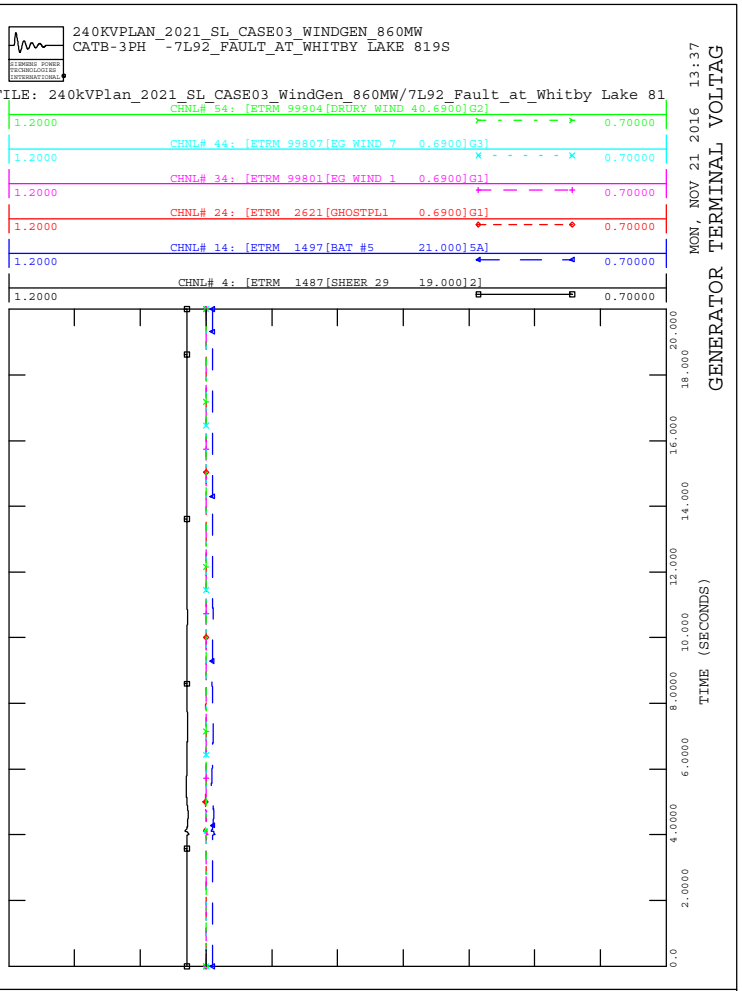
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

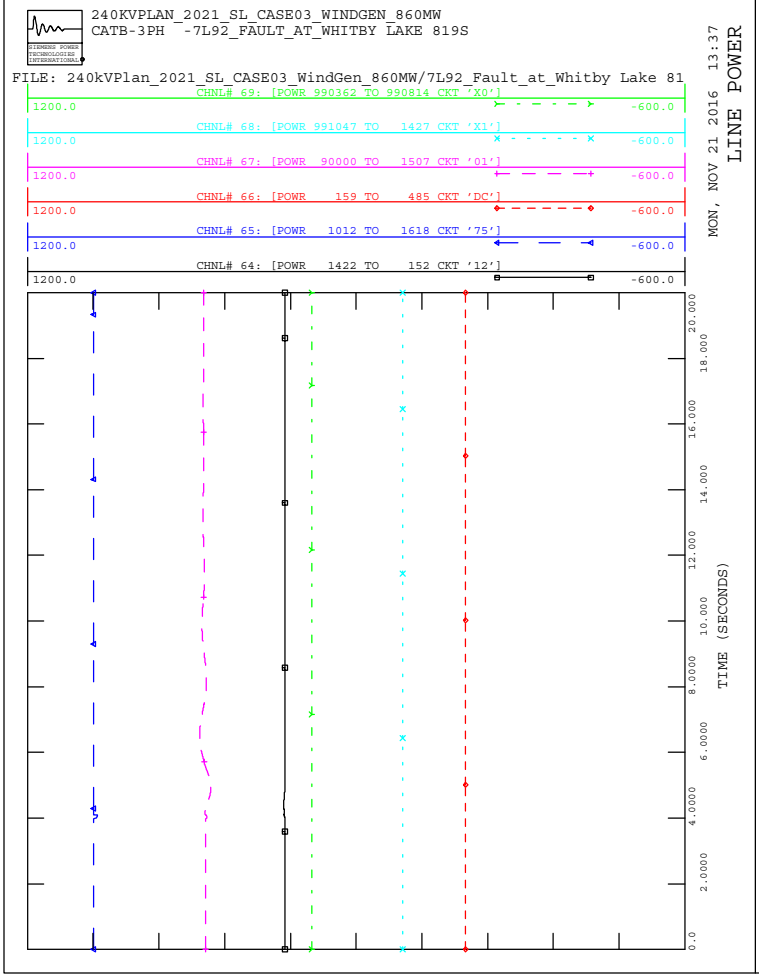


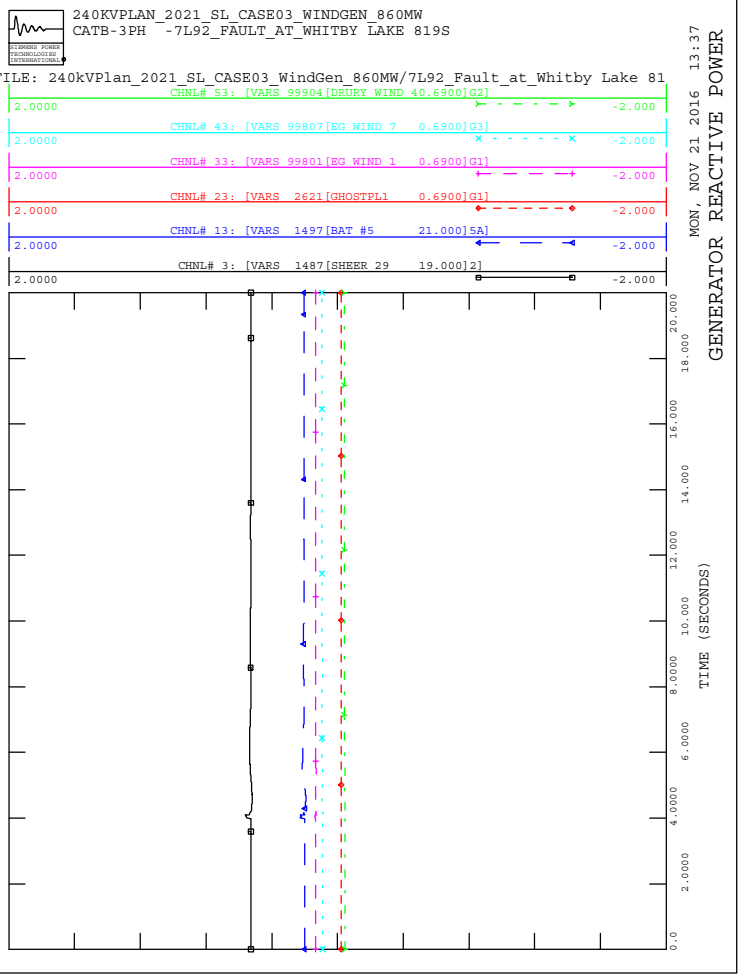
MON, NOV 21 2016 13:37

MACHINE ANGEL


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81
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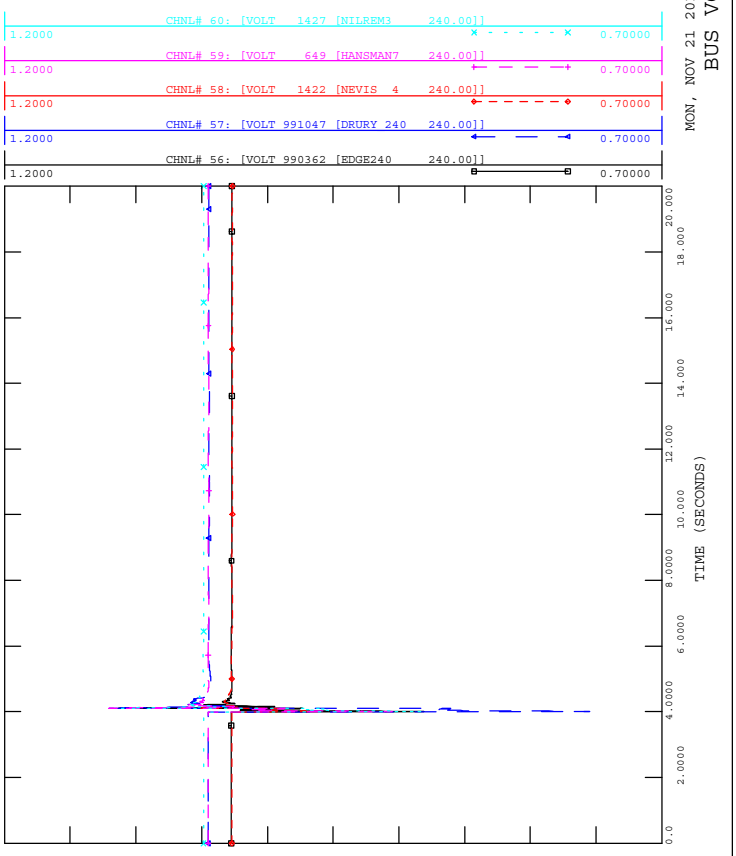
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 13:37

BUS VOLTAGE

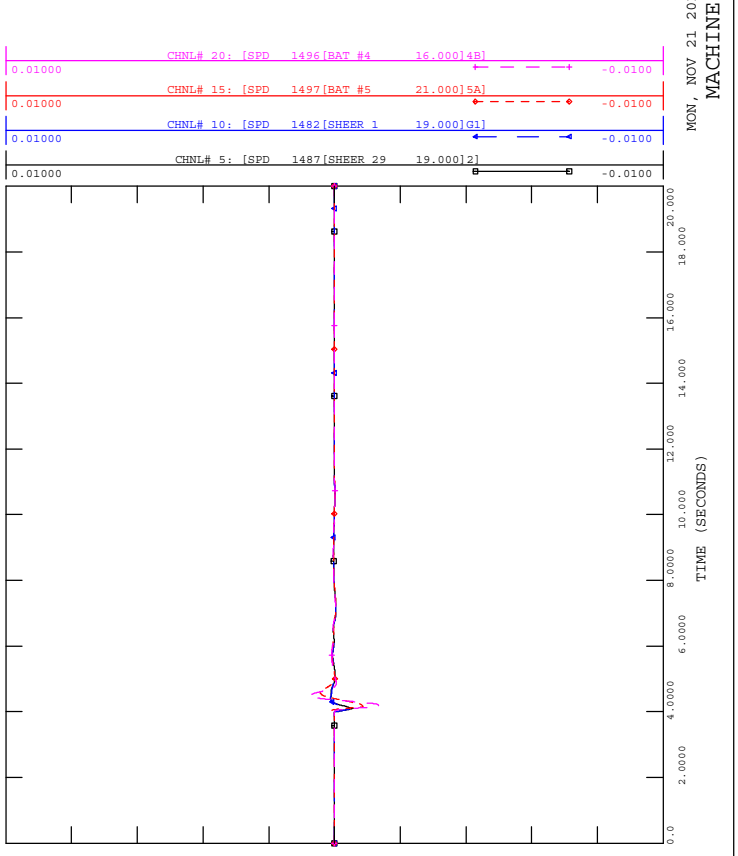


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 13:37

MACHINE SPEED

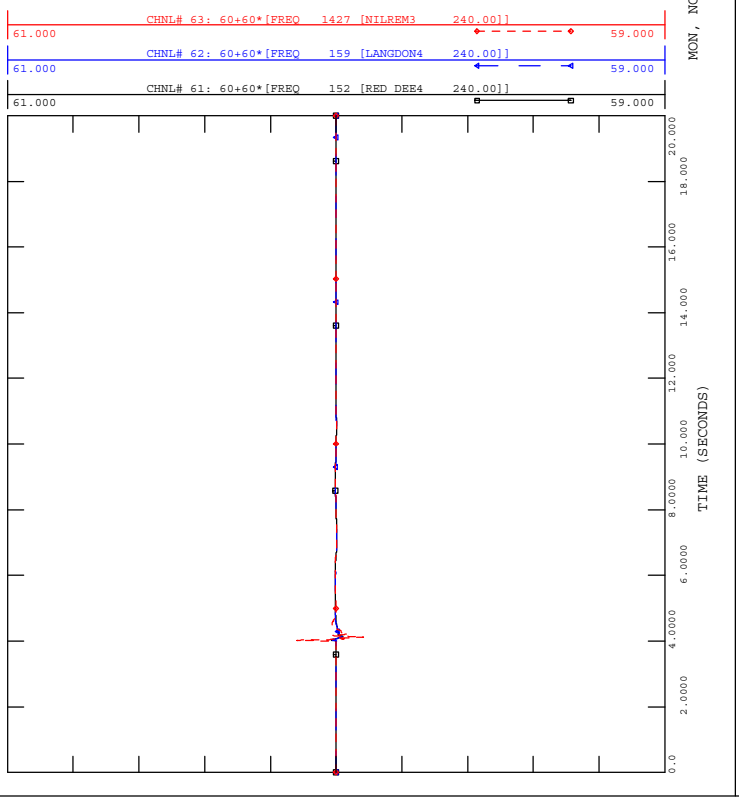


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 13:37

FREQUENCY

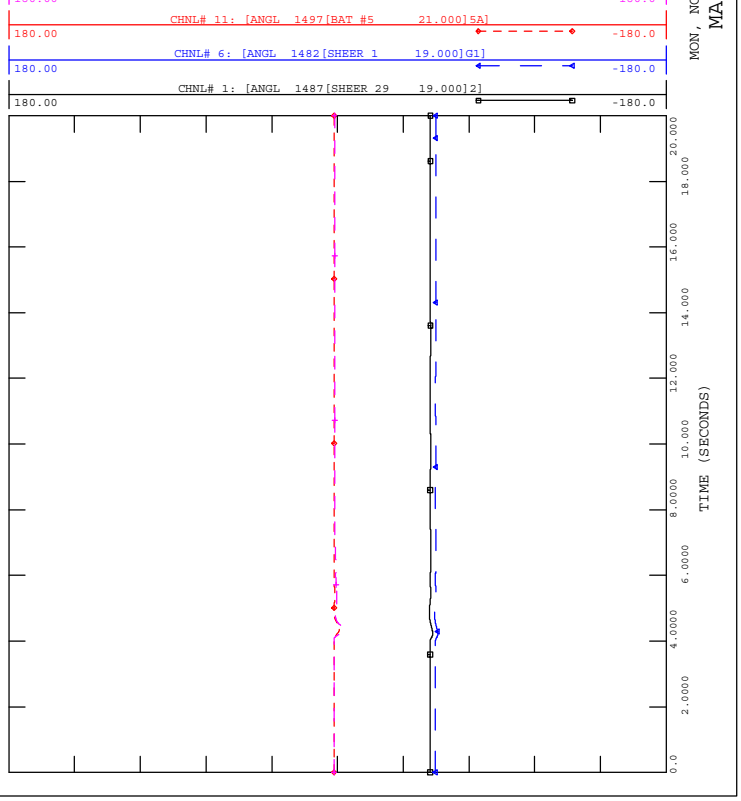


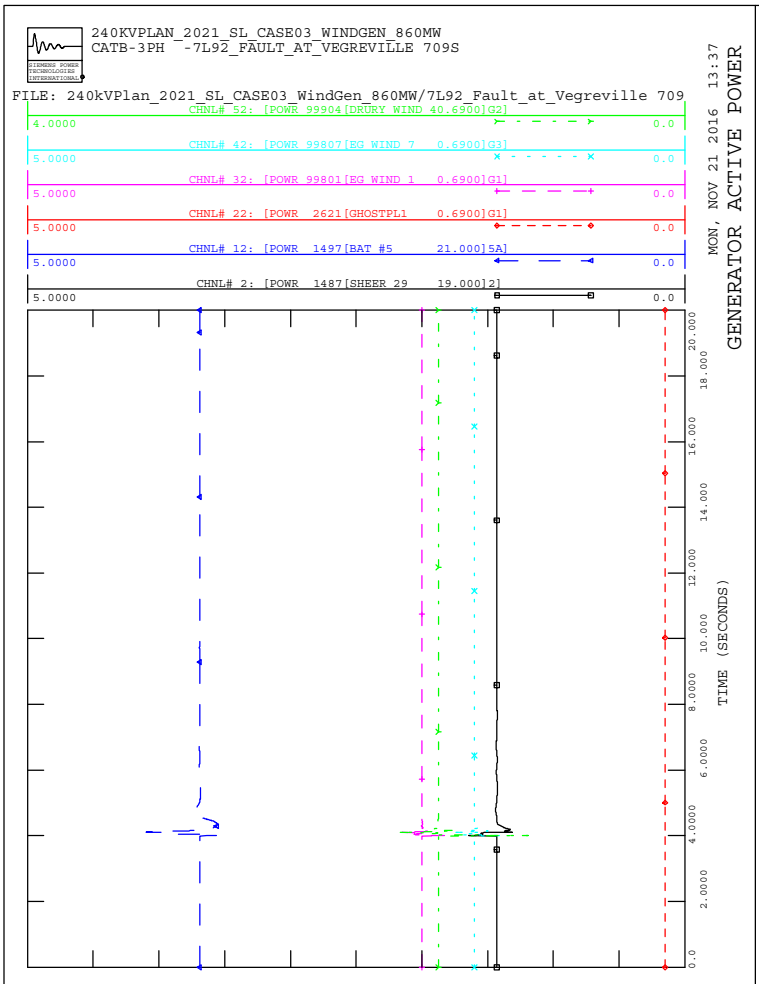
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 13:37

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
5.0000
5.0000
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5.0000
0.0
0.0
0.0
0.0
0.0
0.0
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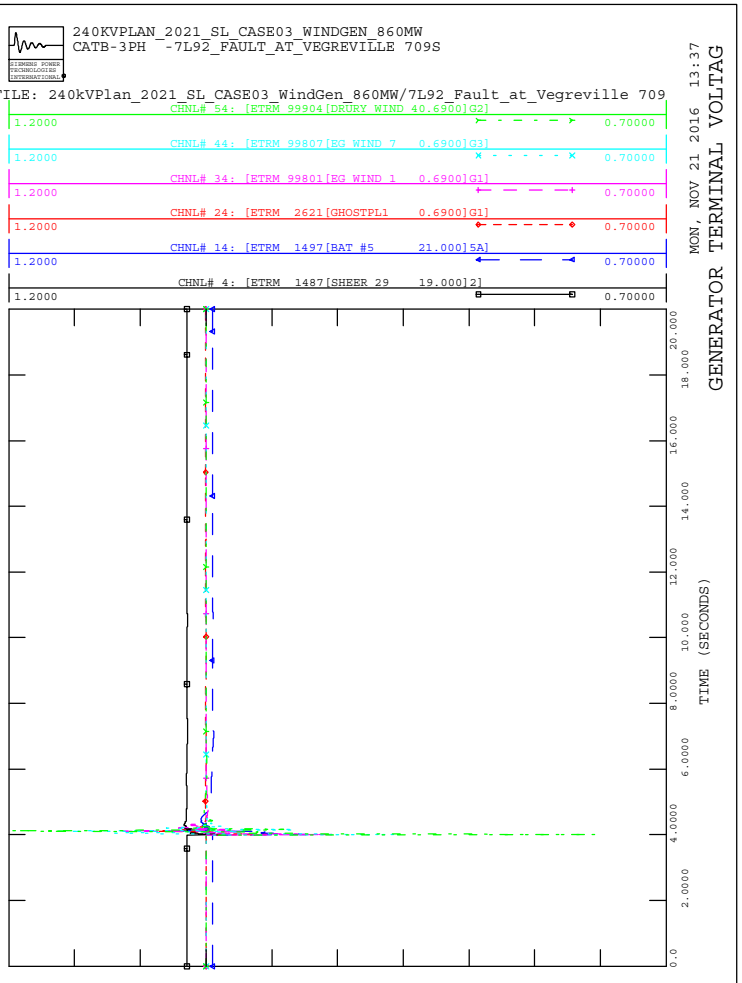
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
1.2000
1.2000
1.2000
1.2000
1.2000
0.70000
0.70000
0.70000
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0.70000
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2.0000
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6.0000
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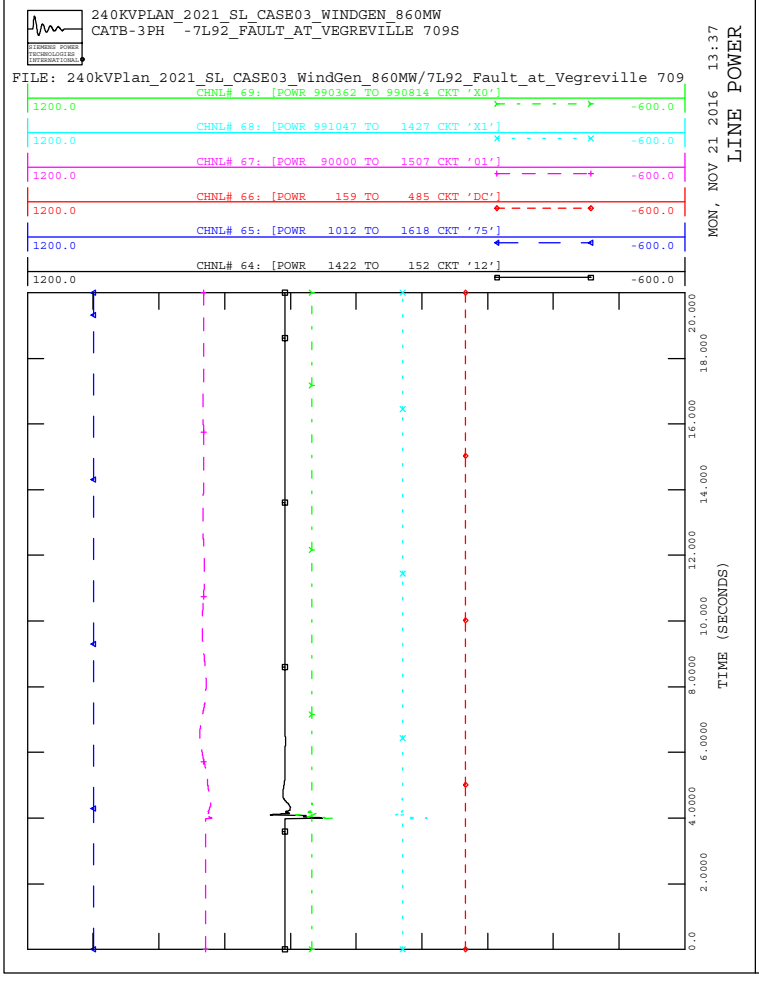
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
1200.0
1200.0
1200.0
1200.0
1200.0
-600.0
-600.0
-600.0
-600.0
-600.0
-600.0
0.0
2.0000
4.0000
6.0000
8.0000
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12.000
14.000
16.000
18.000
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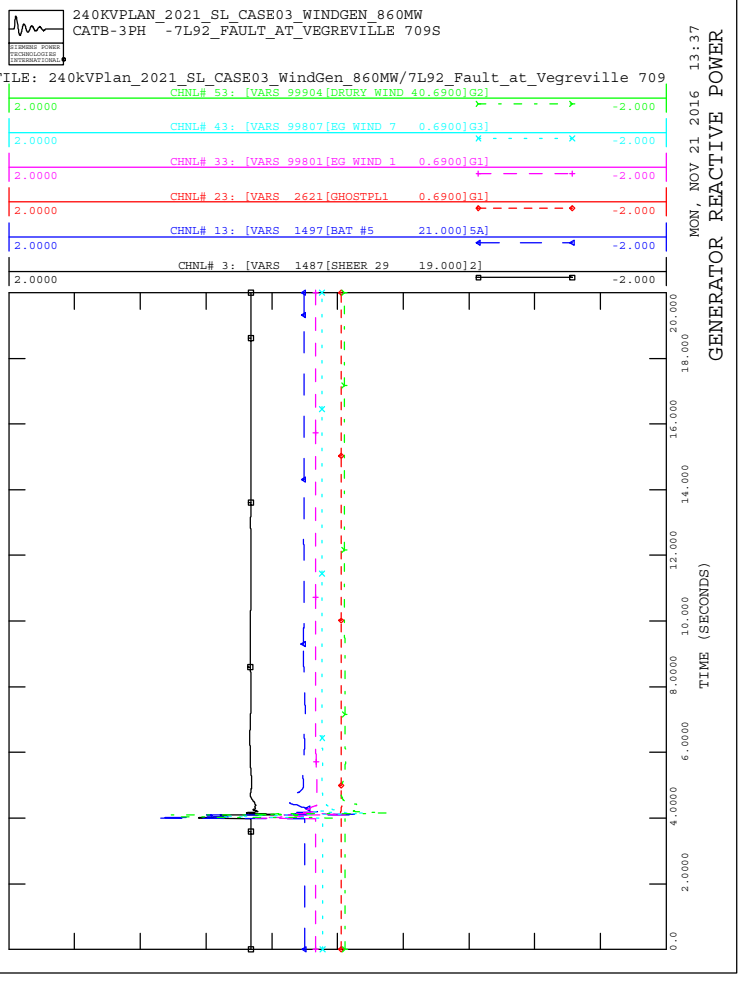
TIME (SECONDS)
MON, NOV 21 2016 13:37
LINE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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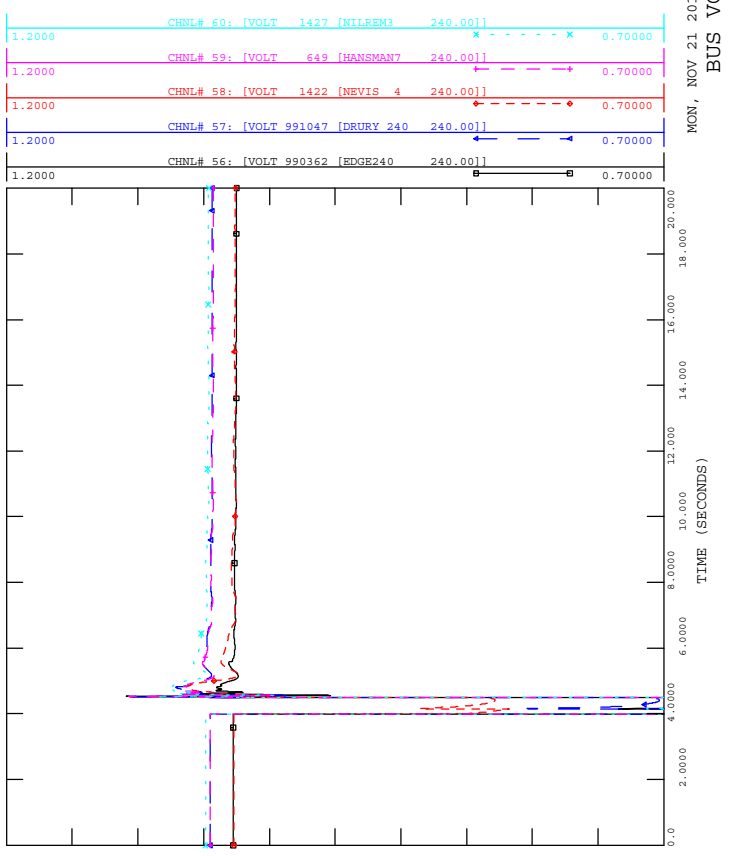
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
2.0000
2.0000
2.0000
2.0000
2.0000
-2.000
-2.000
-2.000
-2.000
-2.000
-2.000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

BUS VOLTAGE

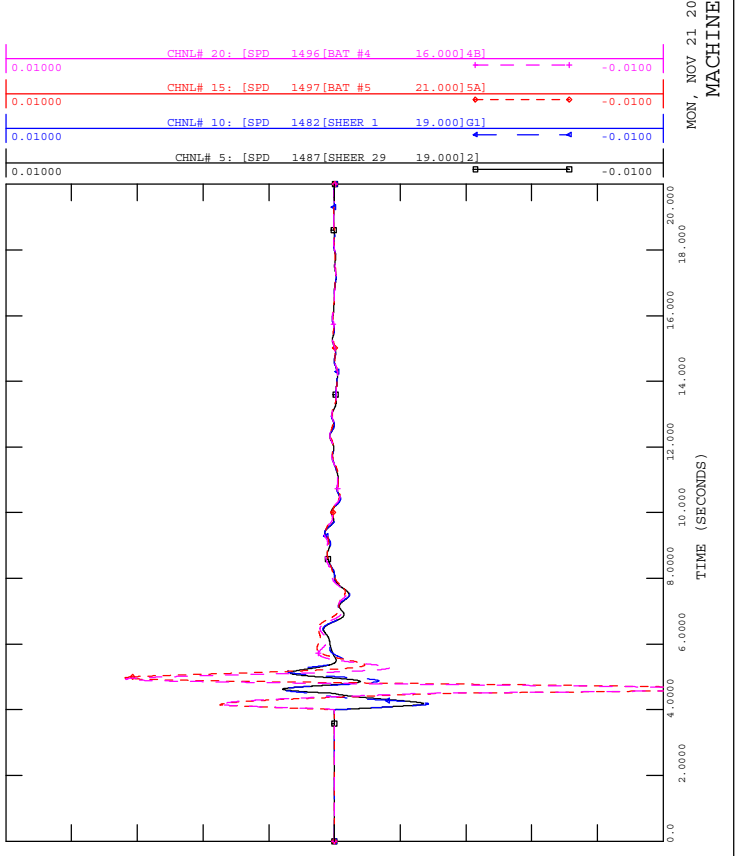


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
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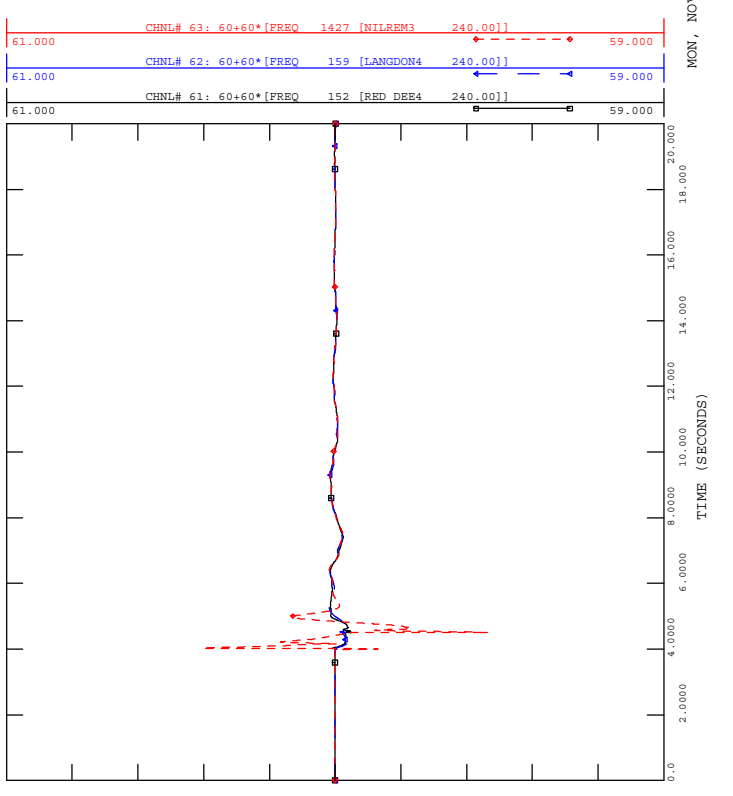
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

FREQUENCY

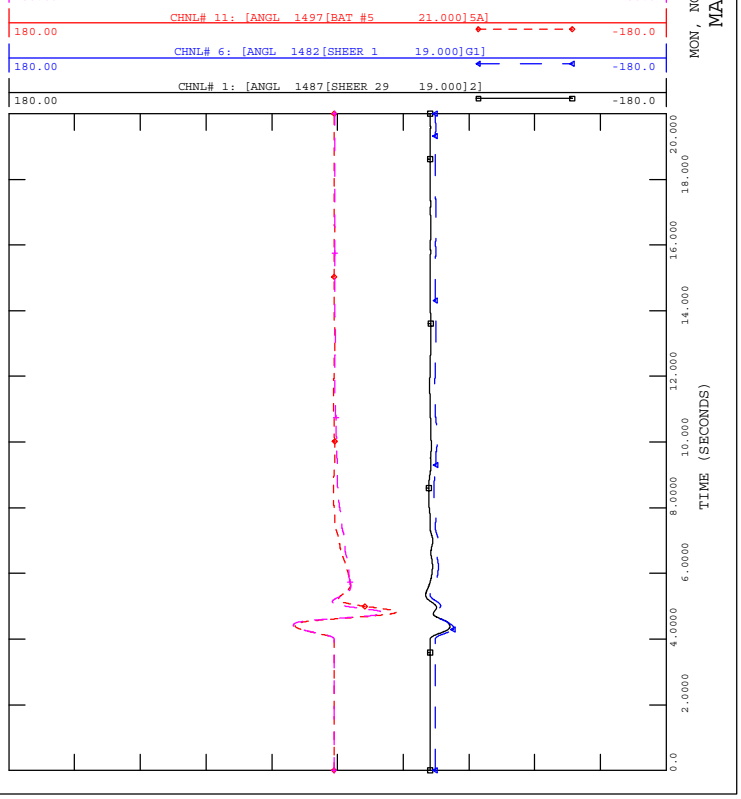


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Metiskow 648S.

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

GENERATOR ACTIVE POWER

MON, NOV 21 2016 13:37

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Metiskow 648S.

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CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

GENERATOR TERMINAL VOLTAG

MON, NOV 21 2016 13:37

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Metiskow 648S.

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

LINE POWER

MON, NOV 21 2016 13:37

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

GENERATOR REACTIVE POWER

MON, NOV 21 2016 13:37

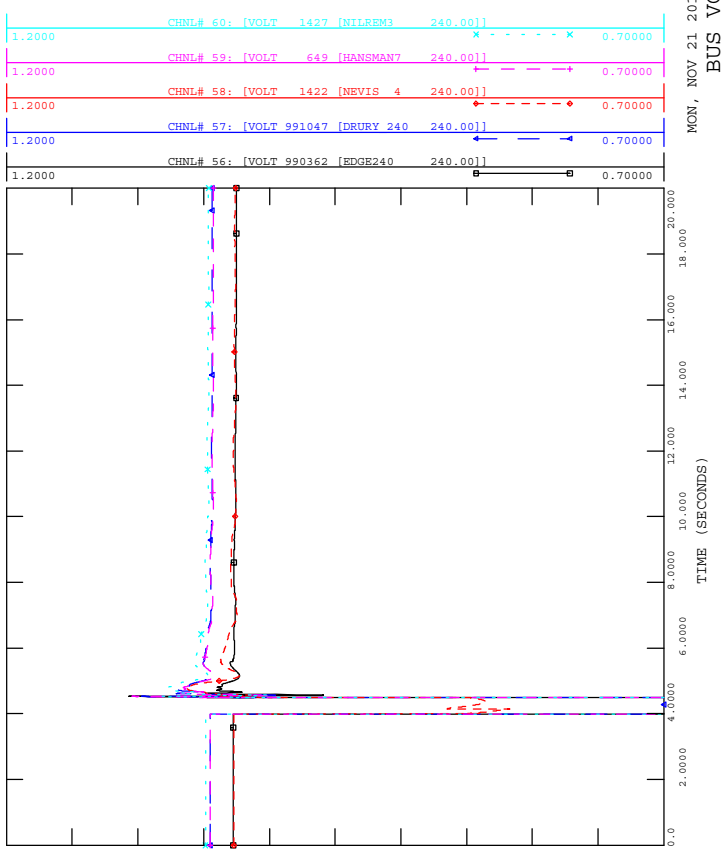
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:37

BUS VOLTAGE

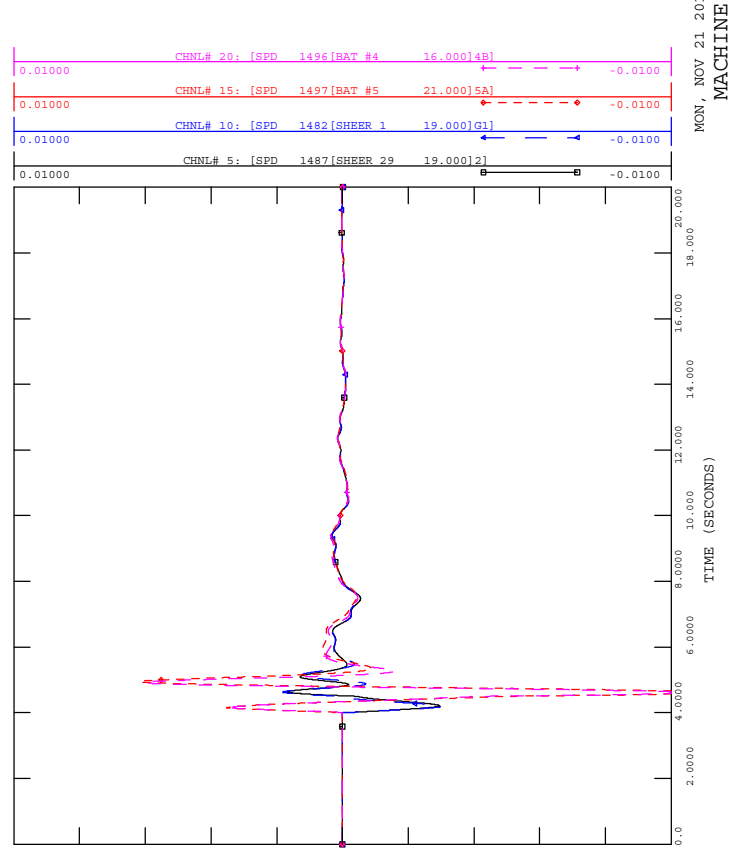


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:37

MACHINE SPEED

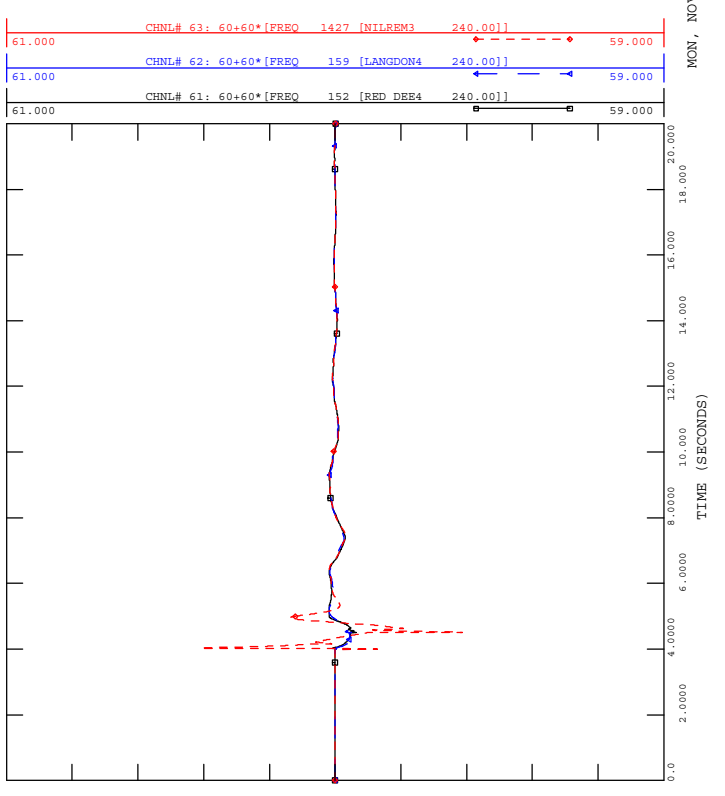


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:37

FREQUENCY

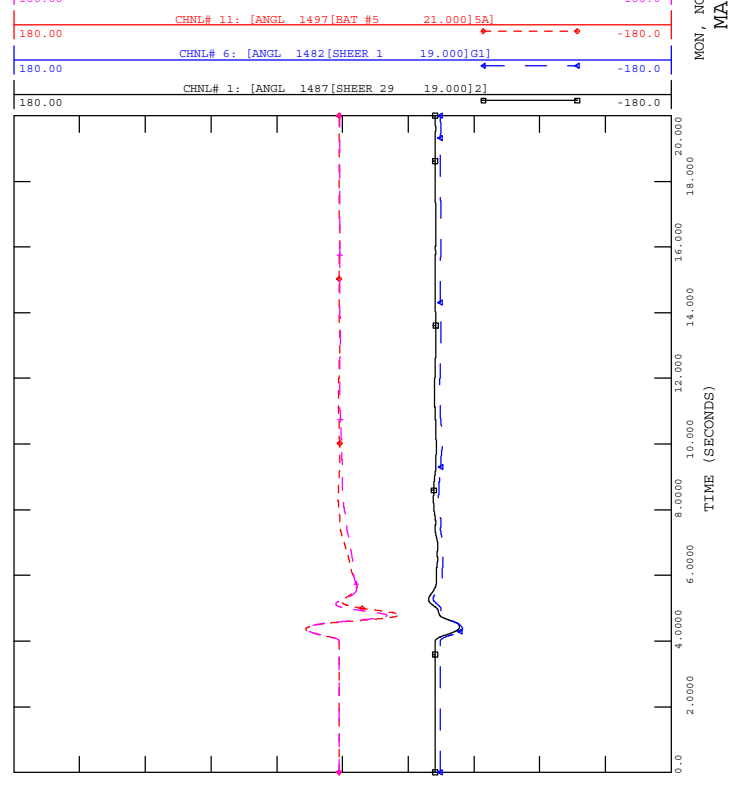


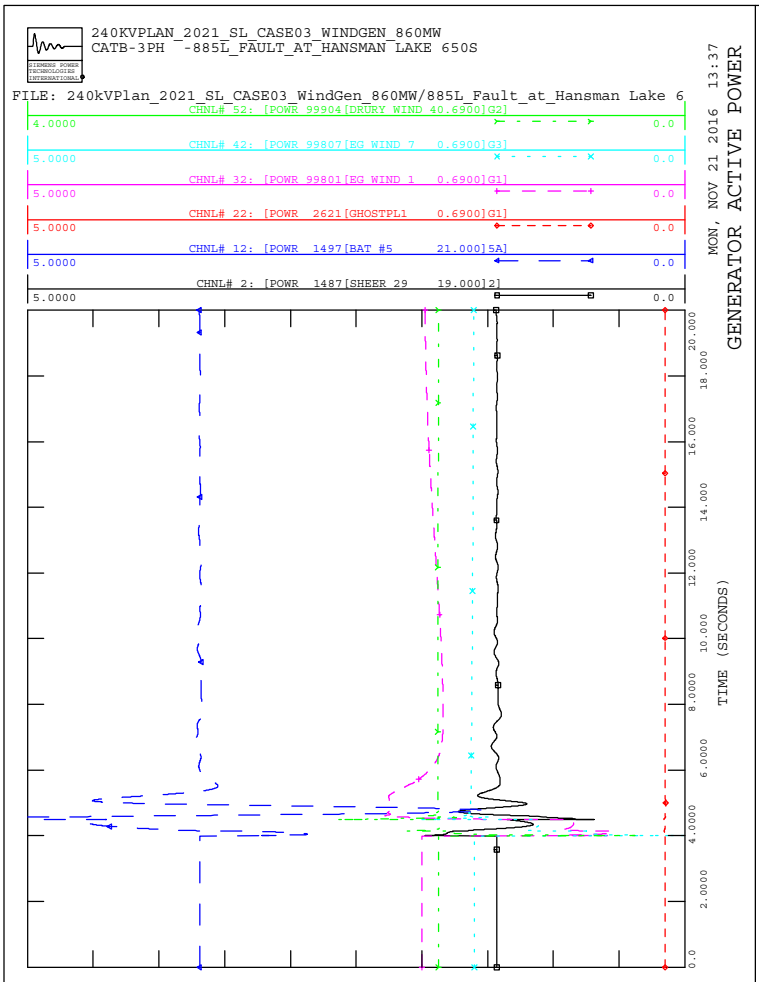
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

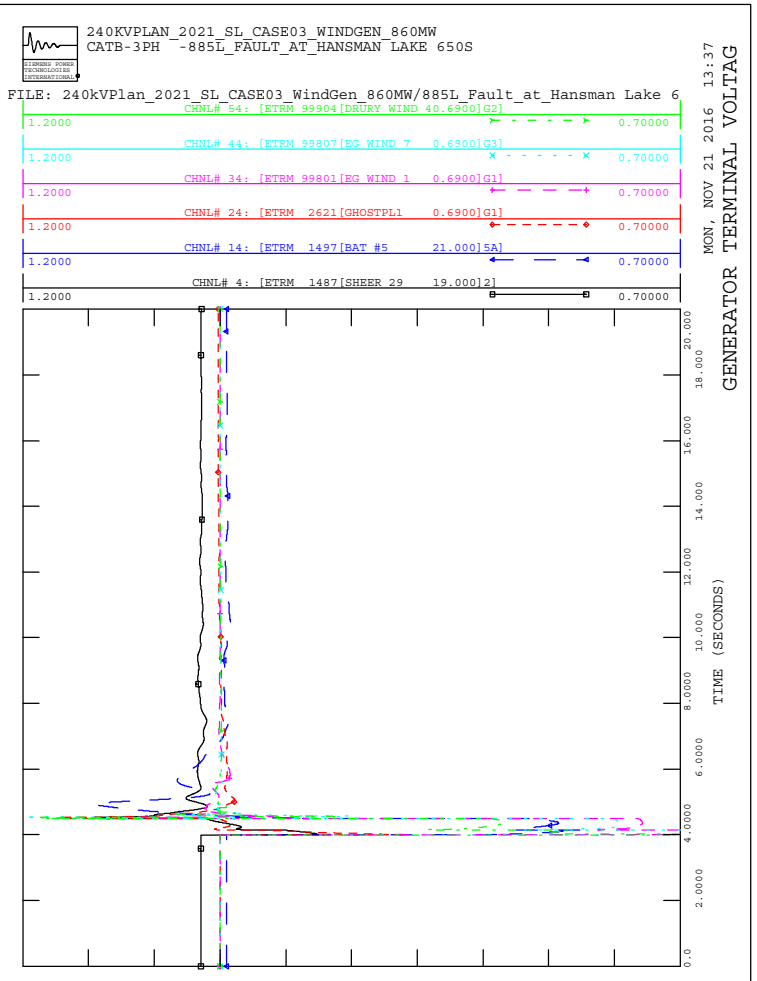
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman Lake 6

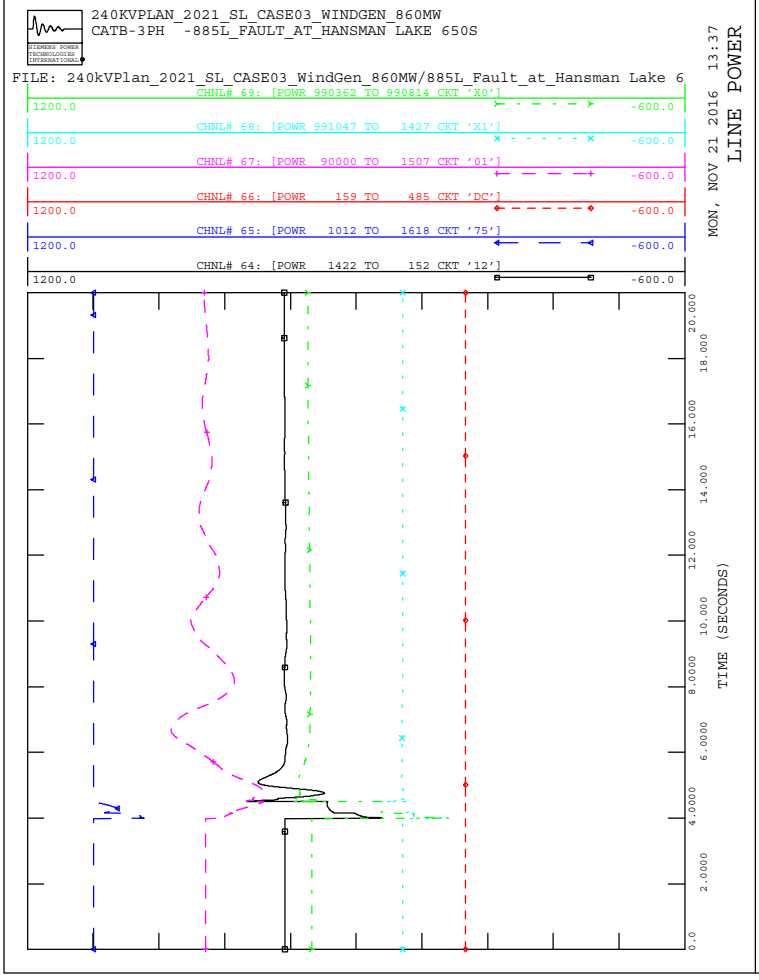
MON, NOV 21 2016 13:37

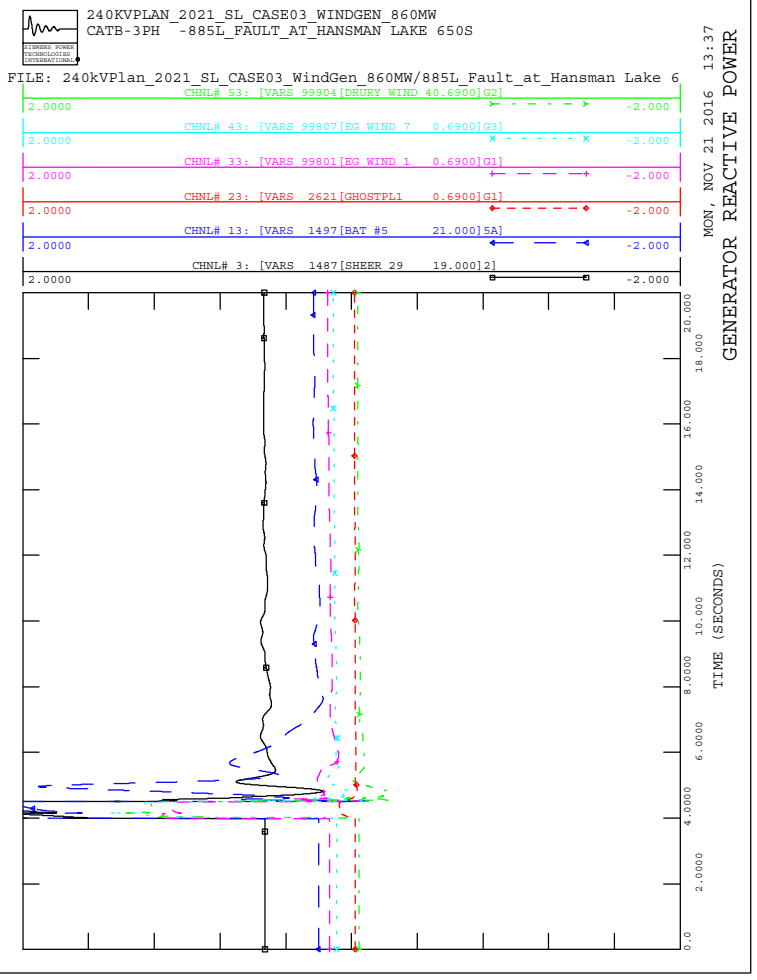
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman_Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman_Lake 6
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
LINE POWER
MON, NOV 21 2016 13:37


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman_Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:37

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]] 1.2000 0.70000
CHNL# 56: [VOLT 990362 [EDGE240 240.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:37

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:37

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

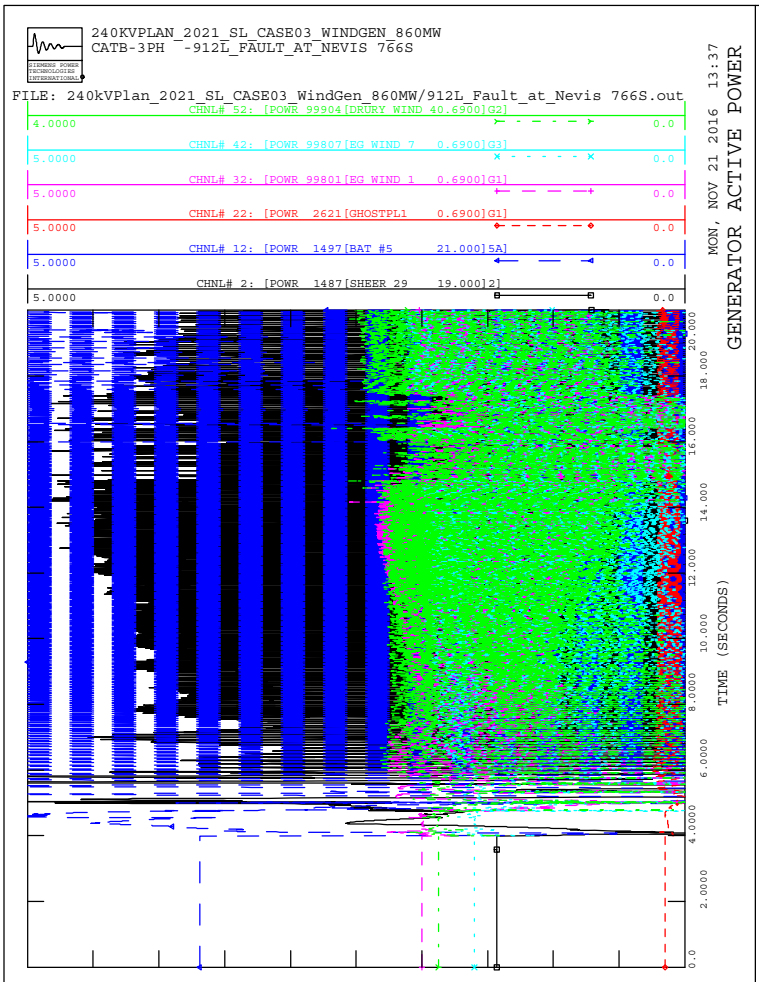
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out

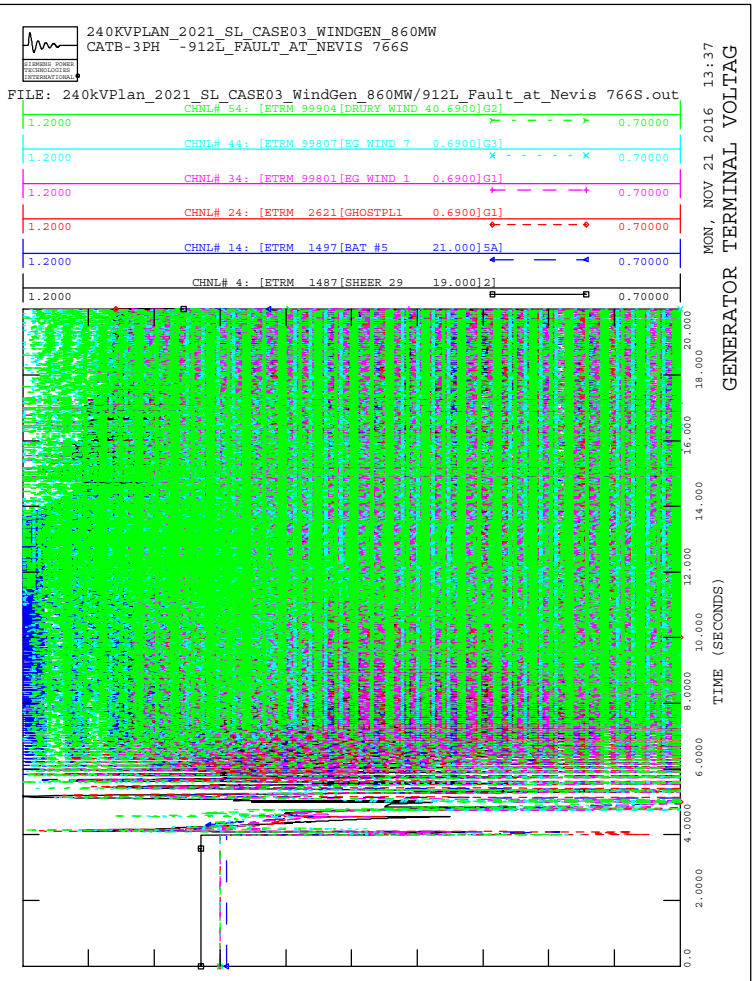
MON, NOV 21 2016 13:37

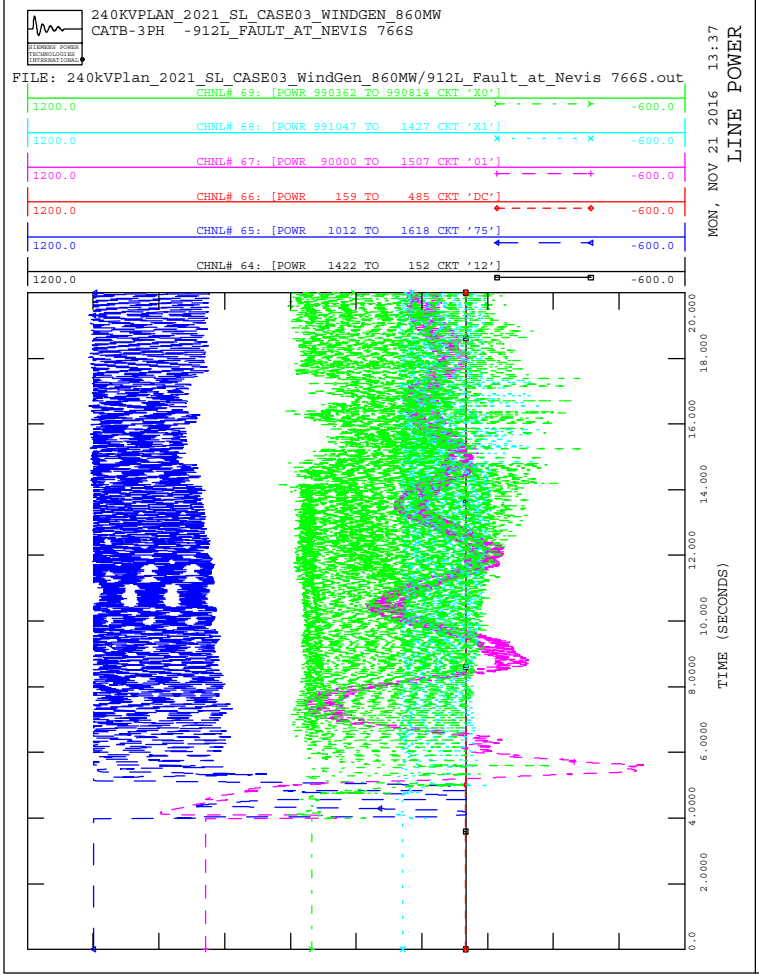
MACHINE ANGEL

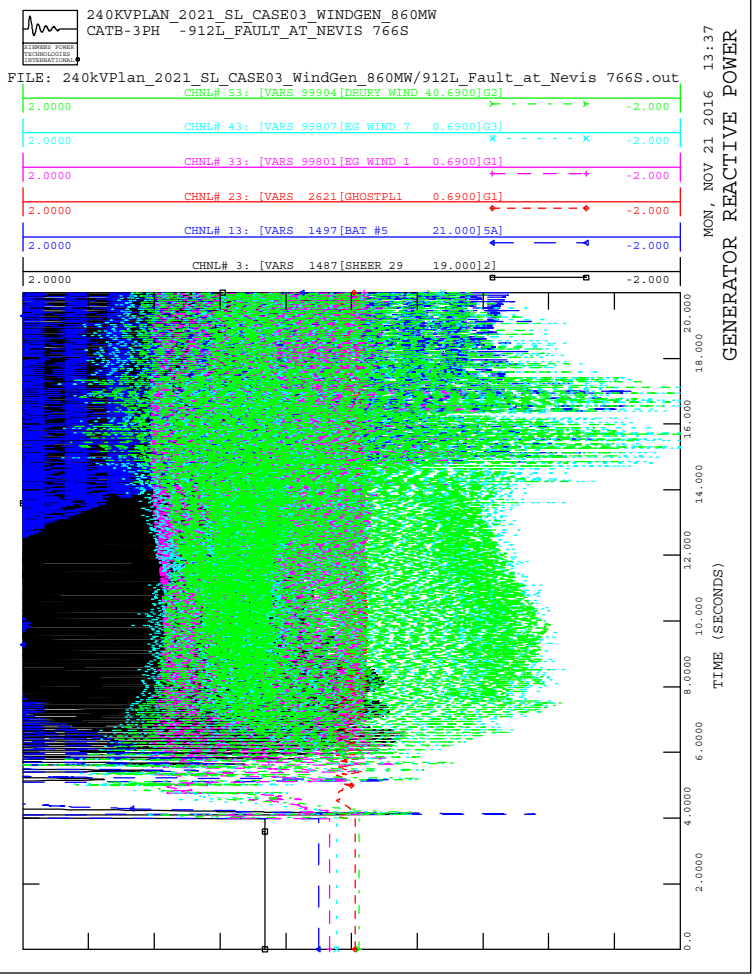
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)

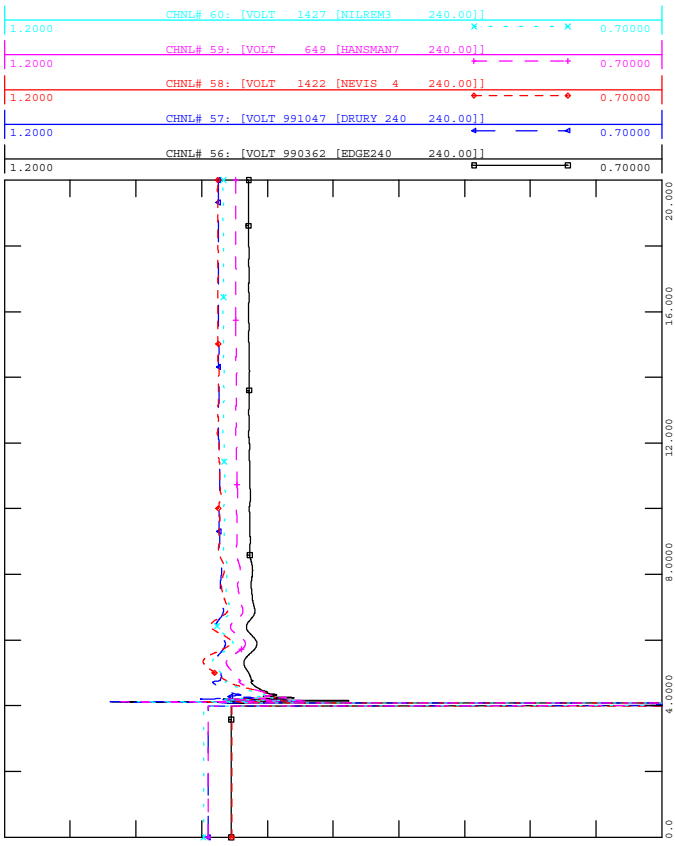

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 13:37

BUS VOLTAGE

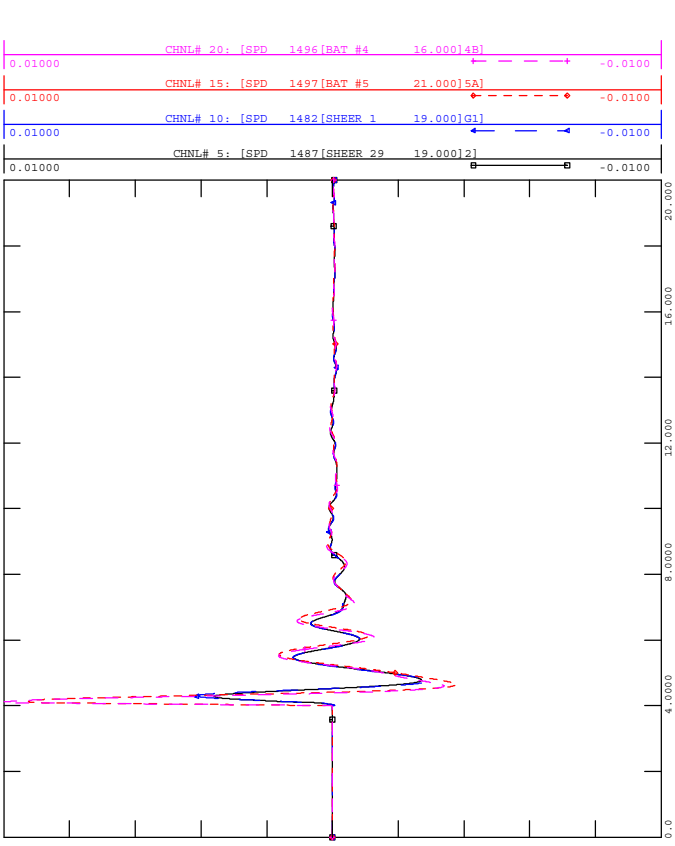


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 13:37

MACHINE SPEED

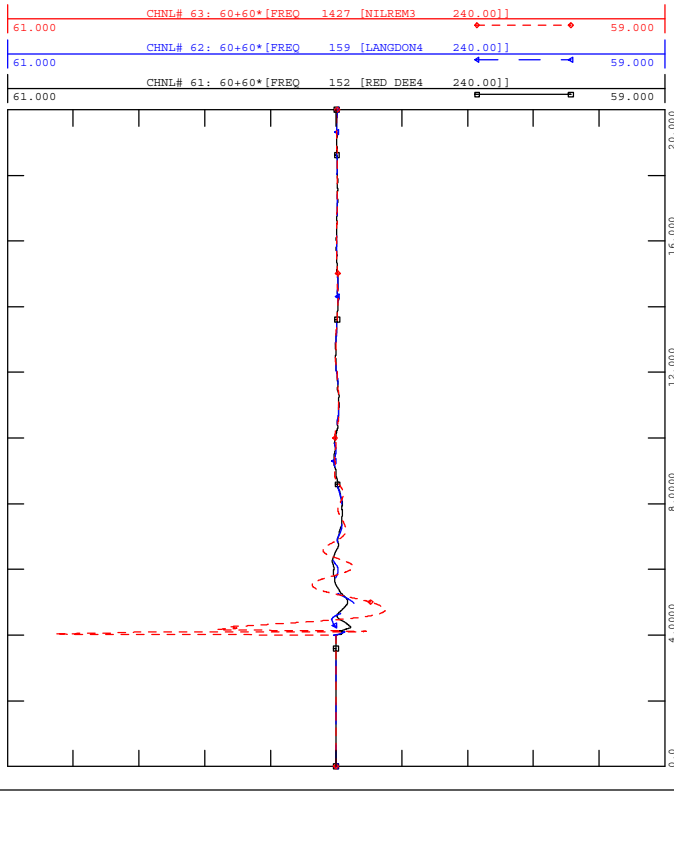


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 13:37

FREQUENCY

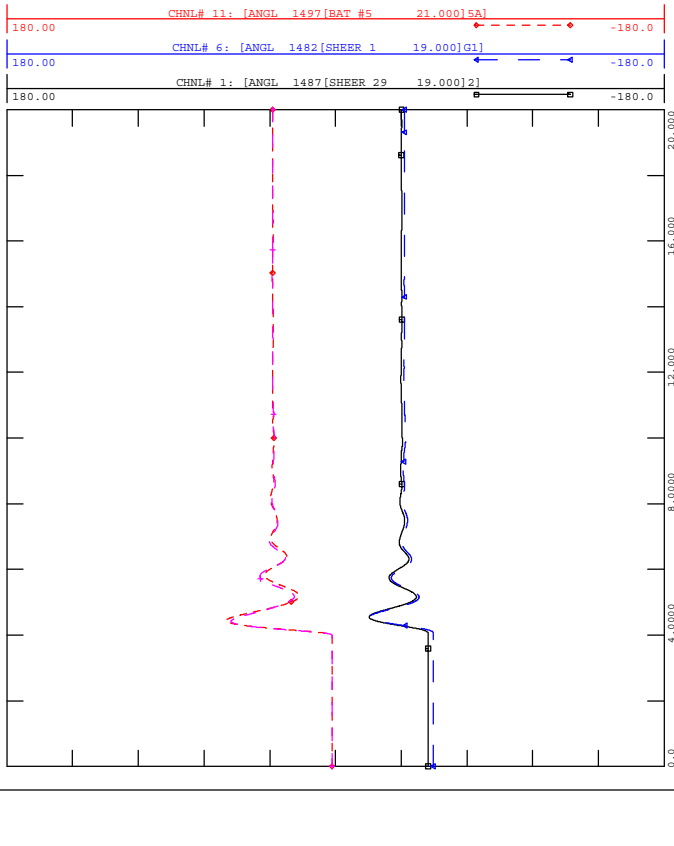


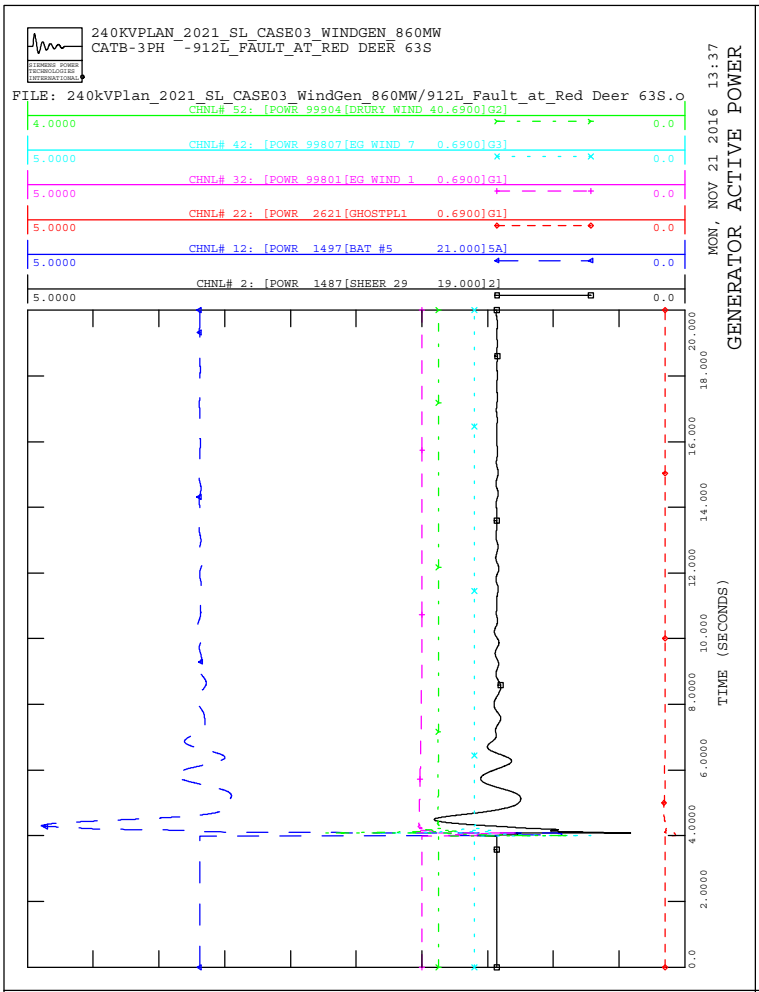
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

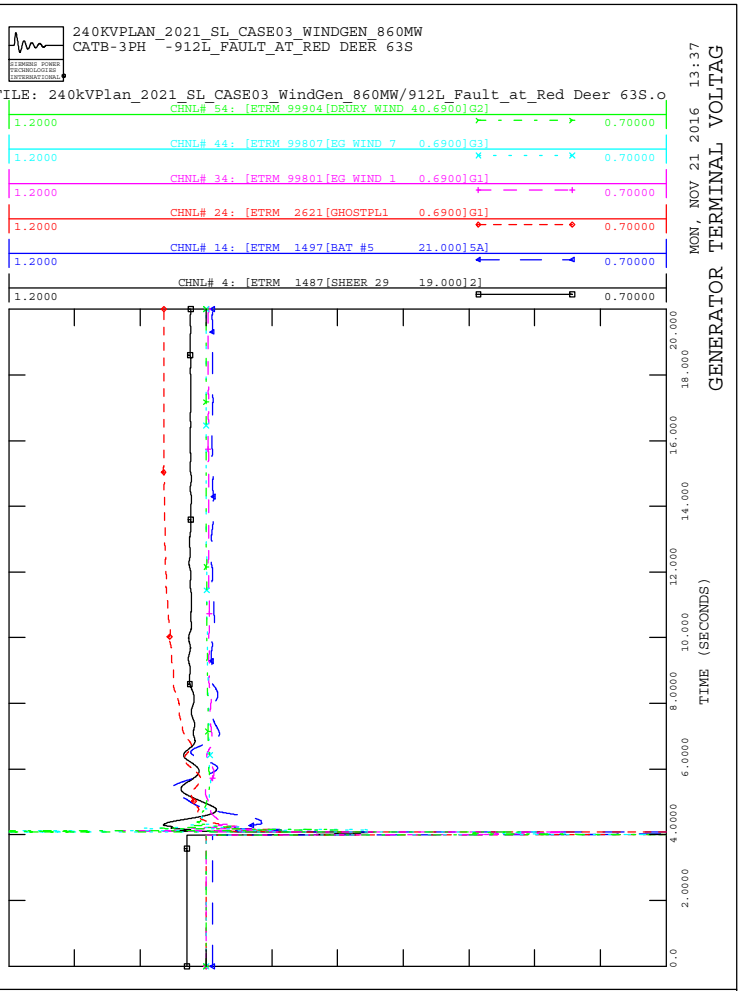
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

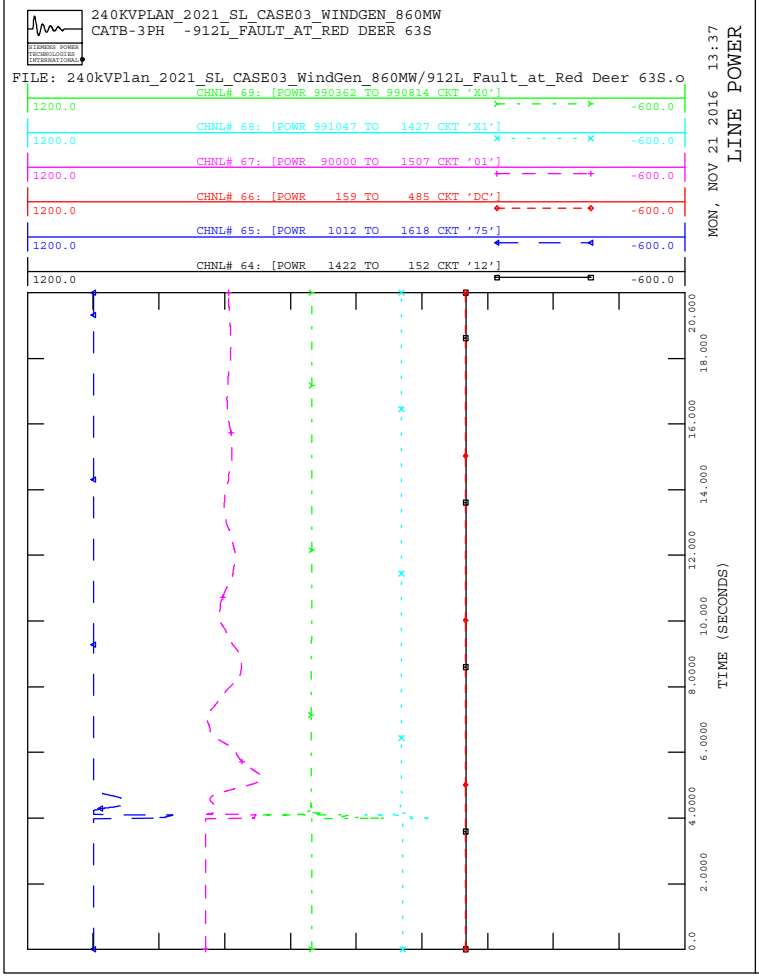
MON, NOV 21 2016 13:37

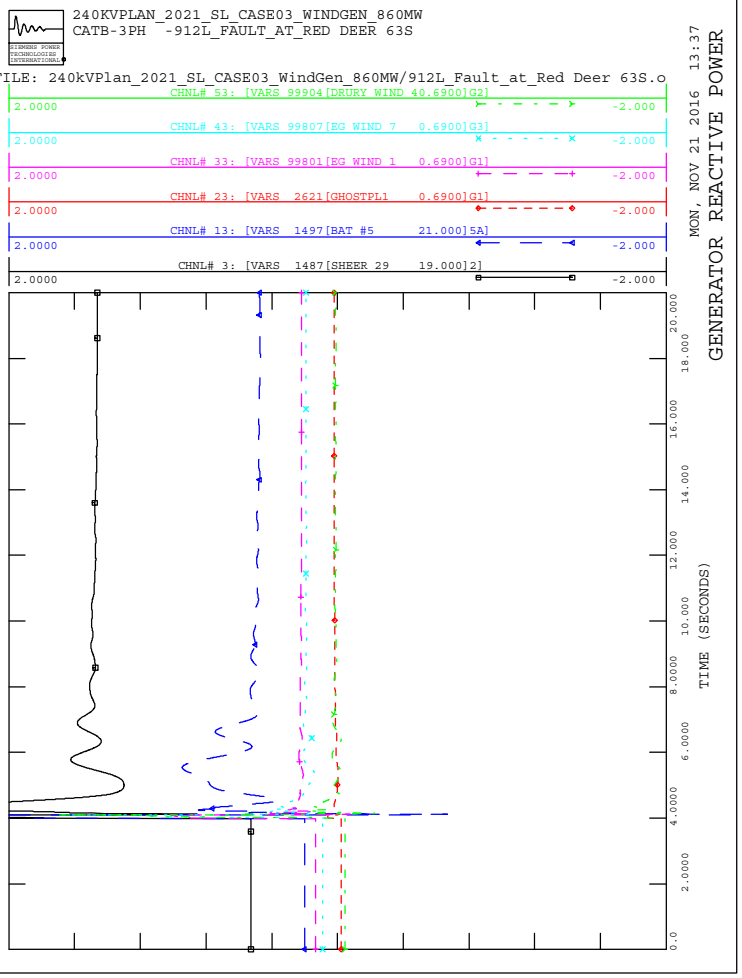
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

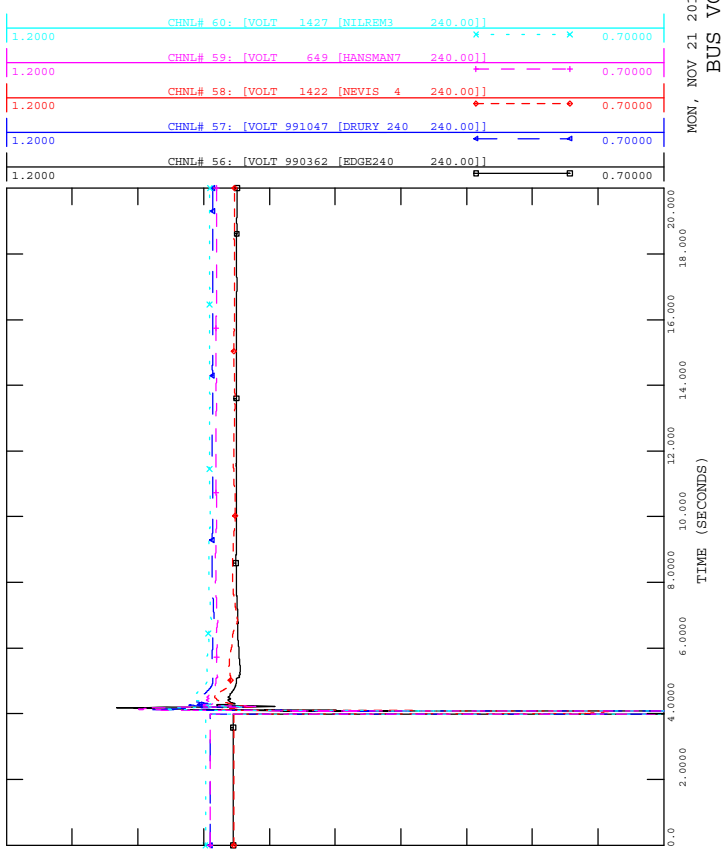

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

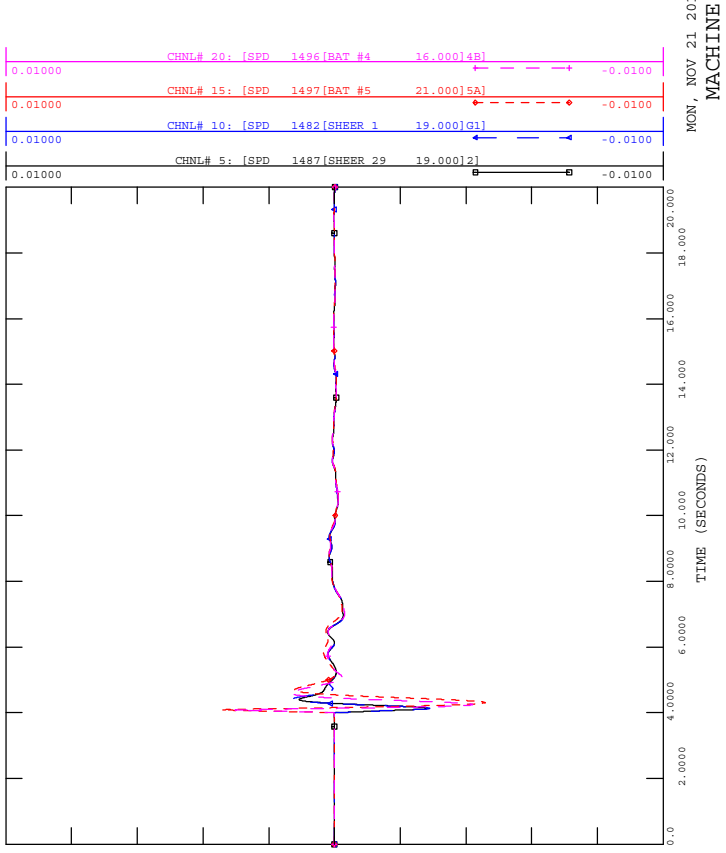
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake



MON, NOV 21 2016 13:37
BUS VOLTAGE

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

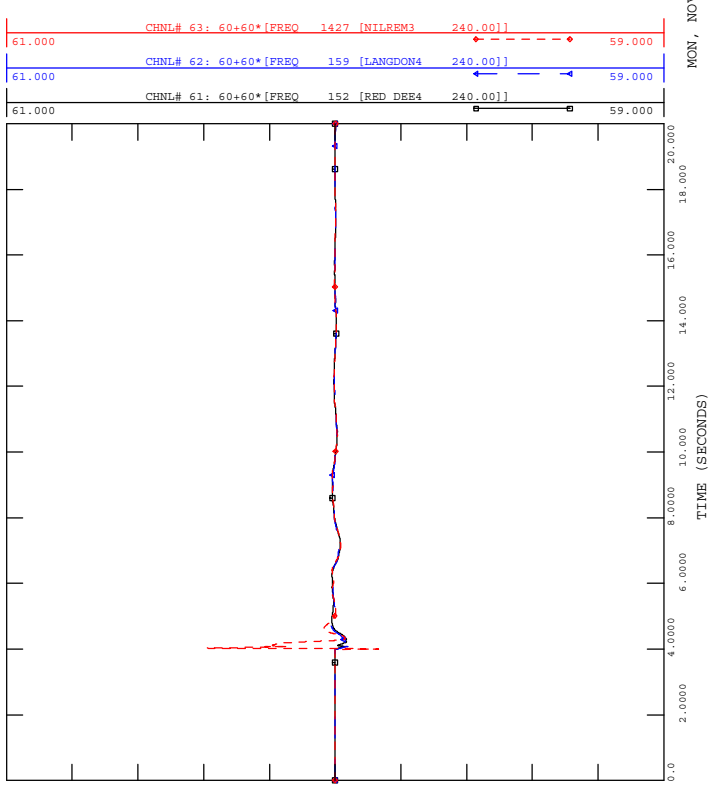
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake



MON, NOV 21 2016 13:37
MACHINE SPEED

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

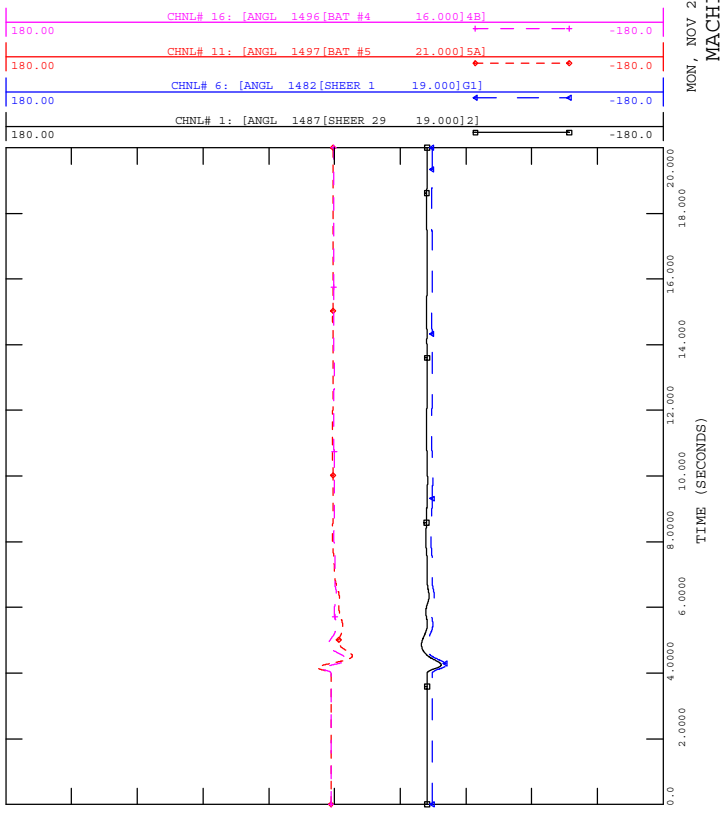
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake



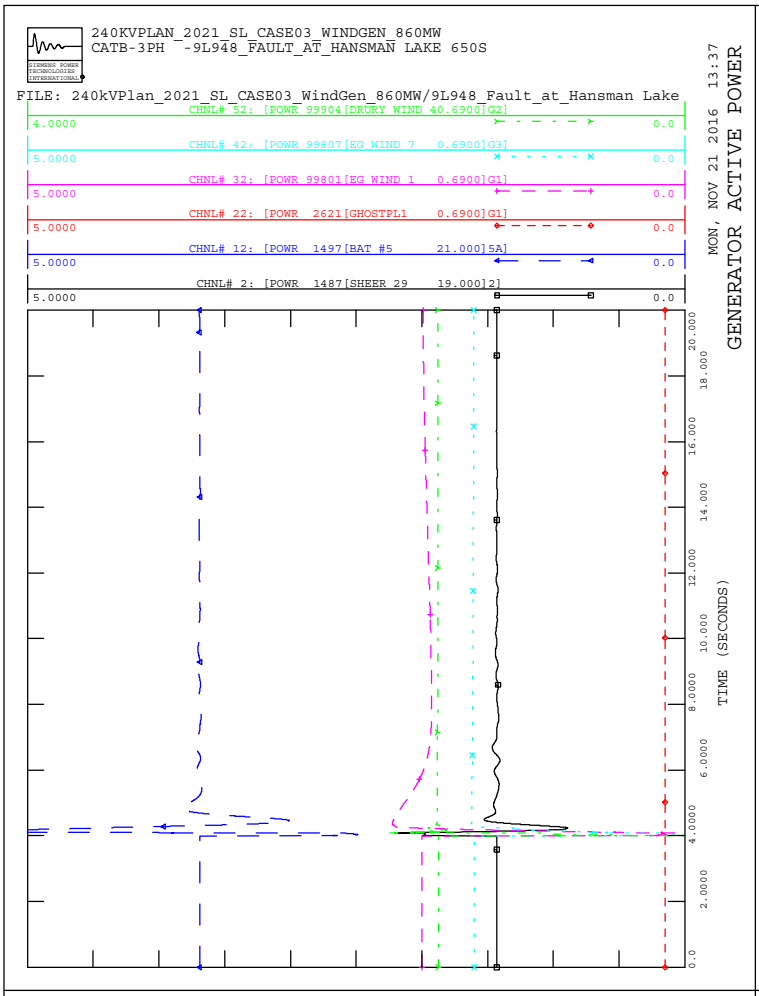
MON, NOV 21 2016 13:37
FREQUENCY

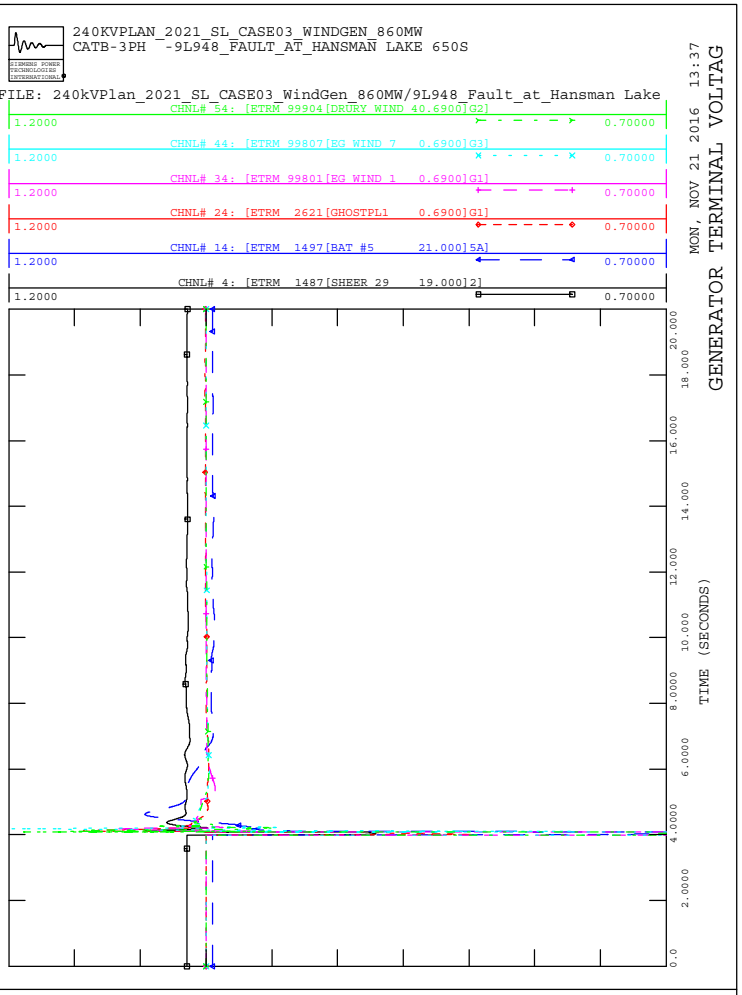
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

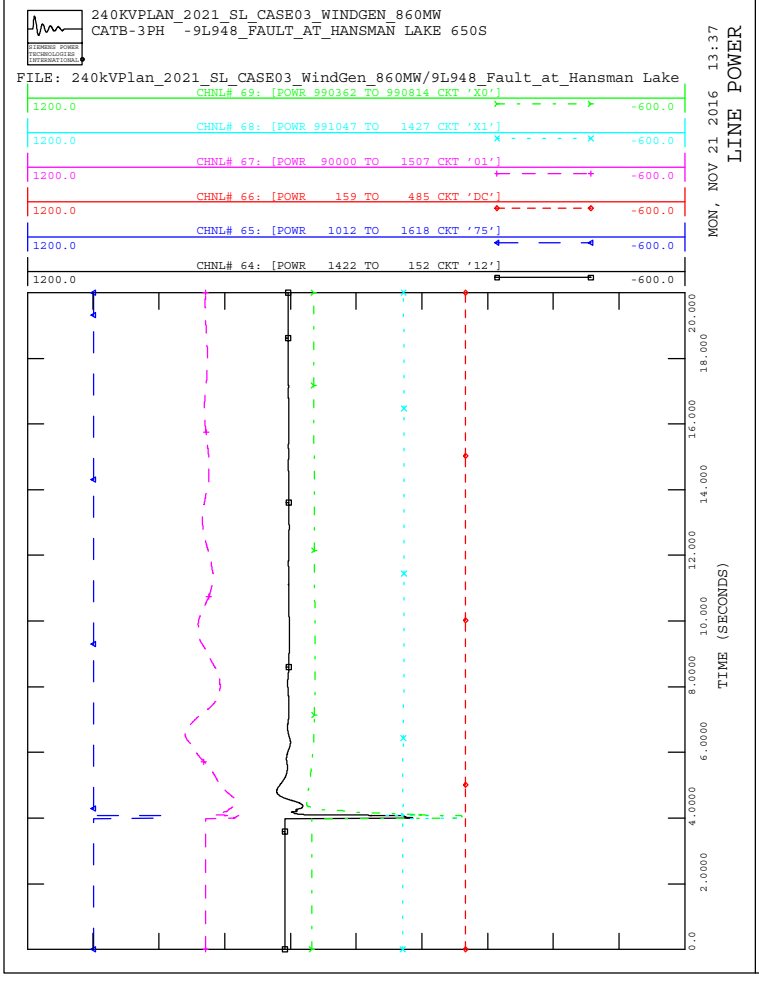
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake

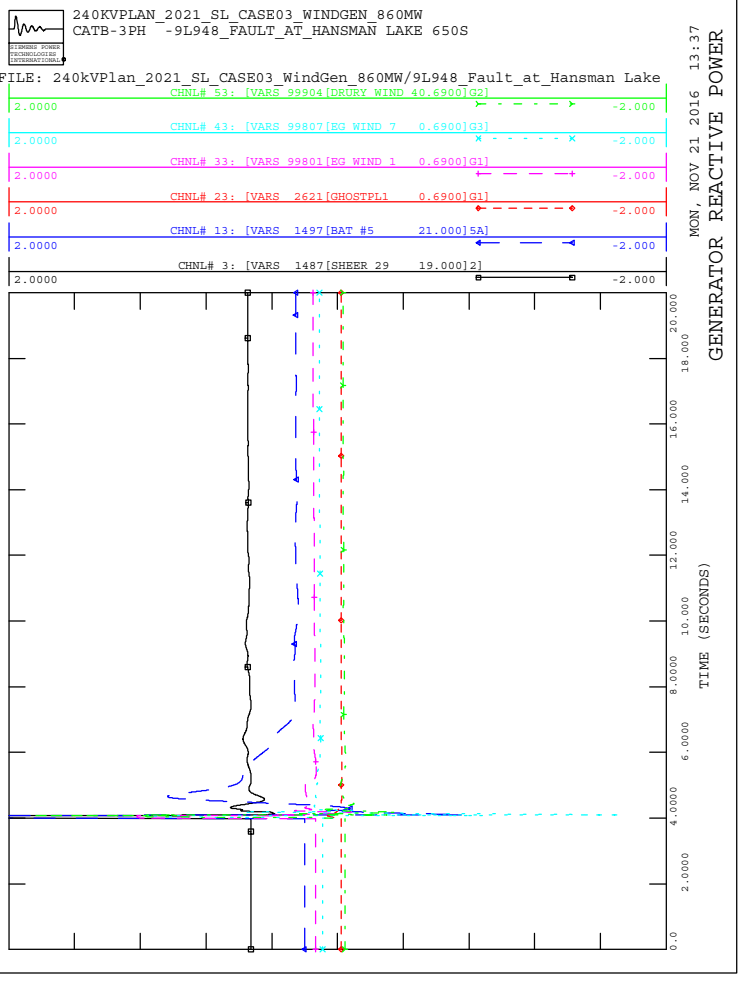


MON, NOV 21 2016 13:37
MACHINE ANGEL


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)

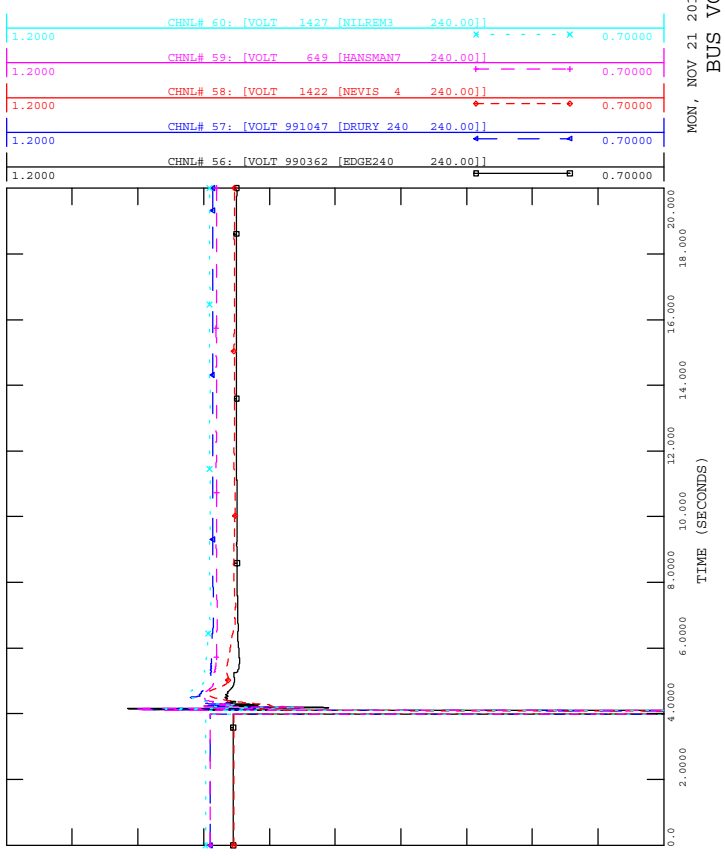

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 13:37

BUS VOLTAGE

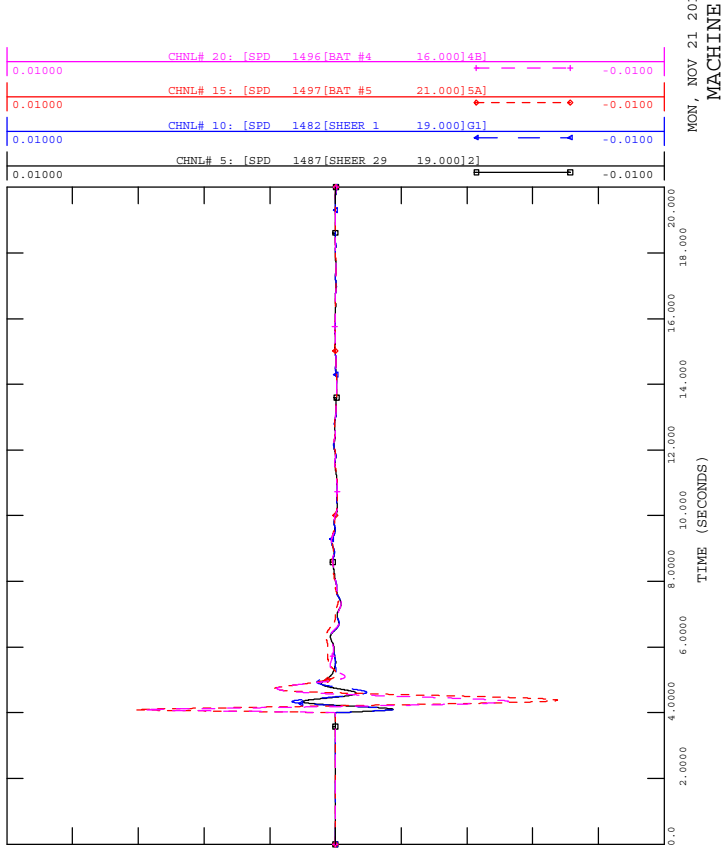


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 13:37

MACHINE SPEED

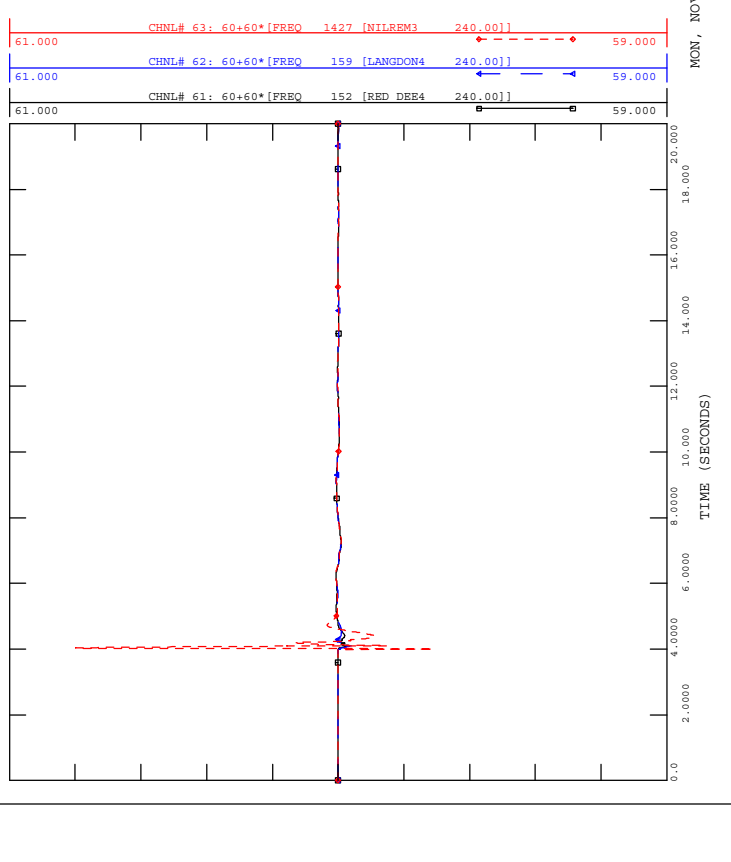


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 13:37

FREQUENCY

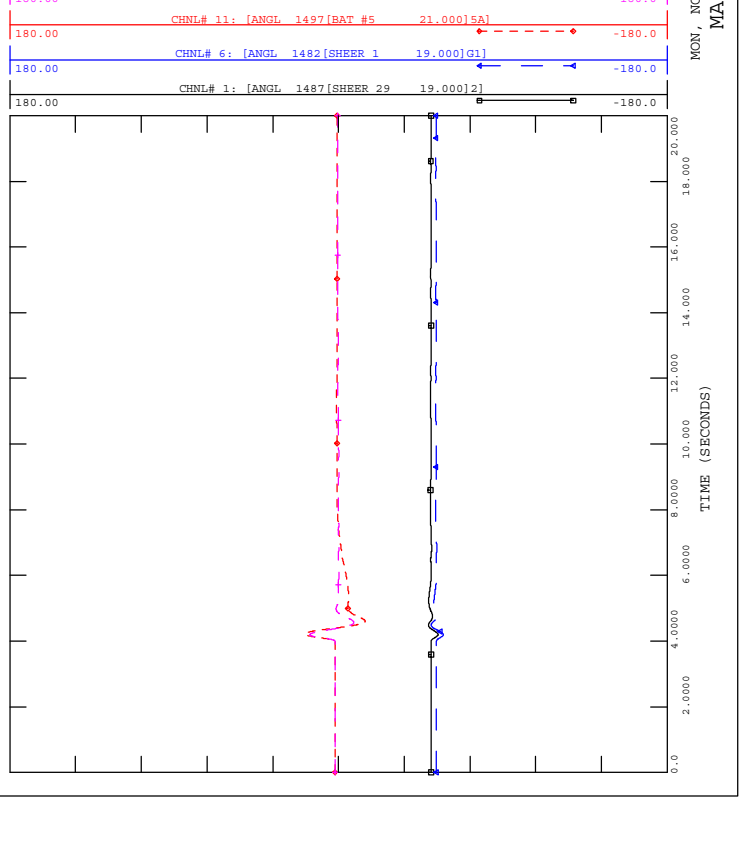


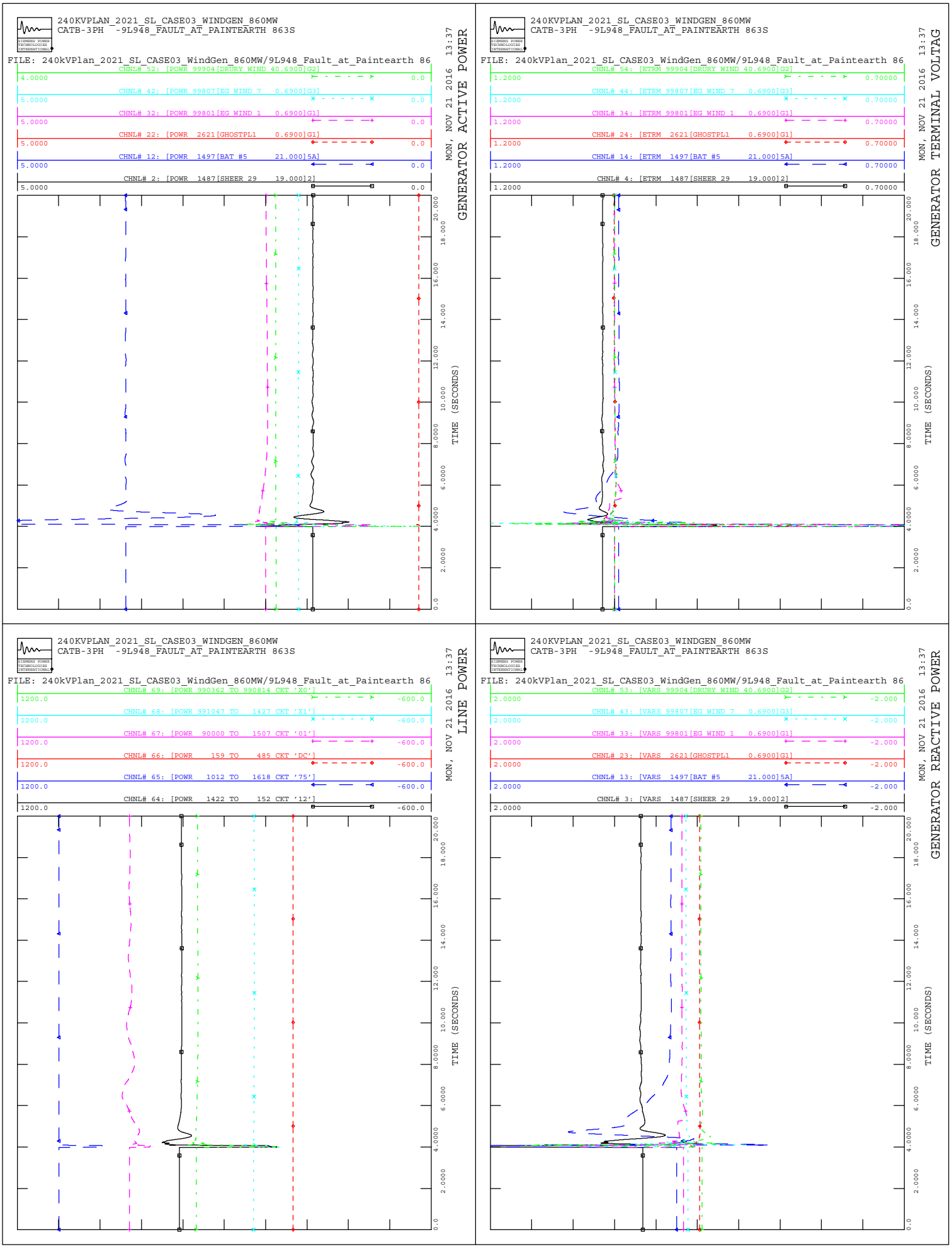
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 13:37

MACHINE ANGEL



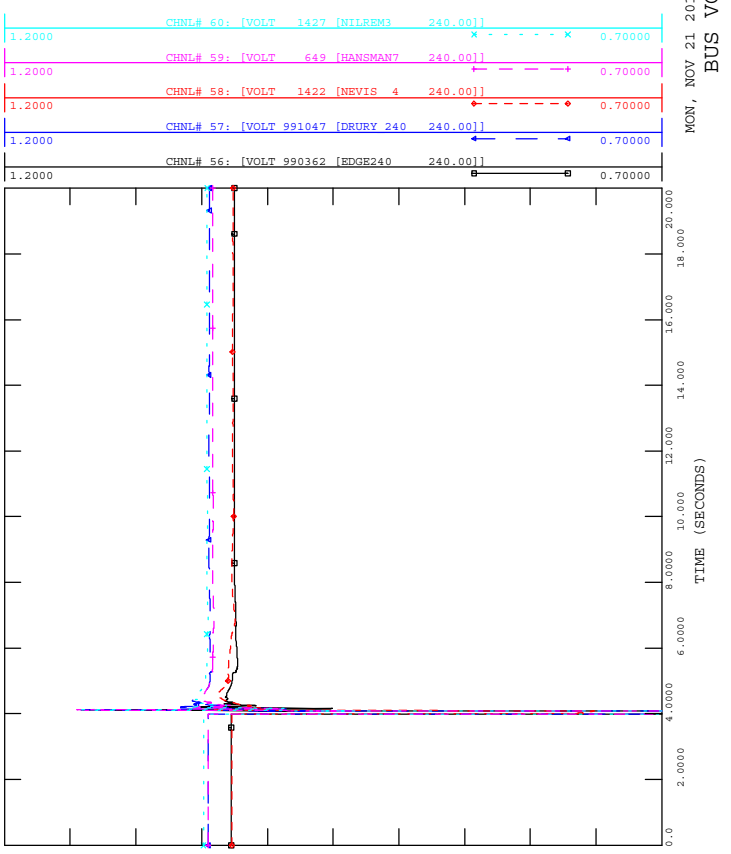

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:37

BUS VOLTAGE

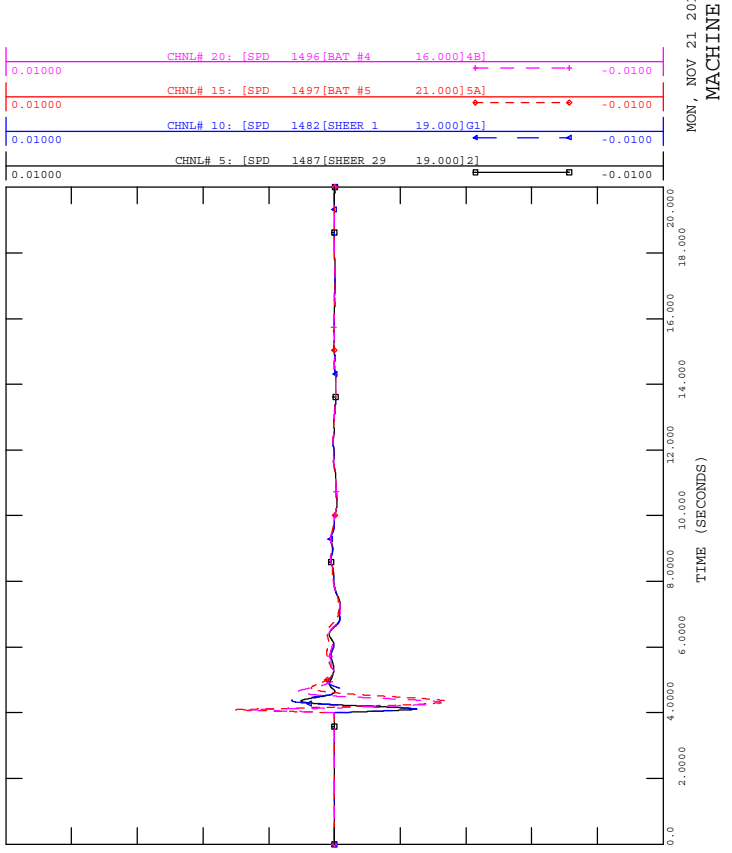


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:37

MACHINE SPEED

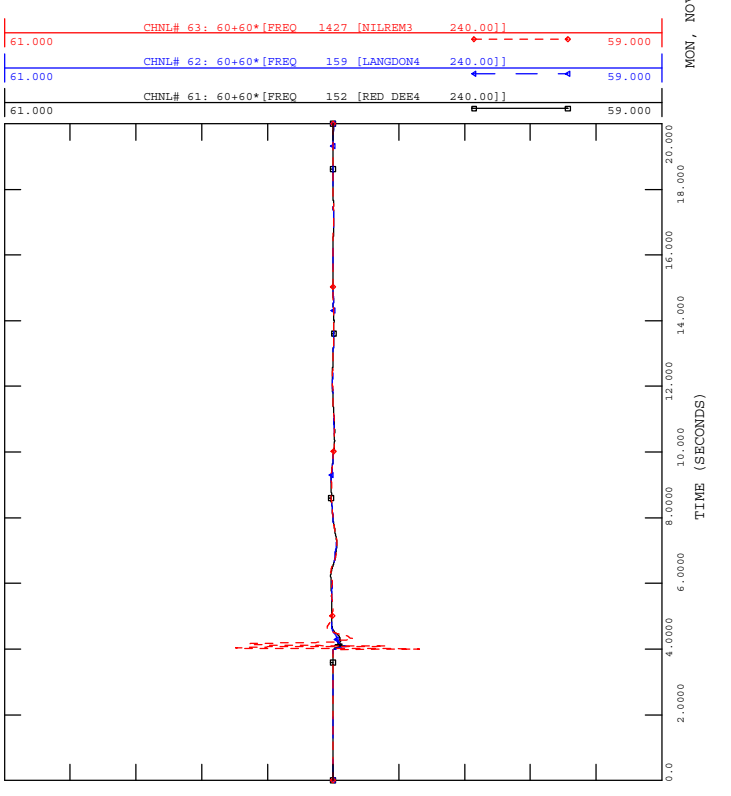


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:37

FREQUENCY

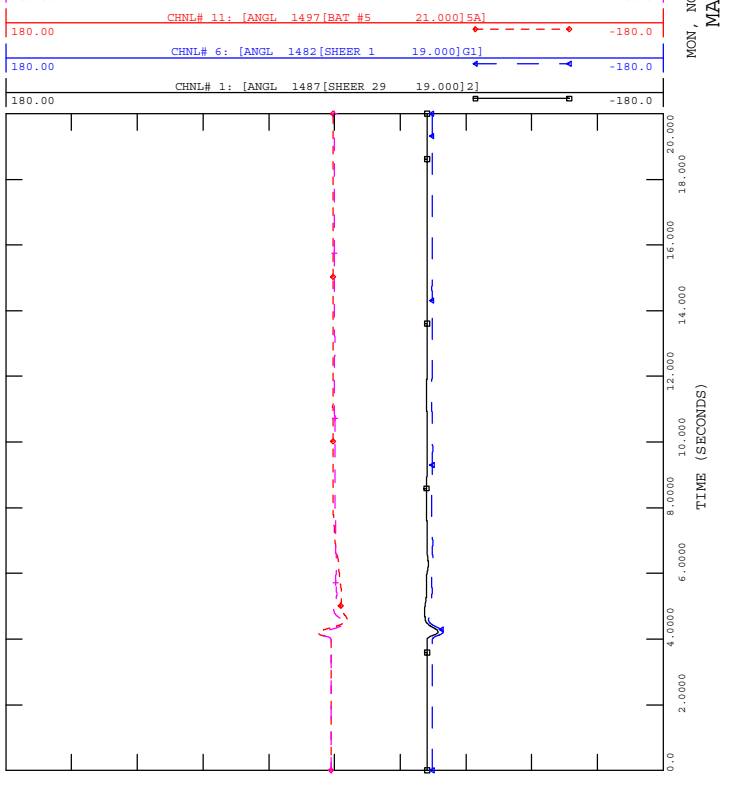


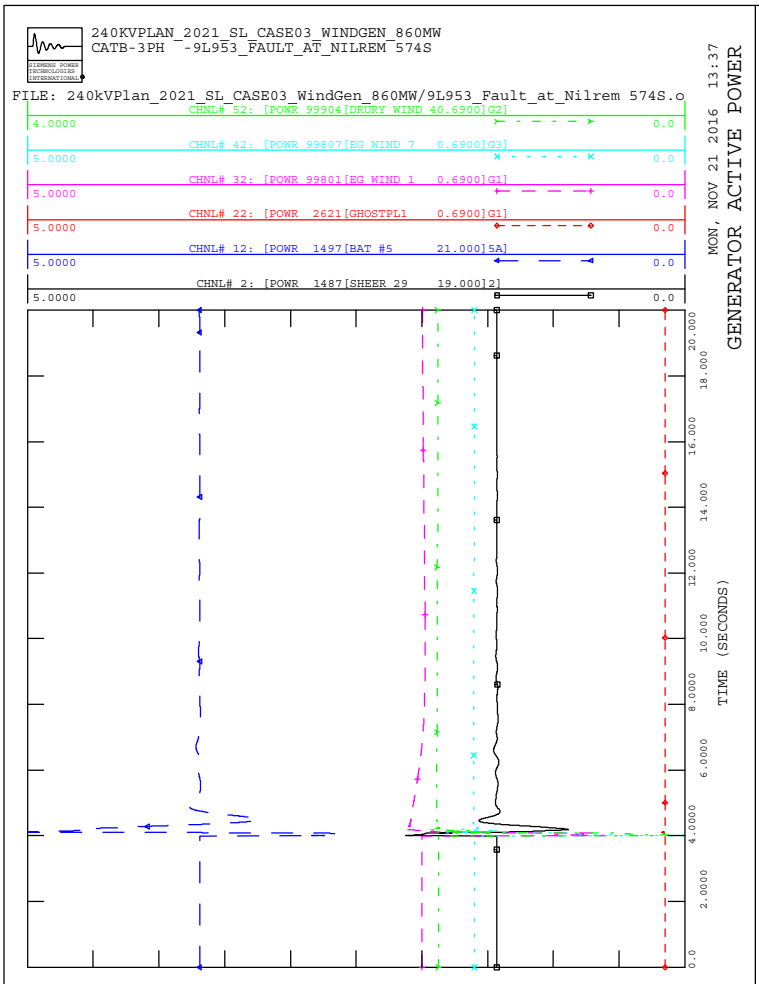
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

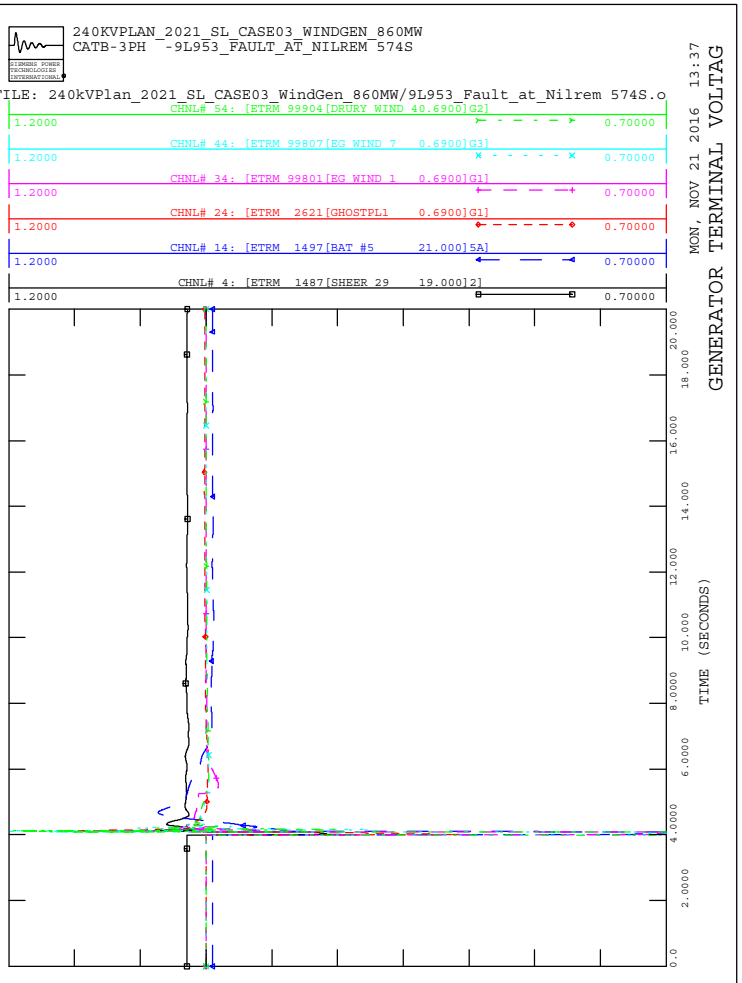
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

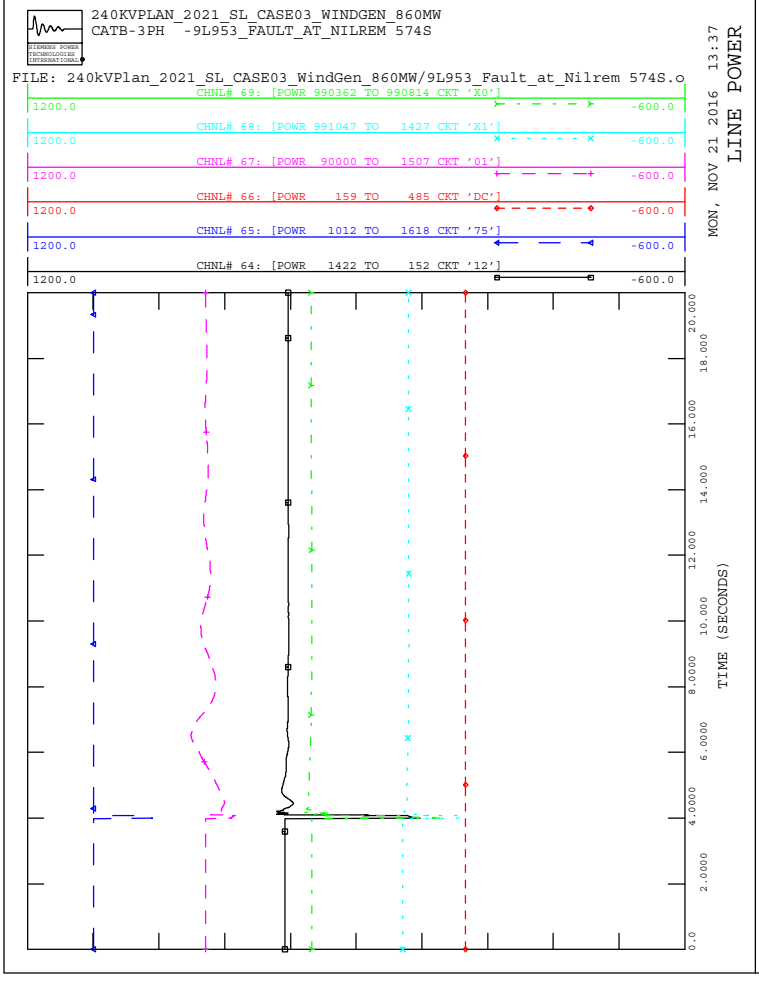
MON, NOV 21 2016 13:37

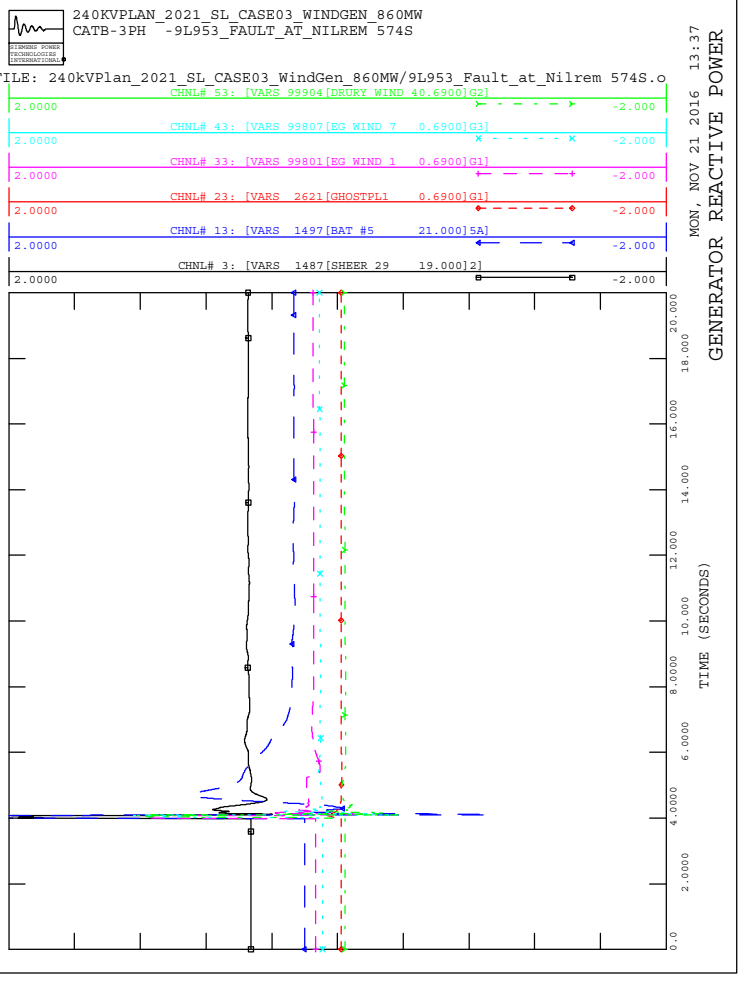
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

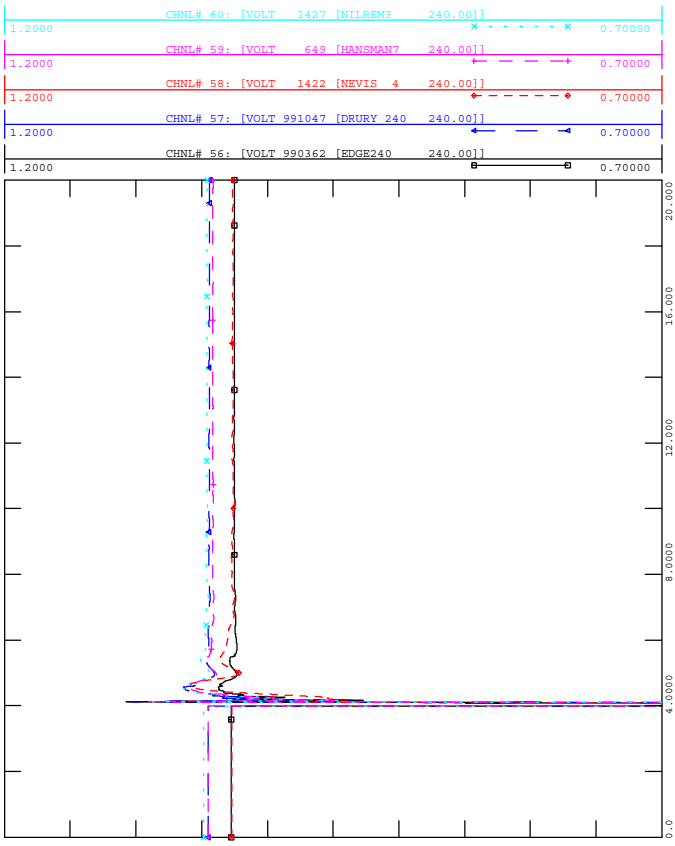

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 13:37

BUS VOLTAGE

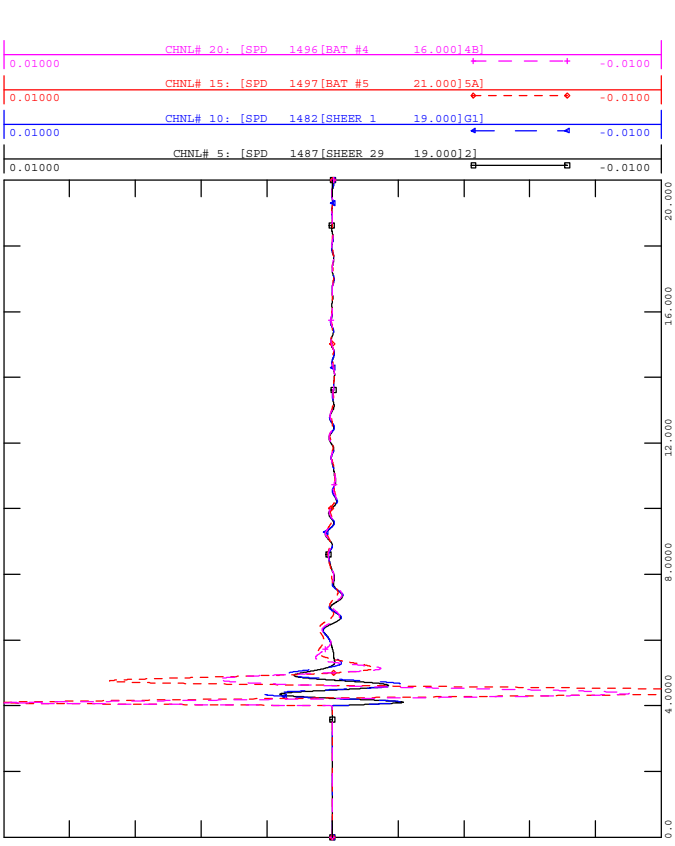


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 13:37

MACHINE SPEED

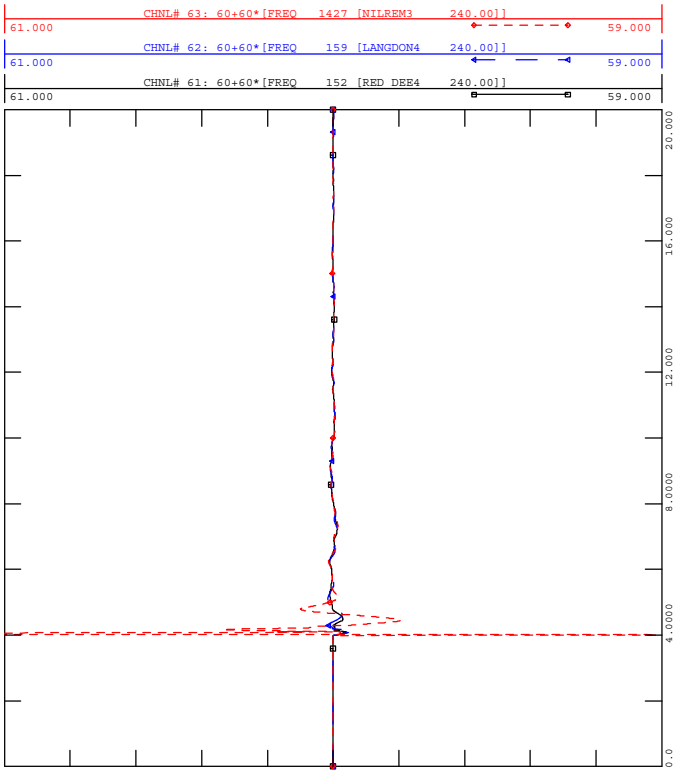


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 13:37

FREQUENCY

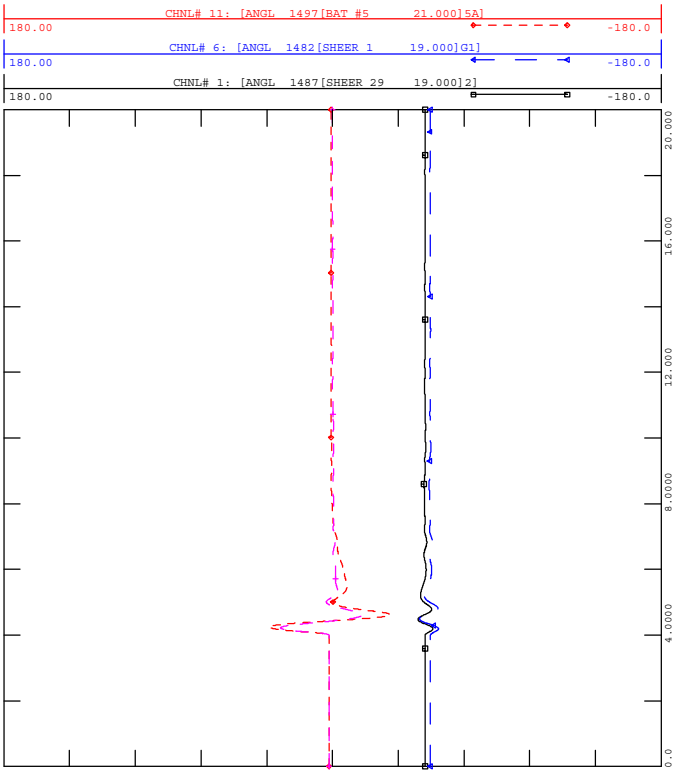


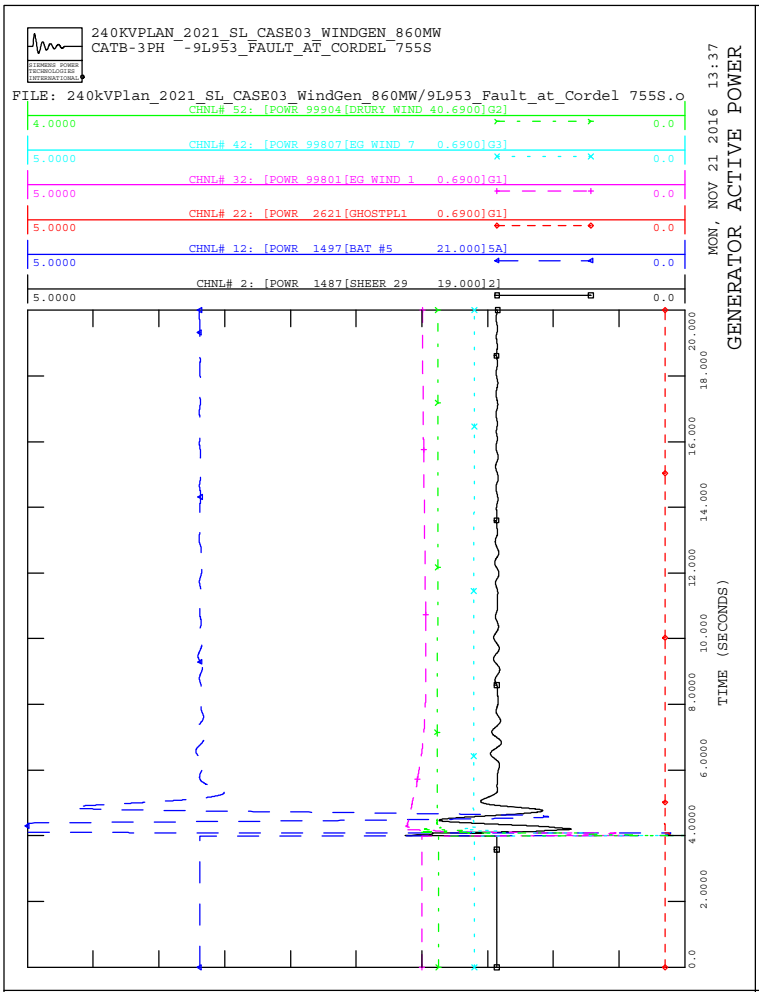
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

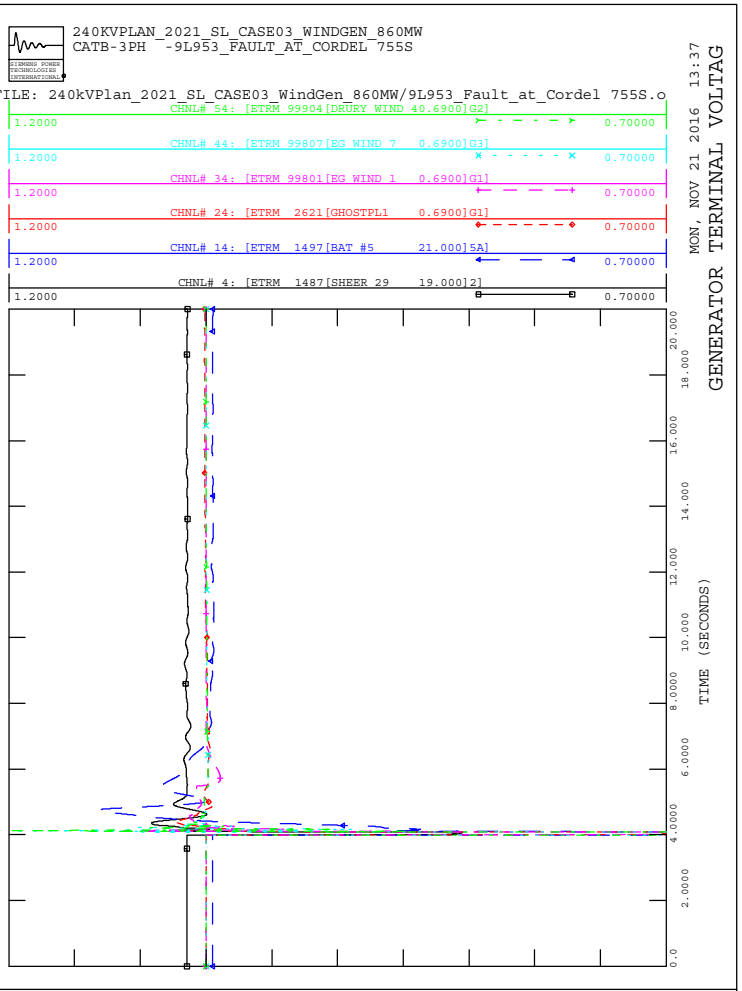
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

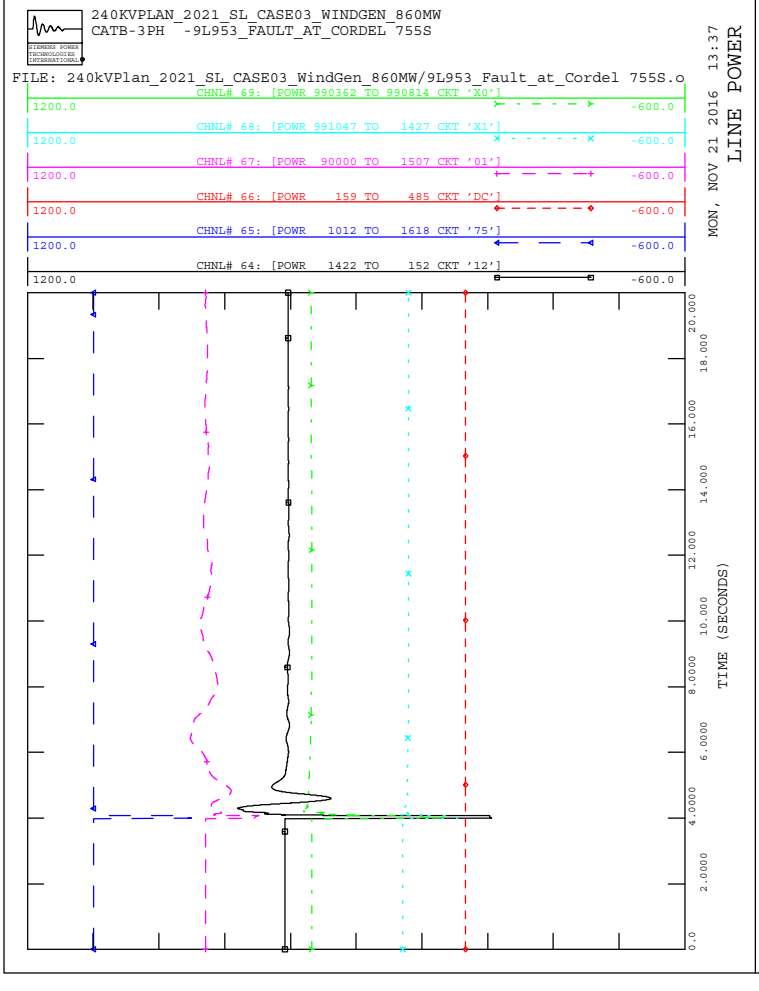
MON, NOV 21 2016 13:37

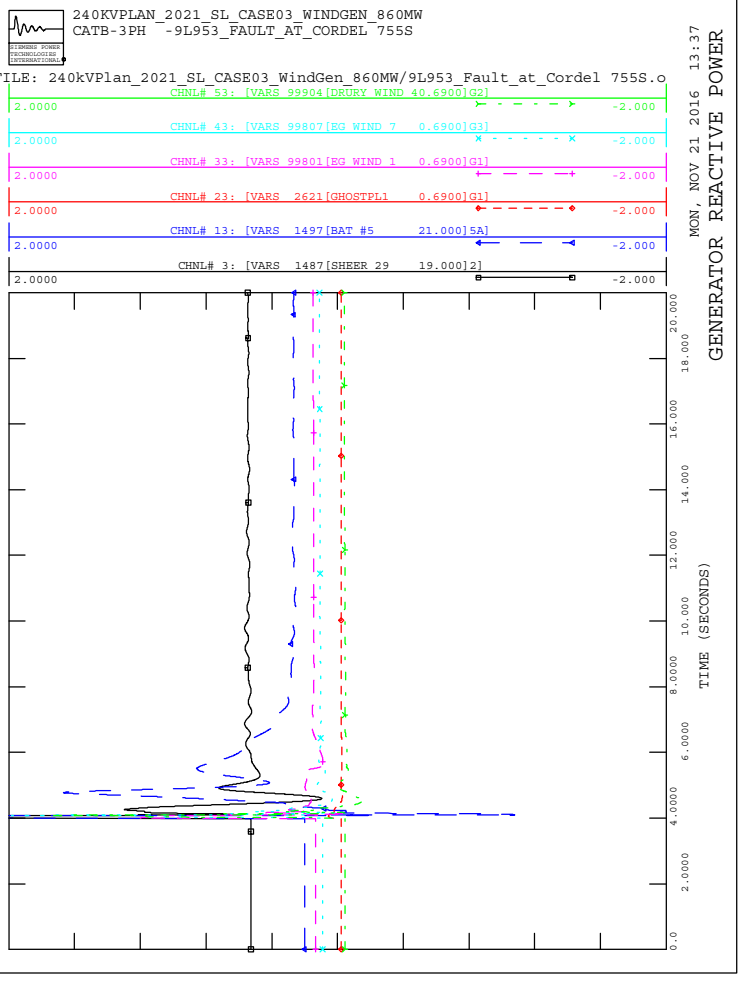
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

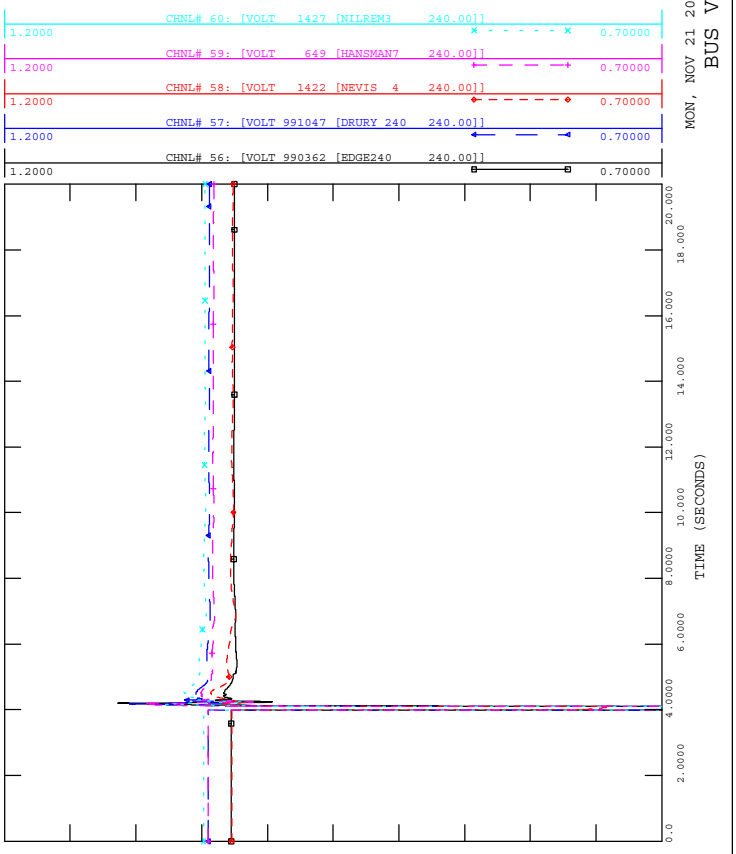

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:37

BUS VOLTAGE

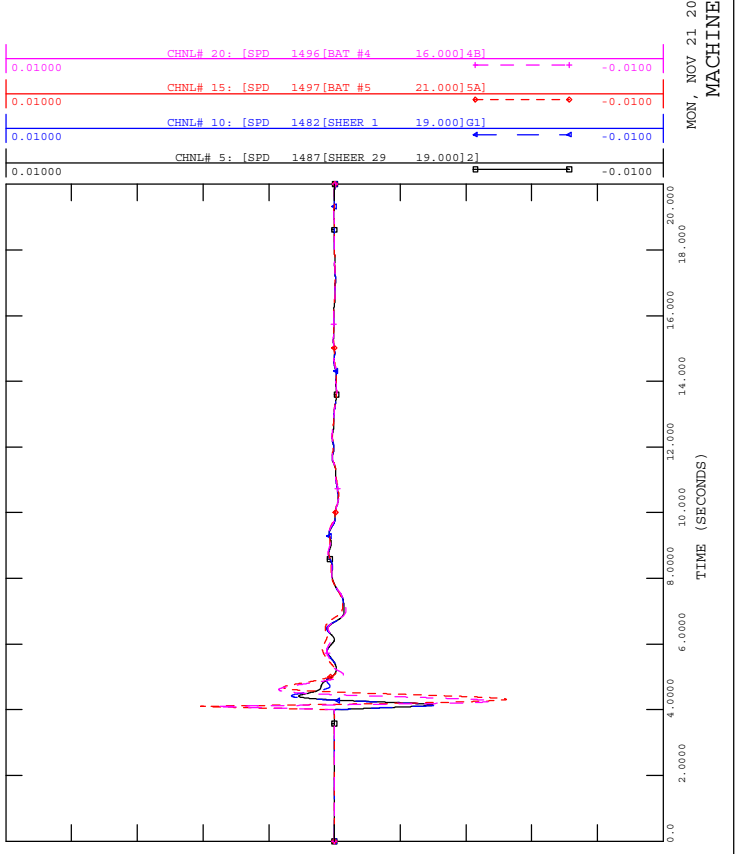


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:37

MACHINE SPEED

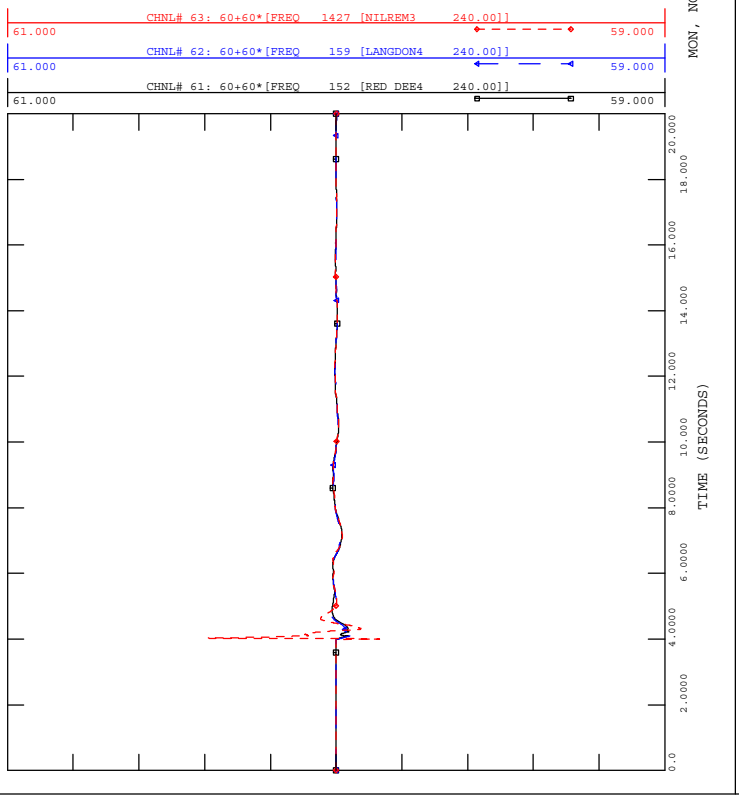


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:37

FREQUENCY

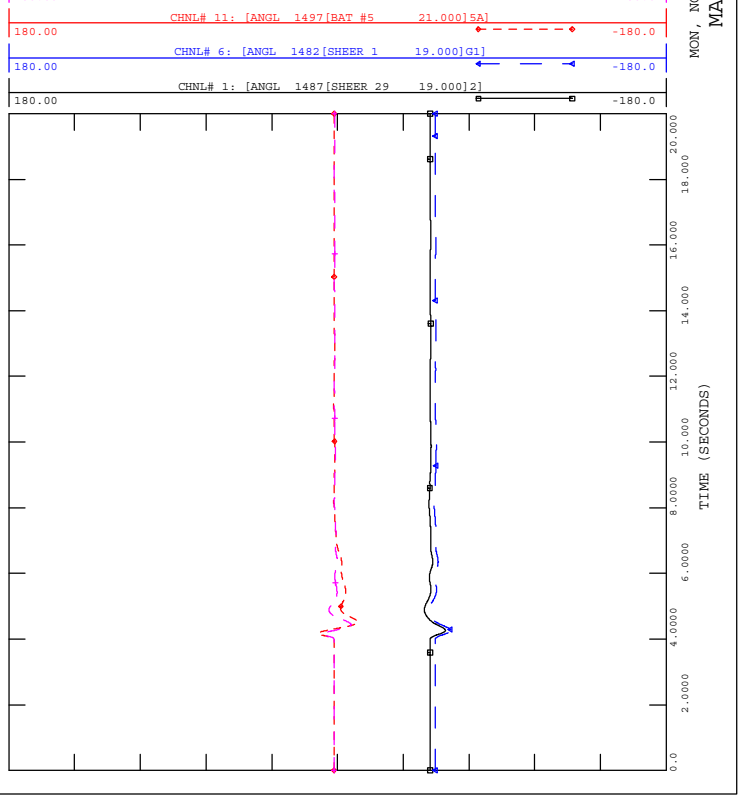


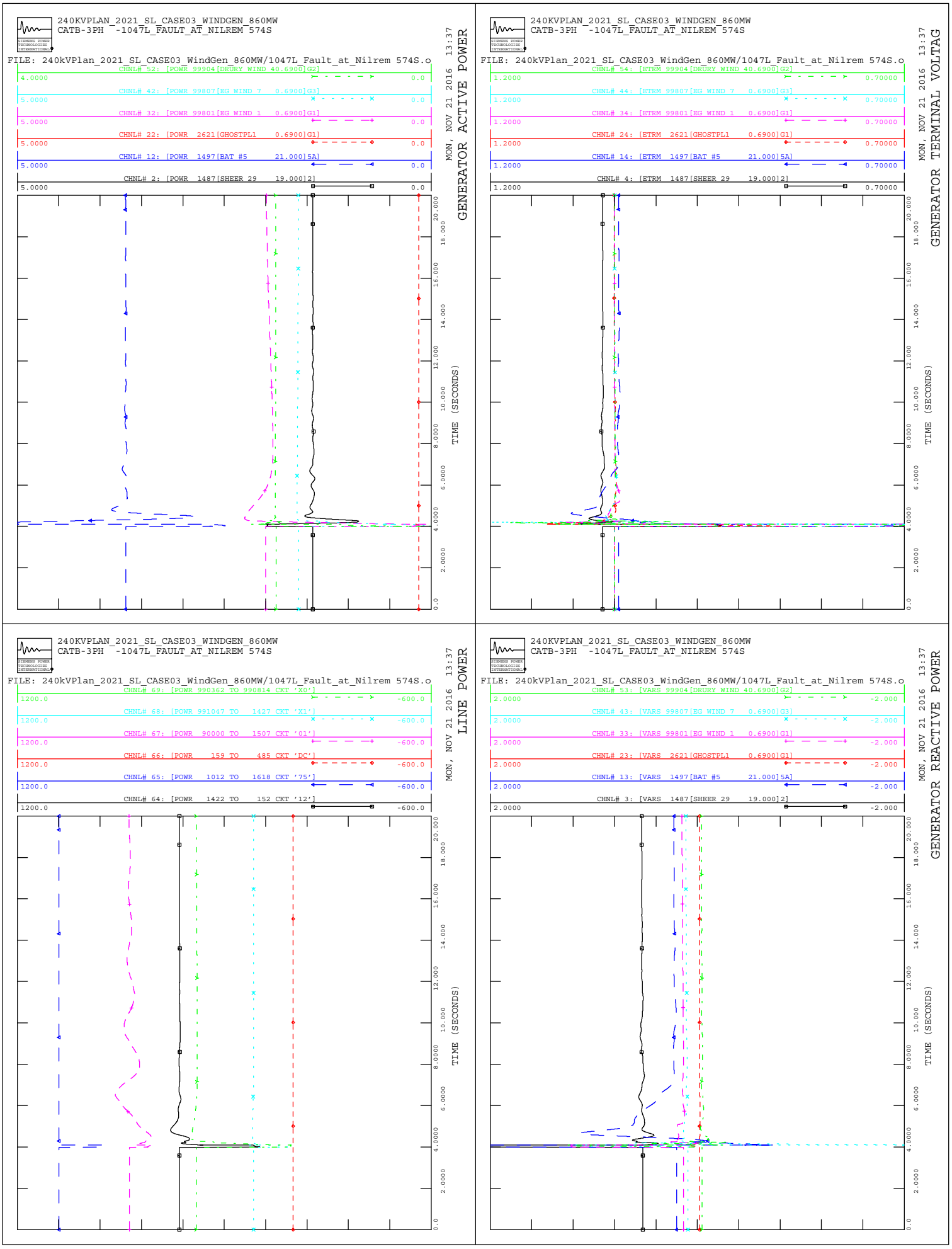
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:37

MACHINE ANGEL



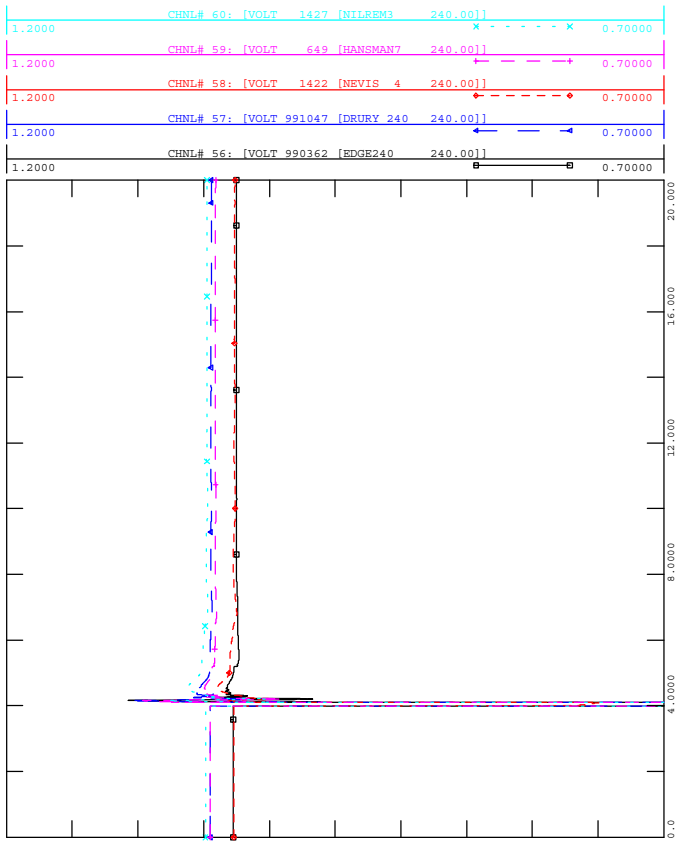

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake

MON, NOV 21 2016 13:37

BUS VOLTAGE

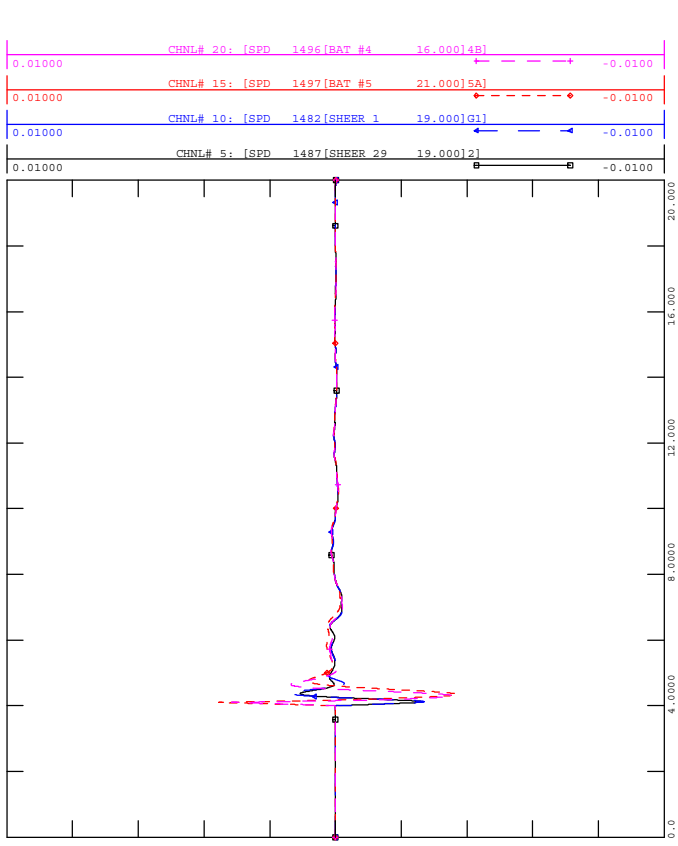


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake

MON, NOV 21 2016 13:37

MACHINE SPEED

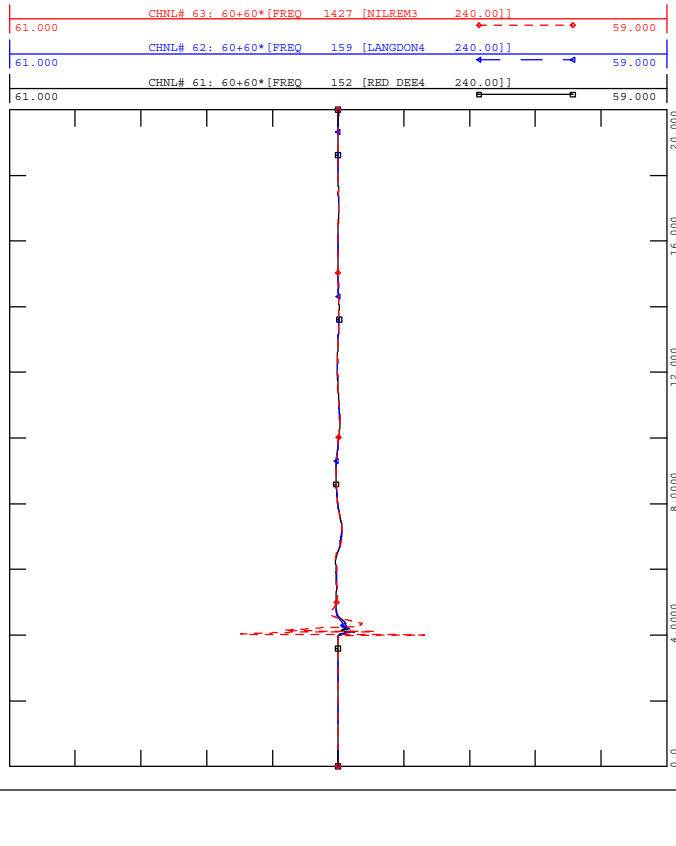


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake

MON, NOV 21 2016 13:37

FREQUENCY

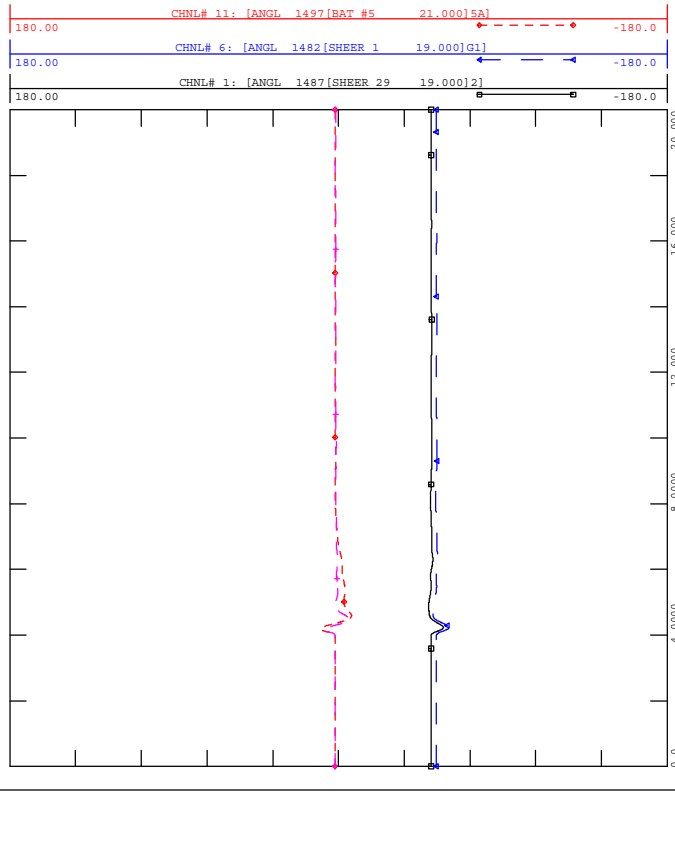


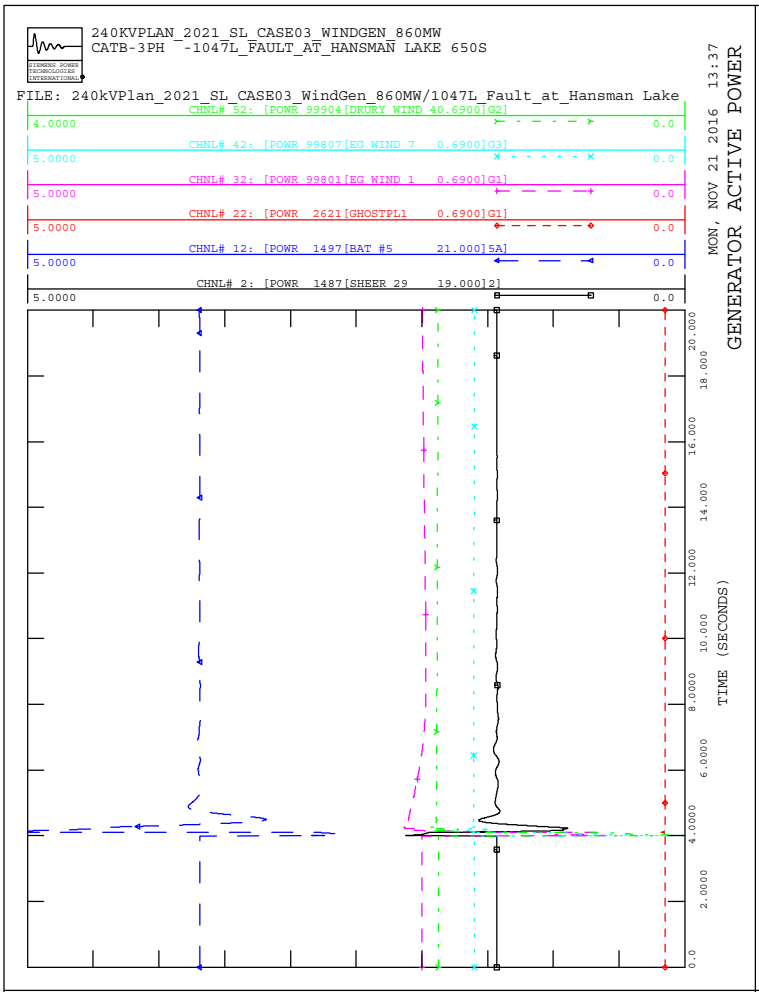
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

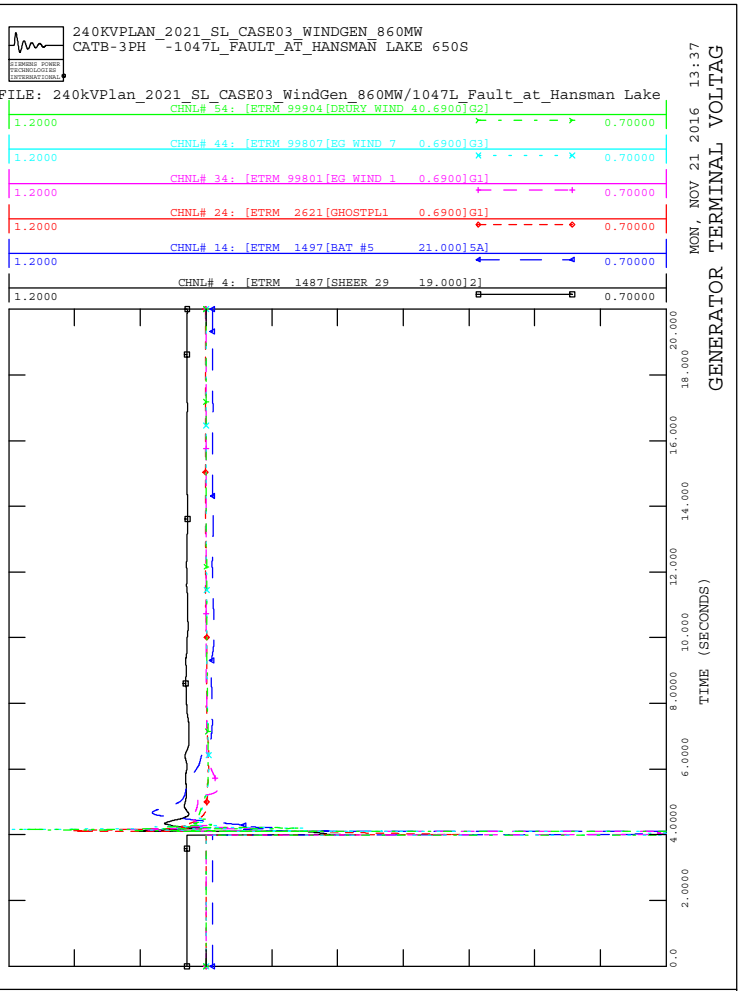
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake

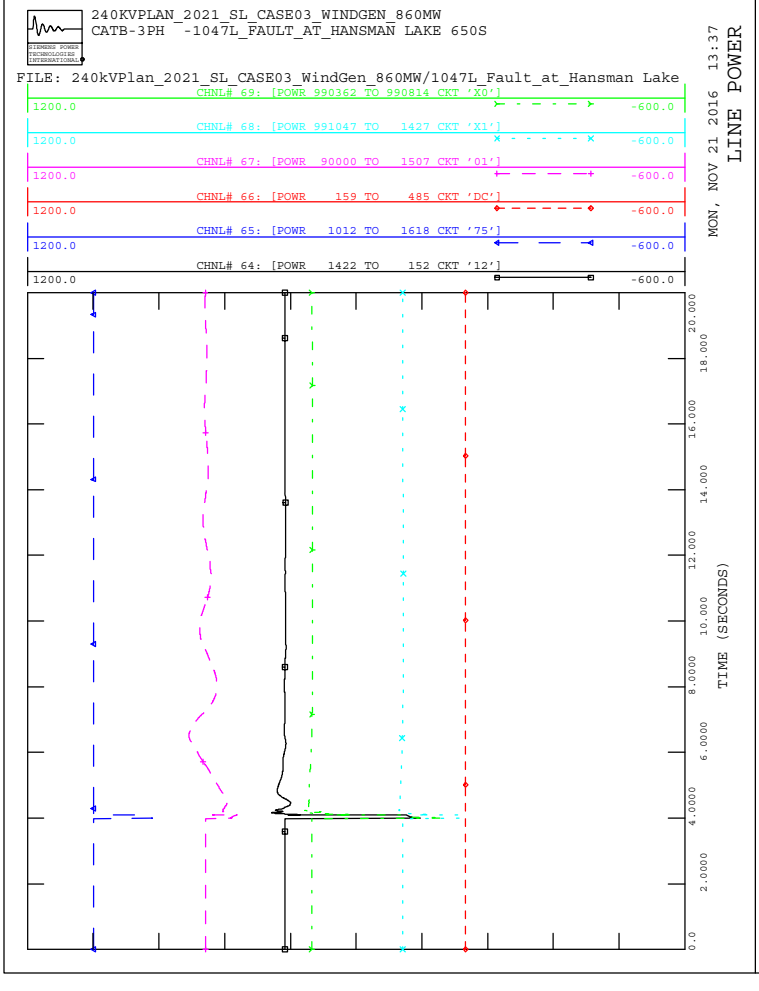
MON, NOV 21 2016 13:37

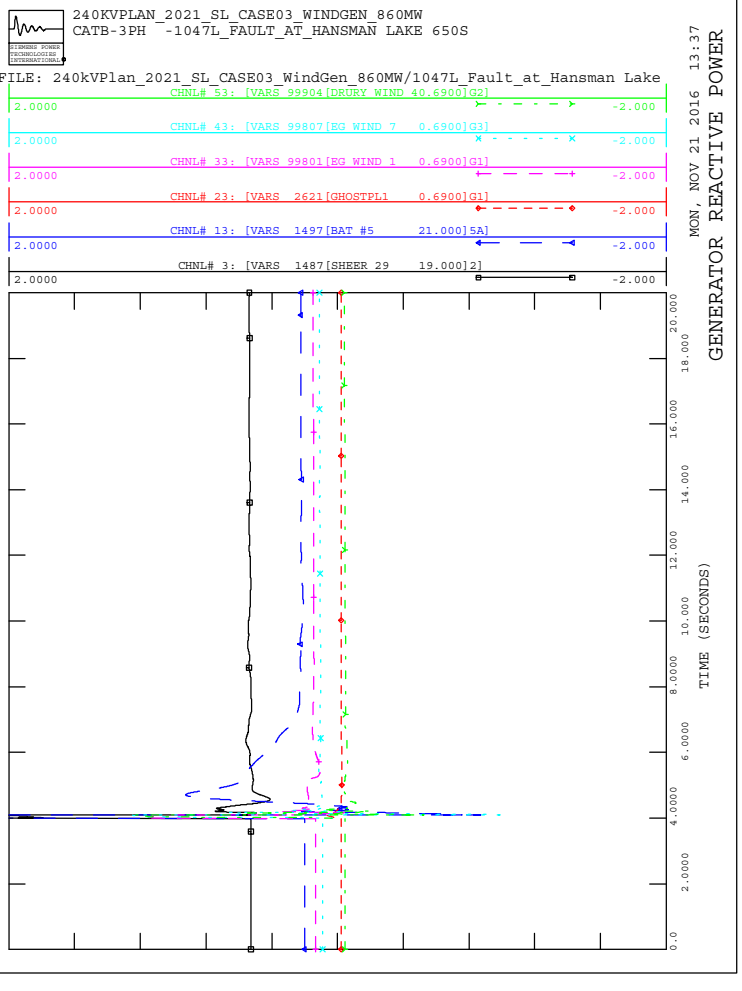
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)

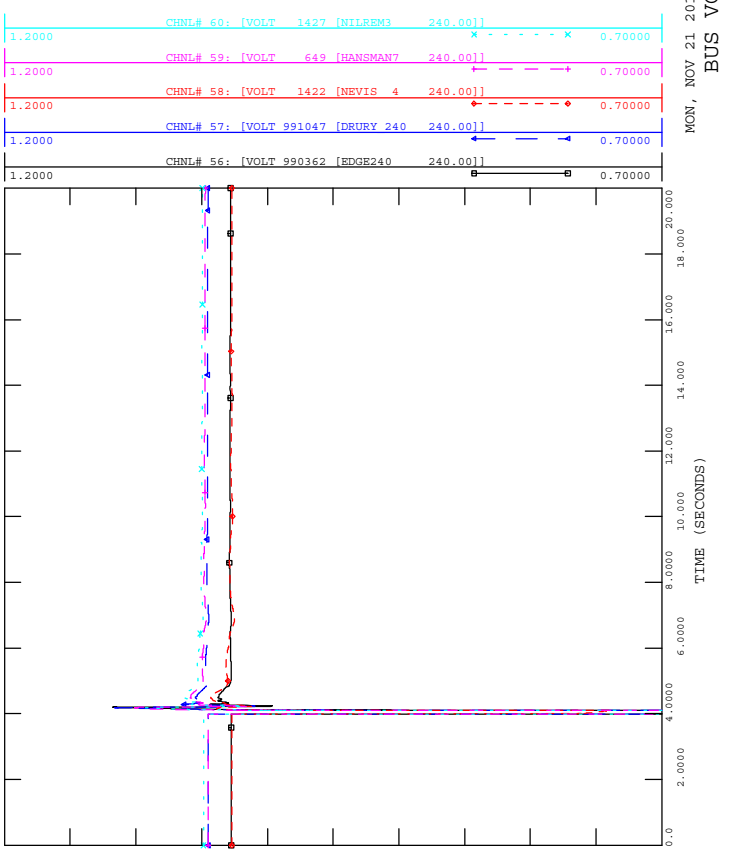

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

BUS VOLTAGE

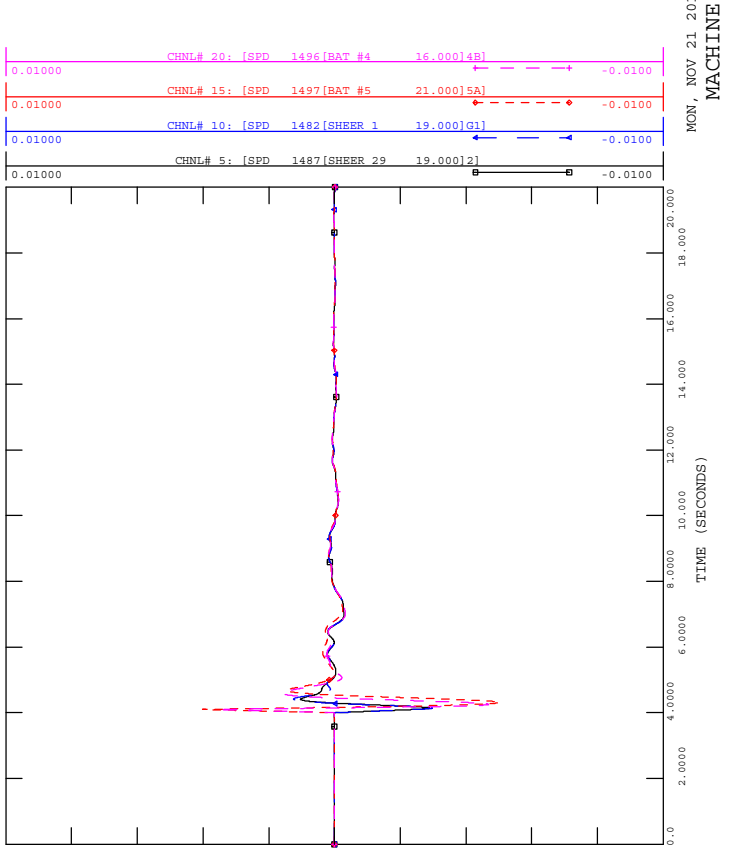


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

MACHINE SPEED

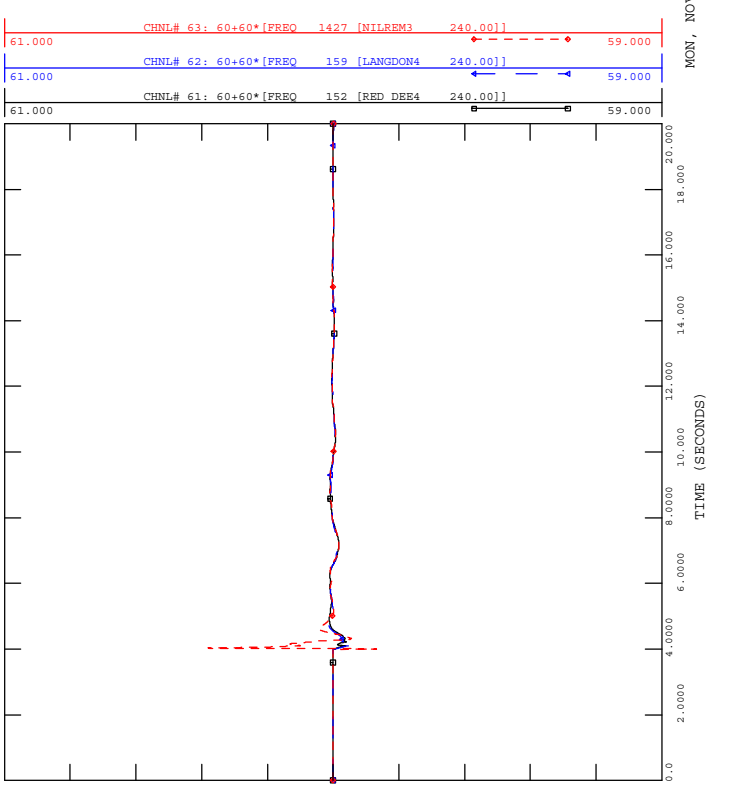


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:37

FREQUENCY

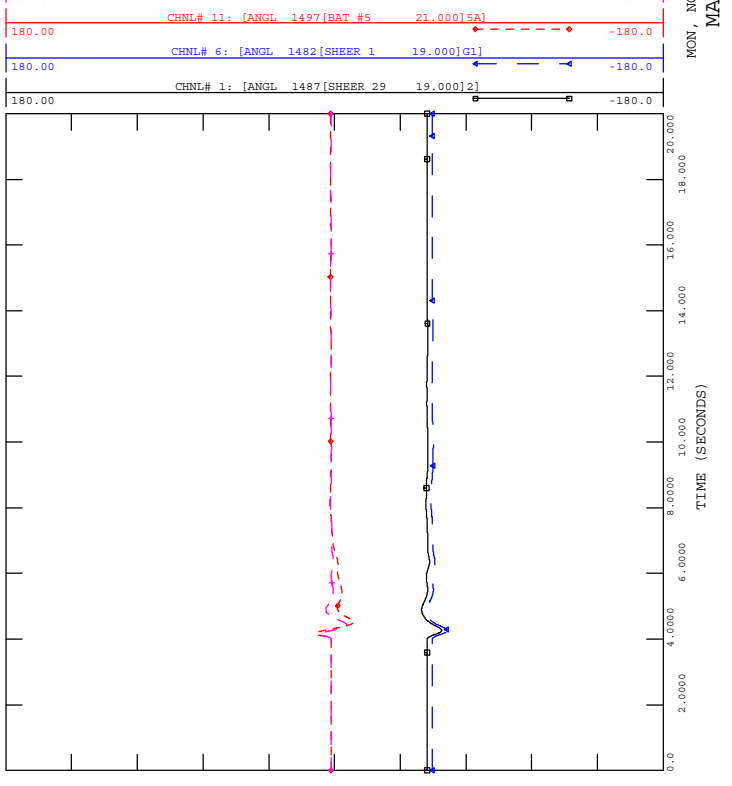


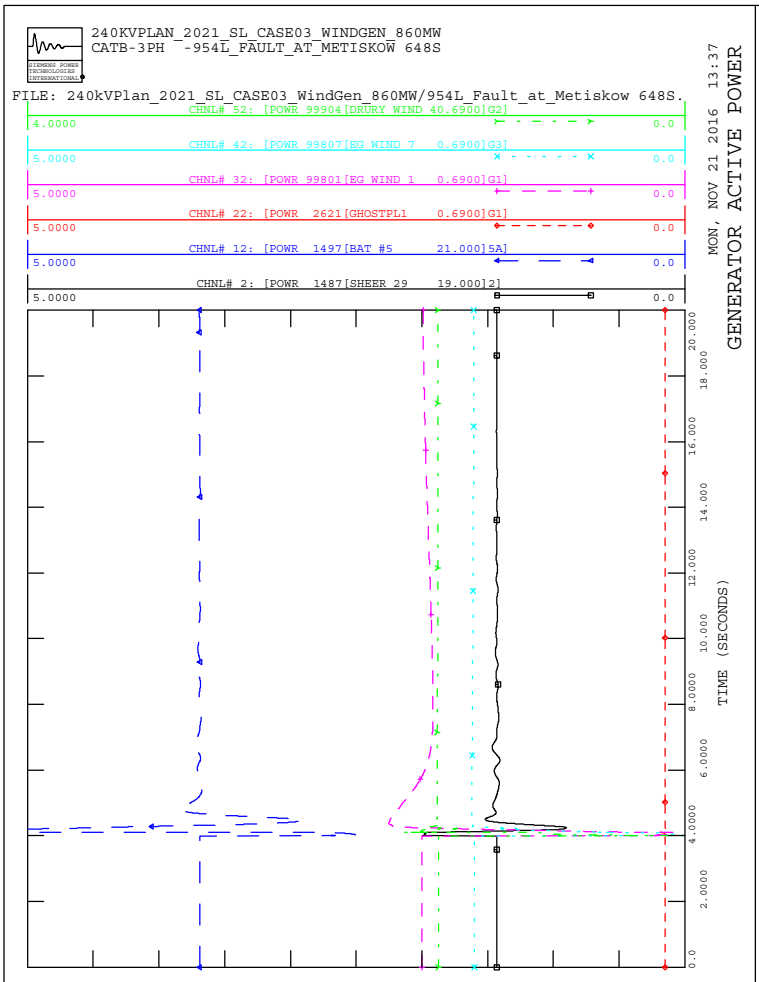
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

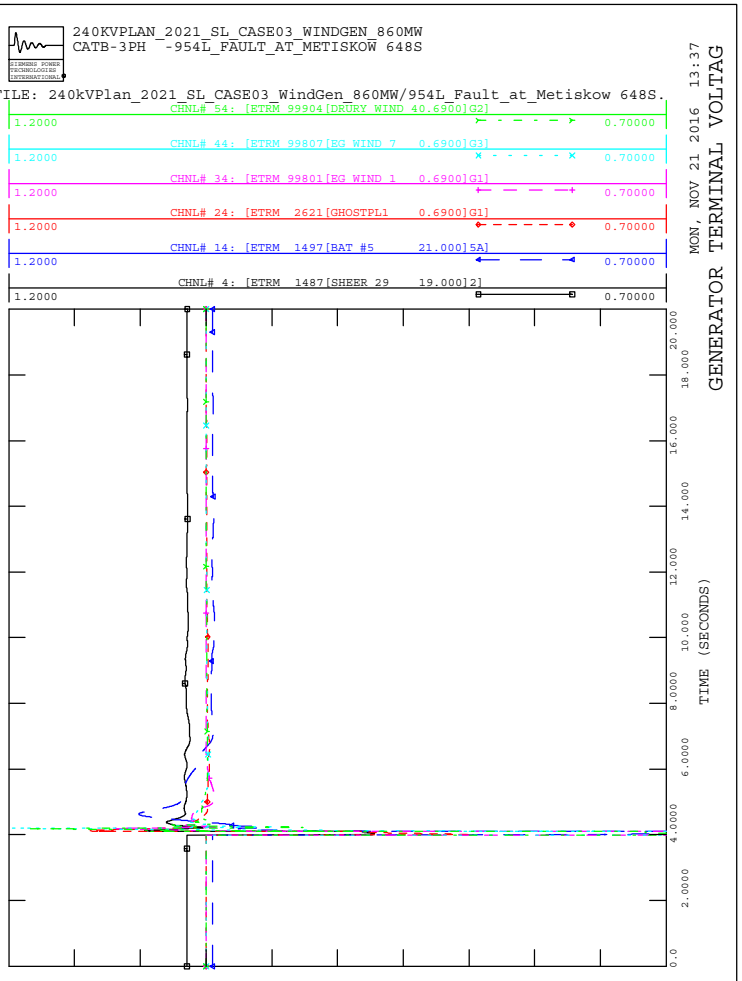
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.

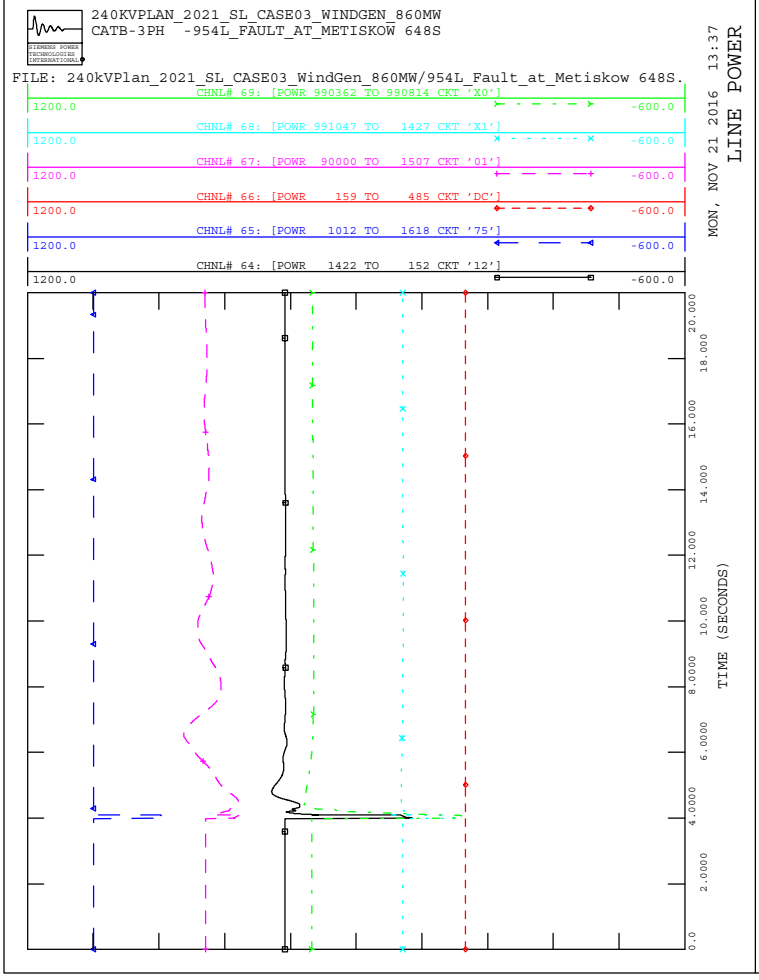
MON, NOV 21 2016 13:37

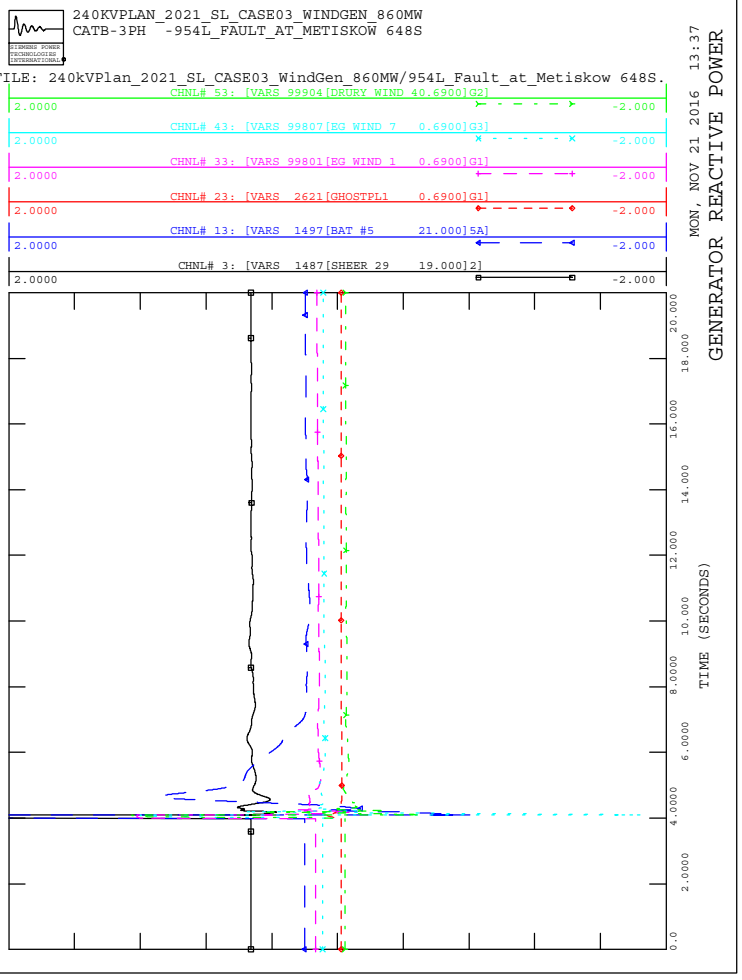
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

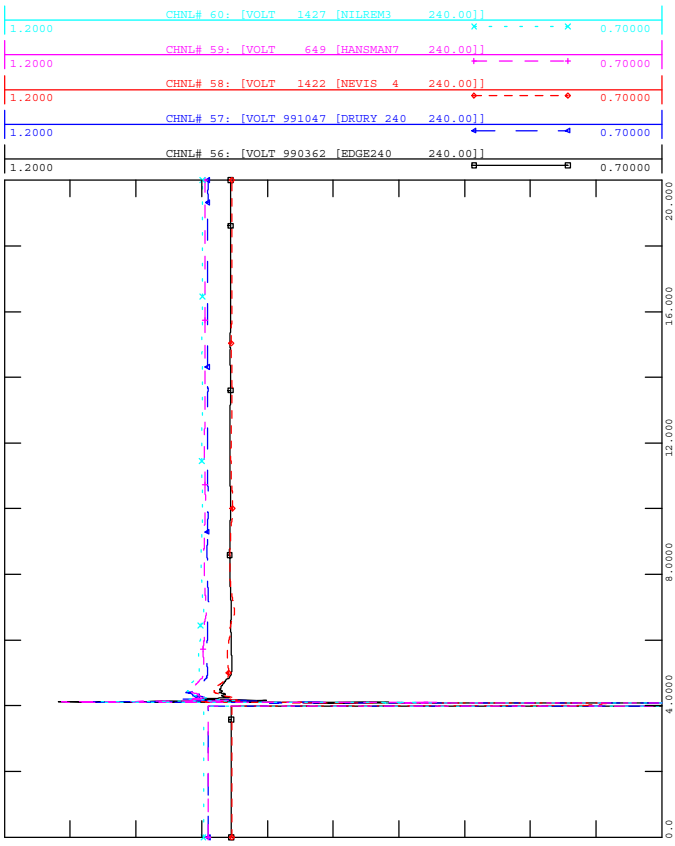

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:37

BUS VOLTAGE

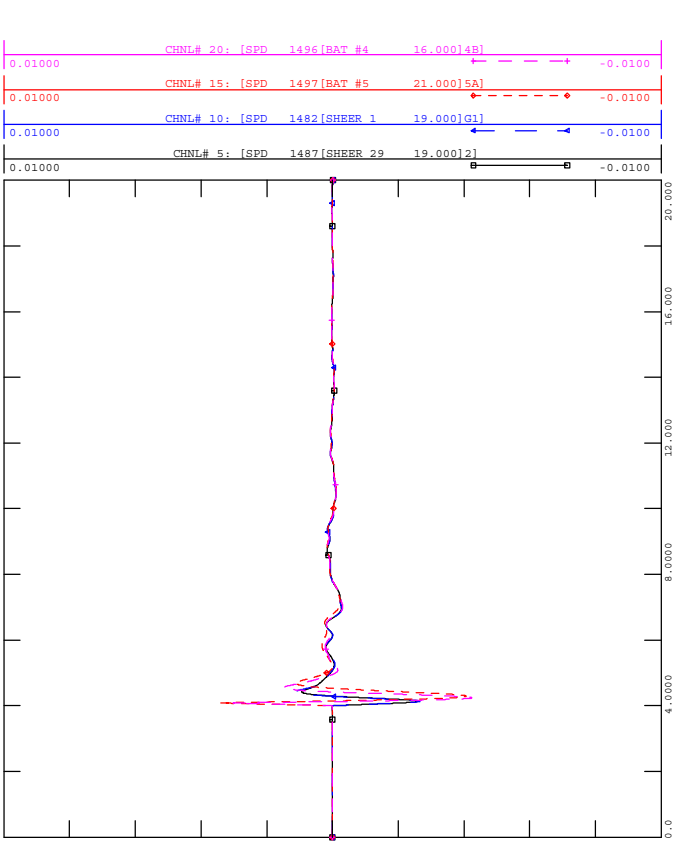


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:37

MACHINE SPEED

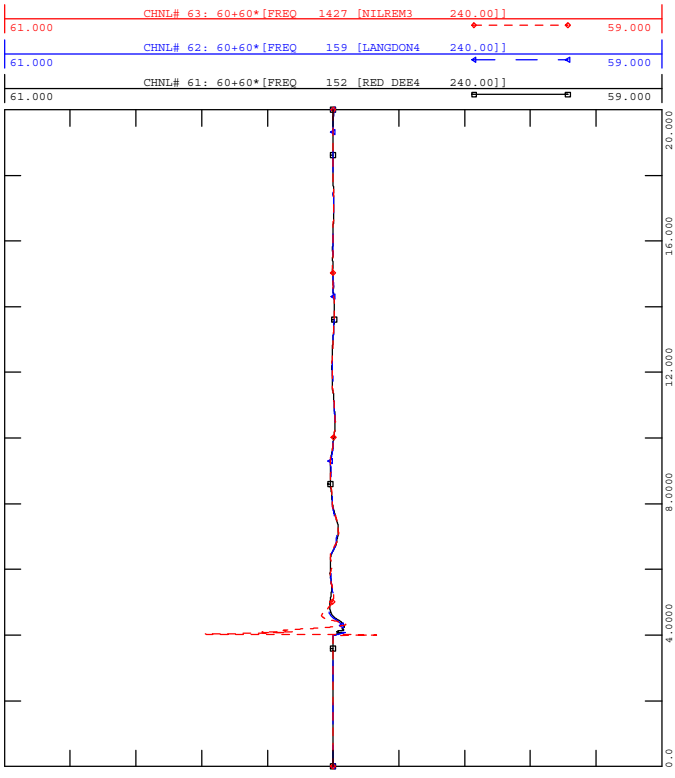


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:37

FREQUENCY

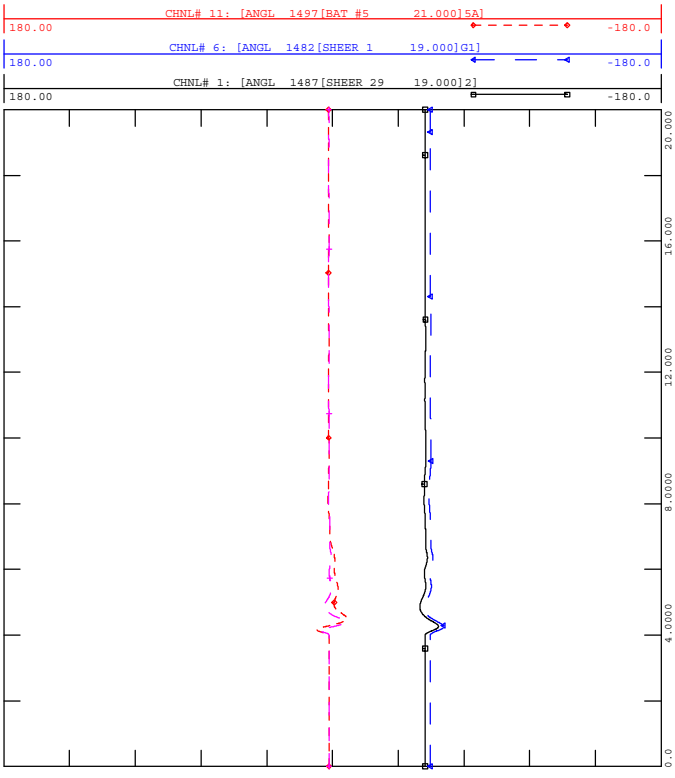


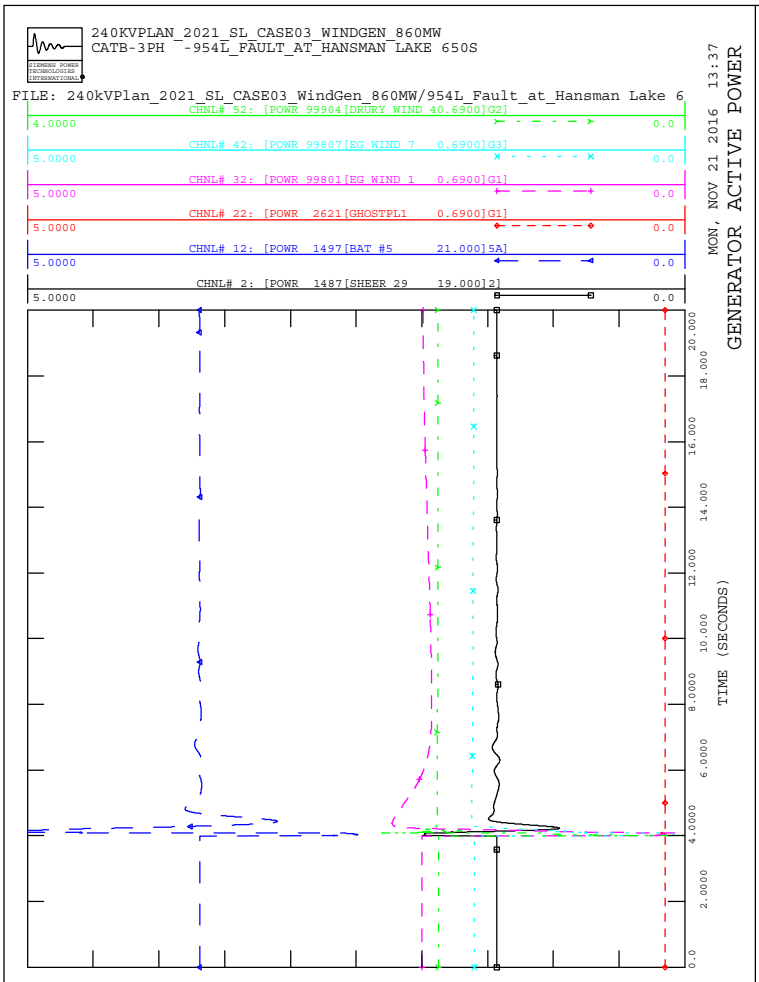
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

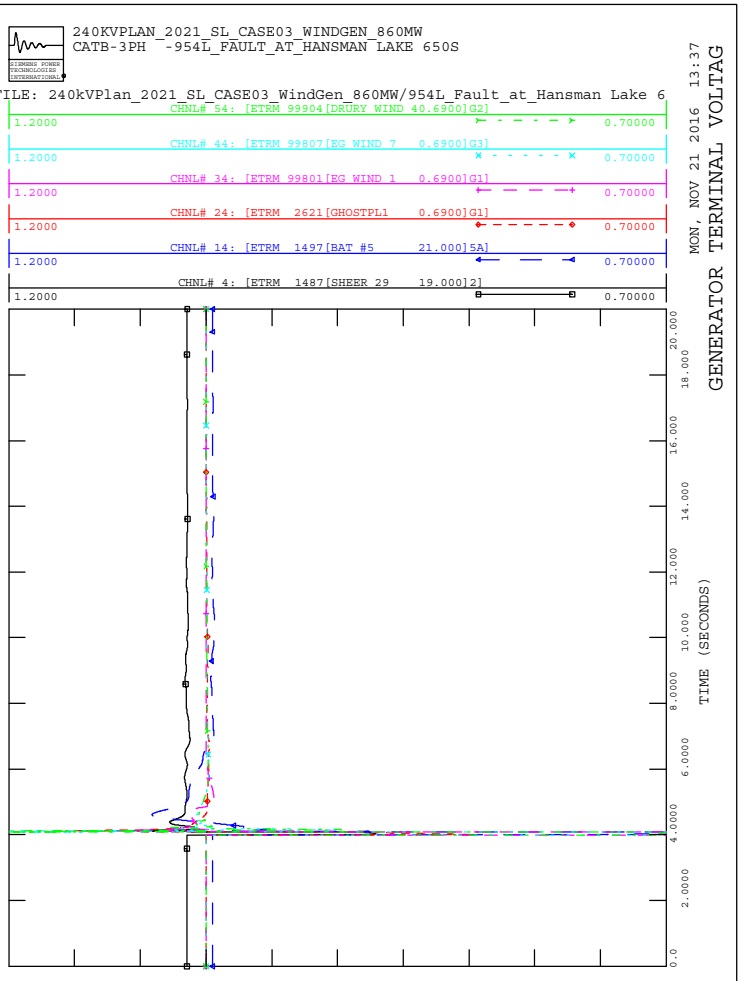
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman Lake 6

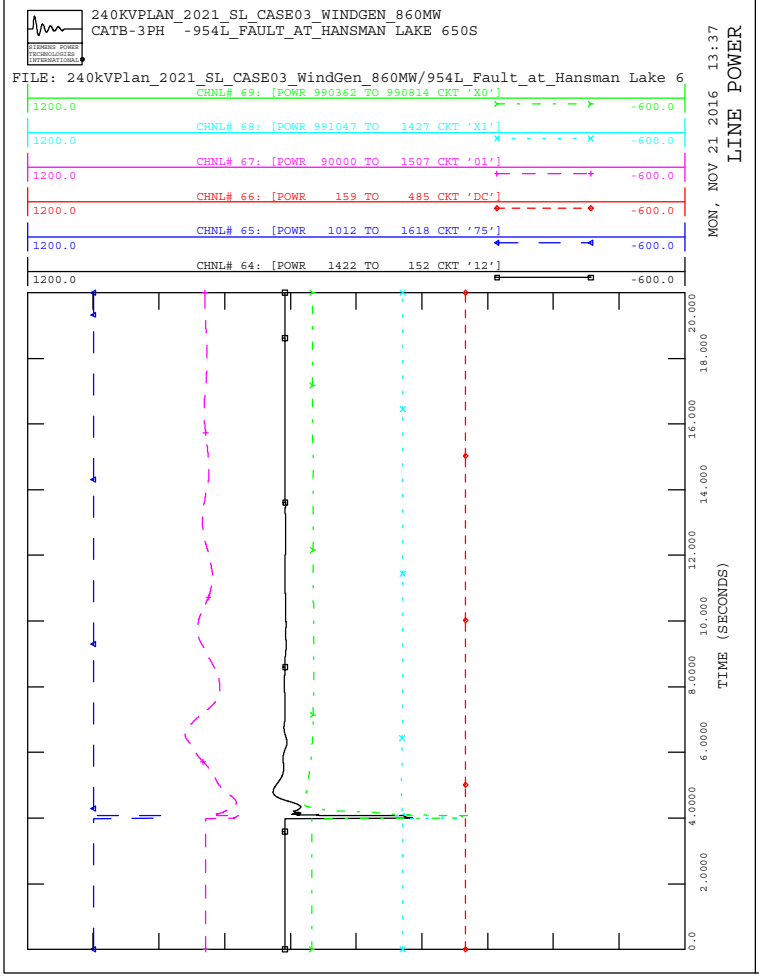
MON, NOV 21 2016 13:37

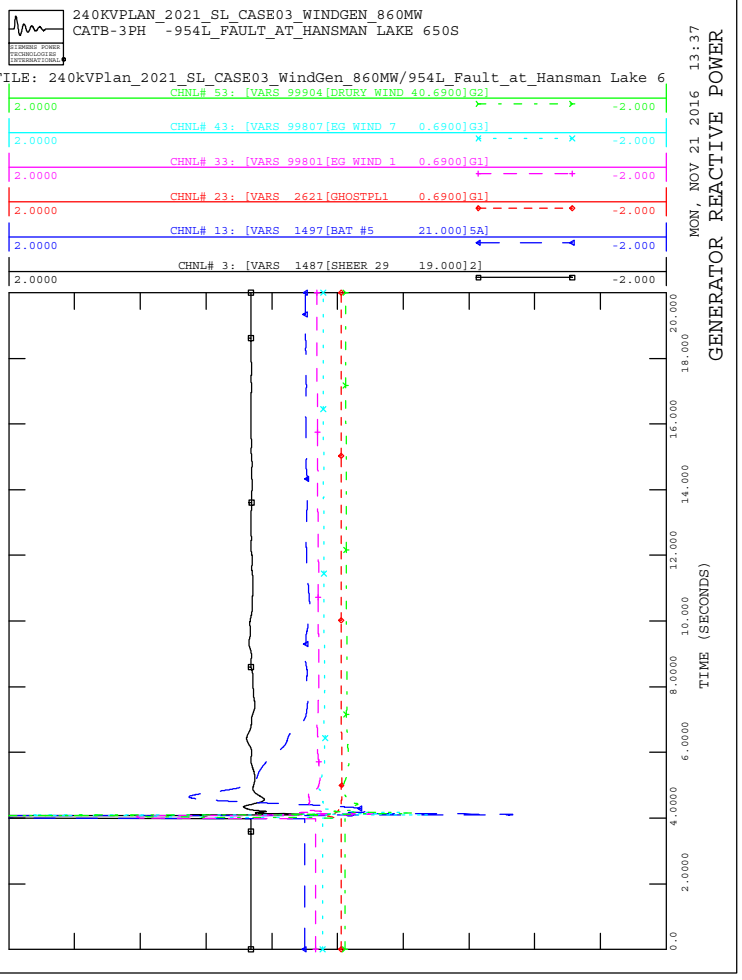
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman_Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman_Lake 6
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman_Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:37

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
1.2000 0.70000

CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
1.2000 0.70000

CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
1.2000 0.70000

CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
1.2000 0.70000

CHNL# 56: [VOLT 990362 [EDGE240 240.00]]
1.2000 0.70000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:37

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
0.01000 -0.0100

CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
0.01000 -0.0100

CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
0.01000 -0.0100

CHNL# 5: [SPD 1487[SHEER 29 19.000]2]
0.01000 -0.0100

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:37

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
61.000 59.000

CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
61.000 59.000

CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]
61.000 59.000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:37

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
180.00 -180.0

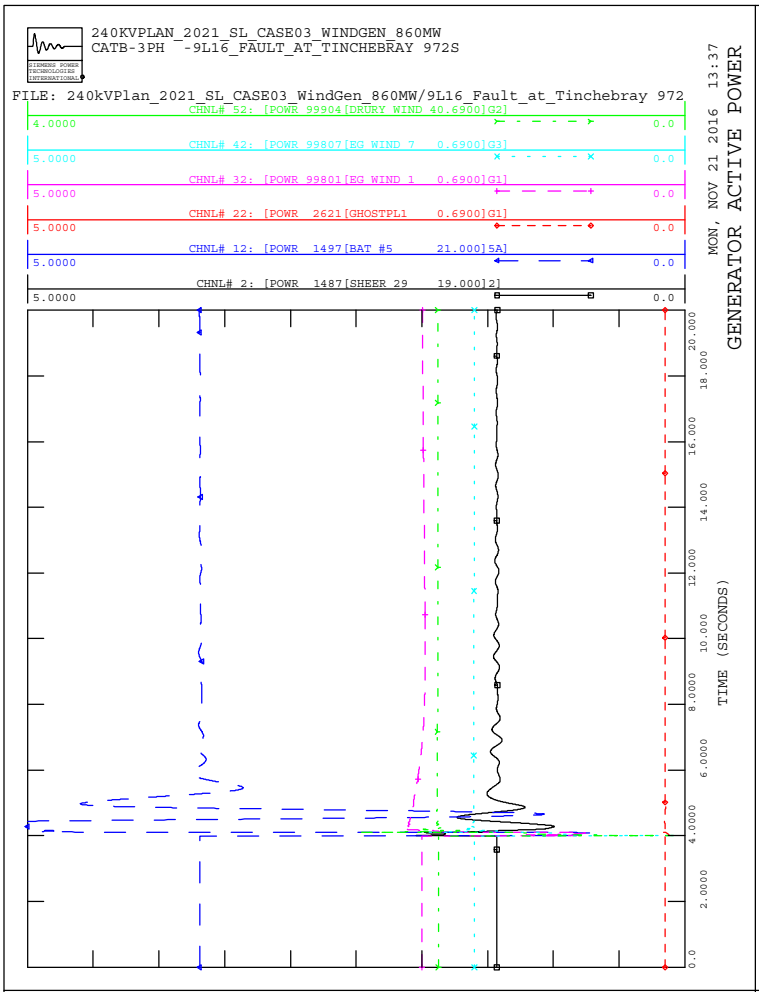
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
180.00 -180.0

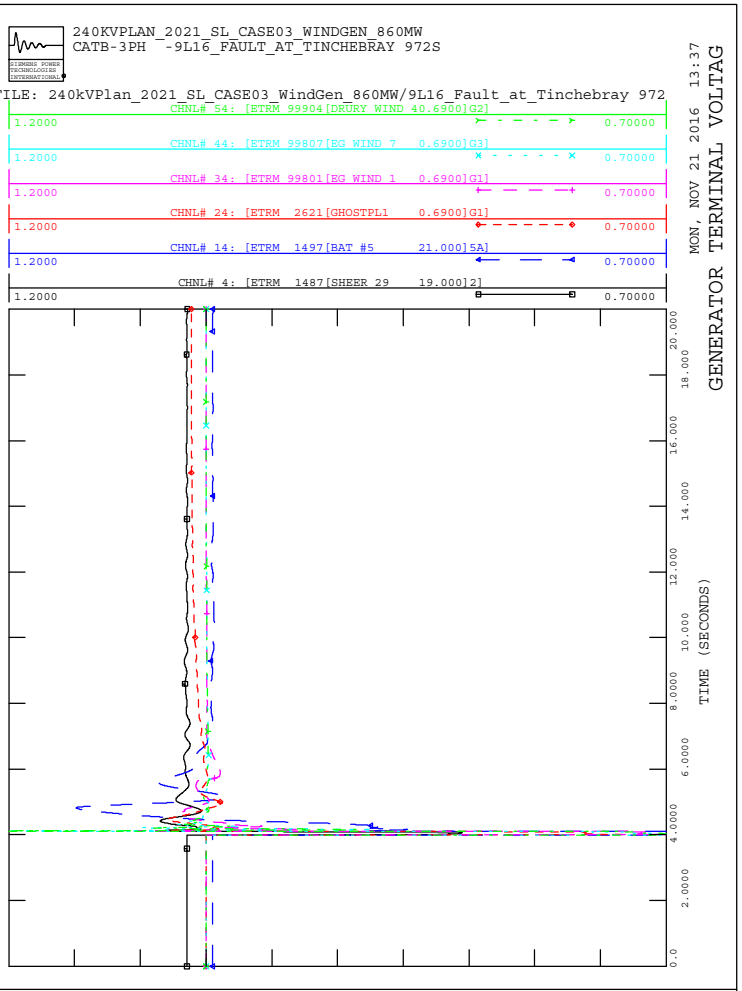
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
180.00 -180.0

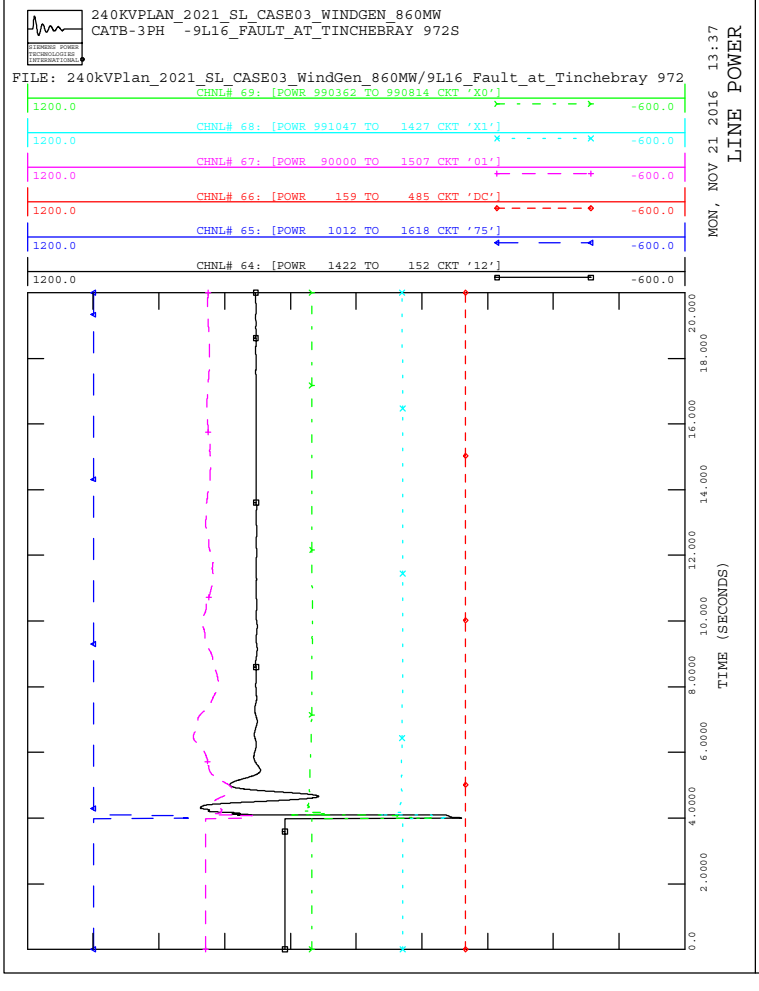
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]
180.00 -180.0

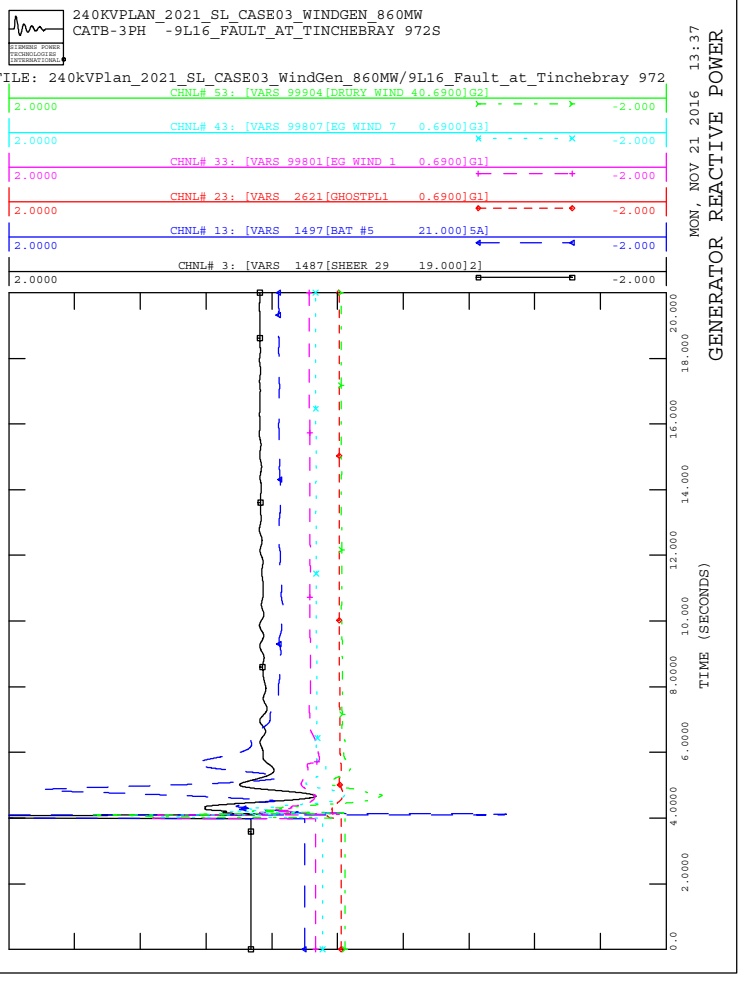
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:37
LINE POWER
TIME (SECONDS)

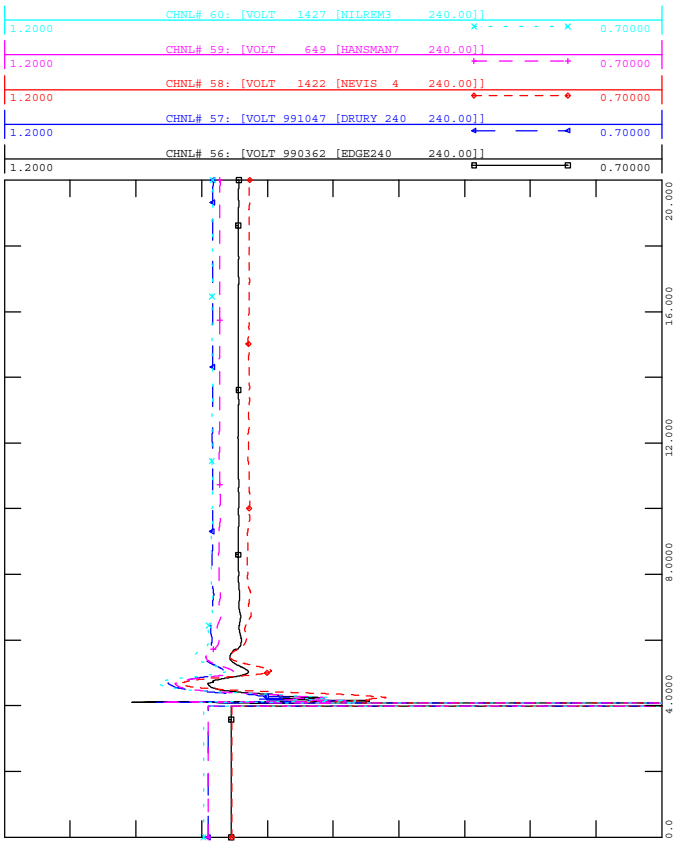

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:37

BUS VOLTAGE

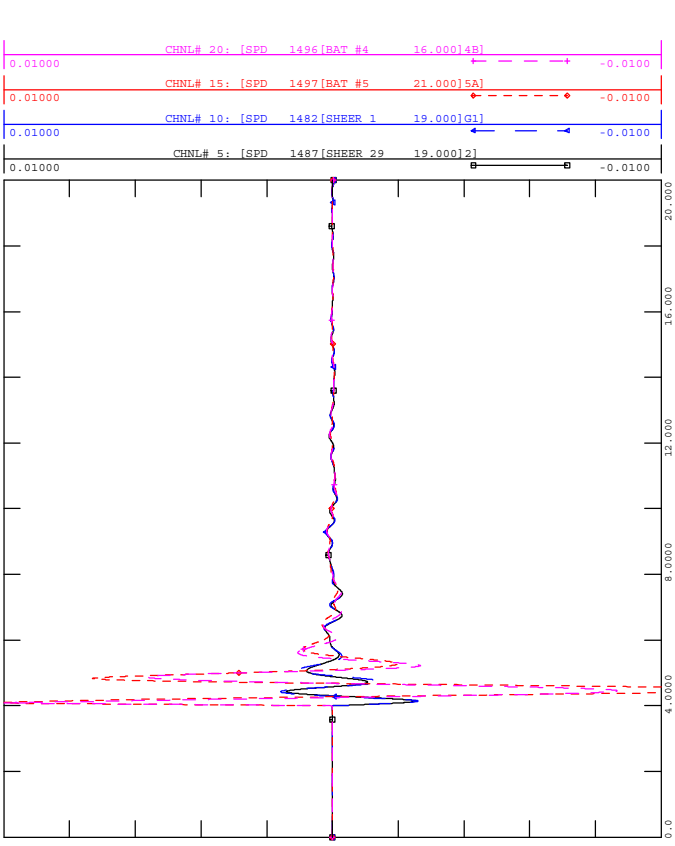


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:37

MACHINE SPEED

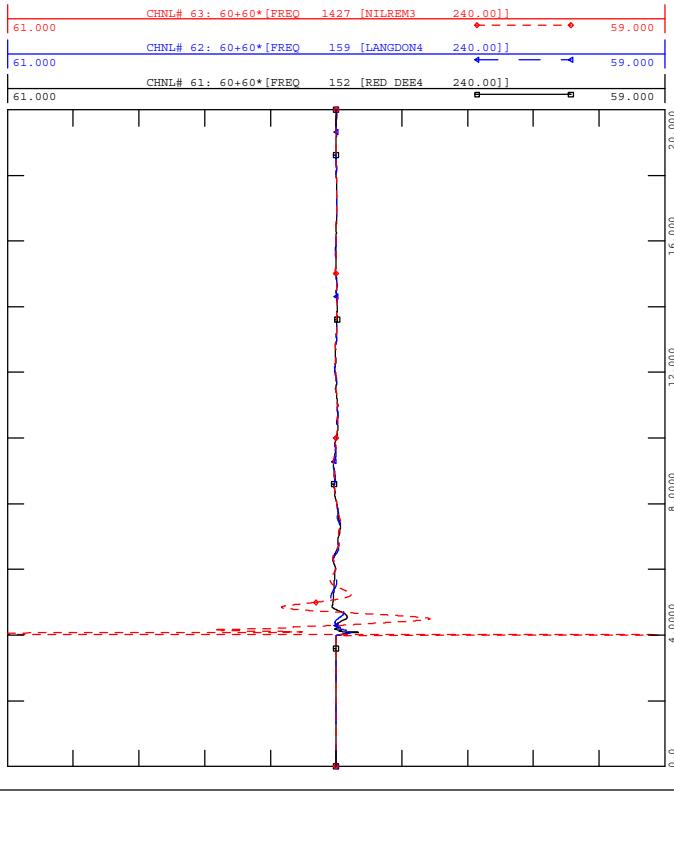


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:37

FREQUENCY

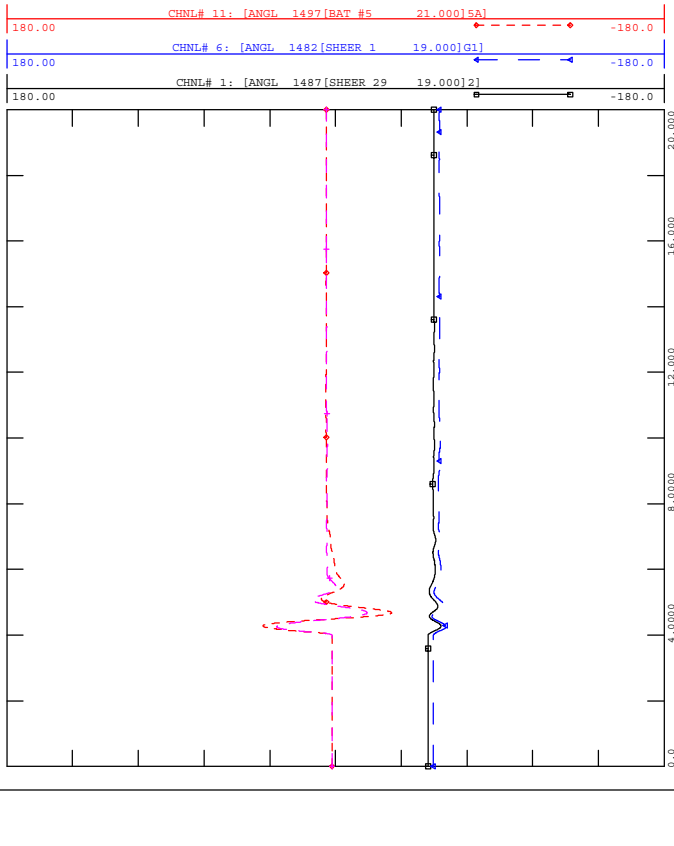


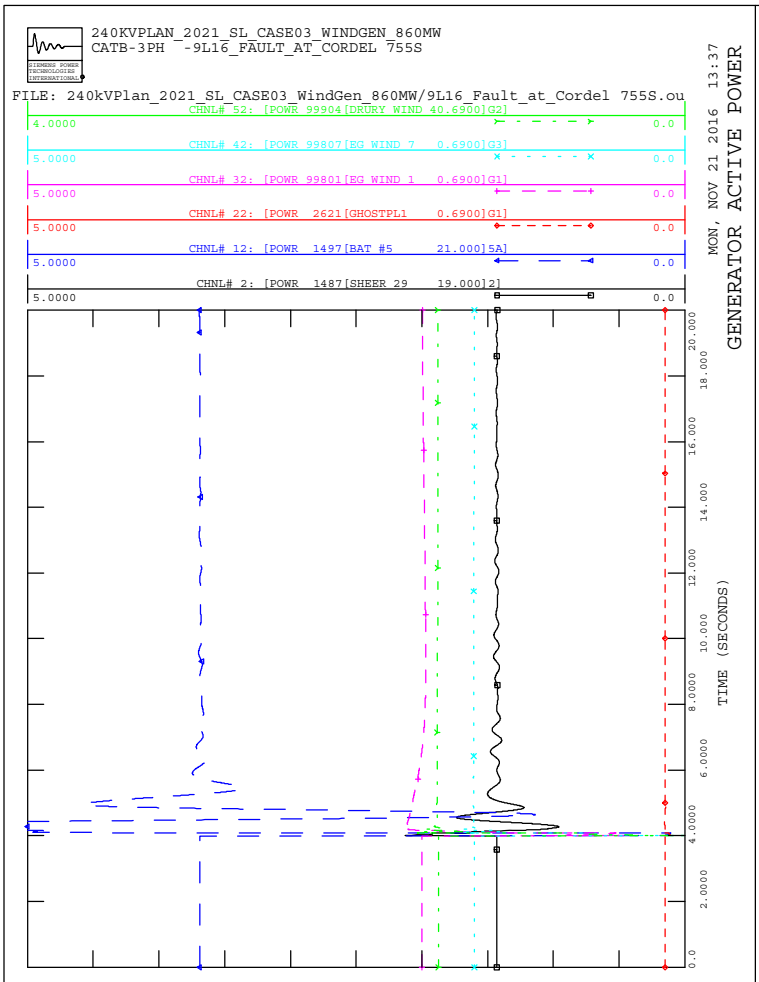
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

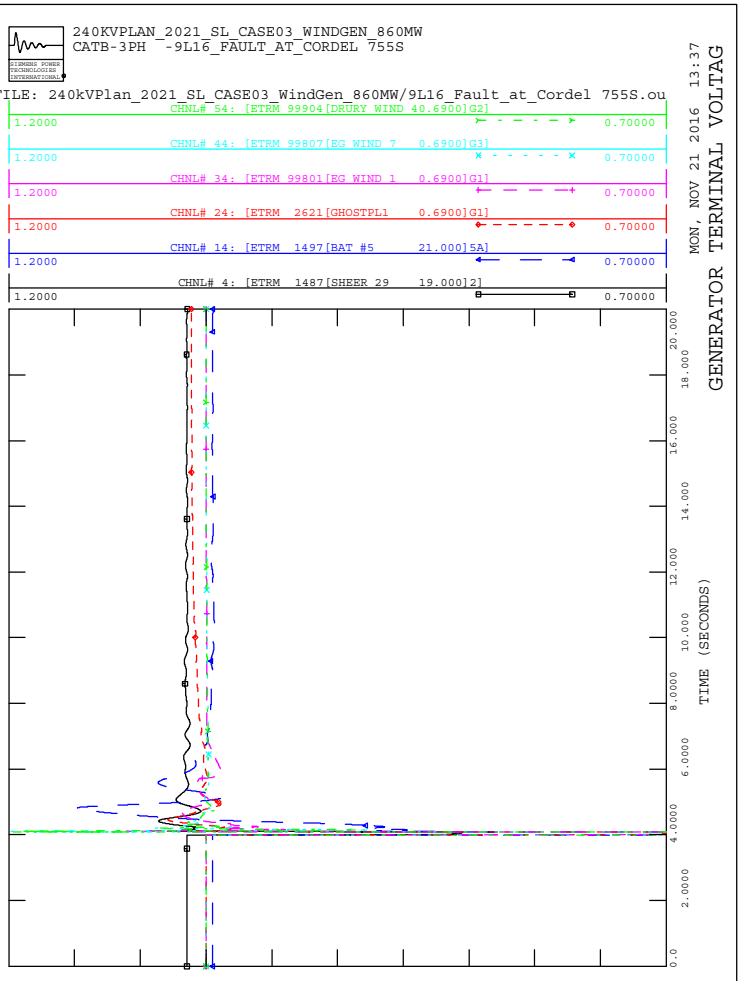
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:37

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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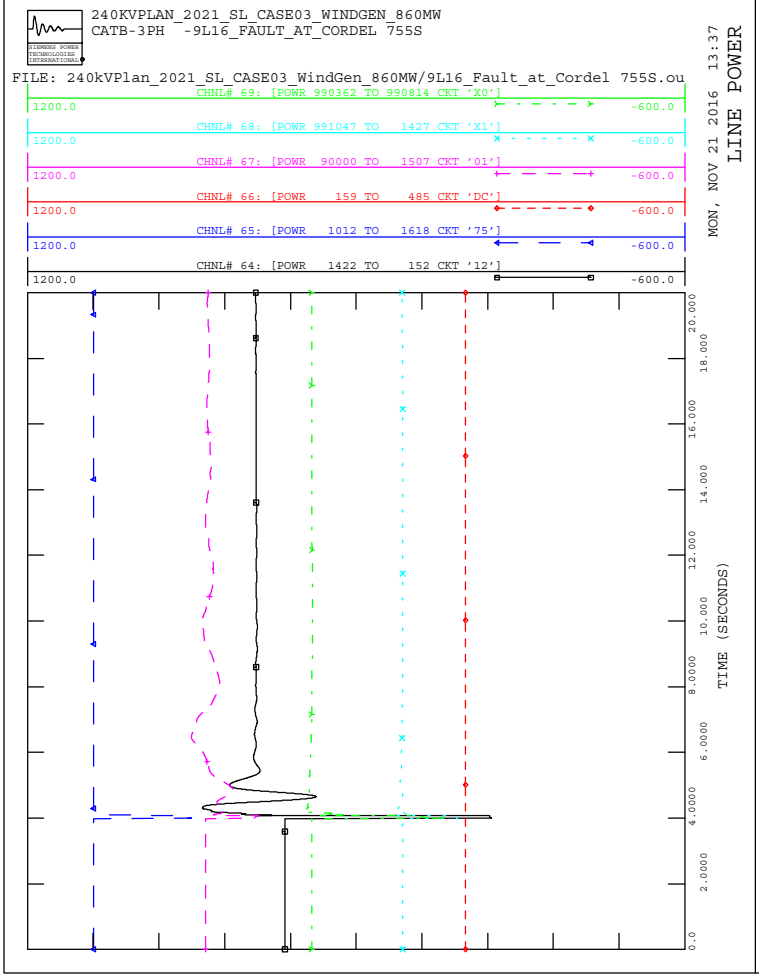
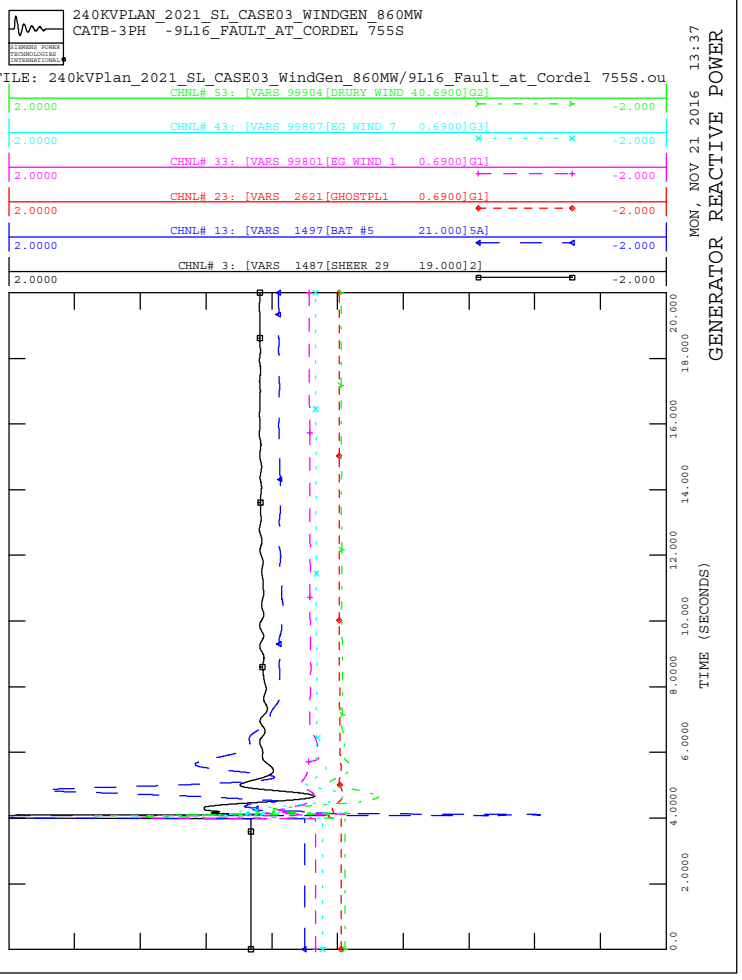
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

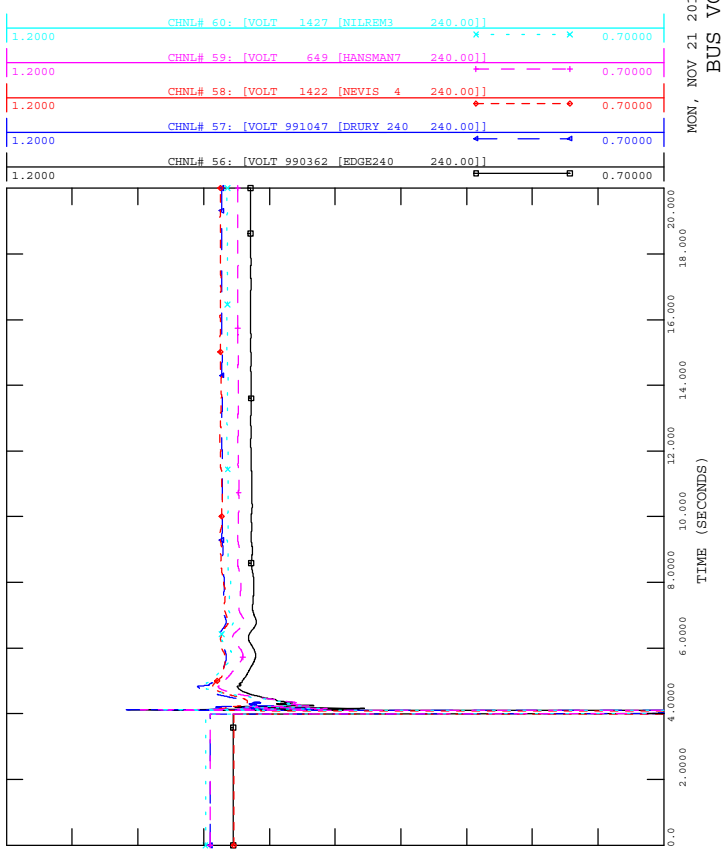

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:37

BUS VOLTAGE

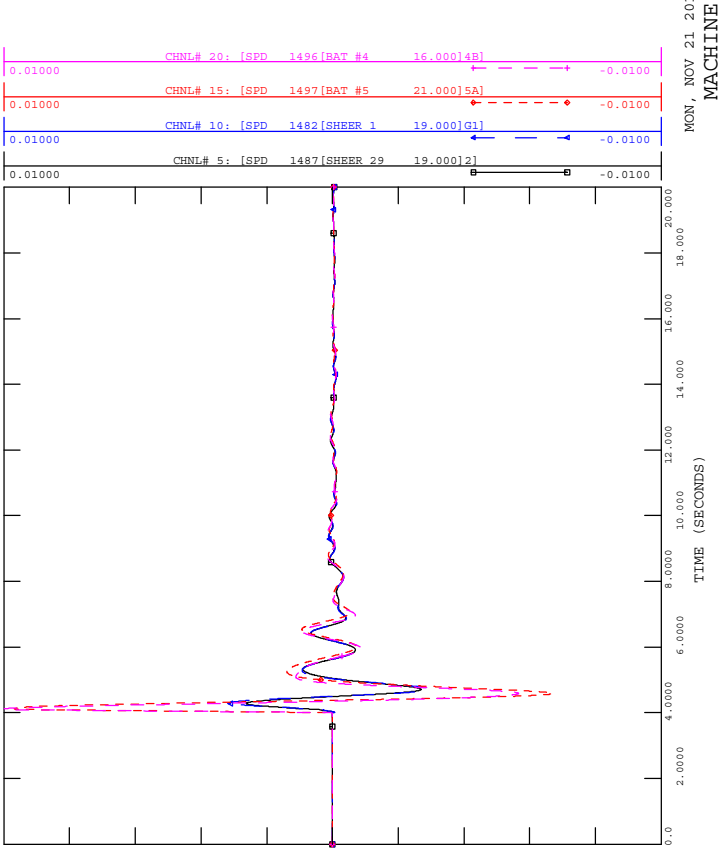


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:37

MACHINE SPEED

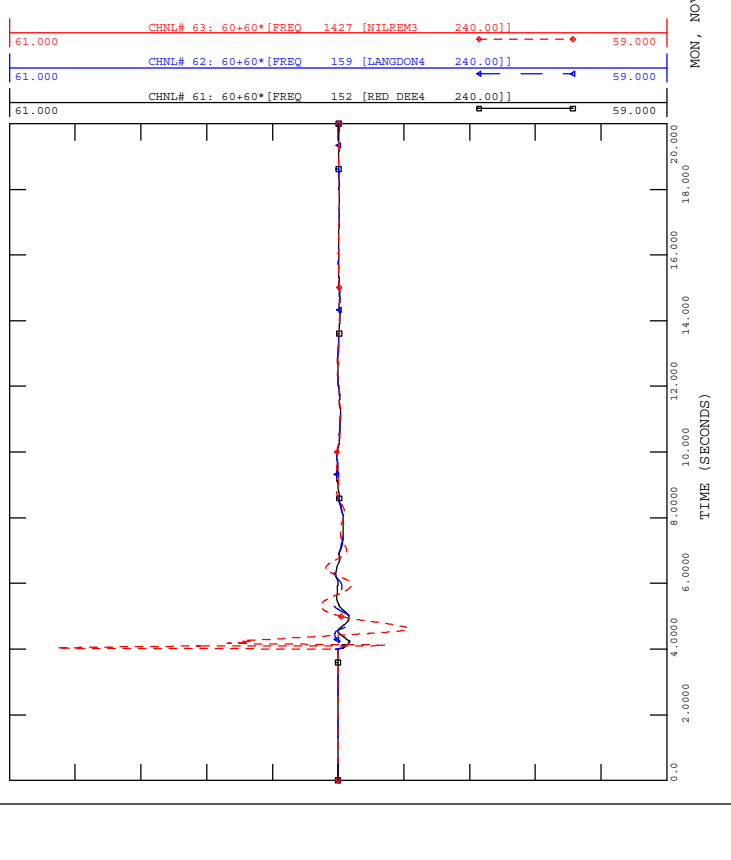


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:37

FREQUENCY

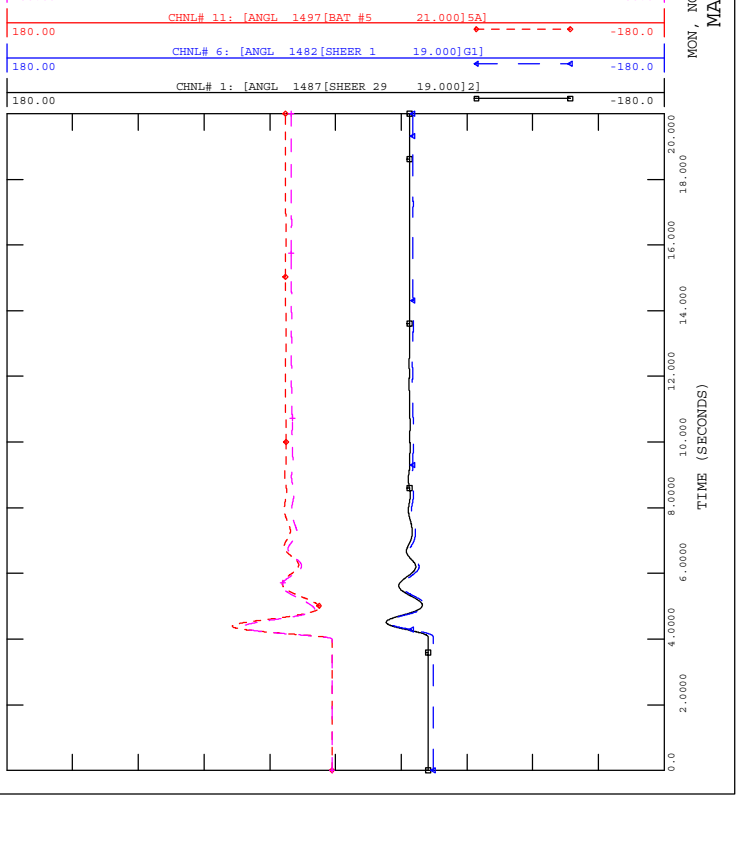


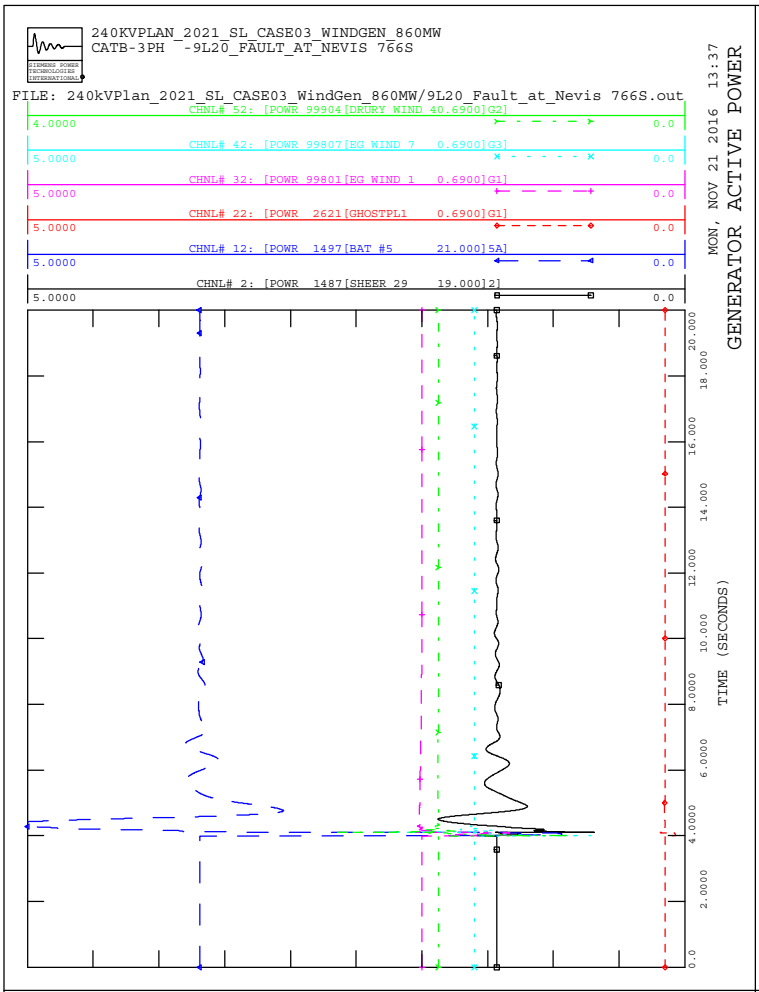
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

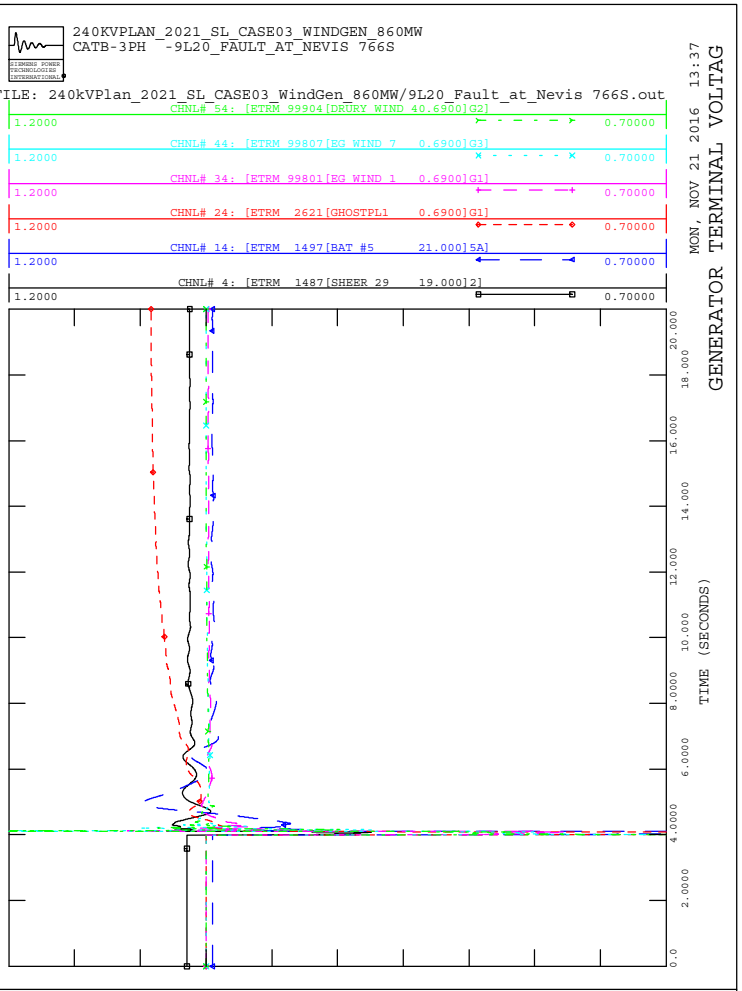
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

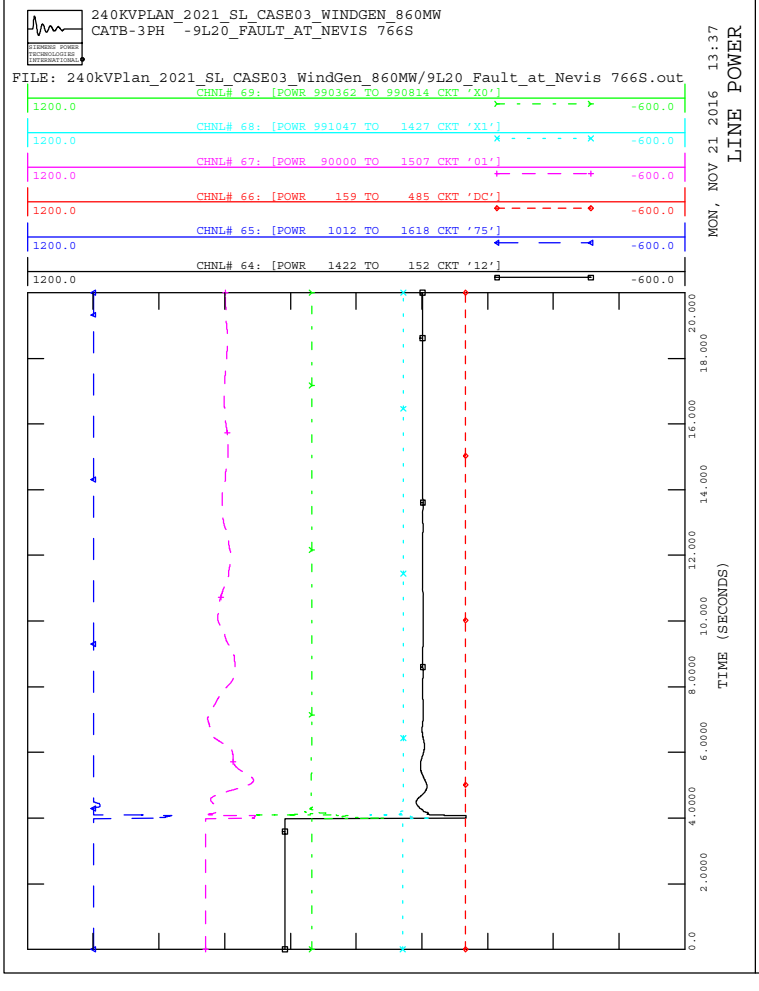
MON, NOV 21 2016 13:37

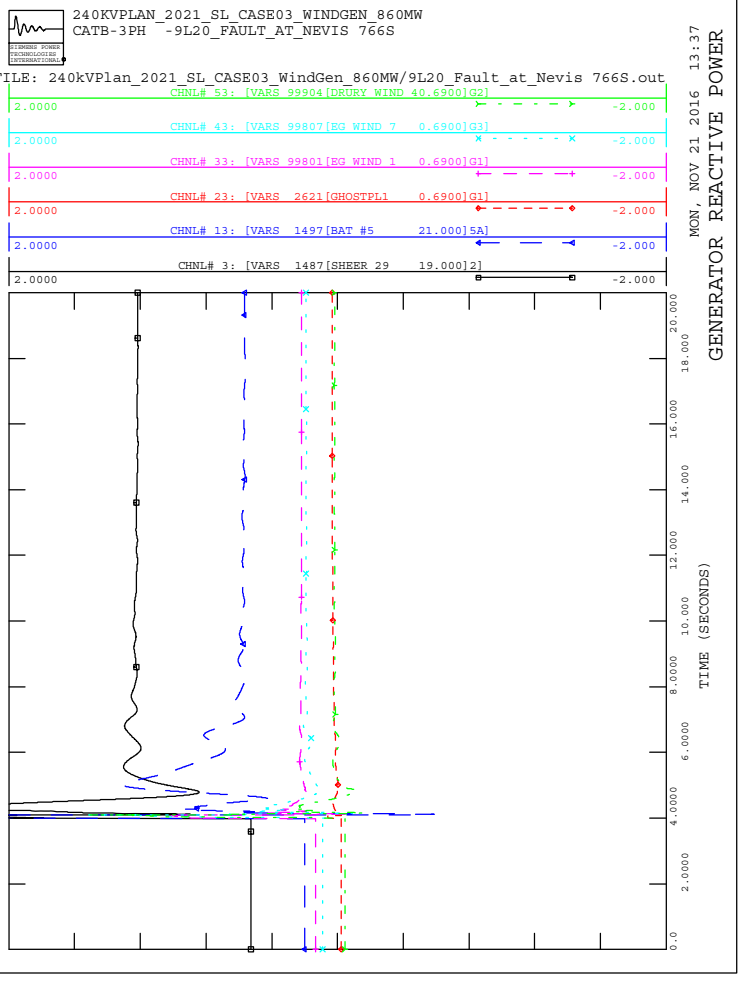
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:37

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:37

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:37

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:37

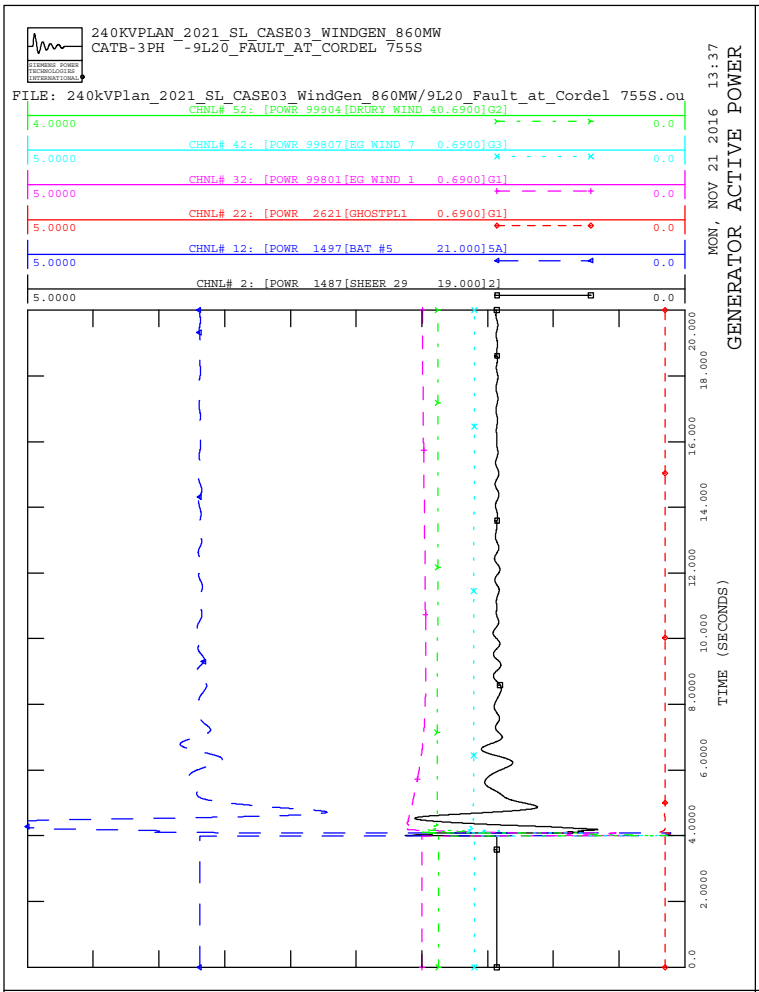
MACHINE ANGEL

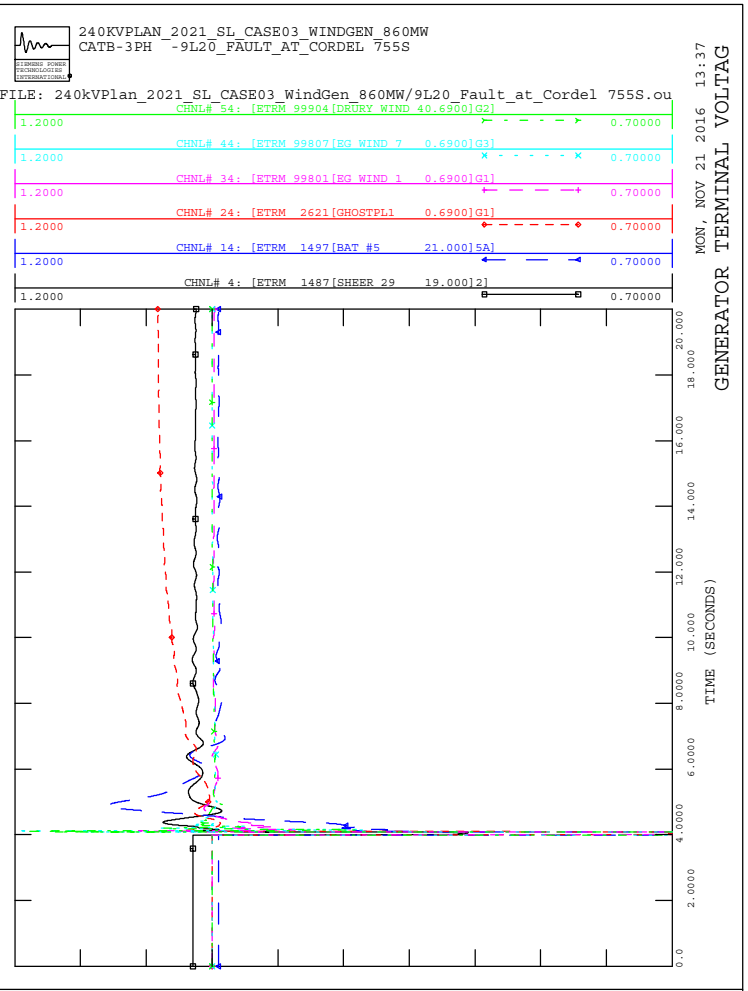
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

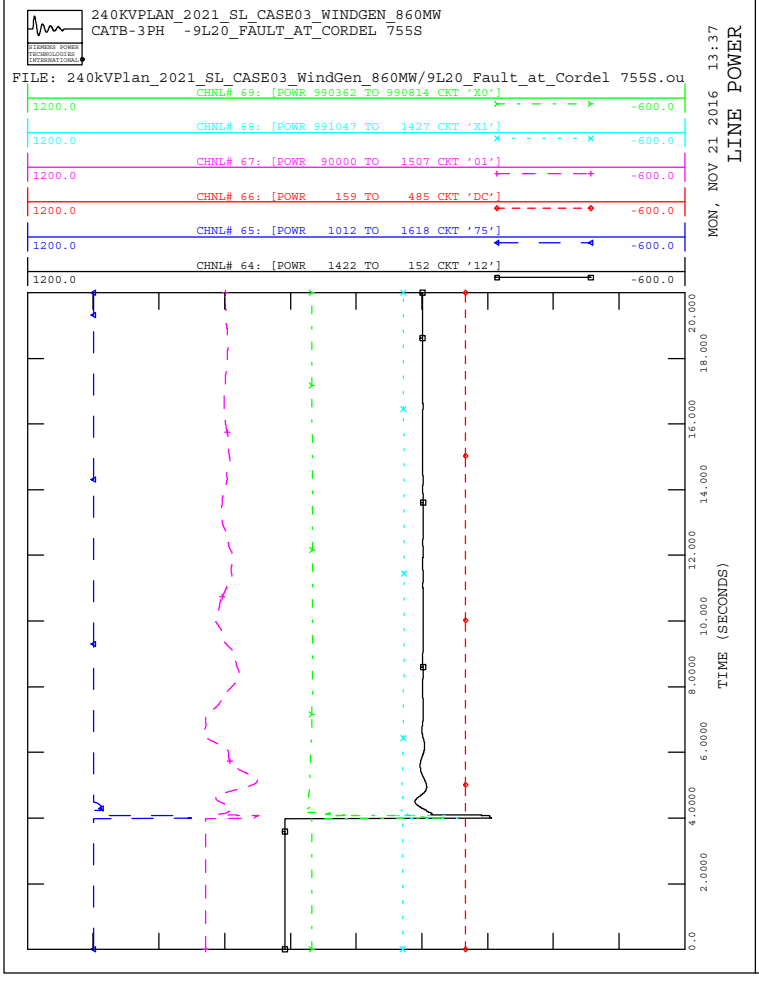
180.00 / -180.0

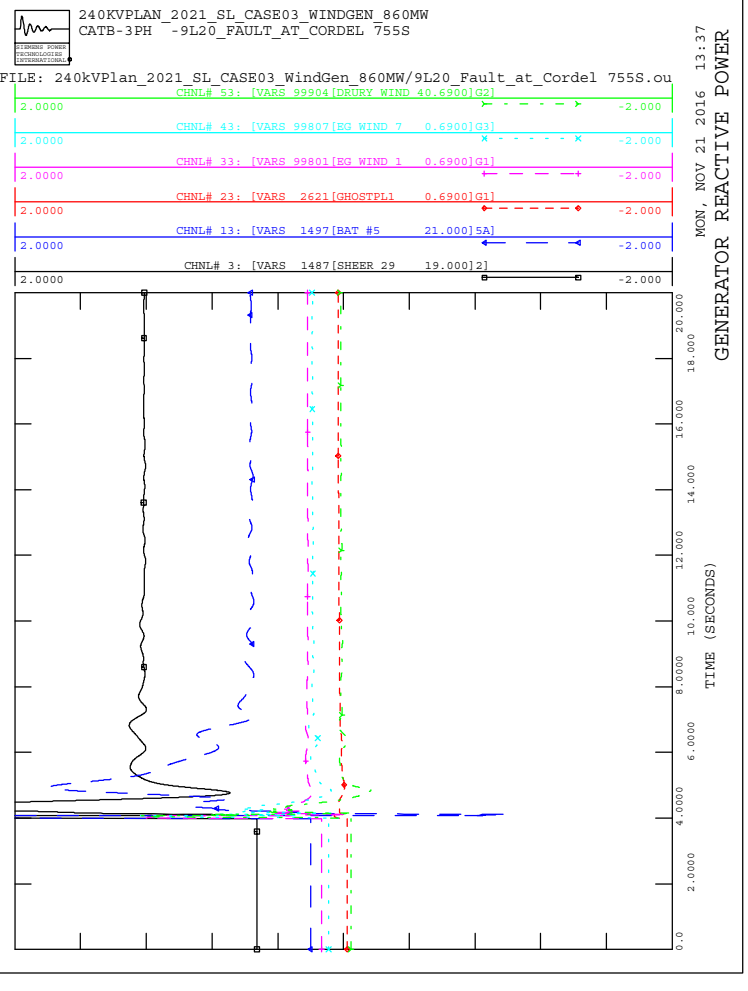
TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

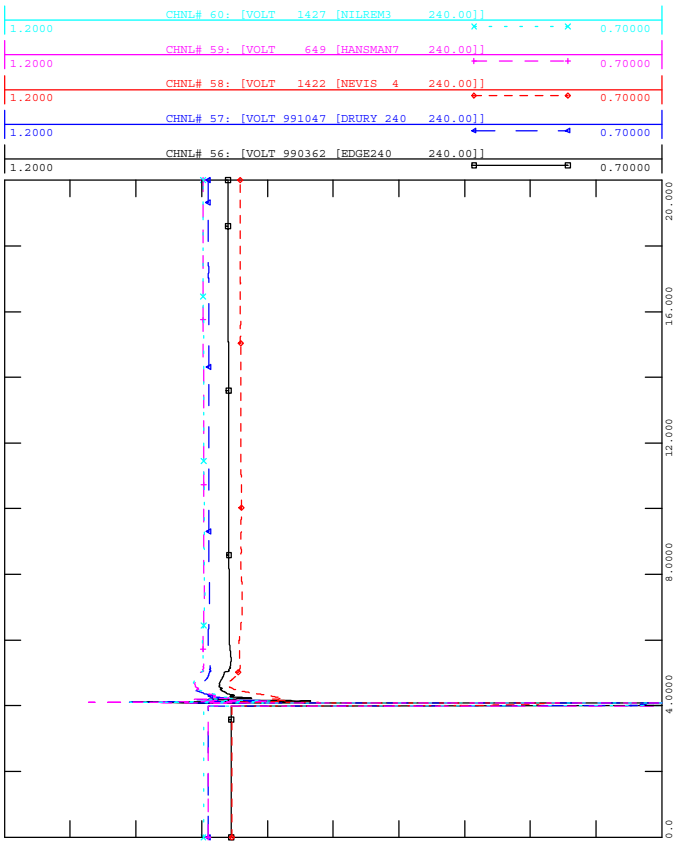

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:37

BUS VOLTAGE

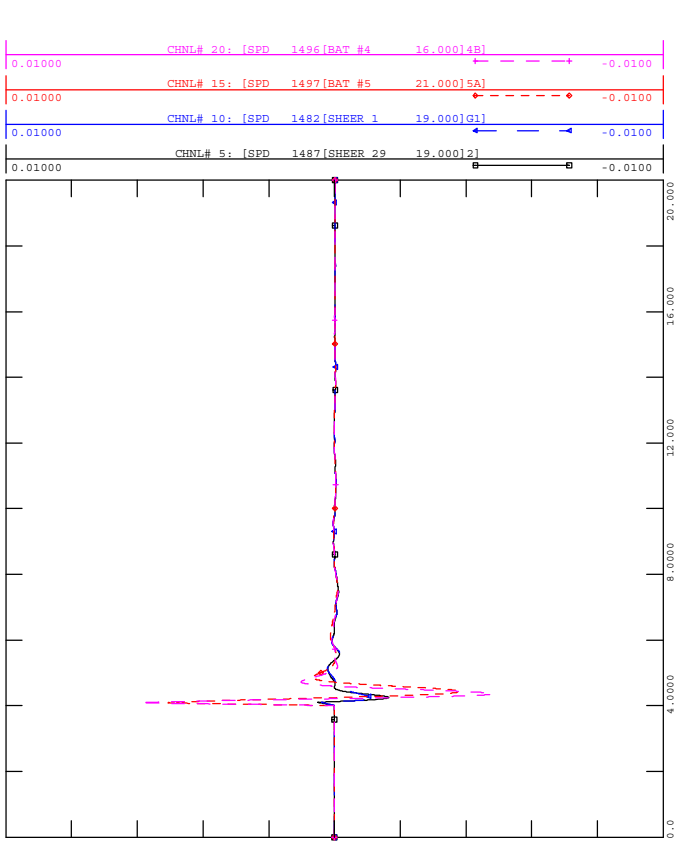


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:37

MACHINE SPEED

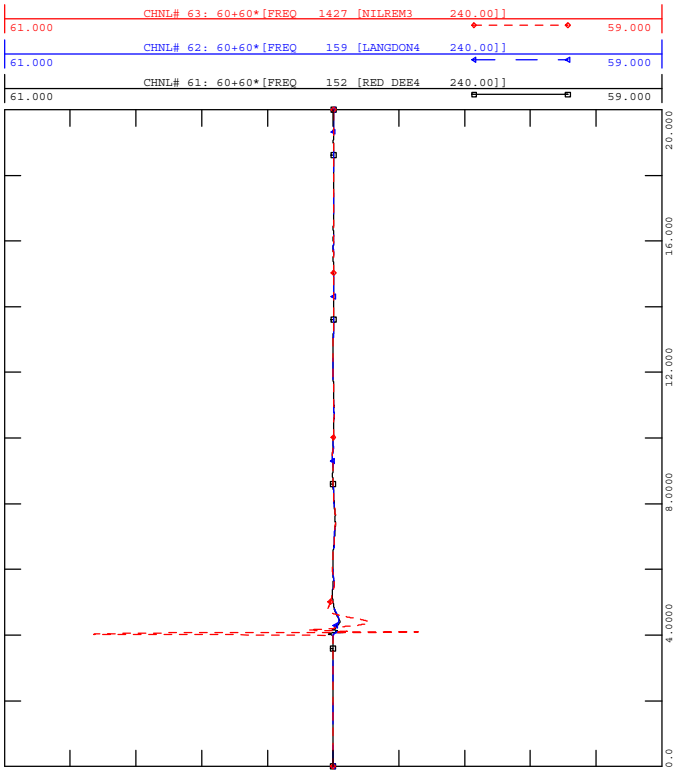


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:37

FREQUENCY

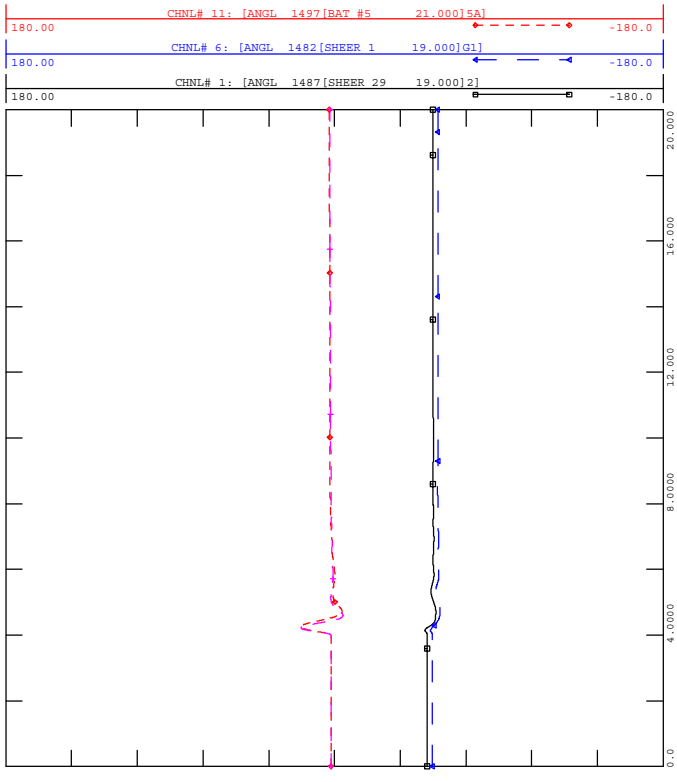


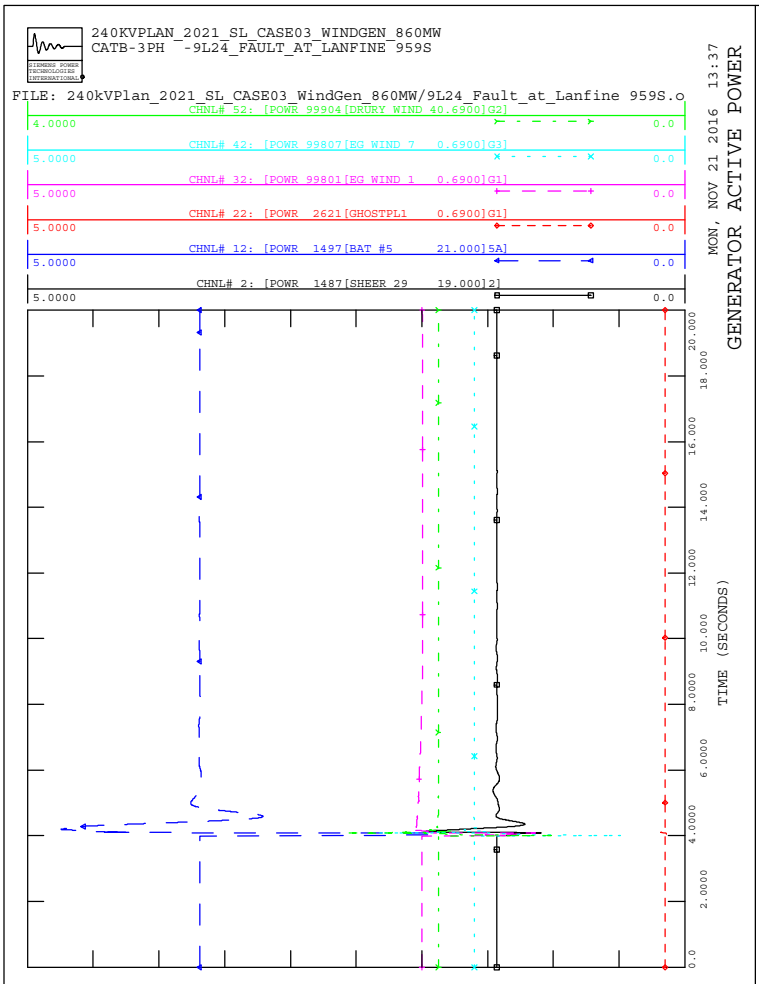
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

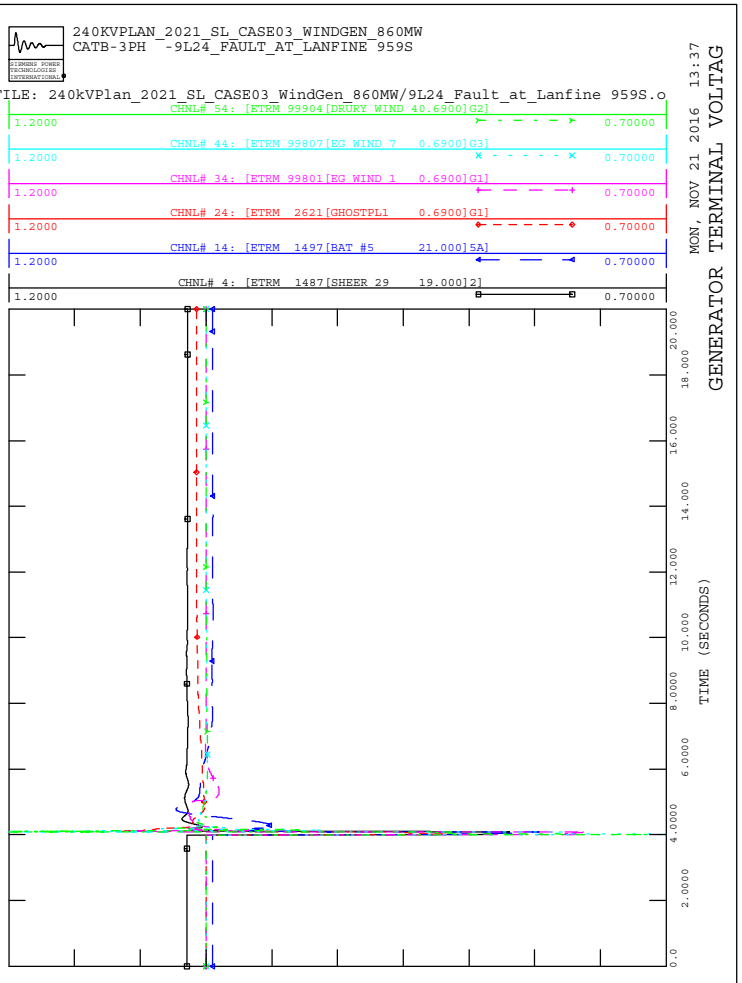
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

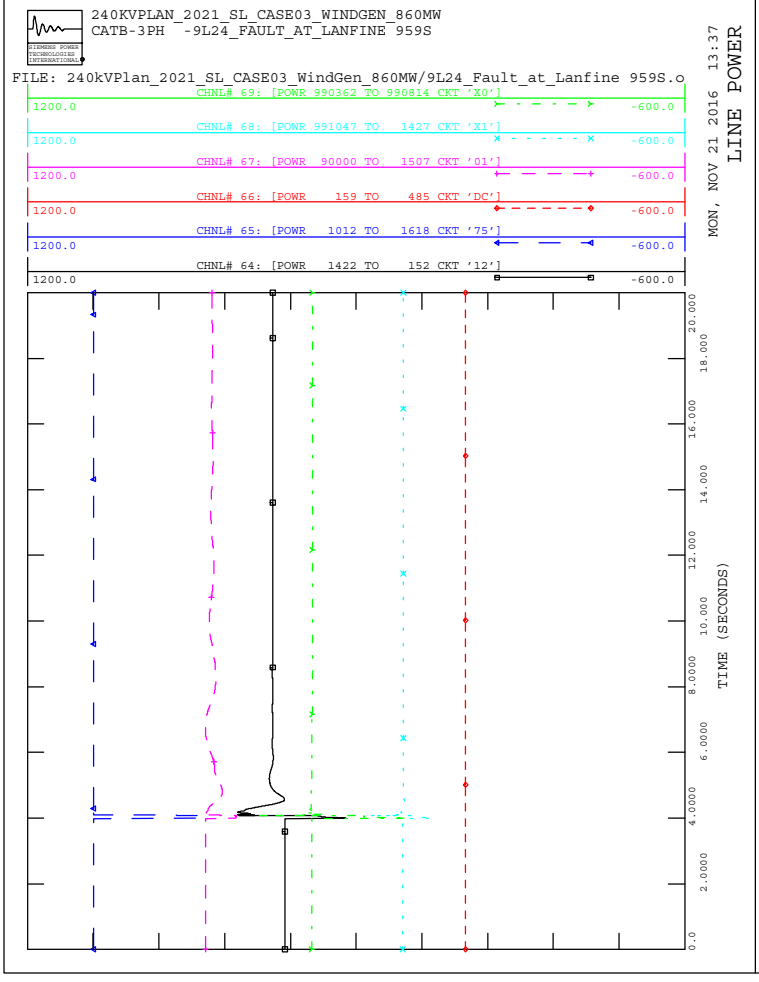
MON, NOV 21 2016 13:37

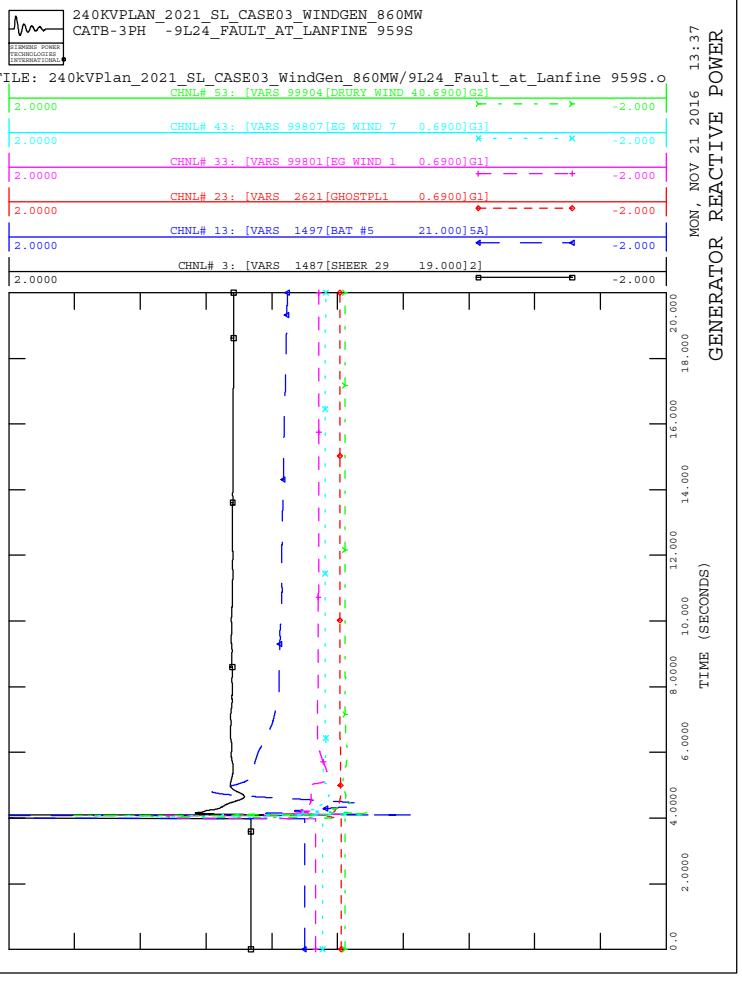
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

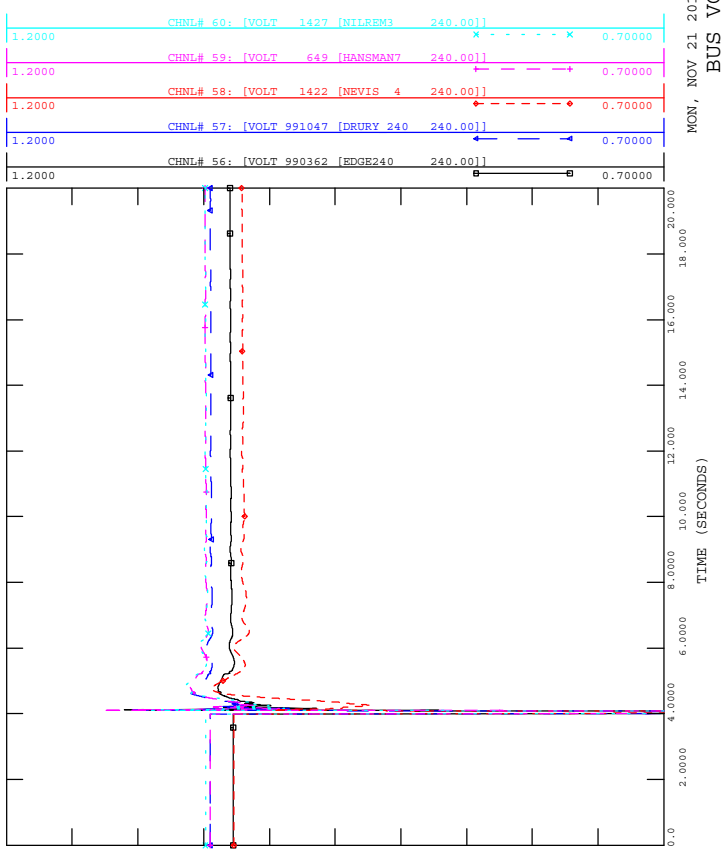

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:37

BUS VOLTAGE

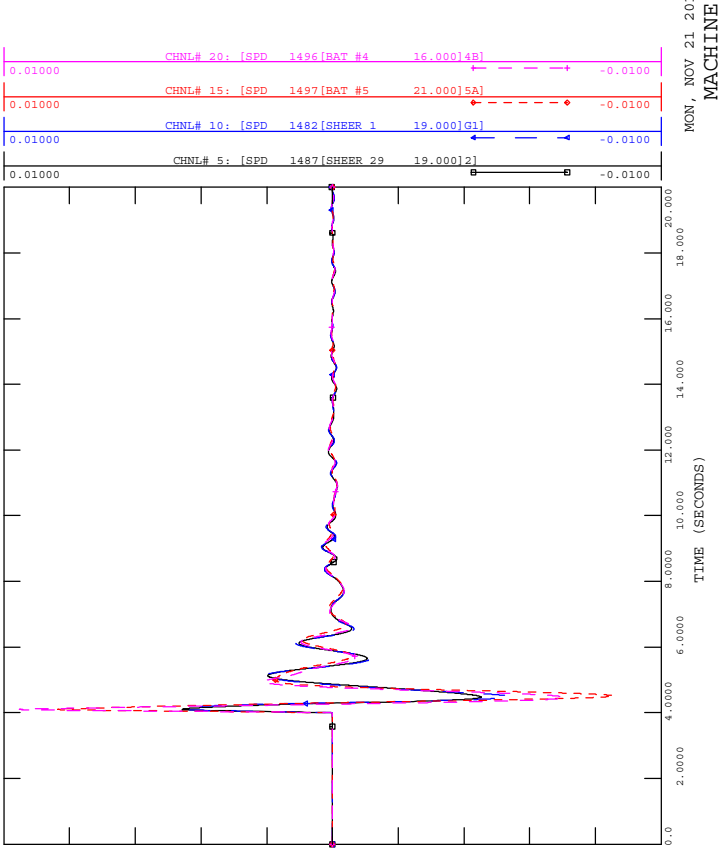


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:37

MACHINE SPEED

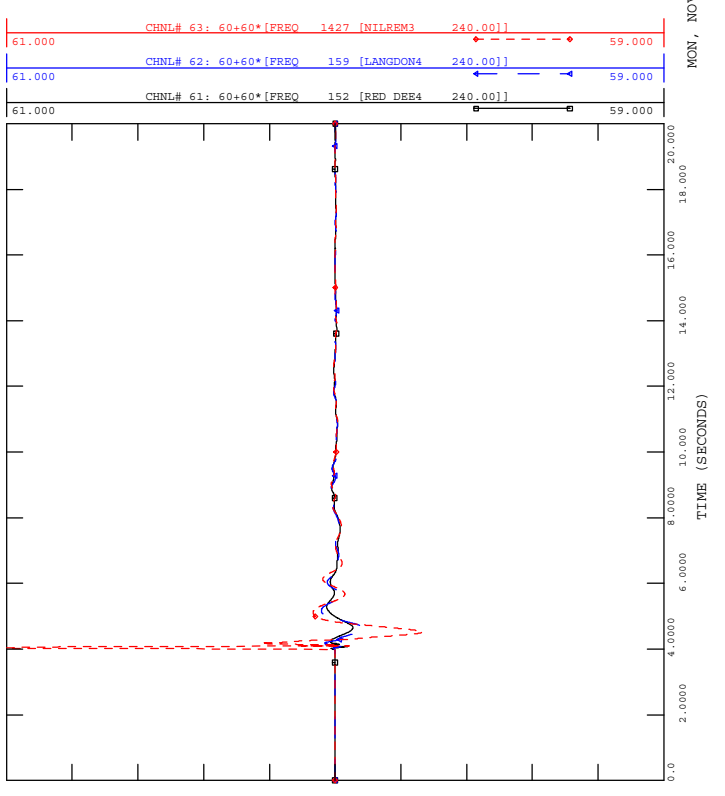


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:37

FREQUENCY

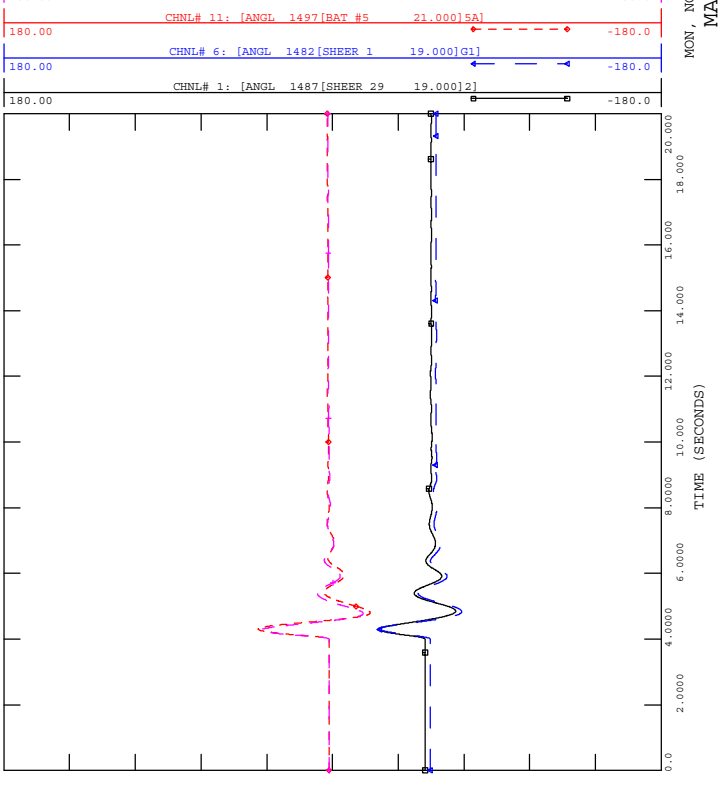


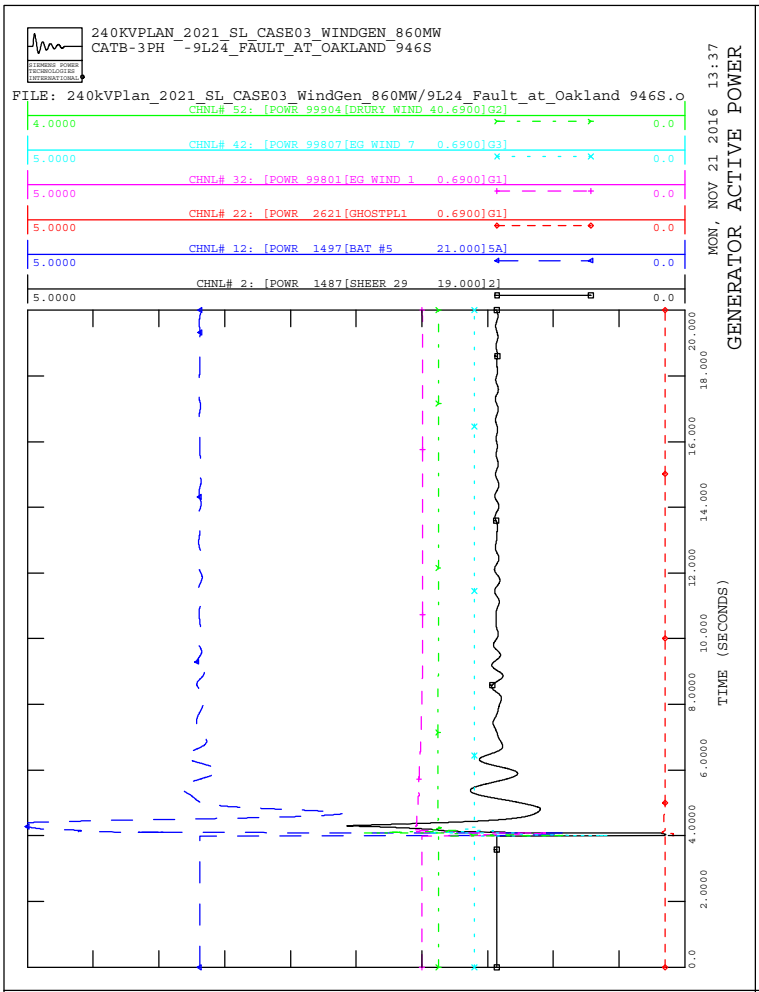
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

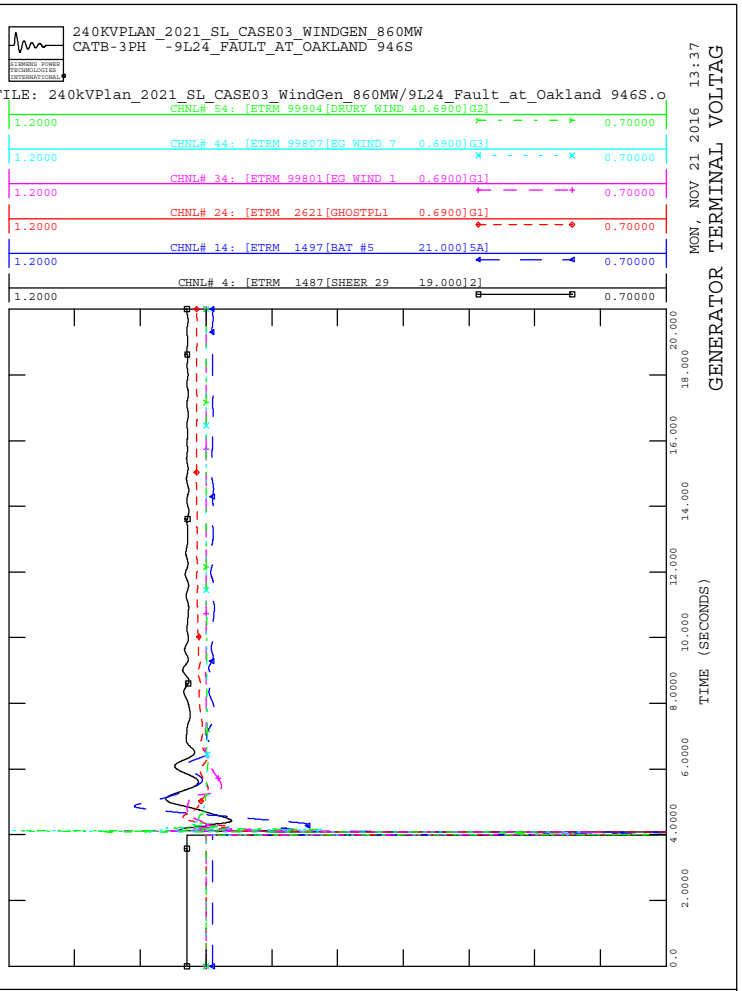
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

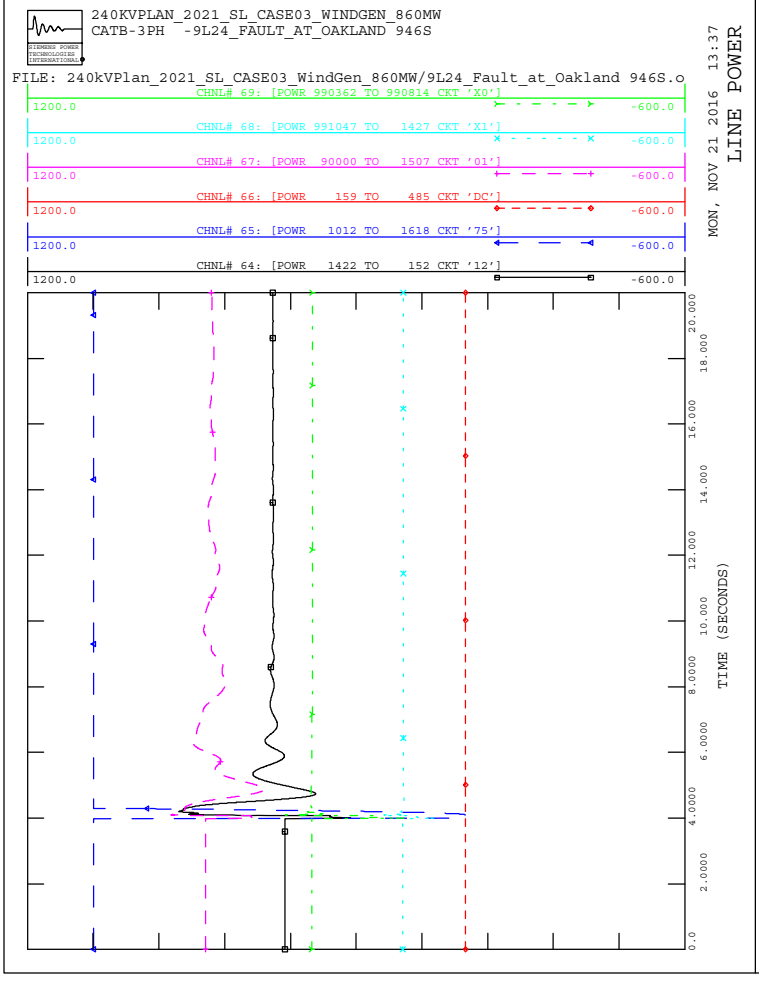
MON, NOV 21 2016 13:37

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)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CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
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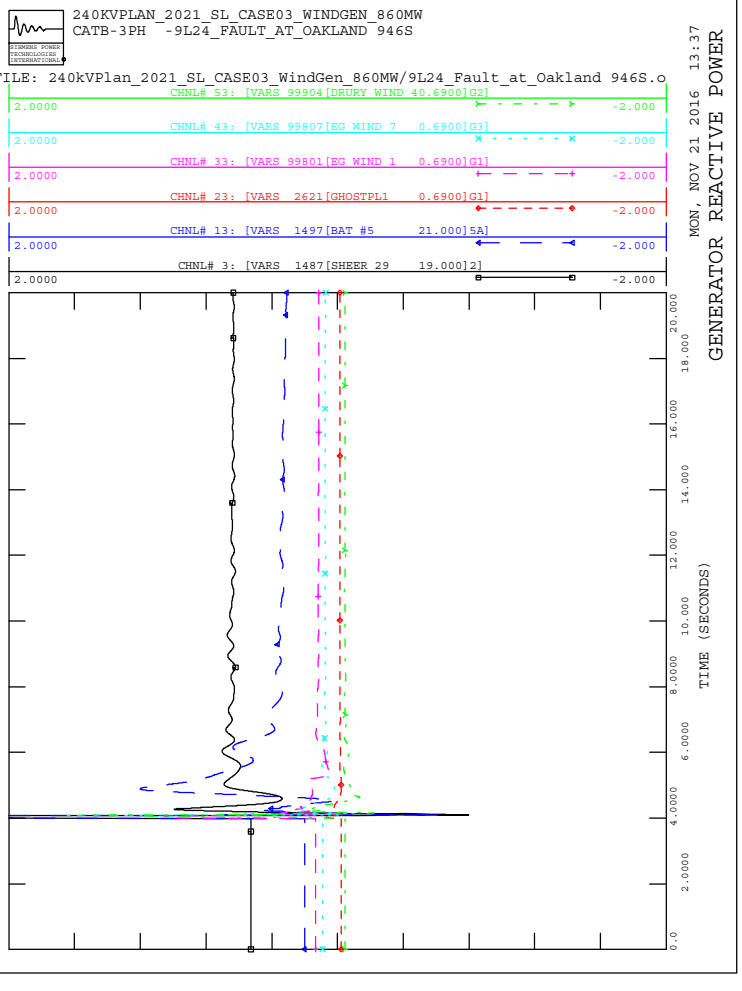
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)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CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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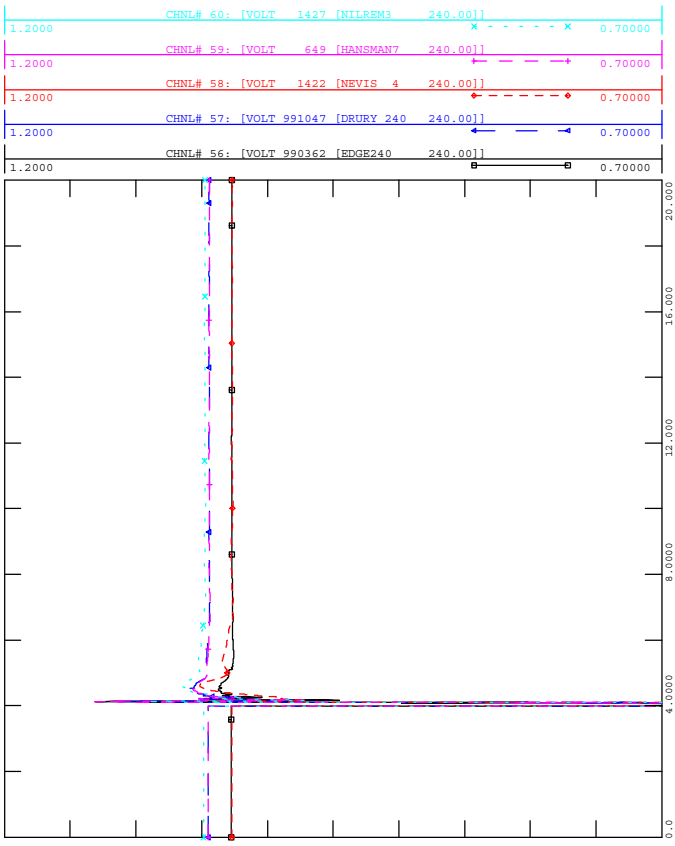
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 13:37

BUS VOLTAGE

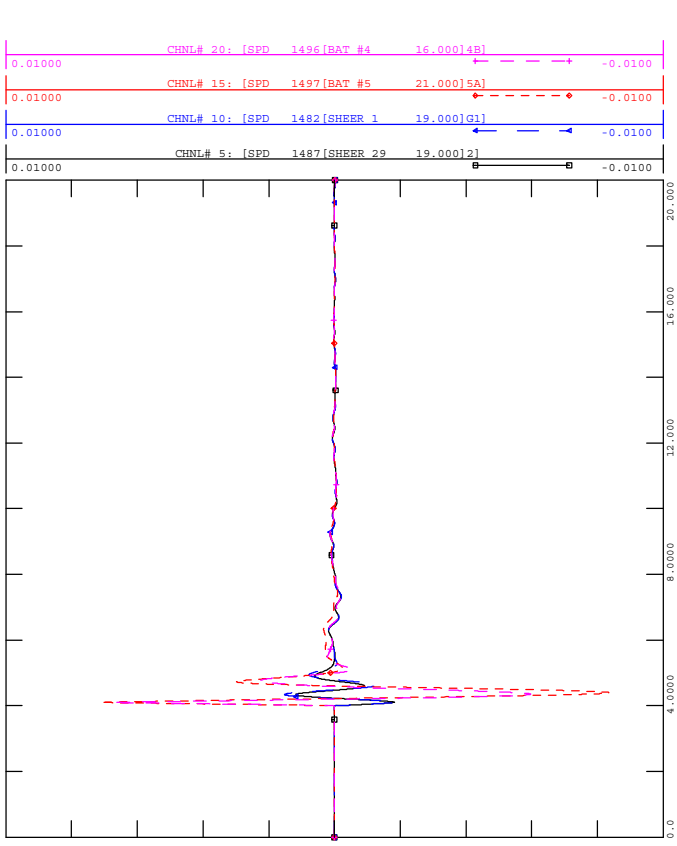


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 13:37

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

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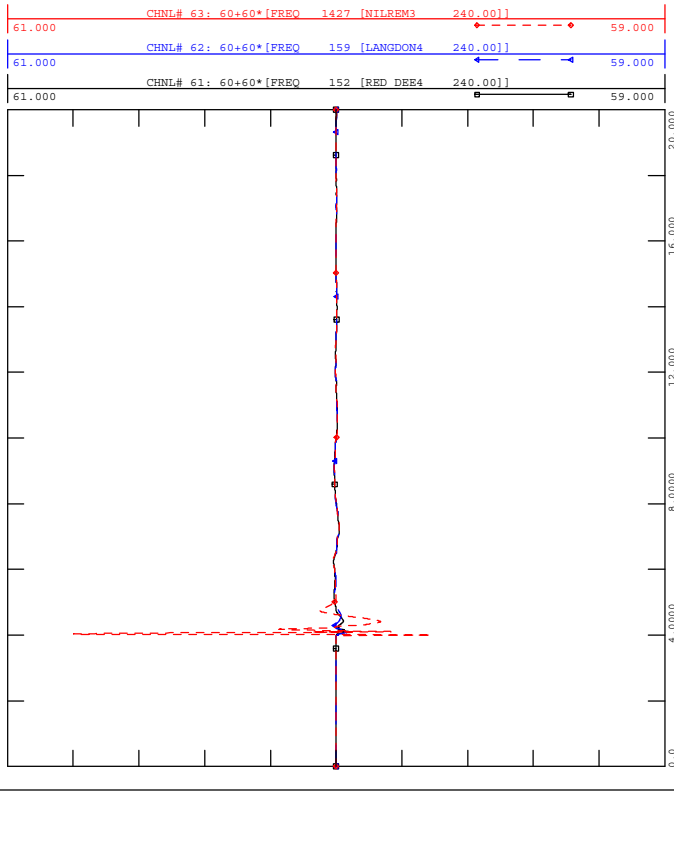
MON, NOV 21 2016 13:37

FREQUENCY

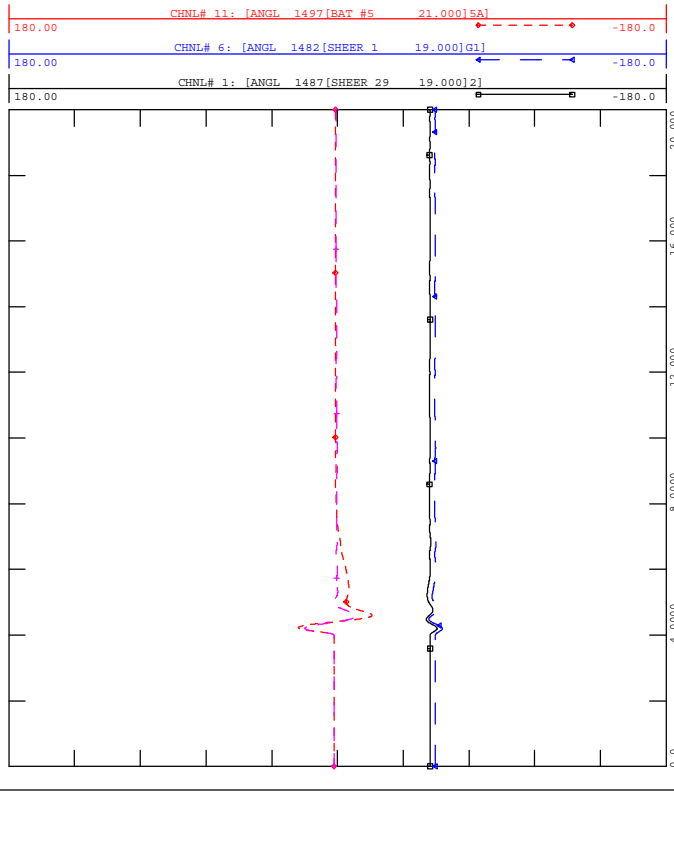


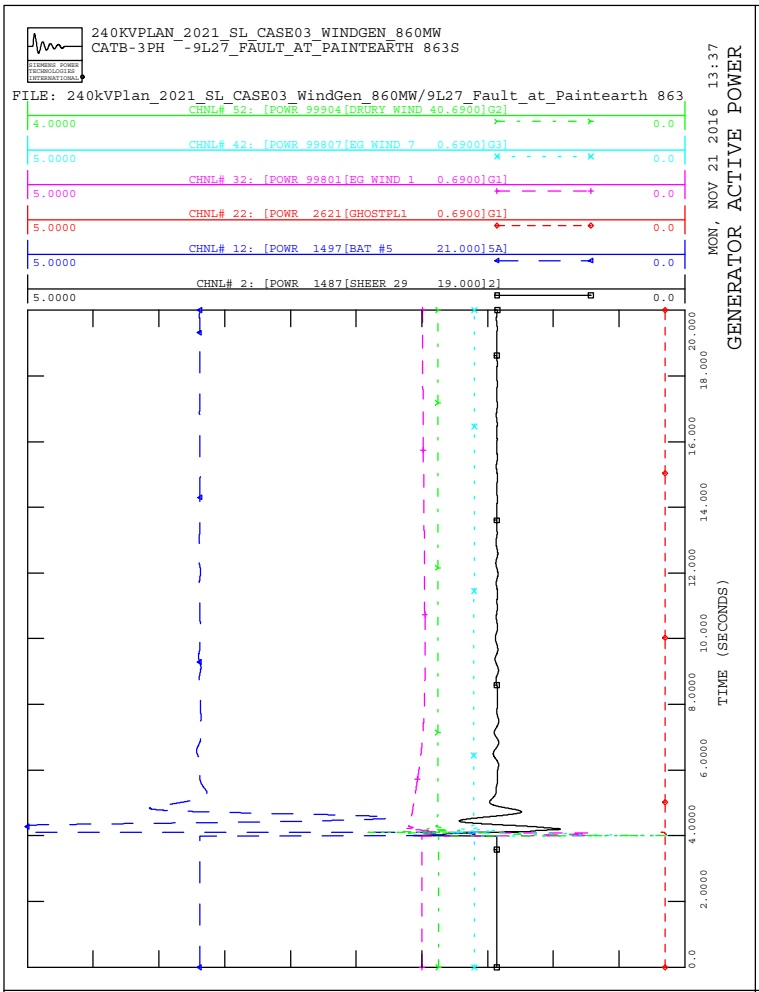
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 13:37

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
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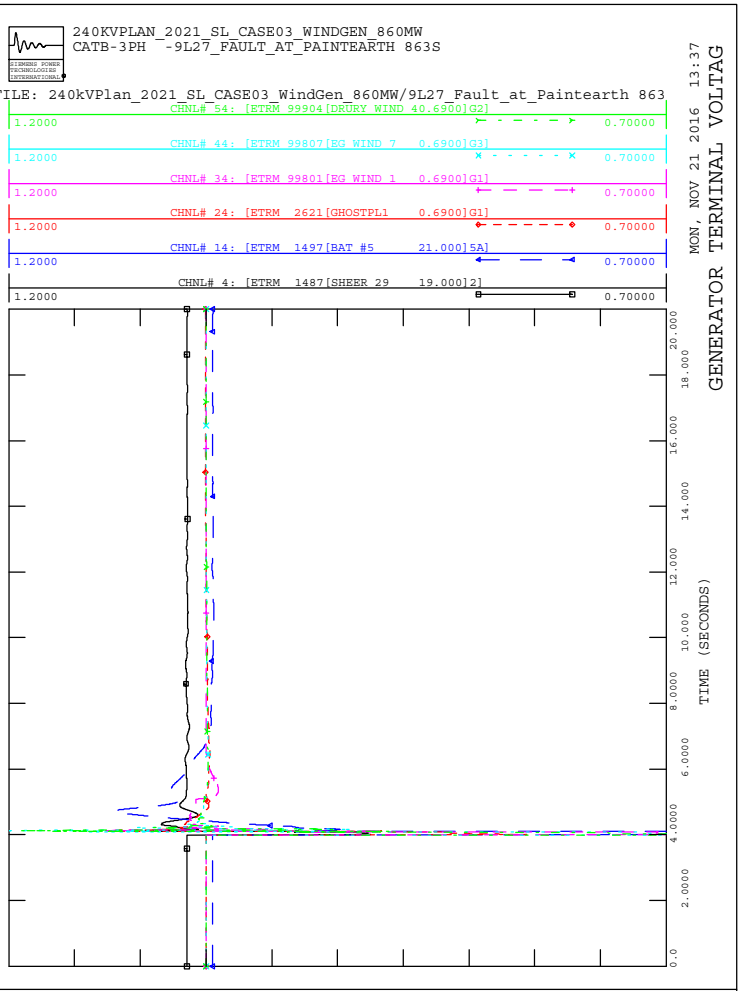
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)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CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863
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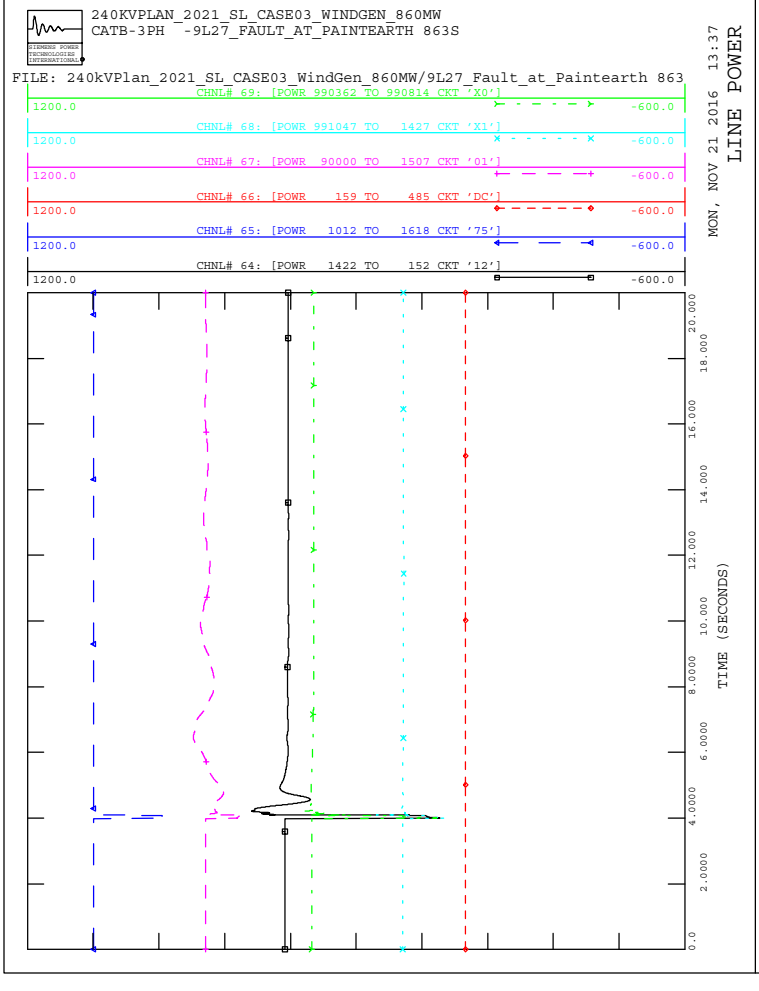
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)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CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
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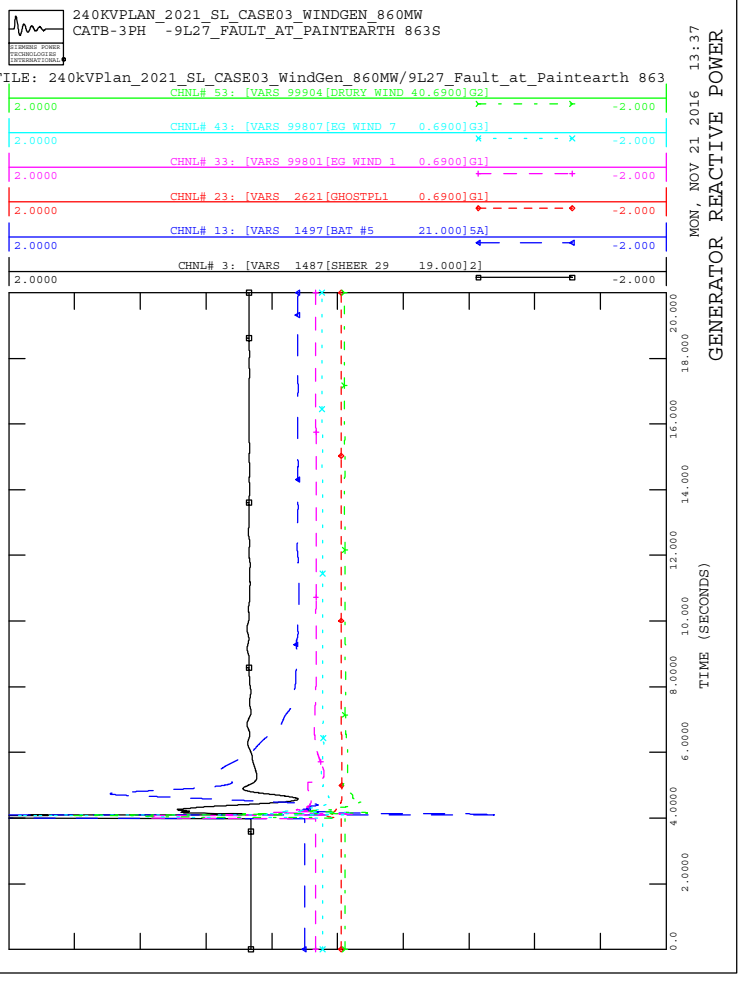
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)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CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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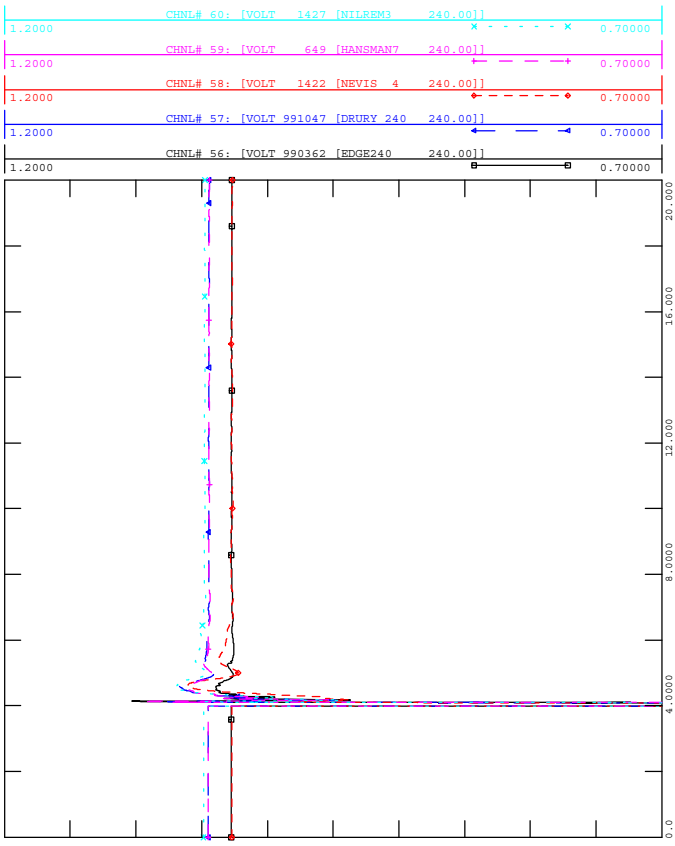
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:37

BUS VOLTAGE



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

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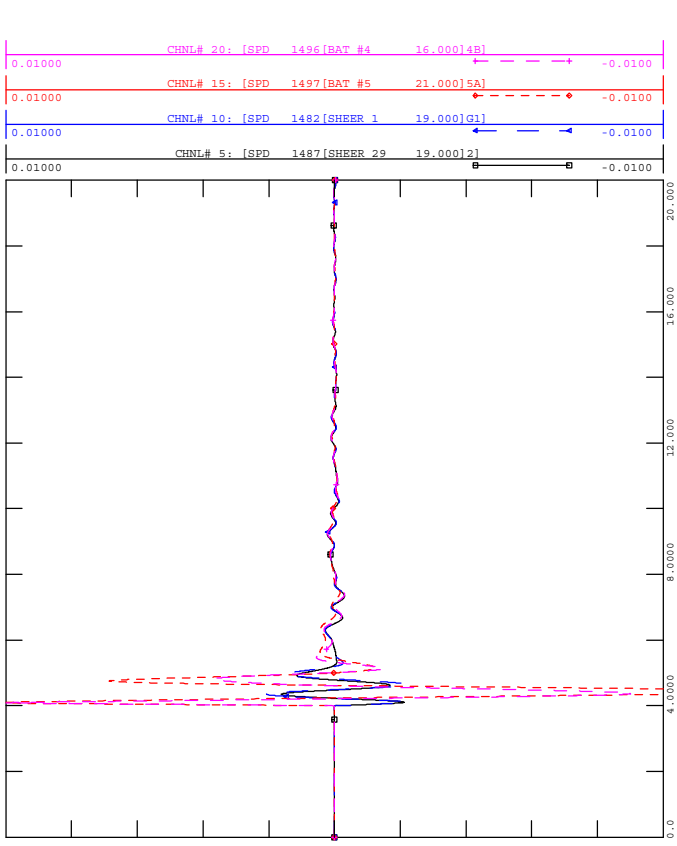
MON, NOV 21 2016 13:37

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

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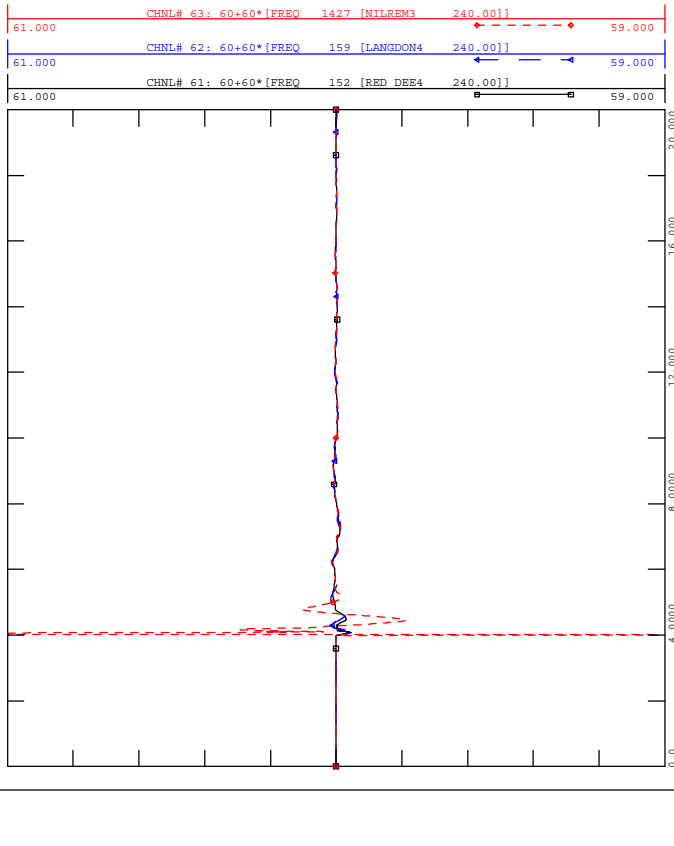
MON, NOV 21 2016 13:37

FREQUENCY



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

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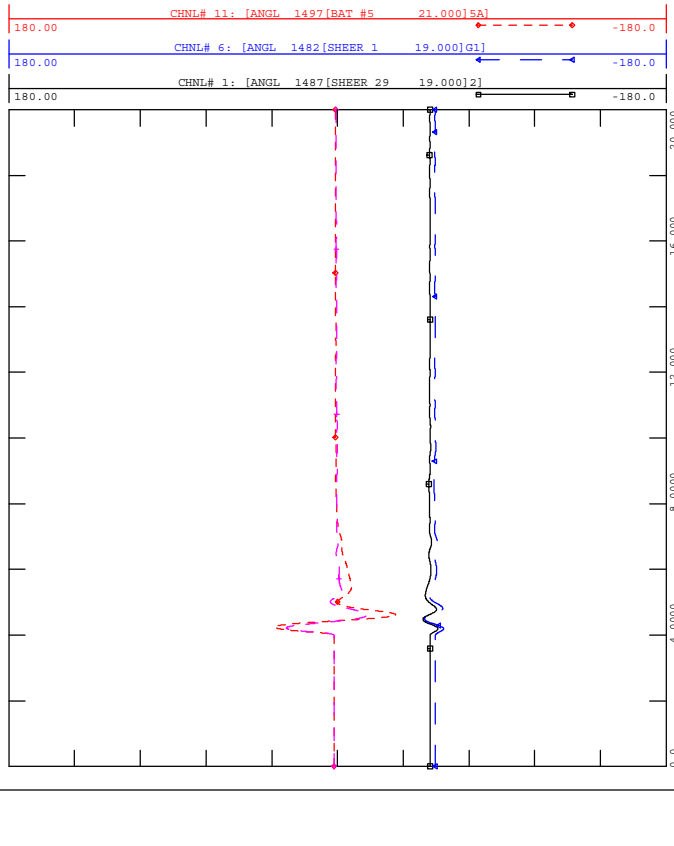
MON, NOV 21 2016 13:37

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

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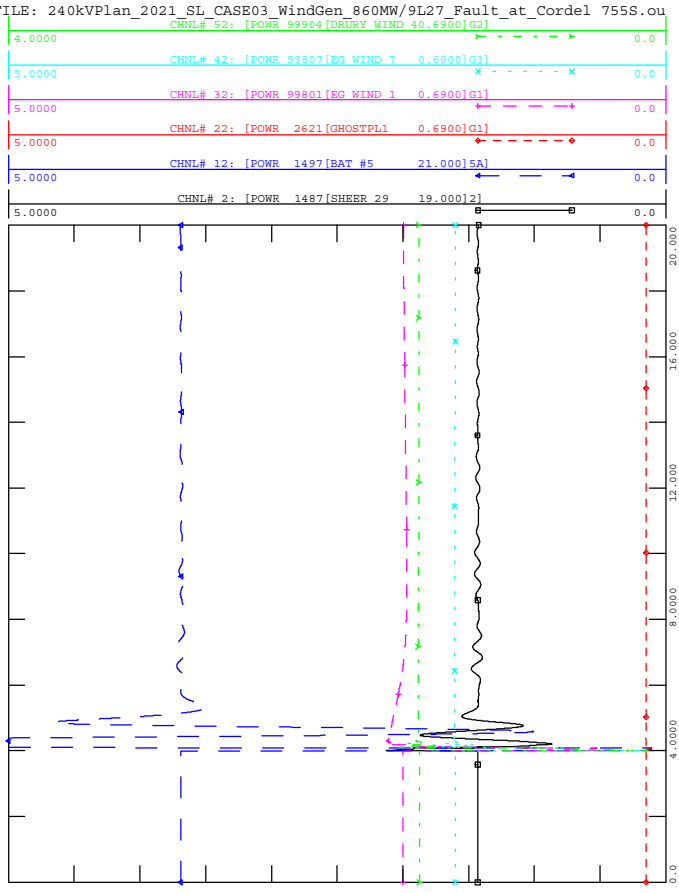
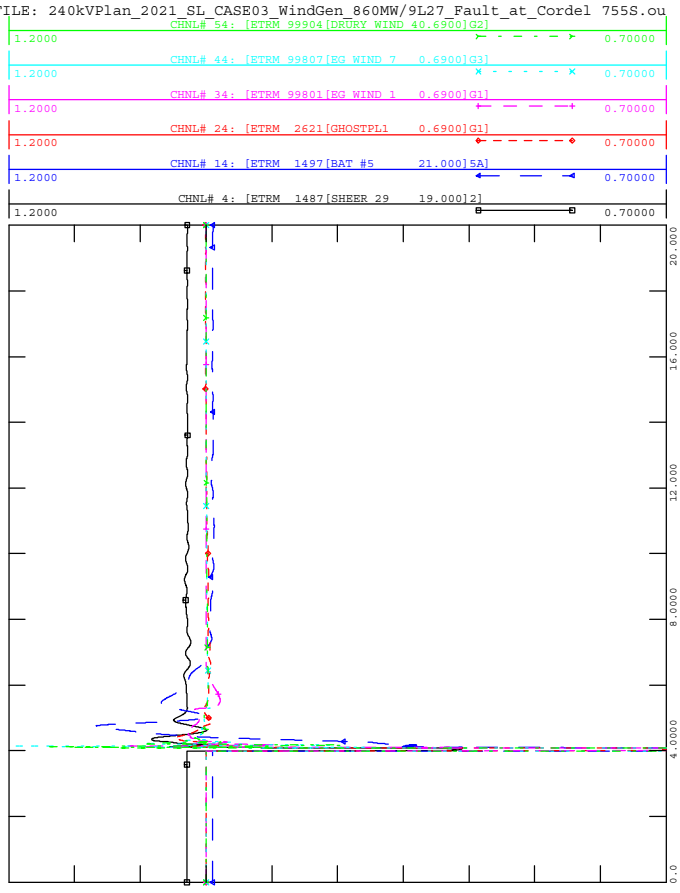


MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

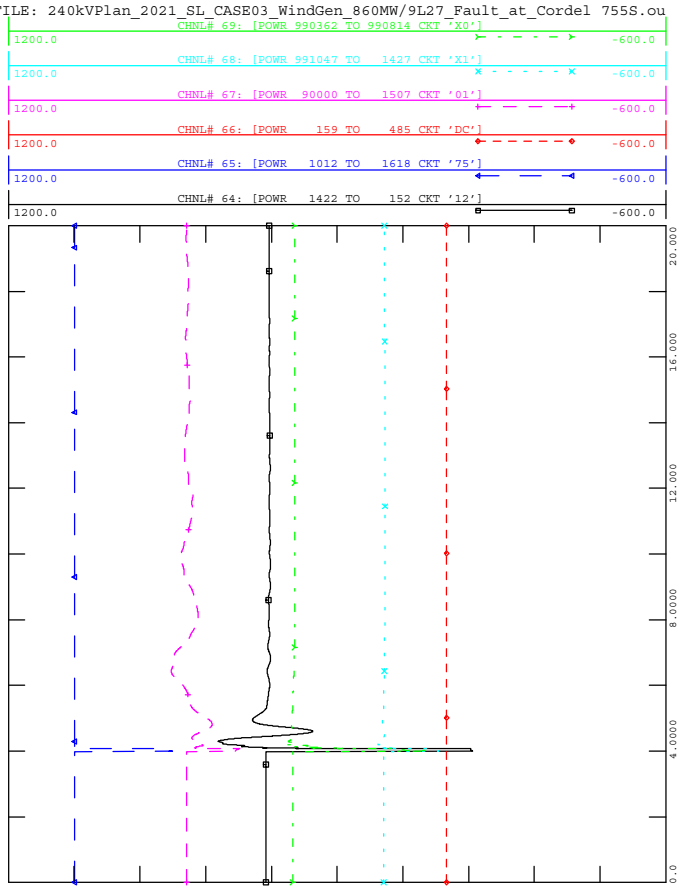
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou



MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

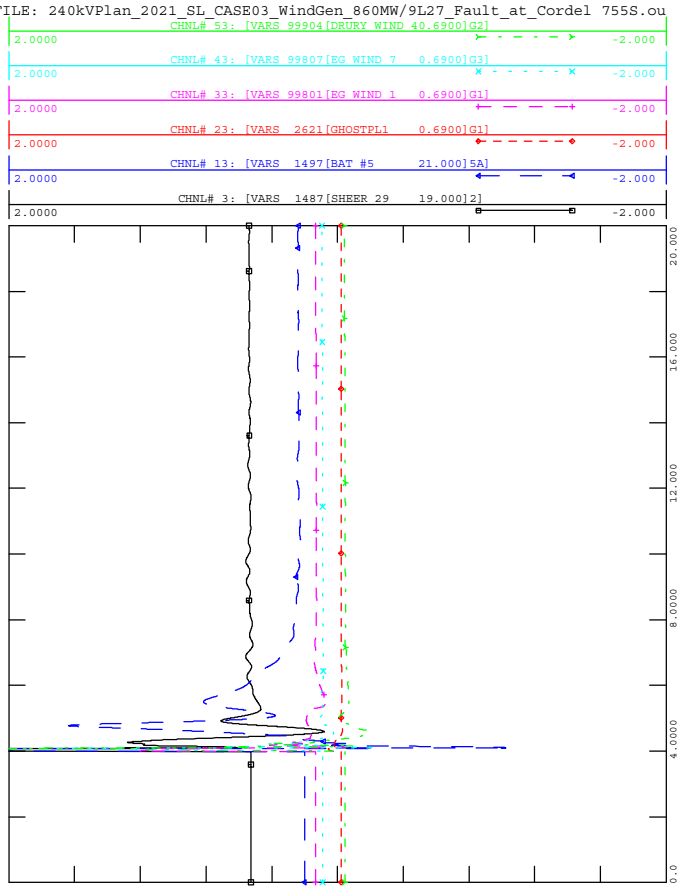
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou



MON, NOV 21 2016 13:37
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou



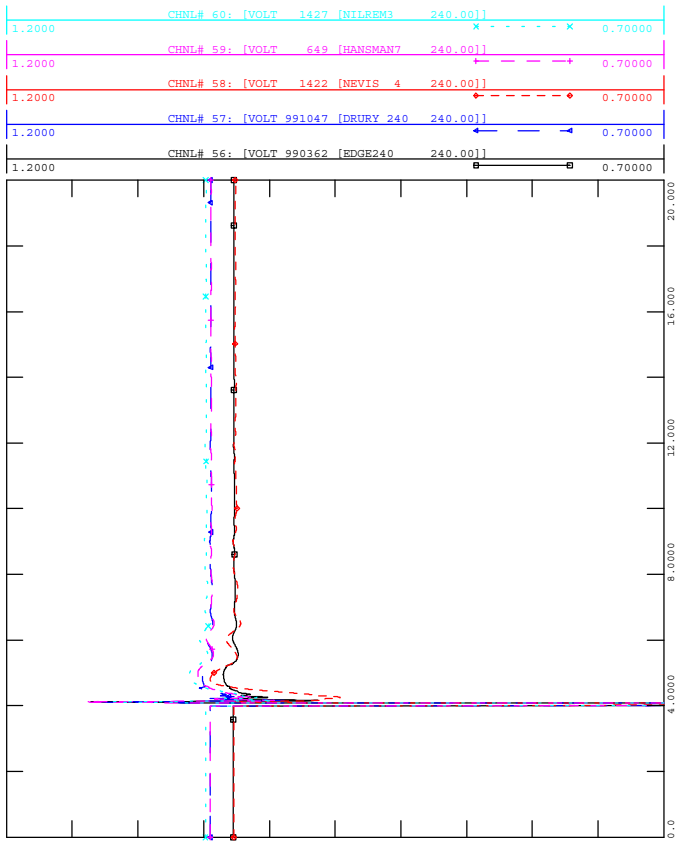
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:37

BUS VOLTAGE



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CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

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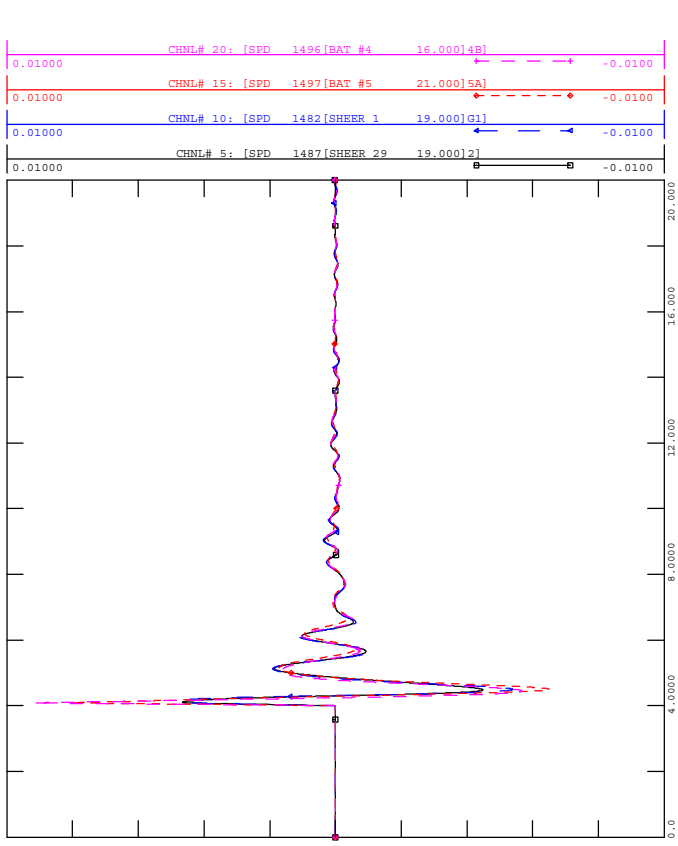
MON, NOV 21 2016 13:37

MACHINE SPEED



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CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

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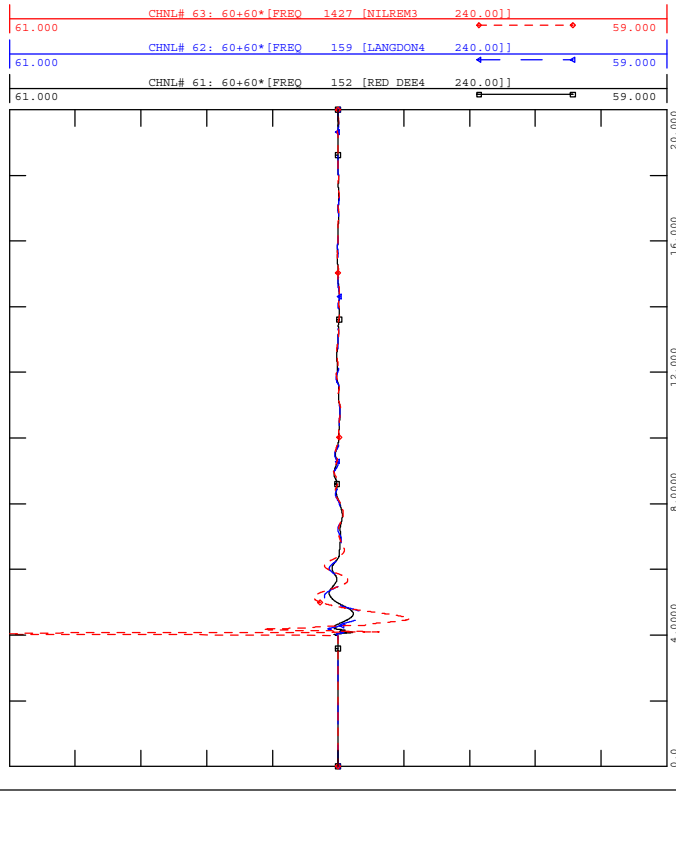
MON, NOV 21 2016 13:37

FREQUENCY



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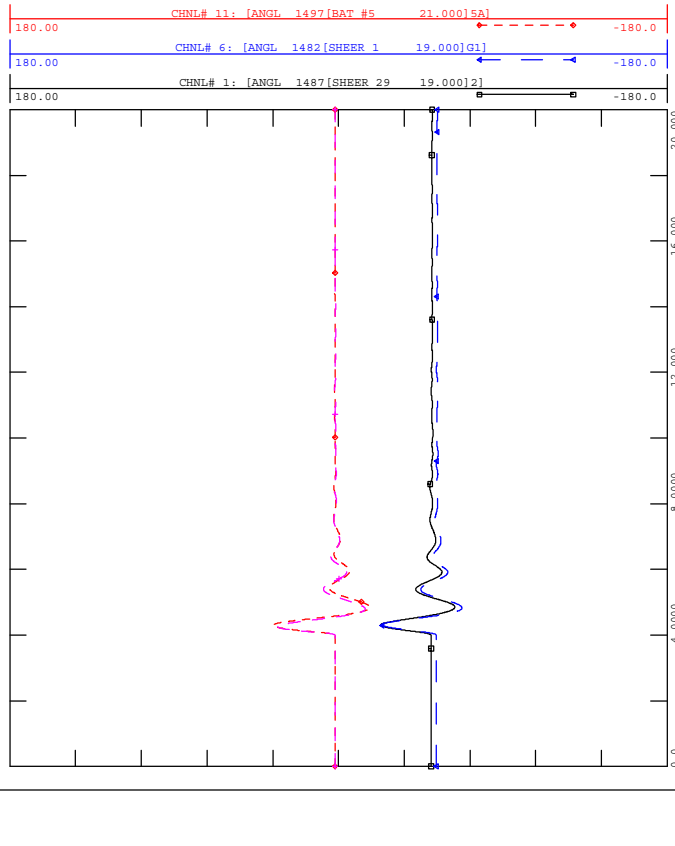
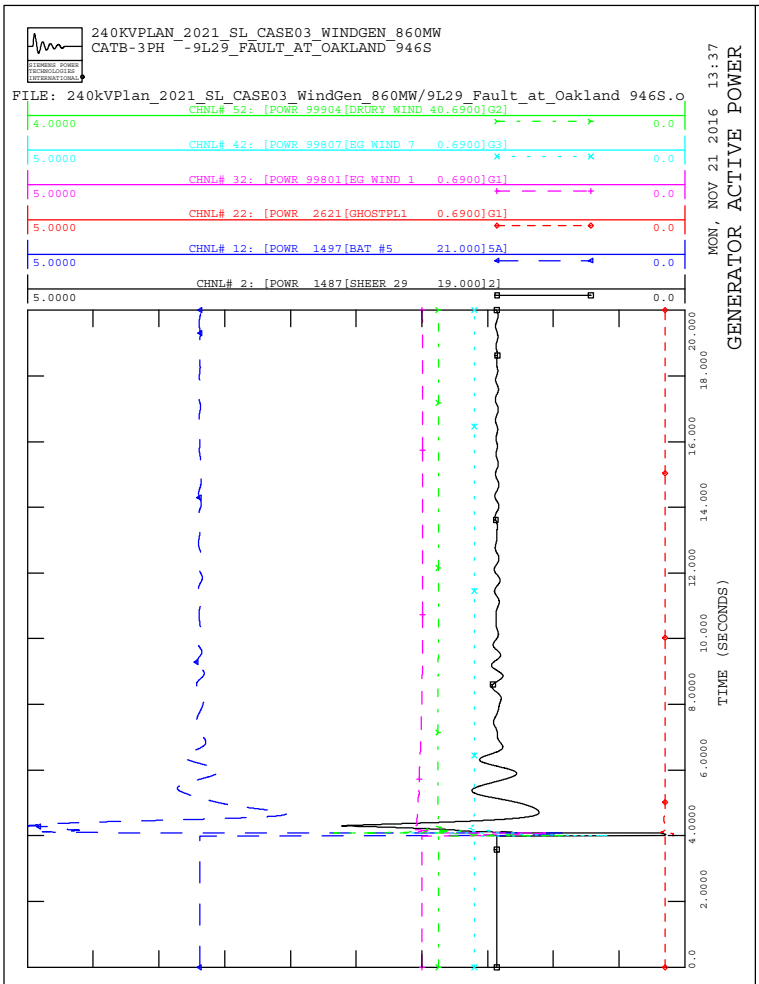
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:37

MACHINE ANGEL

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CATB-3PH -9L29_FAULT_AT_OAKLAND 946S
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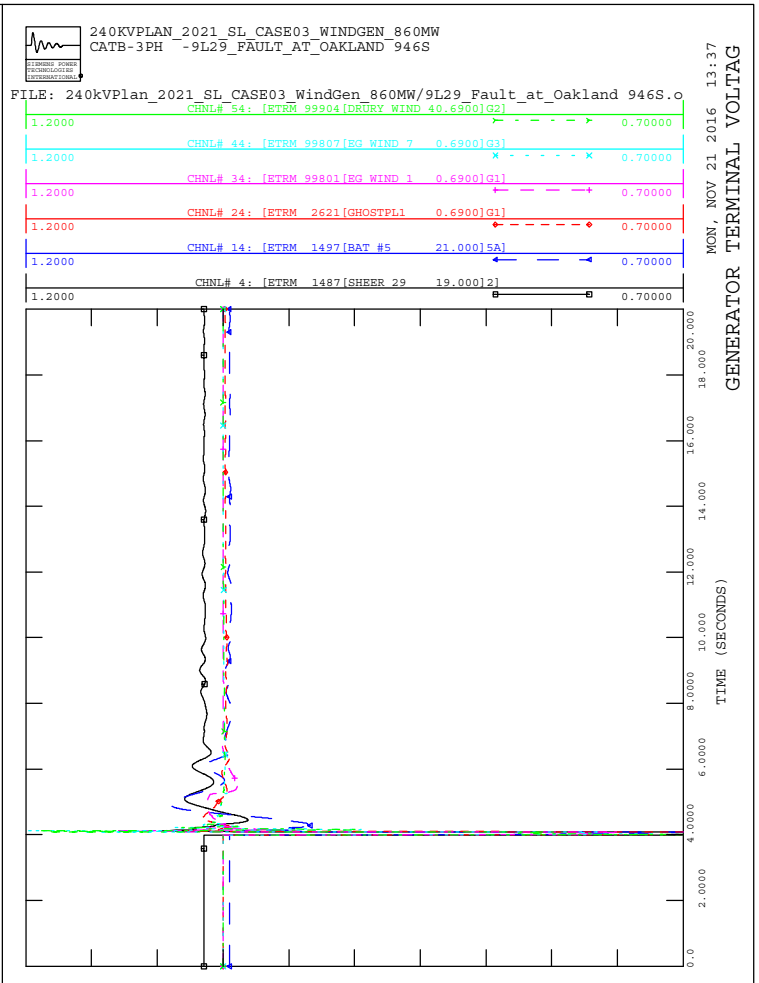
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)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CATB-3PH -9L29_FAULT_AT_OAKLAND 946S
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GENERATOR TERMINAL VOLTAG
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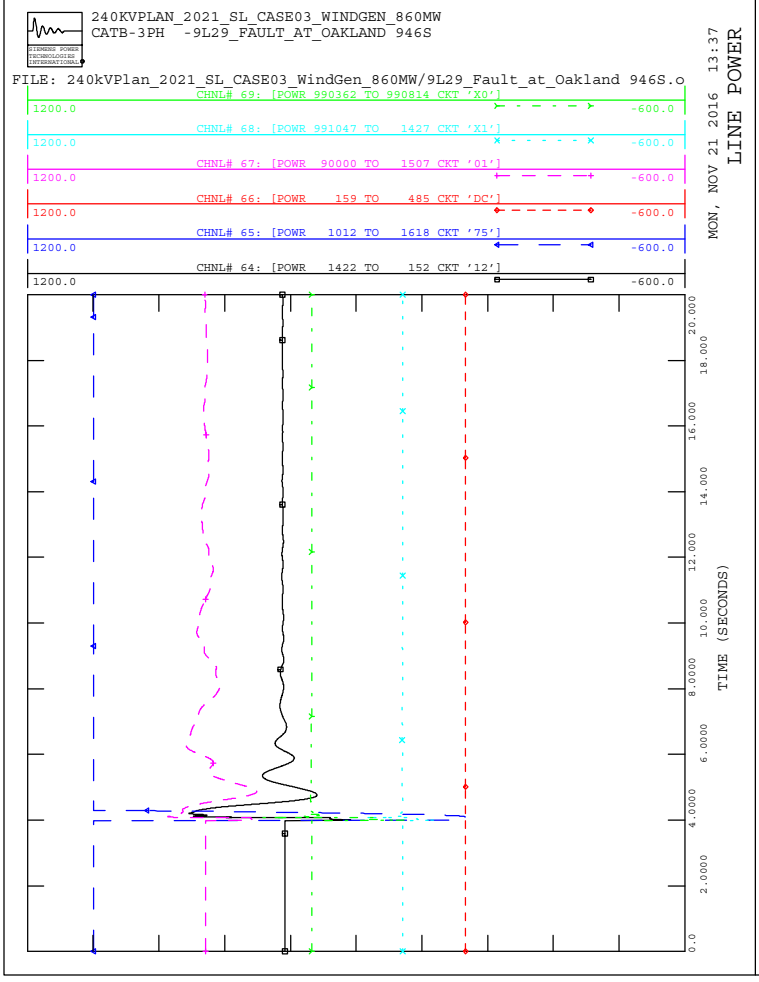
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LINE POWER
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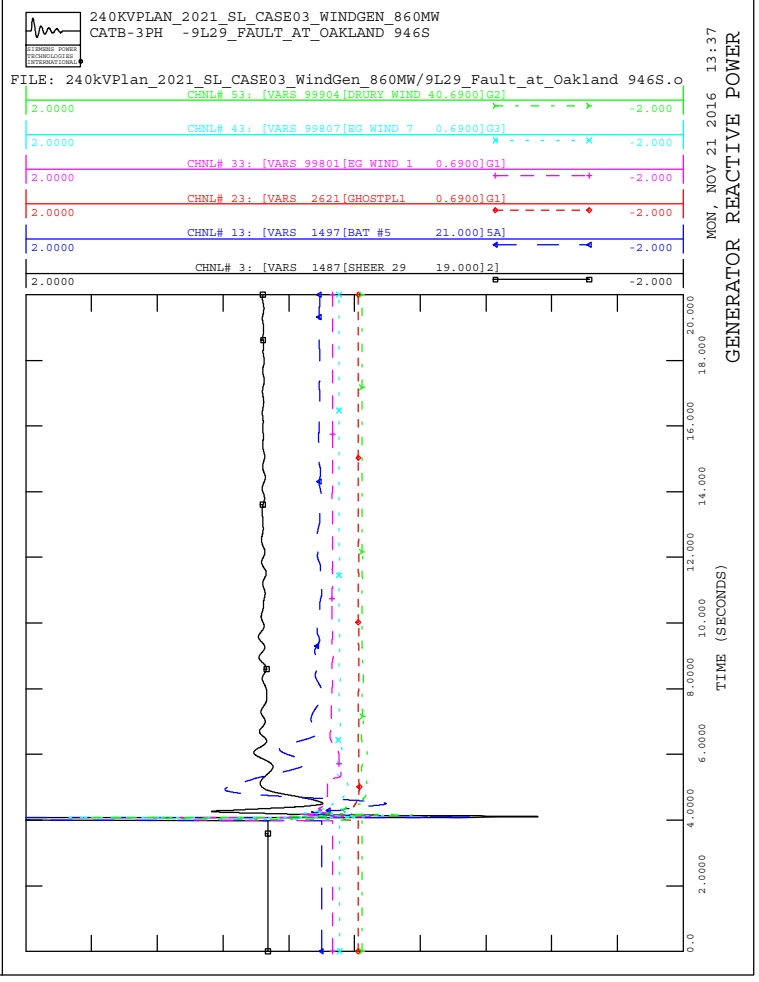
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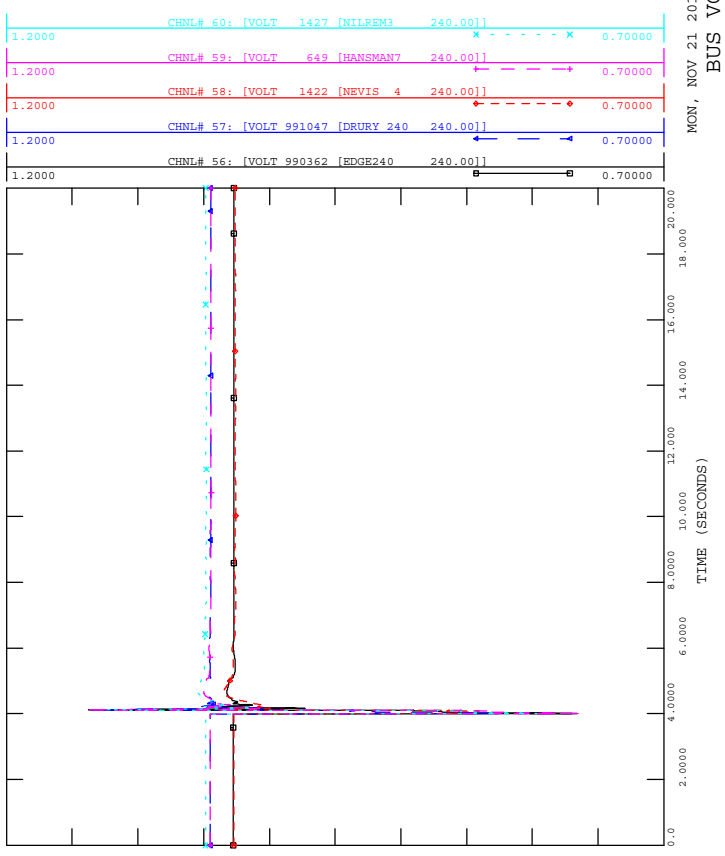
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

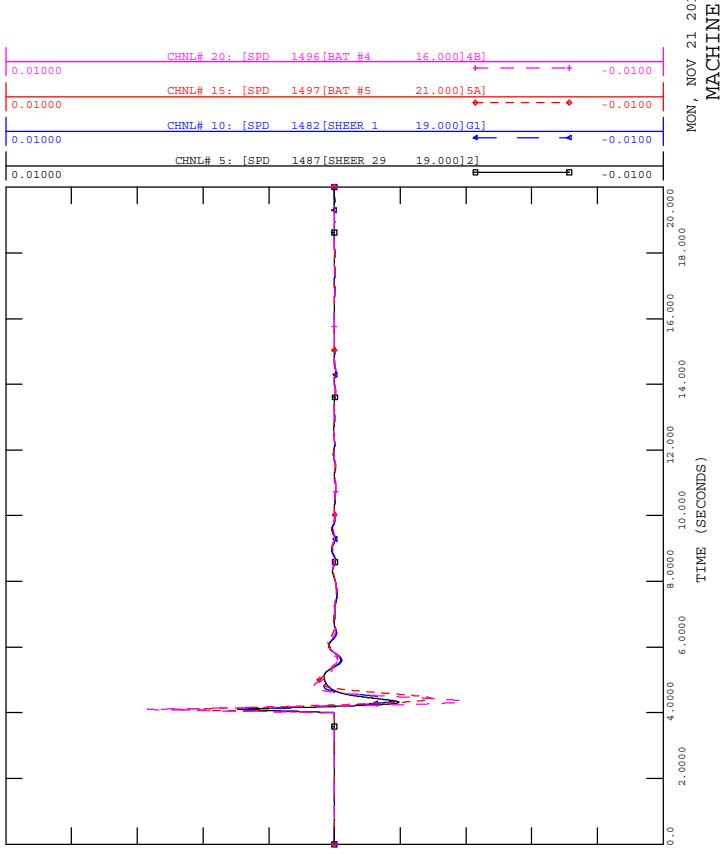
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96



MON, NOV 21 2016 13:37
BUS VOLTAGE

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

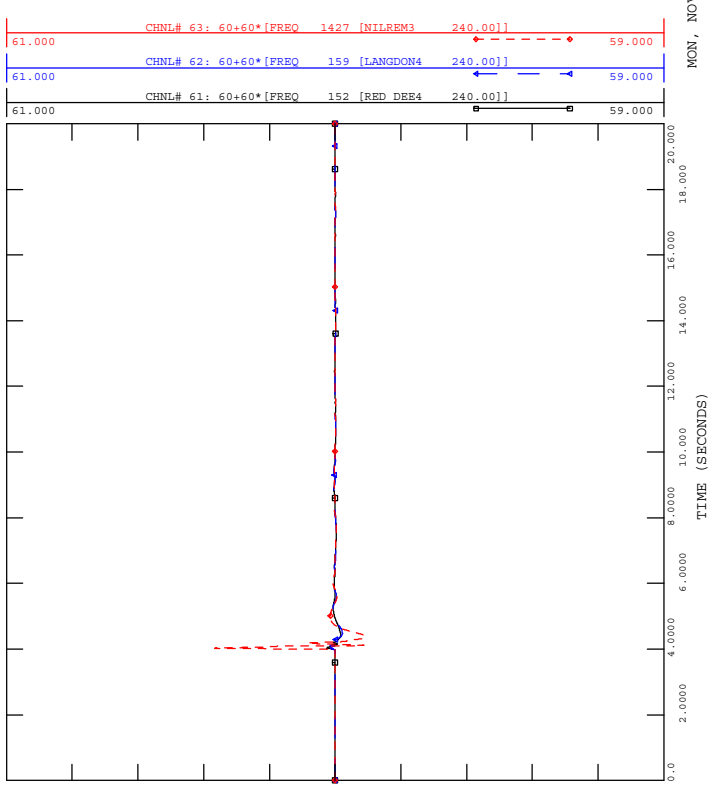
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96



MON, NOV 21 2016 13:37
MACHINE SPEED

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

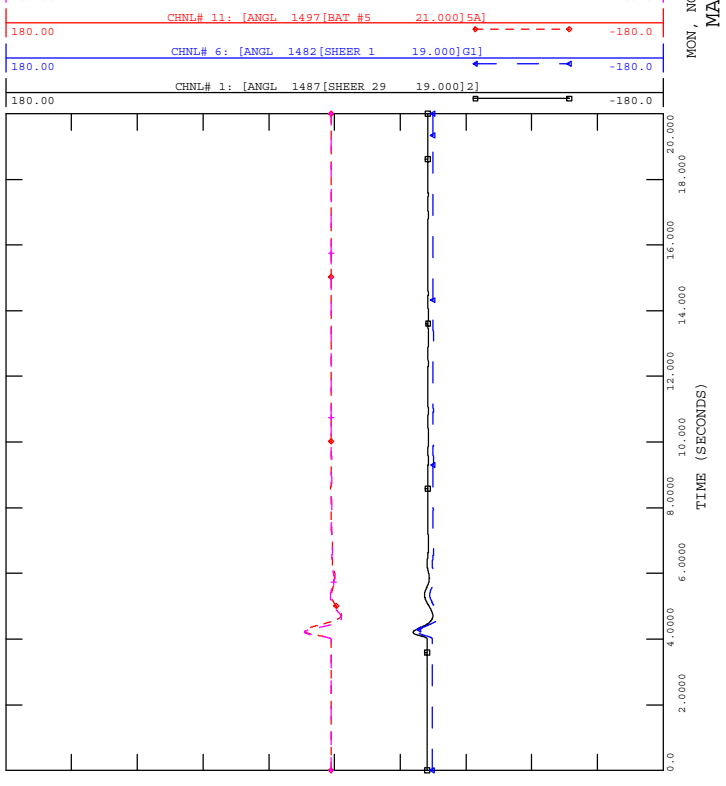
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96



MON, NOV 21 2016 13:37
FREQUENCY

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

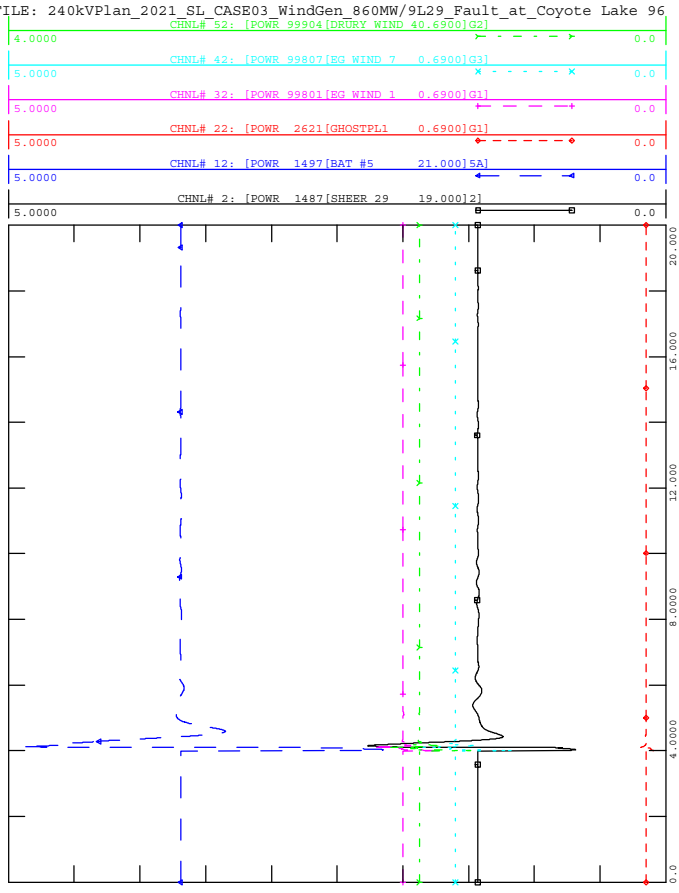
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96



MON, NOV 21 2016 13:37
MACHINE ANGEL

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

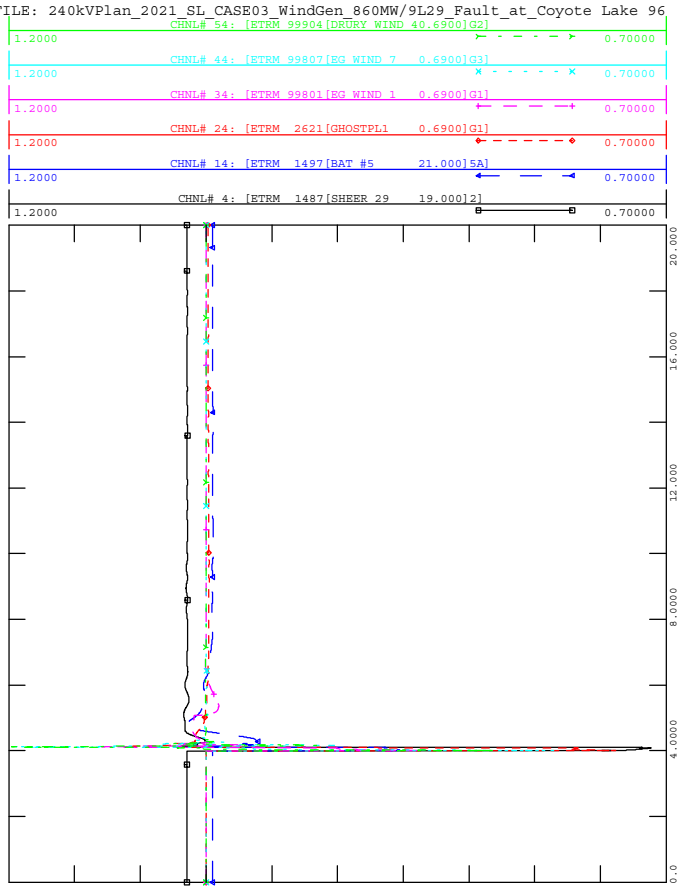
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96



MON, NOV 21 2016 13:37
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

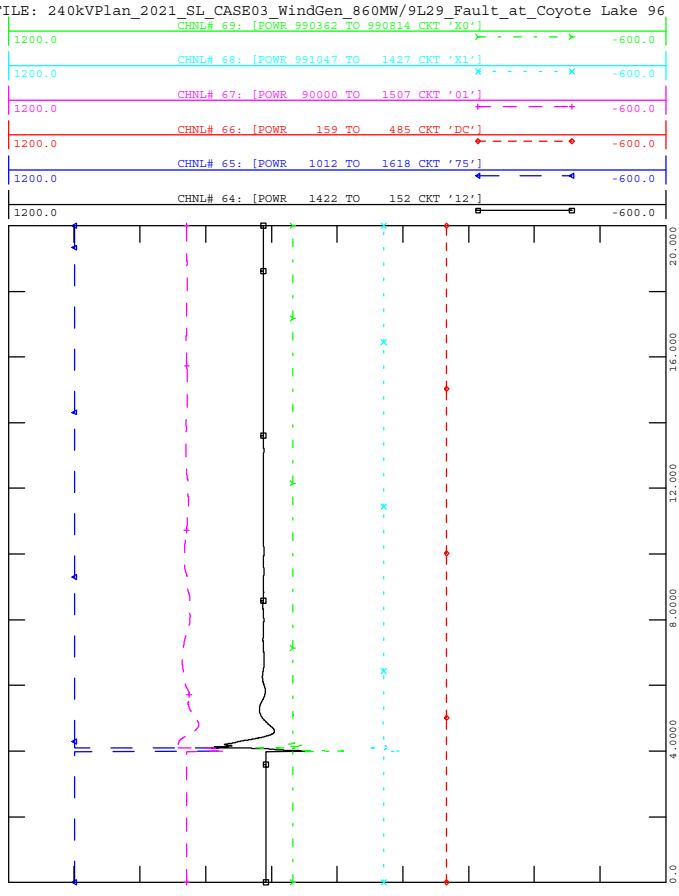
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96



MON, NOV 21 2016 13:37
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

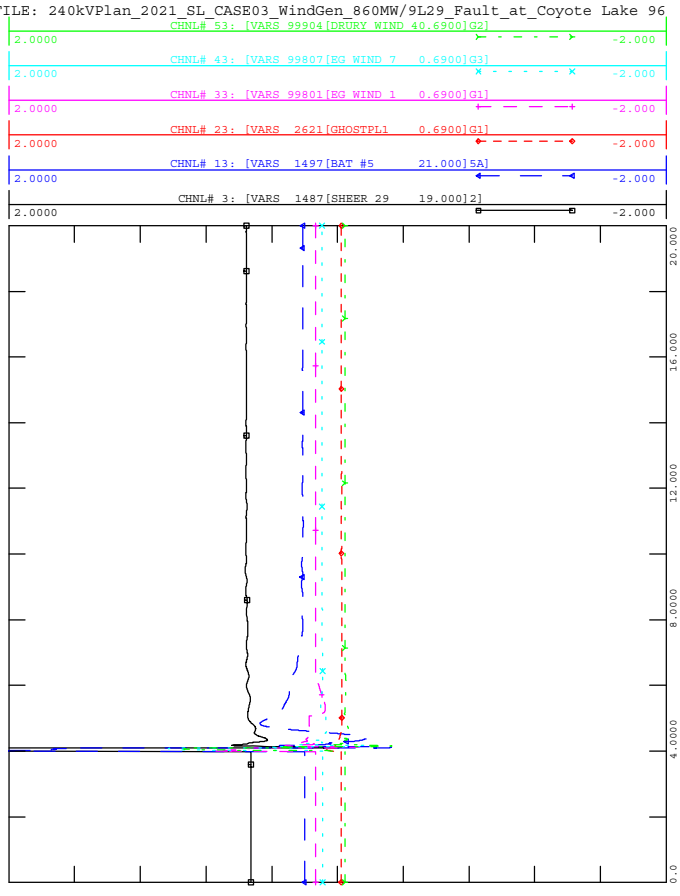
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96



MON, NOV 21 2016 13:37
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96



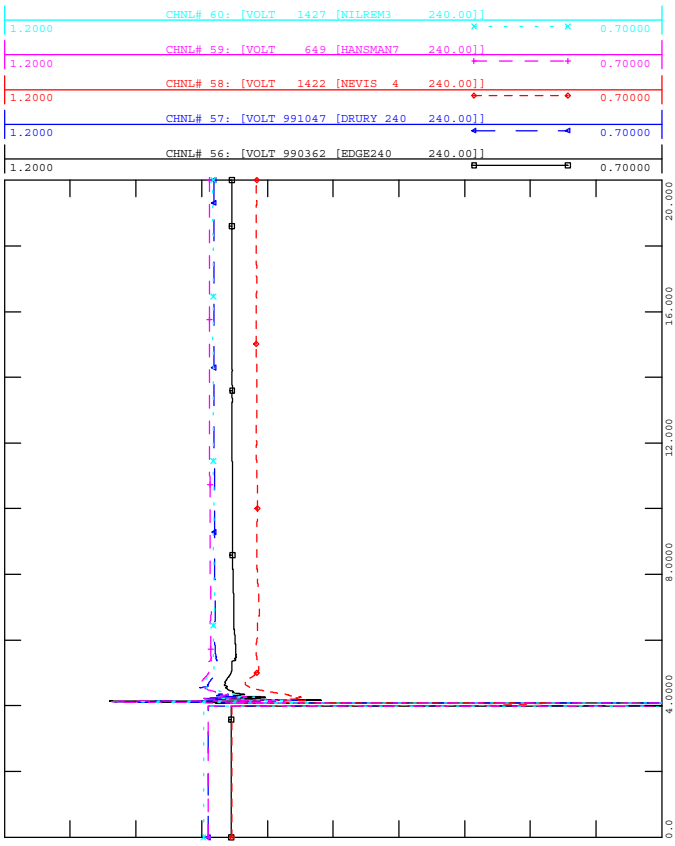
MON, NOV 21 2016 13:37
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

MON, NOV 21 2016 13:37

BUS VOLTAGE

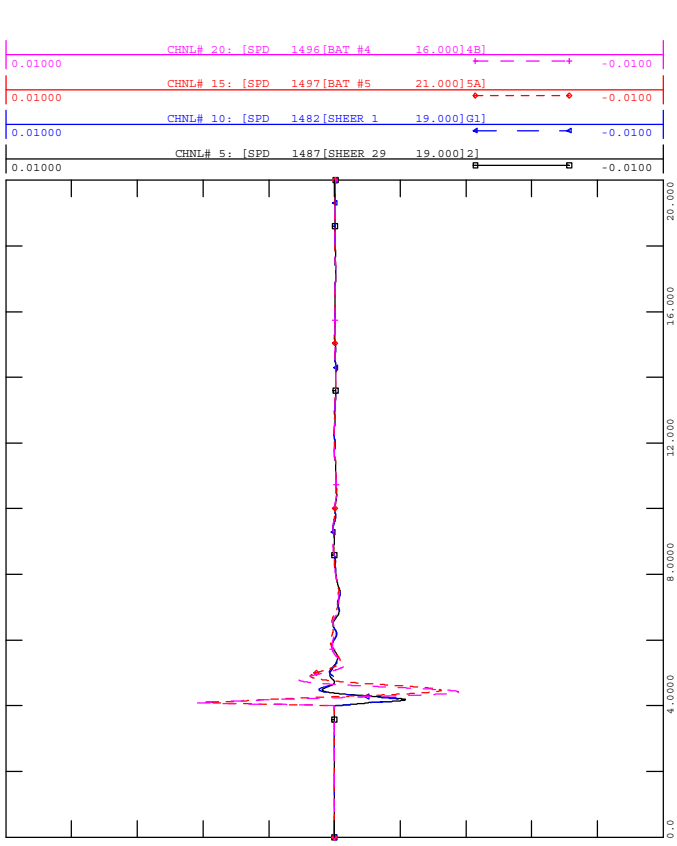


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

MON, NOV 21 2016 13:37

MACHINE SPEED

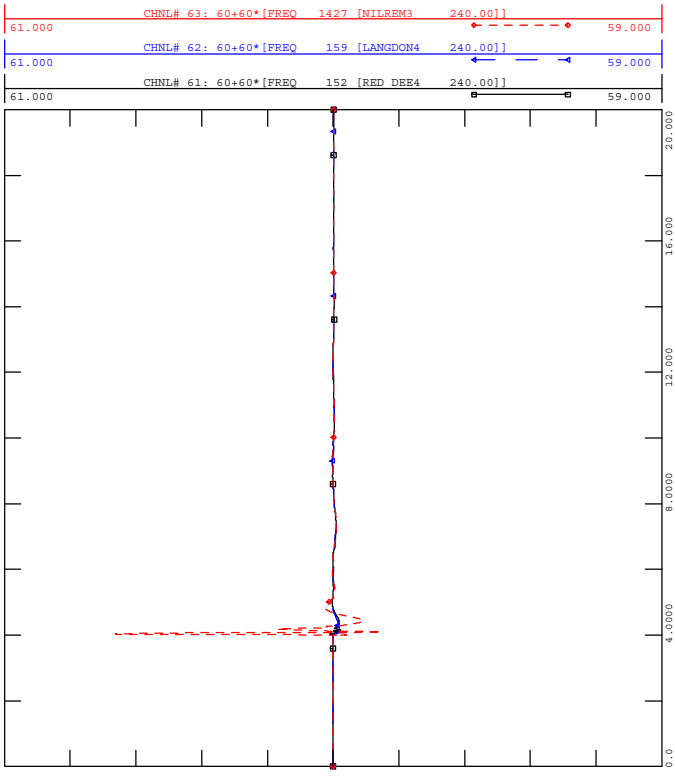


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

MON, NOV 21 2016 13:37

FREQUENCY

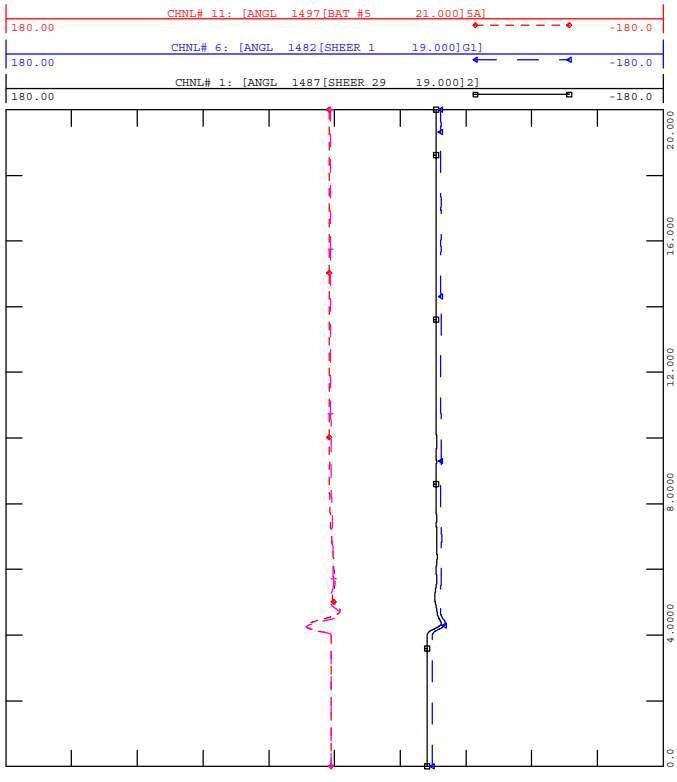


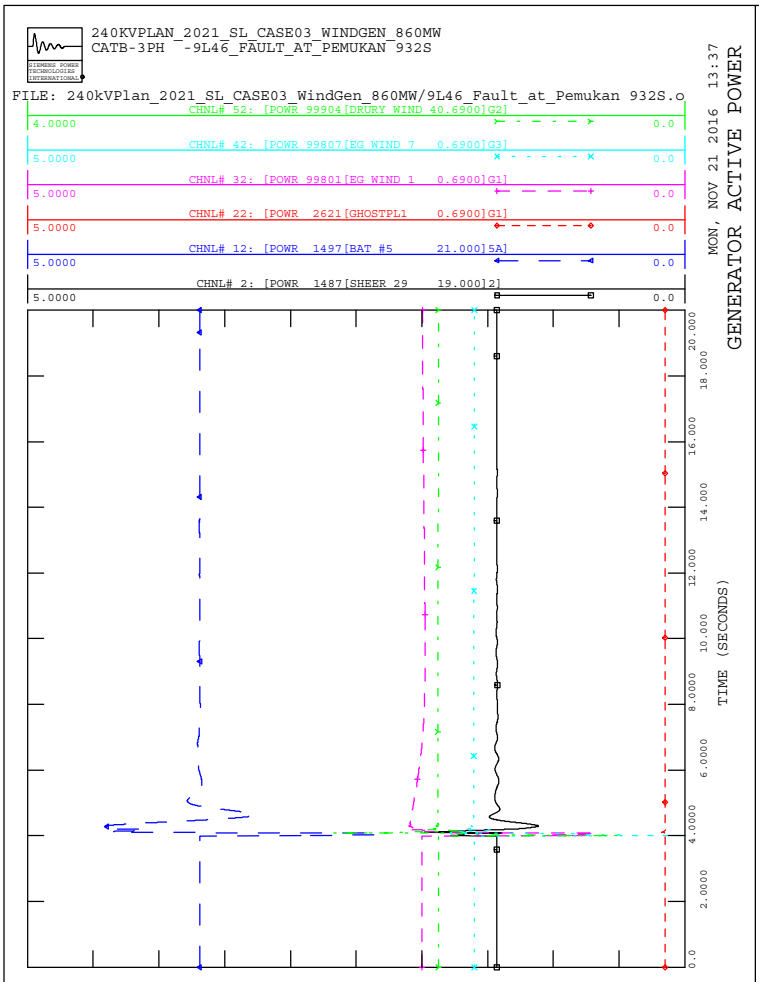
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

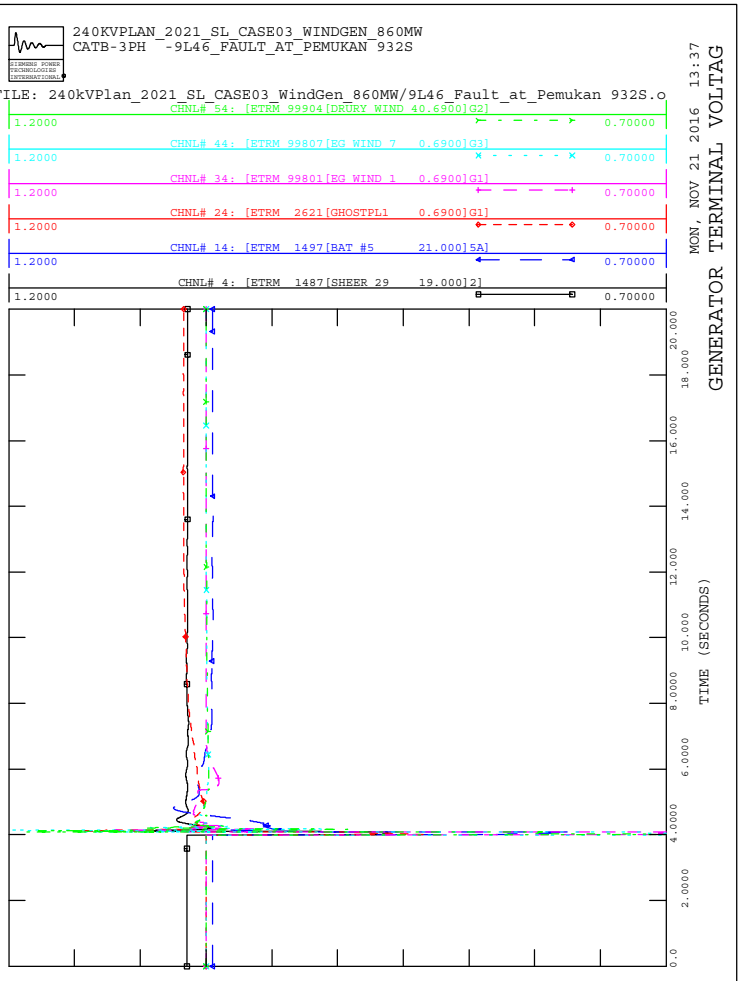
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

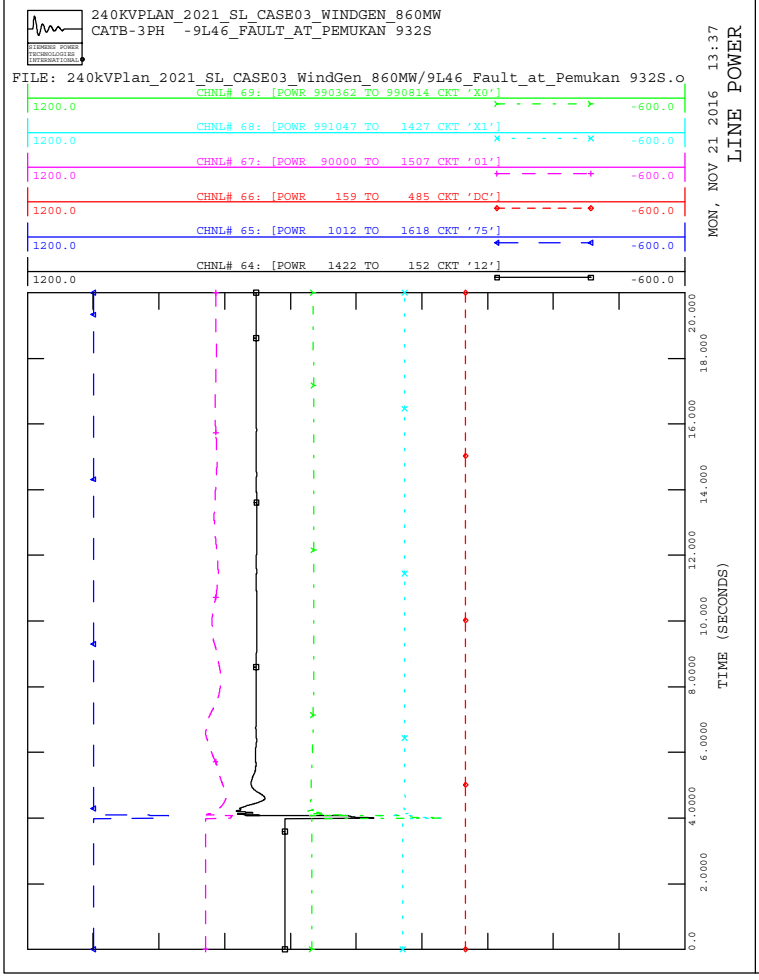
MON, NOV 21 2016 13:37

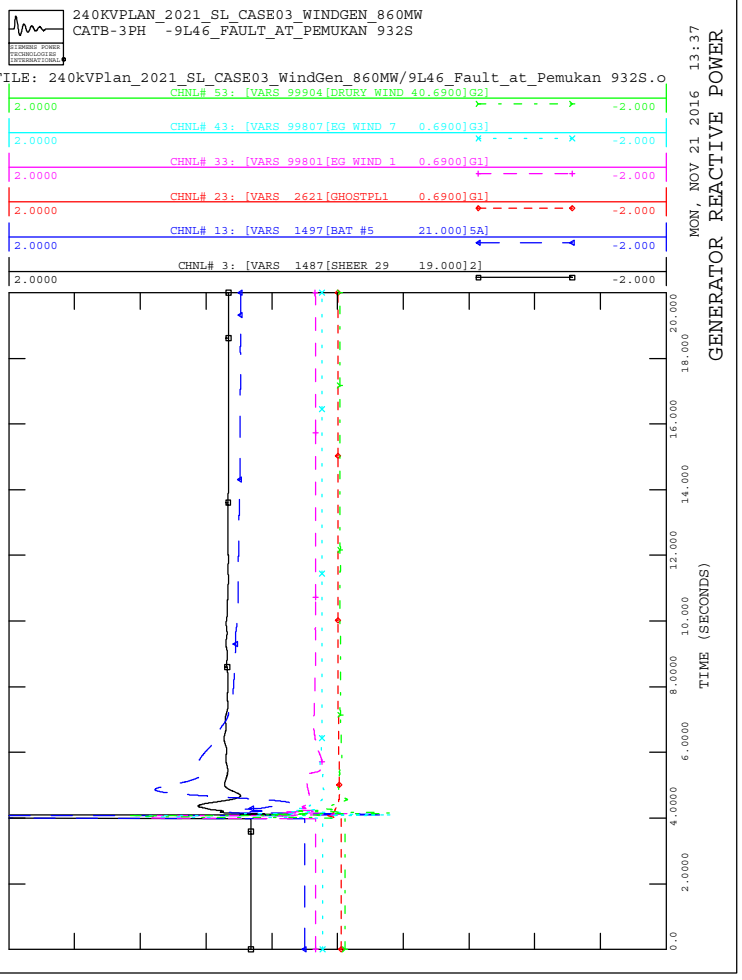
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:37
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

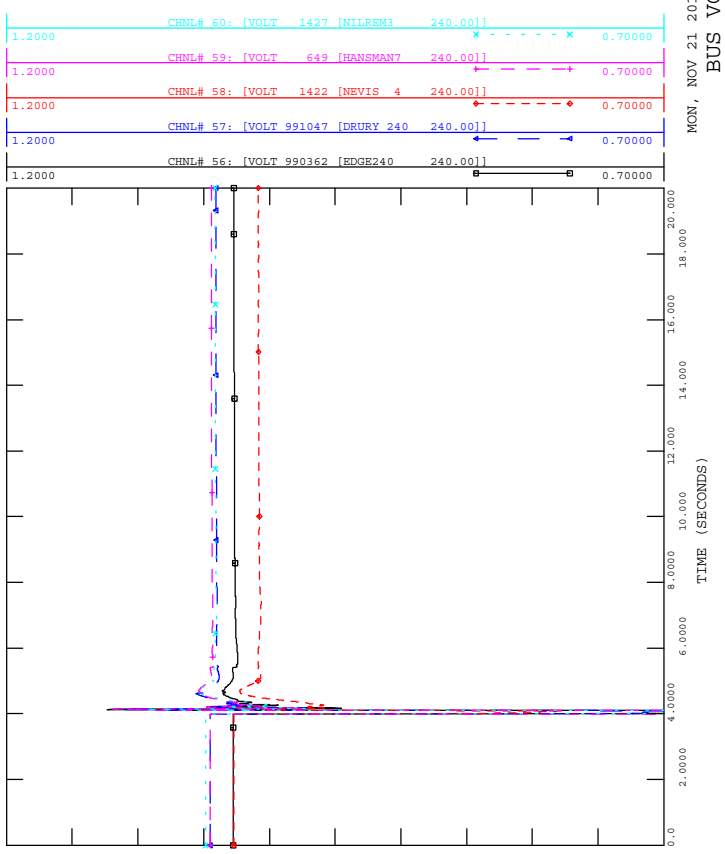

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:37
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:37

BUS VOLTAGE

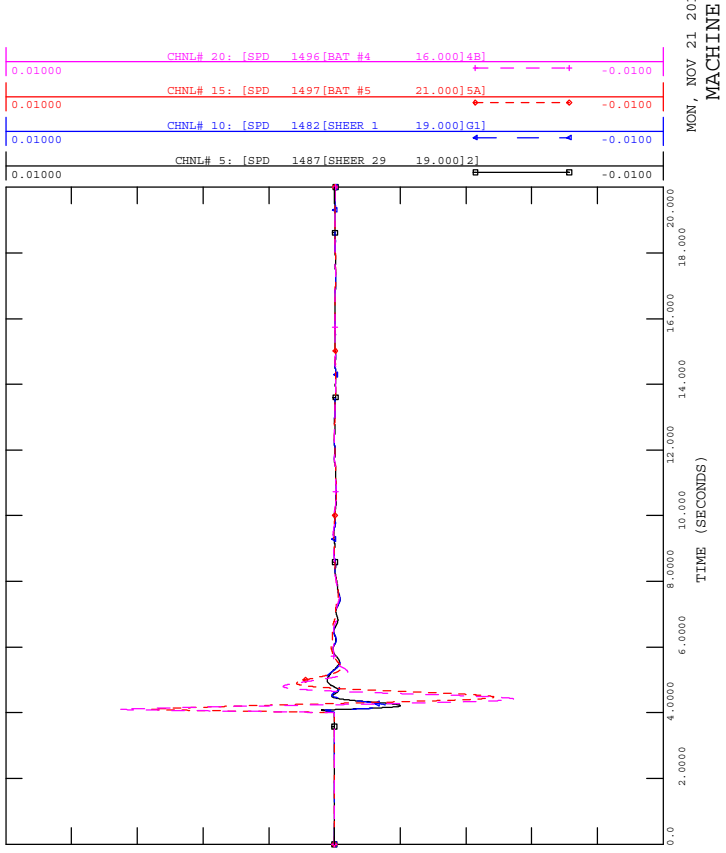


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:38

MACHINE SPEED

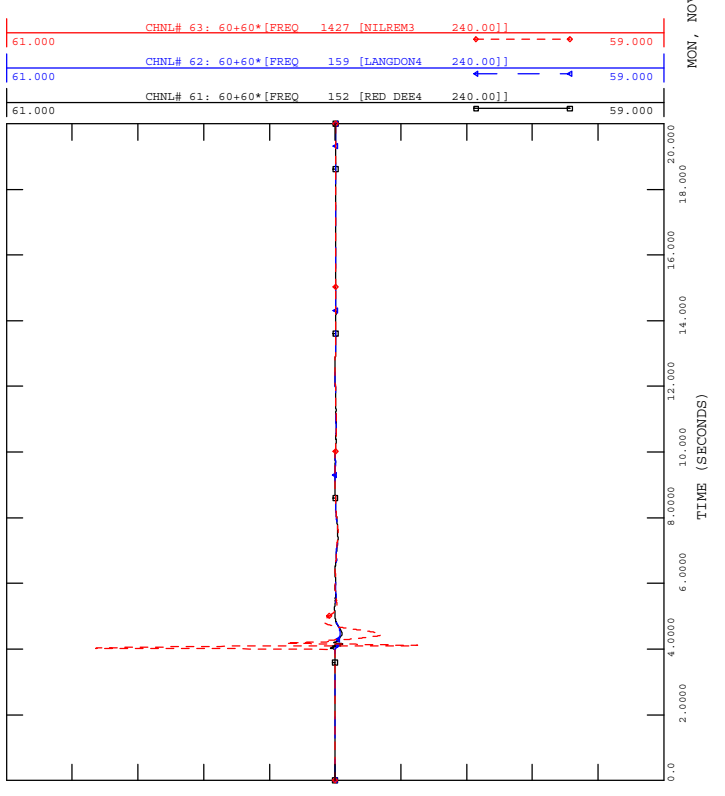


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:37

FREQUENCY

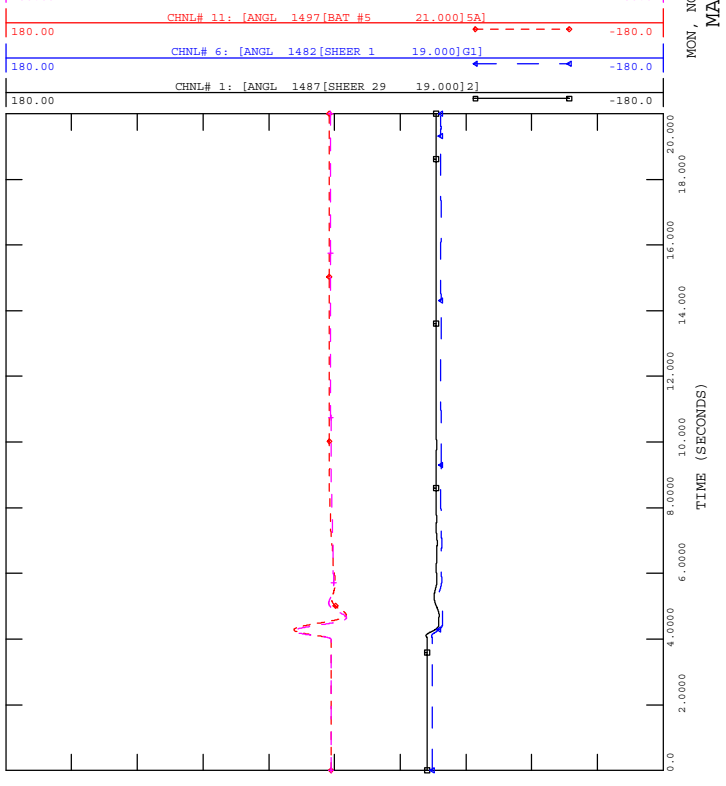


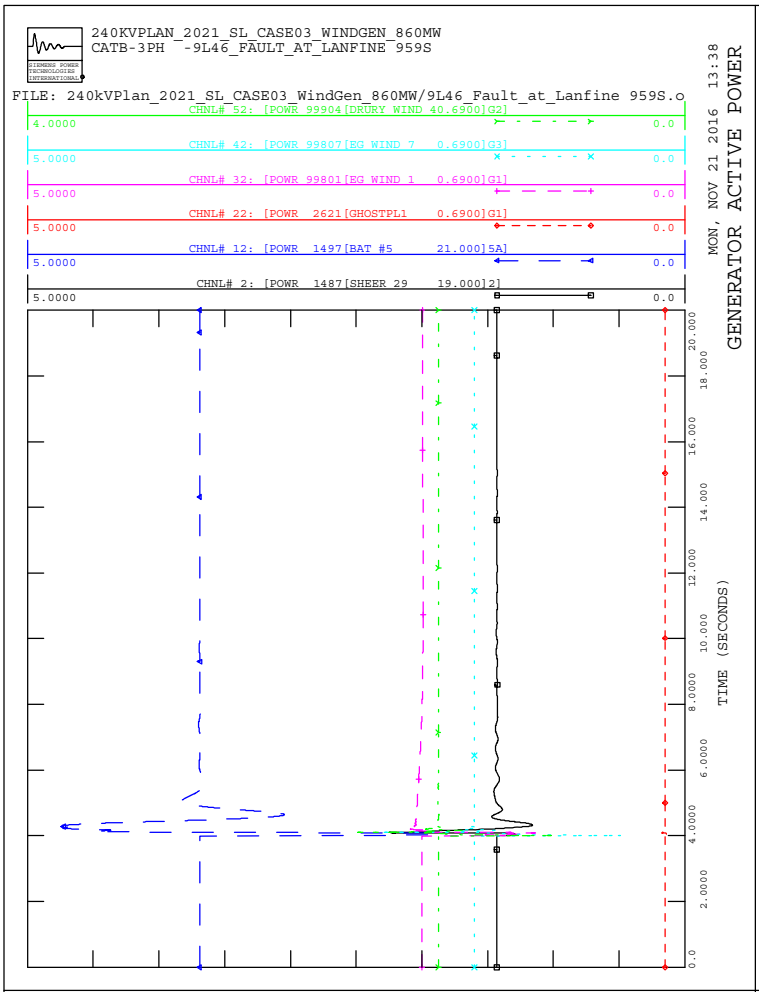
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

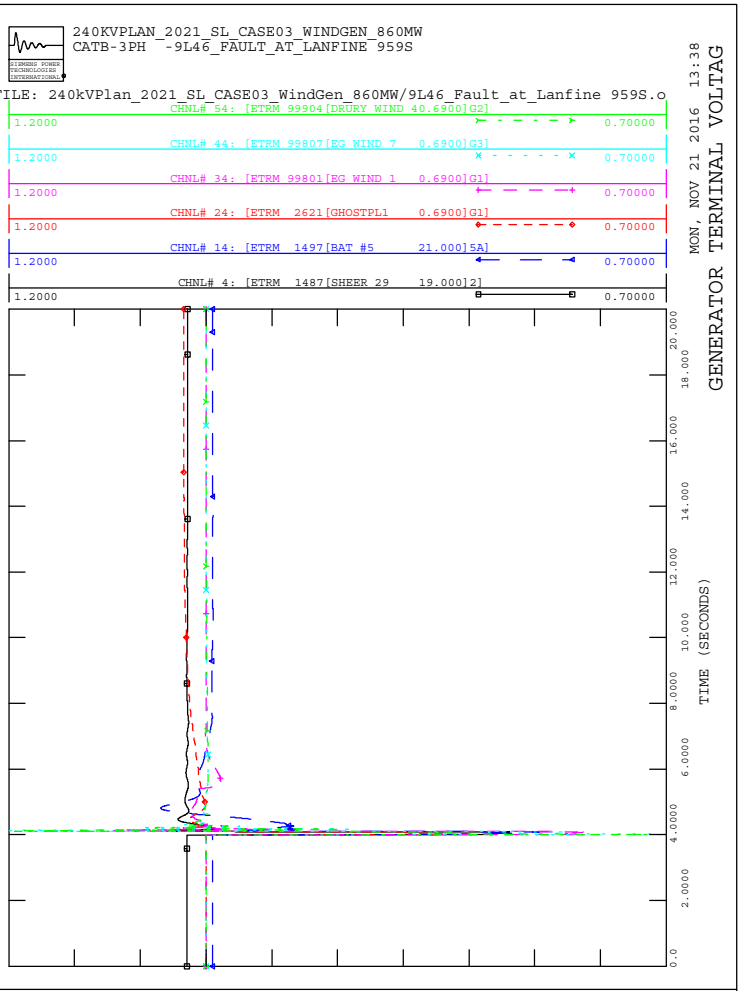
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

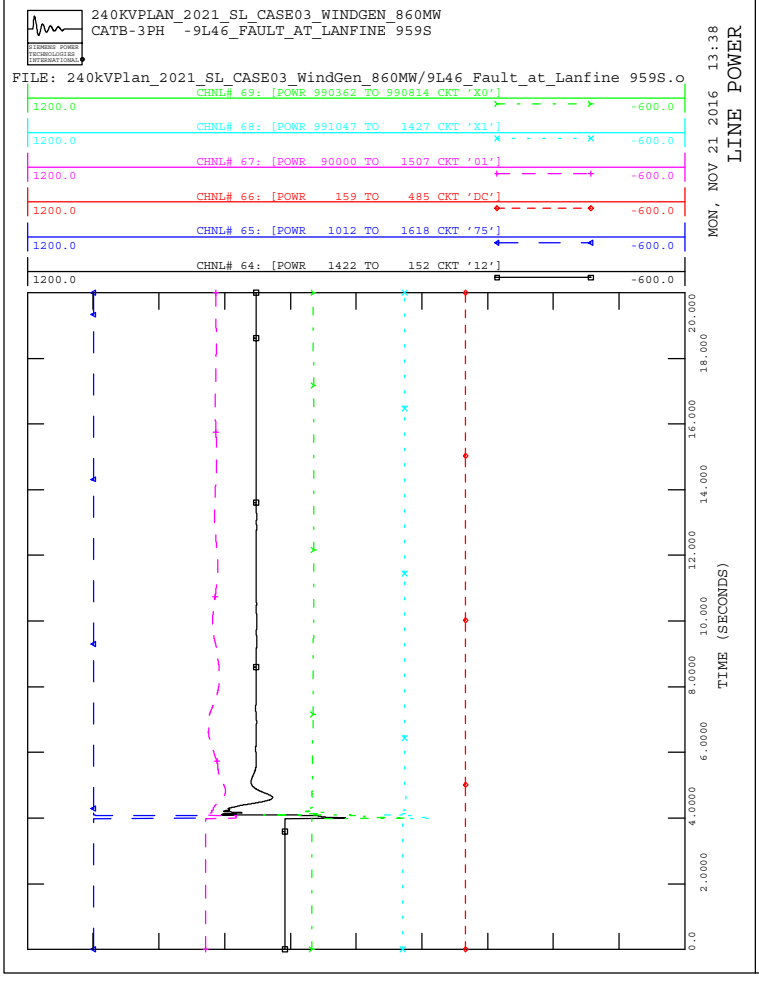
MON, NOV 21 2016 13:37

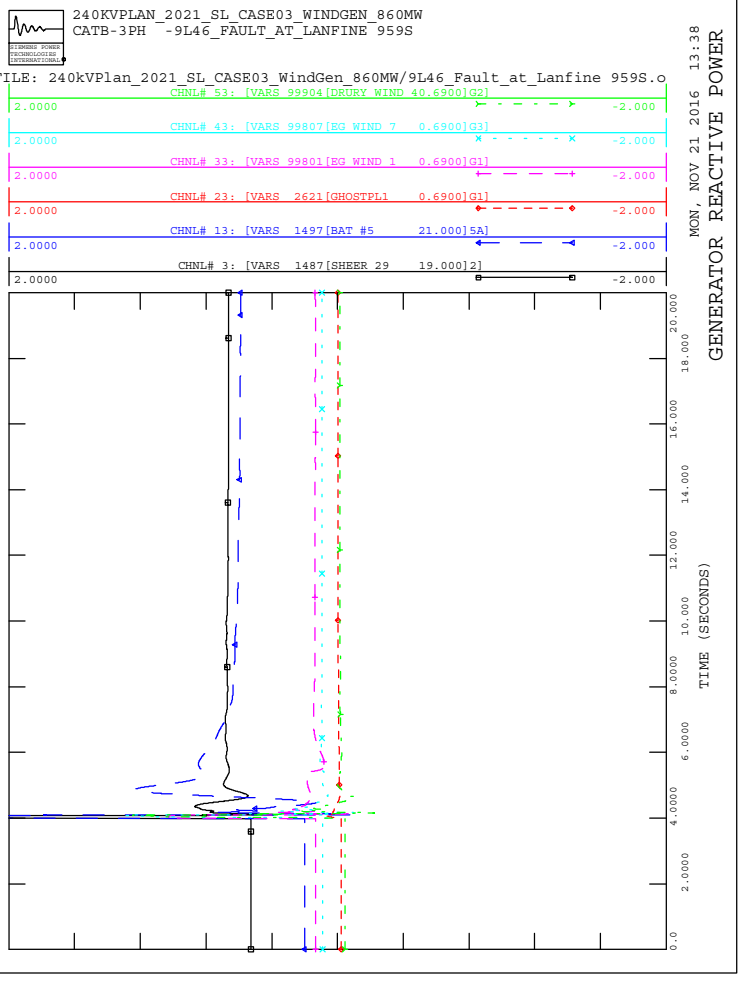
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:38
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)

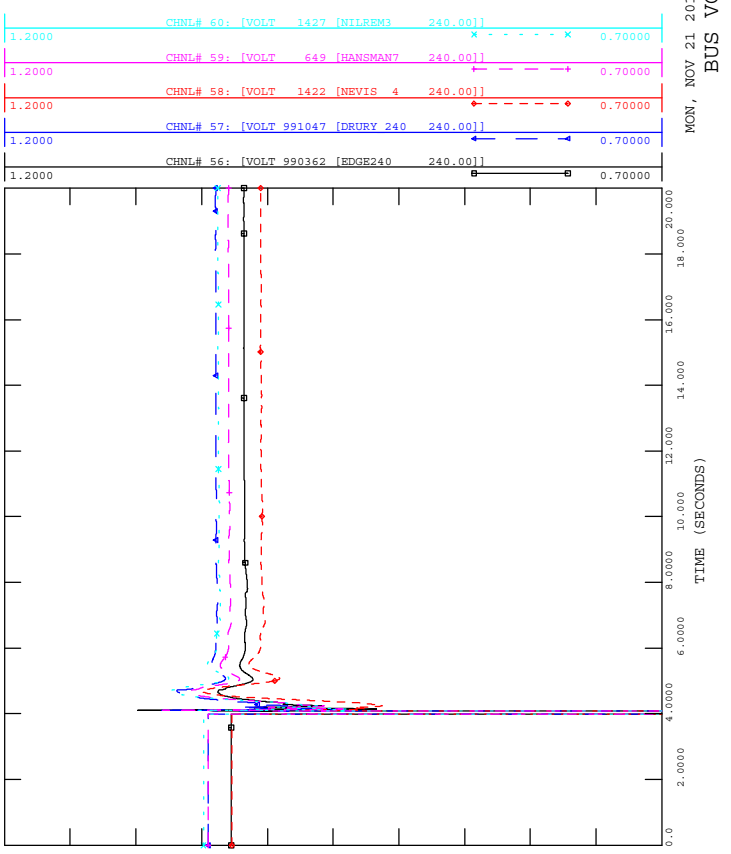

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:38

BUS VOLTAGE

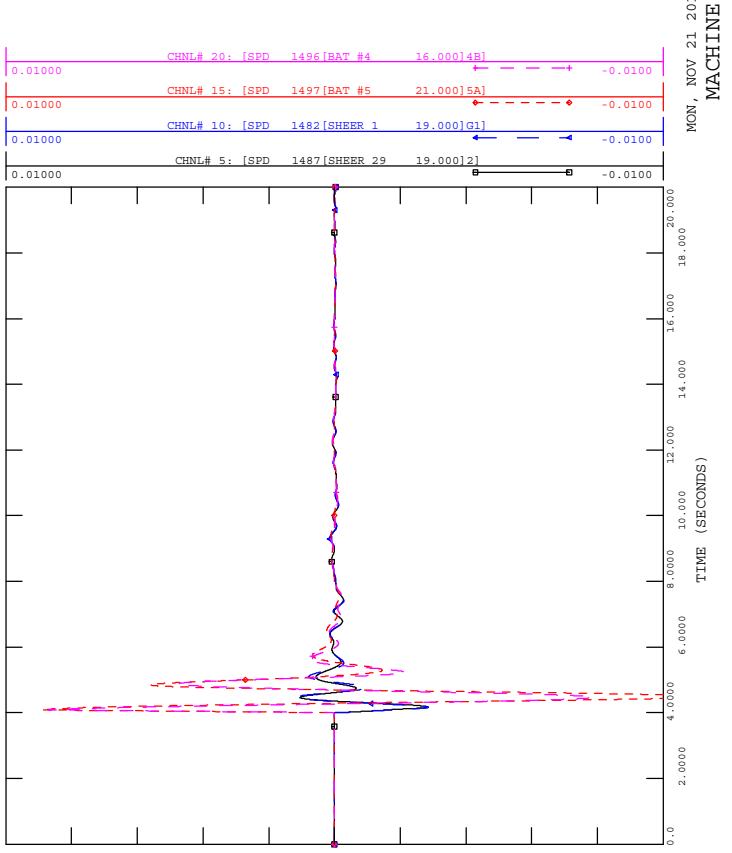


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:38

MACHINE SPEED

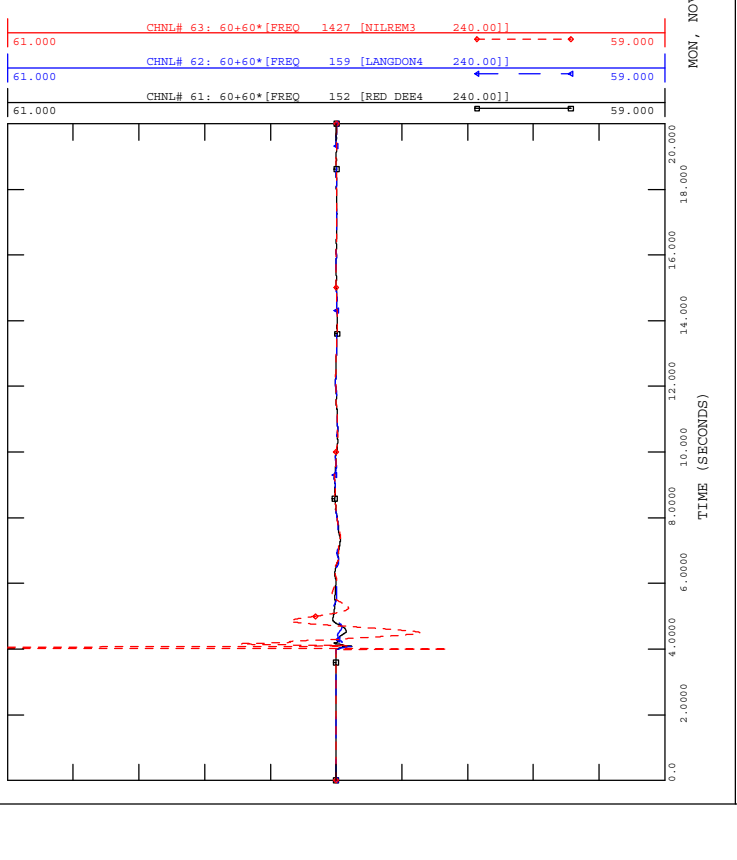


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:38

FREQUENCY

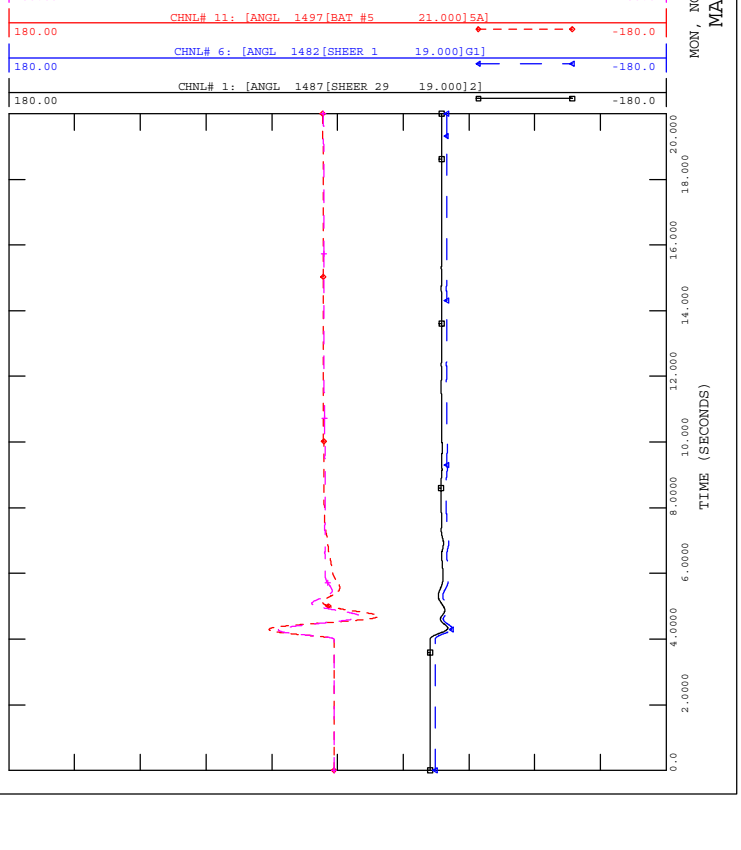


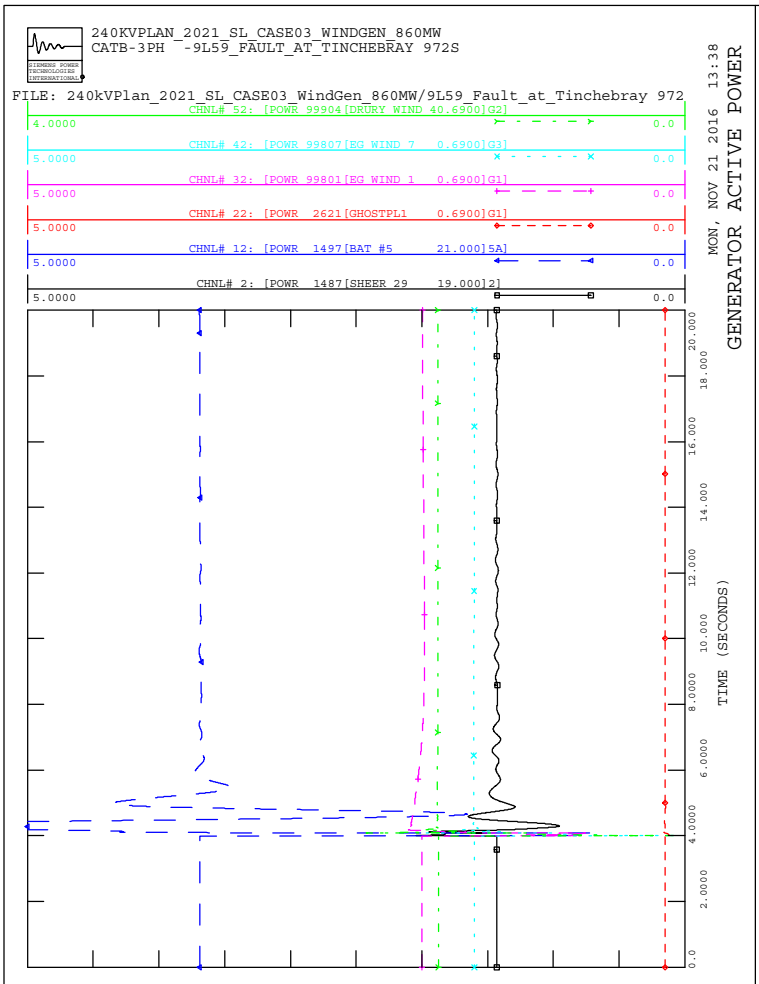
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

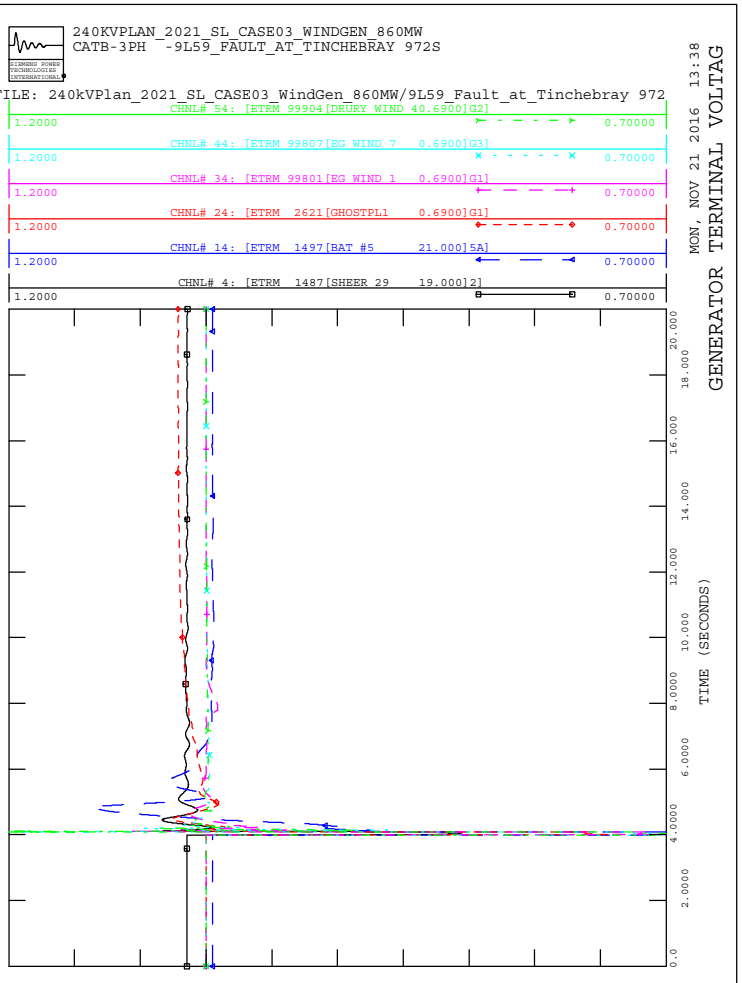
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972

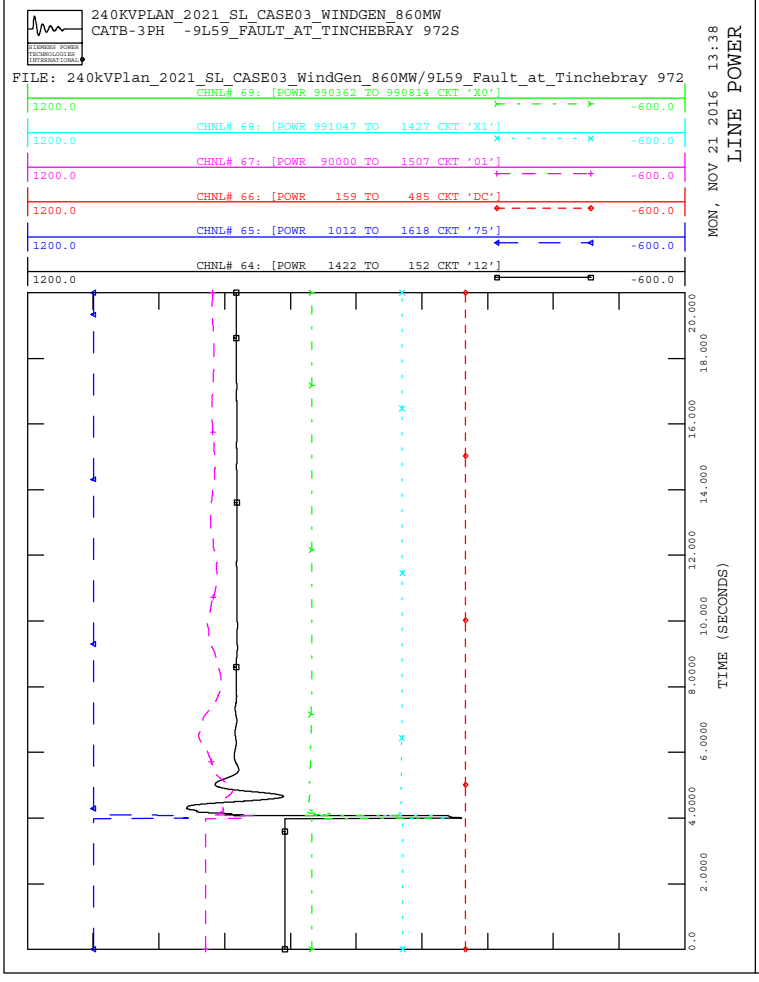
MON, NOV 21 2016 13:38

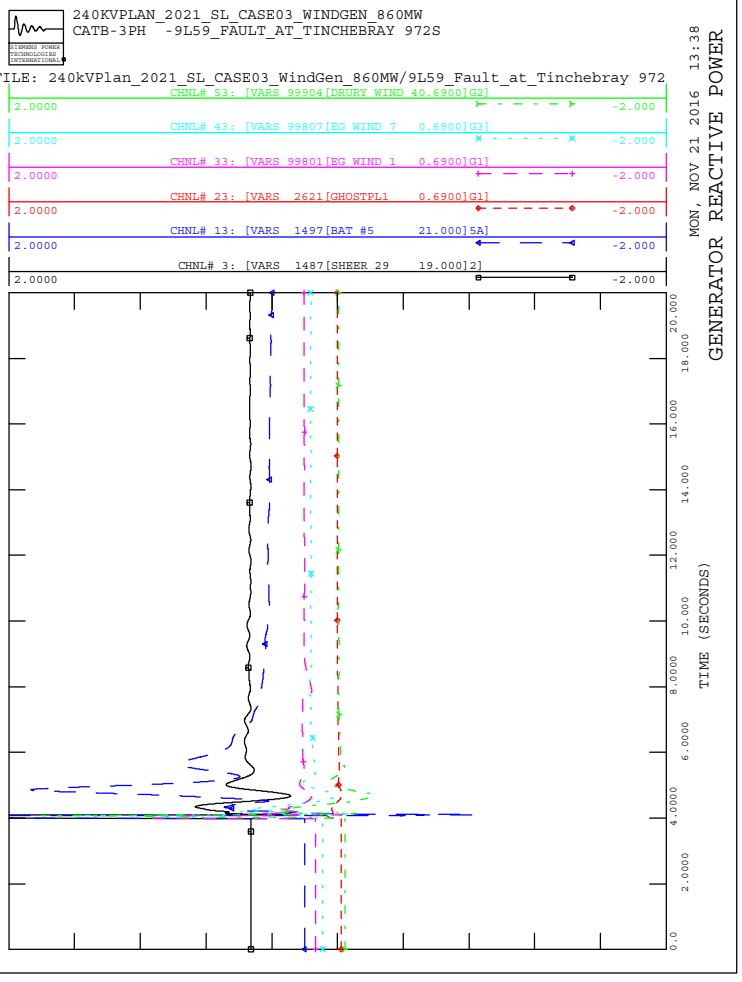
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:38
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:38
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:38
LINE POWER
TIME (SECONDS)

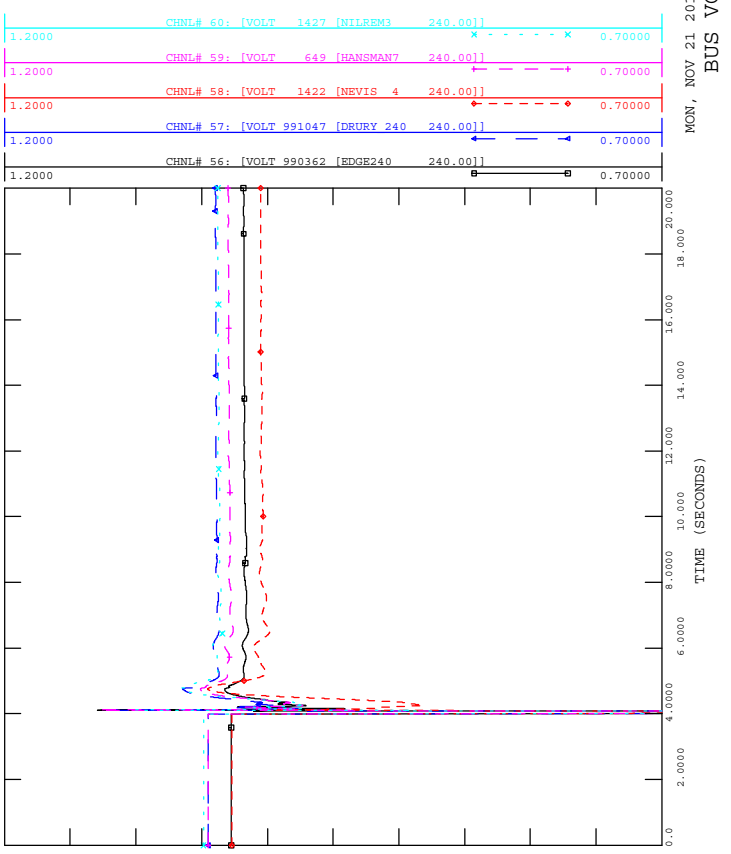

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:38
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:38

BUS VOLTAGE

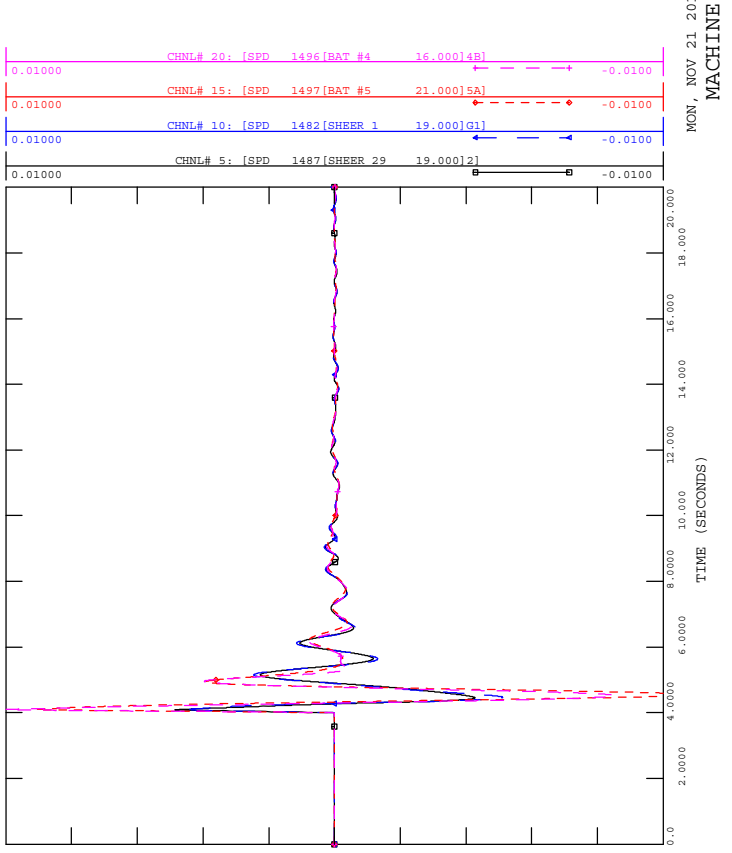


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:38

MACHINE SPEED

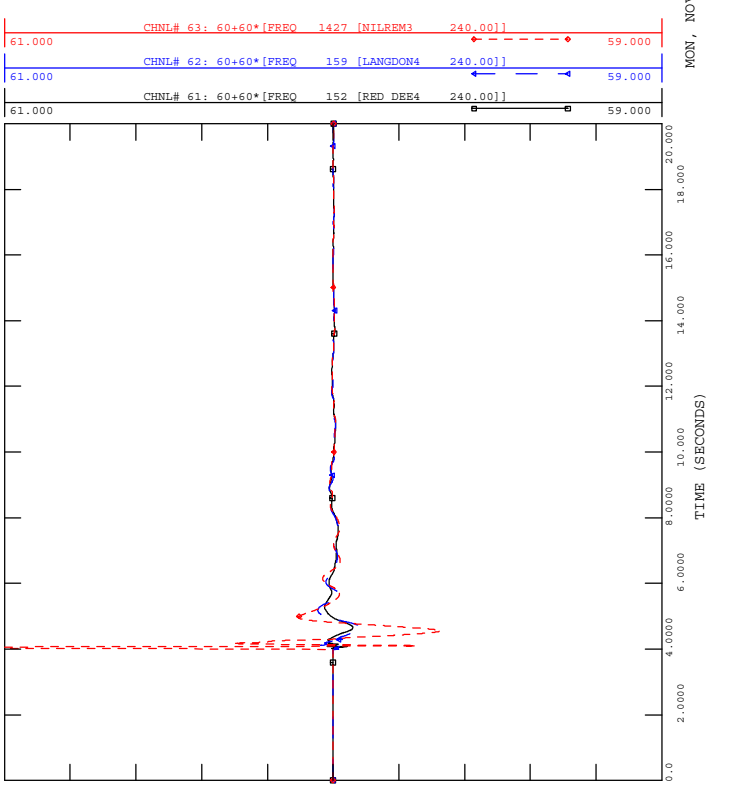


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:38

FREQUENCY

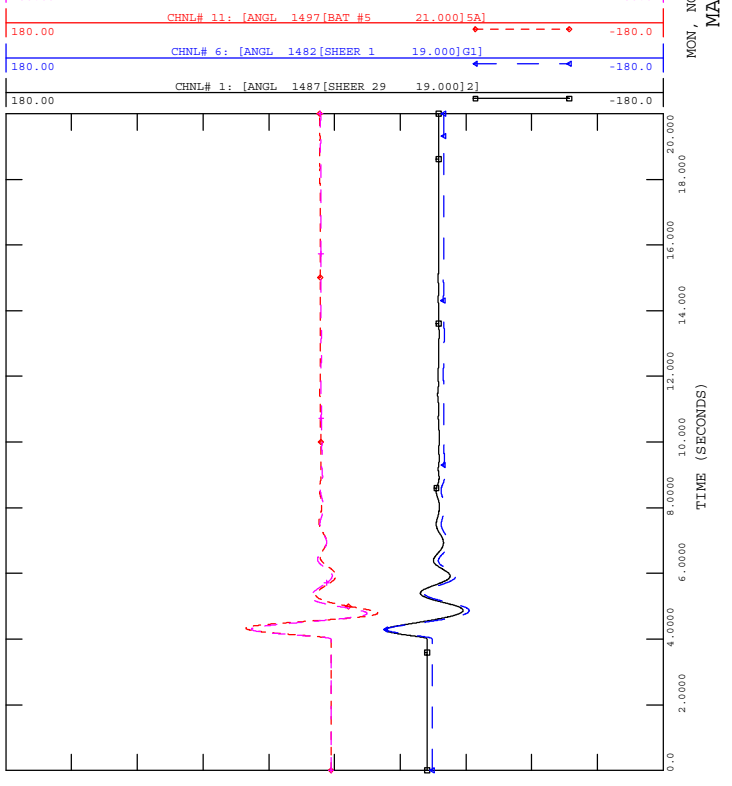


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.

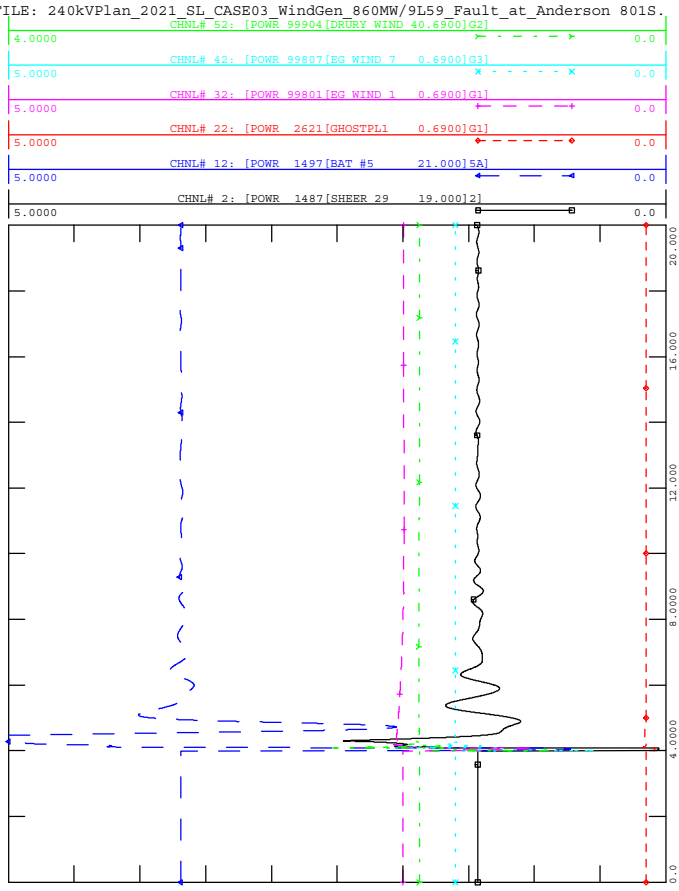
MON, NOV 21 2016 13:38

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.

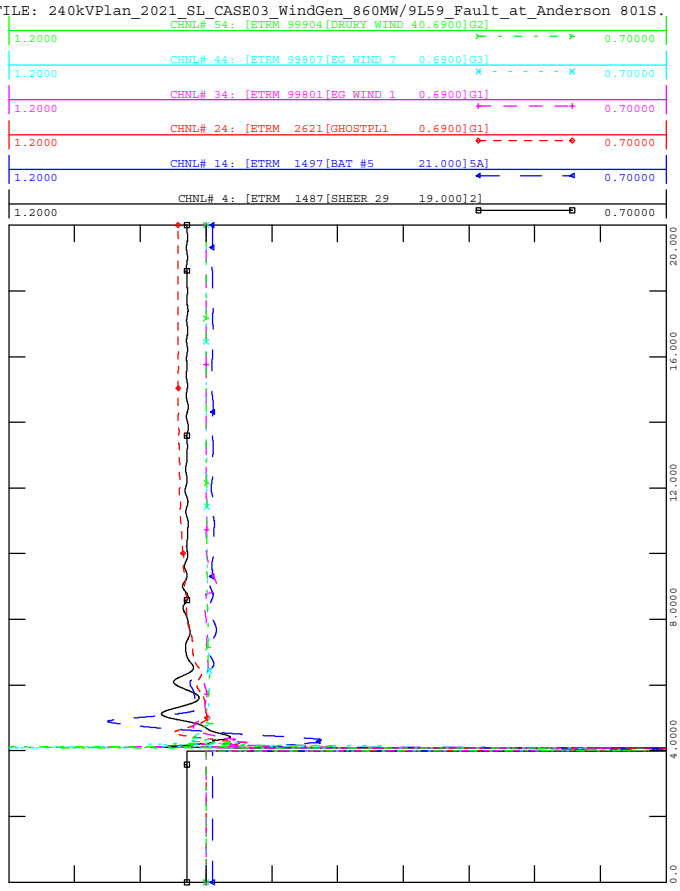


MON, NOV 21 2016 13:38

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.

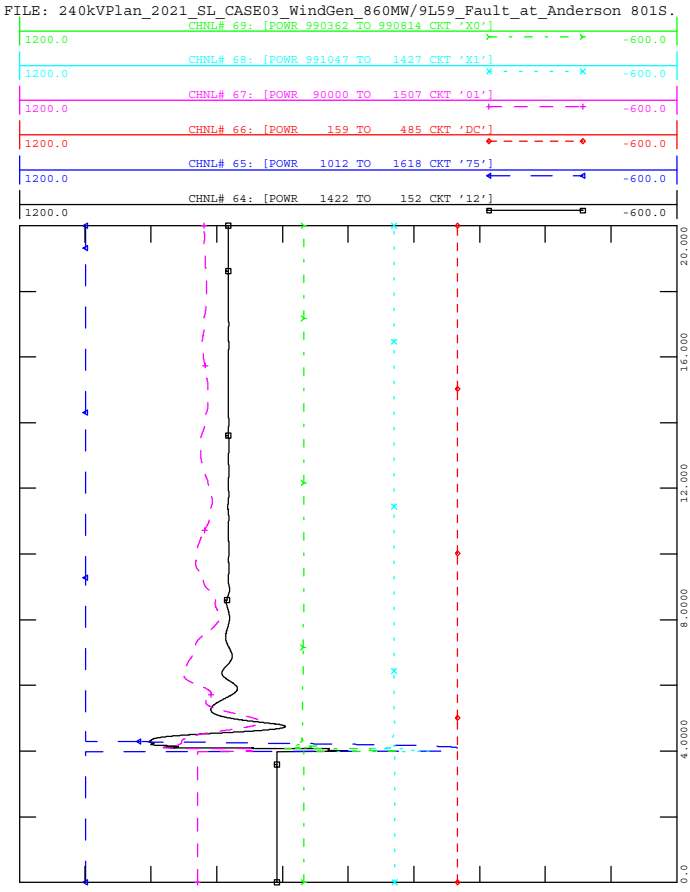


MON, NOV 21 2016 13:38

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.

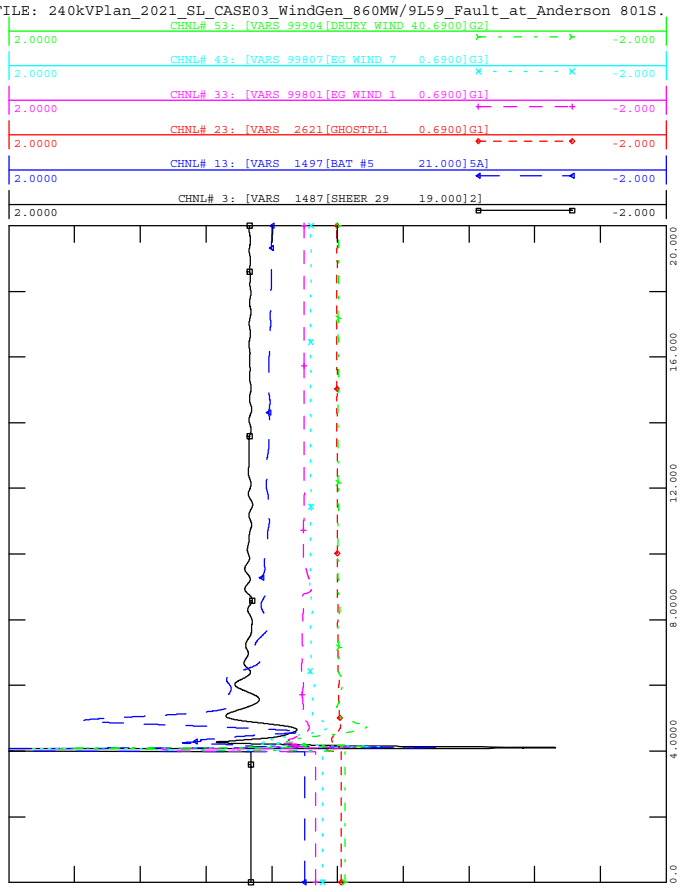


MON, NOV 21 2016 13:38

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.



MON, NOV 21 2016 13:38

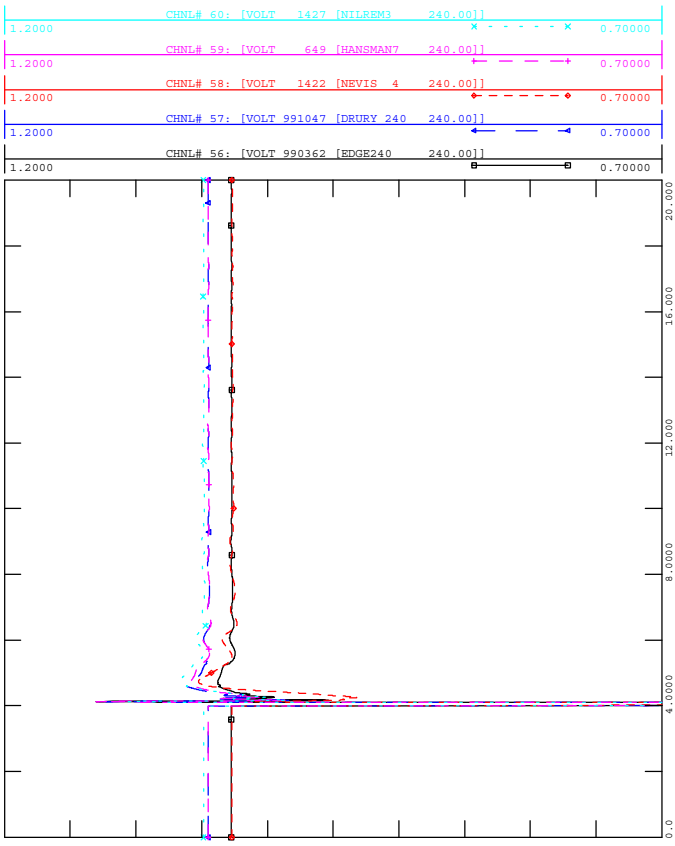
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:38

BUS VOLTAGE

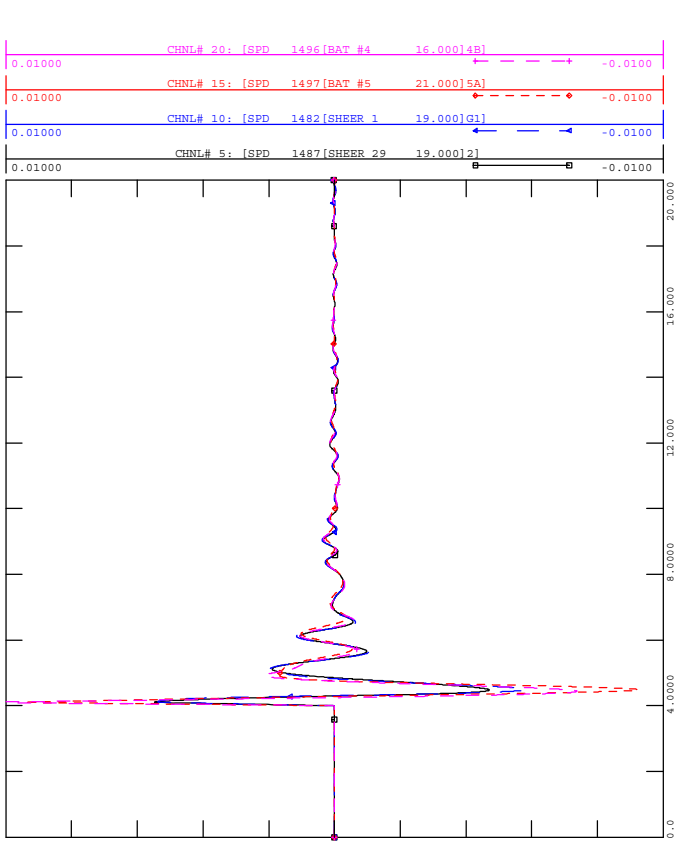


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:38

MACHINE SPEED

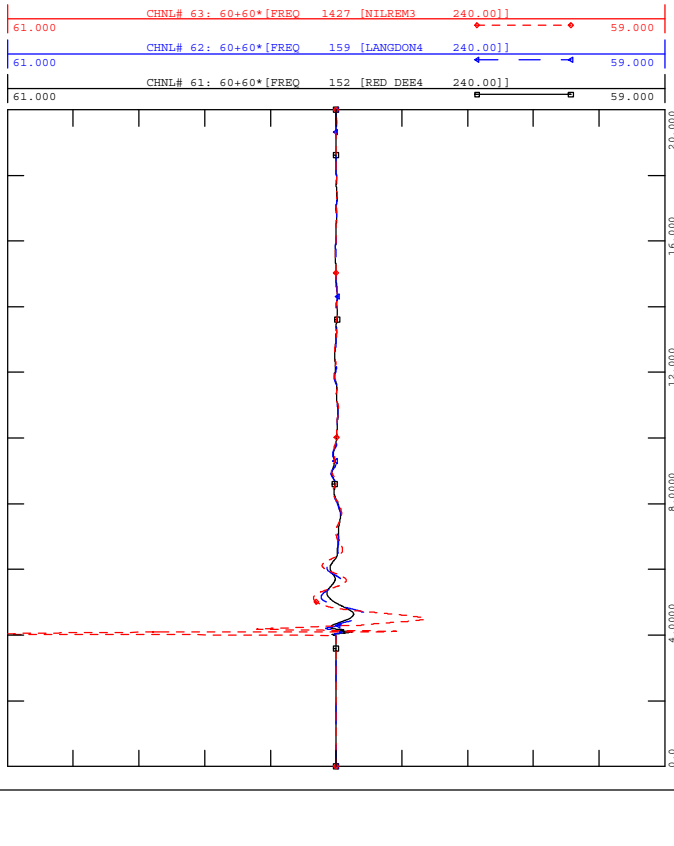


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:38

FREQUENCY

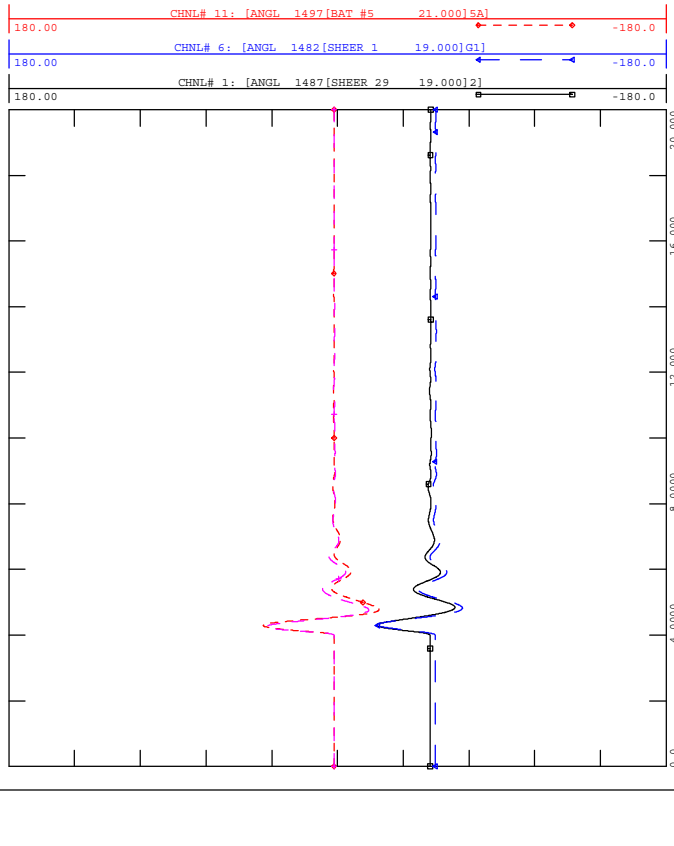


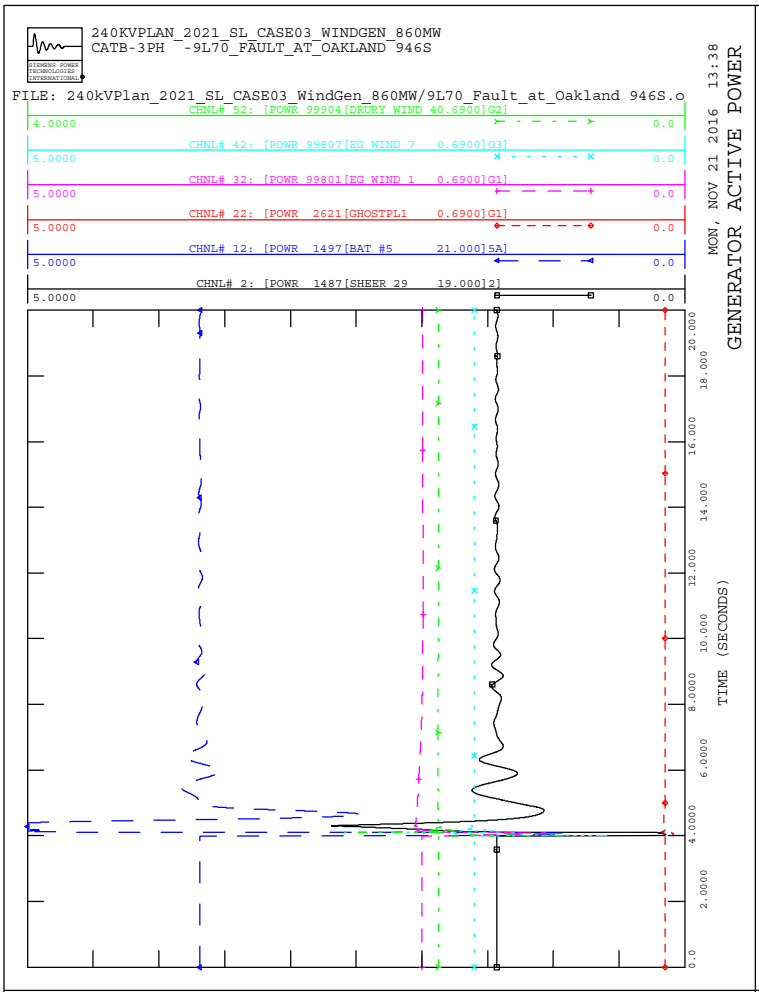
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

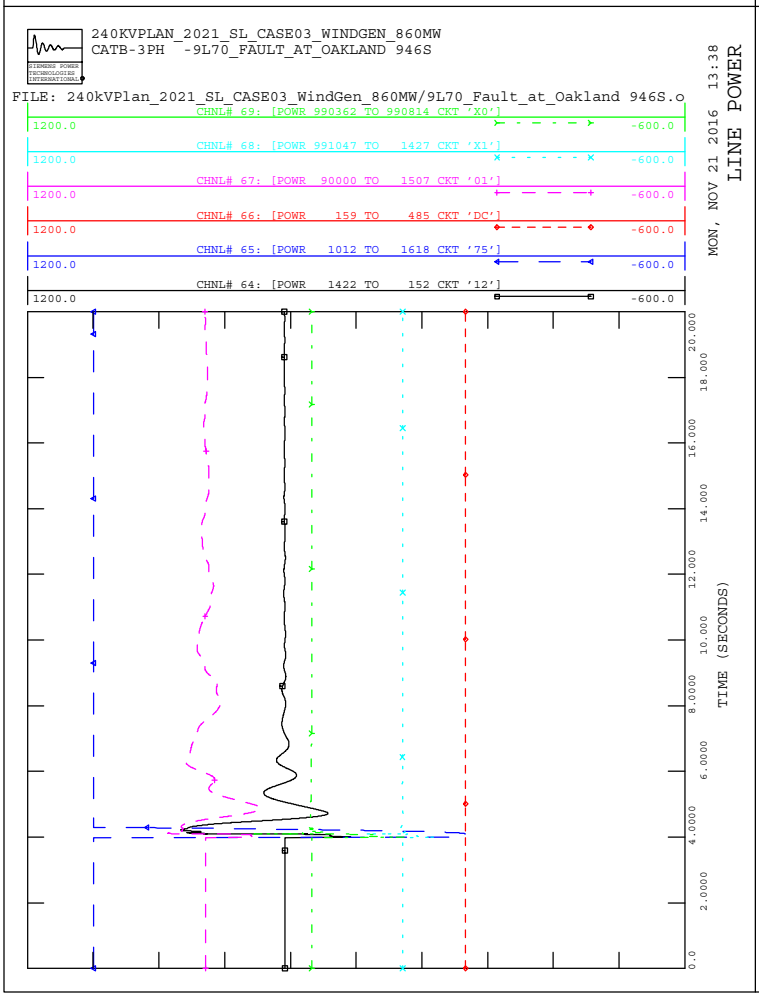
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

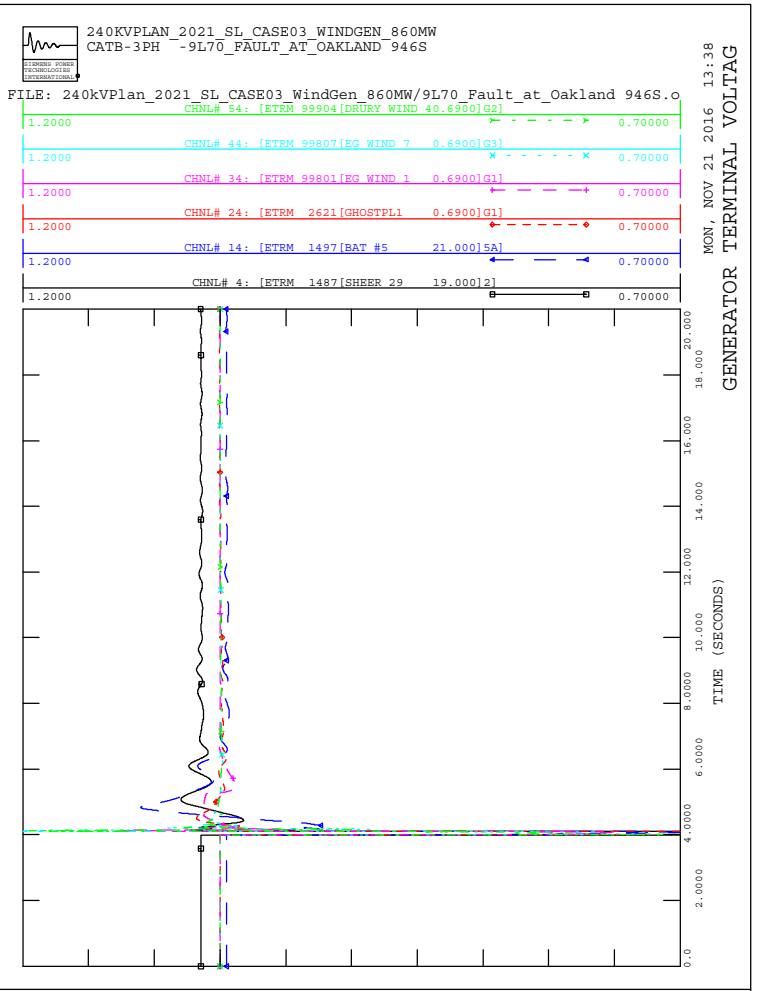
MON, NOV 21 2016 13:38

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
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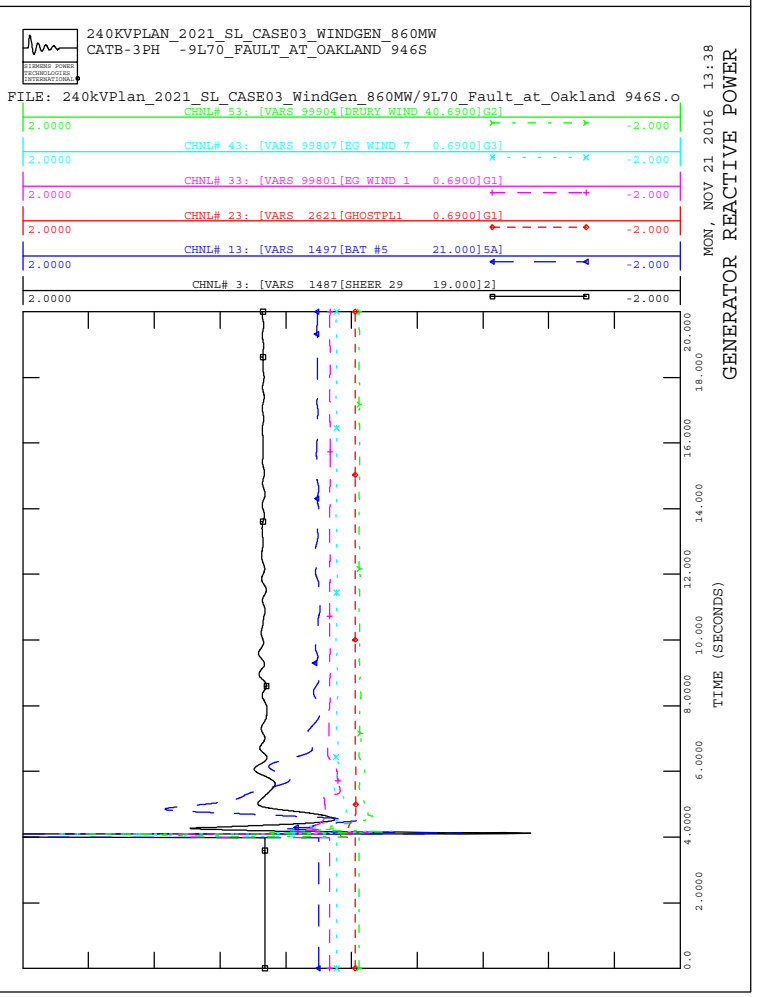
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:38
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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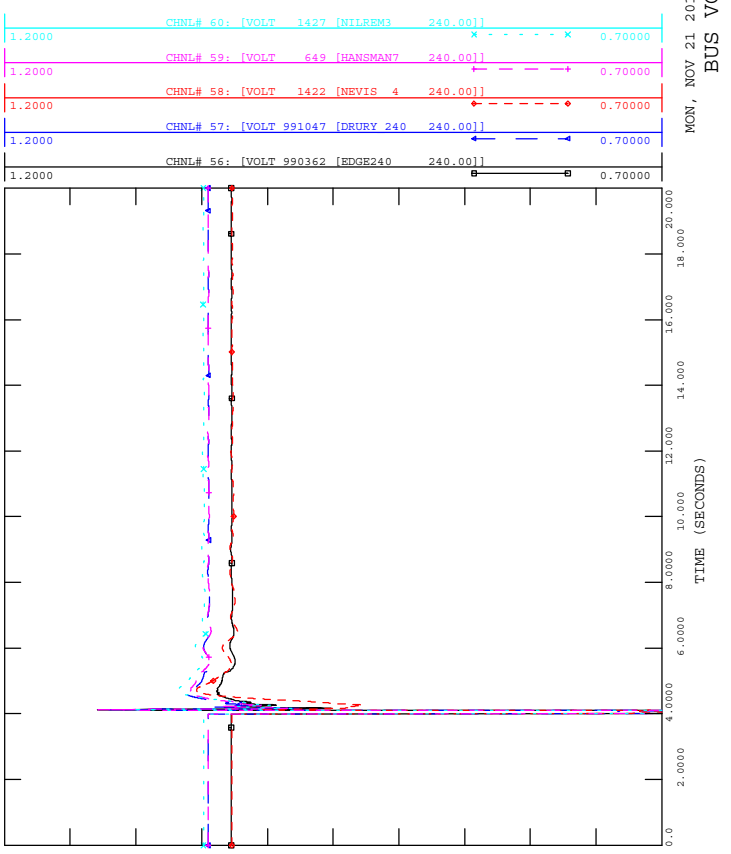
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:38

BUS VOLTAGE

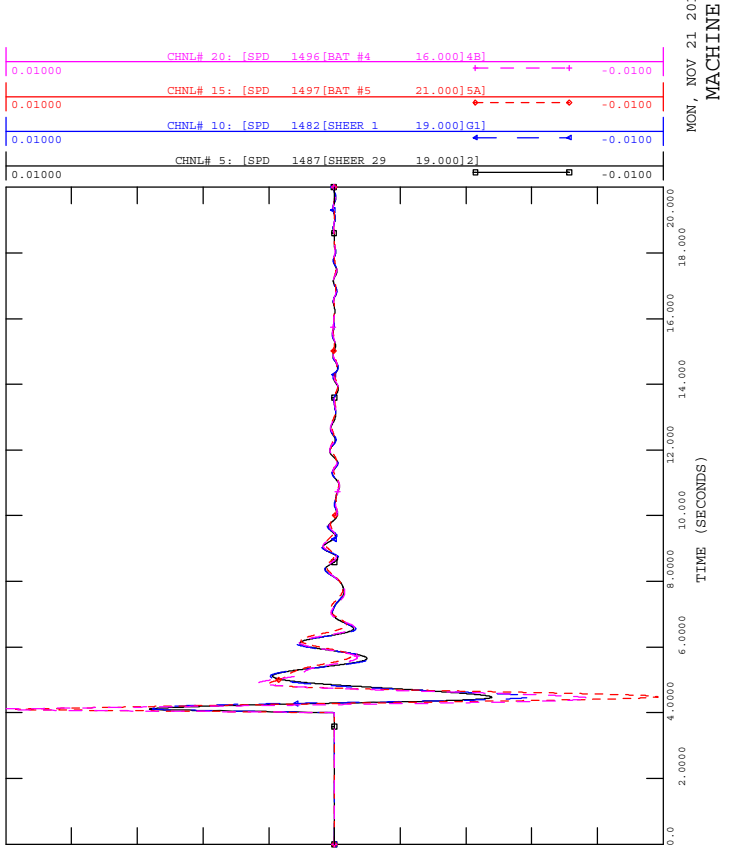


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:38

MACHINE SPEED

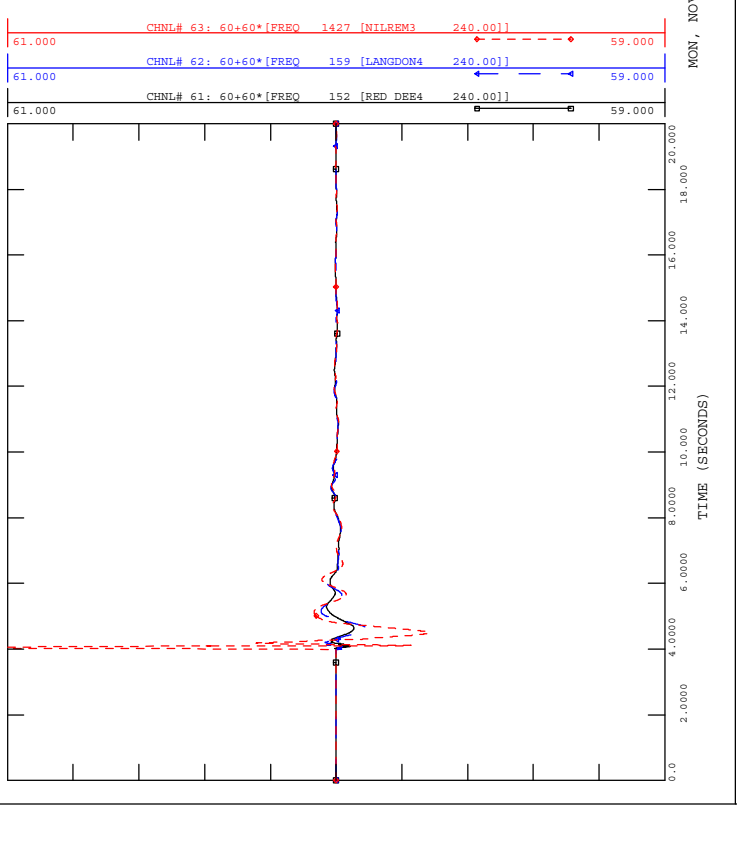


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:38

FREQUENCY

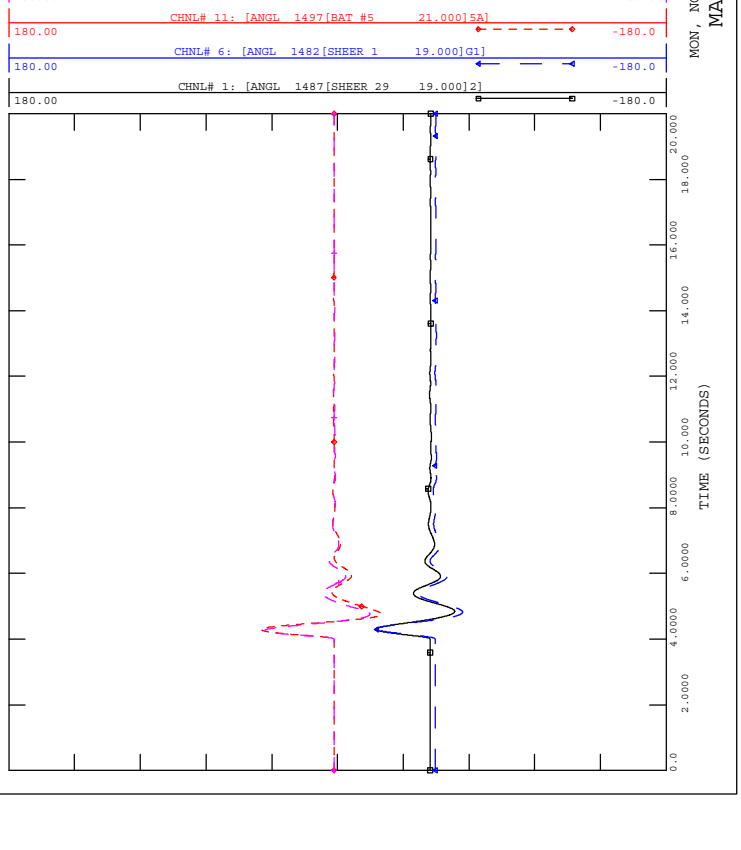


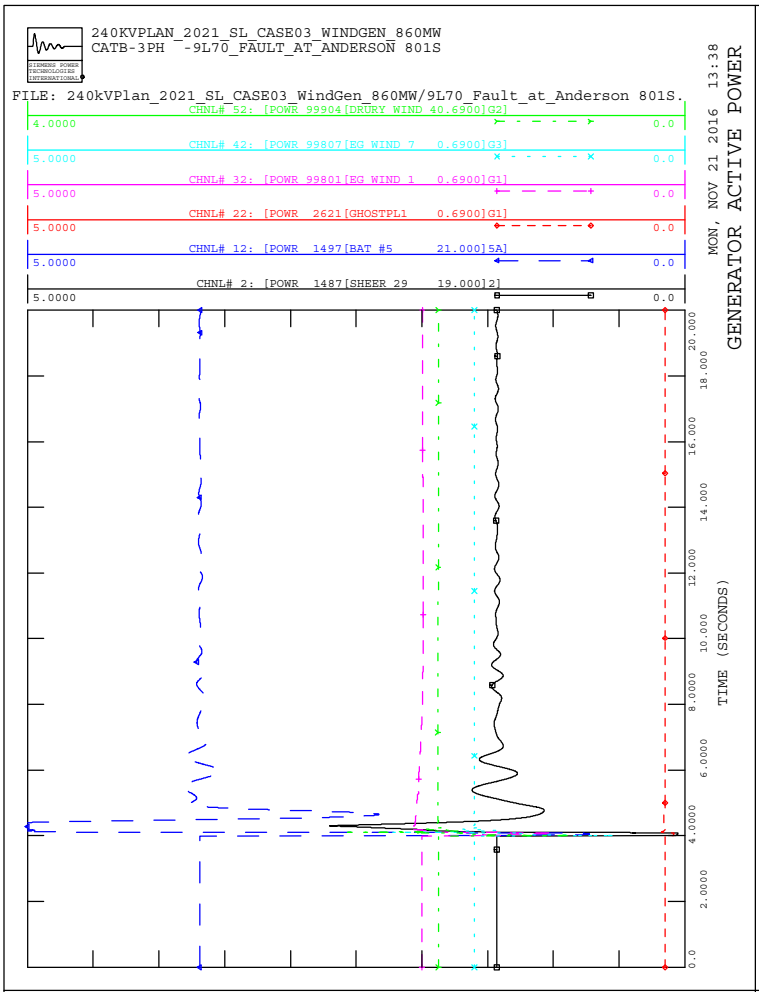
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:38

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.
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CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
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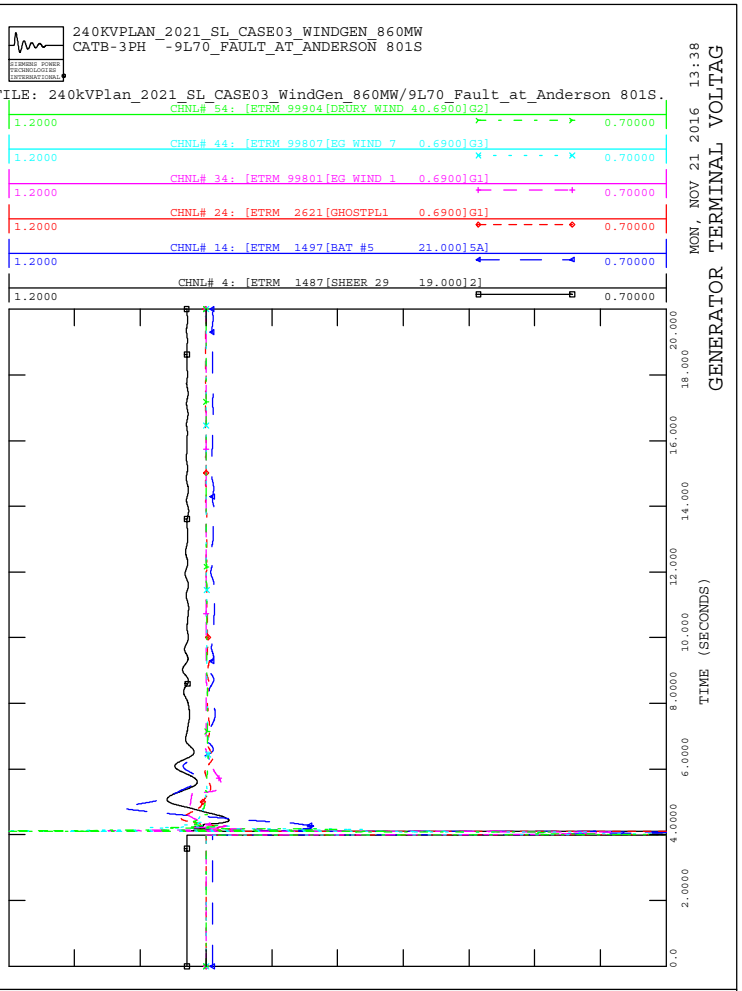
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.
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CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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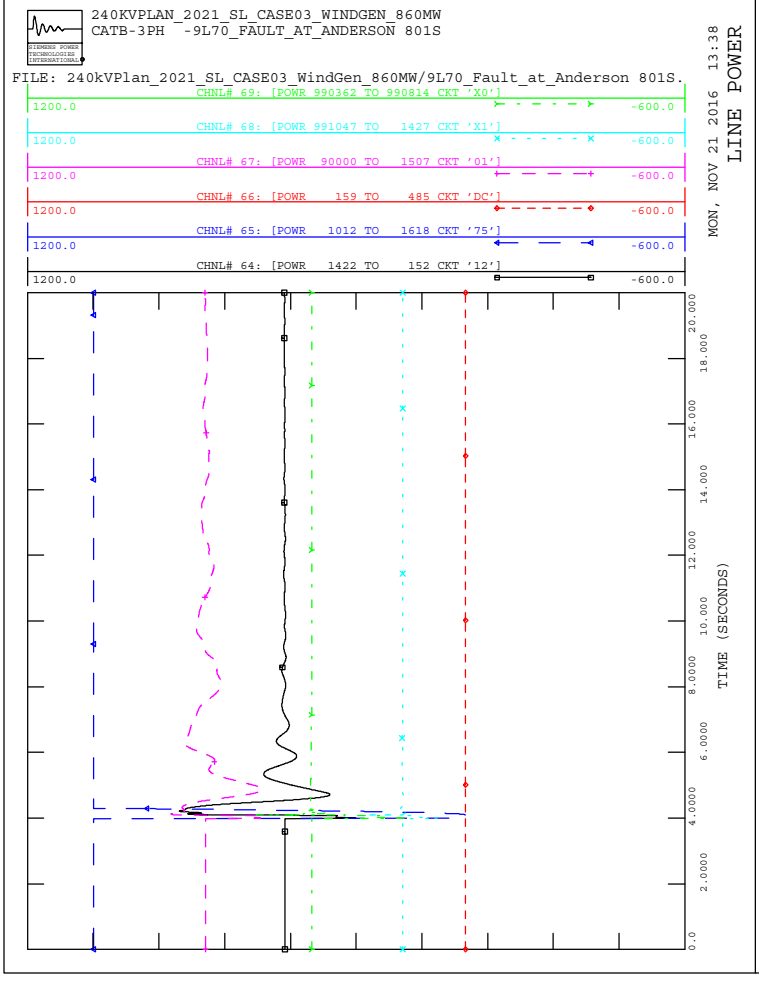
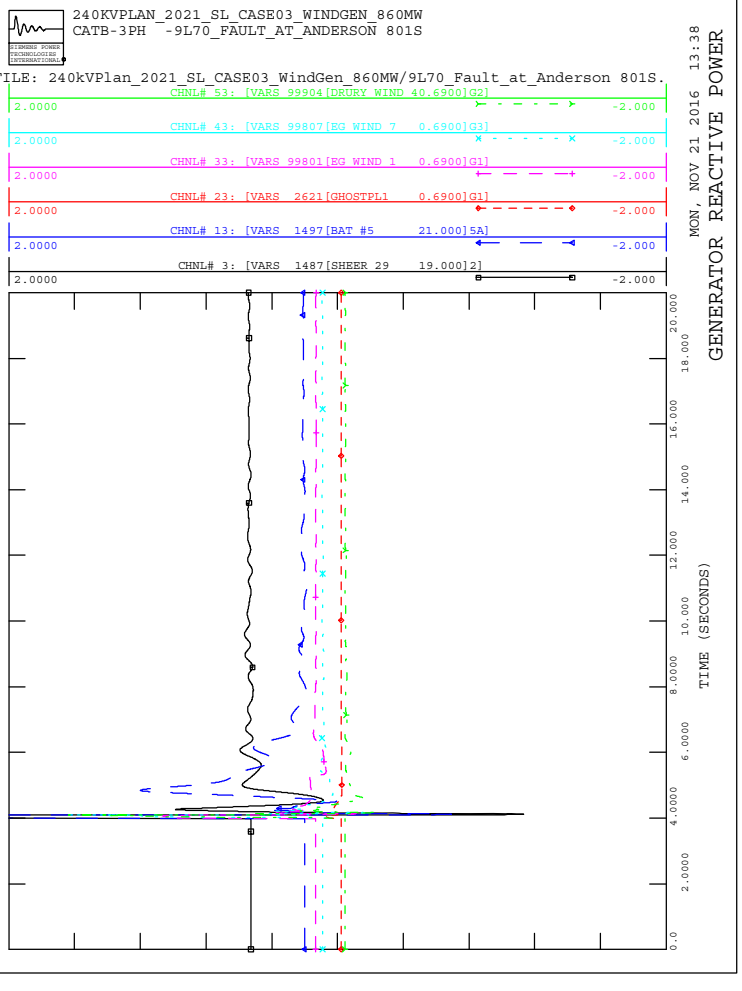
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:38
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)

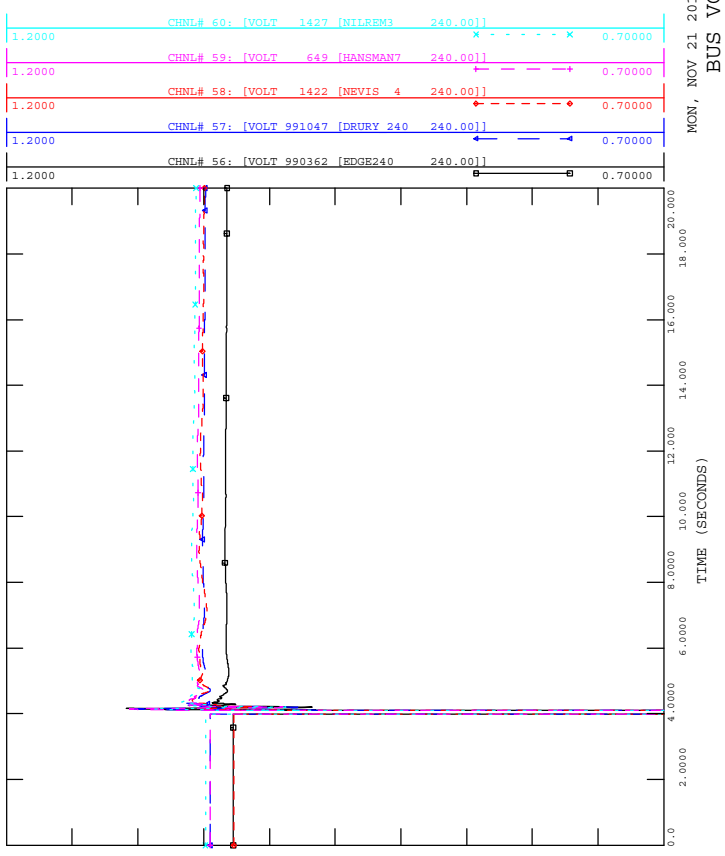

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7

MON, NOV 21 2016 13:38

BUS VOLTAGE

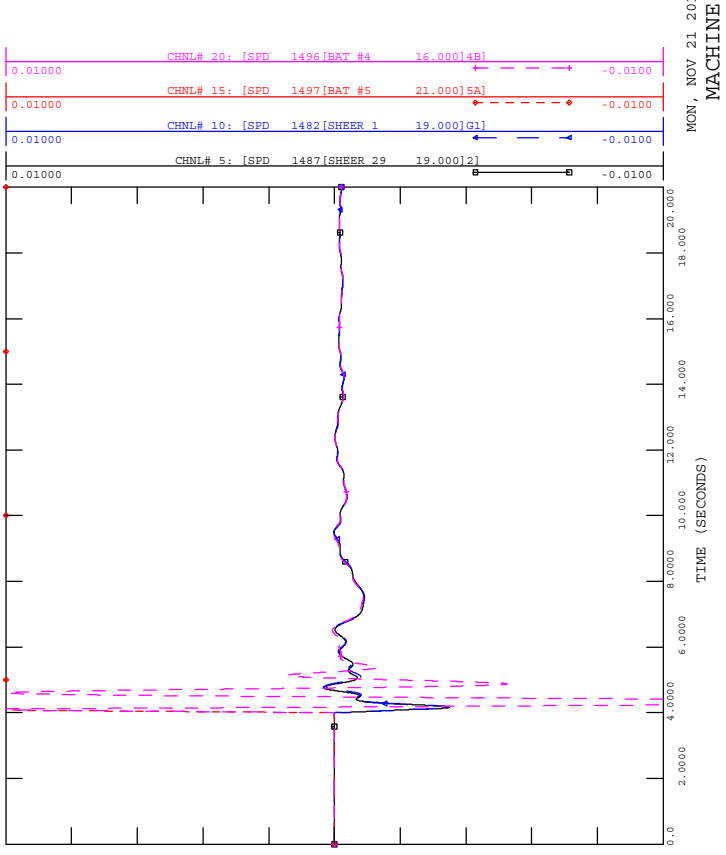


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7

MON, NOV 21 2016 13:38

MACHINE SPEED

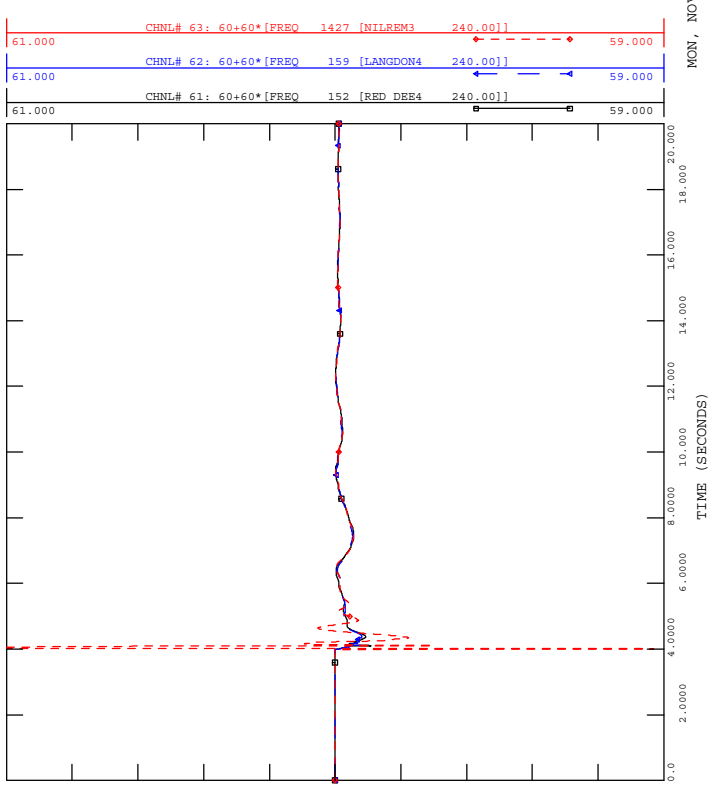


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7

MON, NOV 21 2016 13:38

FREQUENCY

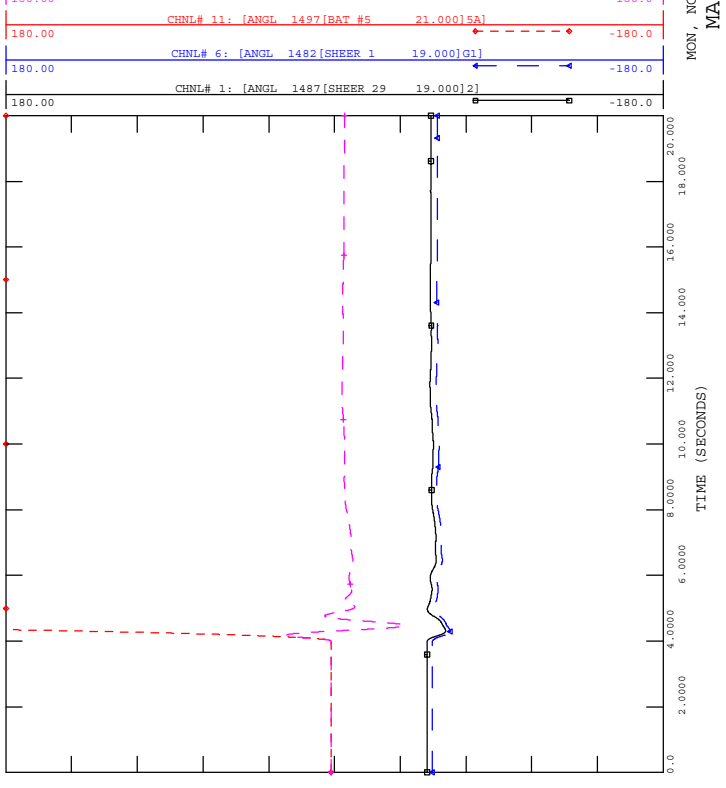


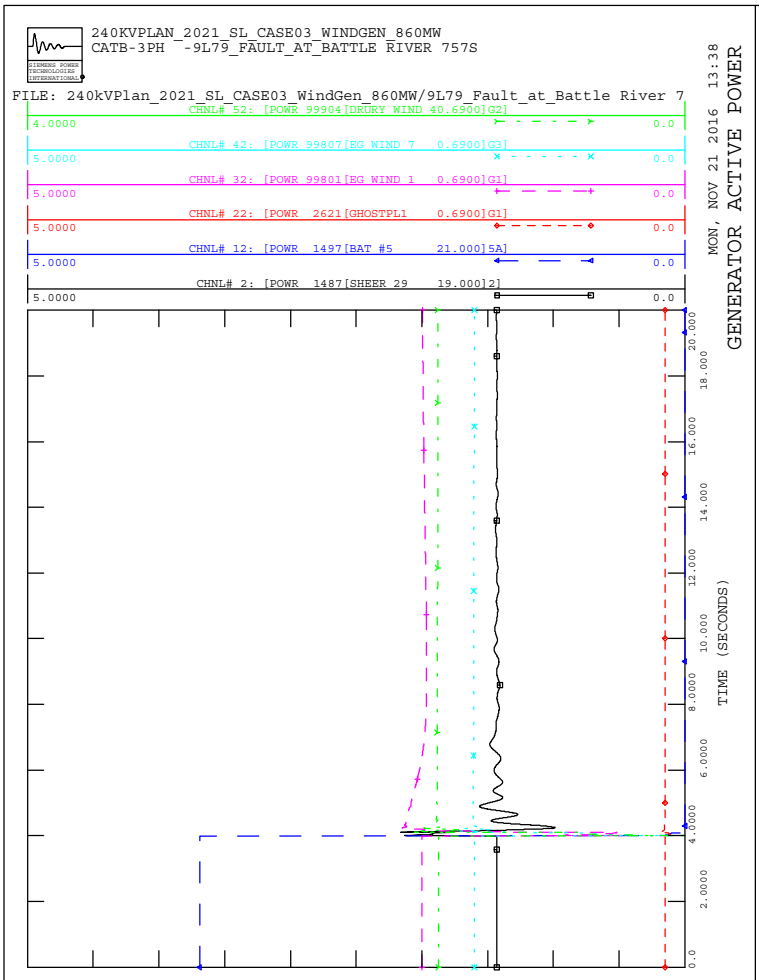
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

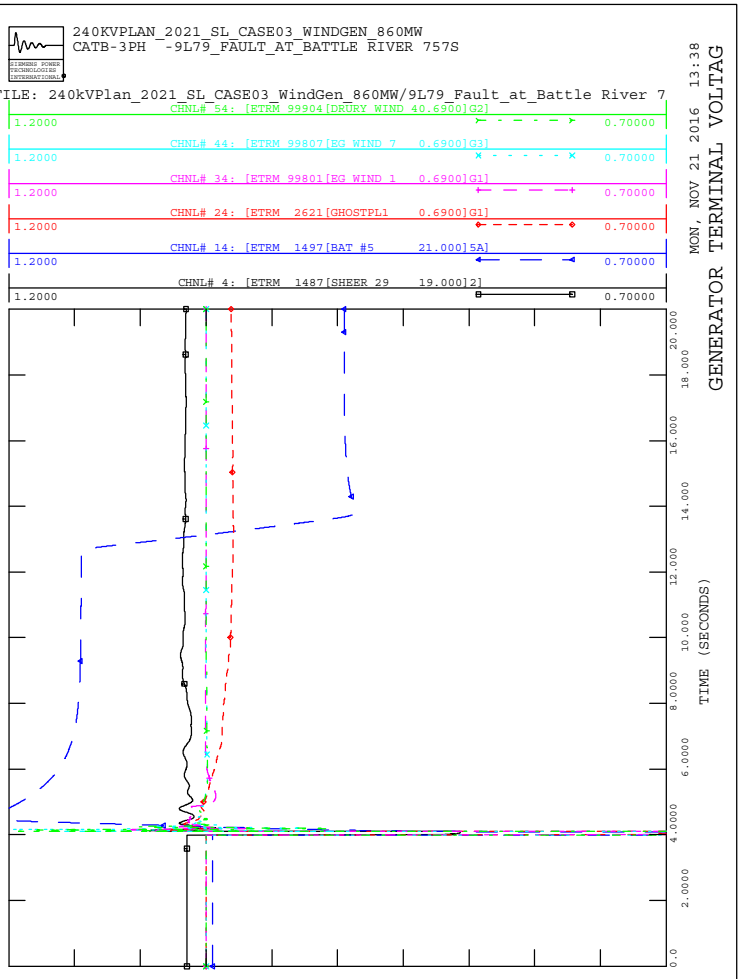
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7

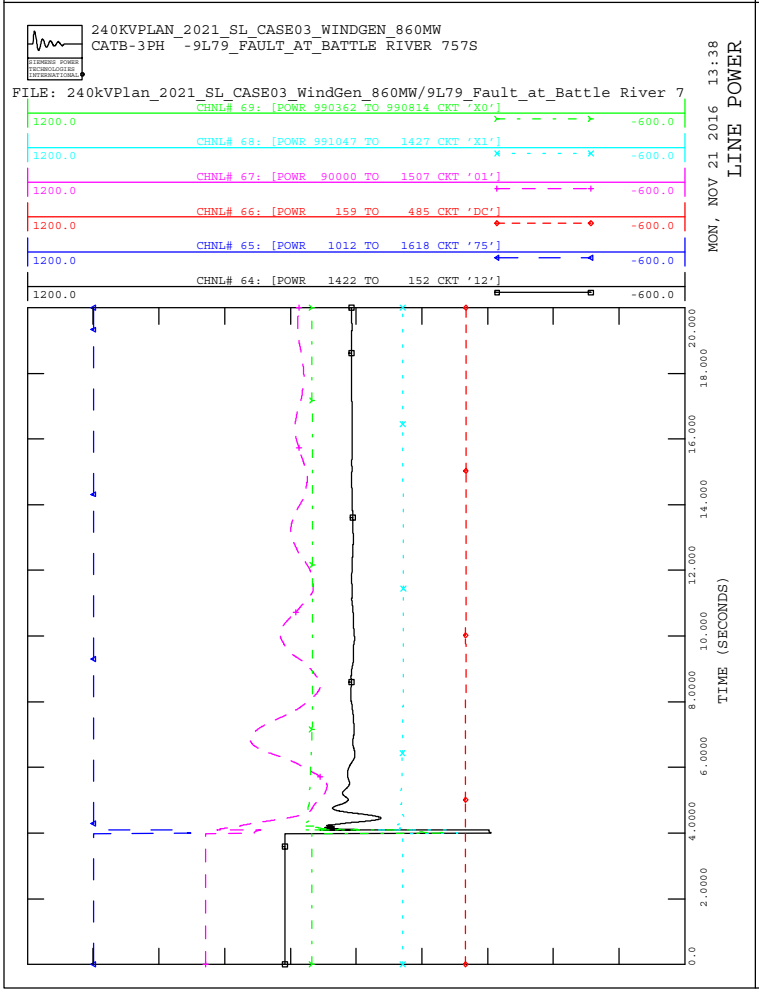
MON, NOV 21 2016 13:38

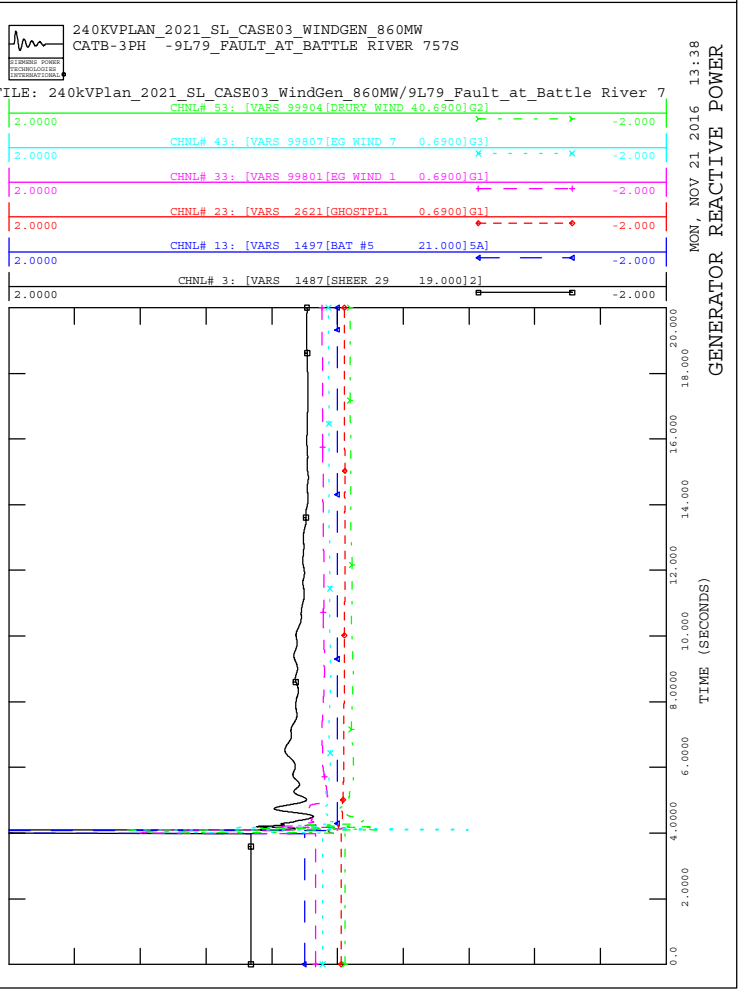
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:38
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:38
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:38
LINE POWER
TIME (SECONDS)

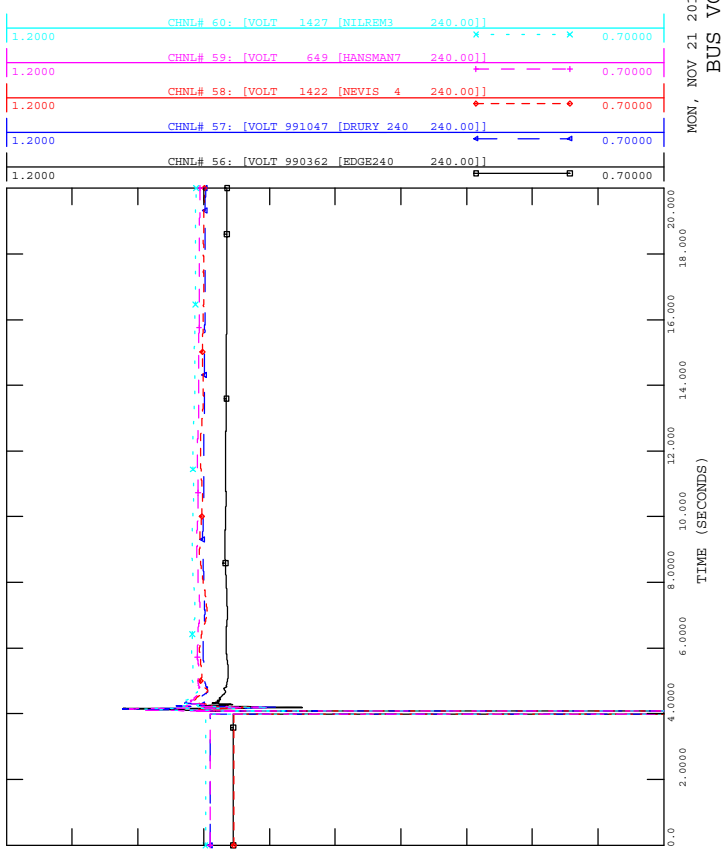

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:38
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:38

BUS VOLTAGE

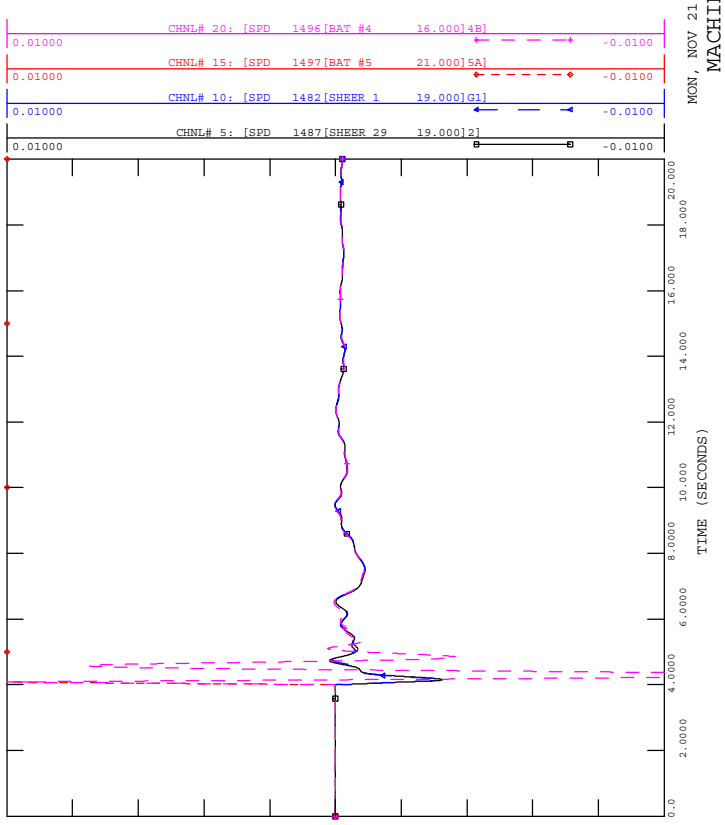


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:38

MACHINE SPEED

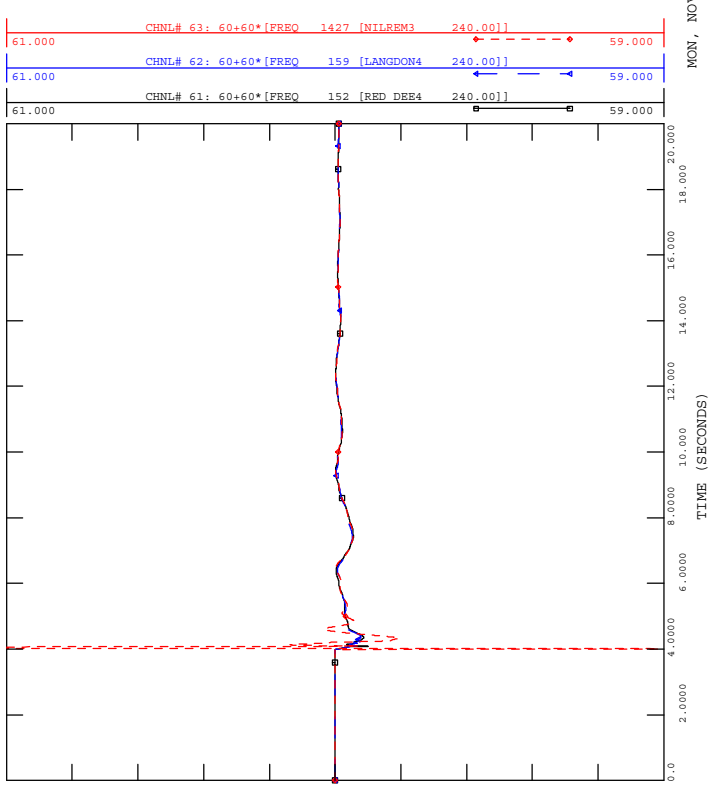


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:38

FREQUENCY

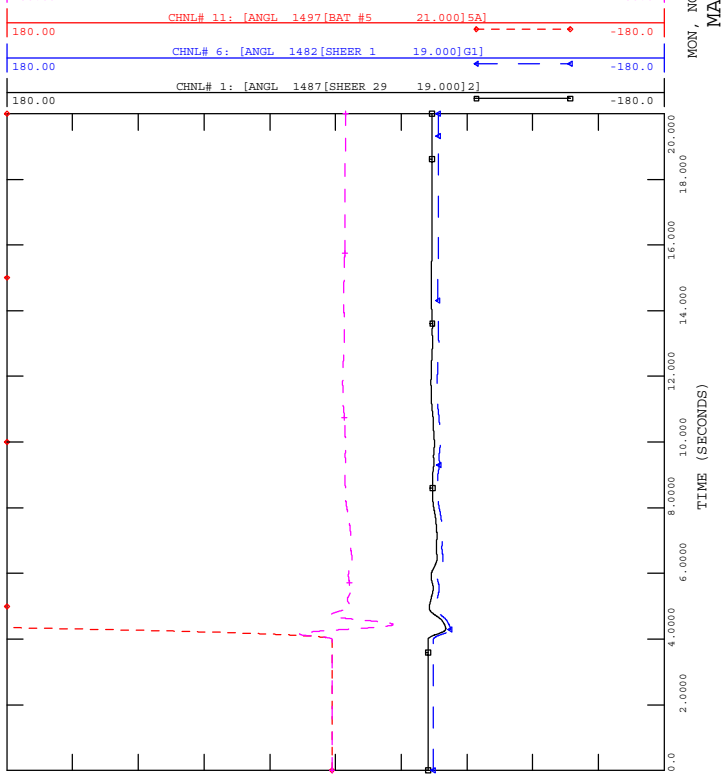


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

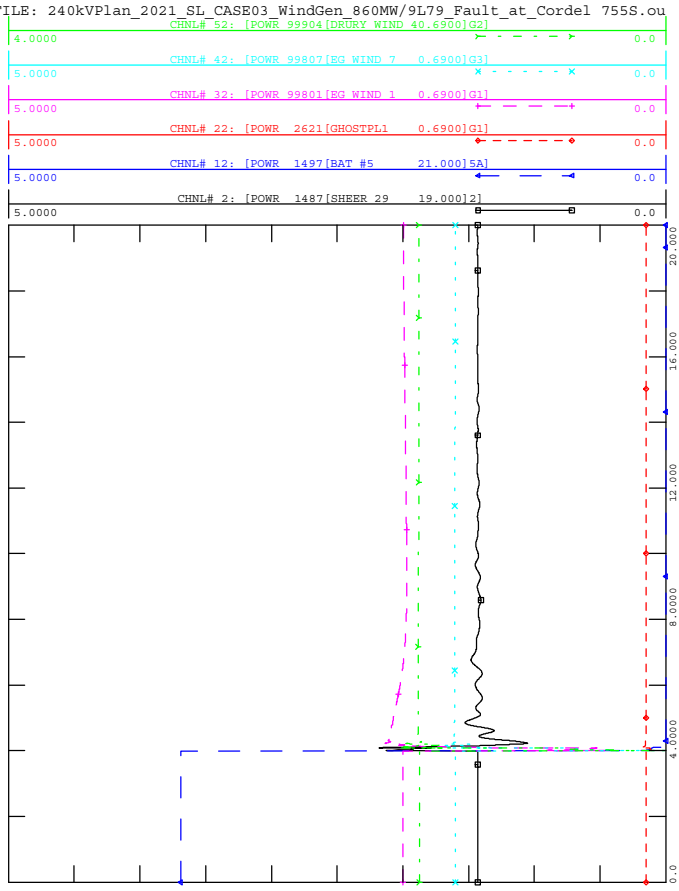
MON, NOV 21 2016 13:38

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

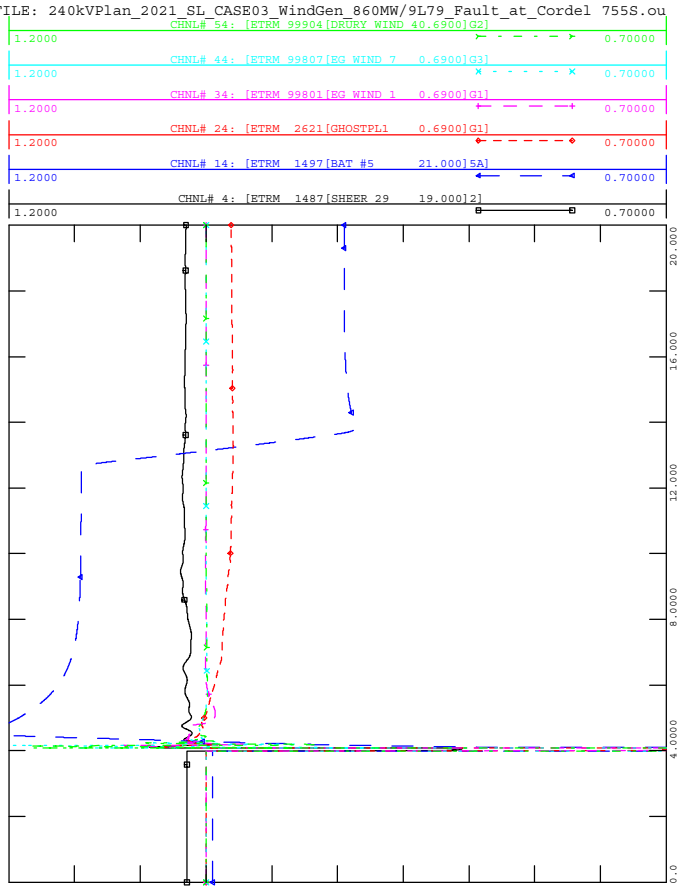
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou



GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:38

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

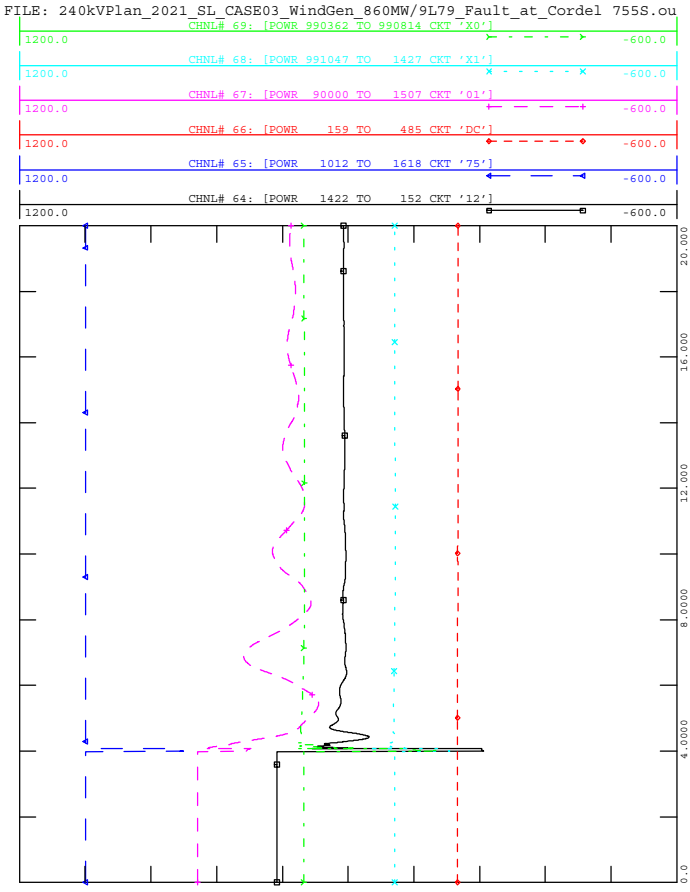
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:38

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

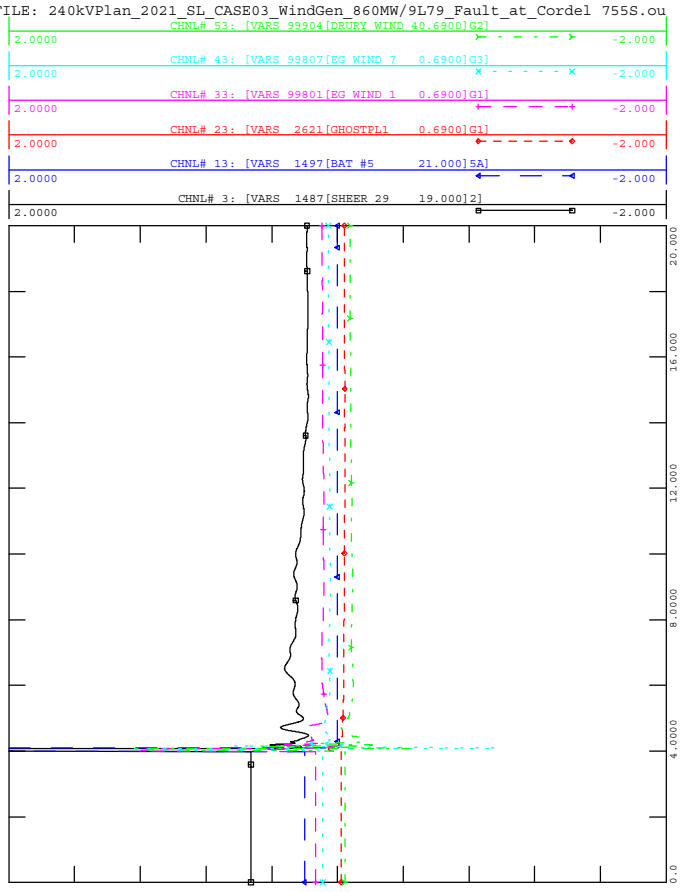
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou



LINE POWER
MON, NOV 21 2016 13:38

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou



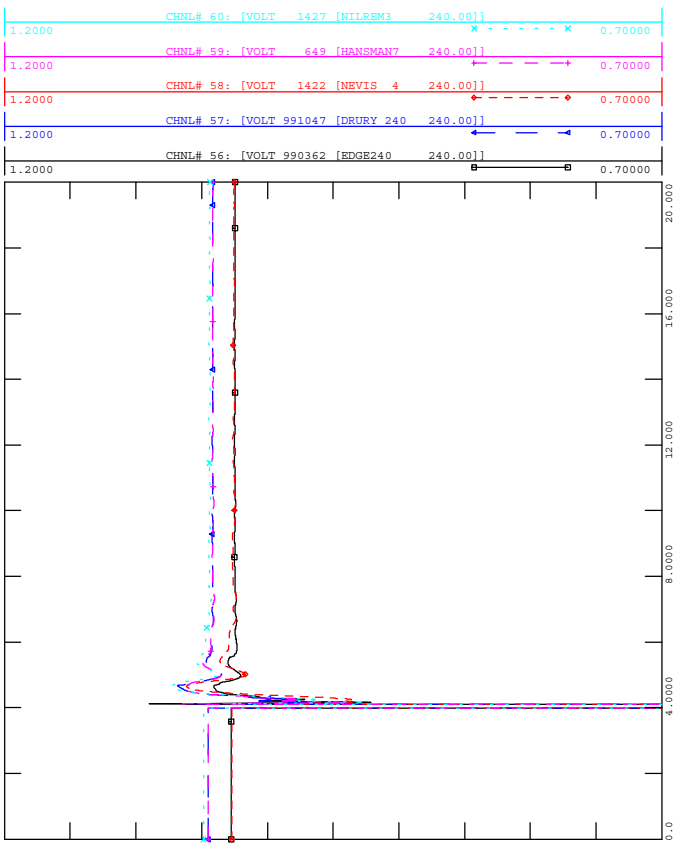
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:38

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 13:38

BUS VOLTAGE

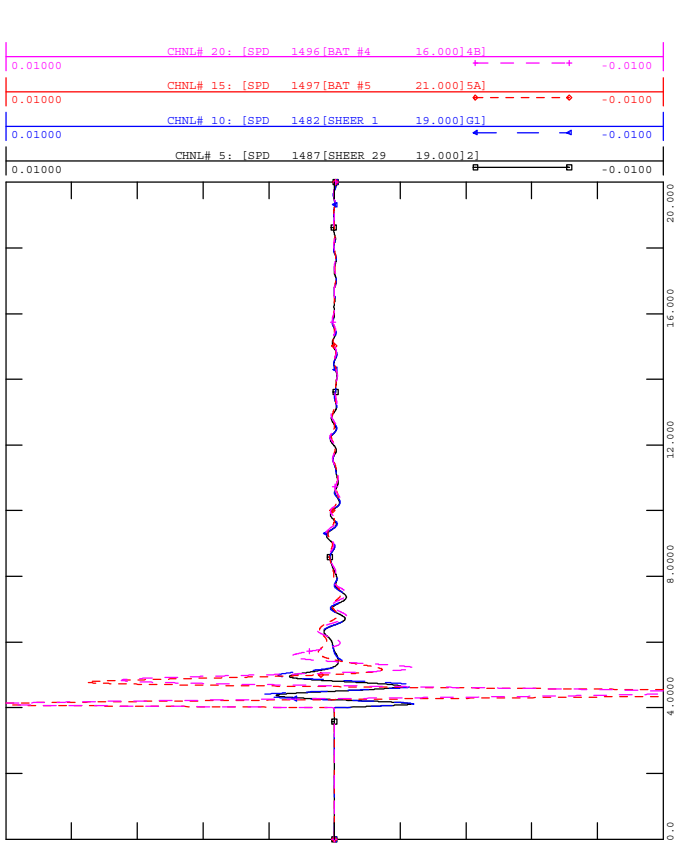


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 13:38

MACHINE SPEED



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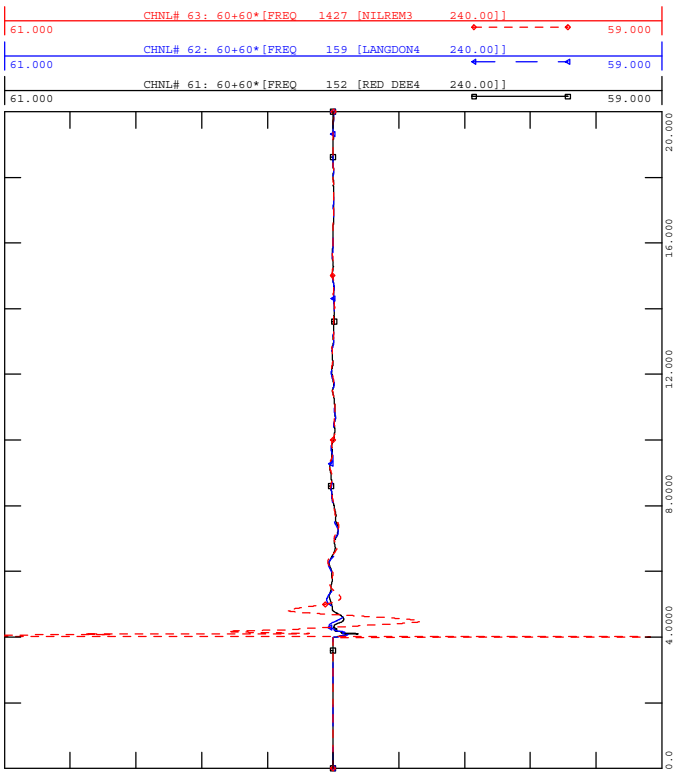
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 13:38

FREQUENCY

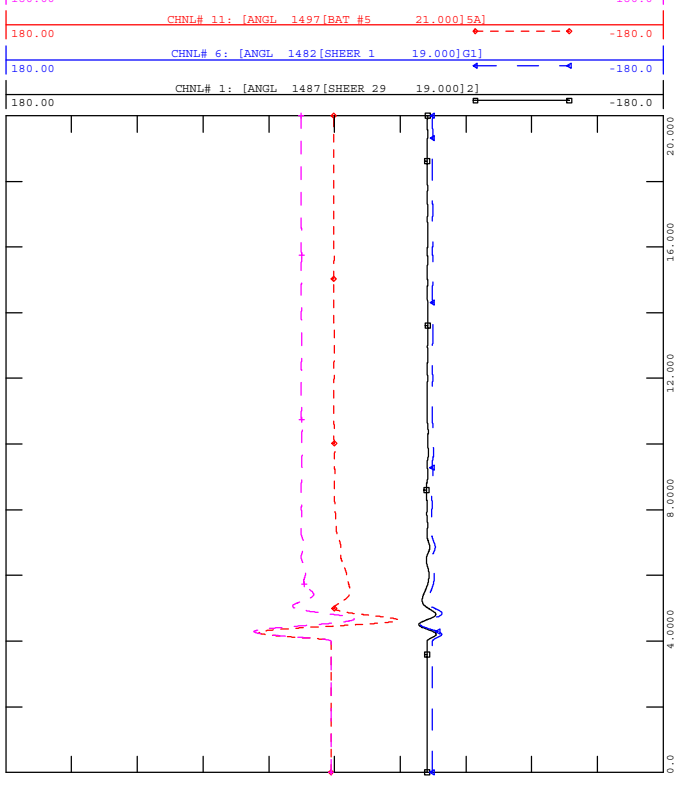


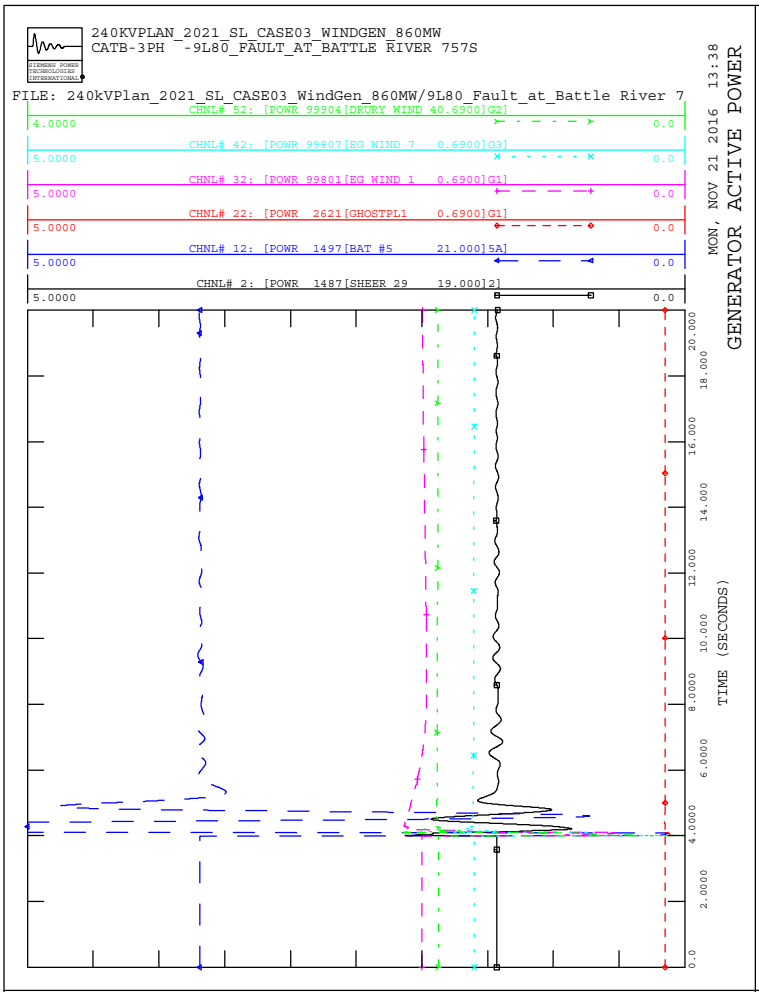
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

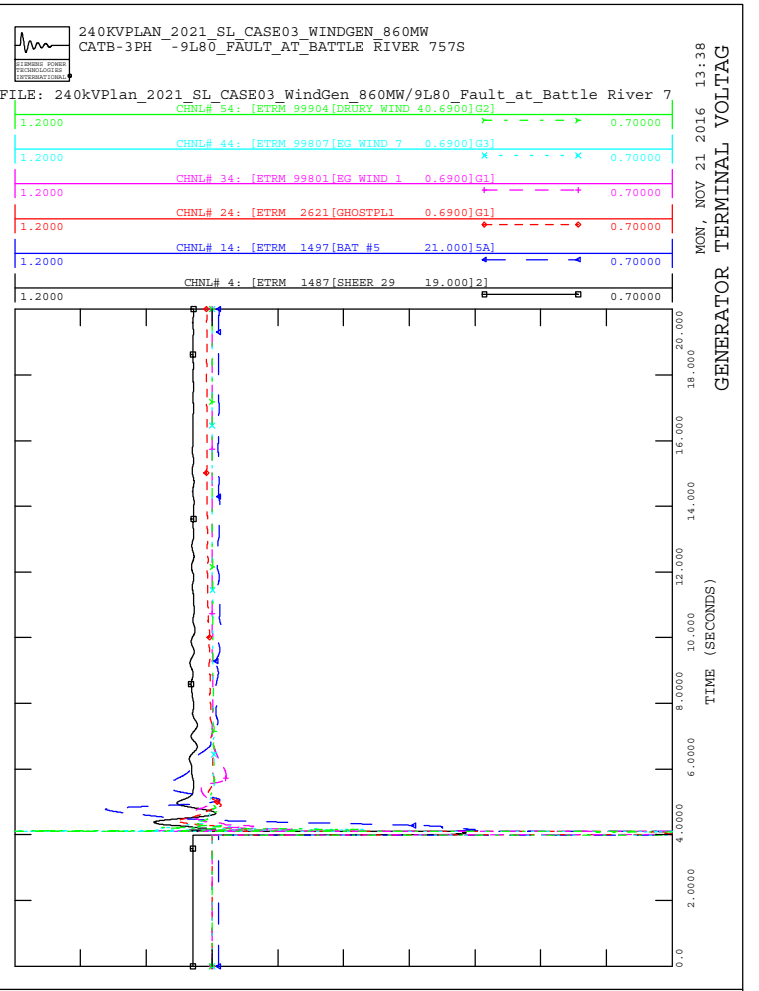
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 13:38

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:38
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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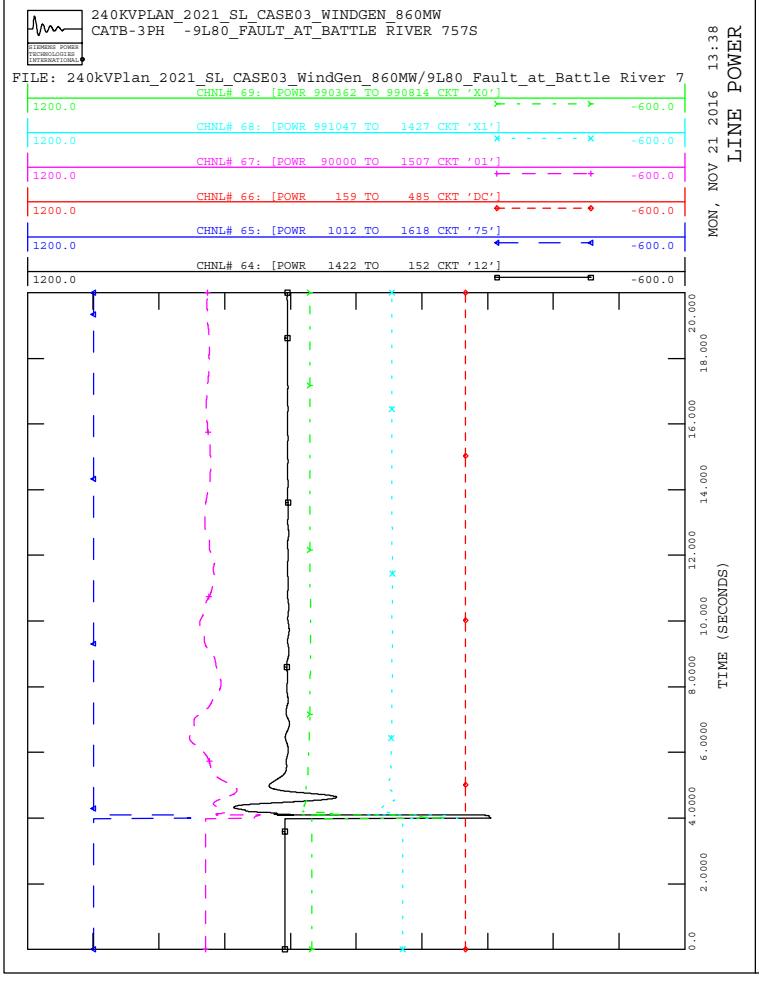
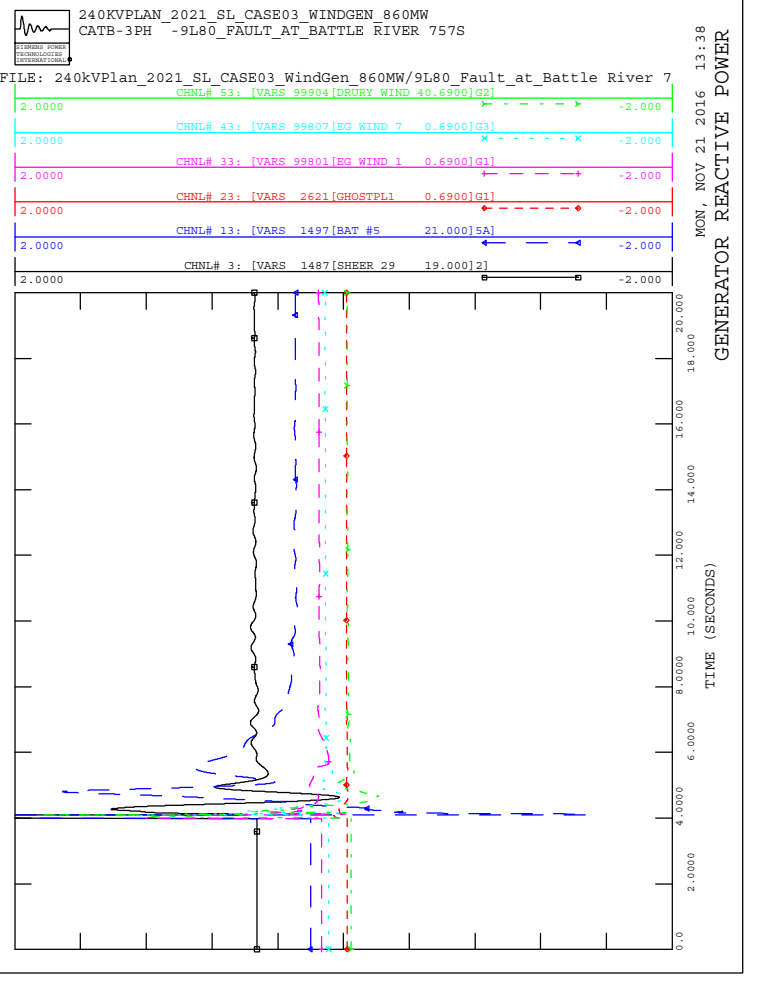
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:38
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:38
LINE POWER
TIME (SECONDS)

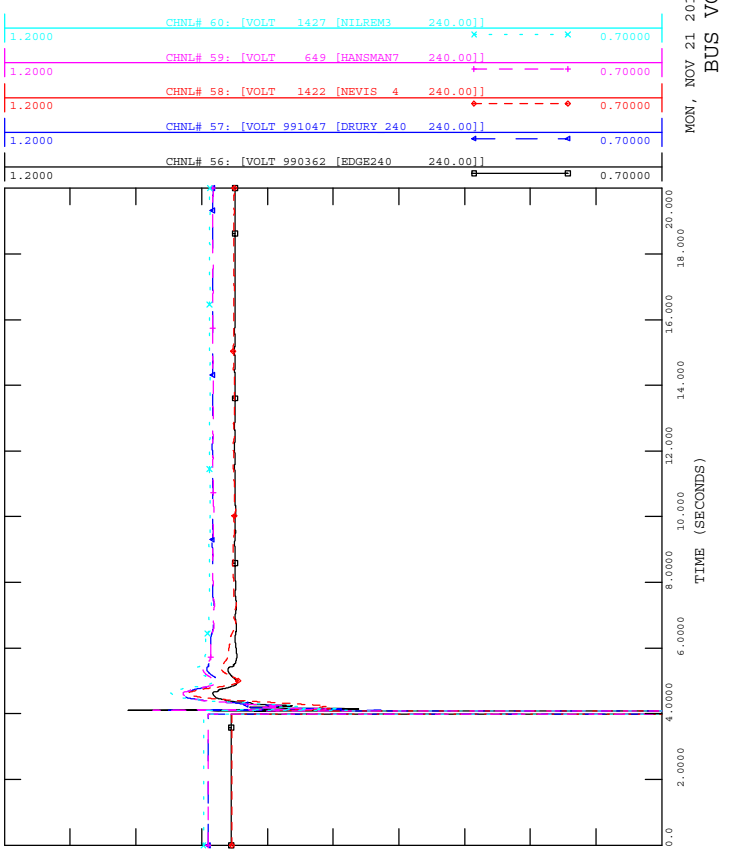

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:38
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:38

BUS VOLTAGE

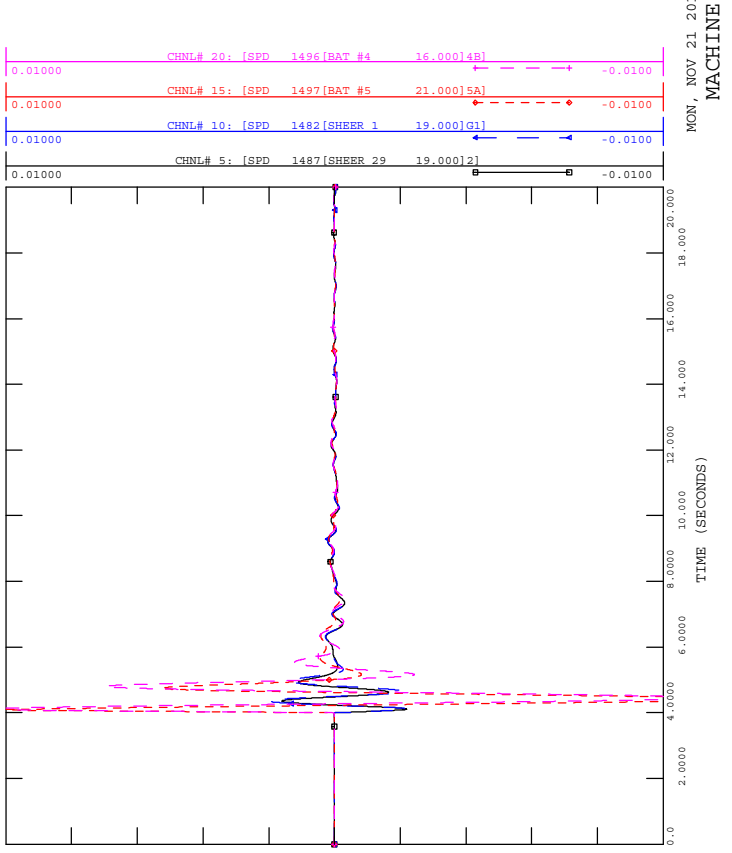


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:38

MACHINE SPEED

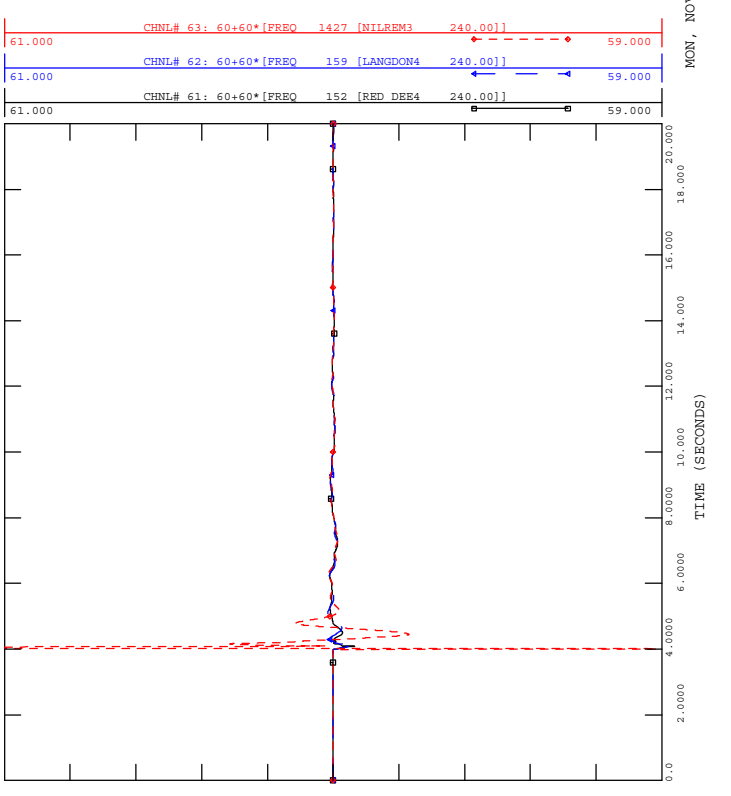


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:38

FREQUENCY

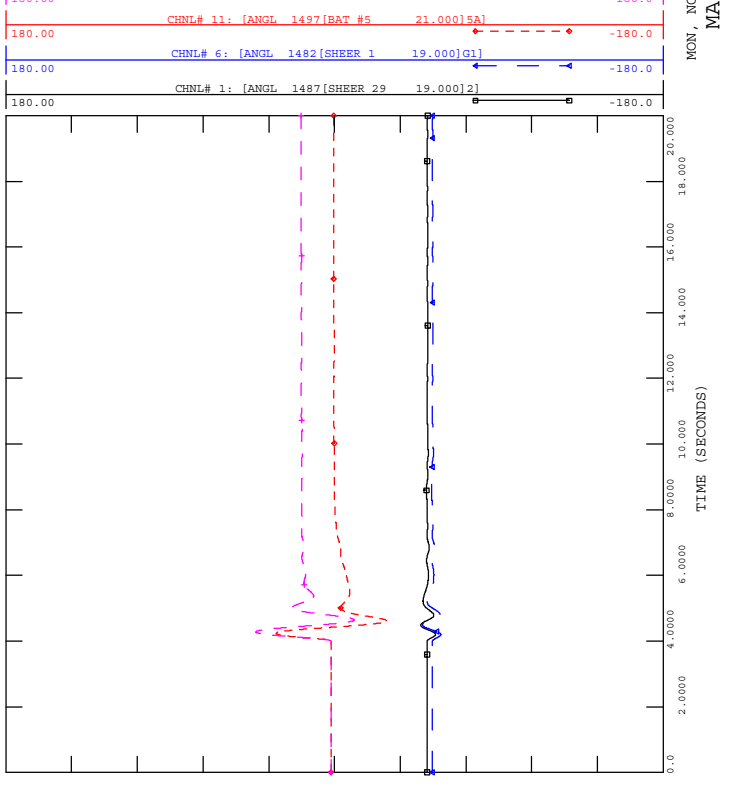


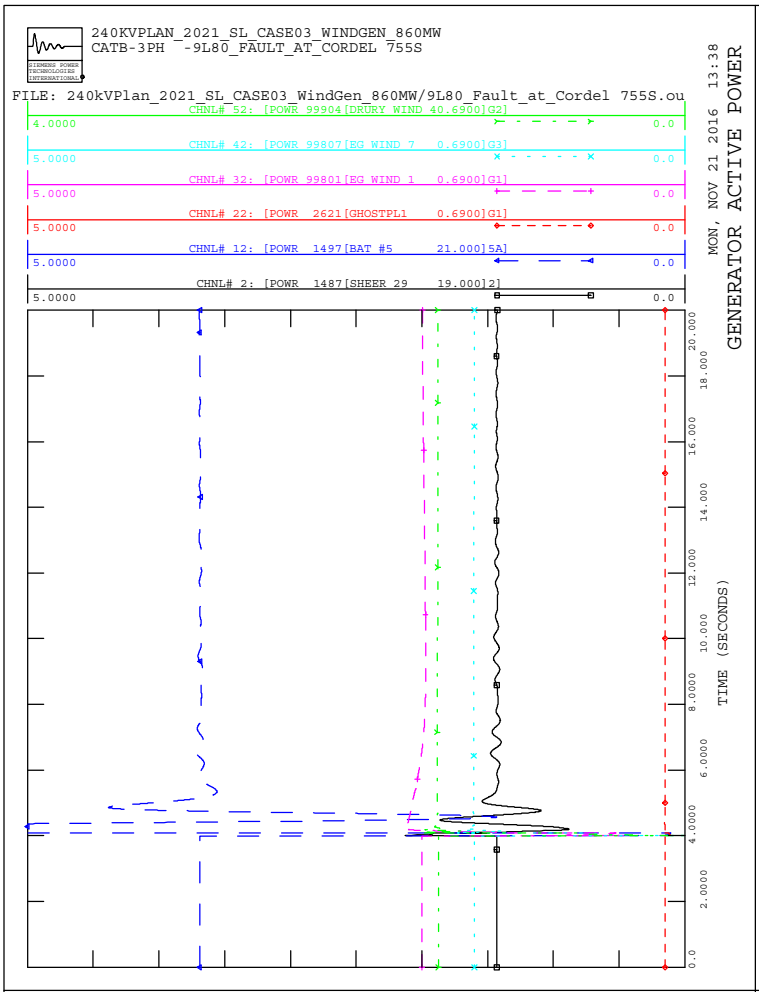
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

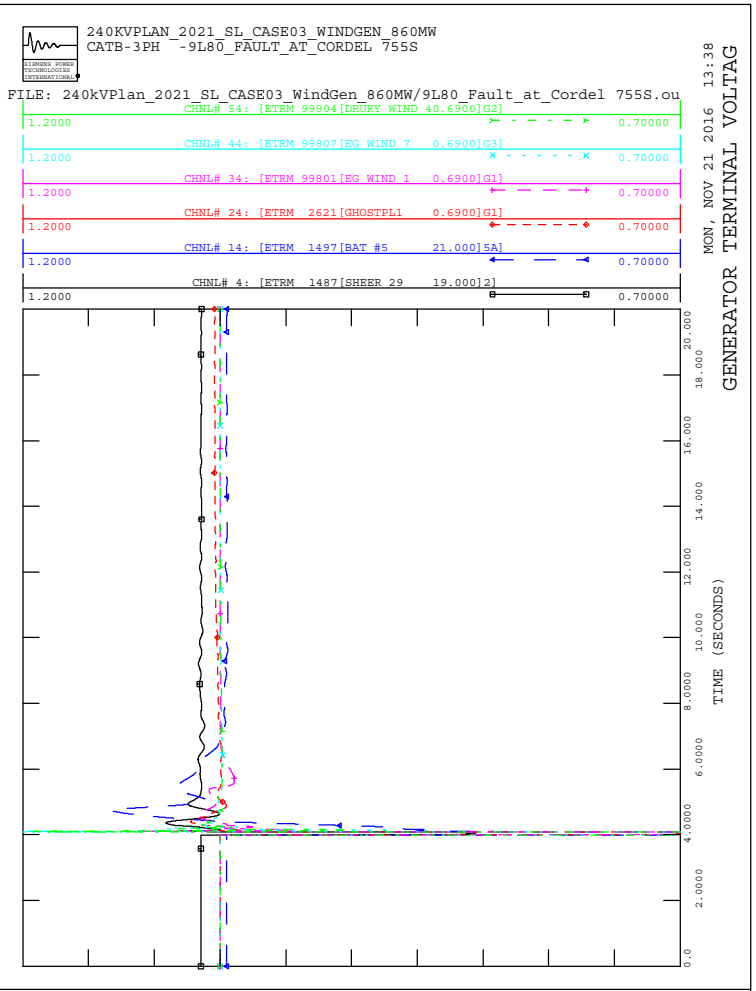
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

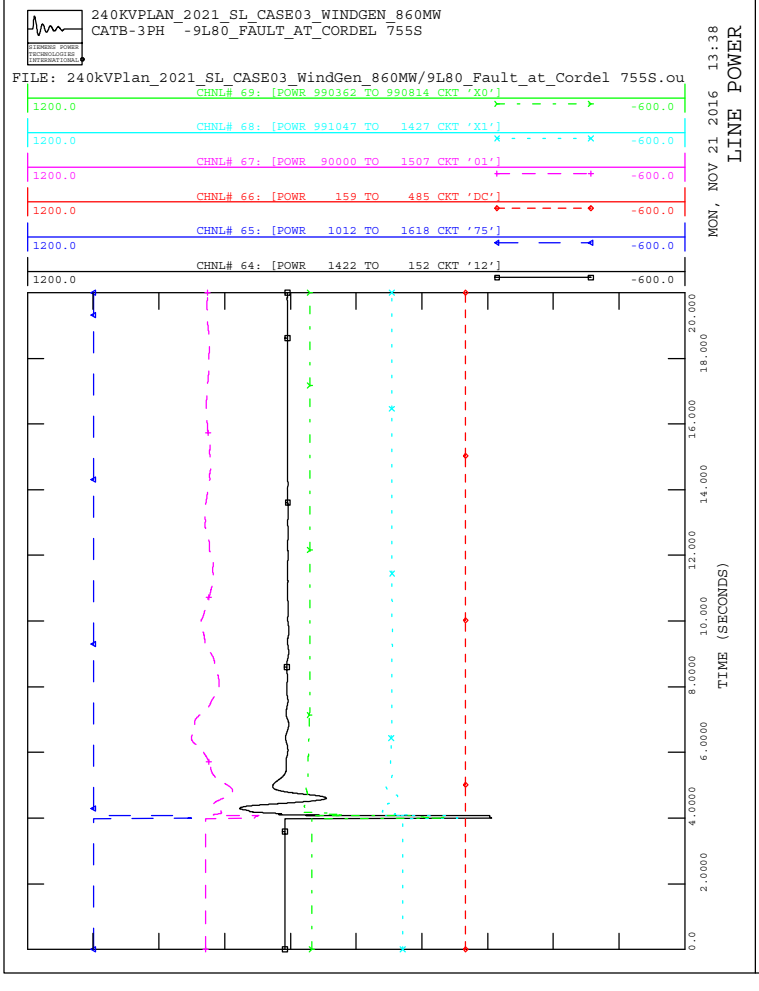
MON, NOV 21 2016 13:38

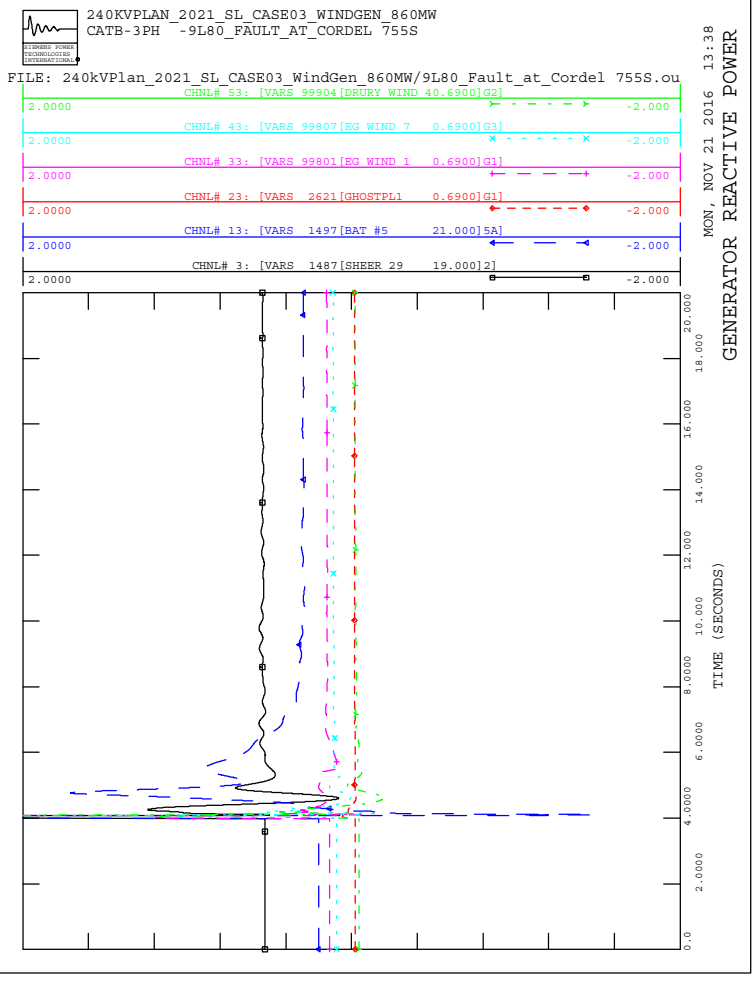
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:38
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)

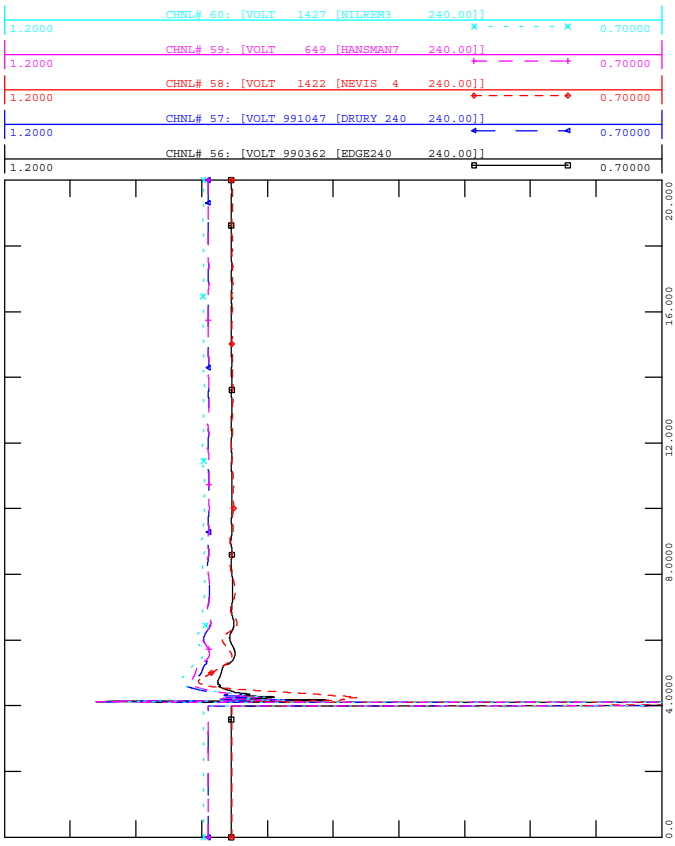

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:38

BUS VOLTAGE

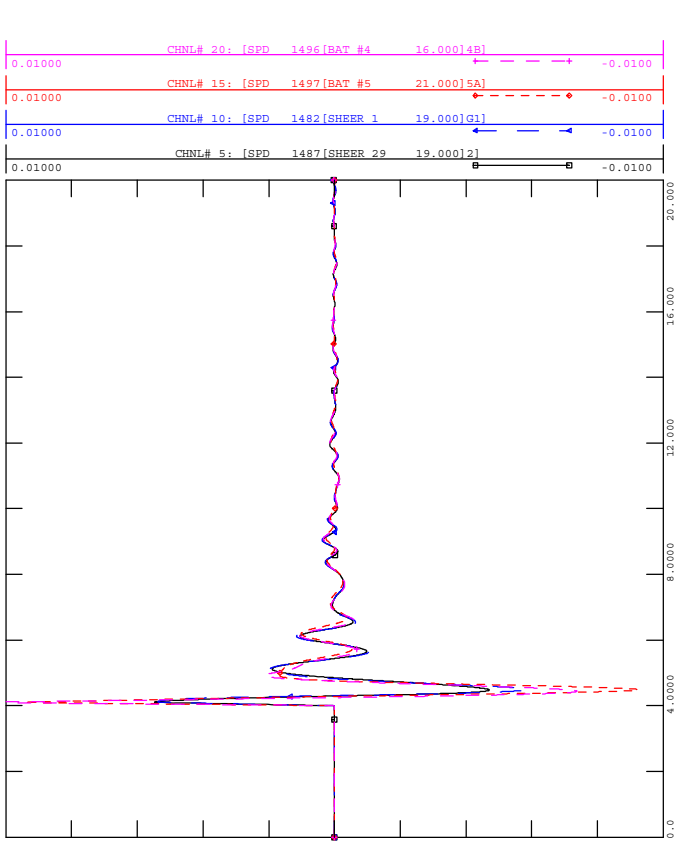


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:38

MACHINE SPEED

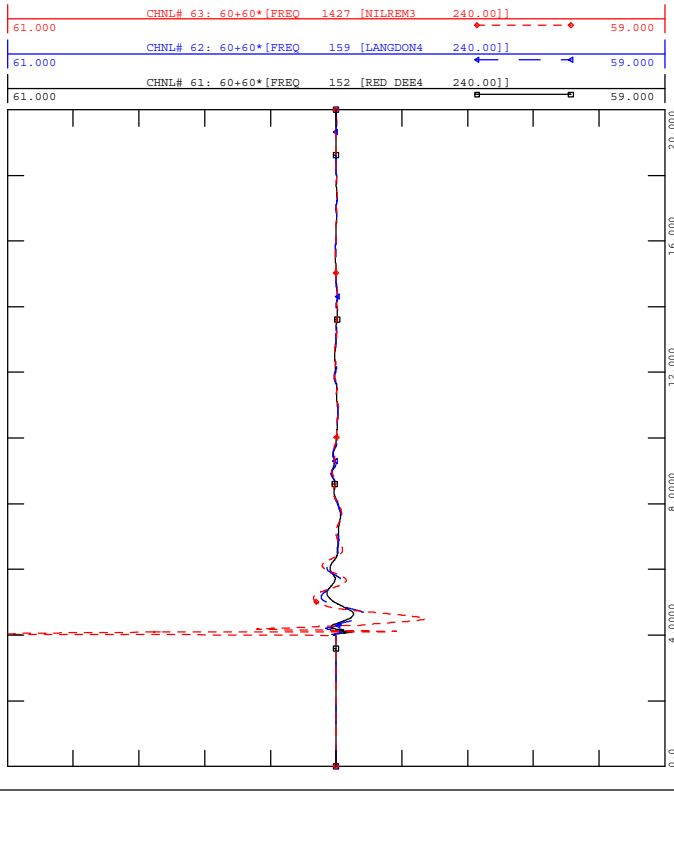


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:38

FREQUENCY

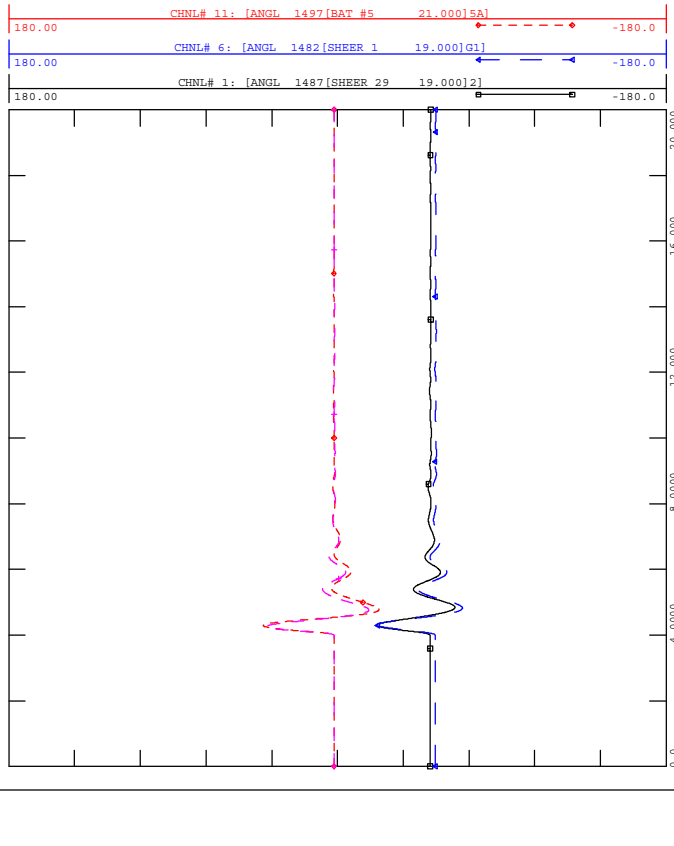


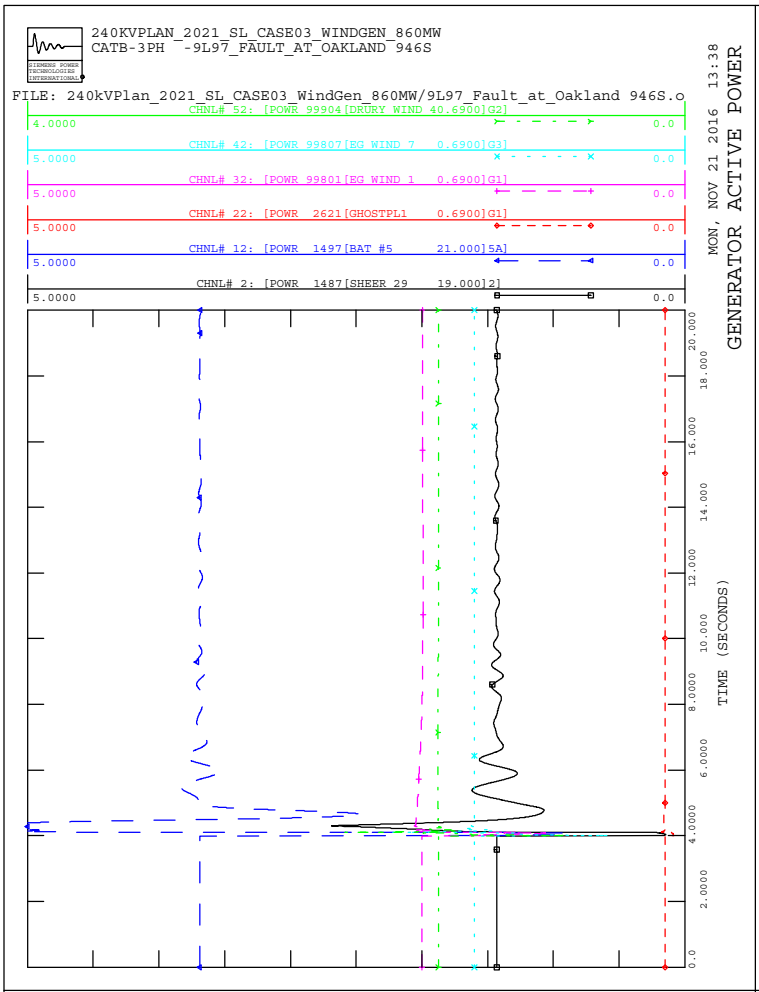
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

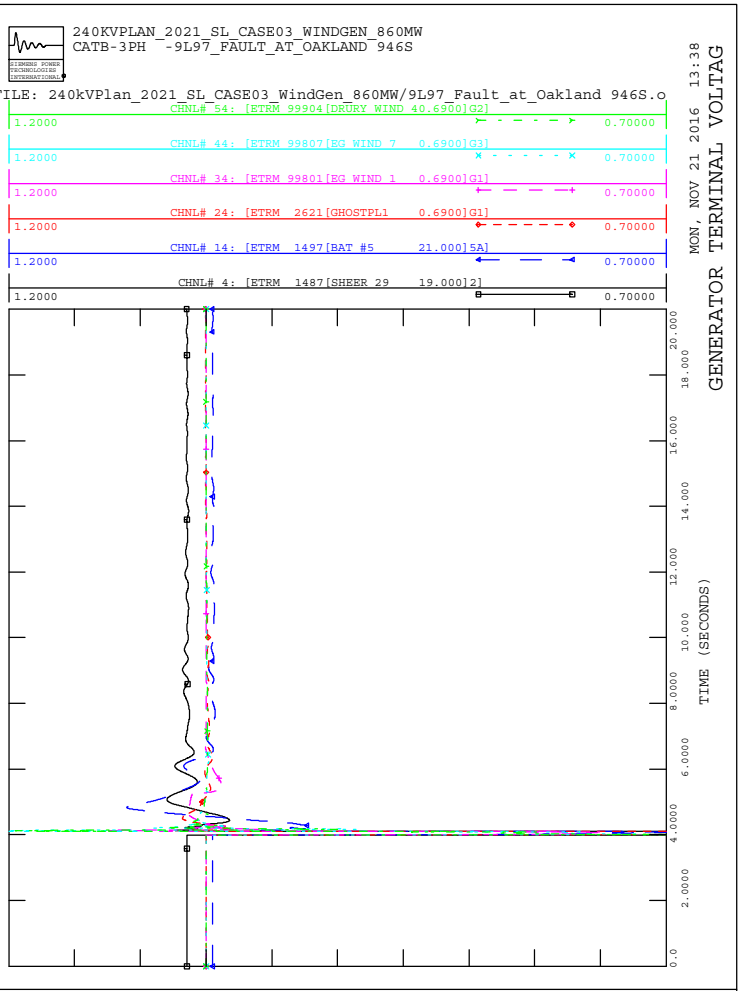
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

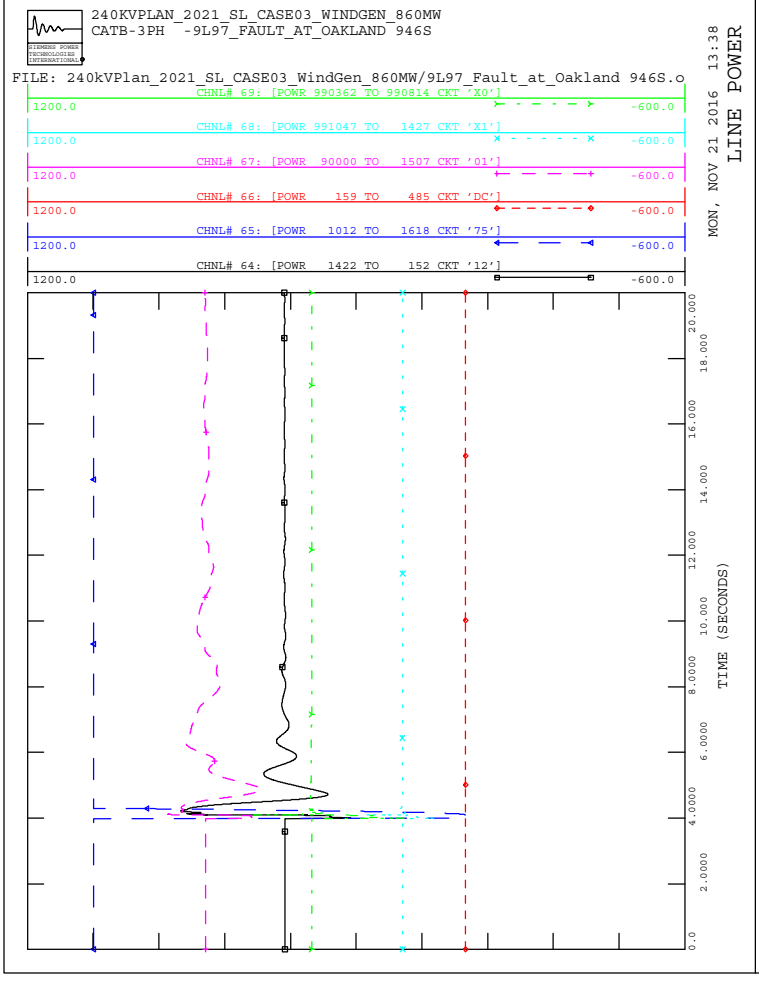
MON, NOV 21 2016 13:38

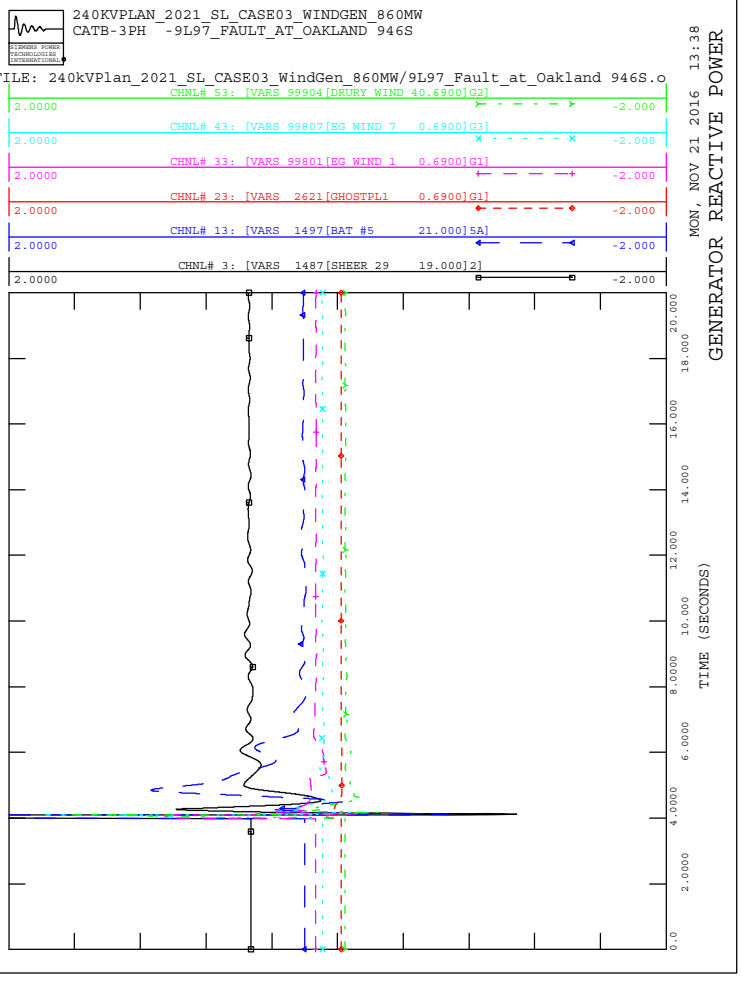
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:38
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)

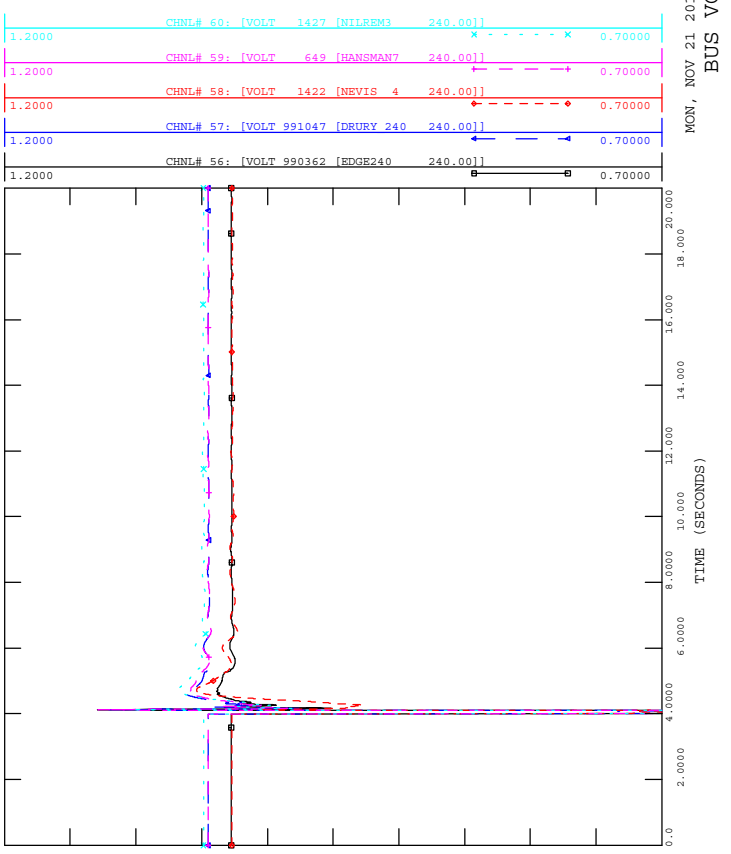

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:38

BUS VOLTAGE

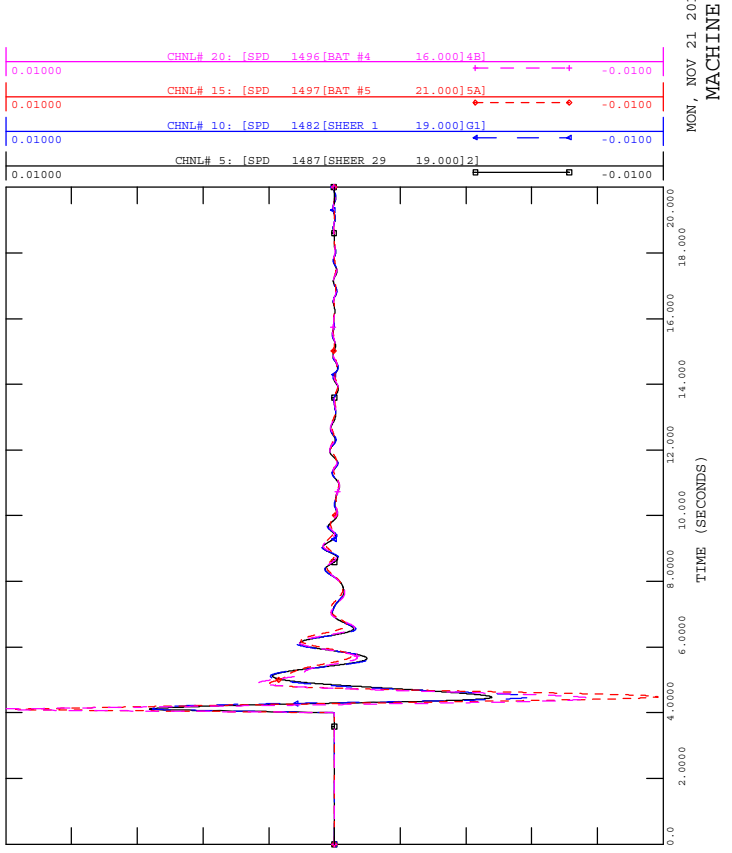


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:38

MACHINE SPEED

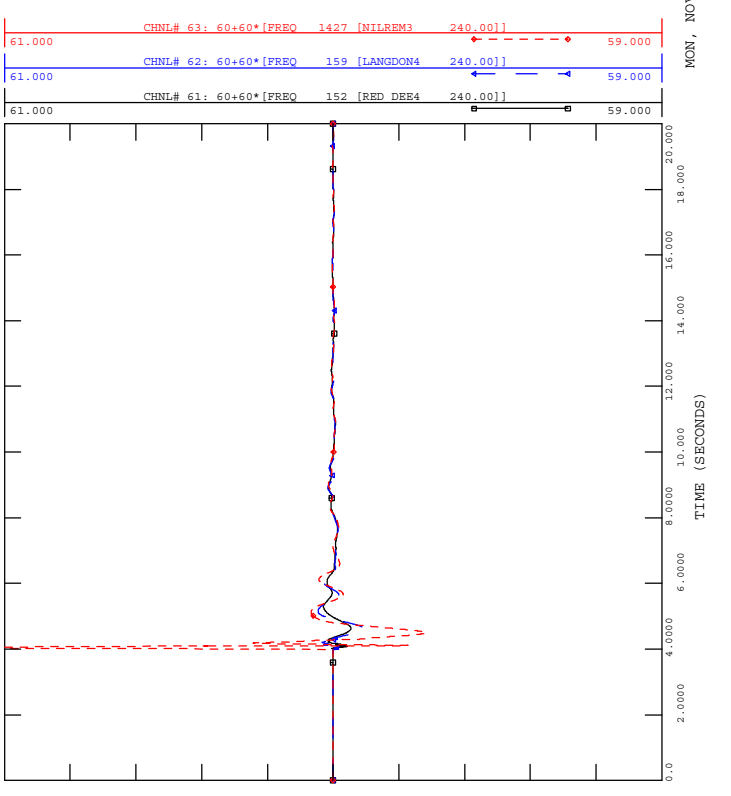


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:38

FREQUENCY

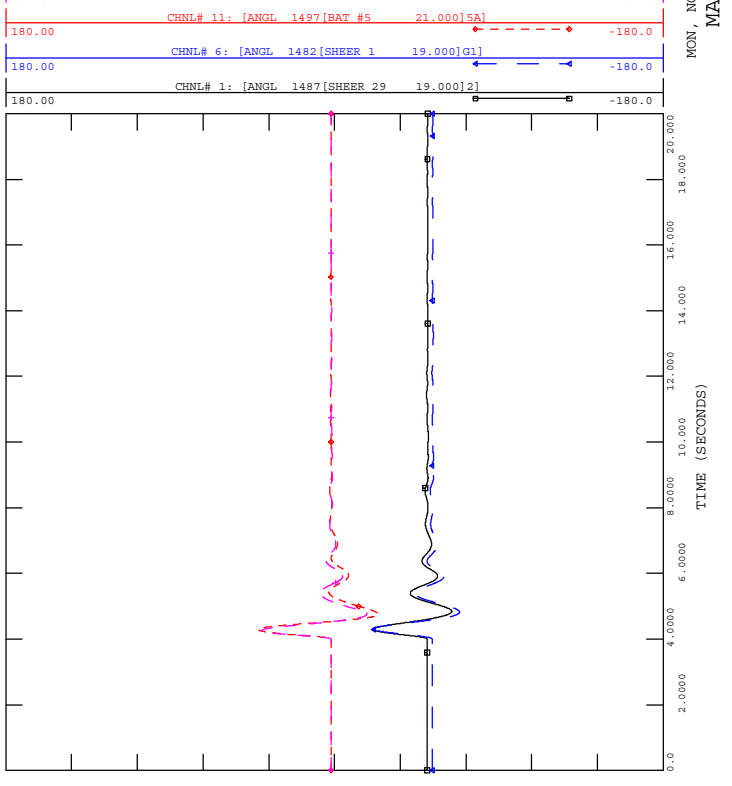


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.

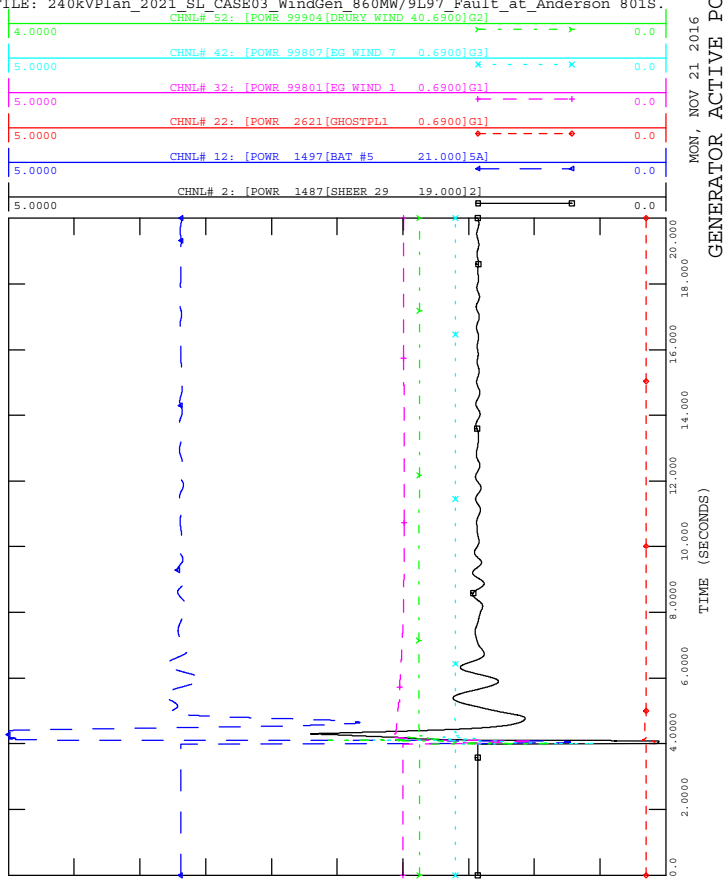
MON, NOV 21 2016 13:38

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.

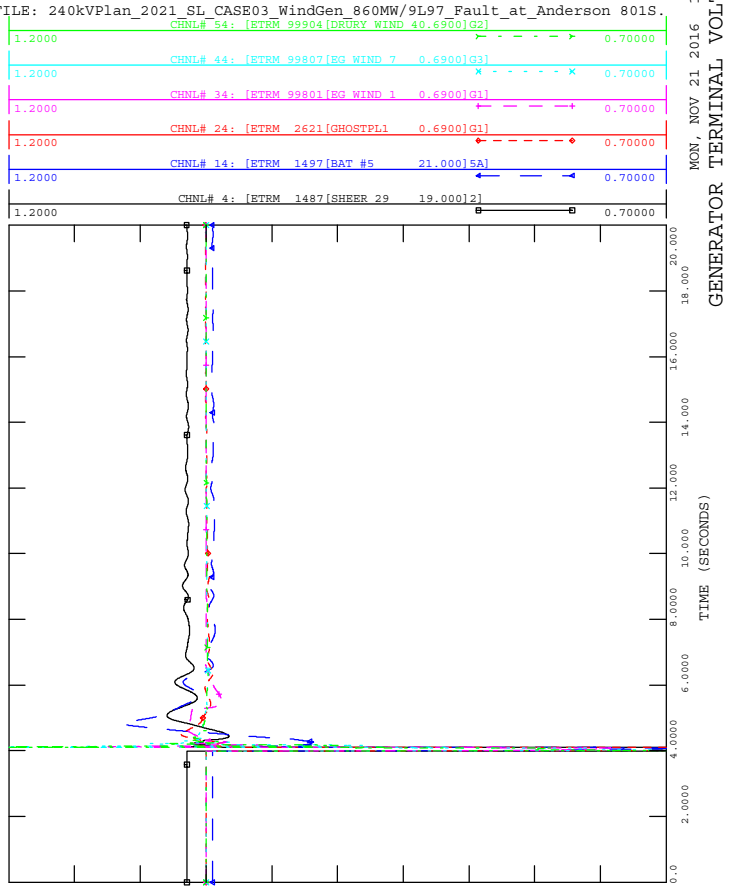


MON, NOV 21 2016 13:38

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.

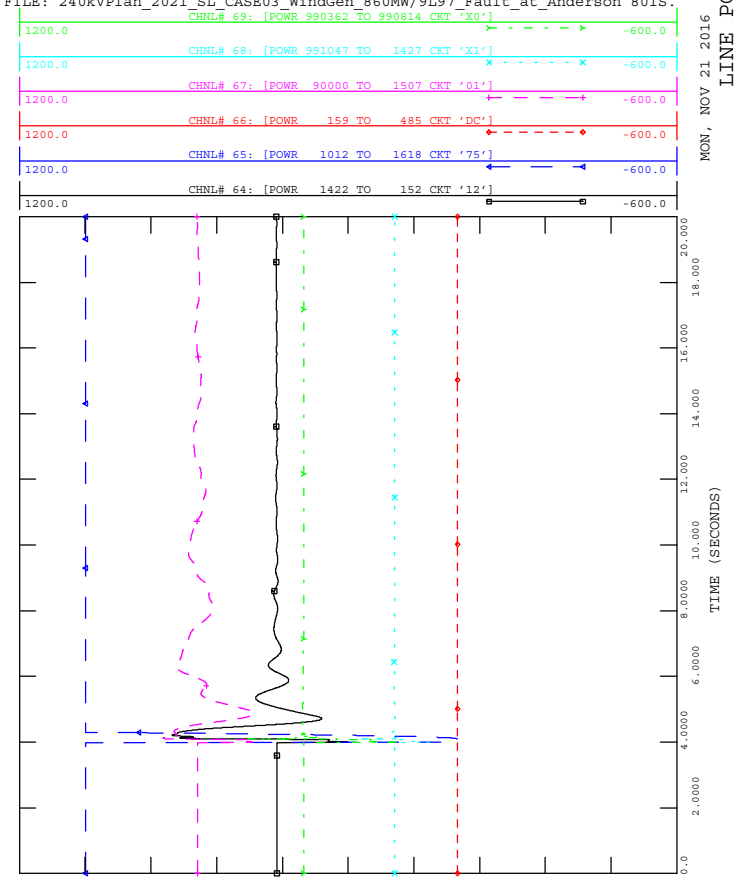


MON, NOV 21 2016 13:38

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.

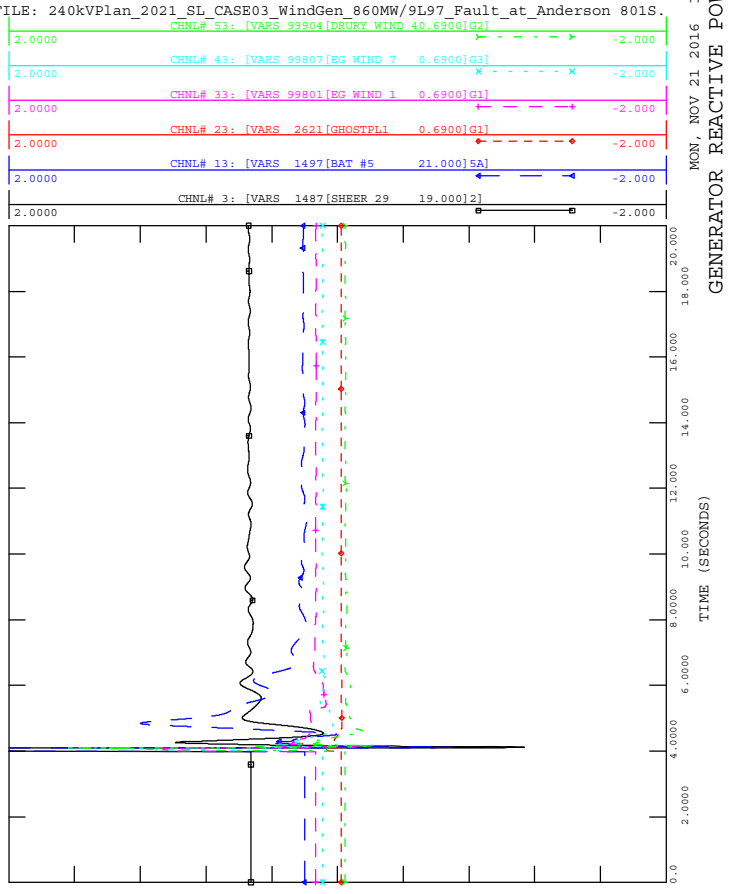


MON, NOV 21 2016 13:38

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.



MON, NOV 21 2016 13:38

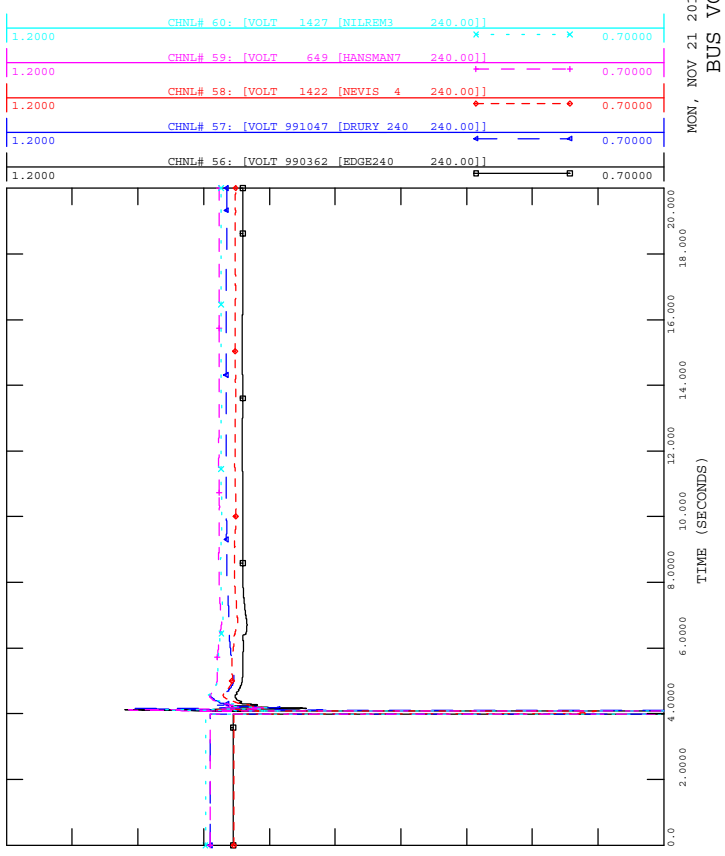
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 13:38

BUS VOLTAGE

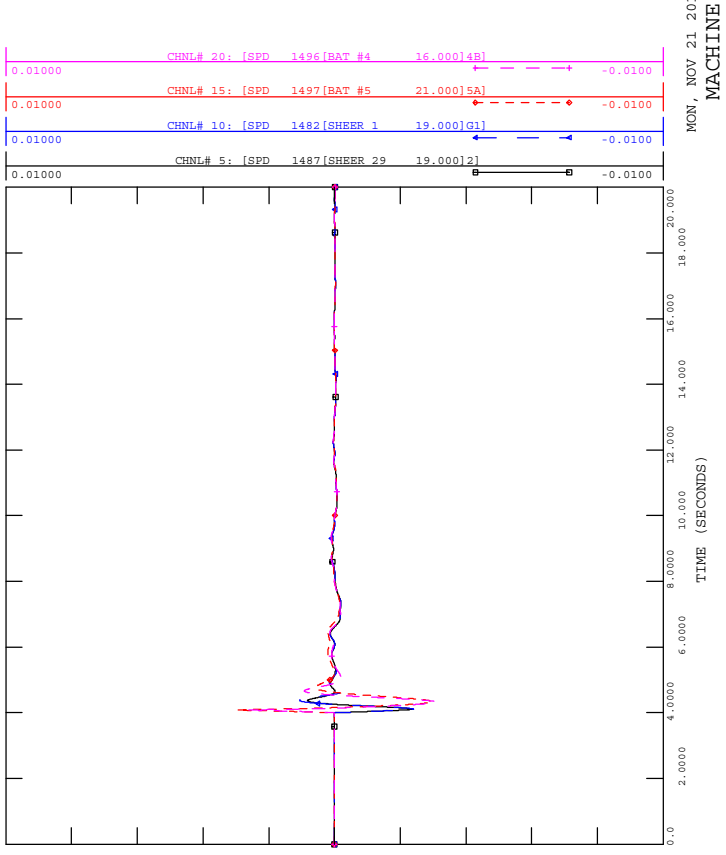


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 13:38

MACHINE SPEED

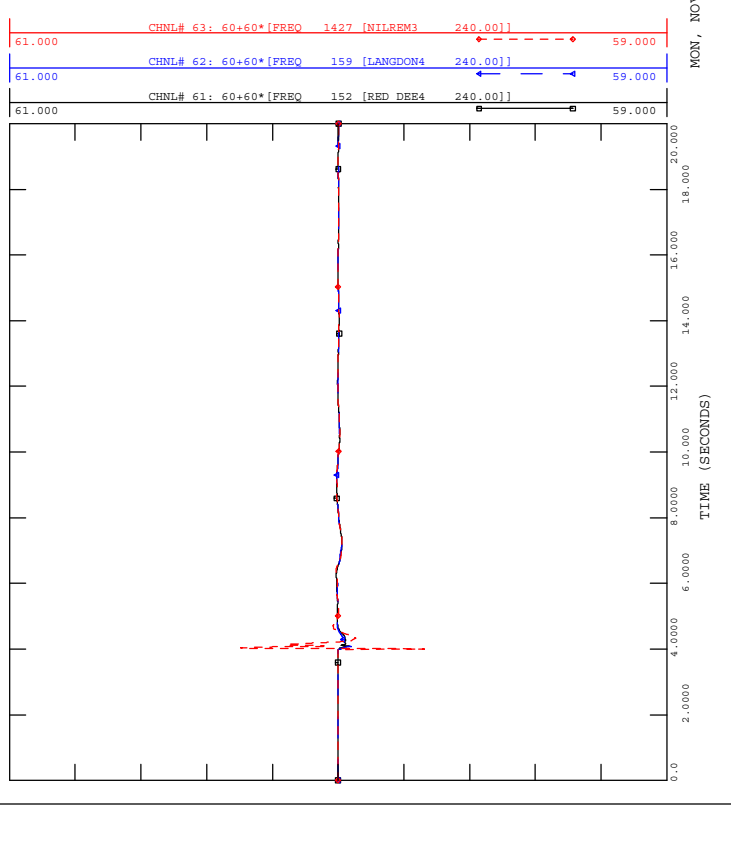


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 13:38

FREQUENCY

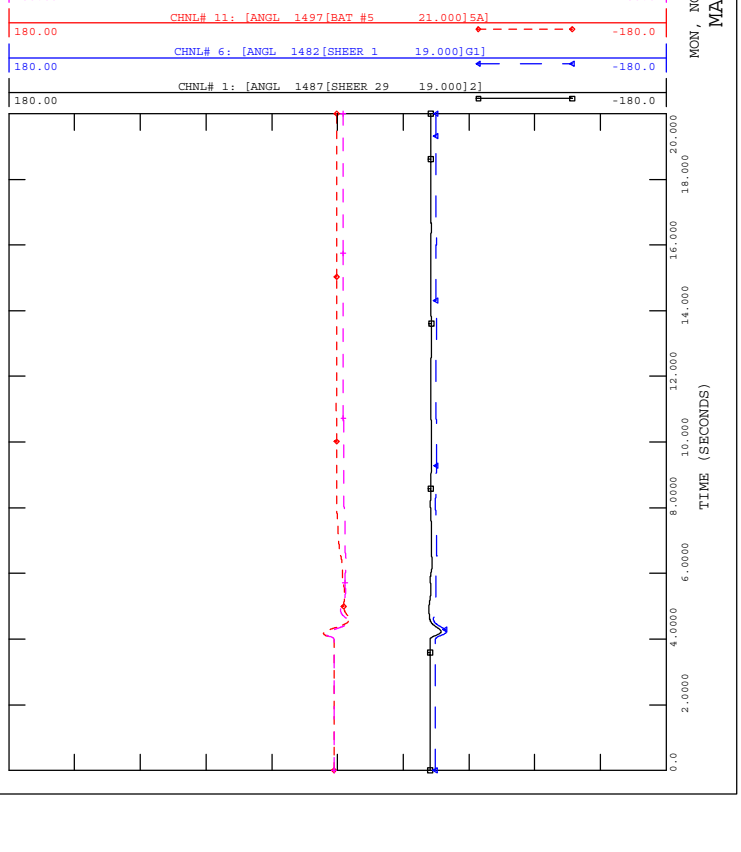


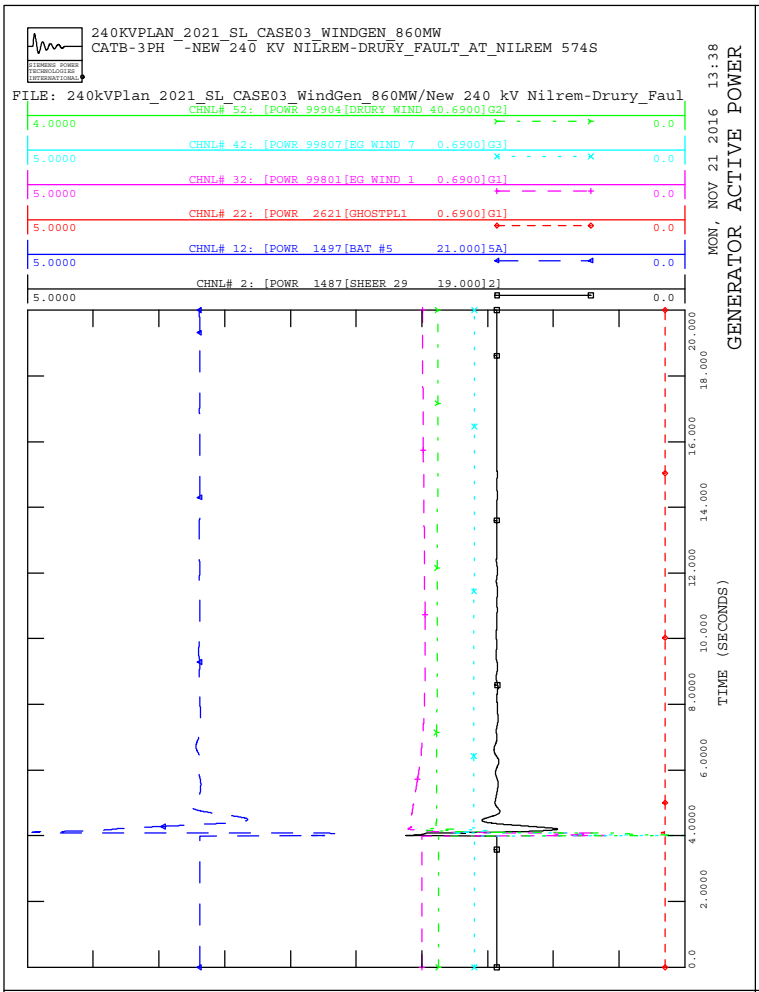
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

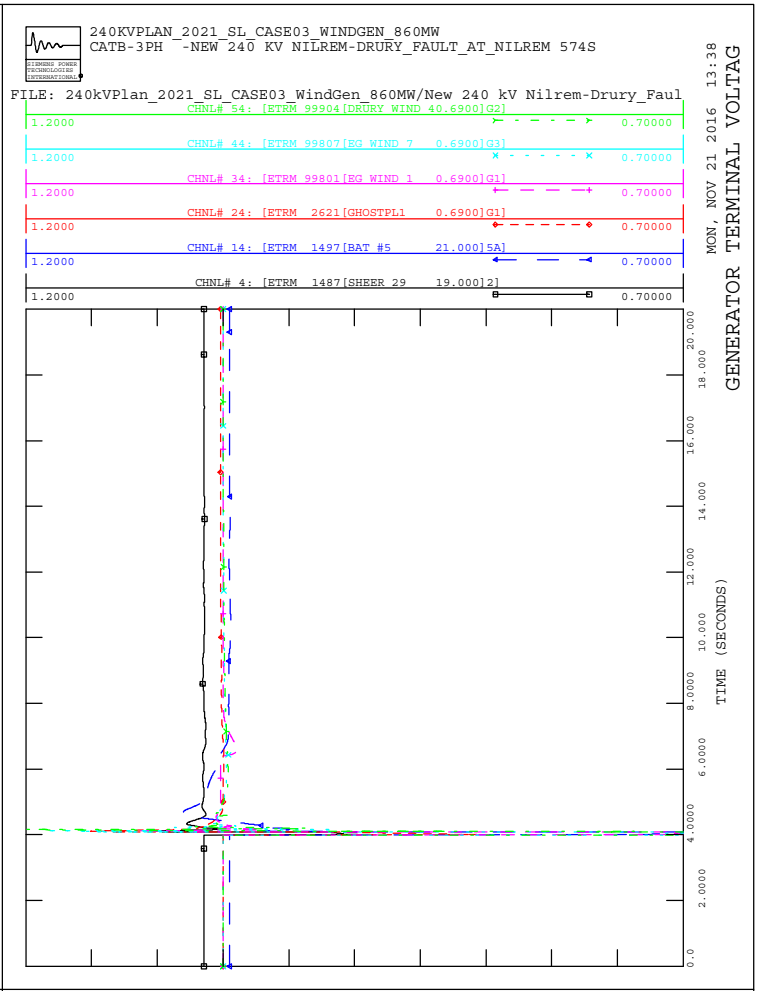
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

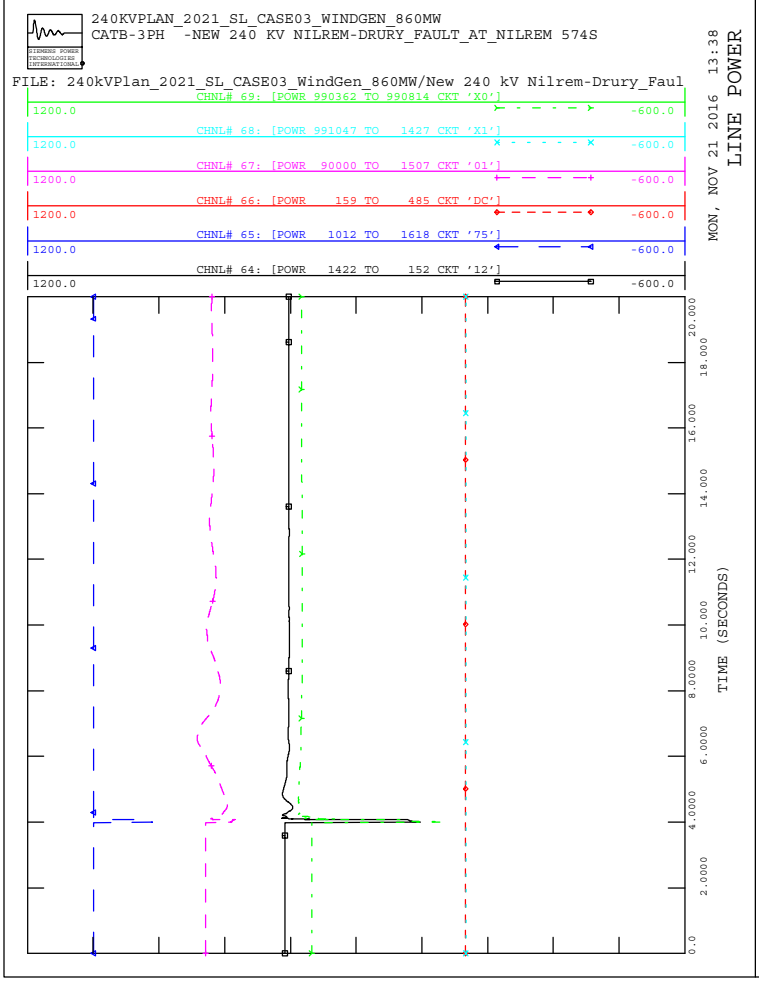
MON, NOV 21 2016 13:38

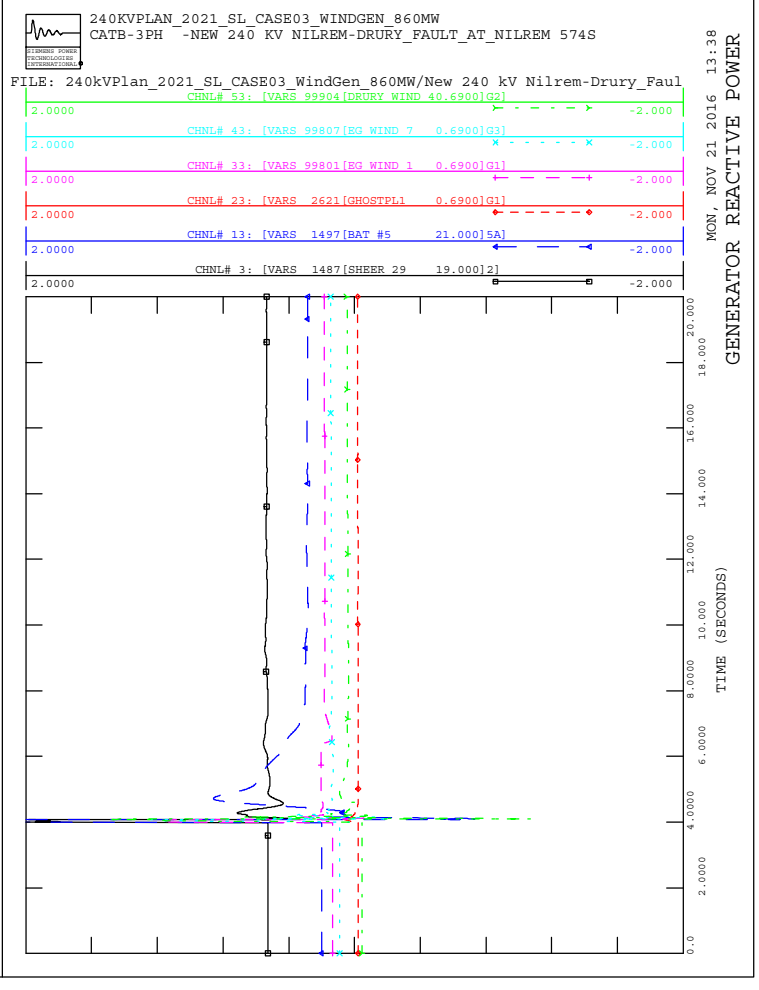
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:38
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:38
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:38
LINE POWER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CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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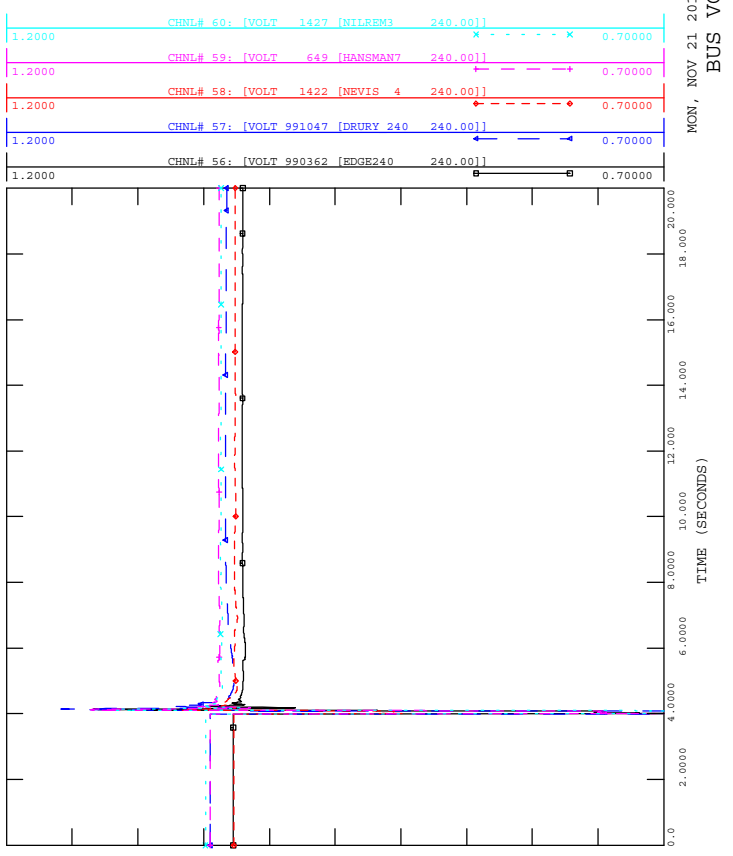
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:38
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 13:38

BUS VOLTAGE



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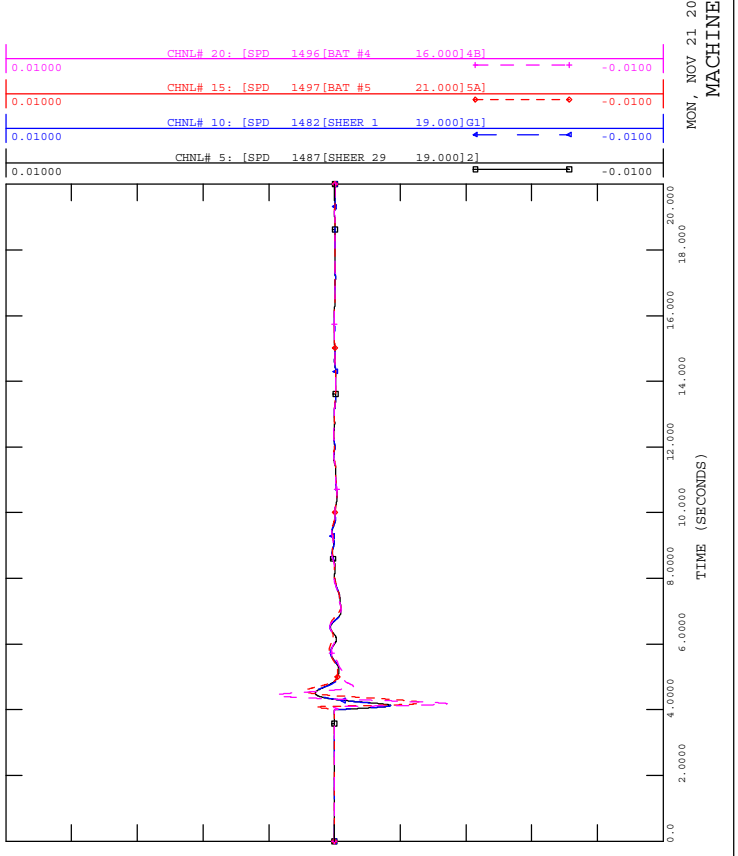
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 13:38

MACHINE SPEED



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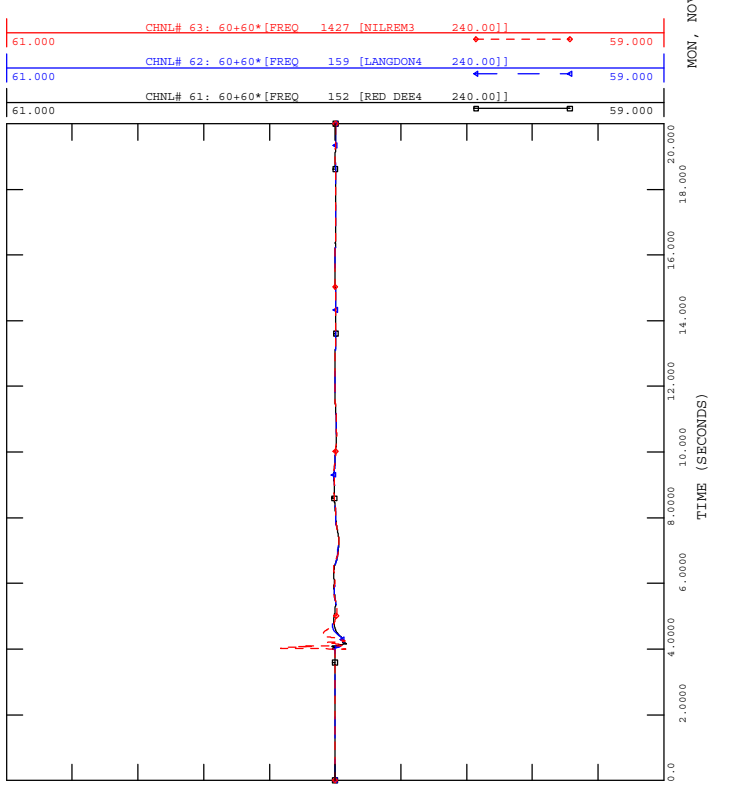

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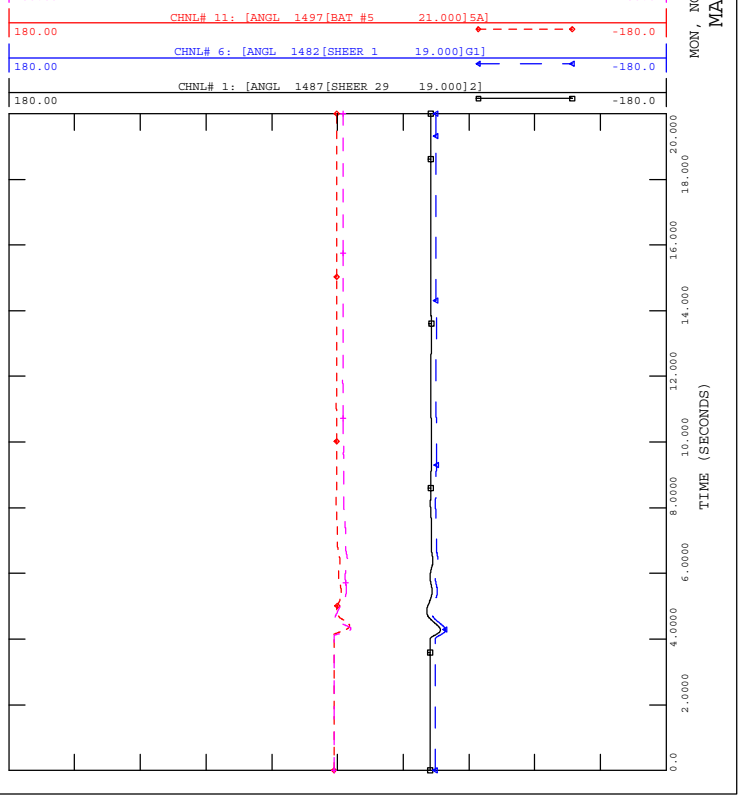
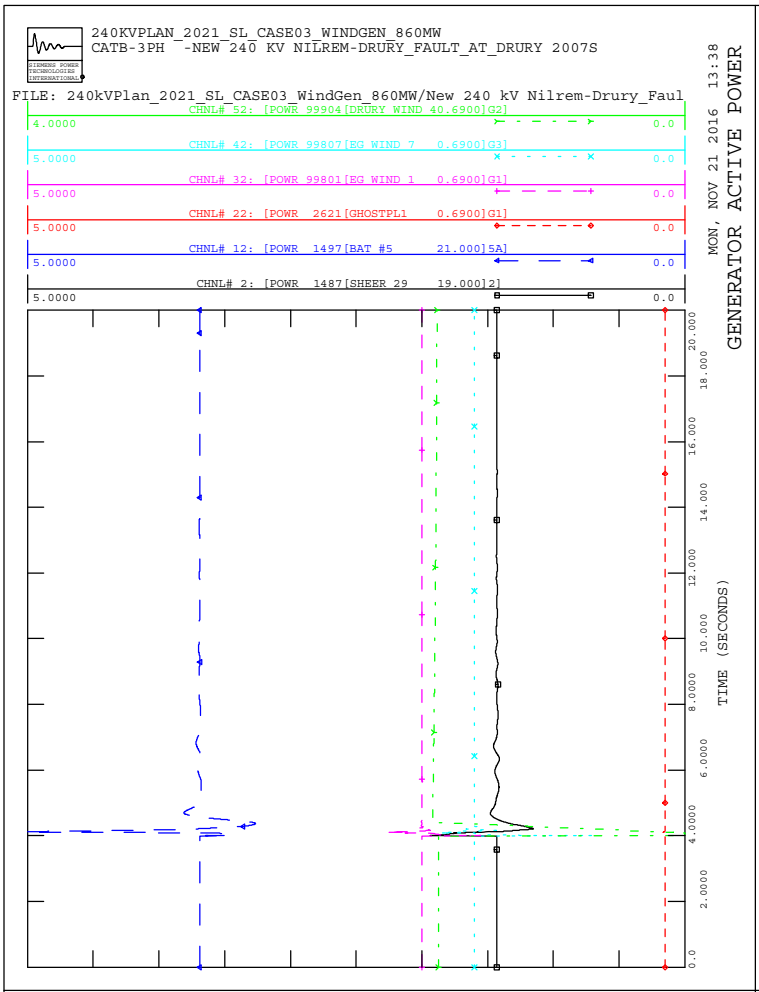
MON, NOV 21 2016 13:38

MACHINE ANGEL

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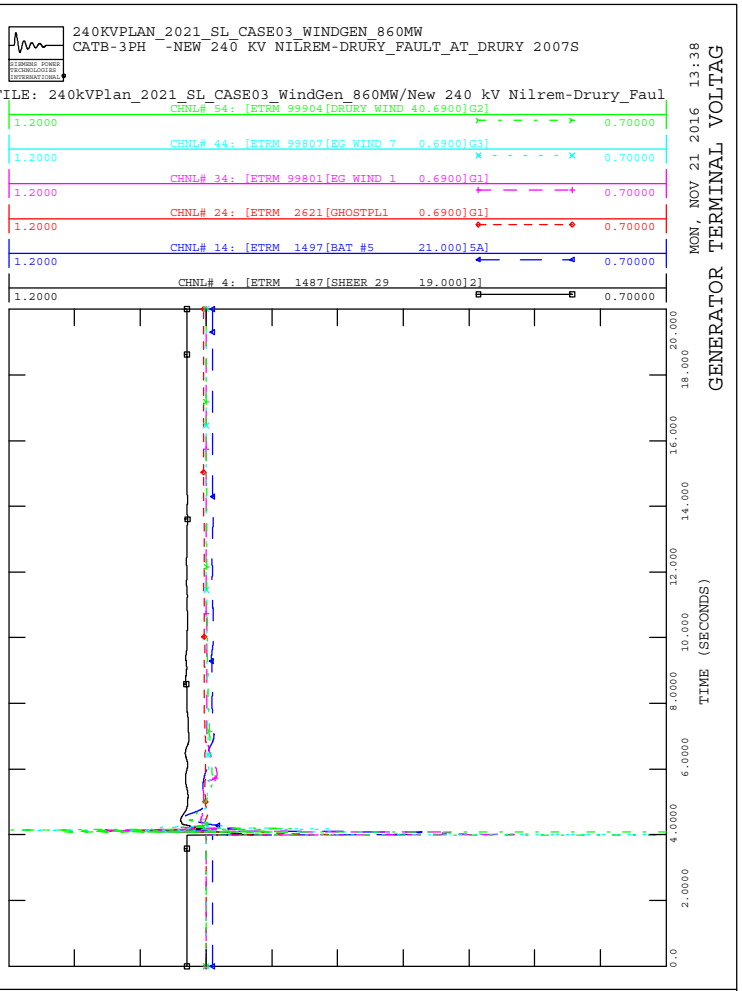
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:38
GENERATOR ACTIVE POWER
TIME (SECONDS)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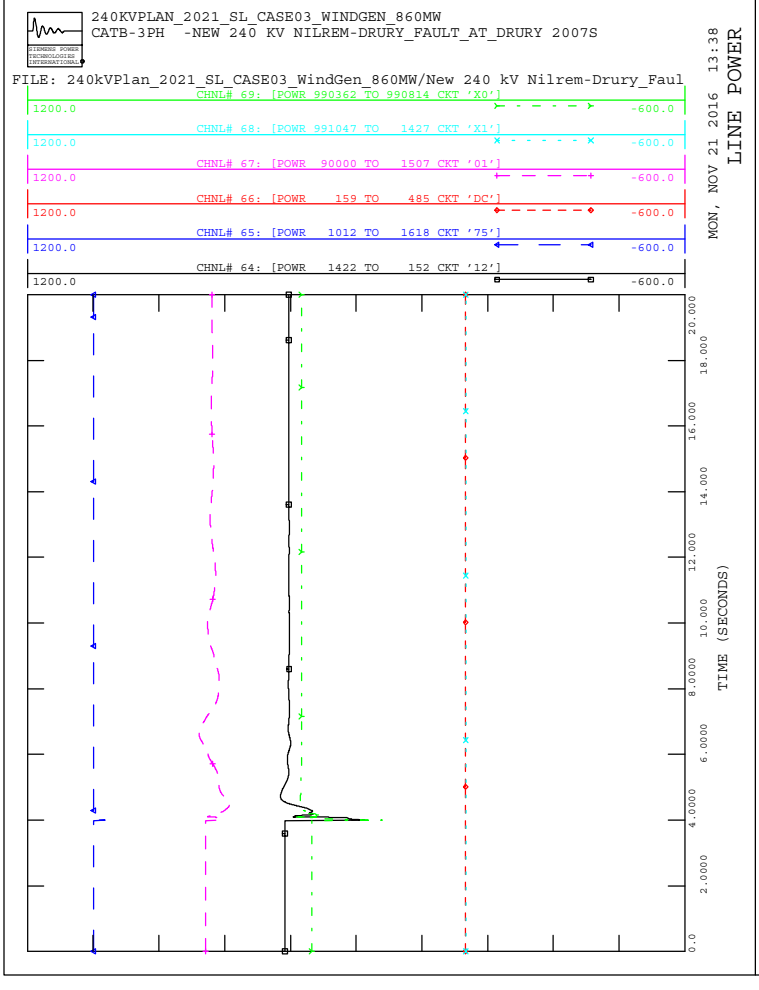
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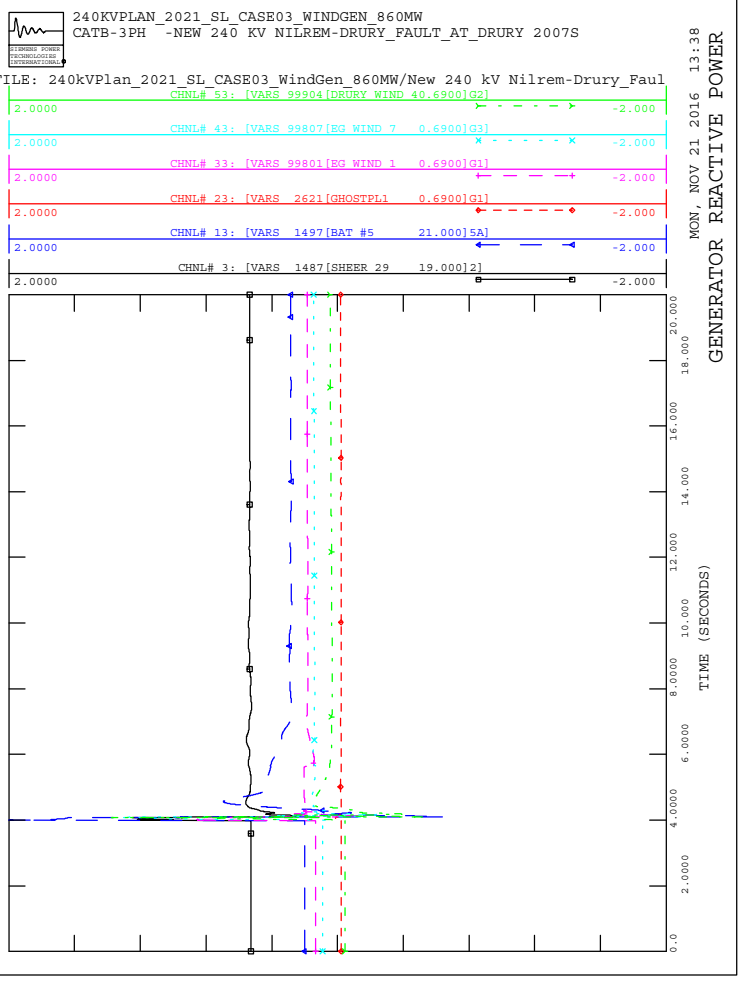
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:38
LINE POWER
TIME (SECONDS)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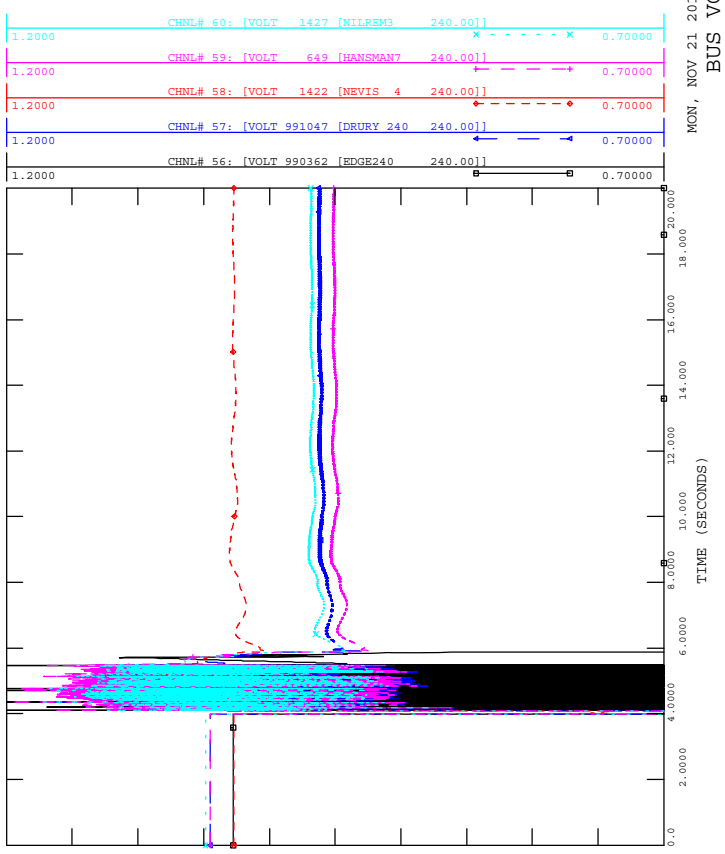
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 13:38

BUS VOLTAGE



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
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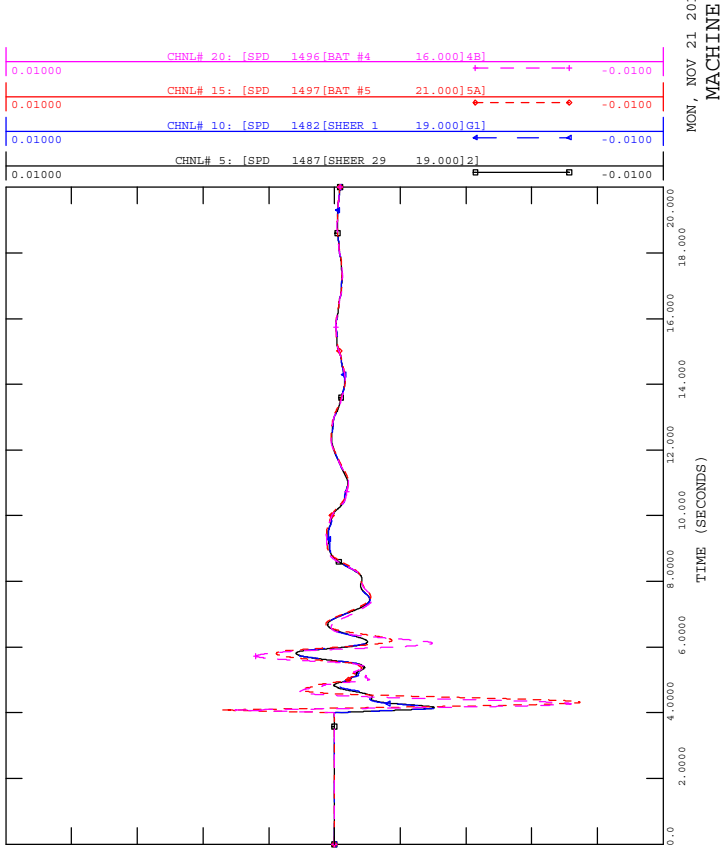
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 13:38

MACHINE SPEED



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MON, NOV 21 2016 13:38

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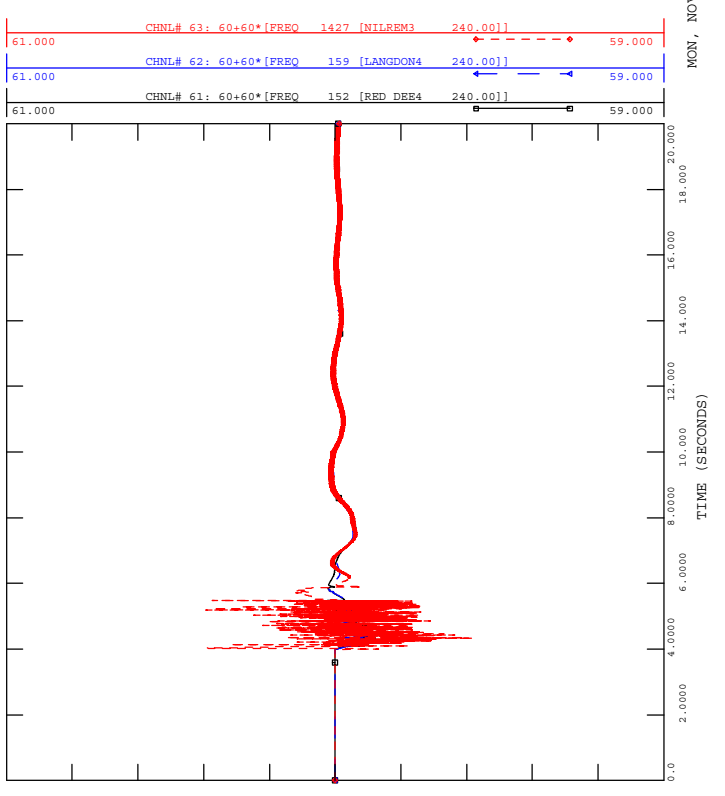

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
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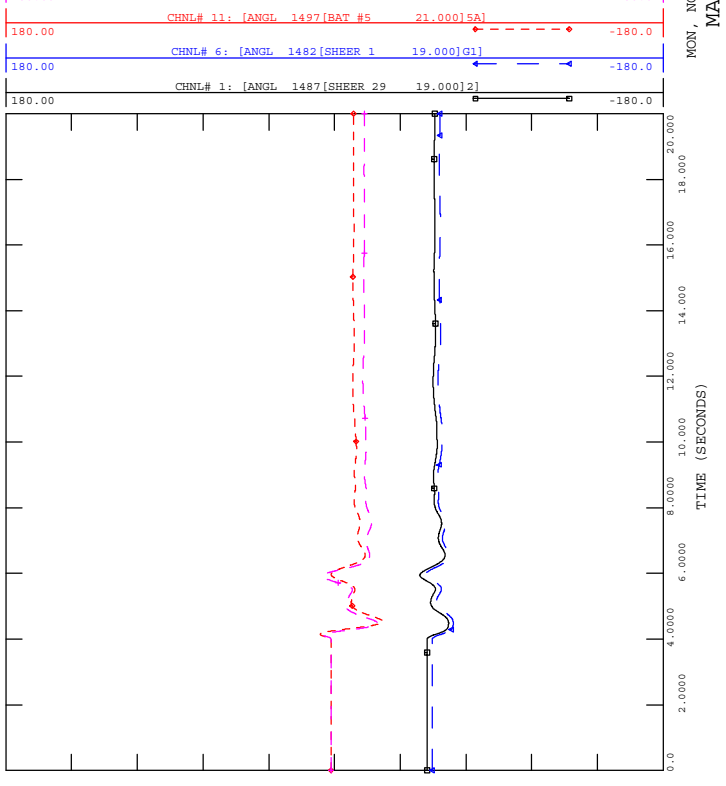
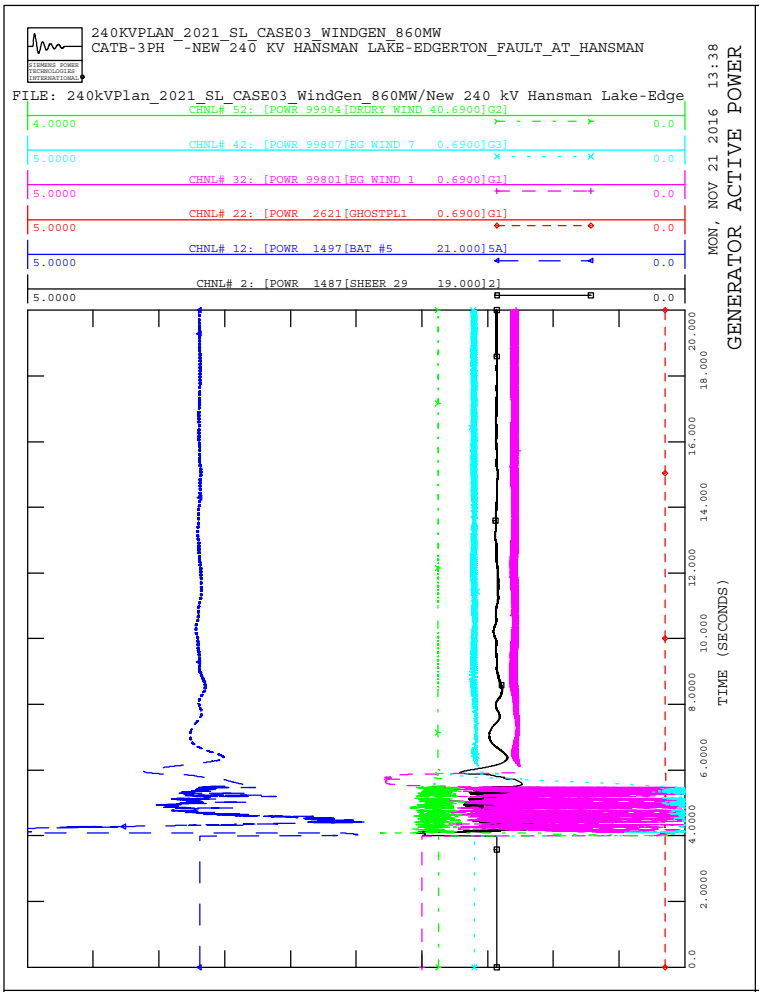
MON, NOV 21 2016 13:38

MACHINE ANGEL

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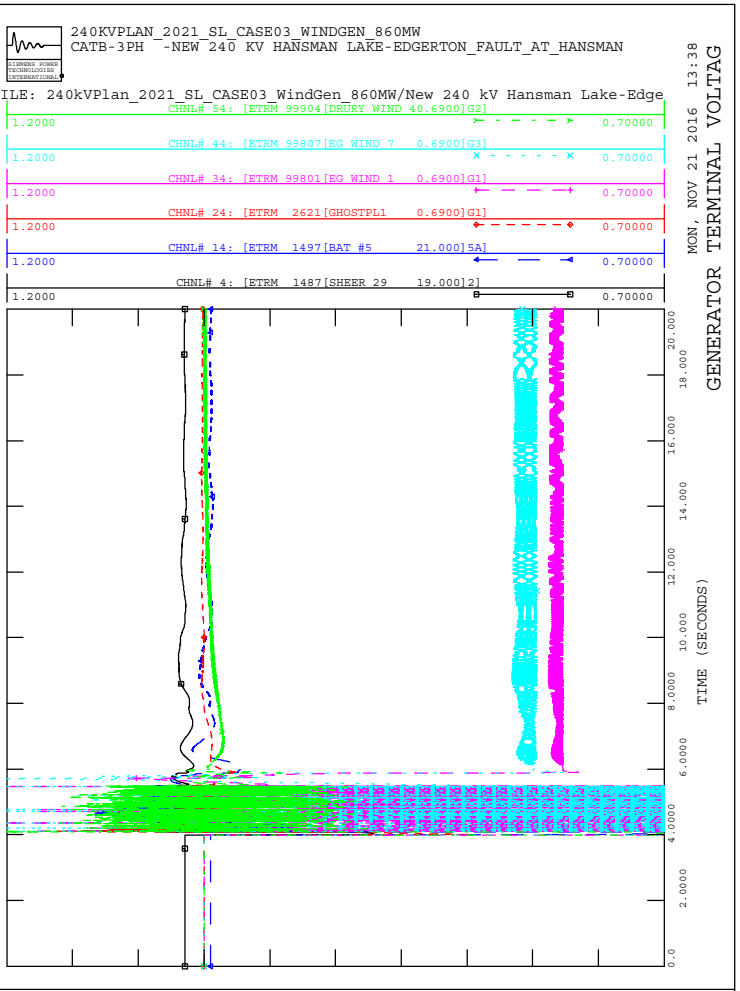
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:38
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
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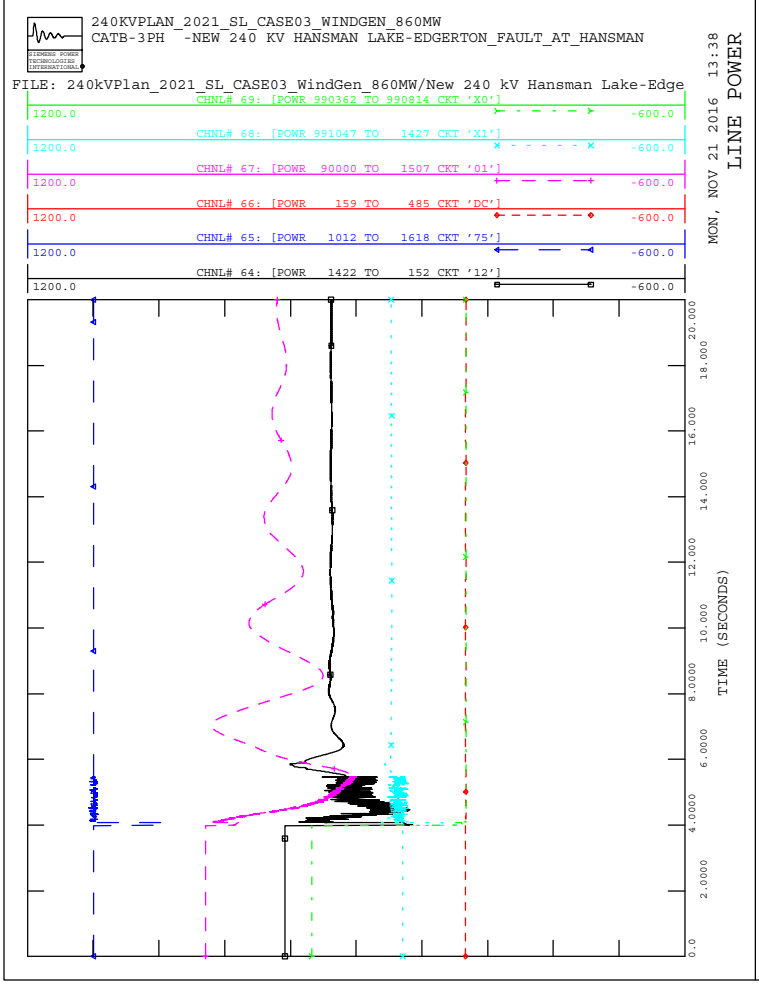
MON, NOV 21 2016 13:38
GENERATOR TERMINAL VOLTAG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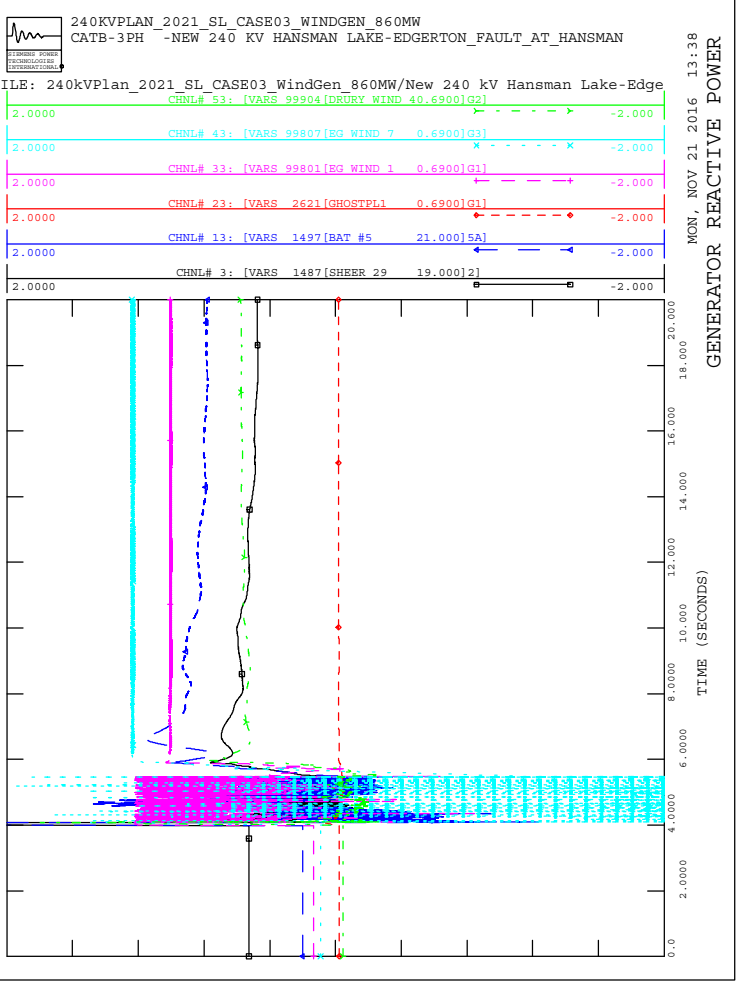
LINE POWER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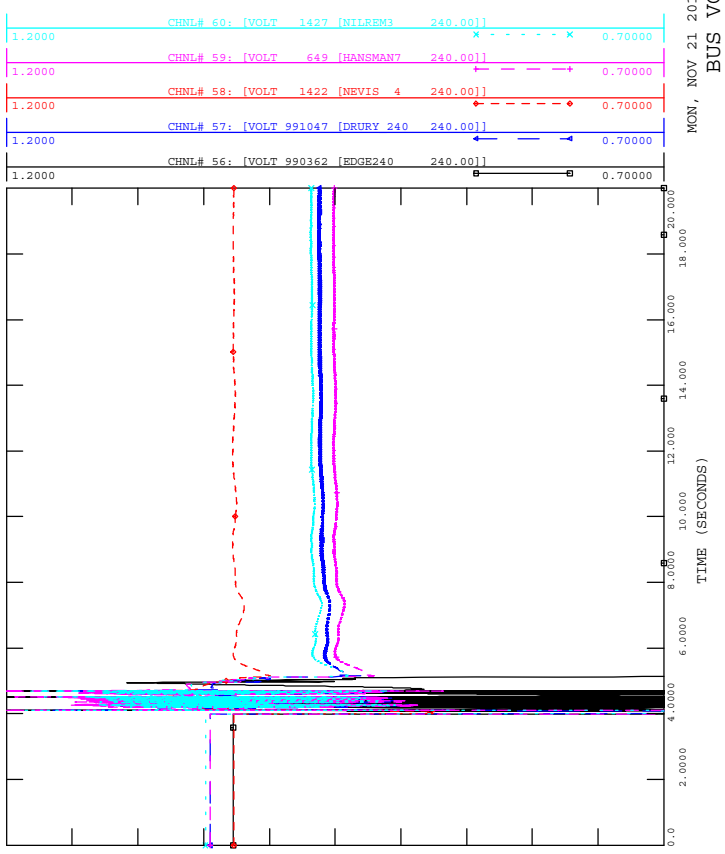
TIME (SECONDS)
MON, NOV 21 2016 13:38
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 13:38

BUS VOLTAGE



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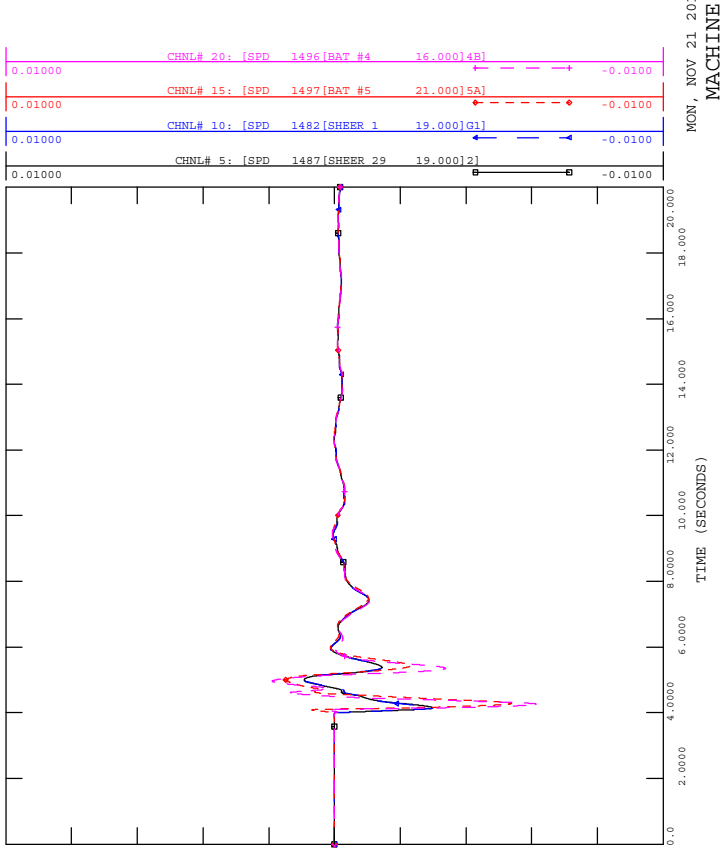
MACHINE SPEED



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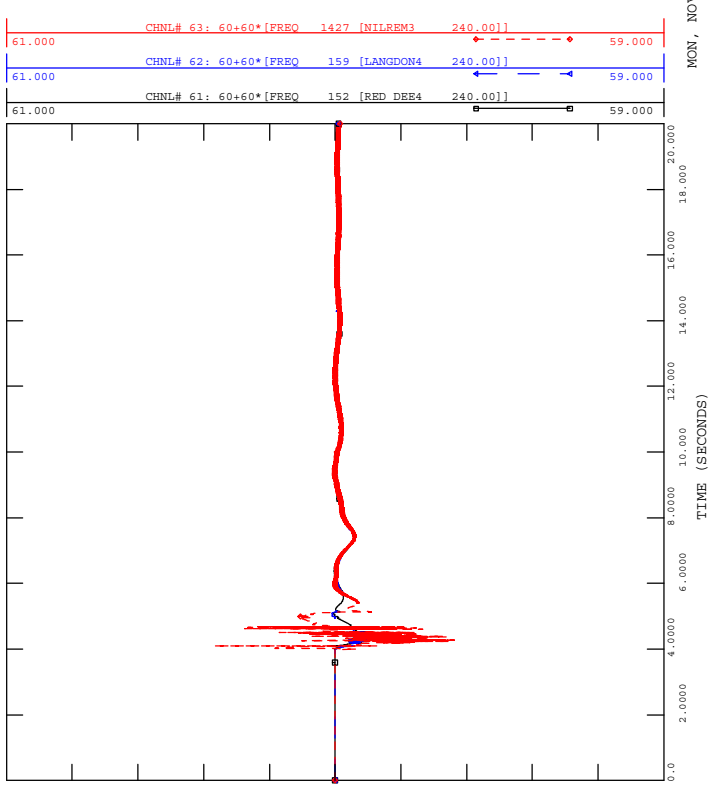

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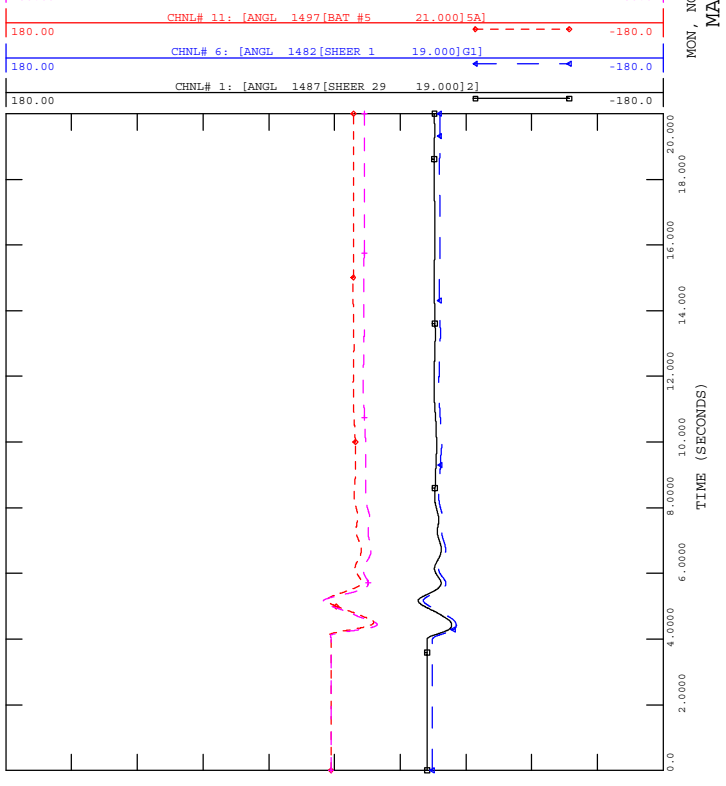

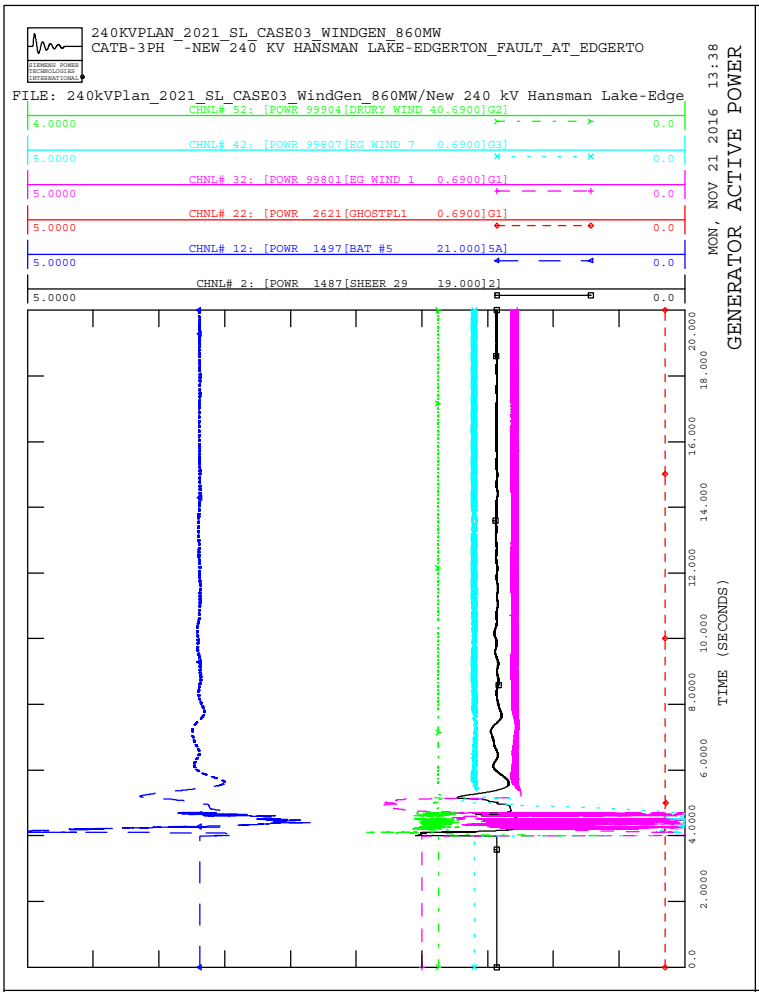
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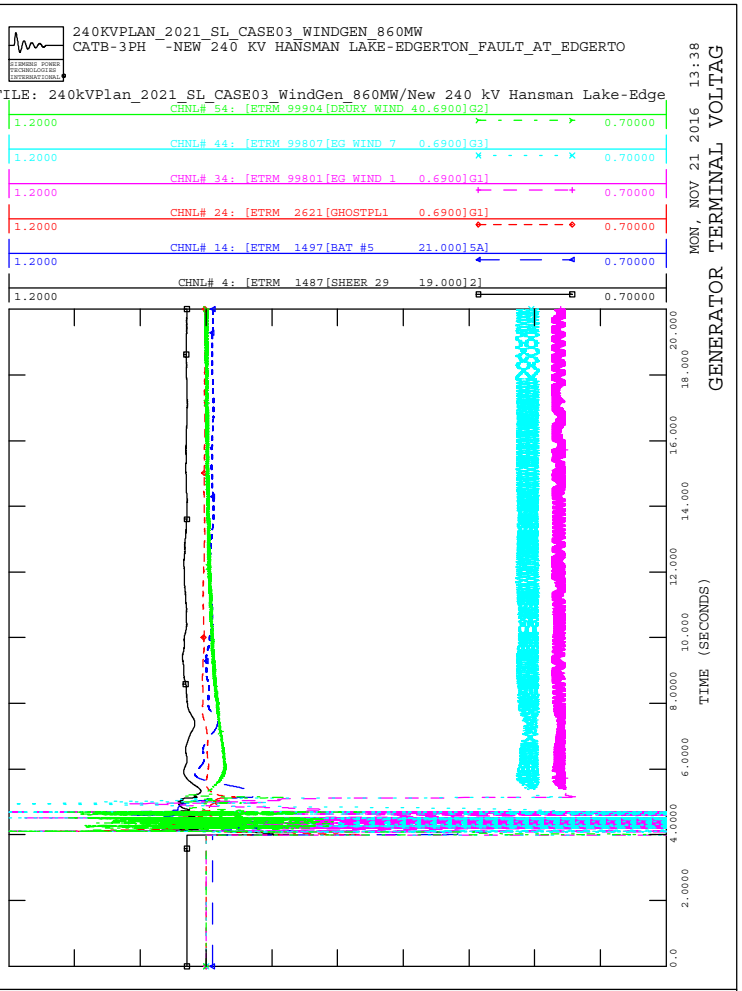
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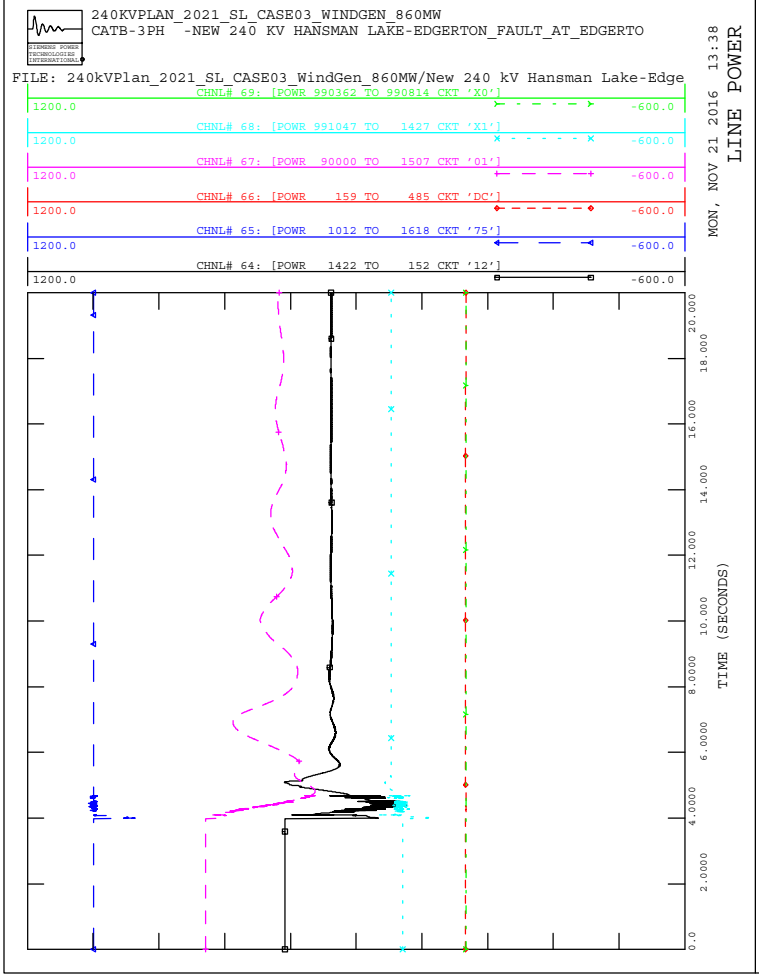
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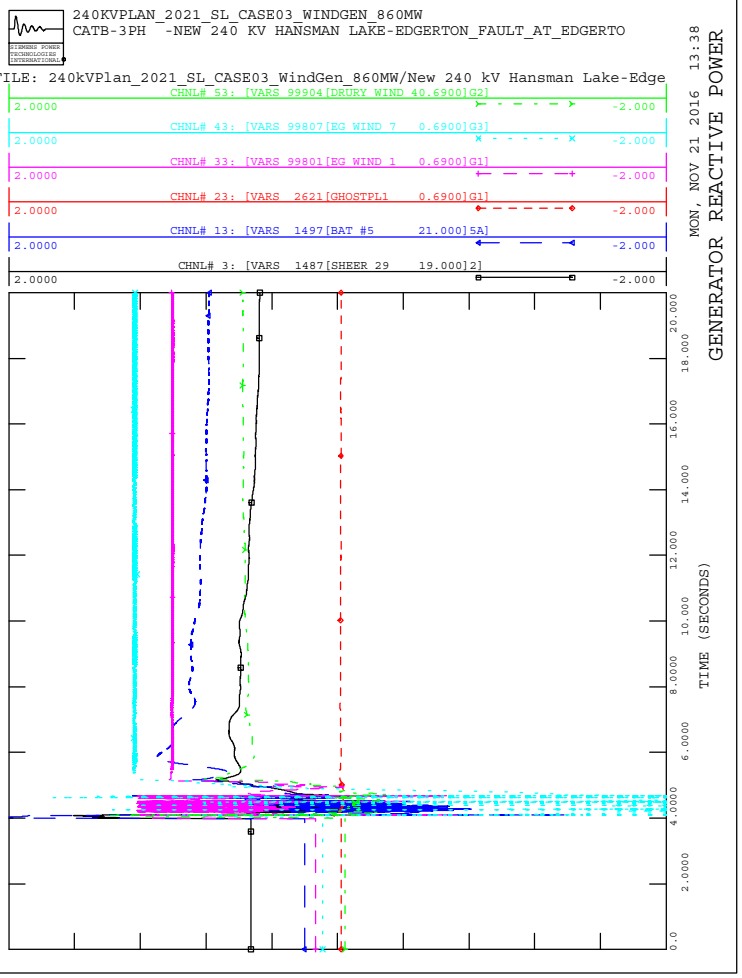
MON, NOV 21 2016 13:38
TIME (SECONDS)

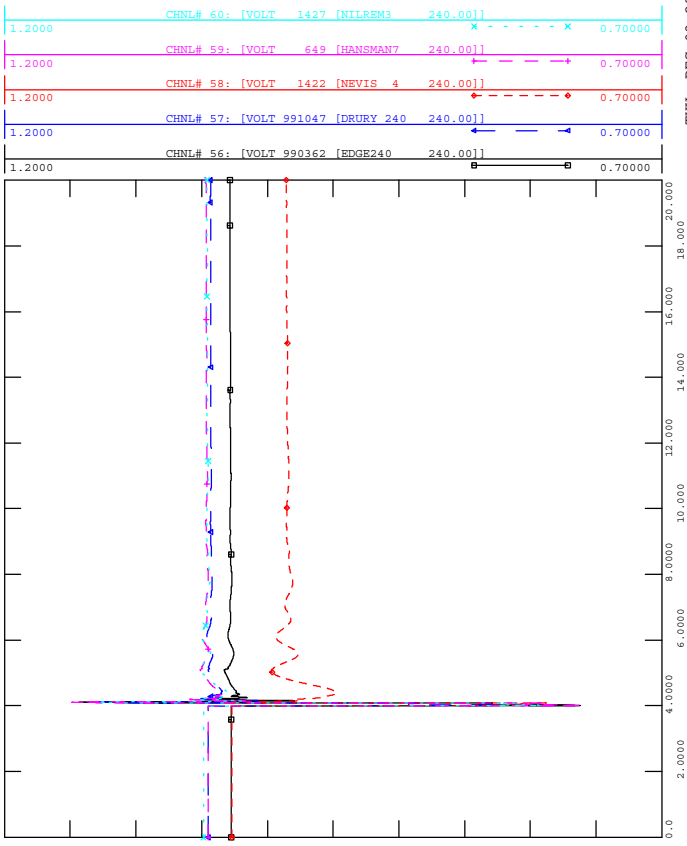

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:38
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

BUS VOLTAGE

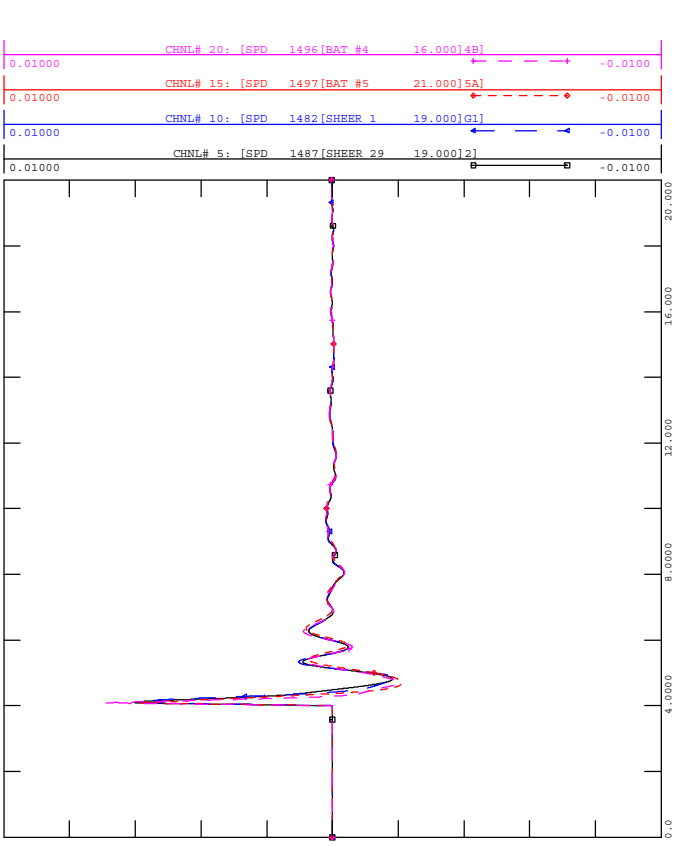


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

MACHINE SPEED

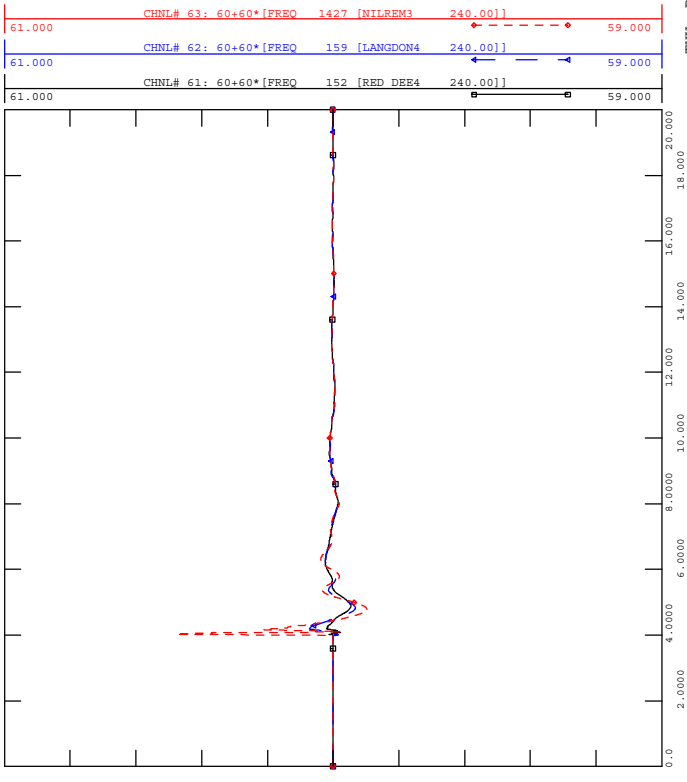


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

FREQUENCY

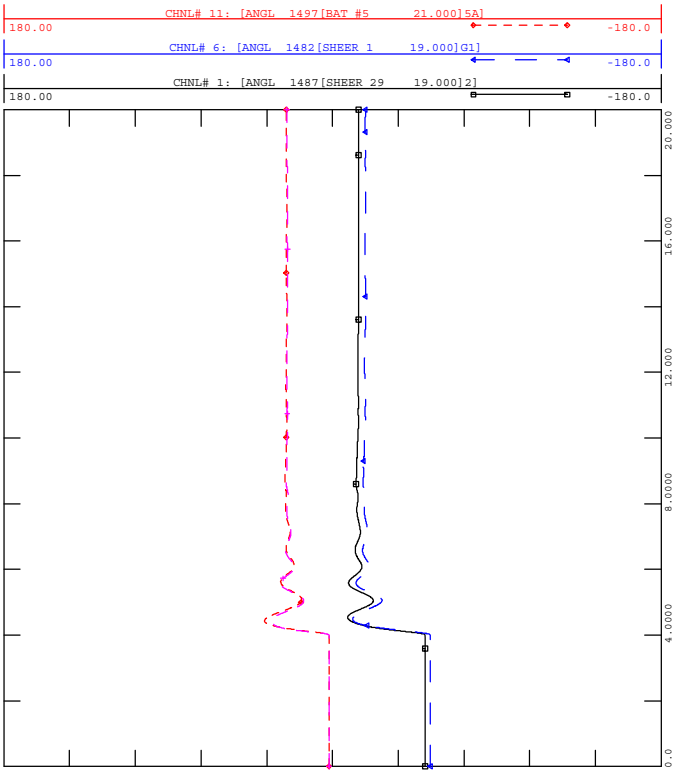


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

MACHINE ANGLE

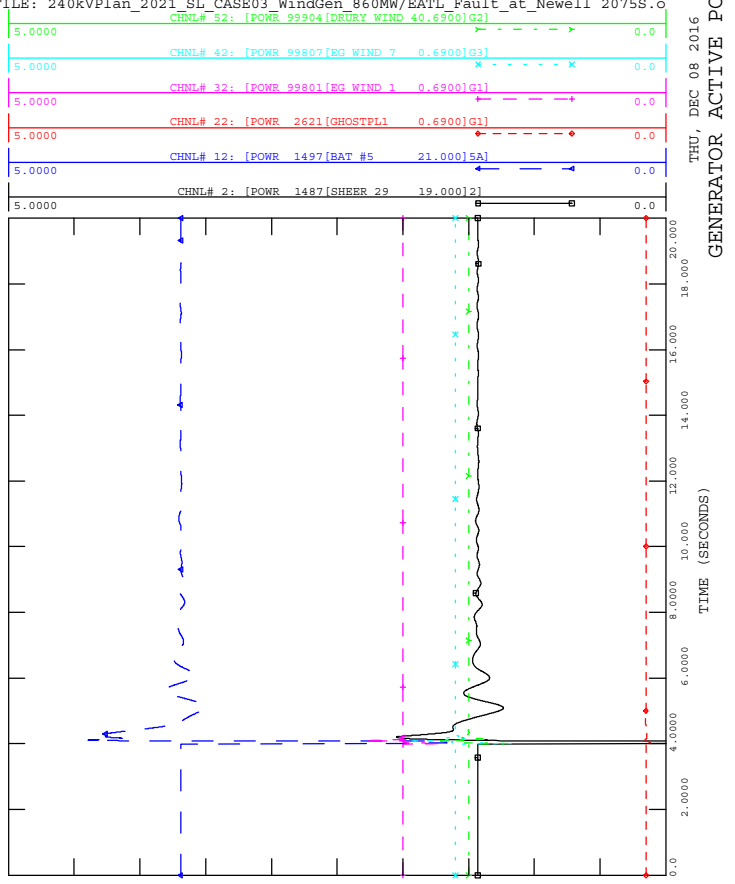


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

GENERATOR ACTIVE POWER

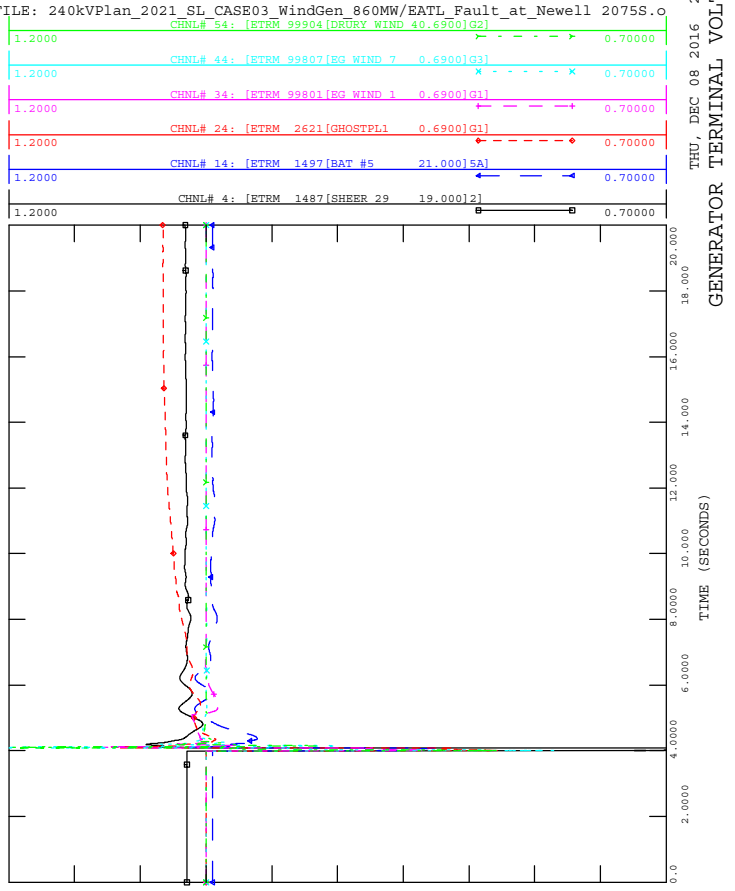


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

GENERATOR TERMINAL VOLTAG

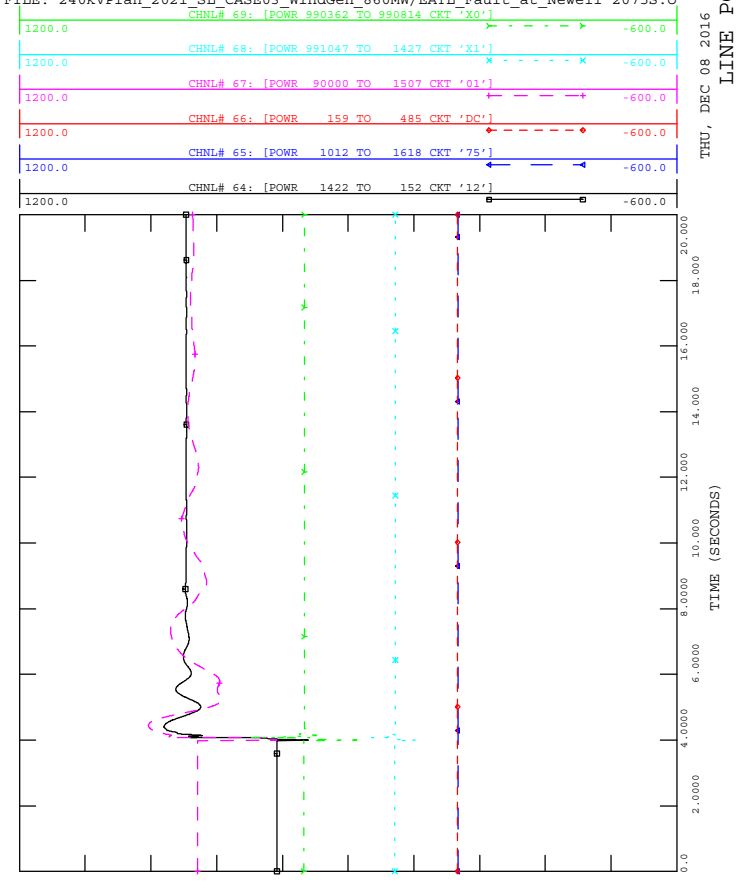


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

LINE POWER

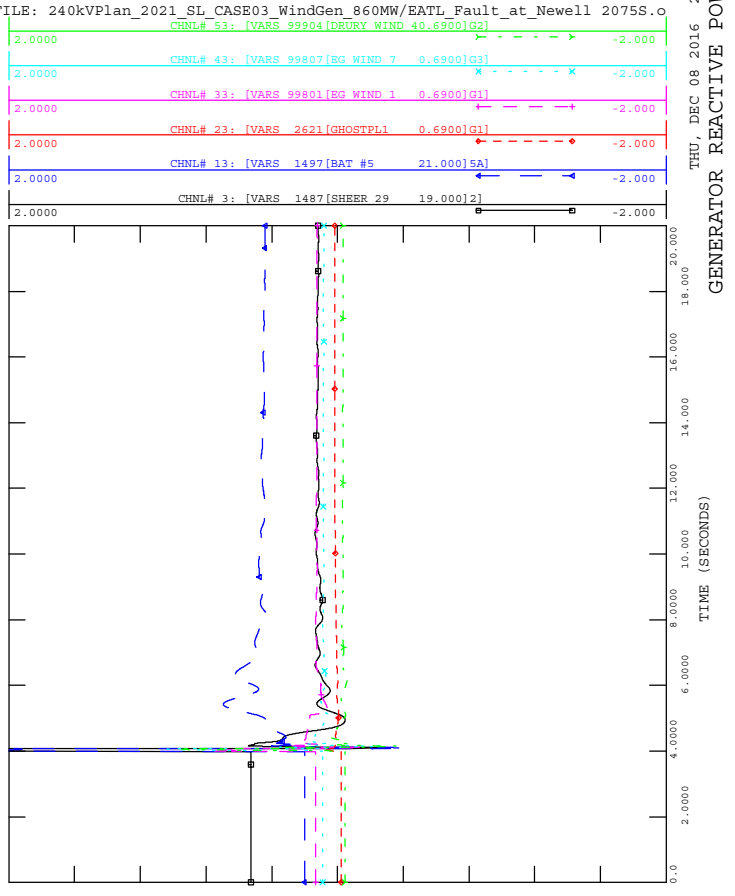


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

GENERATOR REACTIVE POWER



Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Winter Peak

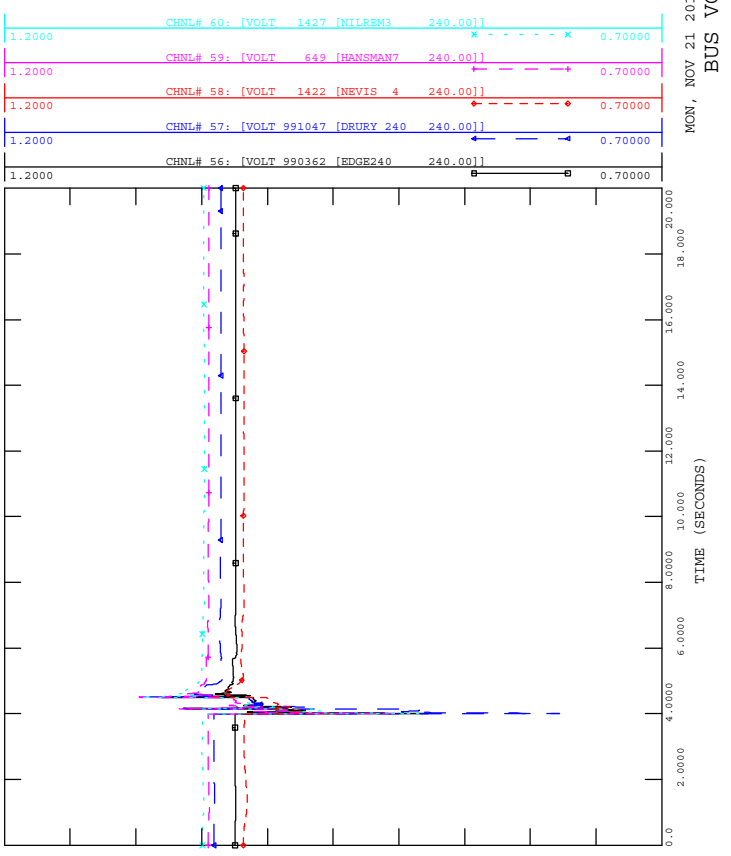
Category B (Three-phase-to-ground Fault)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 13:39

BUS VOLTAGE

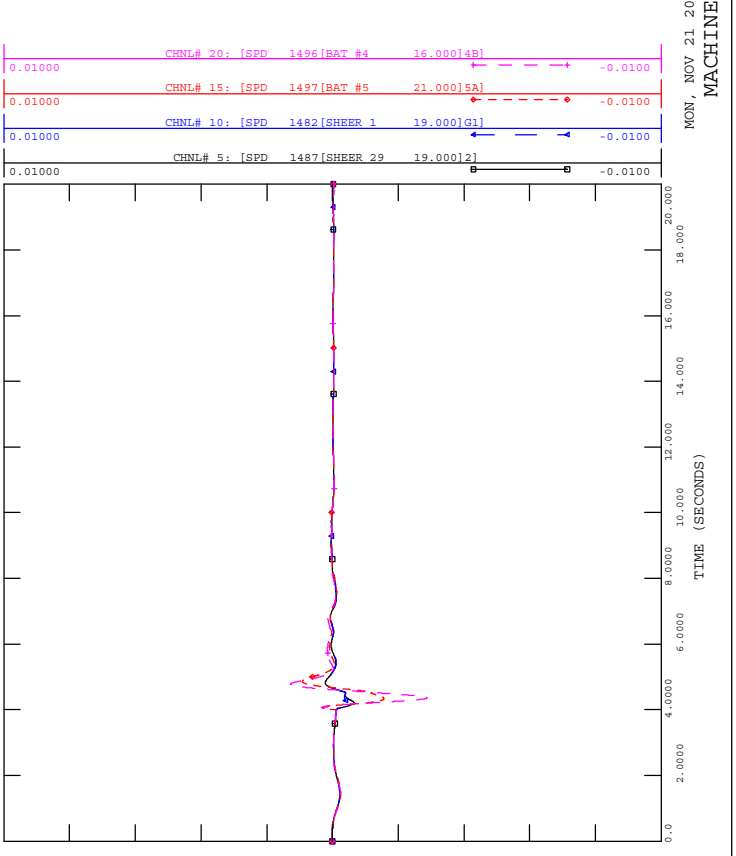


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 13:39

MACHINE SPEED

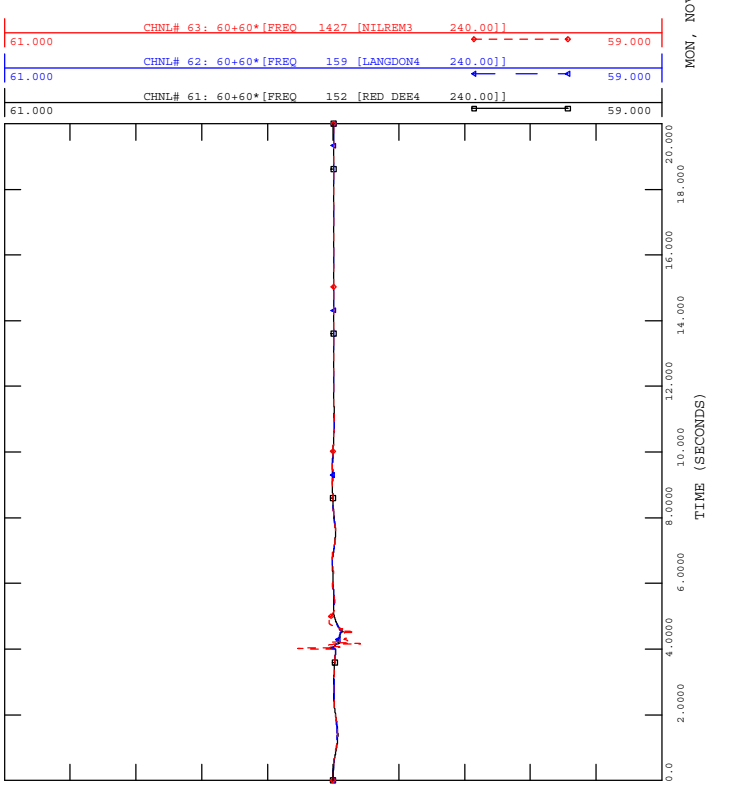


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 13:39

FREQUENCY

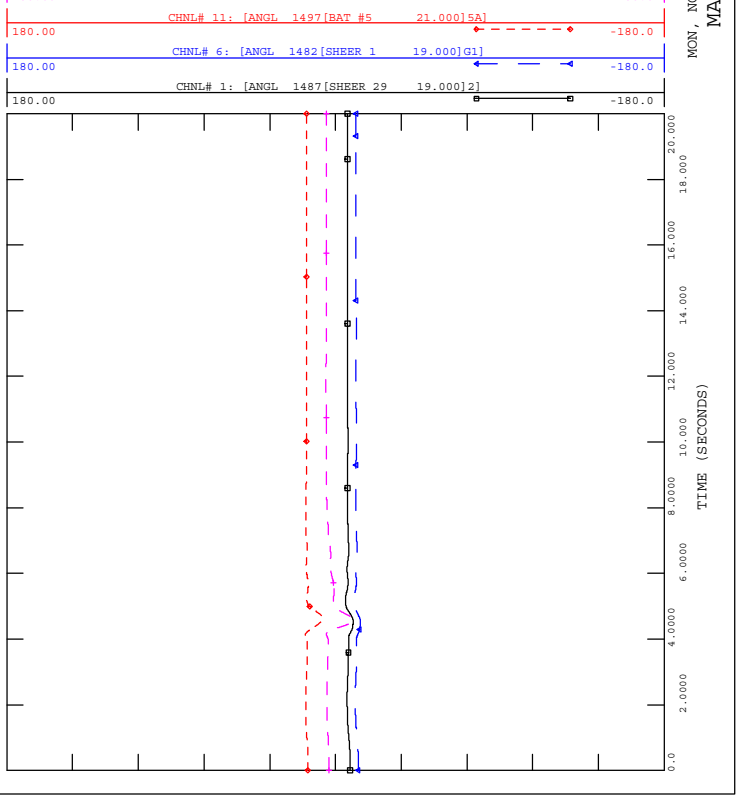


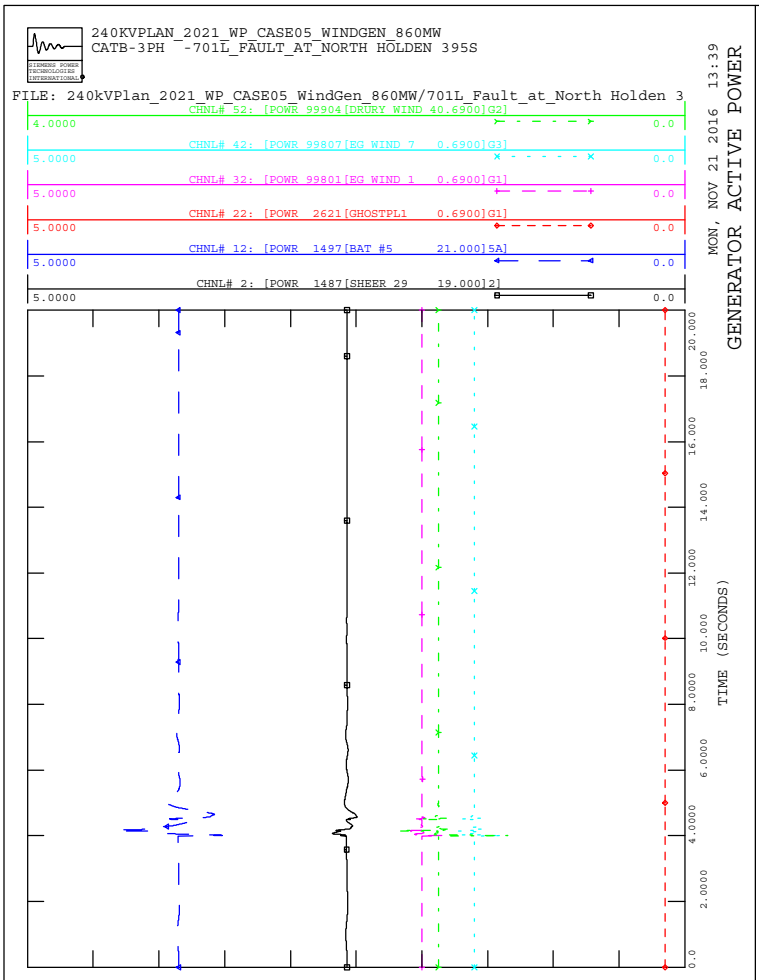
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S

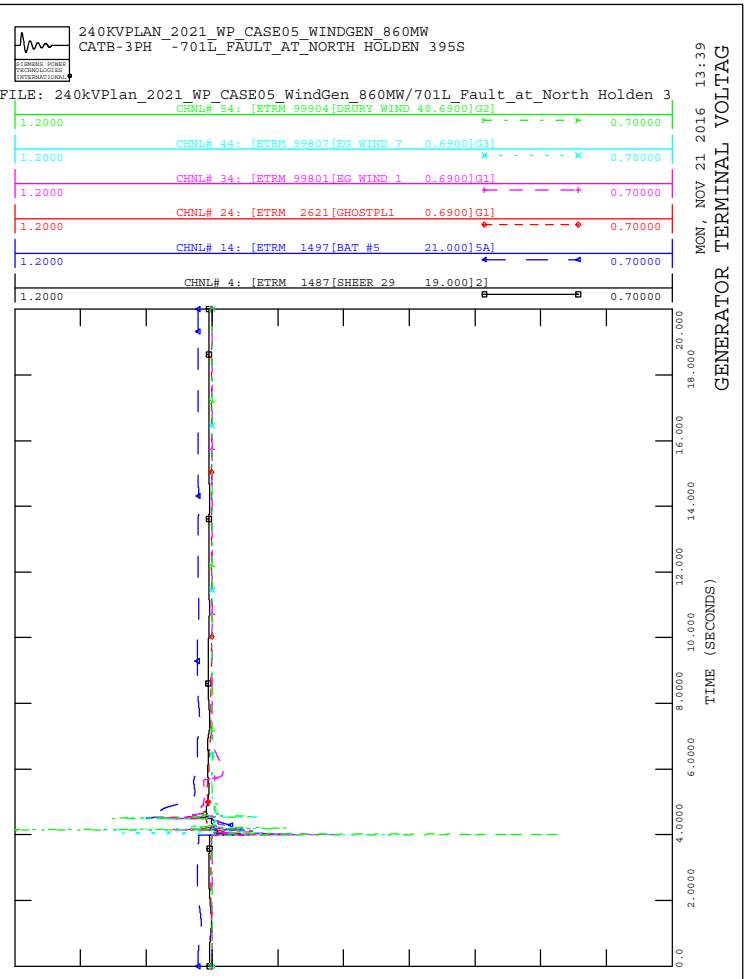
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3

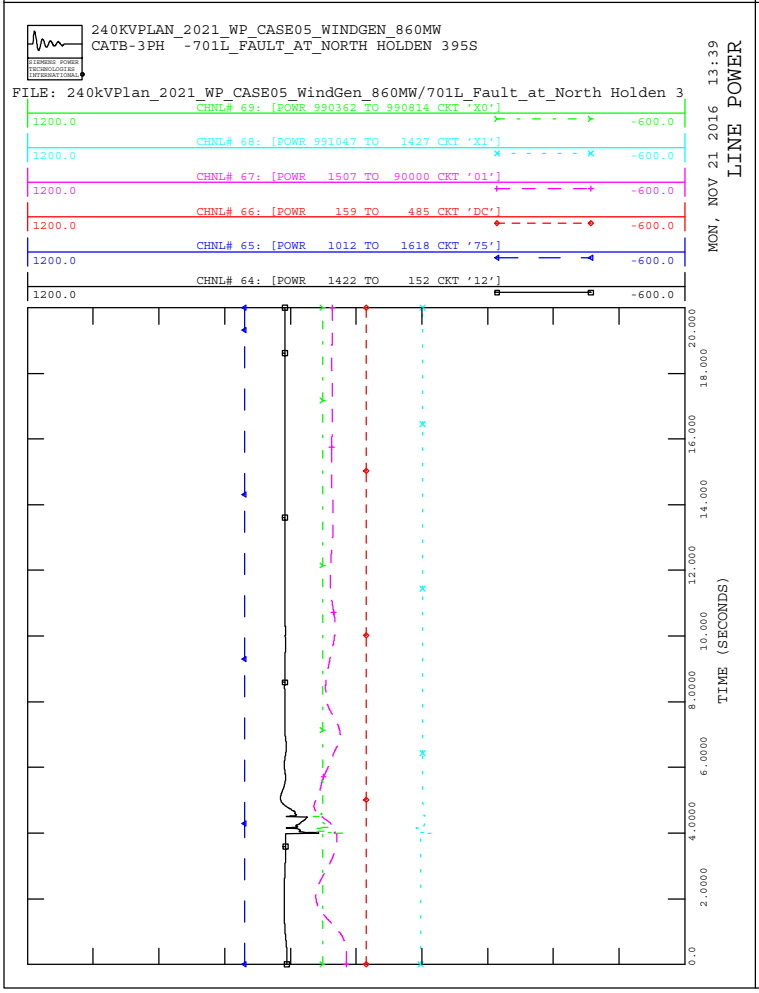
MON, NOV 21 2016 13:39

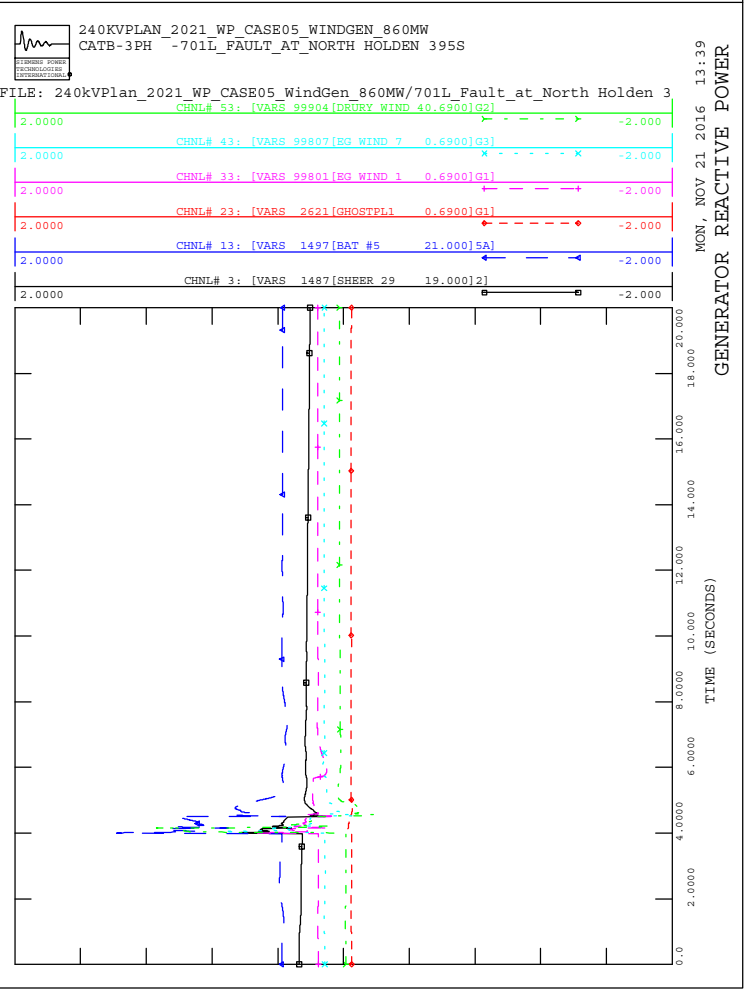
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:39
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:39
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:39
TIME (SECONDS)

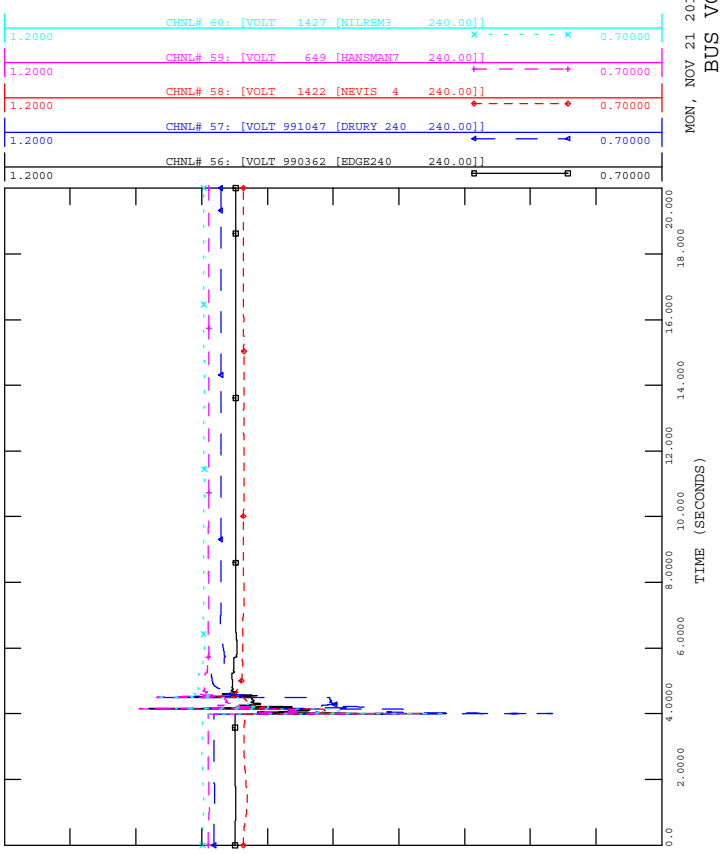

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:39
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou

MON, NOV 21 2016 13:39

BUS VOLTAGE

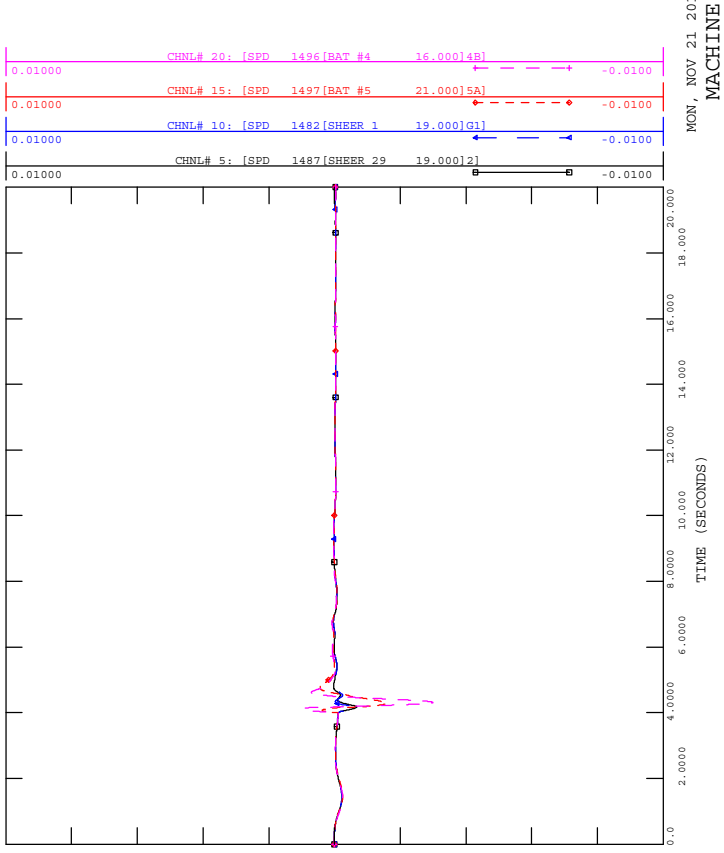


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou

MON, NOV 21 2016 13:39

MACHINE SPEED

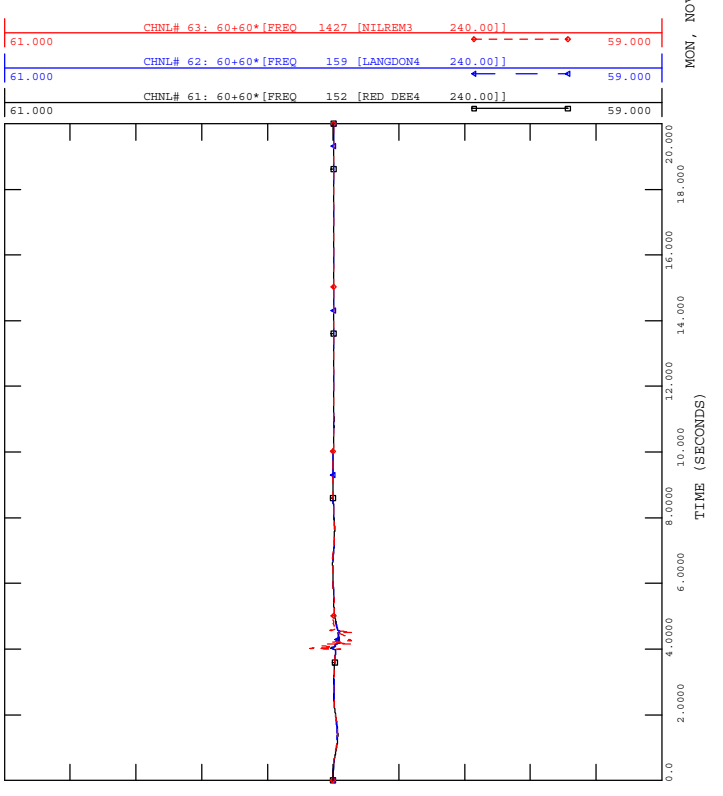


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou

MON, NOV 21 2016 13:39

FREQUENCY

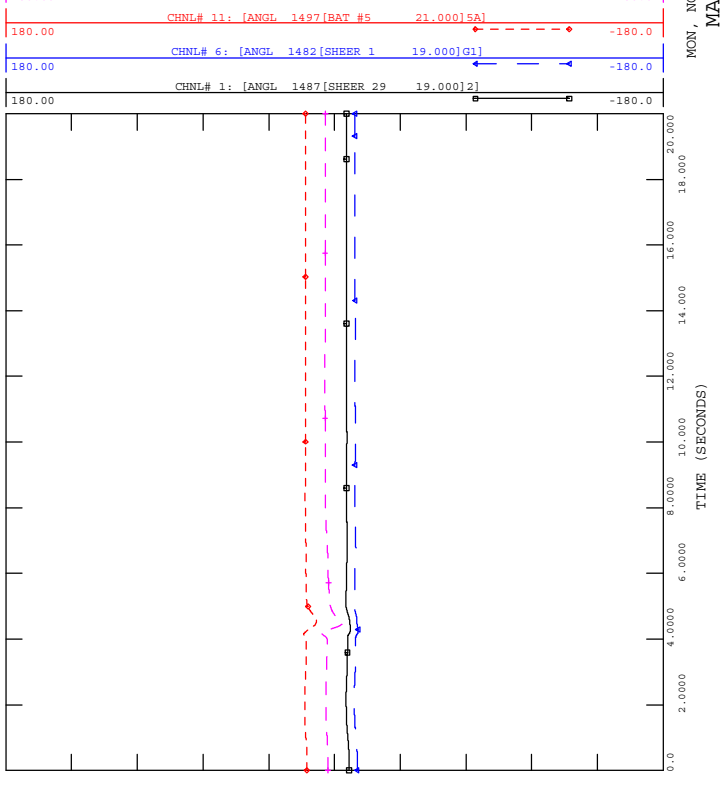


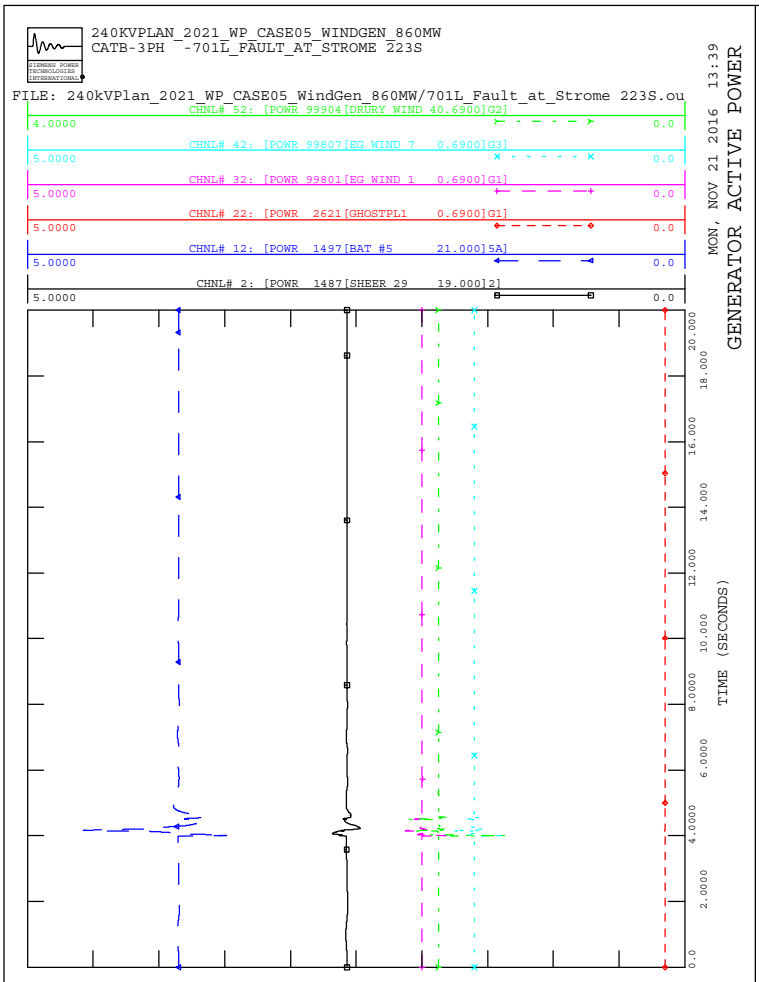
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S

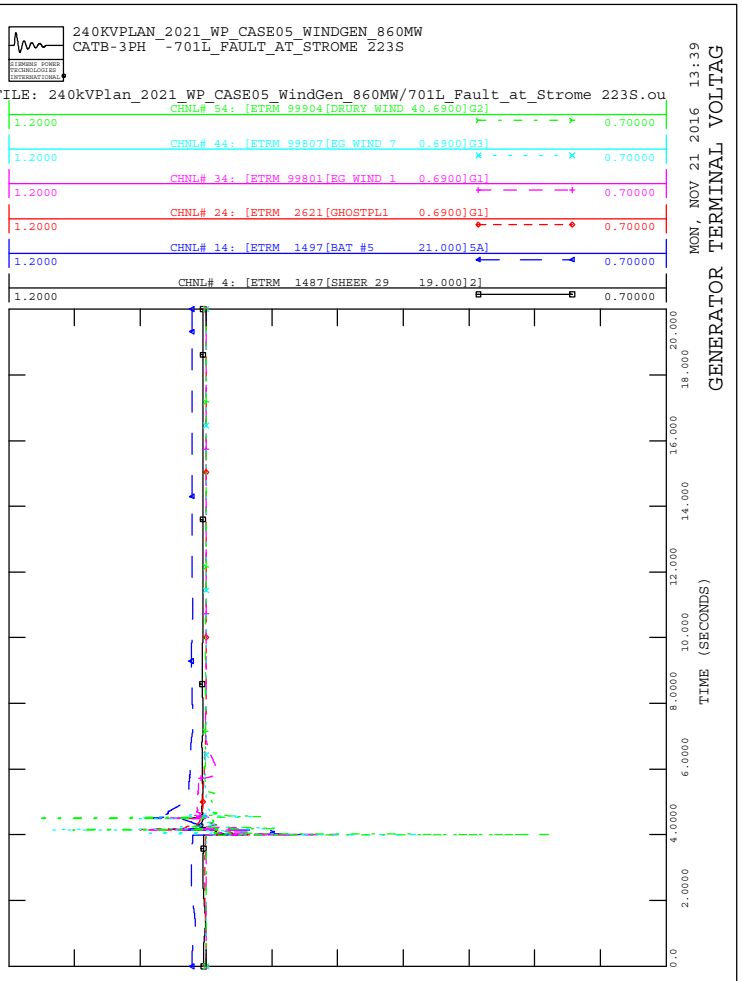
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou

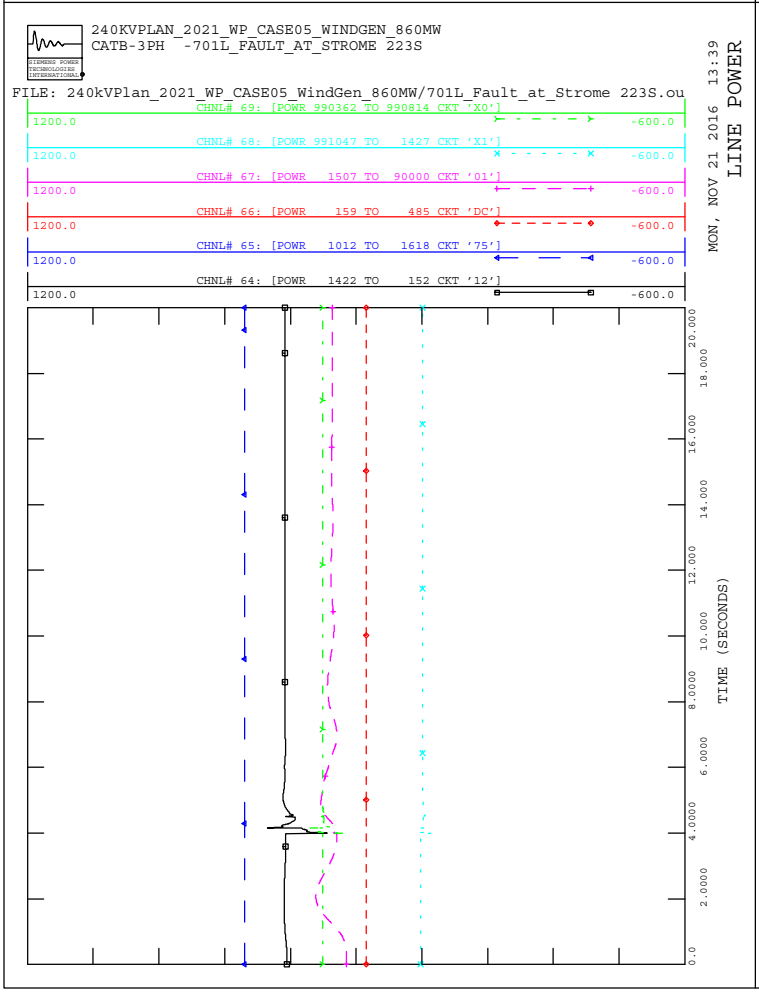
MON, NOV 21 2016 13:39

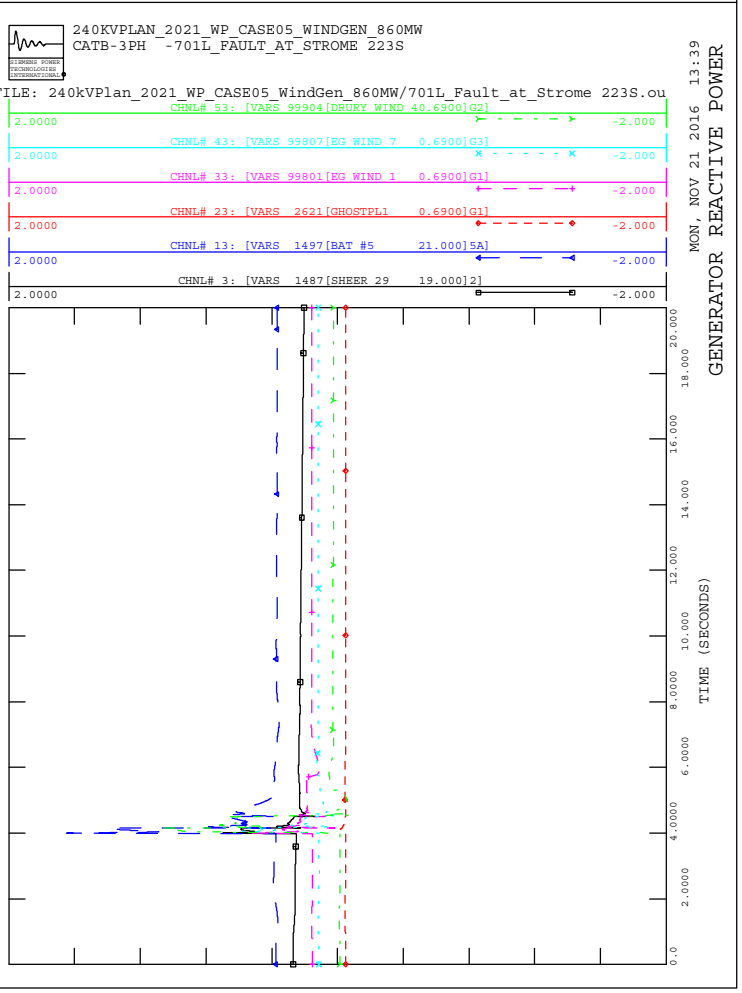
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:39
GENERATOR ACTIVE POWER

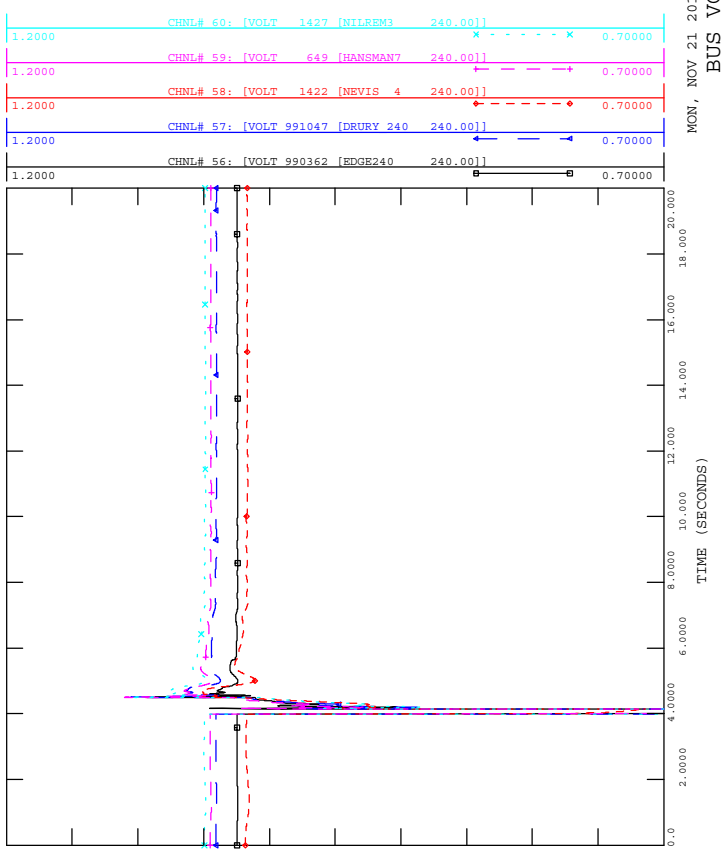

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:39
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:39
LINE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:39
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7

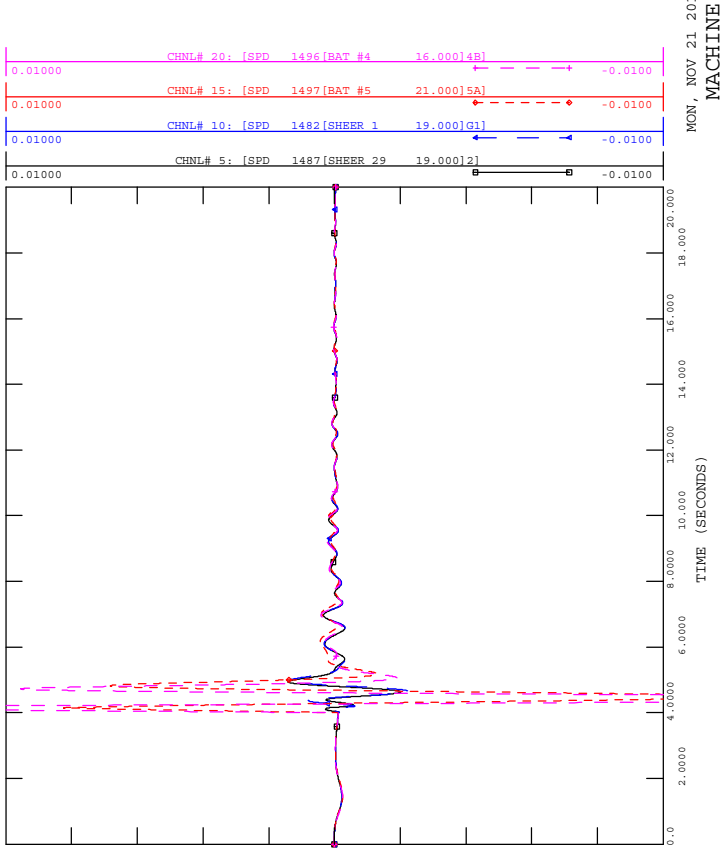


MON, NOV 21 2016 13:39

BUS VOLTAGE

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7

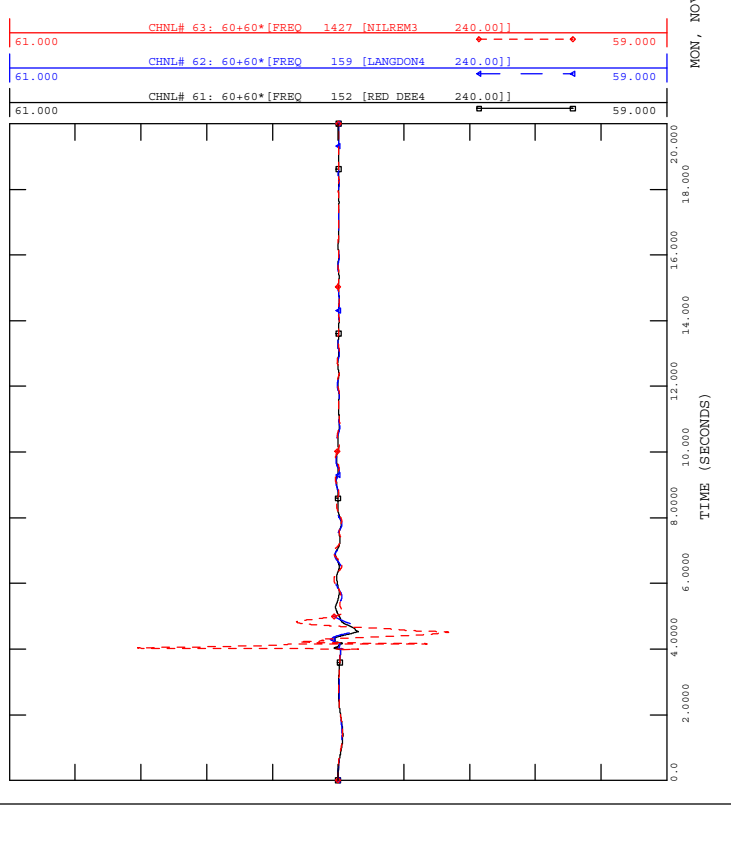


MON, NOV 21 2016 13:39

MACHINE SPEED

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7

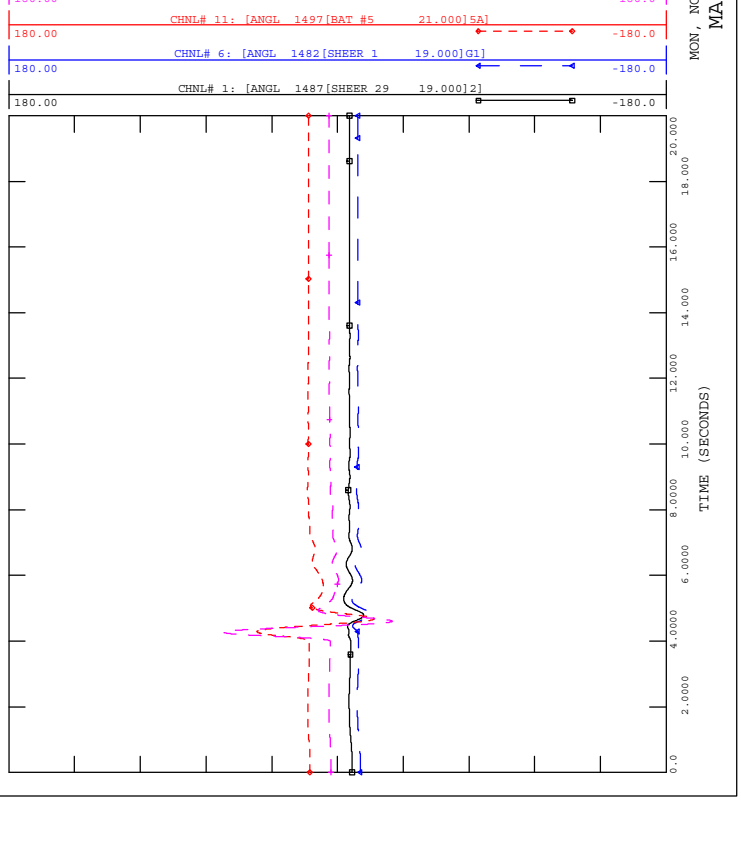


MON, NOV 21 2016 13:39

FREQUENCY

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7



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MACHINE ANGEL

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7

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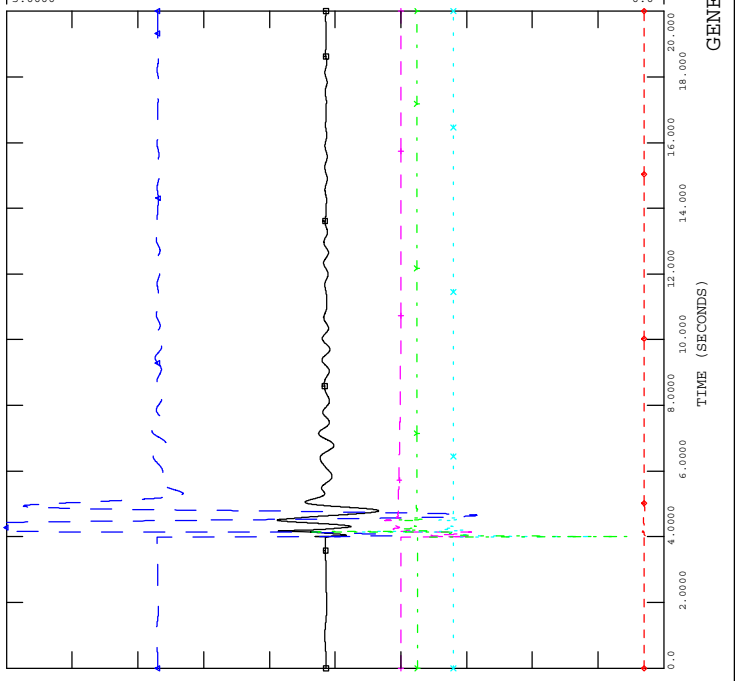
GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7

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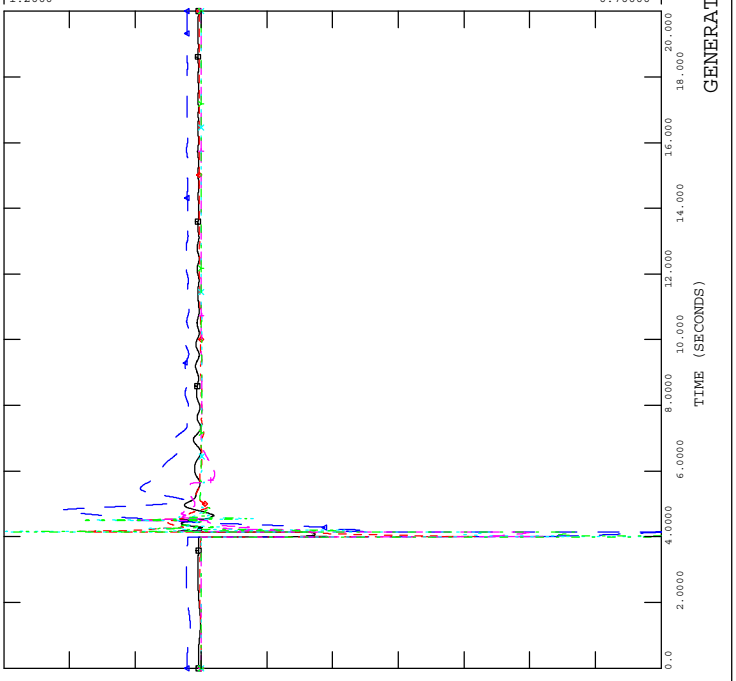
GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7

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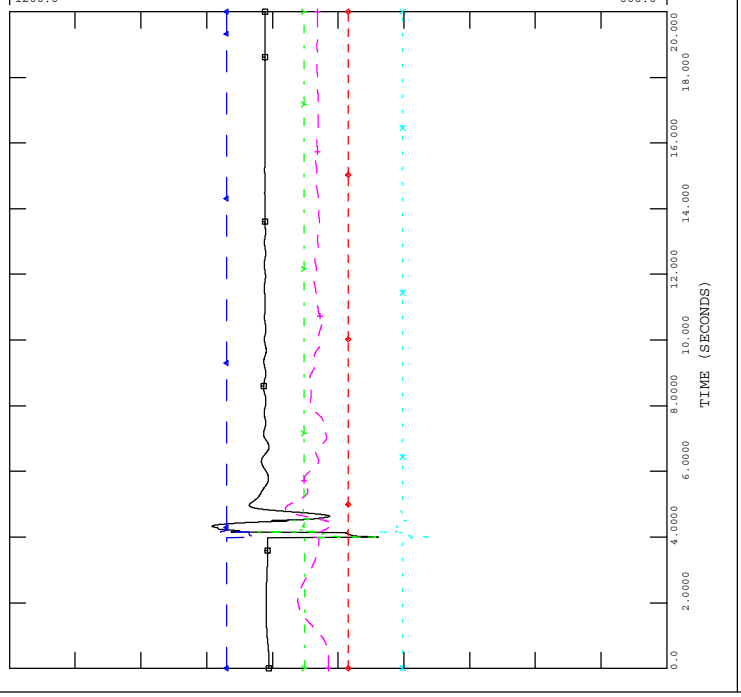
LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7

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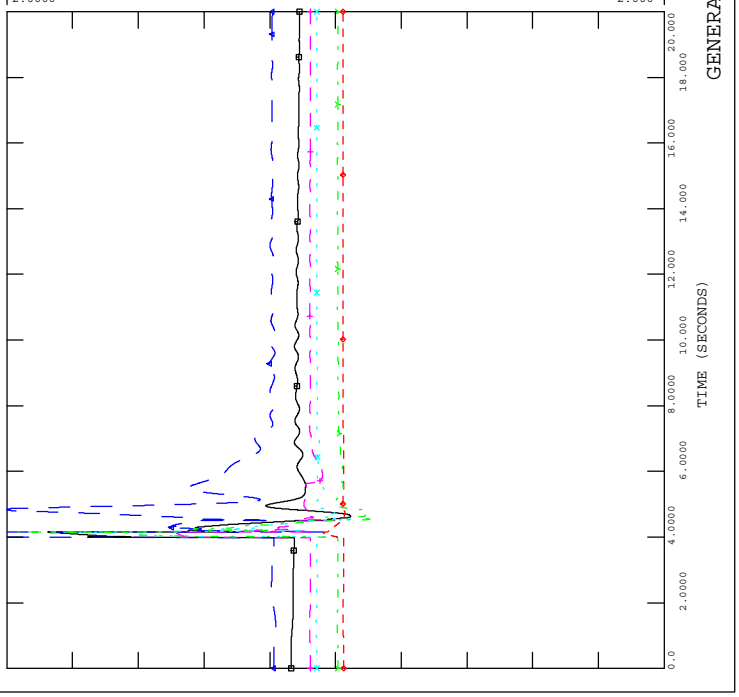
GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.

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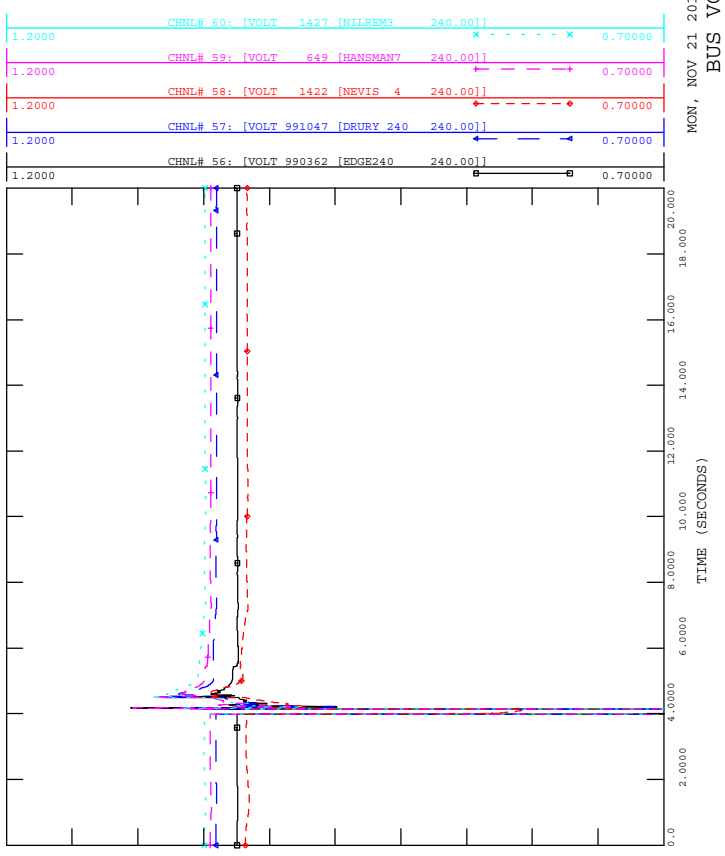
BUS VOLTAGE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.

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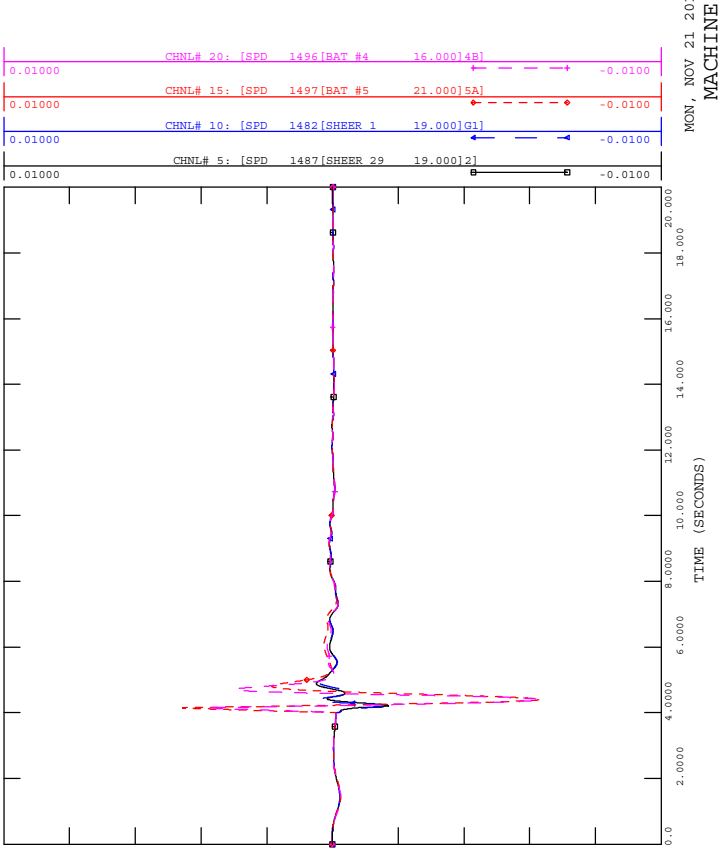
MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.

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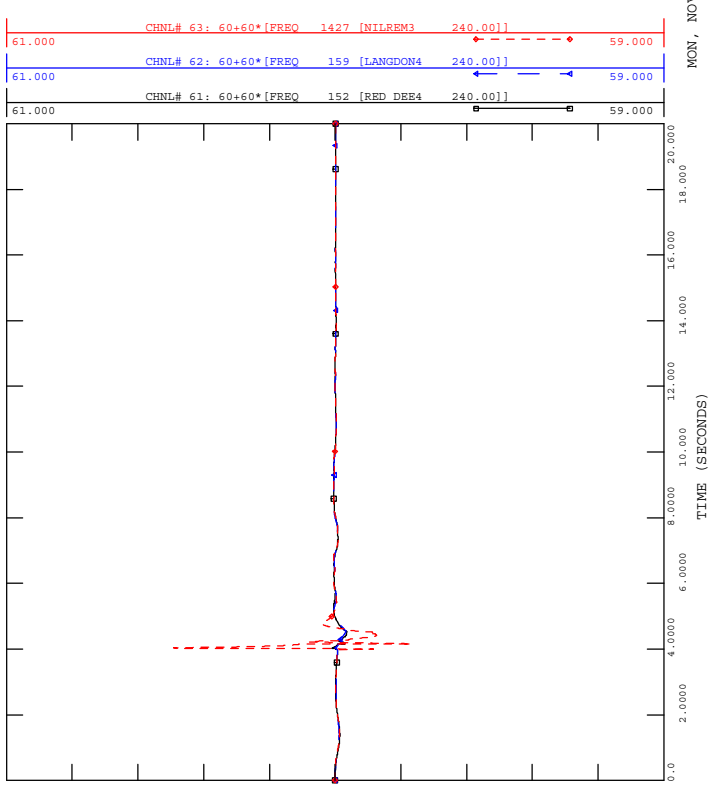
FREQUENCY



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.

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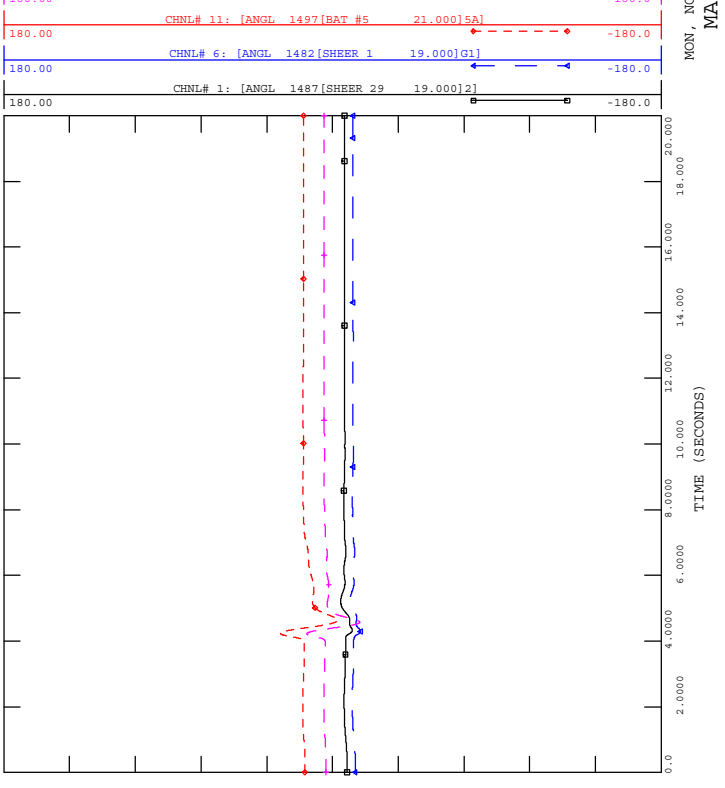
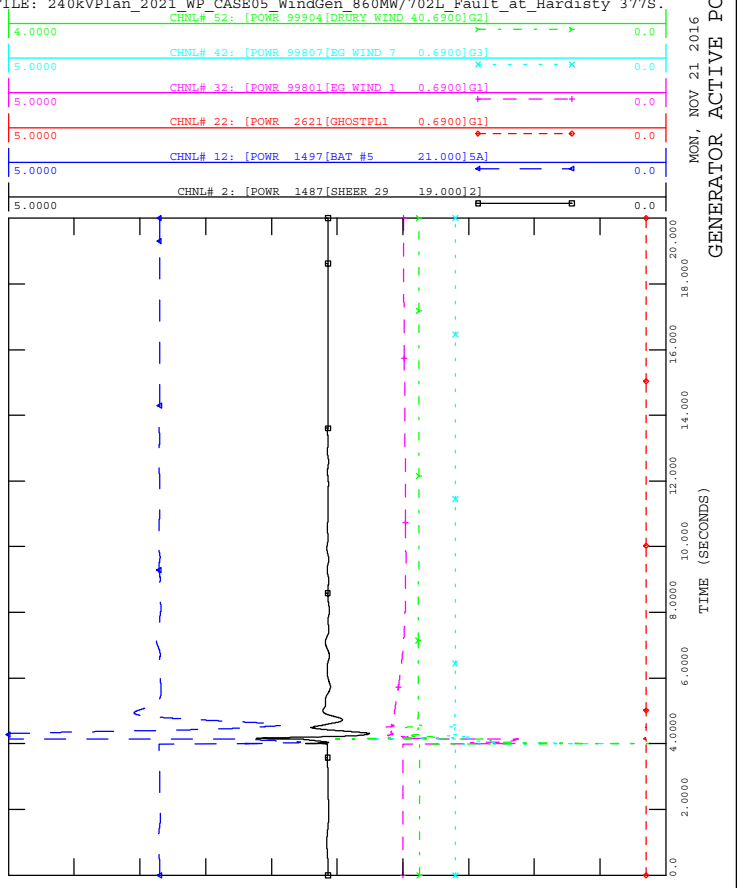
MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.



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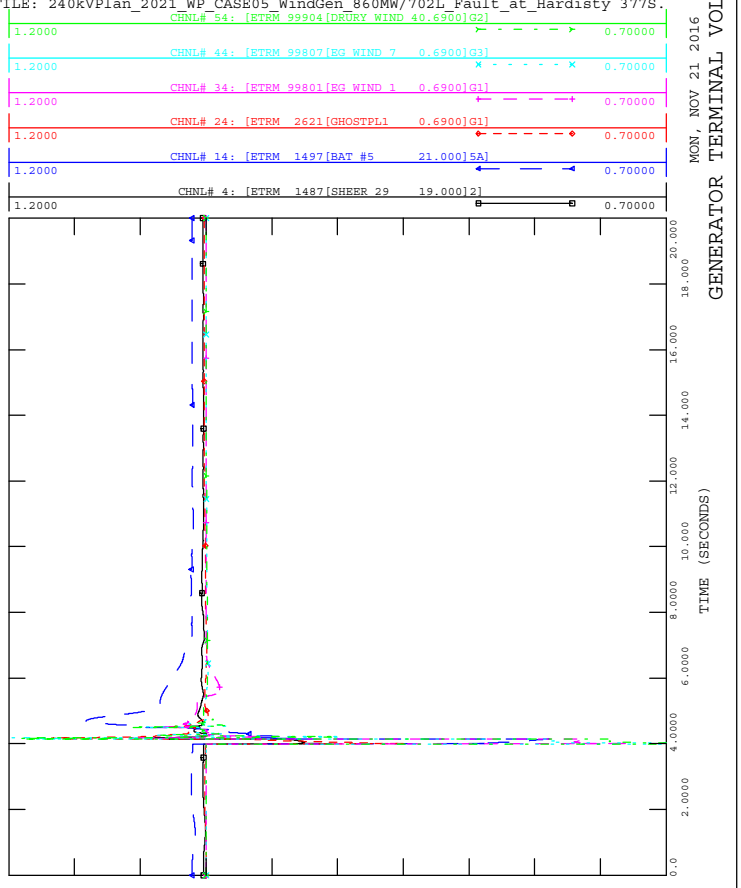
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.



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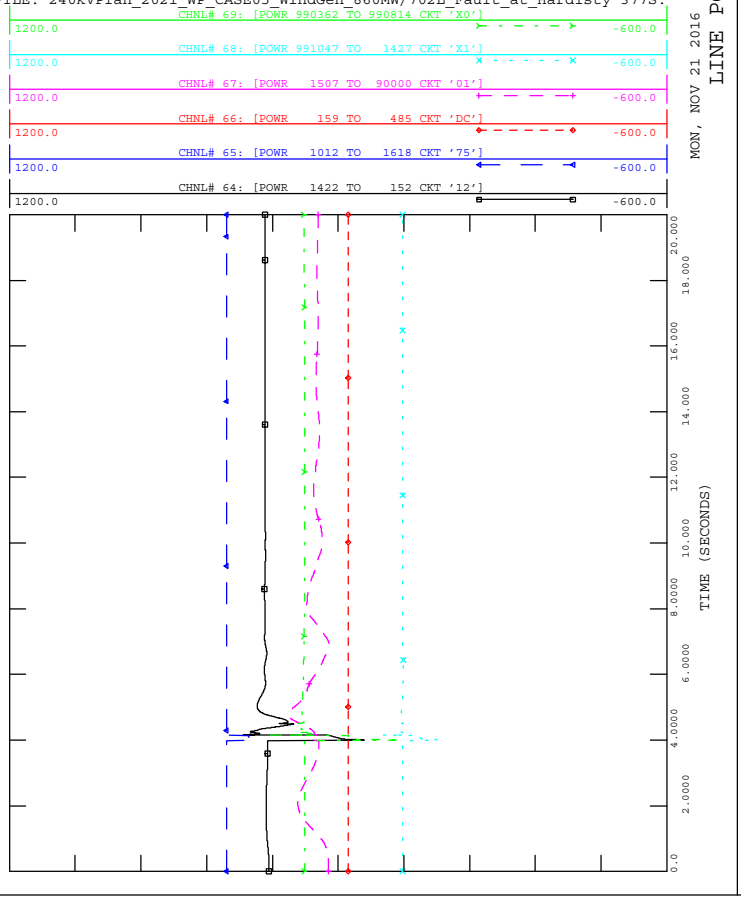
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.



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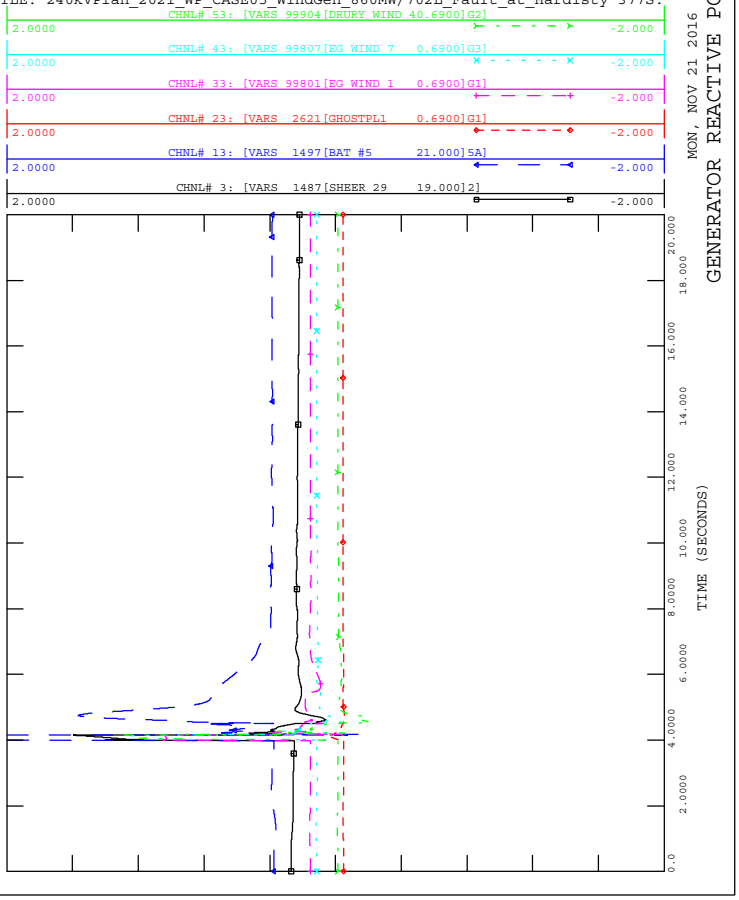
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.



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GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.

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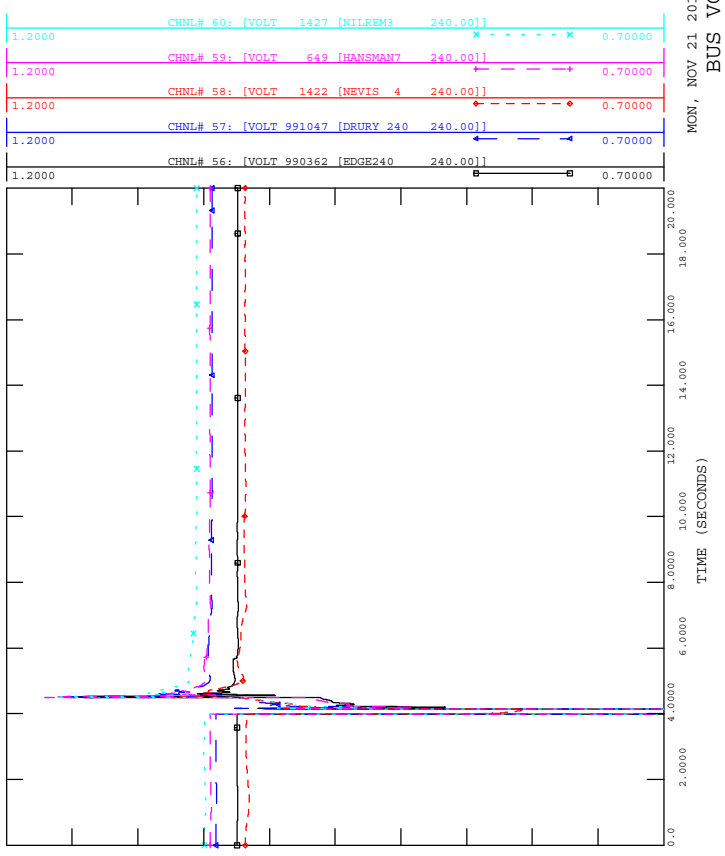
BUS VOLTAGE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.

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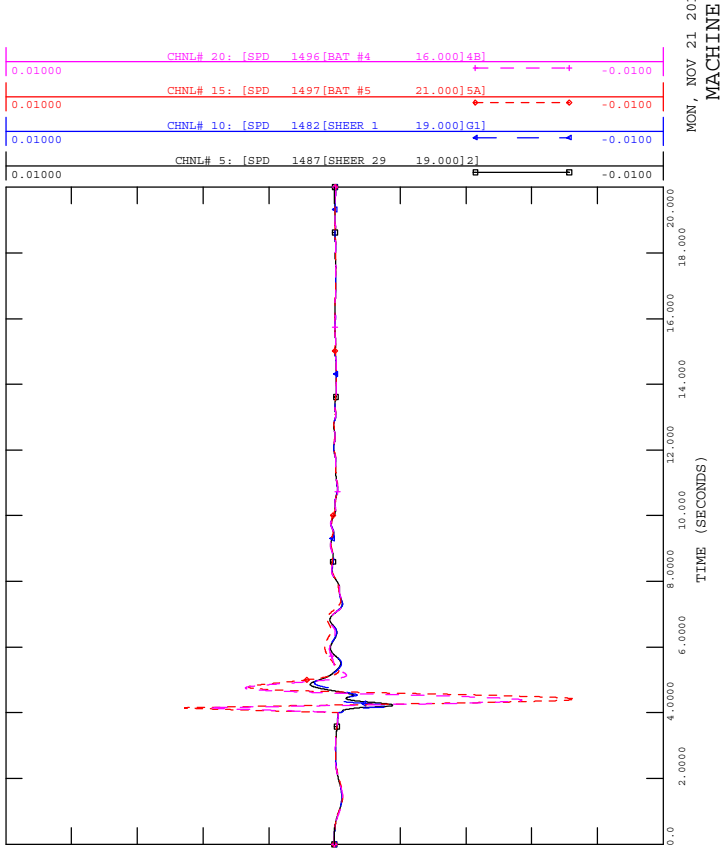
MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.

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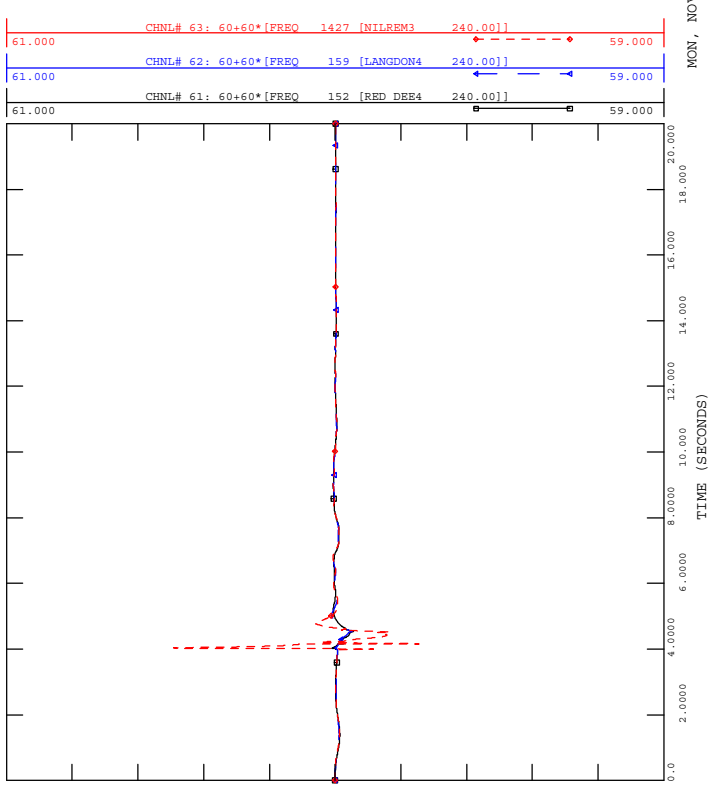
FREQUENCY



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.

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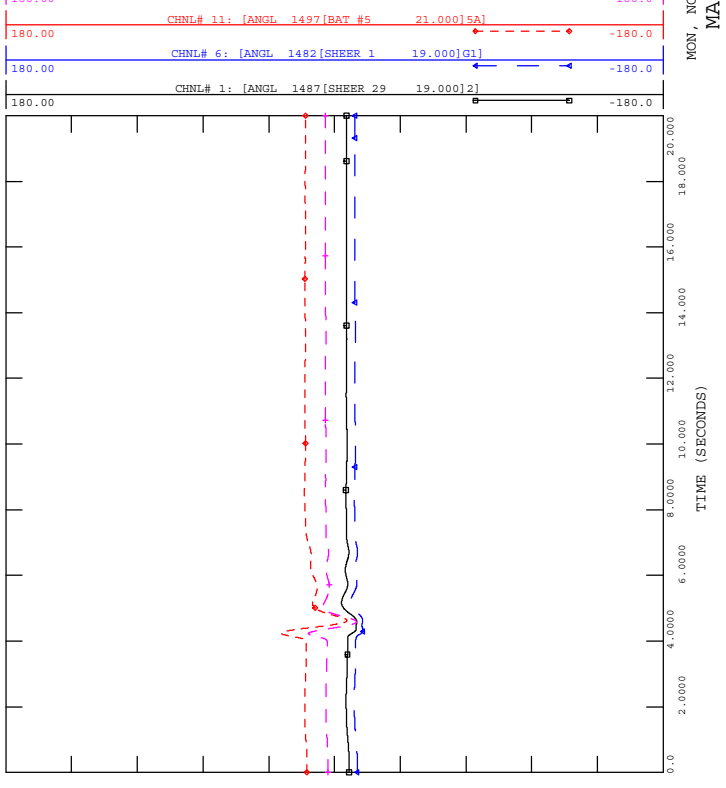
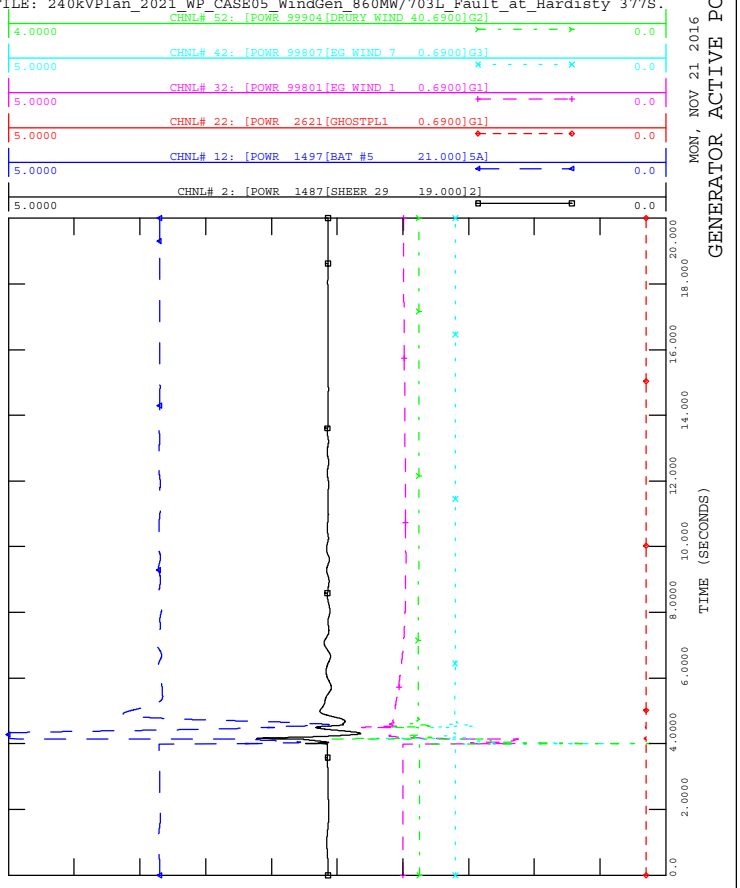
MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

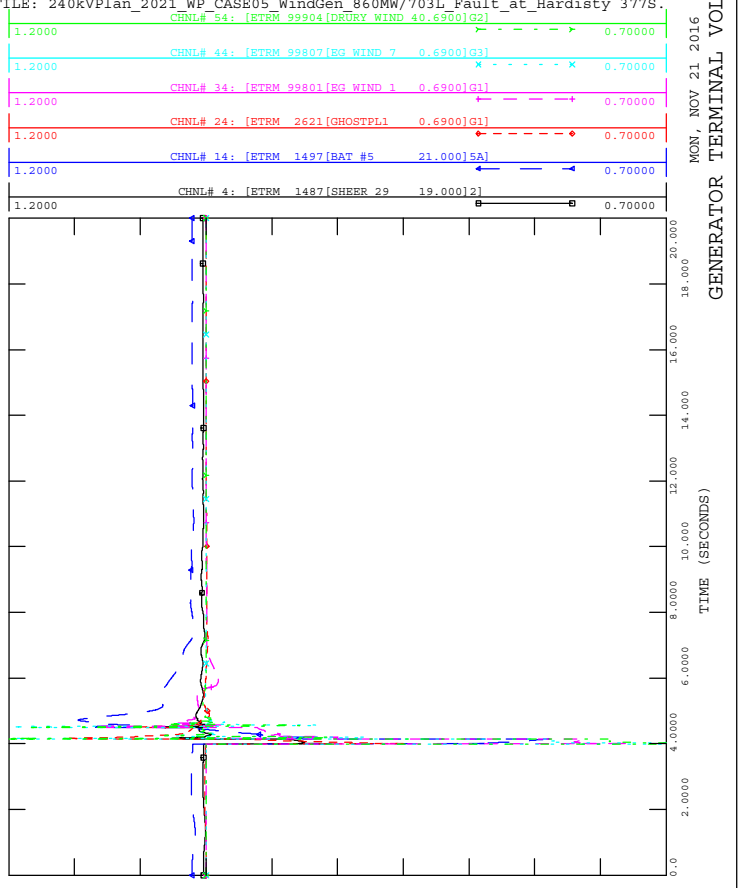
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.



MON, NOV 21 2016 13:39
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

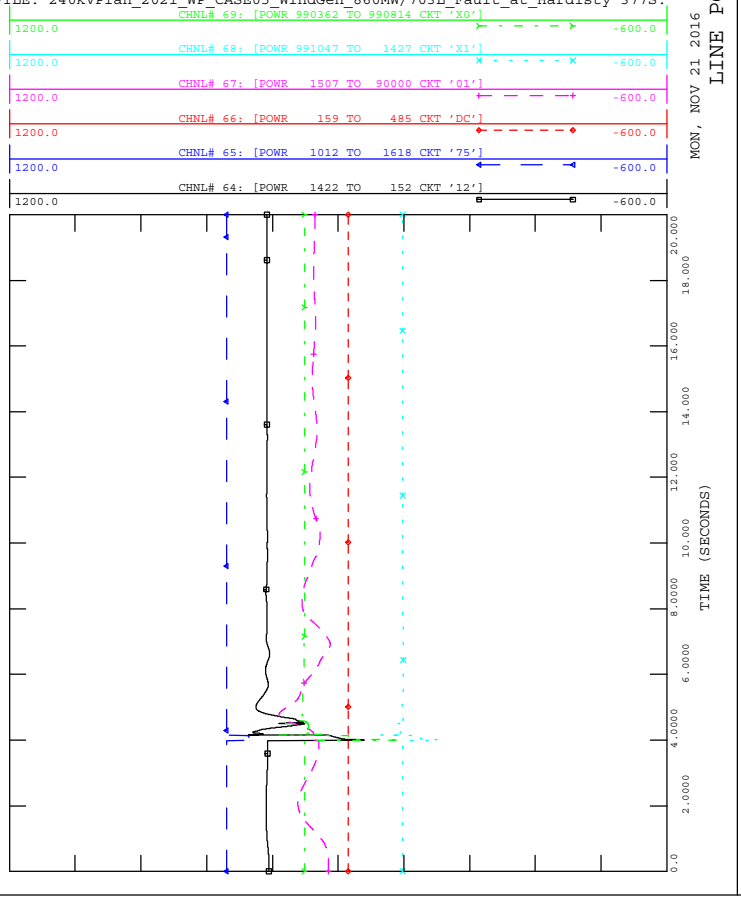
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.



MON, NOV 21 2016 13:39
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

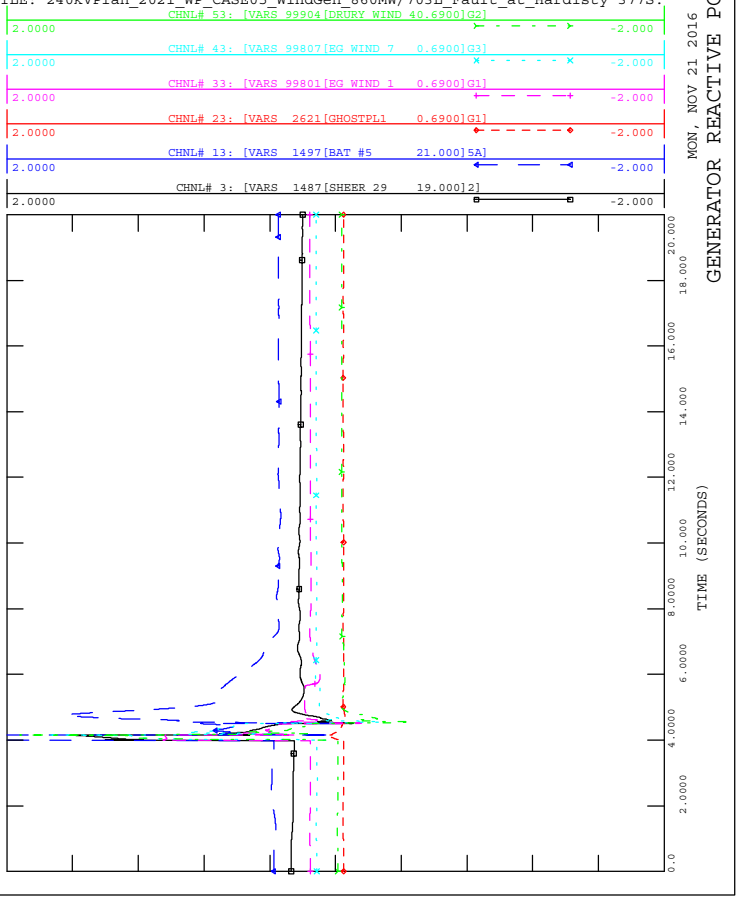
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.



MON, NOV 21 2016 13:39
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.



MON, NOV 21 2016 13:39
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S

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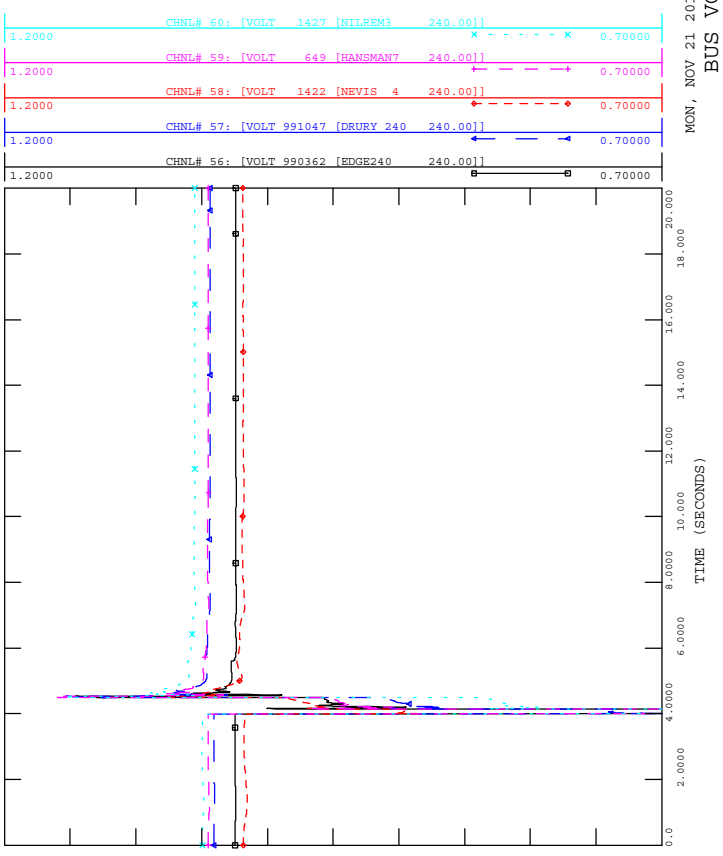
BUS VOLTAGE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S

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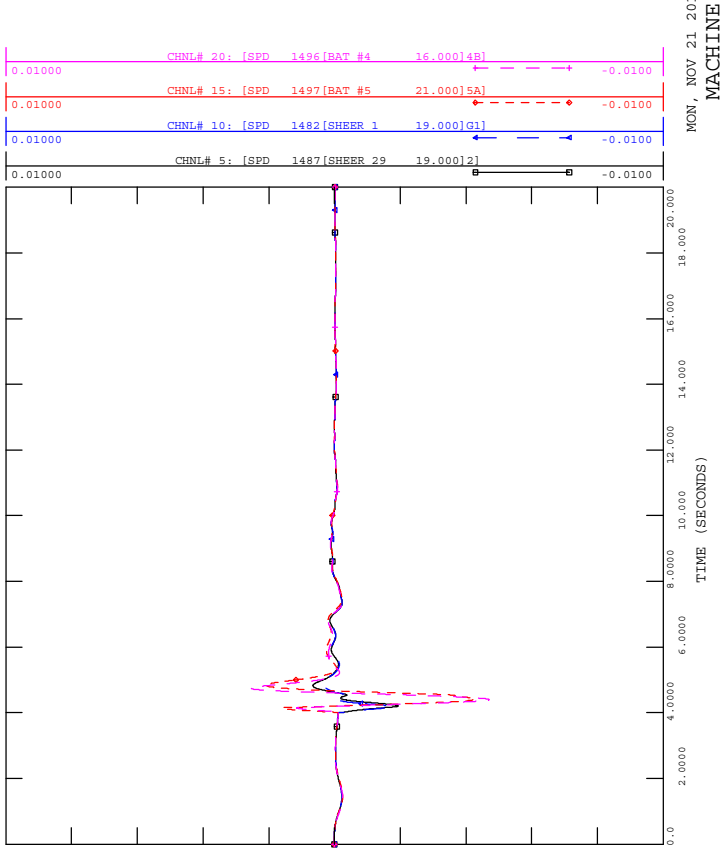
MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S

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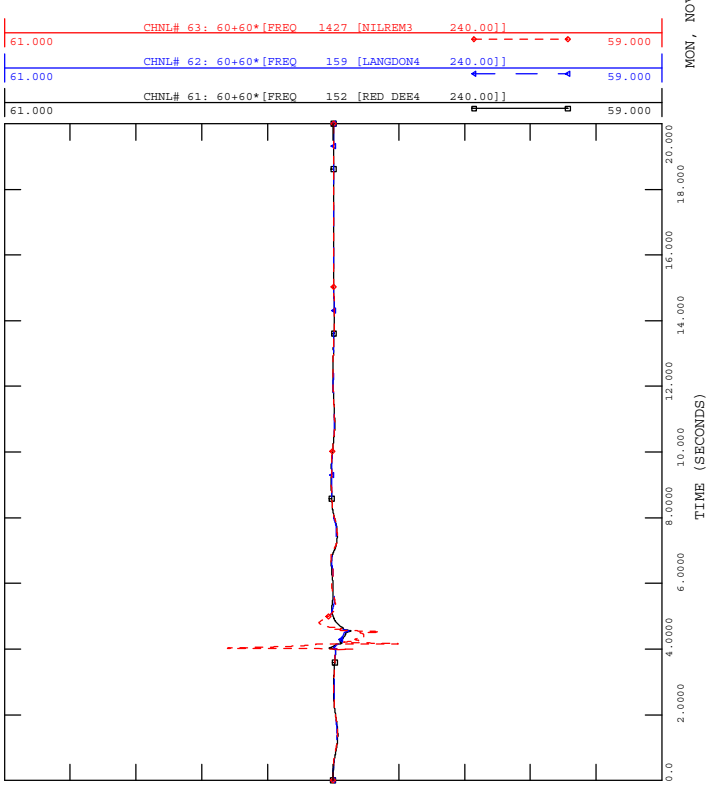
FREQUENCY



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S

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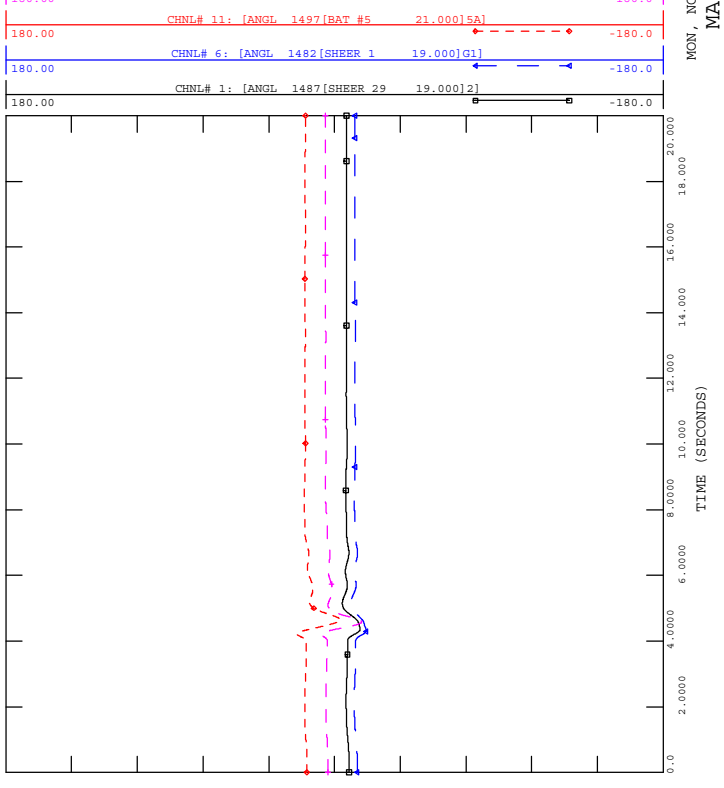
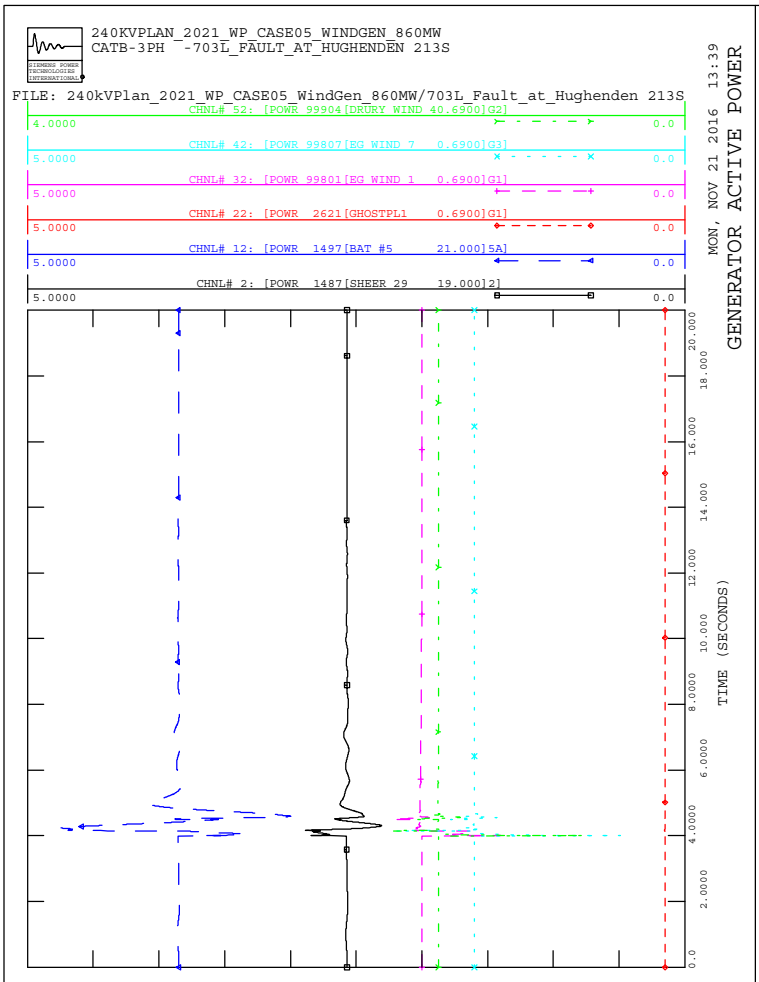
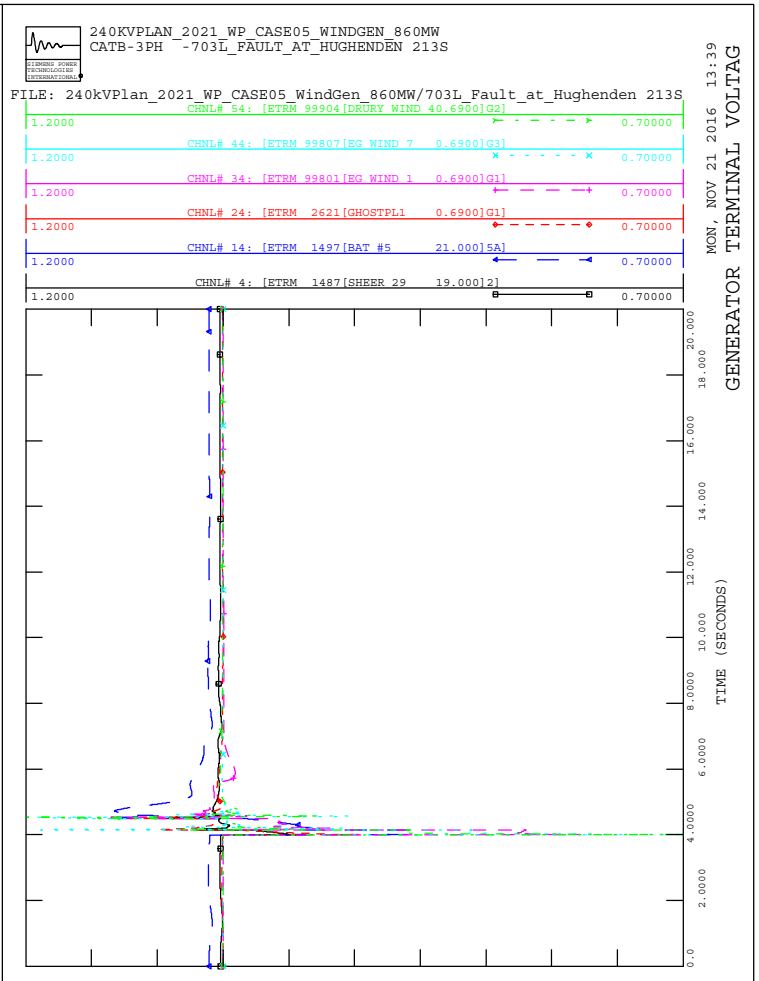
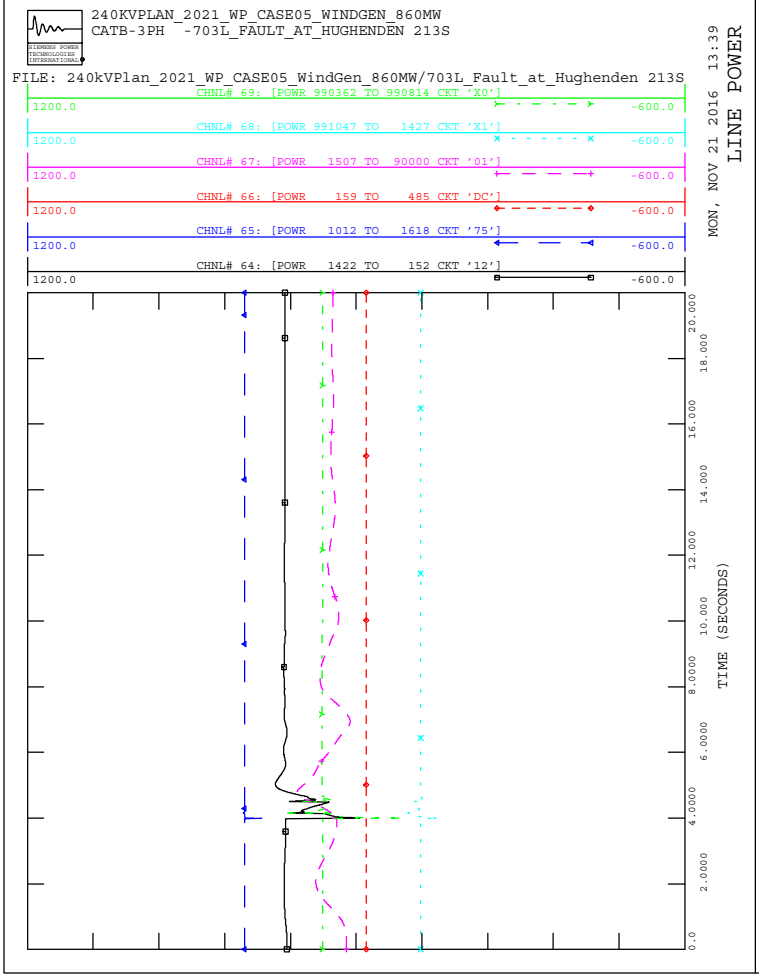
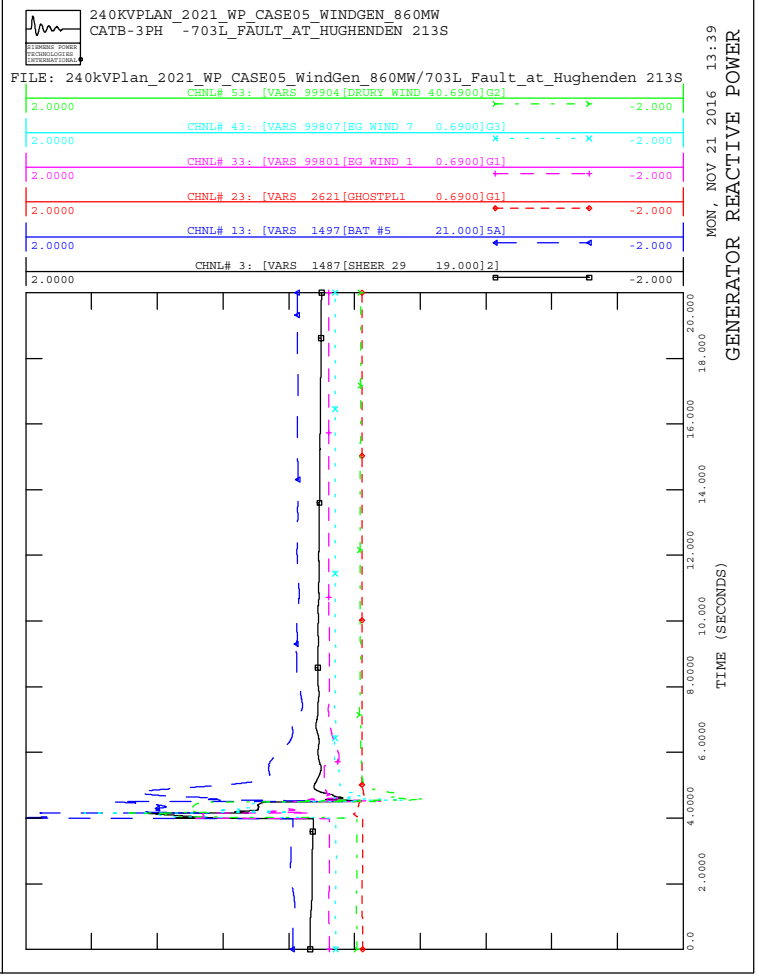
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:39
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:39
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:39
LINE POWER
TIME (SECONDS)

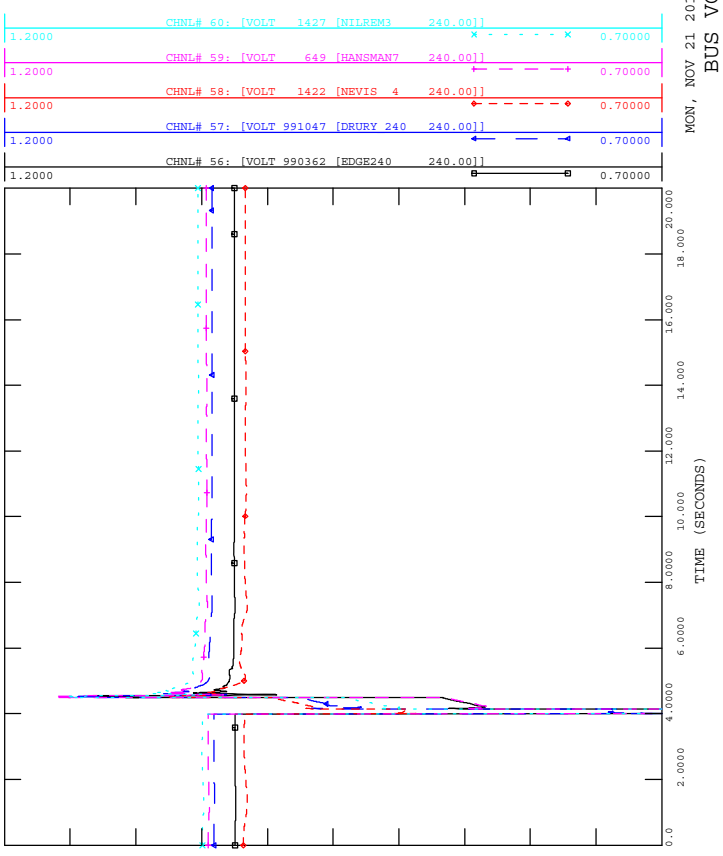

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -703L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:39
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S

MON, NOV 21 2016 13:39

BUS VOLTAGE

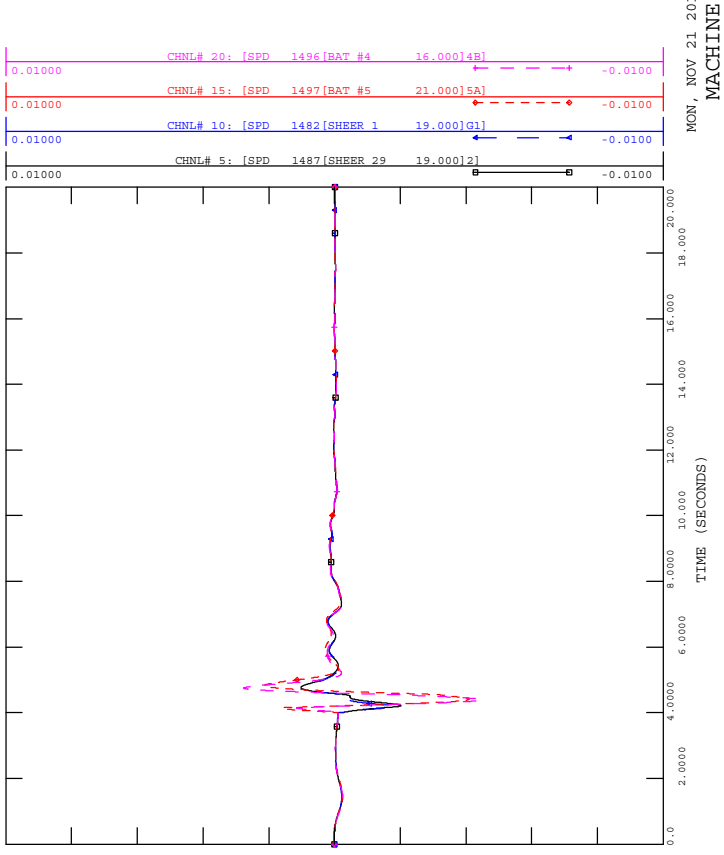


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S

MON, NOV 21 2016 13:40

MACHINE SPEED

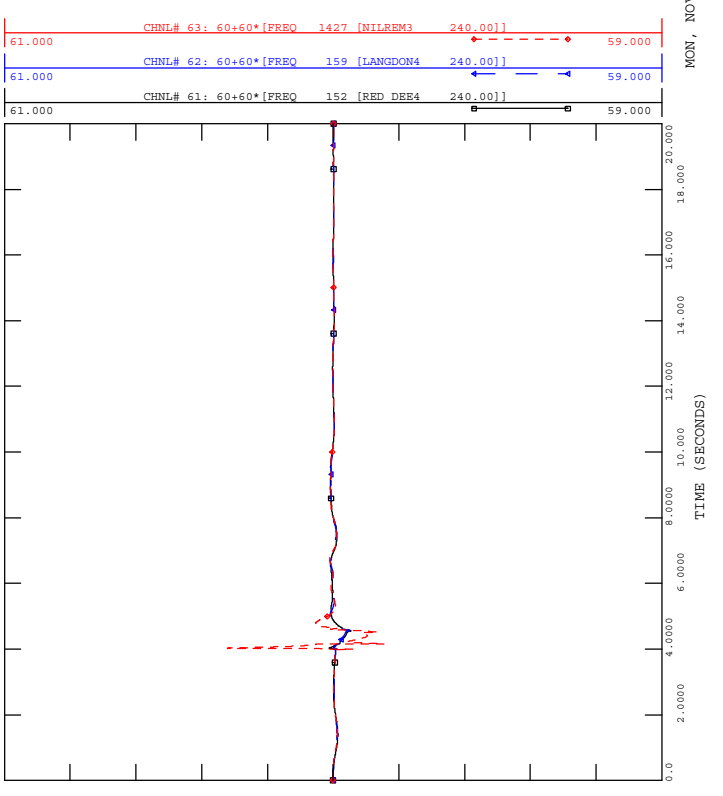


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S

MON, NOV 21 2016 13:39

FREQUENCY

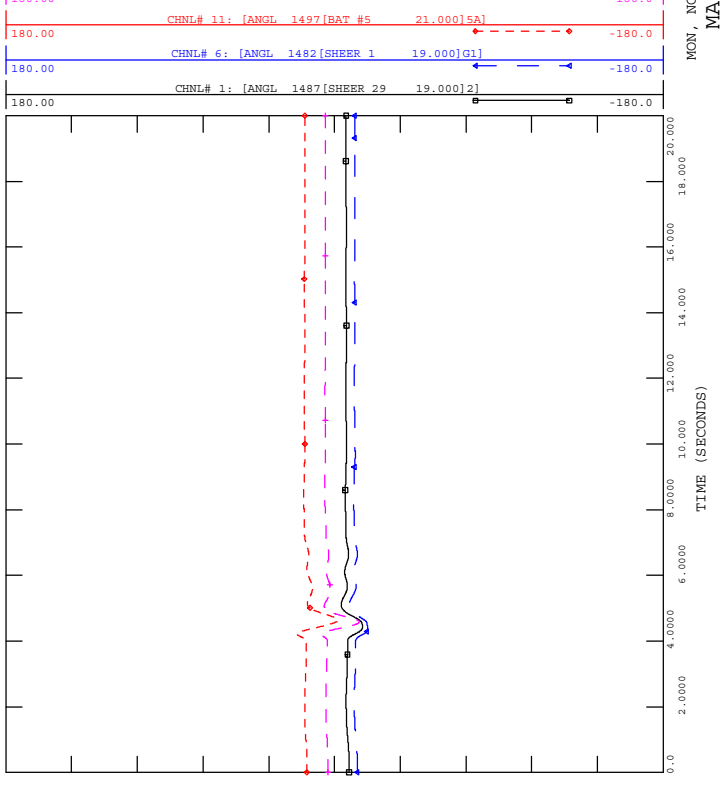


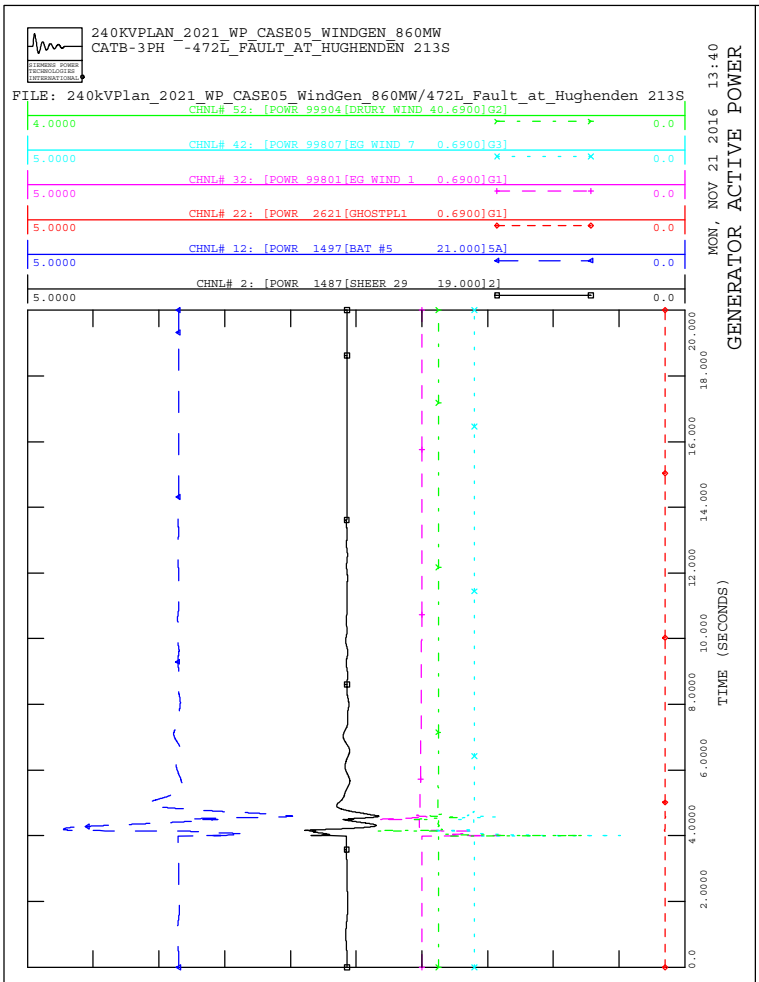
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S

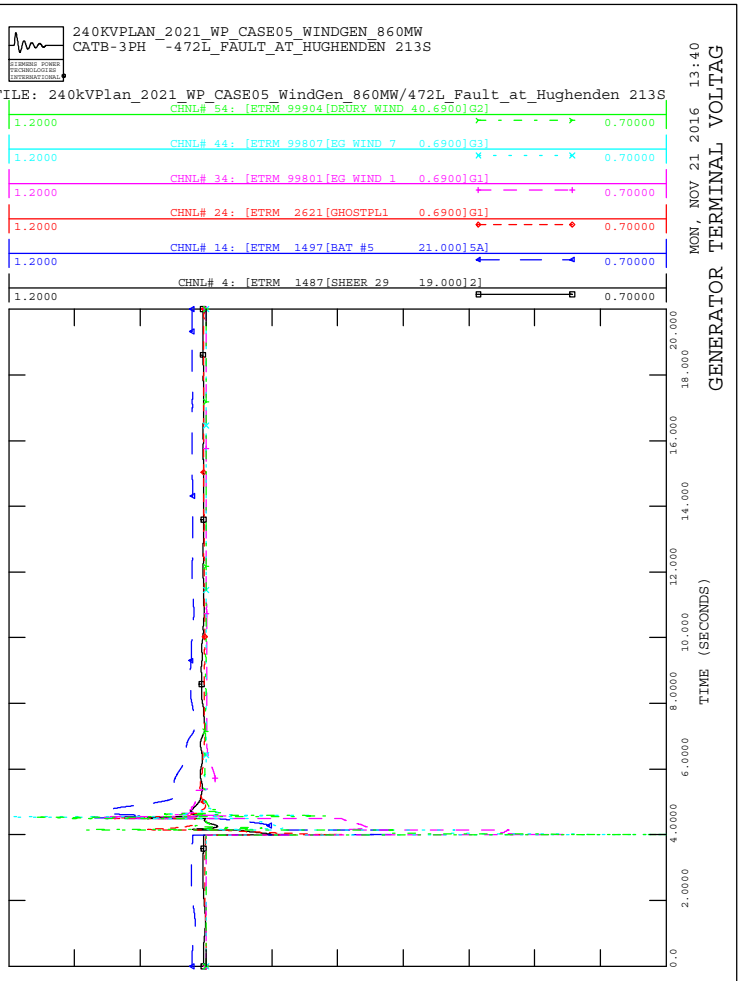
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S

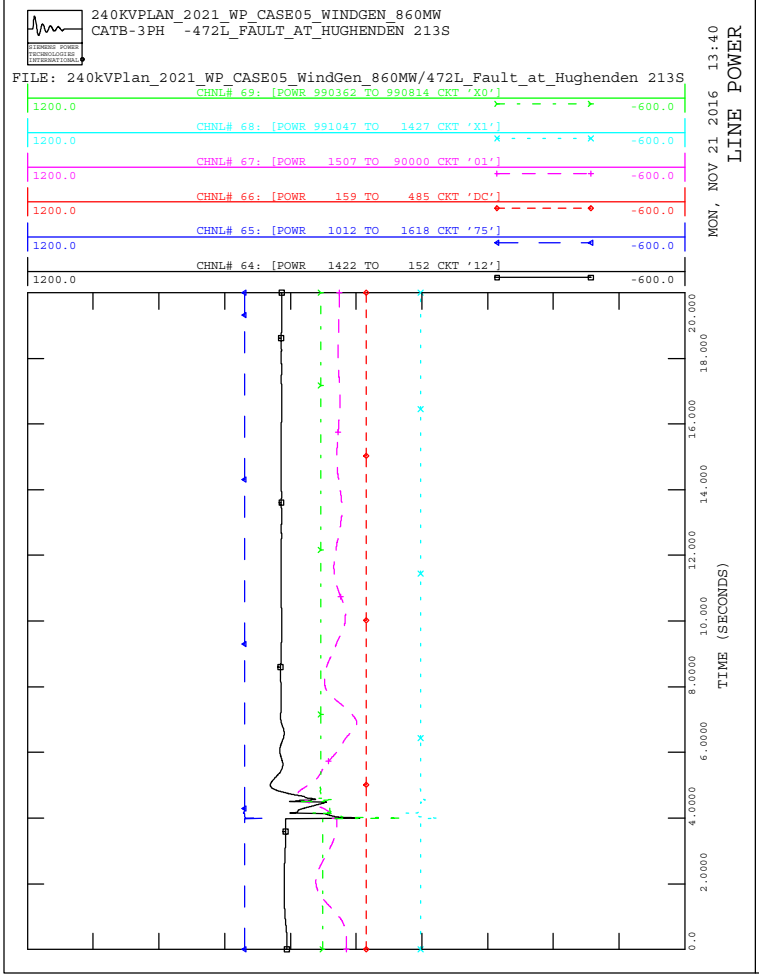
MON, NOV 21 2016 13:40

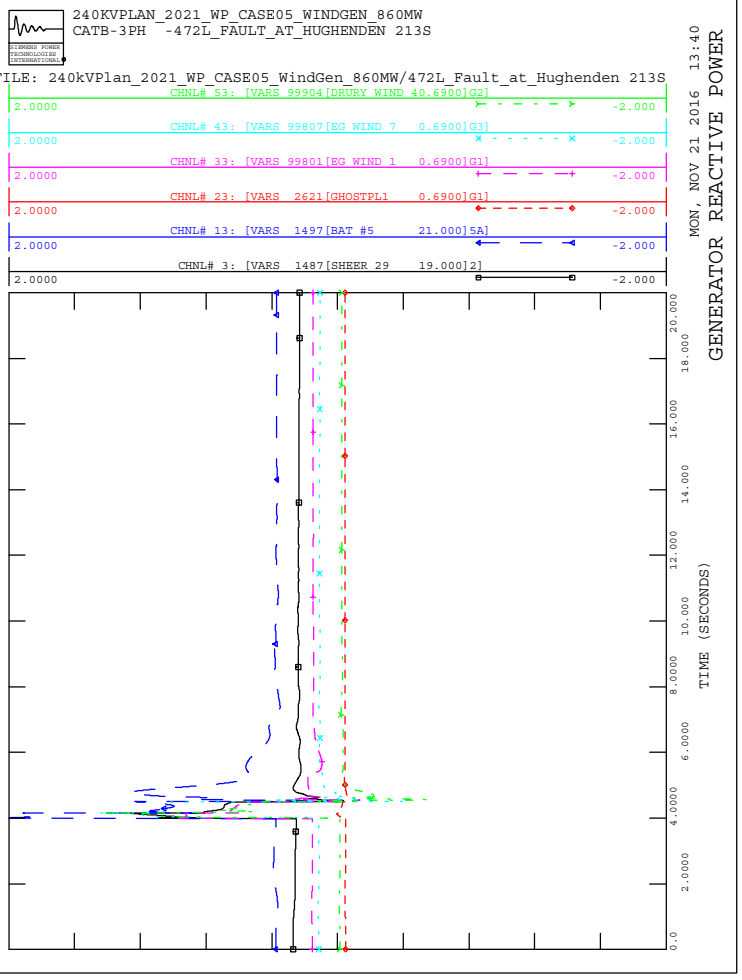
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

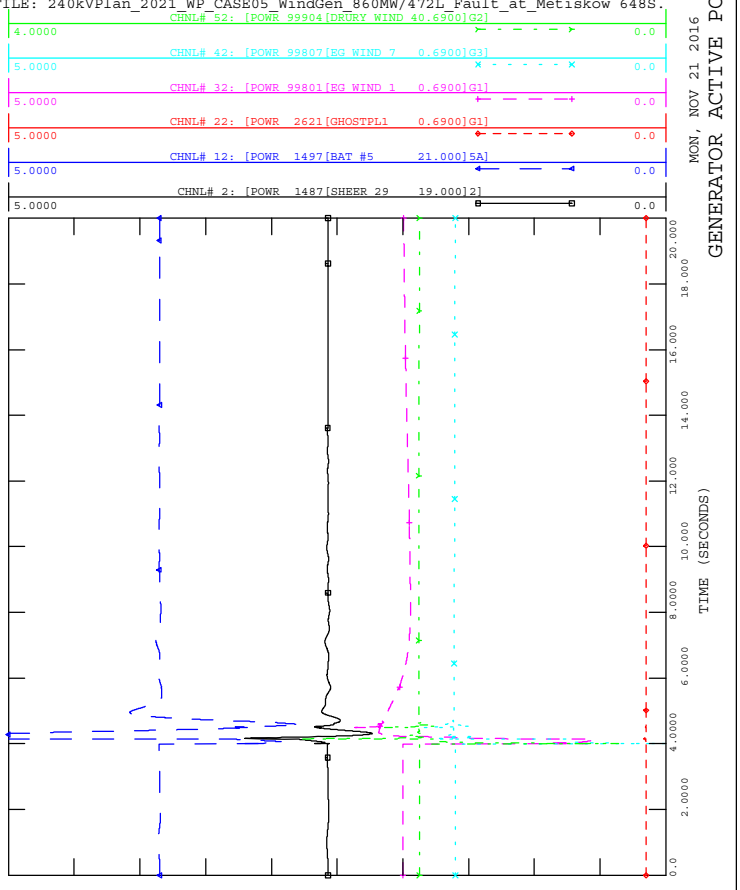
180.00 / -180.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

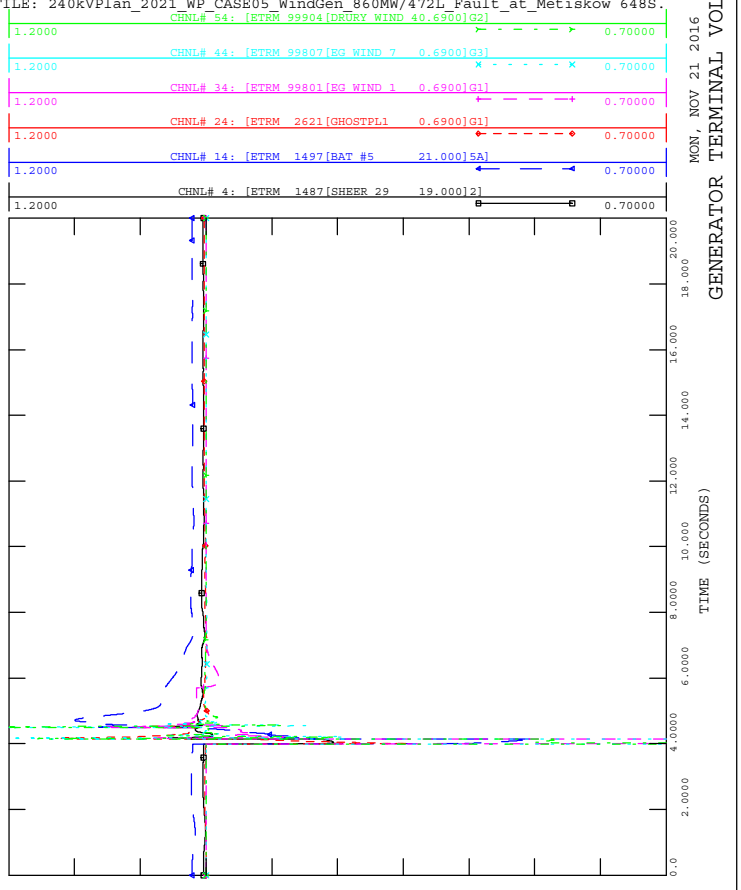
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

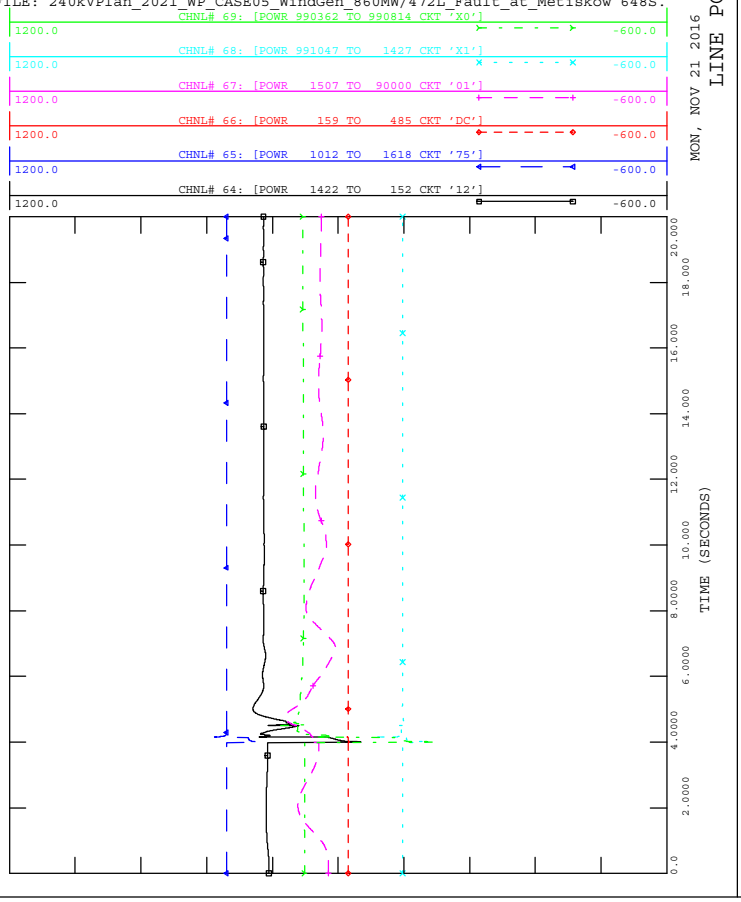
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

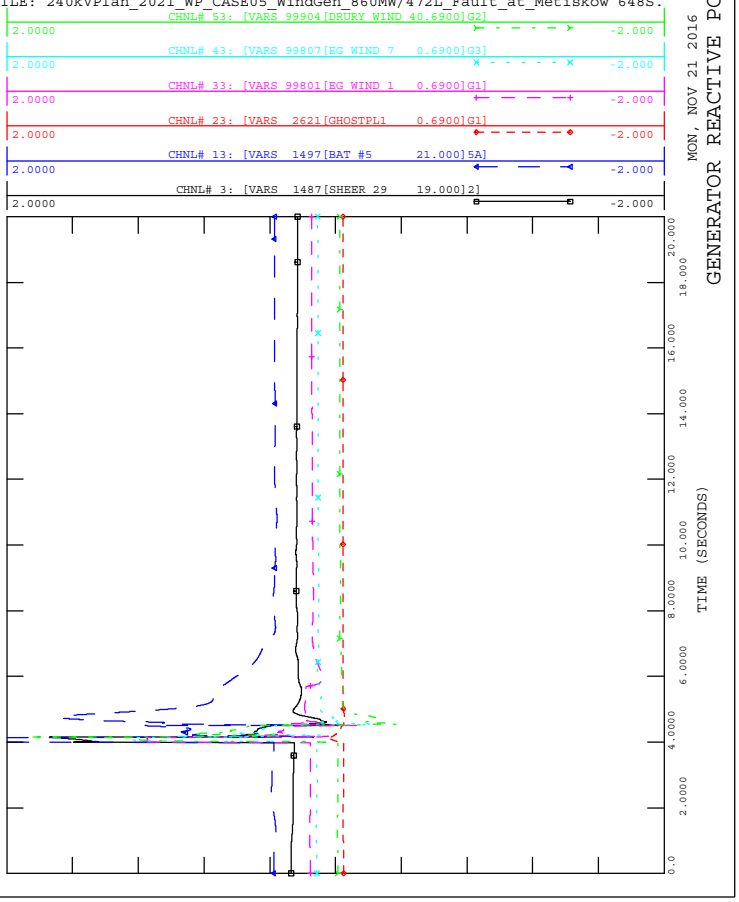
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.



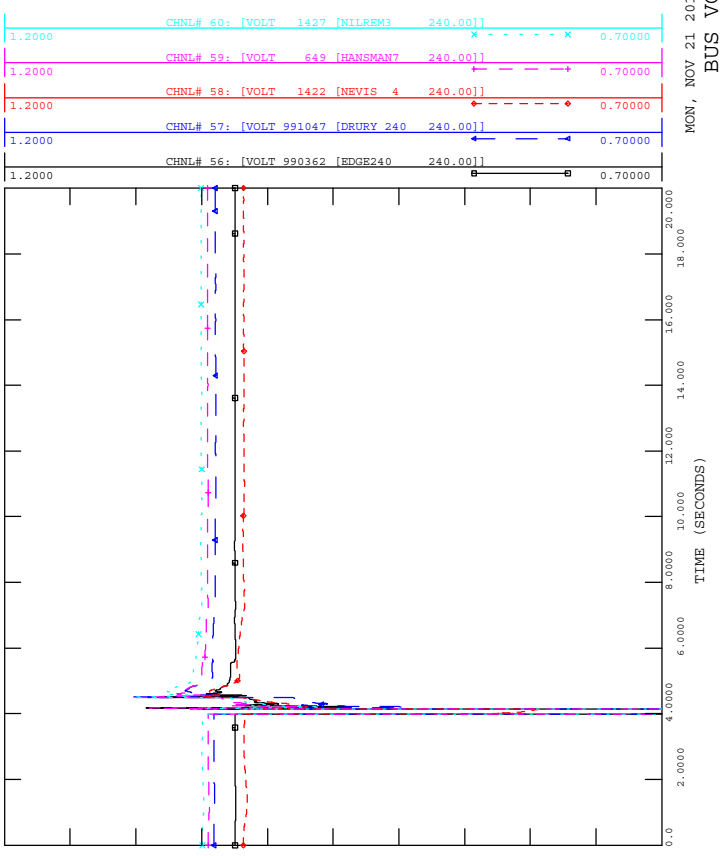
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

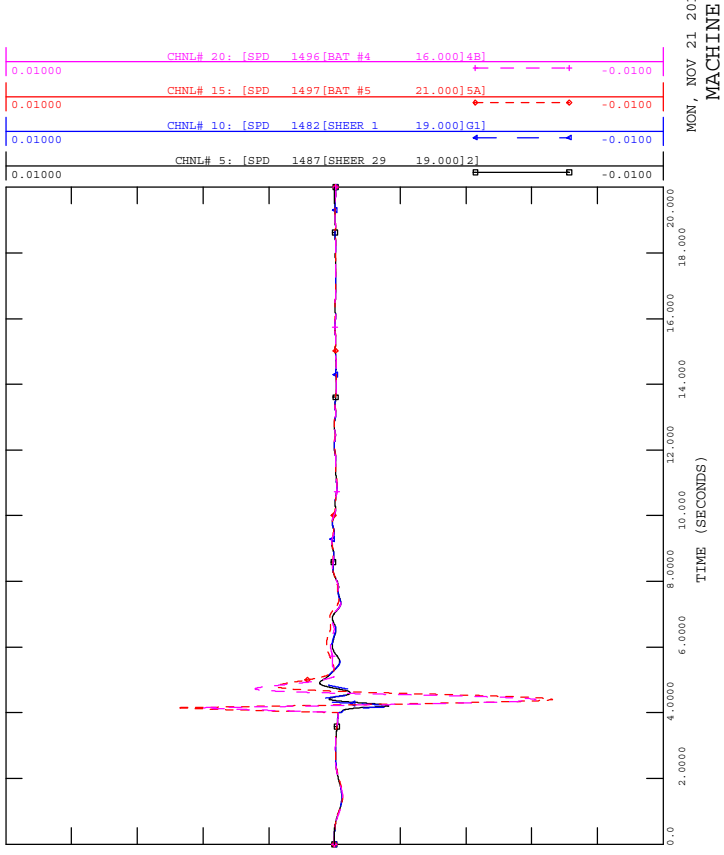


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 13:40

MACHINE SPEED

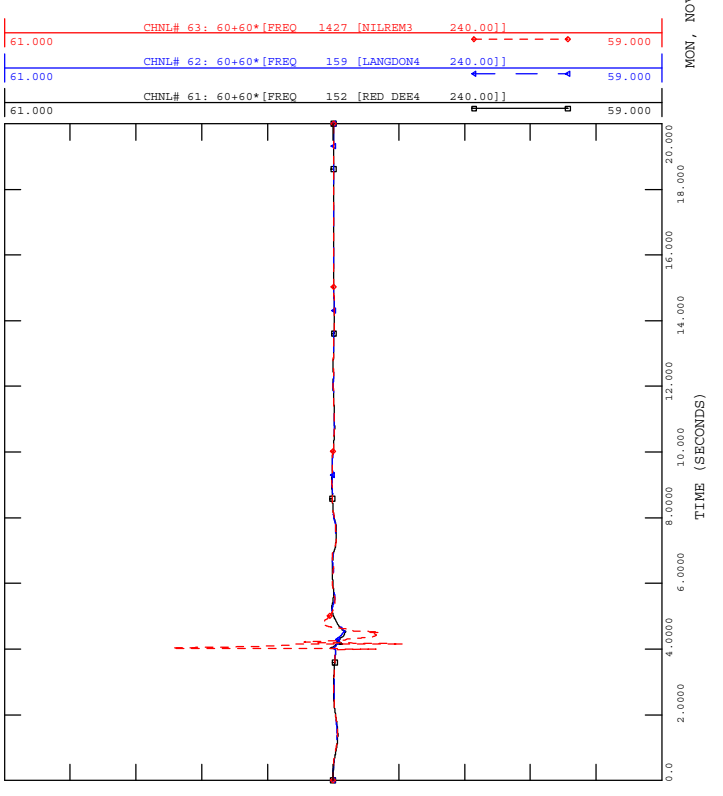


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 13:40

FREQUENCY

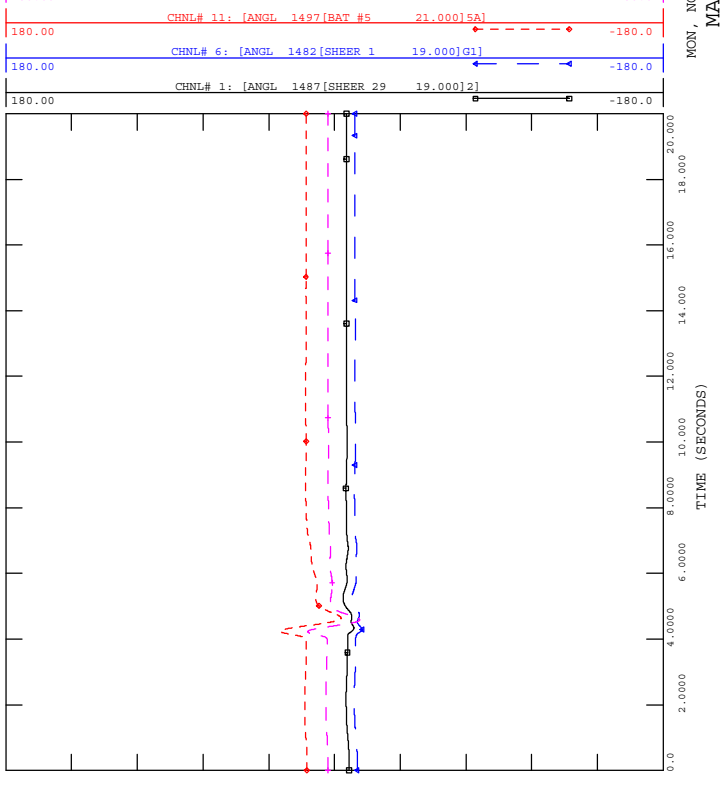


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

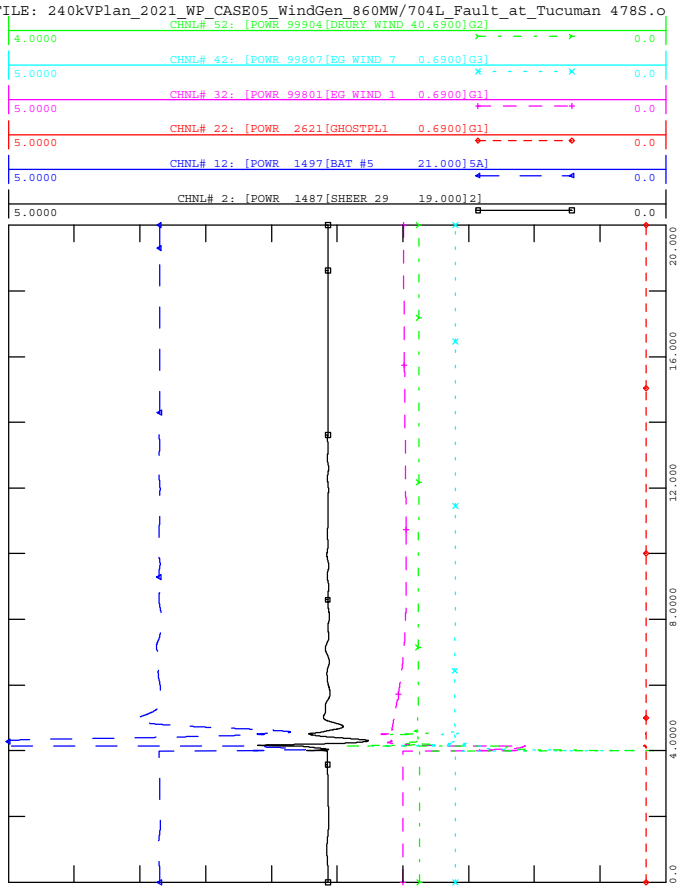
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

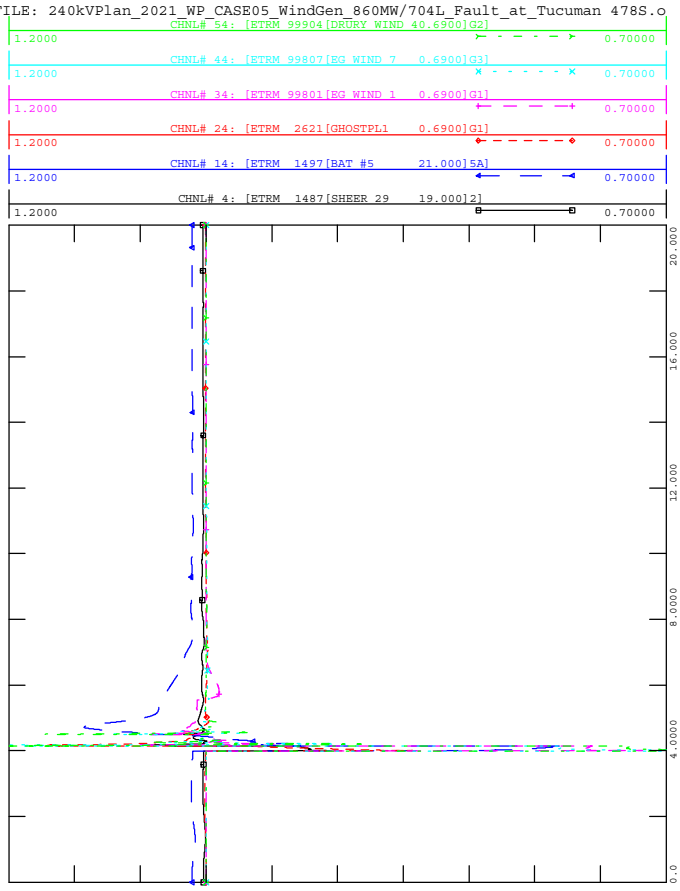


MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

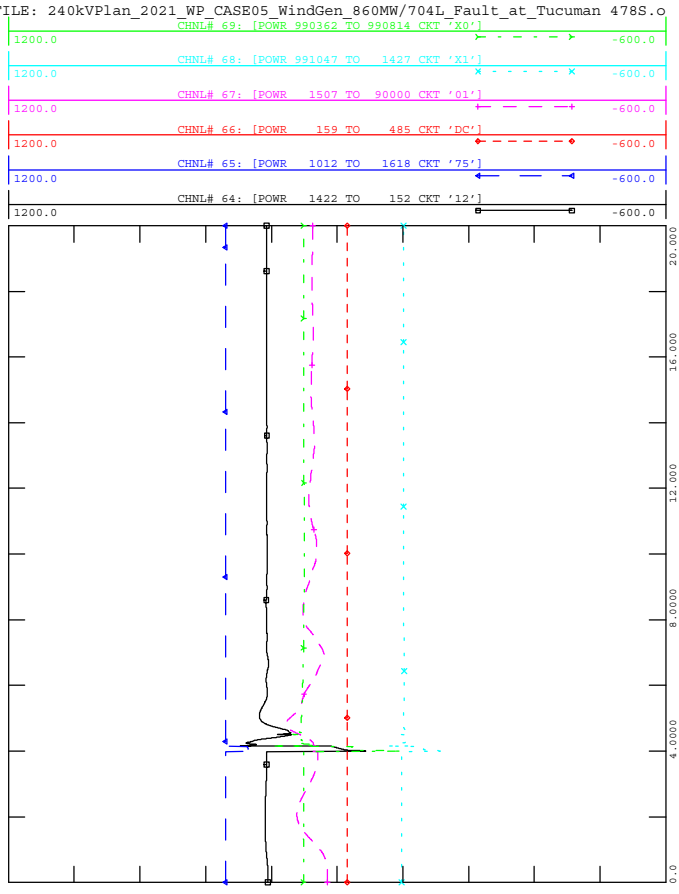


MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

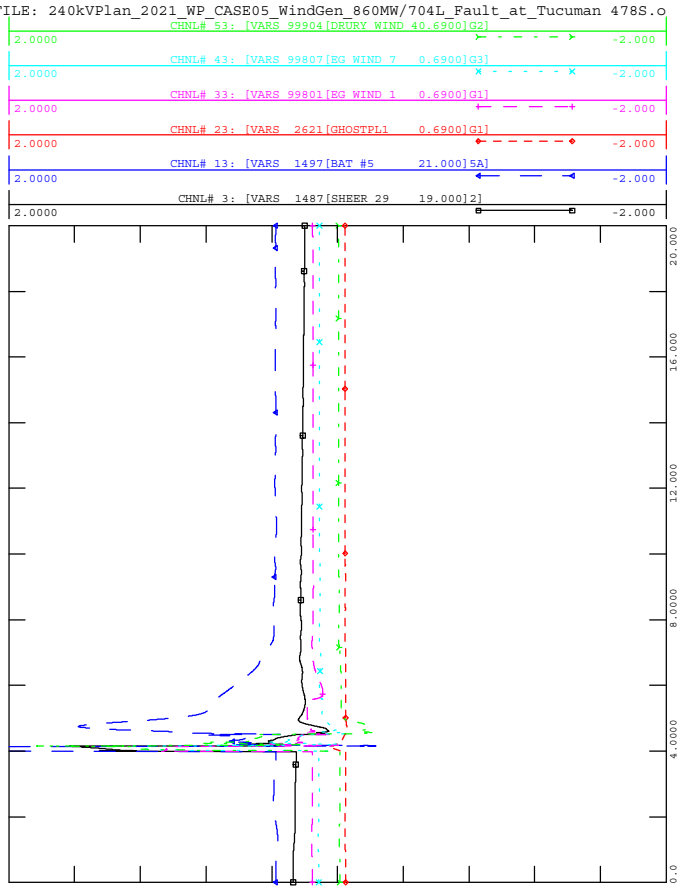


MON, NOV 21 2016 13:40

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o



MON, NOV 21 2016 13:40

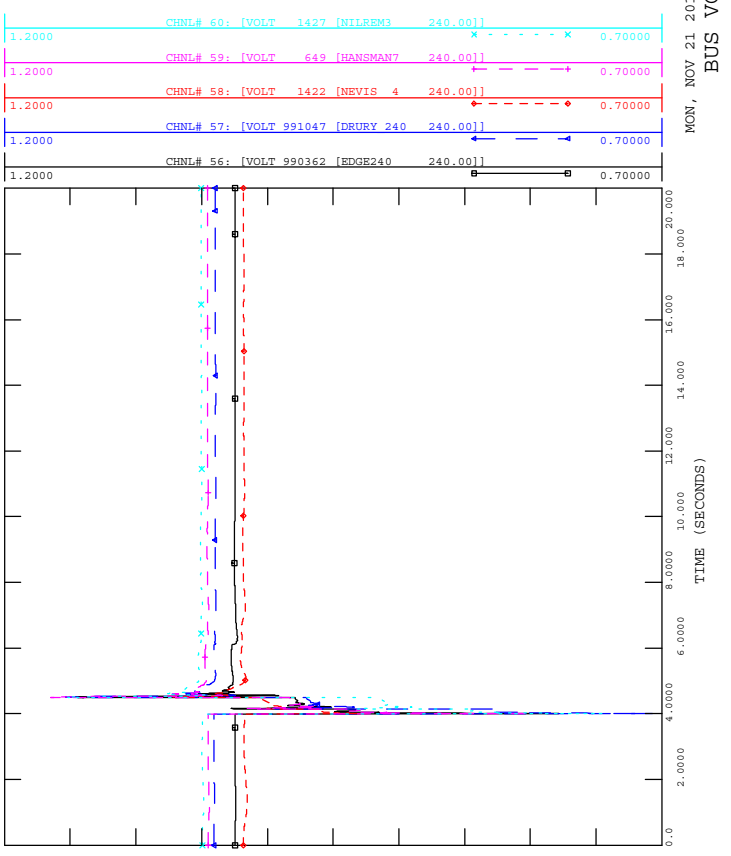
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S

MON, NOV 21 2016 13:40

BUS VOLTAGE

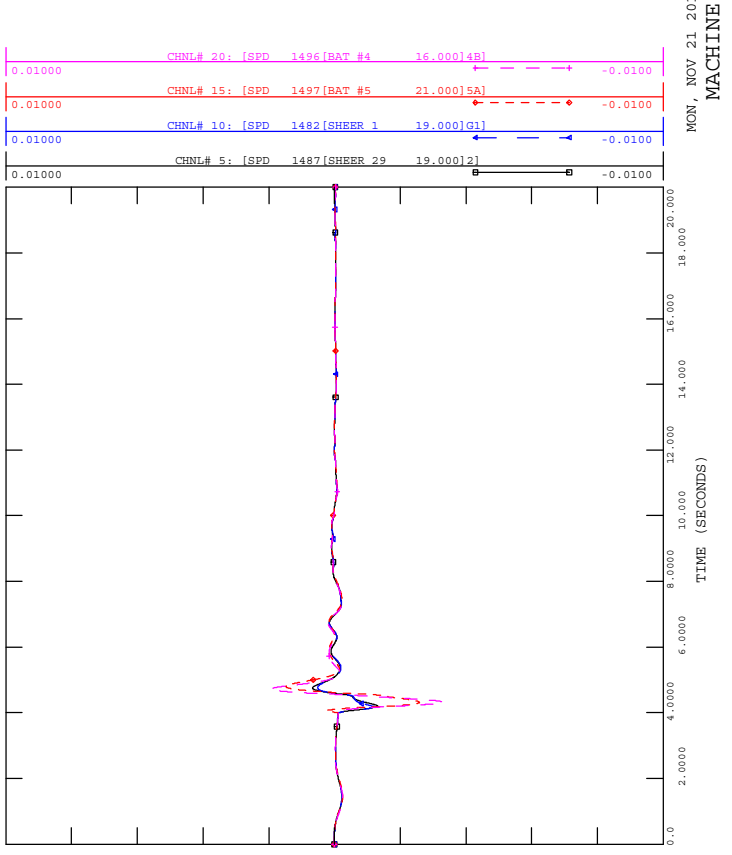


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S

MON, NOV 21 2016 13:40

MACHINE SPEED

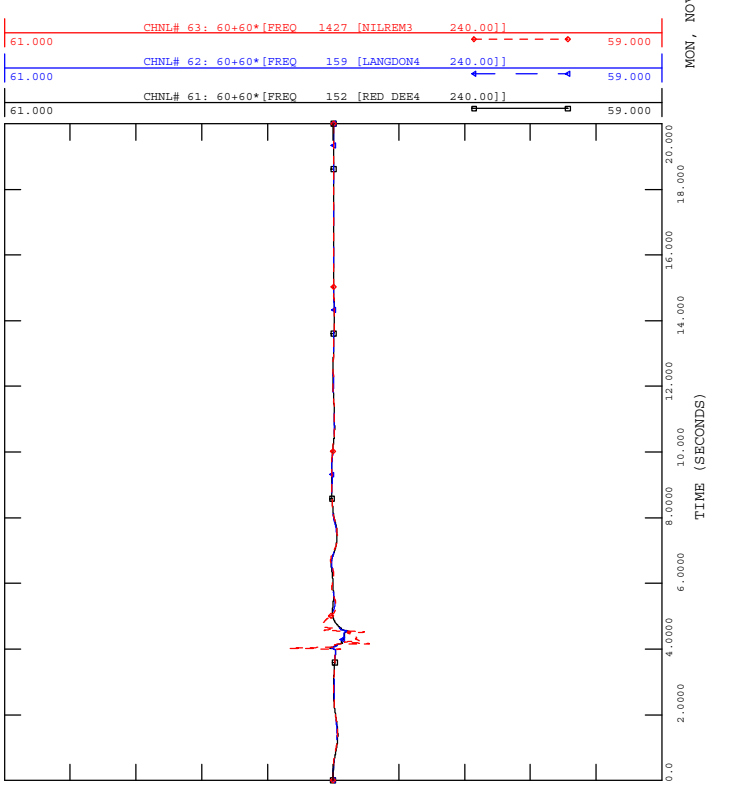


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S

MON, NOV 21 2016 13:40

FREQUENCY

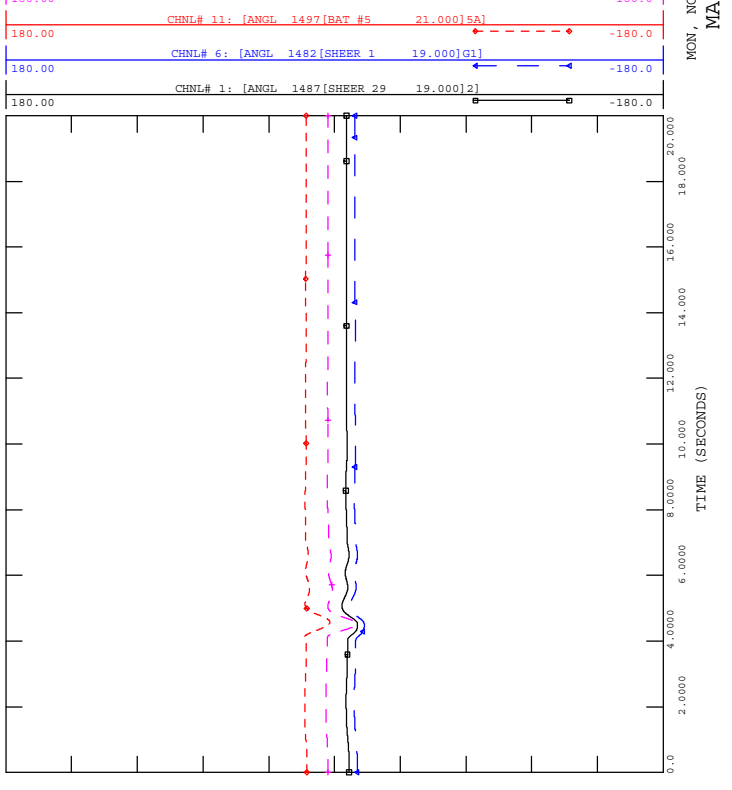


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S

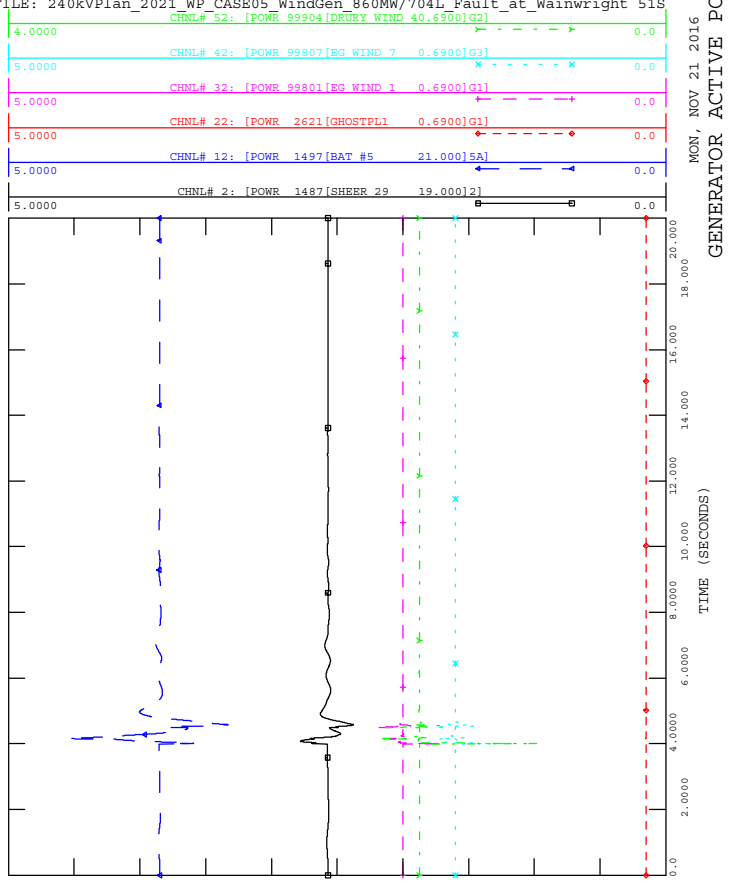
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

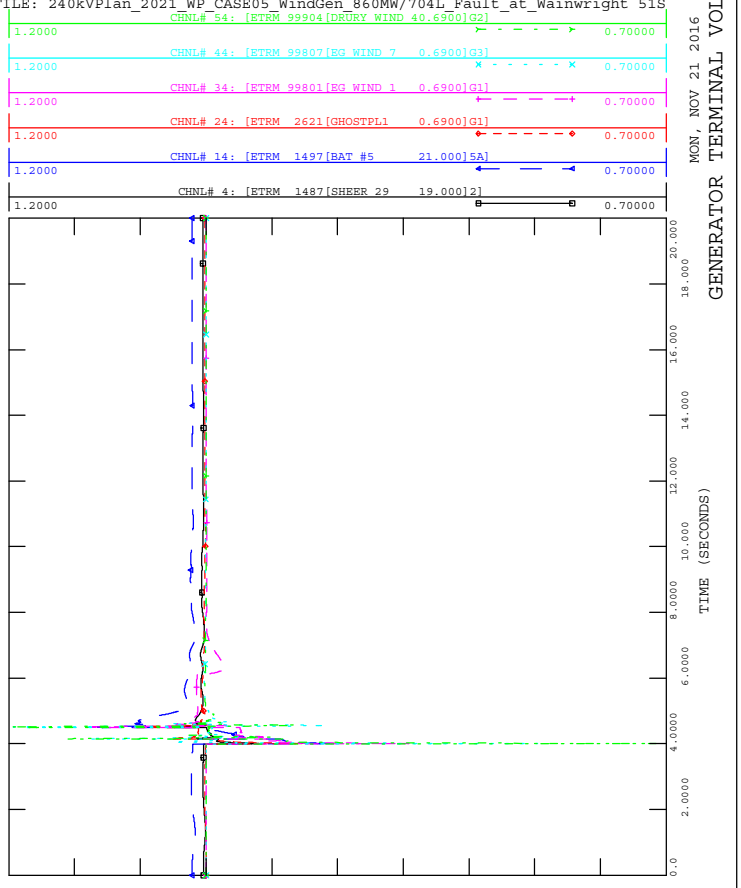
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

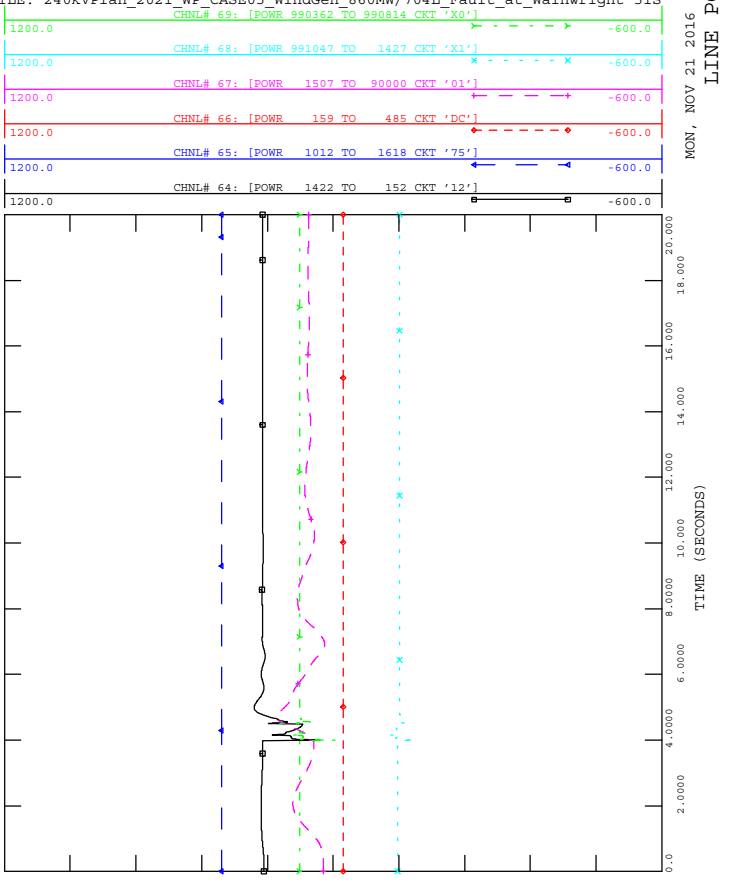
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

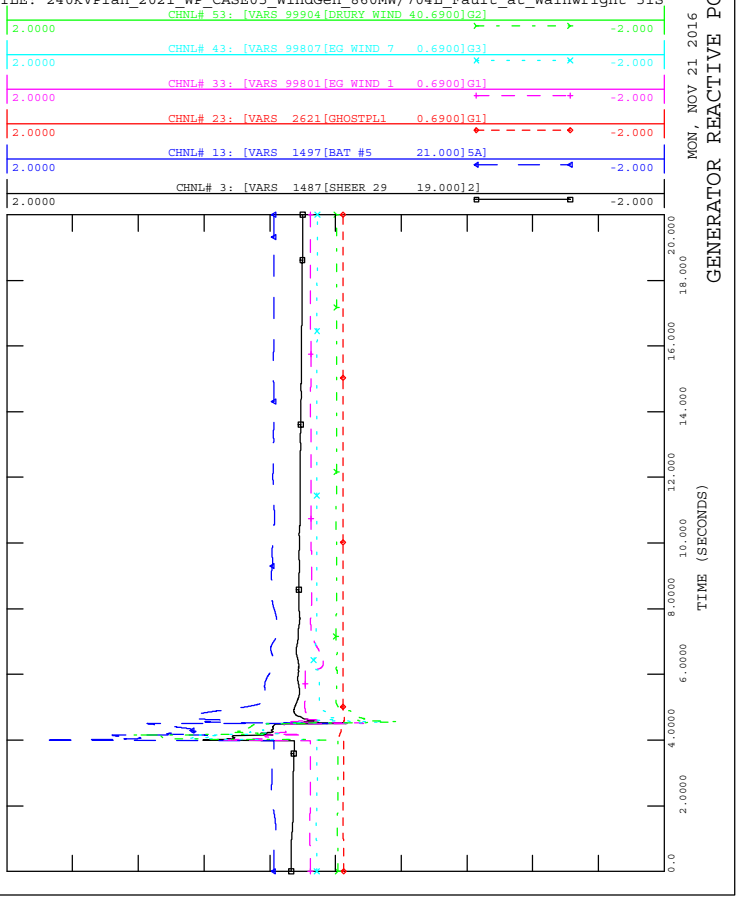
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S



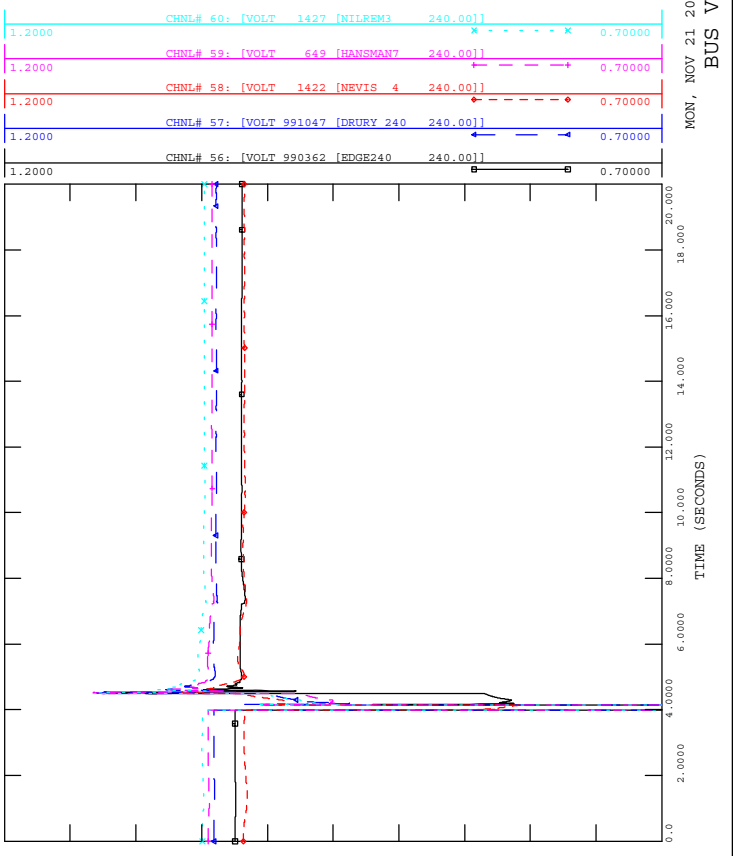
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

BUS VOLTAGE

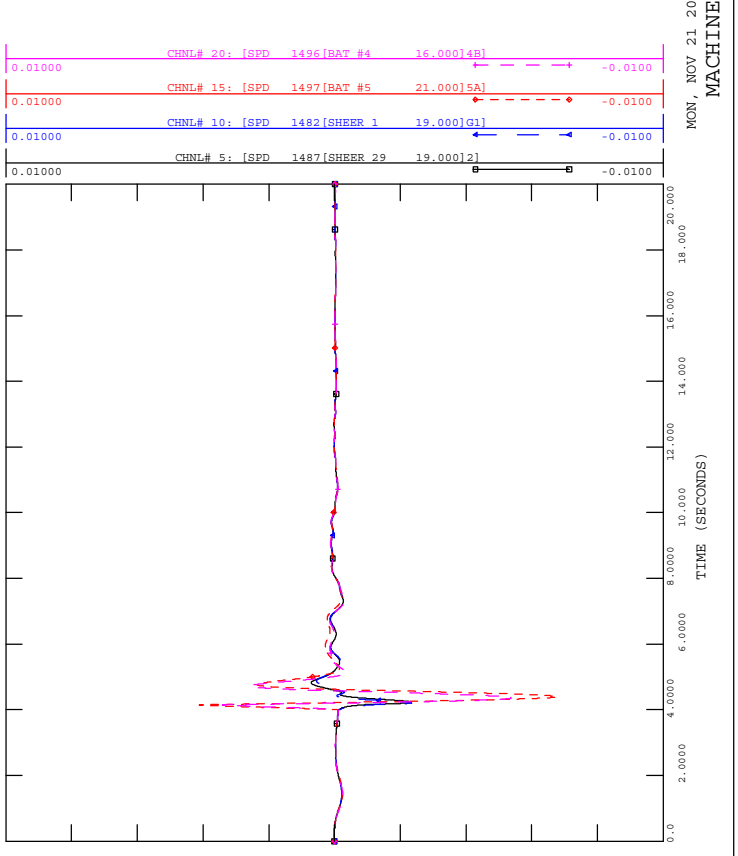


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

MACHINE SPEED

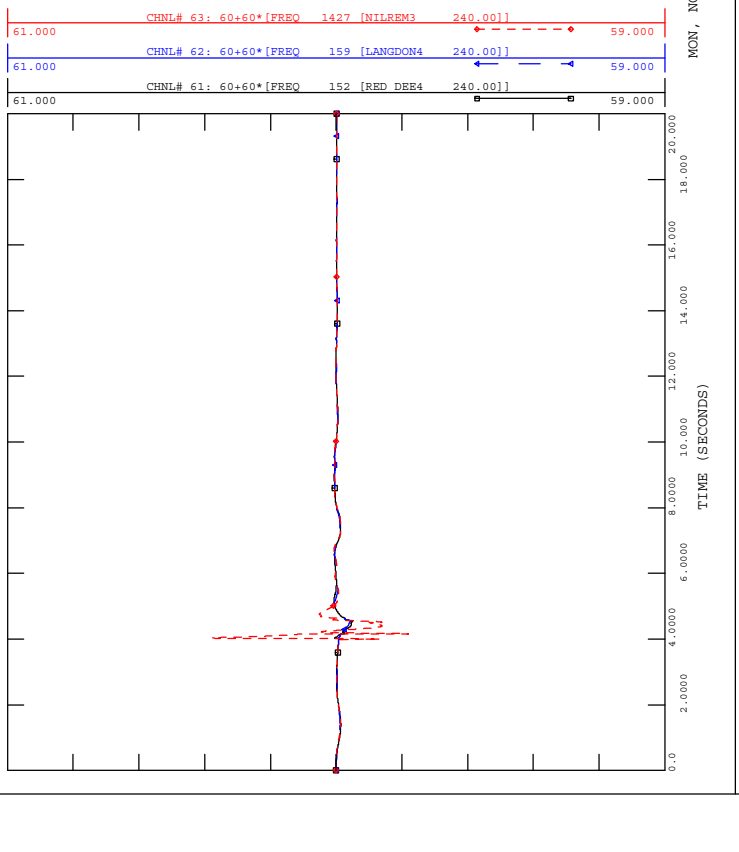


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

FREQUENCY

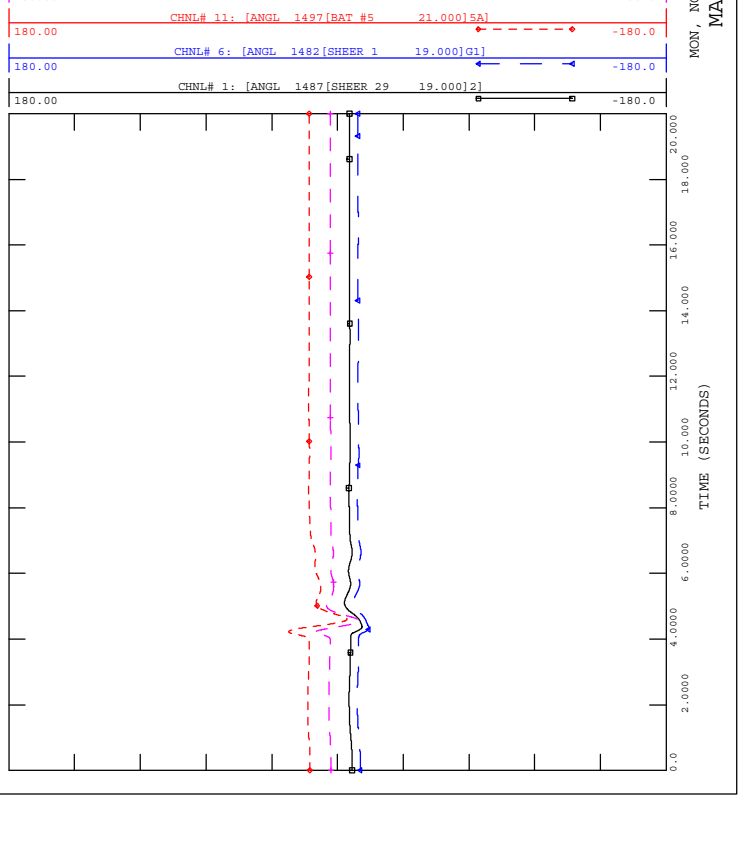


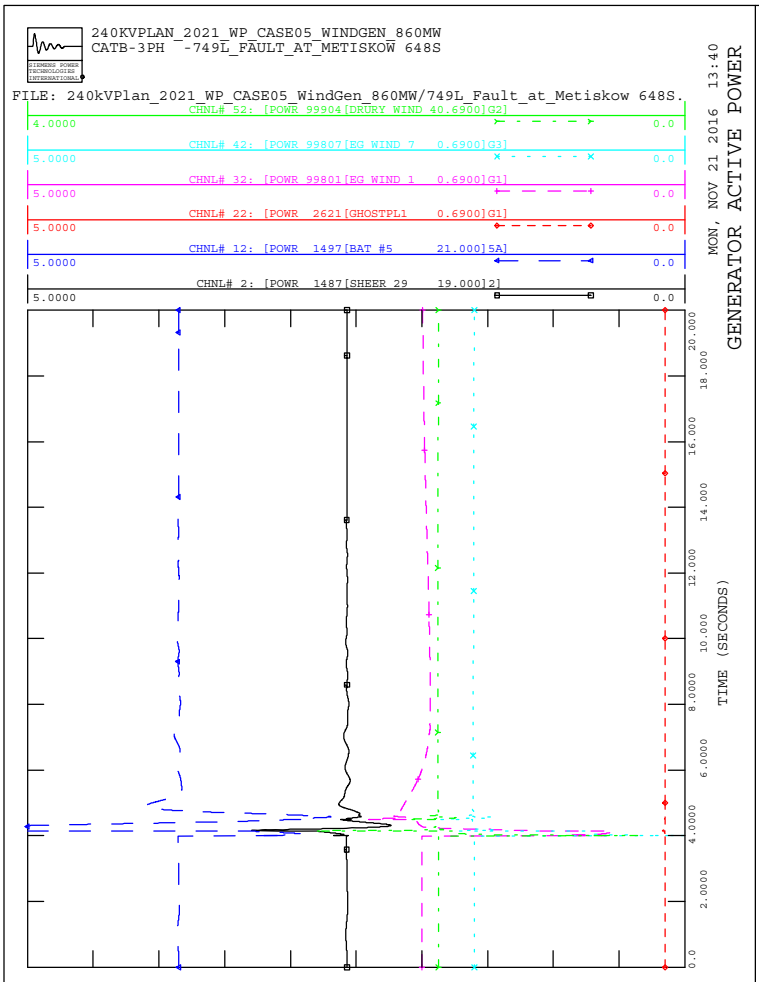
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S

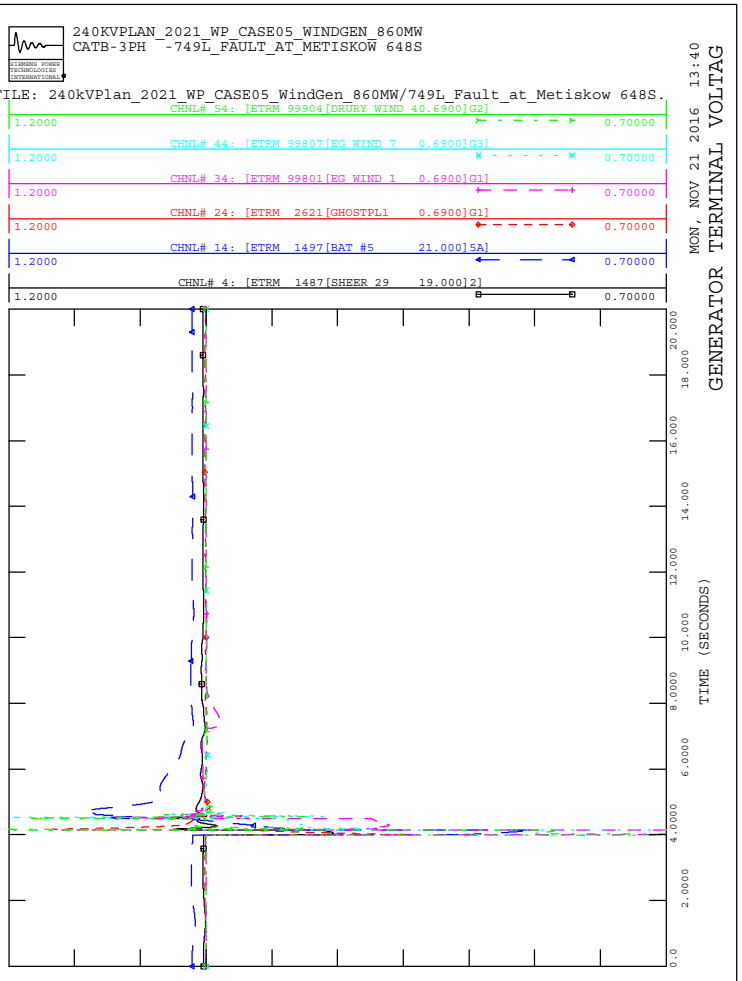
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.

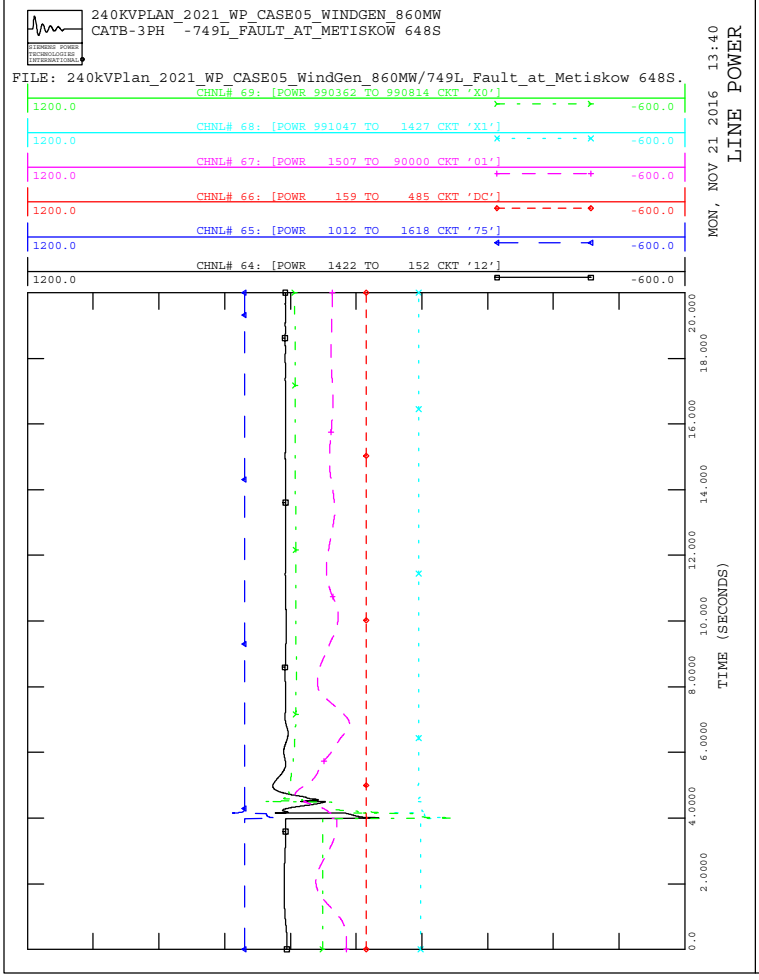
MON, NOV 21 2016 13:40

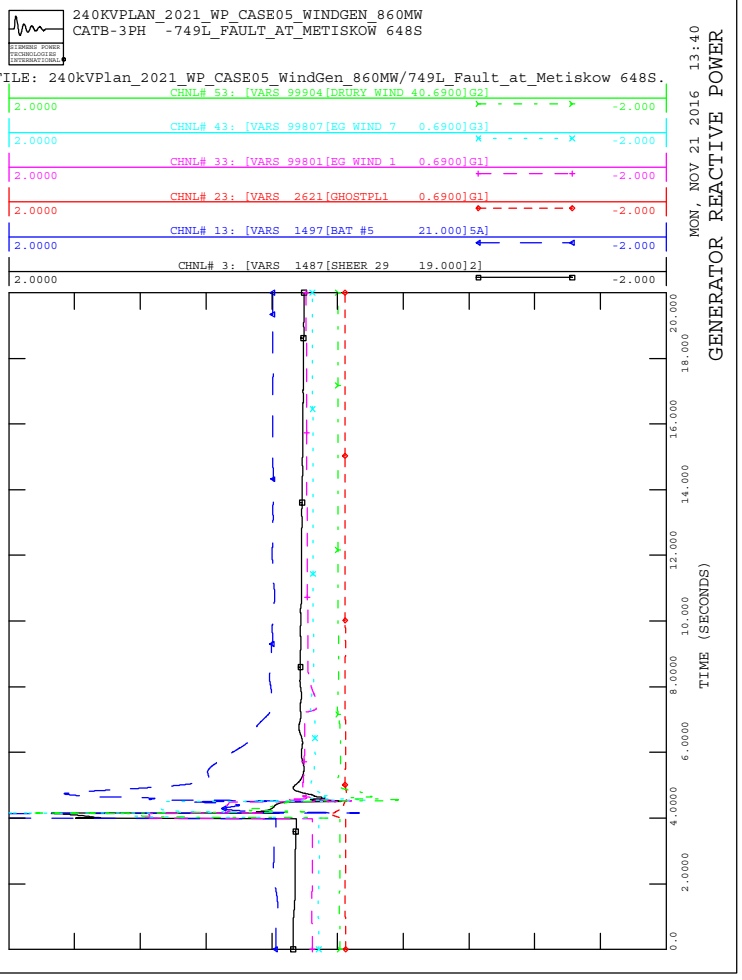
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

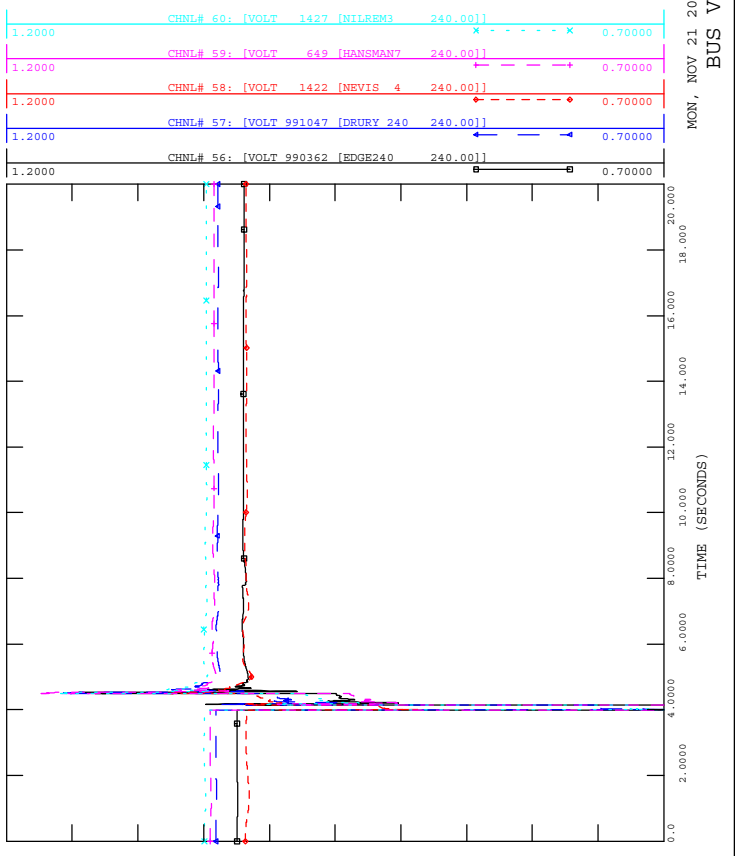

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.

MON, NOV 21 2016 13:40

BUS VOLTAGE

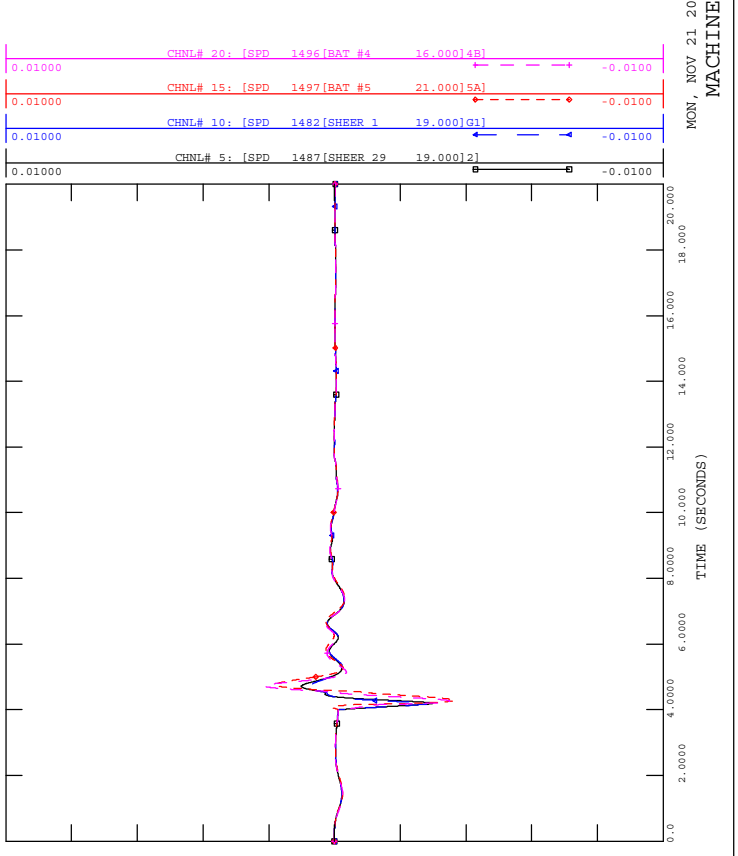


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.

MON, NOV 21 2016 13:40

MACHINE SPEED

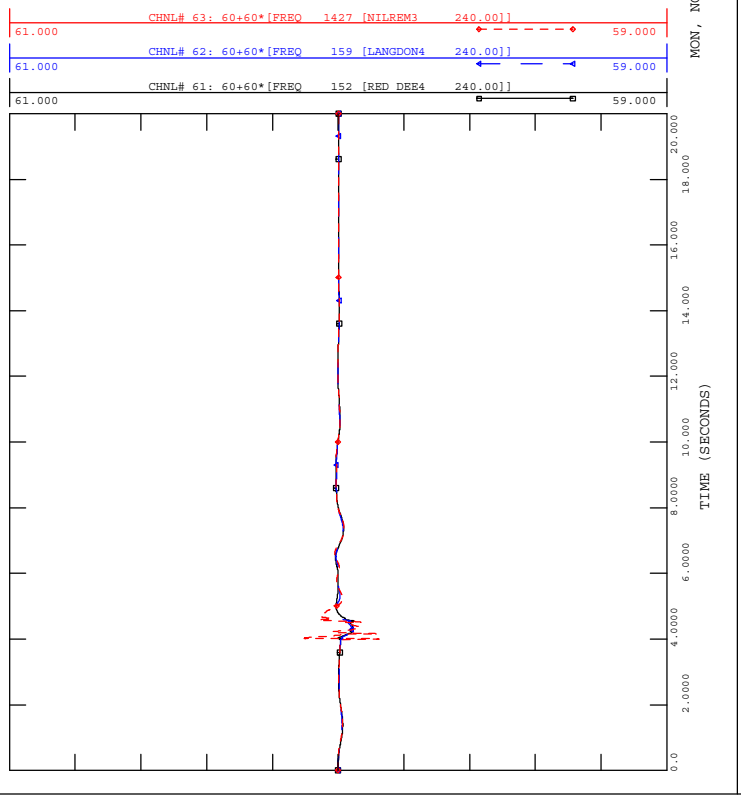


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.

MON, NOV 21 2016 13:40

FREQUENCY

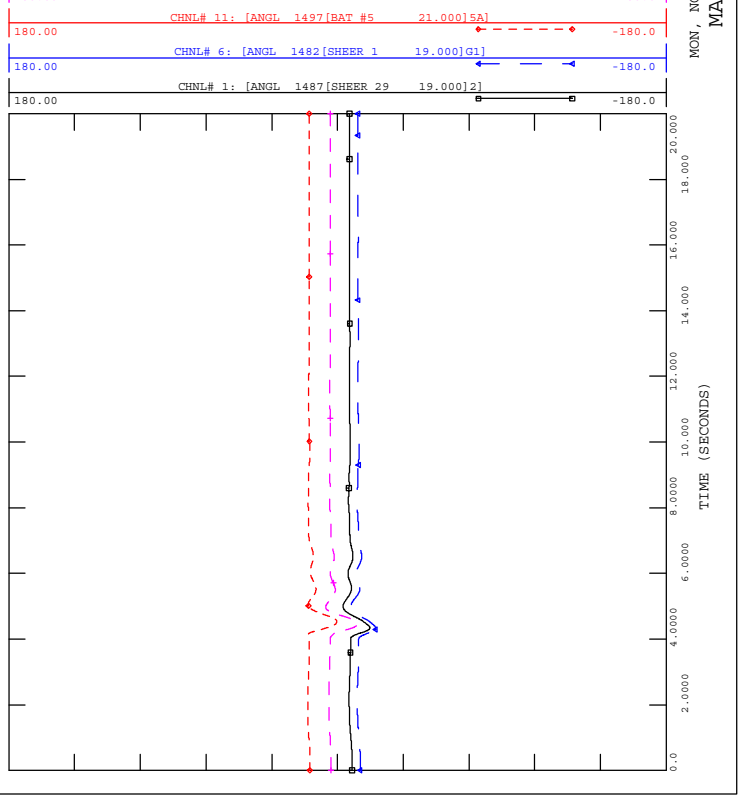


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.

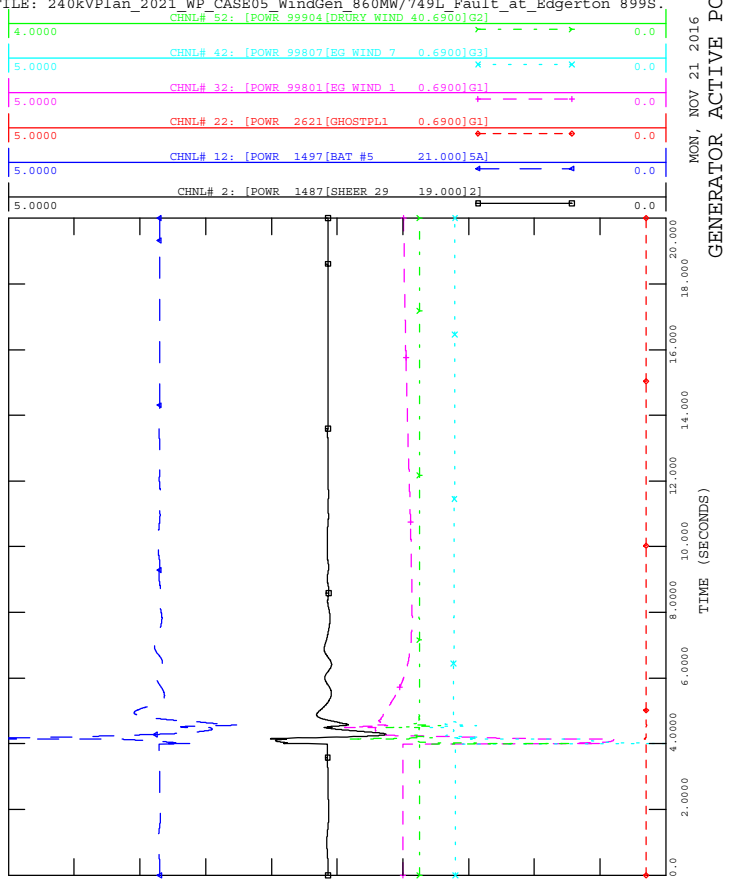
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

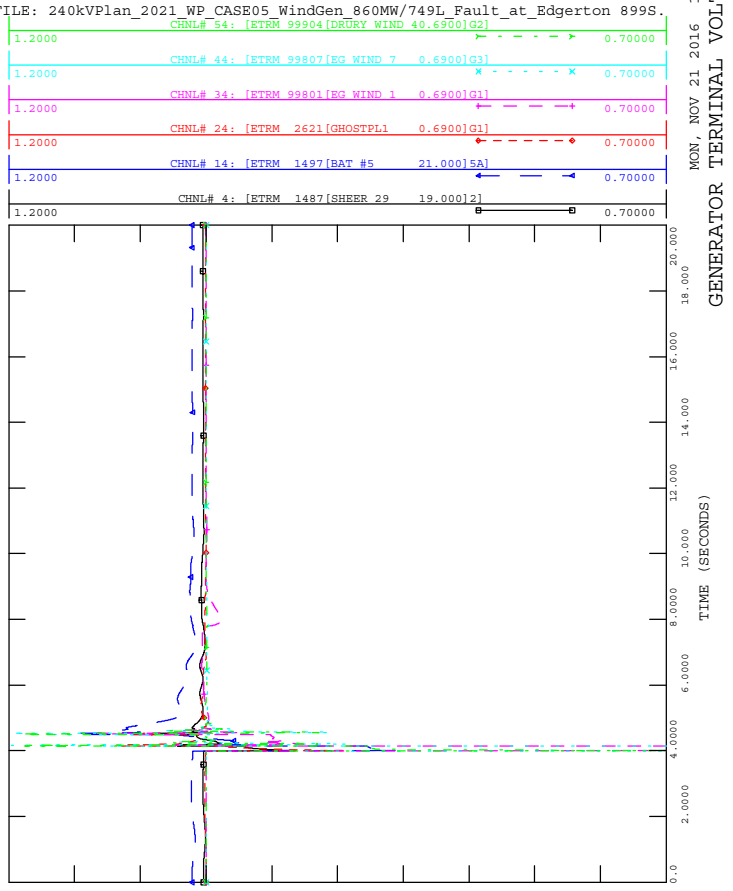
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

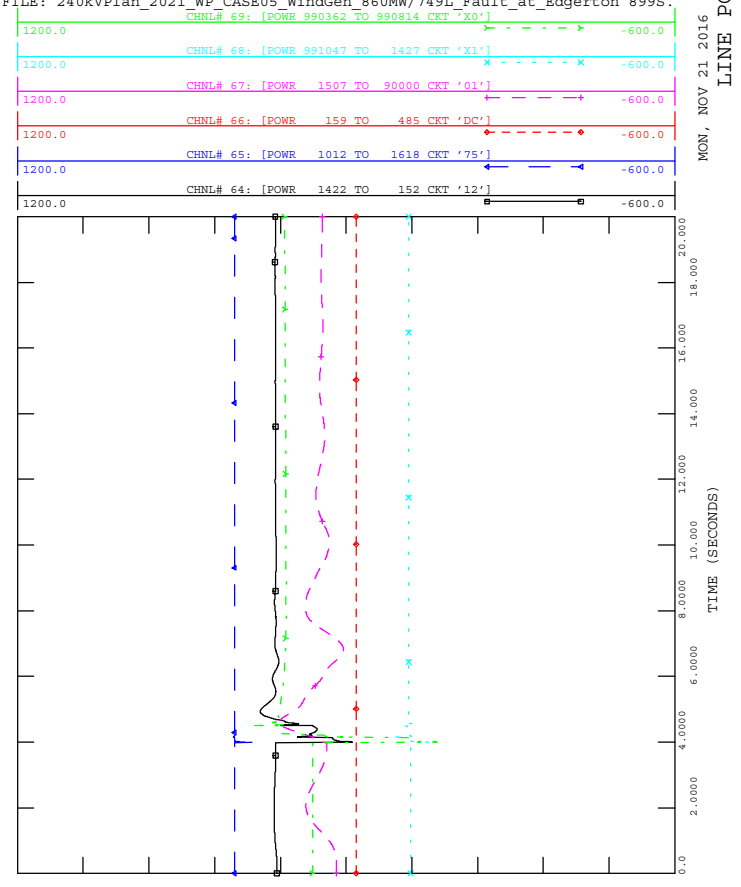
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

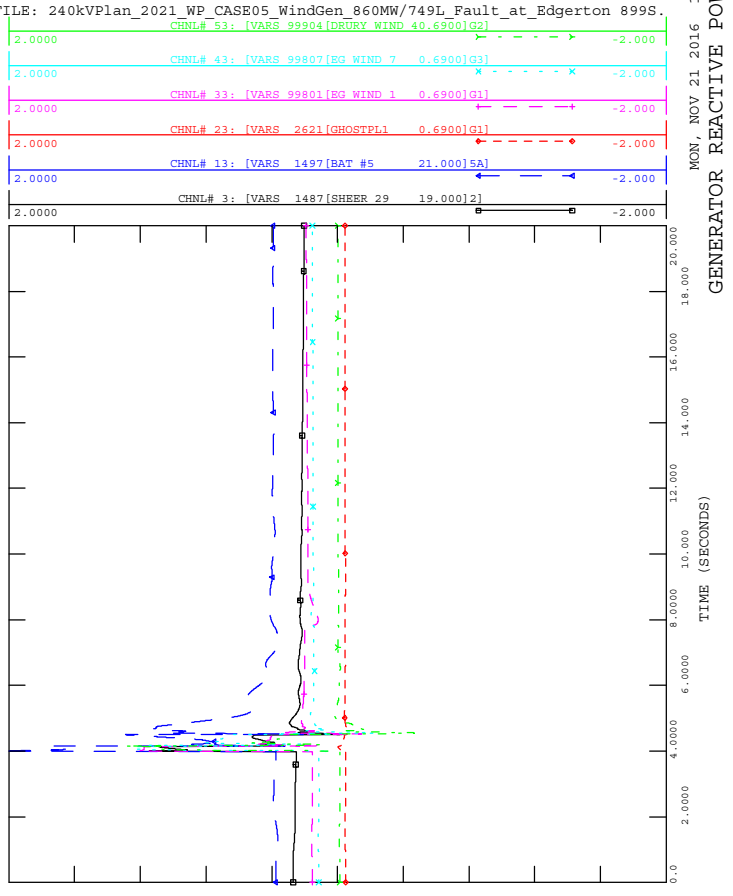
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.



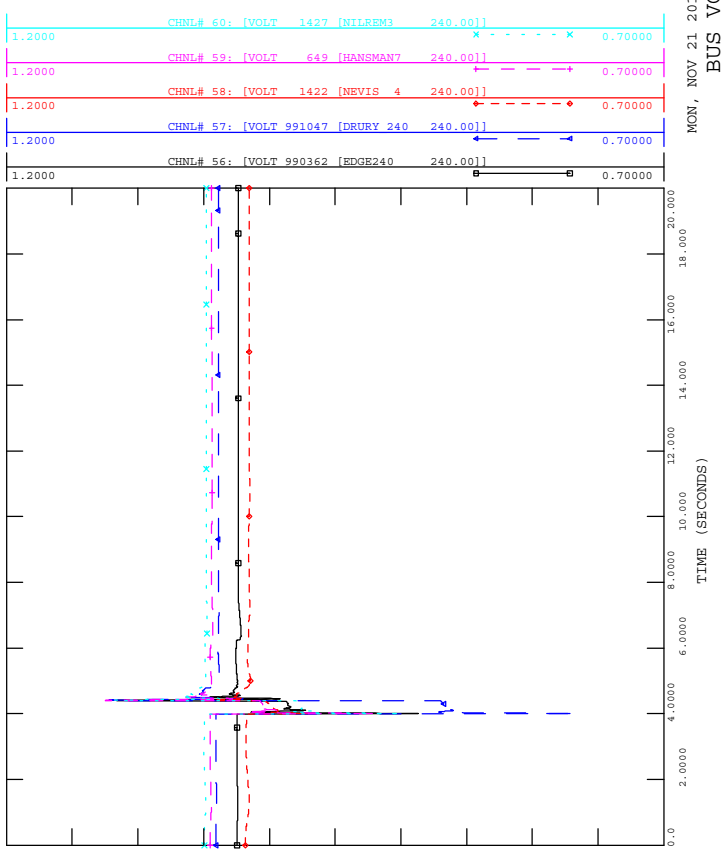
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7

MON, NOV 21 2016 13:40

BUS VOLTAGE

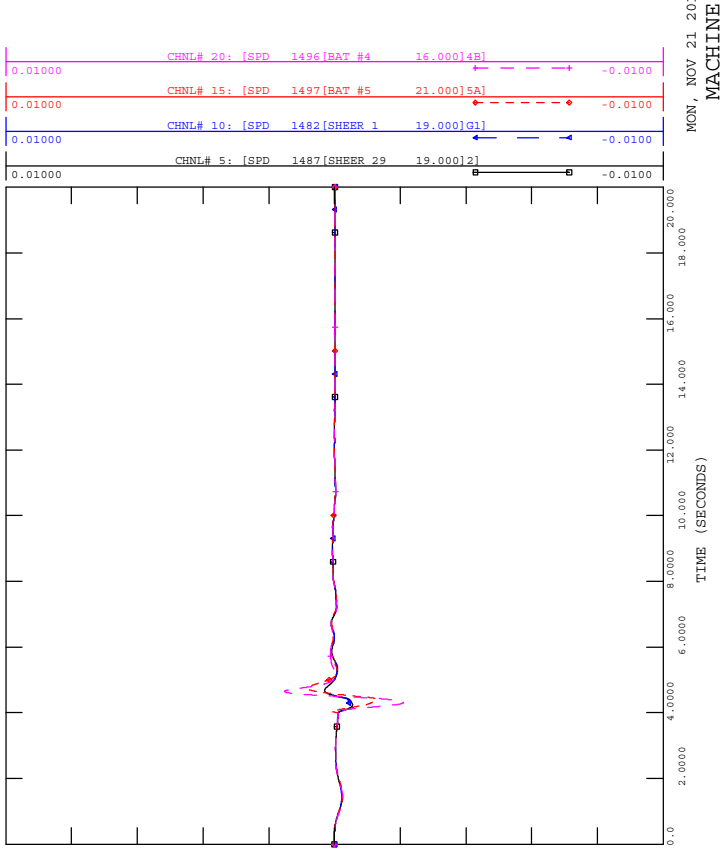


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7

MON, NOV 21 2016 13:40

MACHINE SPEED

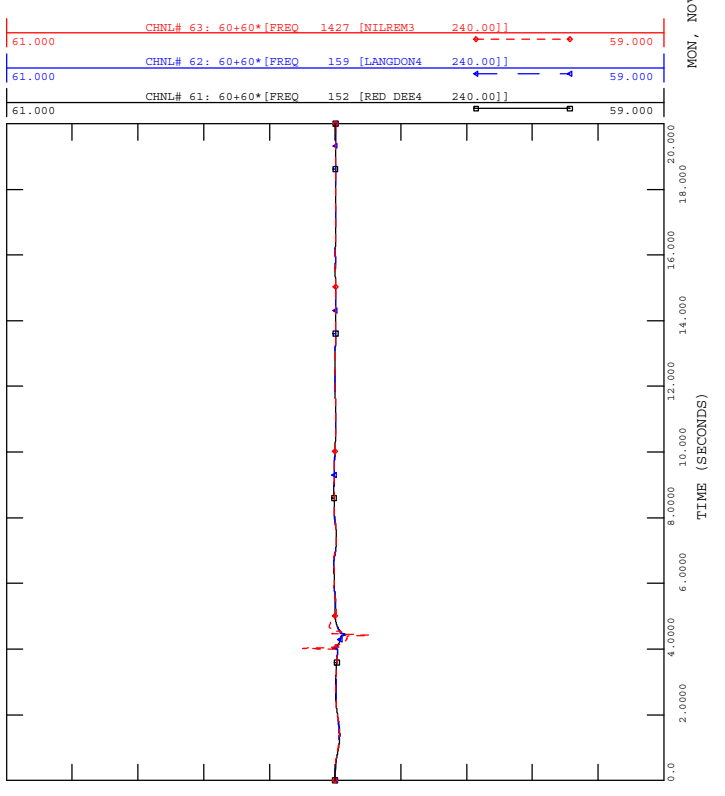


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7

MON, NOV 21 2016 13:40

FREQUENCY

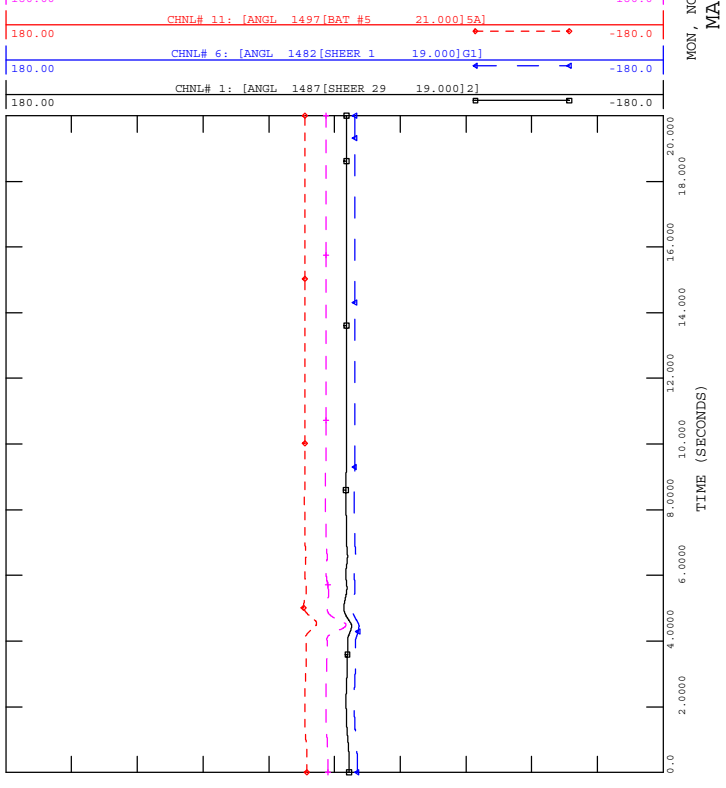


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7

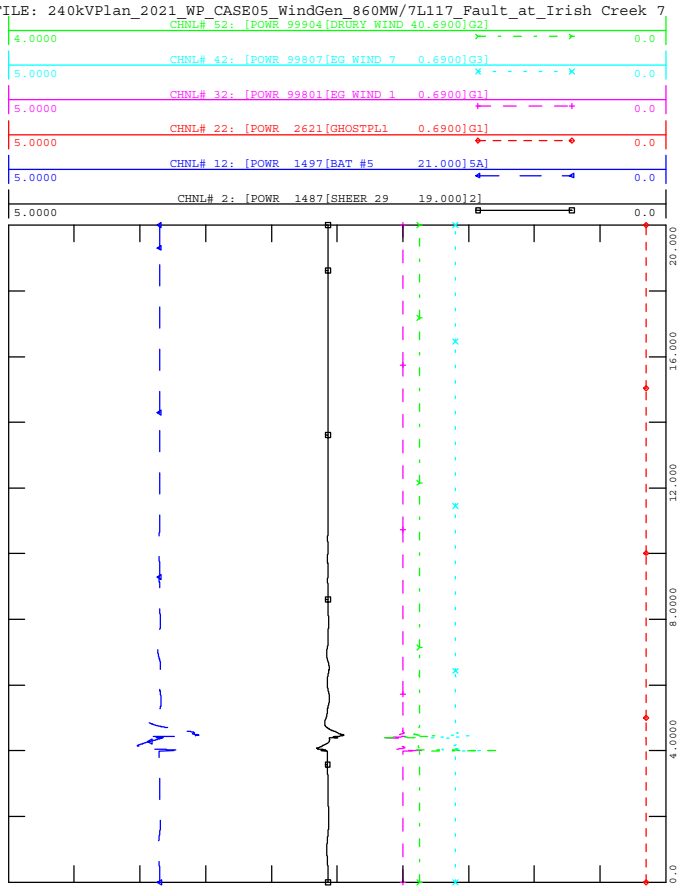
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

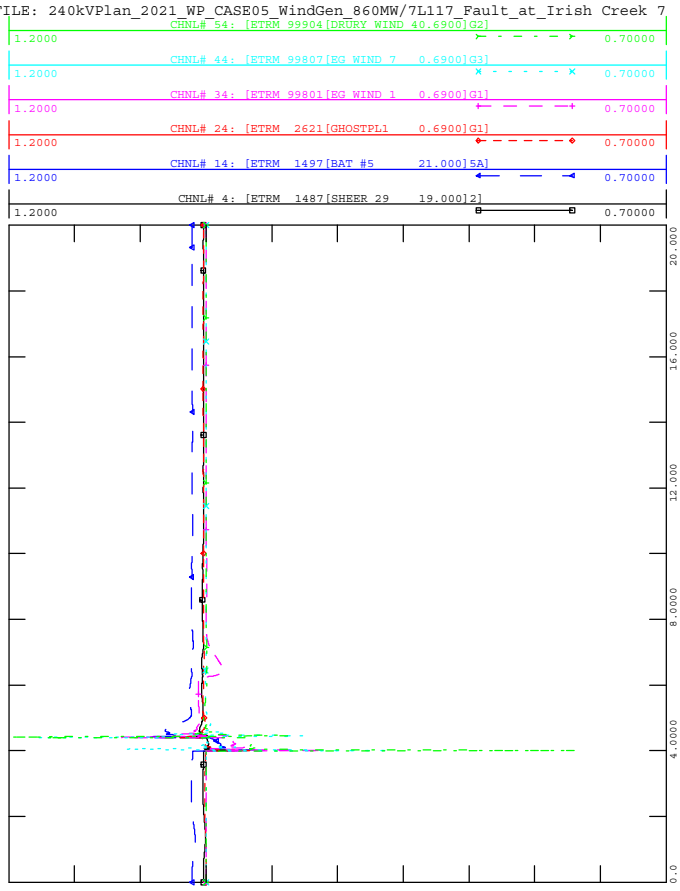
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

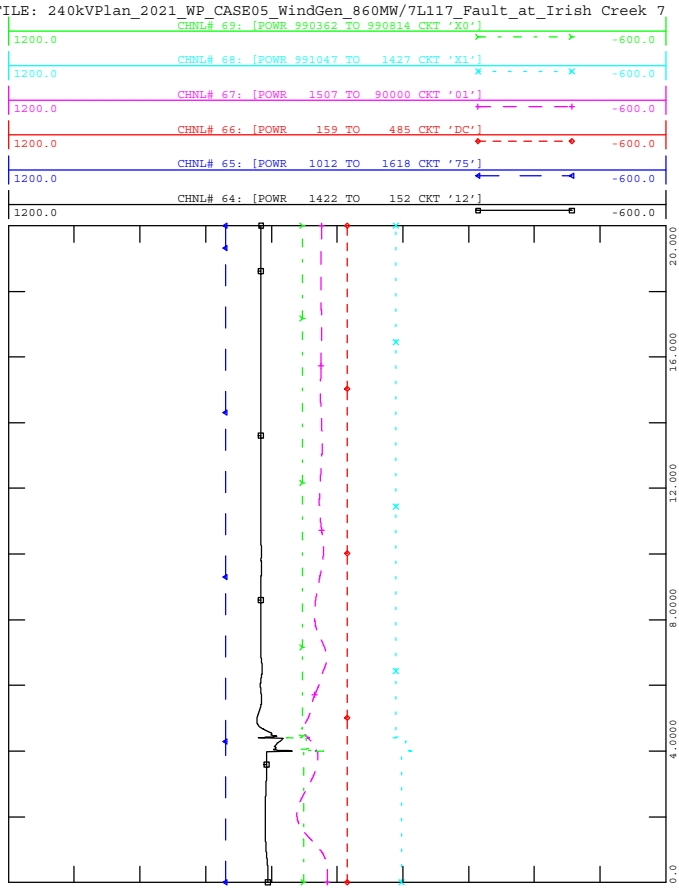
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

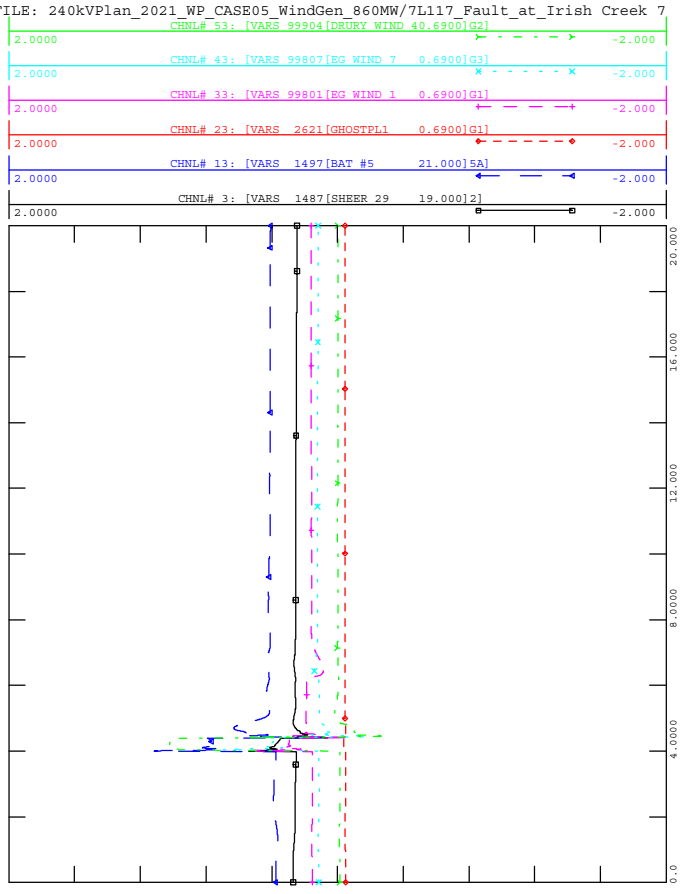
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7



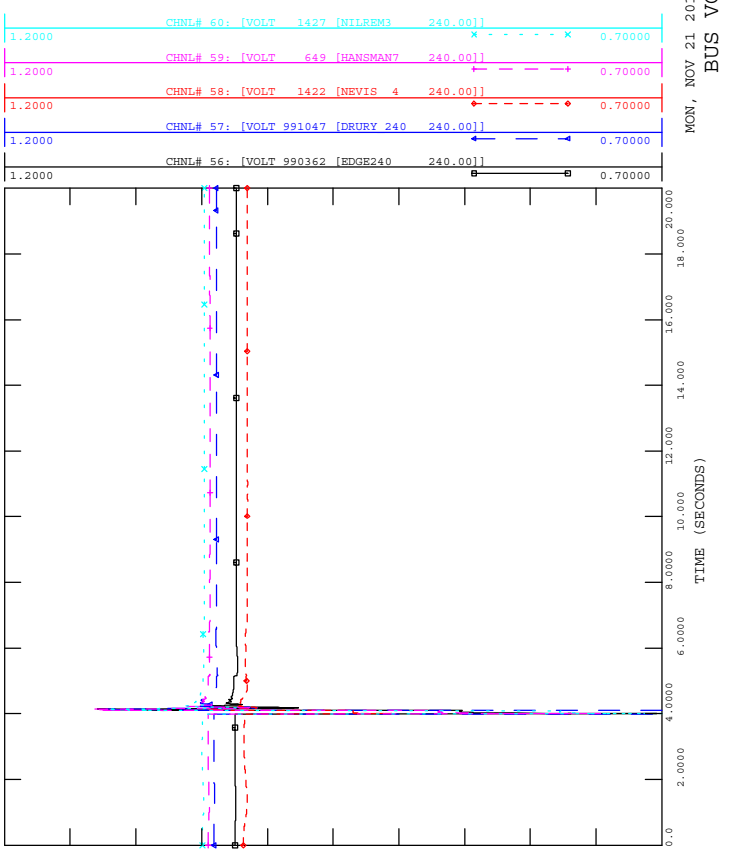
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71

MON, NOV 21 2016 13:40

BUS VOLTAGE

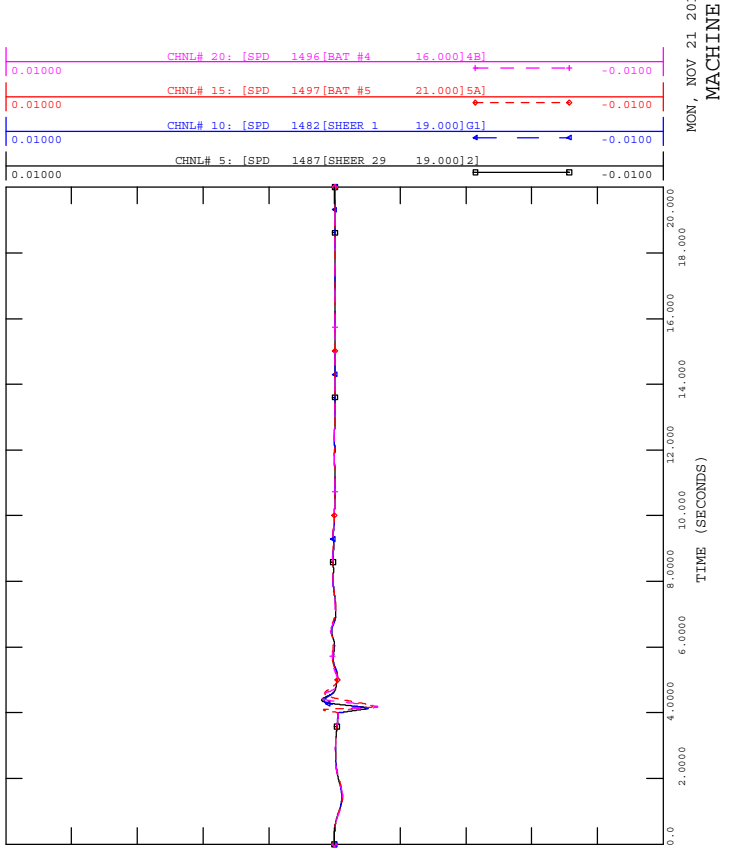


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71

MON, NOV 21 2016 13:40

MACHINE SPEED

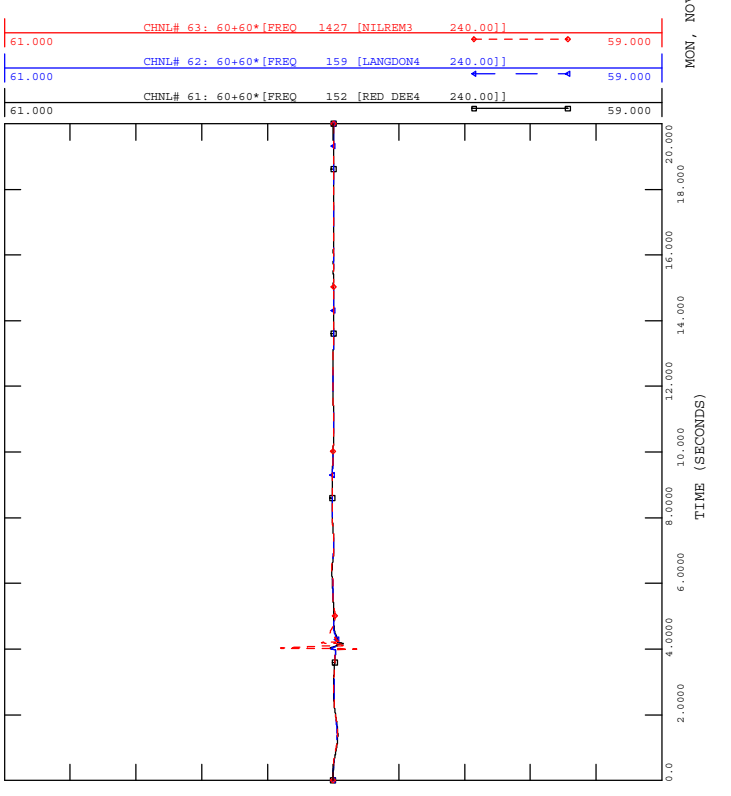


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71

MON, NOV 21 2016 13:40

FREQUENCY

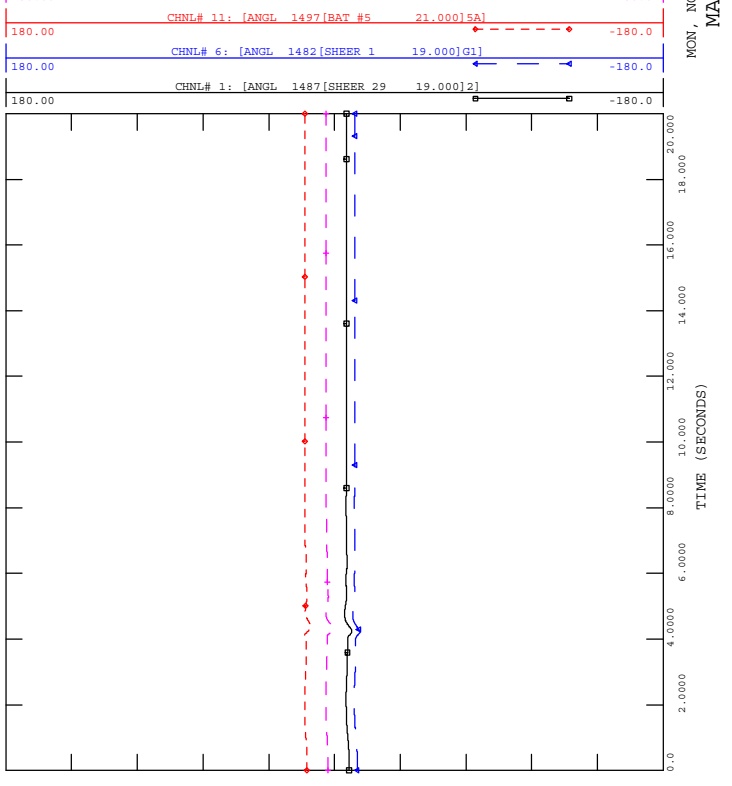


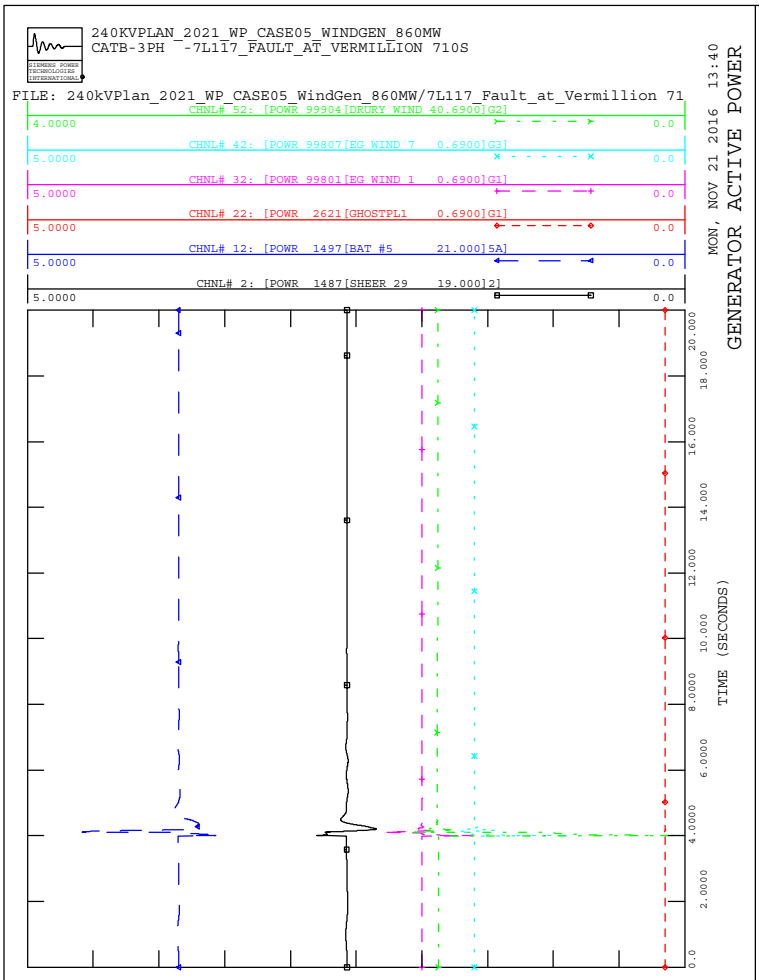
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S

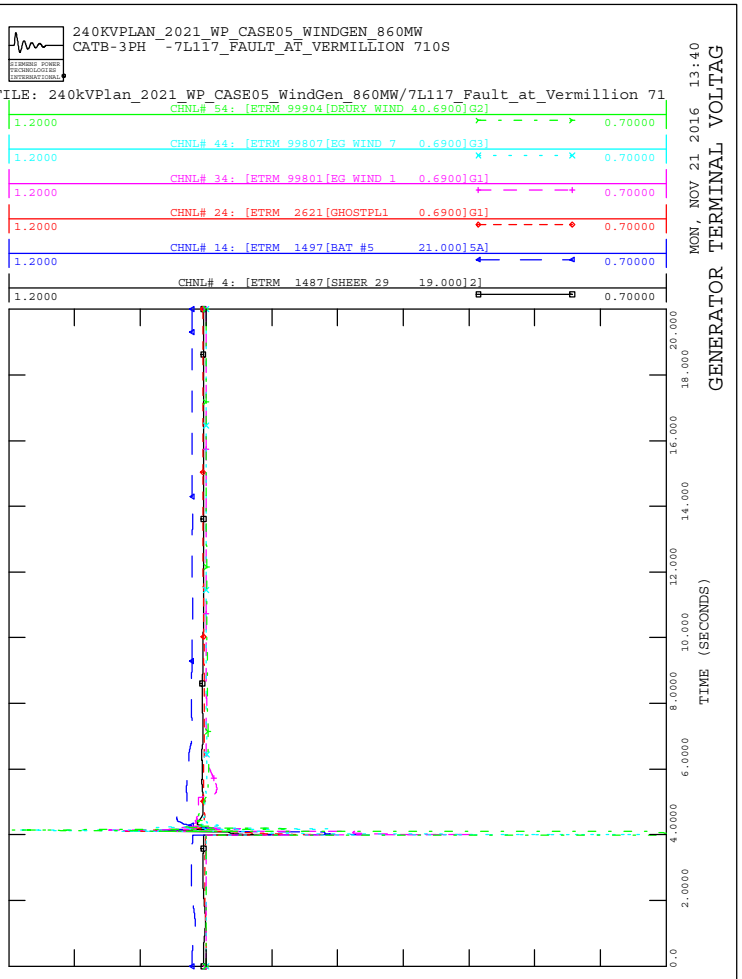
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71

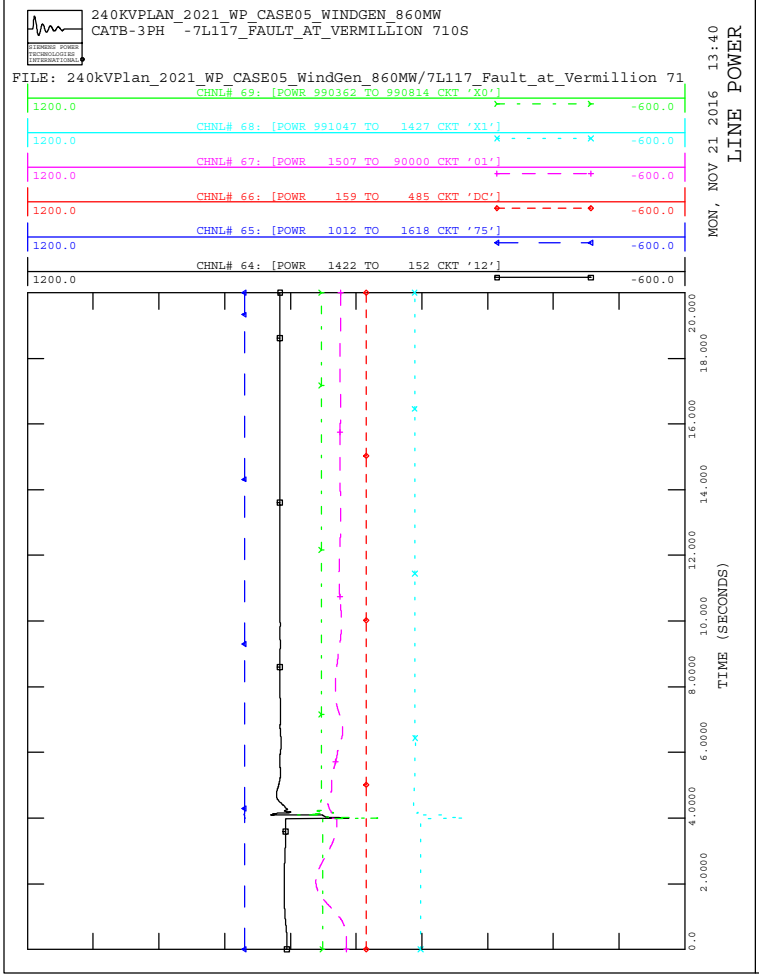
MON, NOV 21 2016 13:40

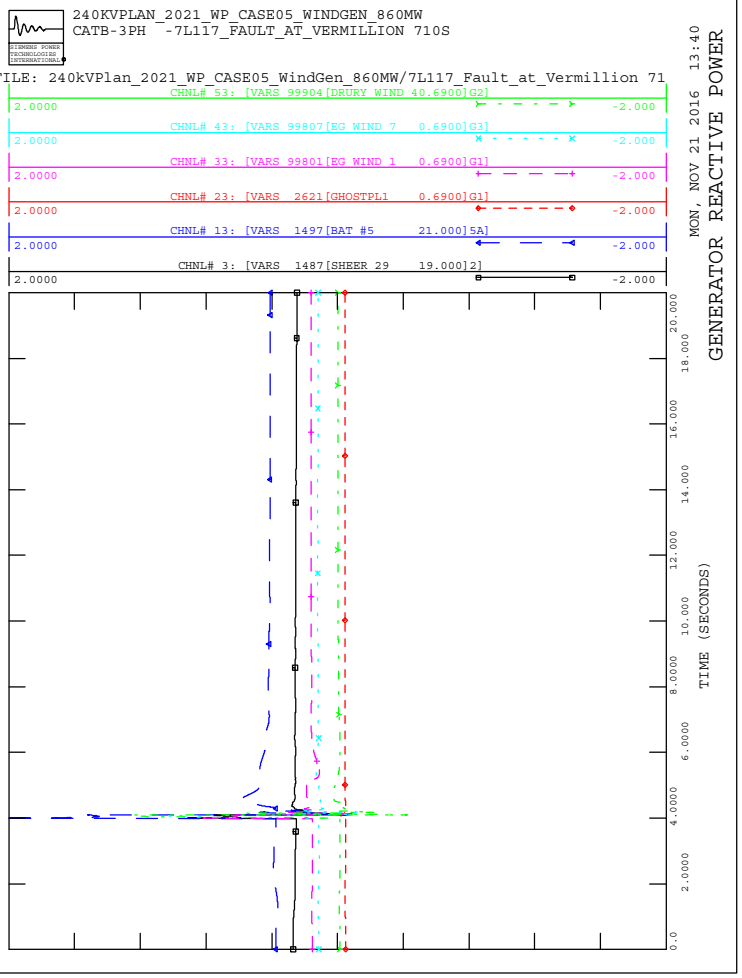
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

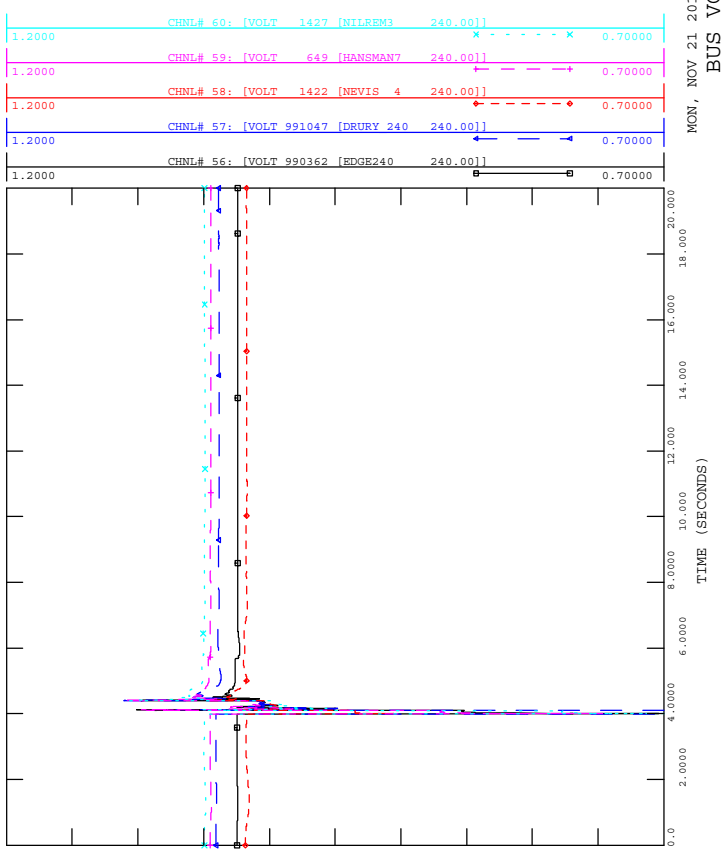

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 13:40

BUS VOLTAGE

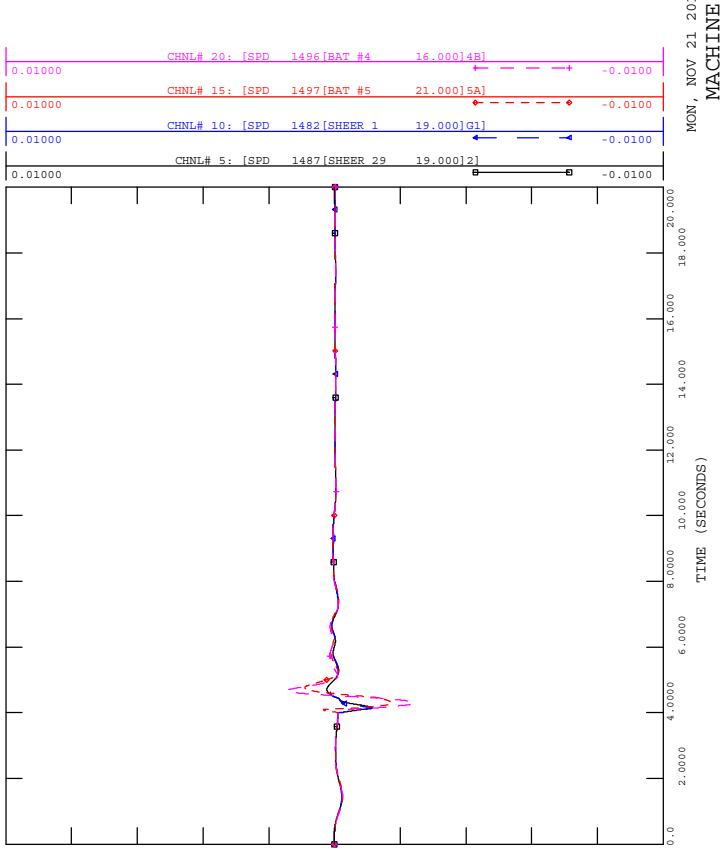


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 13:40

MACHINE SPEED

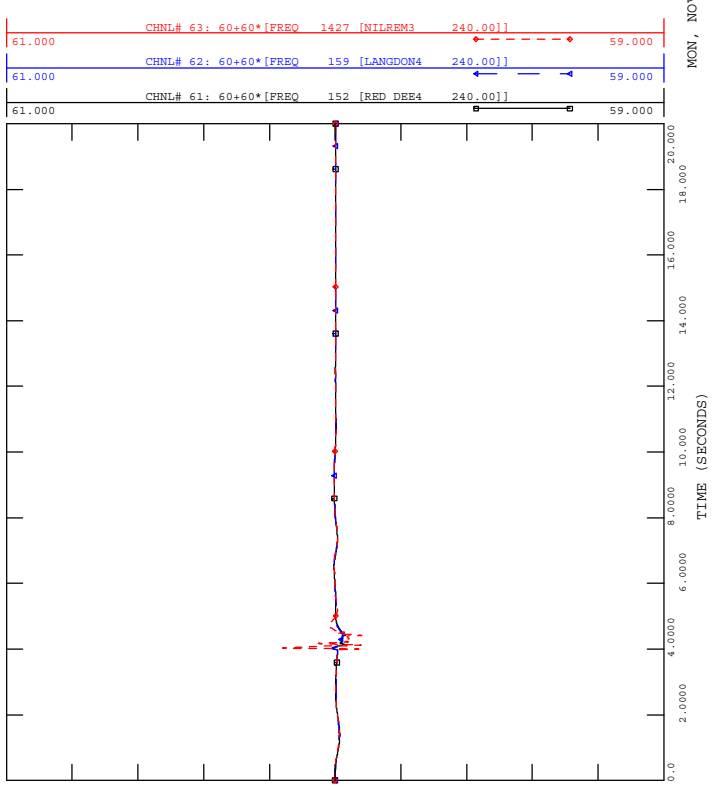


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 13:40

FREQUENCY

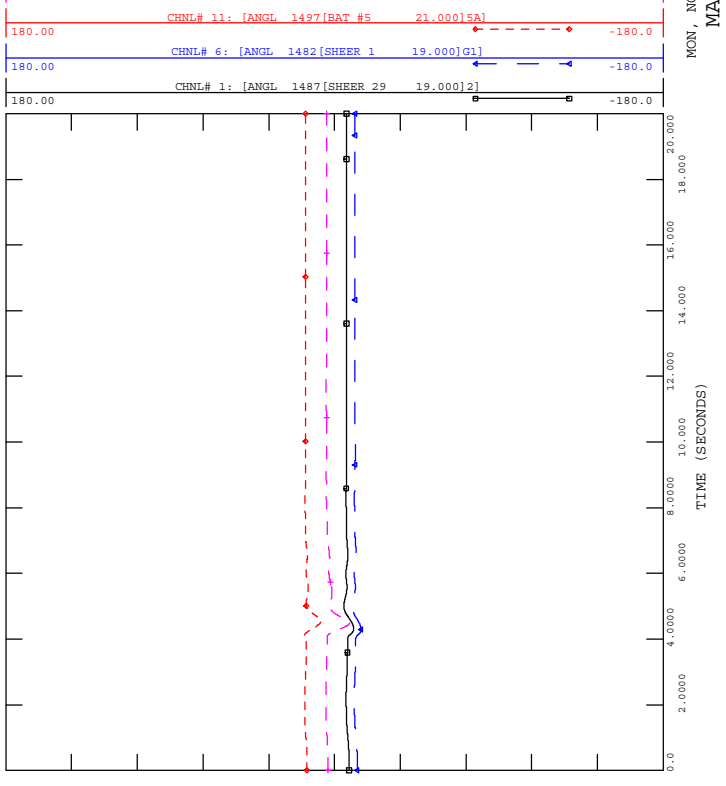


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71

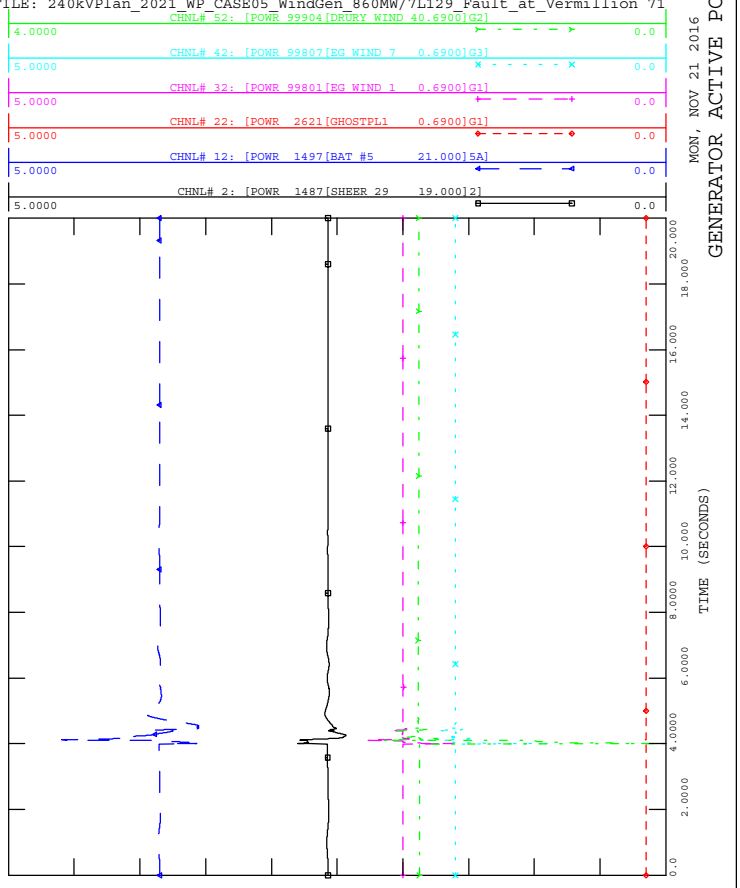
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71

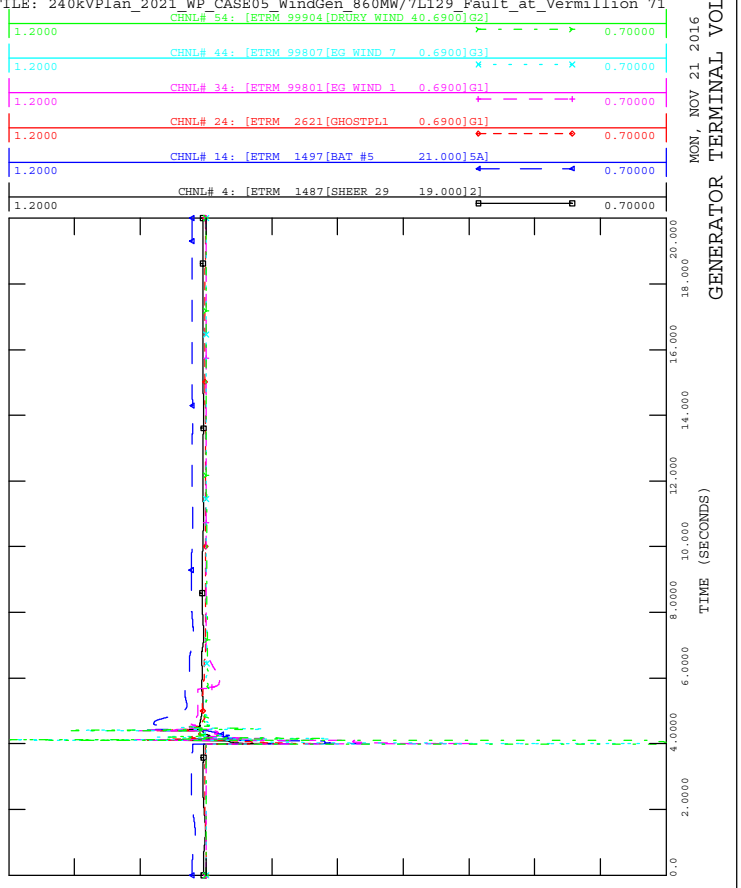


MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71

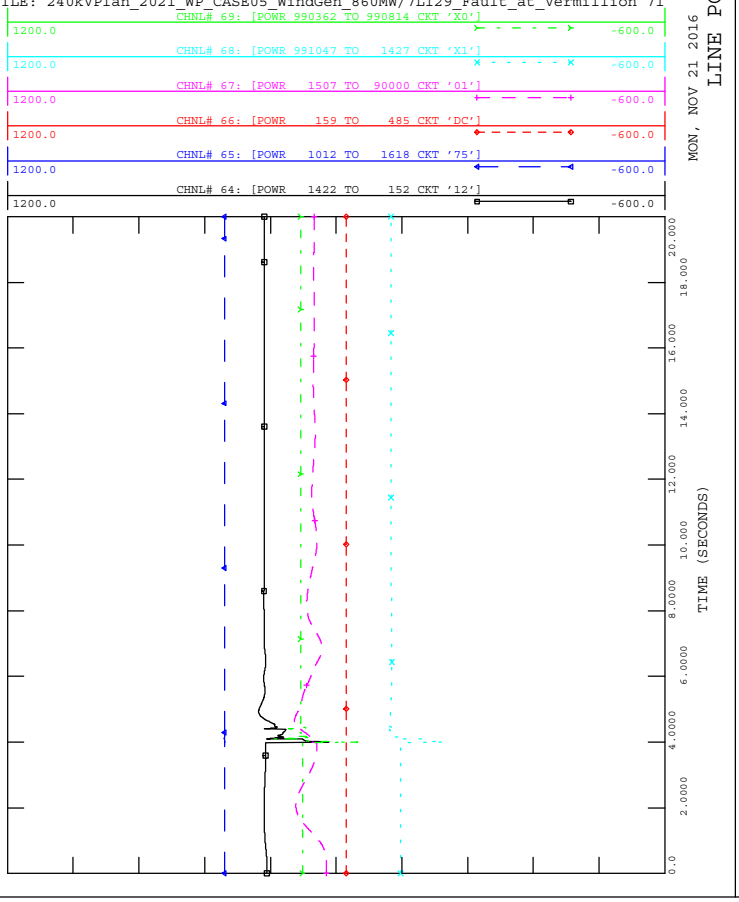


MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71

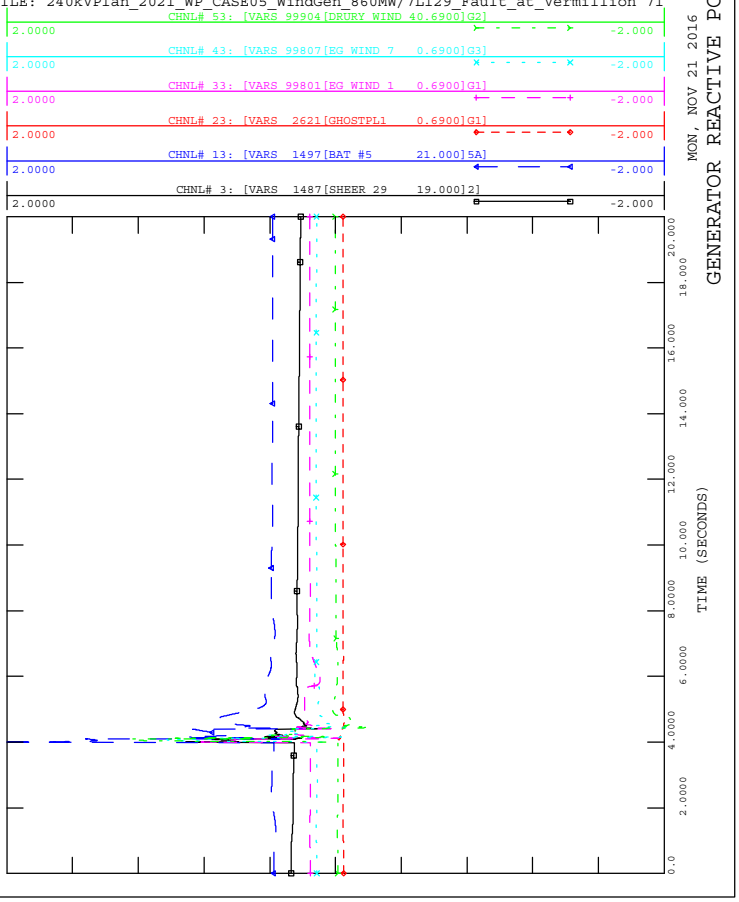


MON, NOV 21 2016 13:40

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71

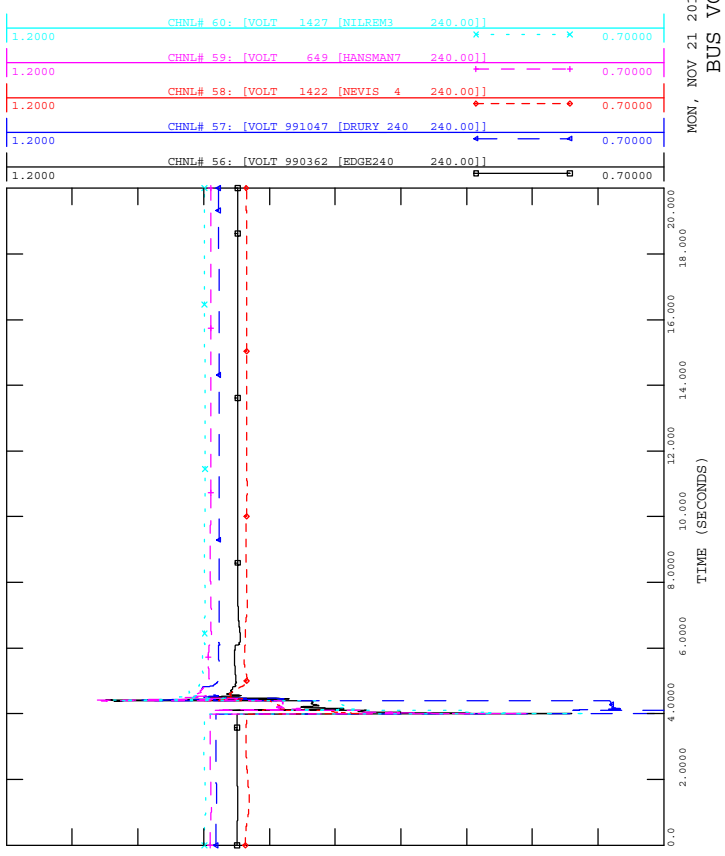


MON, NOV 21 2016 13:40

GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

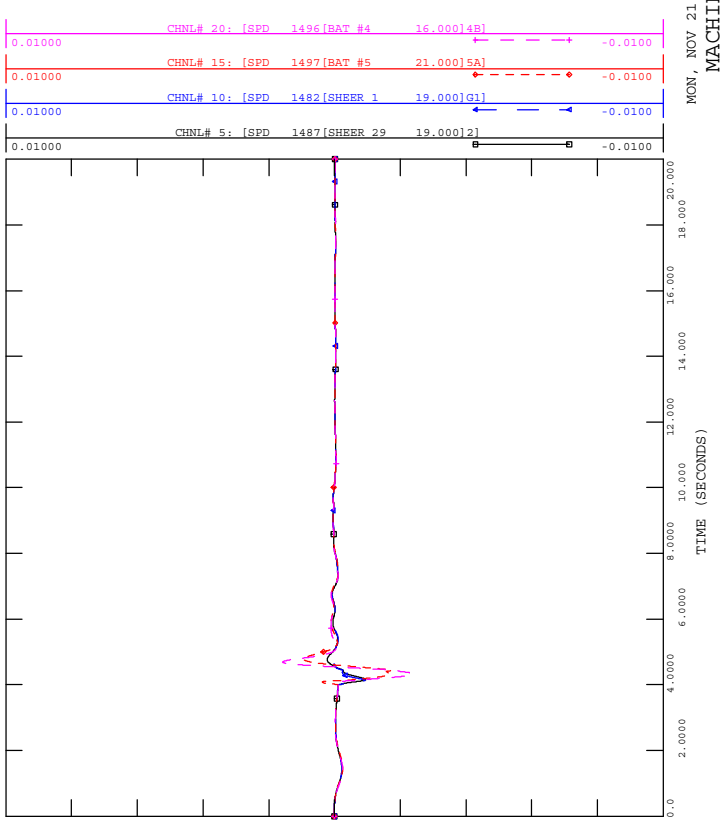
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek



MON, NOV 21 2016 13:40
BUS VOLTAGE

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

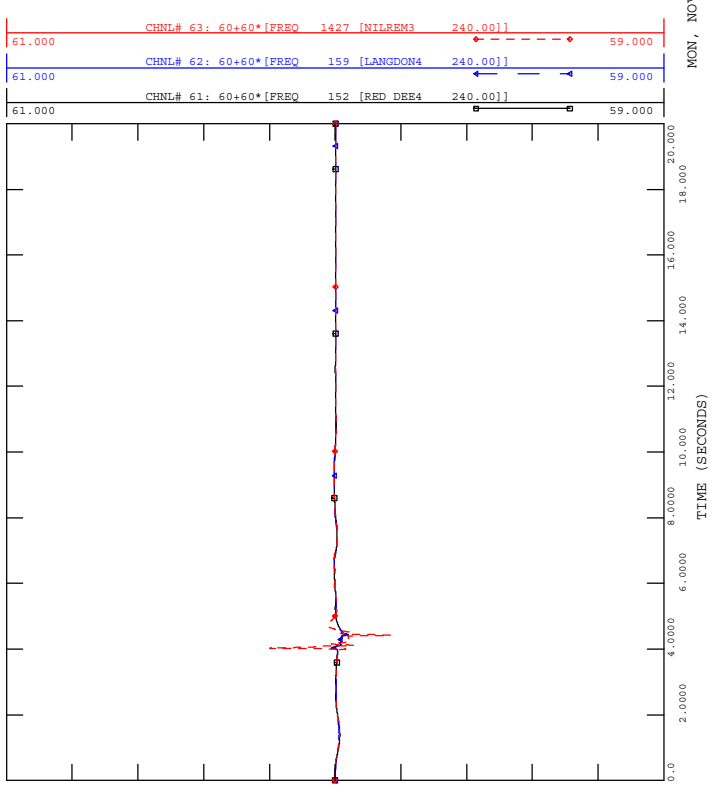
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek



MON, NOV 21 2016 13:40
MACHINE SPEED

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

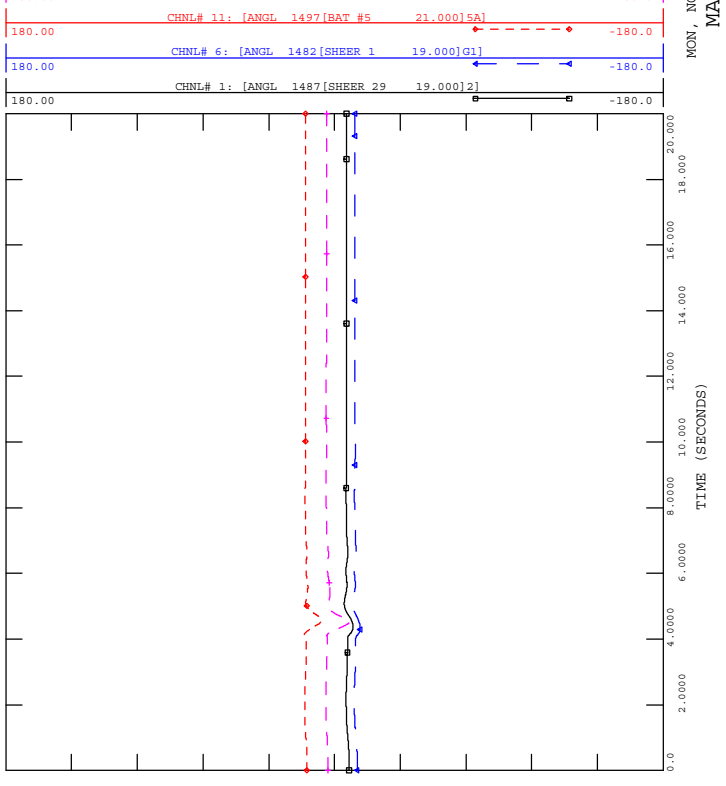
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek



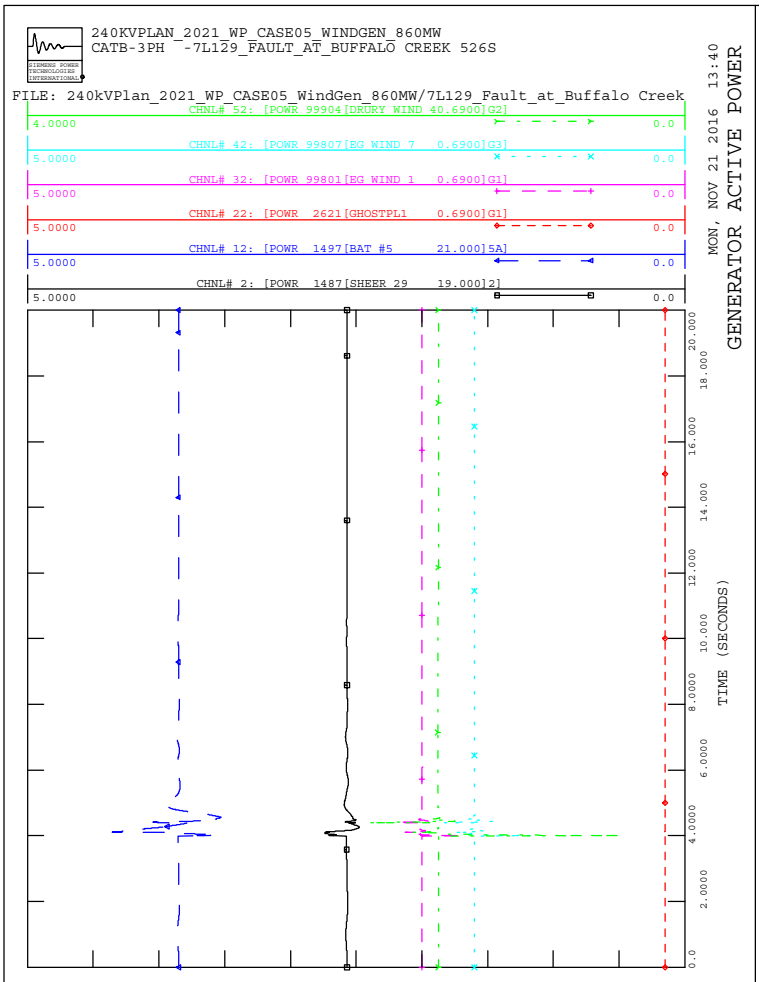
MON, NOV 21 2016 13:40
FREQUENCY

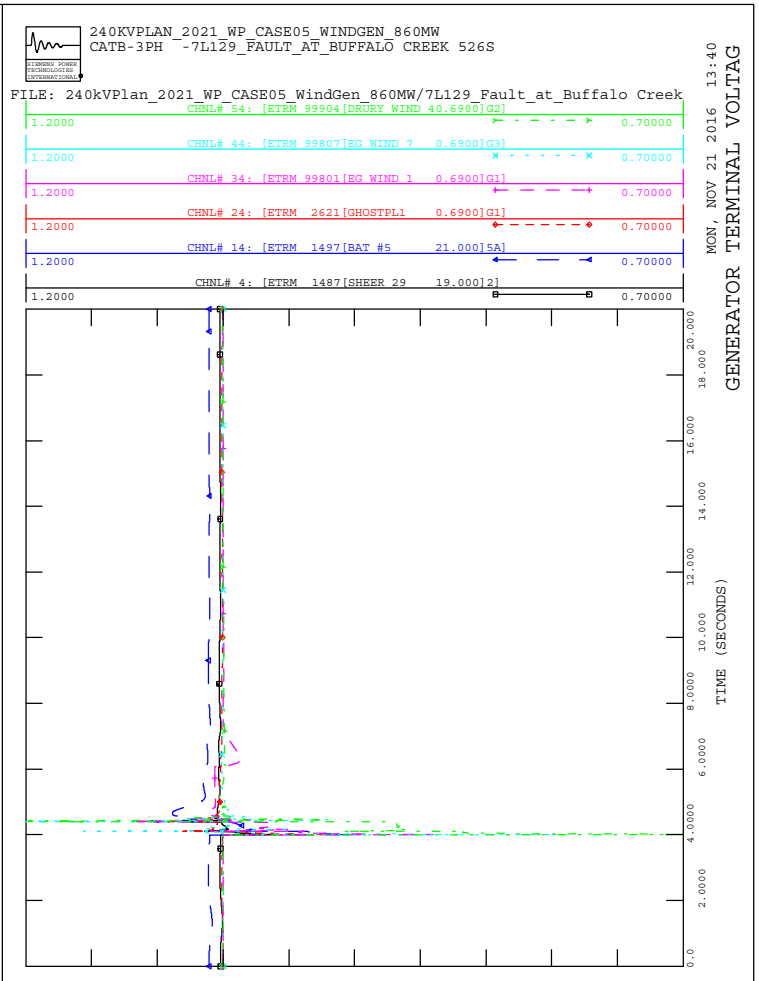
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S

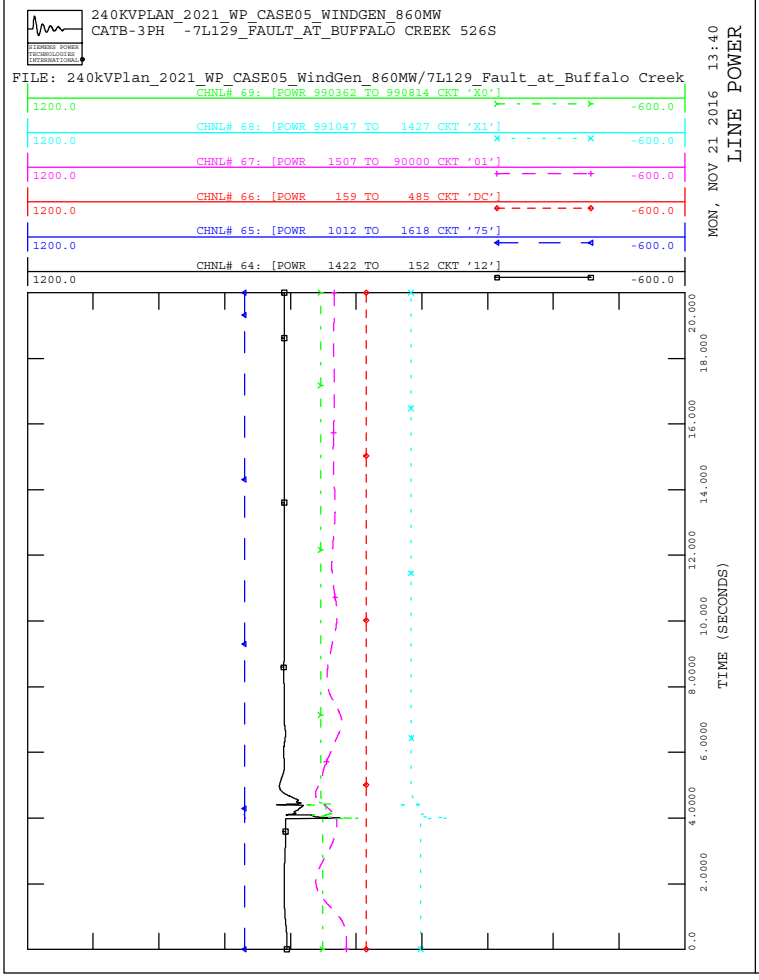
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek

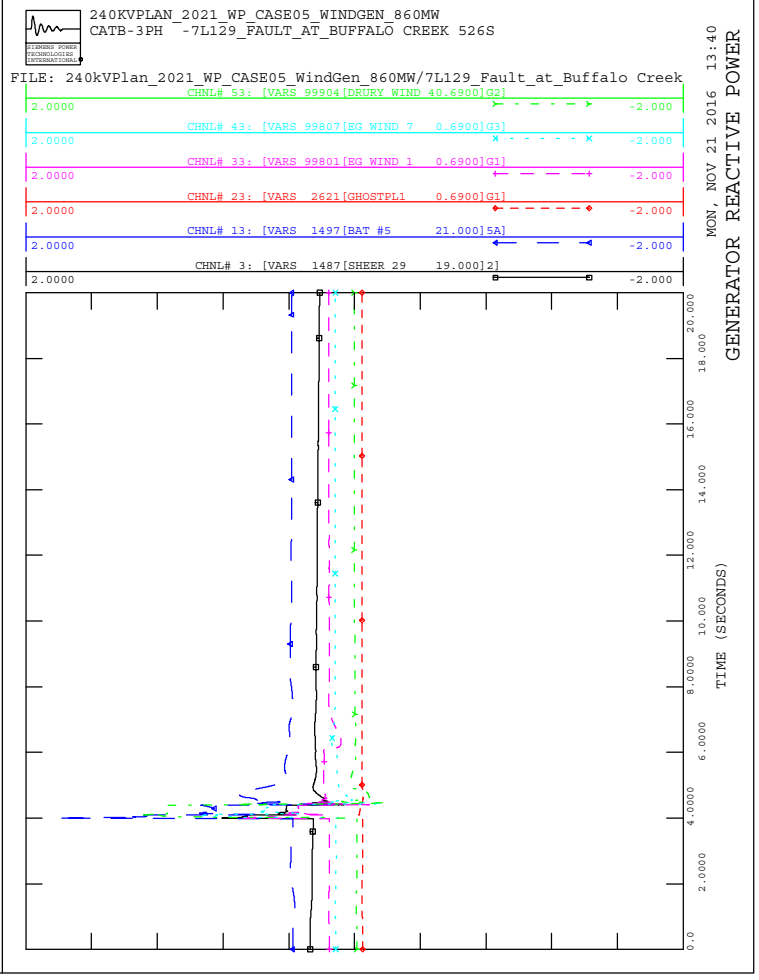


MON, NOV 21 2016 13:40
MACHINE ANGEL


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:40
LINE POWER
TIME (SECONDS)

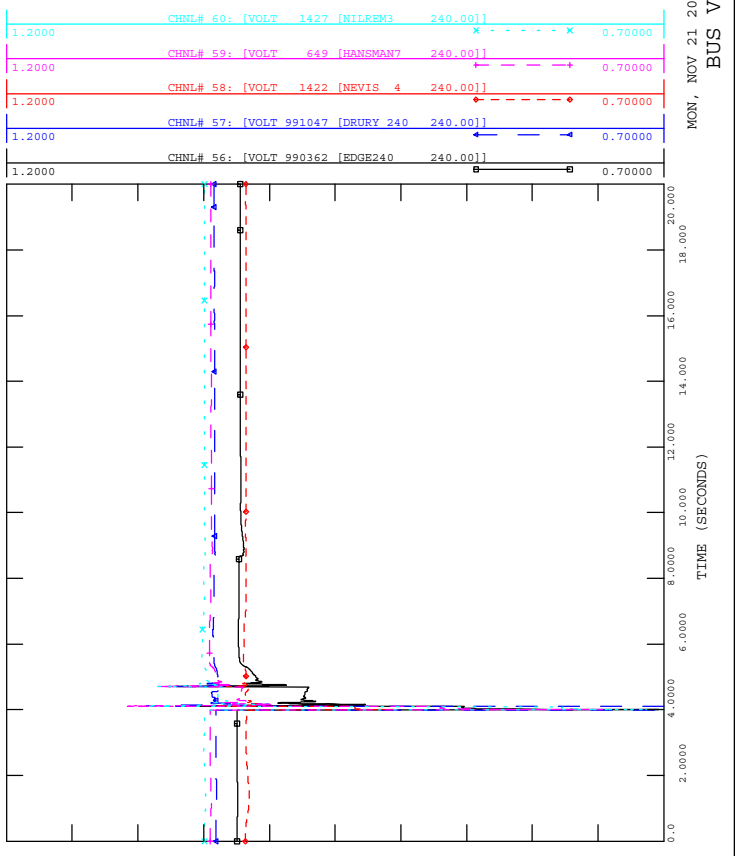

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 13:40

BUS VOLTAGE

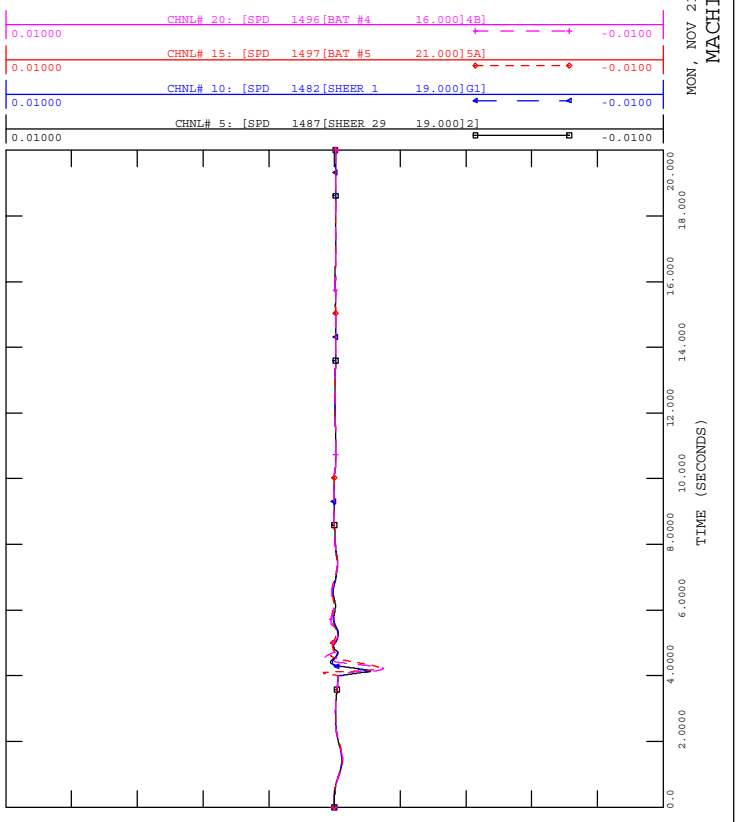


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 13:40

MACHINE SPEED

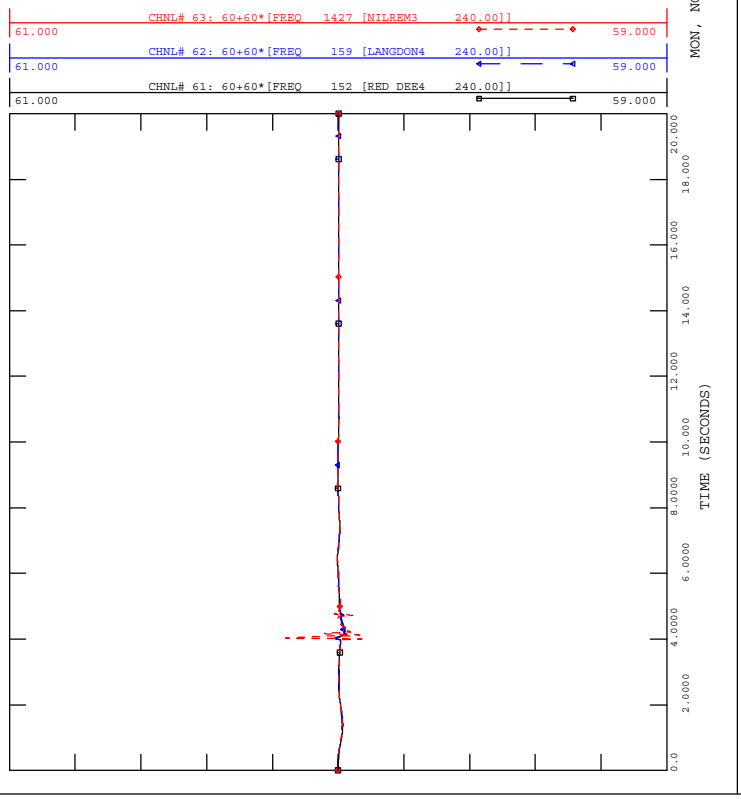


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 13:40

FREQUENCY

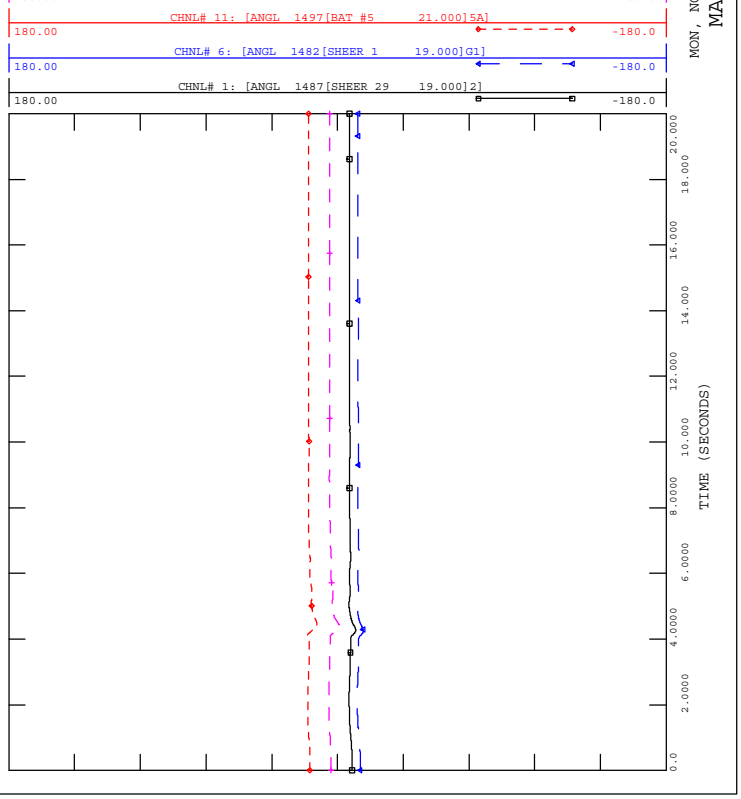


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71

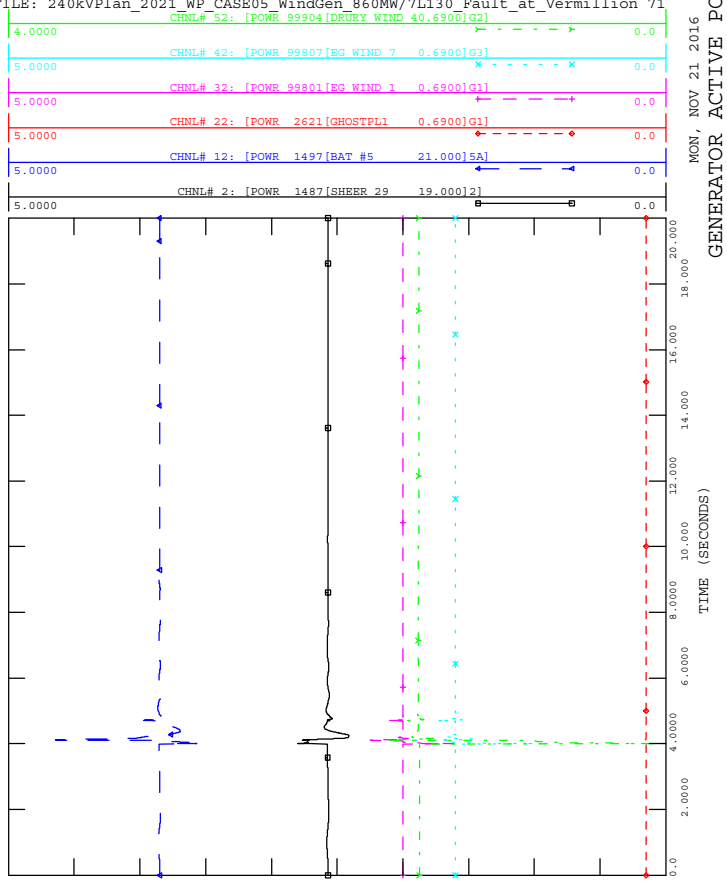
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

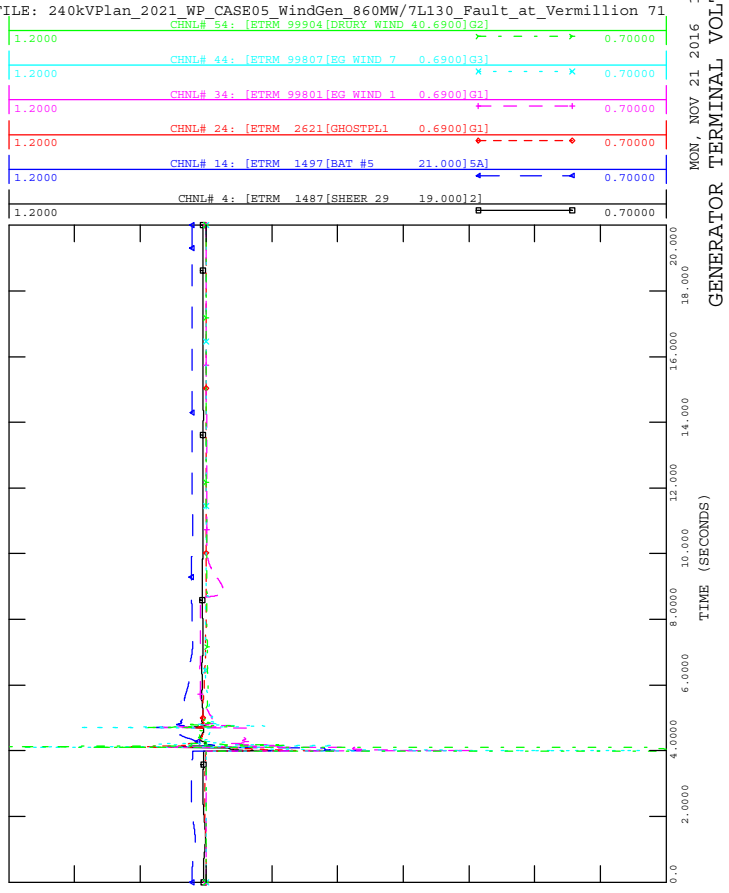
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

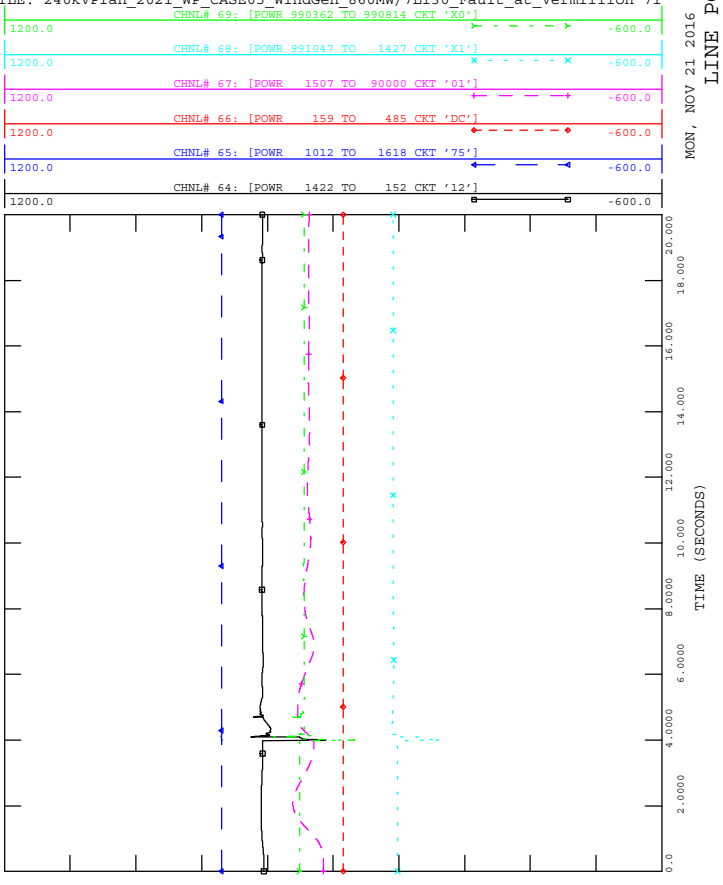
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

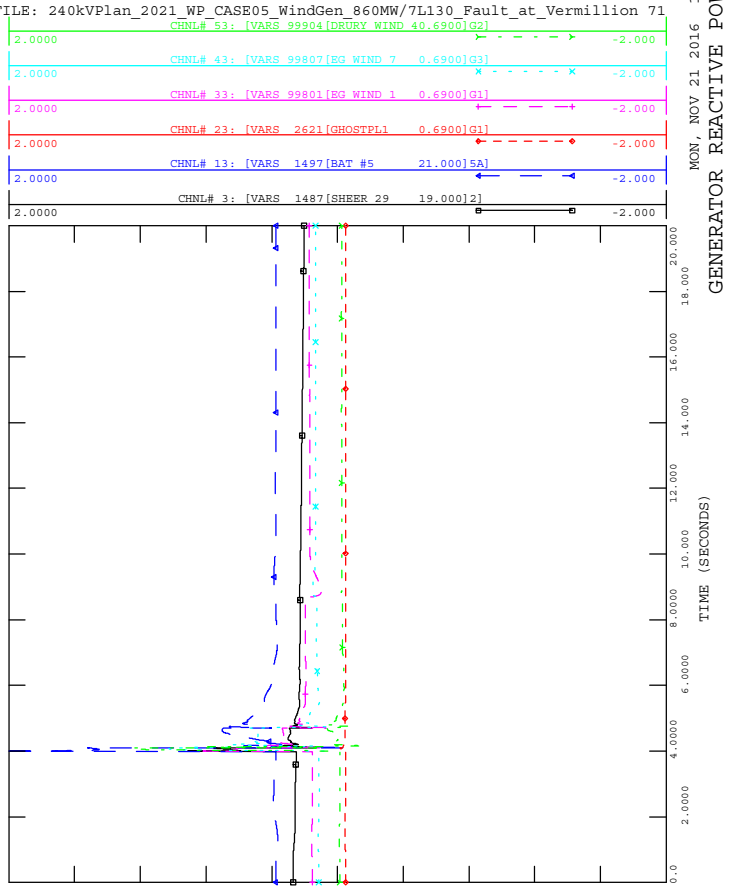
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71



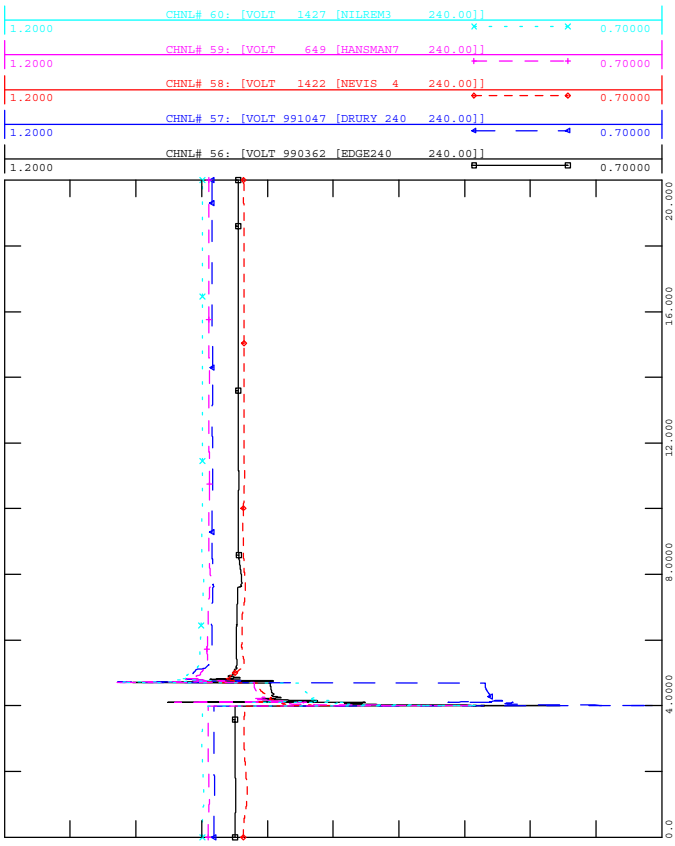
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S

MON, NOV 21 2016 13:40

BUS VOLTAGE

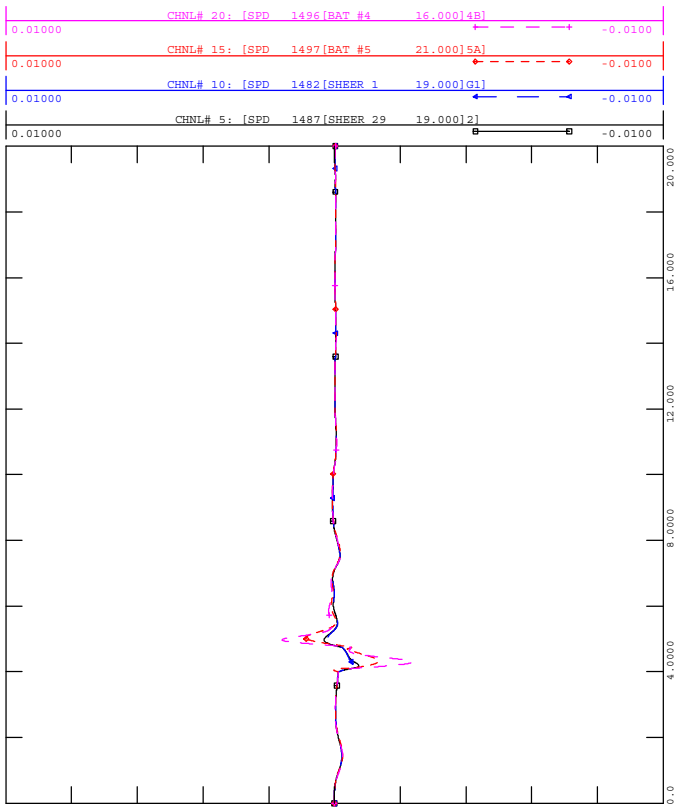


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S

MON, NOV 21 2016 13:40

MACHINE SPEED

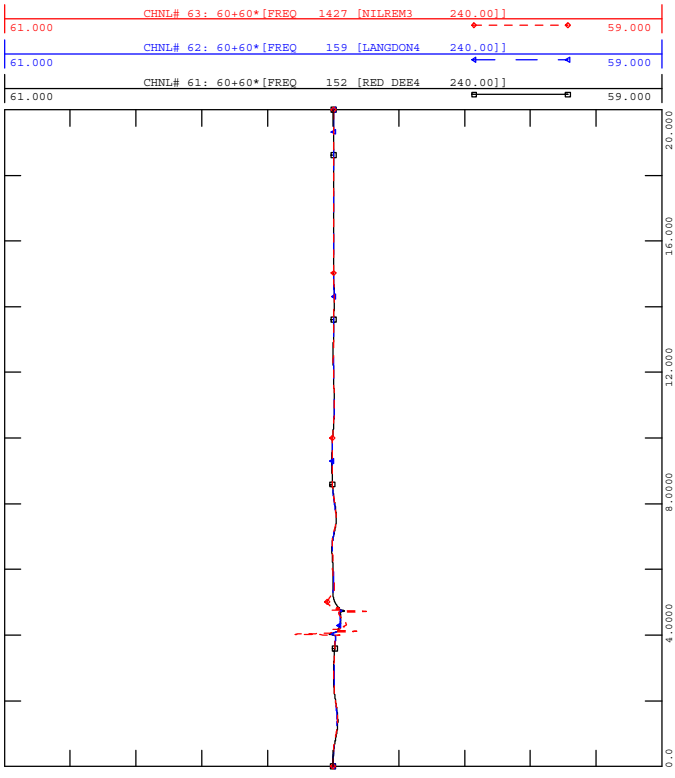


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S

MON, NOV 21 2016 13:40

FREQUENCY

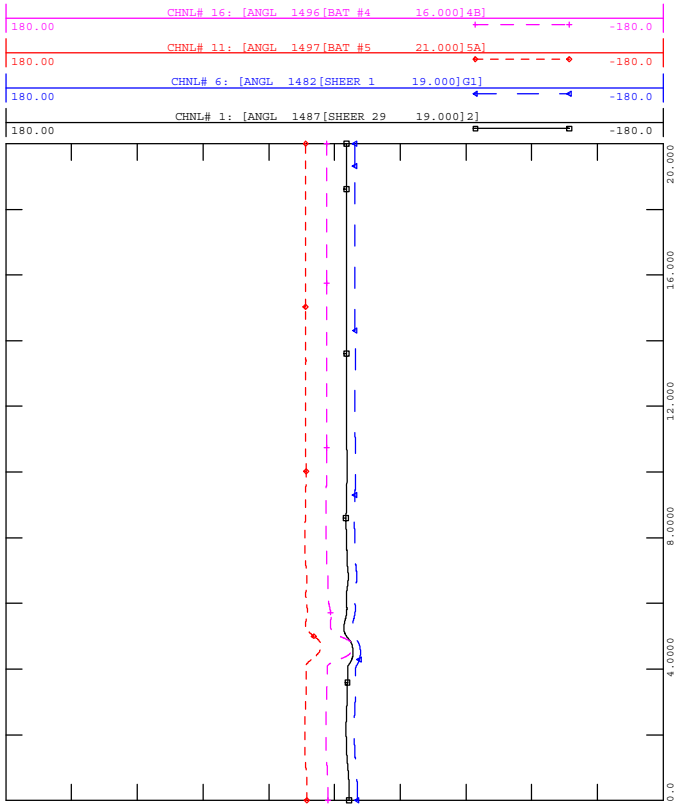


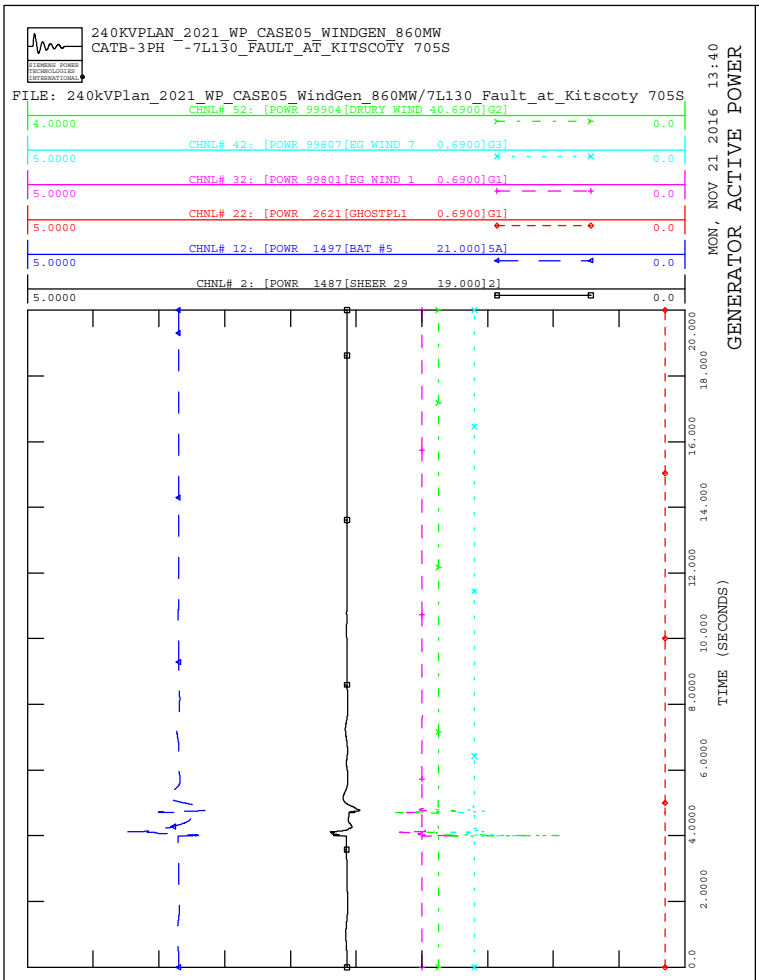
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S

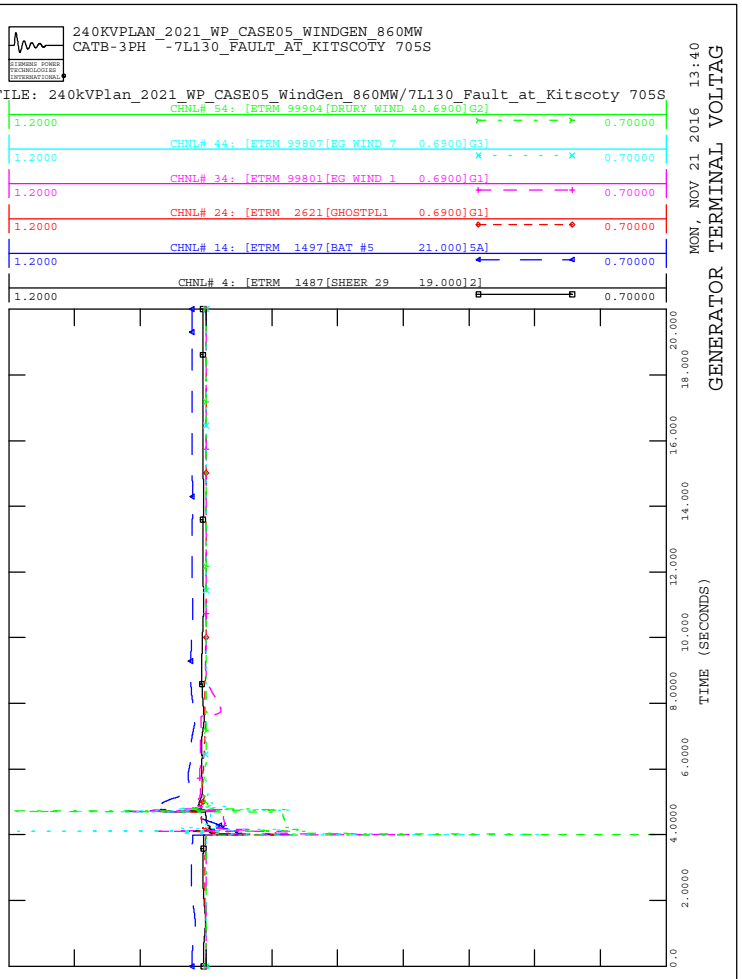
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S

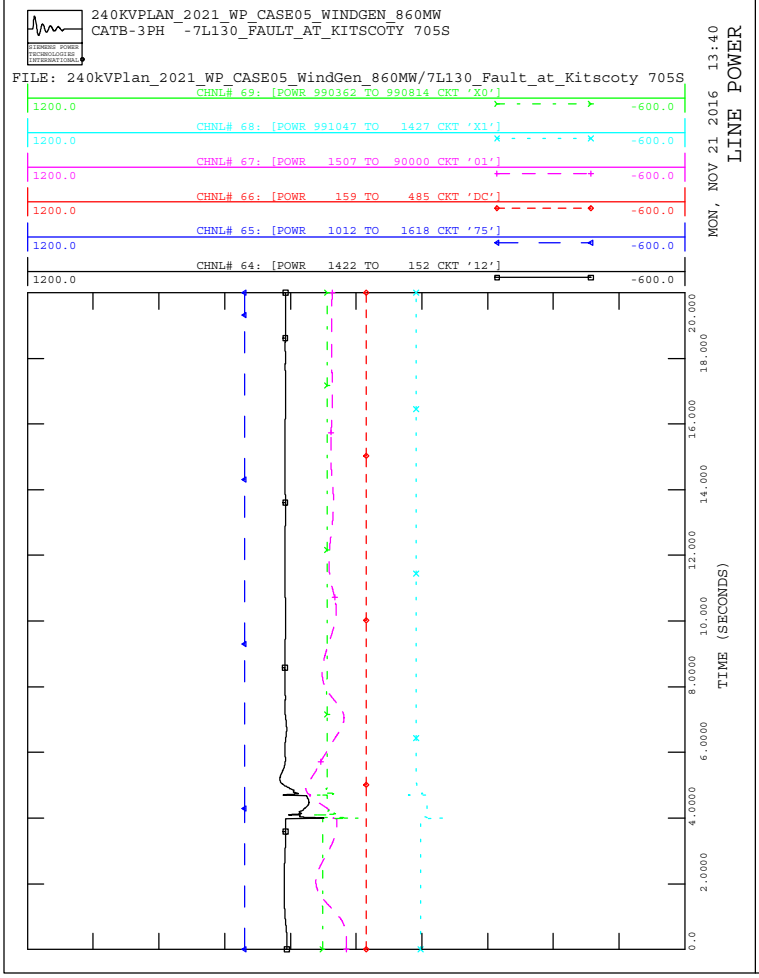
MON, NOV 21 2016 13:40

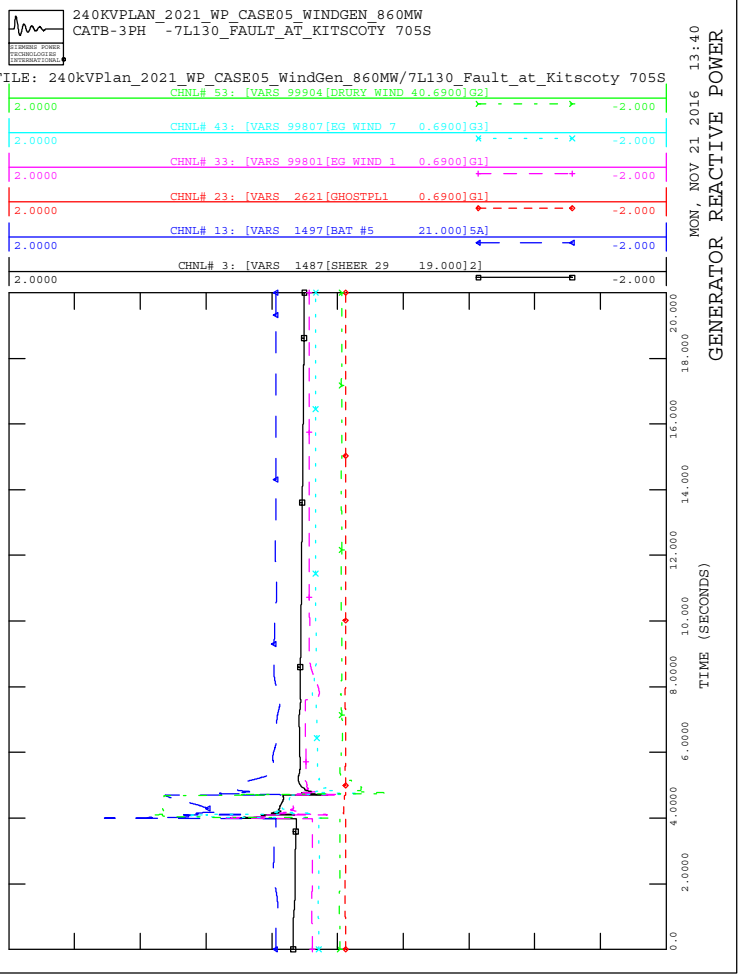
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

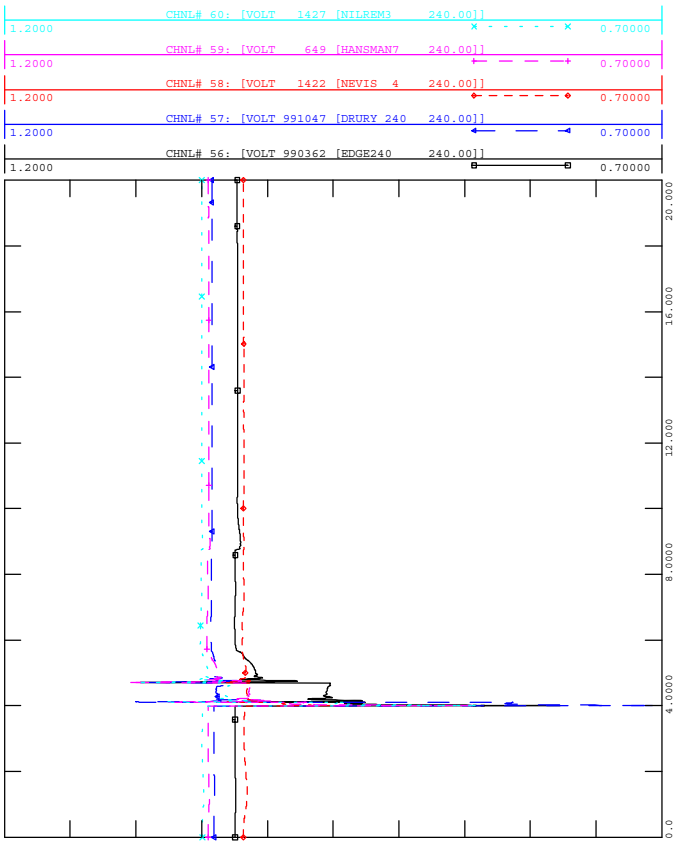

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L130_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

MON, NOV 21 2016 13:40

BUS VOLTAGE

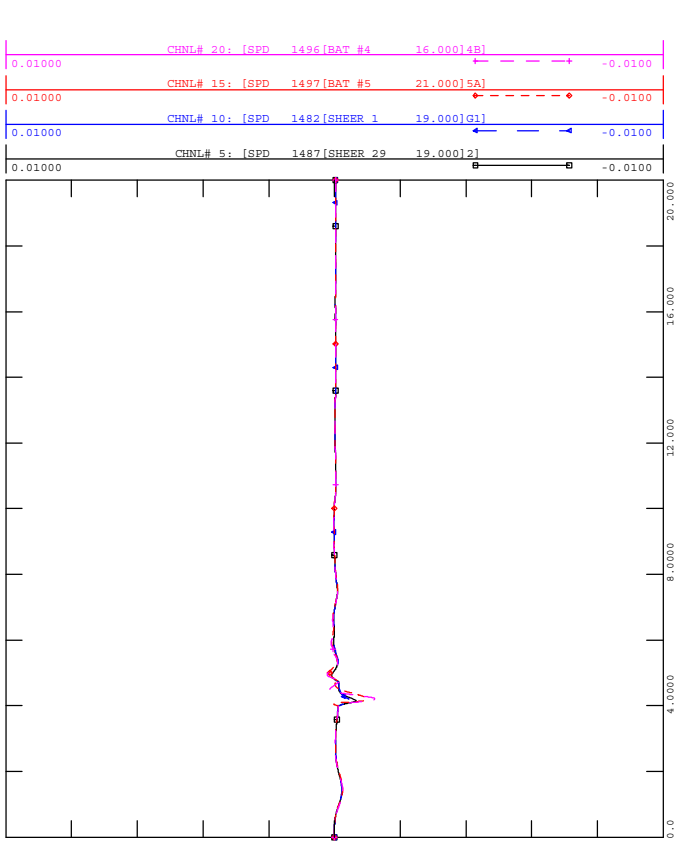


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

MON, NOV 21 2016 13:40

MACHINE SPEED

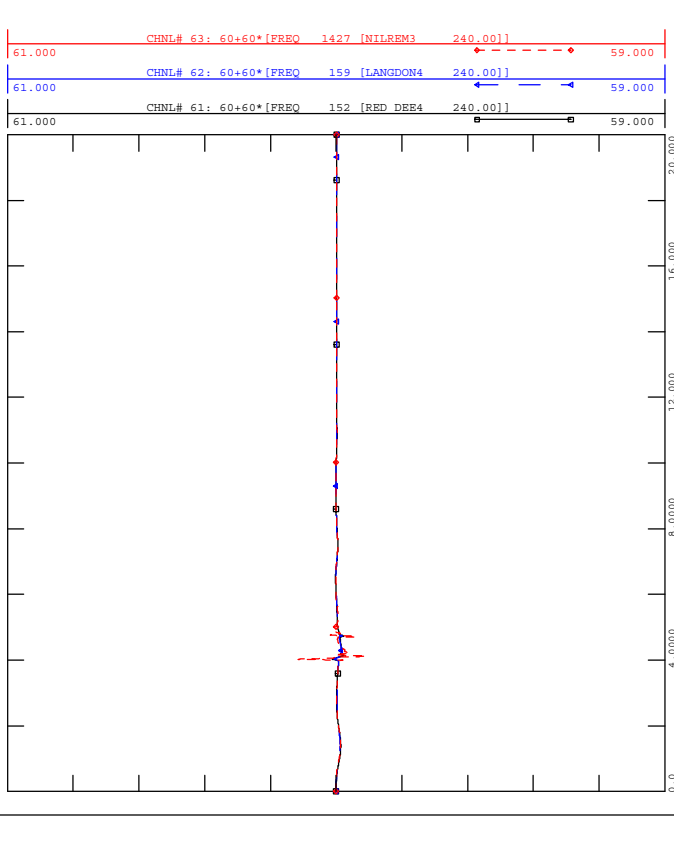


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

MON, NOV 21 2016 13:40

FREQUENCY

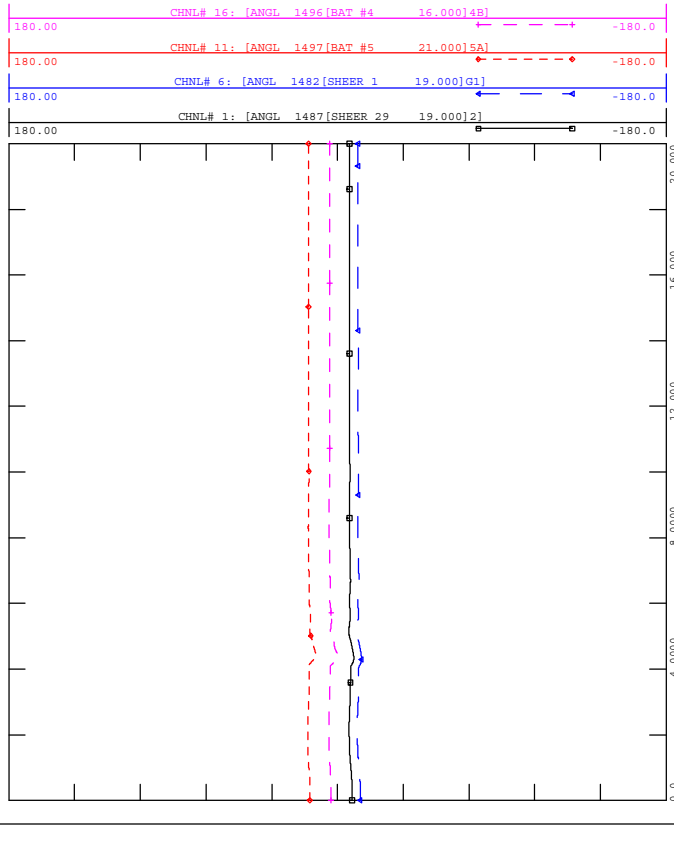


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

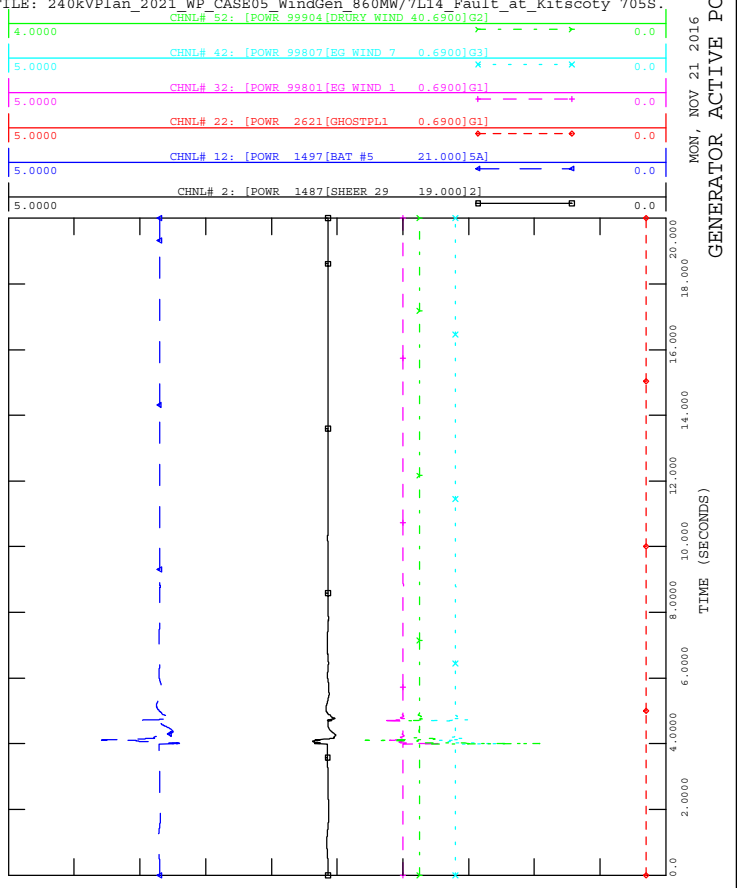
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

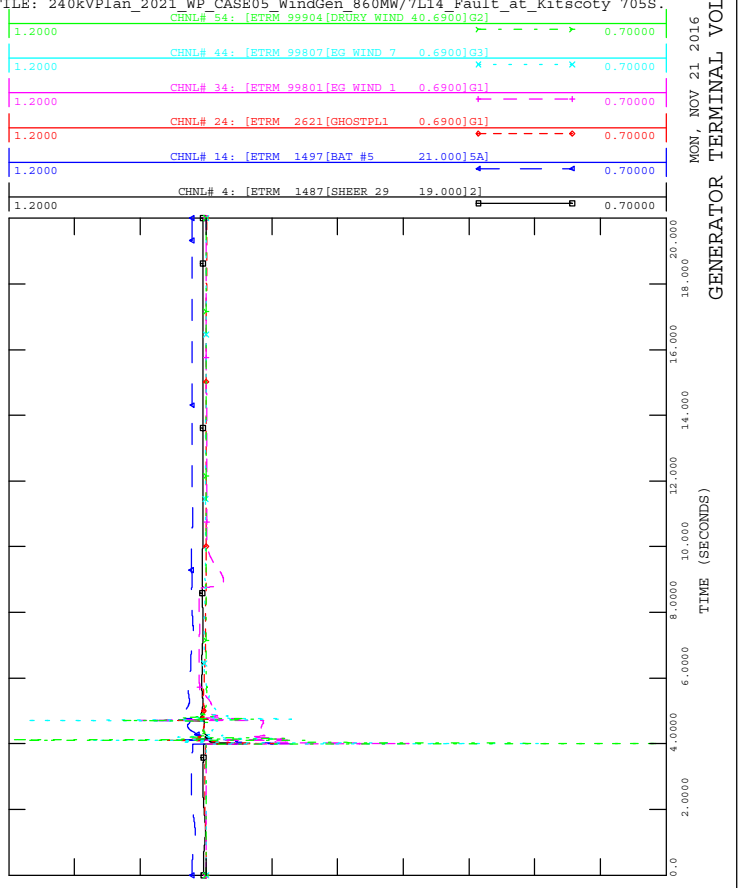
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

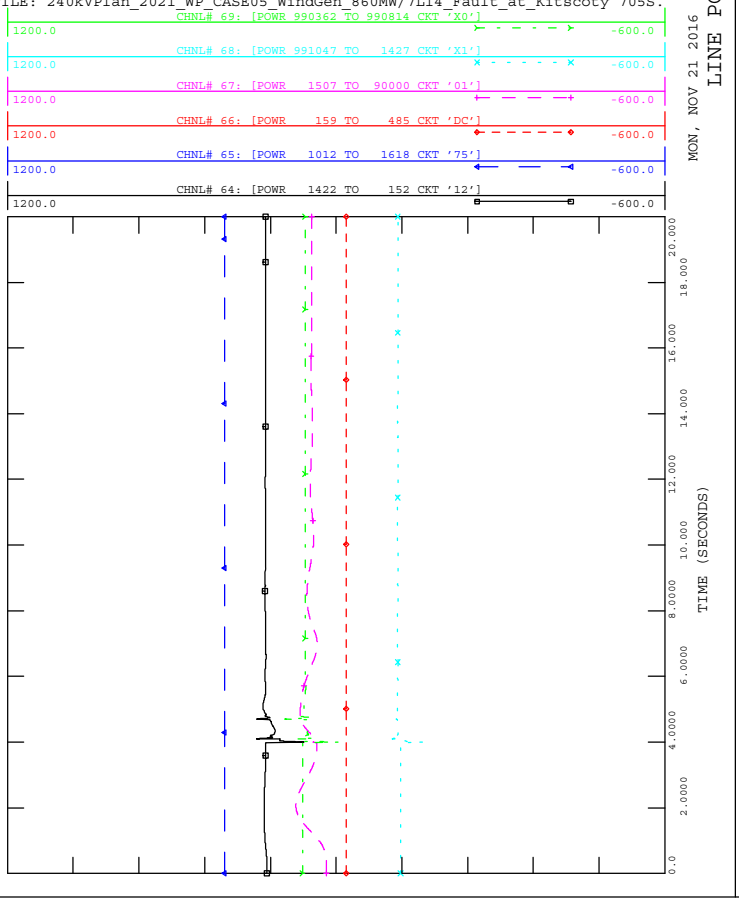
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

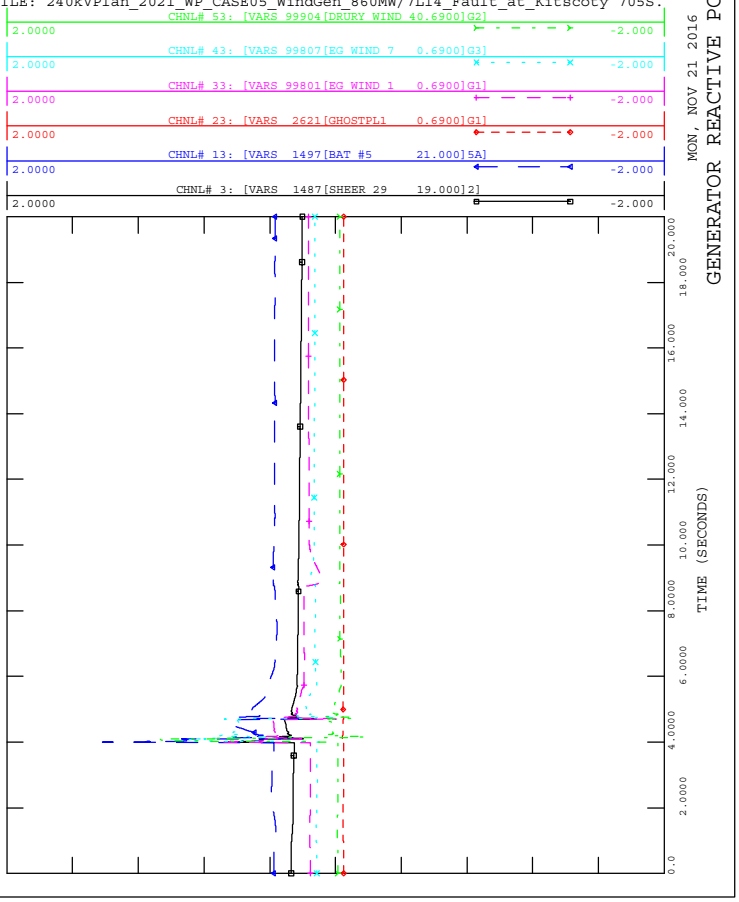
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



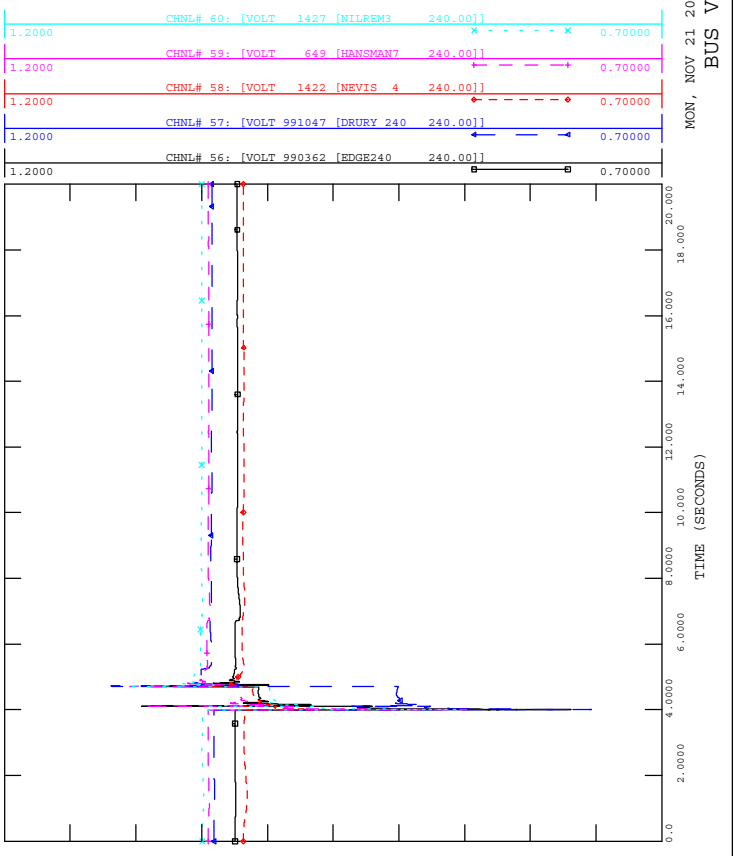
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:40

BUS VOLTAGE

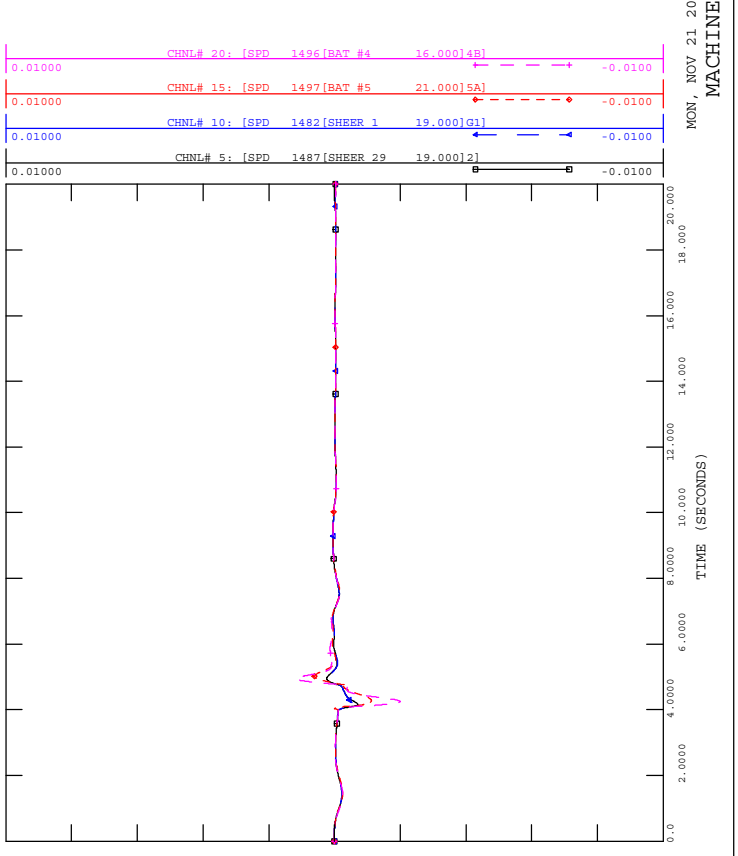


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:40

MACHINE SPEED

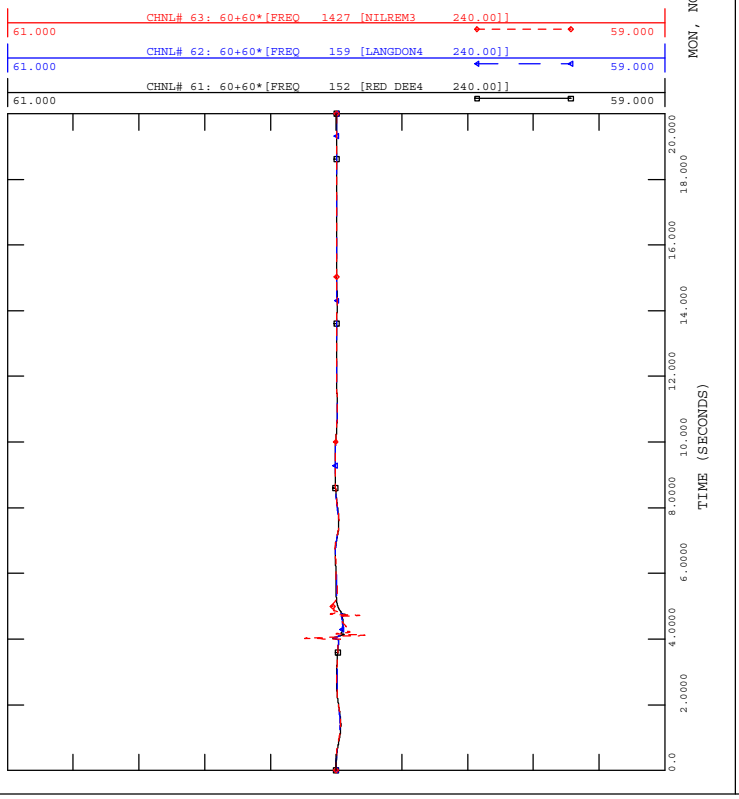


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:40

FREQUENCY

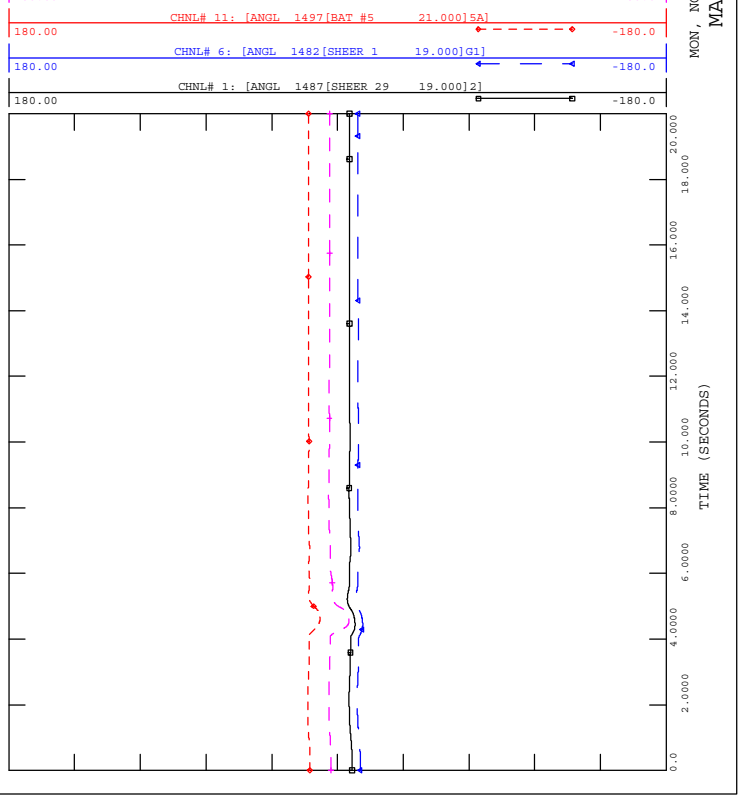


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

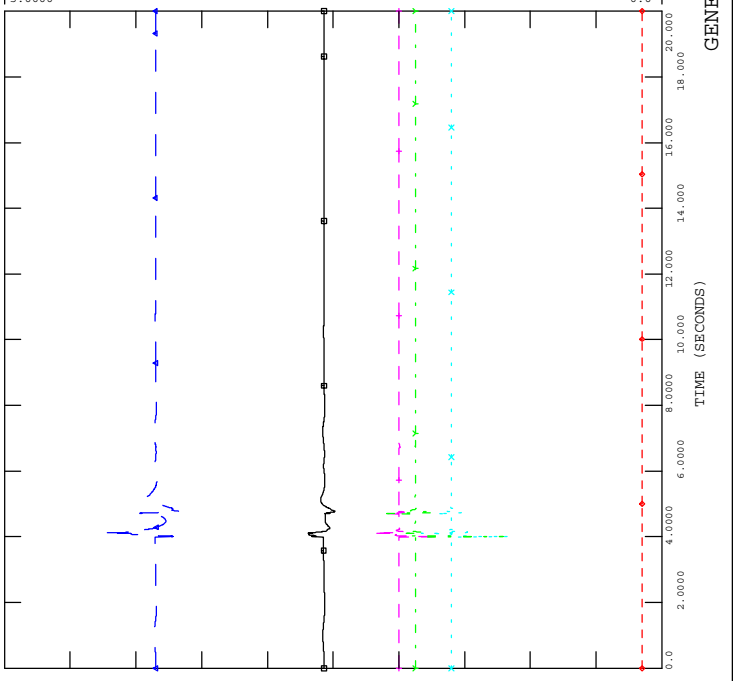
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

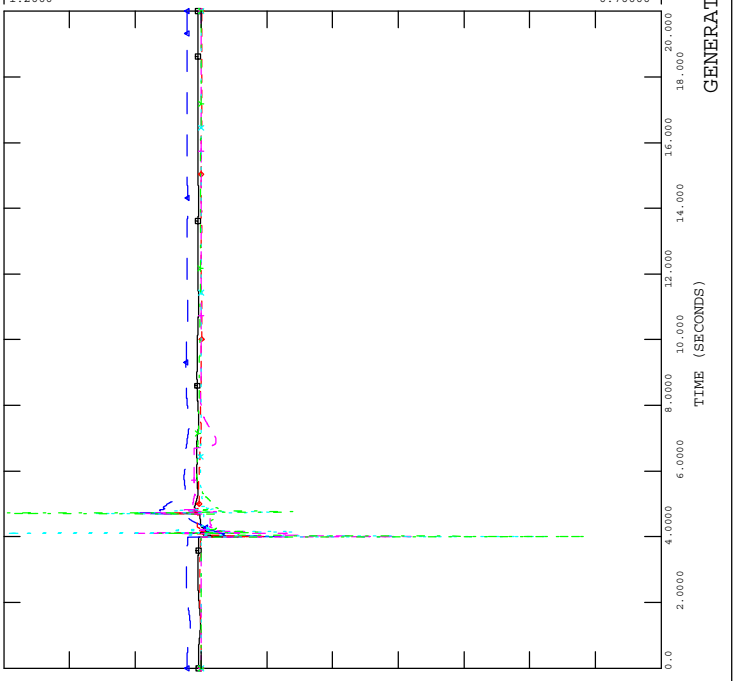
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

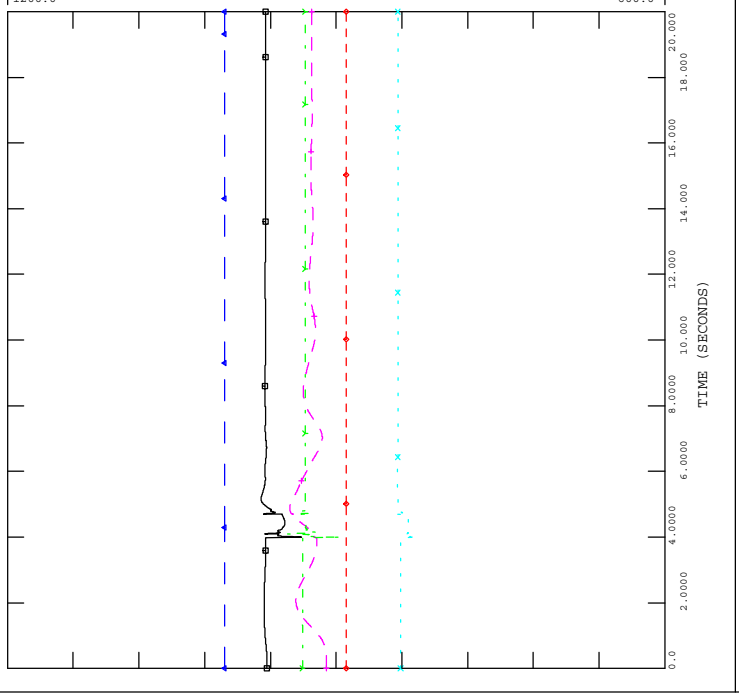
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:40

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L14_FAULT_AT_HILL 751S

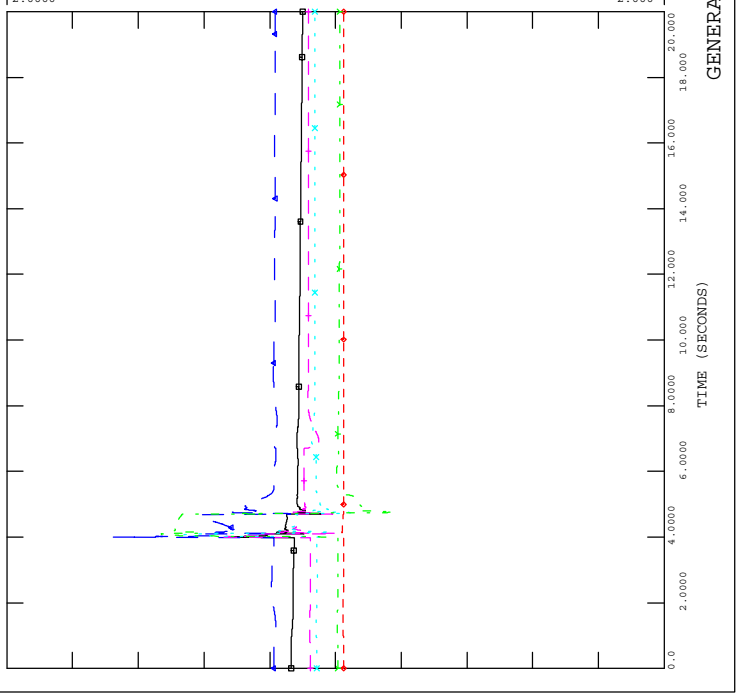
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:40

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:40

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:40

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:40

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 13:40

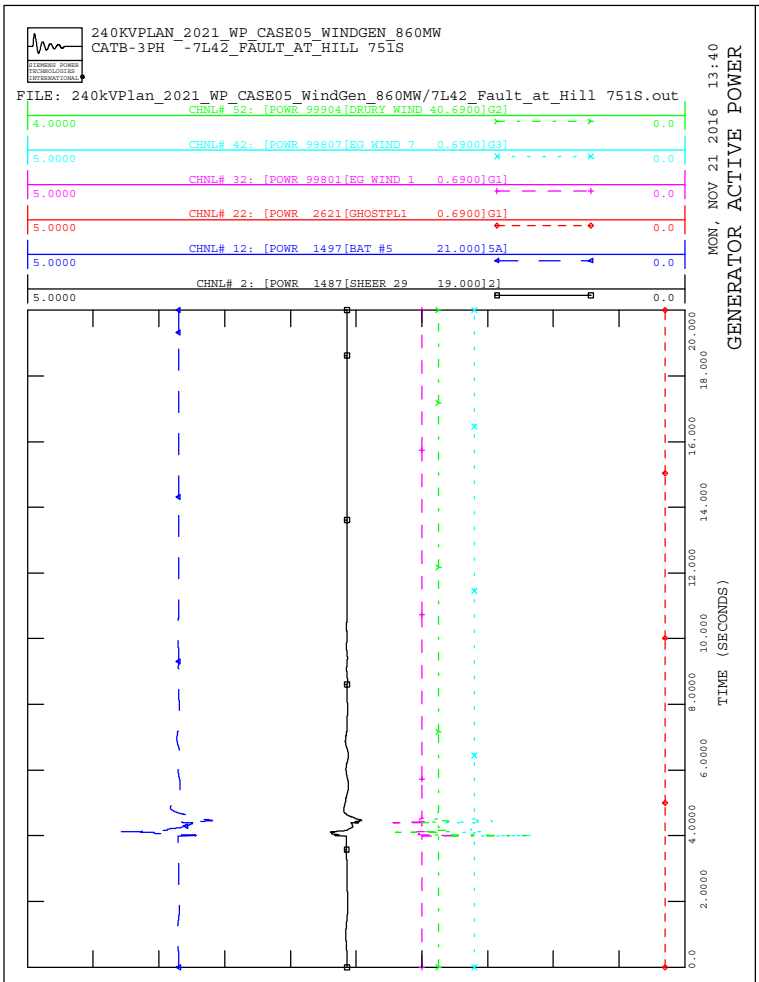
MACHINE ANGEL

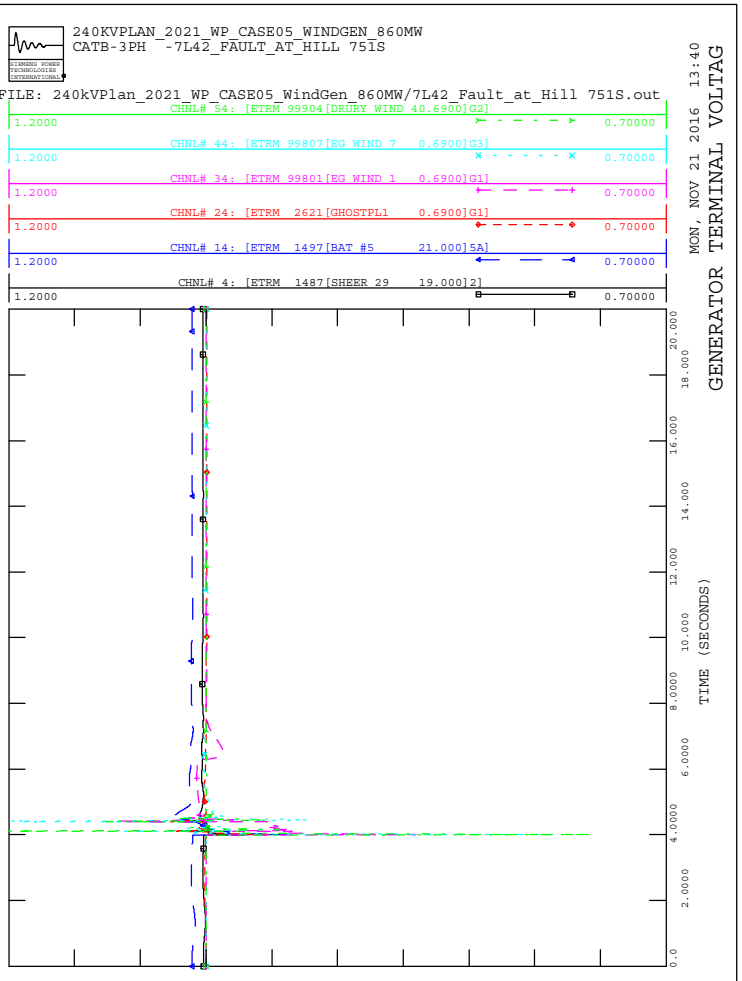
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

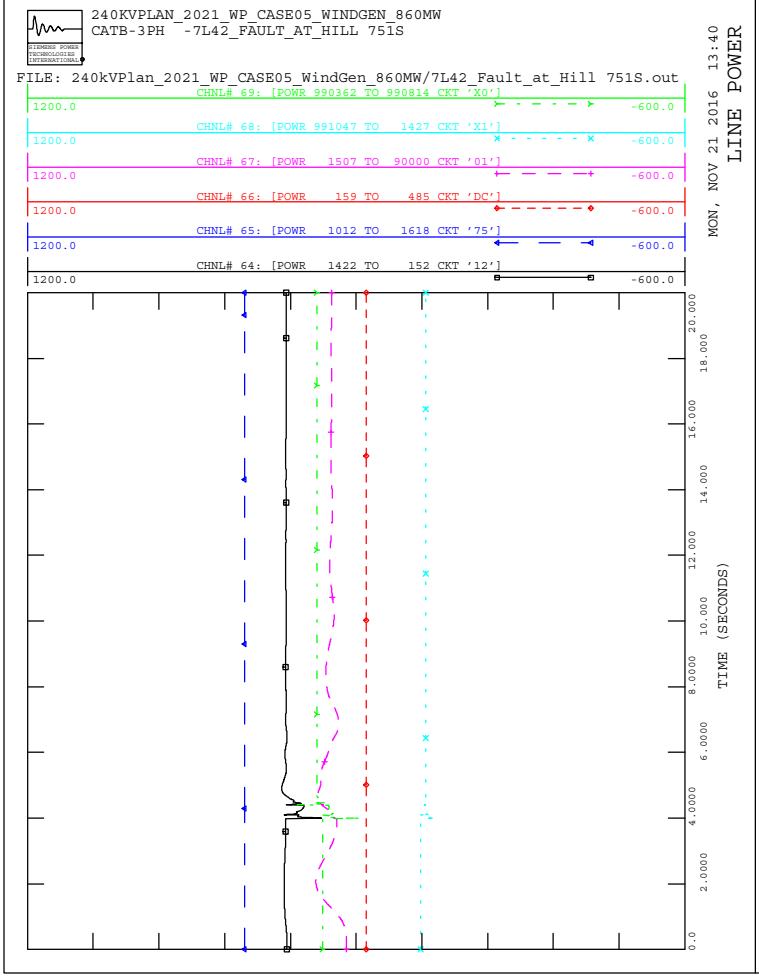
180.00 / -180.0

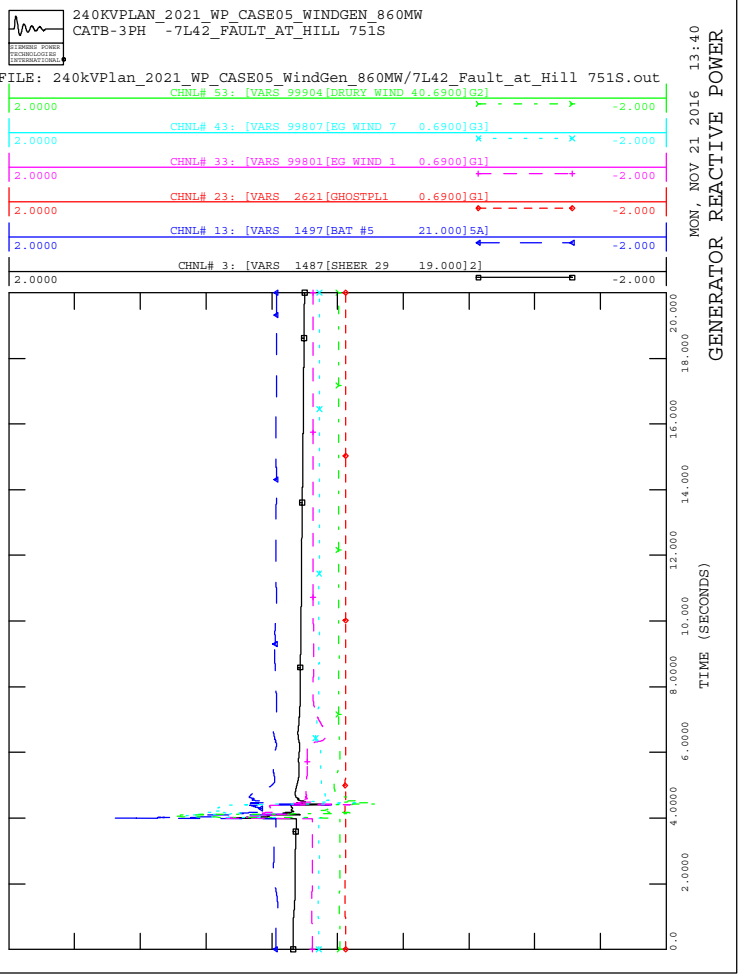
TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

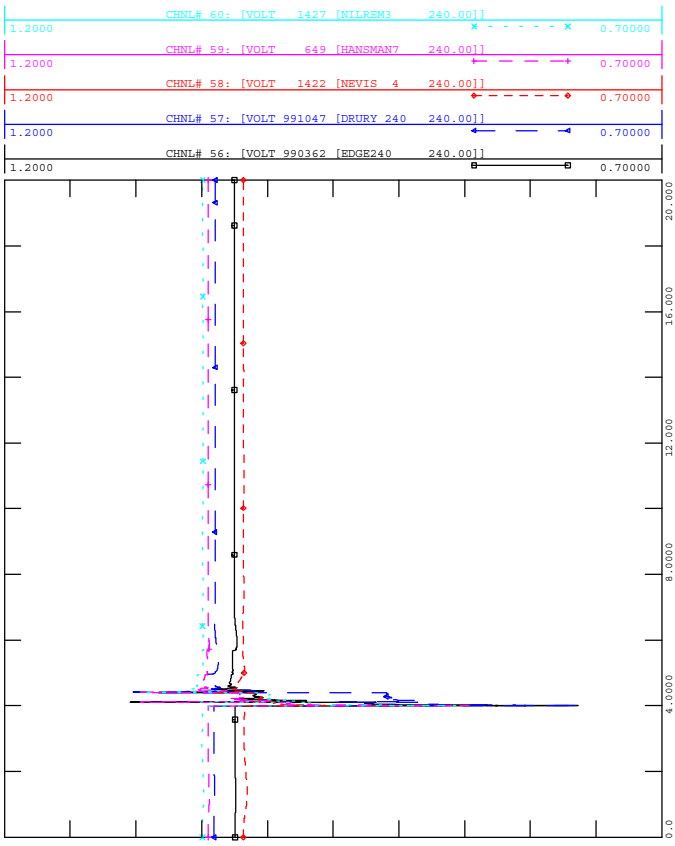

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7

MON, NOV 21 2016 13:40

BUS VOLTAGE

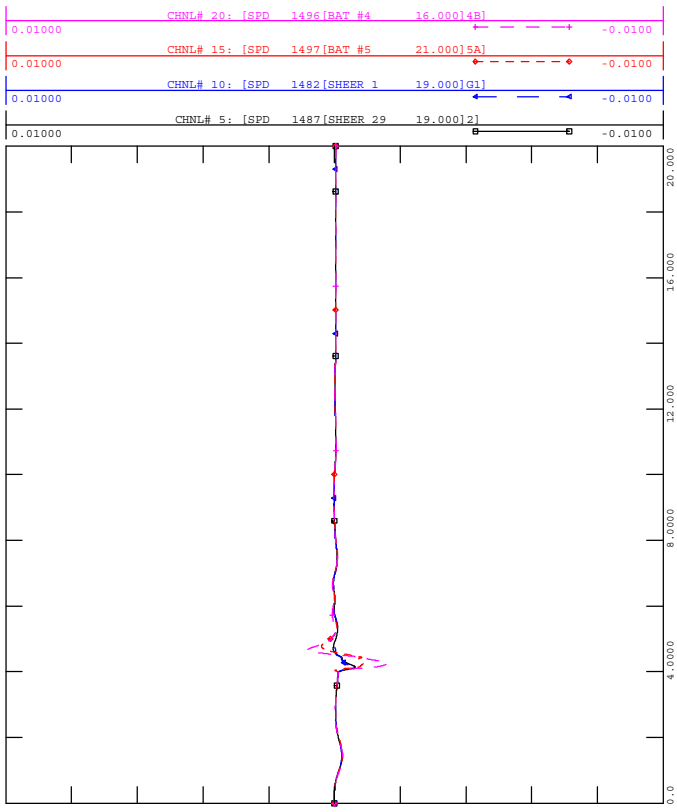


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7

MON, NOV 21 2016 13:40

MACHINE SPEED

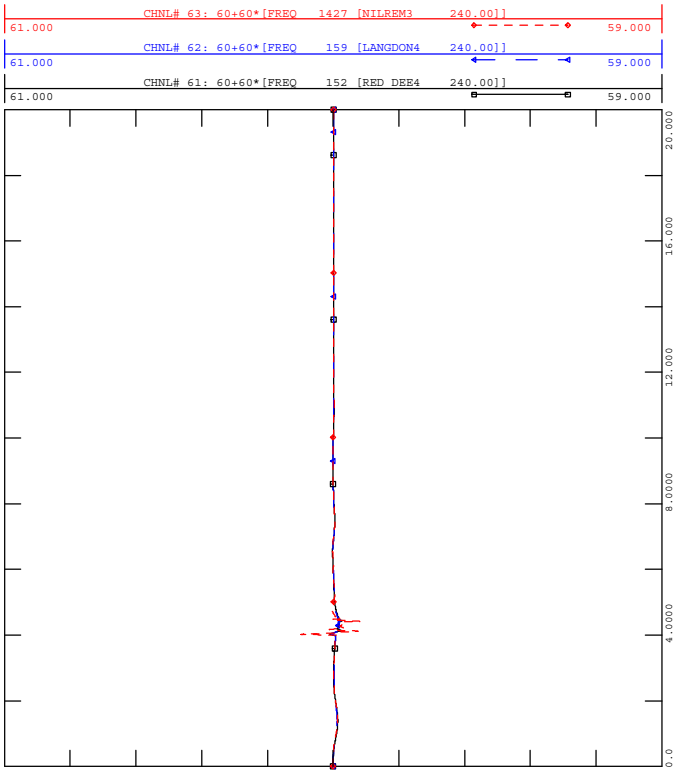


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7

MON, NOV 21 2016 13:40

FREQUENCY

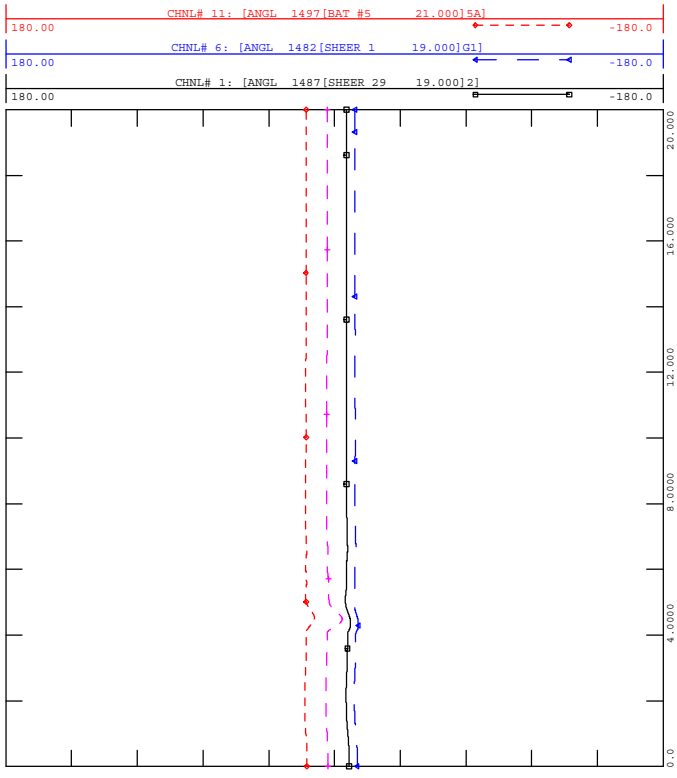


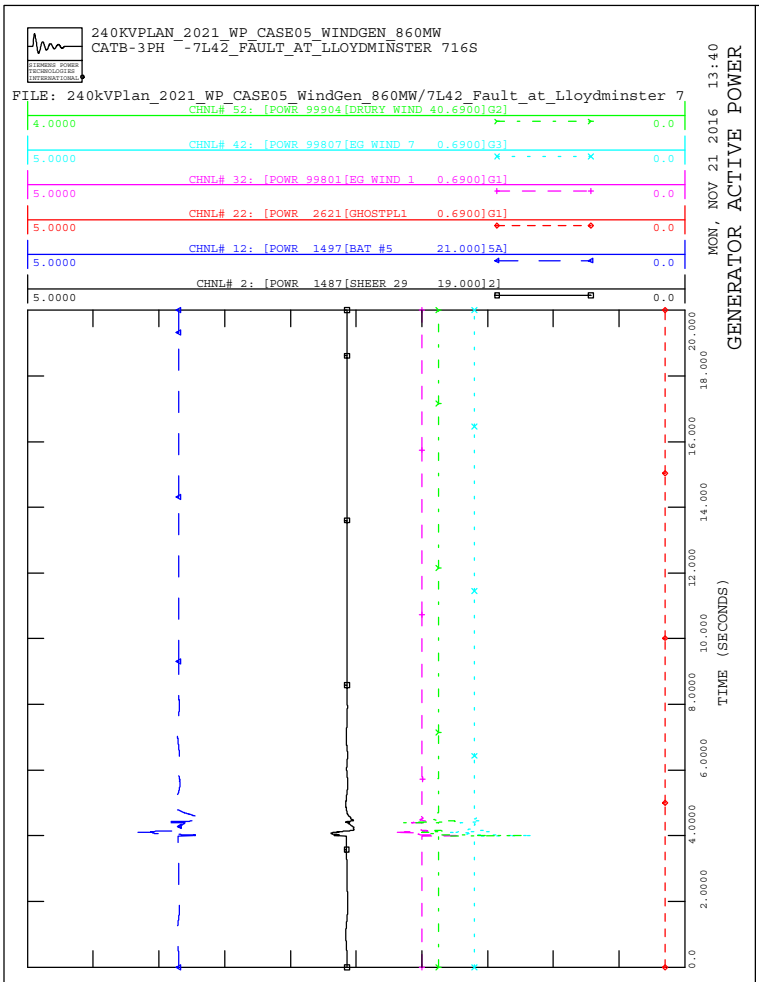
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S

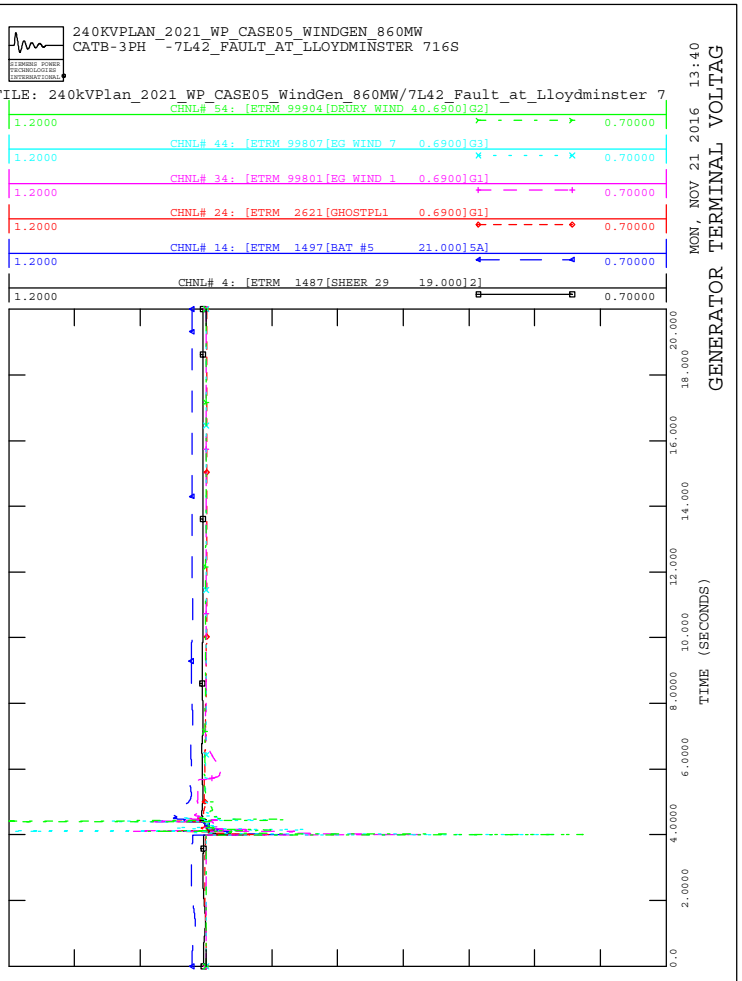
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7

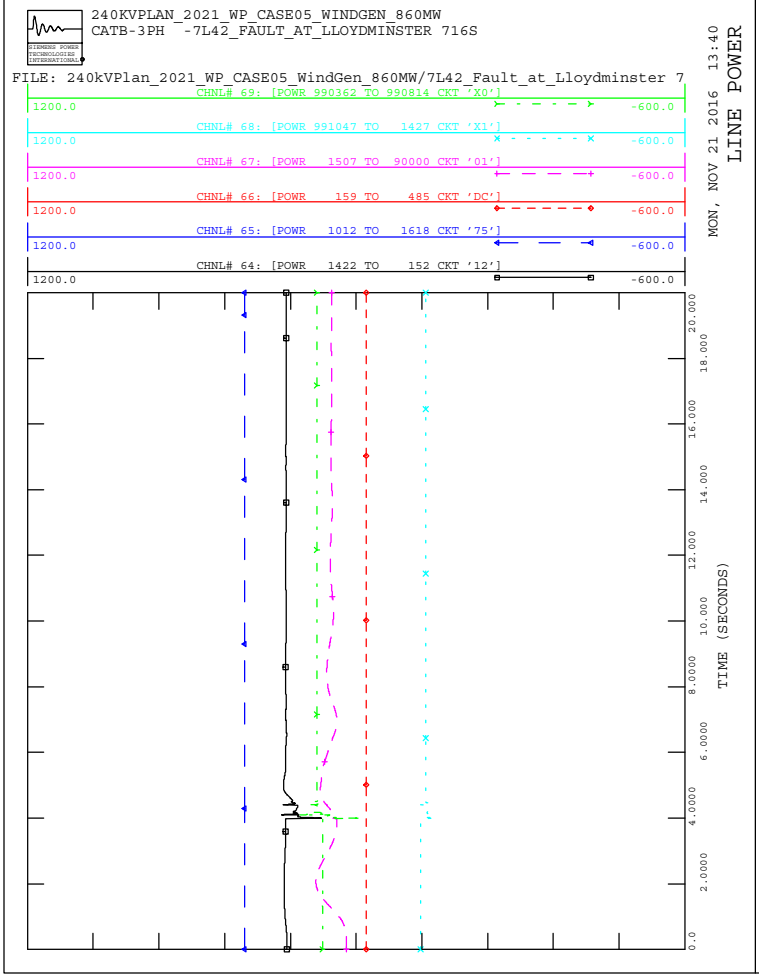
MON, NOV 21 2016 13:40

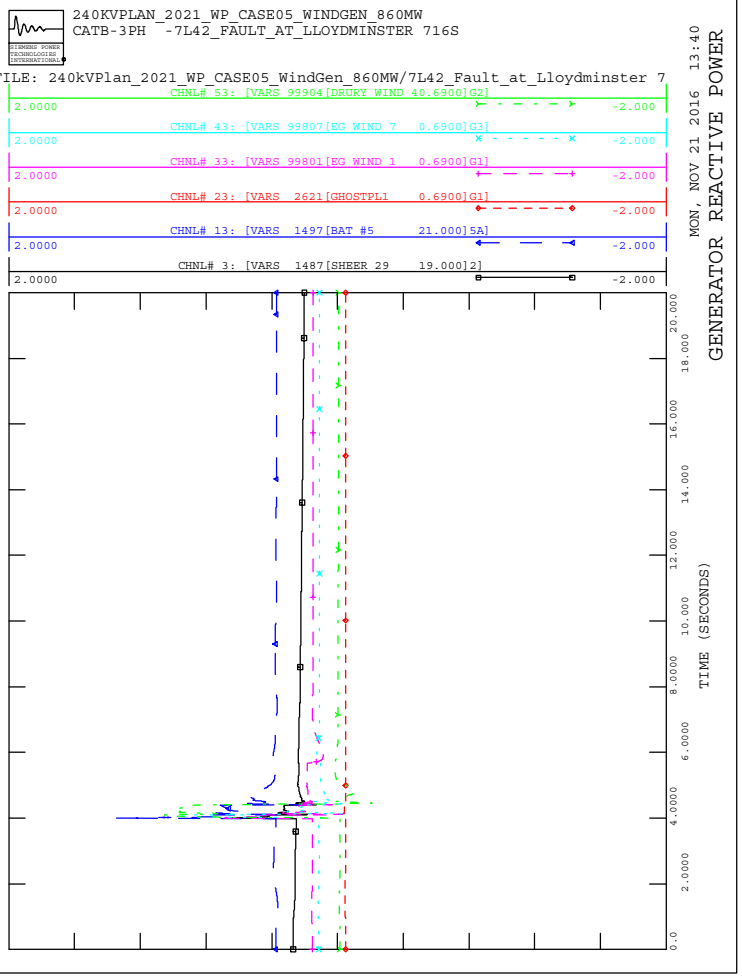
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

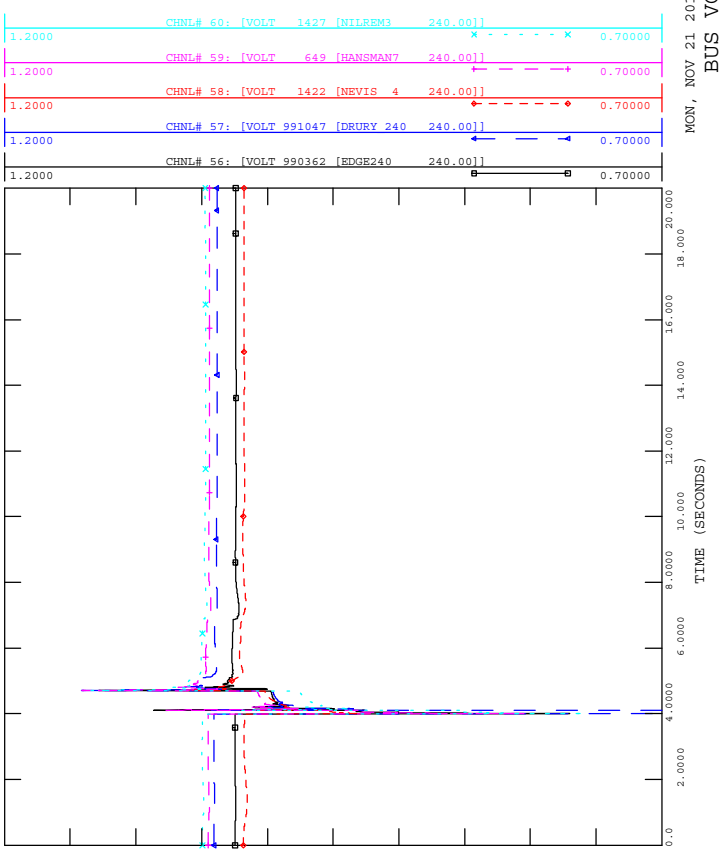

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 13:40

BUS VOLTAGE

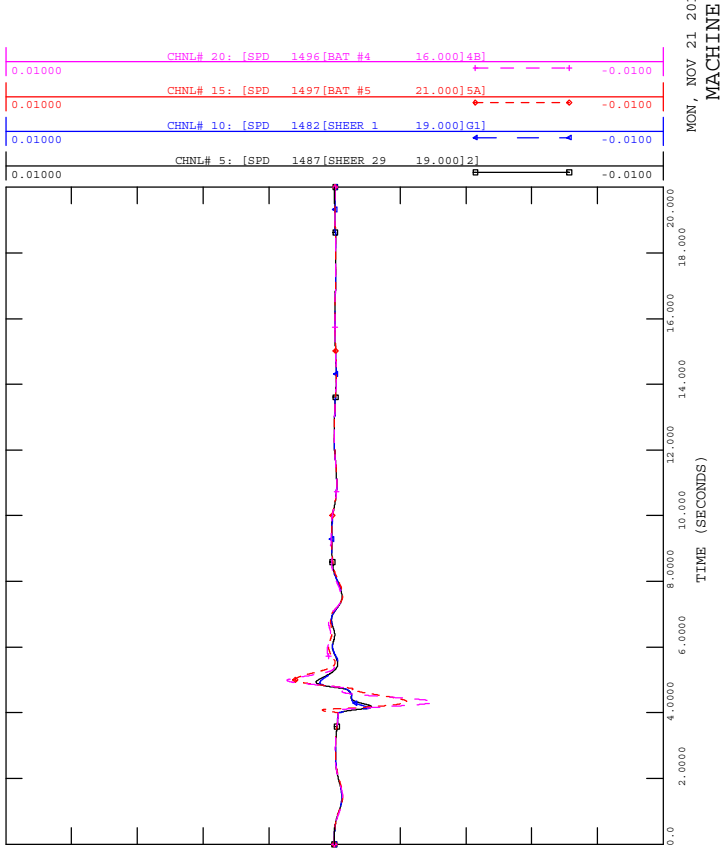


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 13:40

MACHINE SPEED

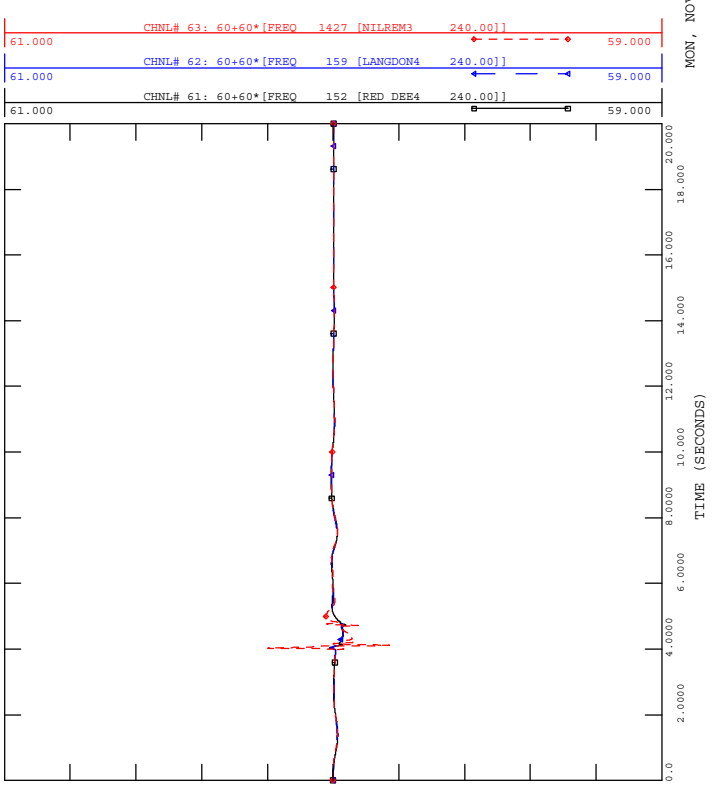


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 13:40

FREQUENCY

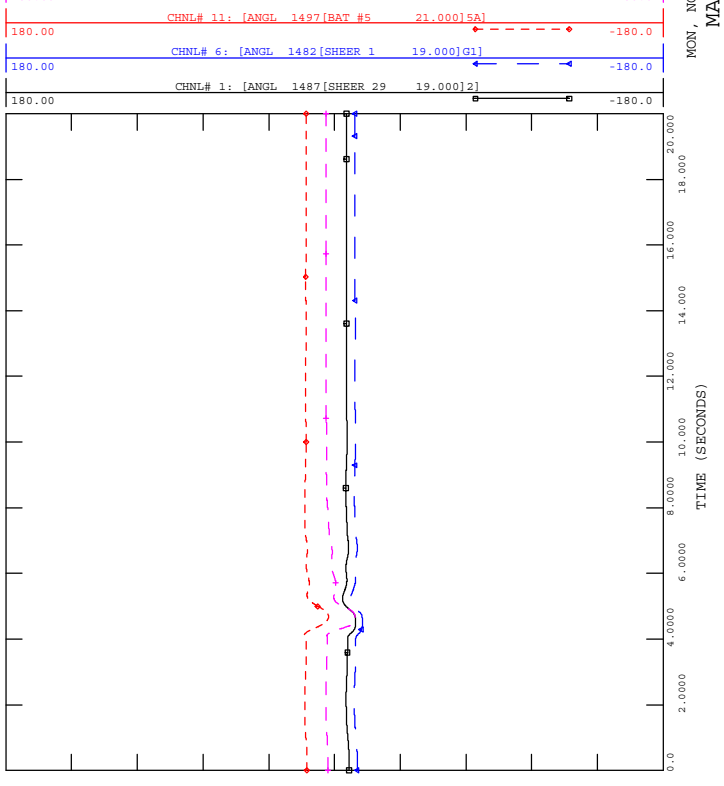


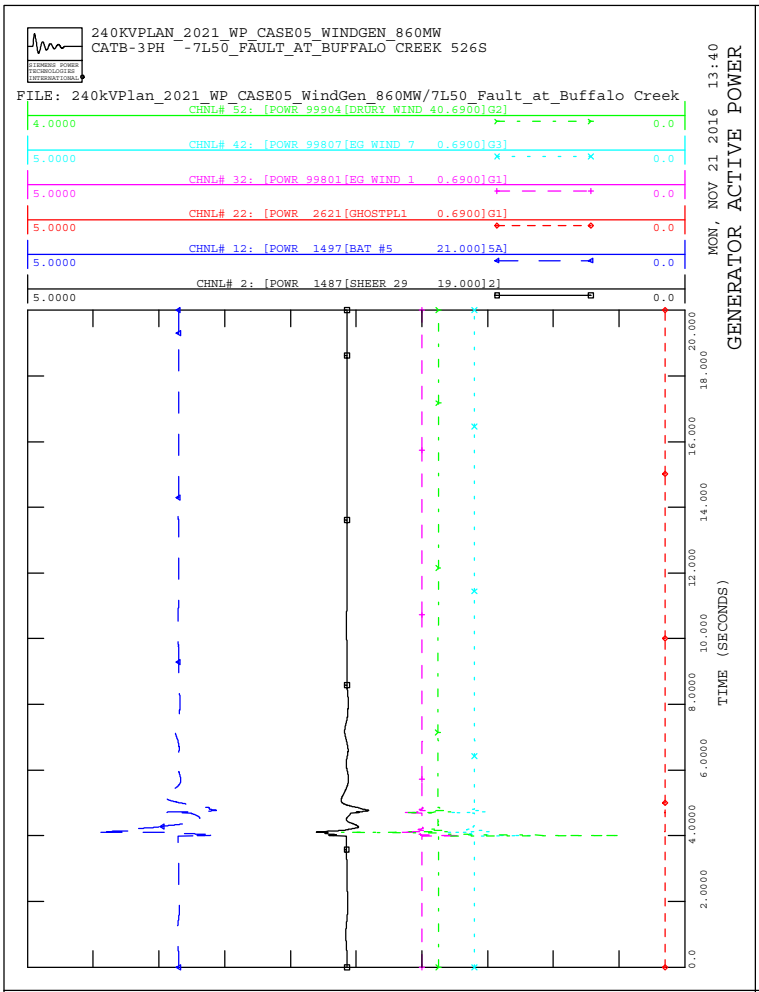
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S

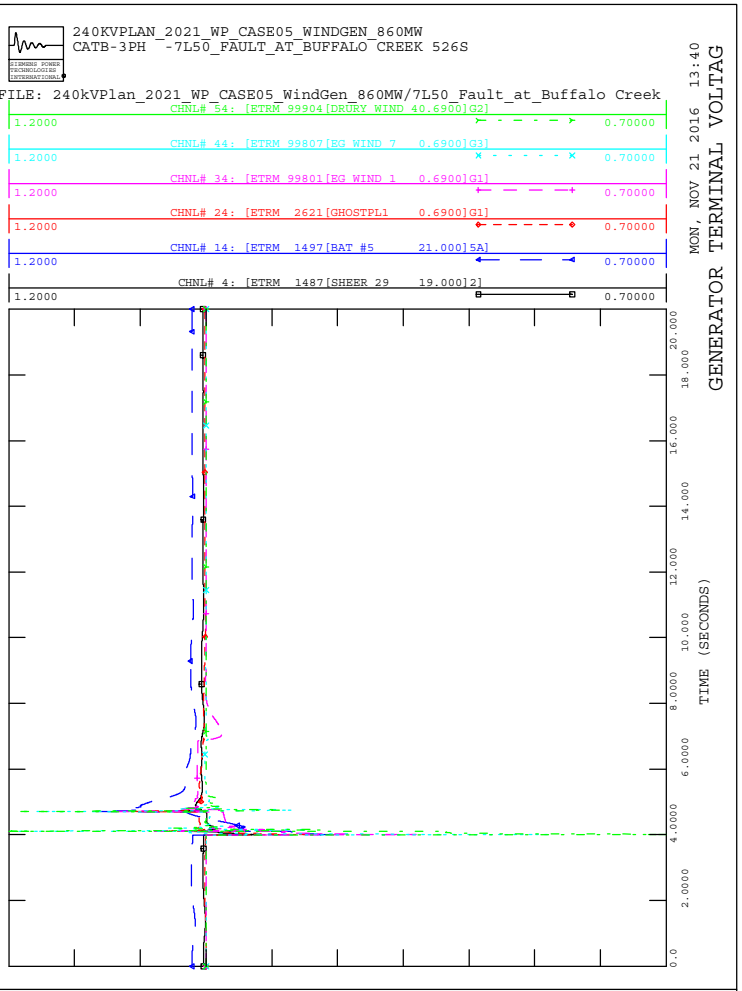
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek

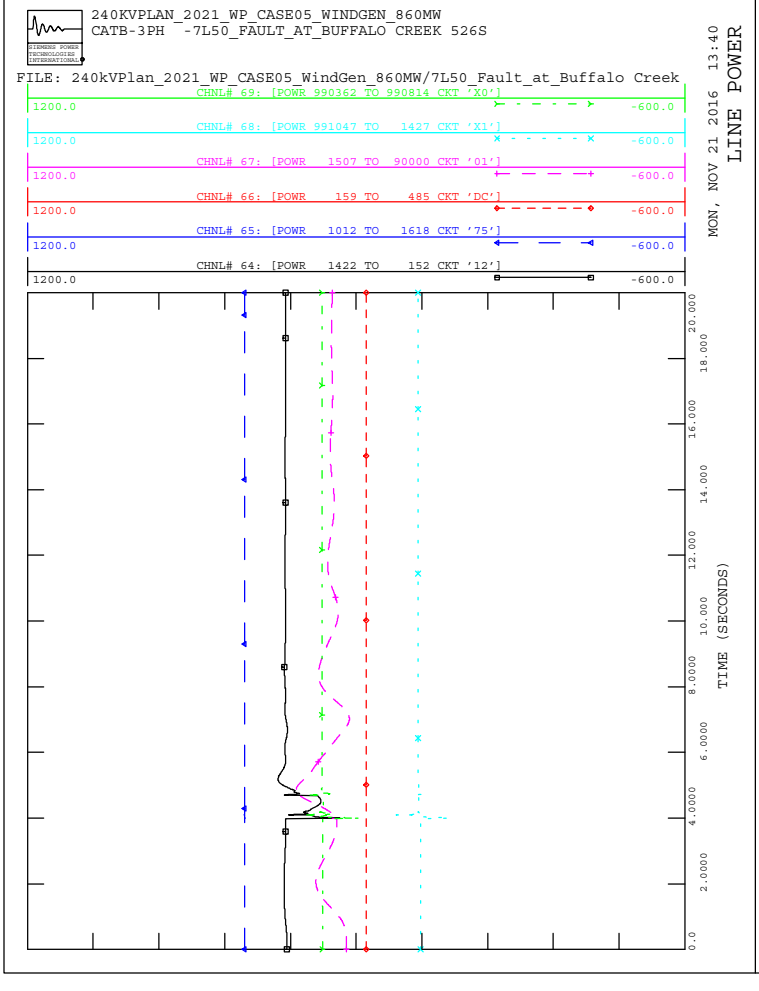
MON, NOV 21 2016 13:40

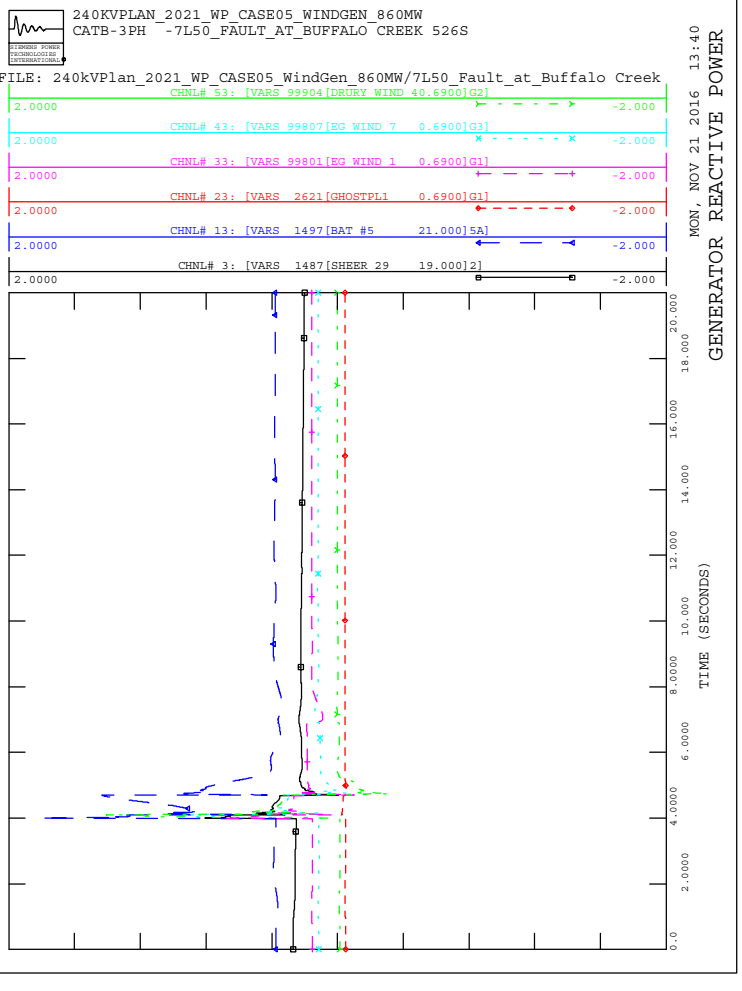
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

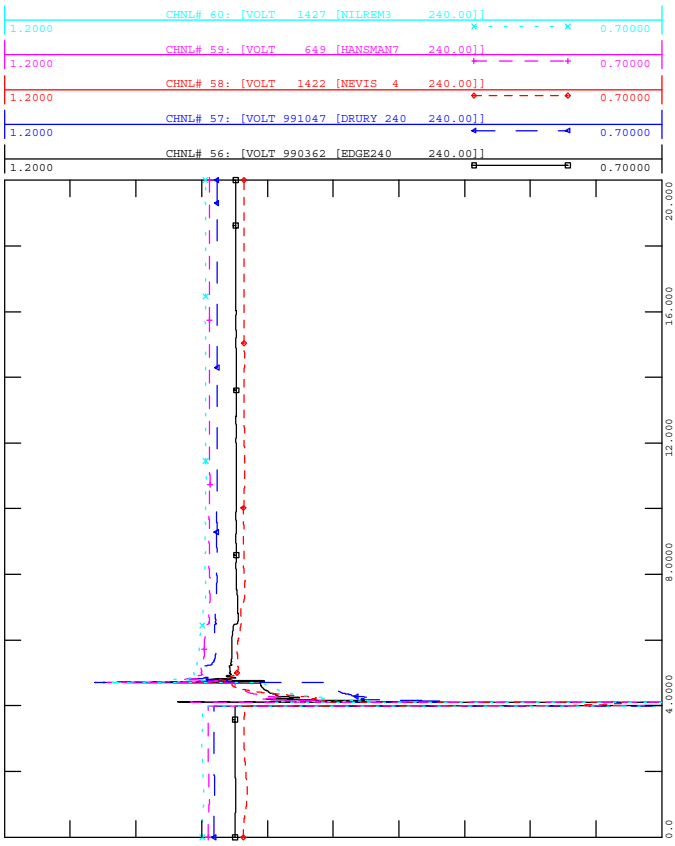

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7

MON, NOV 21 2016 13:40

BUS VOLTAGE

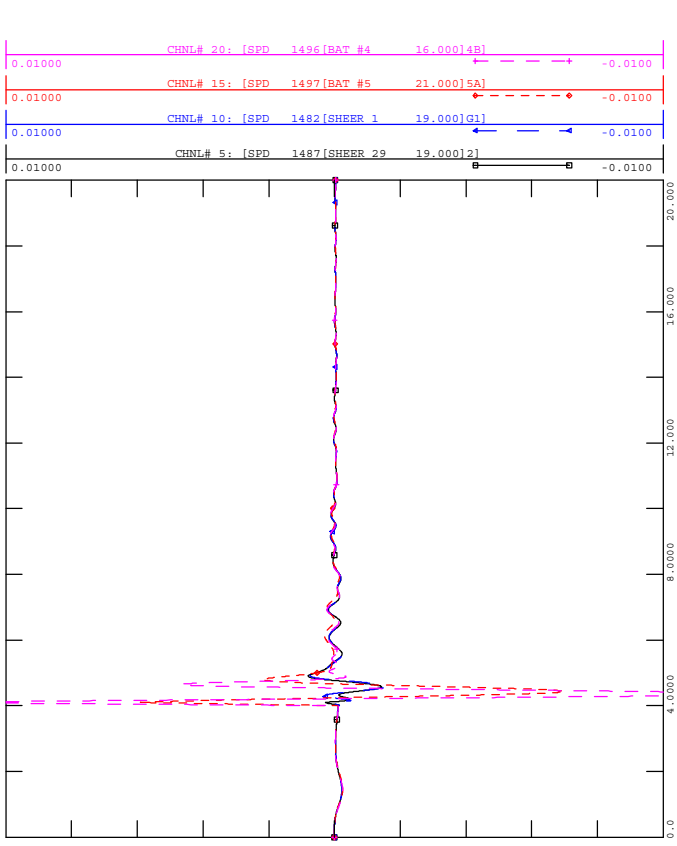


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7

MON, NOV 21 2016 13:40

MACHINE SPEED

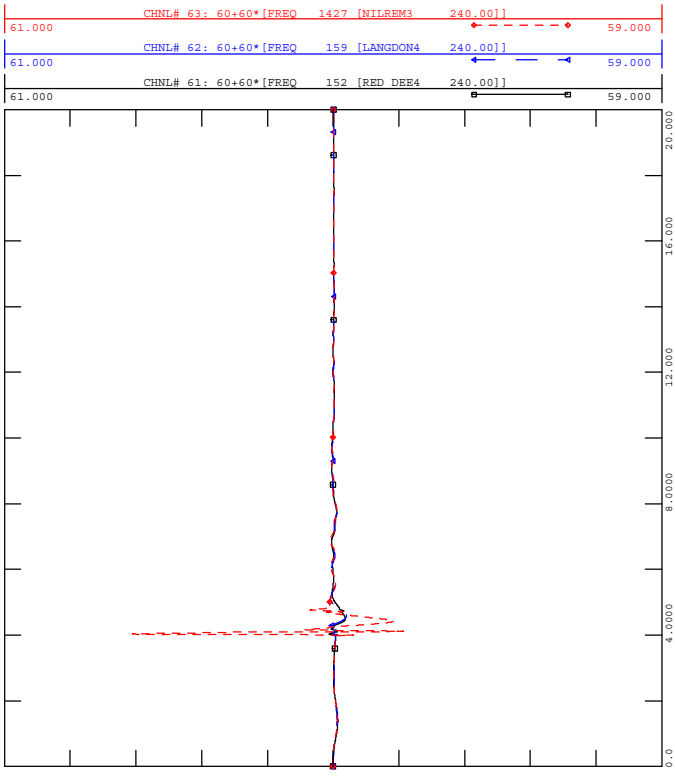


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7

MON, NOV 21 2016 13:40

FREQUENCY

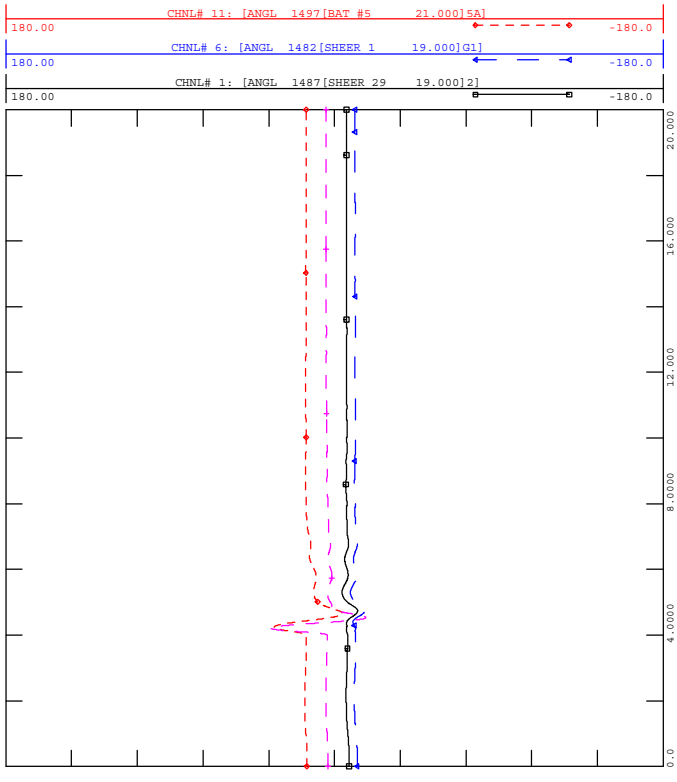


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7

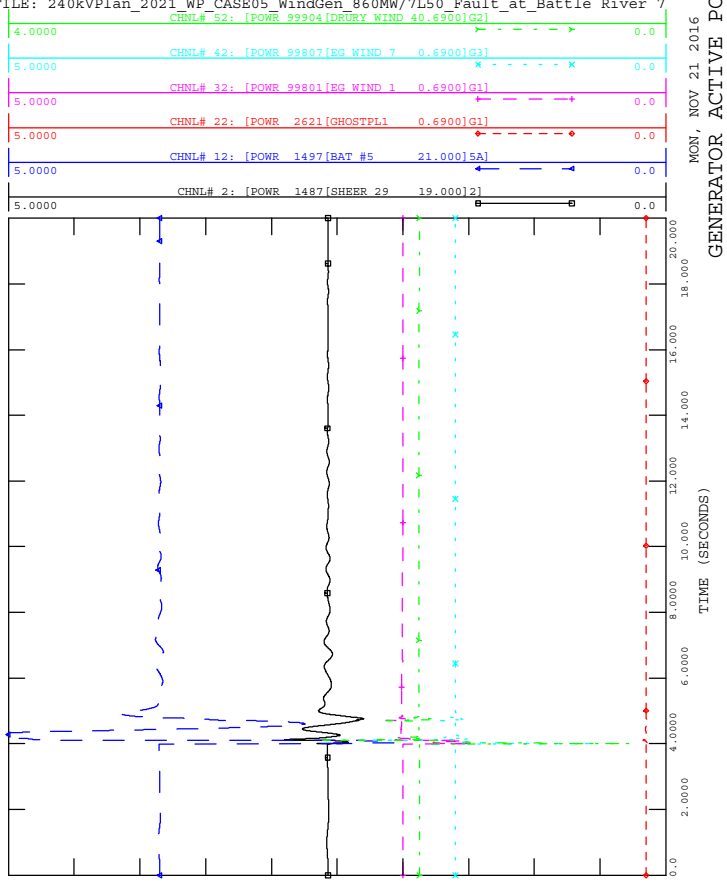
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7

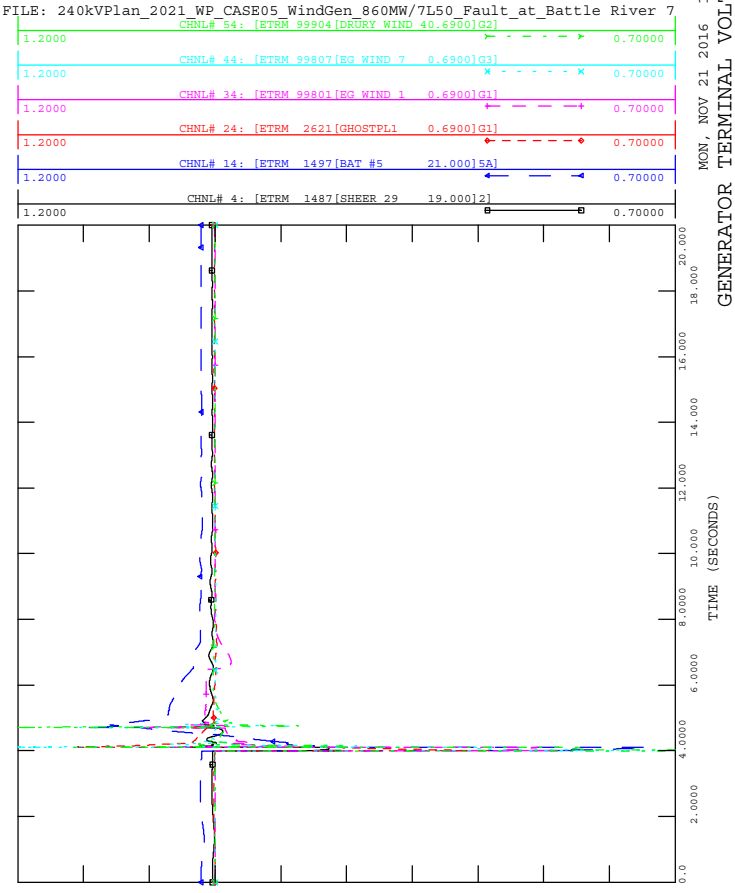


MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7

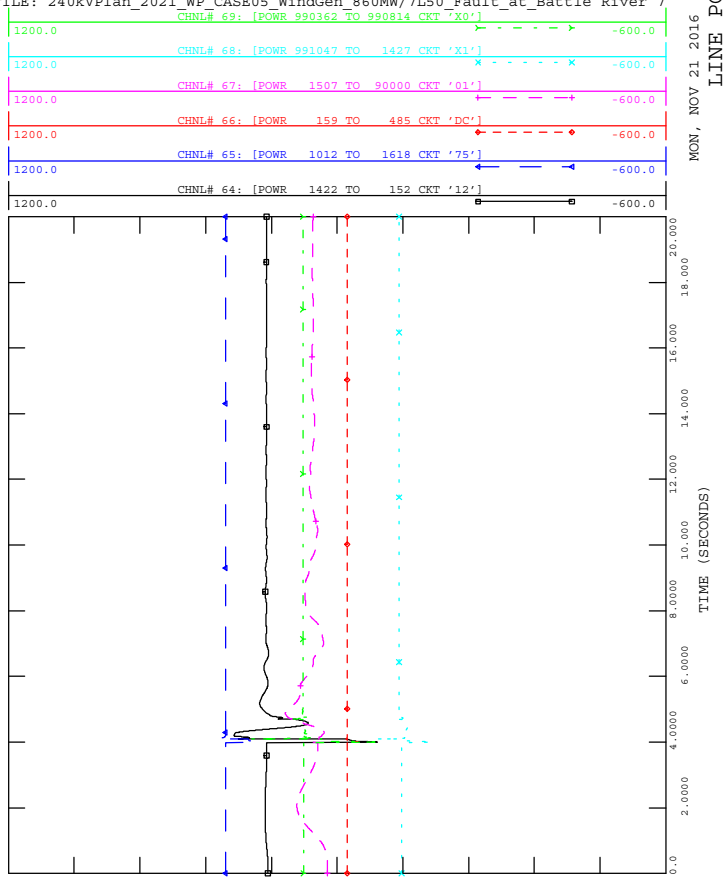


MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7

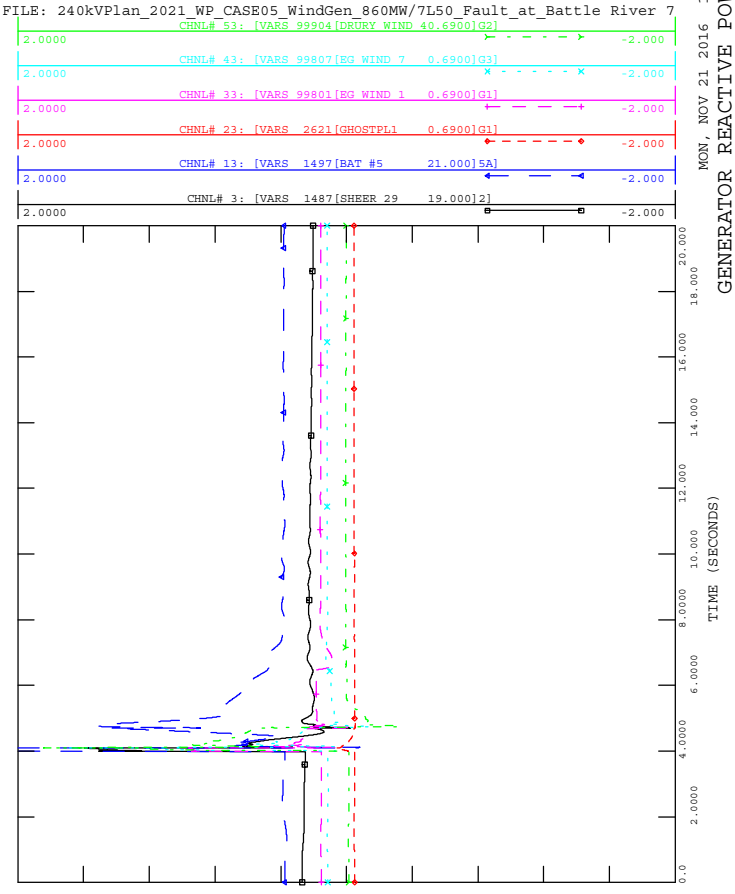


MON, NOV 21 2016 13:40

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7



MON, NOV 21 2016 13:40

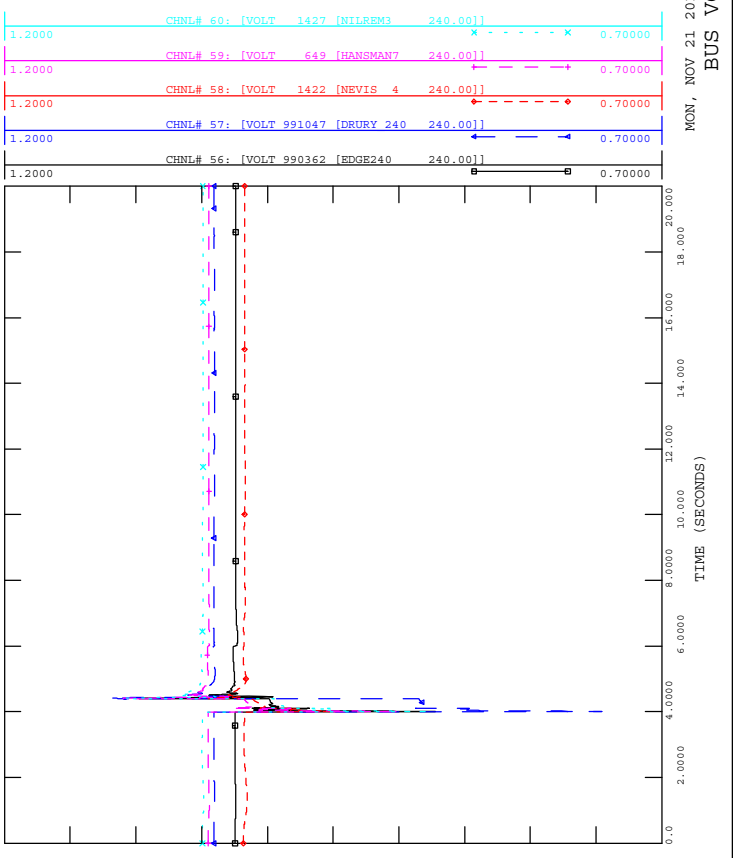
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 13:40

BUS VOLTAGE

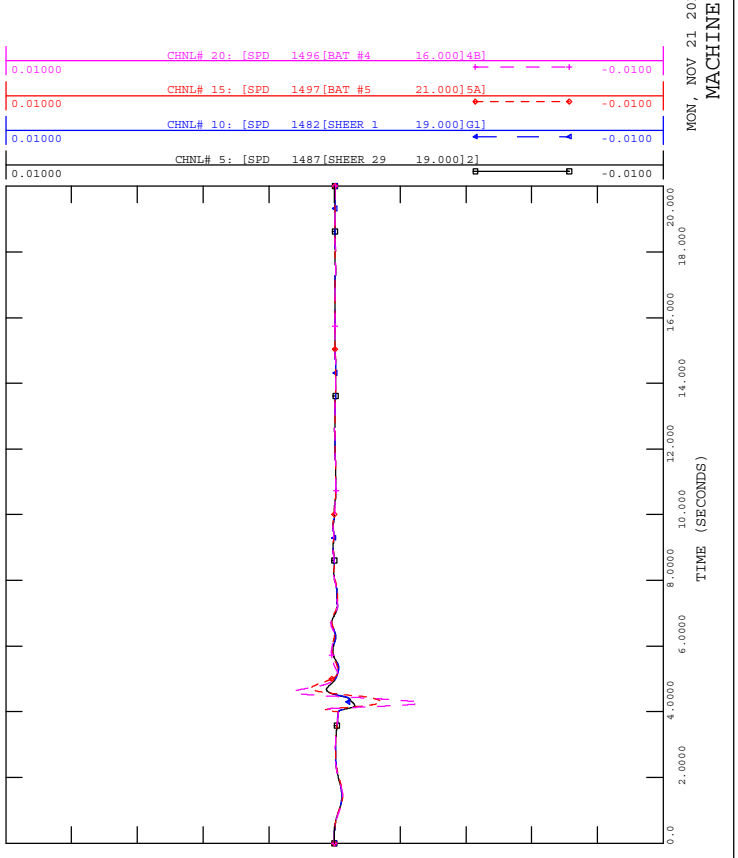


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 13:40

MACHINE SPEED

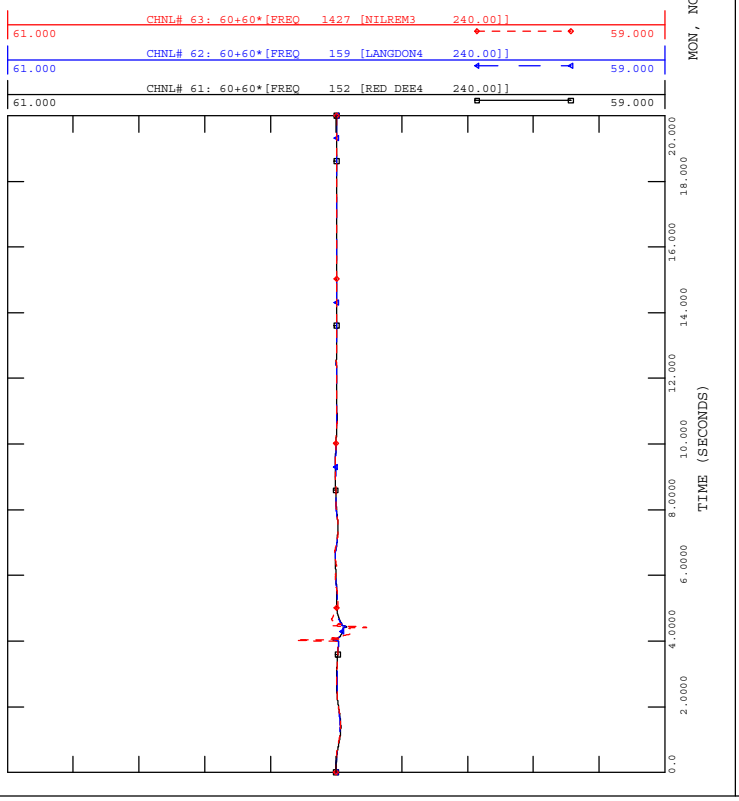


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 13:40

FREQUENCY

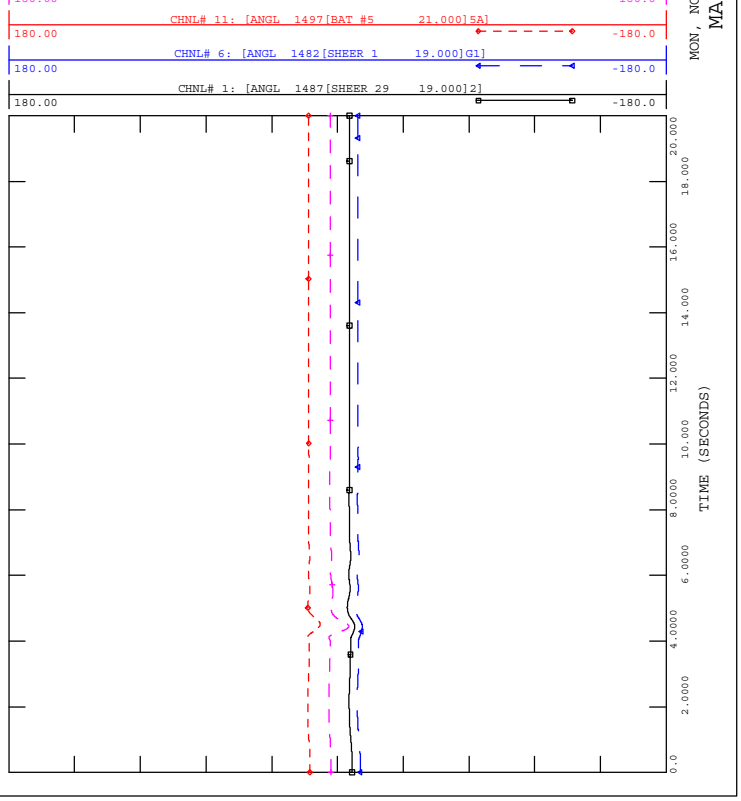


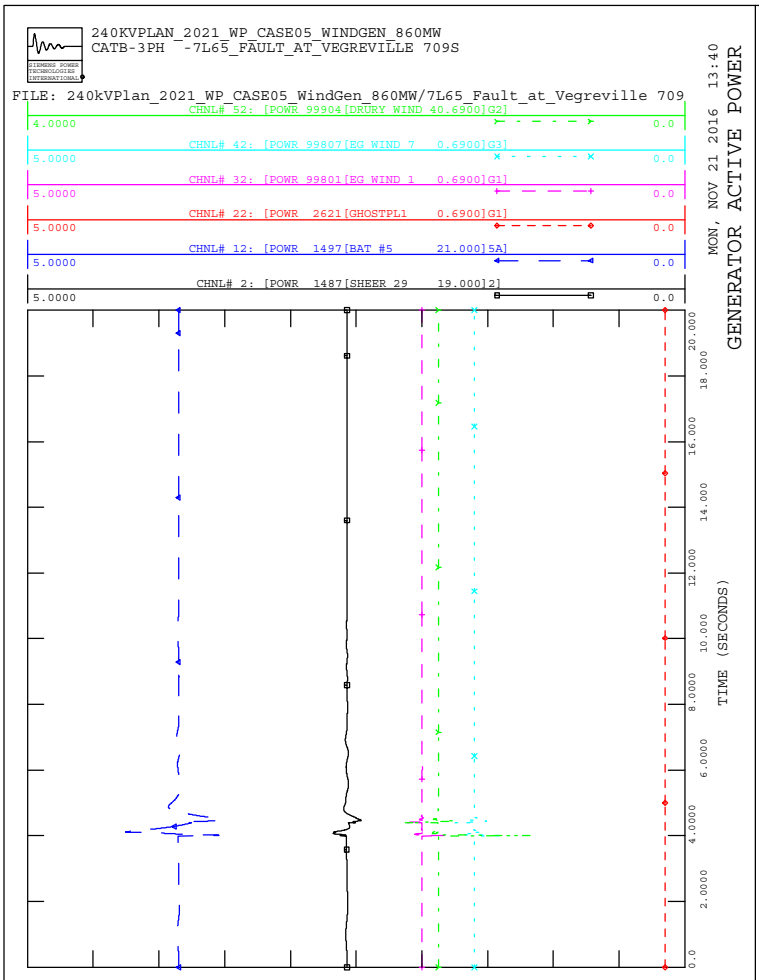
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S

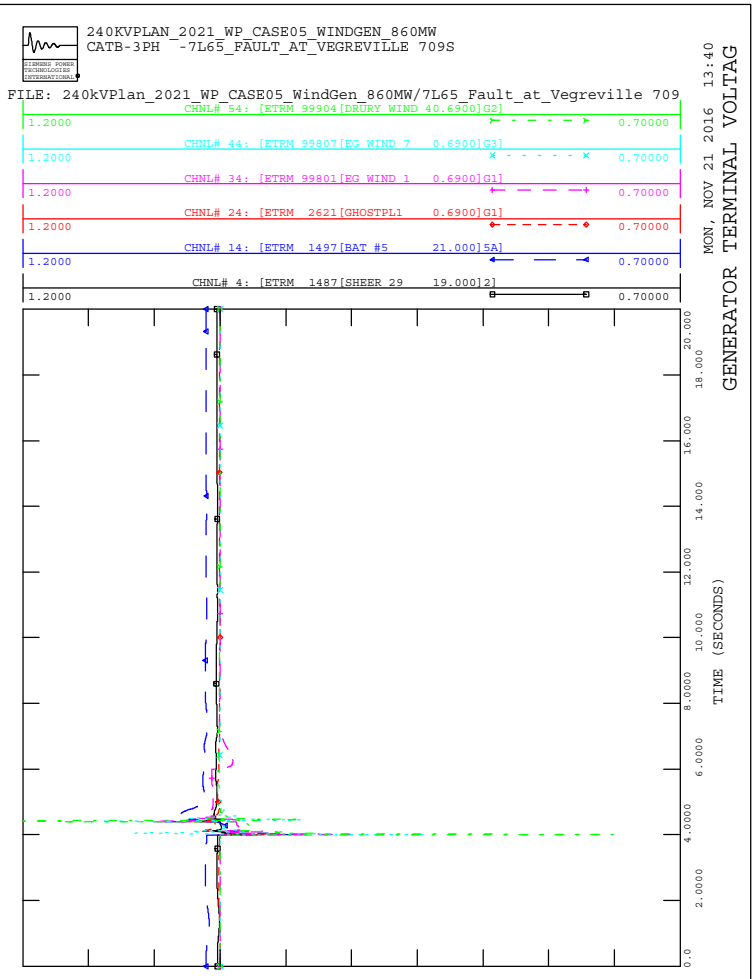
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 13:40

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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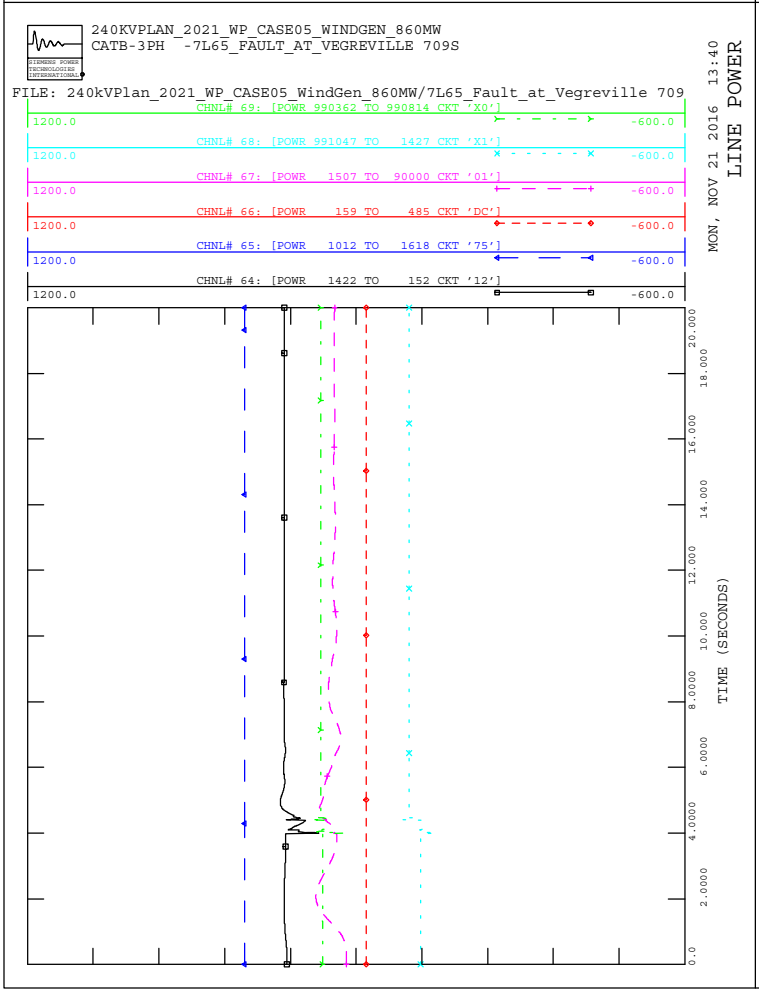
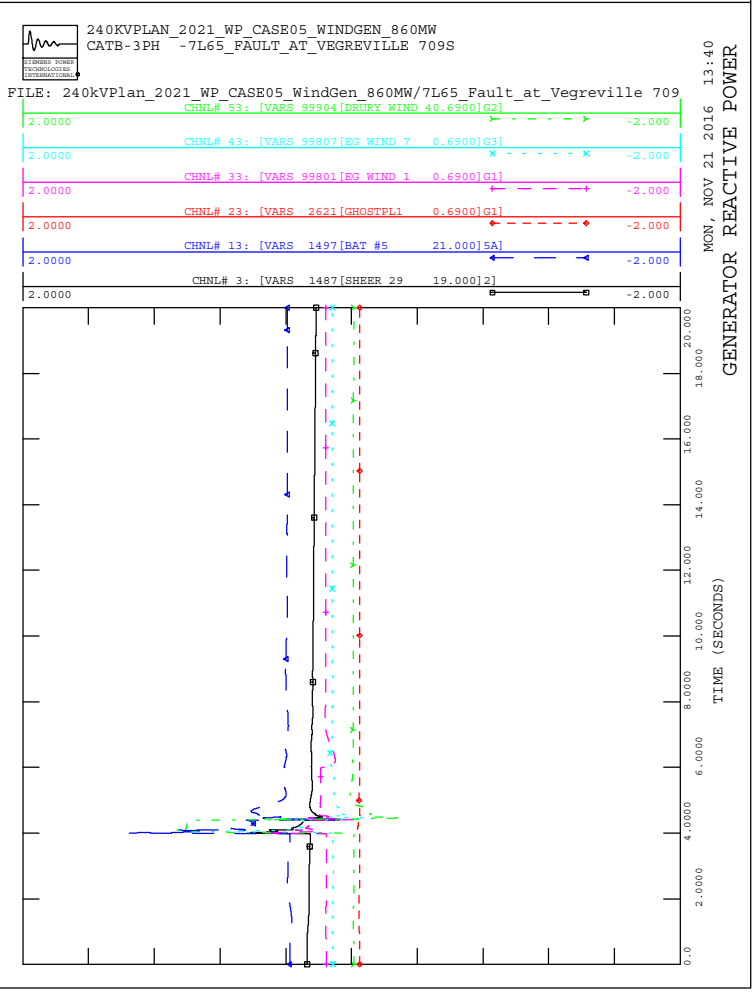
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:40
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
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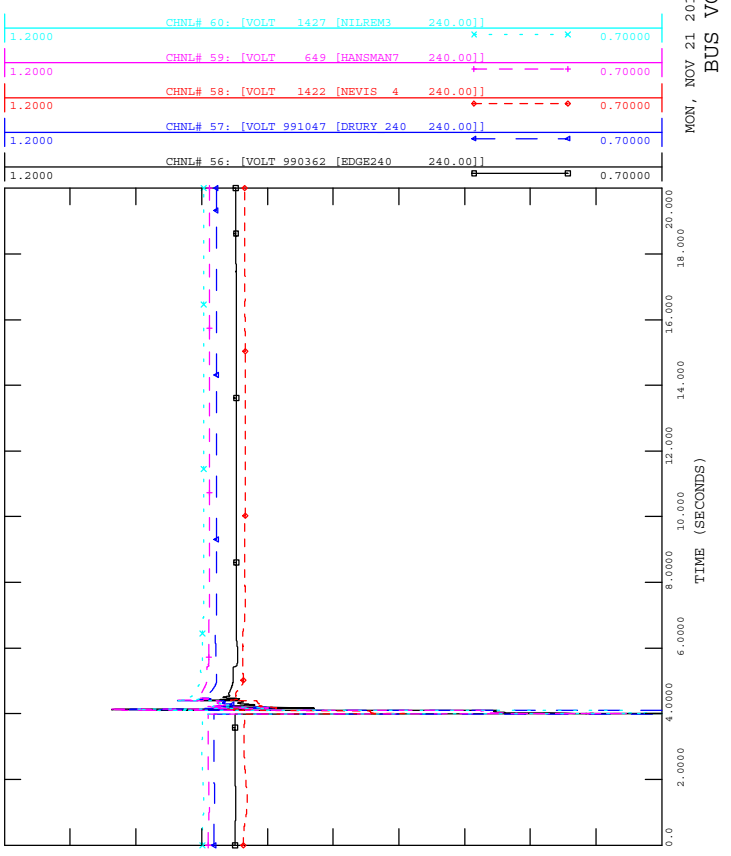
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

MON, NOV 21 2016 13:40

BUS VOLTAGE

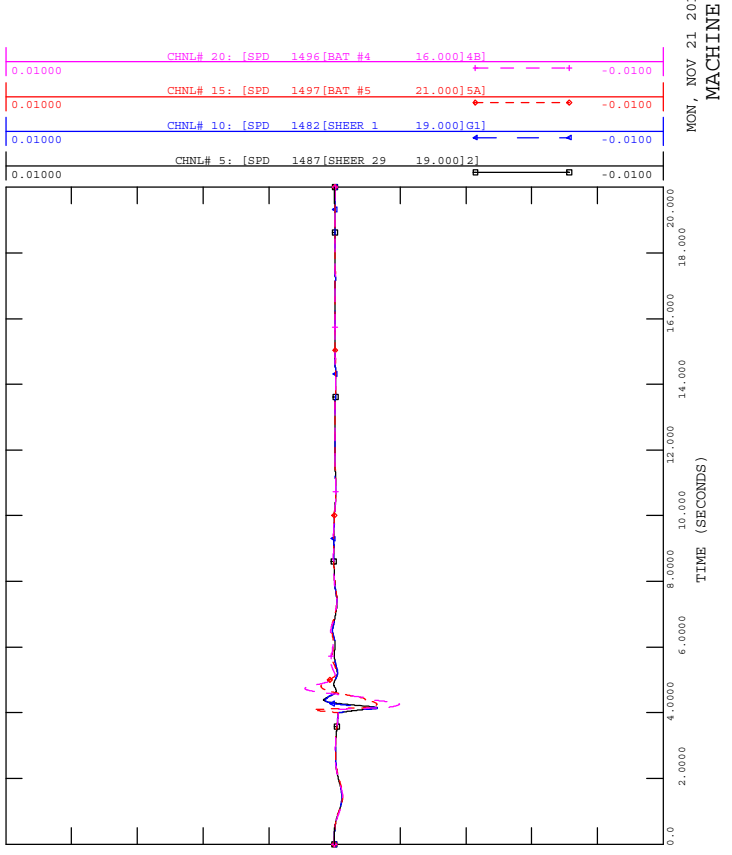


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

MON, NOV 21 2016 13:40

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

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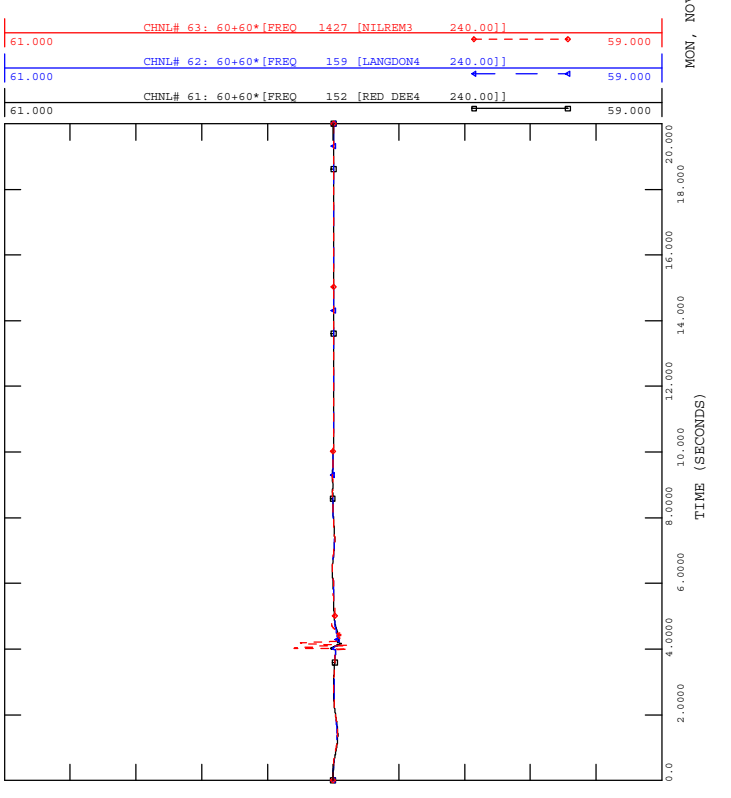
MON, NOV 21 2016 13:40

FREQUENCY



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

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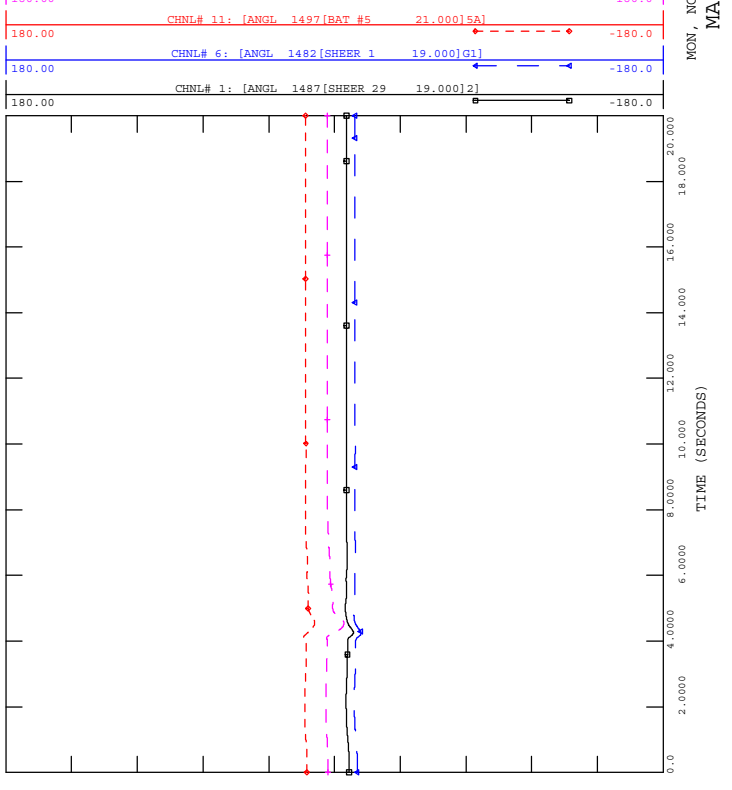
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
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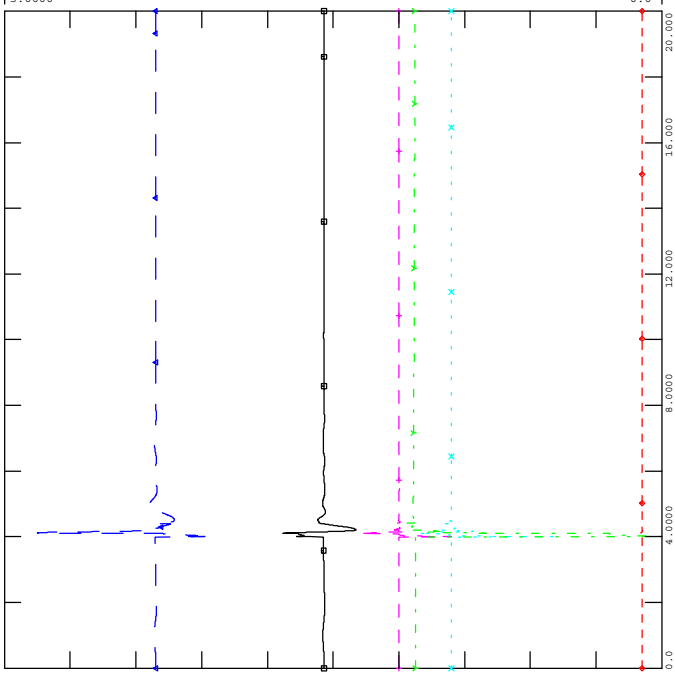
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
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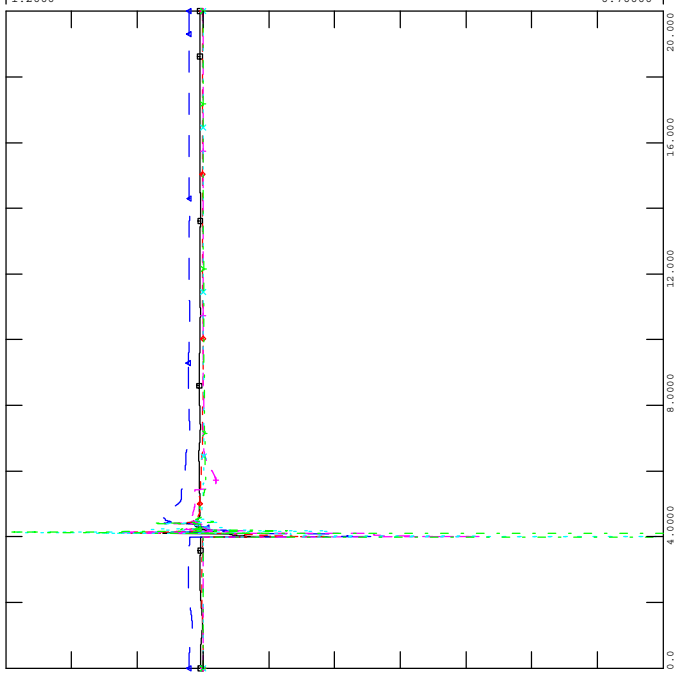
TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

MON, NOV 21 2016 13:40

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
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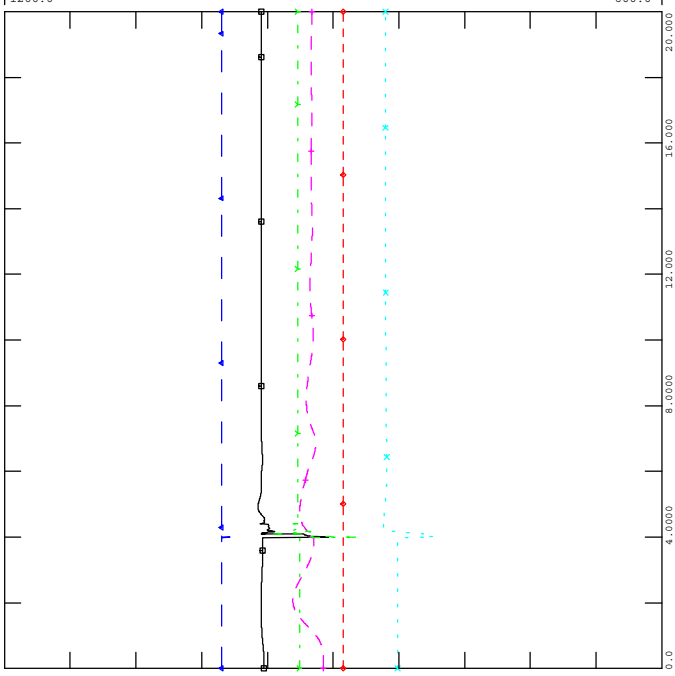
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

MON, NOV 21 2016 13:40

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
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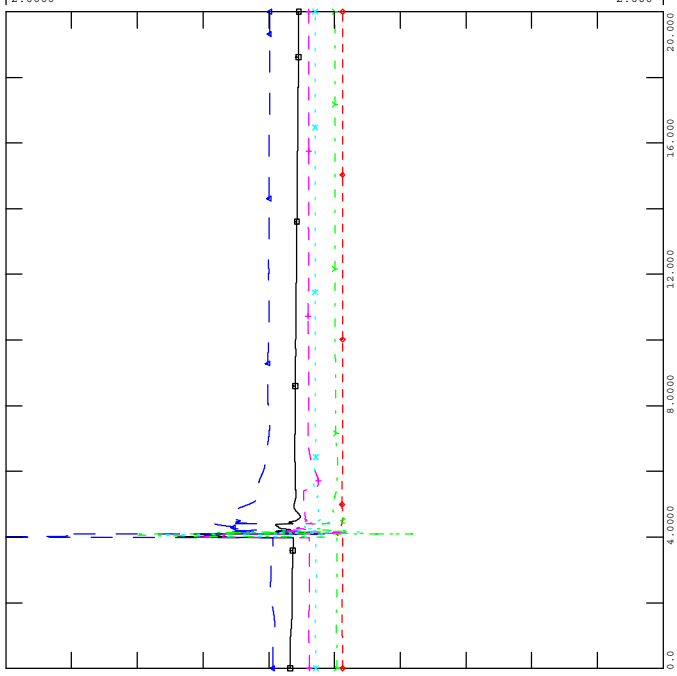
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S

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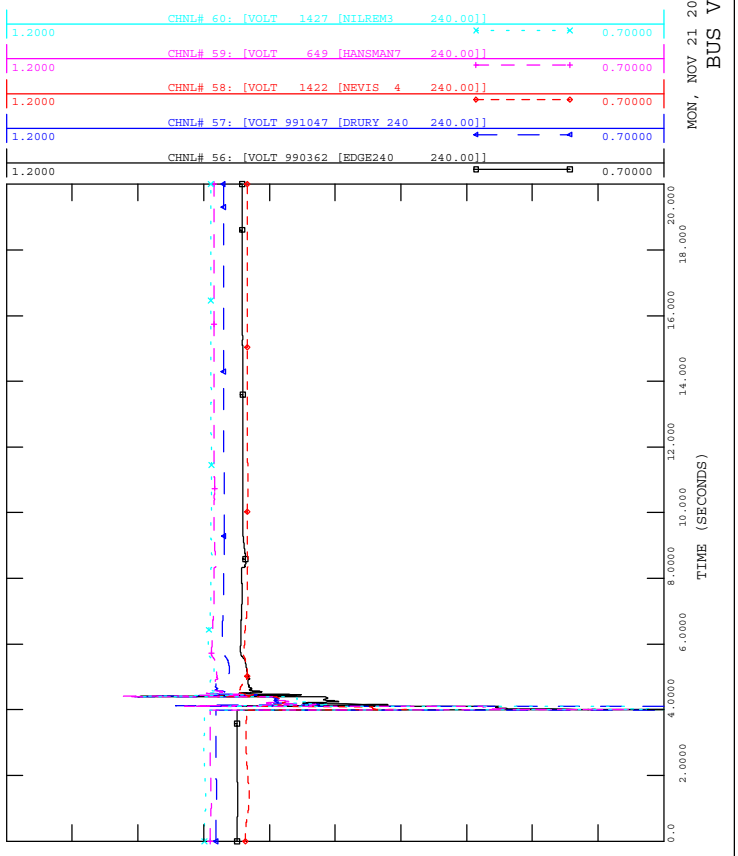
MON, NOV 21 2016 13:40

BUS VOLTAGE



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CATB-3PH -7L205_FAULT_AT_DRURY 2007S

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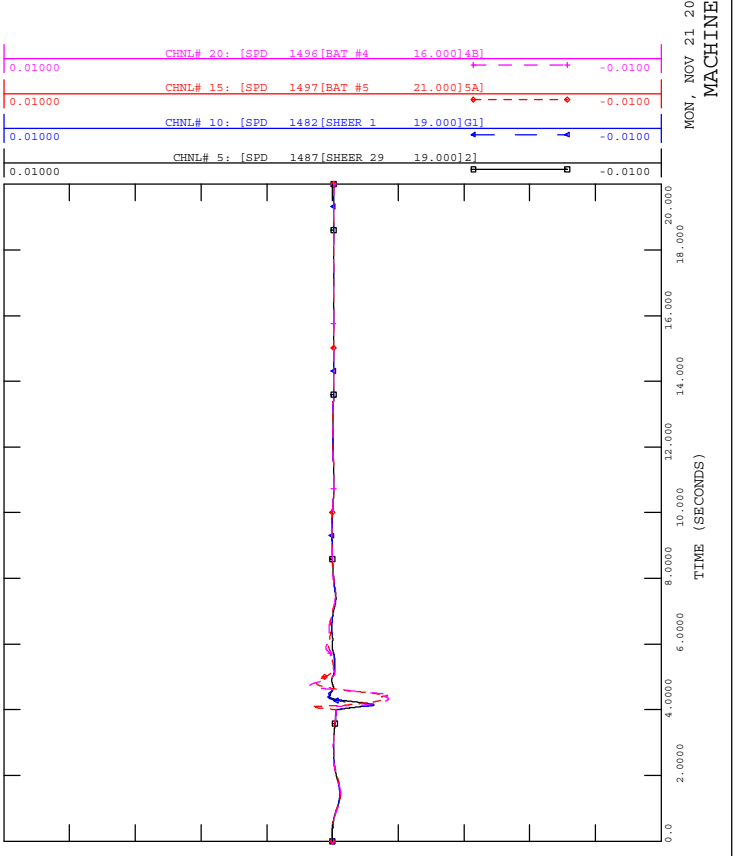
MON, NOV 21 2016 13:40

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S

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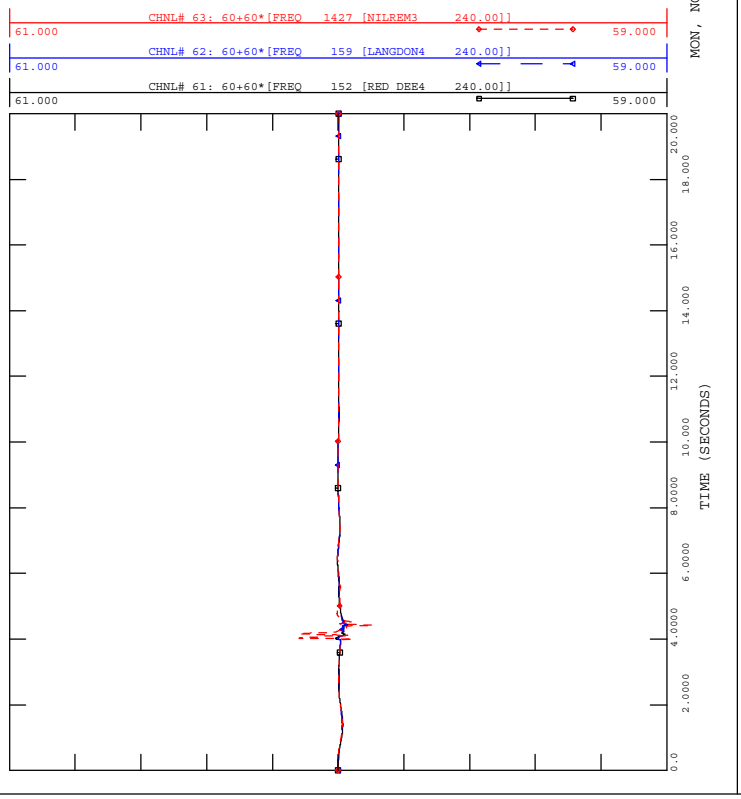
MON, NOV 21 2016 13:40

FREQUENCY



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S

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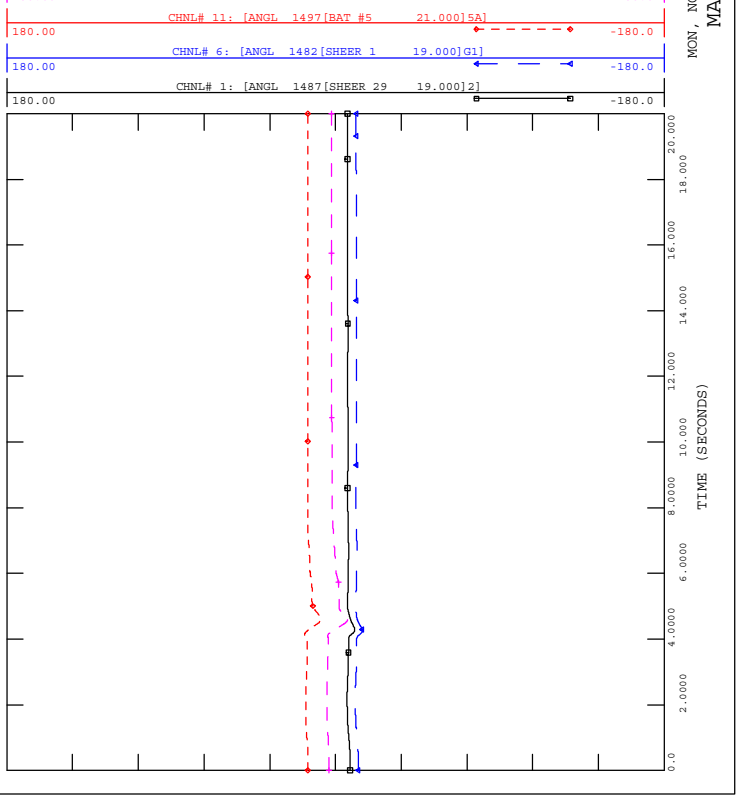
MON, NOV 21 2016 13:40

MACHINE ANGEL



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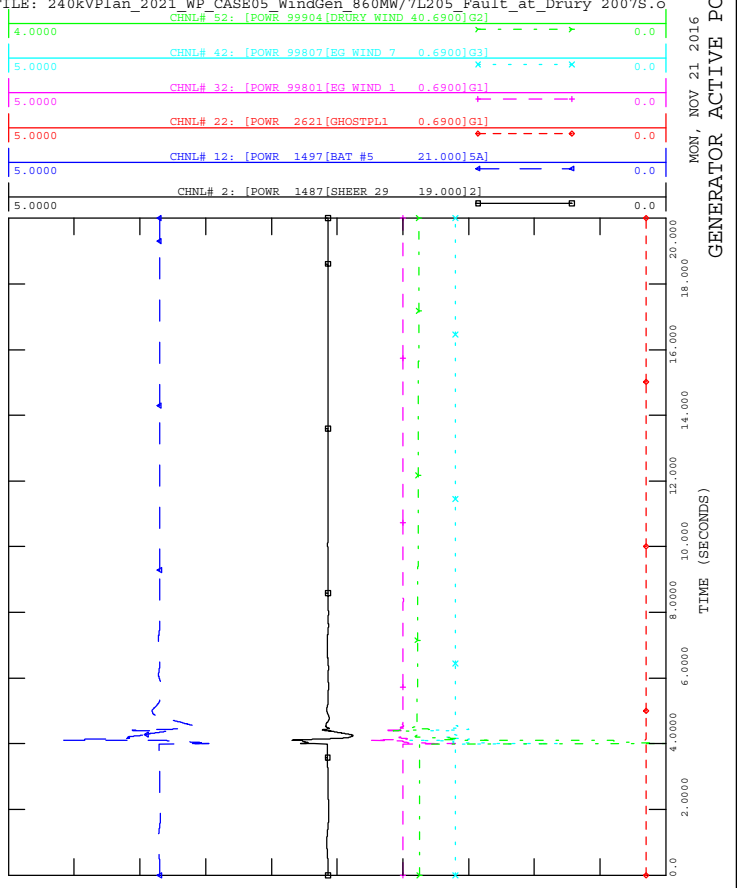
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Drury 2007S.o

MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S

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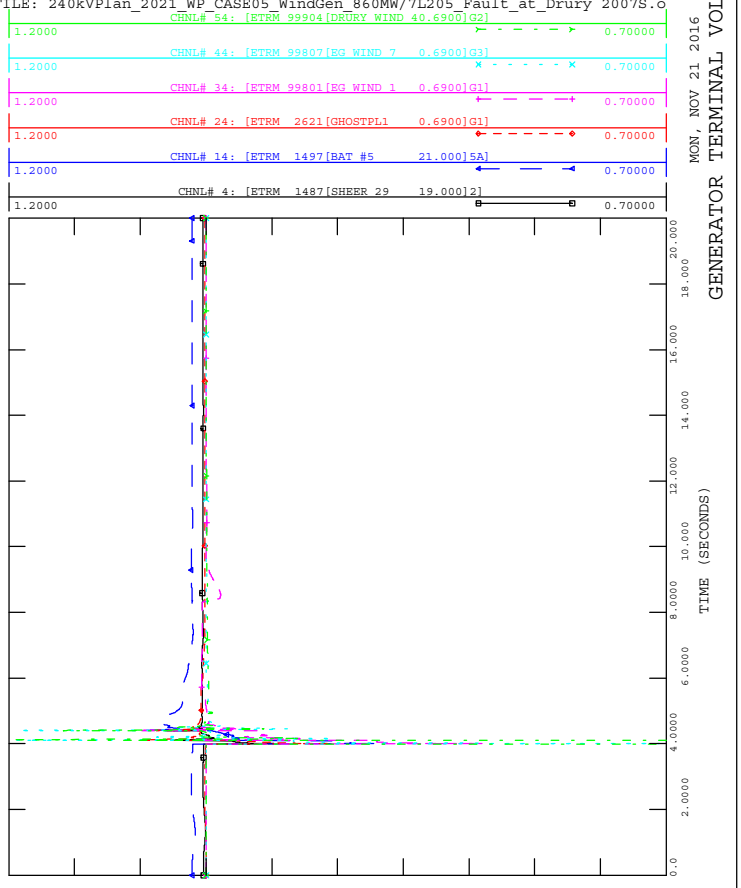
MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_DRURY 2007S

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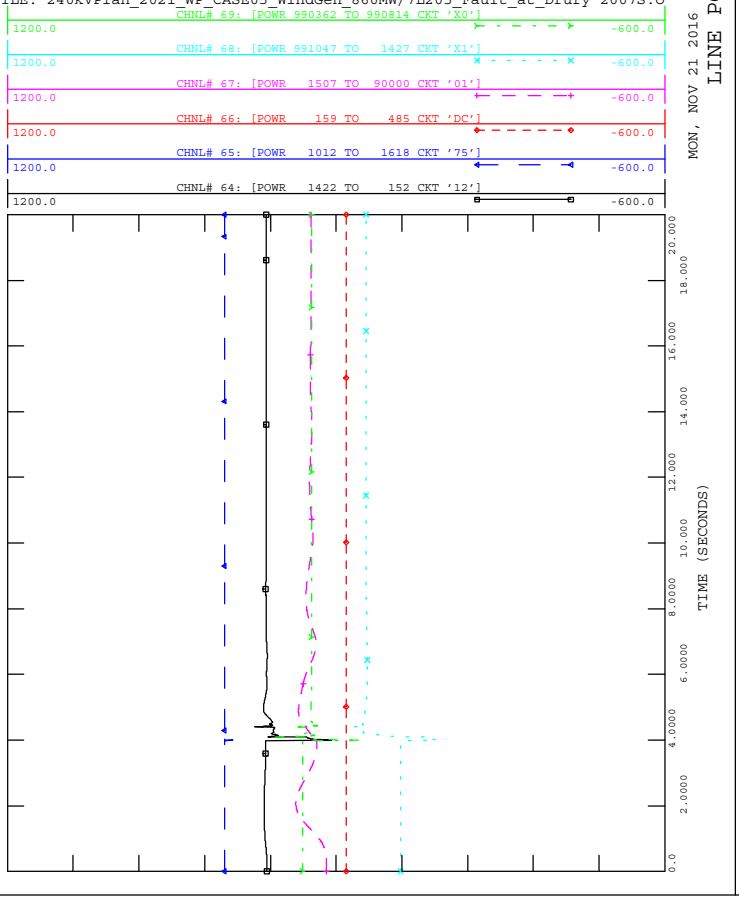
MON, NOV 21 2016 13:40

LINE POWER



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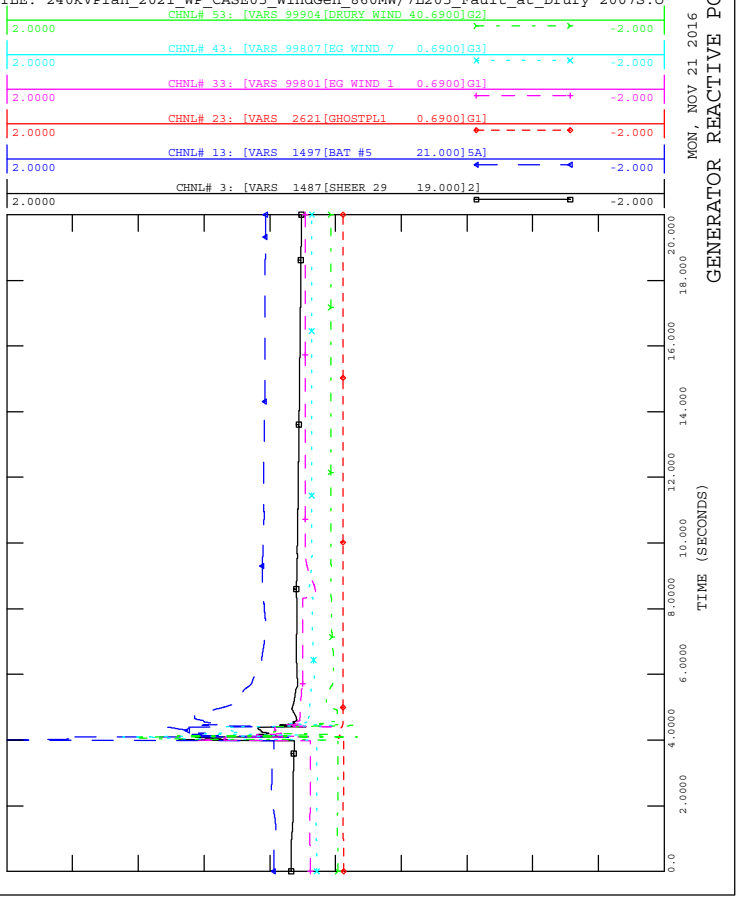
GENERATOR REACTIVE POWER



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Vermillion 71

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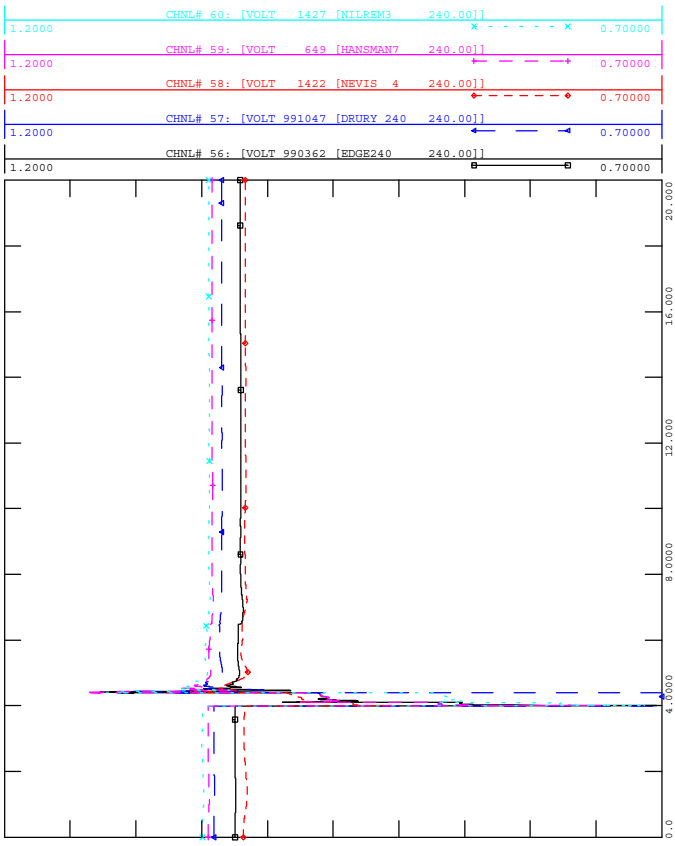
BUS VOLTAGE



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CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

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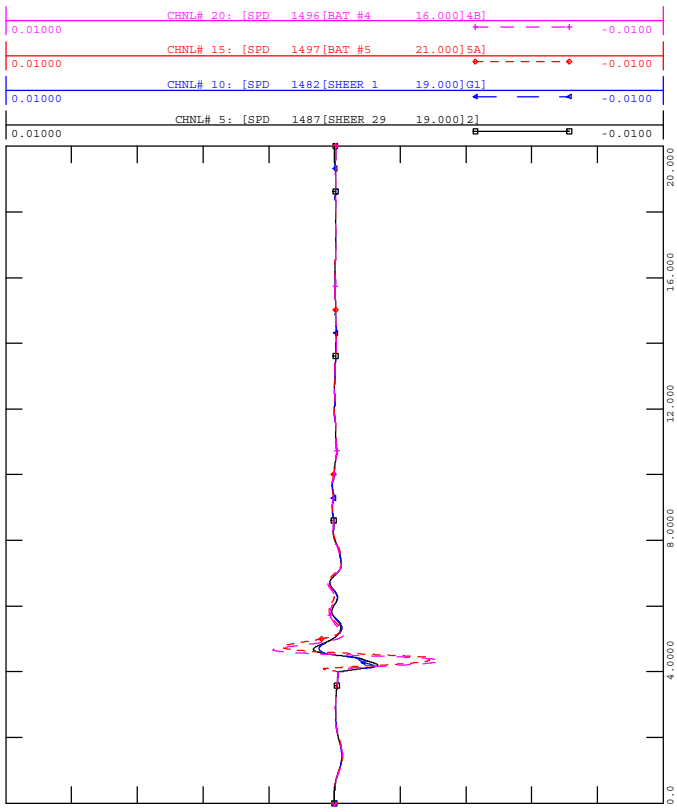
MON, NOV 21 2016 13:40

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S

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MON, NOV 21 2016 13:40

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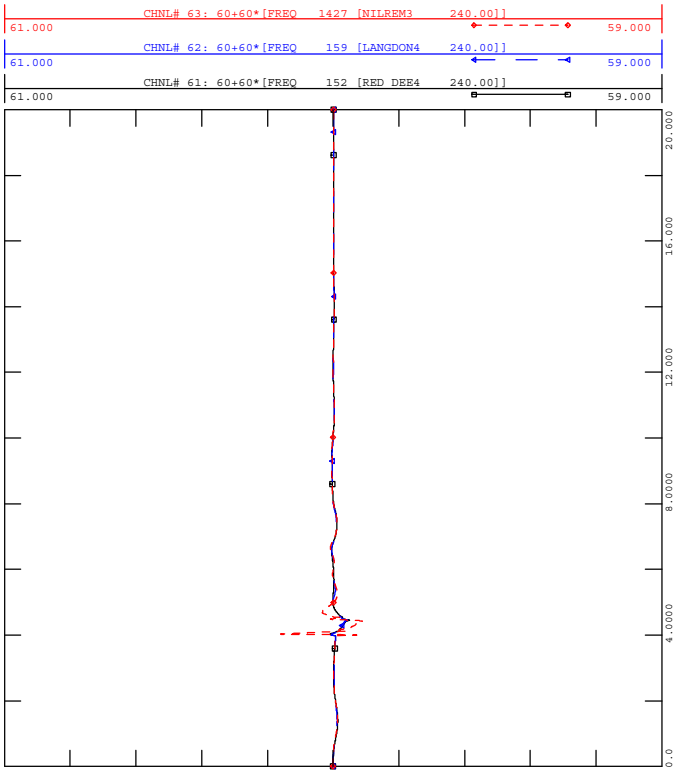

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FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Vermillion 71

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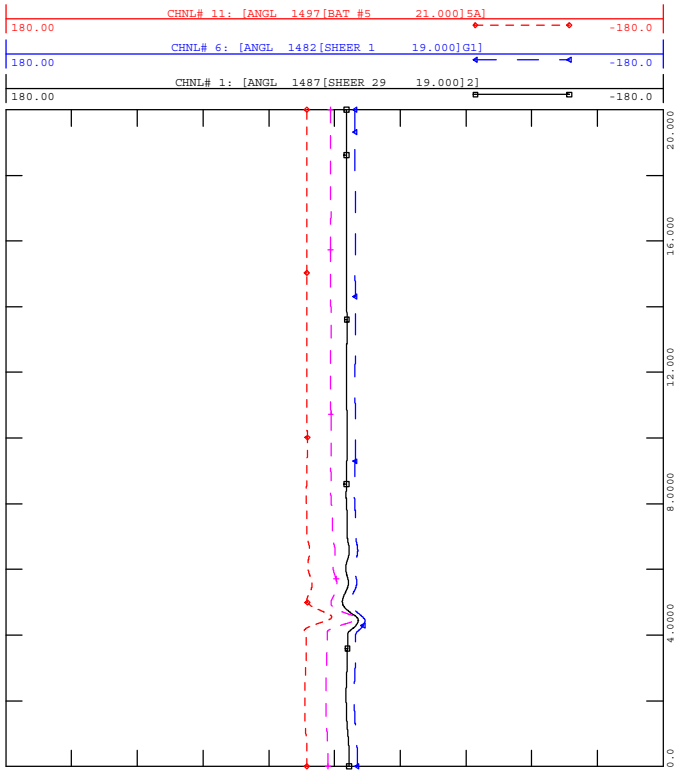
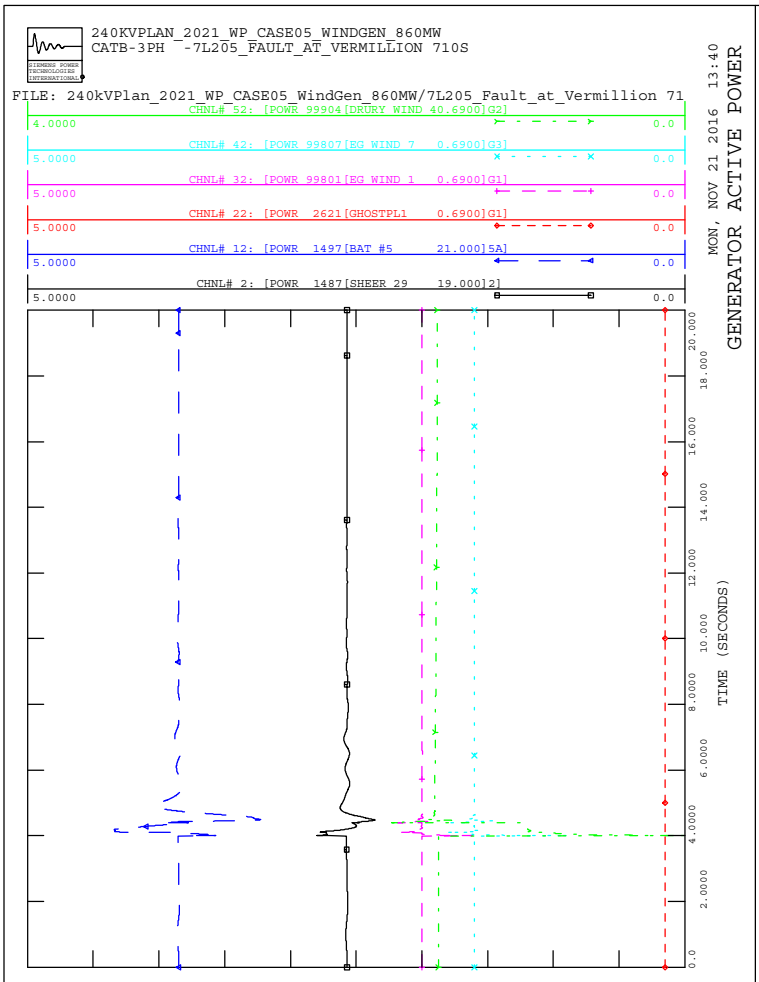
MACHINE ANGEL

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CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
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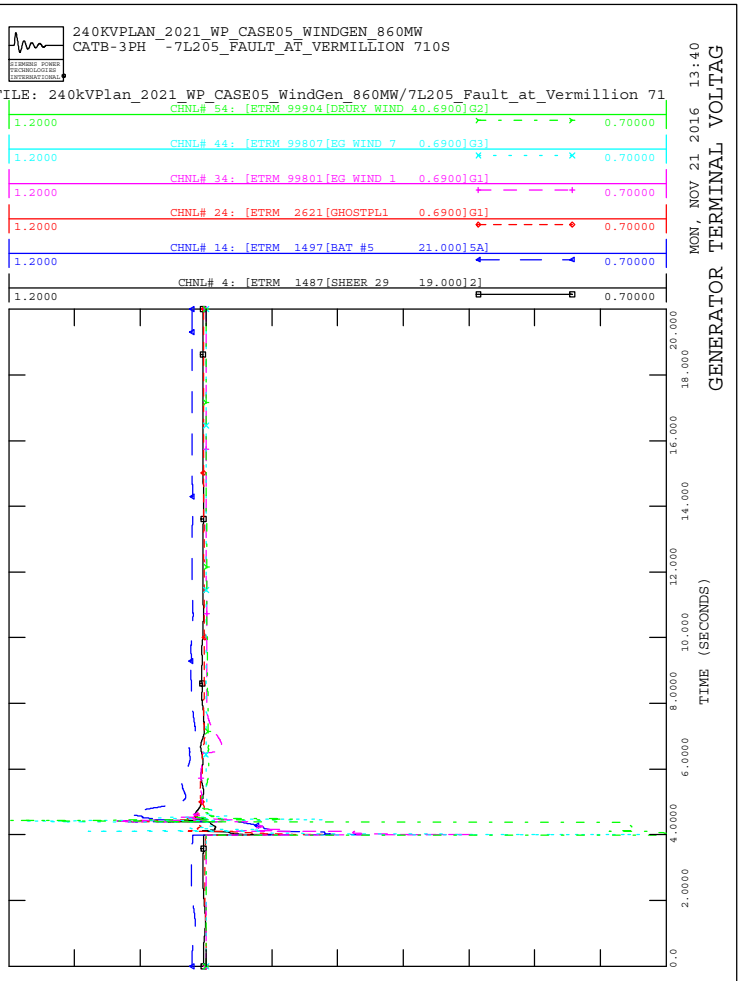
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
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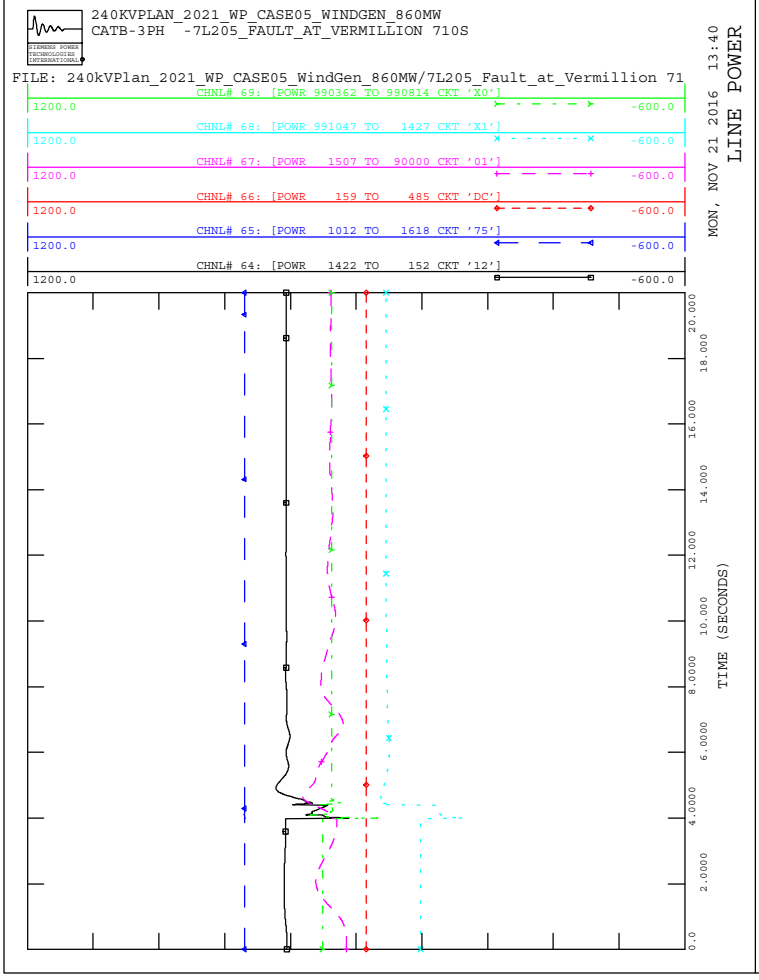
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)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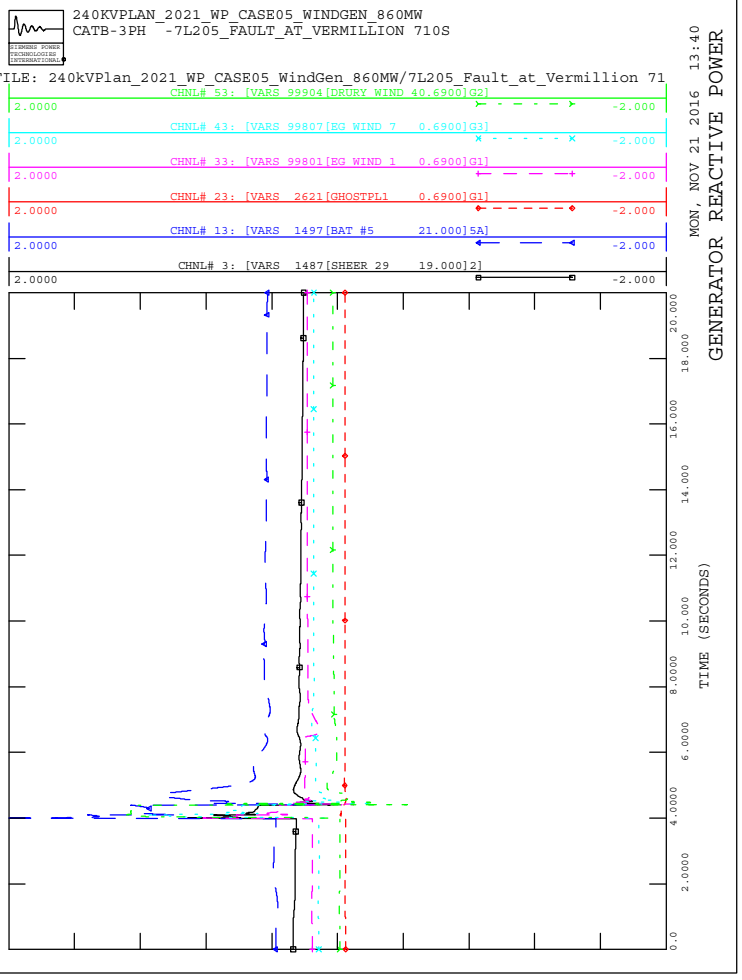
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:40
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 13:40

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 13:40

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 13:40

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 13:40

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

180.00 / -180.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S

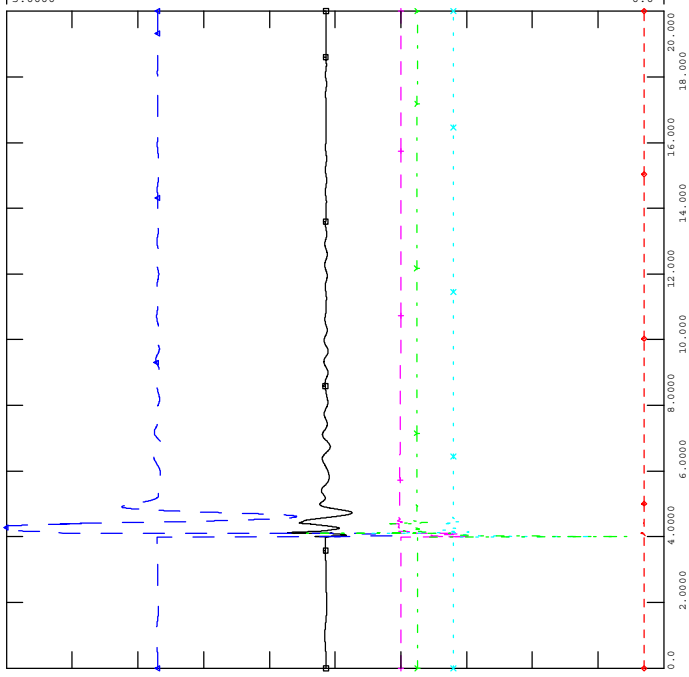
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S

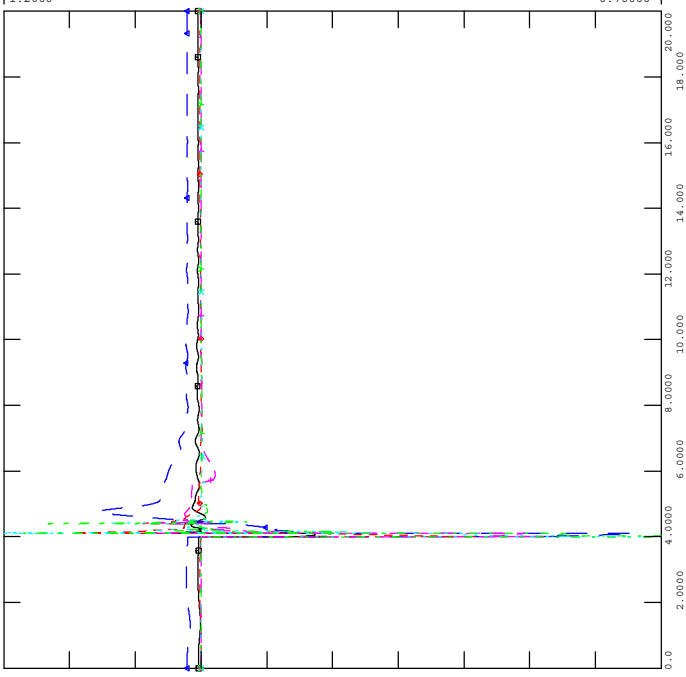
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S

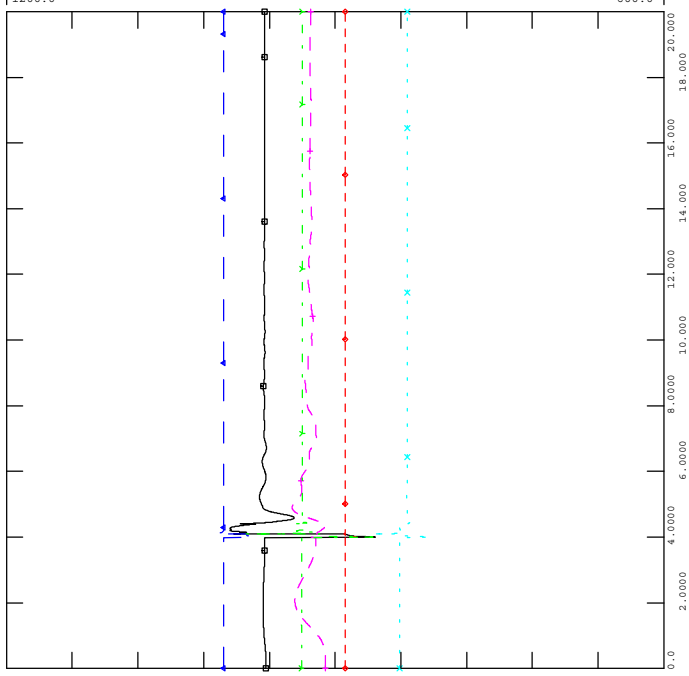
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

MON, NOV 21 2016 13:40

LINE POWER

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_BATTLE_RIVER 757S

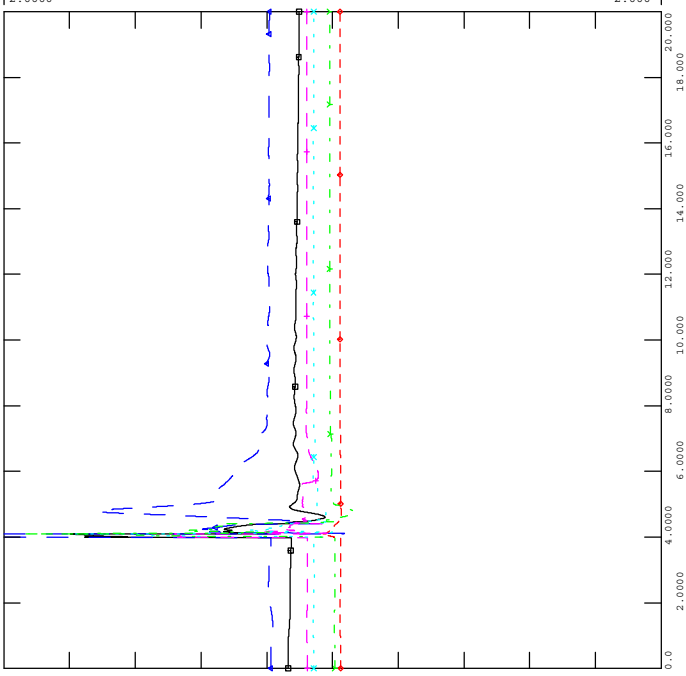
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

MON, NOV 21 2016 13:40

GENERATOR REACTIVE POWER

TIME (SECONDS)

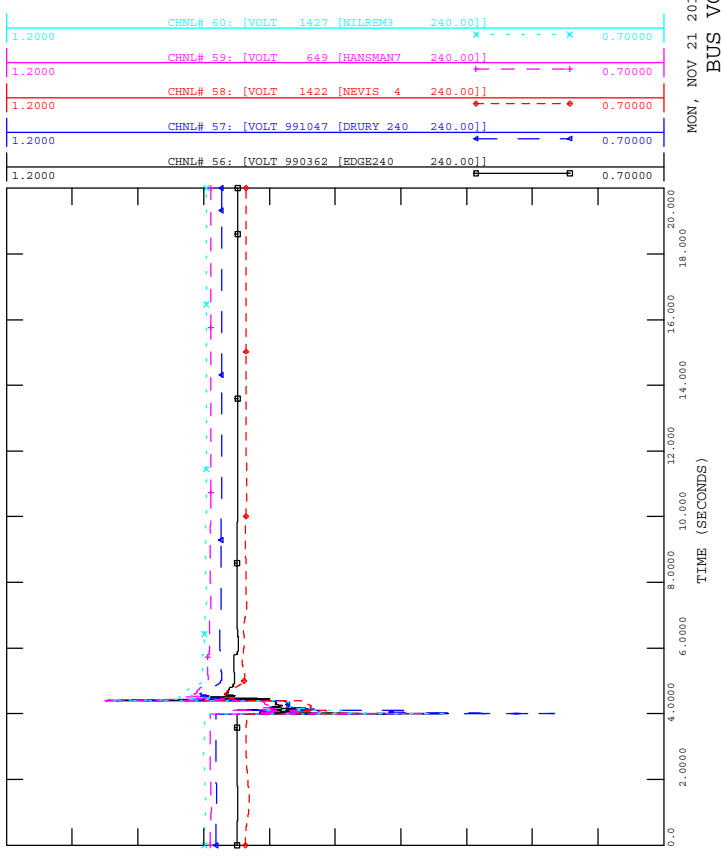


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

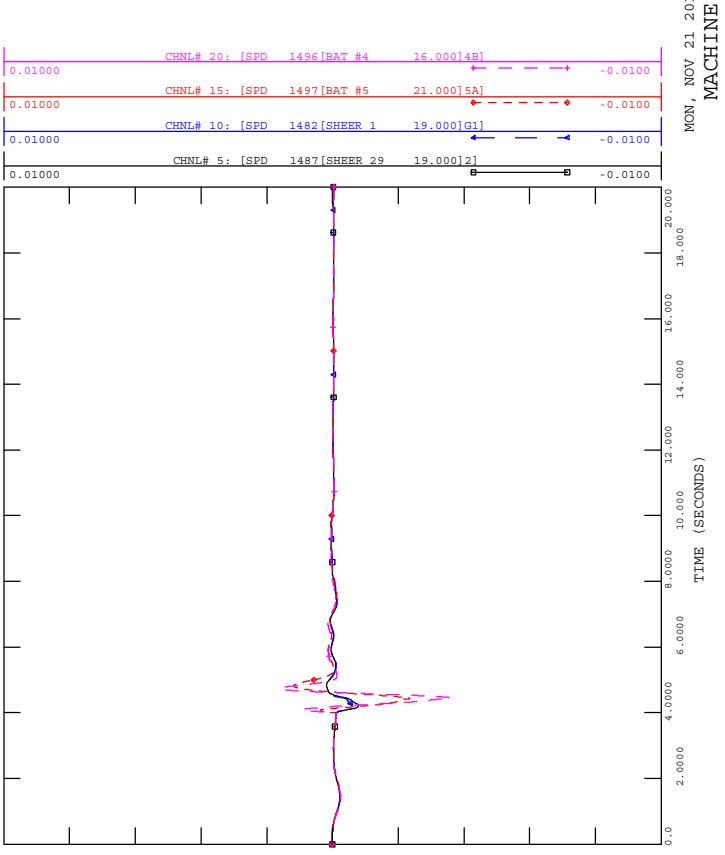


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o

MON, NOV 21 2016 13:40

MACHINE SPEED

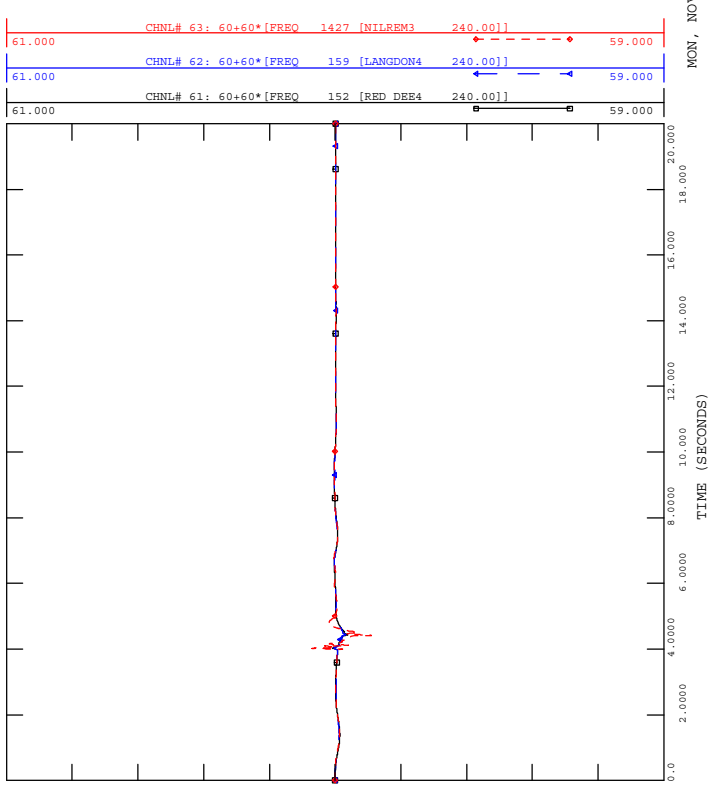


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o

MON, NOV 21 2016 13:40

FREQUENCY

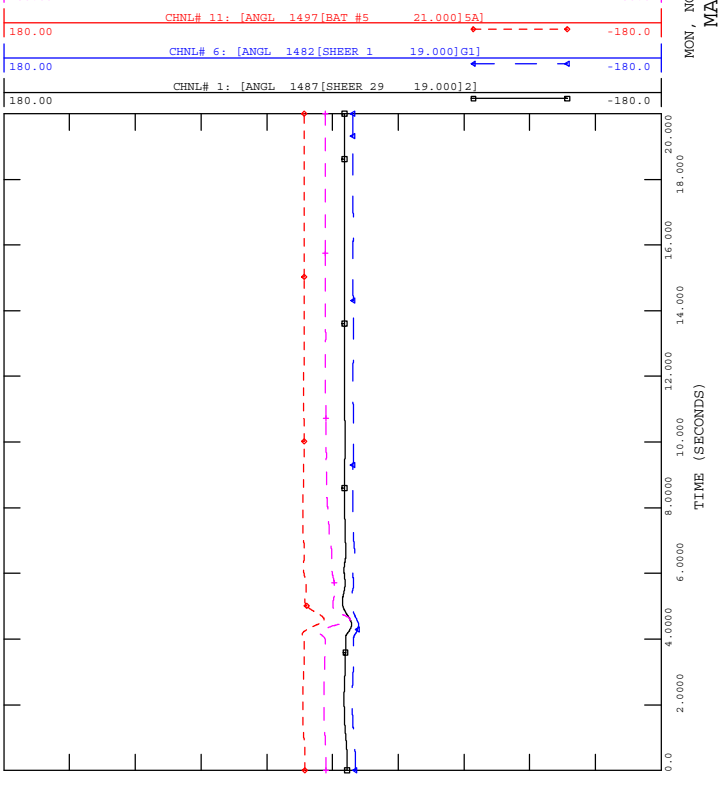


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o

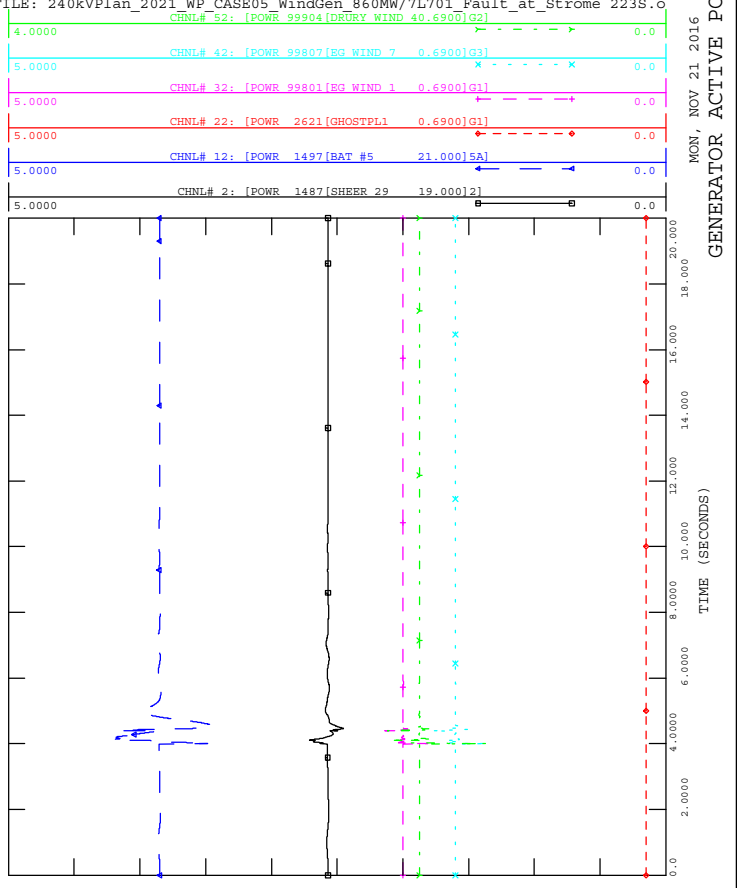
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

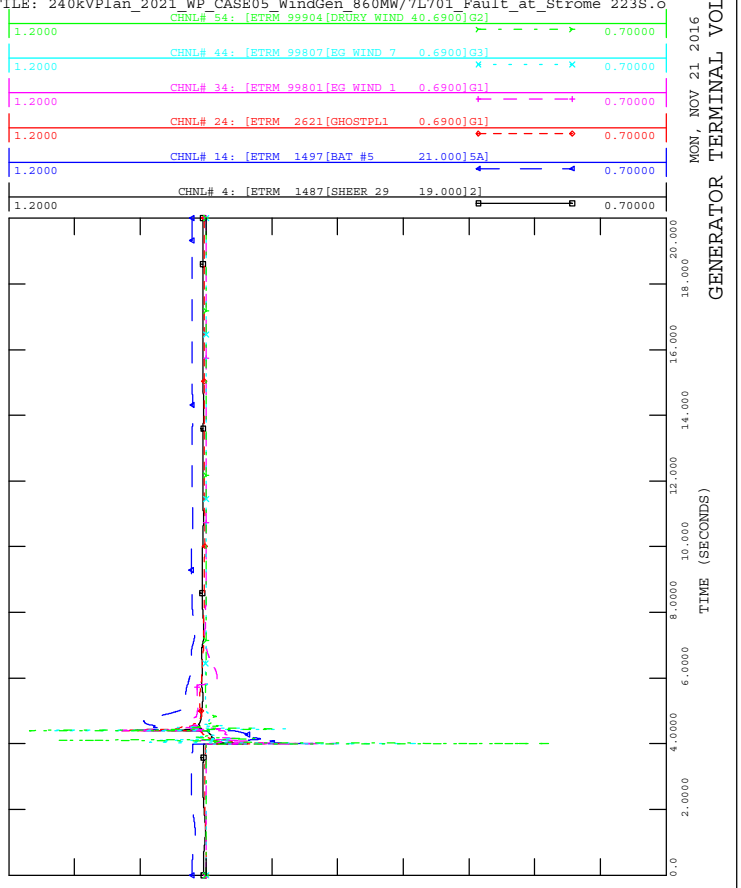
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

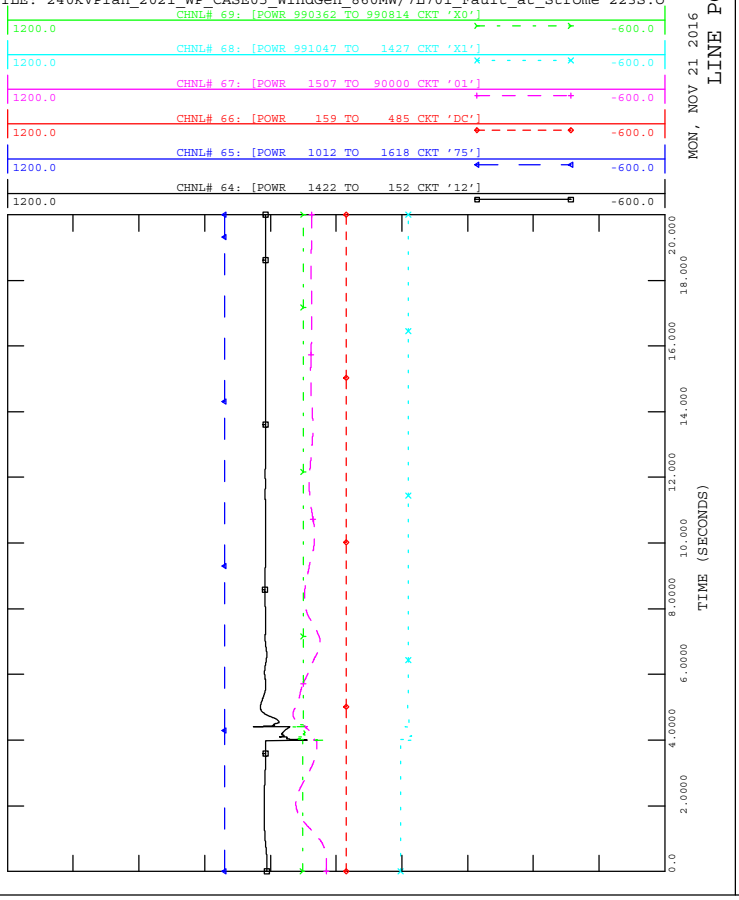
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

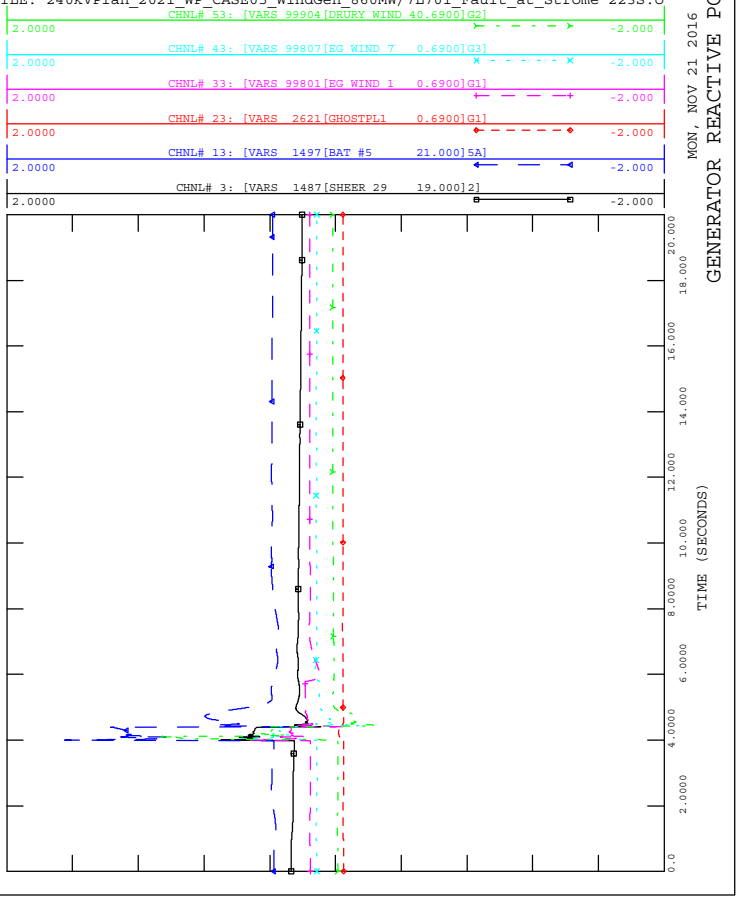
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o



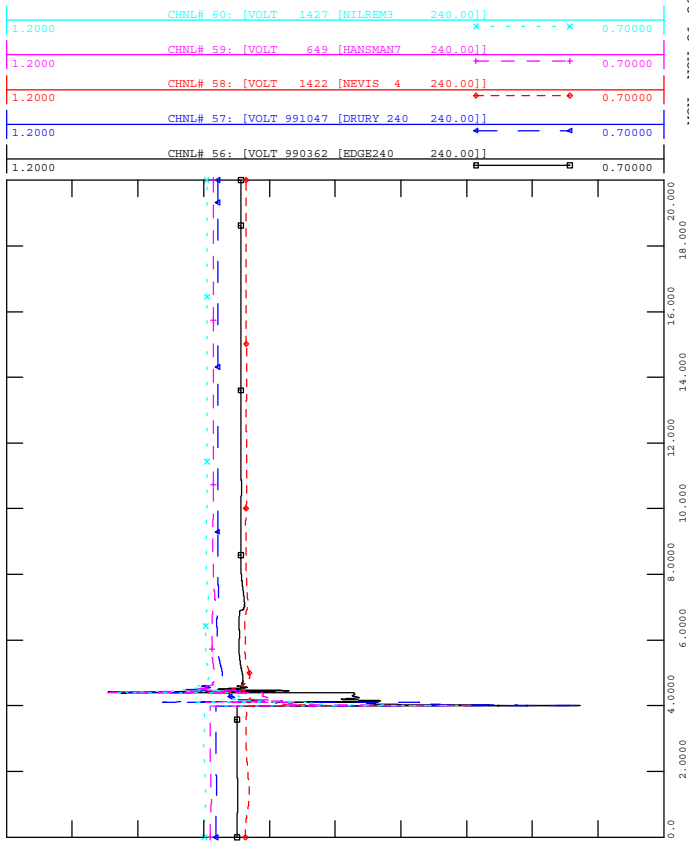
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 13:40

BUS VOLTAGE

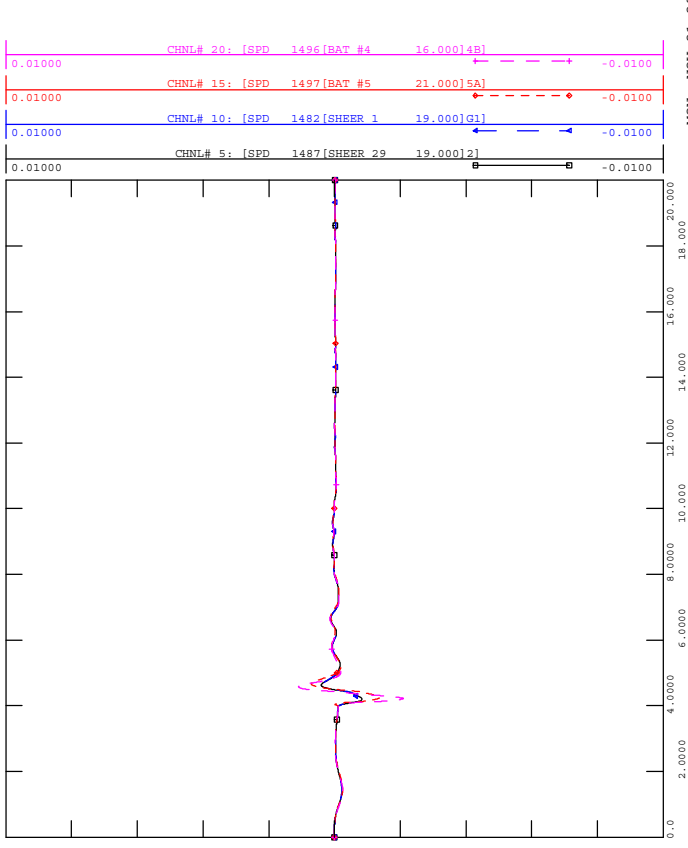


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 13:40

MACHINE SPEED

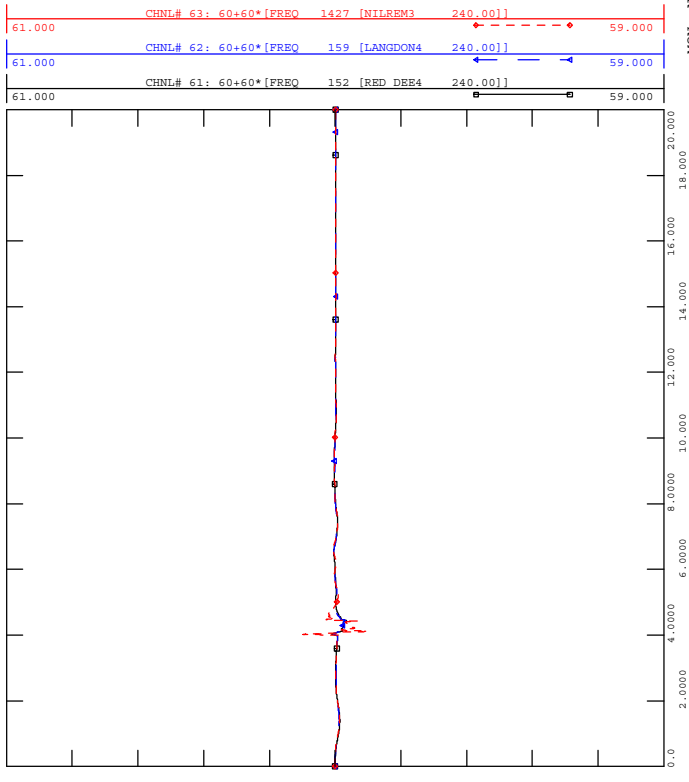


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 13:40

FREQUENCY

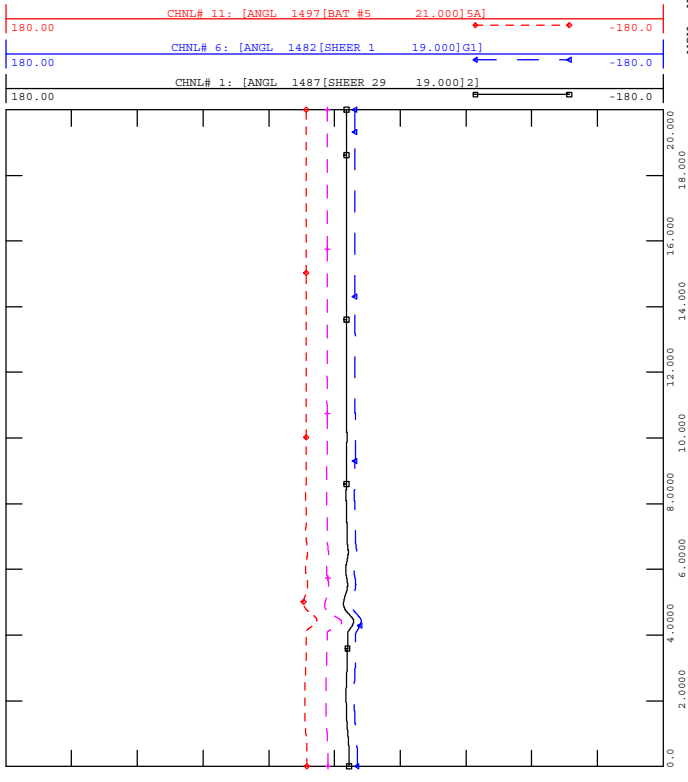


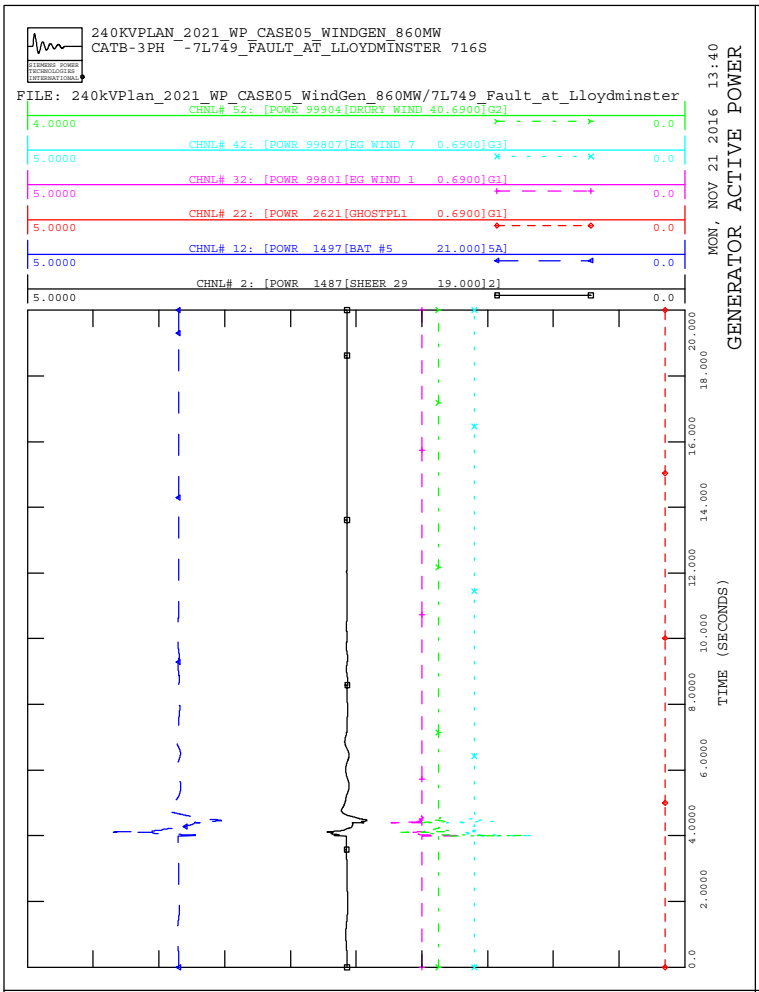
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S

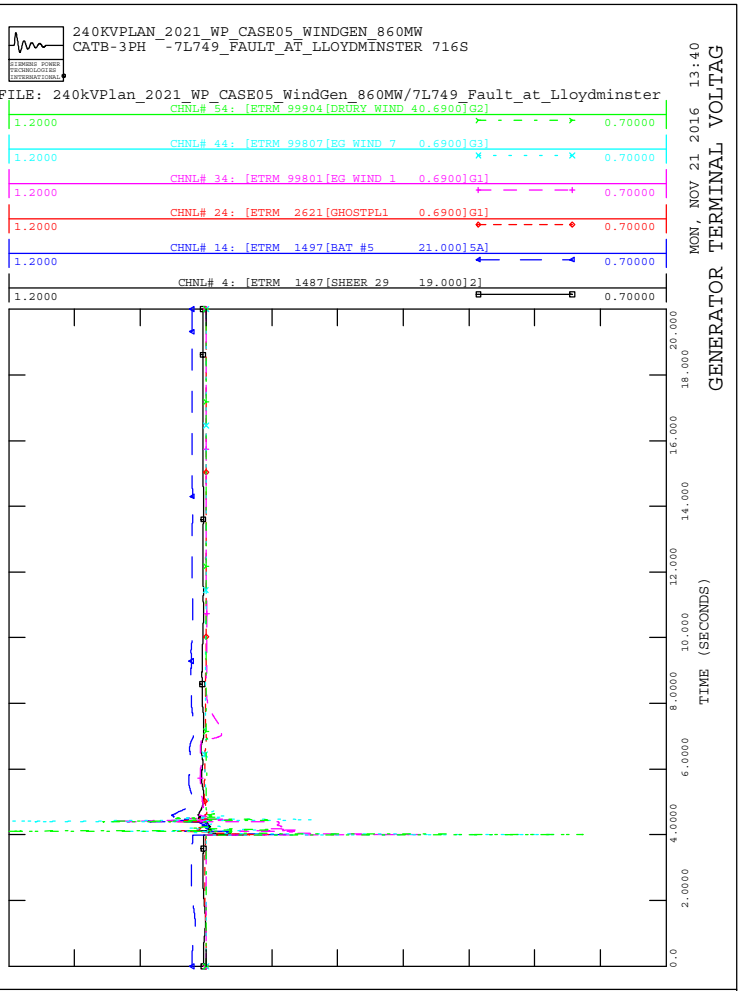
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster

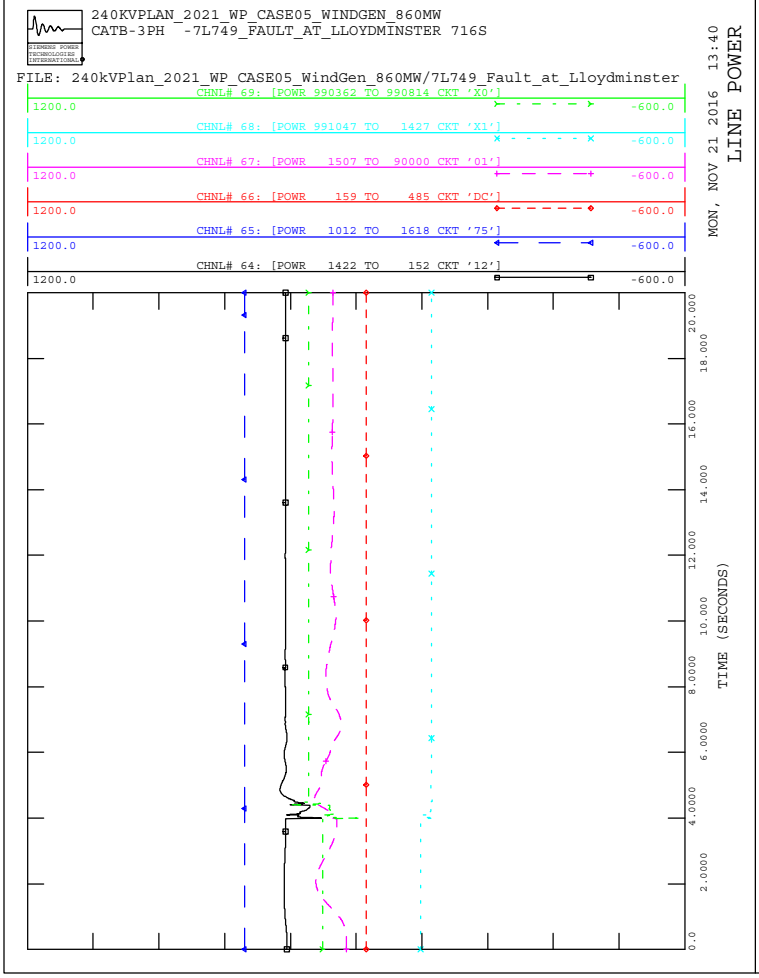
MON, NOV 21 2016 13:40

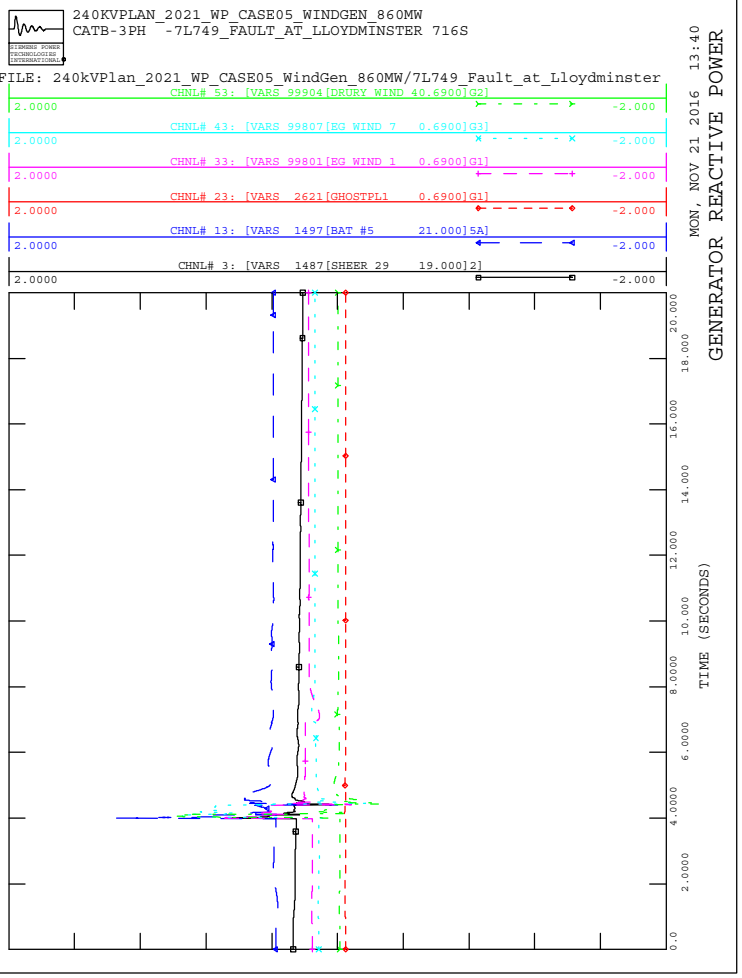
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:40
LINE POWER
TIME (SECONDS)

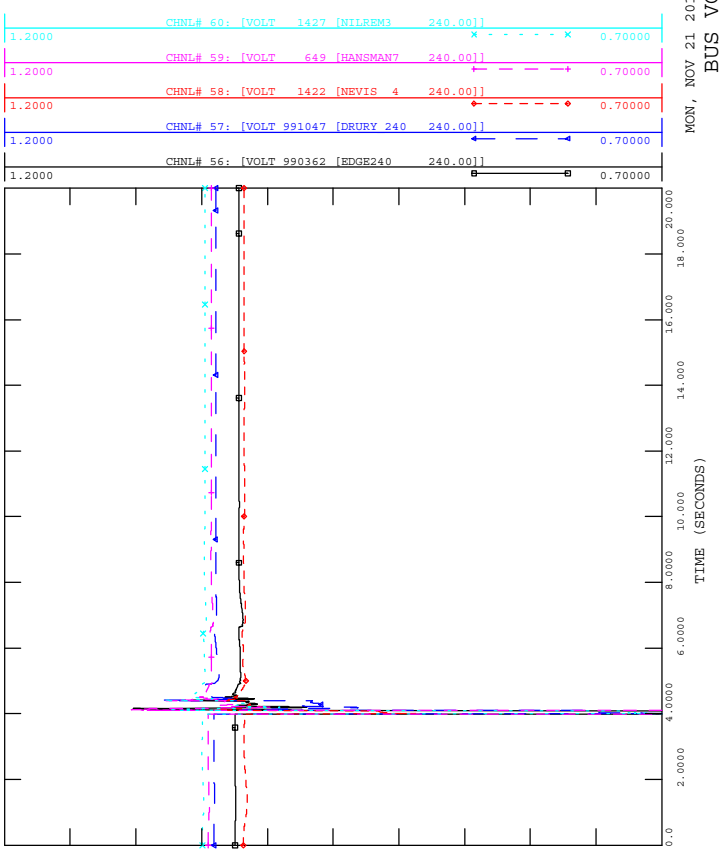

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 13:40

BUS VOLTAGE

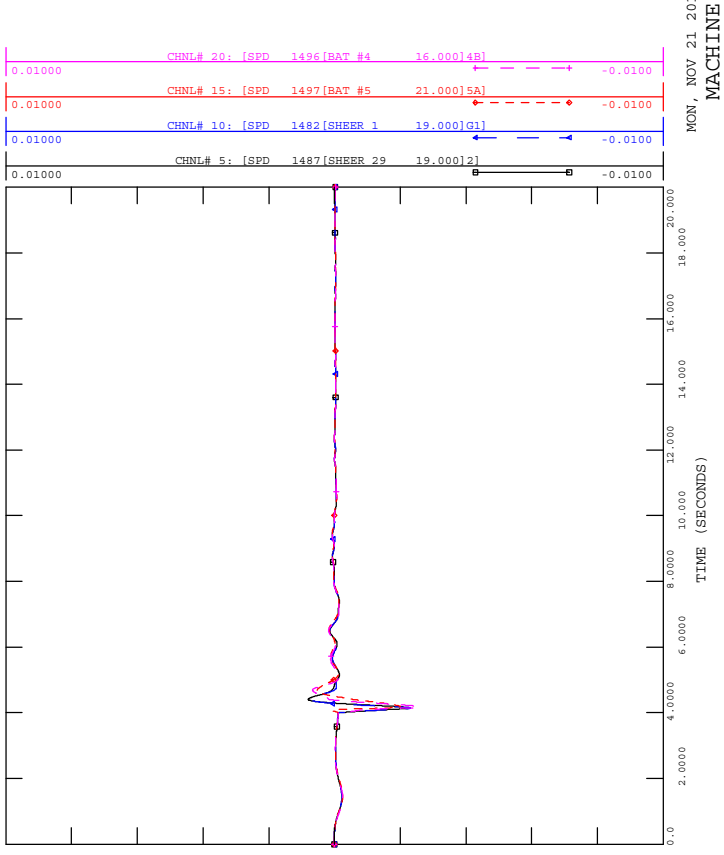


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 13:40

MACHINE SPEED

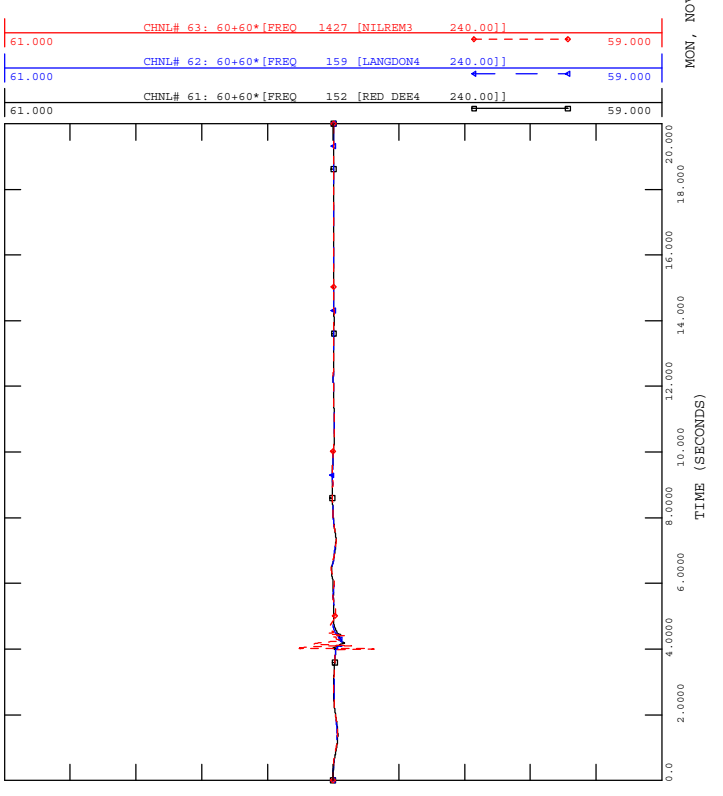


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 13:40

FREQUENCY

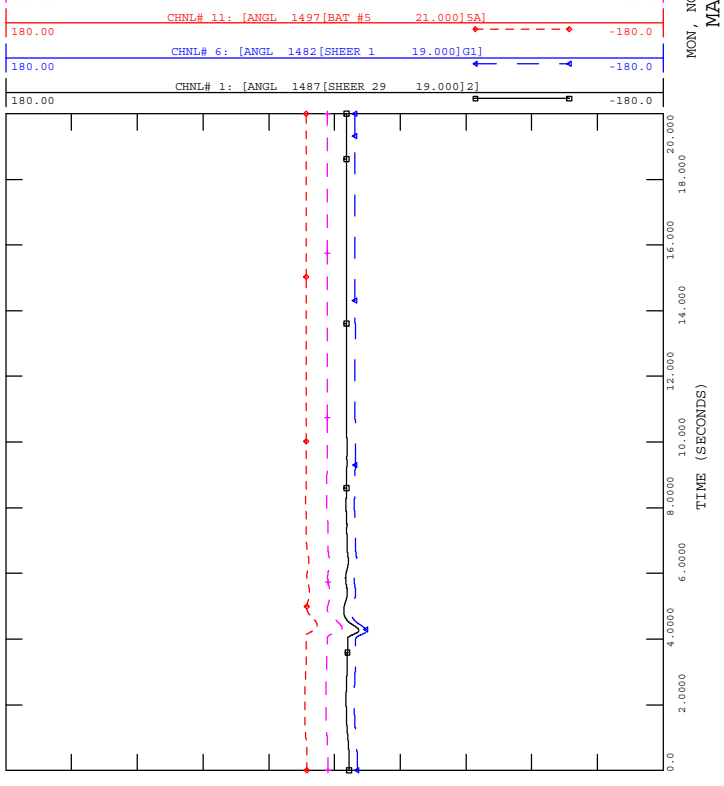


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S

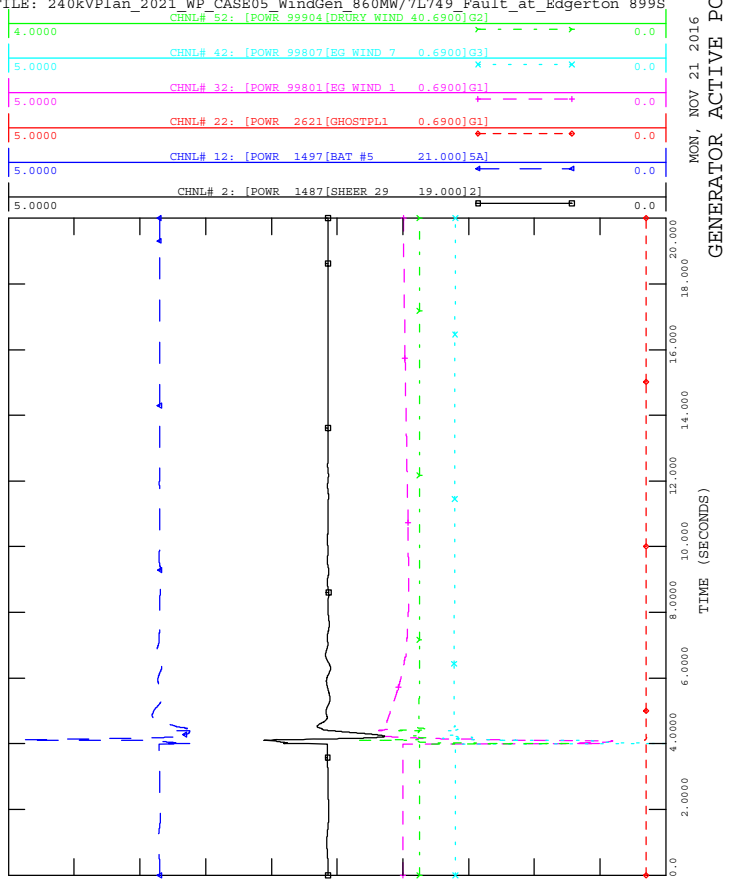
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

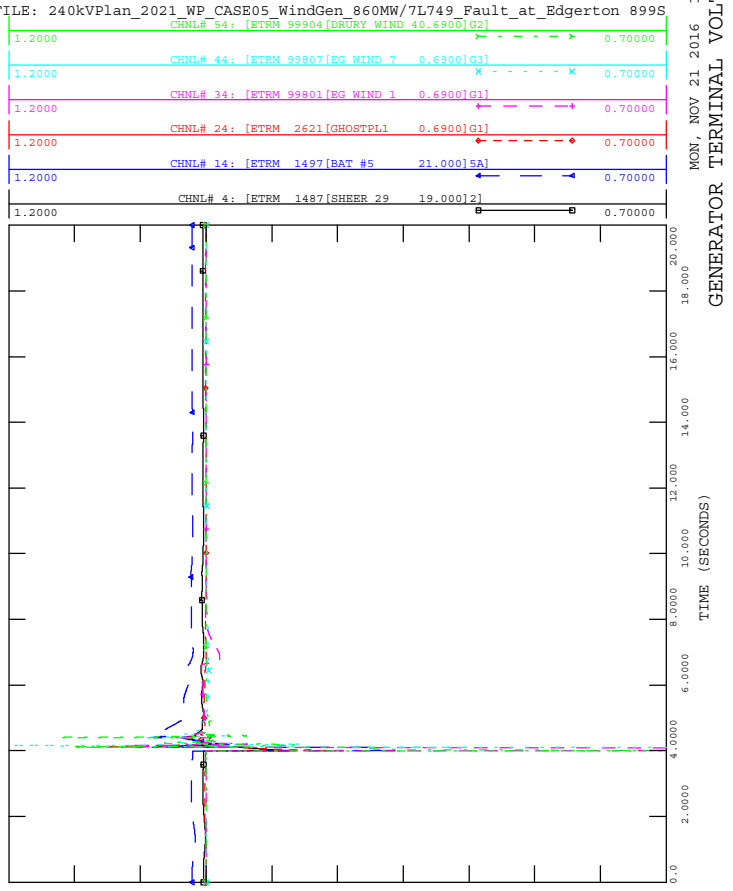
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

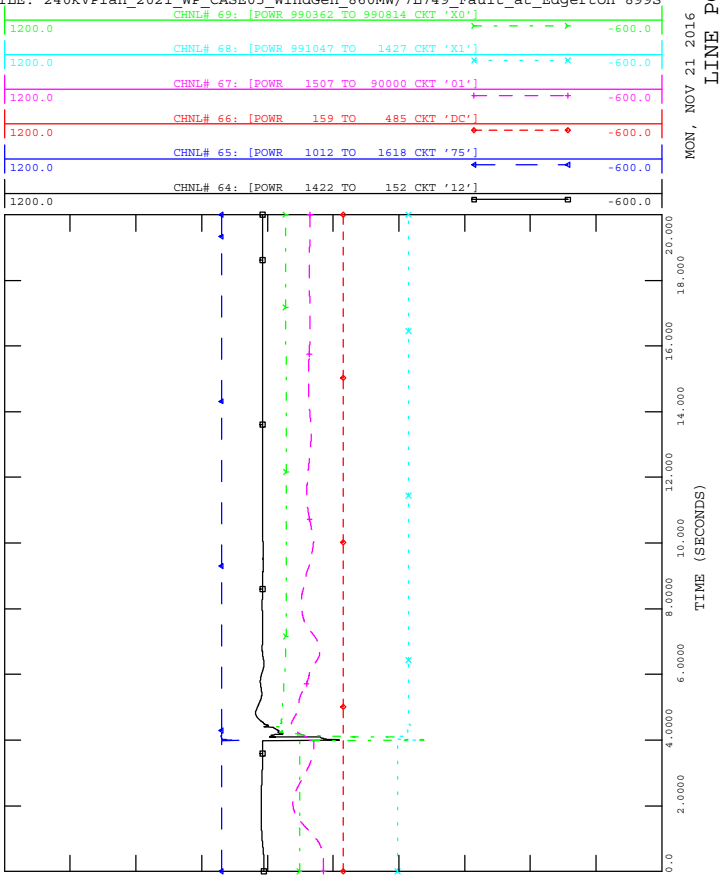
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

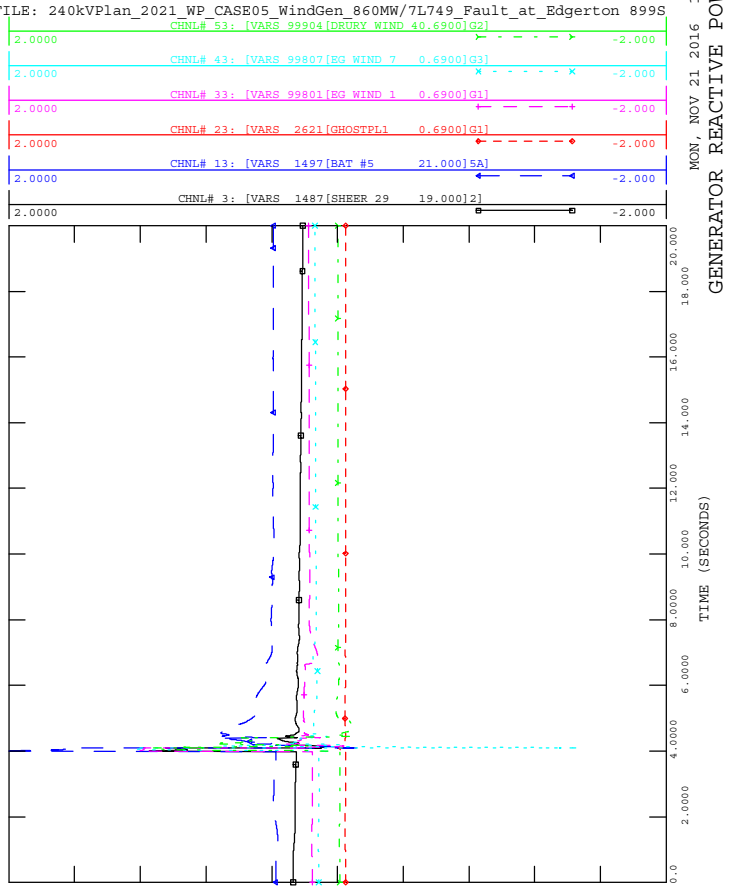
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S



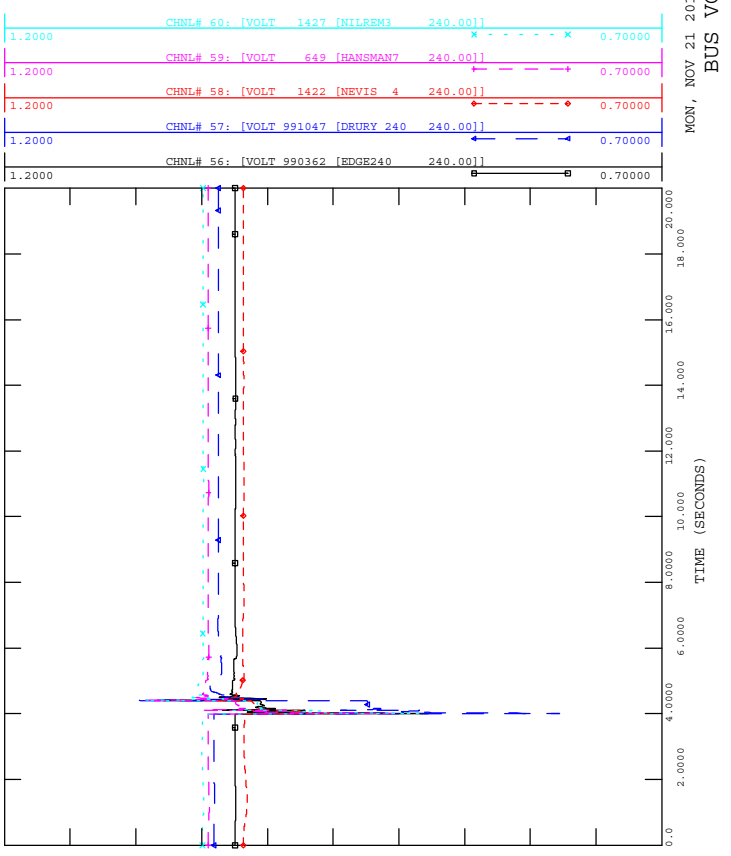
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3

MON, NOV 21 2016 13:40

BUS VOLTAGE

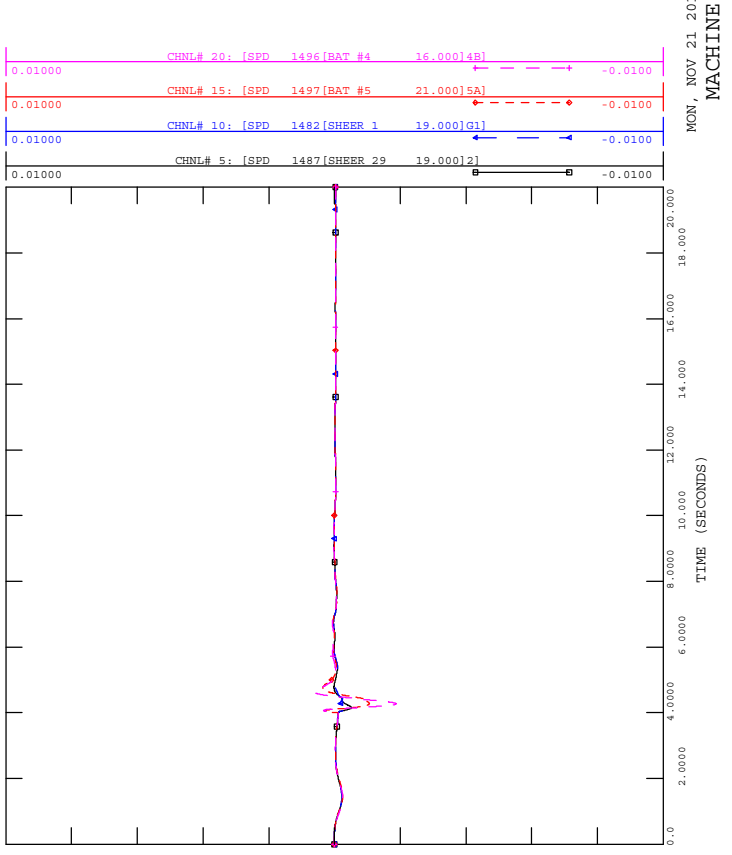


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3

MON, NOV 21 2016 13:40

MACHINE SPEED

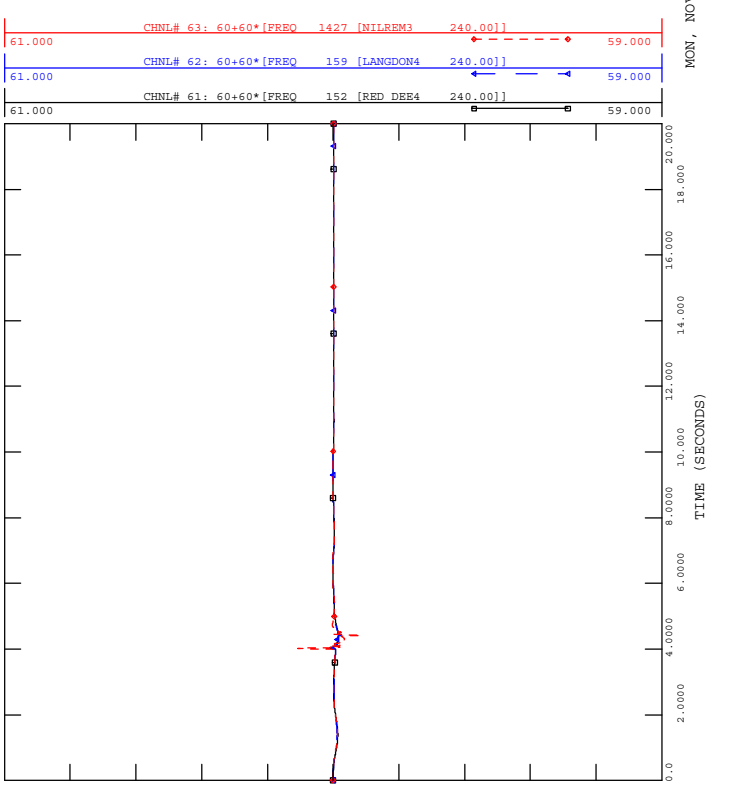


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3

MON, NOV 21 2016 13:40

FREQUENCY

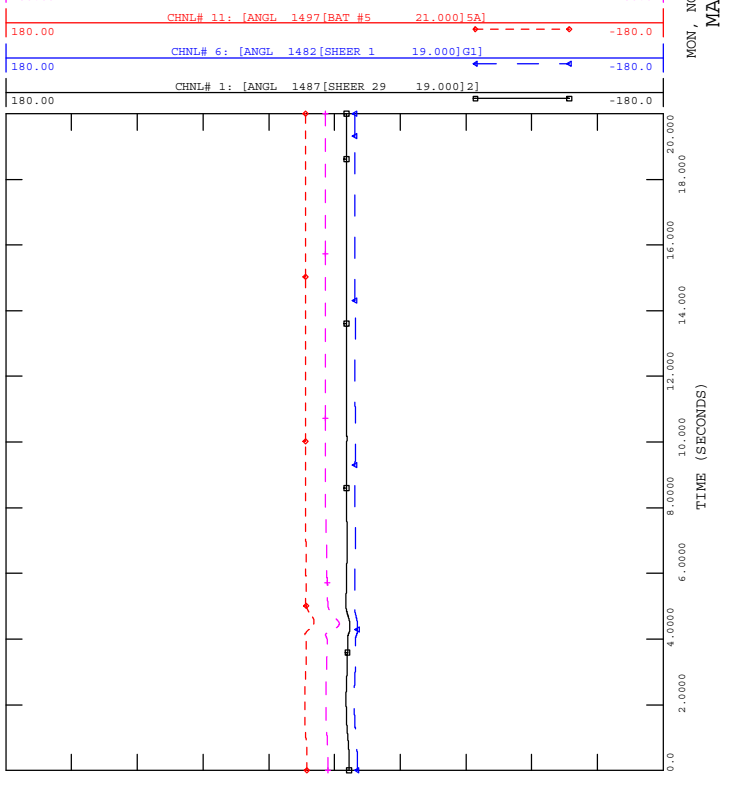


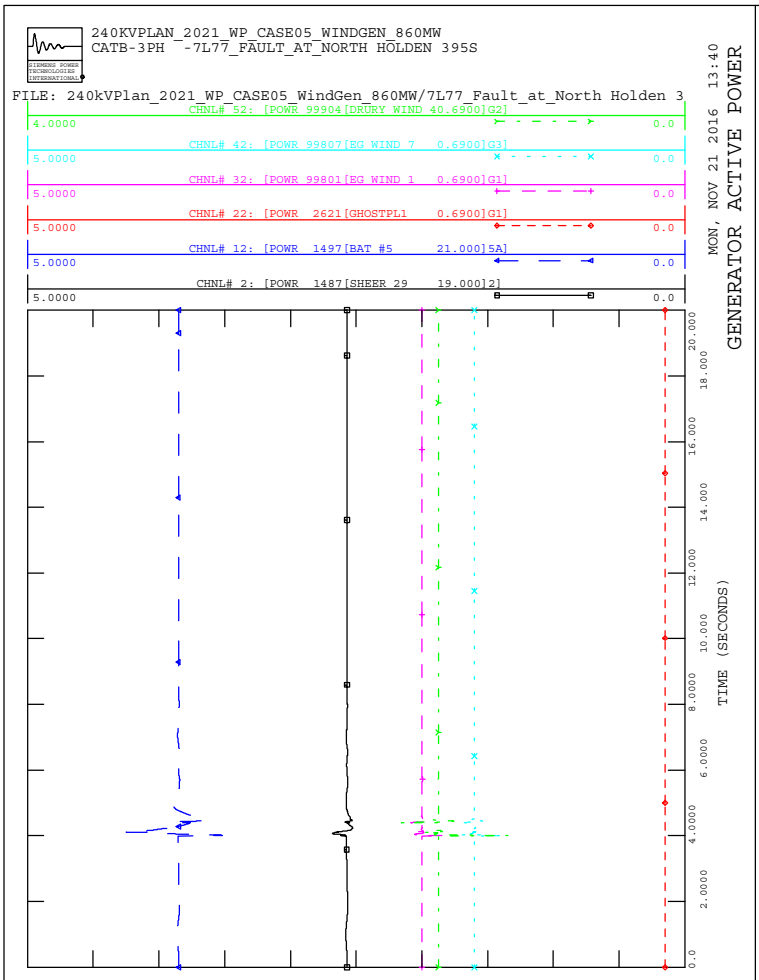
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S

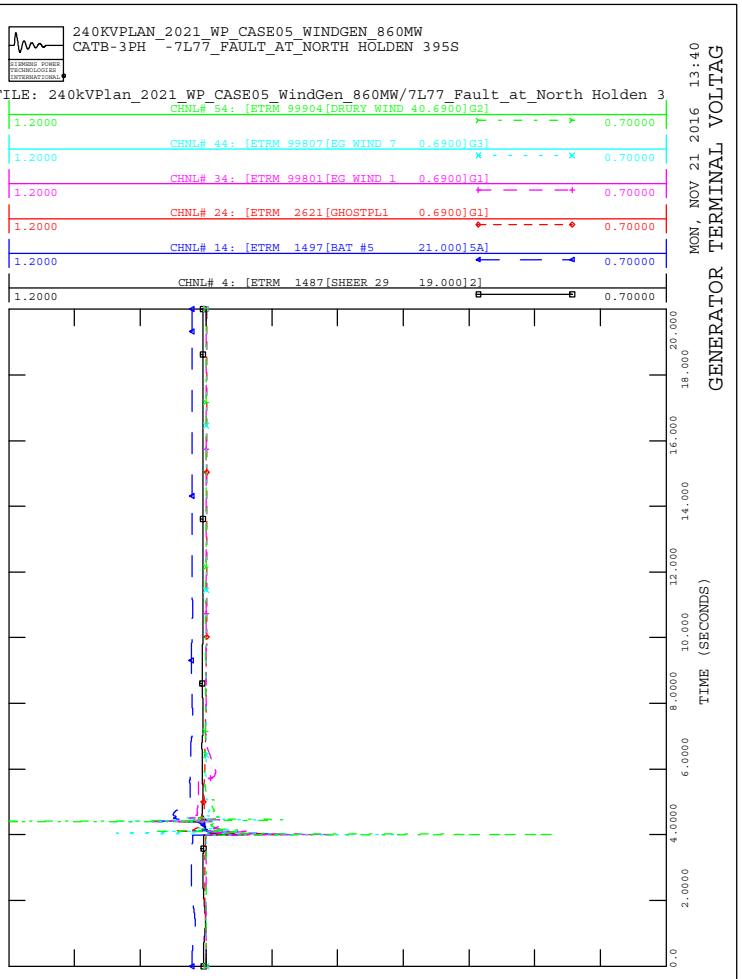
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3

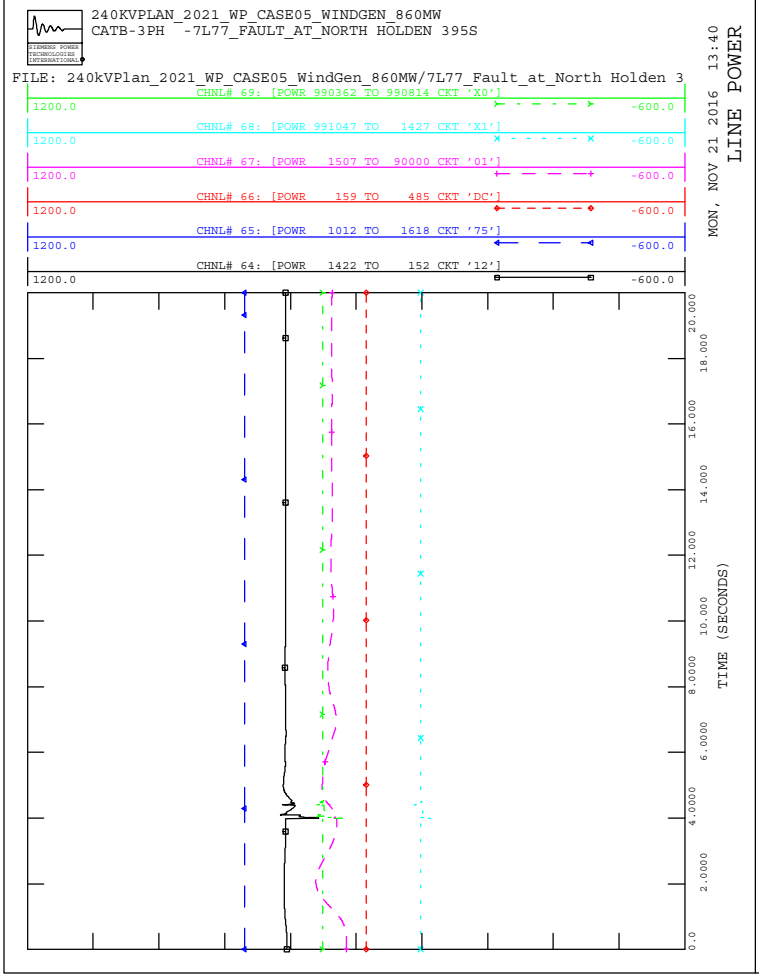
MON, NOV 21 2016 13:40

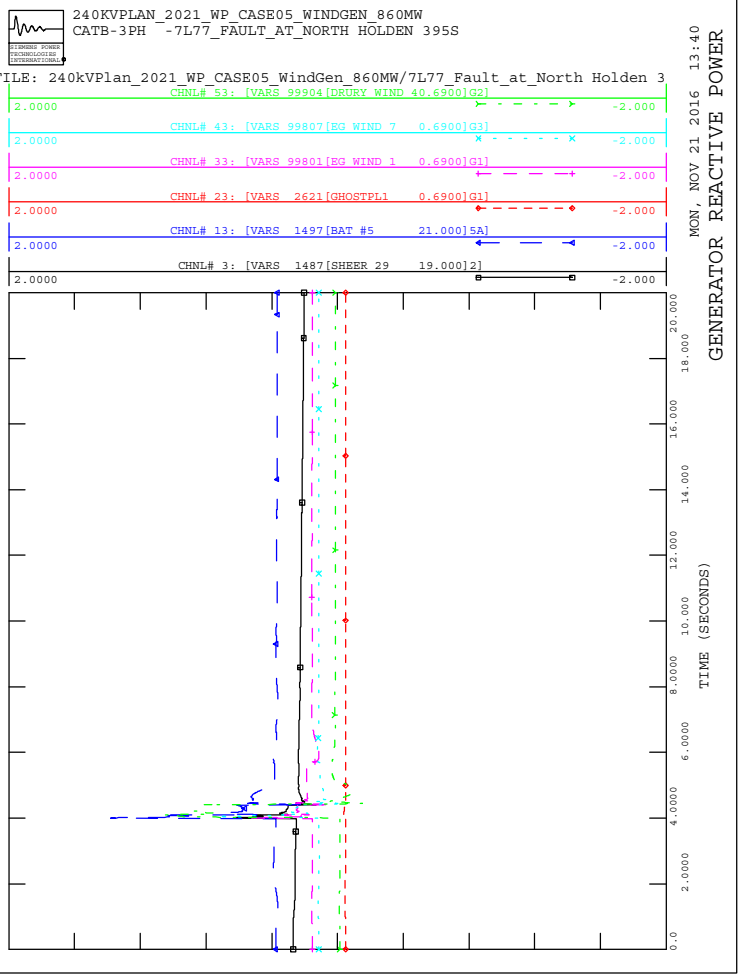
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

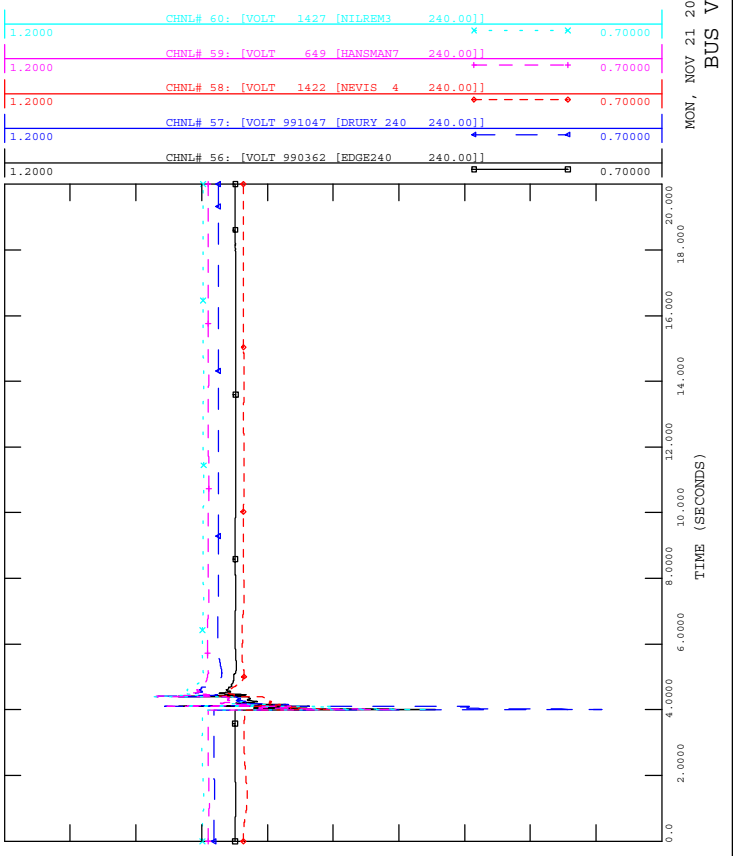

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 13:40

BUS VOLTAGE

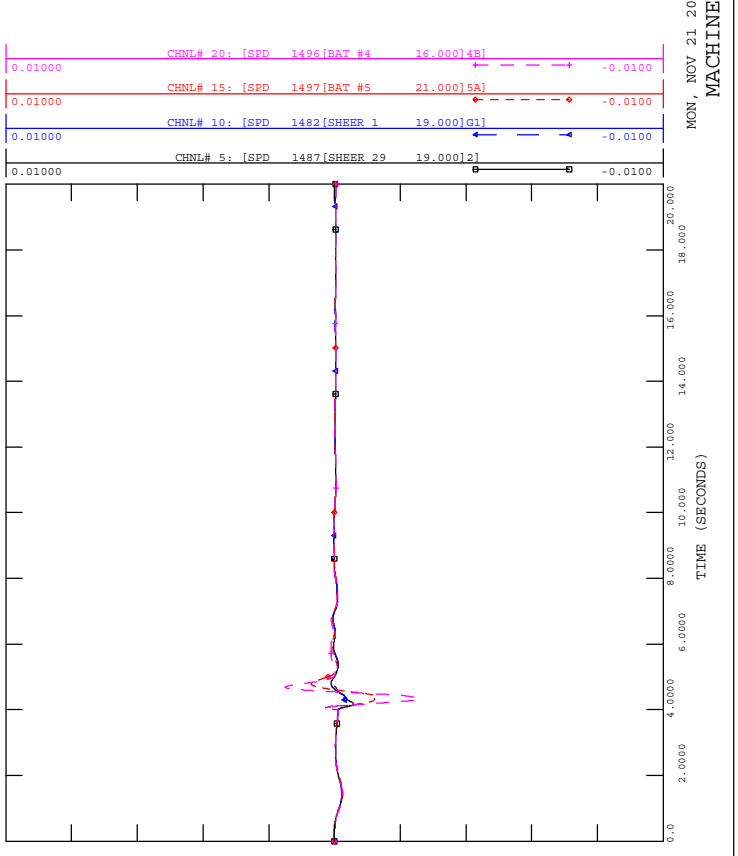


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 13:40

MACHINE SPEED

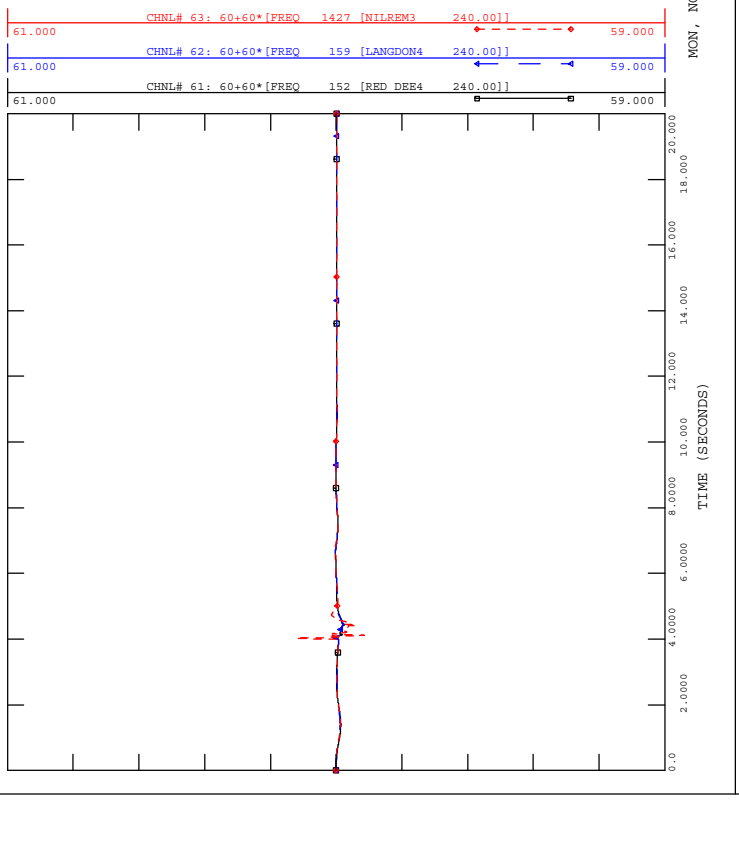


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 13:40

FREQUENCY

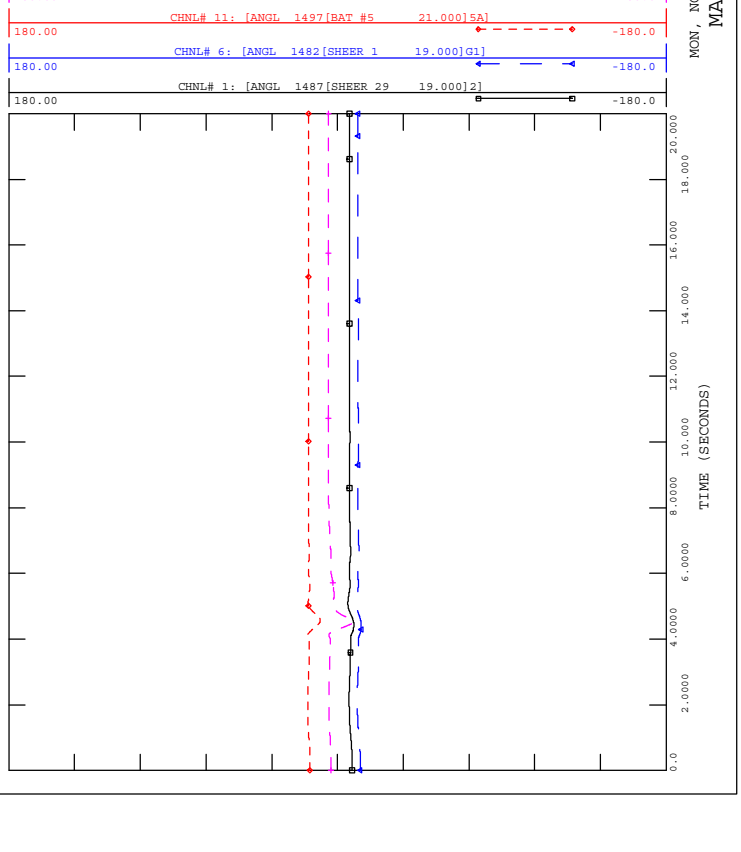


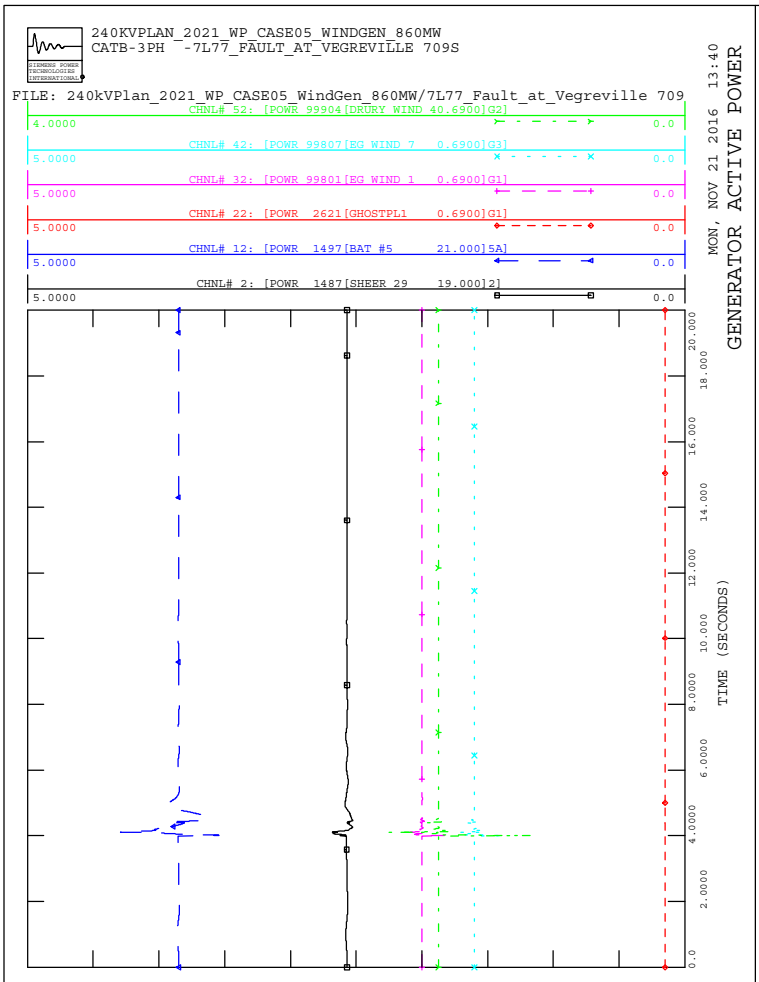
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S

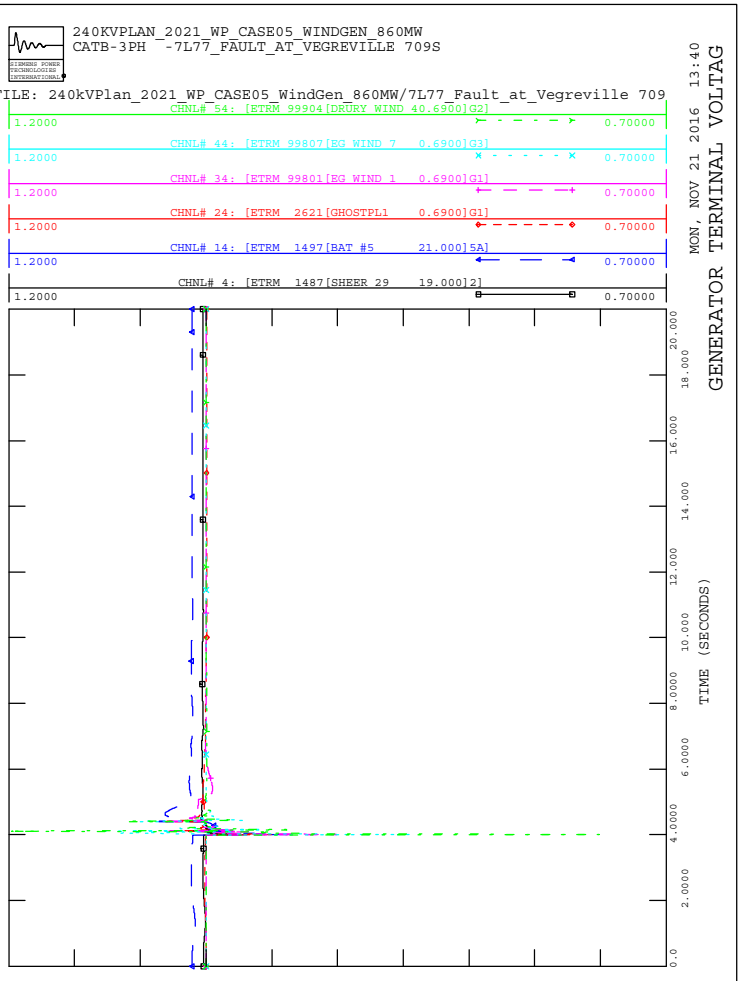
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 13:40

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
5.0000
5.0000
5.0000
0.0
0.0
0.0
0.0
0.0
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
1.2000
1.2000
1.2000
1.2000
0.70000
0.70000
0.70000
0.70000
0.70000
0.70000
0.70000
2.0000
4.0000
6.0000
8.0000
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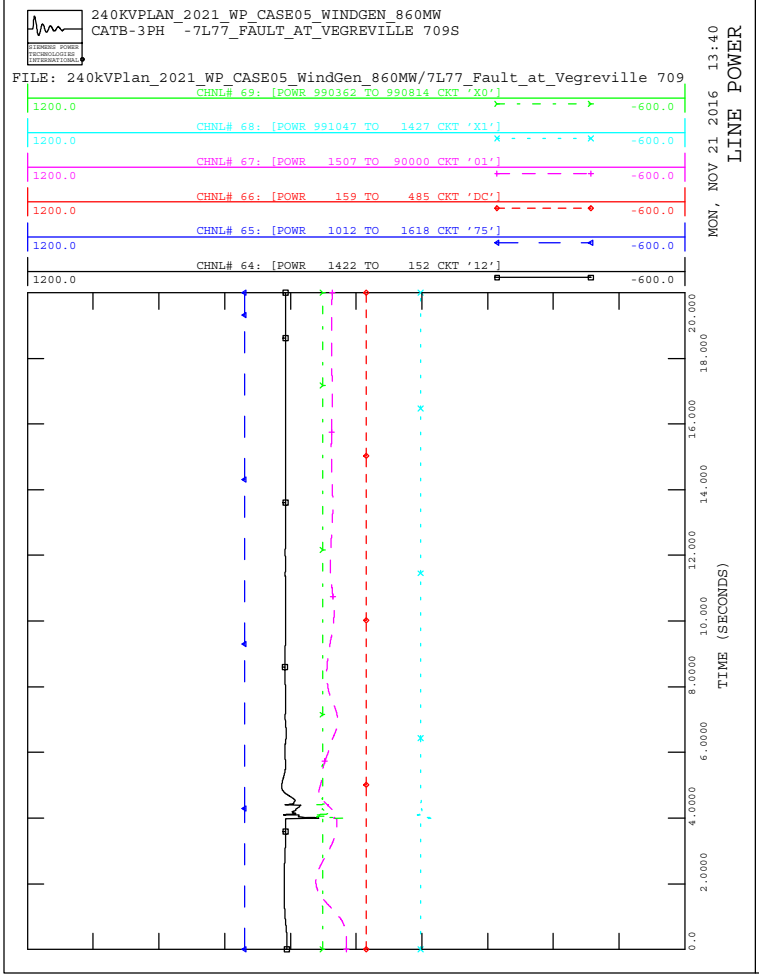
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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4.0000
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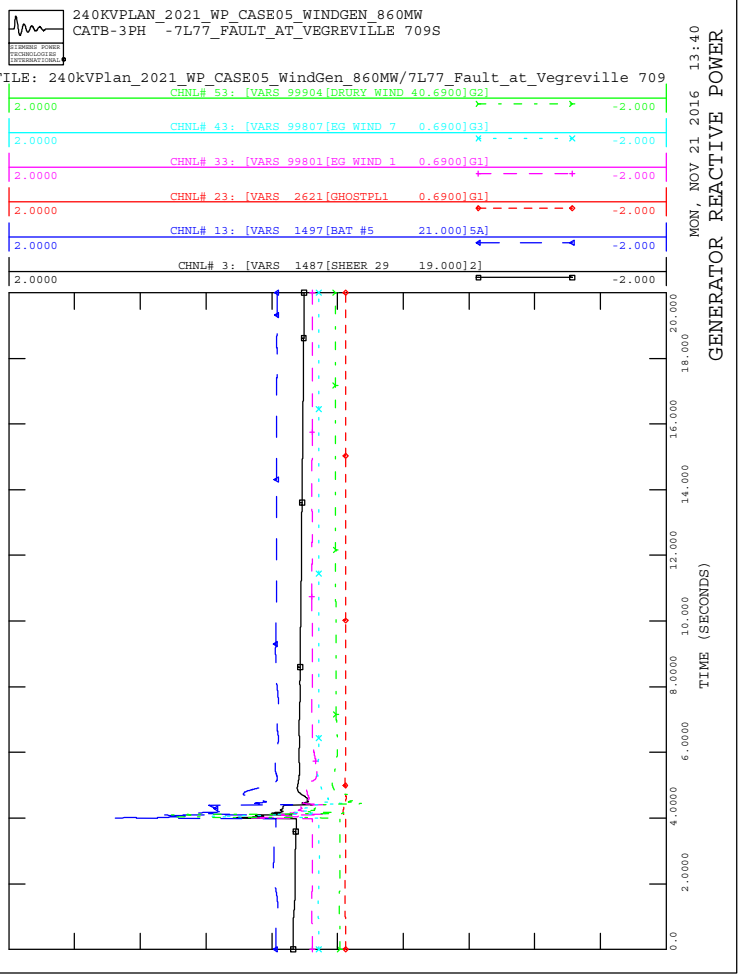
TIME (SECONDS)
MON, NOV 21 2016 13:40
LINE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
2.0000
2.0000
2.0000
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2.0000
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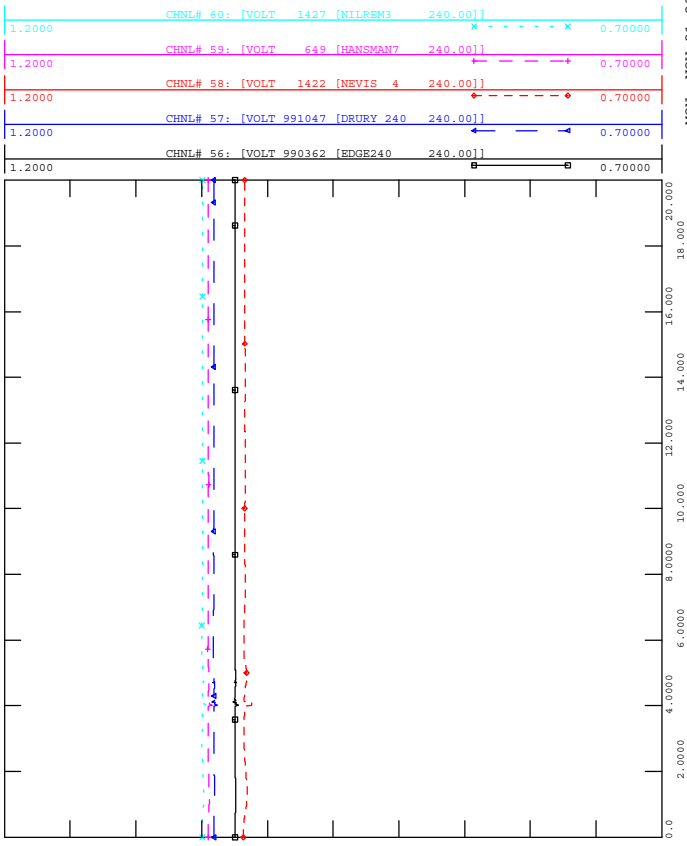
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

MON, NOV 21 2016 13:40

BUS VOLTAGE

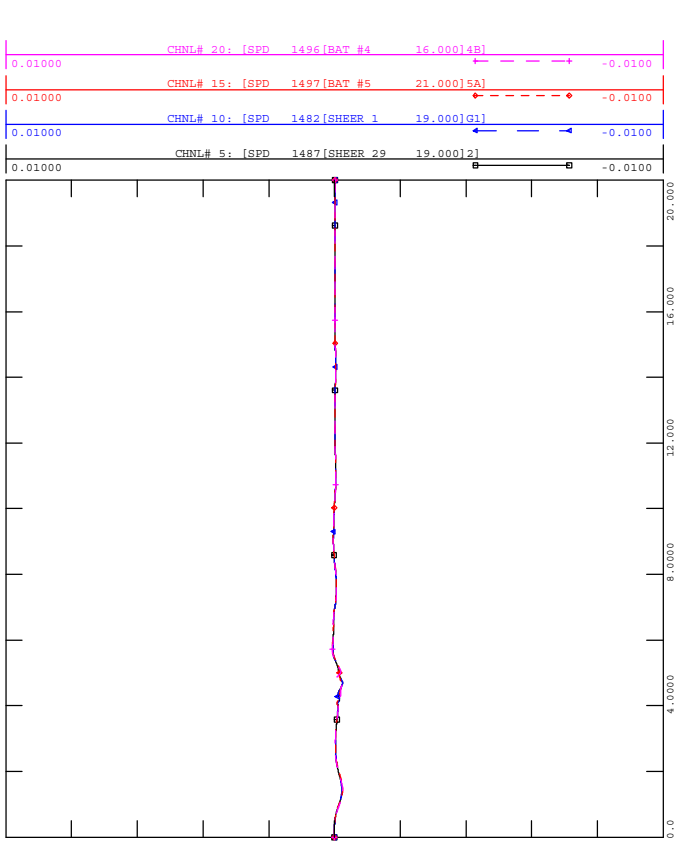


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

MON, NOV 21 2016 13:40

MACHINE SPEED

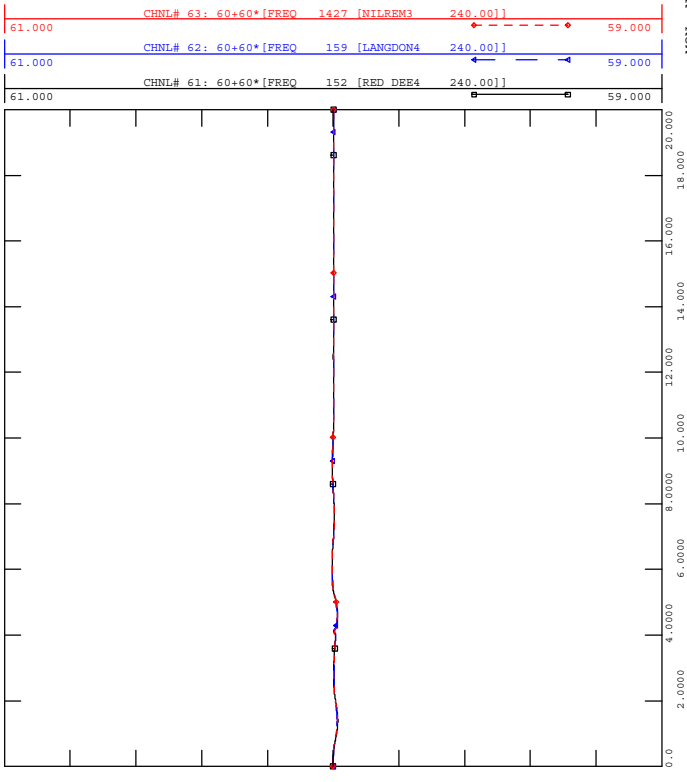


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

MON, NOV 21 2016 13:40

FREQUENCY

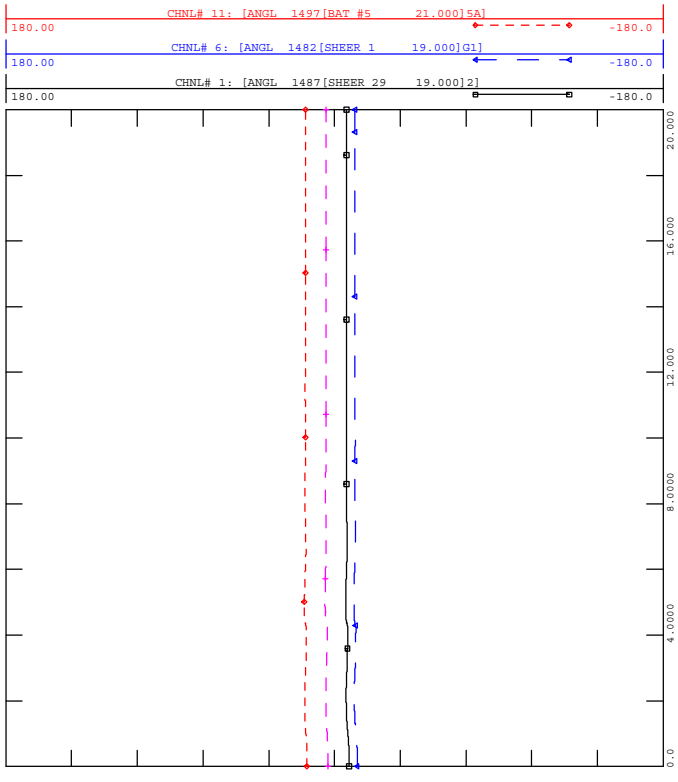


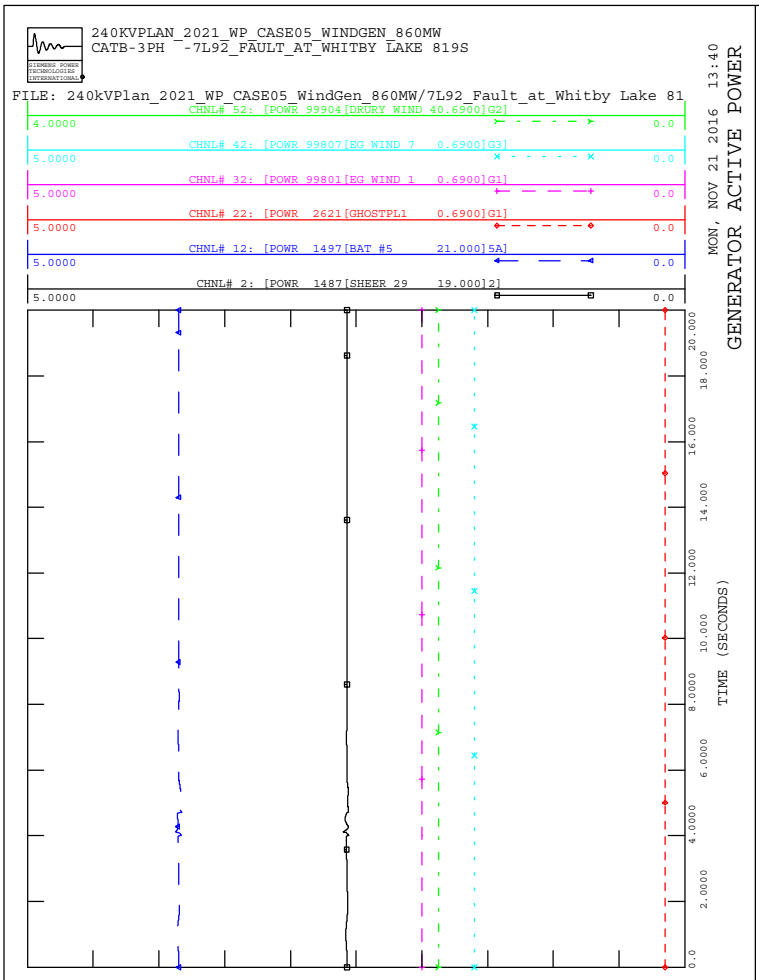
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S

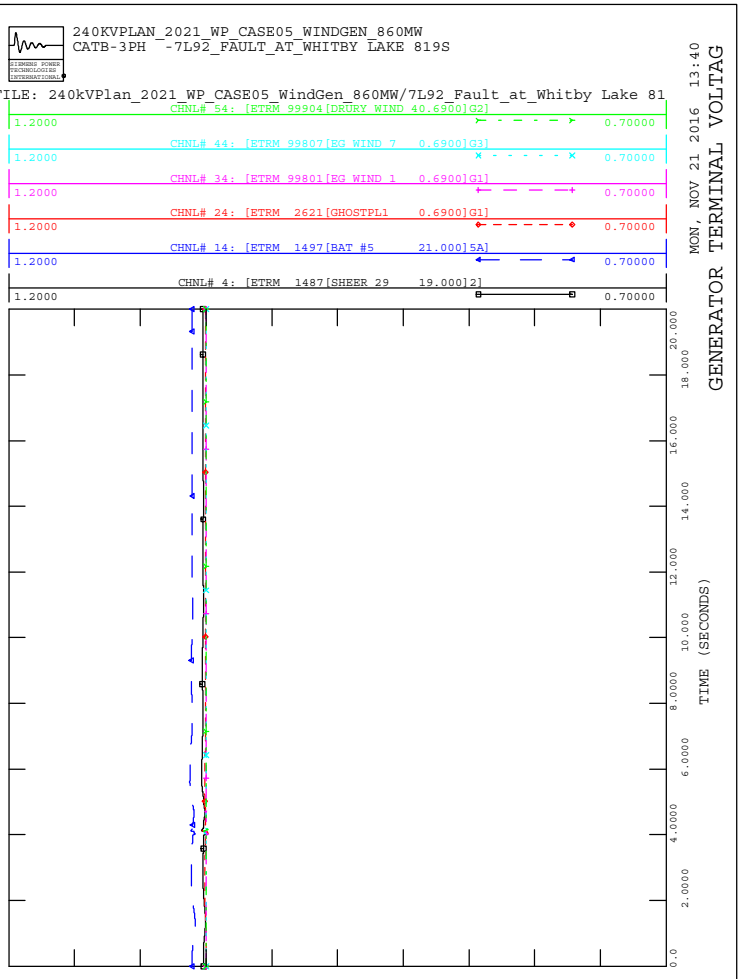
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

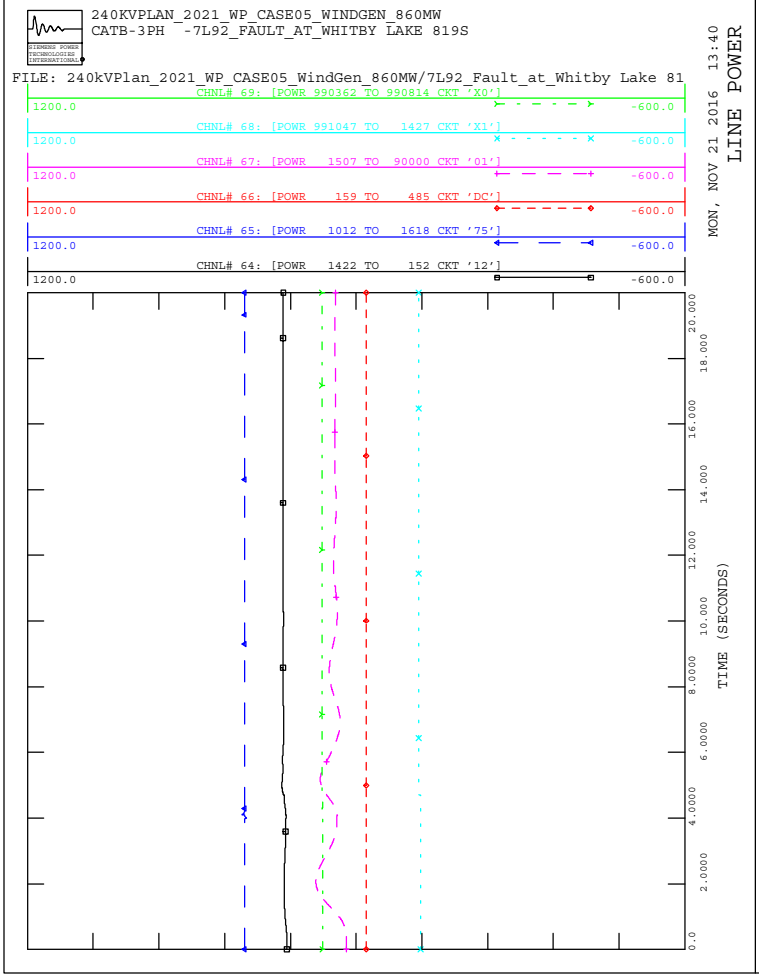
MON, NOV 21 2016 13:40

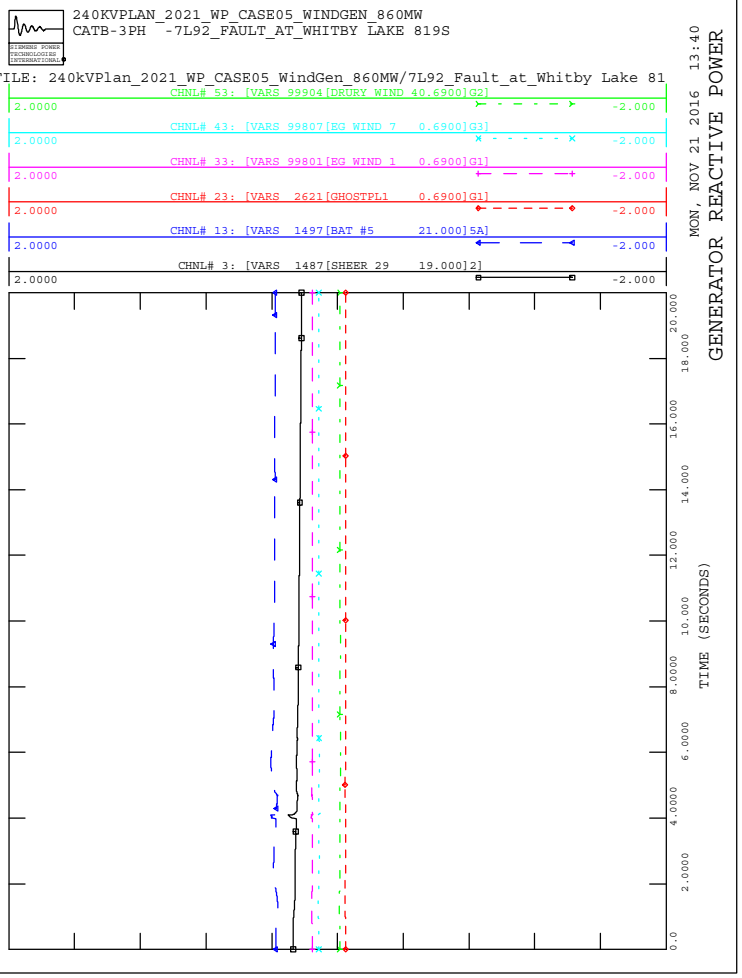
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

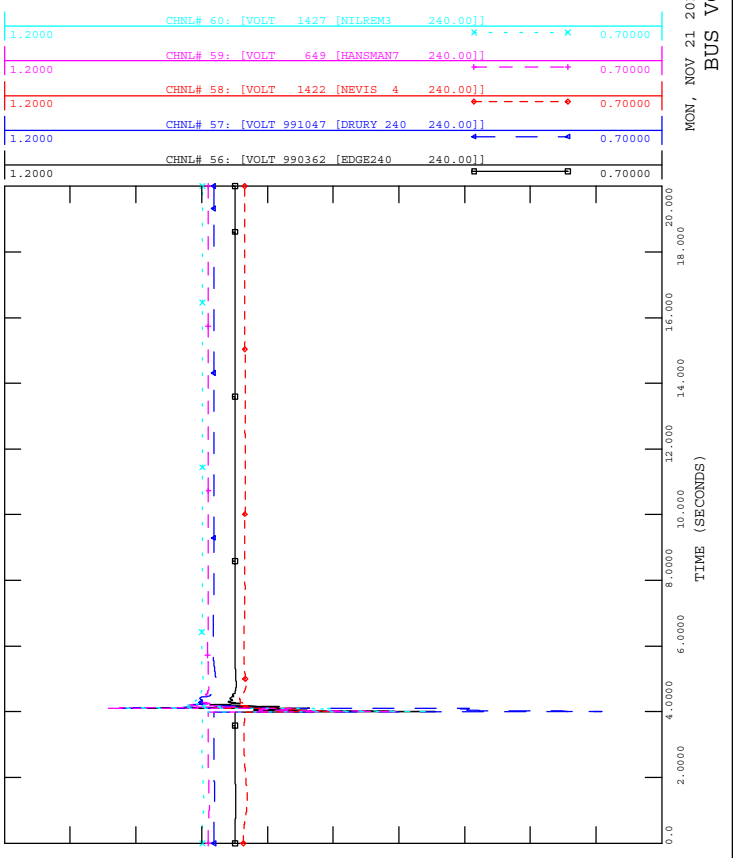

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 13:40

BUS VOLTAGE

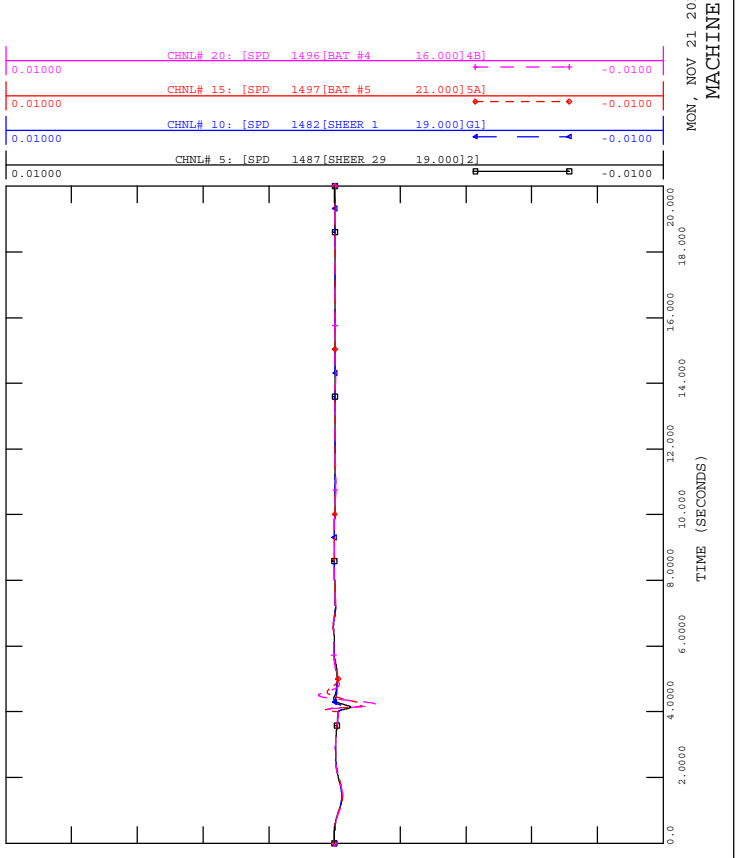


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 13:40

MACHINE SPEED

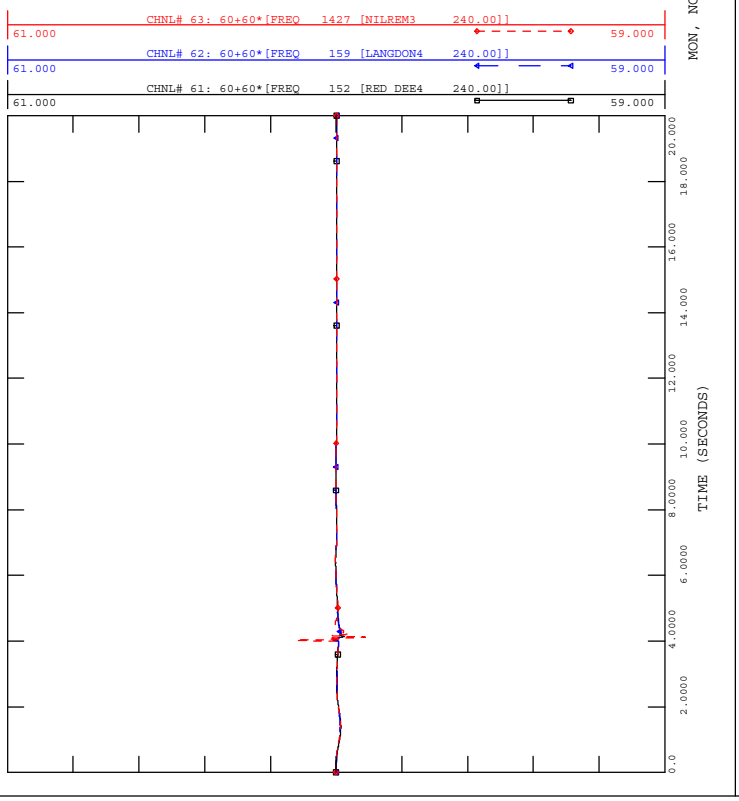


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 13:40

FREQUENCY

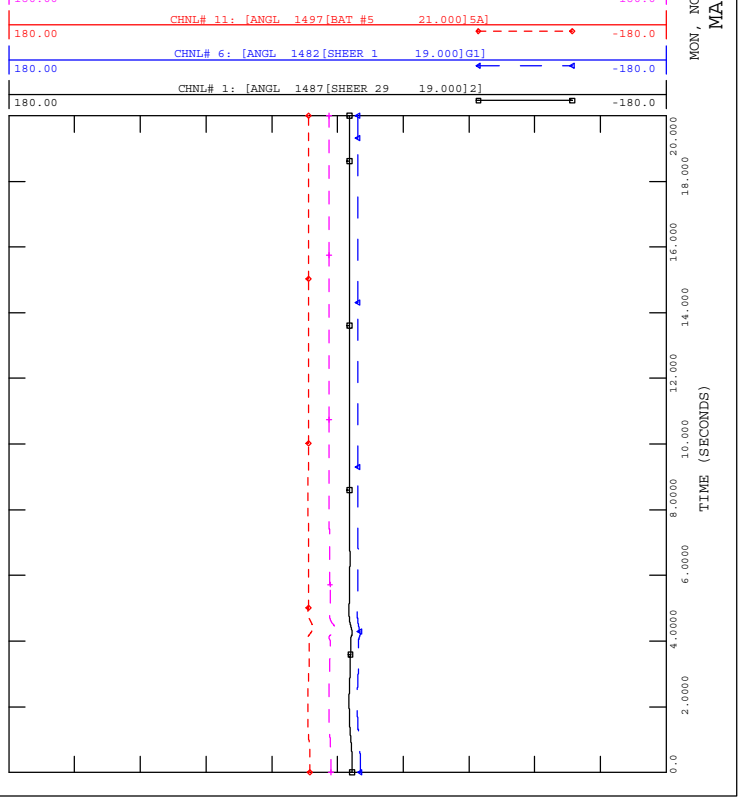


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709

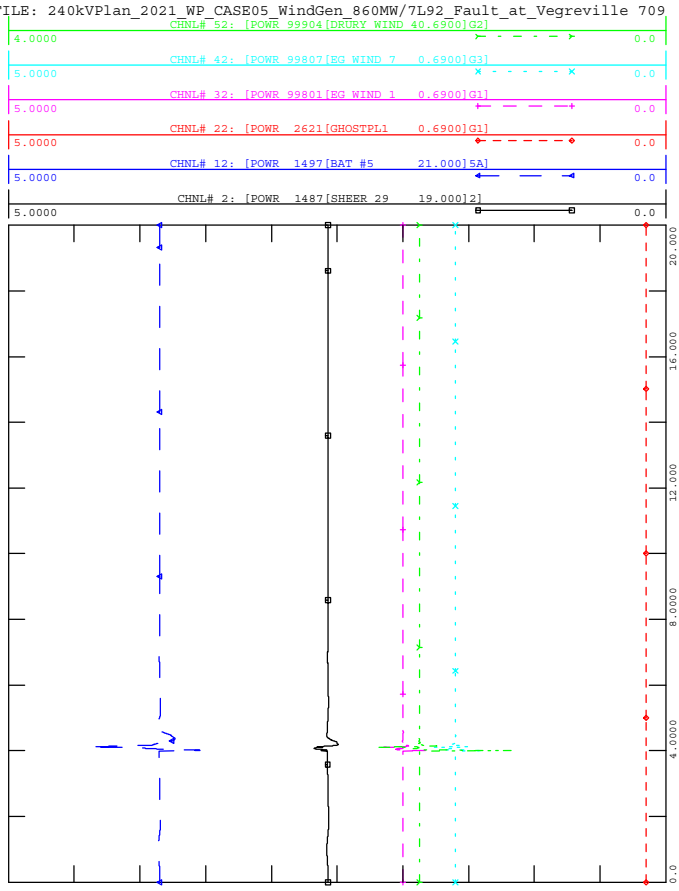
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

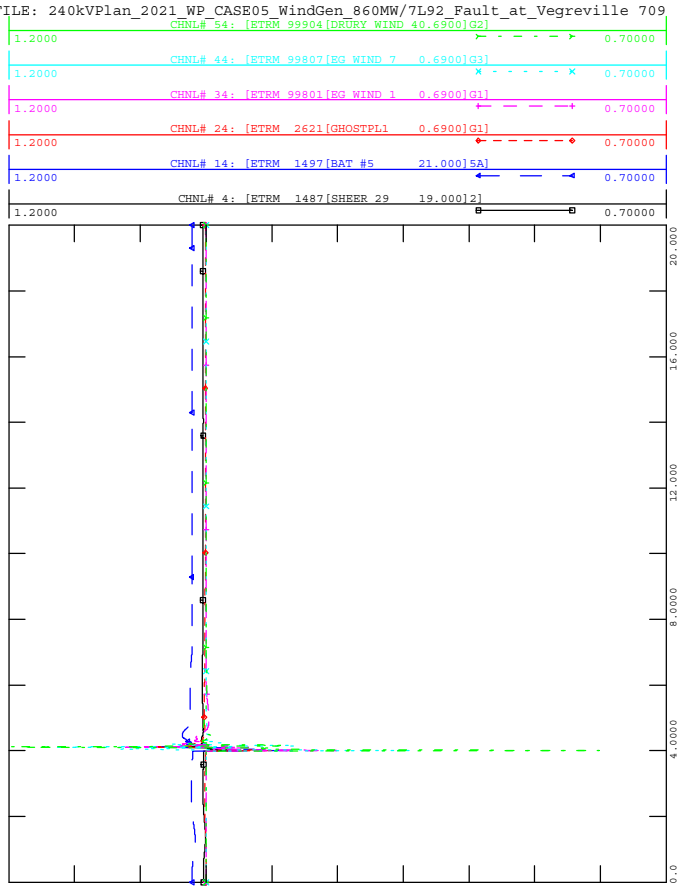
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

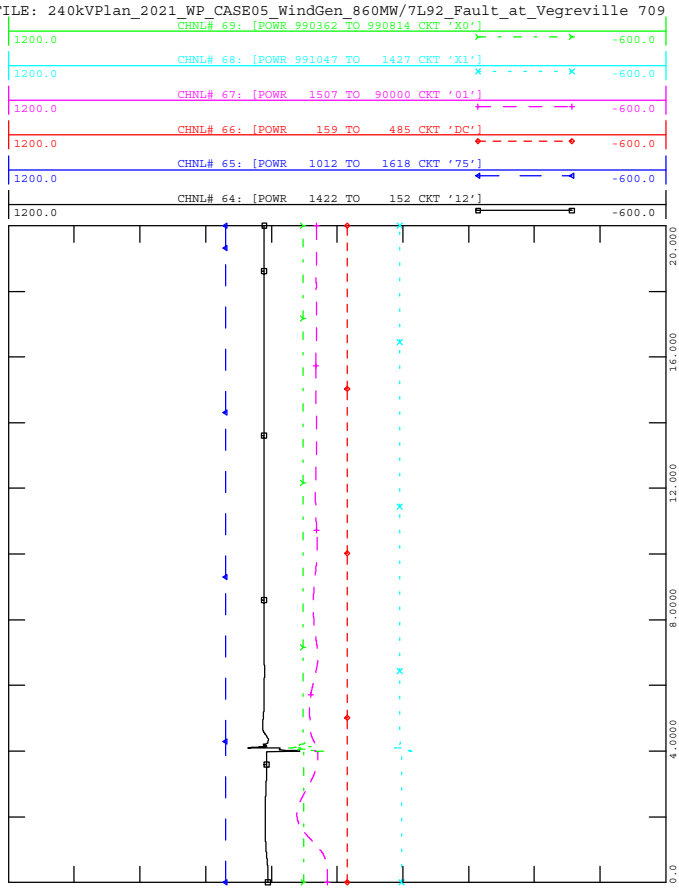
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

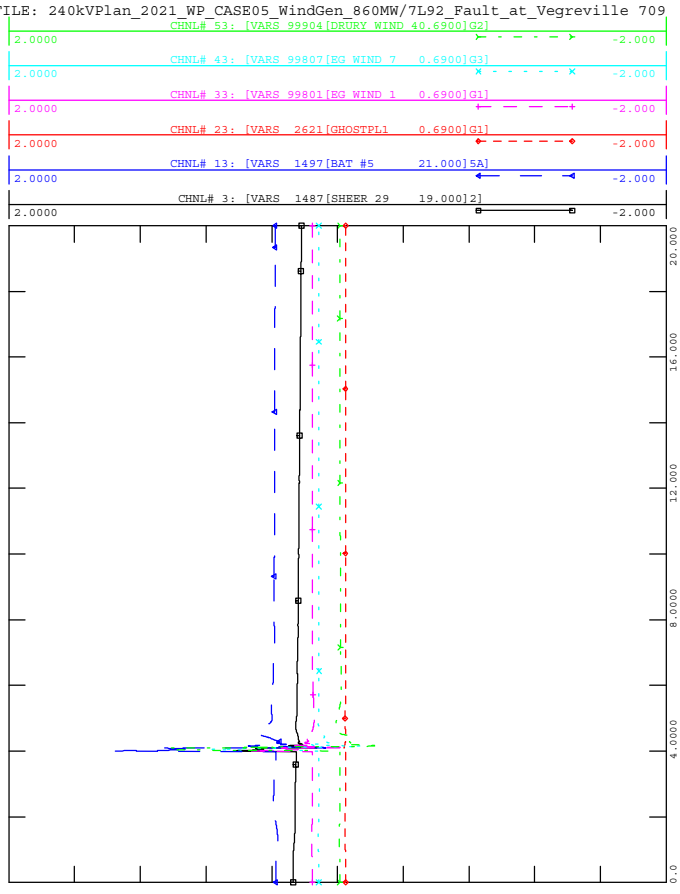
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709



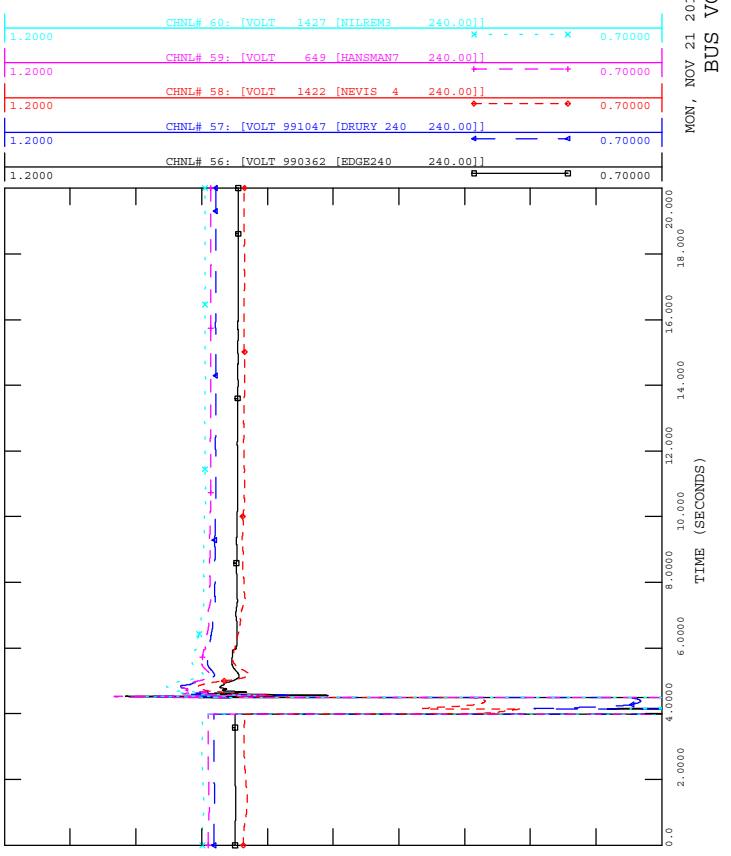
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

BUS VOLTAGE

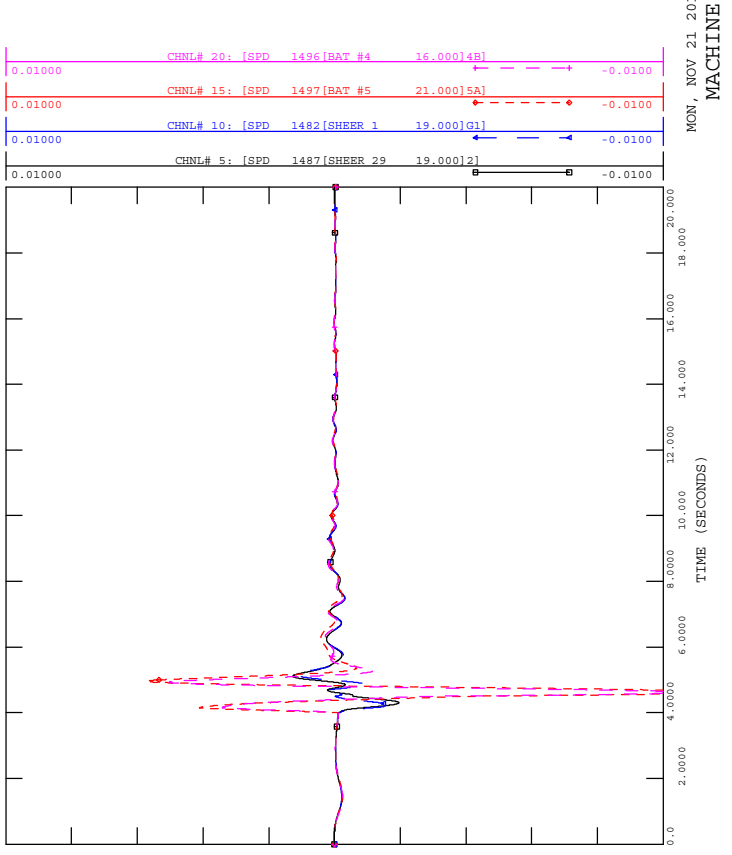


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

MACHINE SPEED

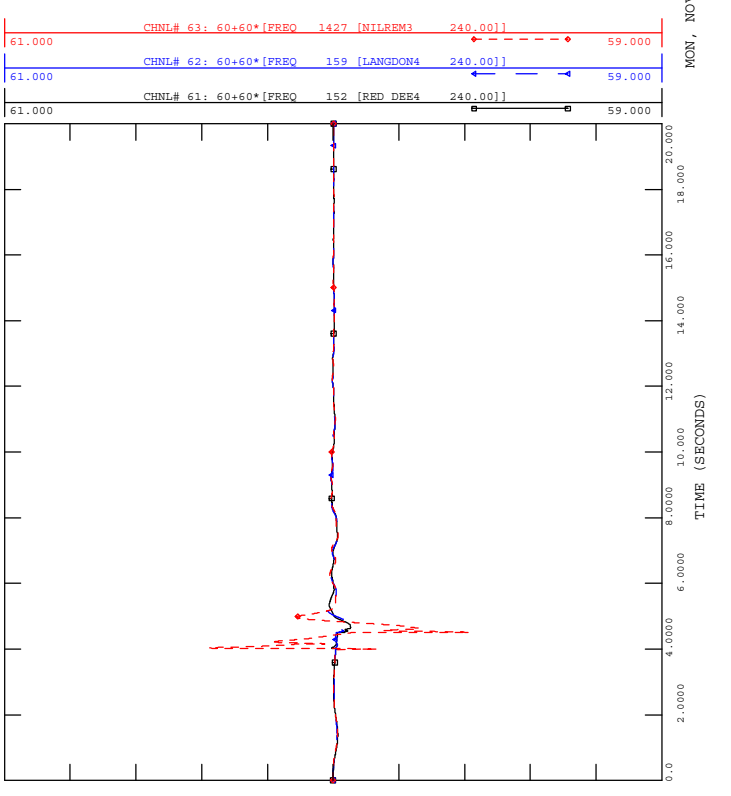


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

FREQUENCY

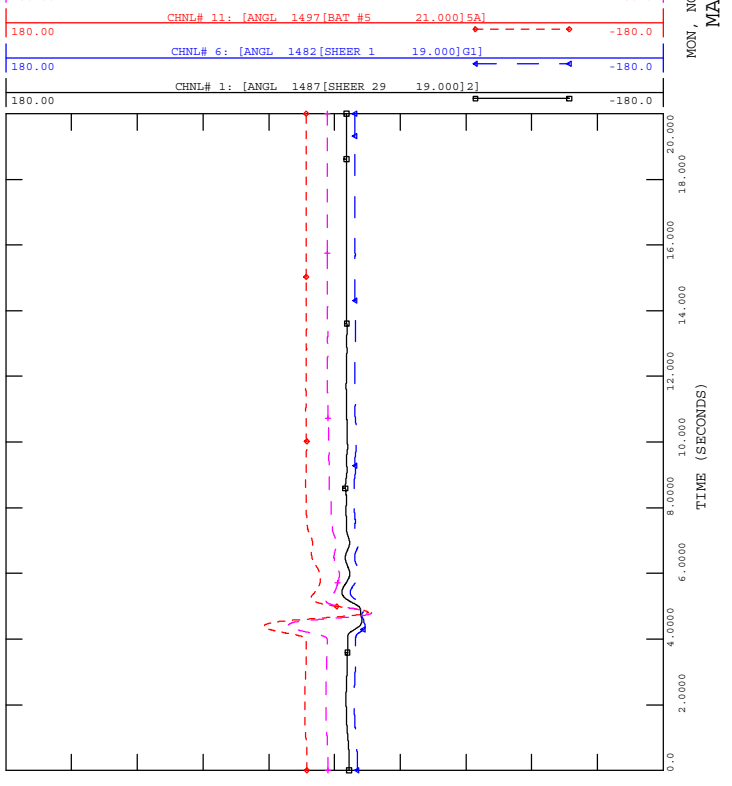


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.

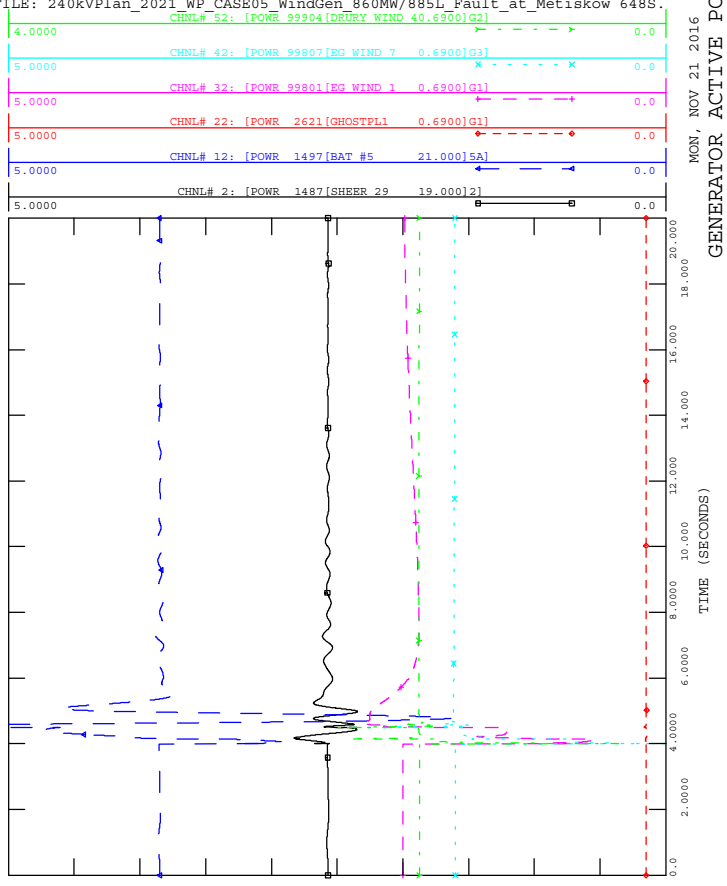
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

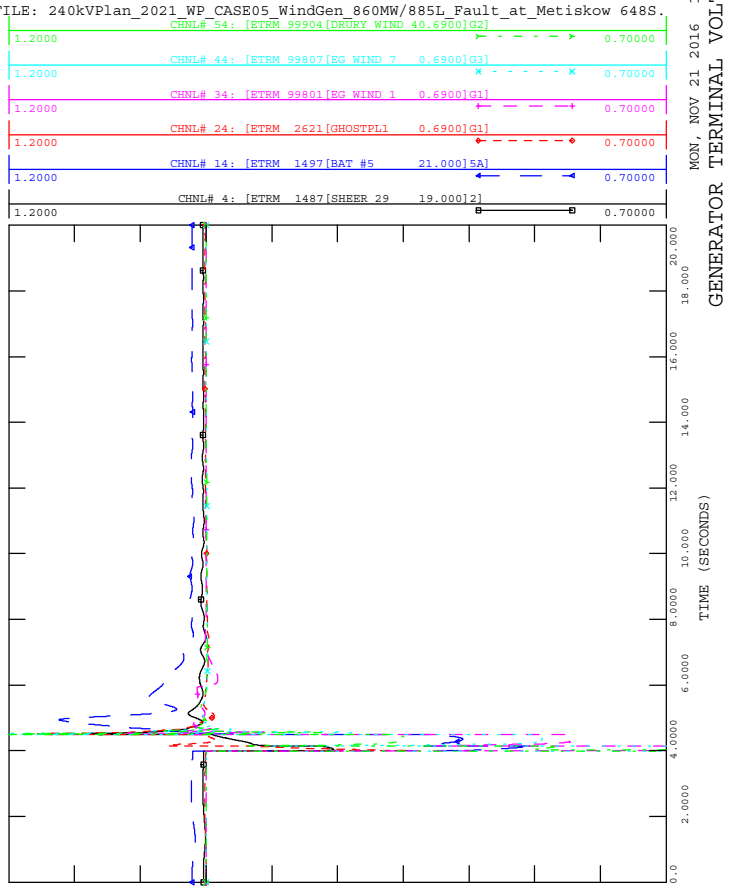
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.



GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

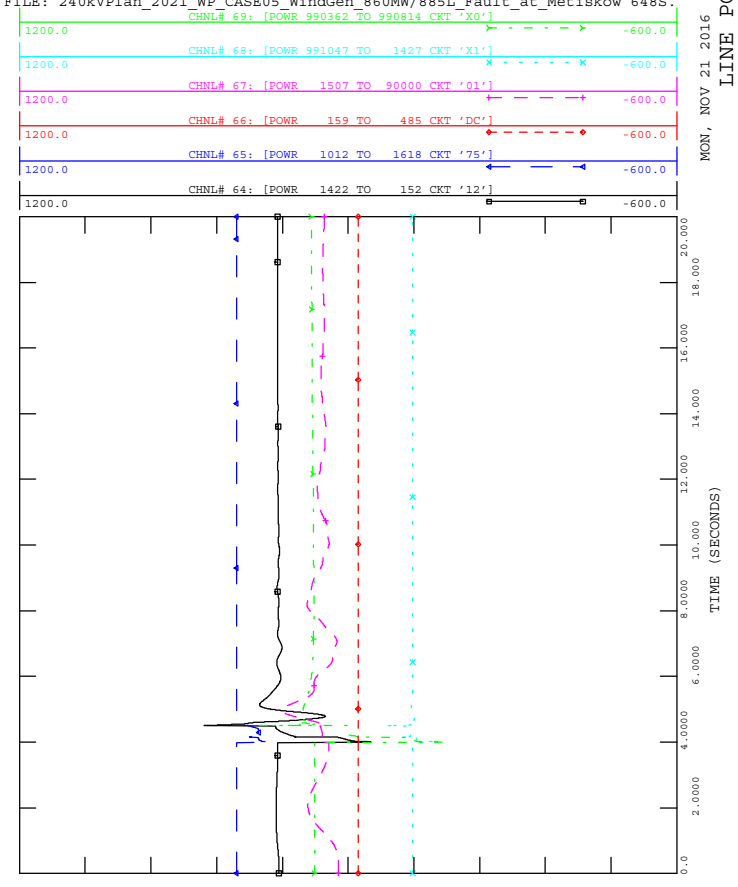
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

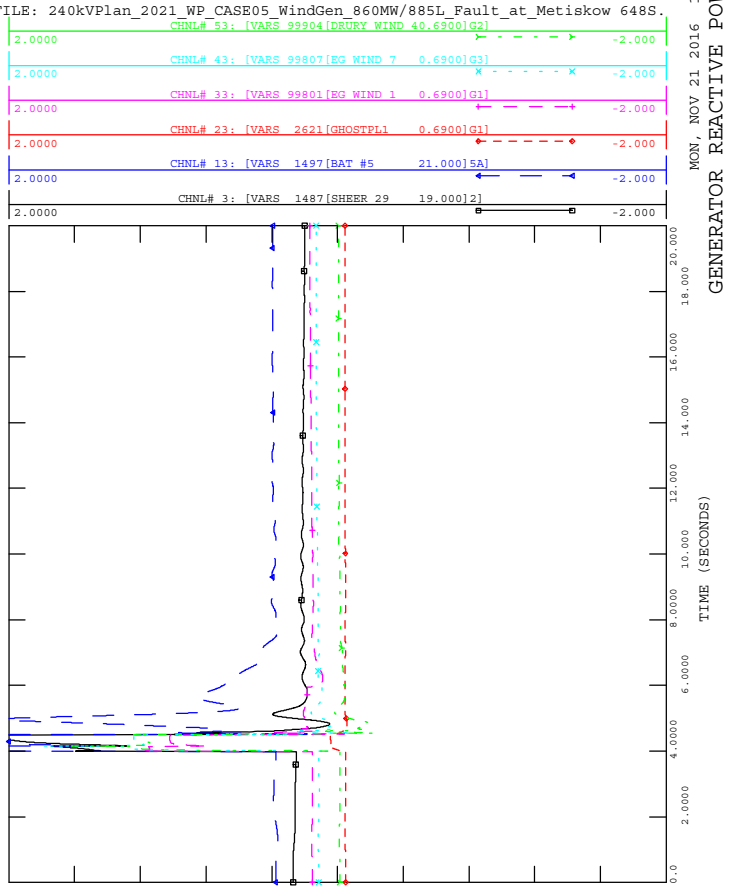
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.



LINE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.



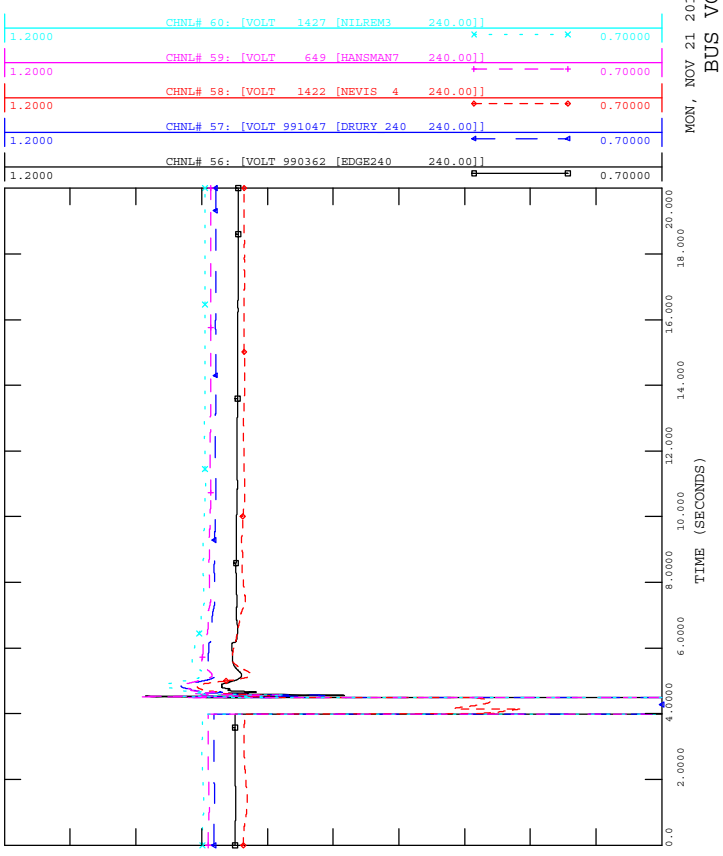
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:40

BUS VOLTAGE

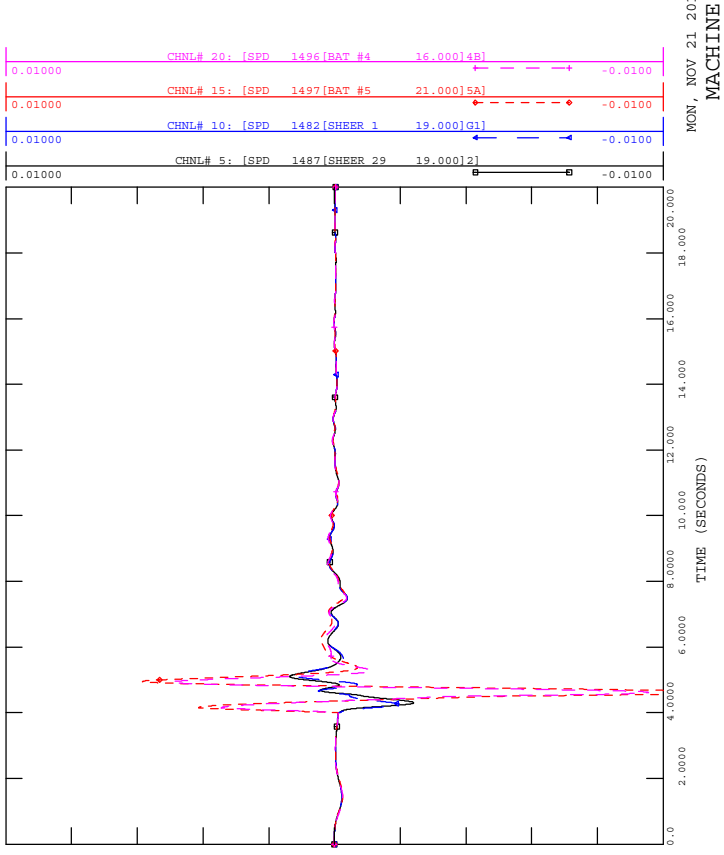


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:40

MACHINE SPEED

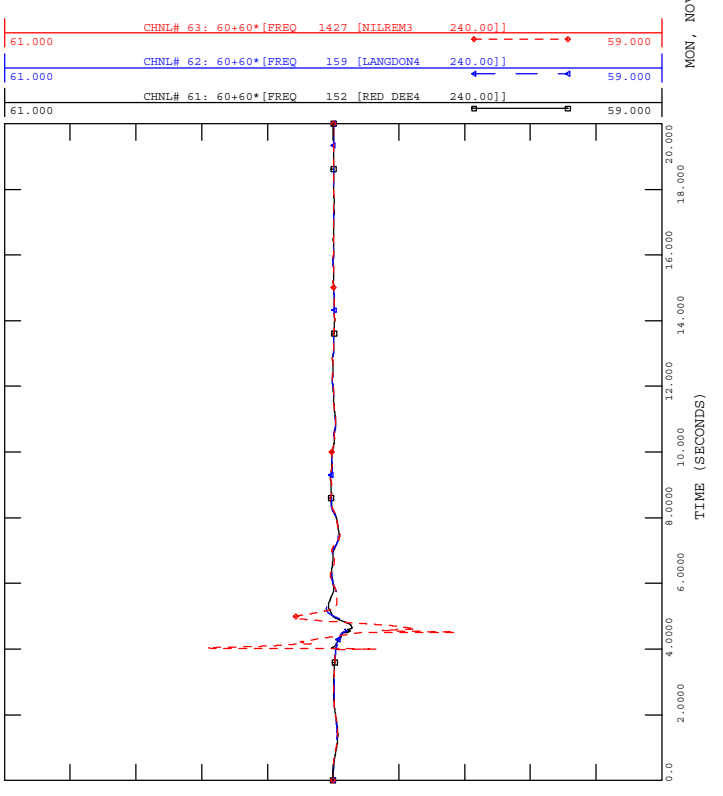


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:40

FREQUENCY

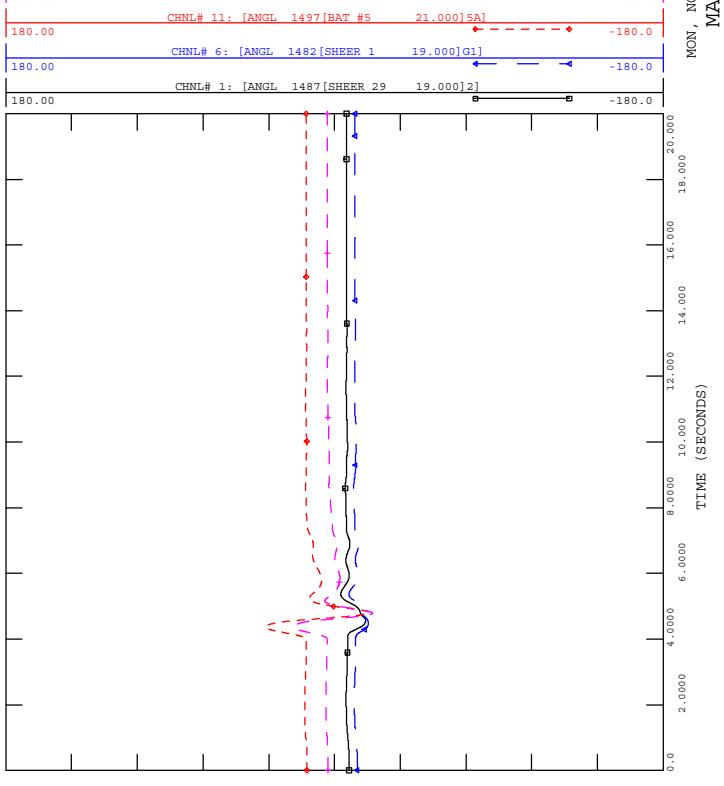


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman Lake 6

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman Lake 6

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman Lake 6

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

MON, NOV 21 2016 13:40

LINE POWER

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -885L_FAULT_AT_HANSMAN_LAKE 650S

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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

MON, NOV 21 2016 13:40

GENERATOR REACTIVE POWER

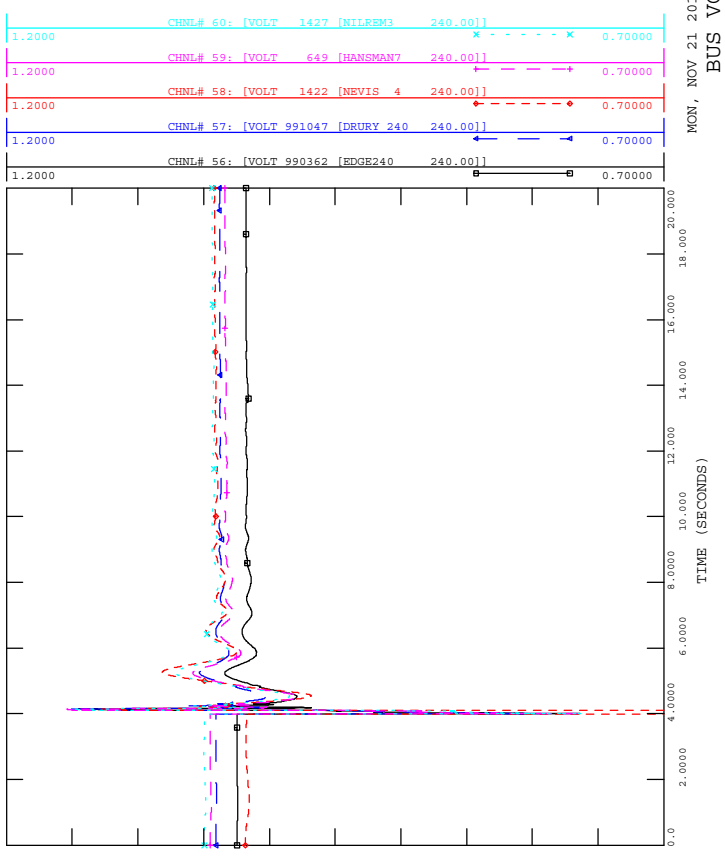
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:40

BUS VOLTAGE

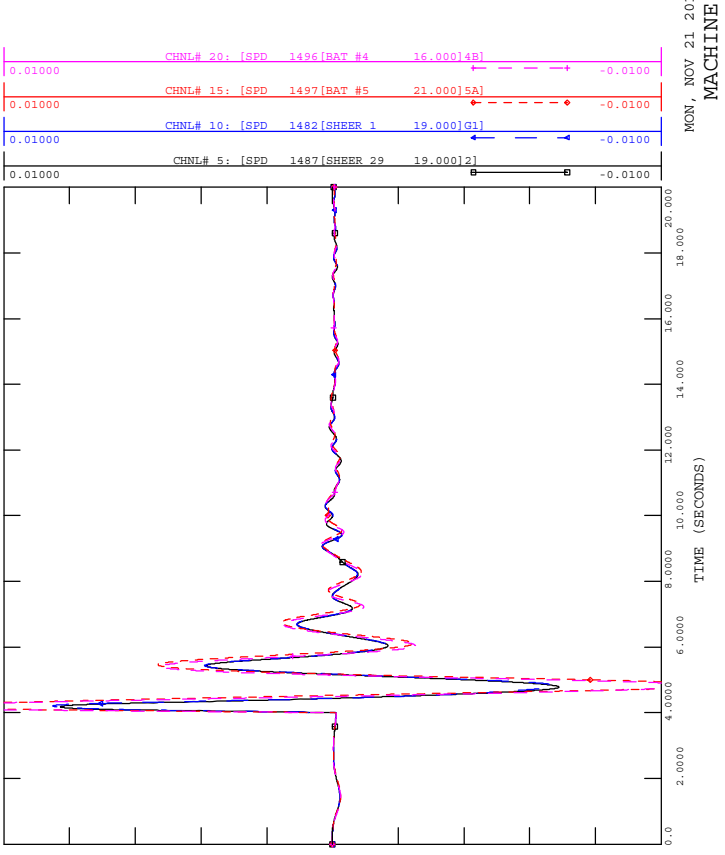


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:40

MACHINE SPEED

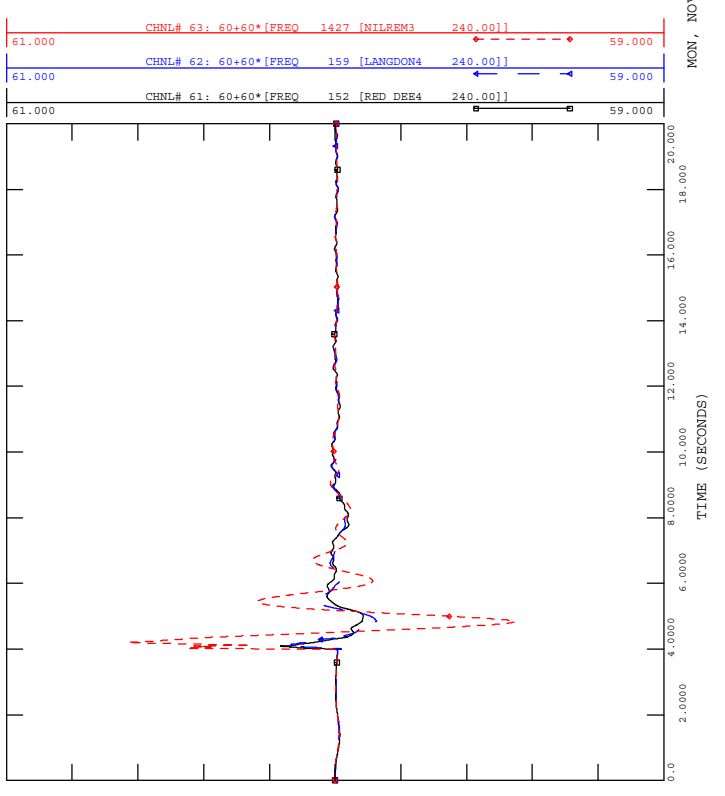


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:40

FREQUENCY

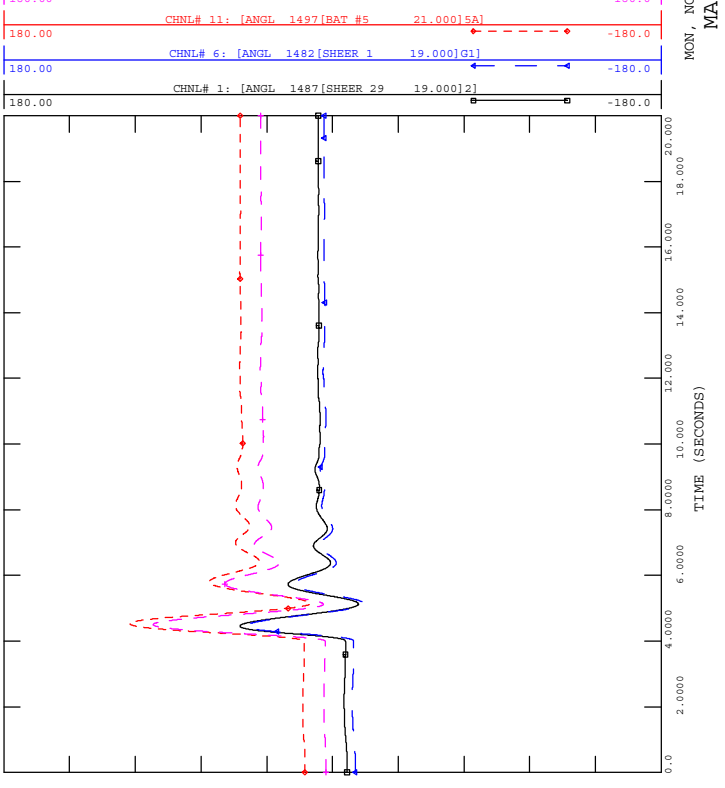


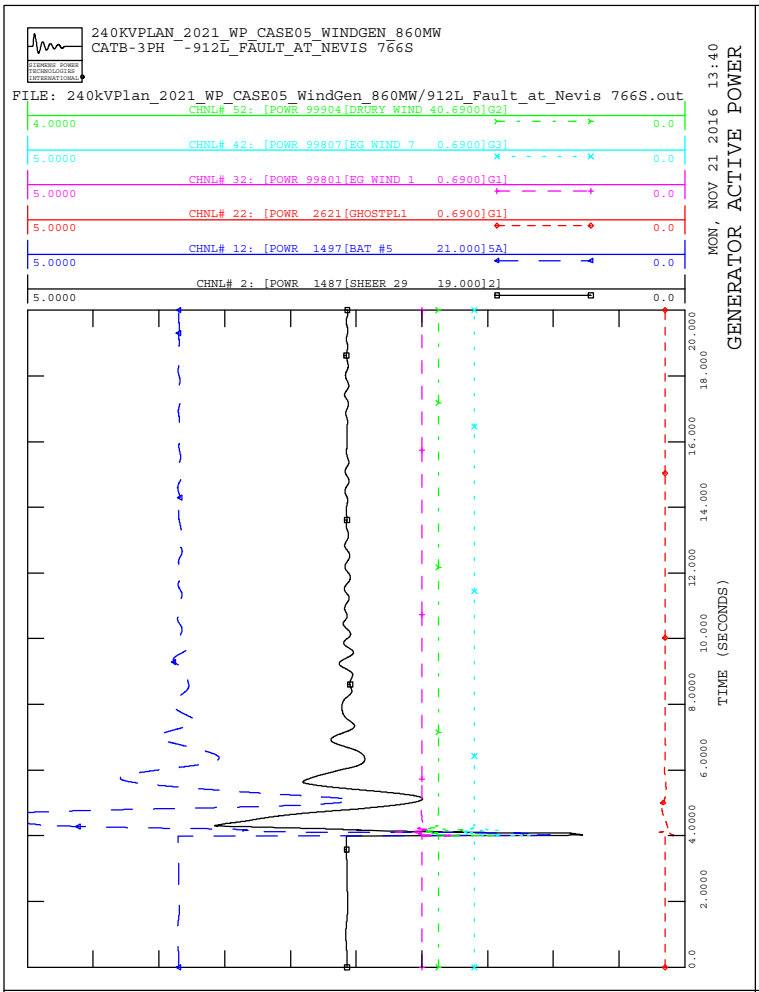
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S

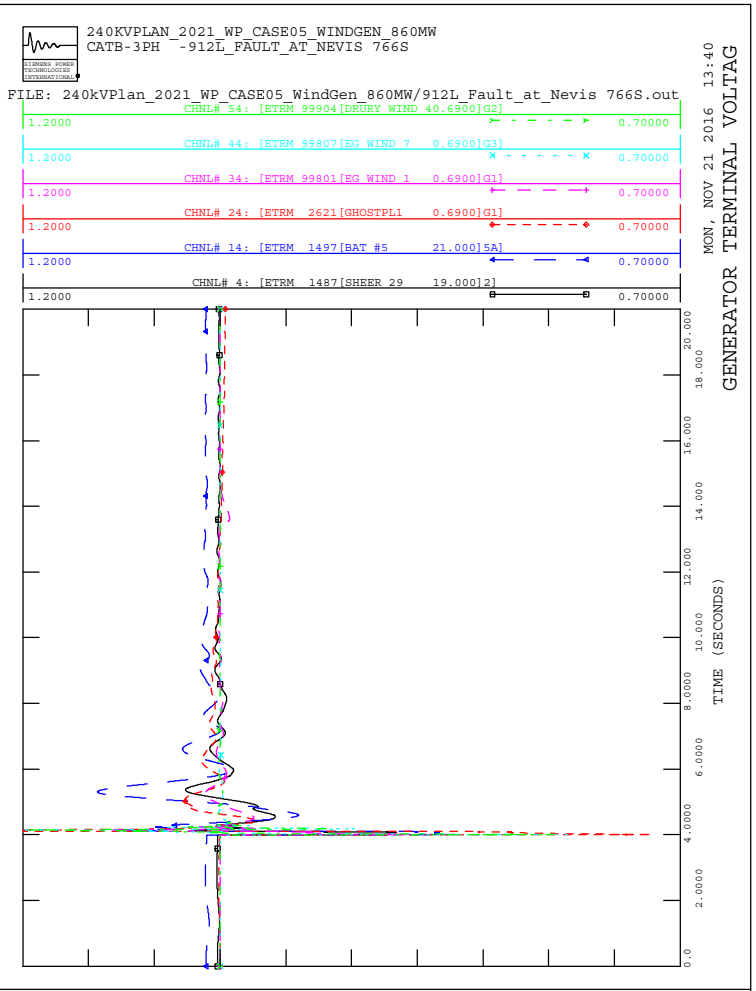
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out

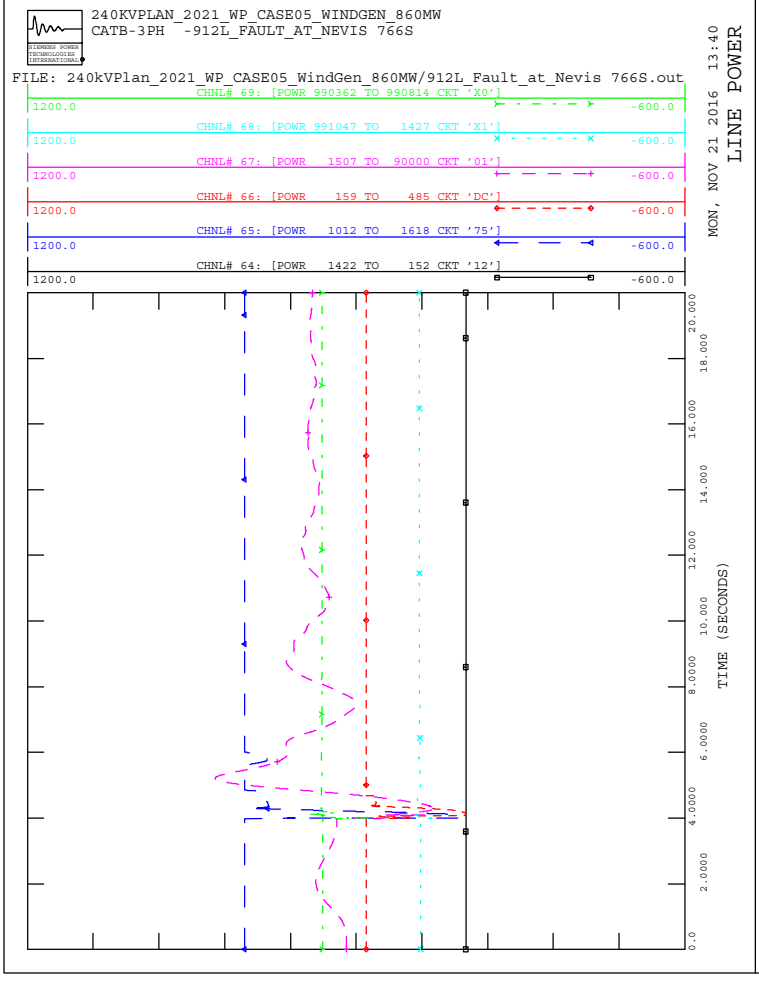
MON, NOV 21 2016 13:40

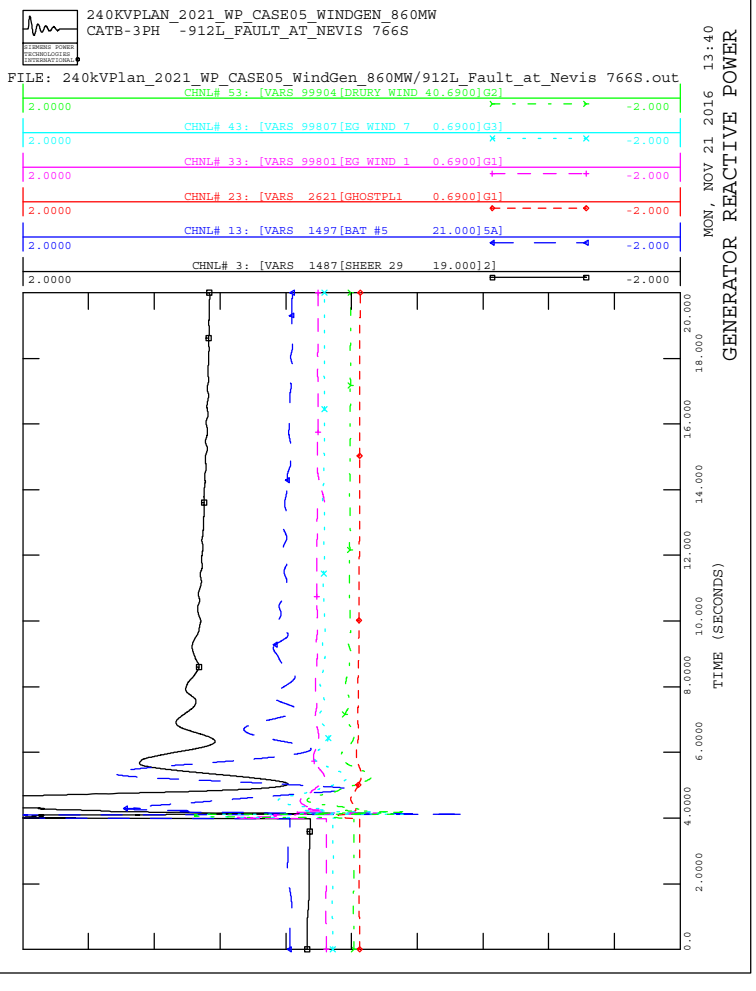
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

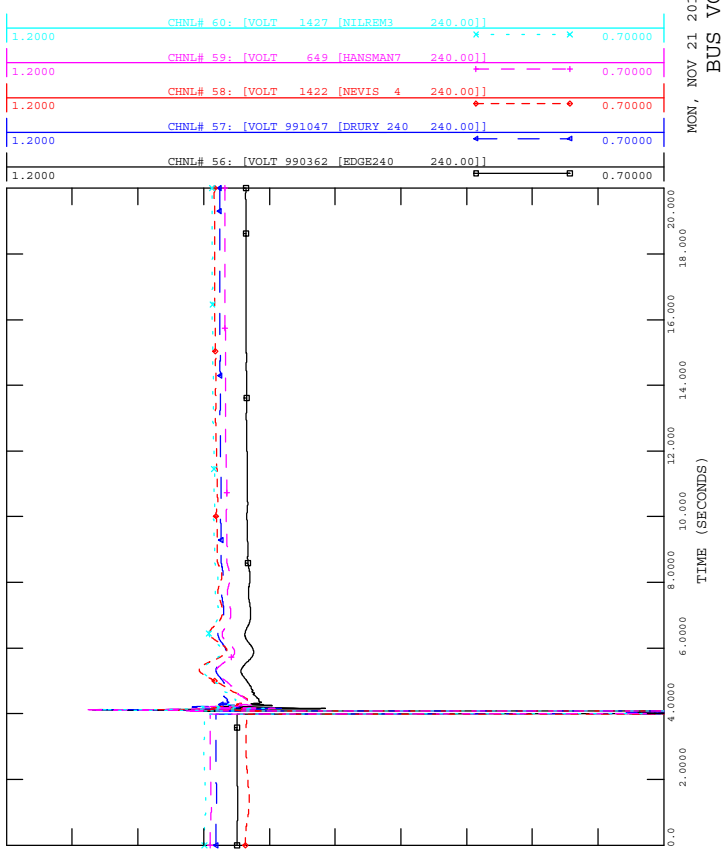

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

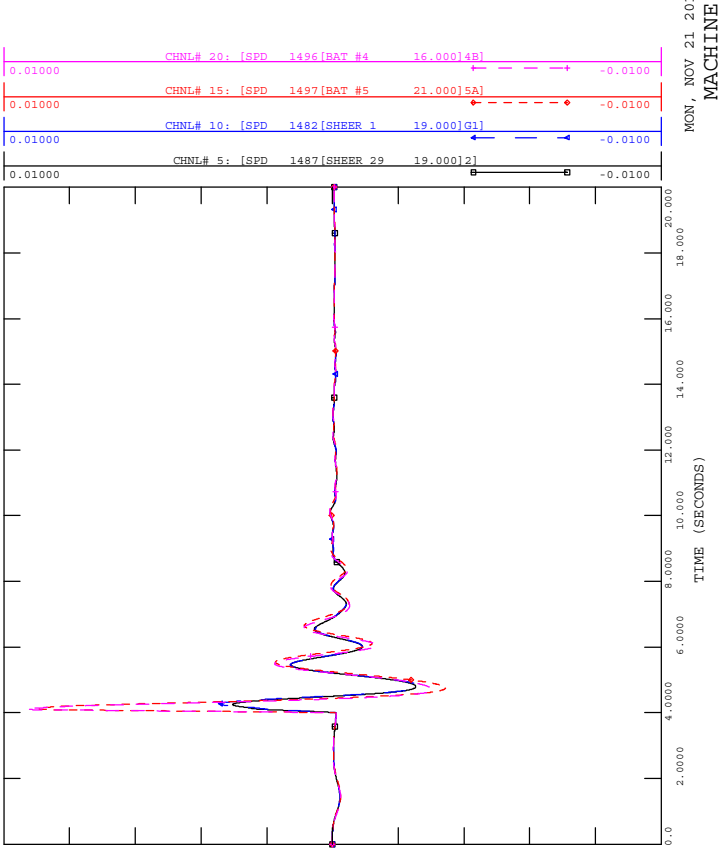


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 13:40

MACHINE SPEED

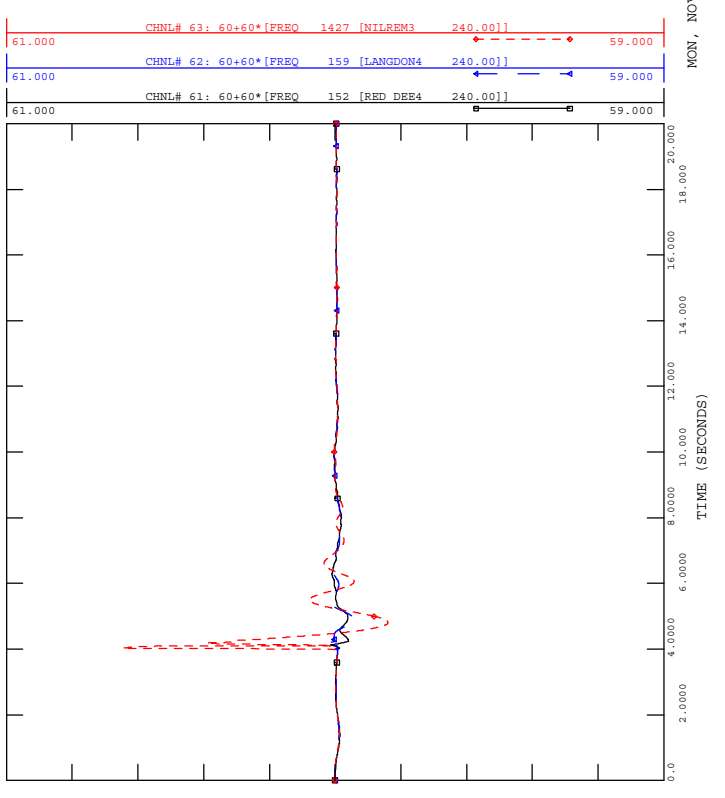


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 13:40

FREQUENCY

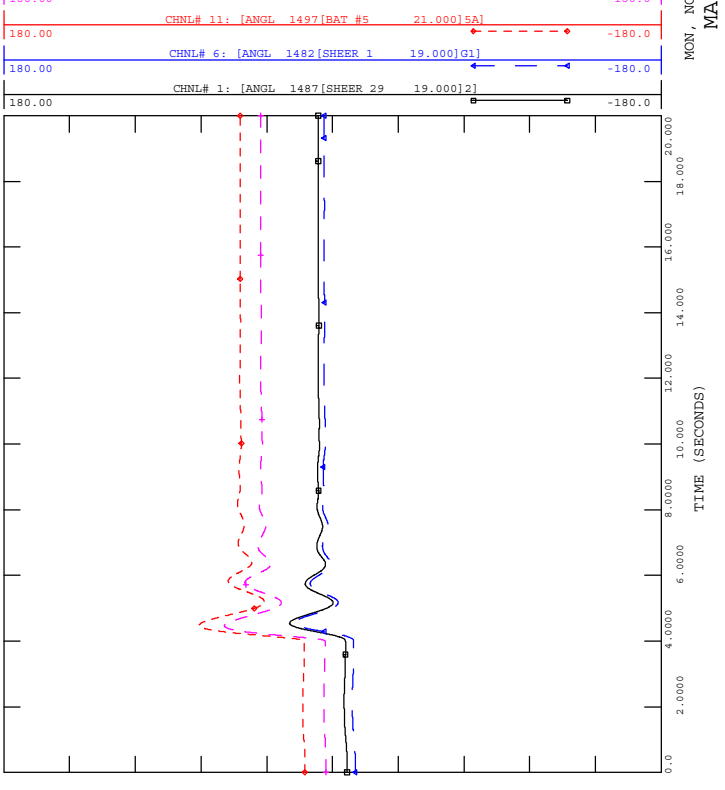


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

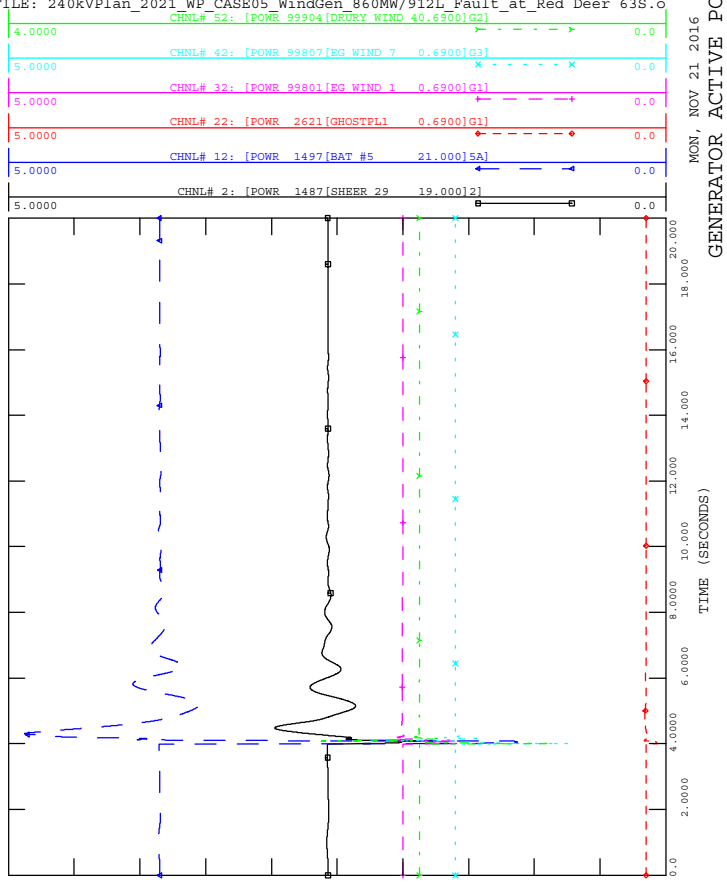
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

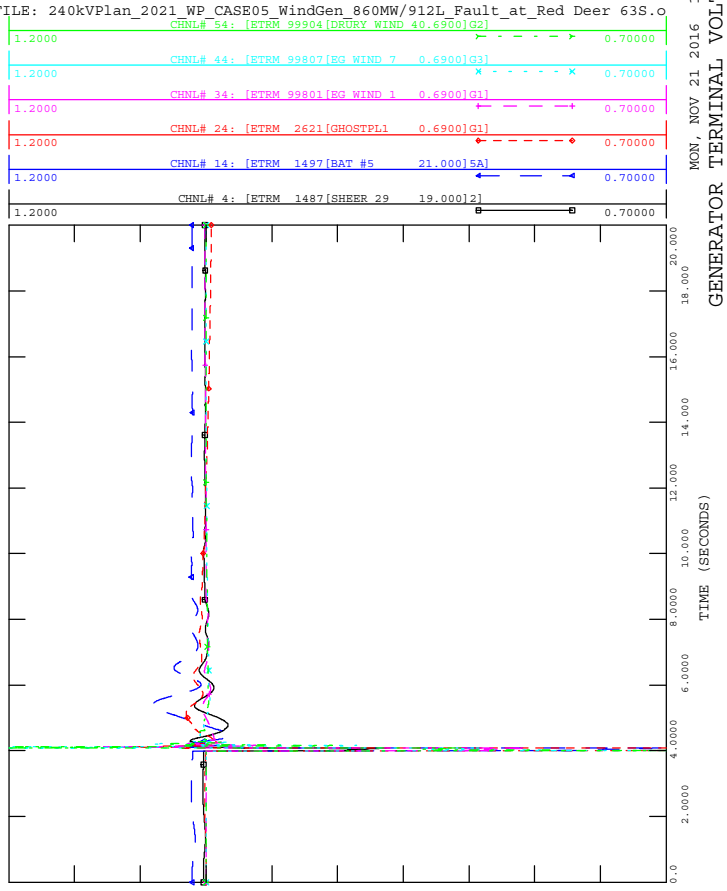


MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

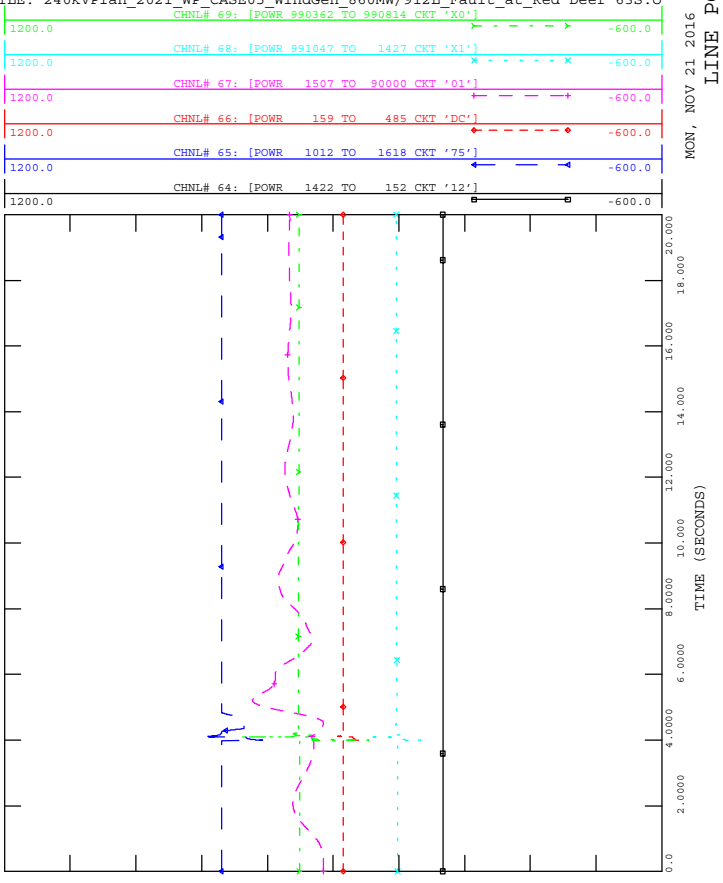


MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

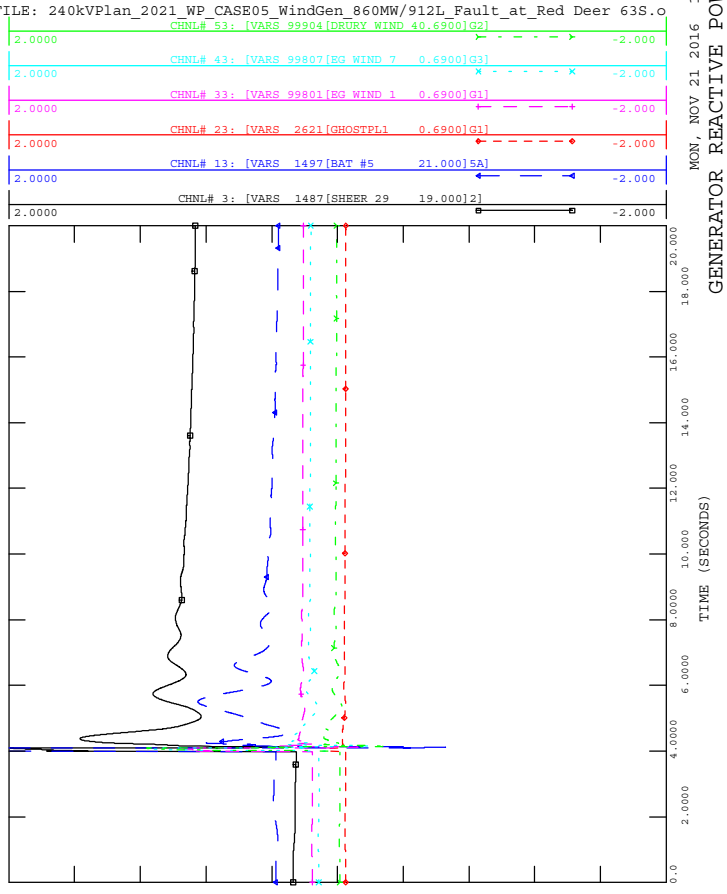


MON, NOV 21 2016 13:40

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o



MON, NOV 21 2016 13:40

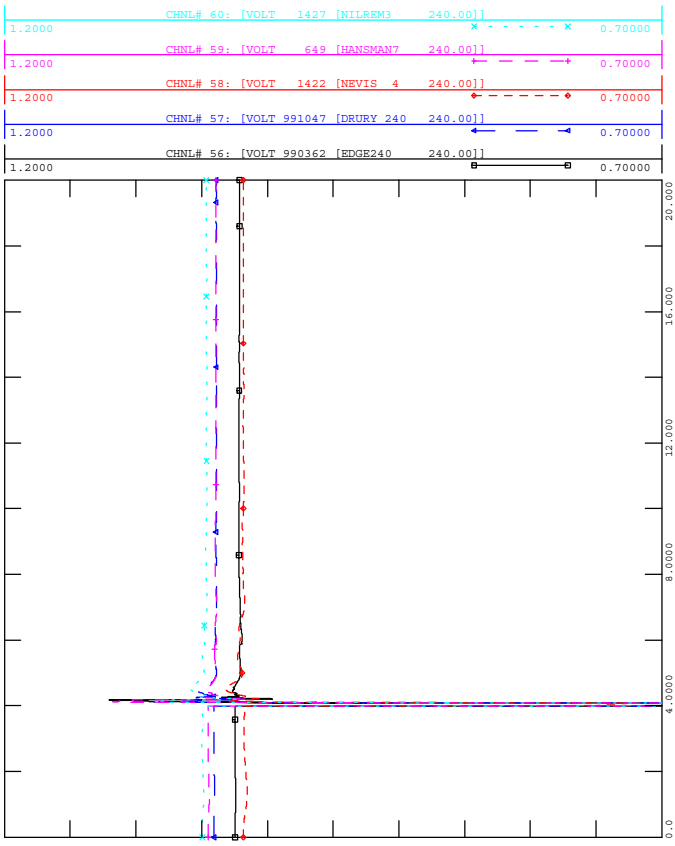
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake

MON, NOV 21 2016 13:40

BUS VOLTAGE

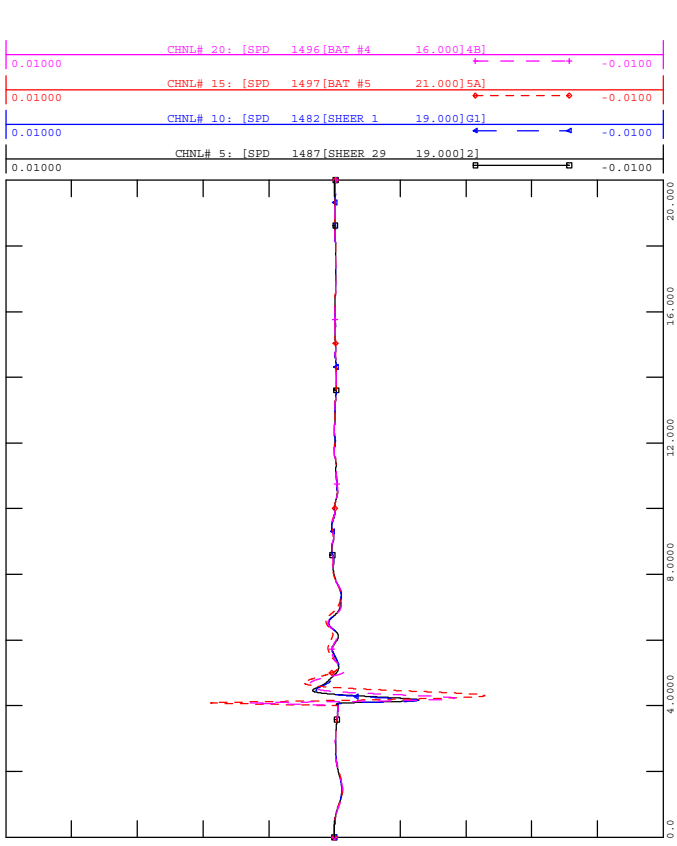


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake

MON, NOV 21 2016 13:40

MACHINE SPEED

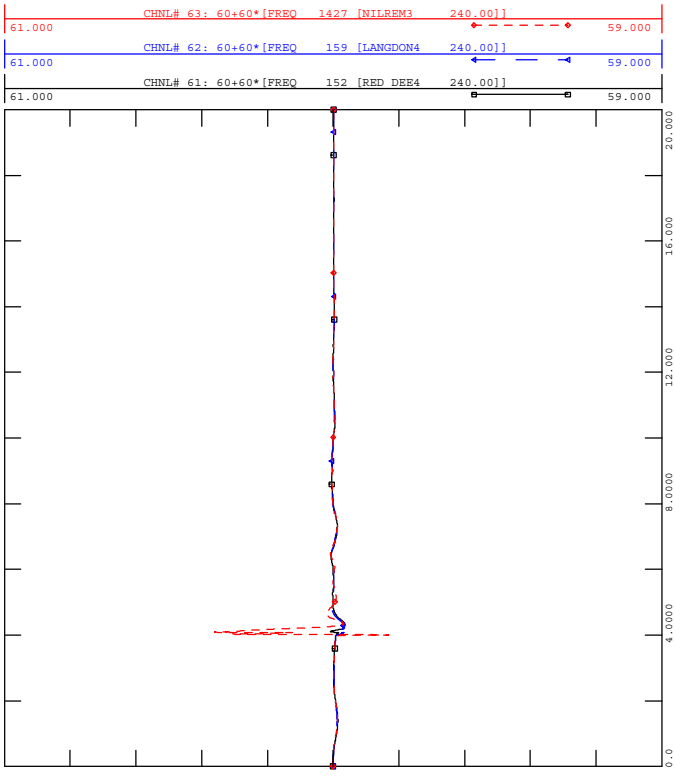


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake

MON, NOV 21 2016 13:40

FREQUENCY

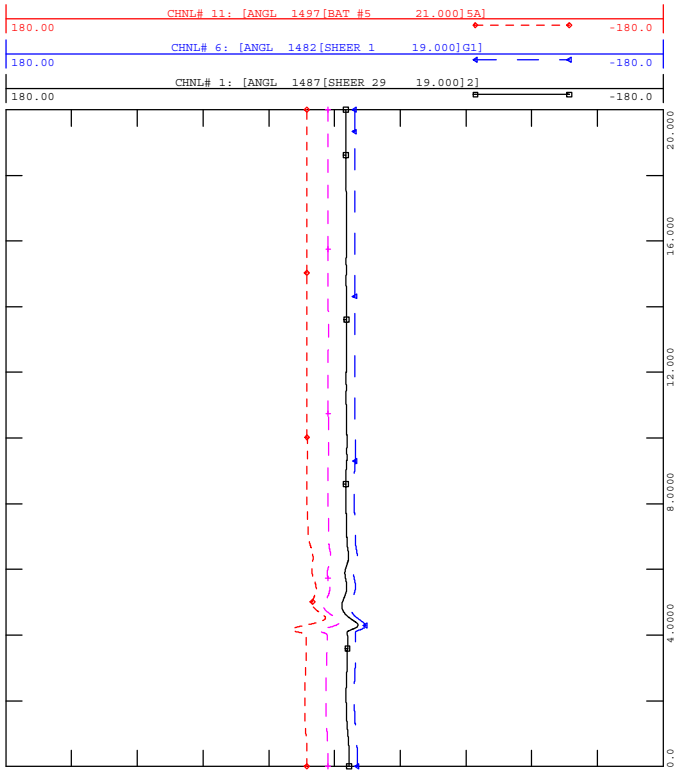


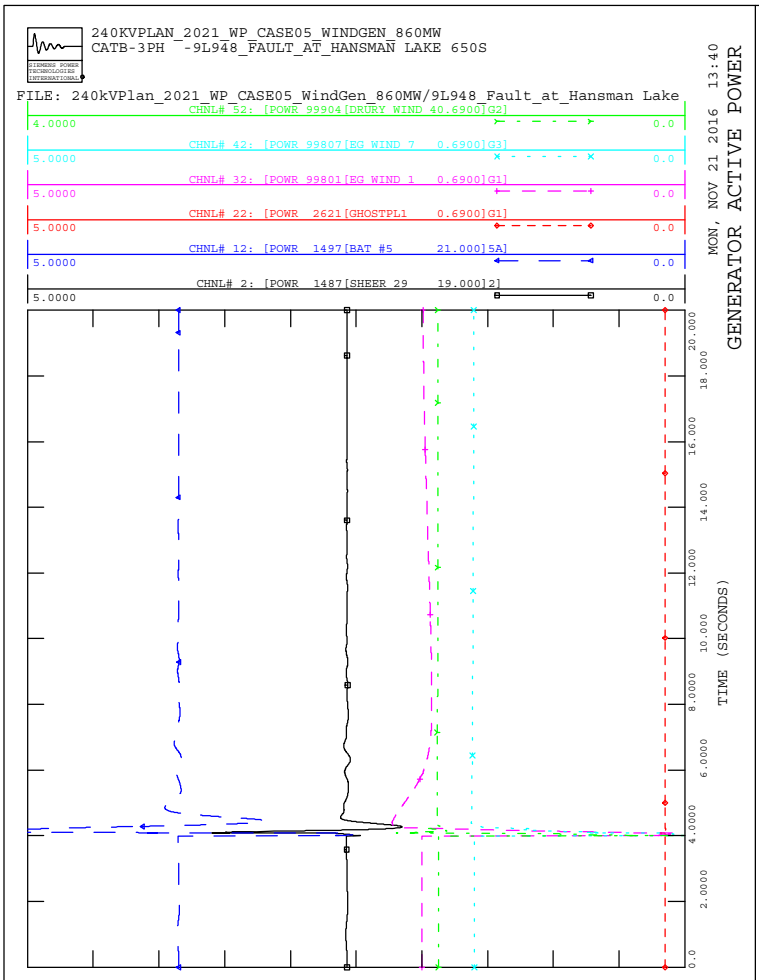
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S

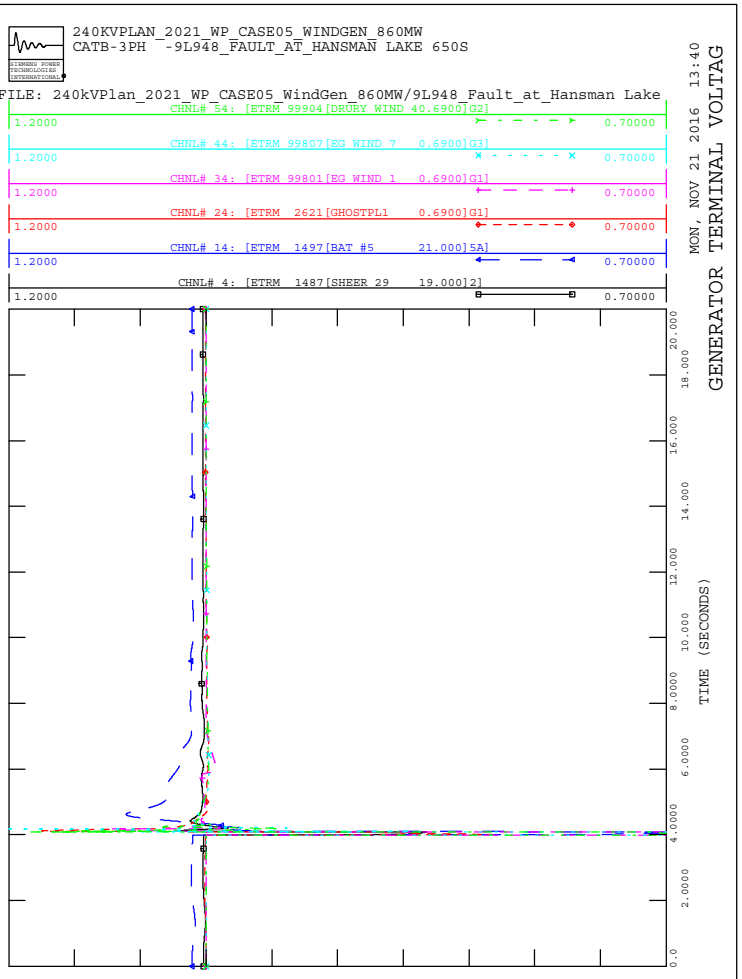
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake

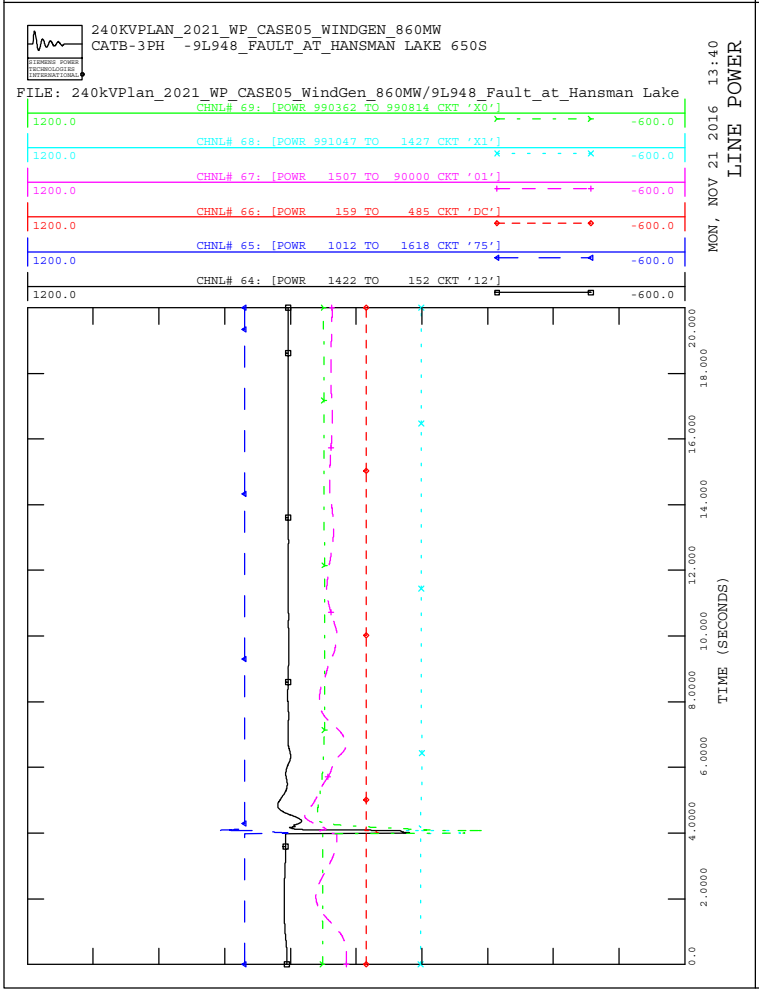
MON, NOV 21 2016 13:40

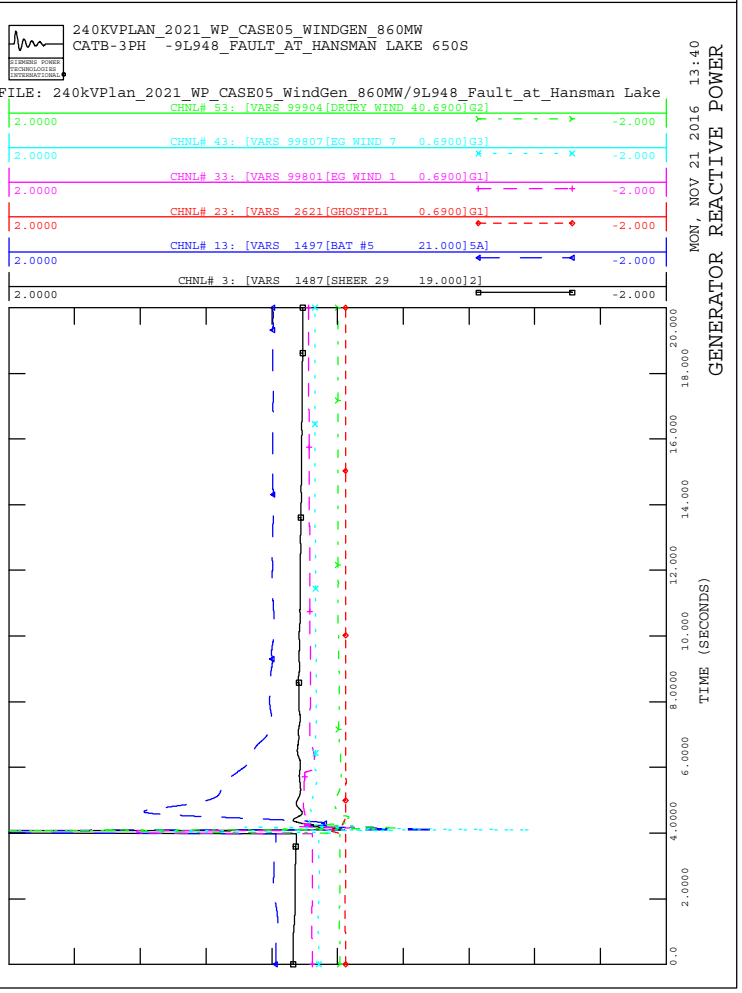
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0
TIME (SECONDS)
MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
0.0
TIME (SECONDS)
MON, NOV 21 2016 13:40
LINE POWER

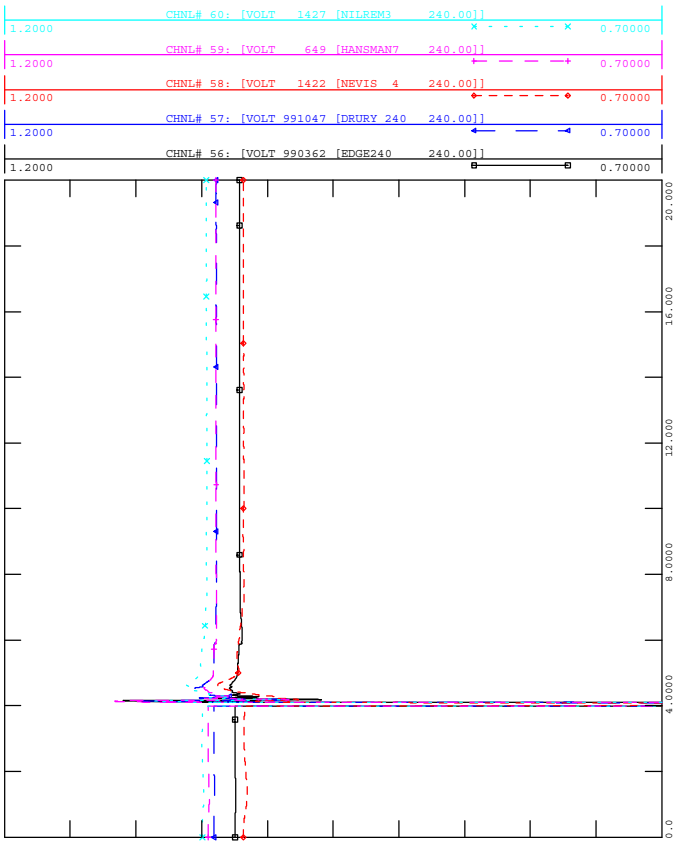

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
0.0
TIME (SECONDS)
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 13:40

BUS VOLTAGE

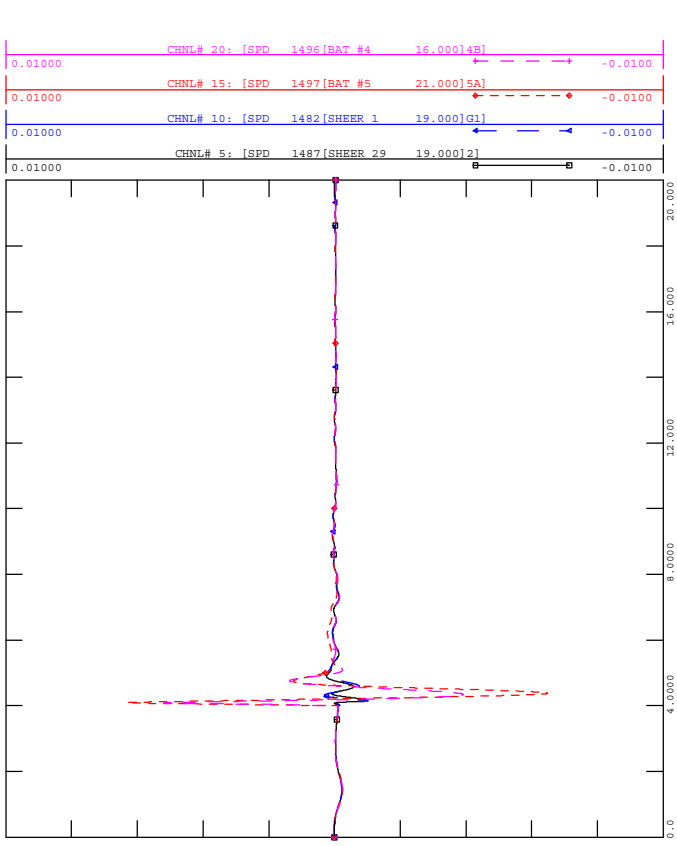


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 13:40

MACHINE SPEED

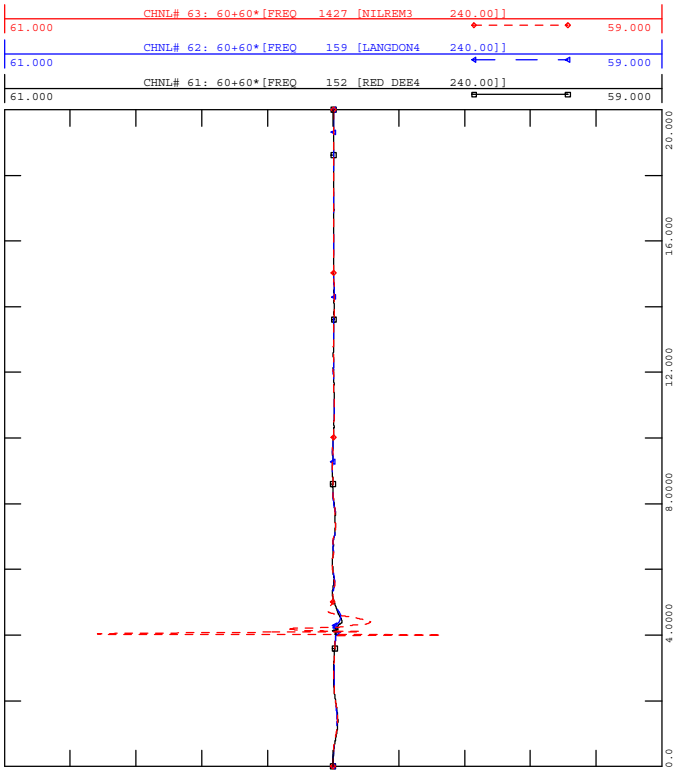


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 13:40

FREQUENCY

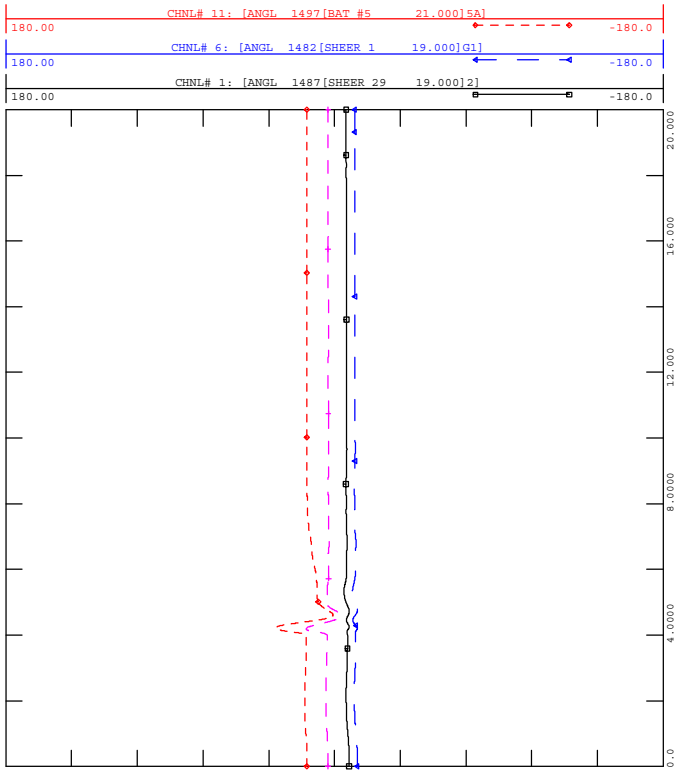


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86

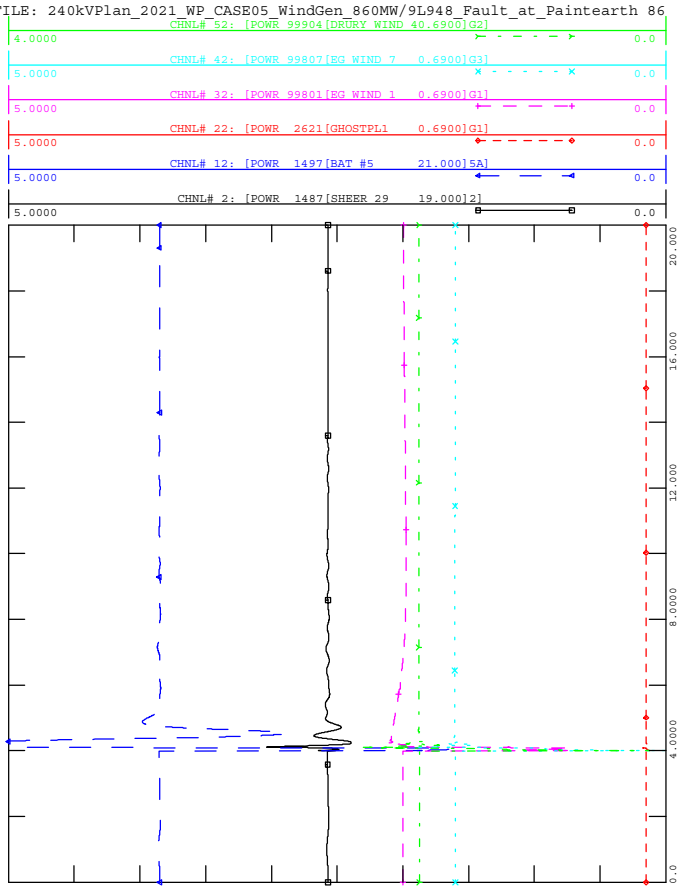
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

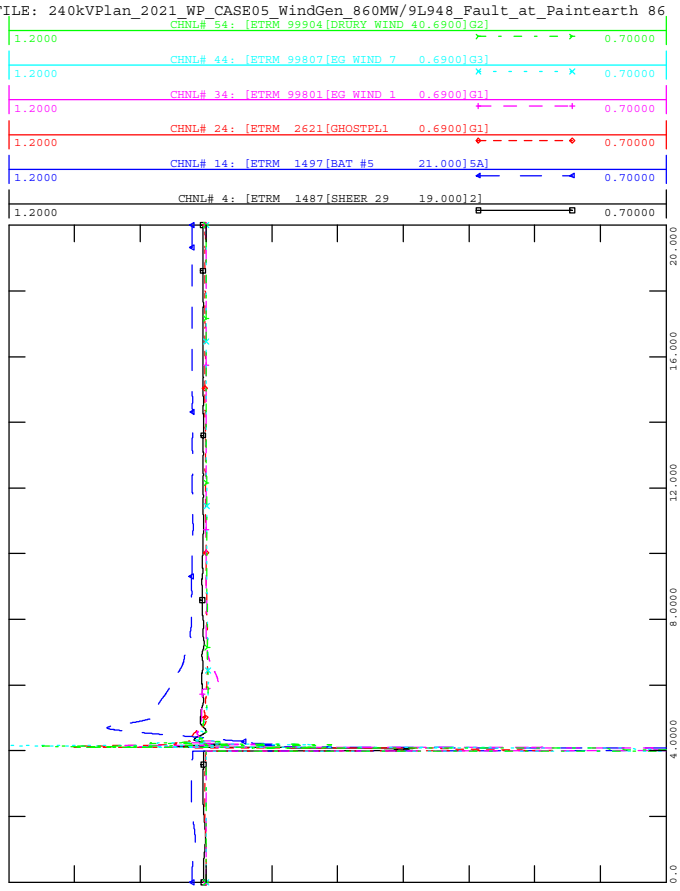
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86



GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

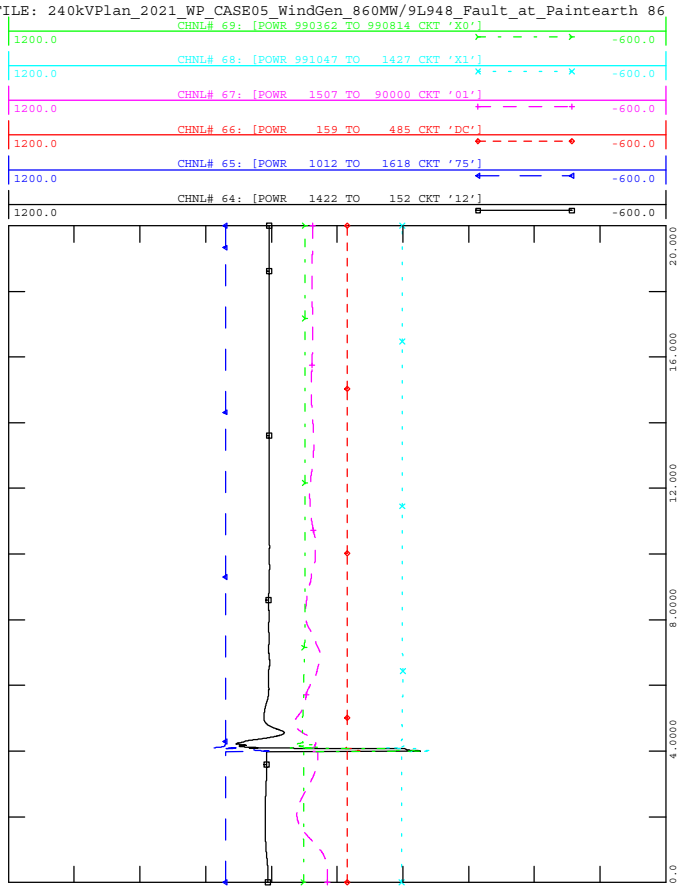
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

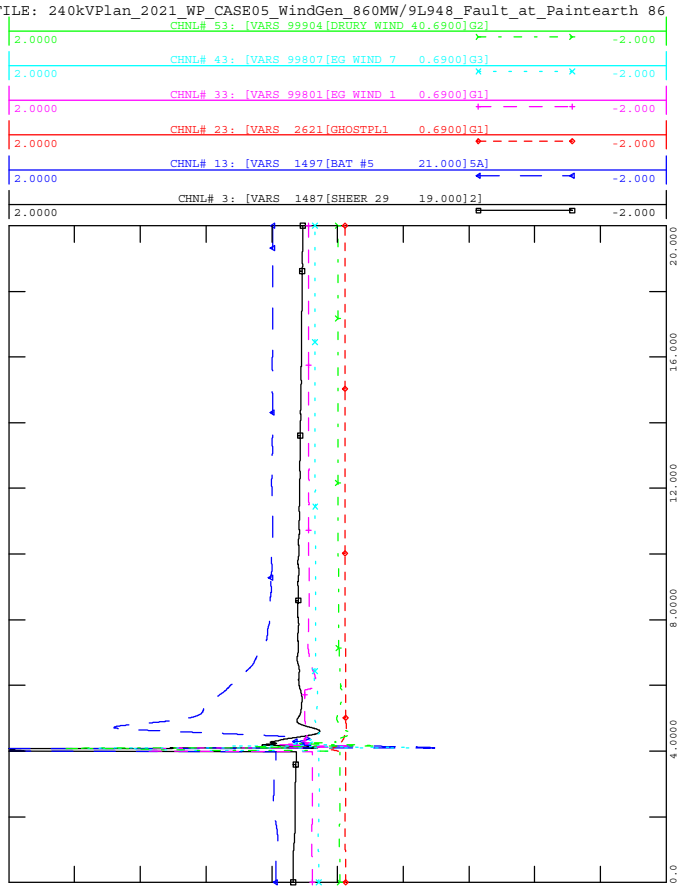
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86



LINE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86



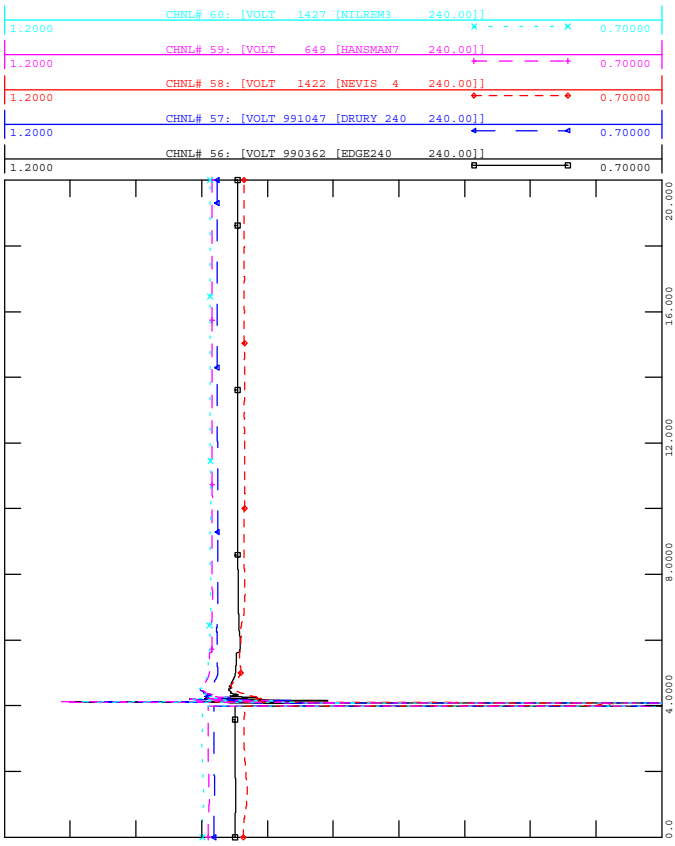
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

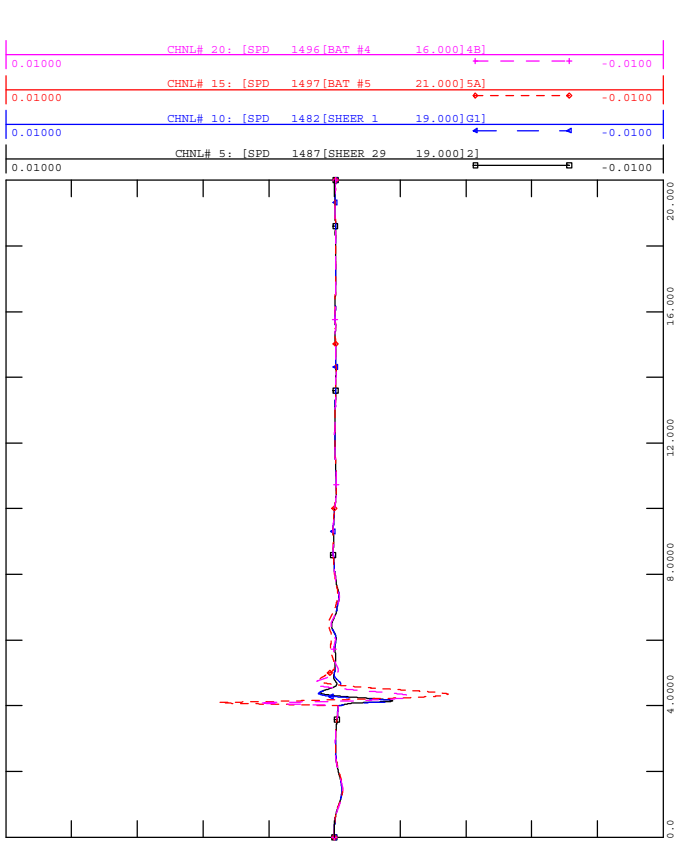


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:40

MACHINE SPEED

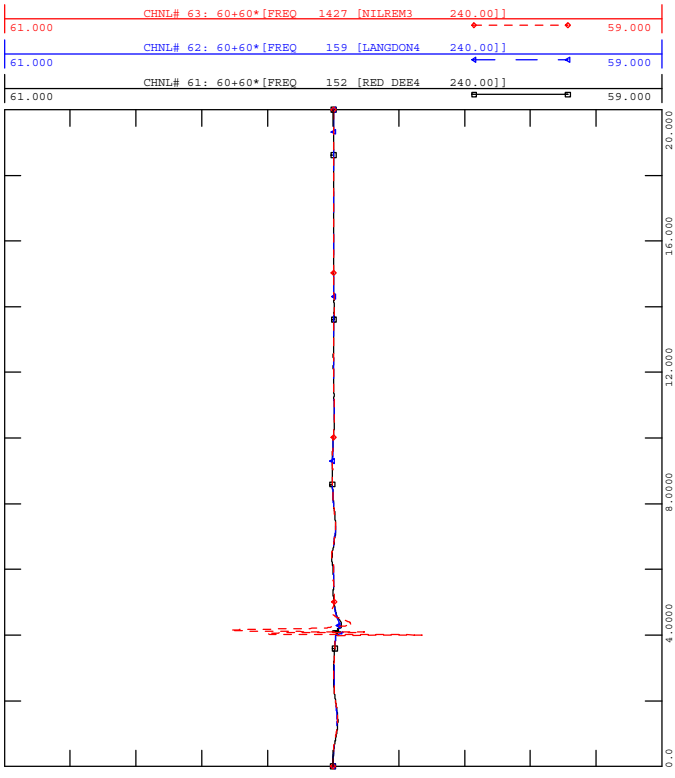


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:40

FREQUENCY

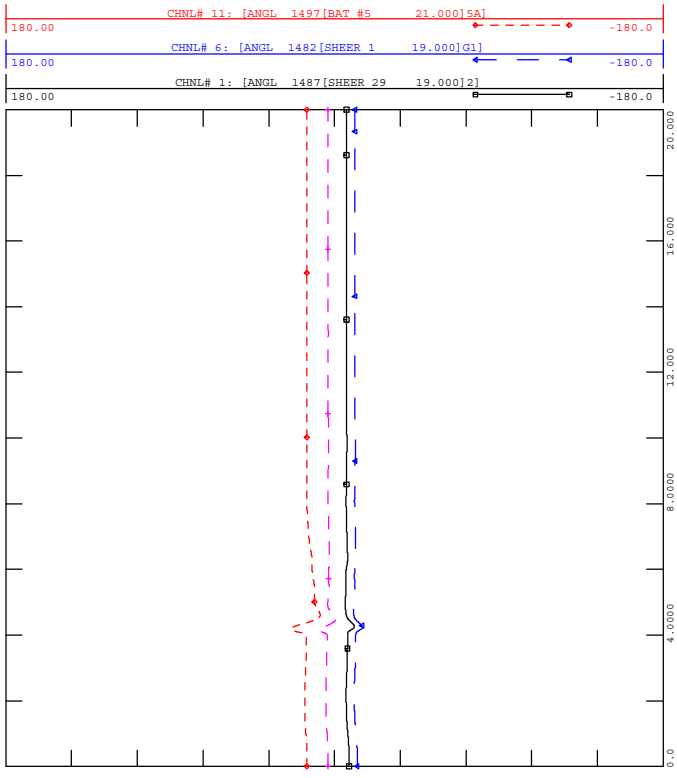


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

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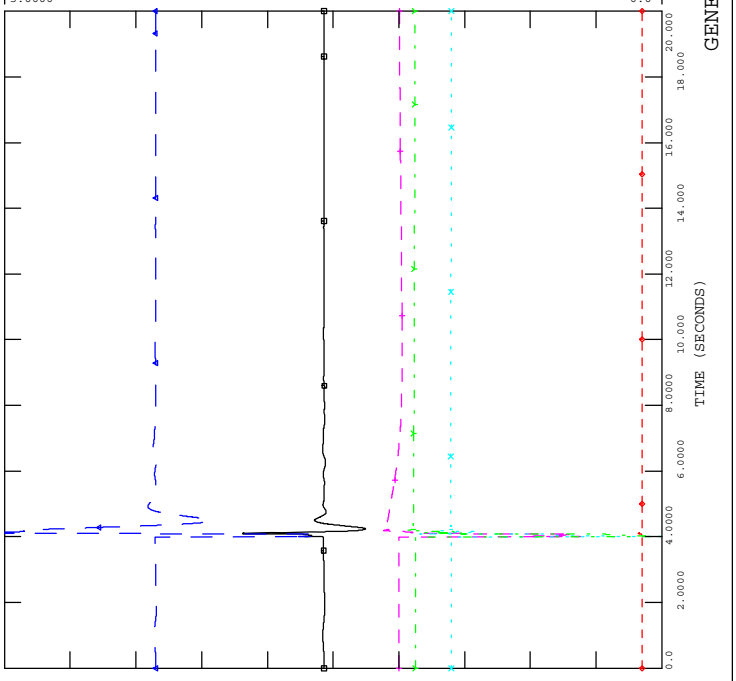
GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

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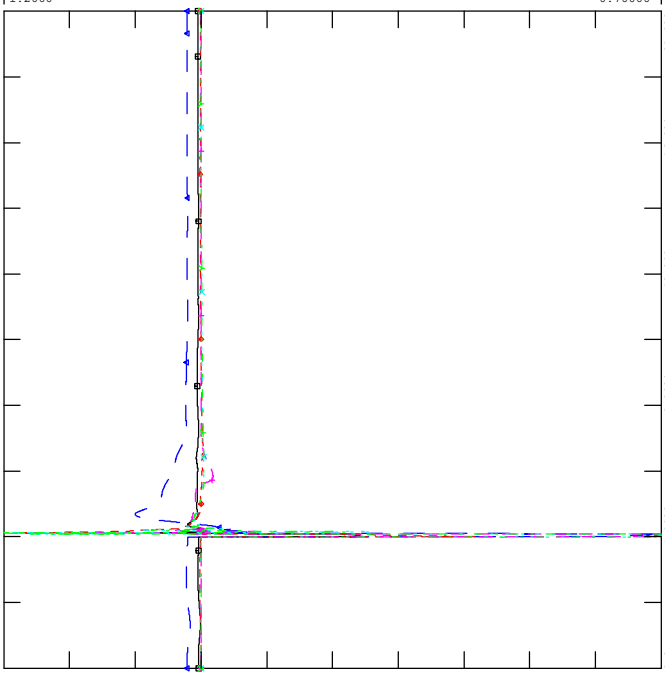
GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

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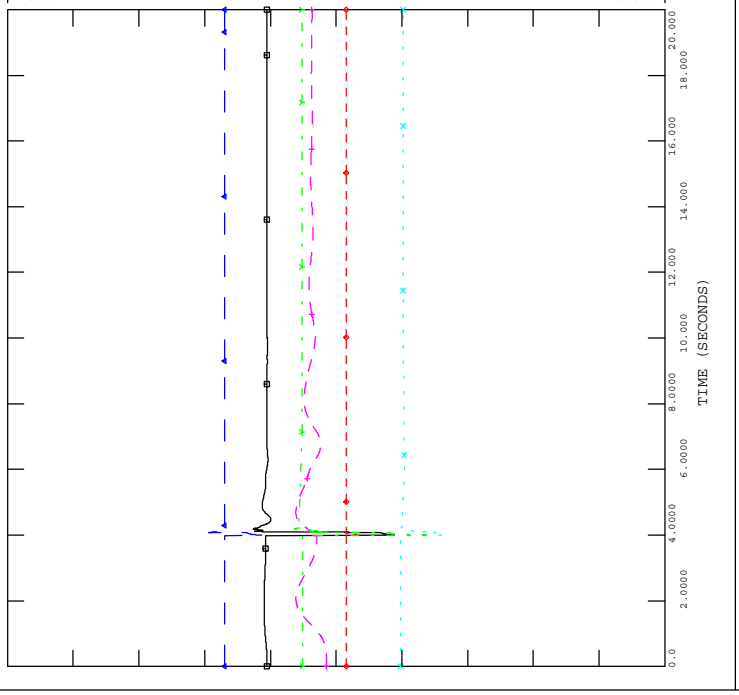
LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

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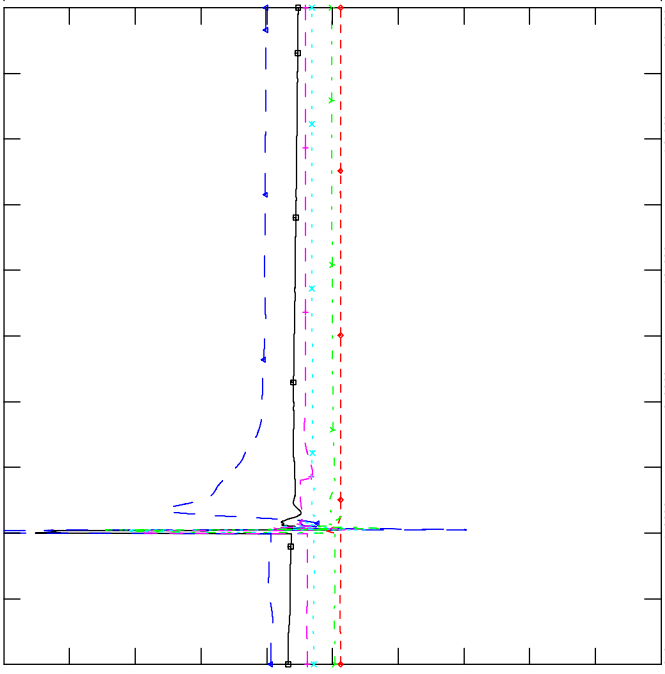
GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

TIME (SECONDS)

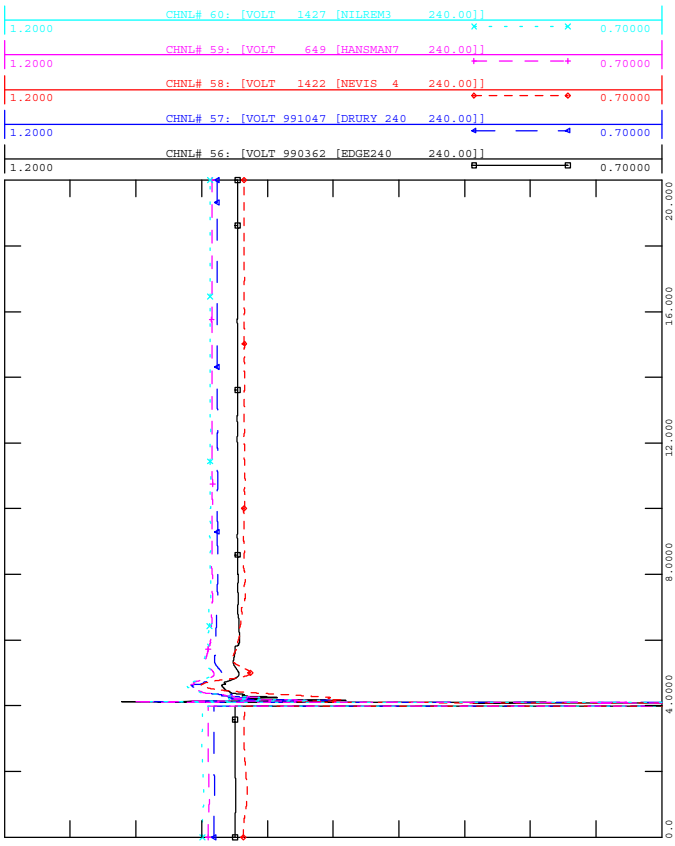


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

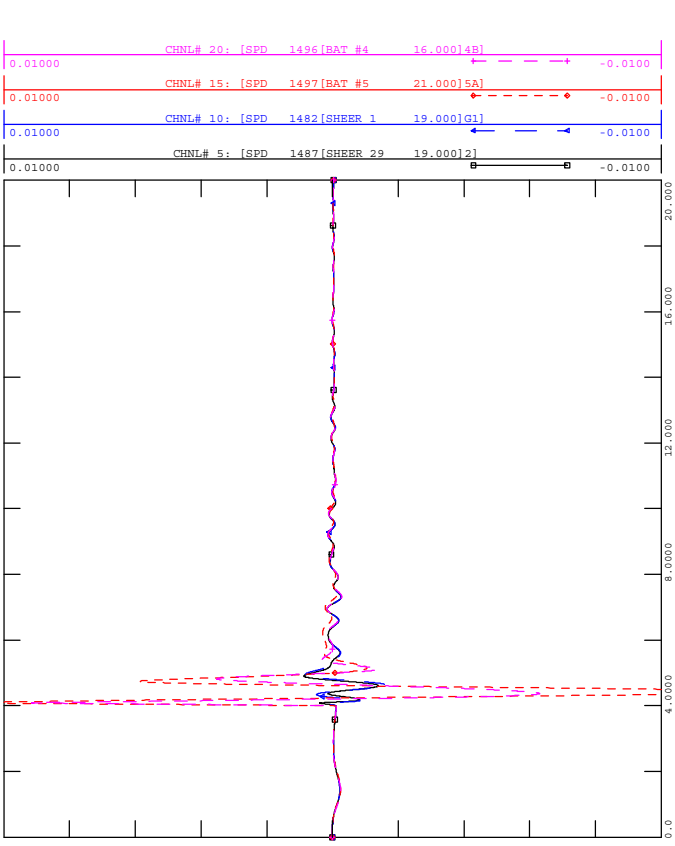


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 13:40

MACHINE SPEED

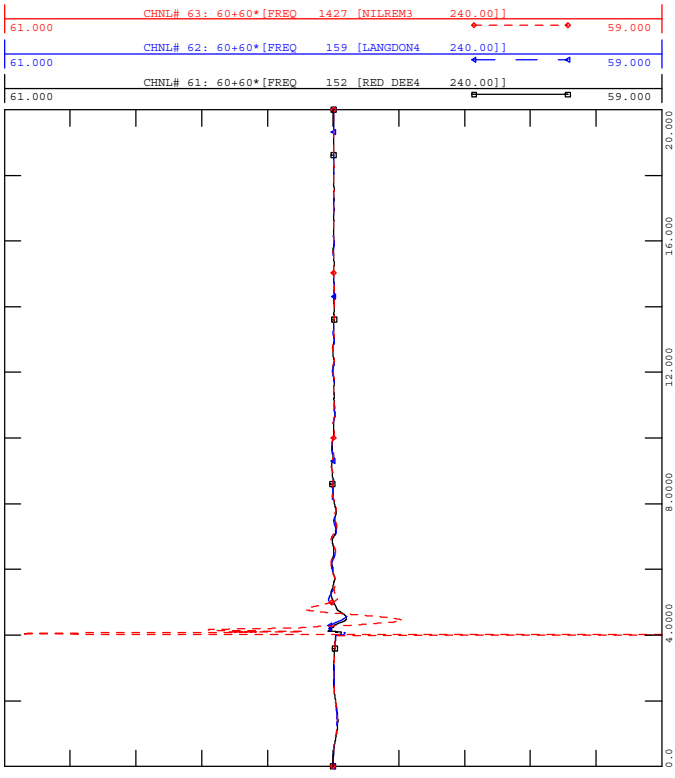


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 13:40

FREQUENCY

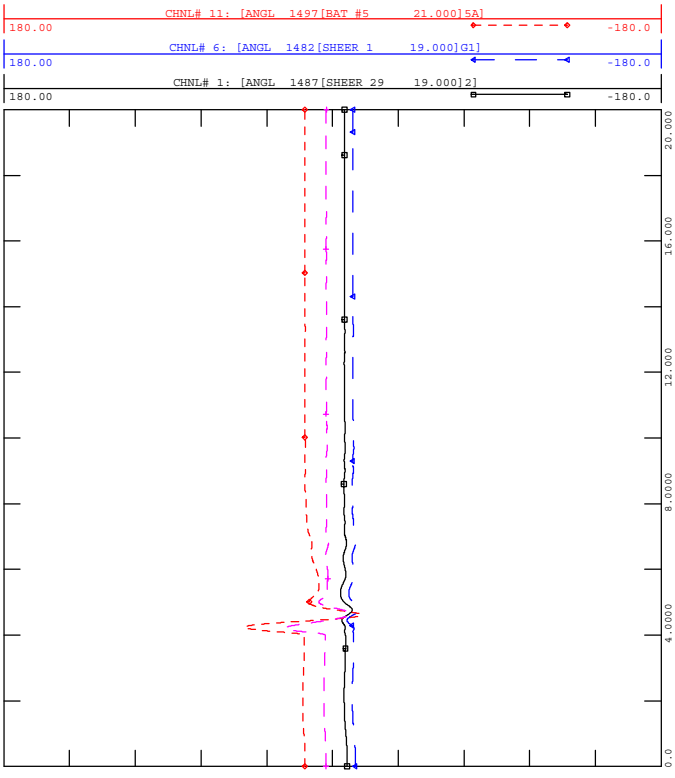


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

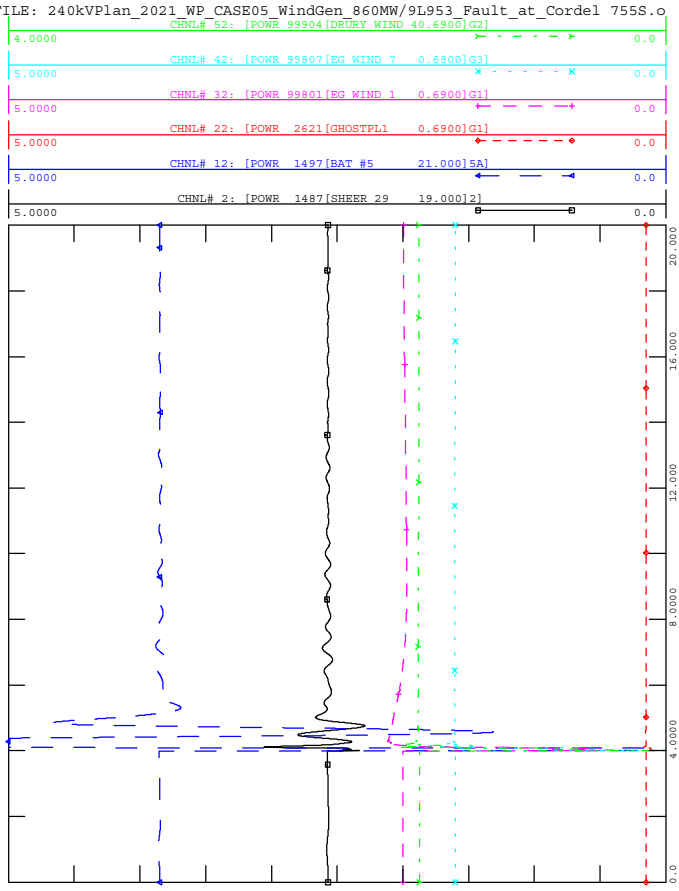
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

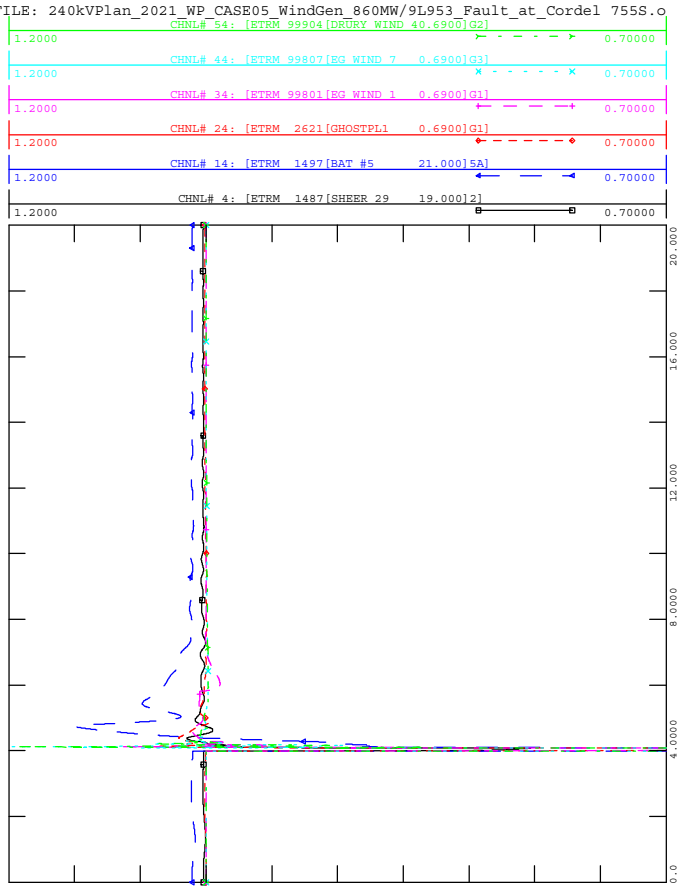
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

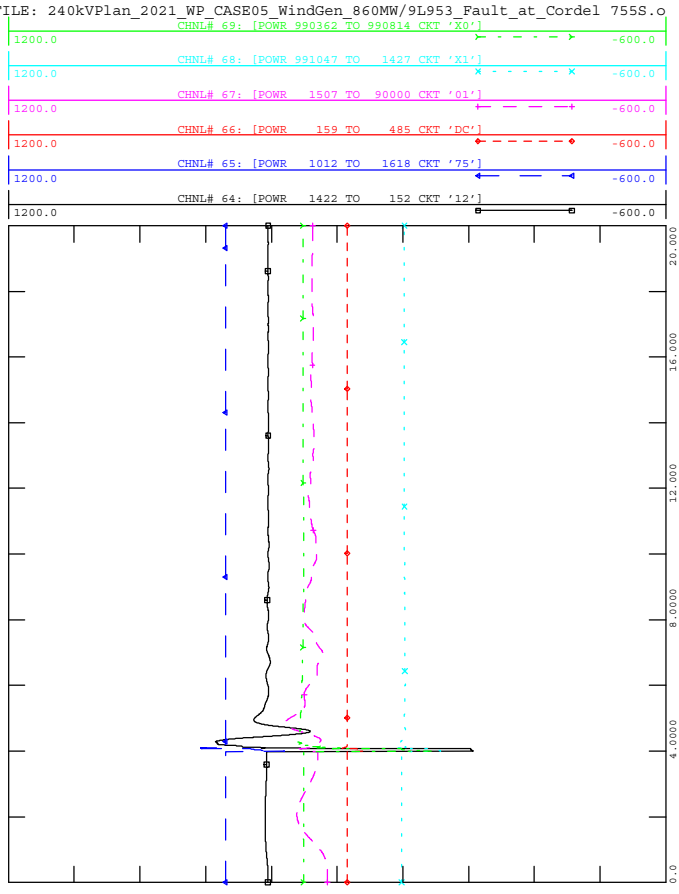
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

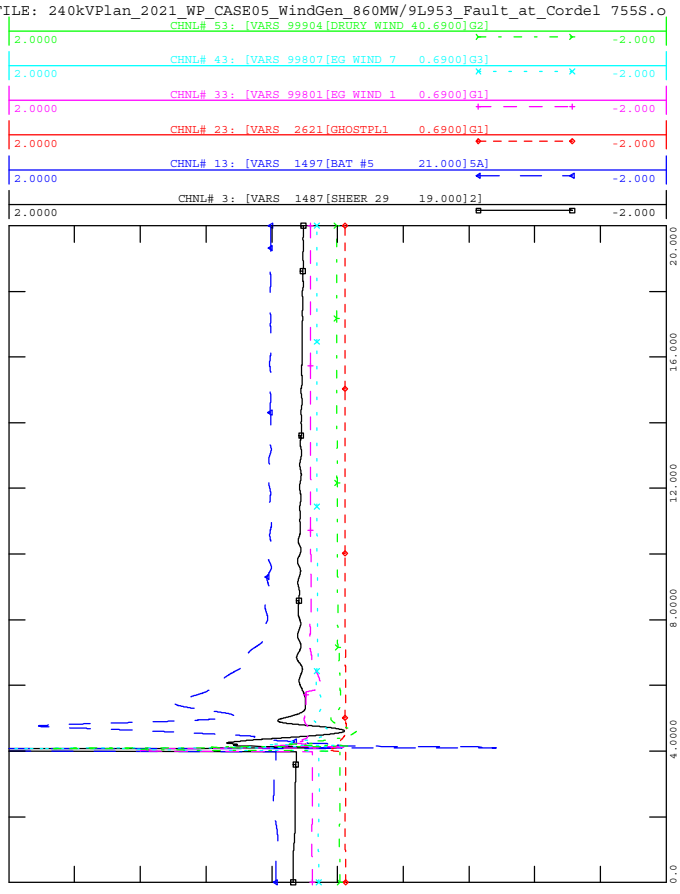
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o



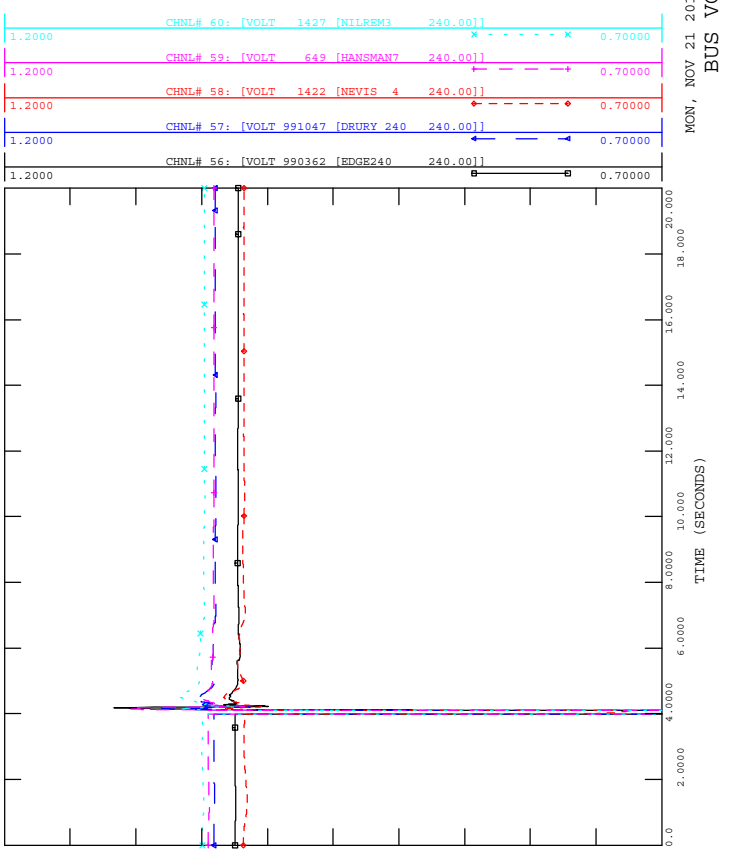
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

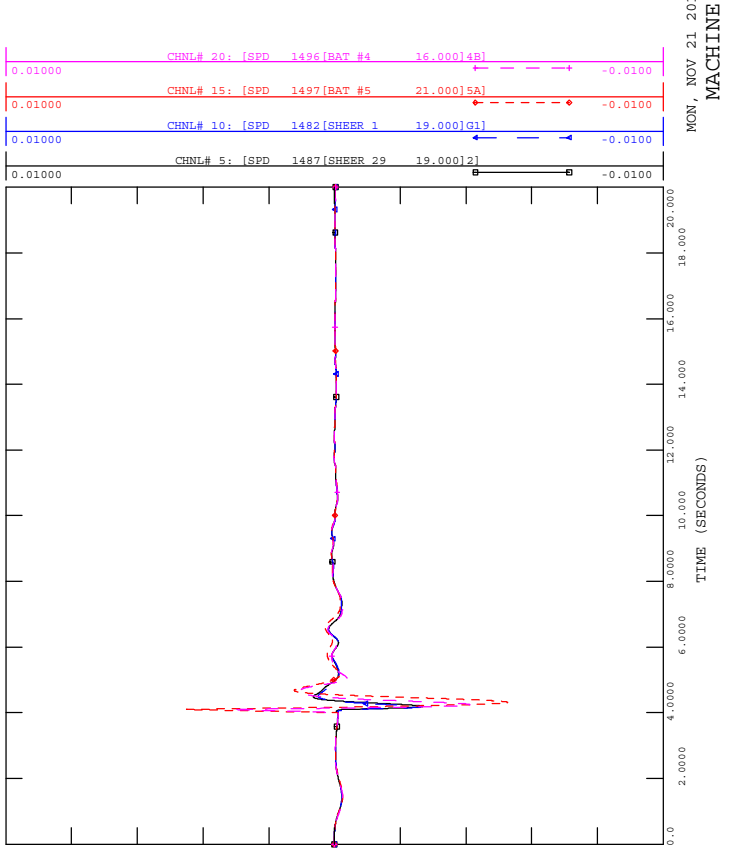


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:40

MACHINE SPEED

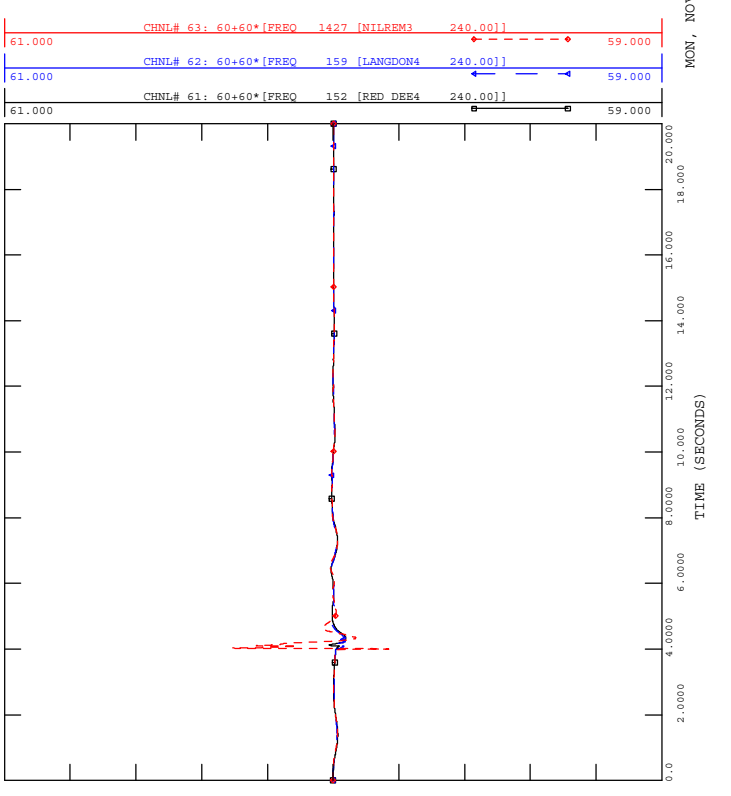


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:40

FREQUENCY

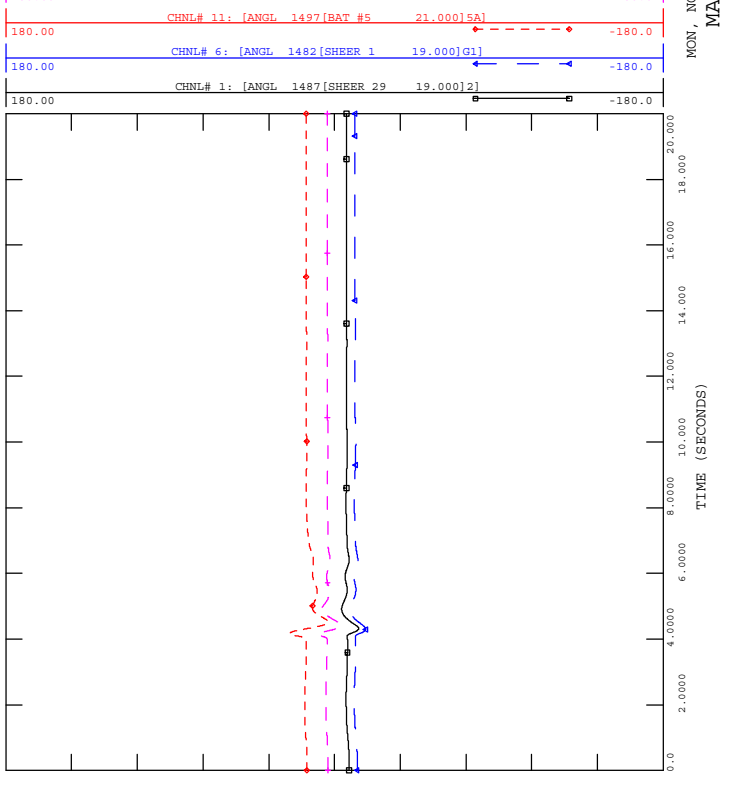


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

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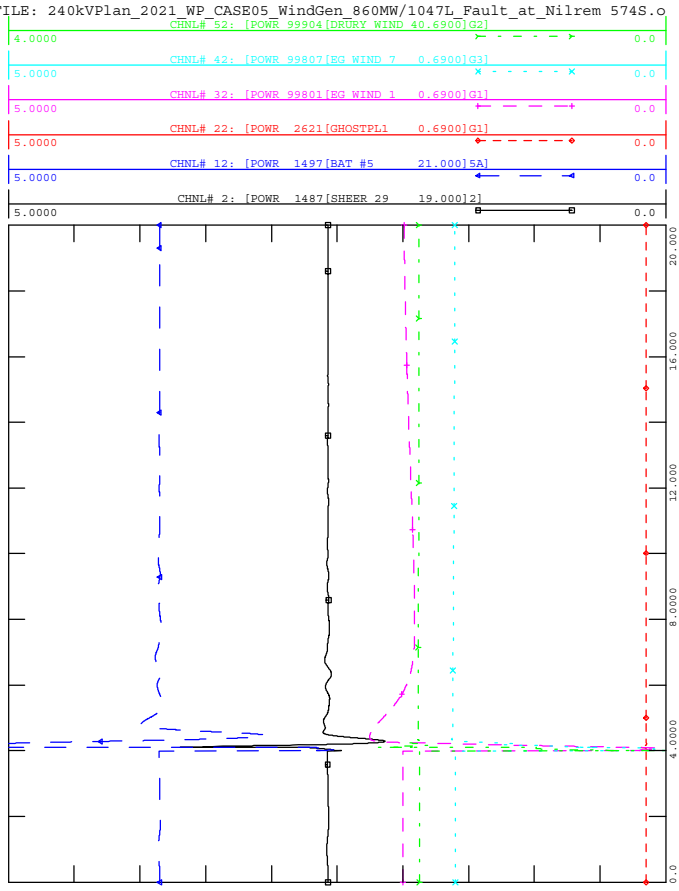
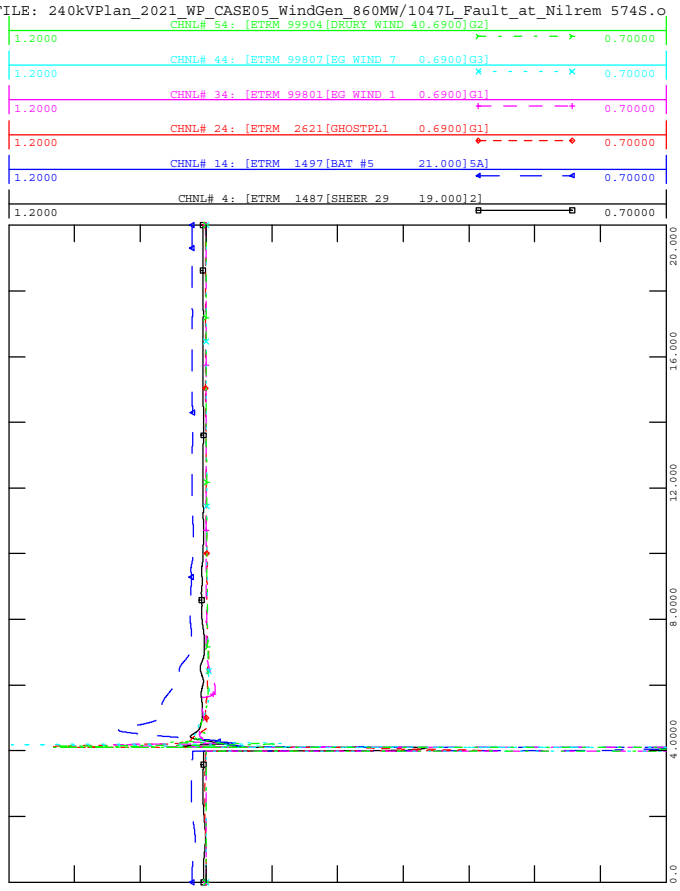


MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

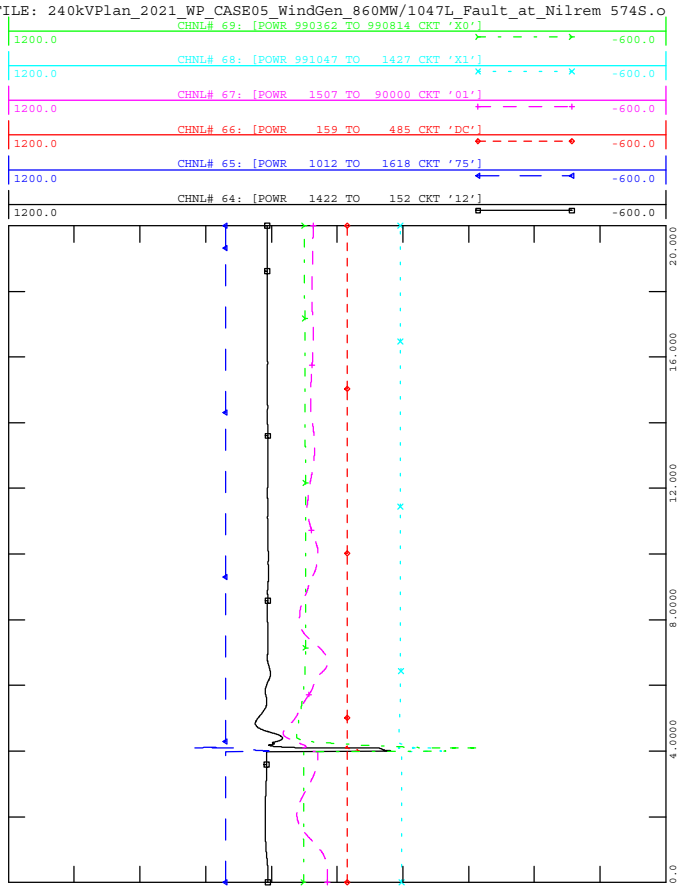


MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

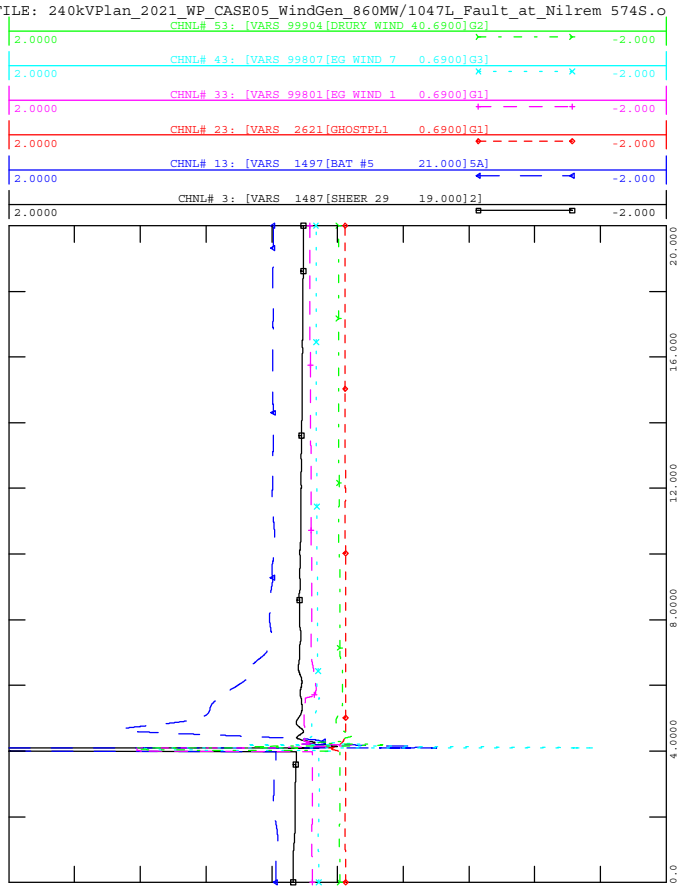


MON, NOV 21 2016 13:40

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o



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GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake

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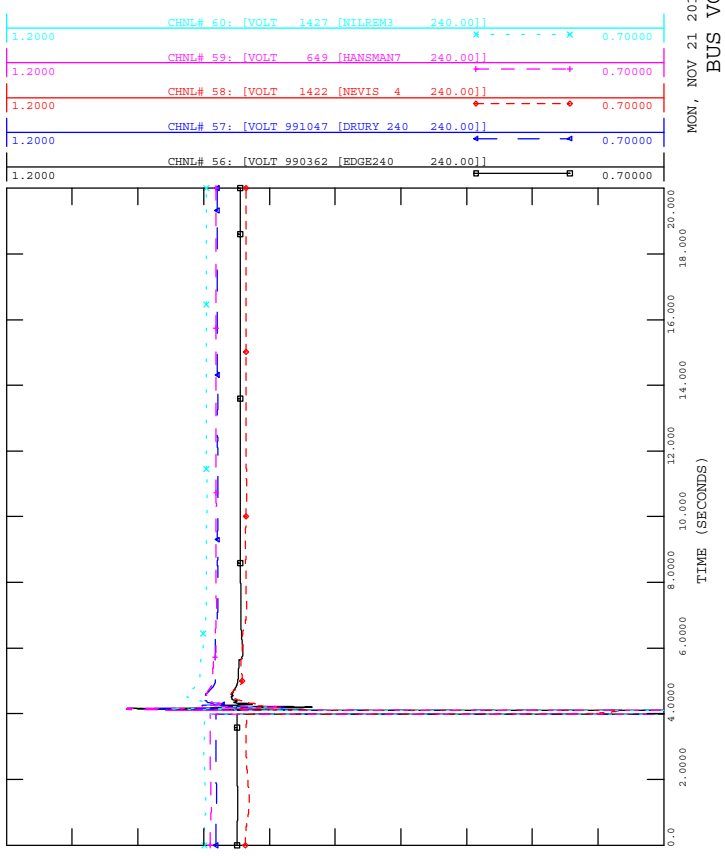
BUS VOLTAGE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake

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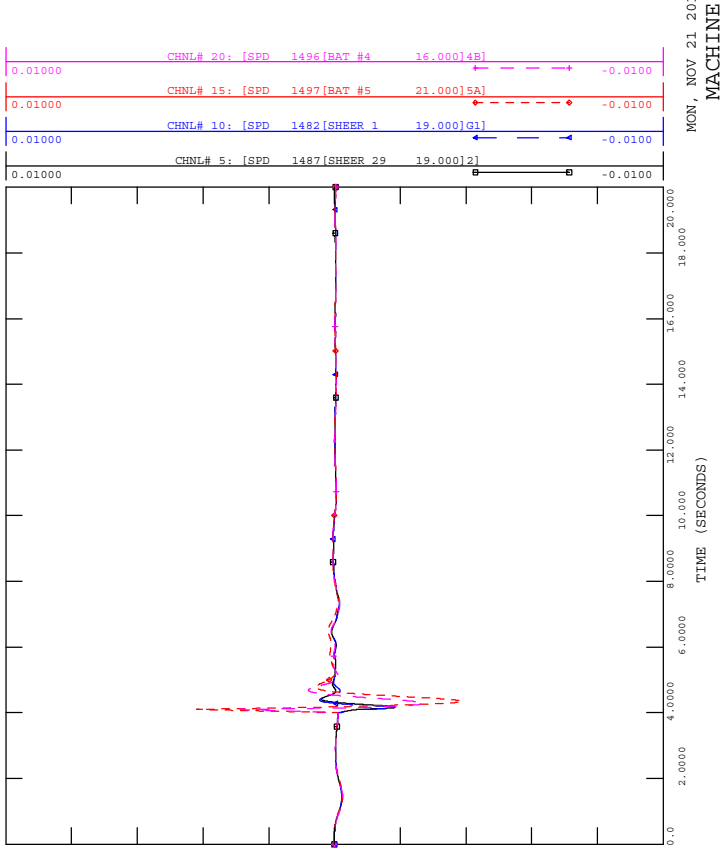
MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake

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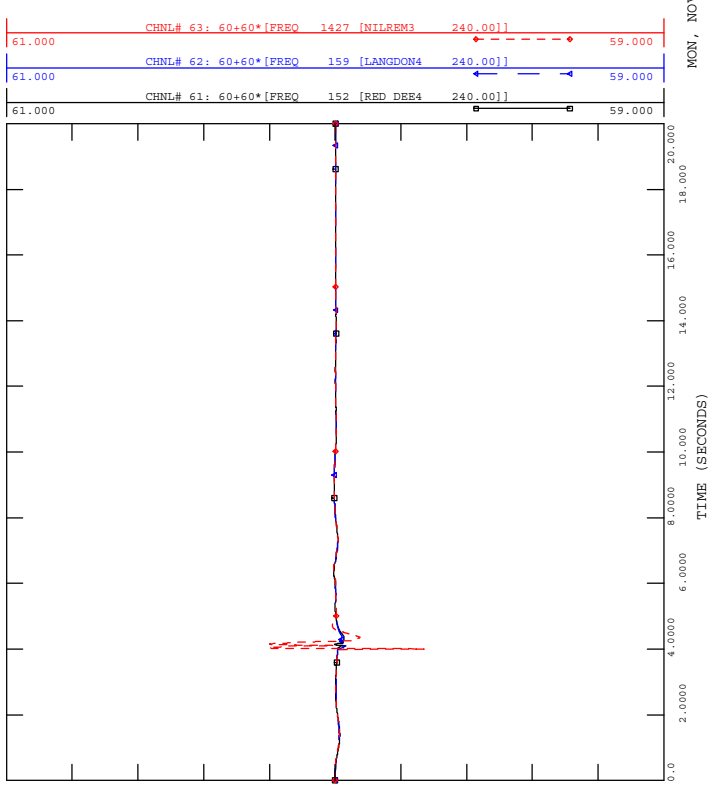
FREQUENCY

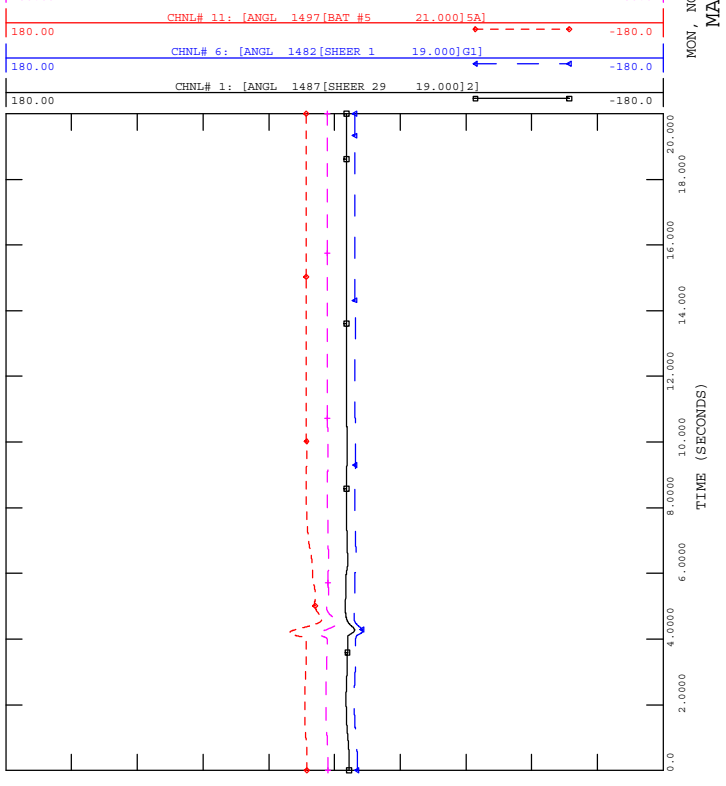


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake

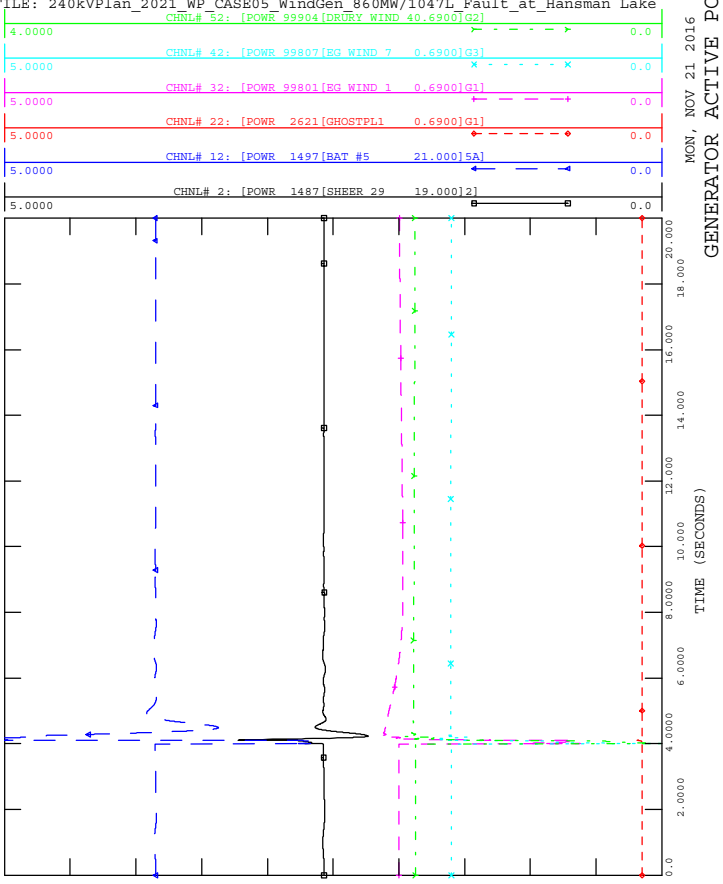
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

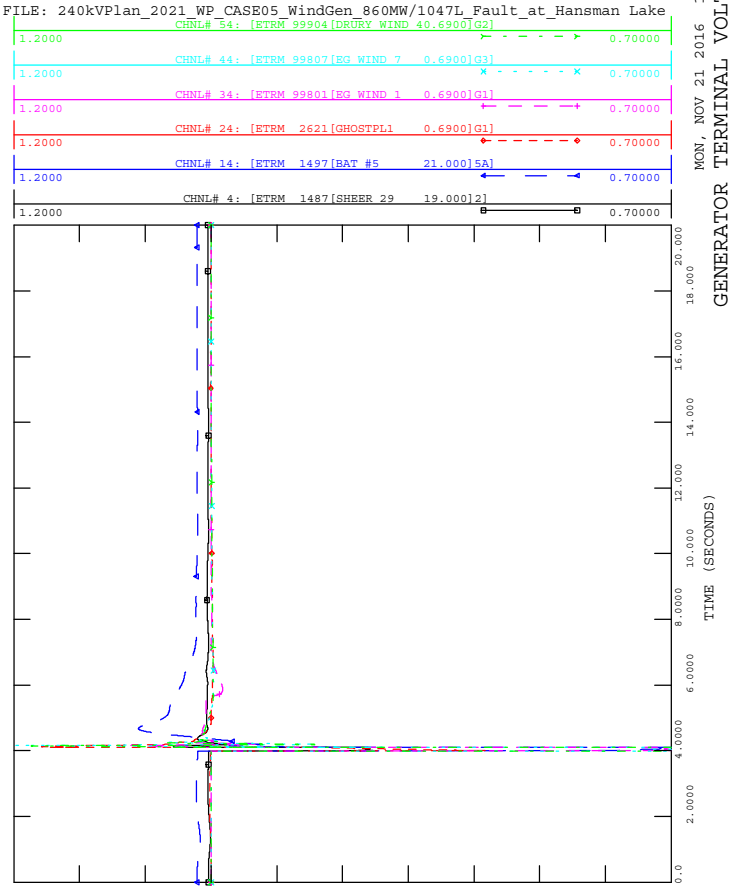
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

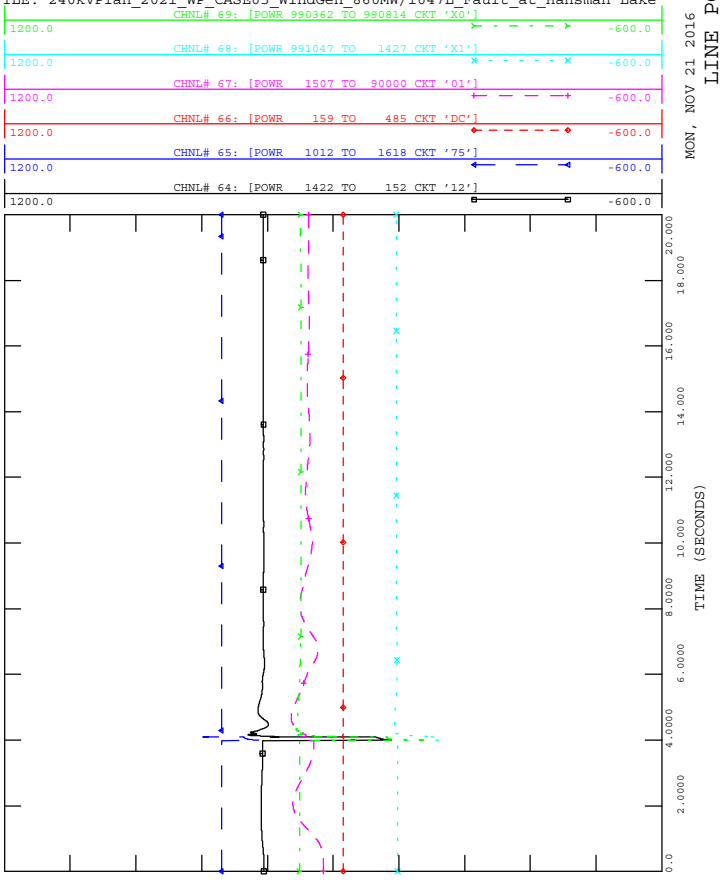
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

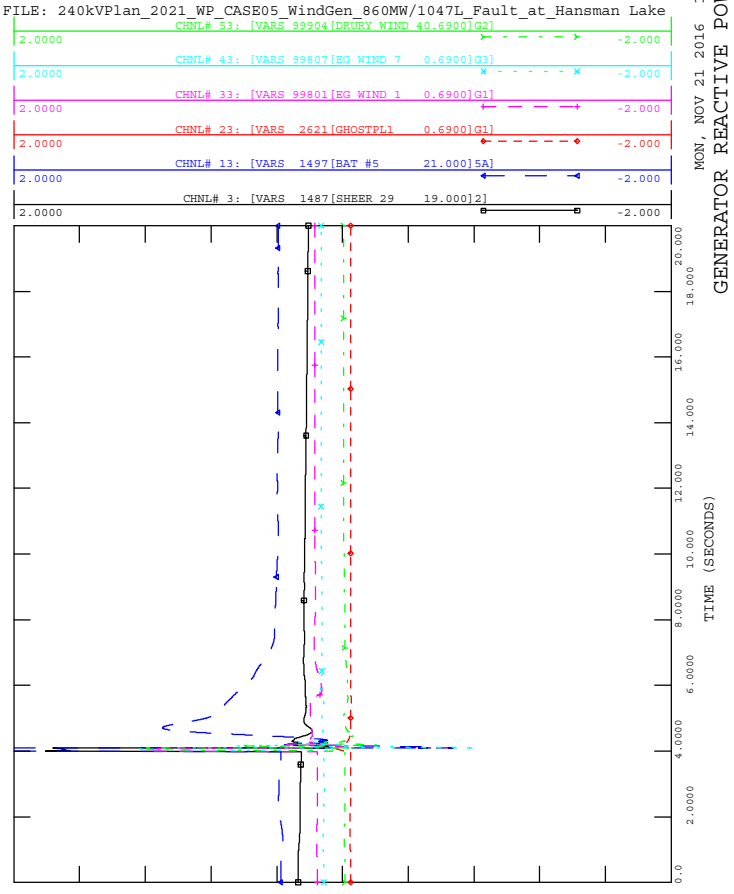
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake



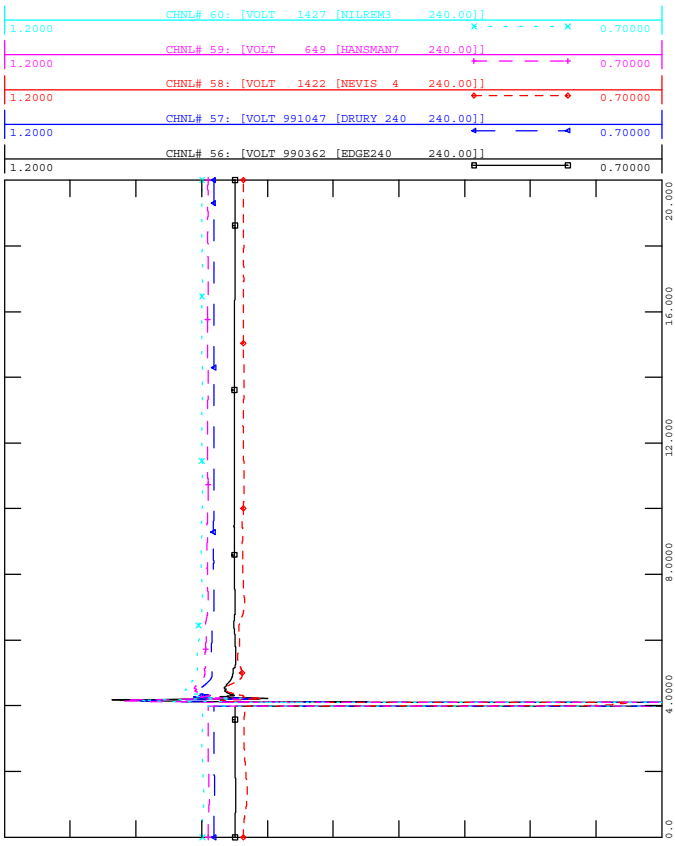
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

BUS VOLTAGE

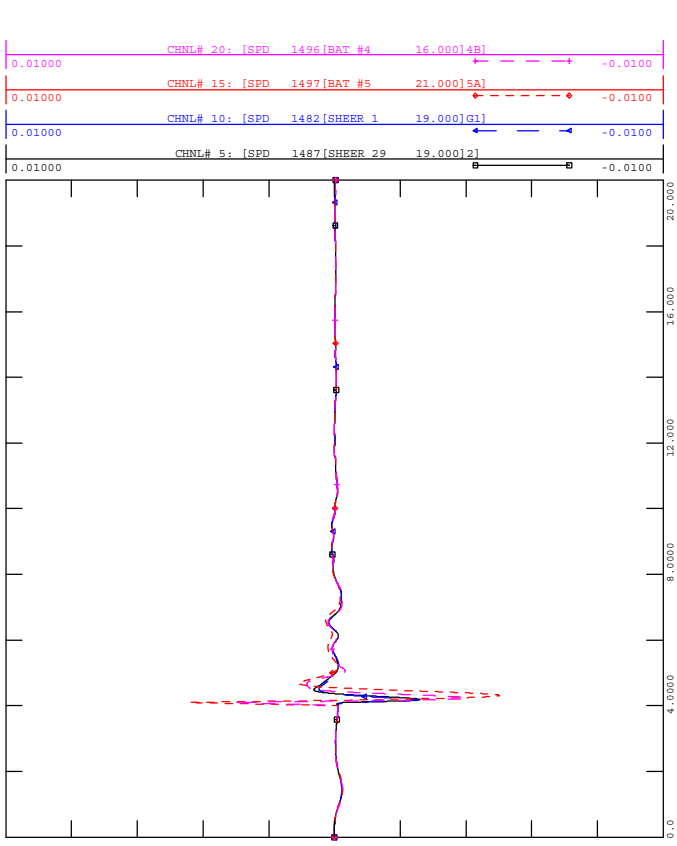


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

MACHINE SPEED

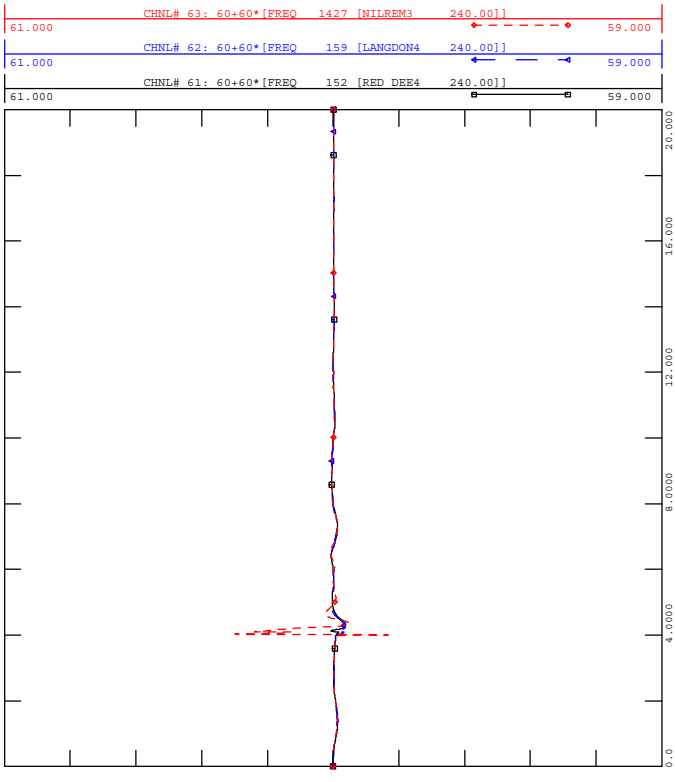


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

FREQUENCY

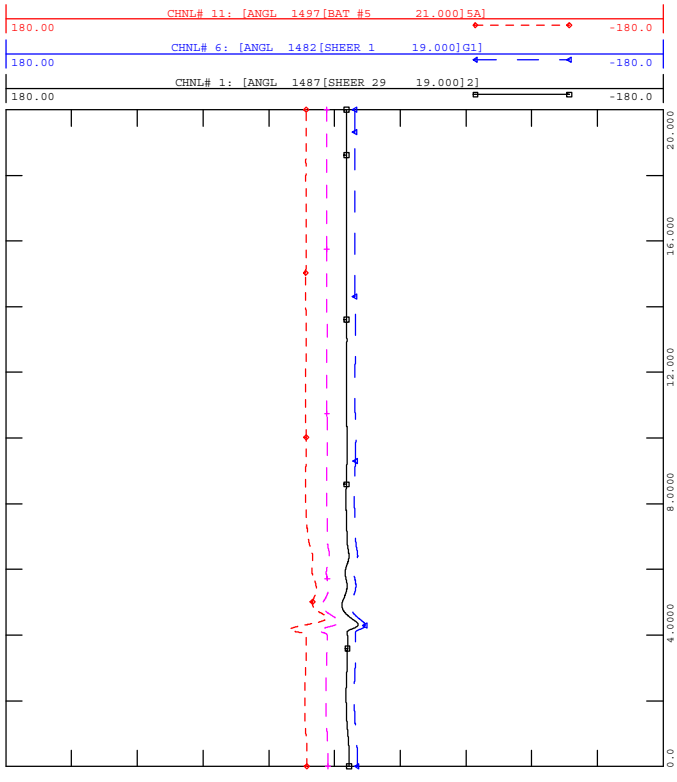


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

MON, NOV 21 2016 13:40

LINE POWER

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

MON, NOV 21 2016 13:40

GENERATOR REACTIVE POWER

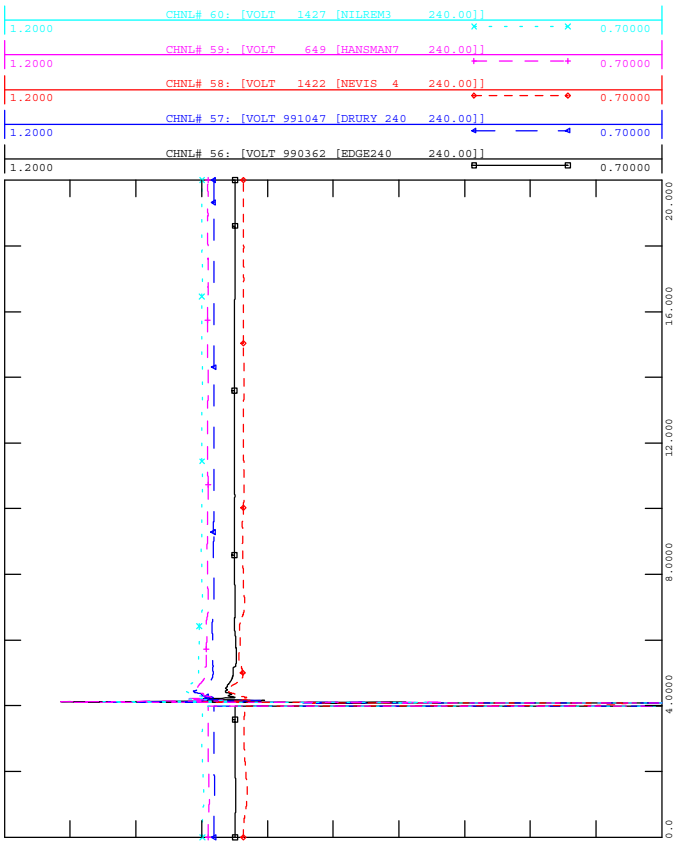
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:40

BUS VOLTAGE

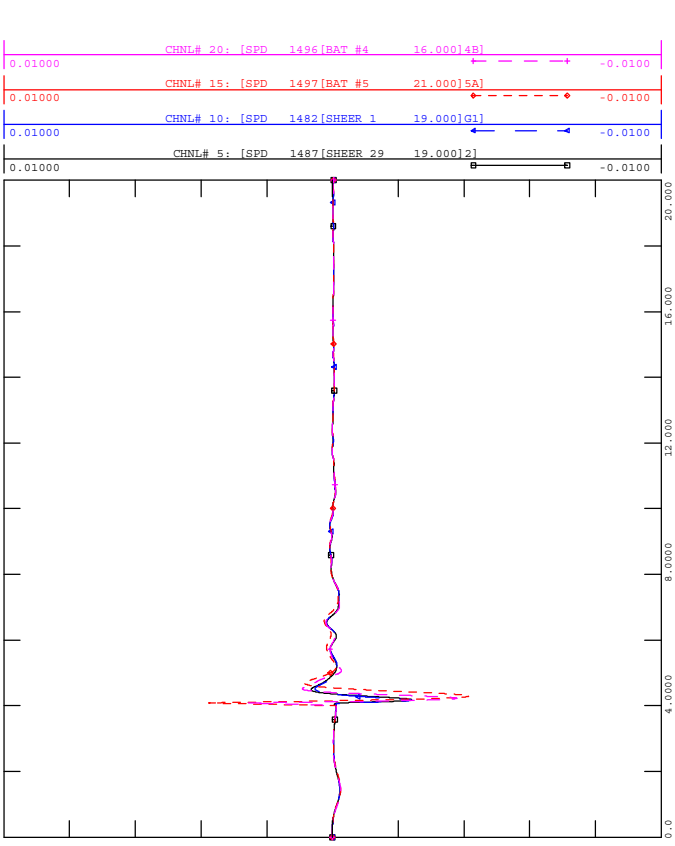


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:40

MACHINE SPEED

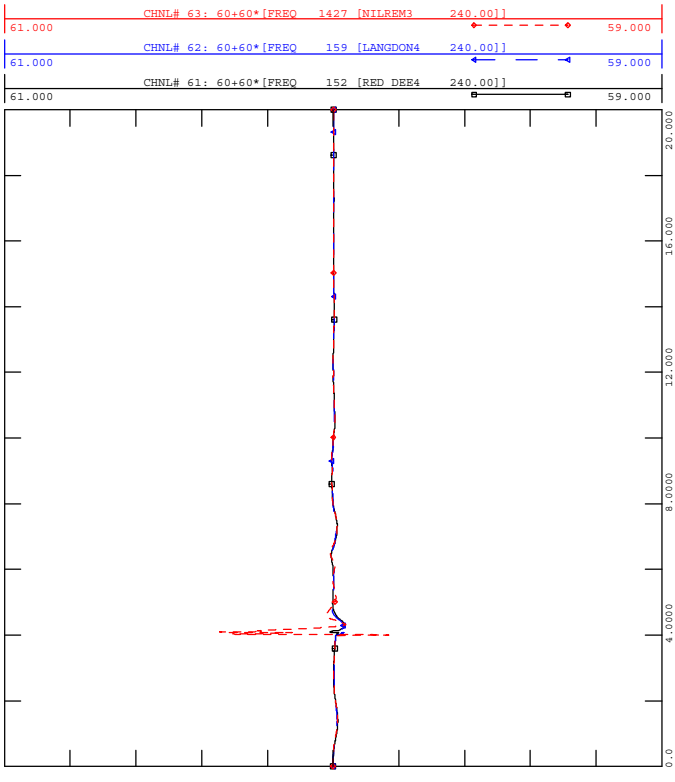


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 13:40

FREQUENCY

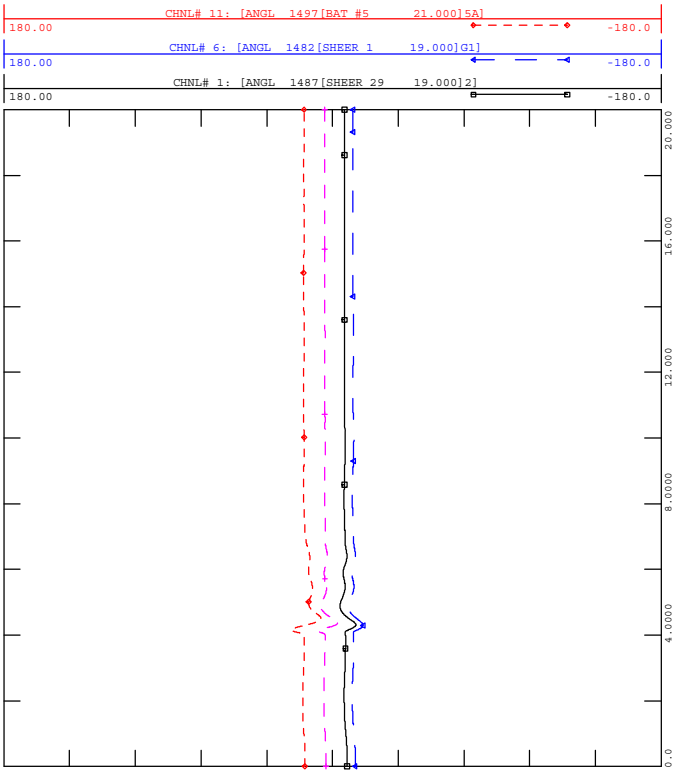


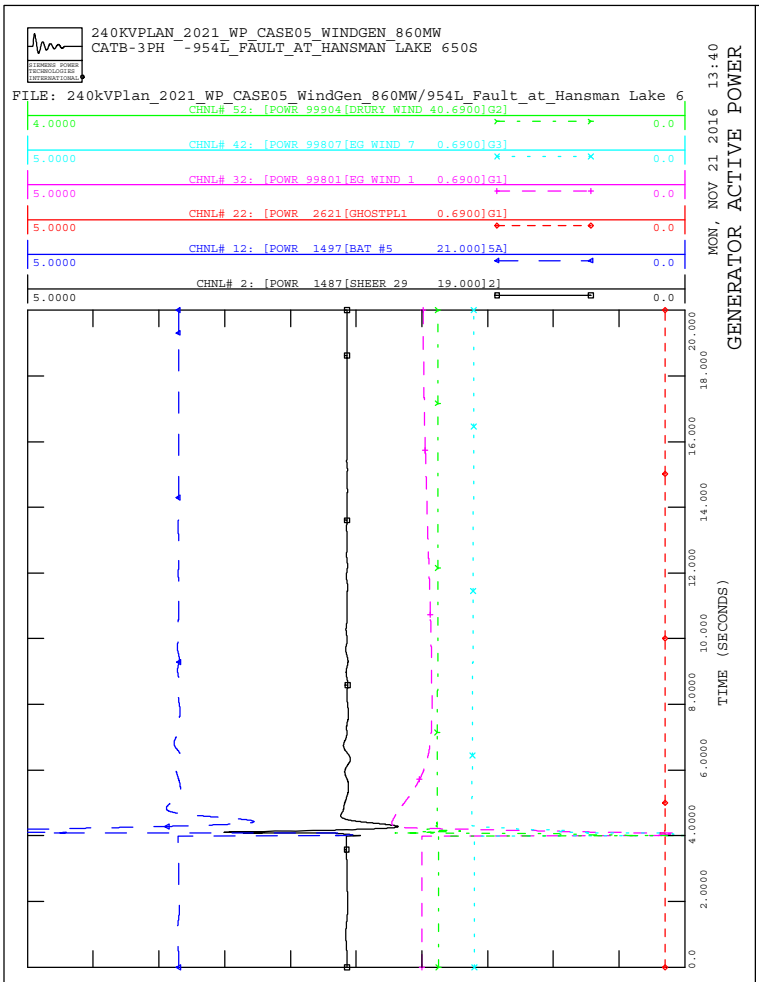
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S

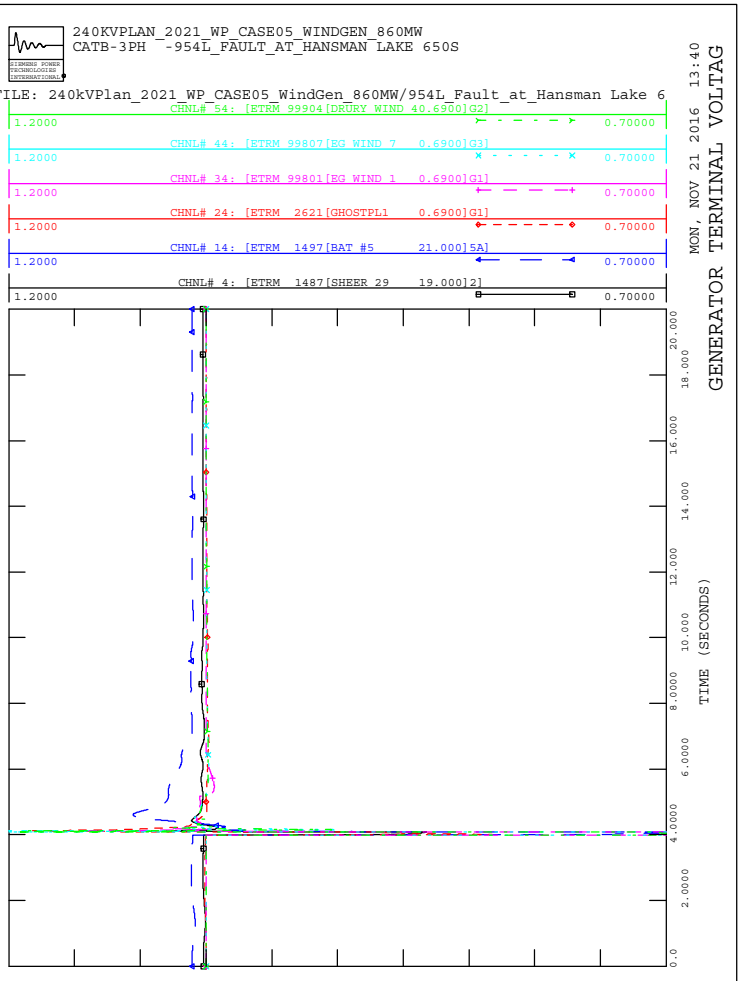
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman Lake 6

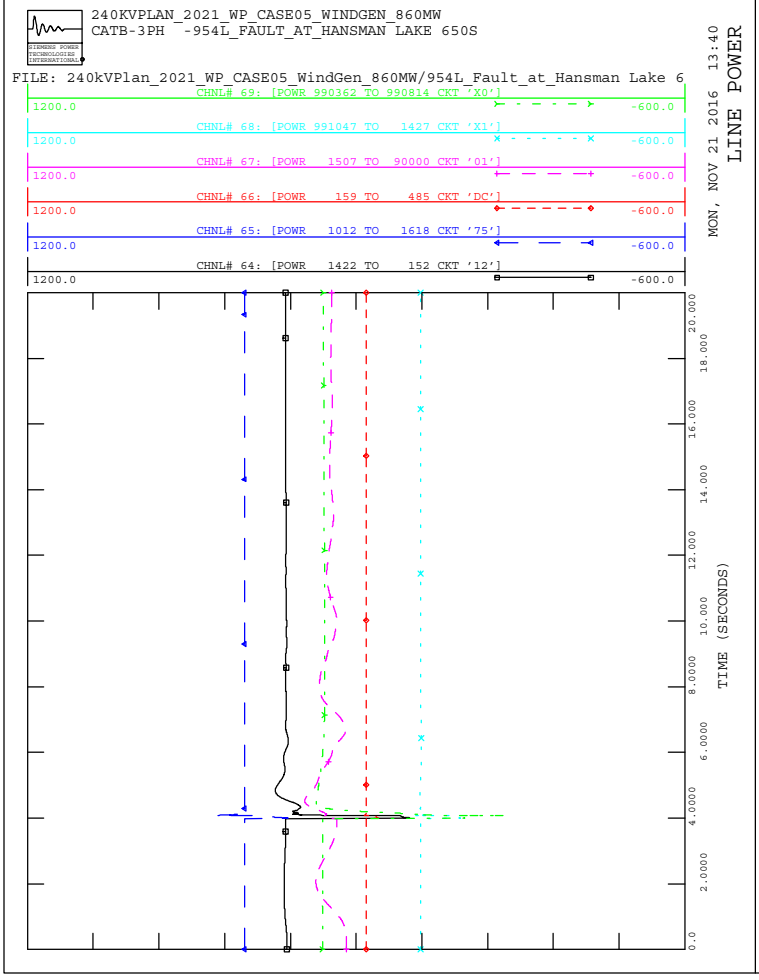
MON, NOV 21 2016 13:40

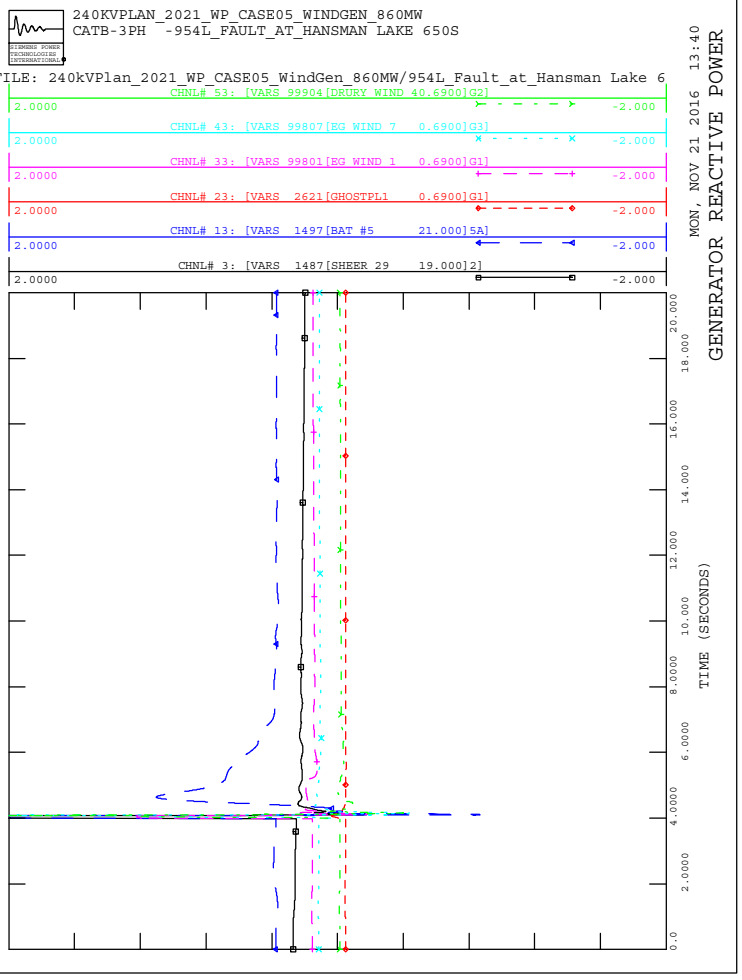
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman_Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman_Lake 6
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

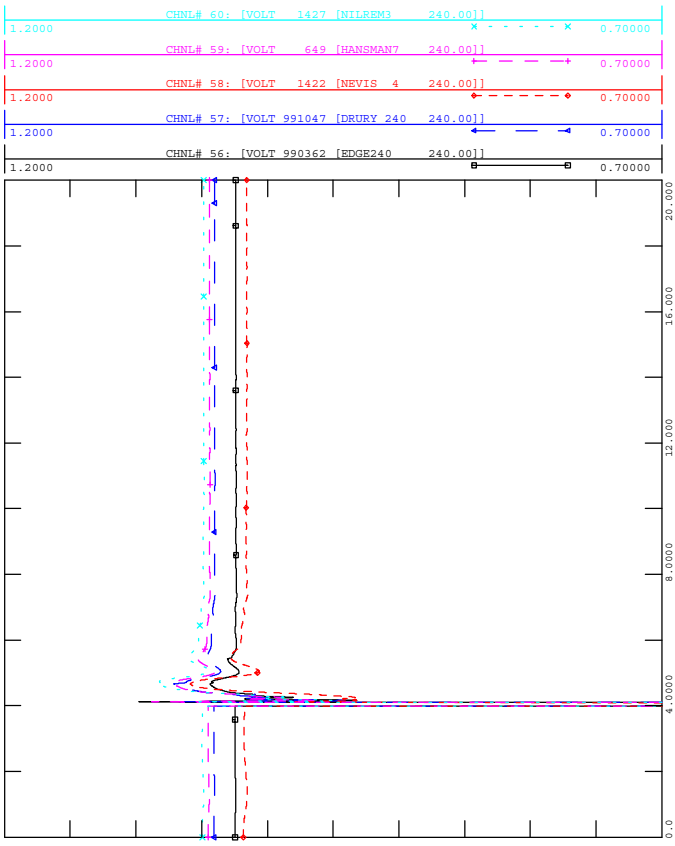

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman_Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:40

BUS VOLTAGE

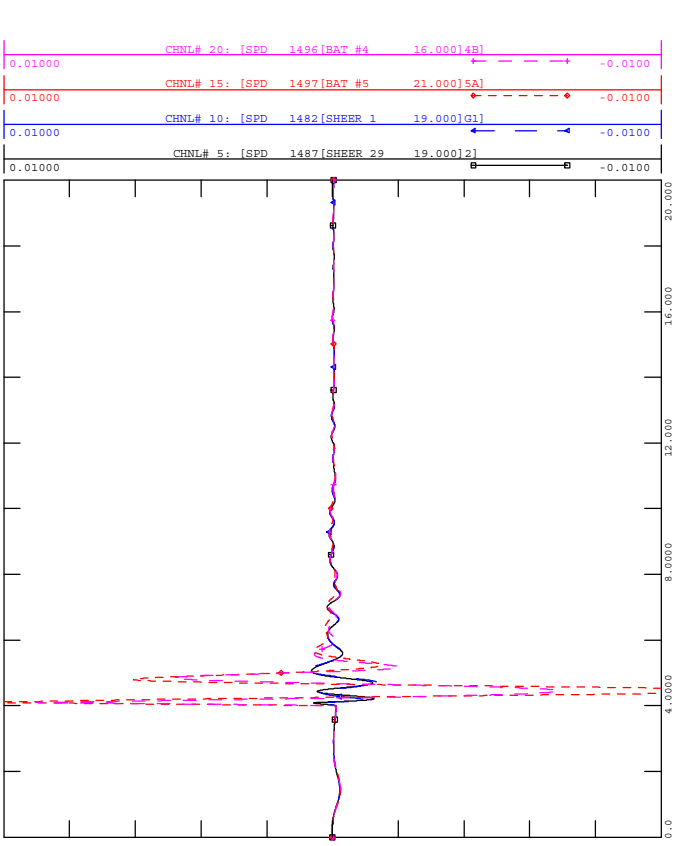


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:40

MACHINE SPEED

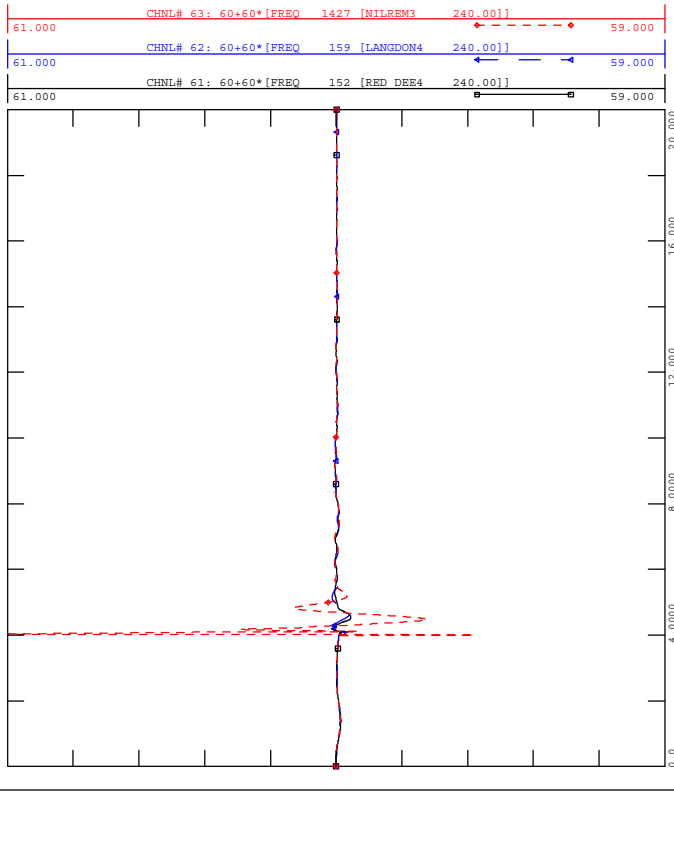


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:40

FREQUENCY

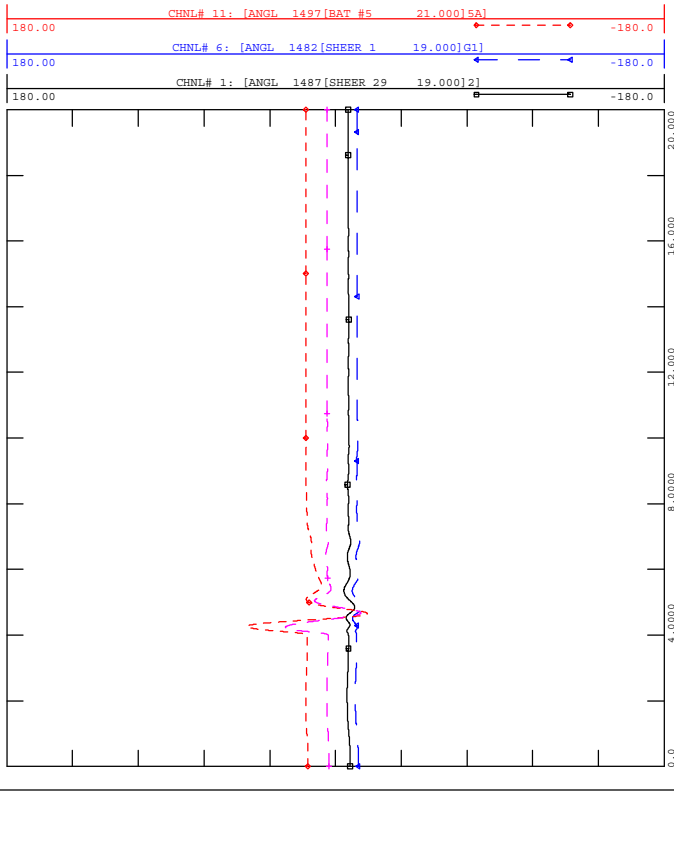


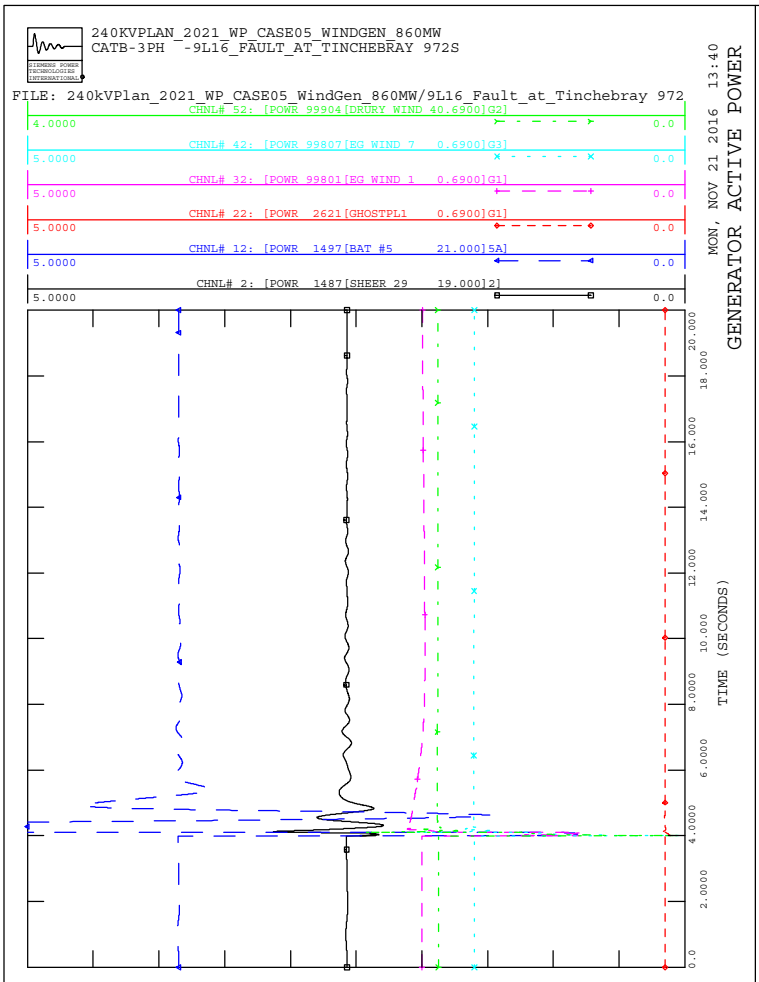
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S

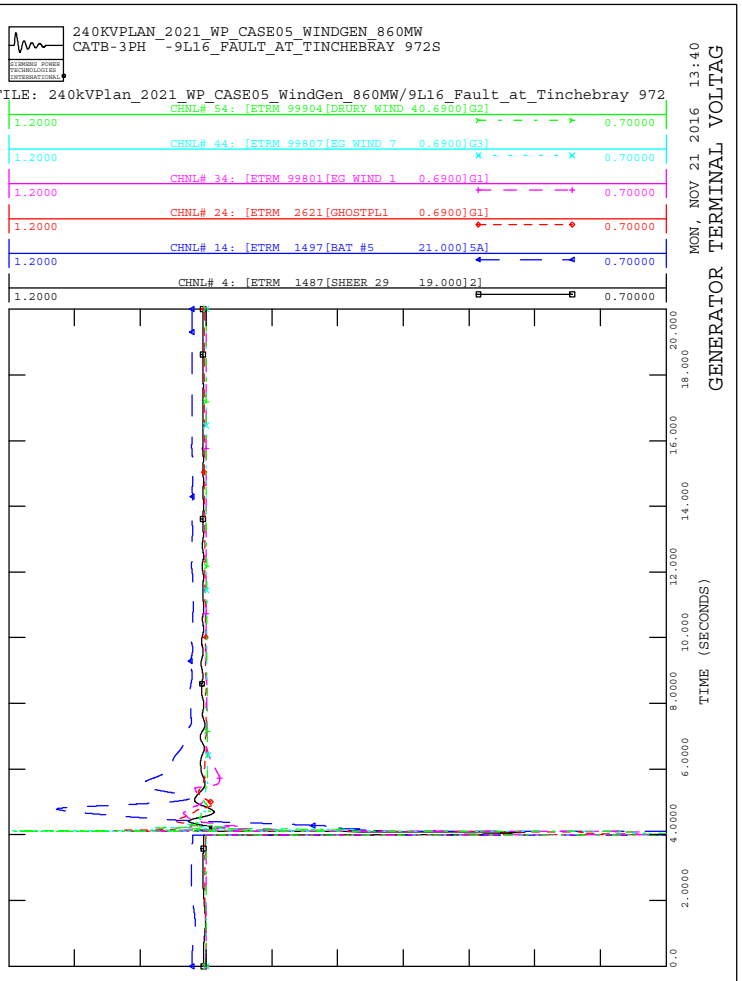
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972

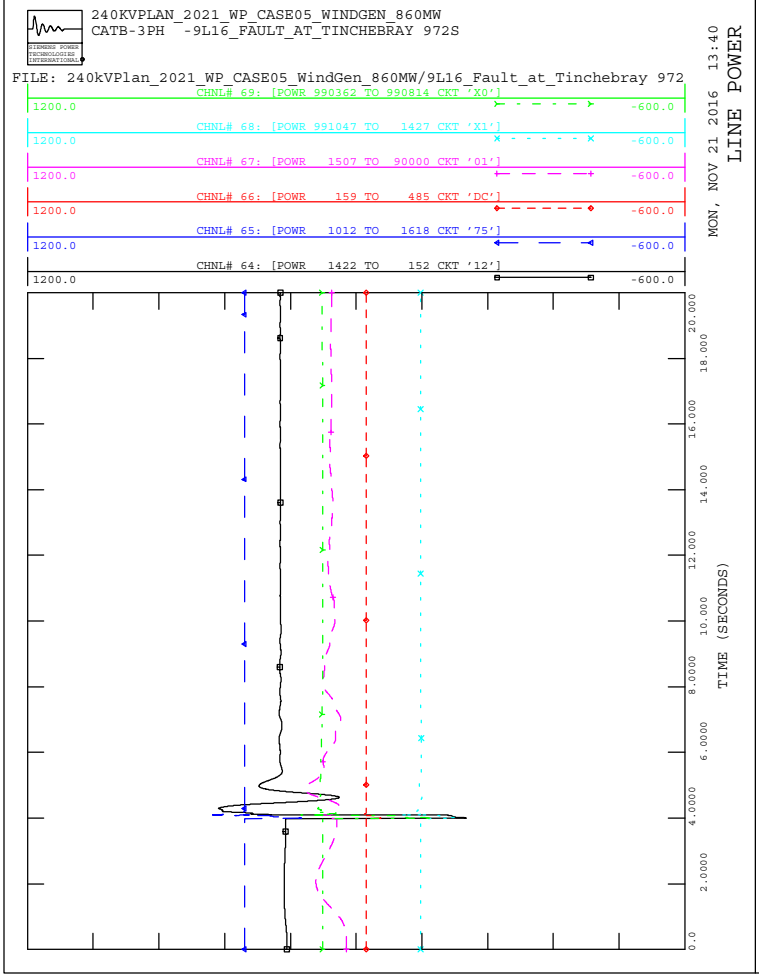
MON, NOV 21 2016 13:40

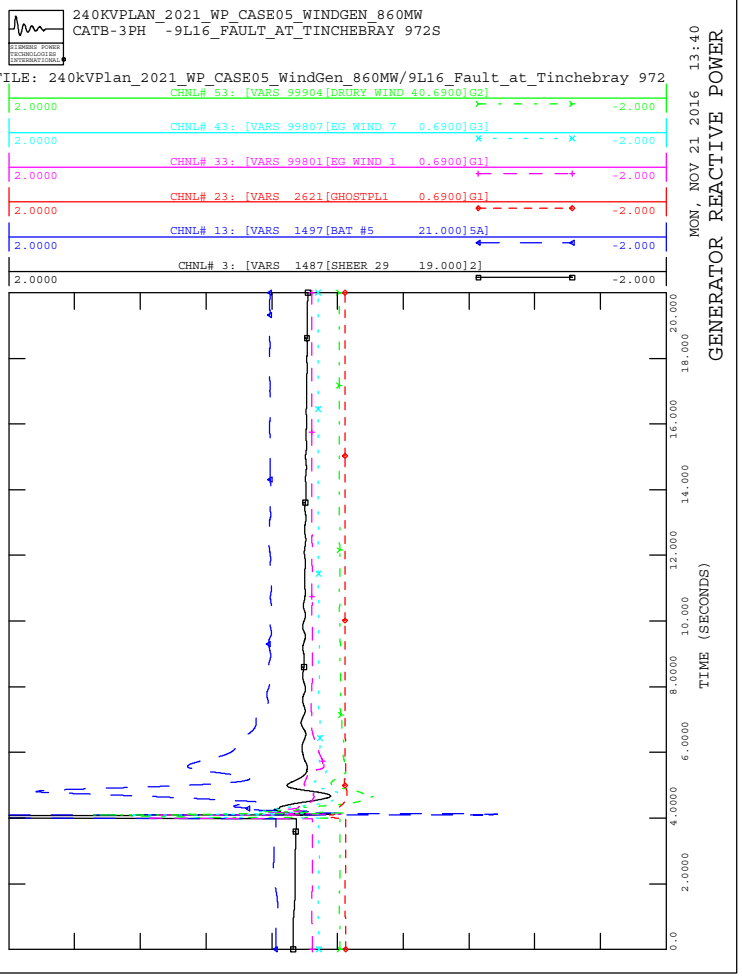
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

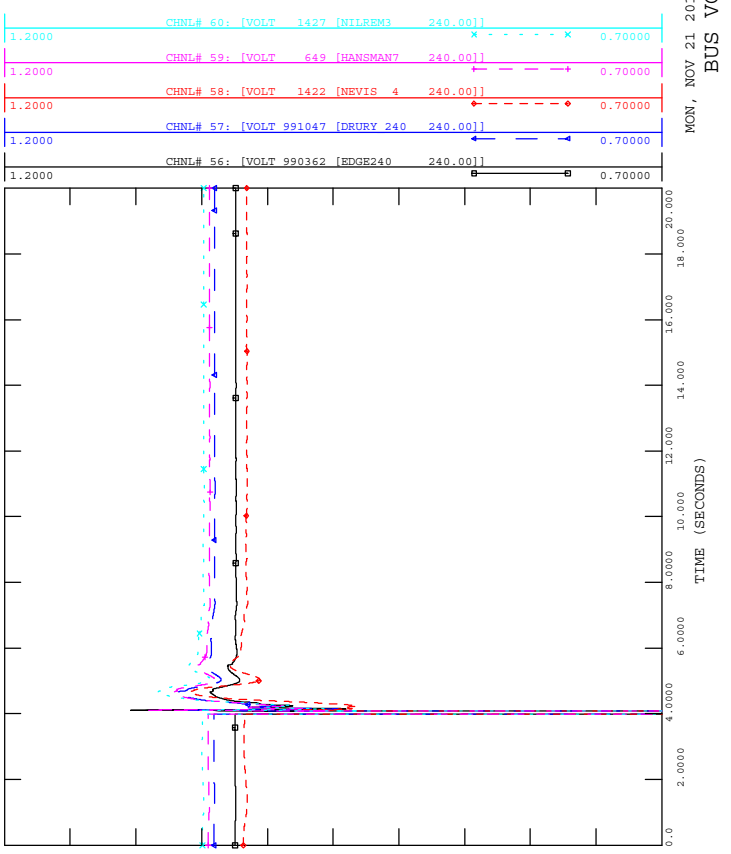

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

BUS VOLTAGE

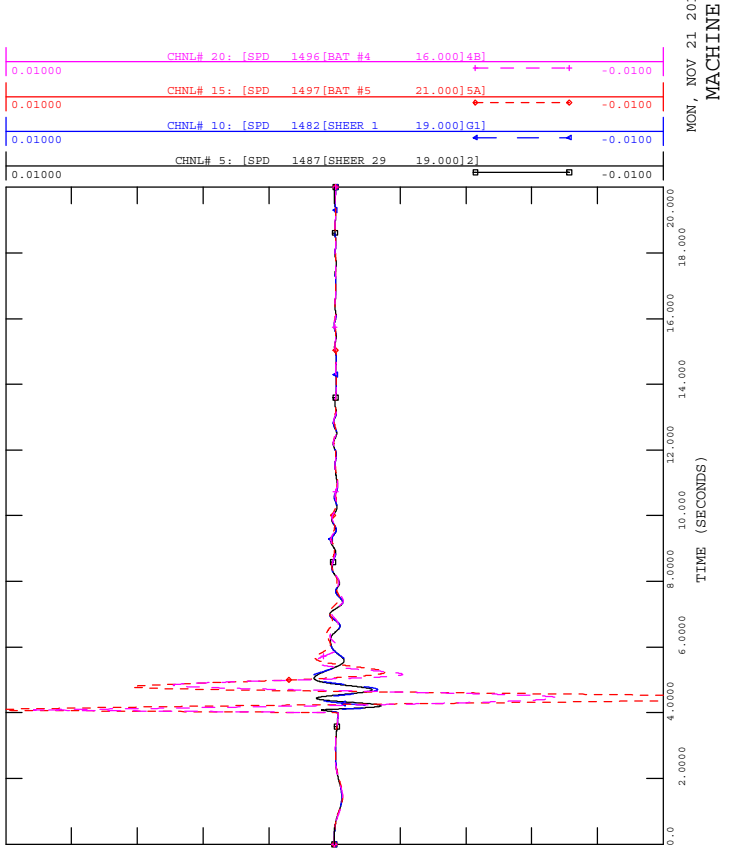


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

MACHINE SPEED

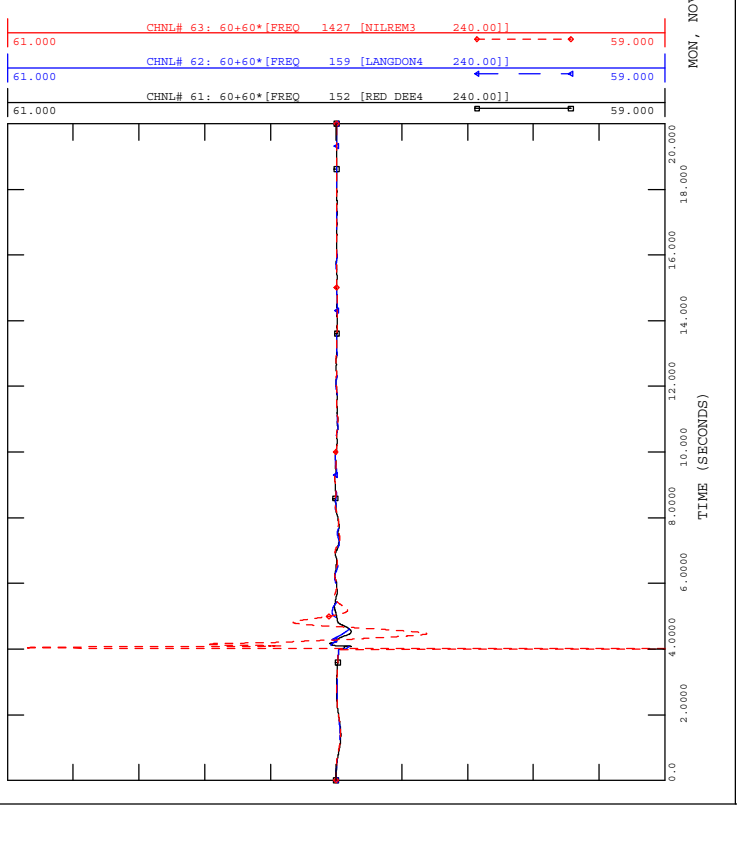


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

FREQUENCY

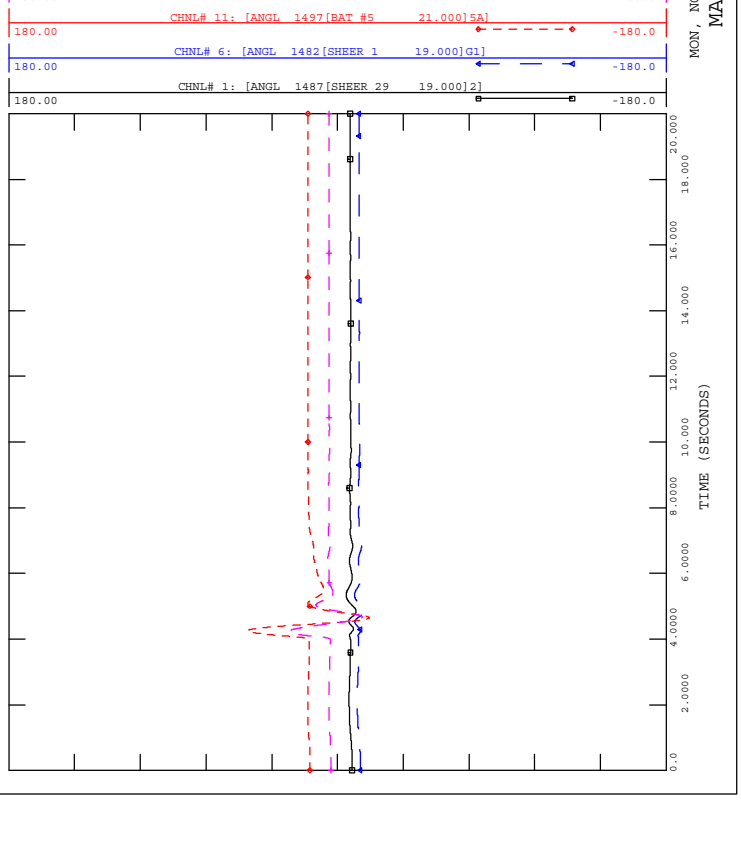


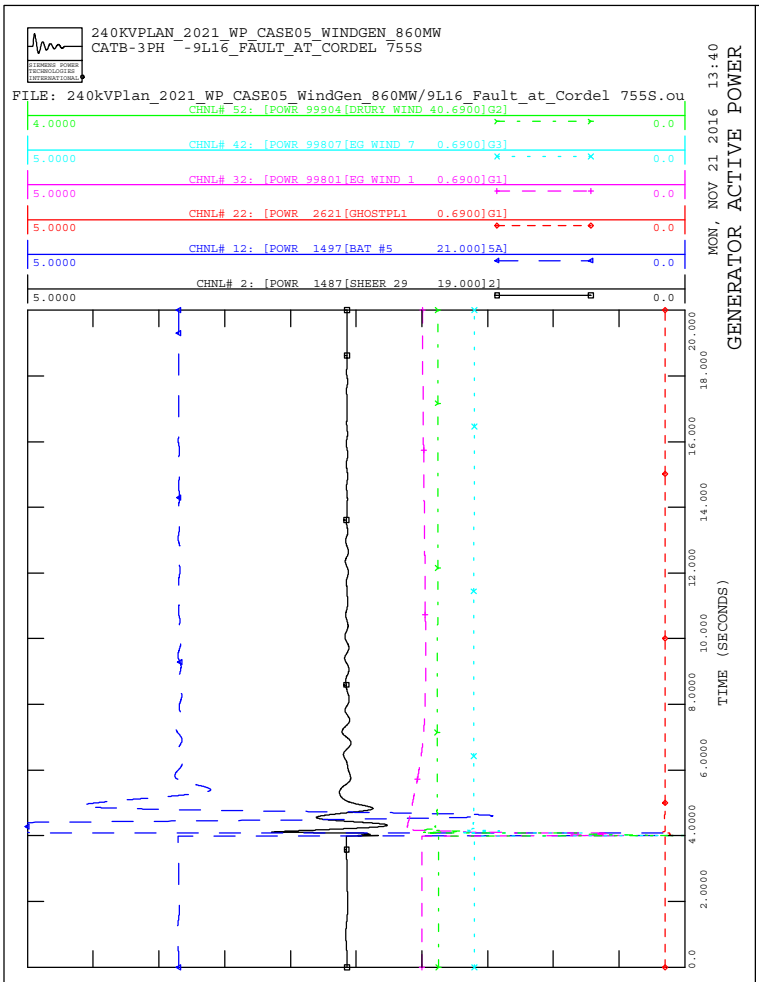
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S

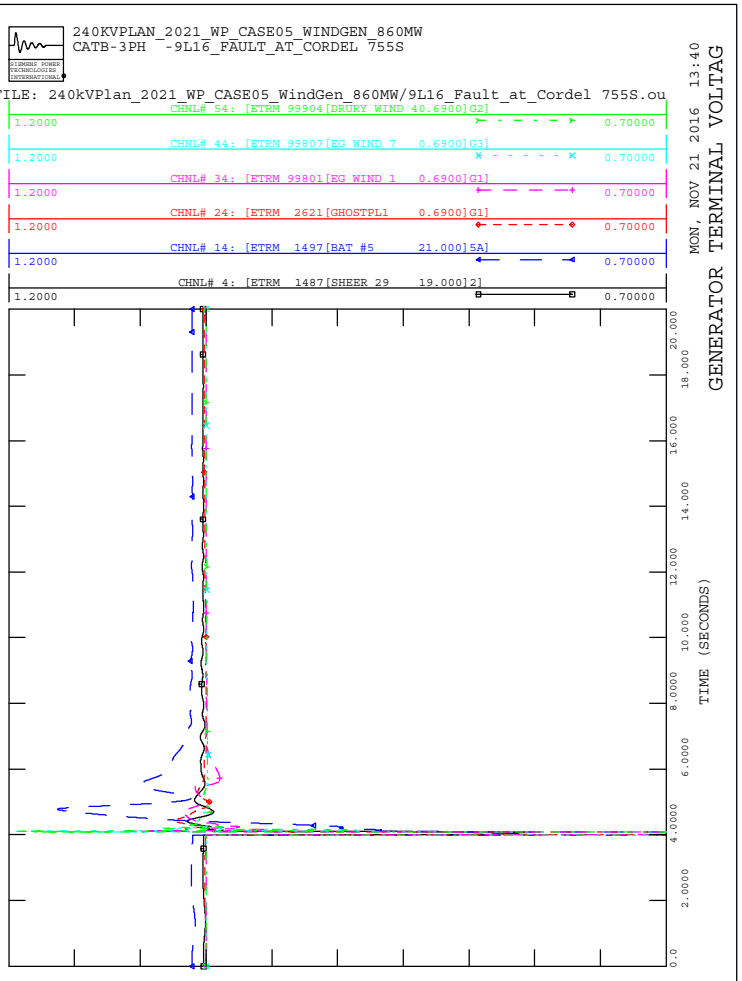
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

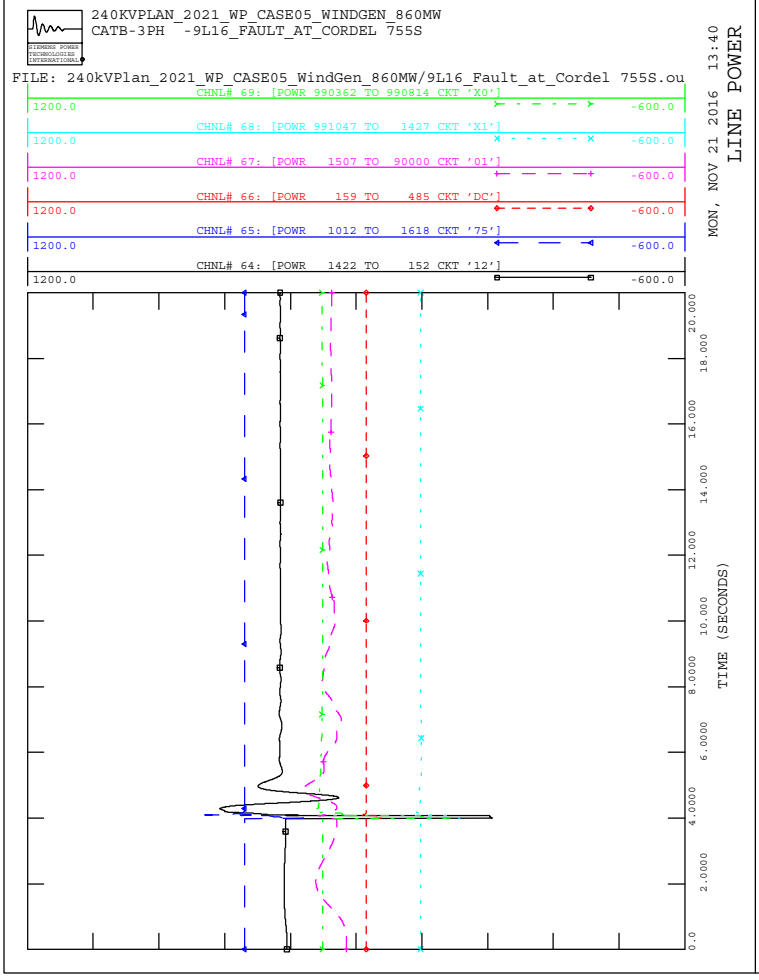
MON, NOV 21 2016 13:40

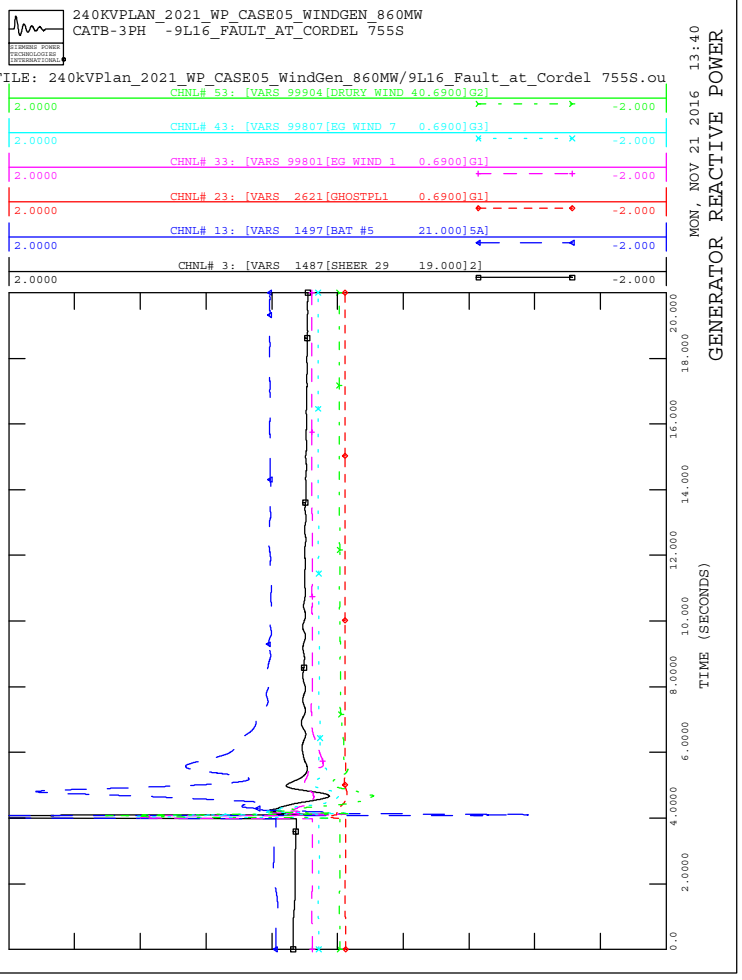
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L16_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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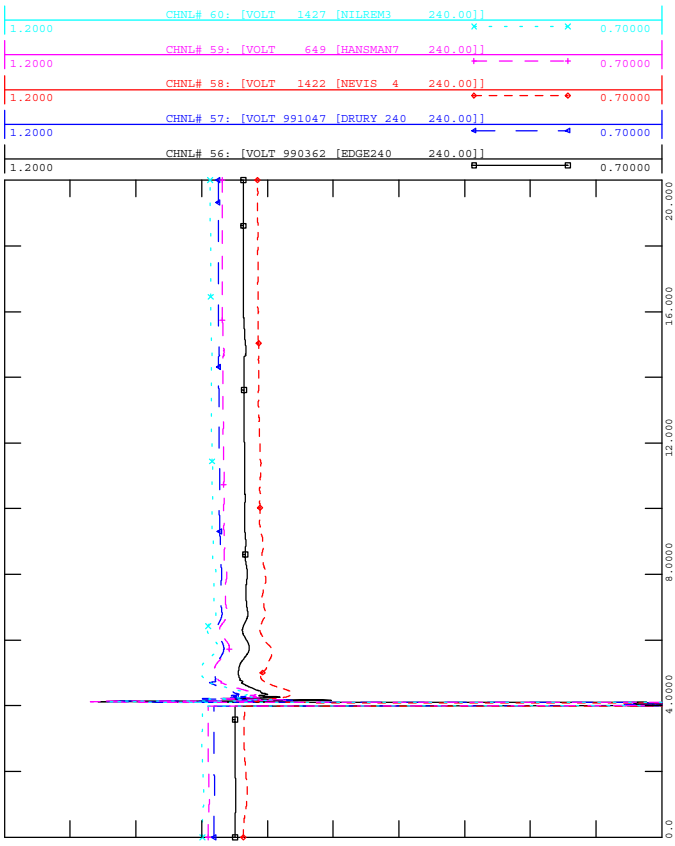
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:40

BUS VOLTAGE

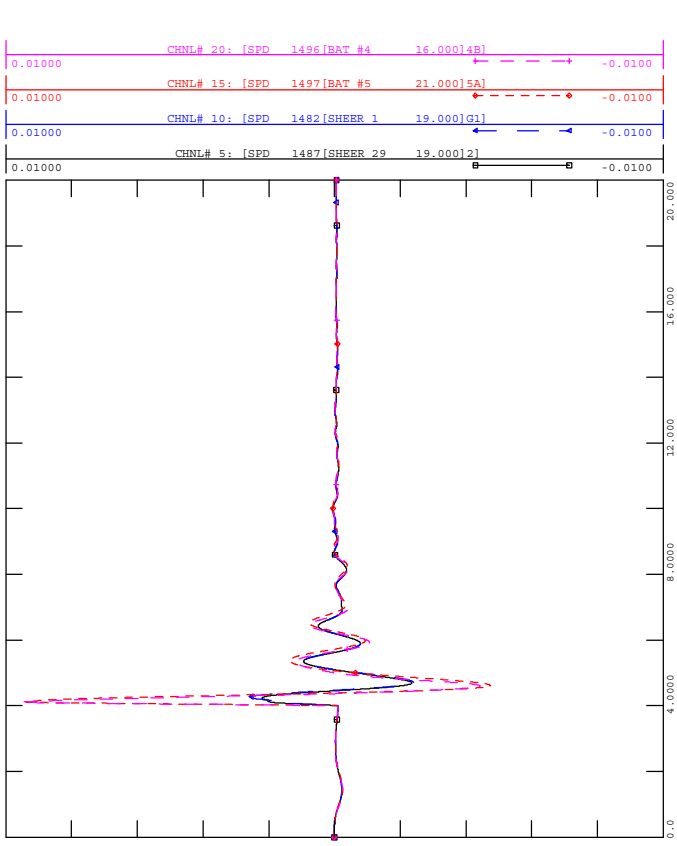


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 13:40

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

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MON, NOV 21 2016 13:40

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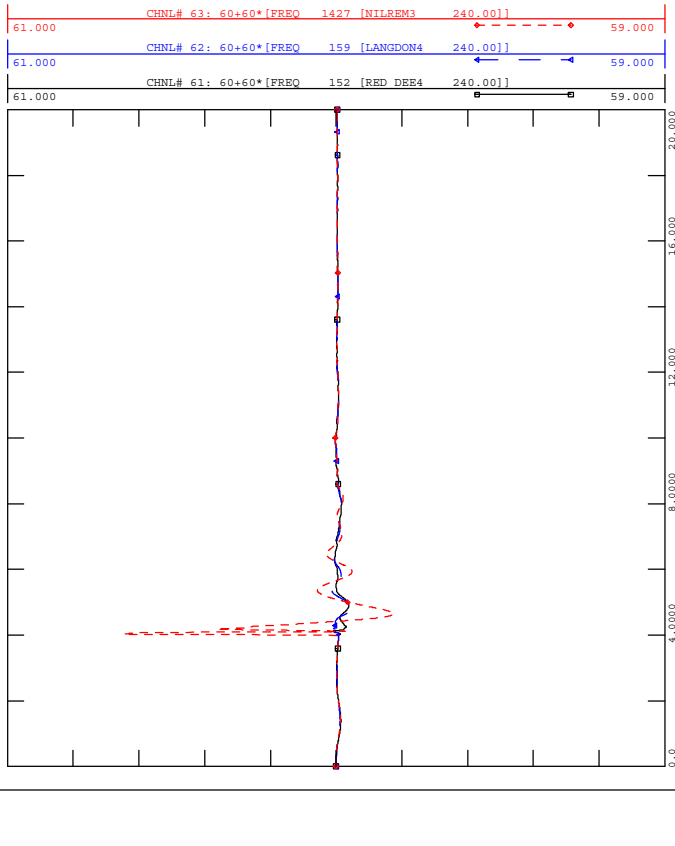

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

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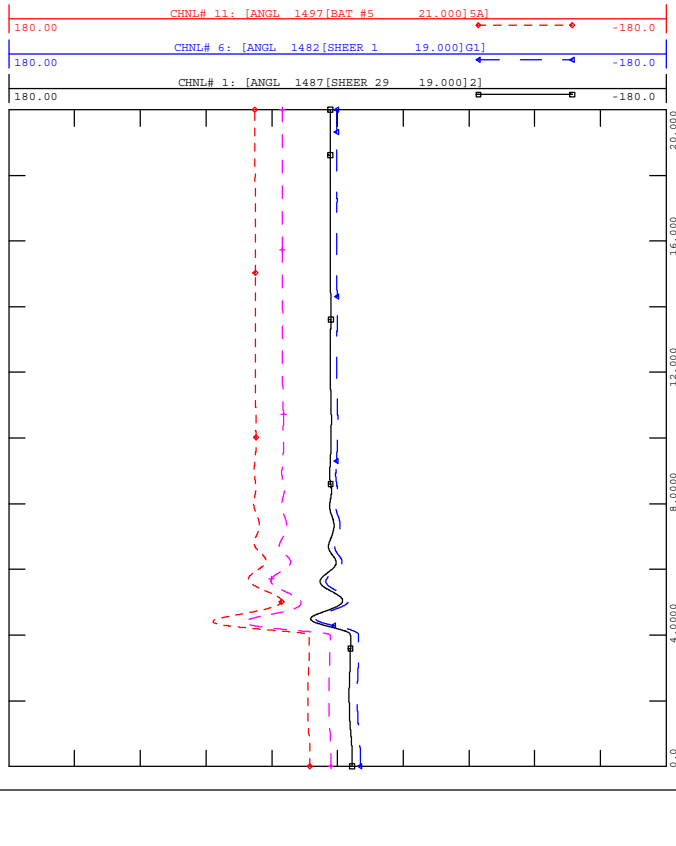
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

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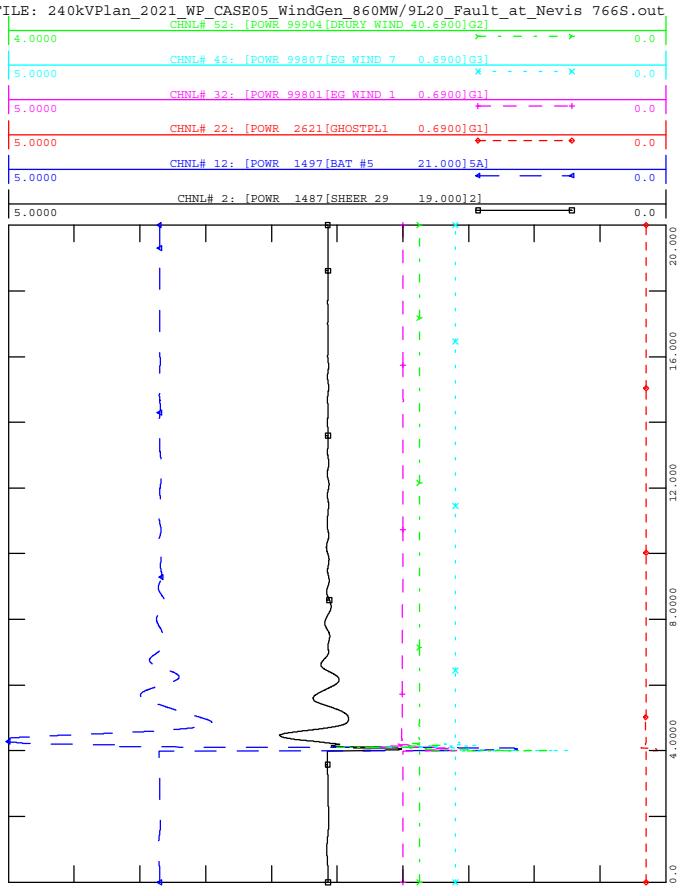
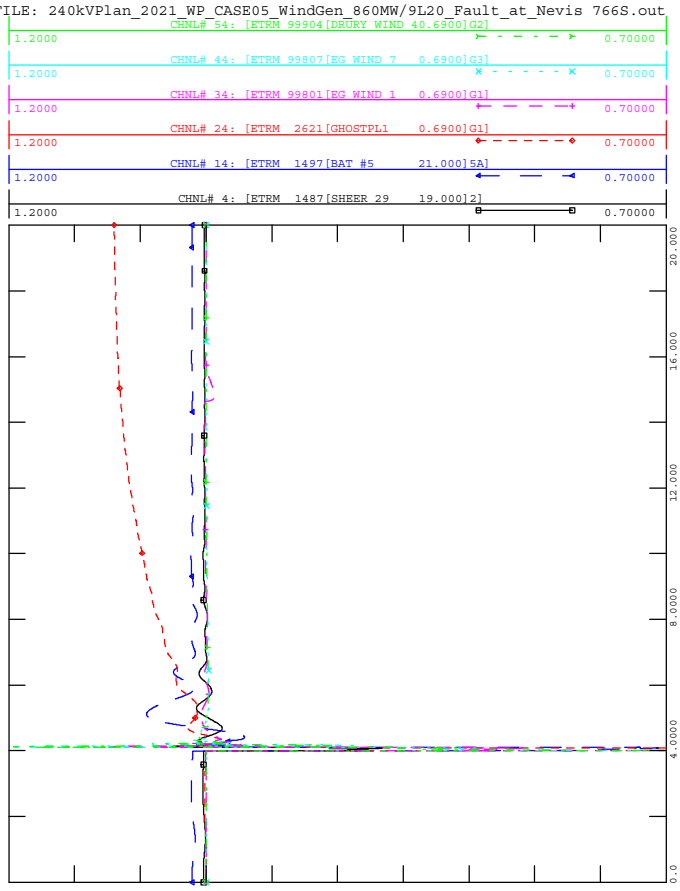


GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

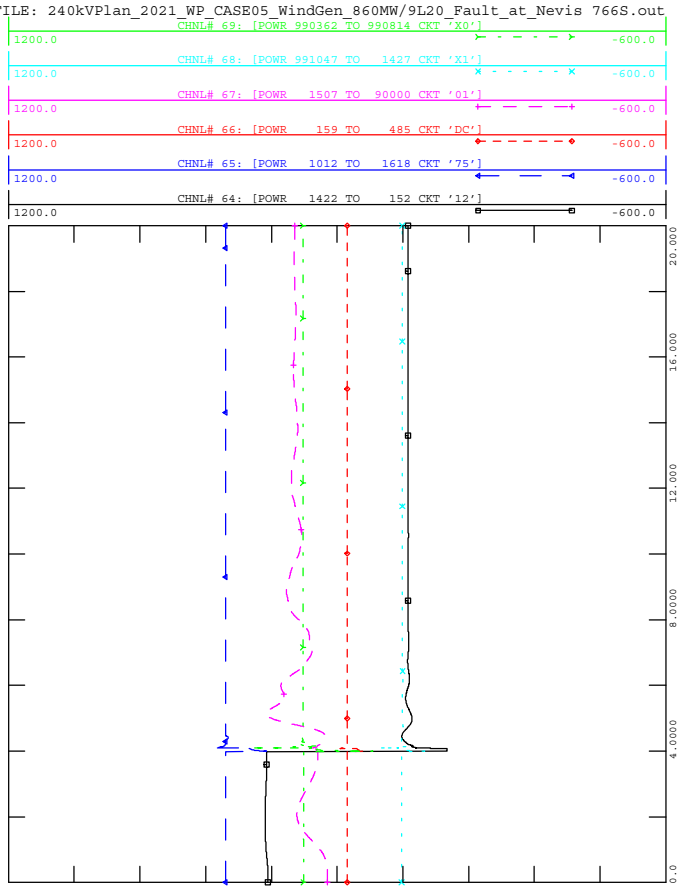
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

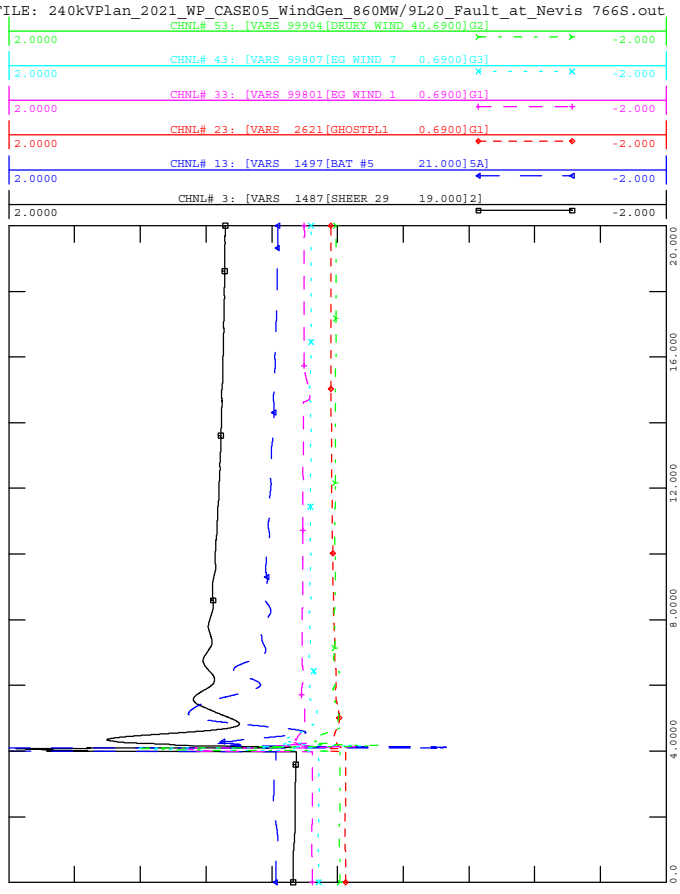
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out



LINE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out



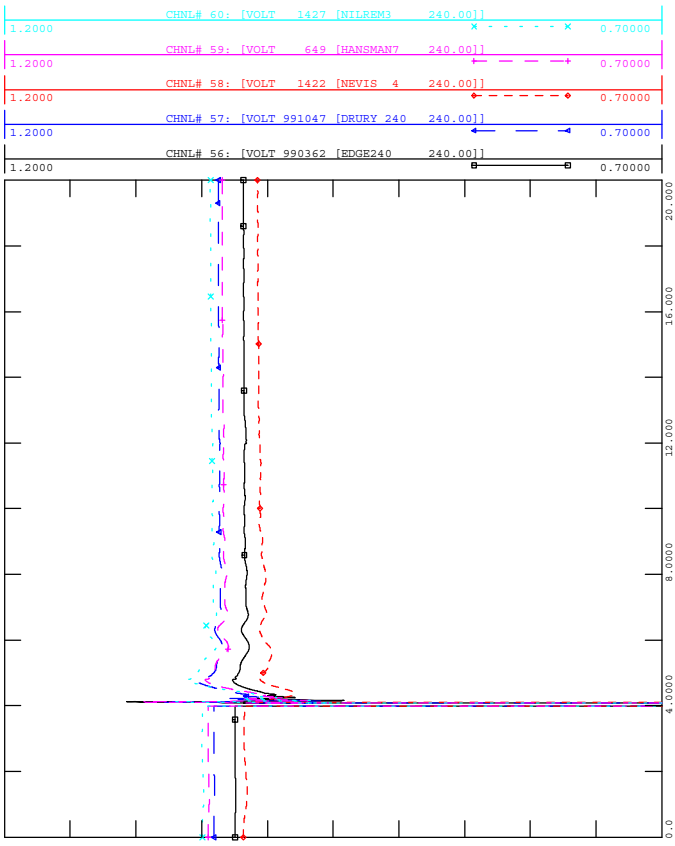
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

BUS VOLTAGE



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CATB-3PH -9L20_FAULT_AT_CORDEL 755S

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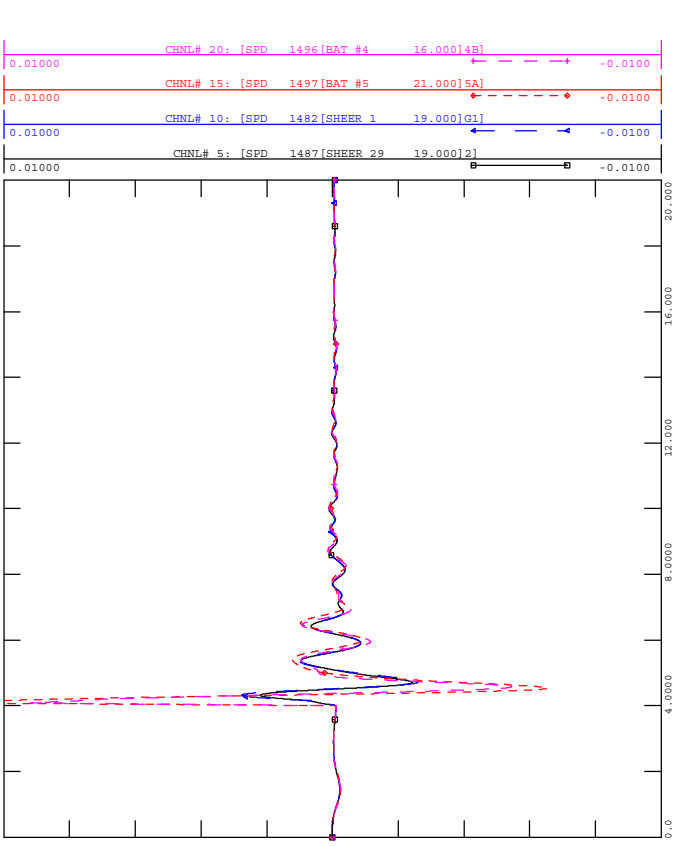
MON, NOV 21 2016 13:40

MACHINE SPEED

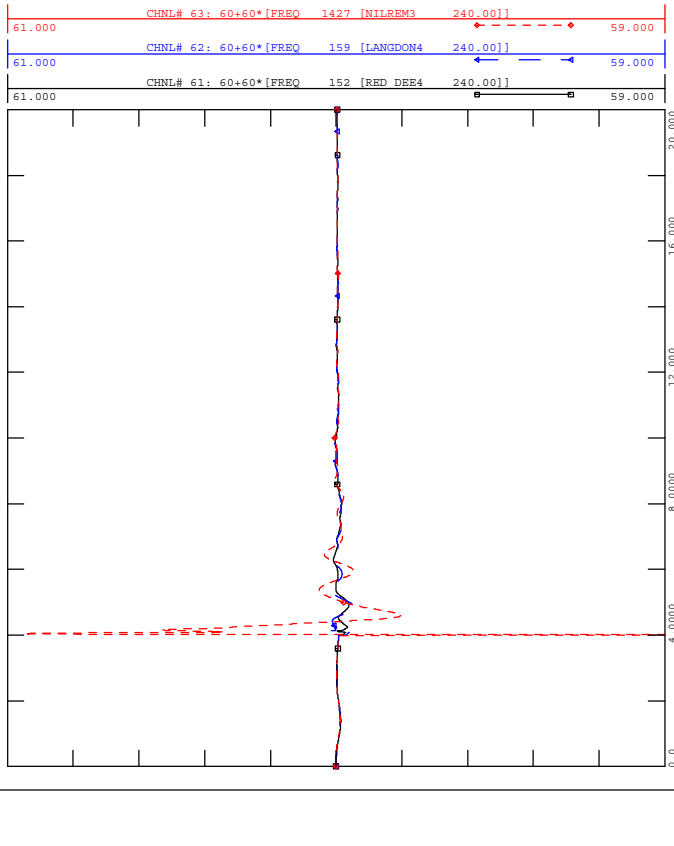


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

FREQUENCY



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

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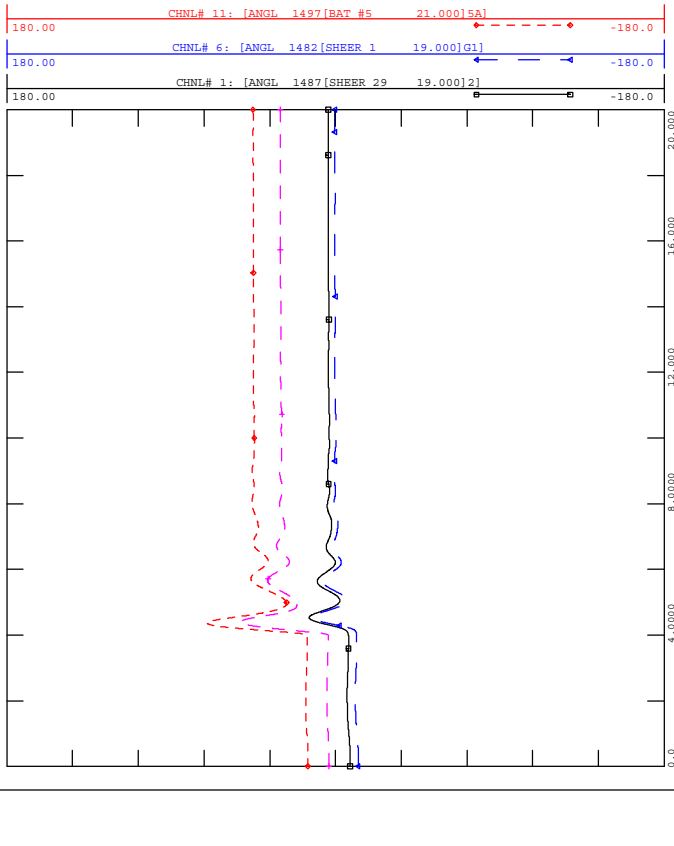
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

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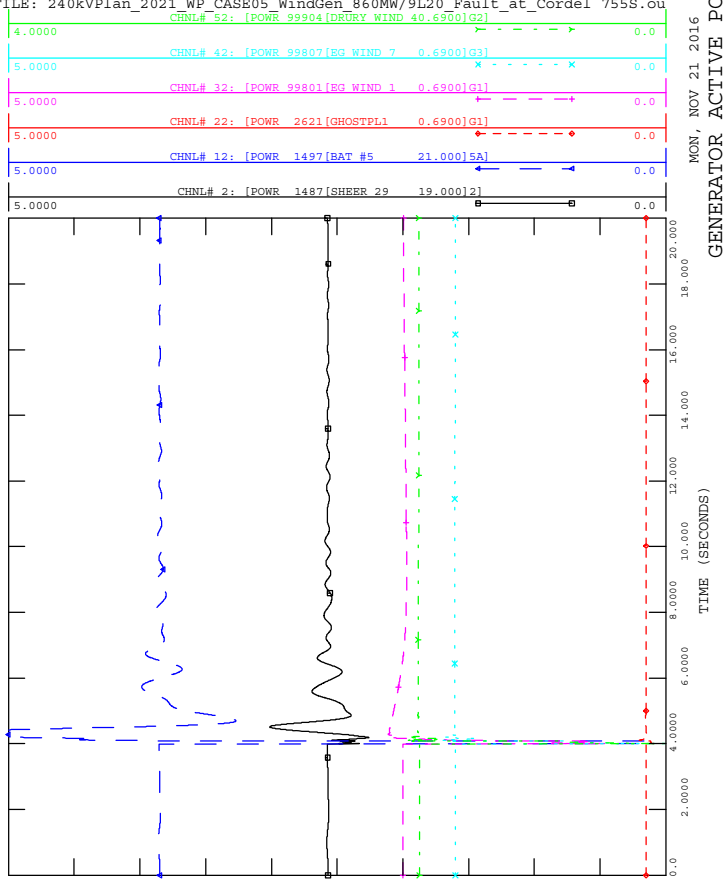

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

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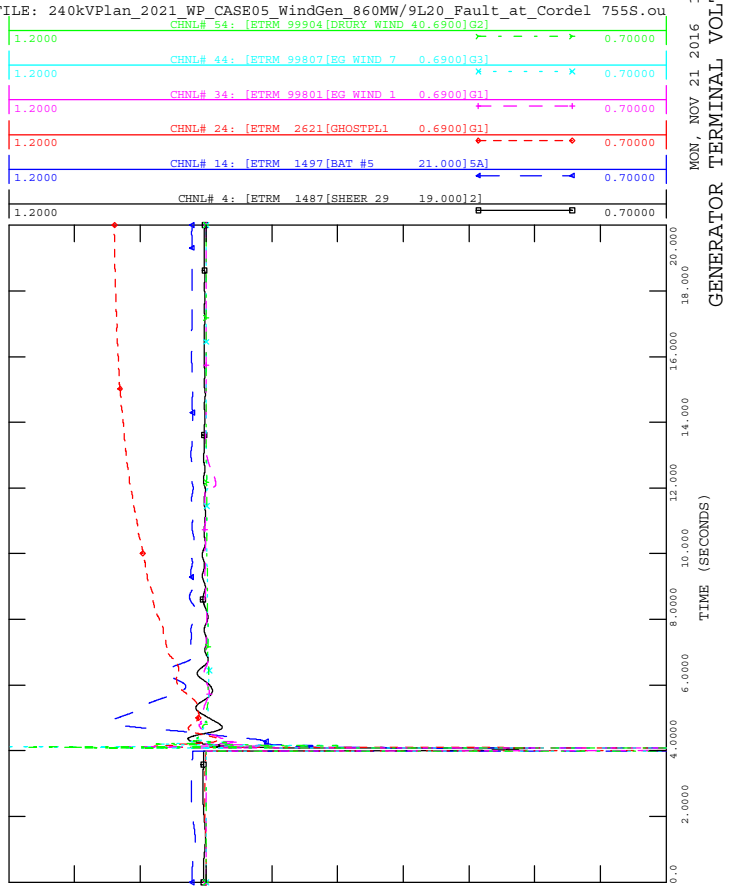

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

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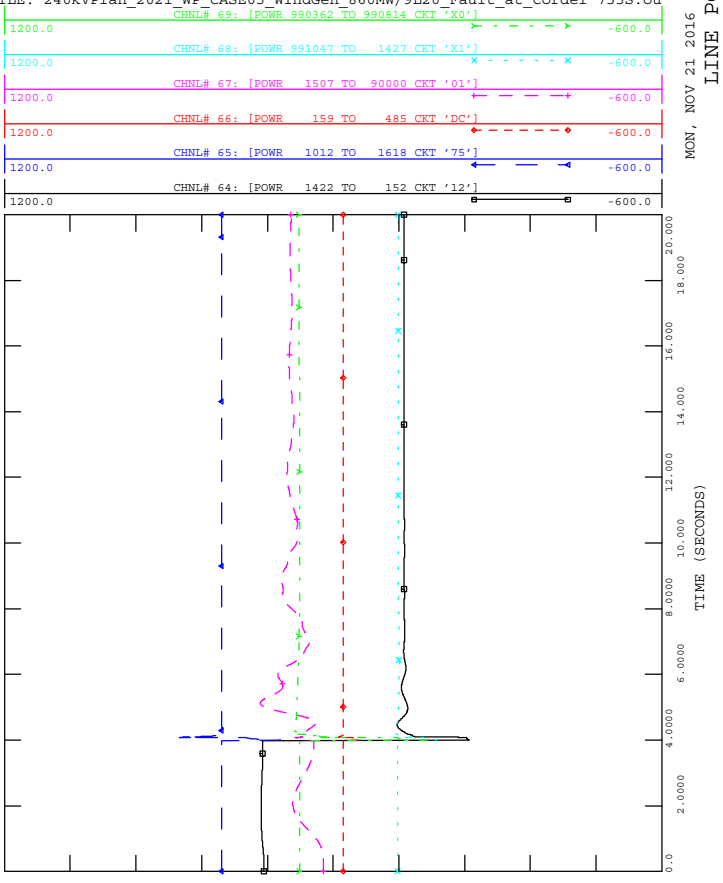

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L20_FAULT_AT_CORDEL 755S

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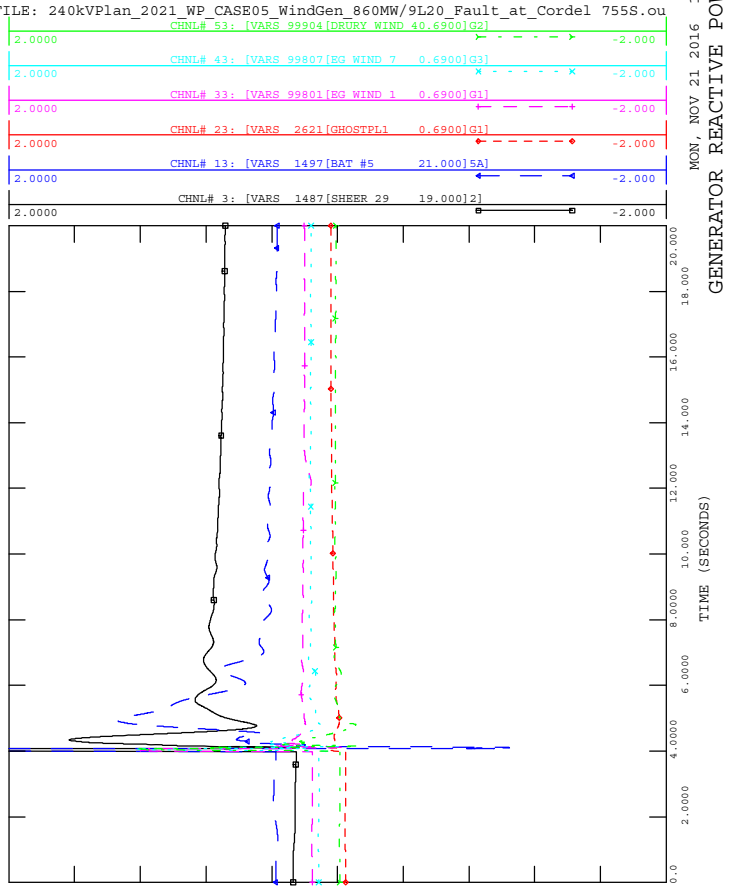
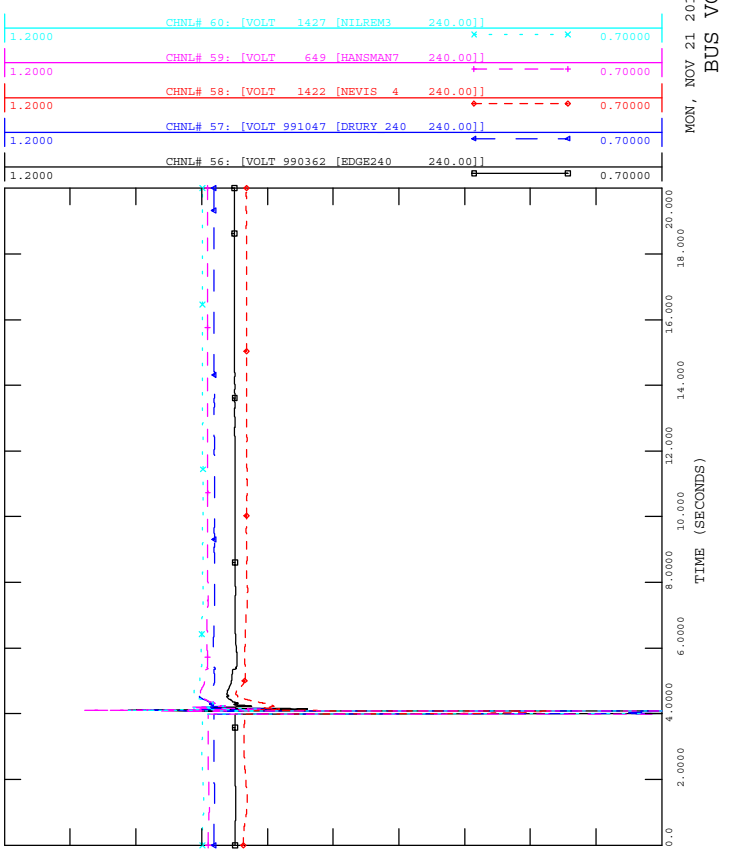


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

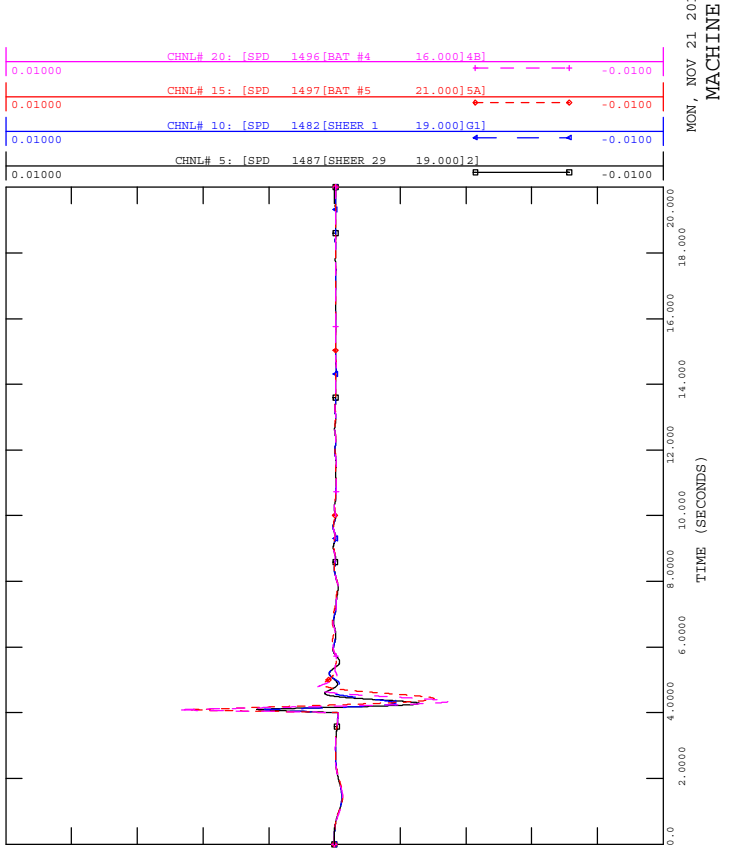


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:40

MACHINE SPEED

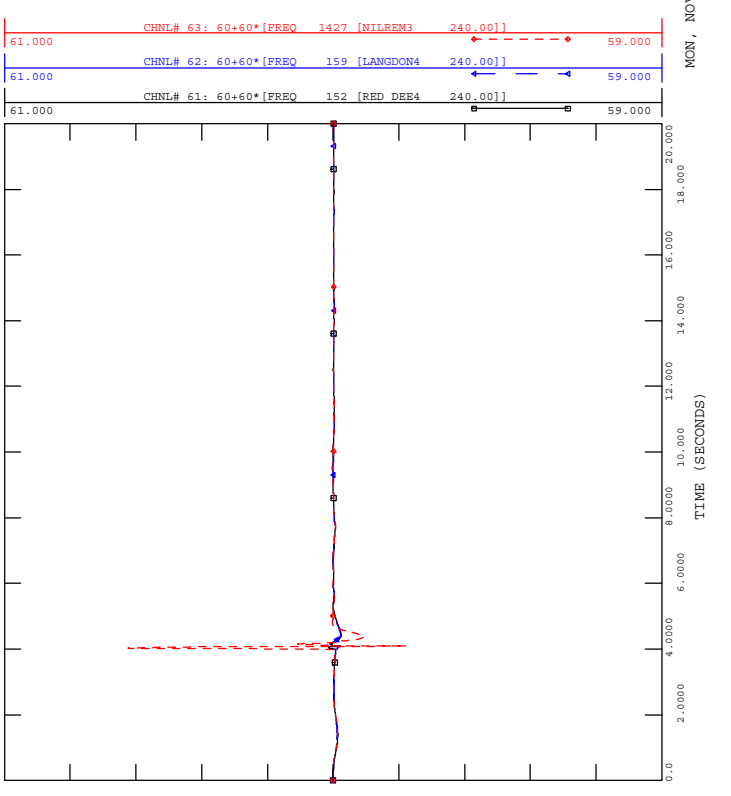


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:40

FREQUENCY

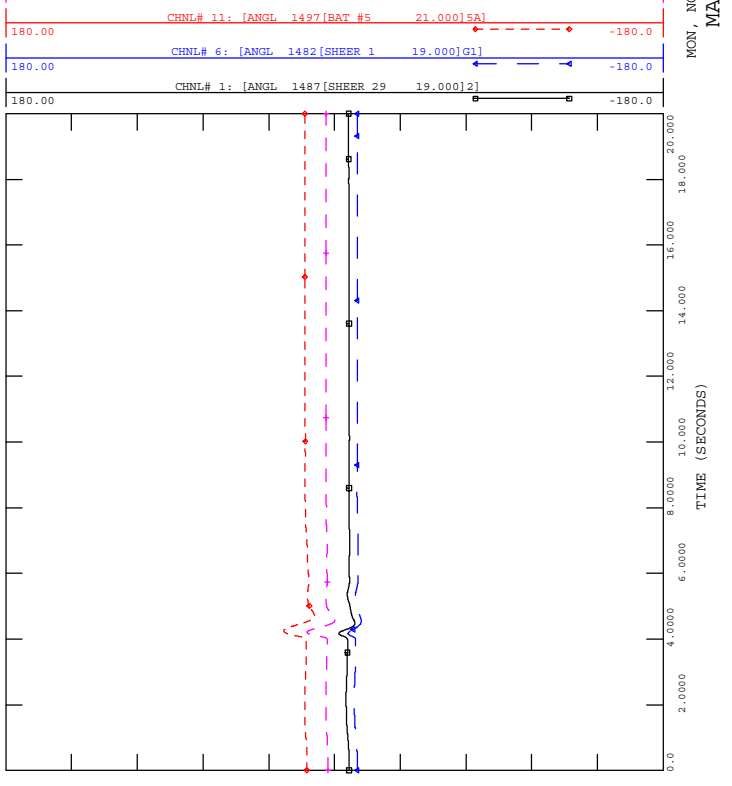


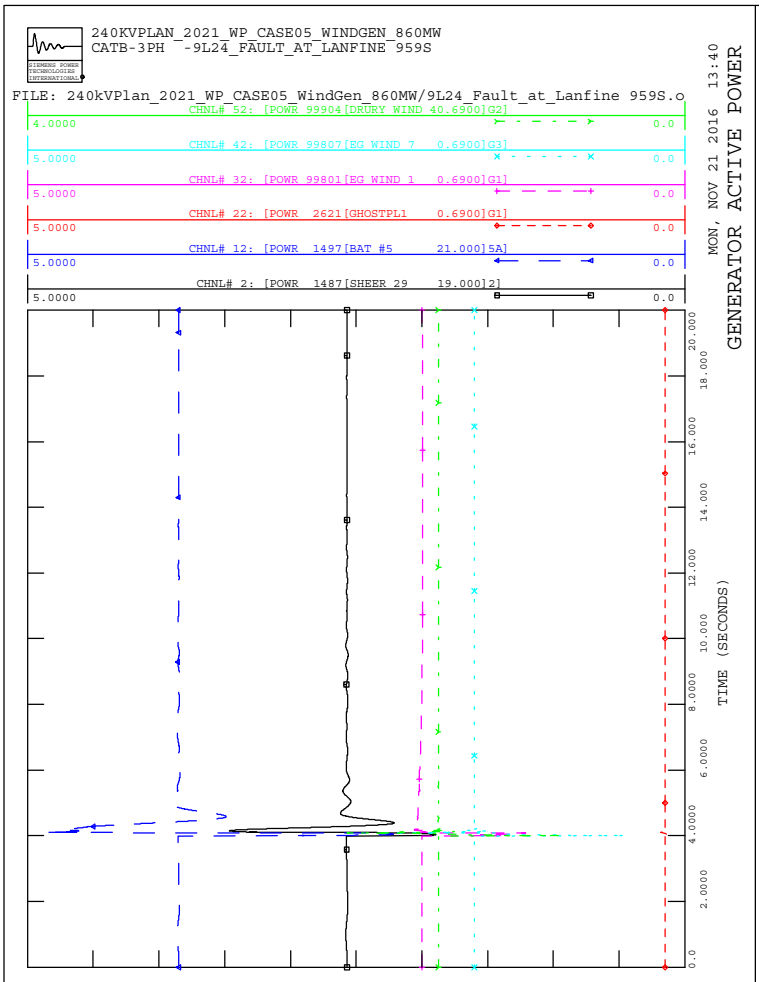
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S

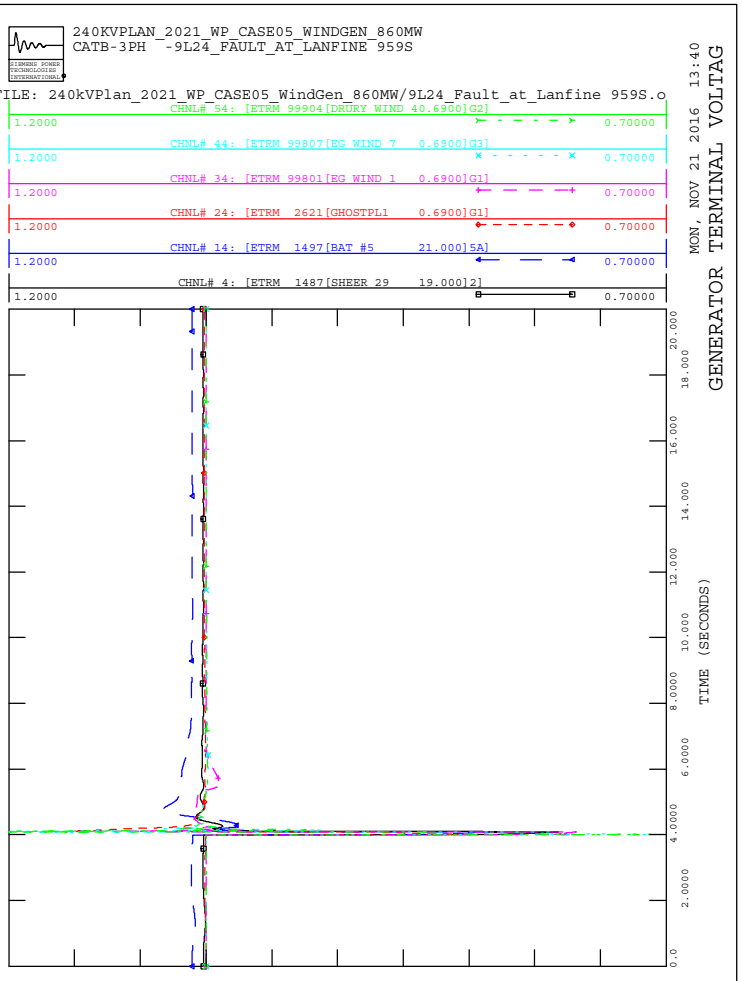
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:40

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
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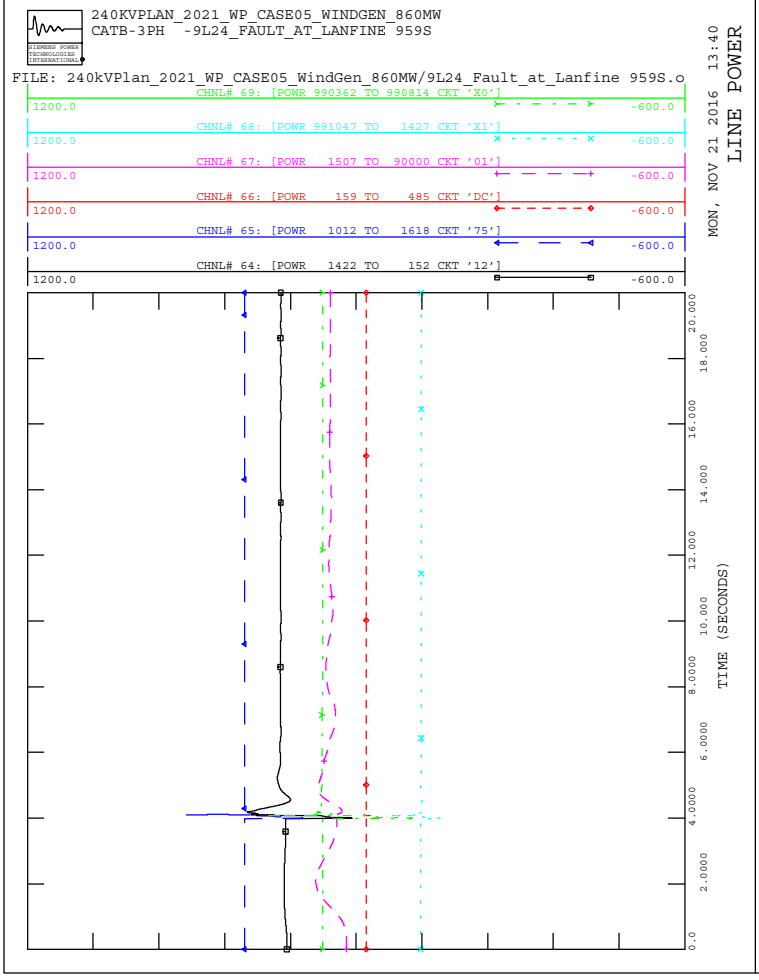
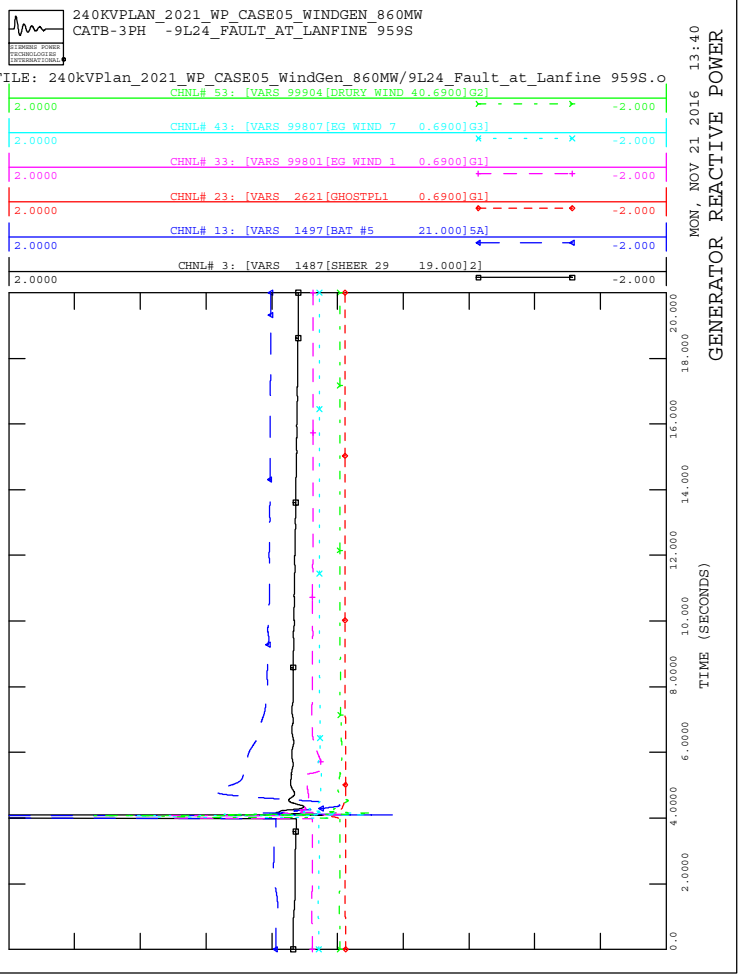
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

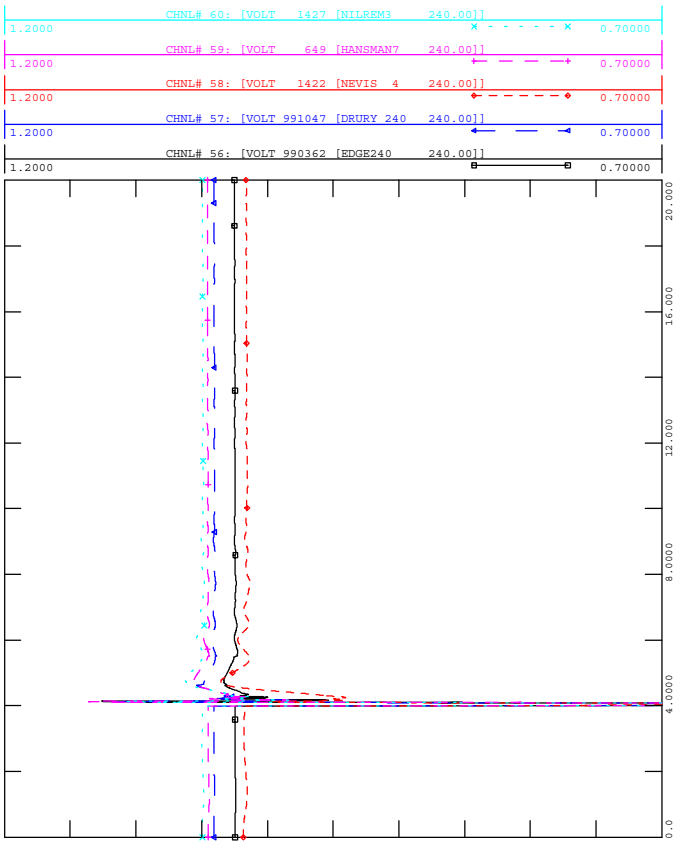

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

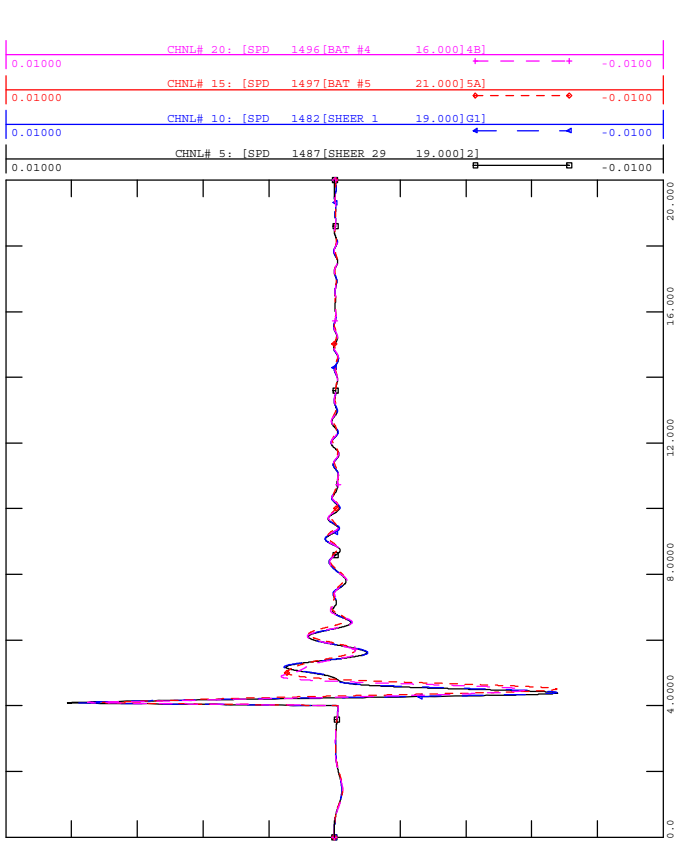


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

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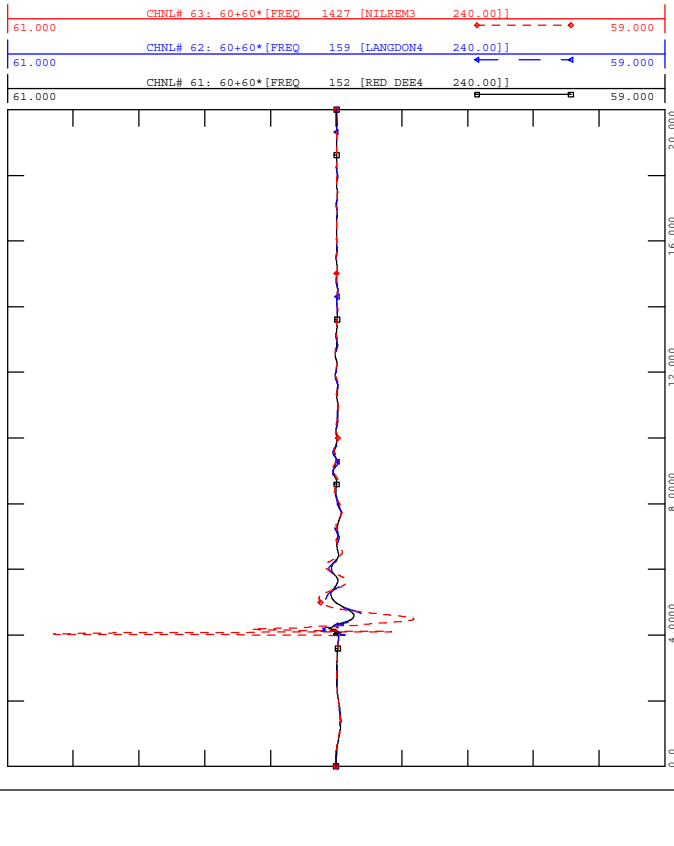
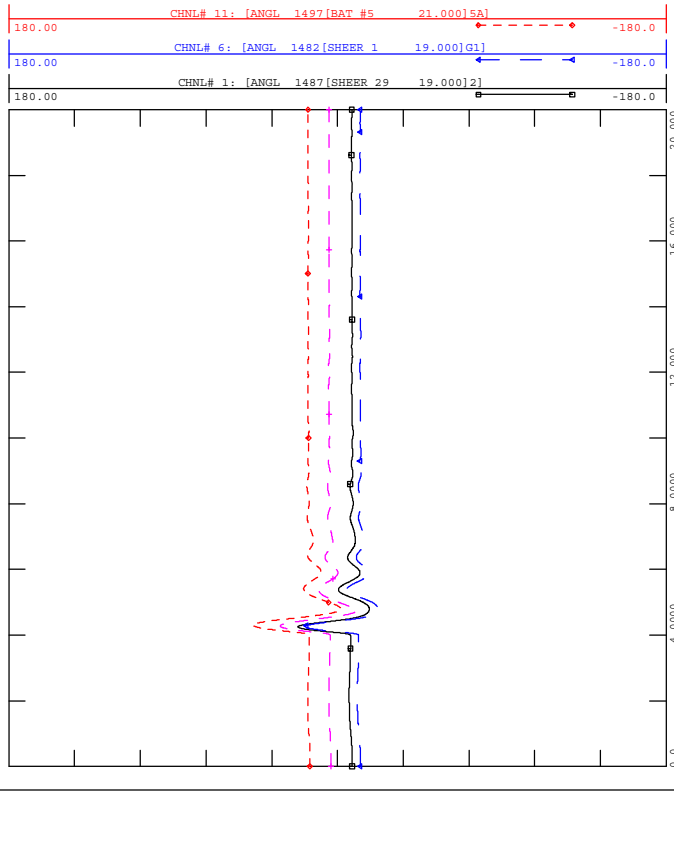


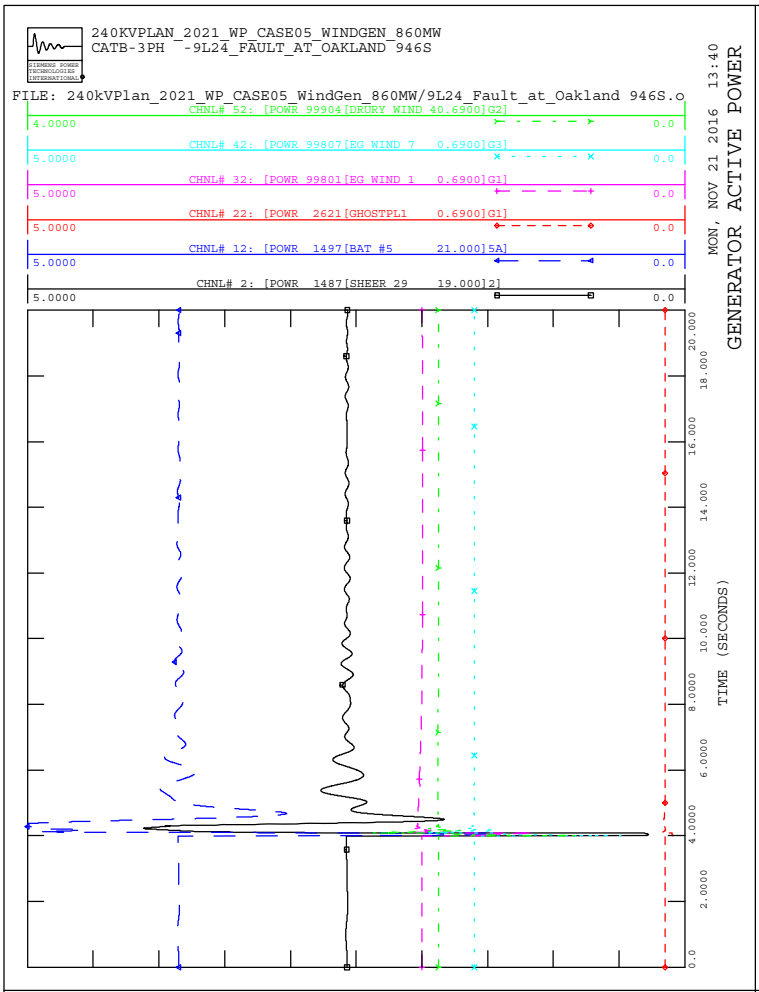
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S

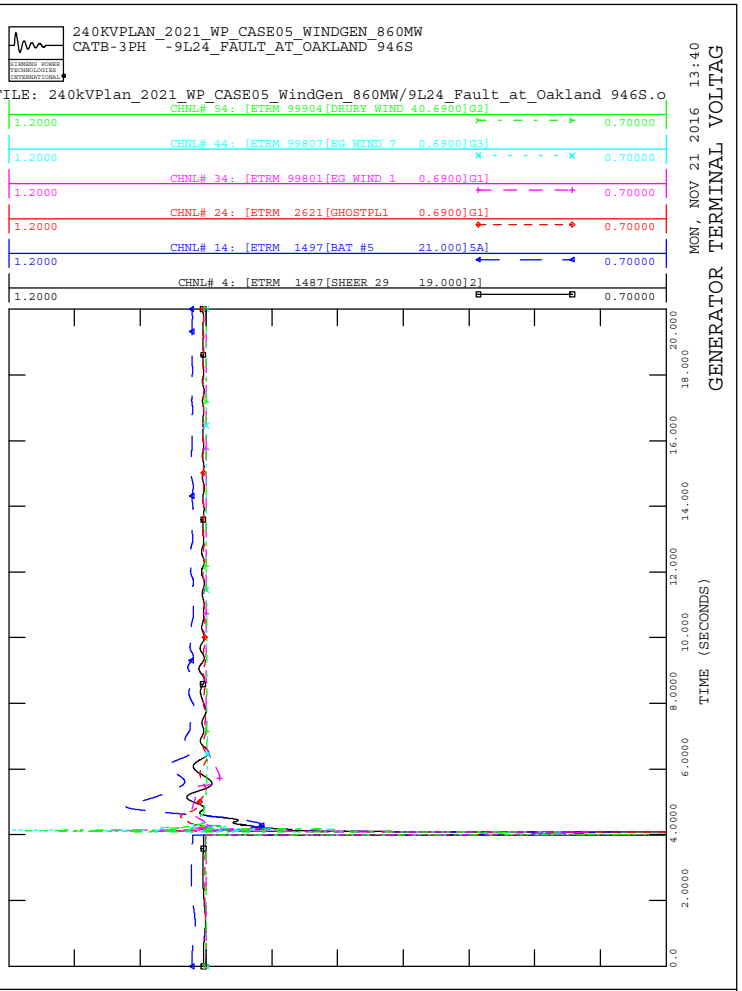
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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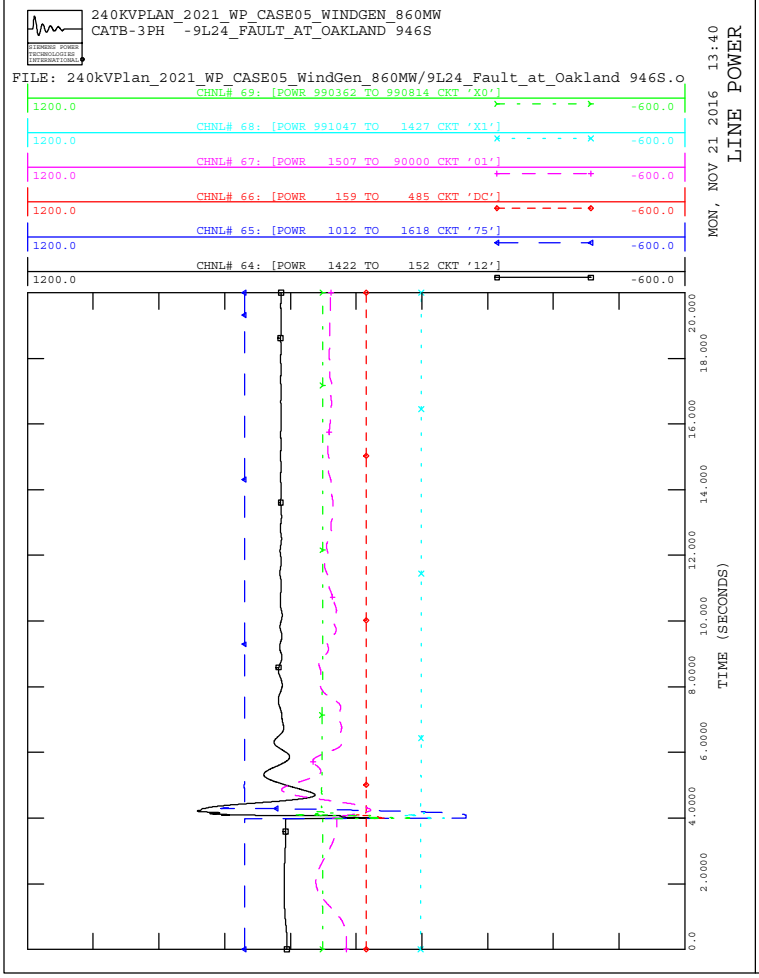
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)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CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
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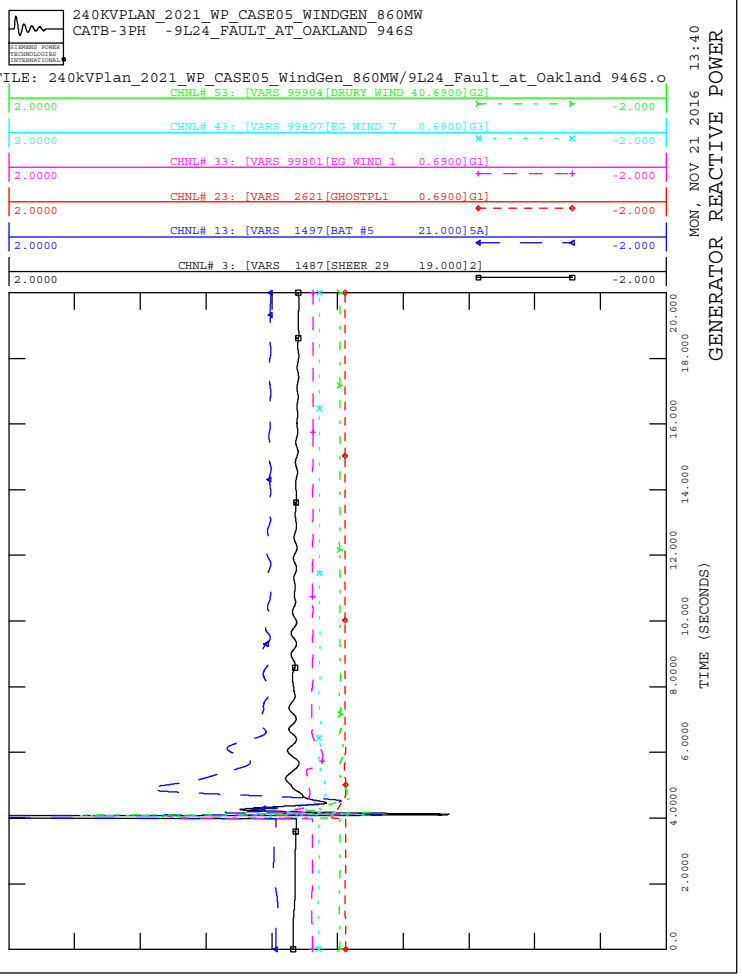
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)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CATB-3PH -9L24_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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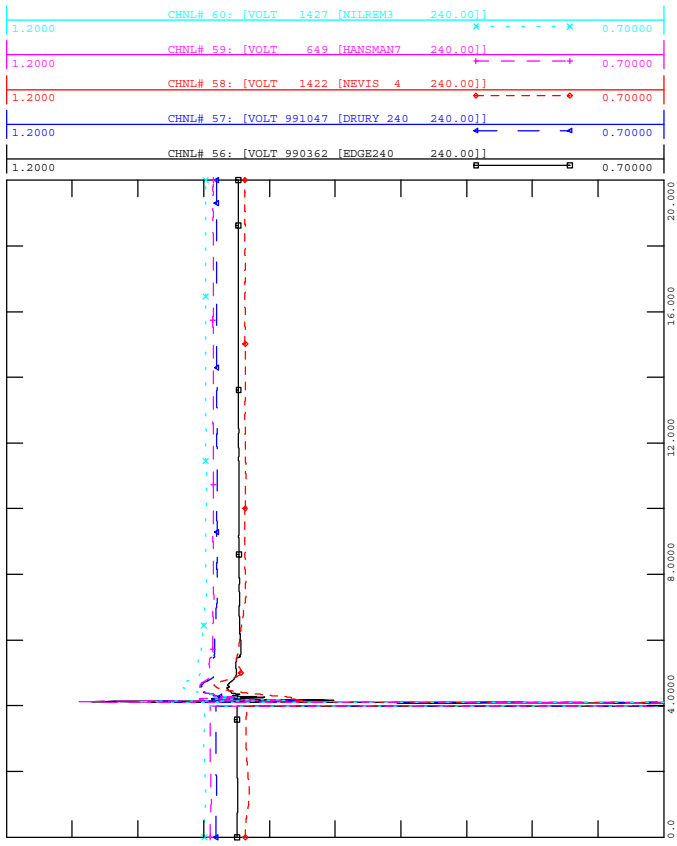
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 13:40

BUS VOLTAGE

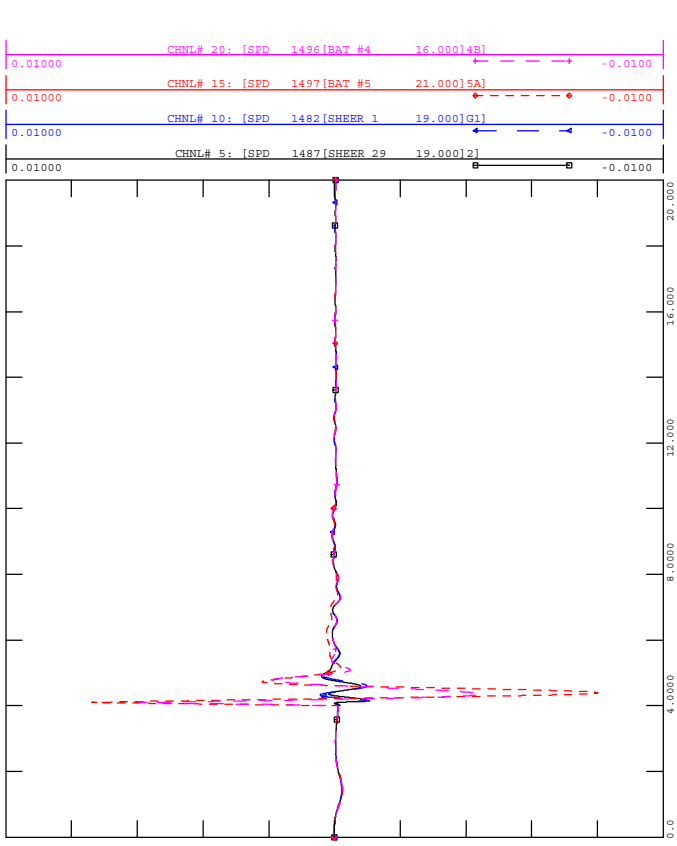


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 13:40

MACHINE SPEED

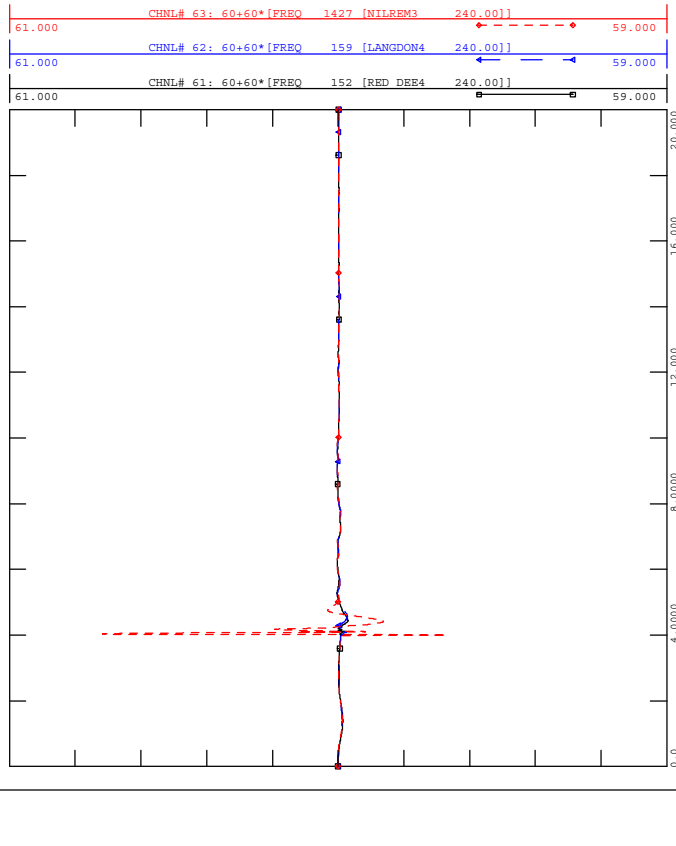


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 13:40

FREQUENCY

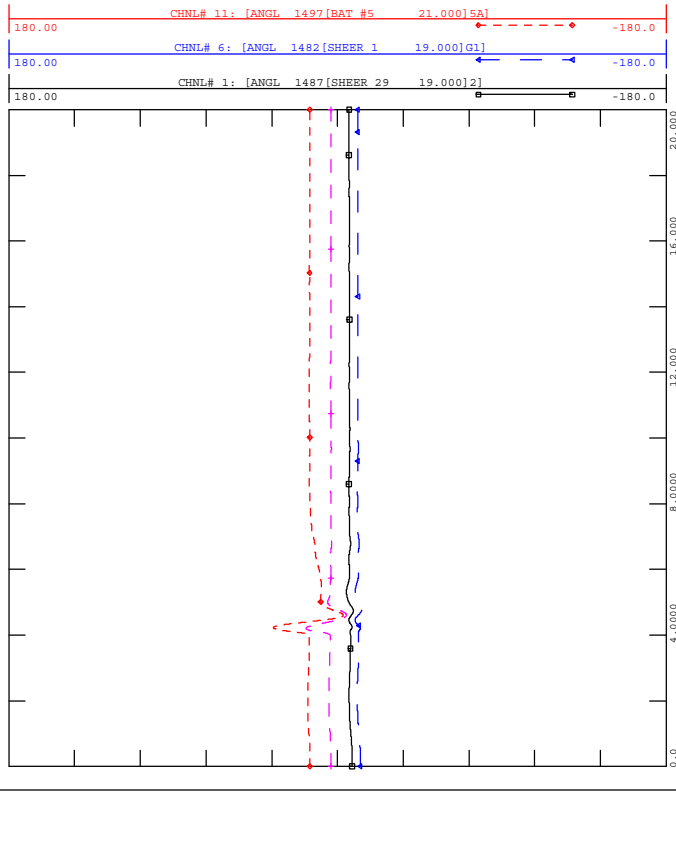


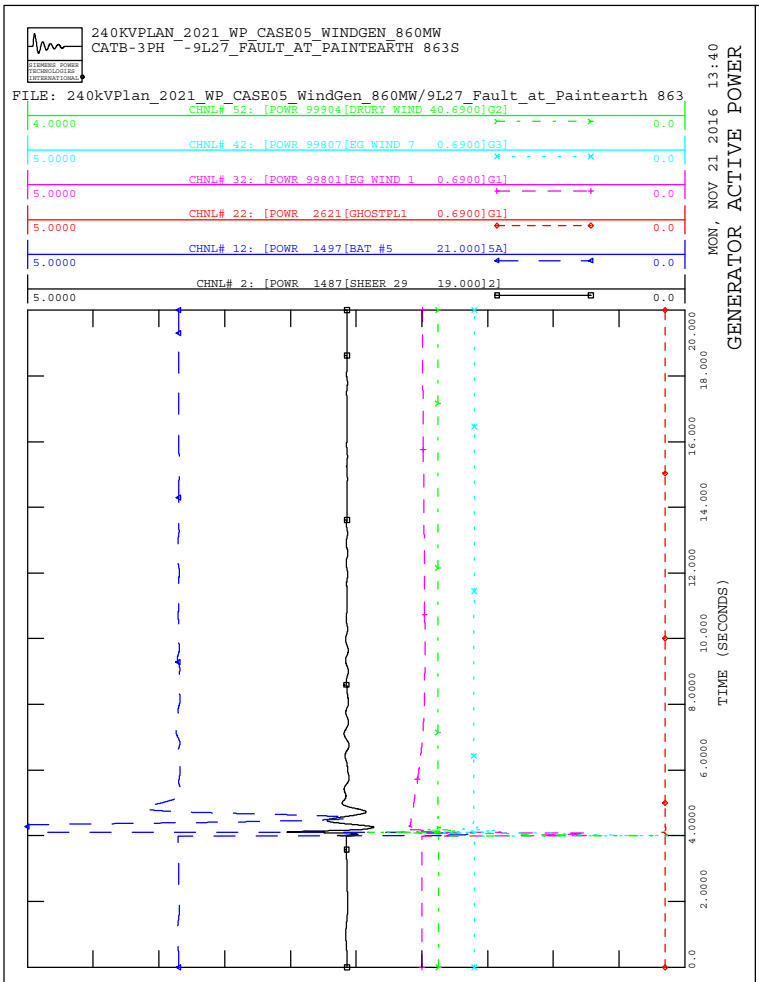
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 13:40

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
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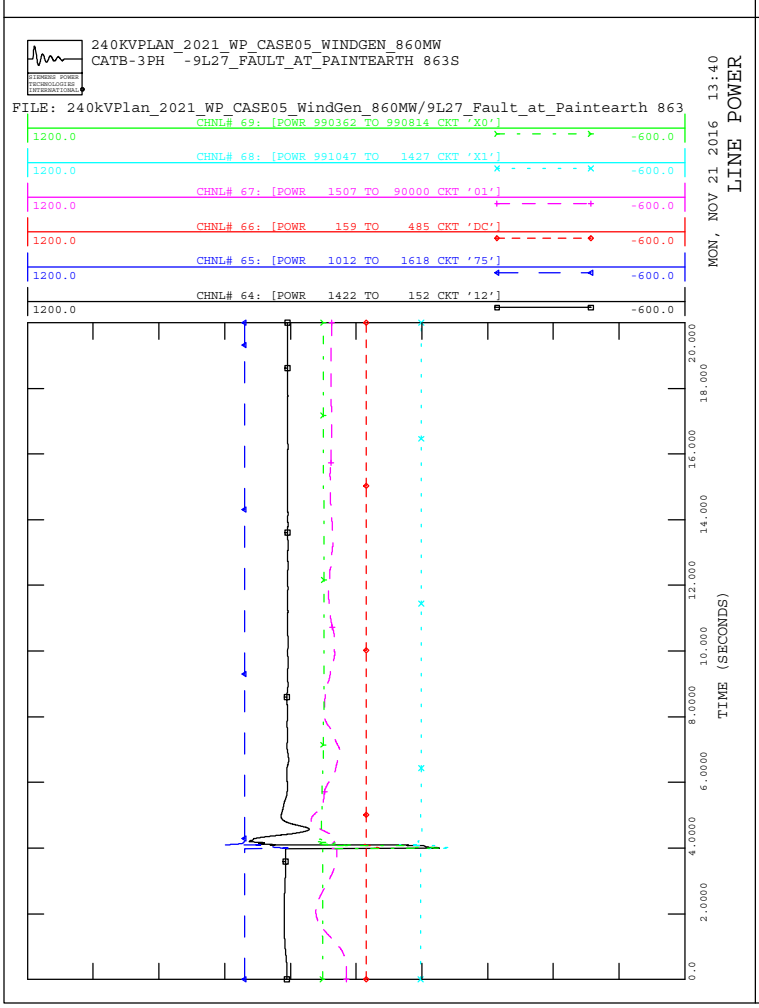
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
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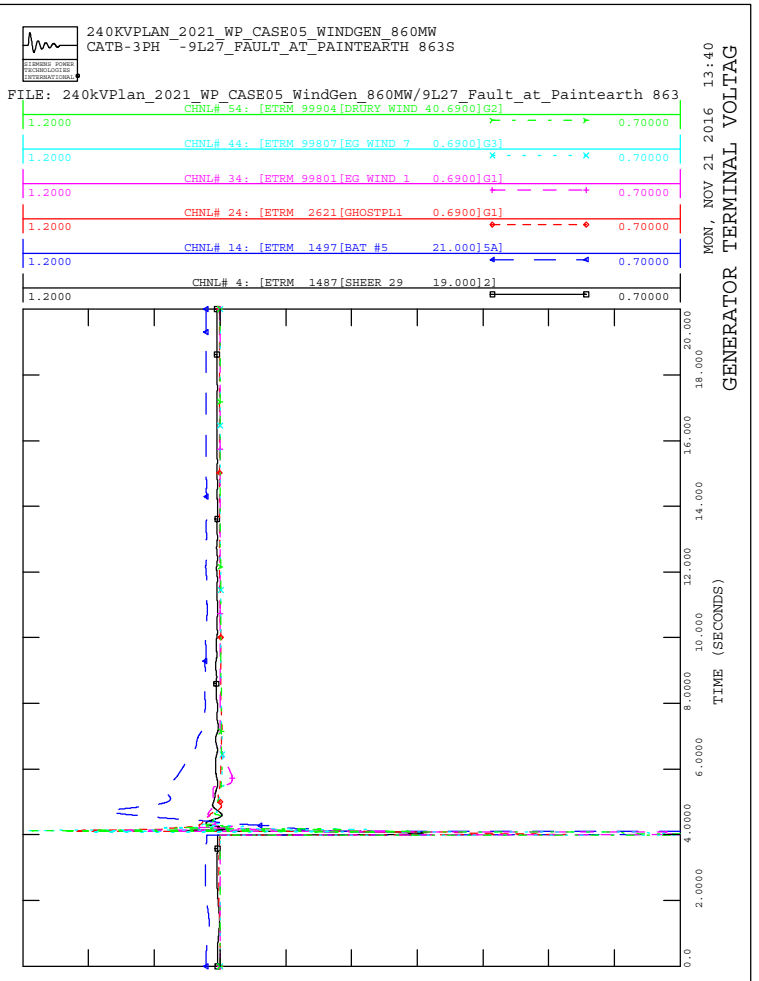
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
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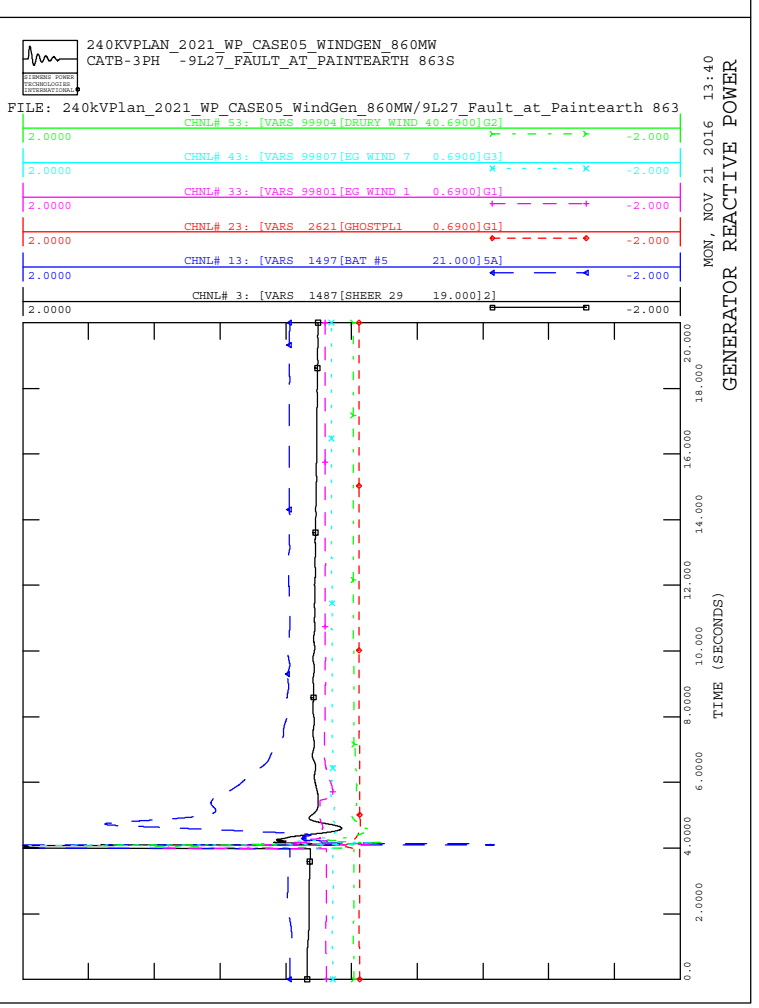
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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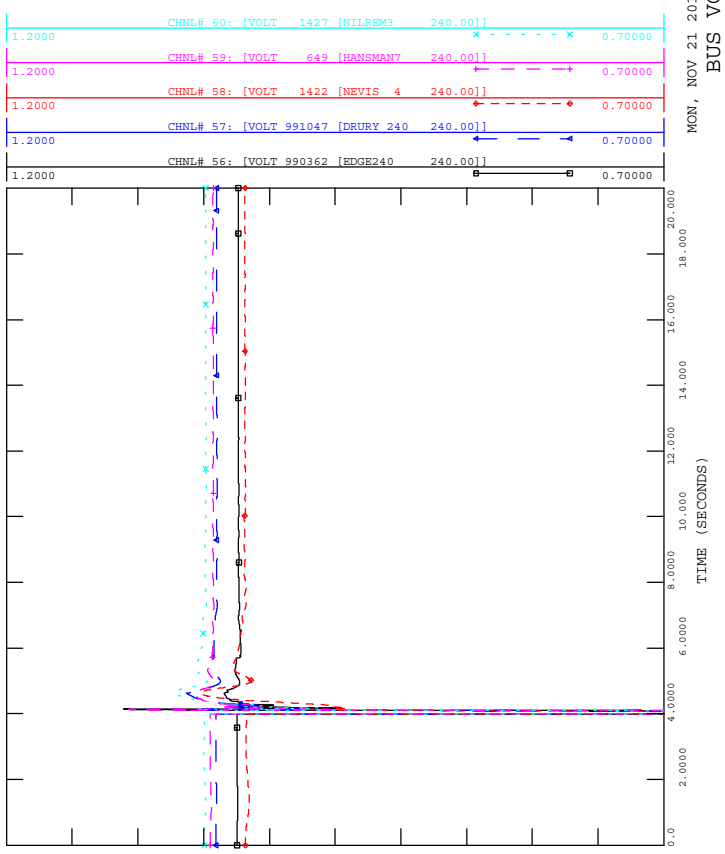
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

BUS VOLTAGE

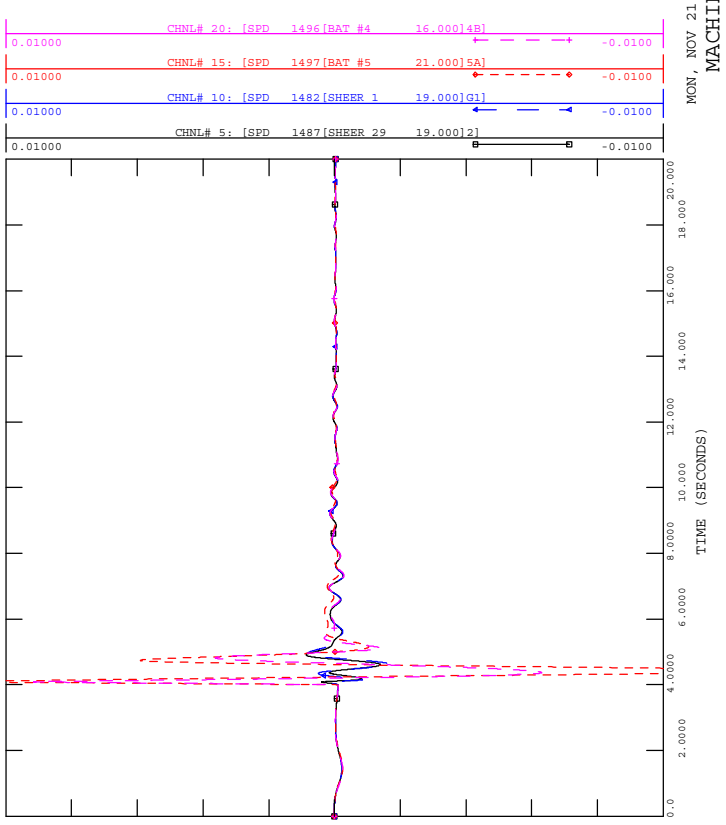


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

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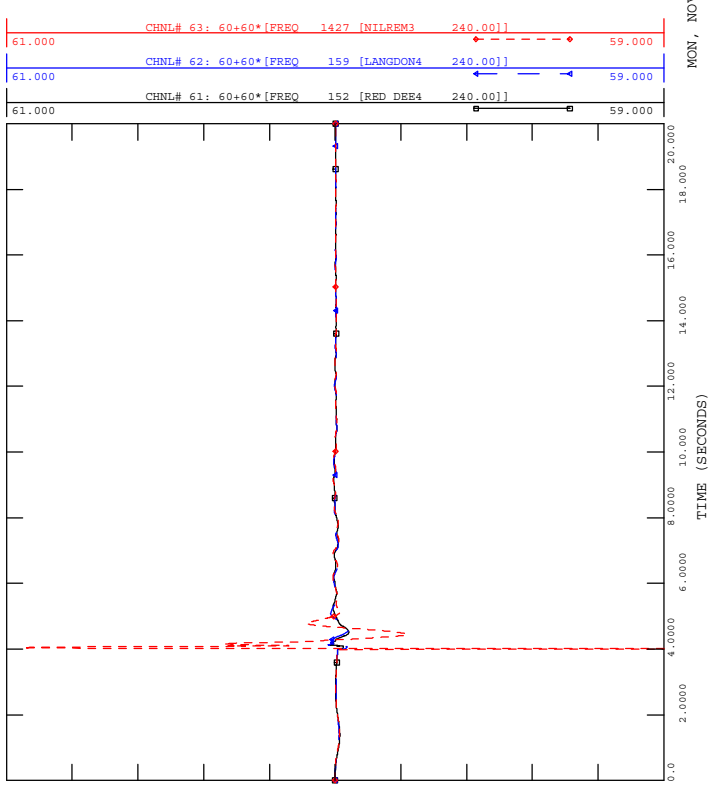

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

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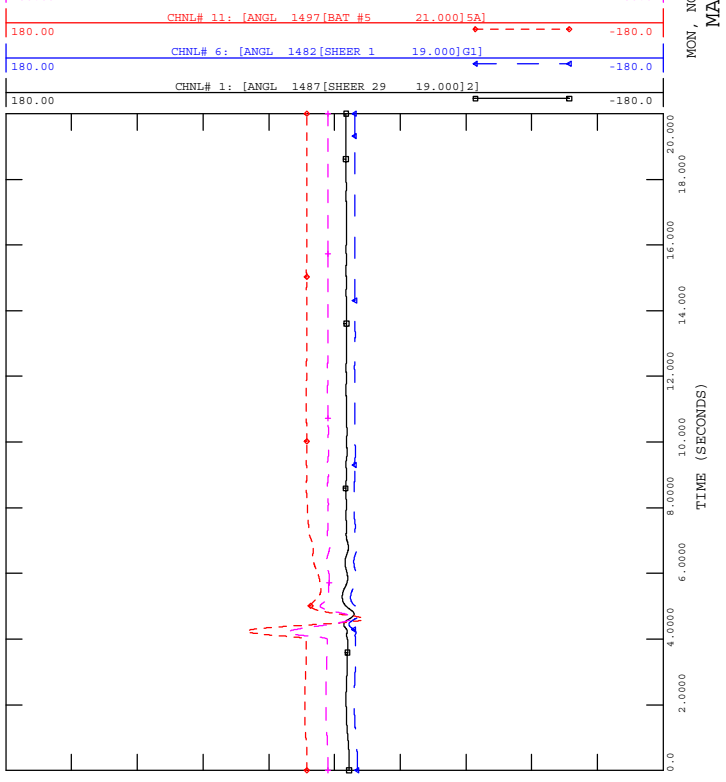
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

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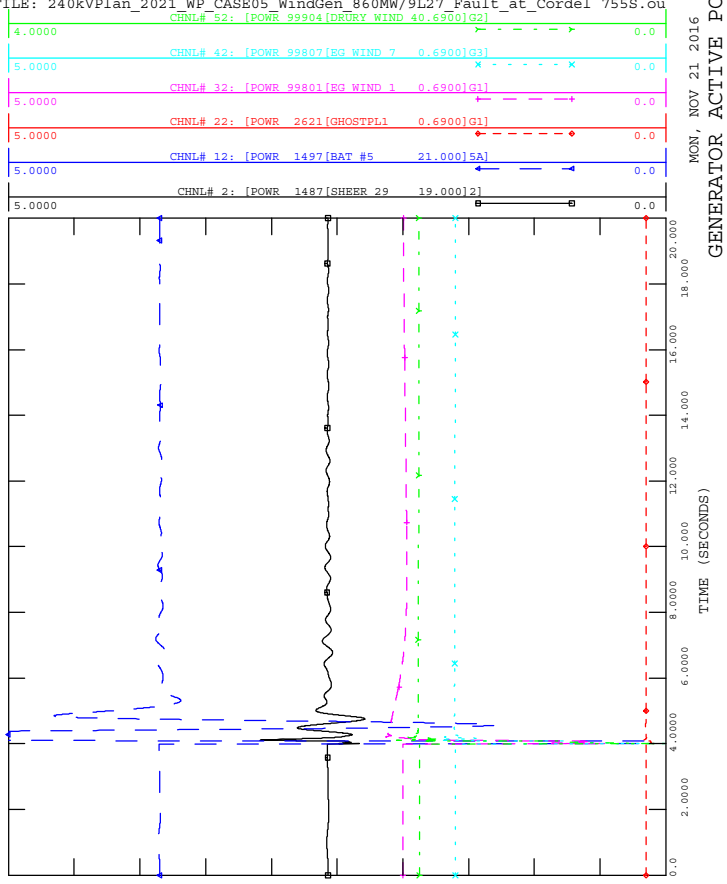

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

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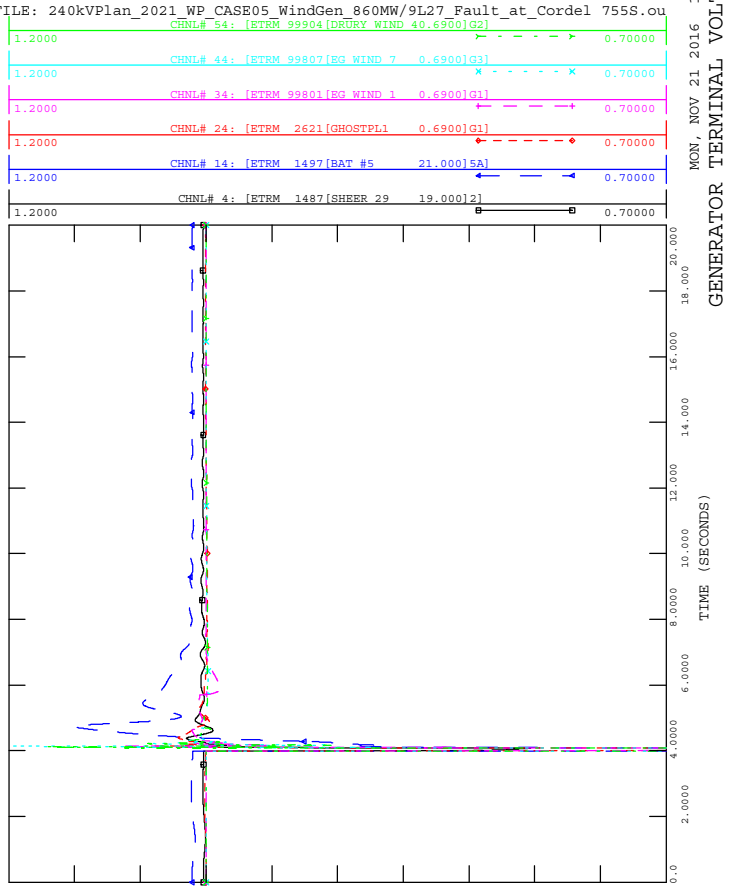

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

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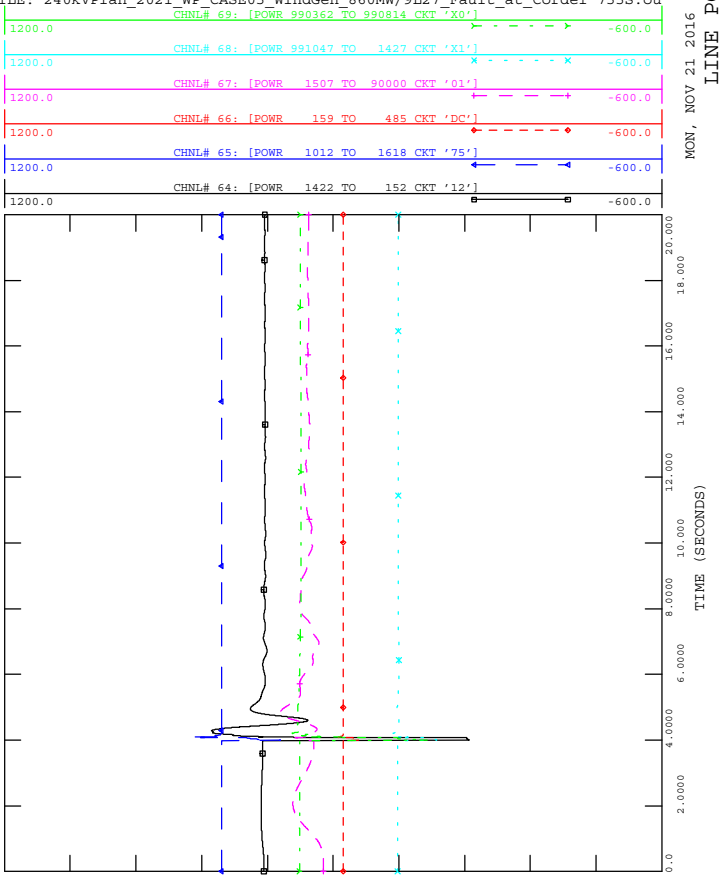
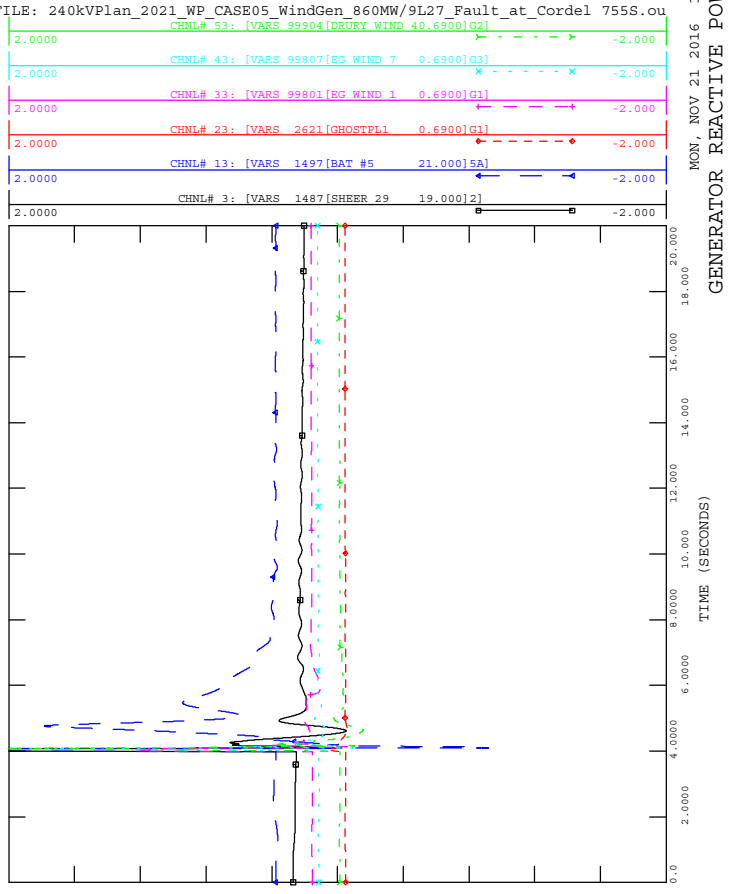


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

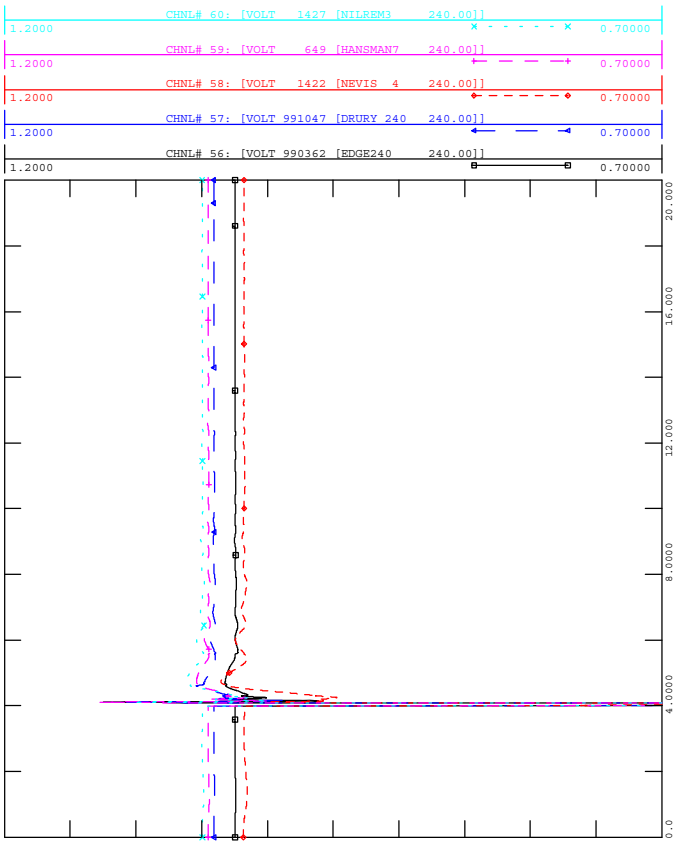


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

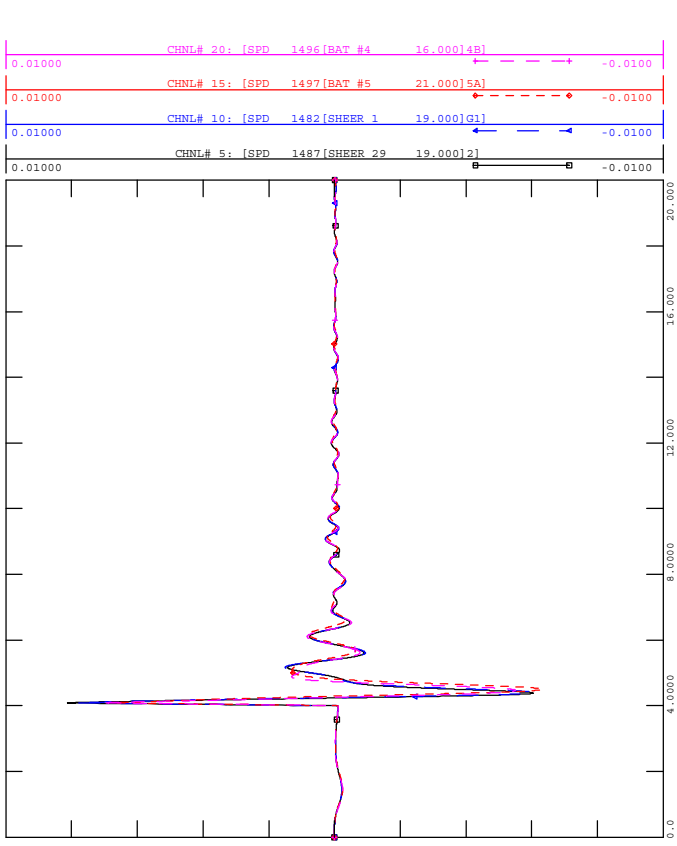


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

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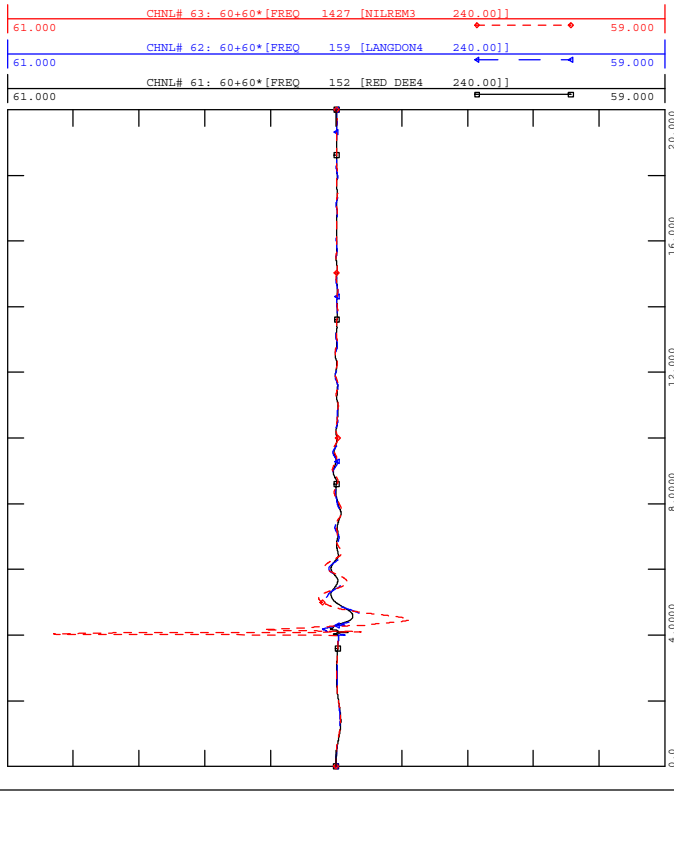
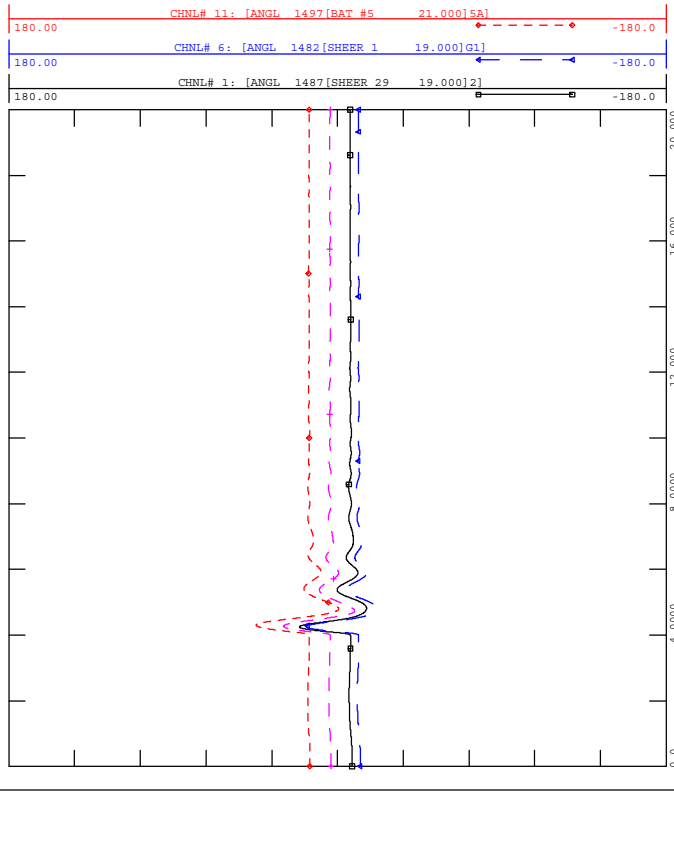


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

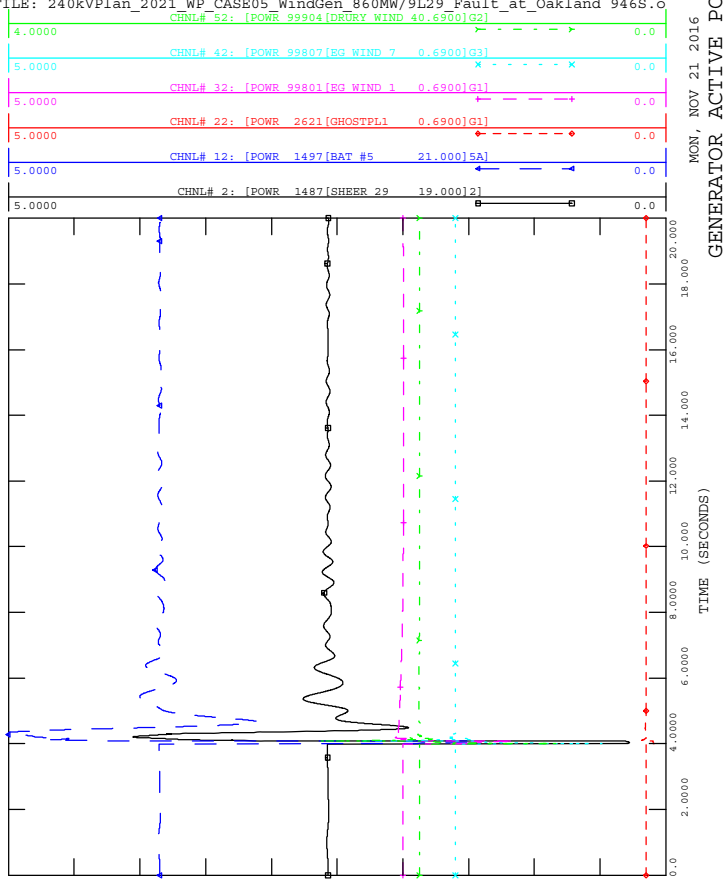
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

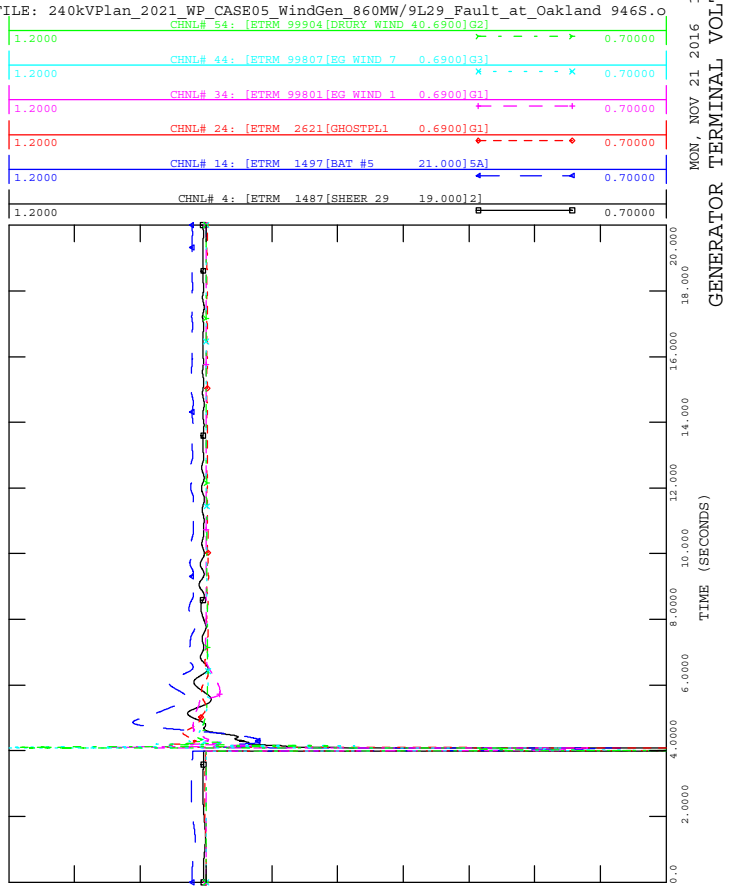
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

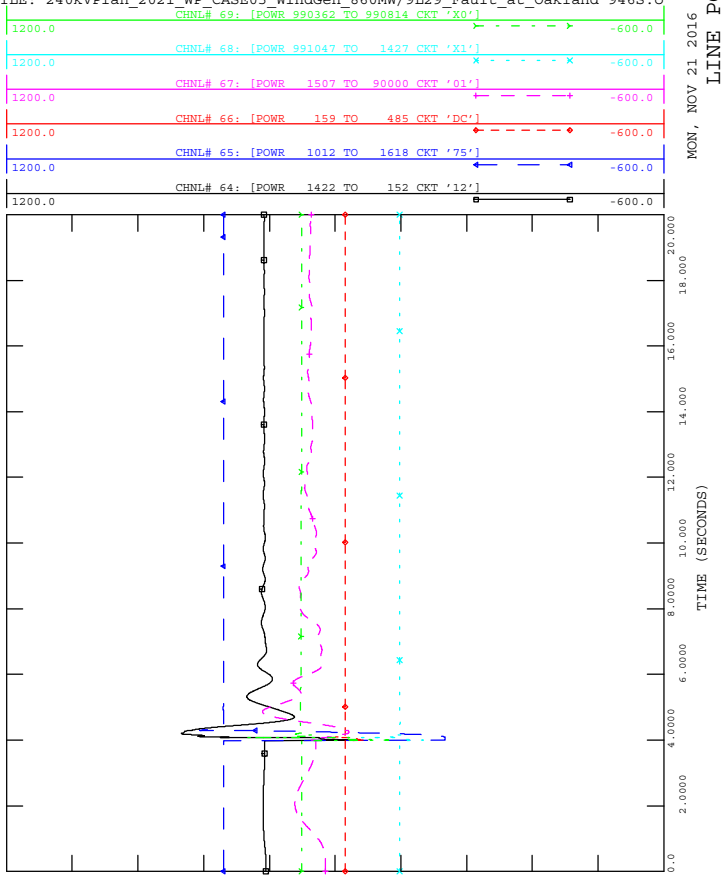
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

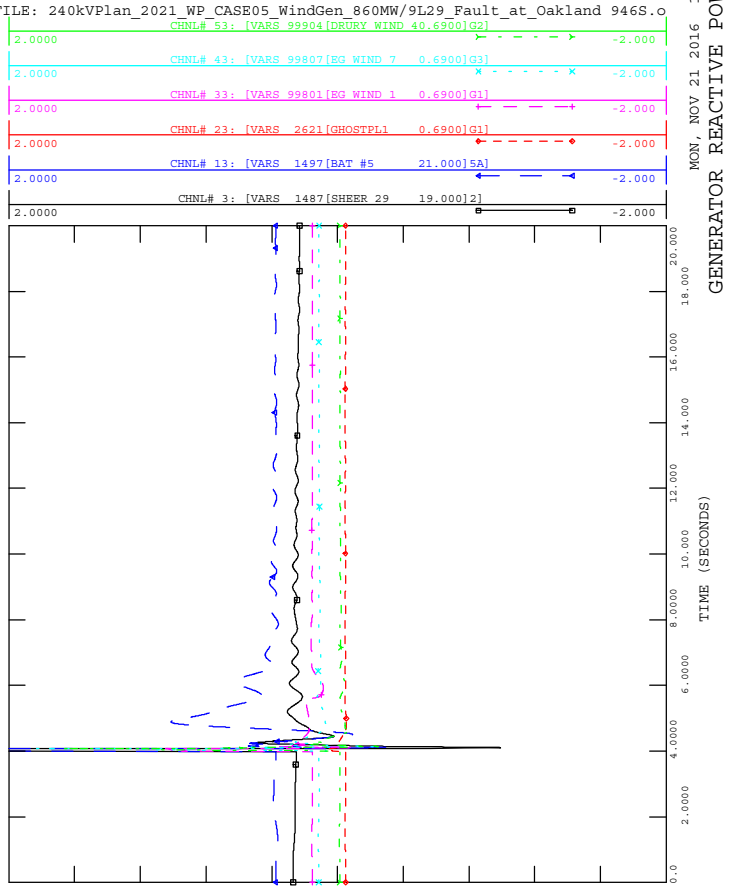
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o



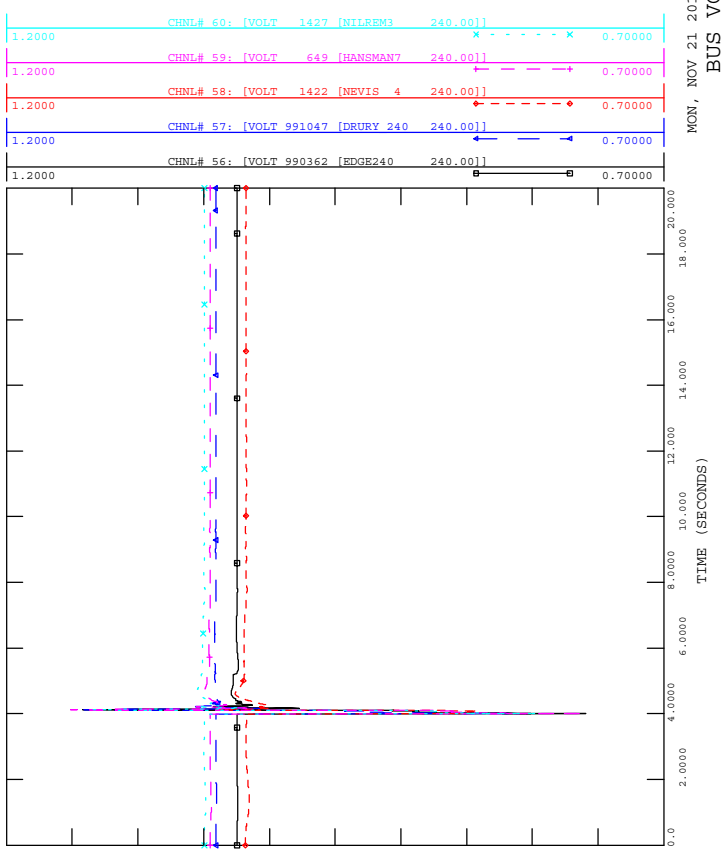
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96

MON, NOV 21 2016 13:40

BUS VOLTAGE

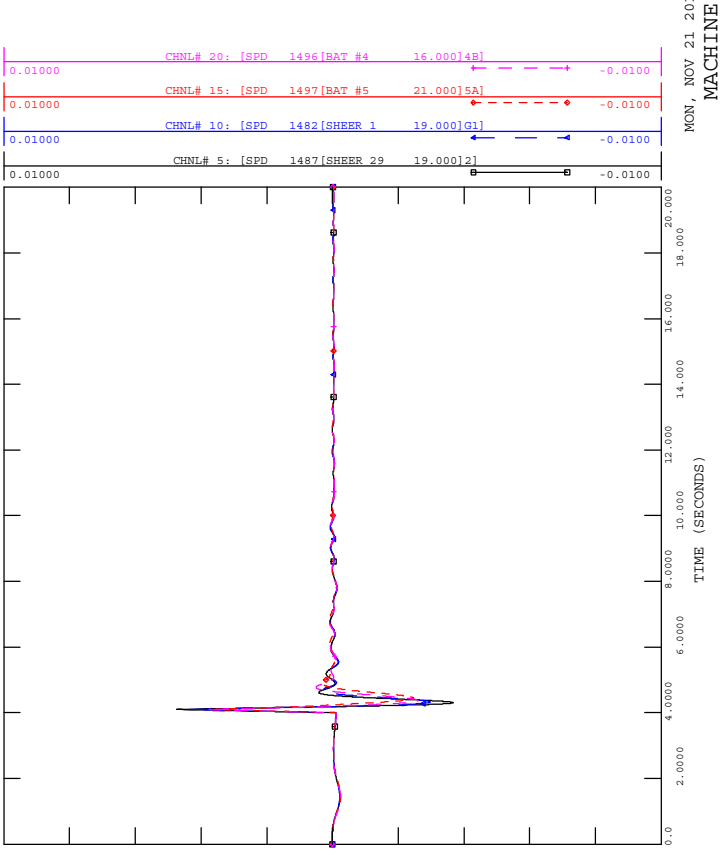


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96

MON, NOV 21 2016 13:40

MACHINE SPEED

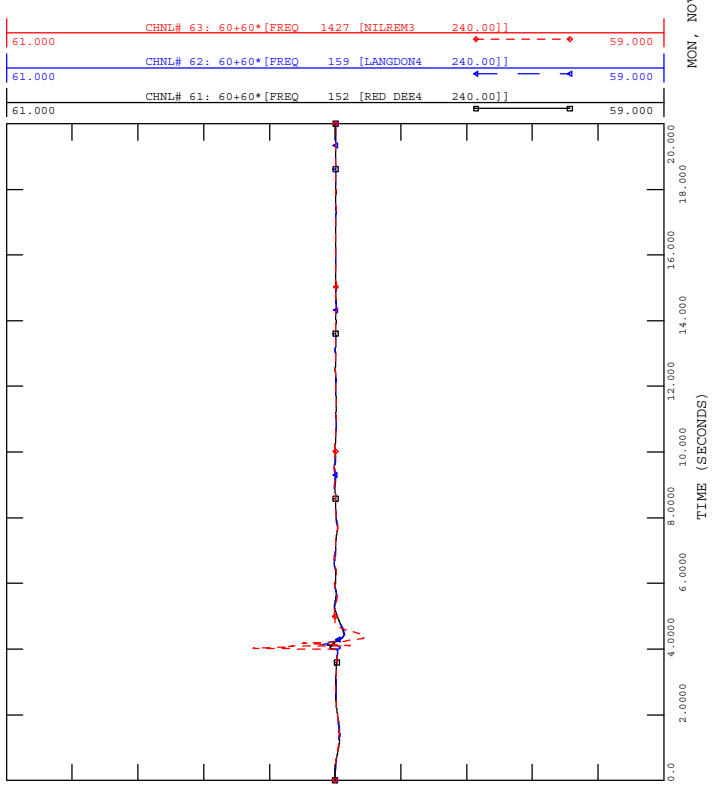


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96

MON, NOV 21 2016 13:40

FREQUENCY

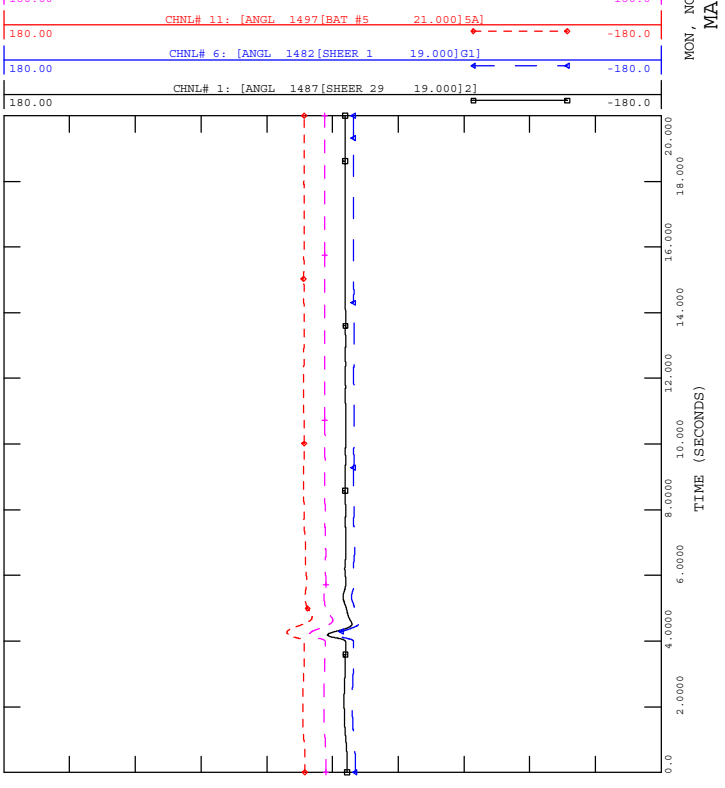


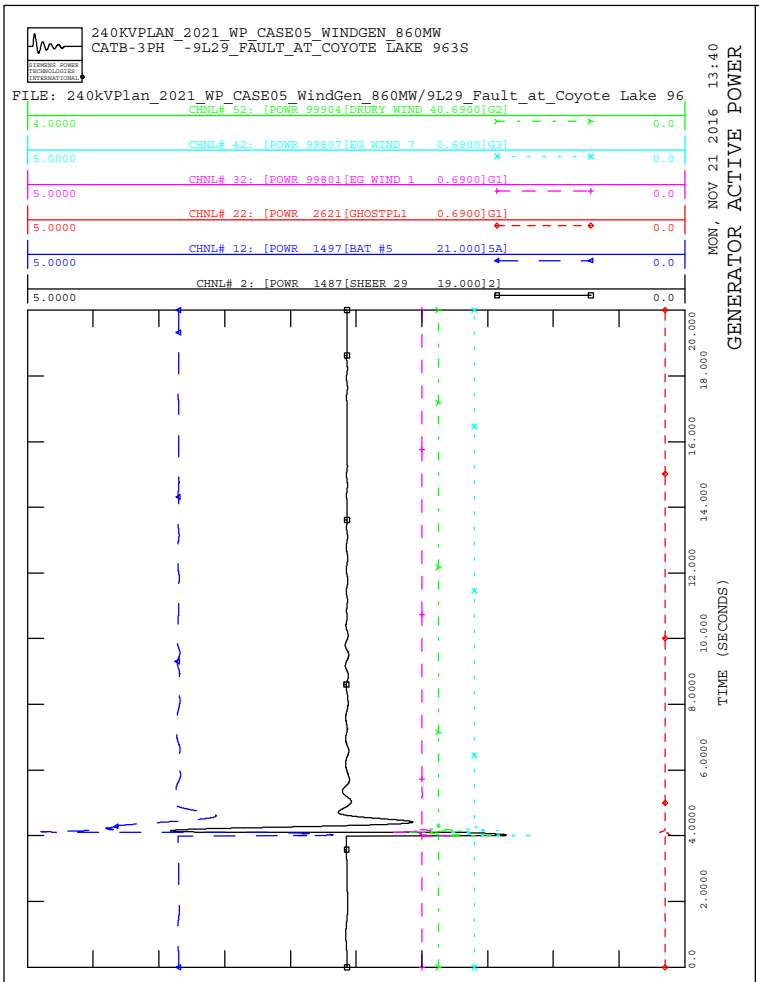
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S

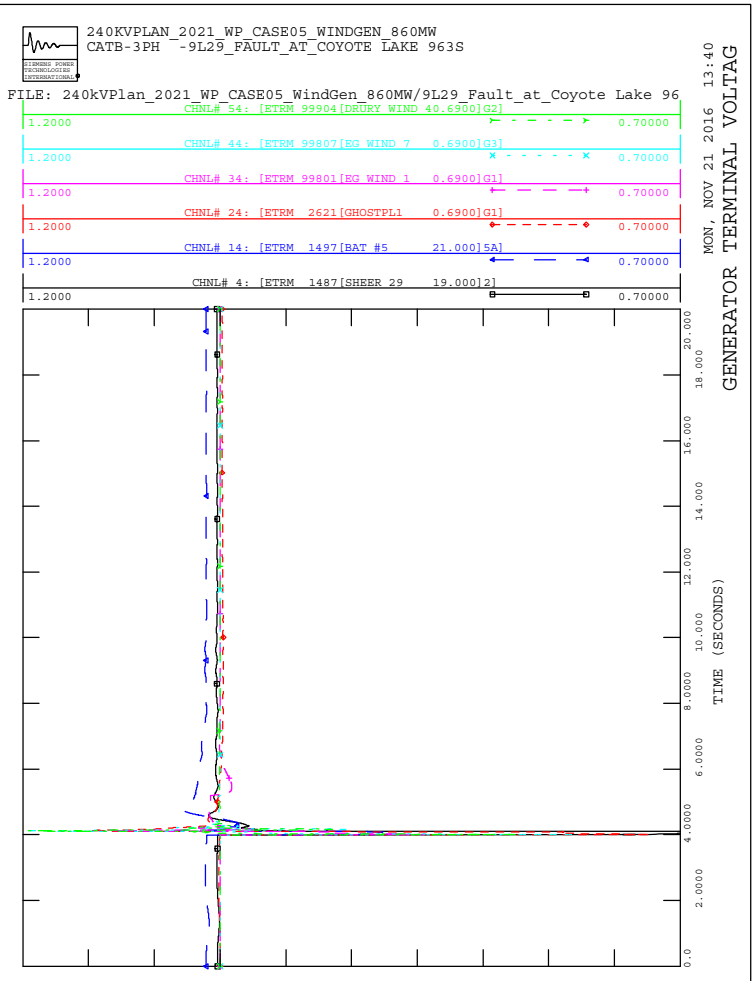
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96

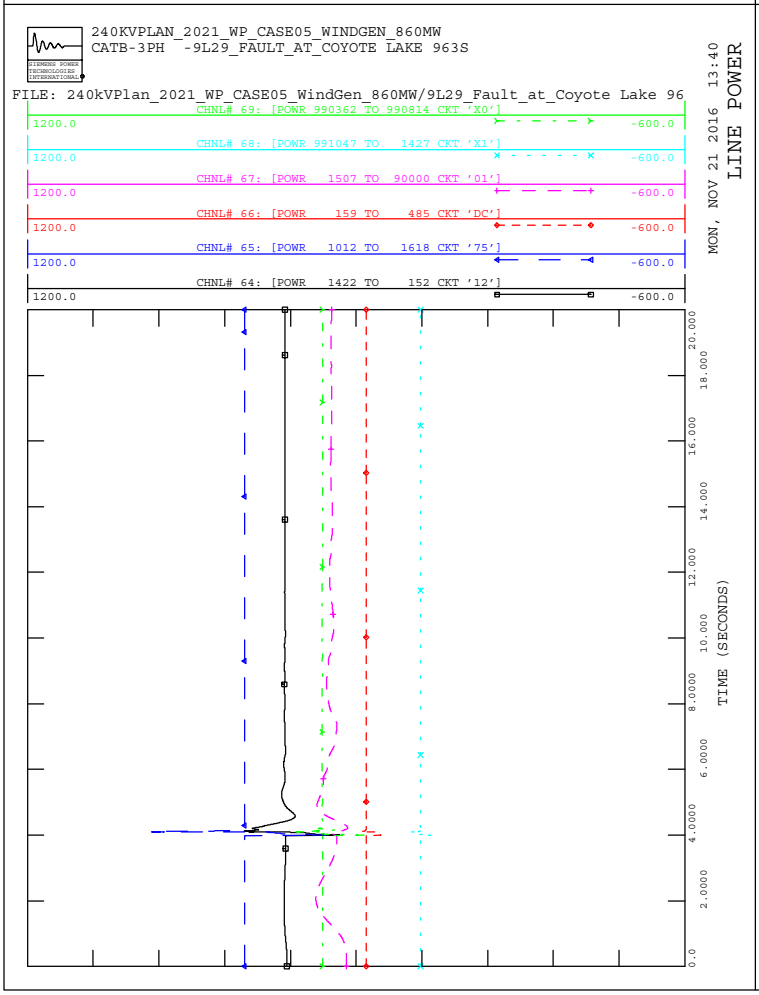
MON, NOV 21 2016 13:40

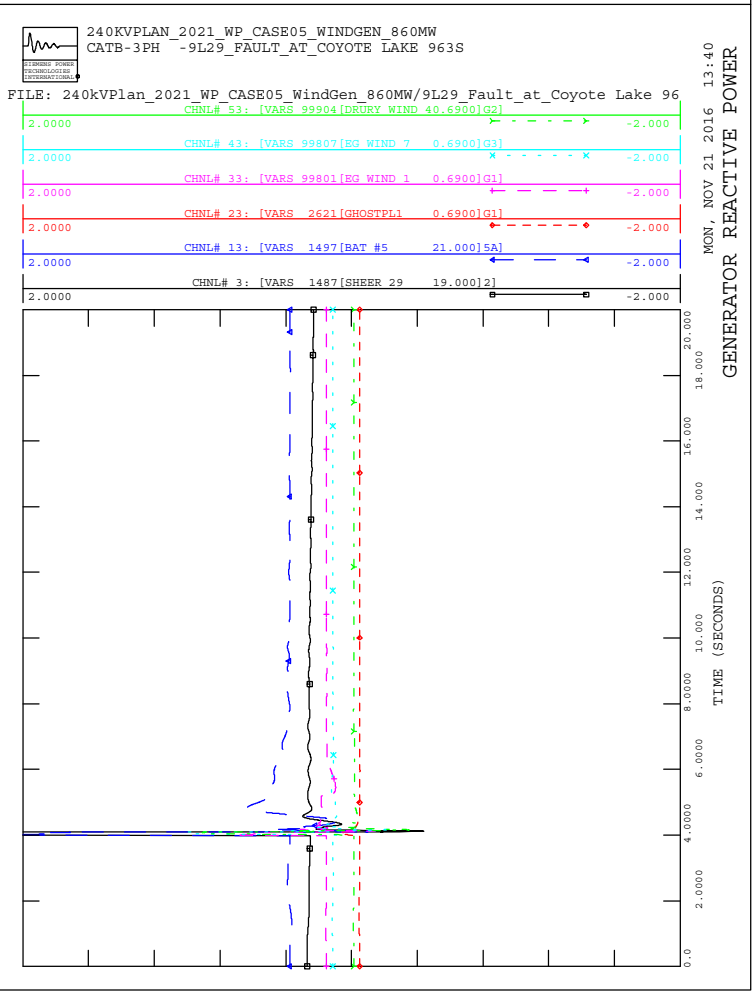
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 13:40
LINE POWER

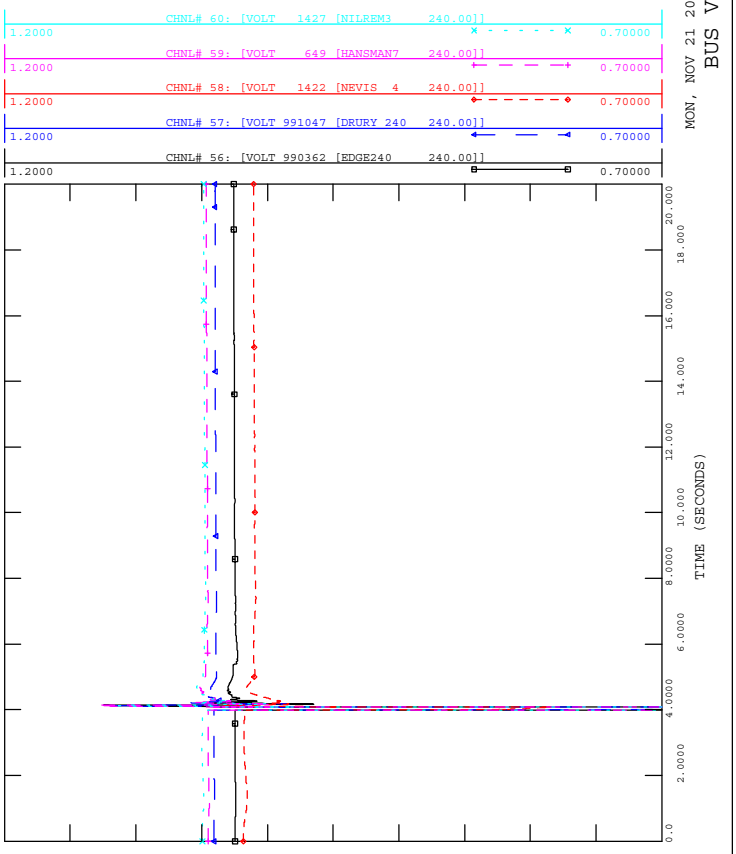

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

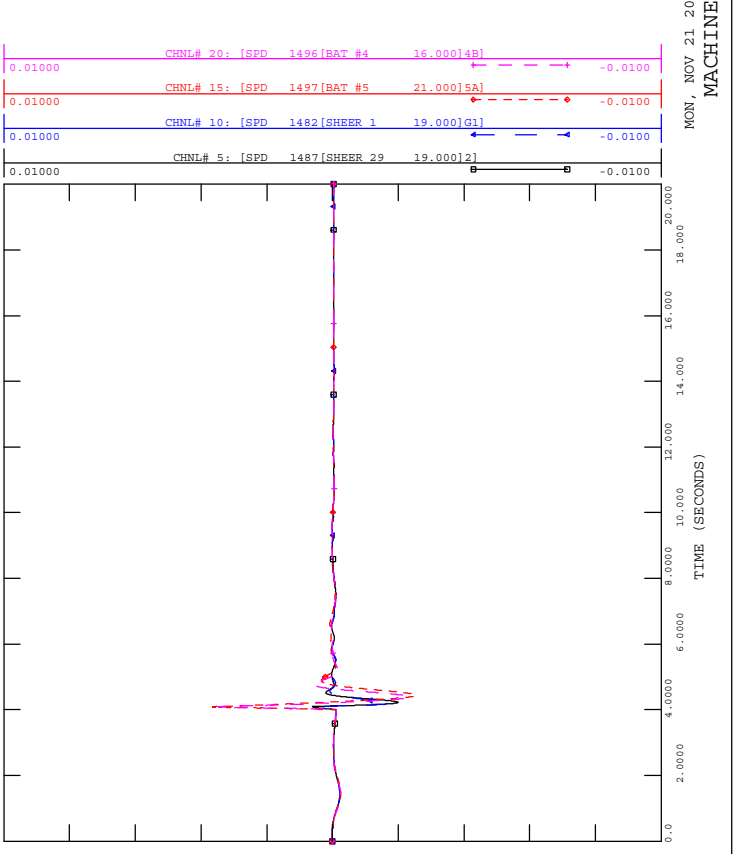


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

MON, NOV 21 2016 13:40

MACHINE SPEED

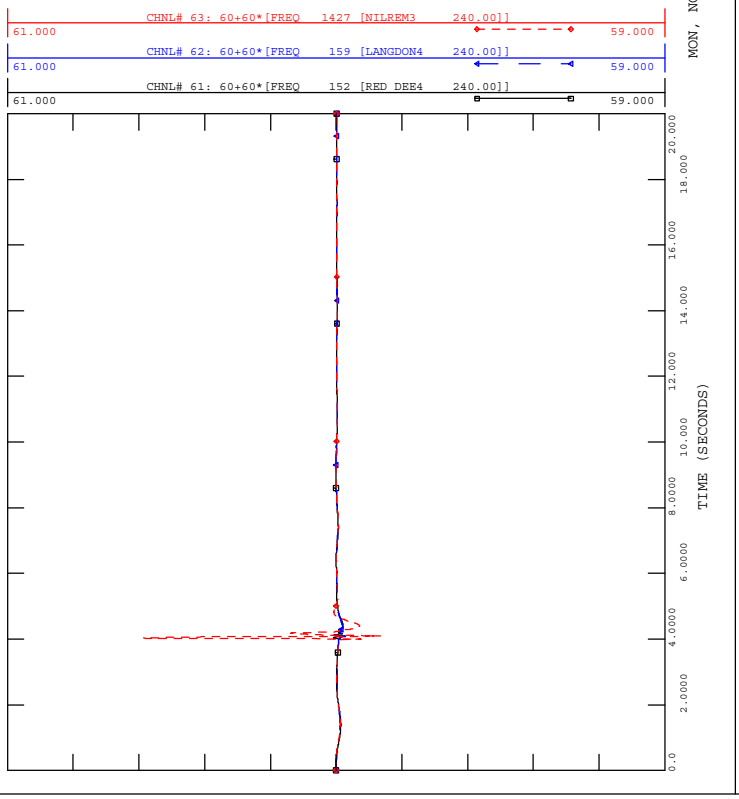


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

MON, NOV 21 2016 13:40

FREQUENCY

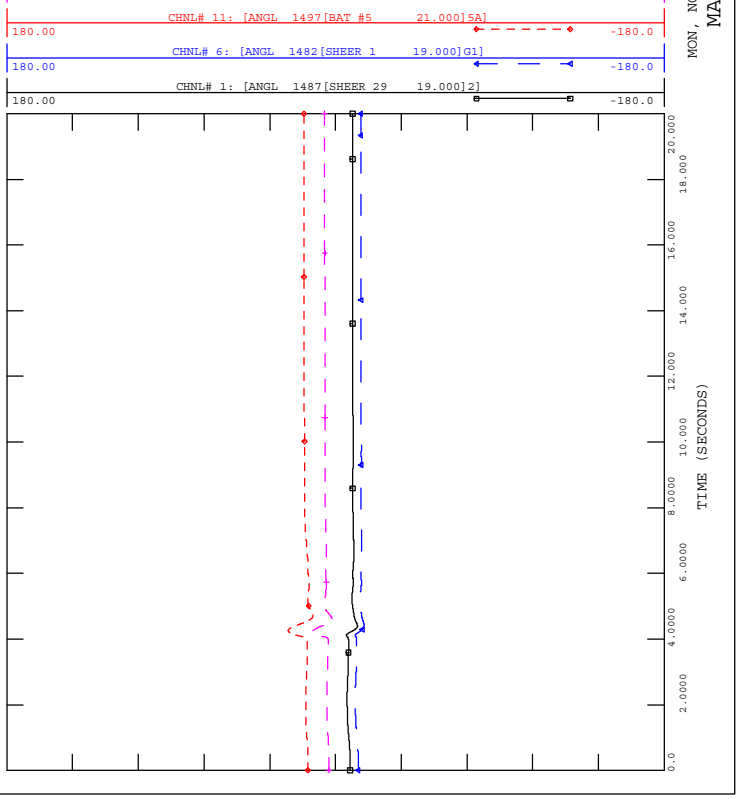


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

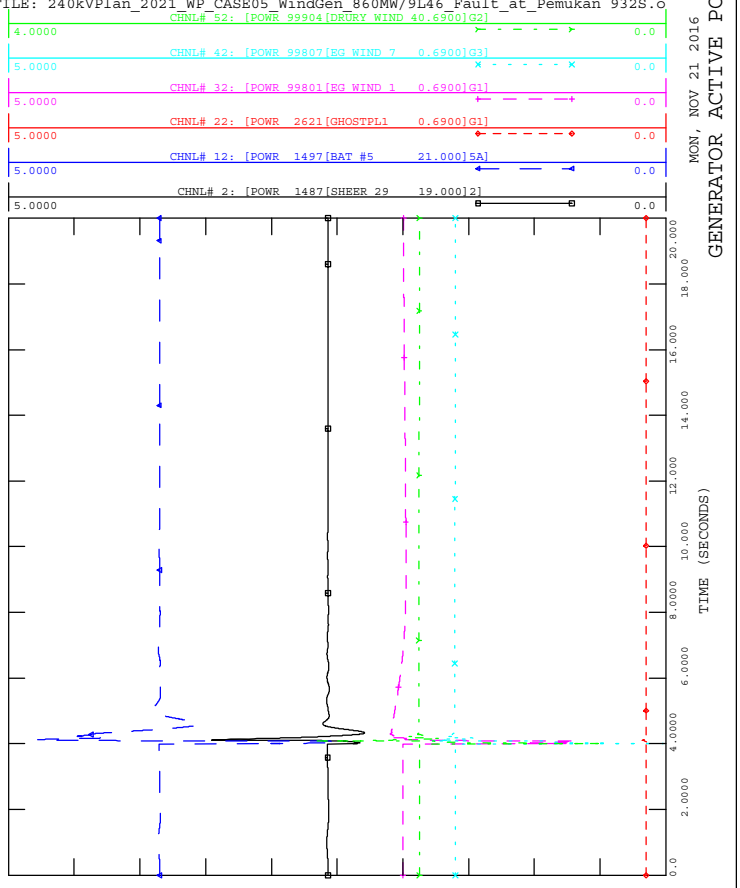
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

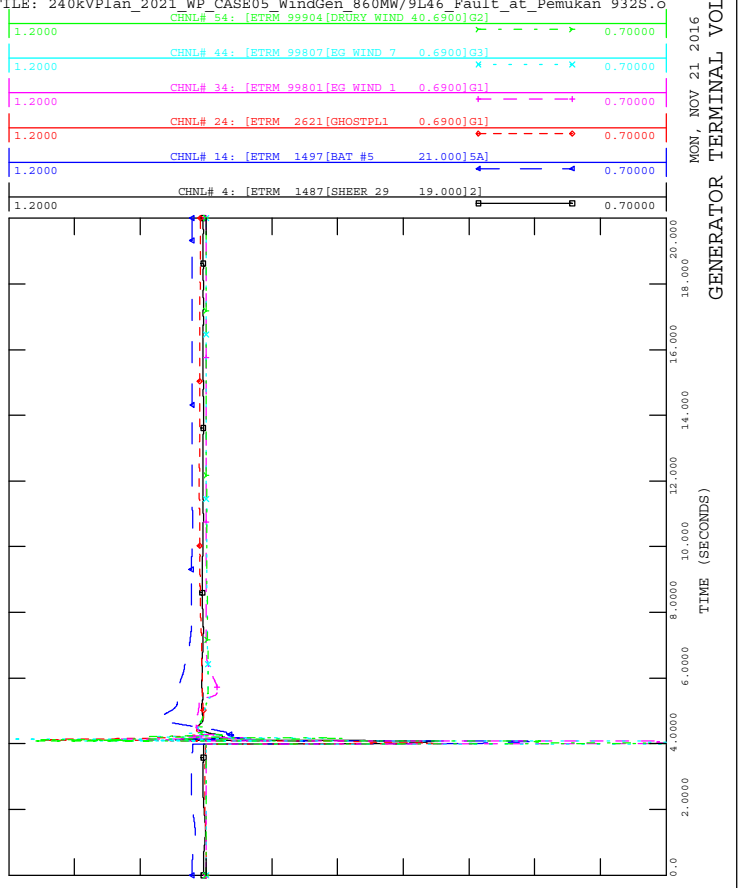


MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

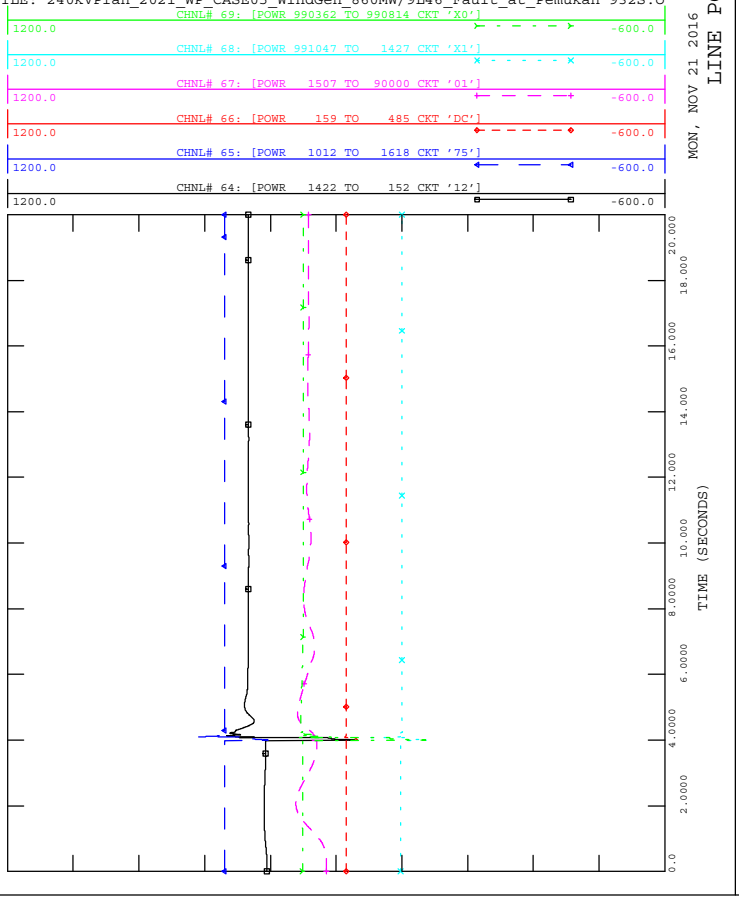


MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

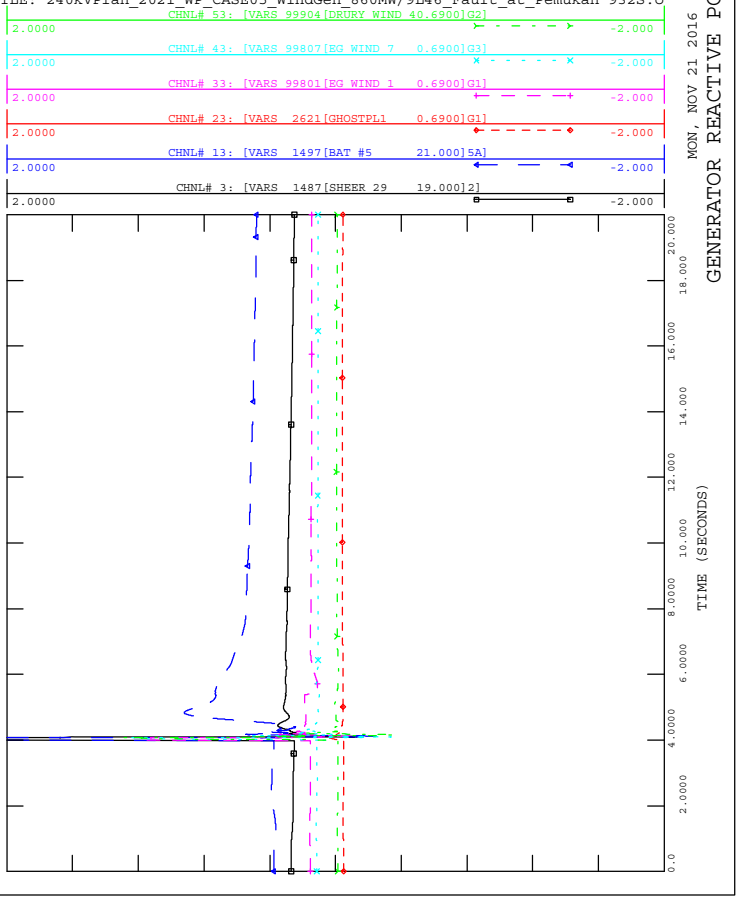


MON, NOV 21 2016 13:40

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o



MON, NOV 21 2016 13:40

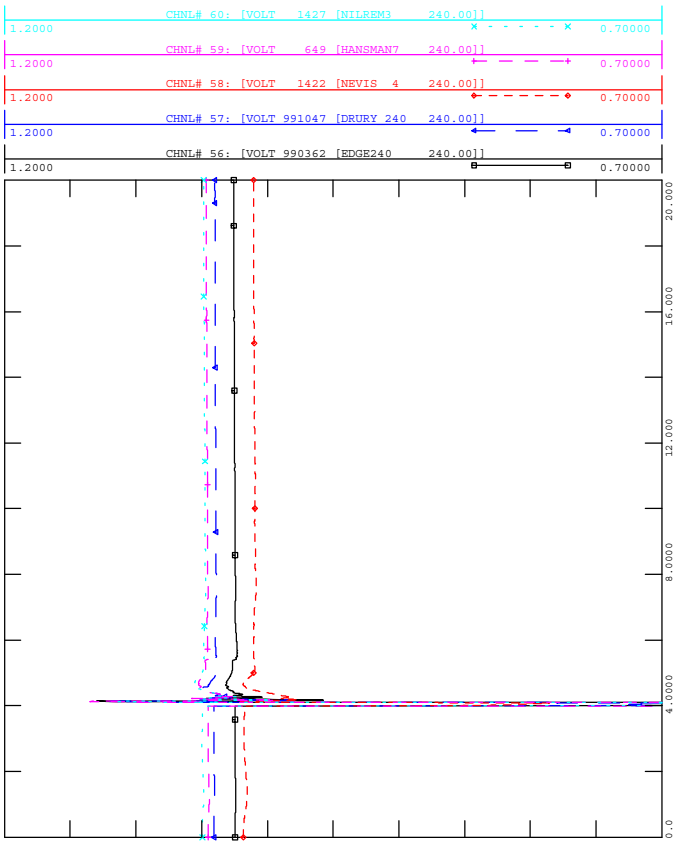
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

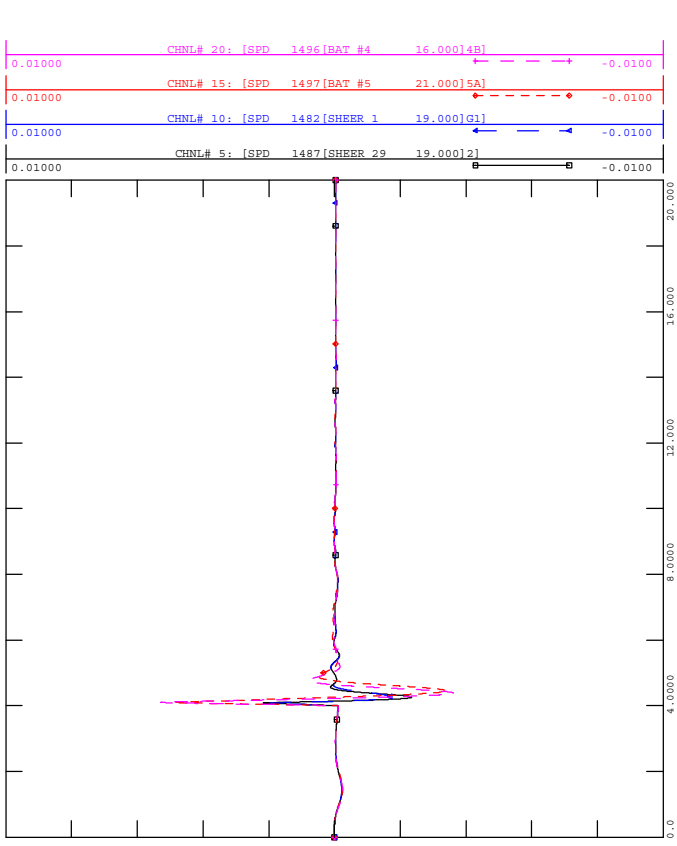


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:40

MACHINE SPEED

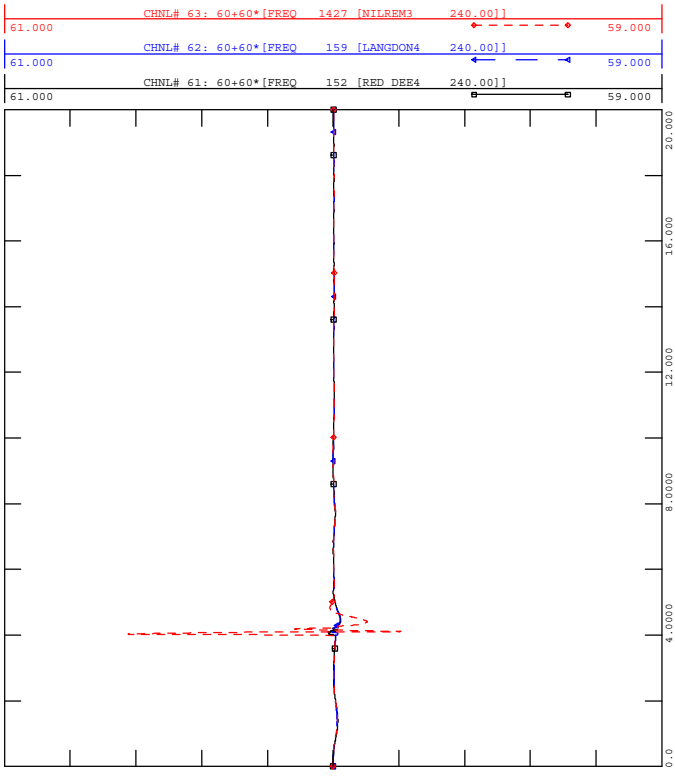


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 13:40

FREQUENCY

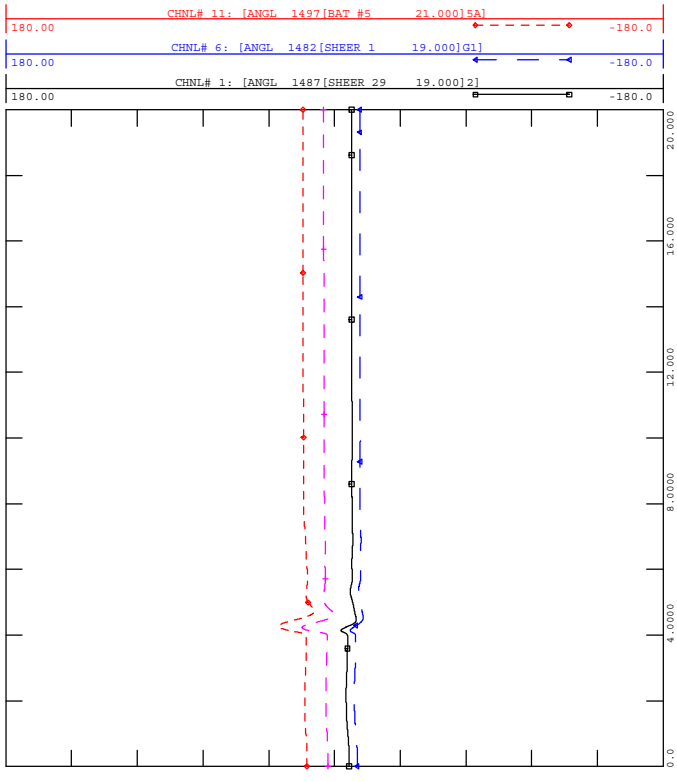


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

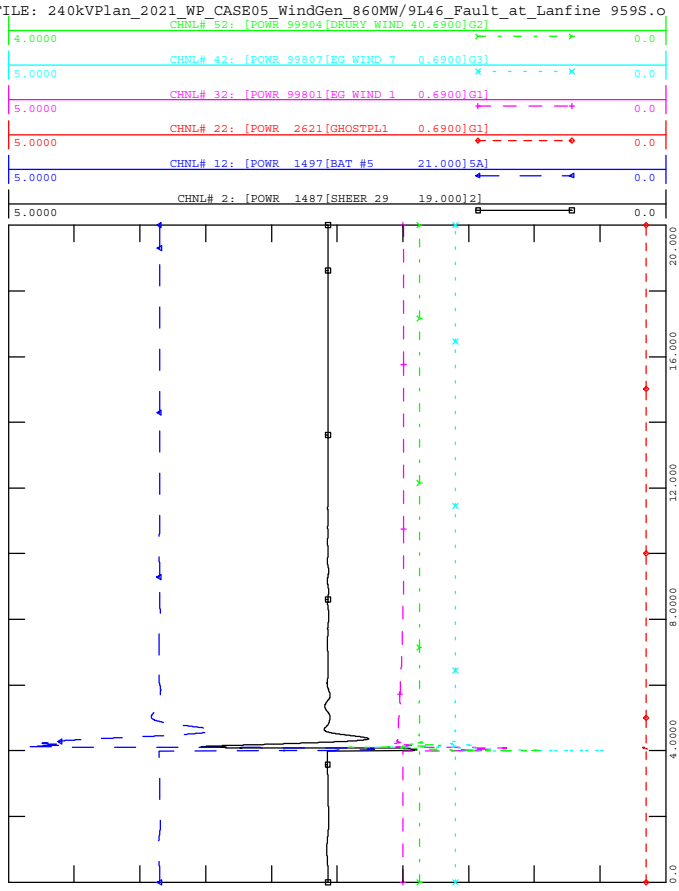
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

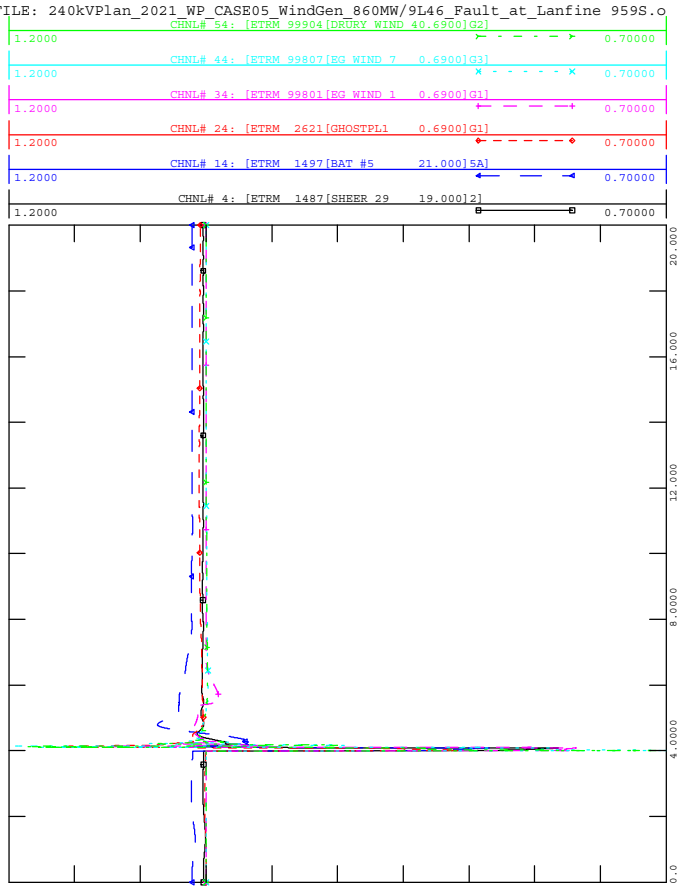
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o



GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

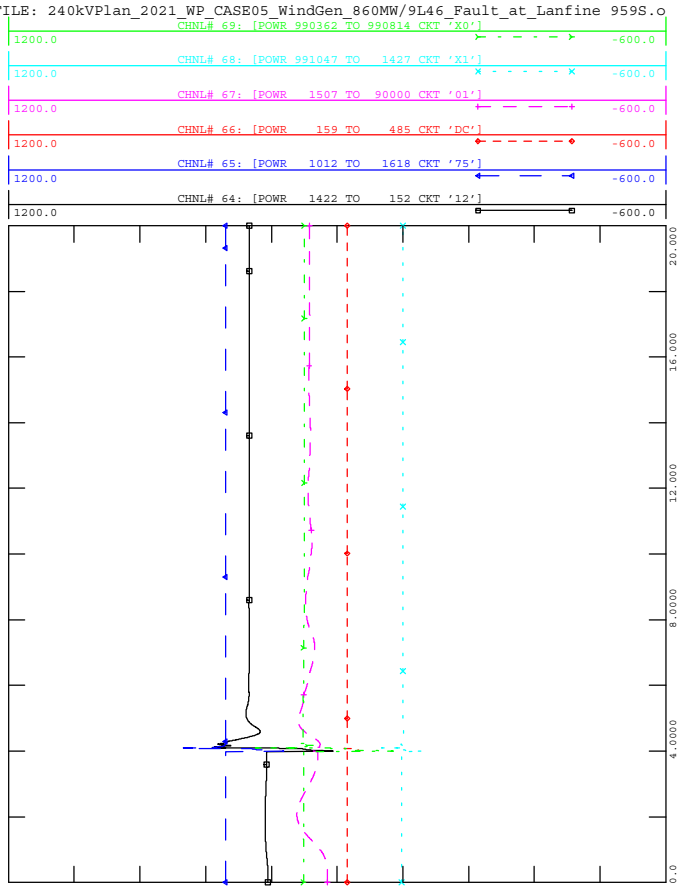
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

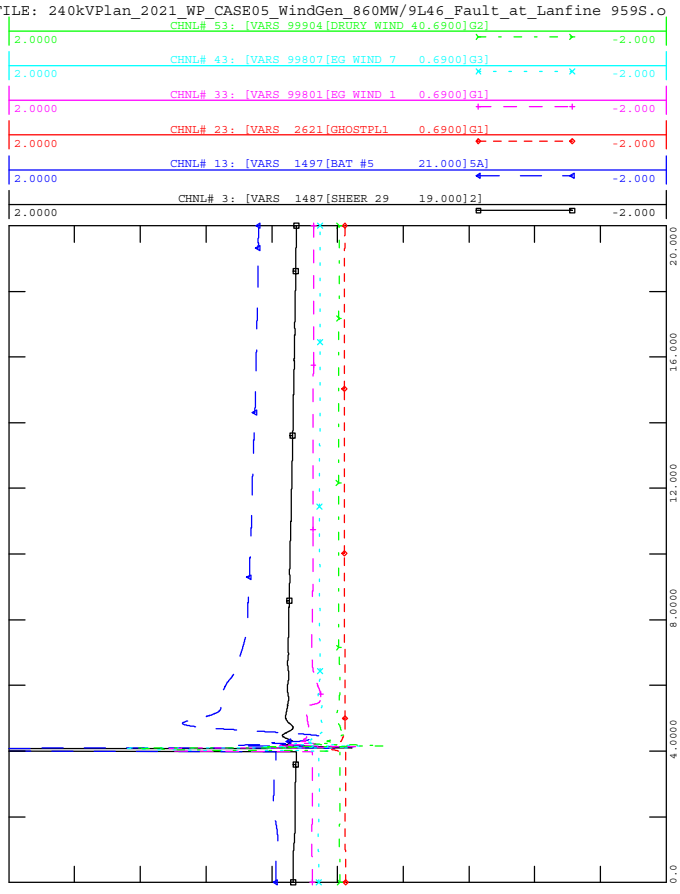
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o



LINE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o



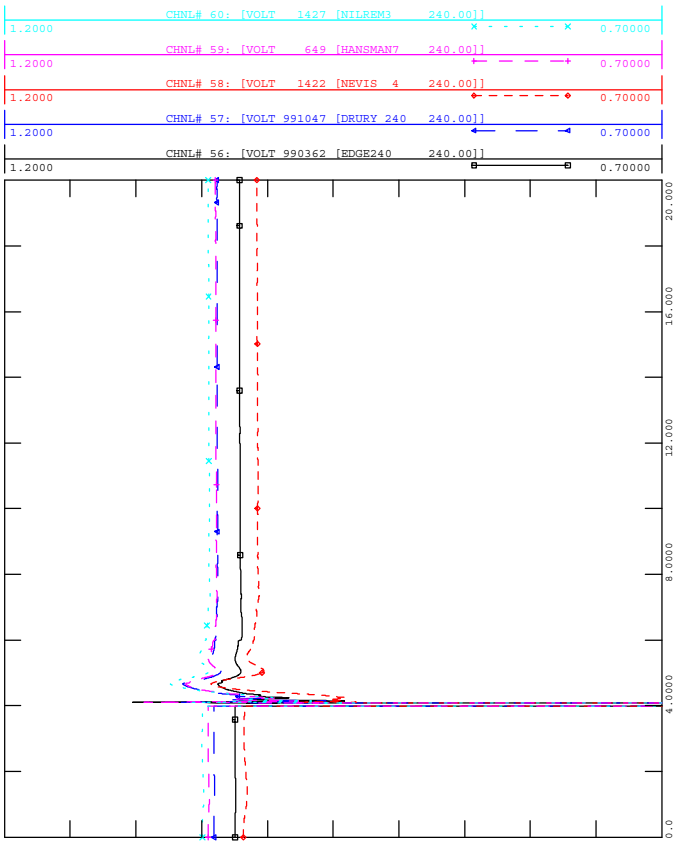
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:40

BUS VOLTAGE

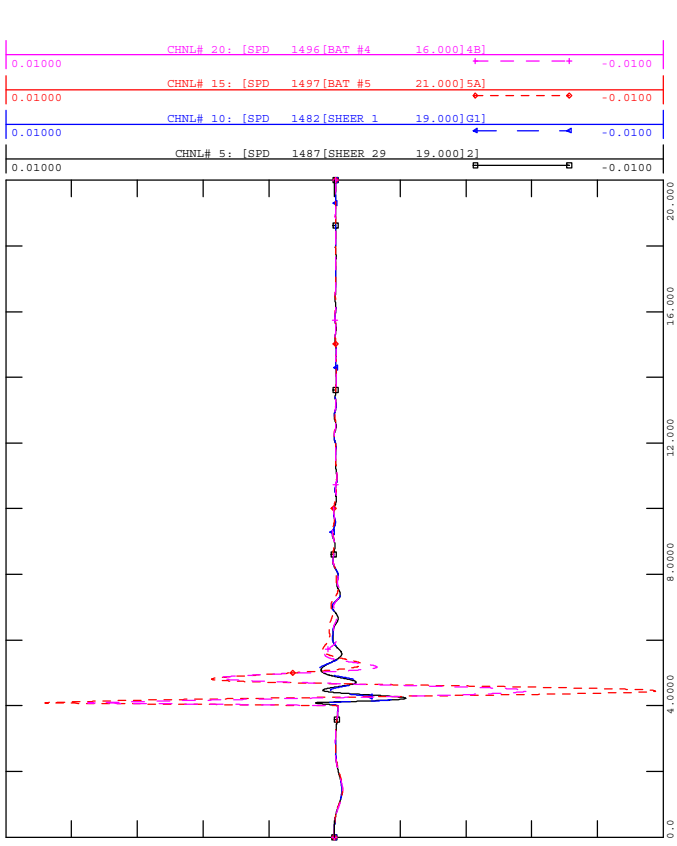


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:40

MACHINE SPEED

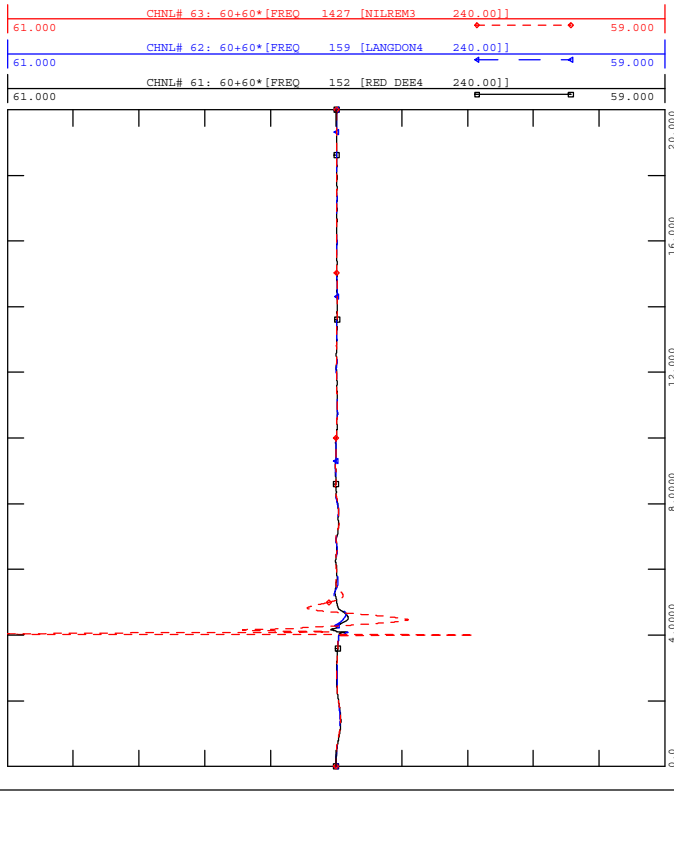


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972

MON, NOV 21 2016 13:40

FREQUENCY

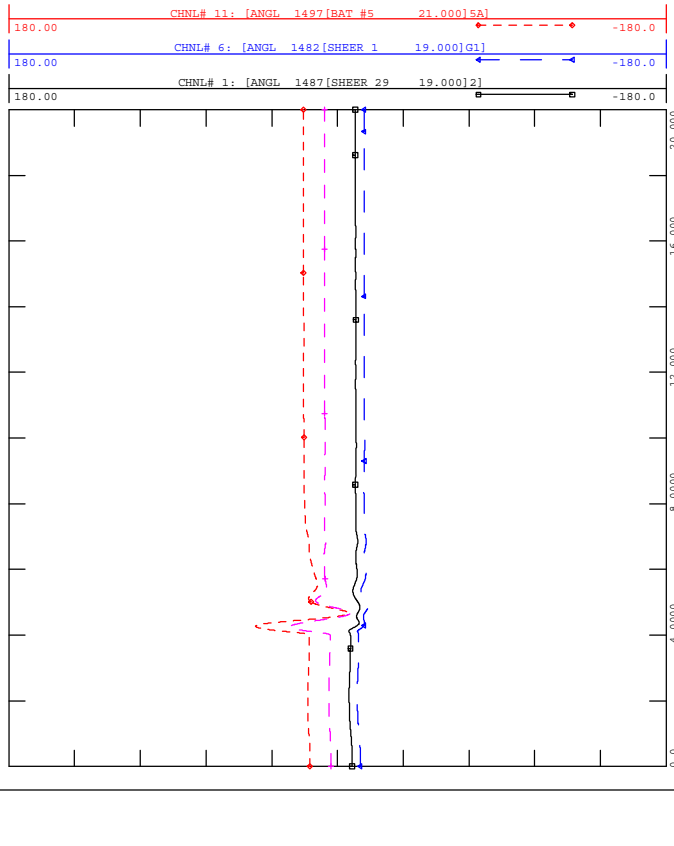


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972

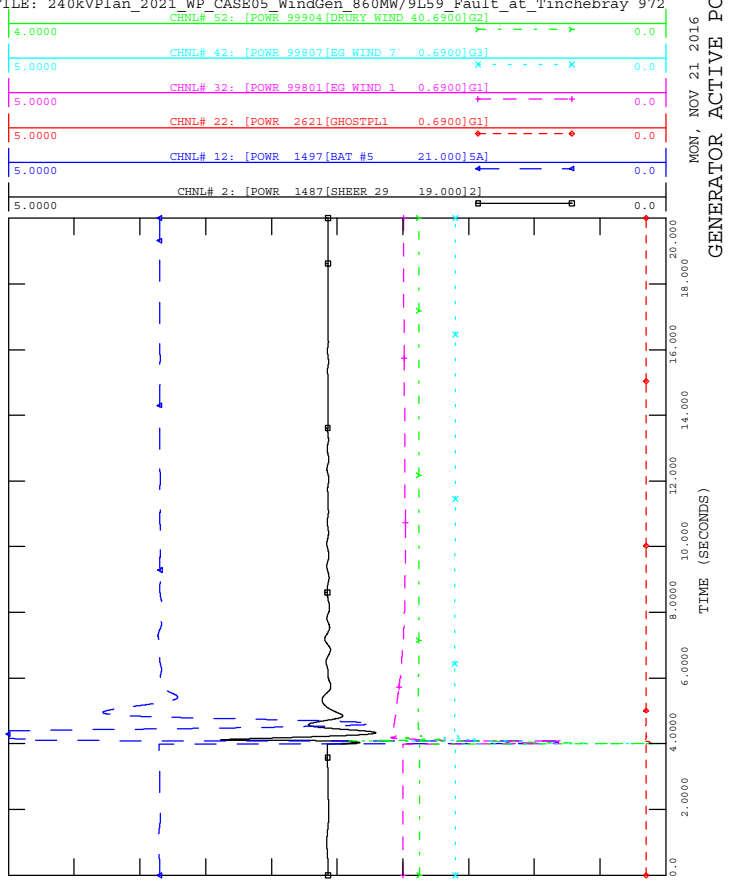
MON, NOV 21 2016 13:40

MACHINE ANGEL



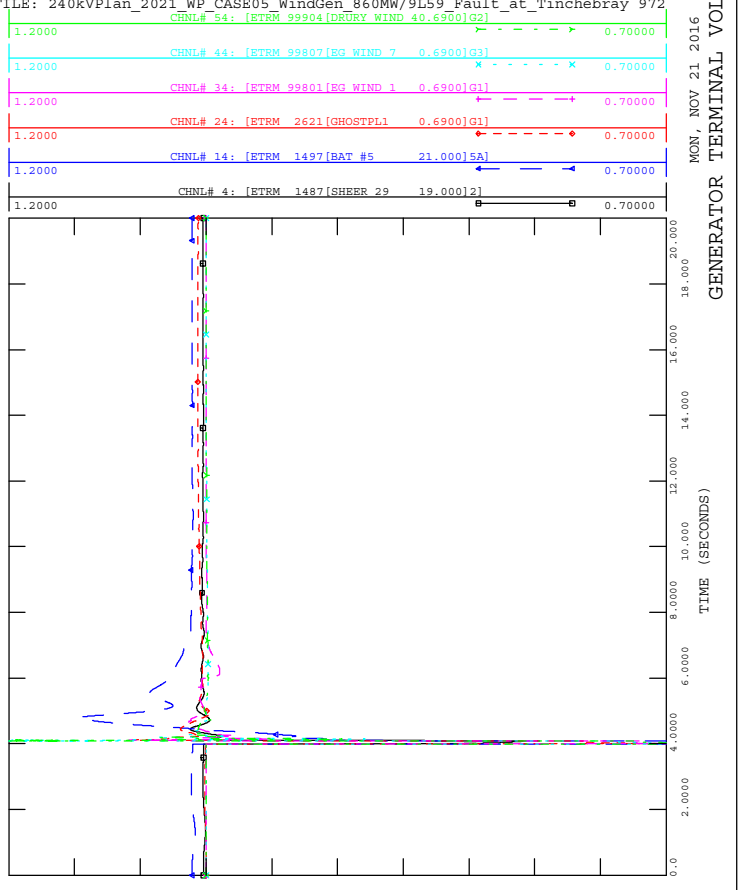
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972



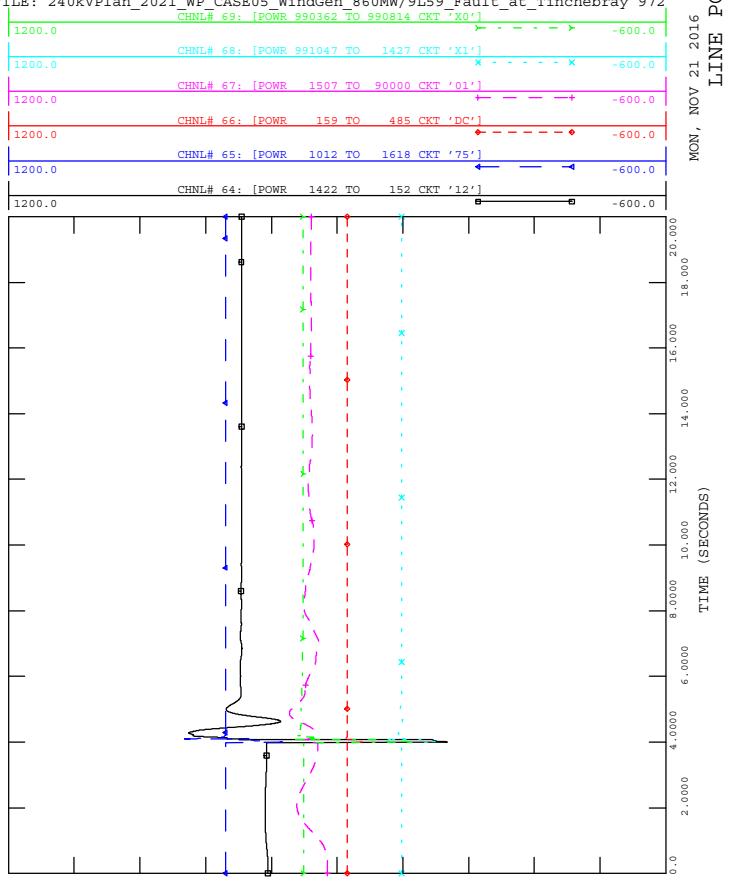
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972



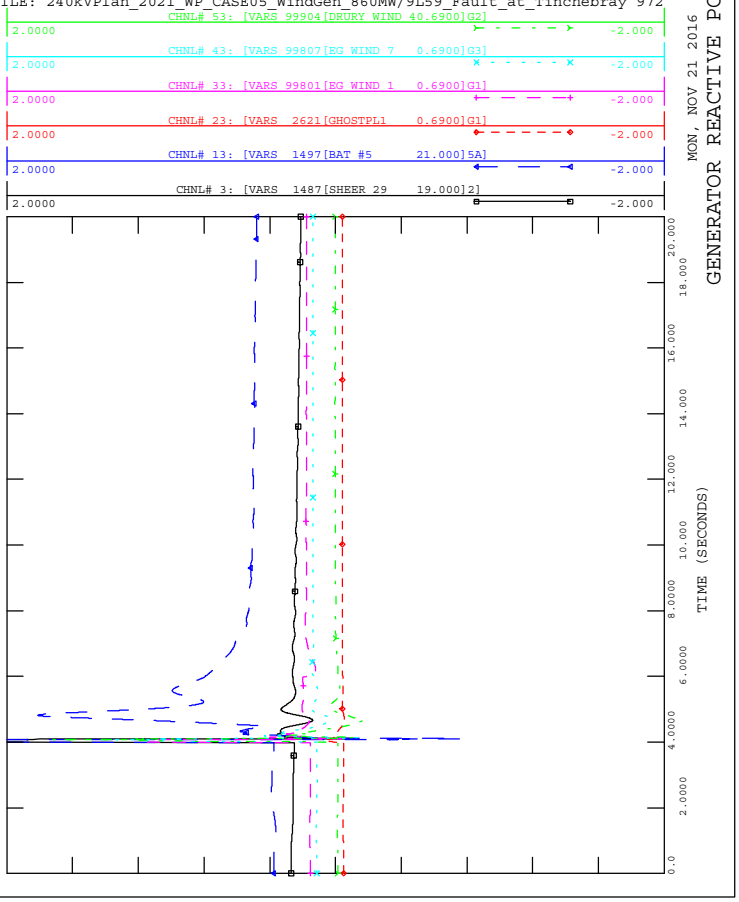
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972

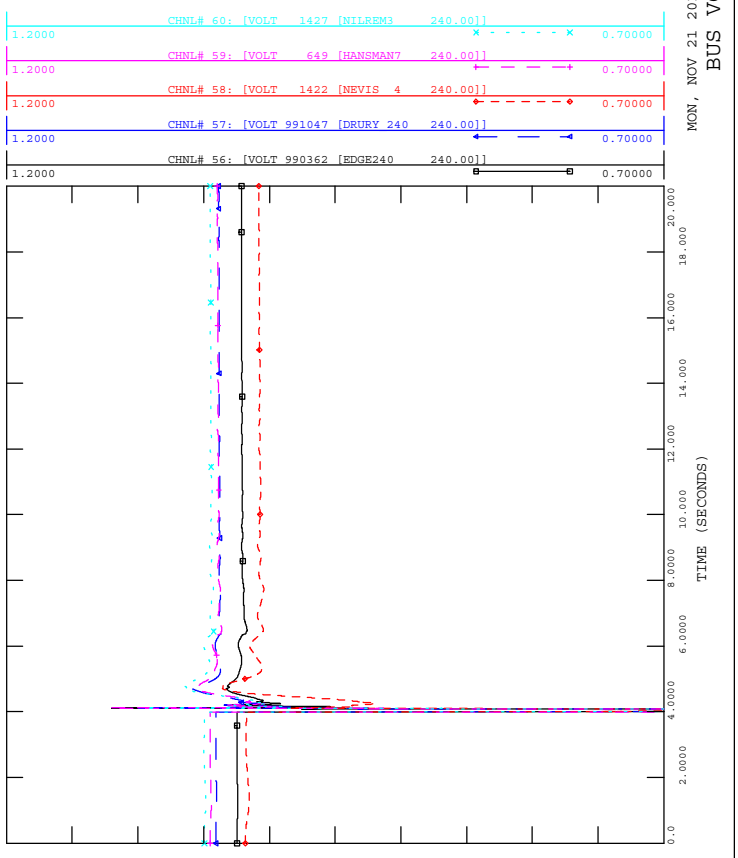


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:40

BUS VOLTAGE

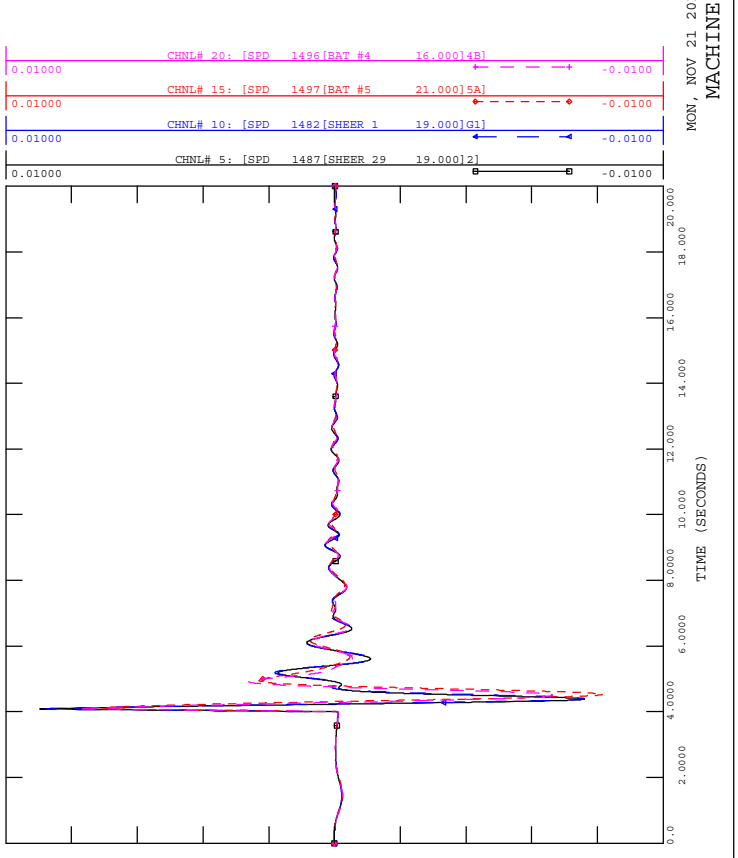


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:40

MACHINE SPEED

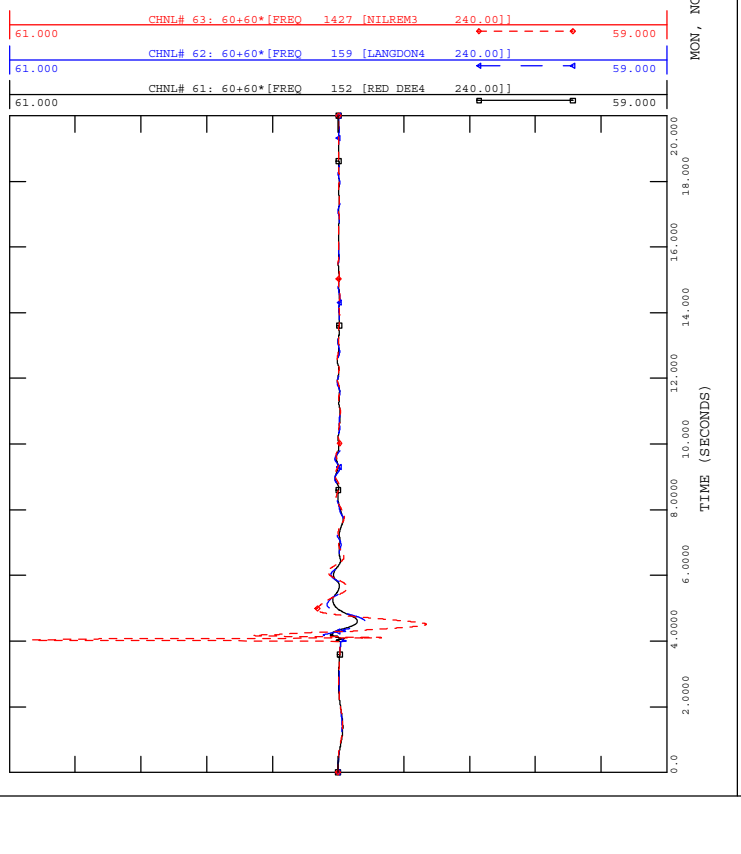


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:40

FREQUENCY

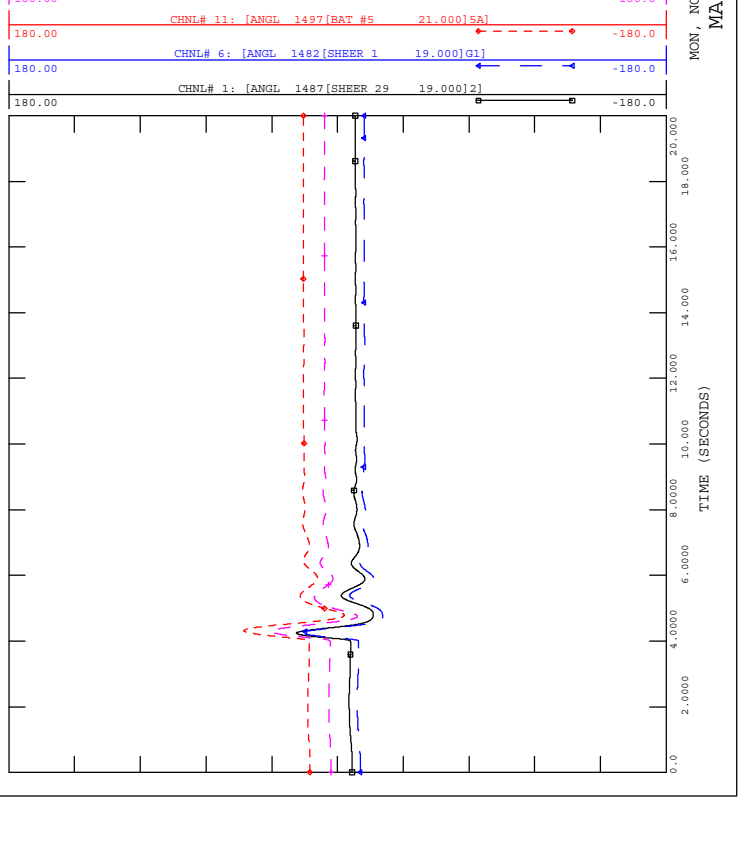


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.

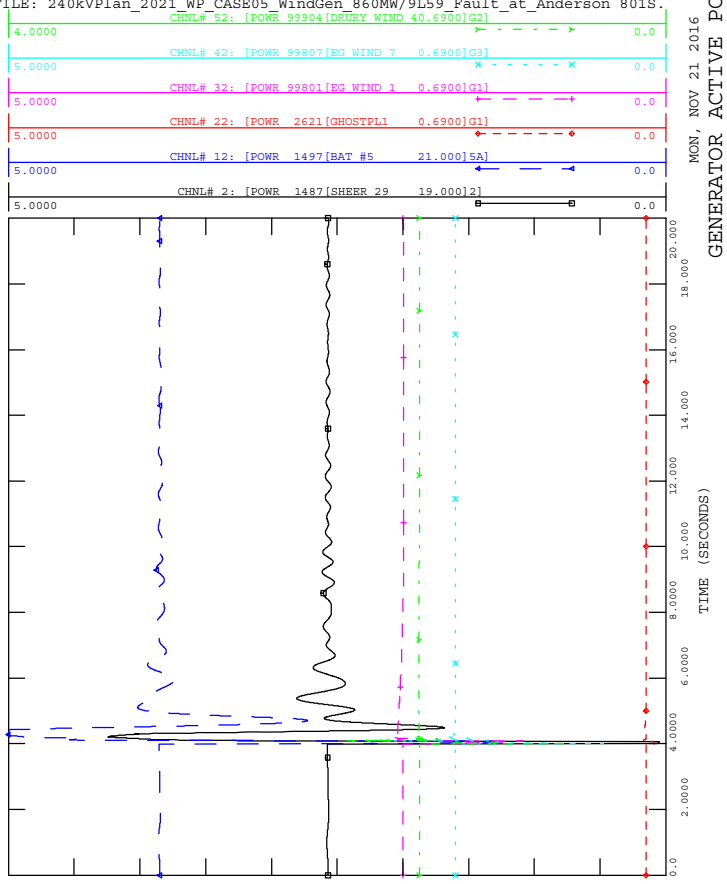
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

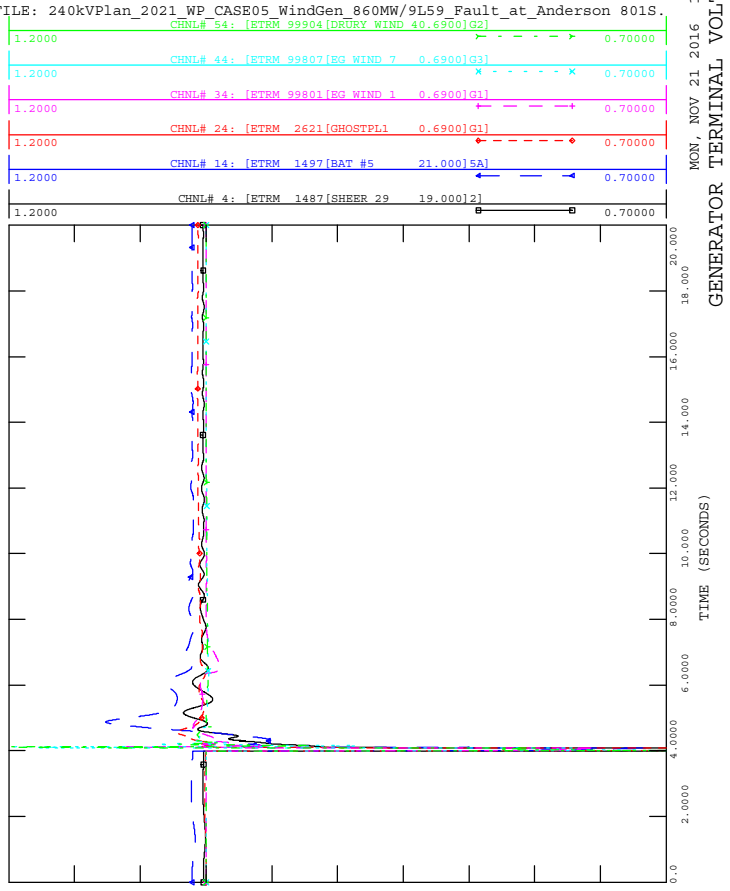
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

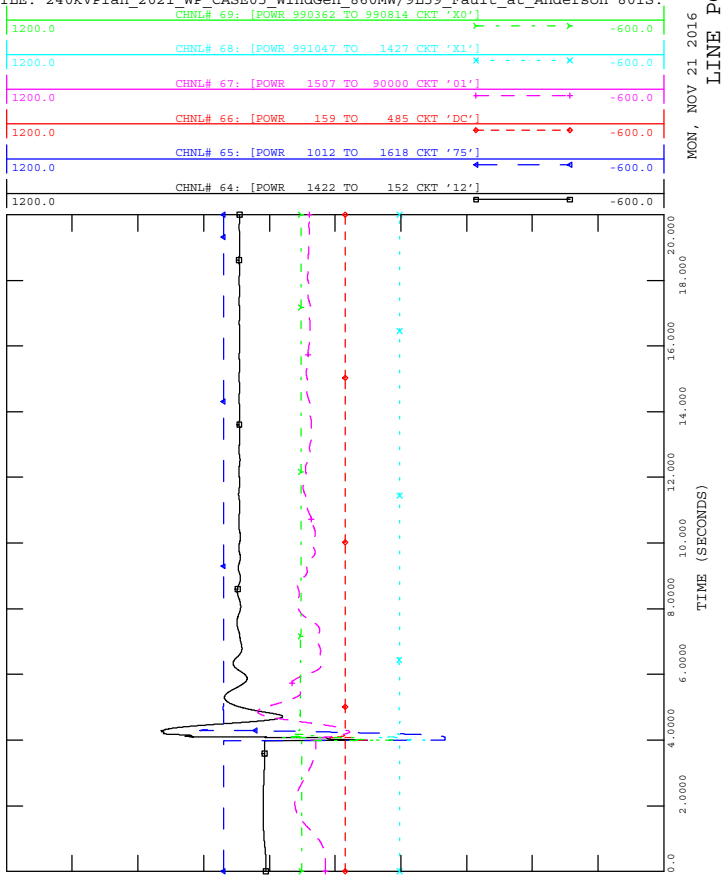
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

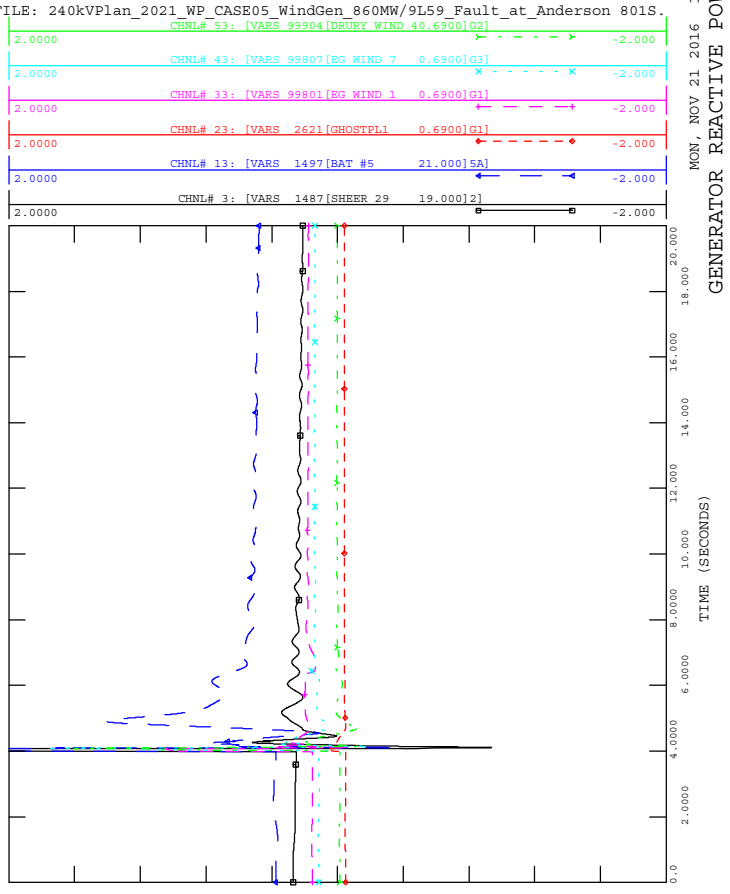
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.



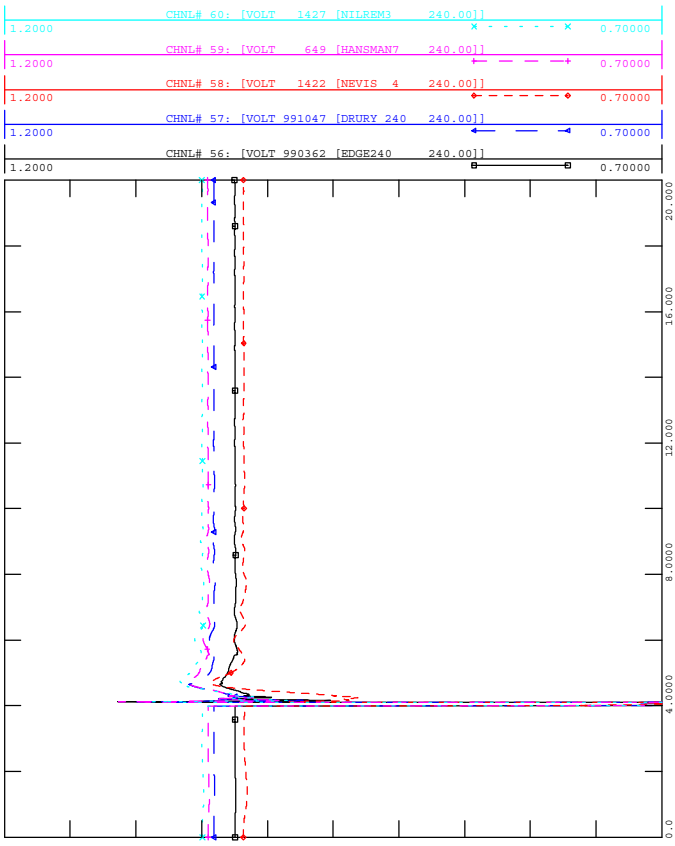
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

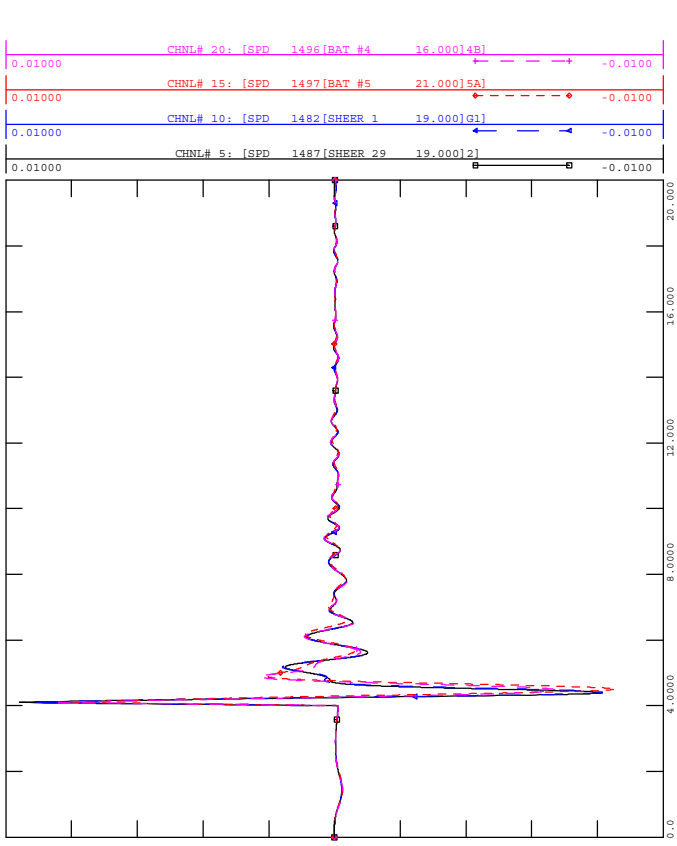


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

MACHINE SPEED

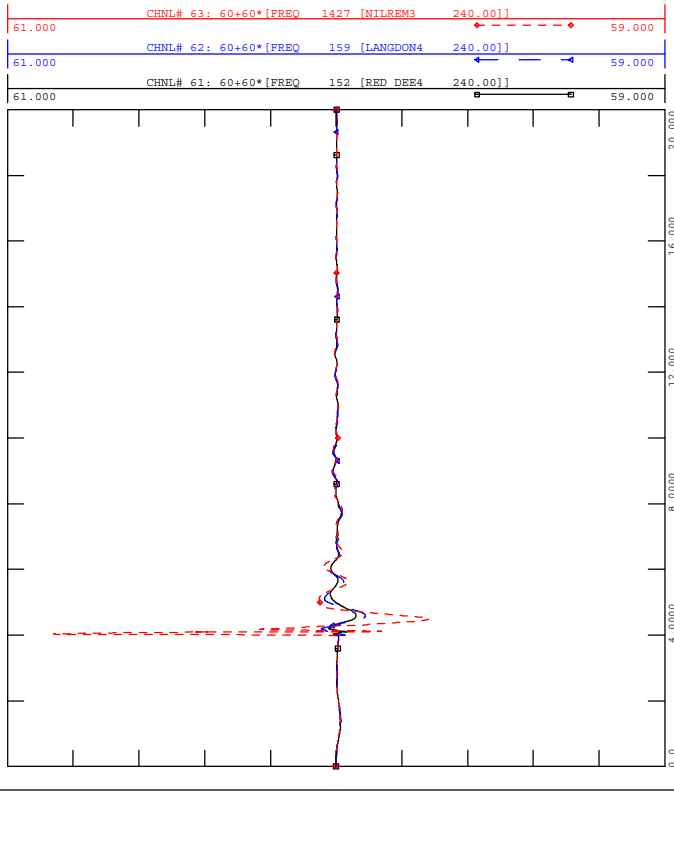


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

FREQUENCY

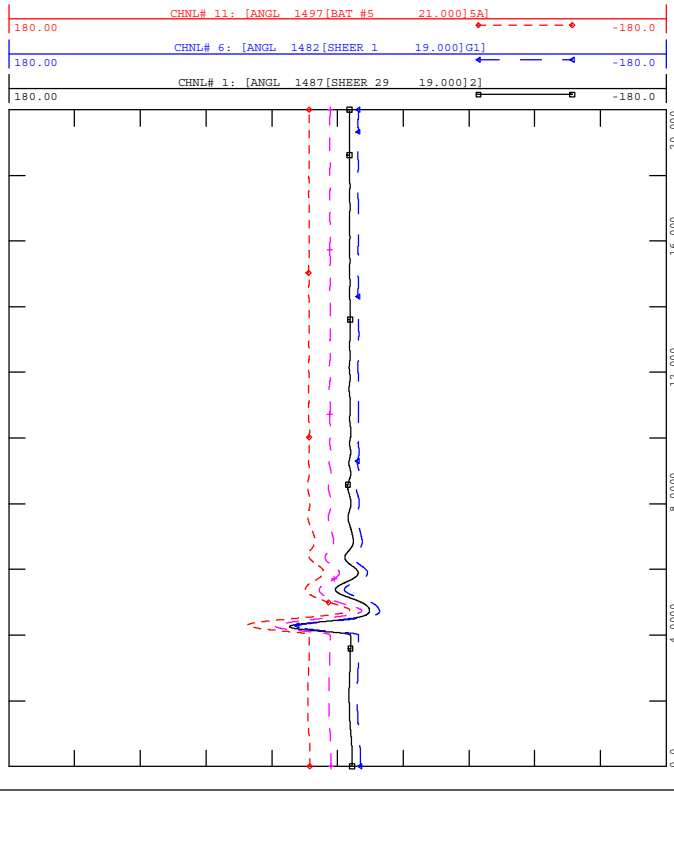


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

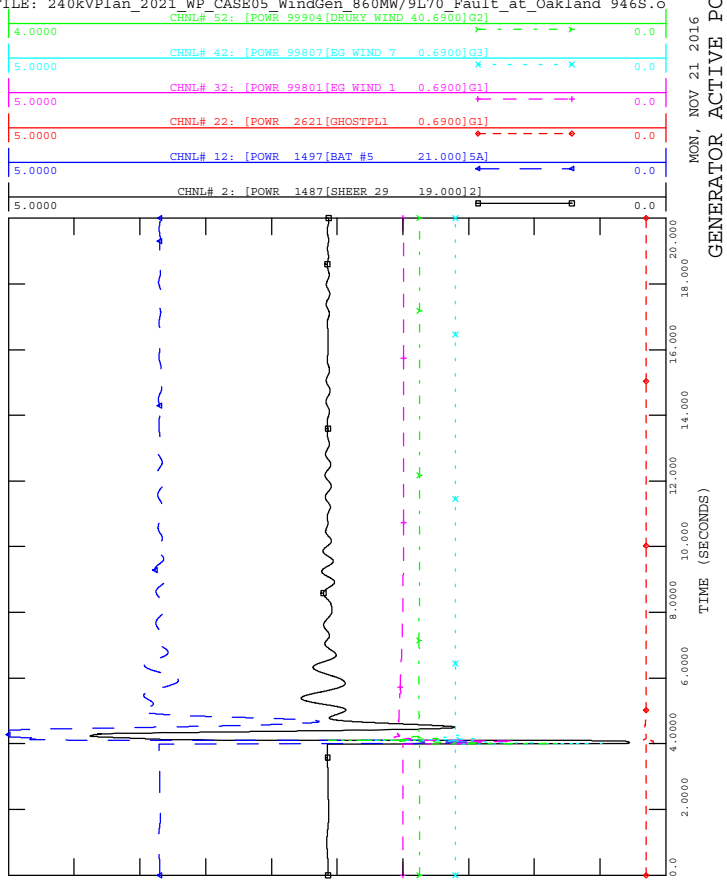
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

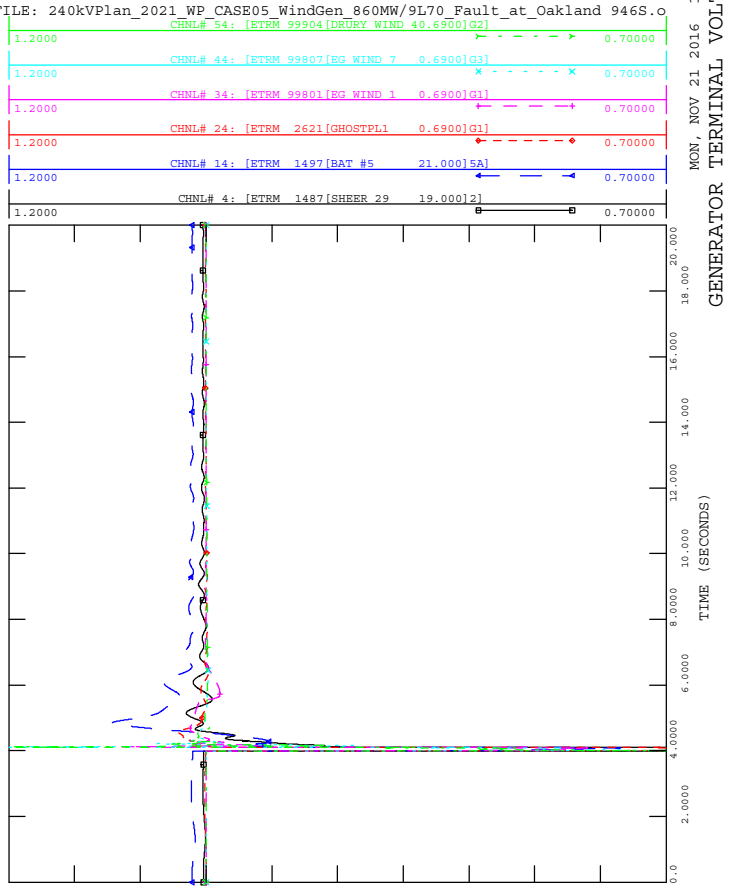
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

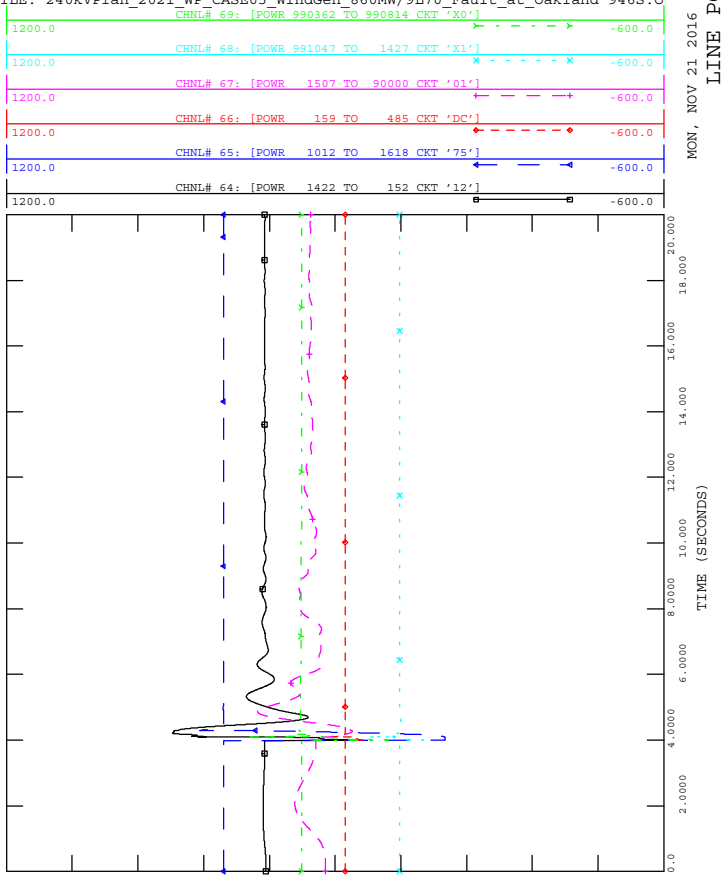
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

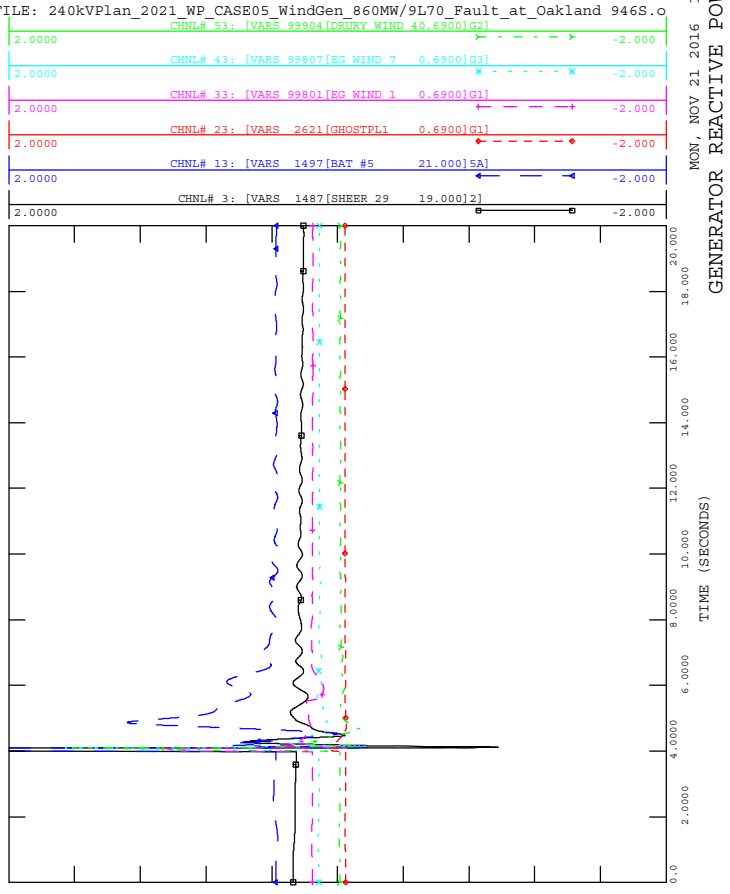
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o



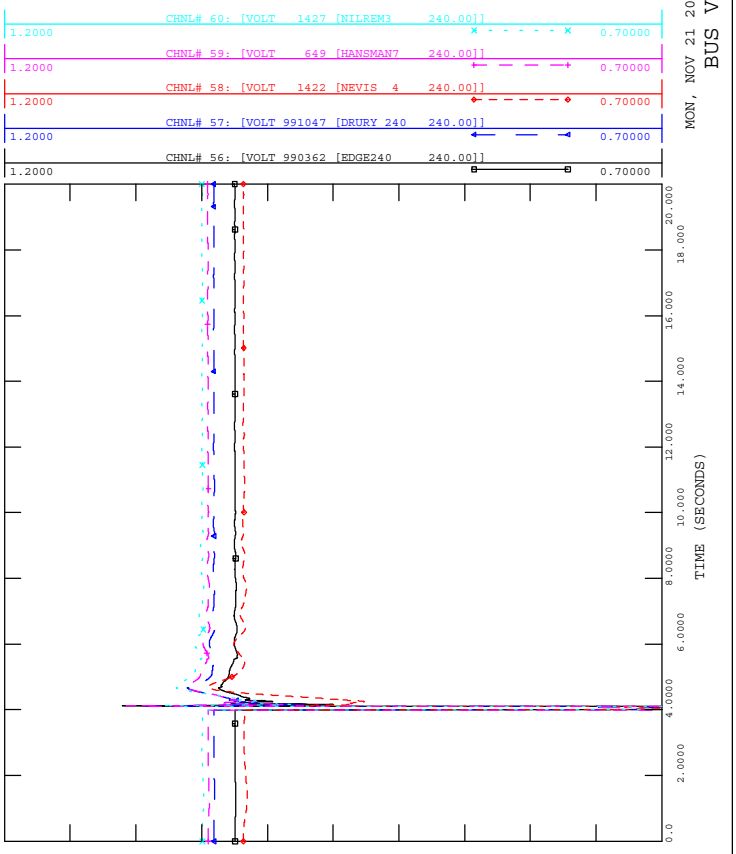
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:40

BUS VOLTAGE

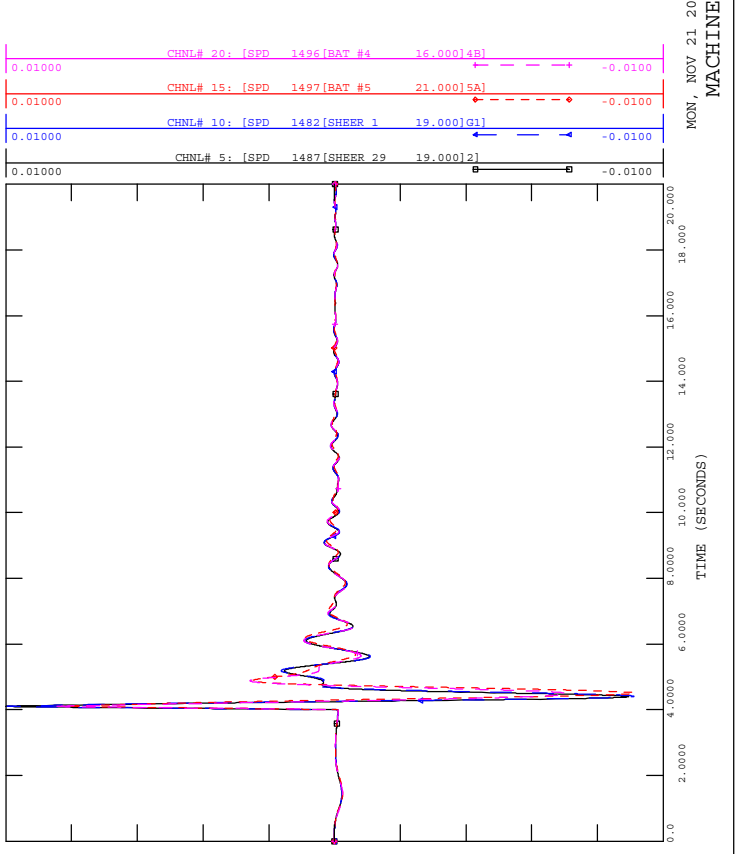


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:40

MACHINE SPEED

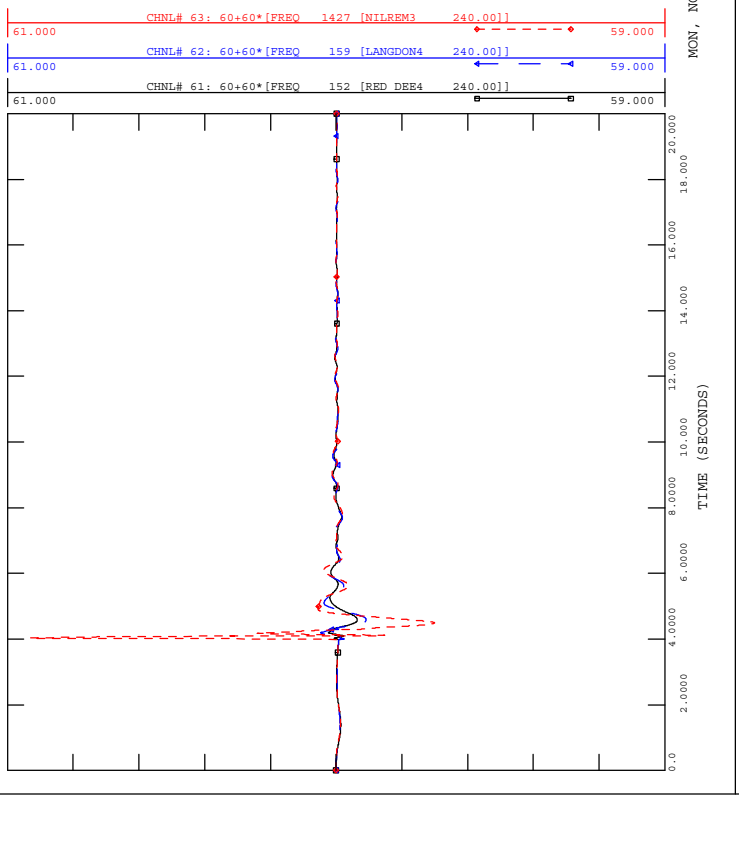


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:40

FREQUENCY

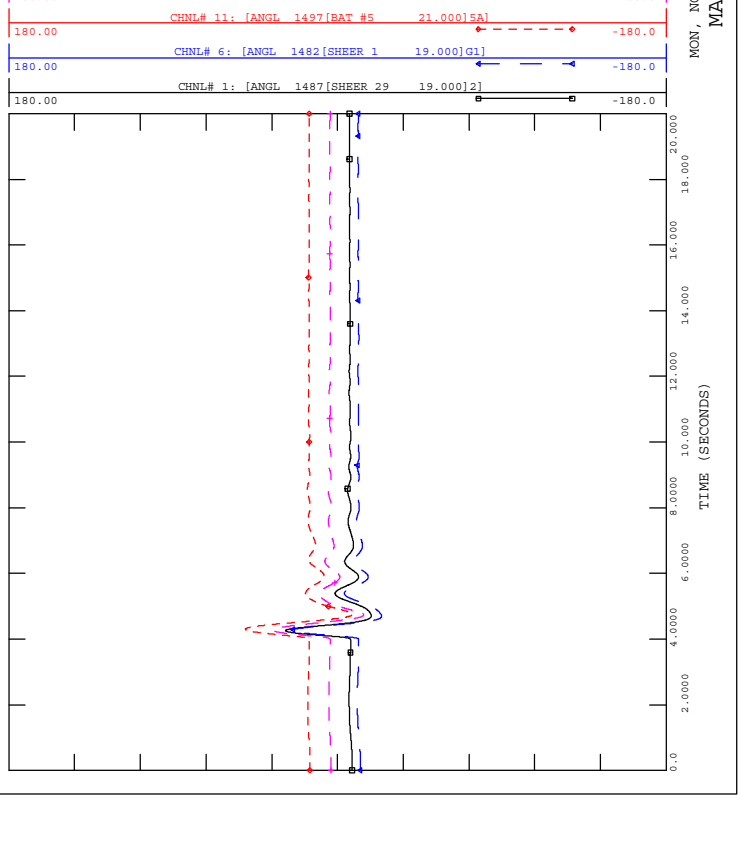


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.

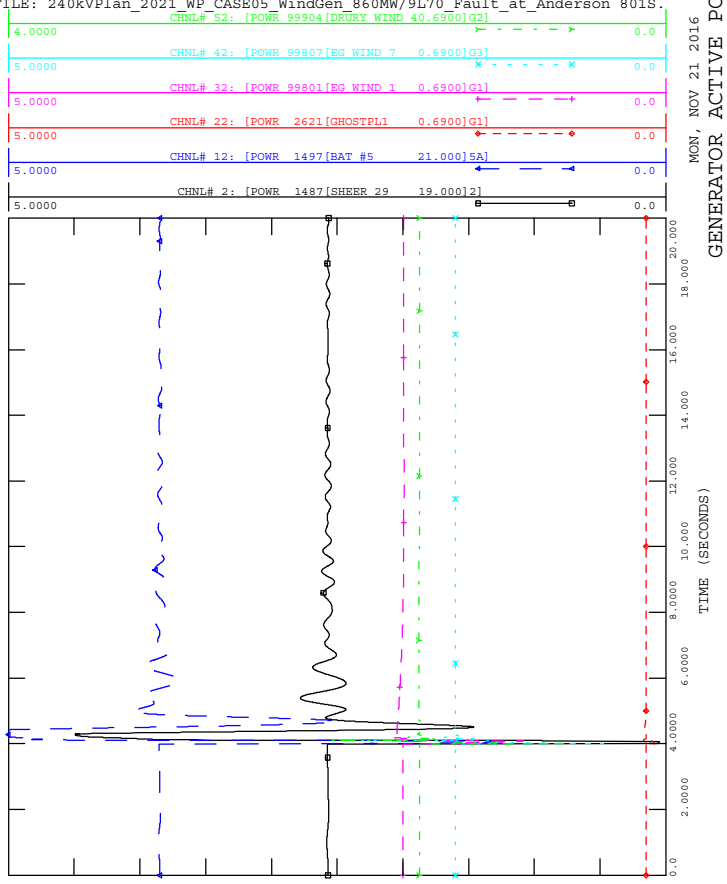
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

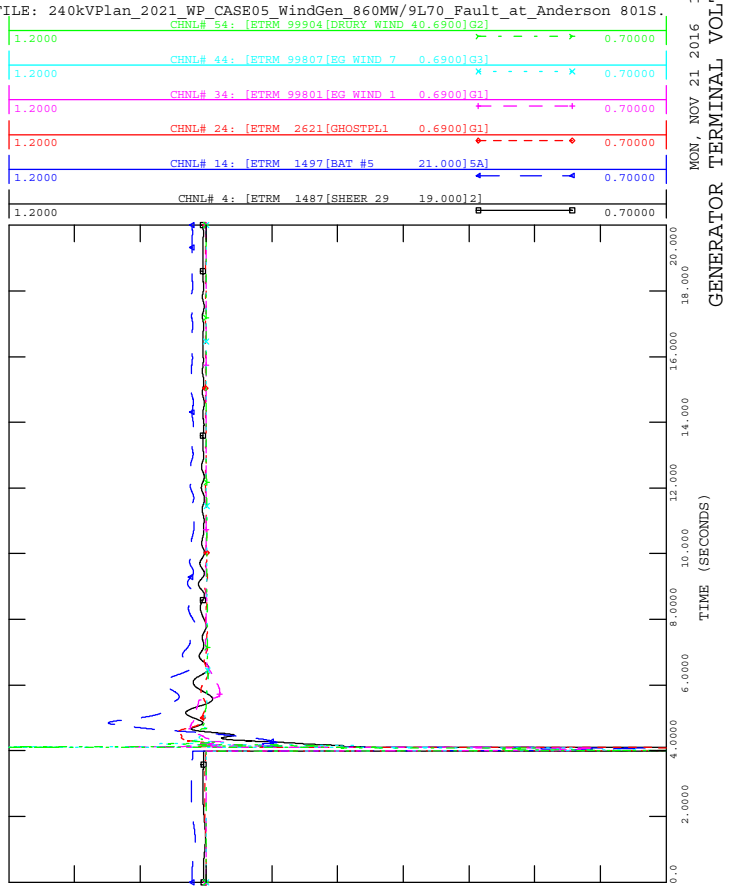
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.



GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

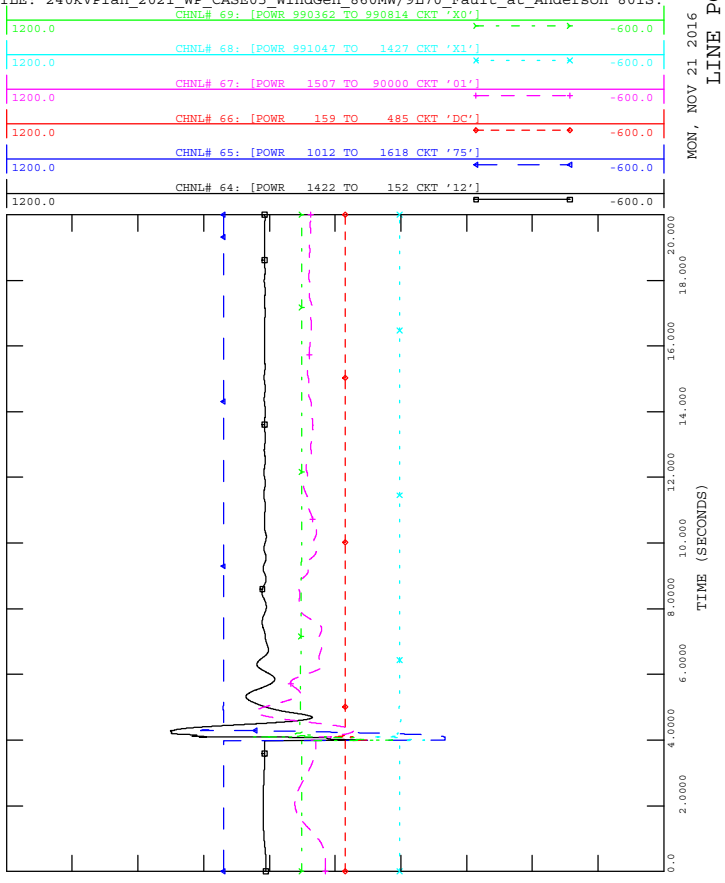
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

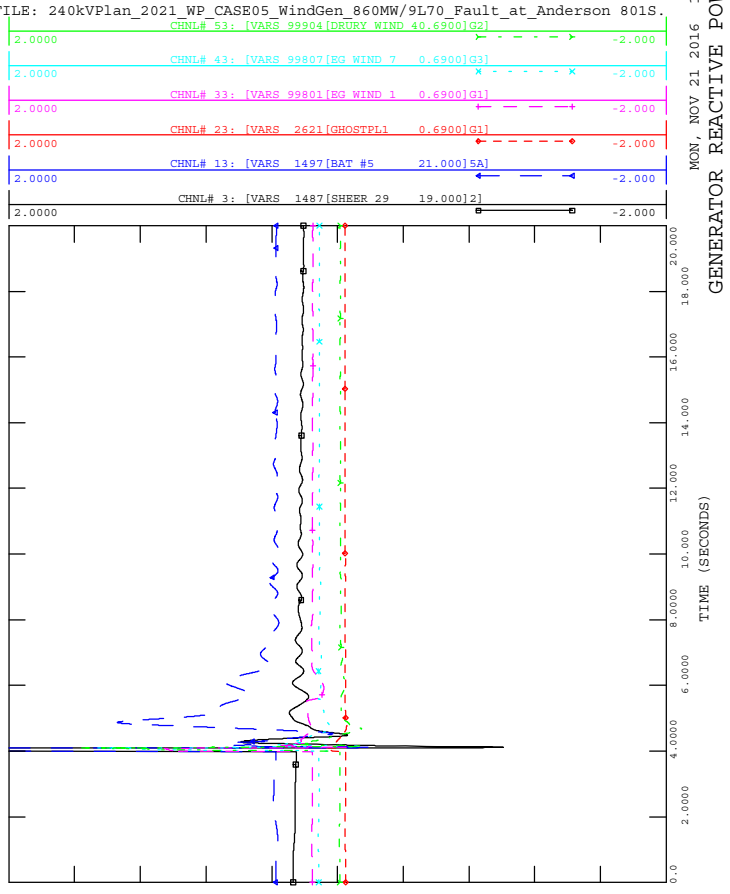
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.



LINE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.



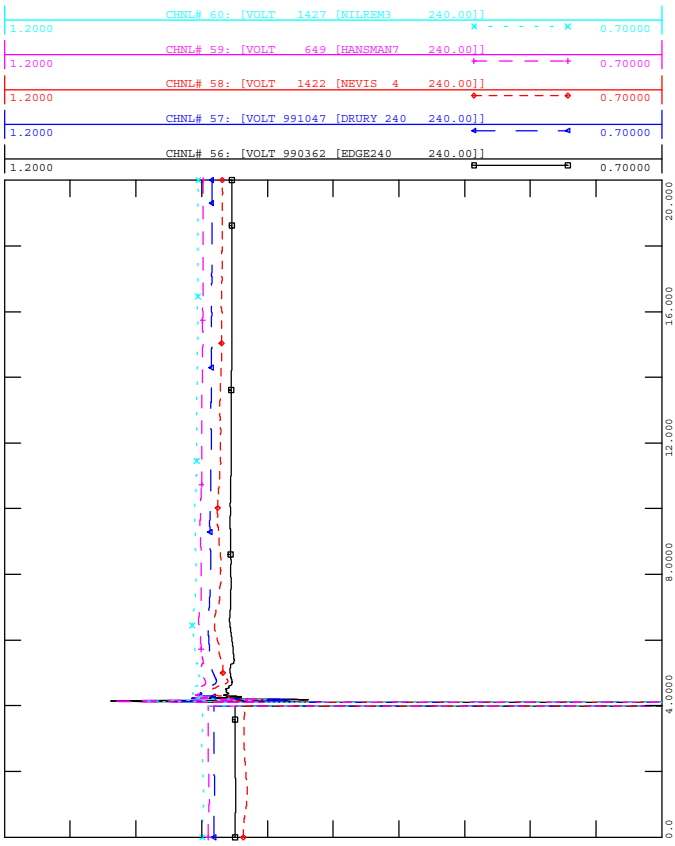
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7

MON, NOV 21 2016 13:40

BUS VOLTAGE

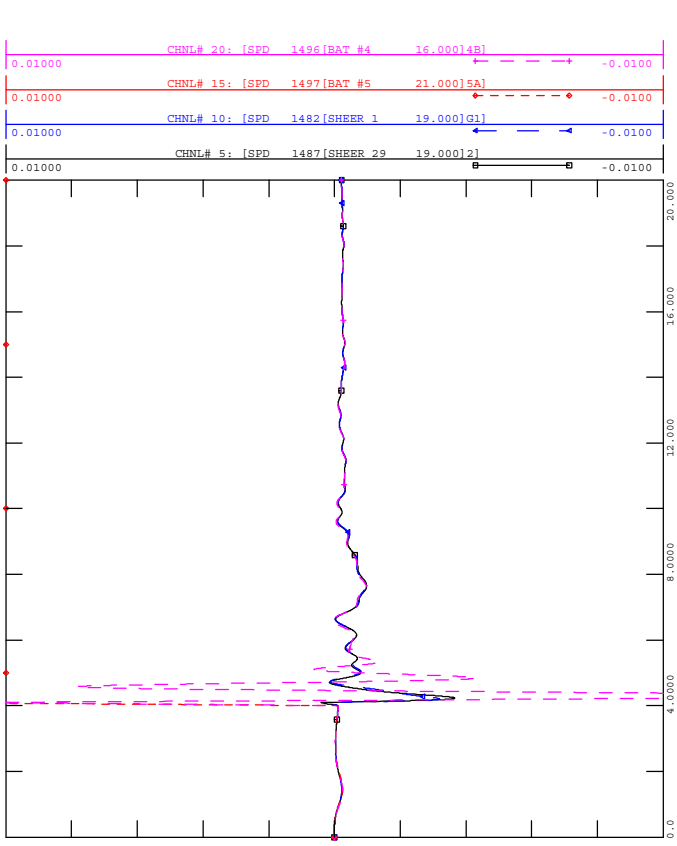


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7

MON, NOV 21 2016 13:40

MACHINE SPEED

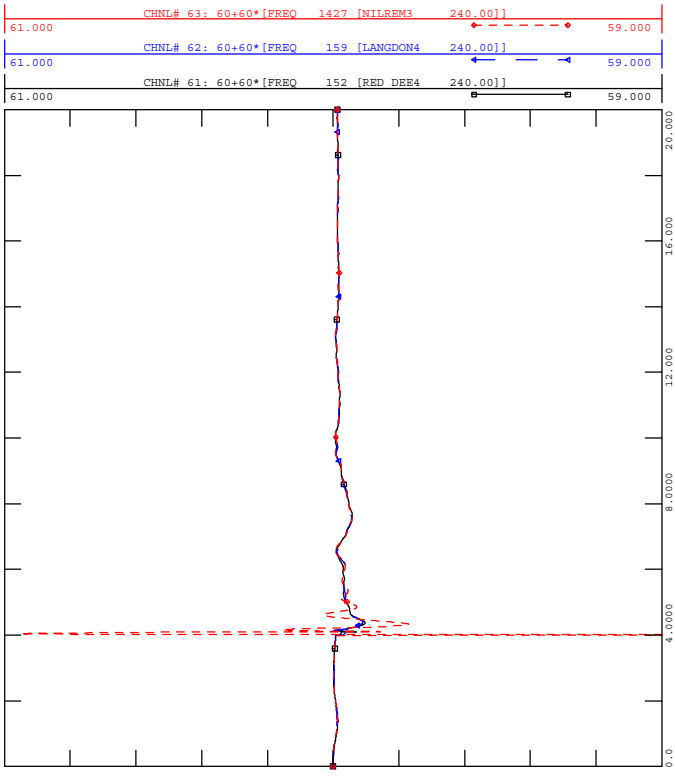


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7

MON, NOV 21 2016 13:40

FREQUENCY

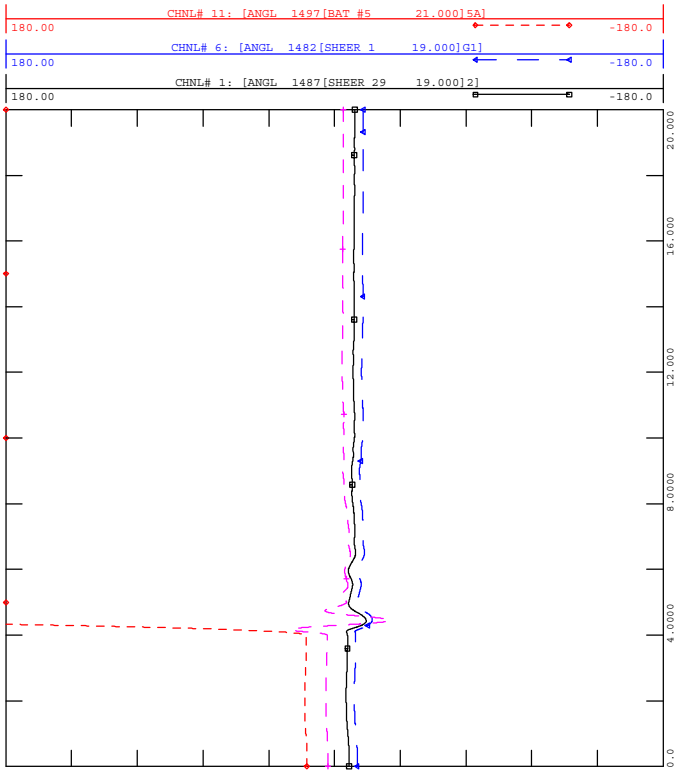


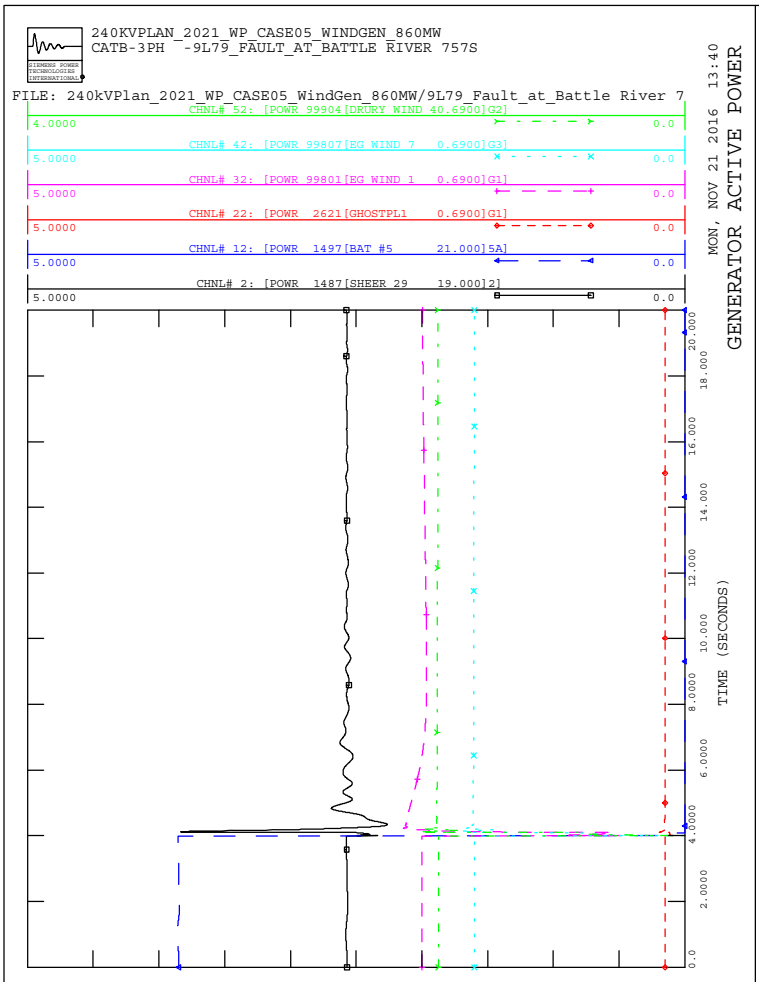
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S

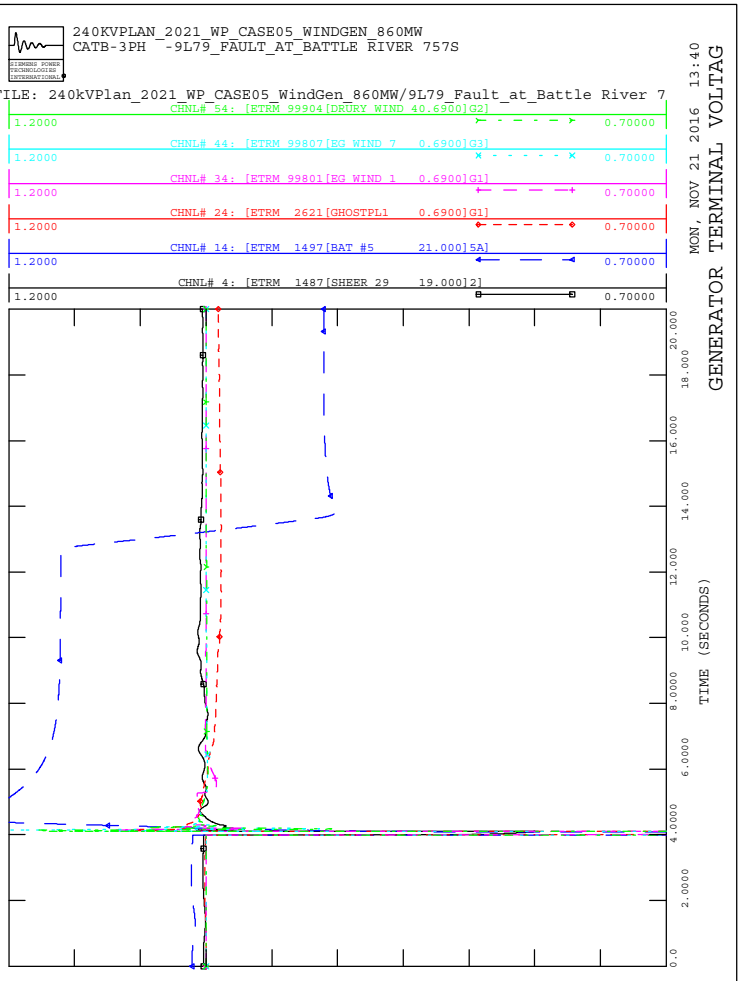
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7

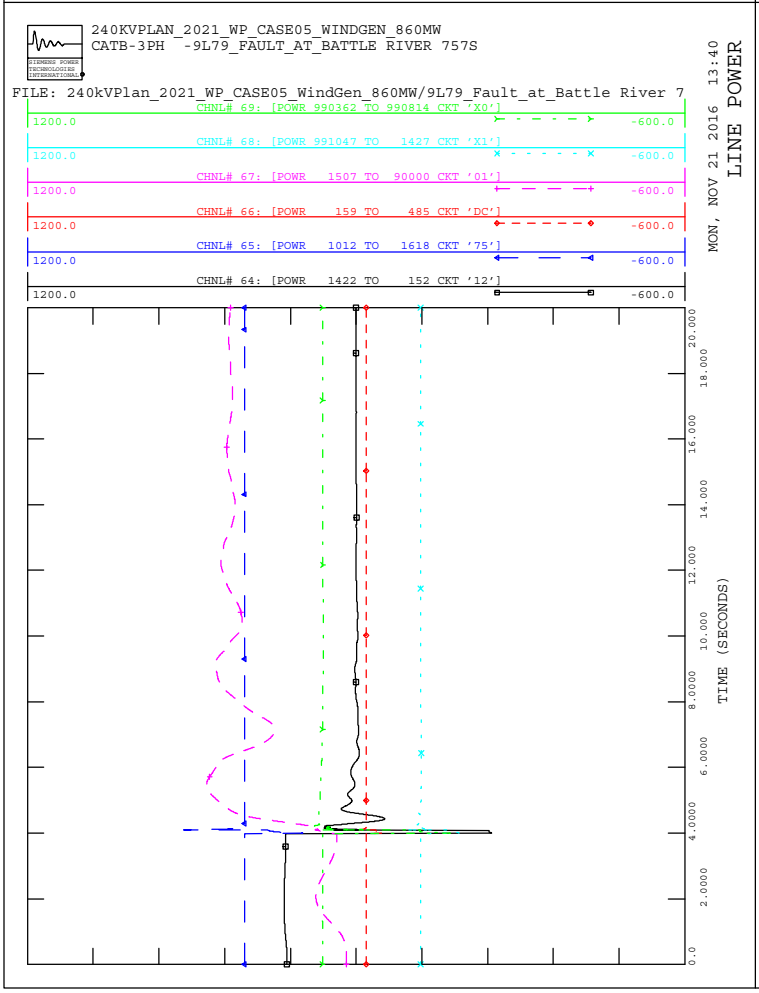
MON, NOV 21 2016 13:40

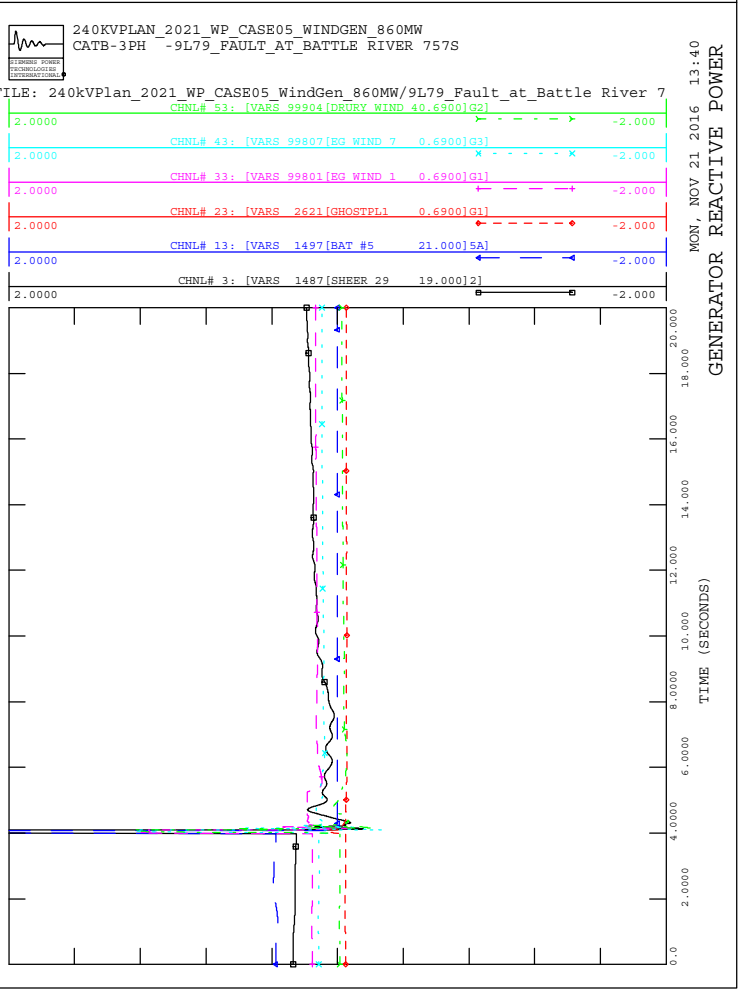
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 13:40
LINE POWER
TIME (SECONDS)

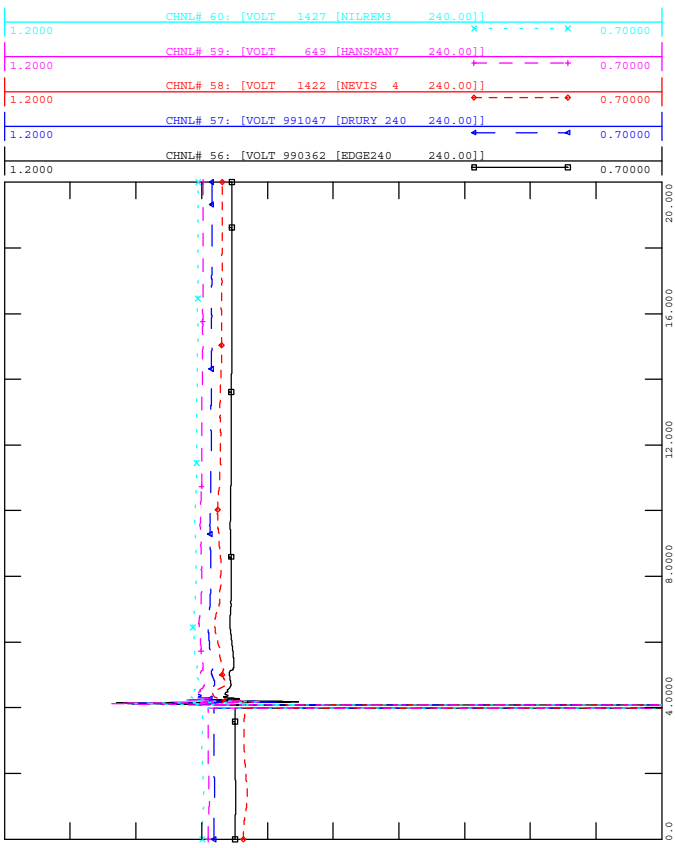

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

BUS VOLTAGE

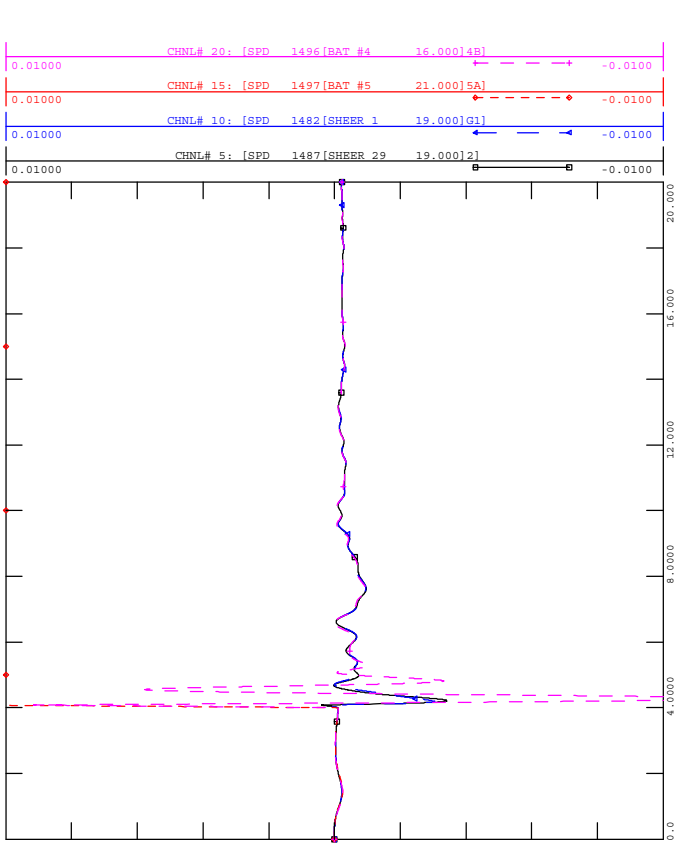


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

MACHINE SPEED

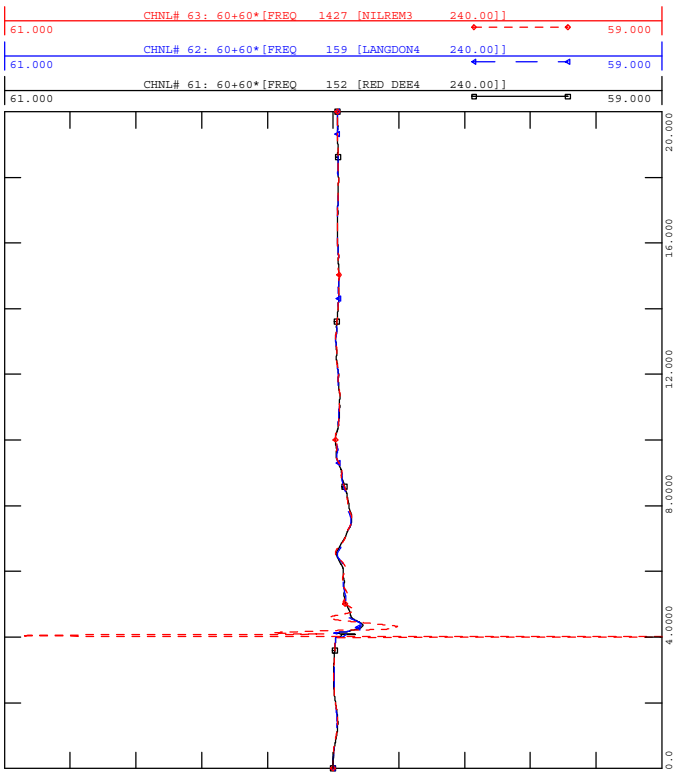


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

FREQUENCY

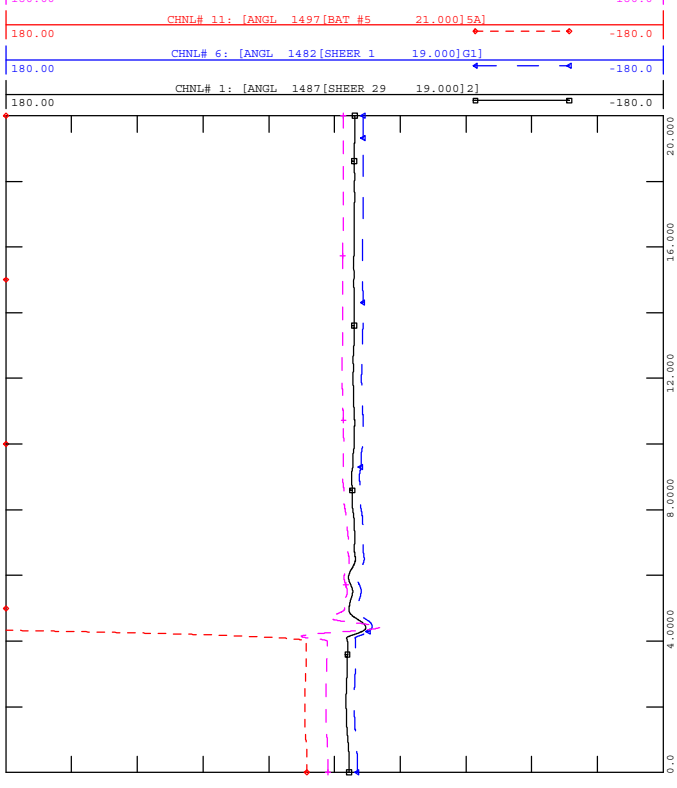


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

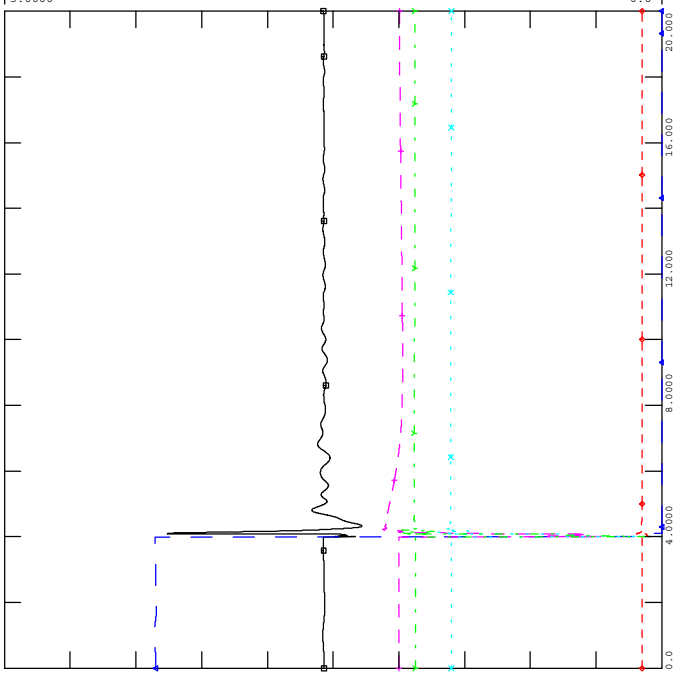
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

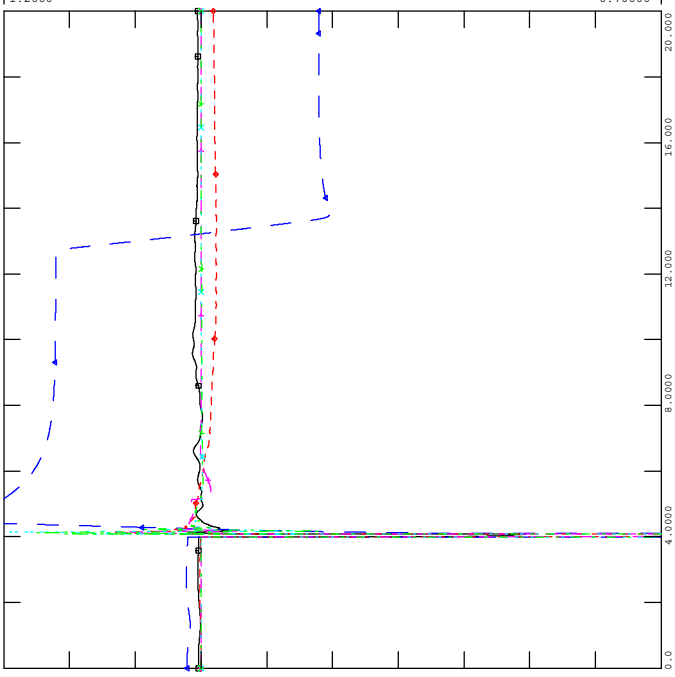
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

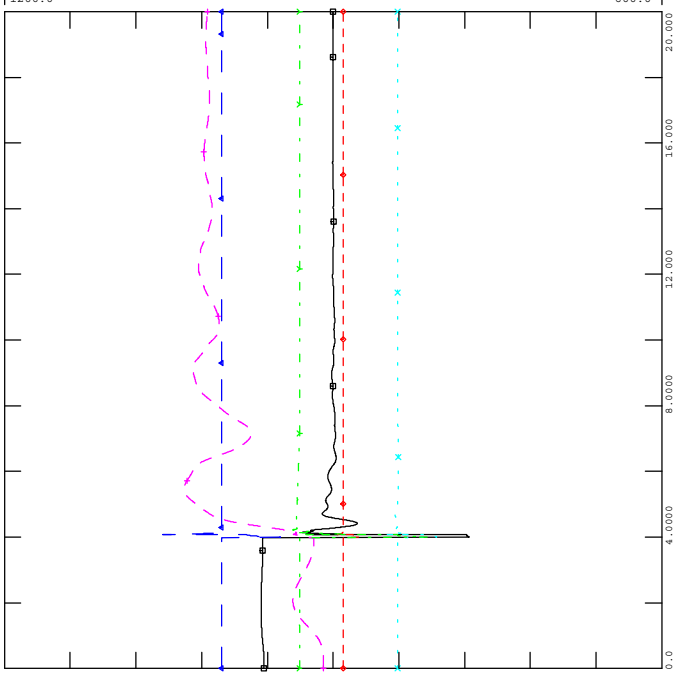
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L79_FAULT_AT_CORDEL 755S

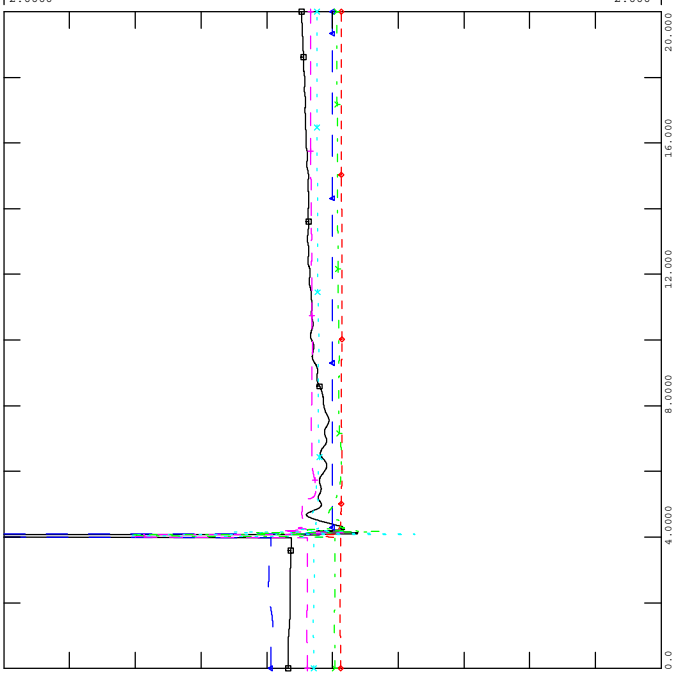
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

TIME (SECONDS)

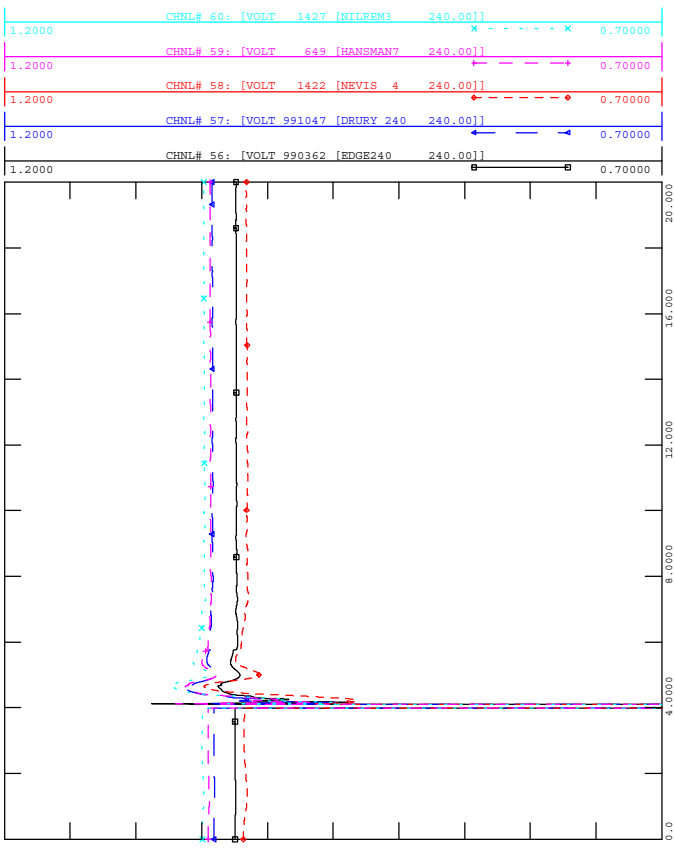


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 13:40

BUS VOLTAGE

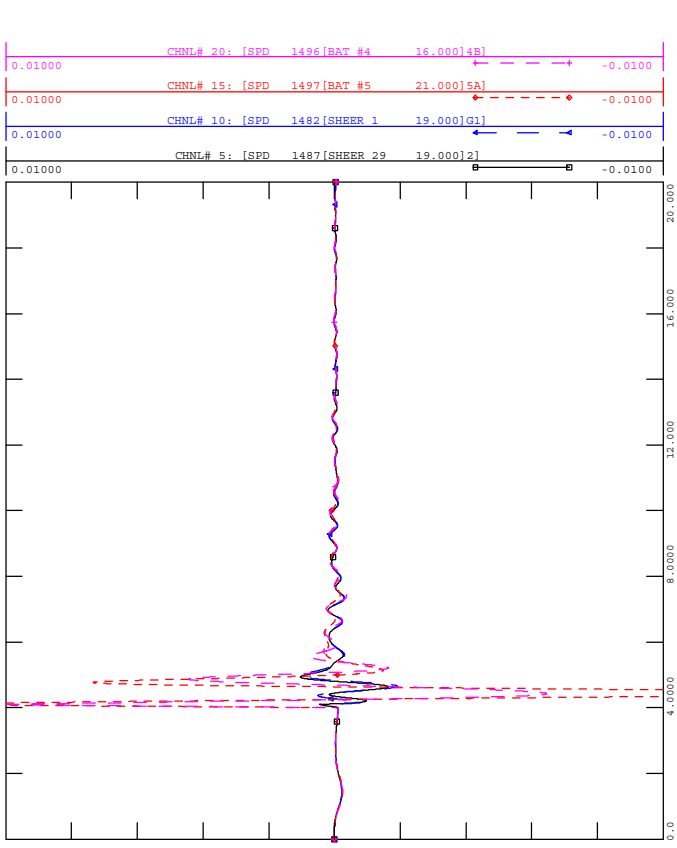


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 13:40

MACHINE SPEED

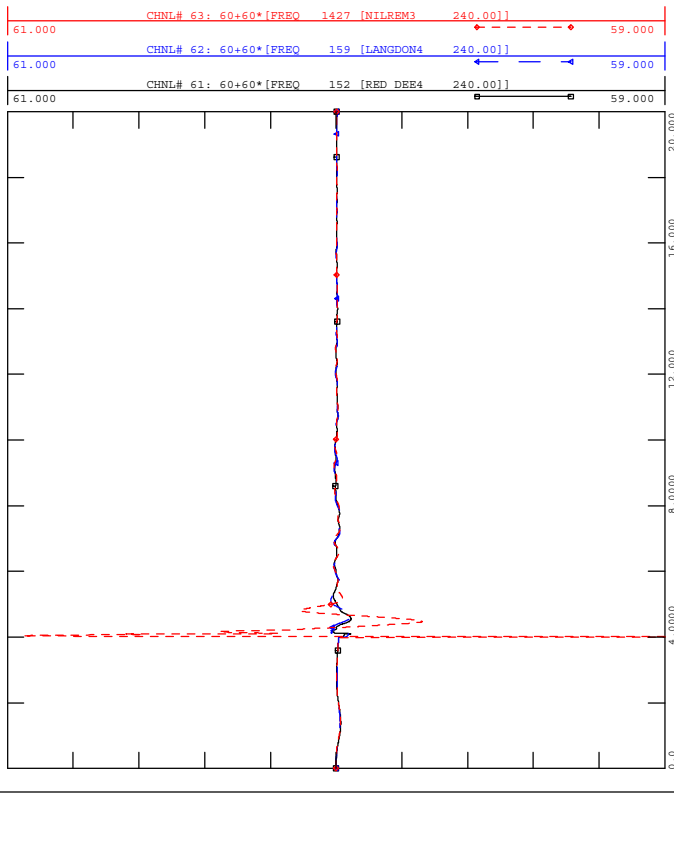


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 13:40

FREQUENCY

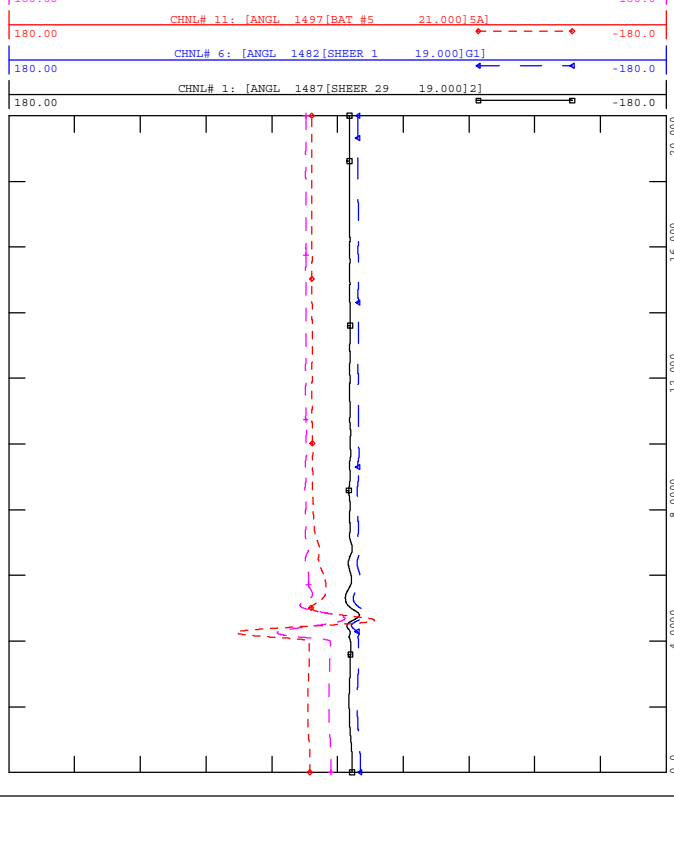


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7

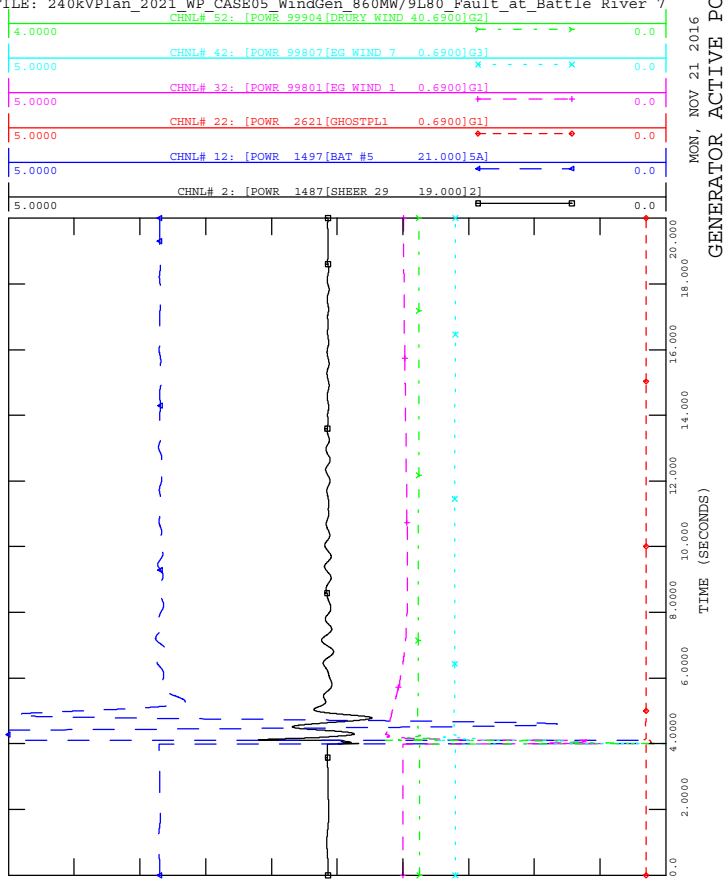
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

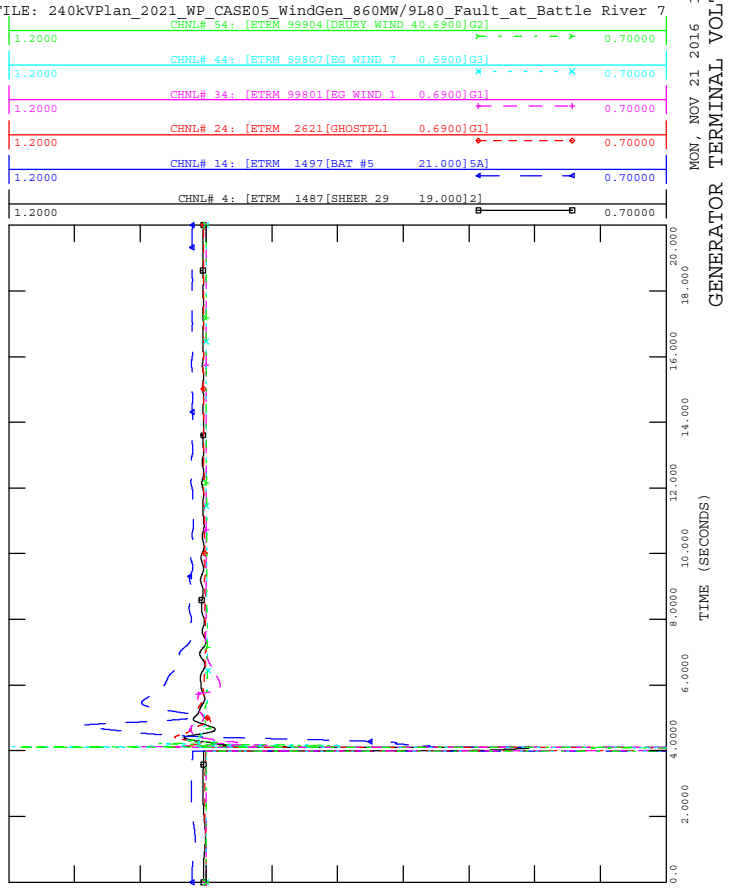
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

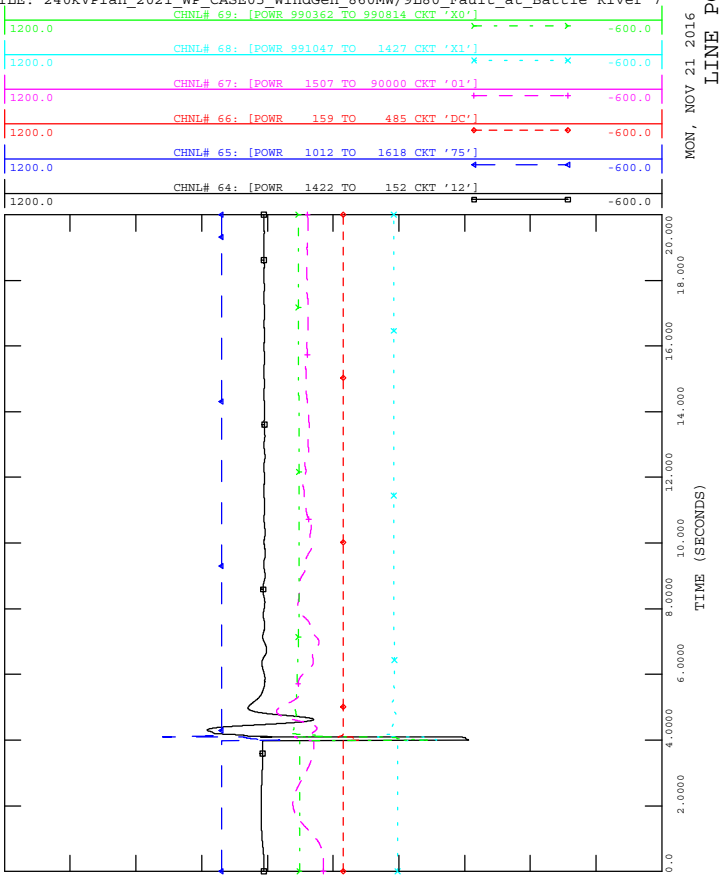
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

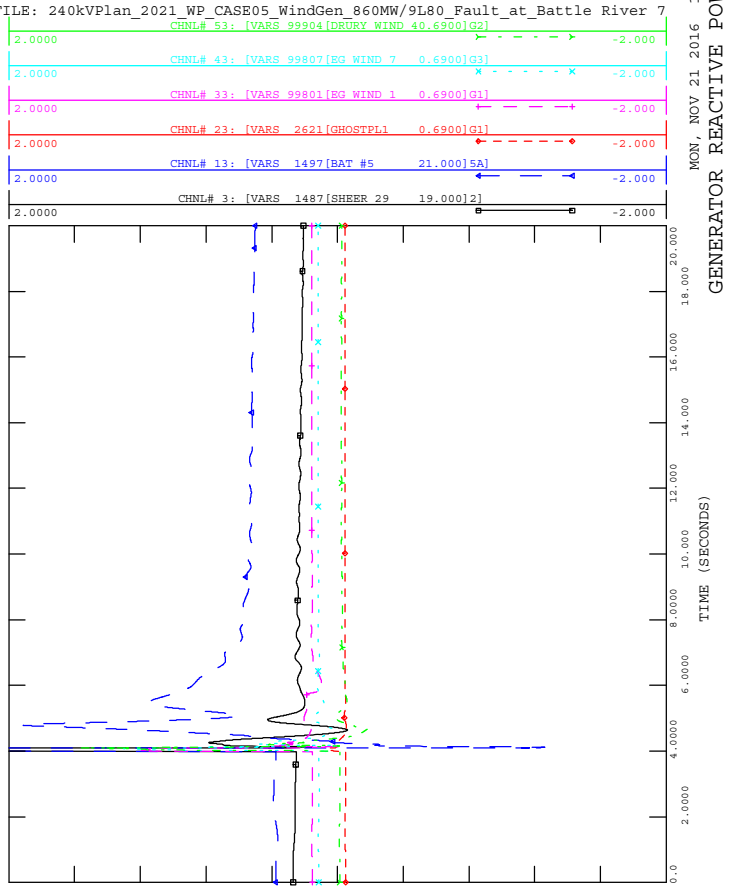
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7



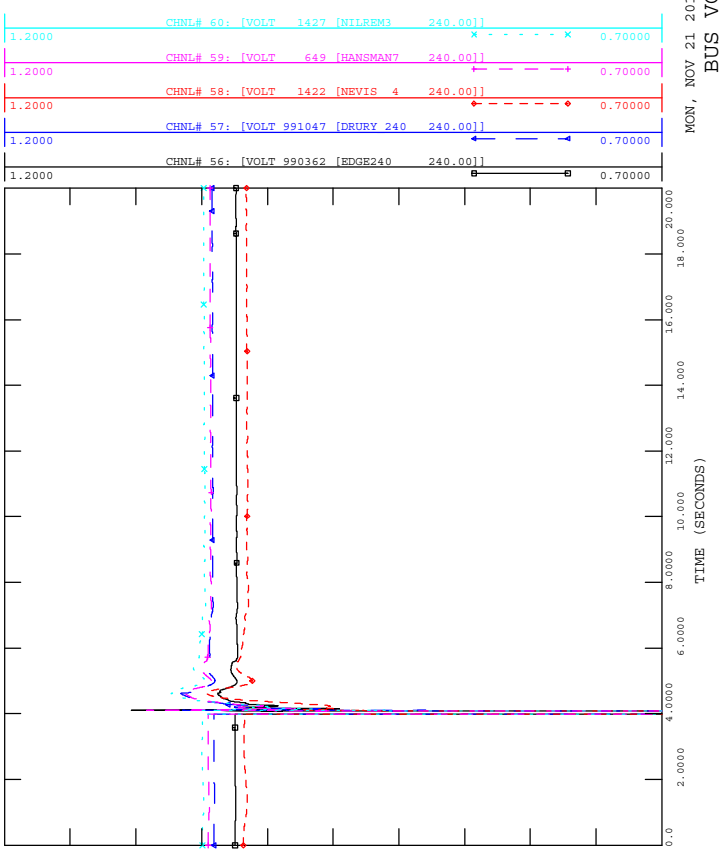
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

BUS VOLTAGE

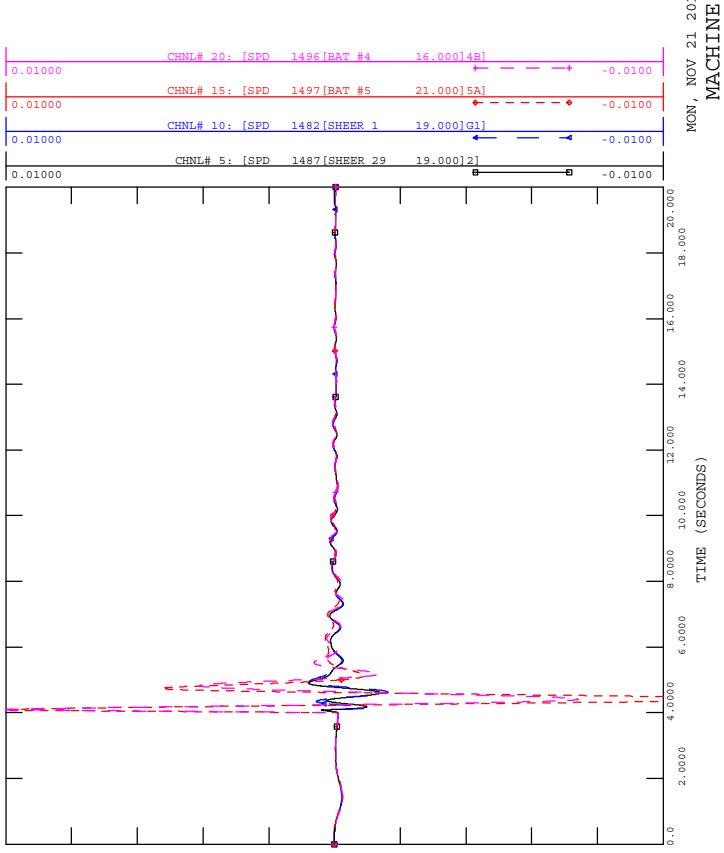


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

MACHINE SPEED

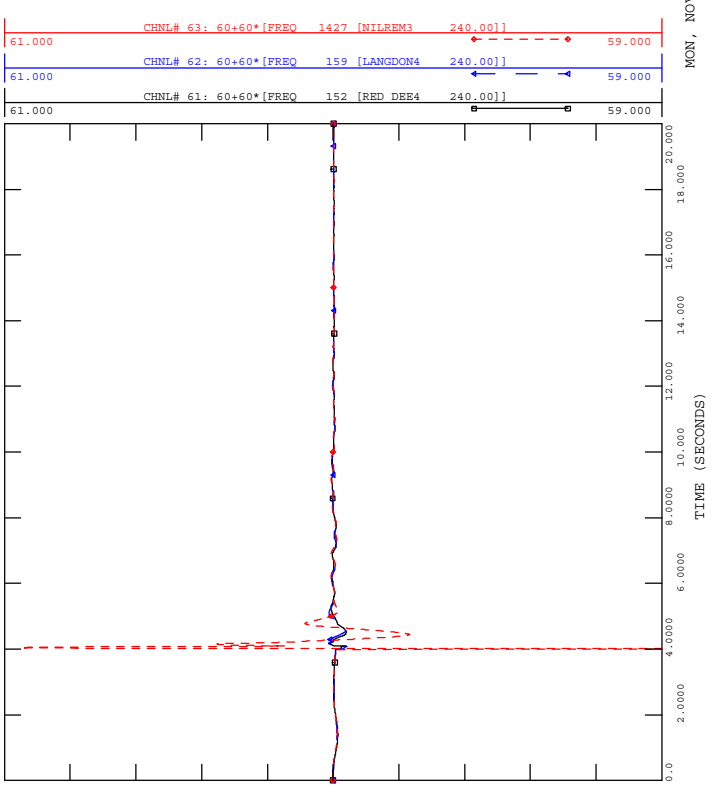


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 13:40

FREQUENCY

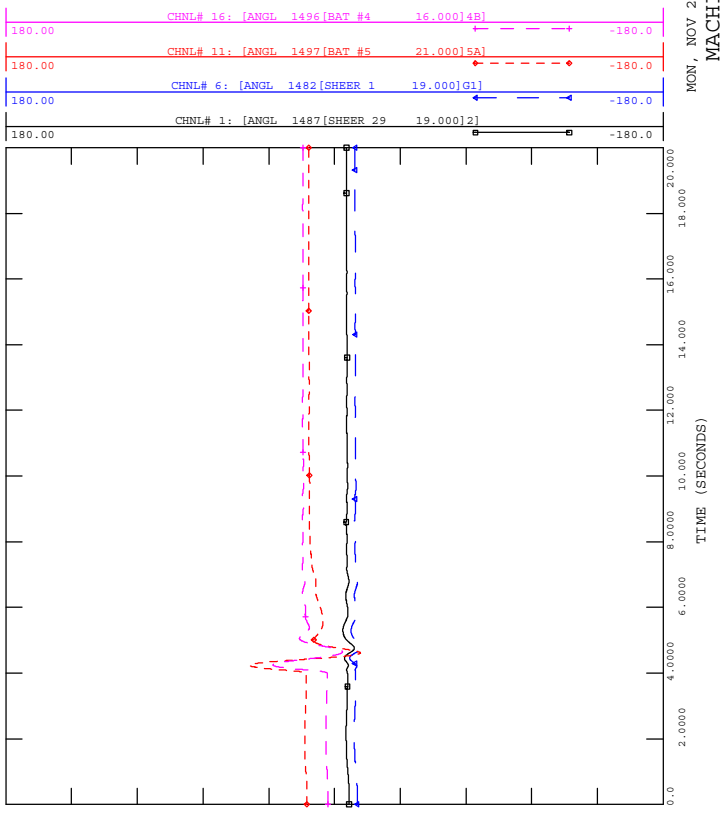


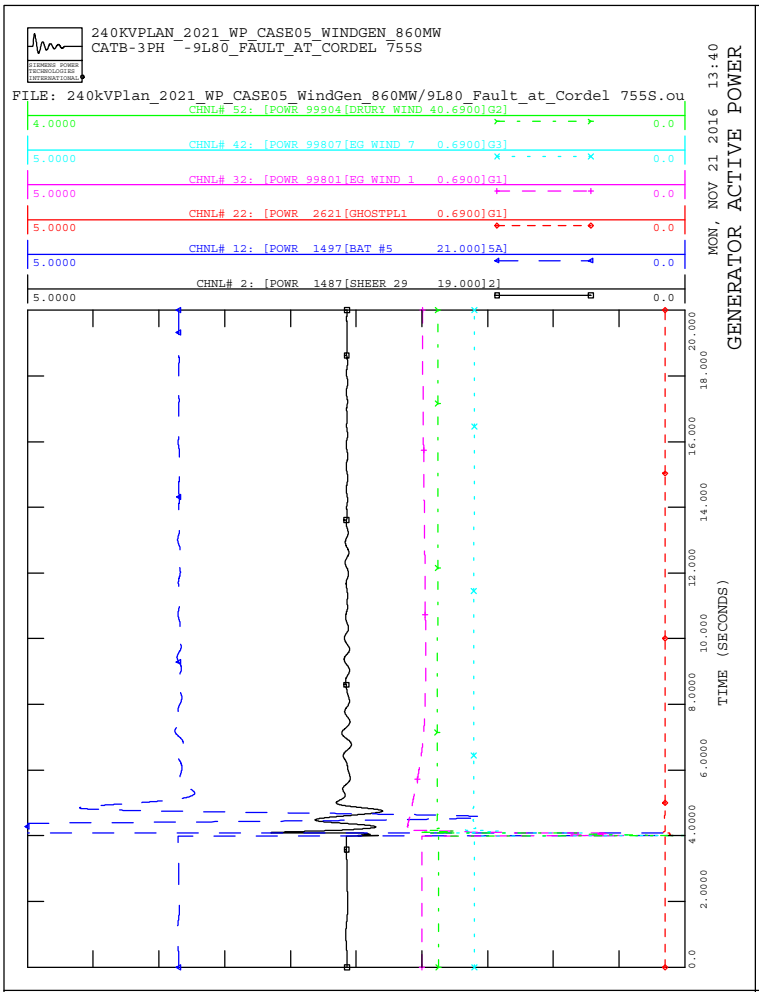
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S

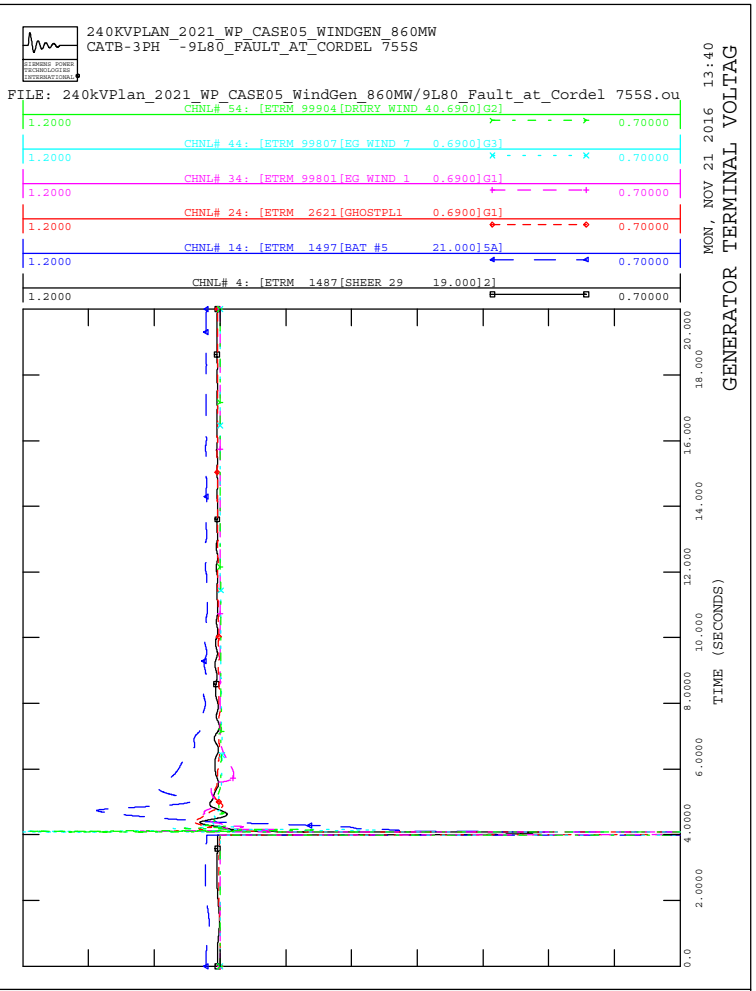
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

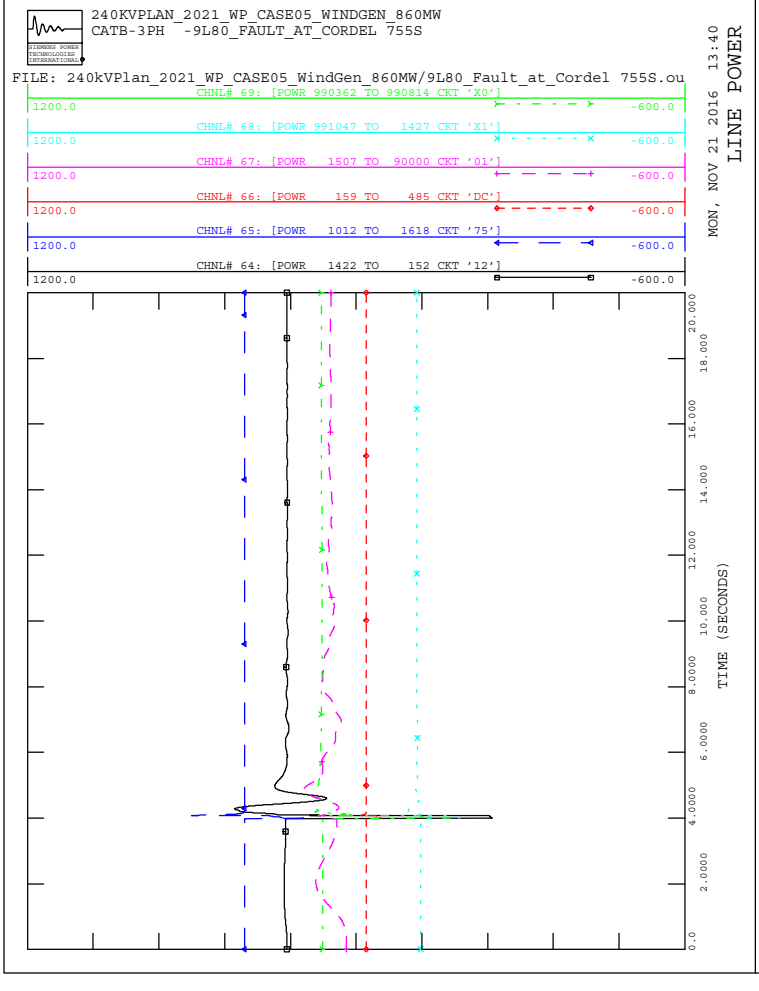
MON, NOV 21 2016 13:40

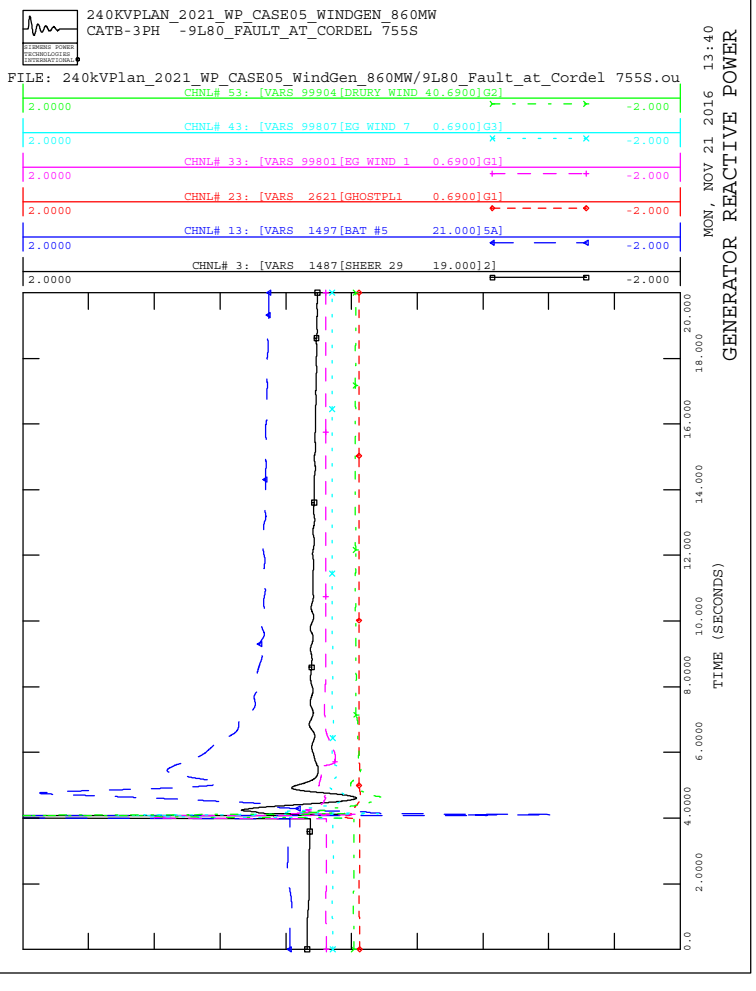
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

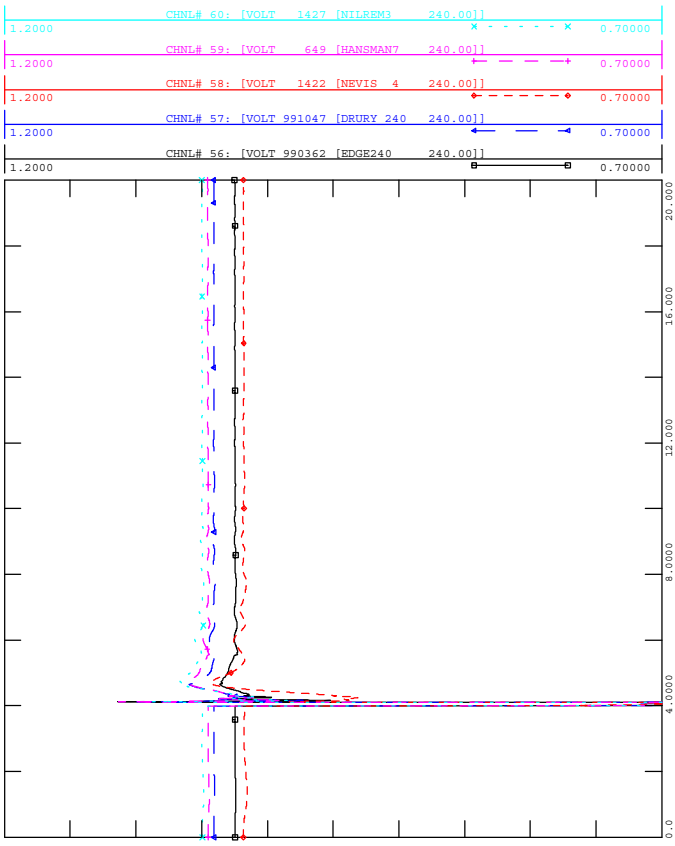

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L80_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

BUS VOLTAGE

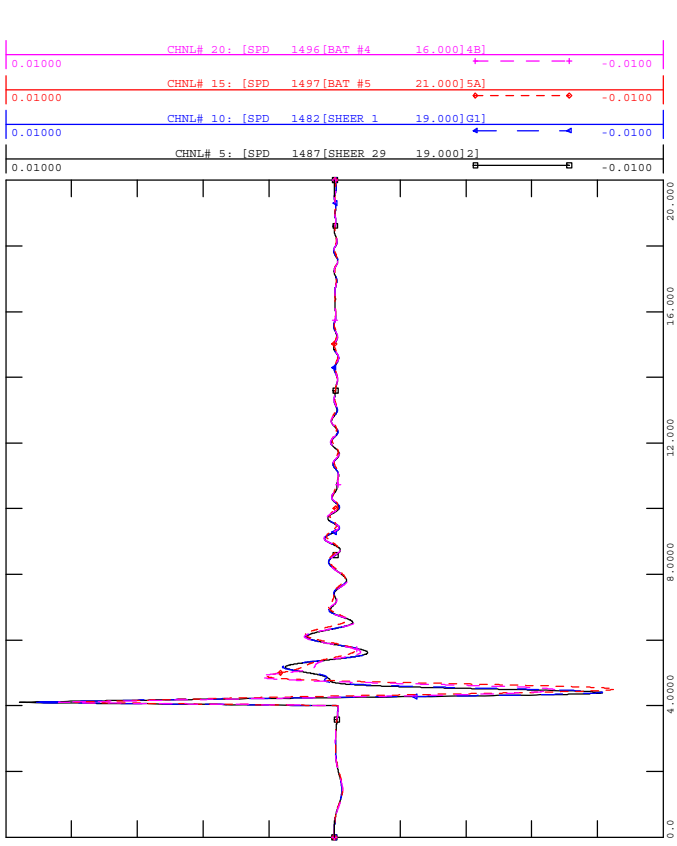


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

MACHINE SPEED

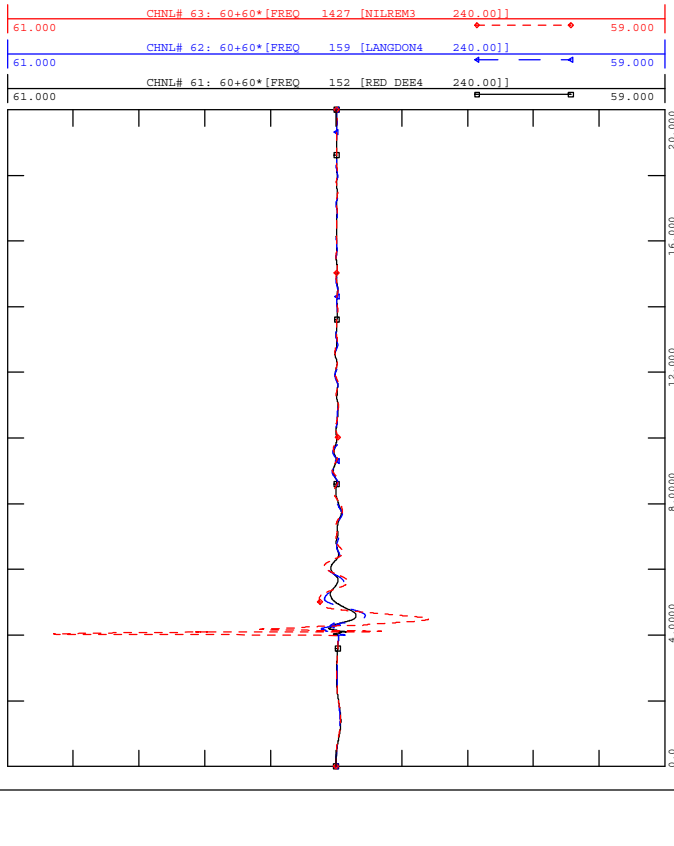


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

MON, NOV 21 2016 13:40

FREQUENCY

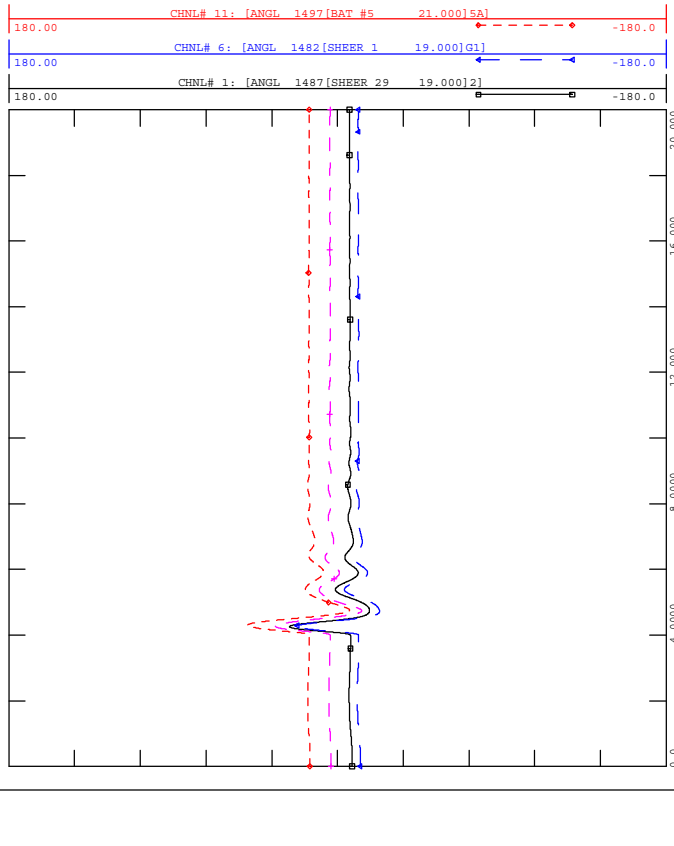


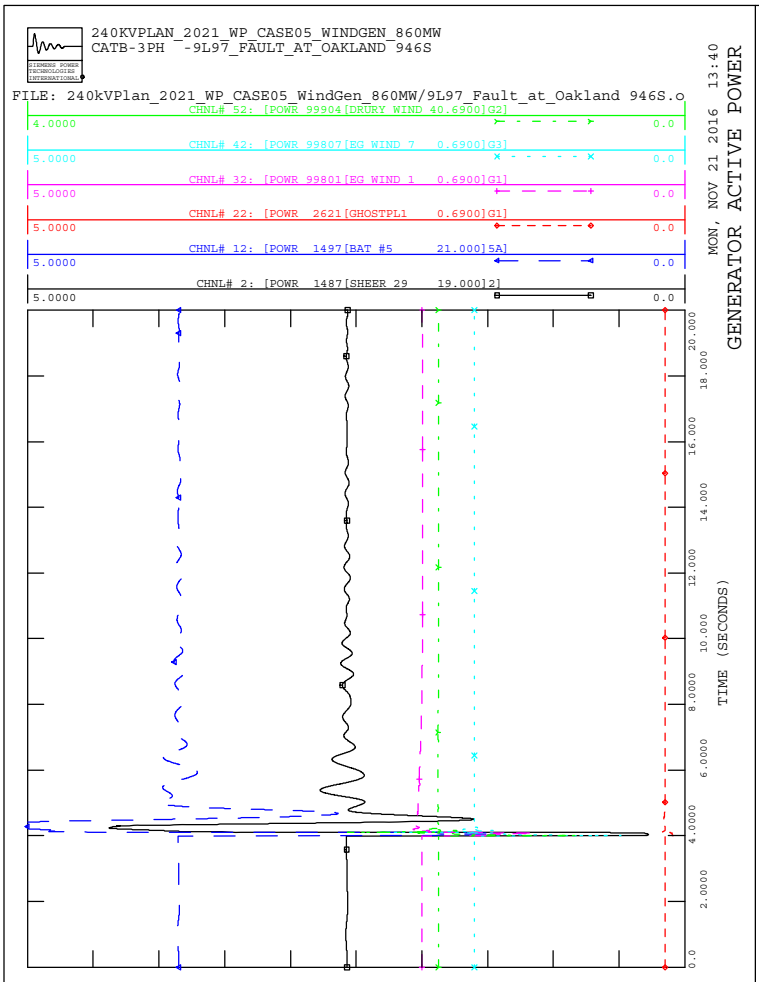
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S

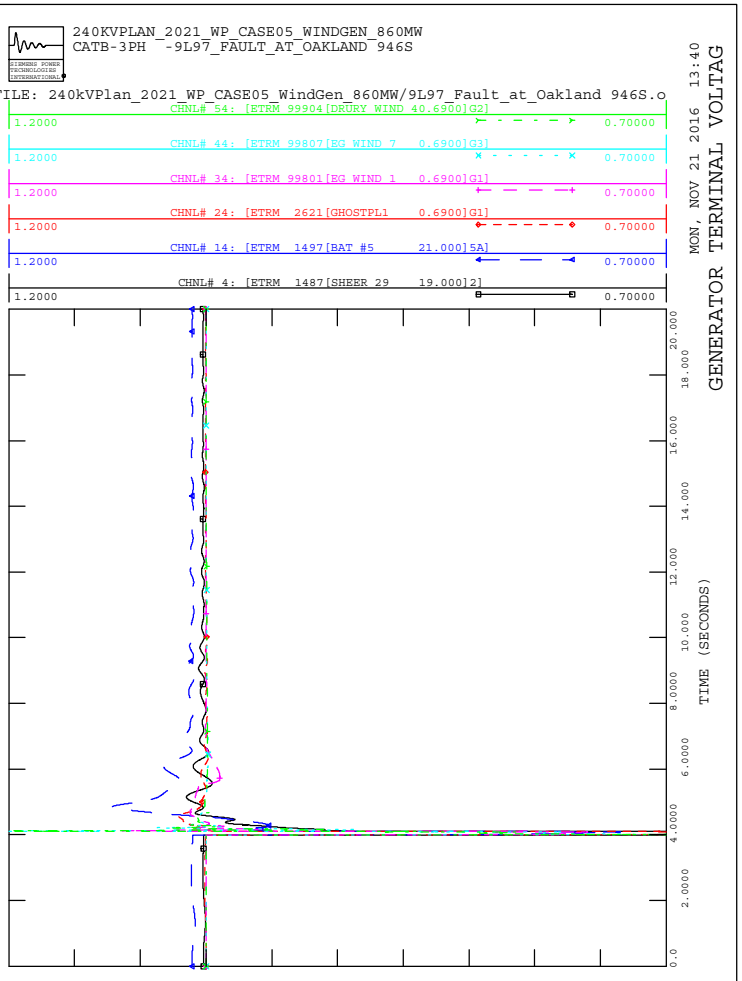
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

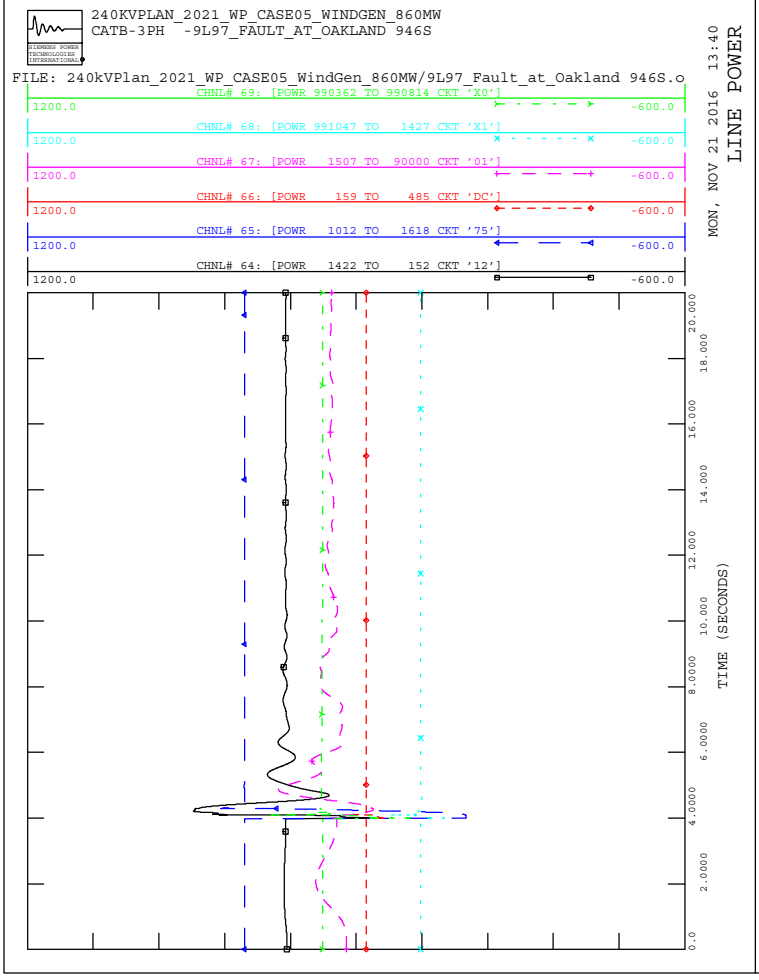
MON, NOV 21 2016 13:40

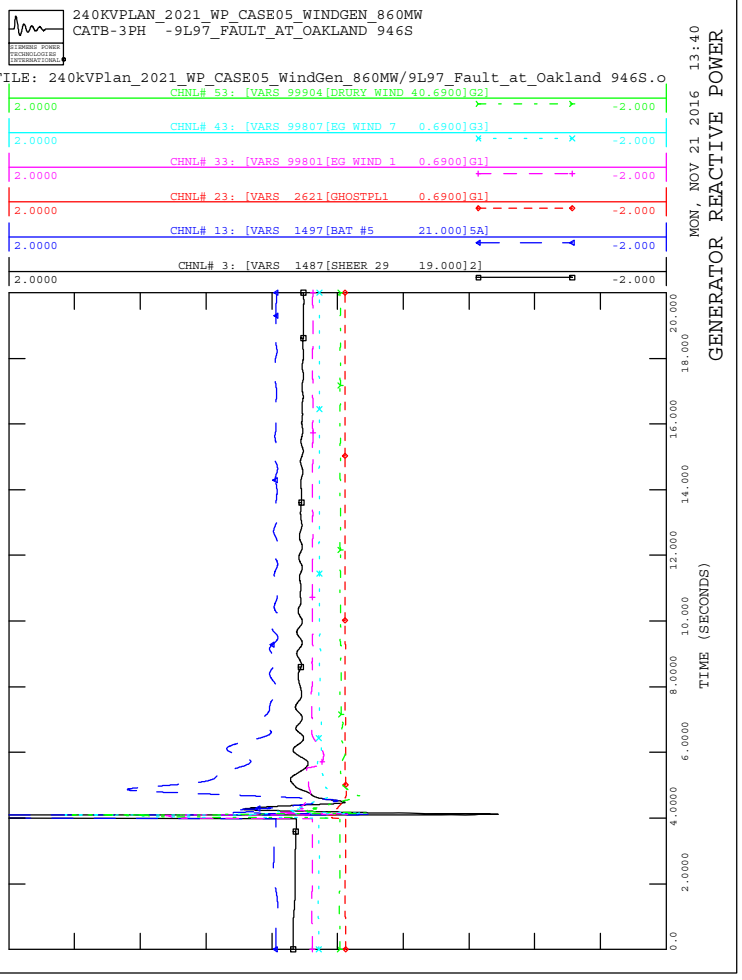
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

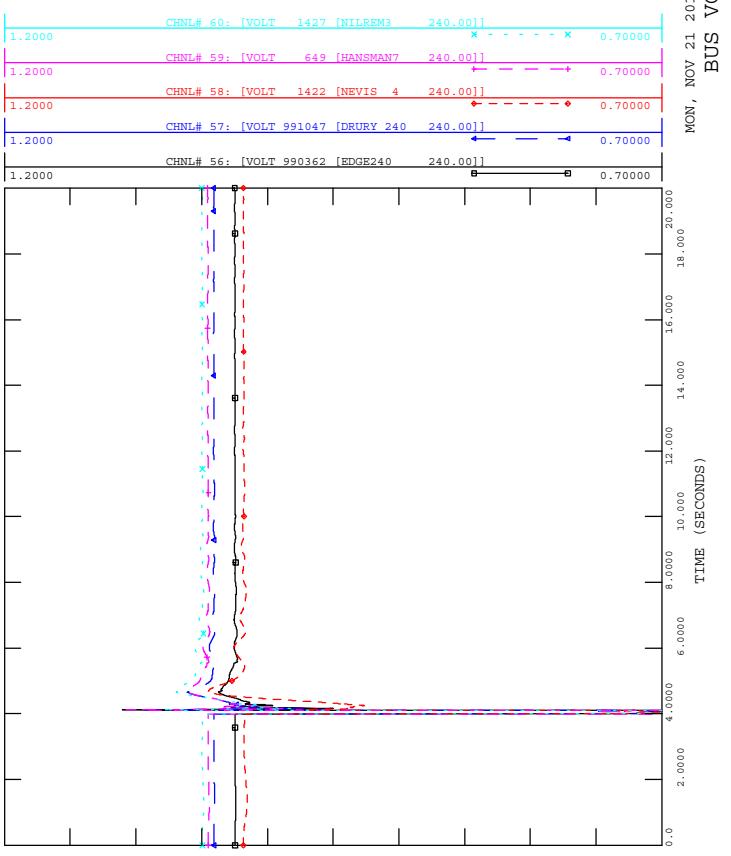

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:40

BUS VOLTAGE

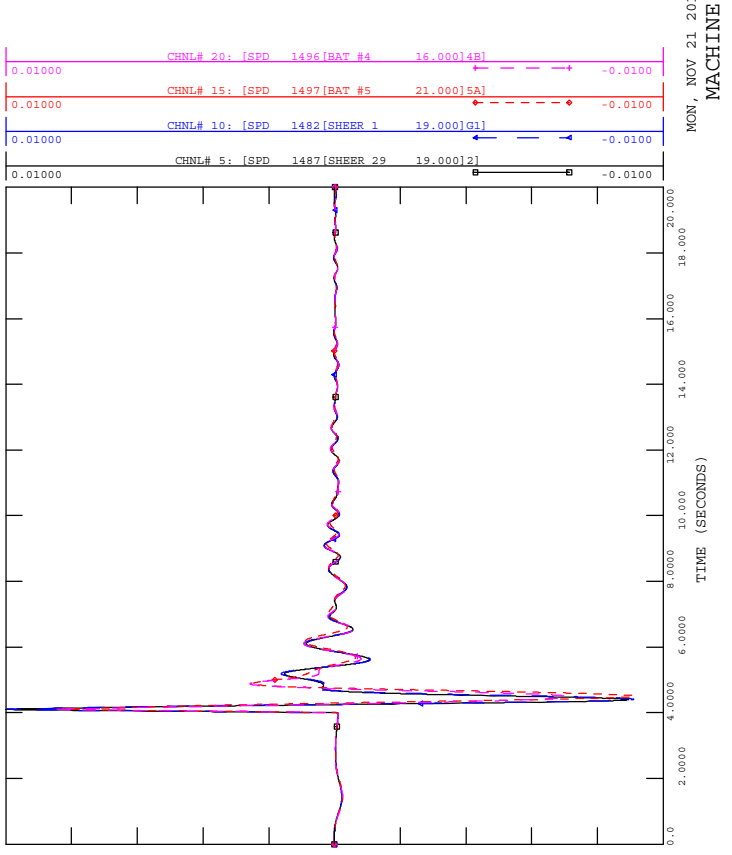


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:40

MACHINE SPEED

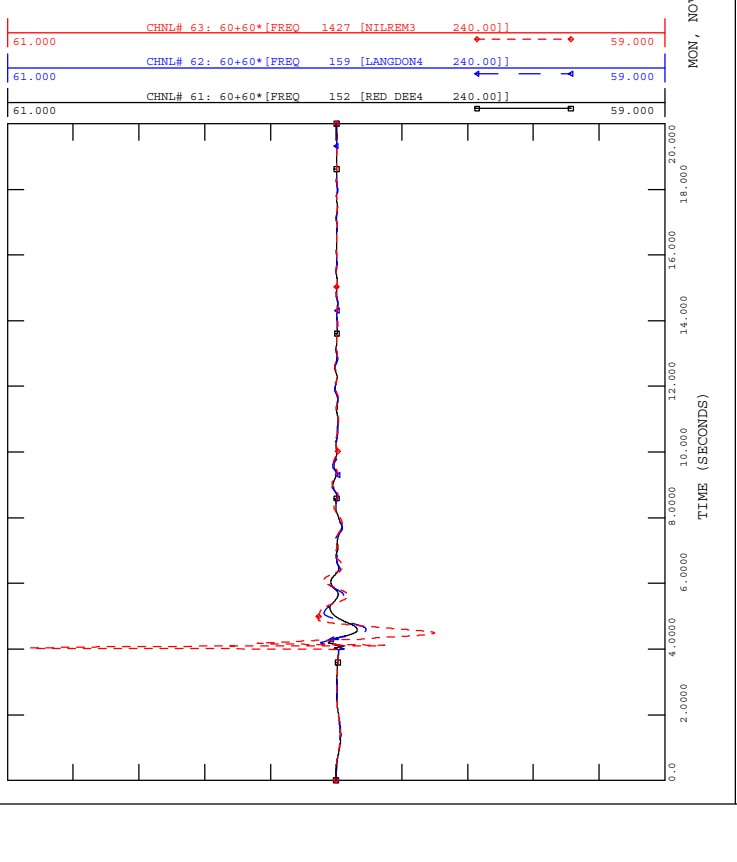


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.

MON, NOV 21 2016 13:40

FREQUENCY

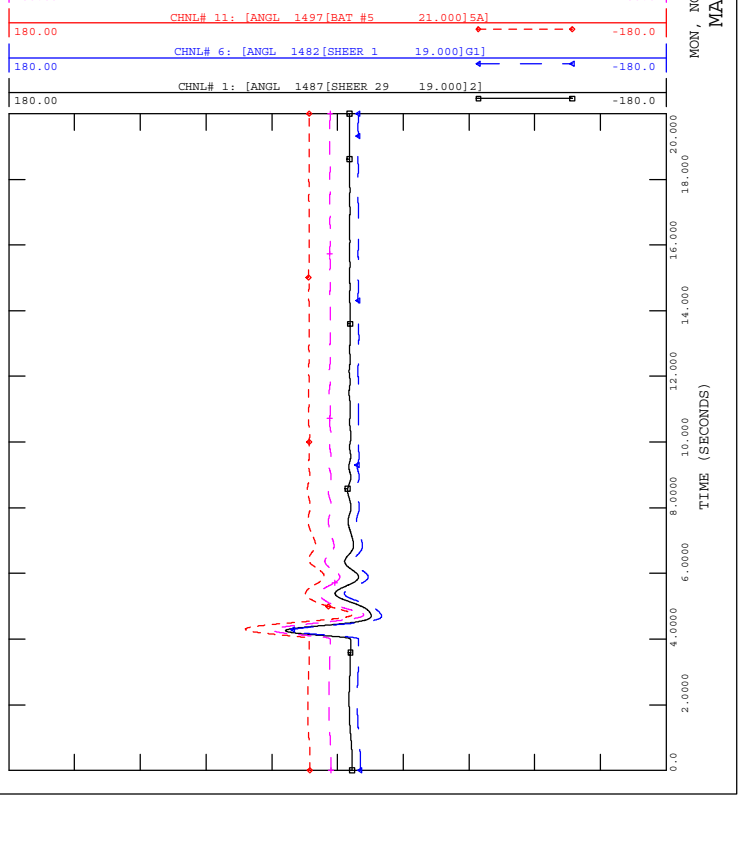


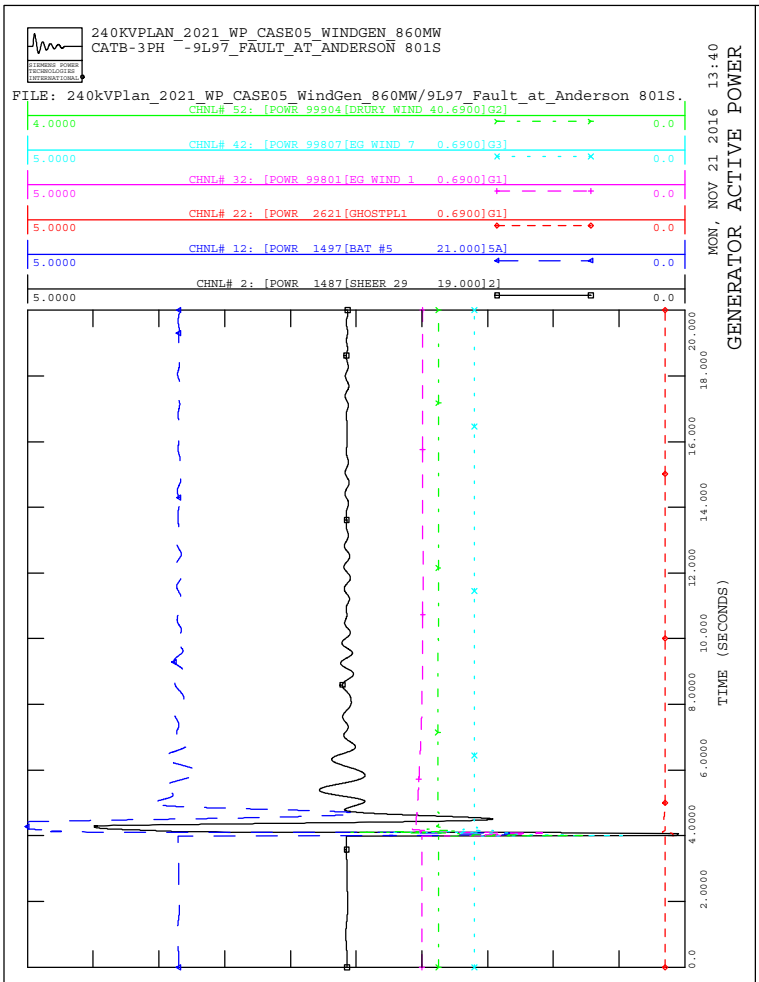
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S

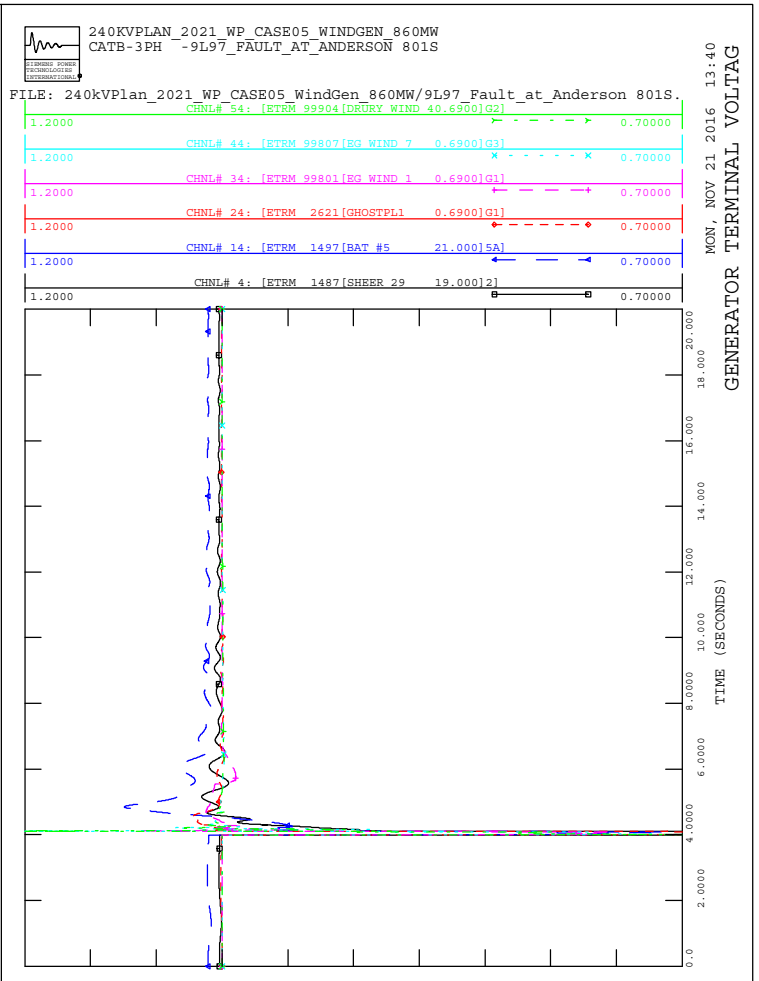
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.

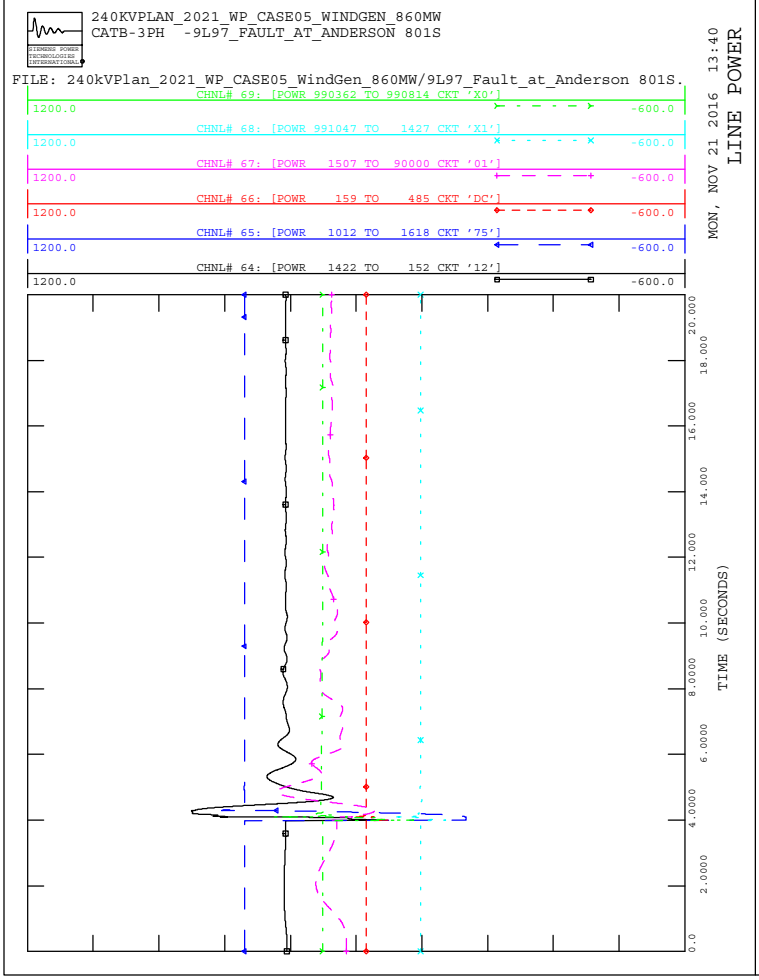
MON, NOV 21 2016 13:40

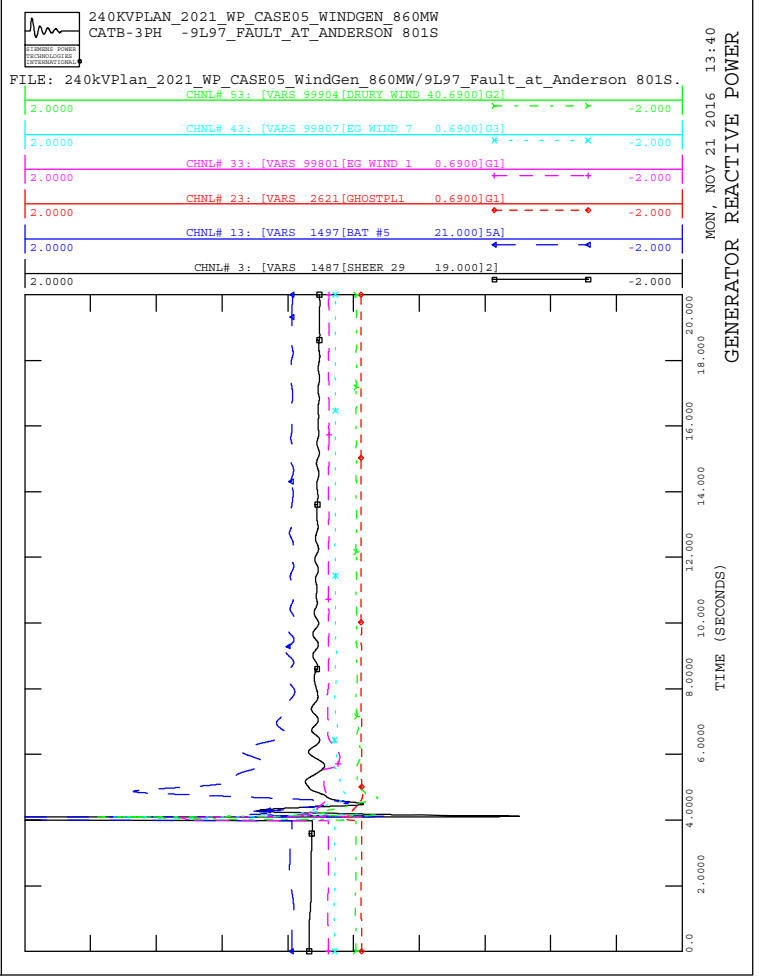
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.
MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.
MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.
MON, NOV 21 2016 13:40
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)

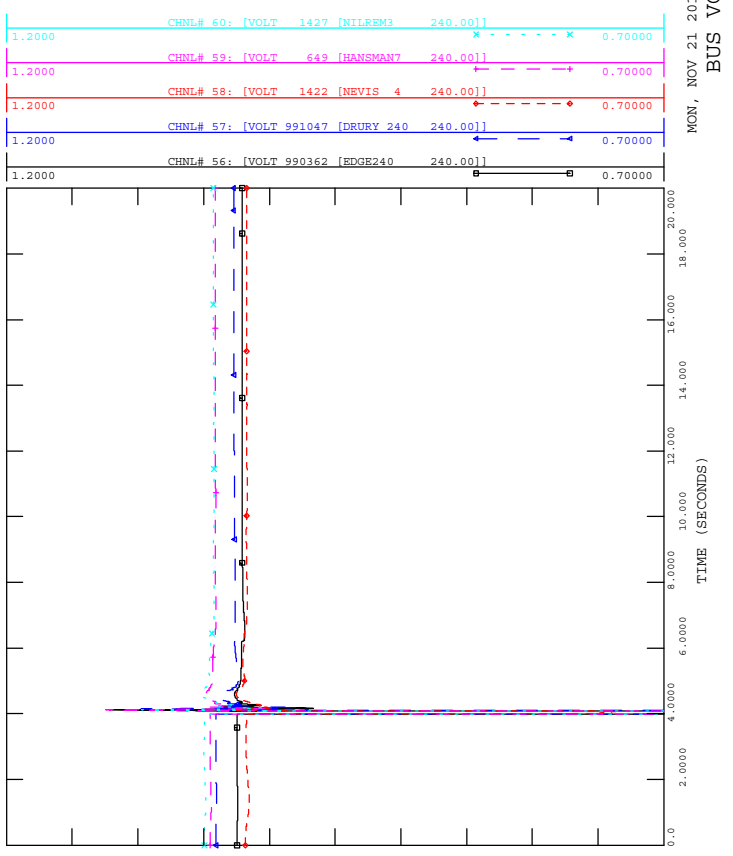

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -9L97_FAULT_AT_ANDERSON 801S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 13:40

BUS VOLTAGE

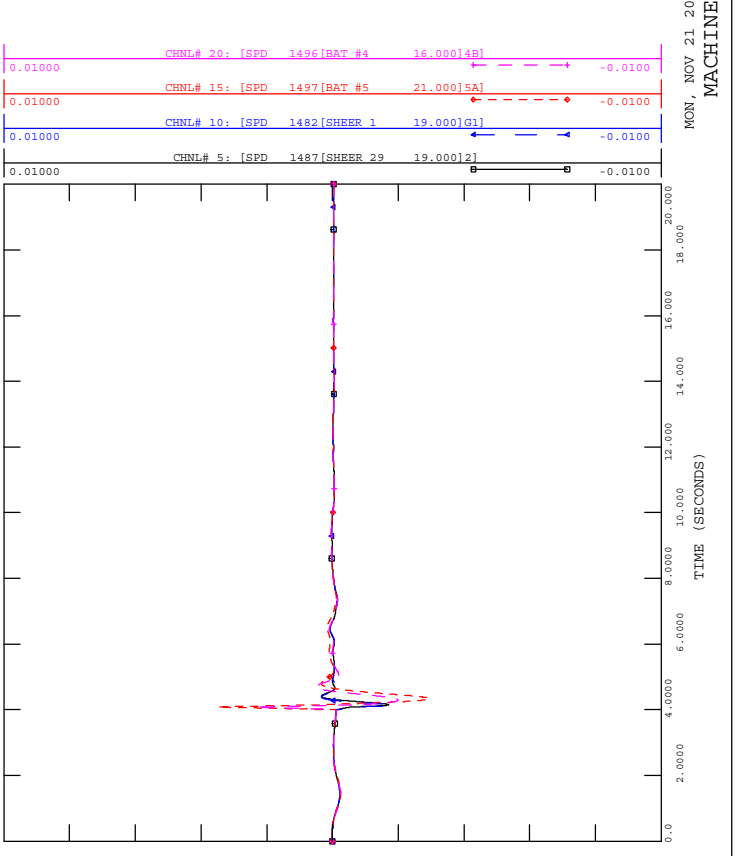


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 13:40

MACHINE SPEED

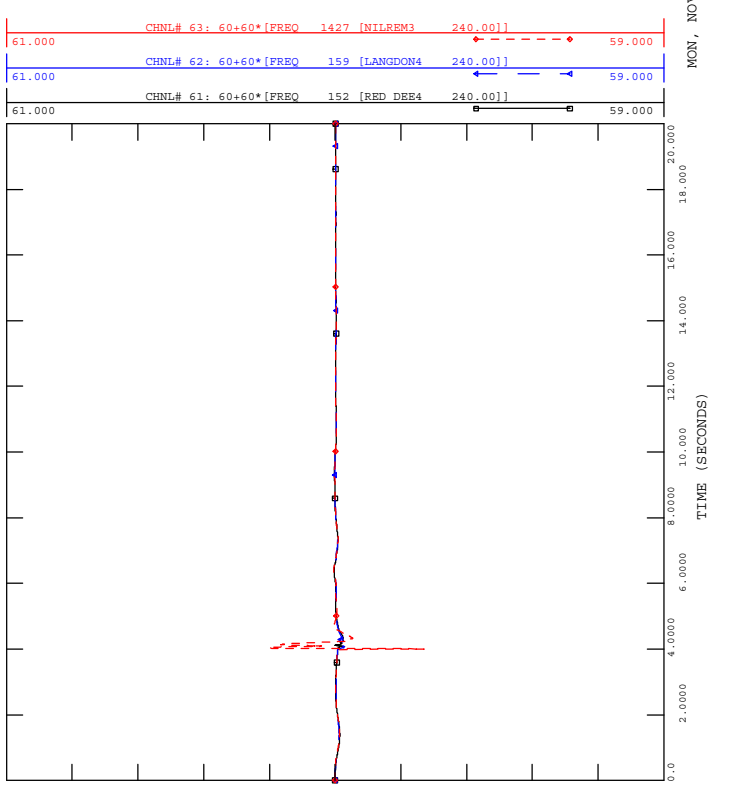


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 13:40

FREQUENCY

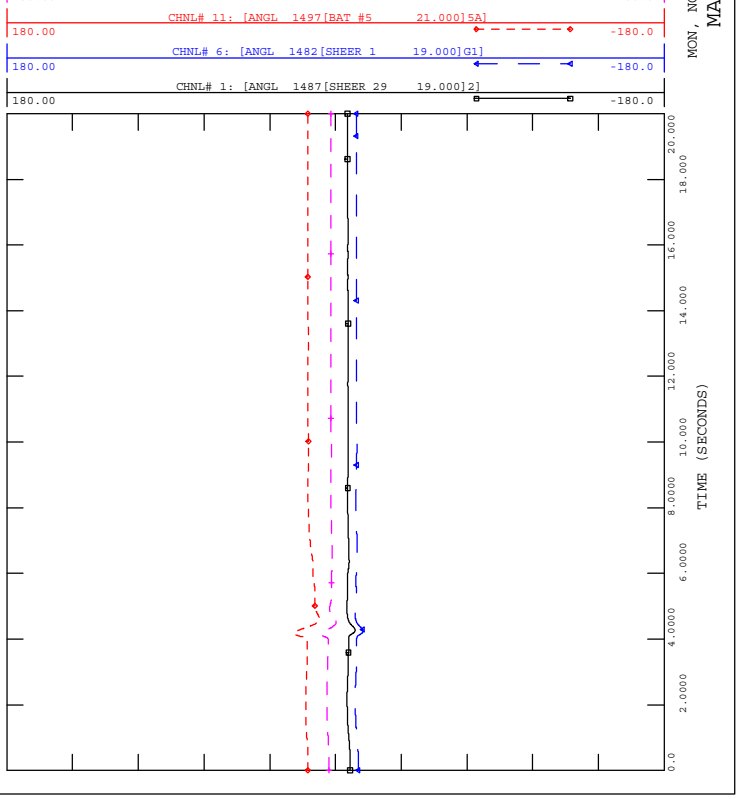


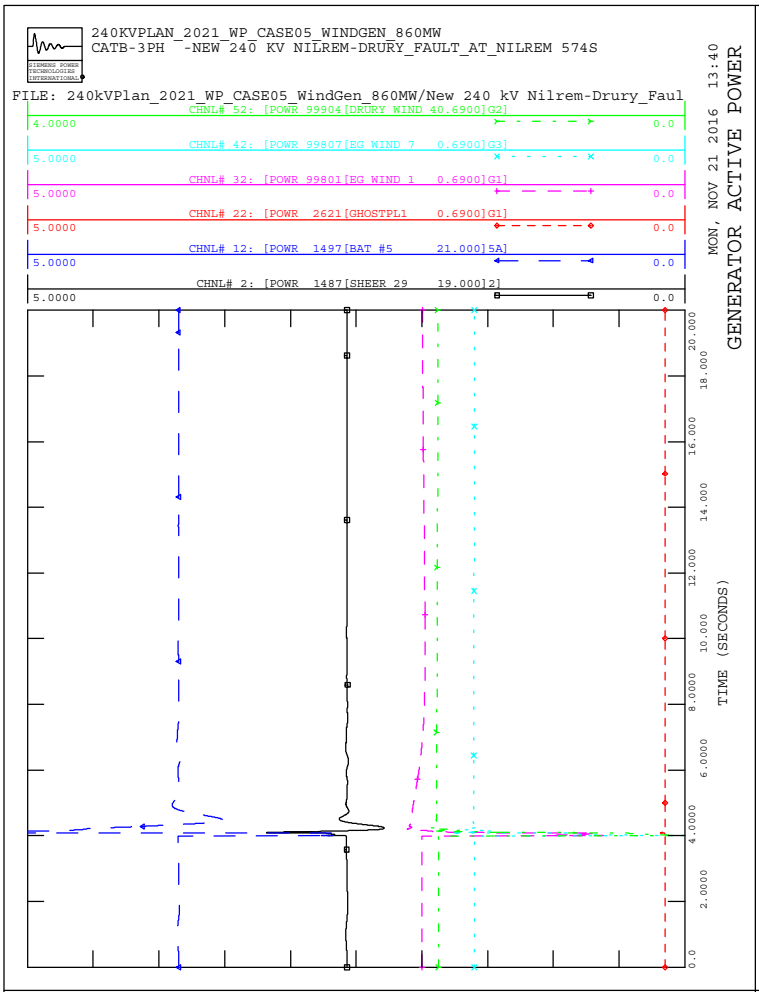
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

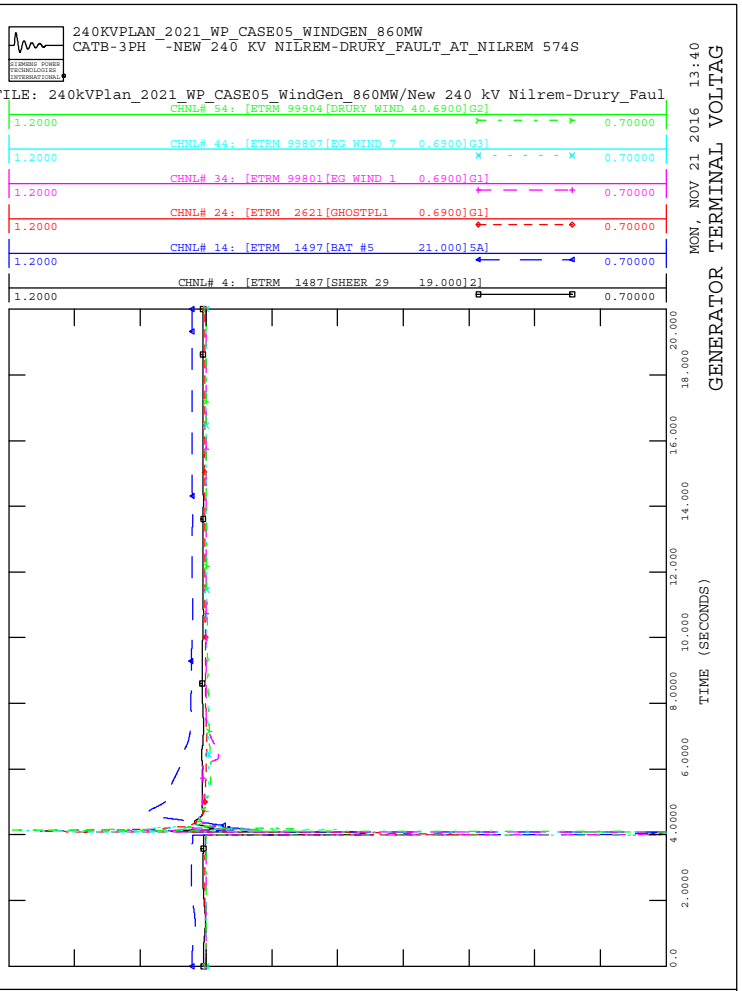
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

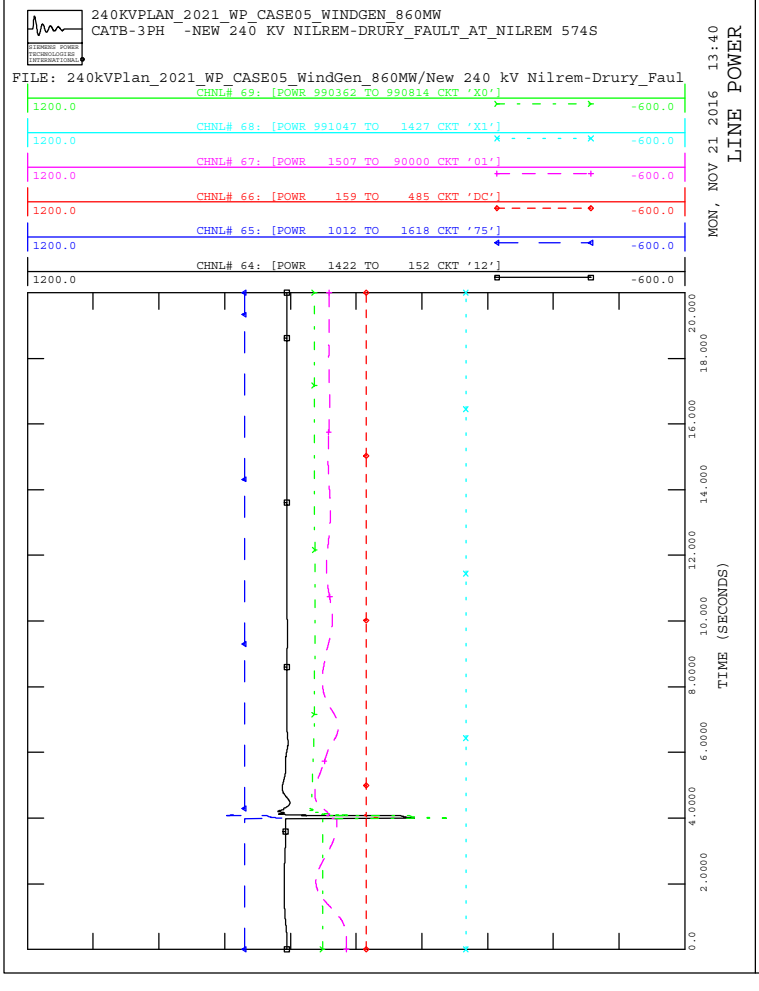
MON, NOV 21 2016 13:40

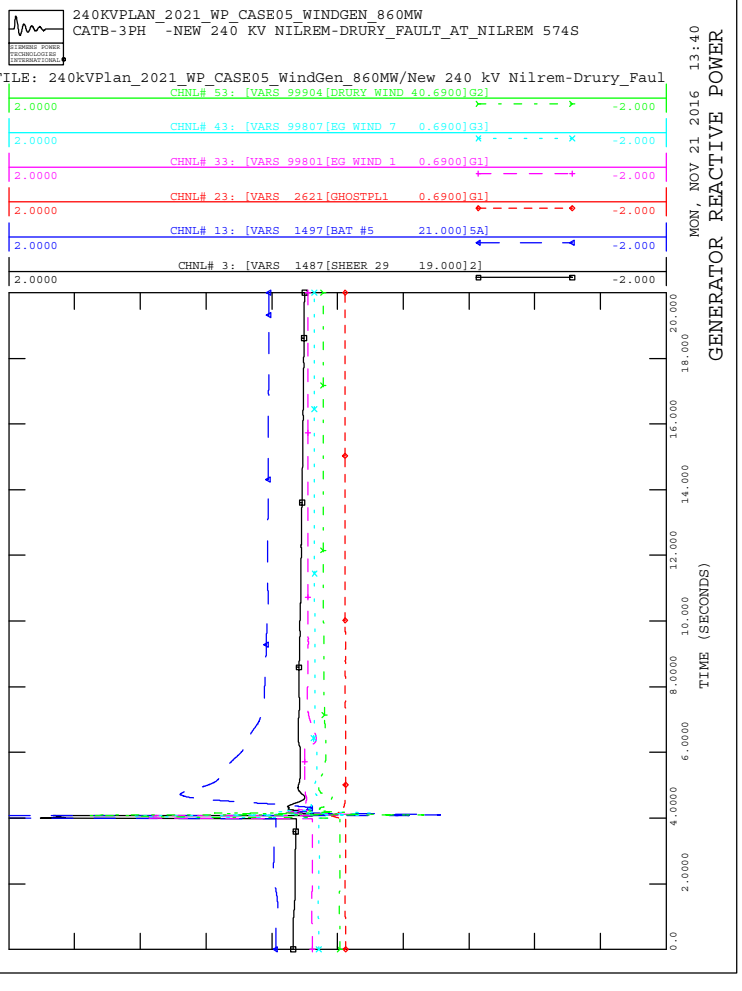
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

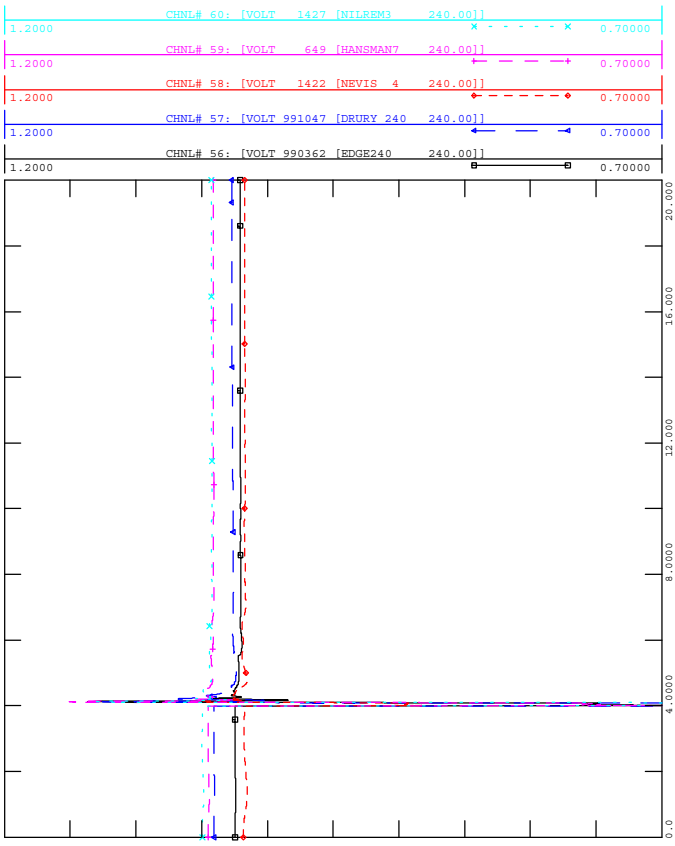

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 13:40

BUS VOLTAGE

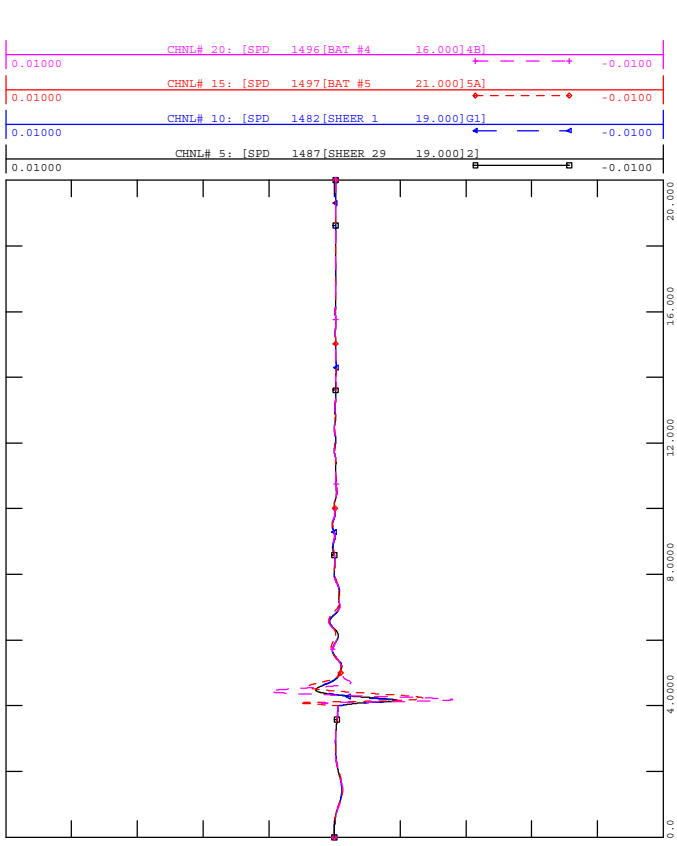


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 13:40

MACHINE SPEED

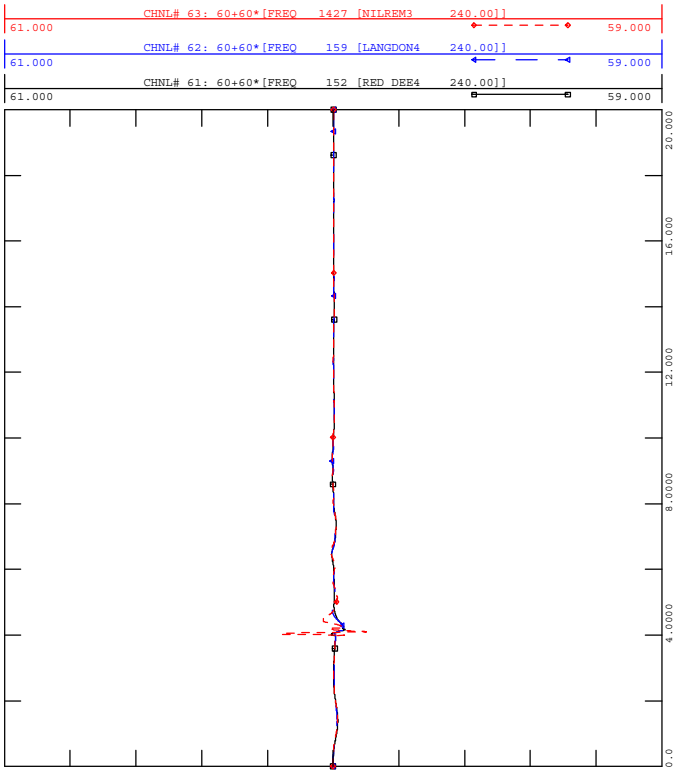


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 13:40

FREQUENCY

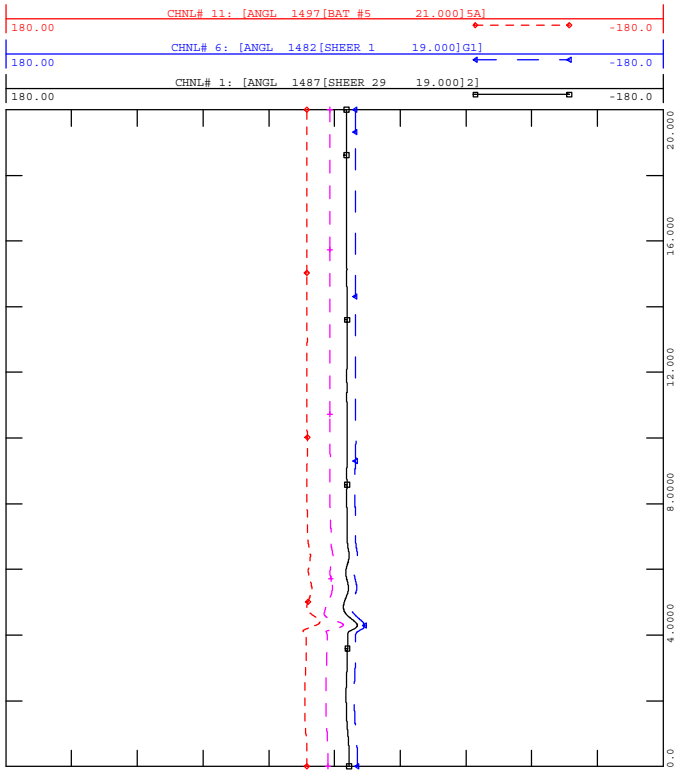


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

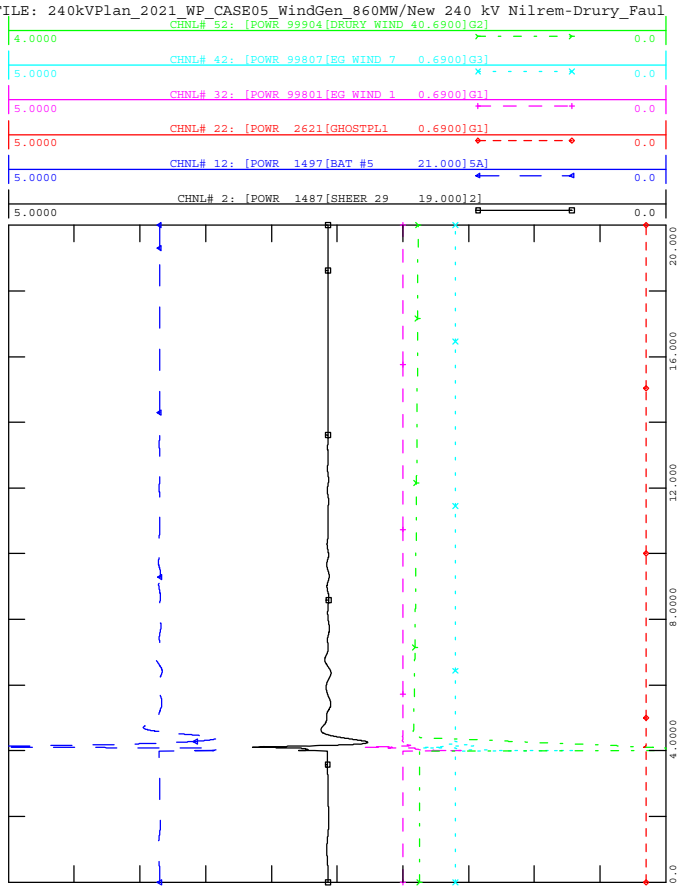
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

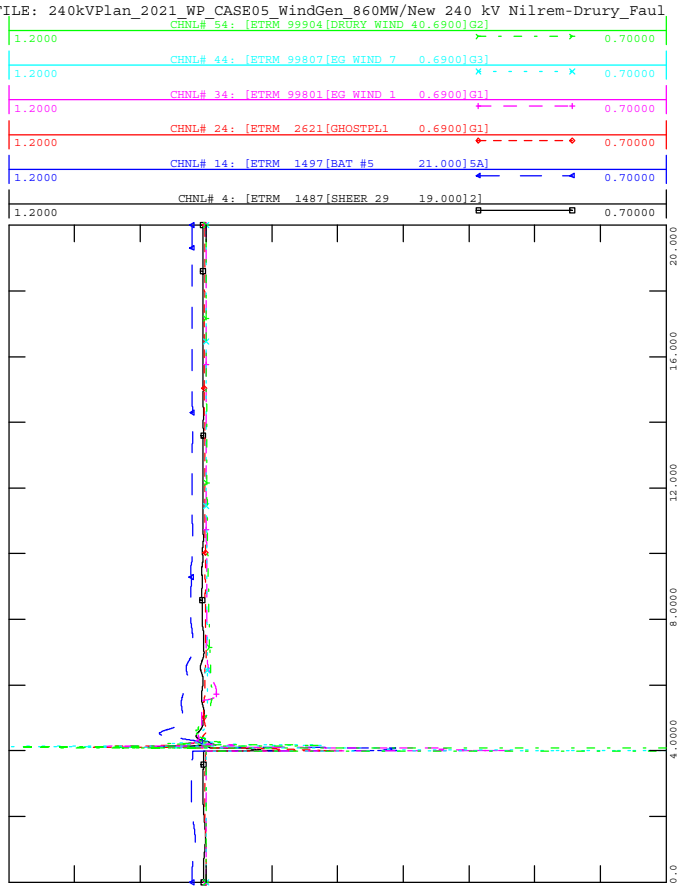
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

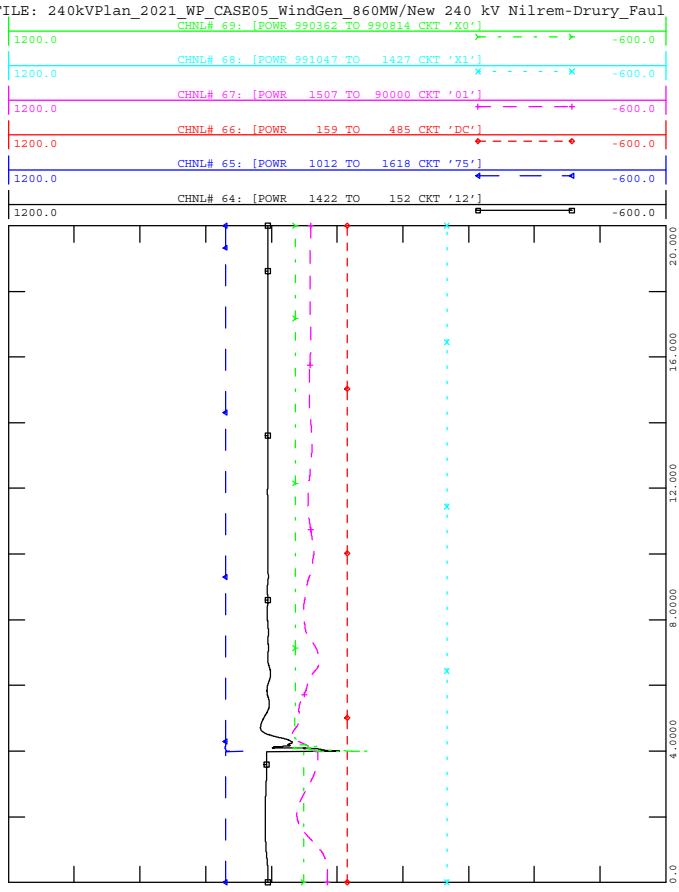
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

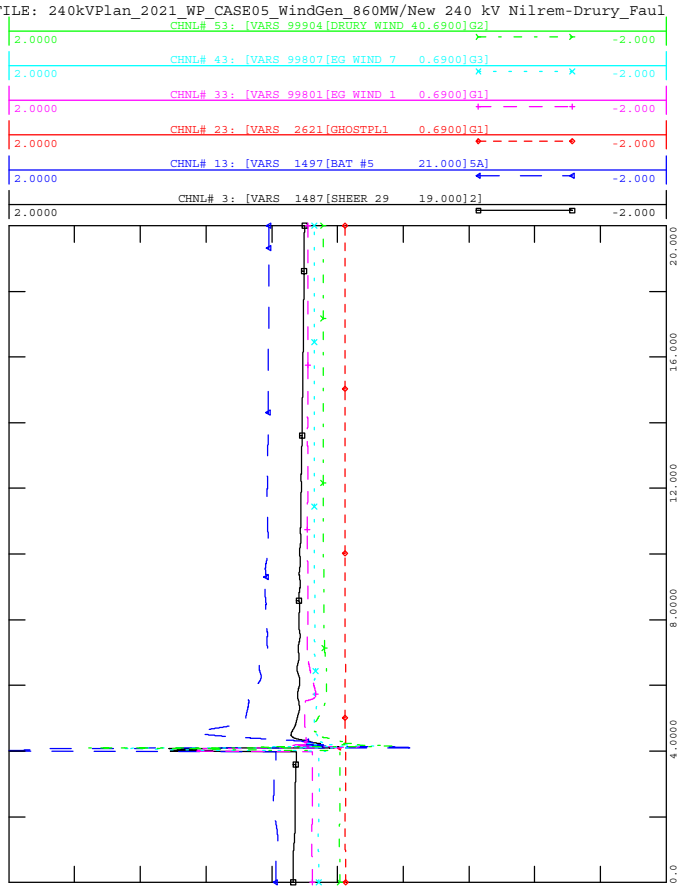
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul



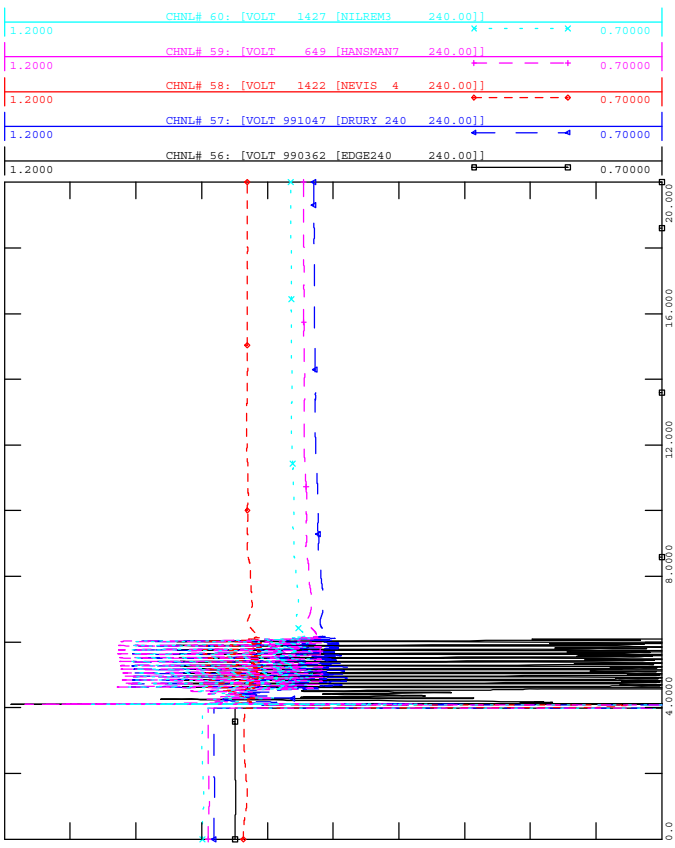
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 13:40

BUS VOLTAGE

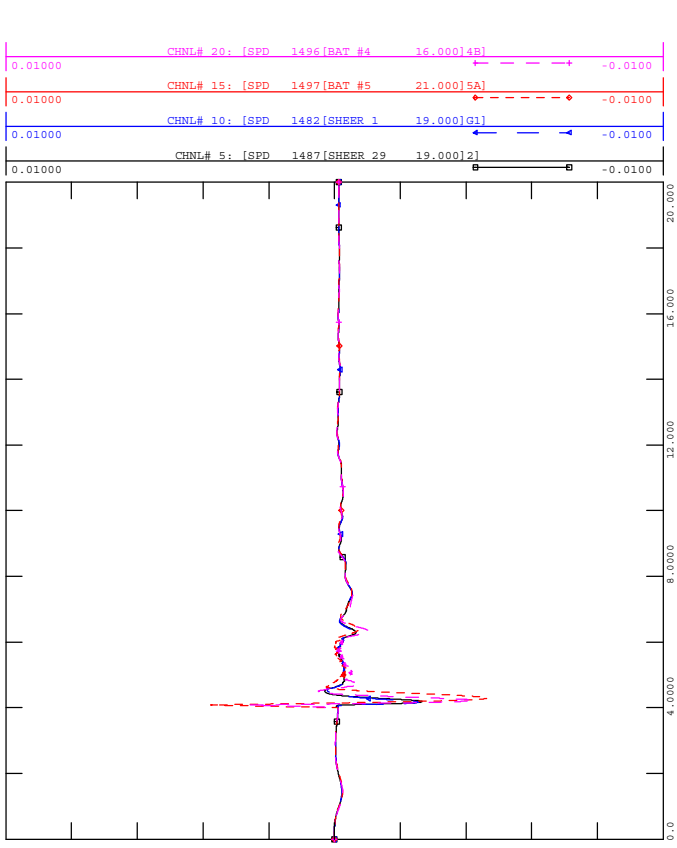


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 13:40

MACHINE SPEED

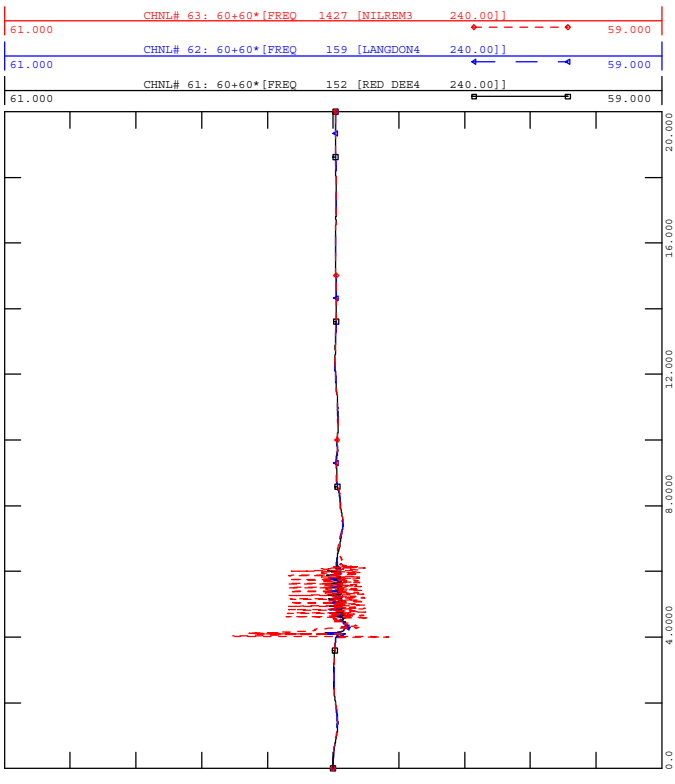


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 13:40

FREQUENCY

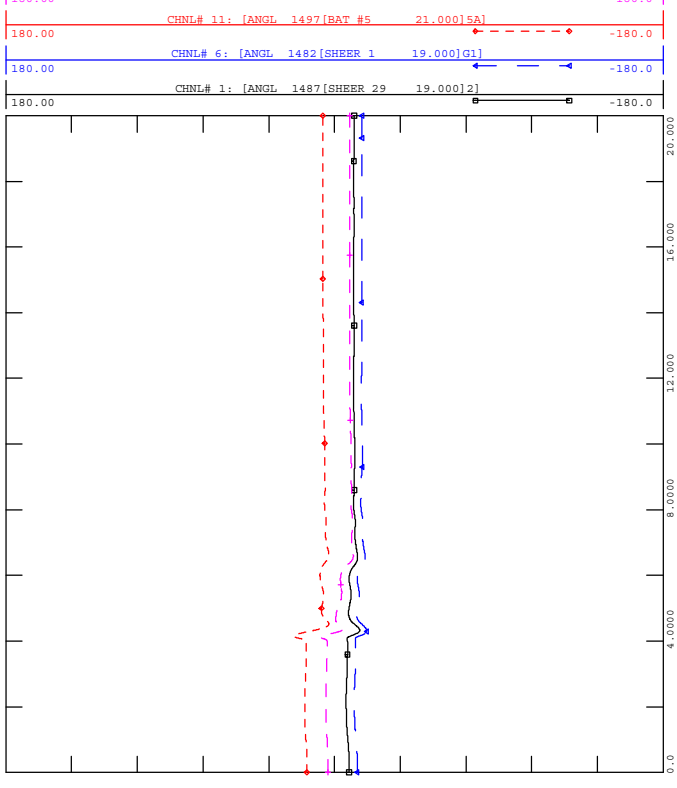


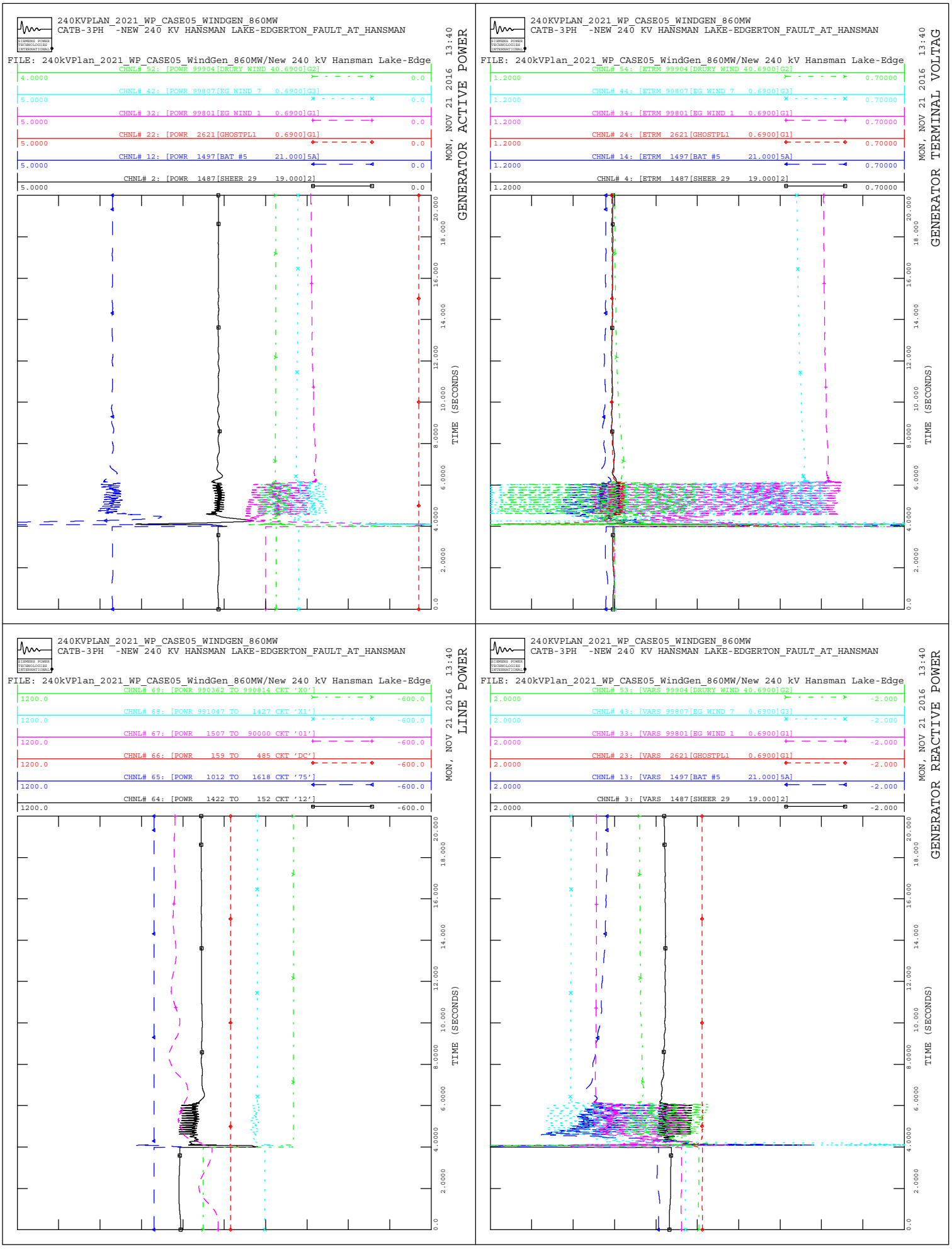
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 13:40

MACHINE ANGEL



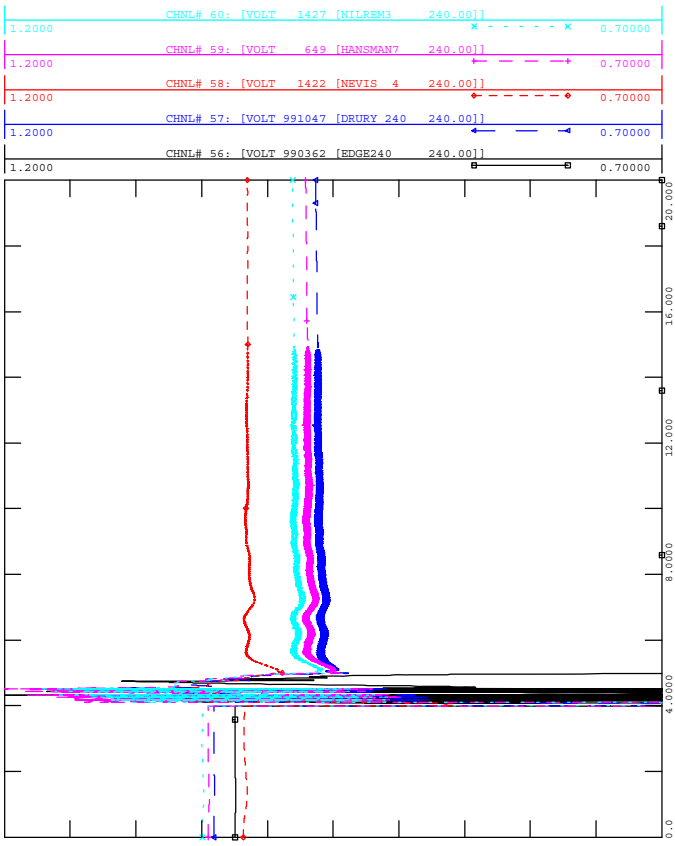

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 13:40
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 13:40
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 13:40

BUS VOLTAGE

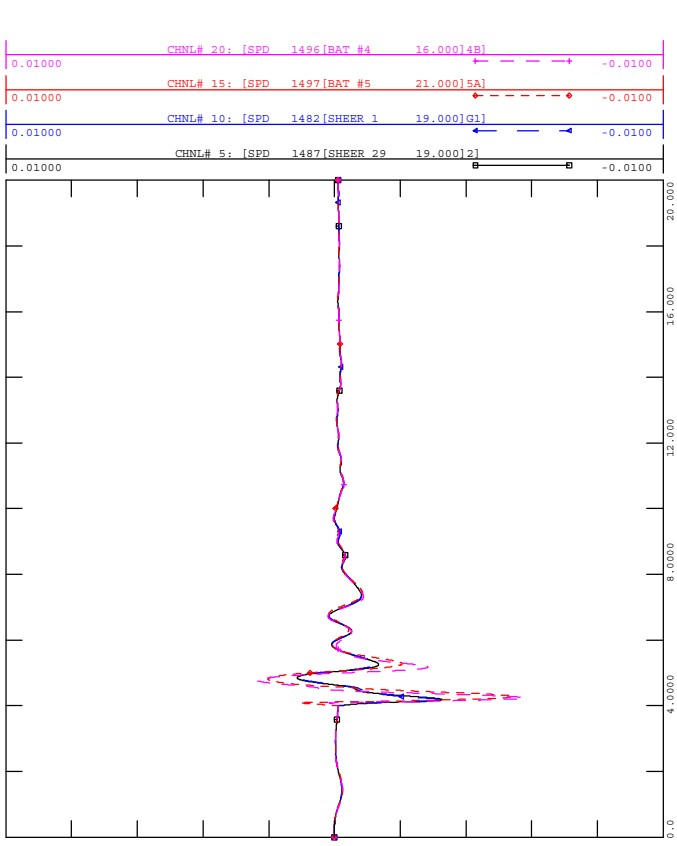


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 13:40

MACHINE SPEED

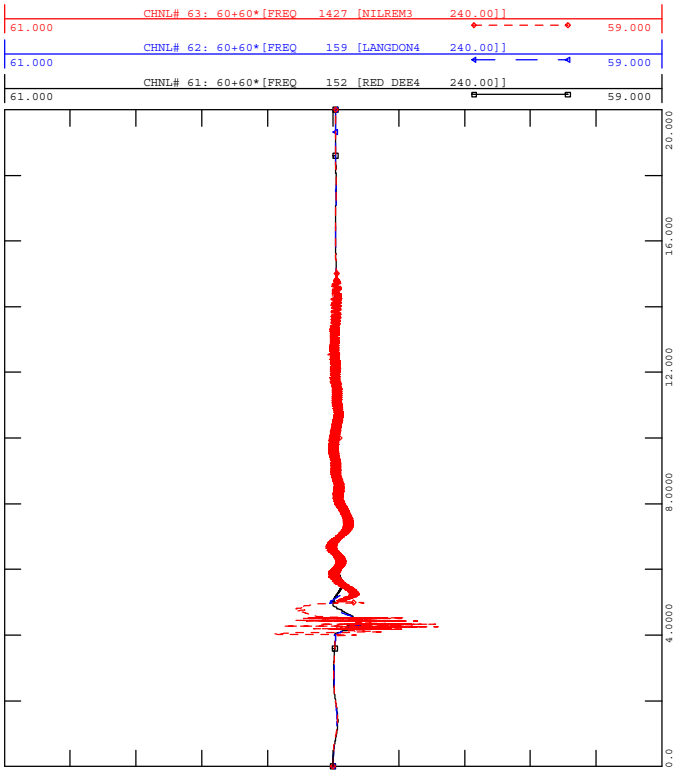


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 13:40

FREQUENCY

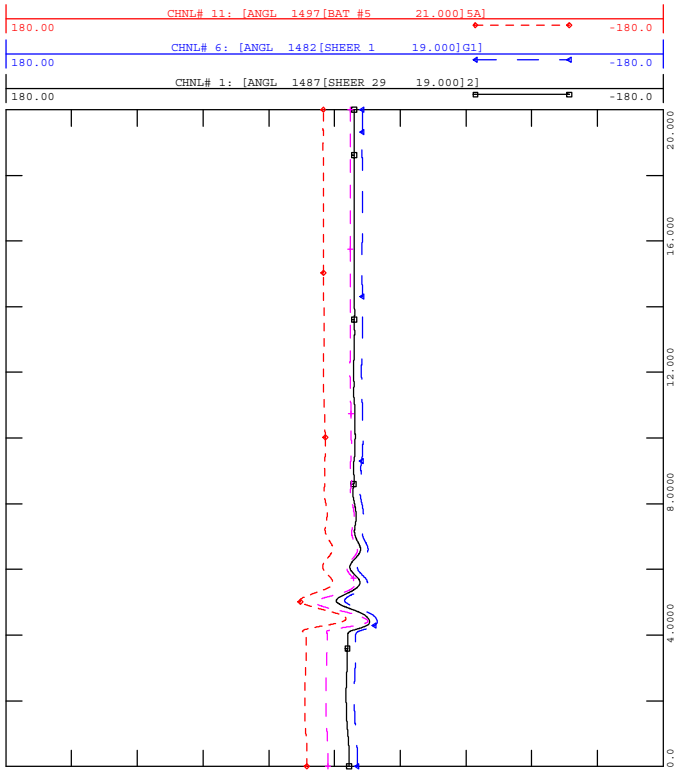


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

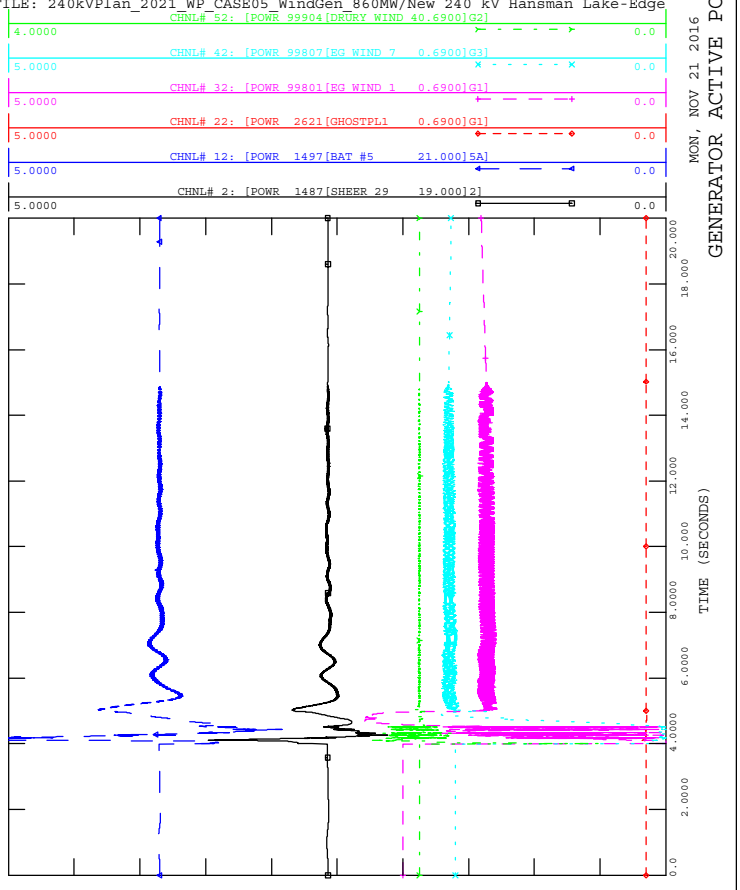
MON, NOV 21 2016 13:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

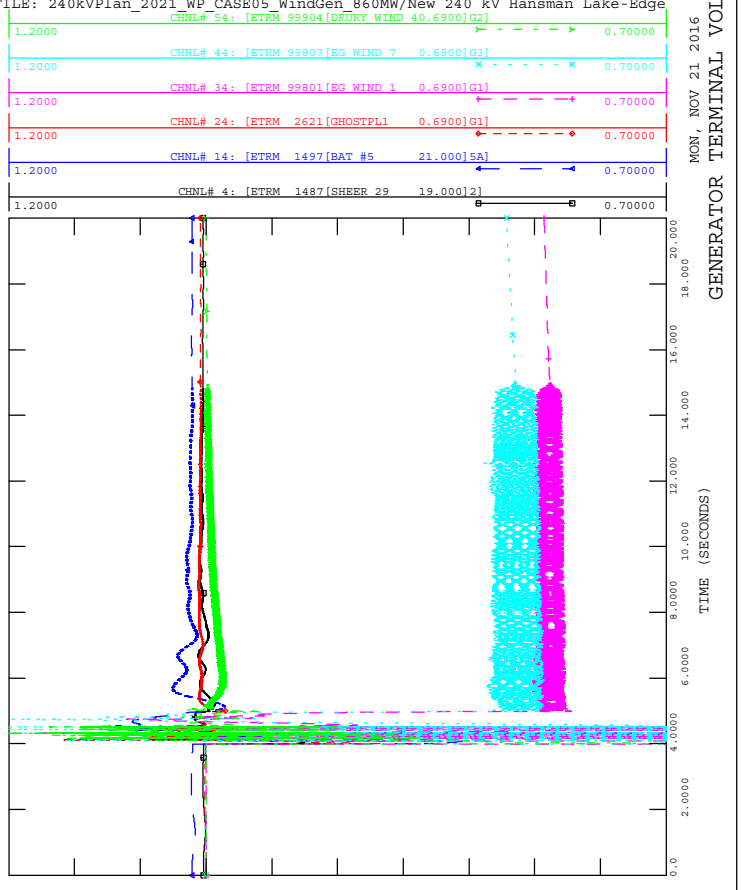
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge



MON, NOV 21 2016 13:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

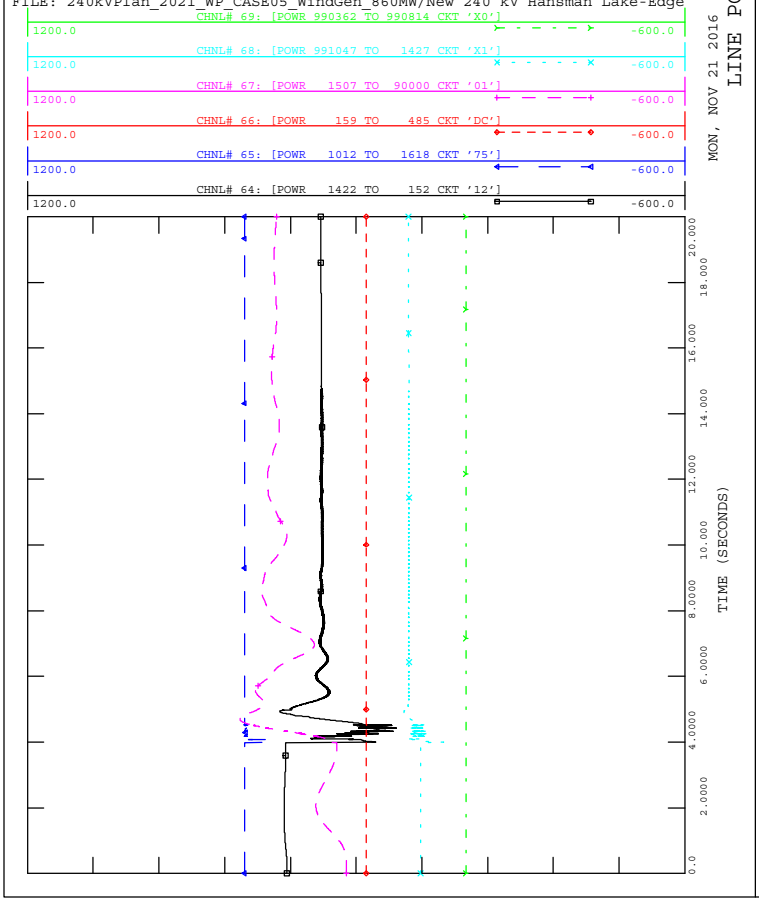
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge



MON, NOV 21 2016 13:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

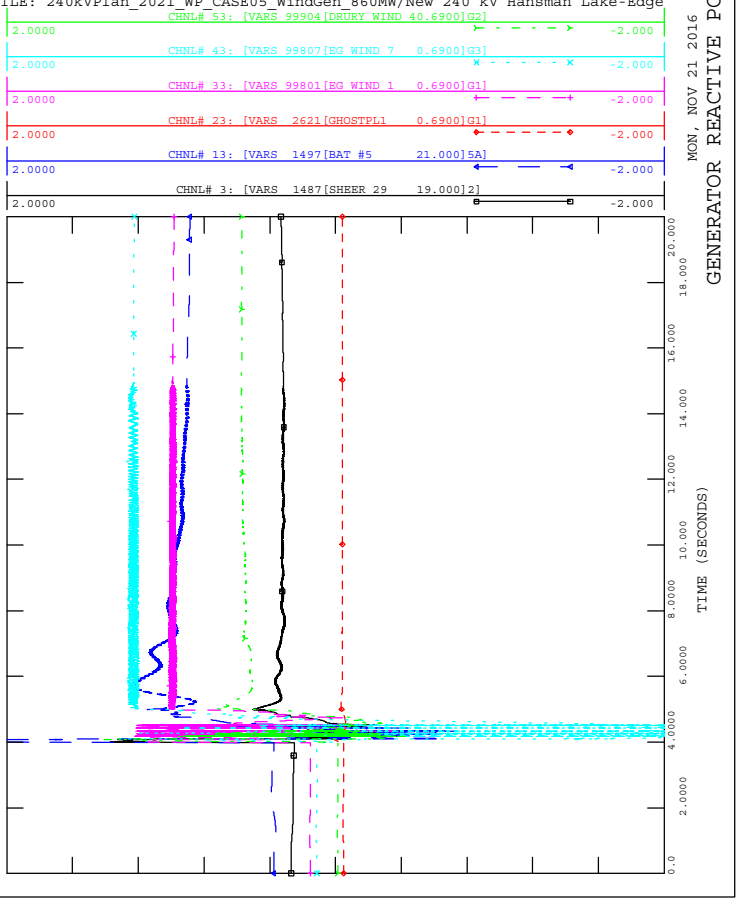
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge



MON, NOV 21 2016 13:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge



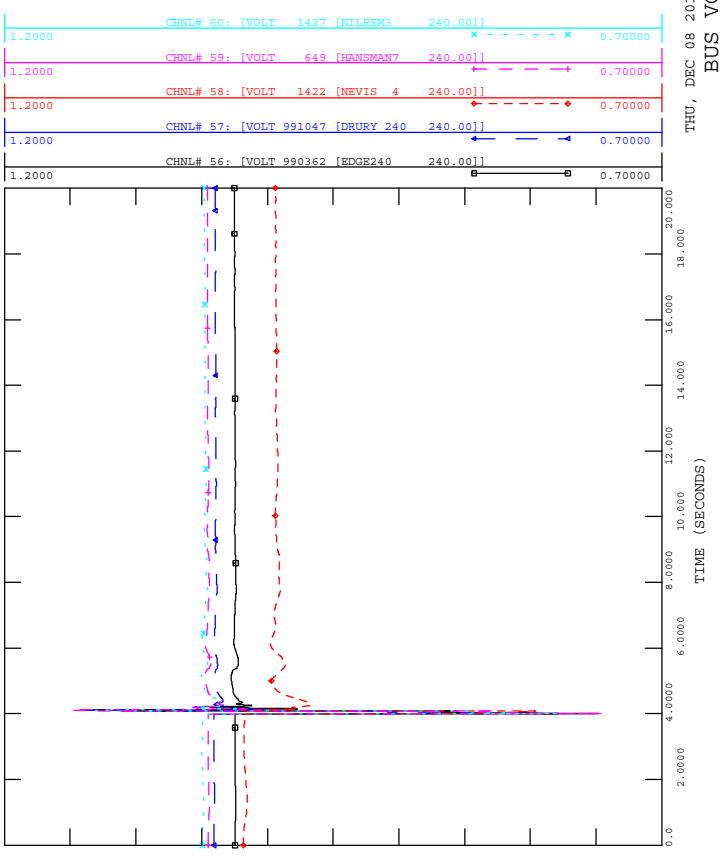
MON, NOV 21 2016 13:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

BUS VOLTAGE

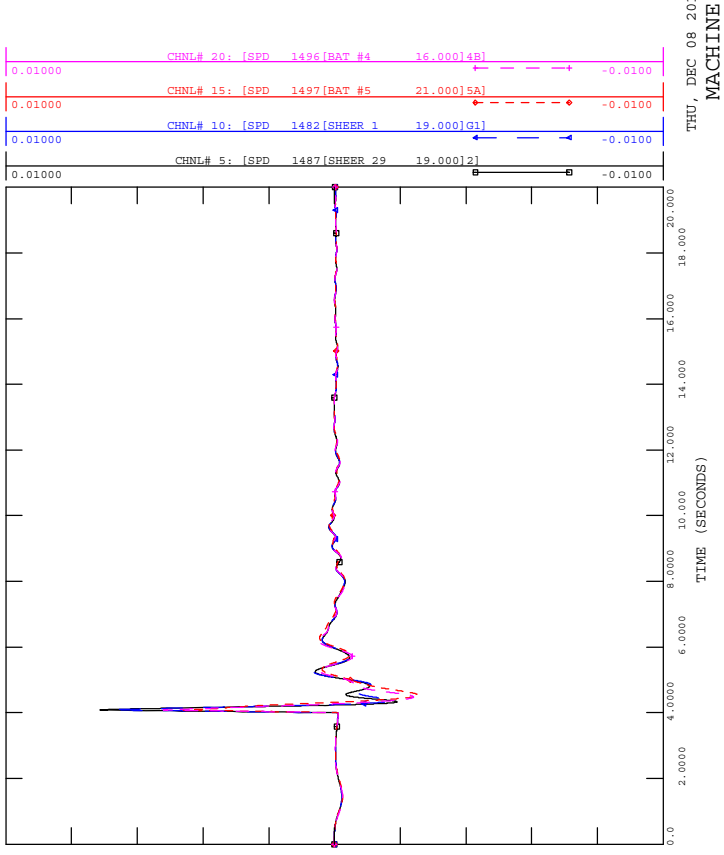


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

MACHINE SPEED

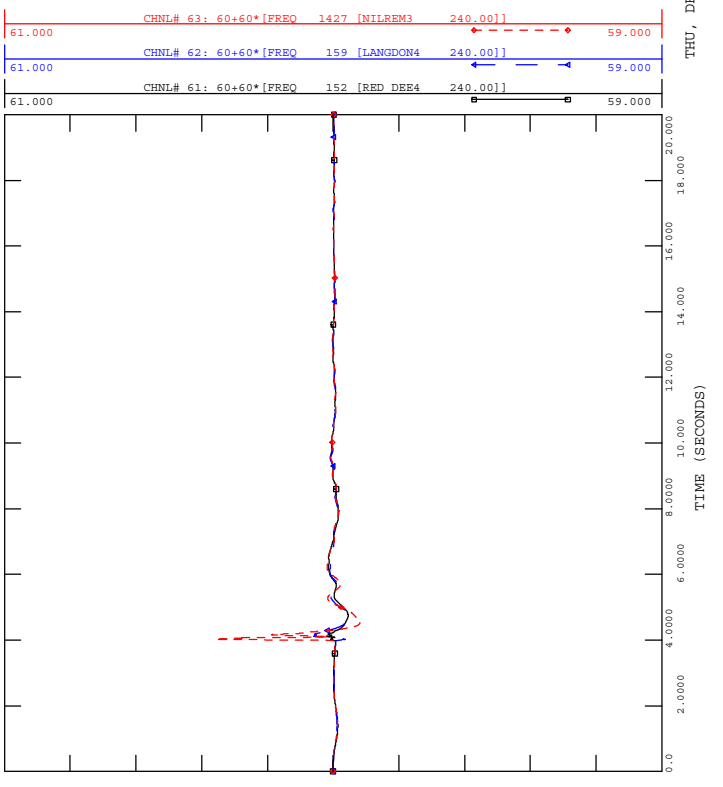


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

FREQUENCY

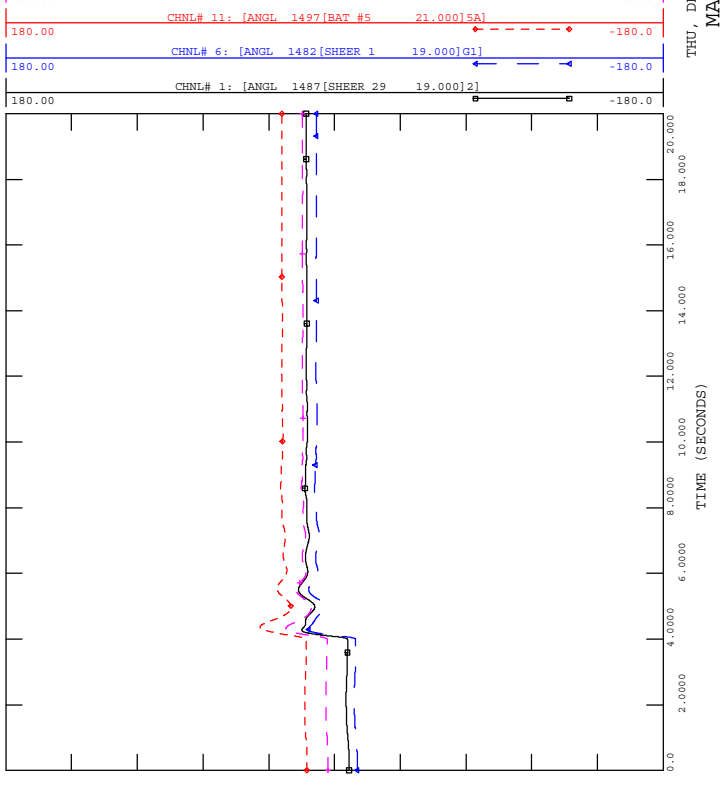


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

MACHINE ANGLE

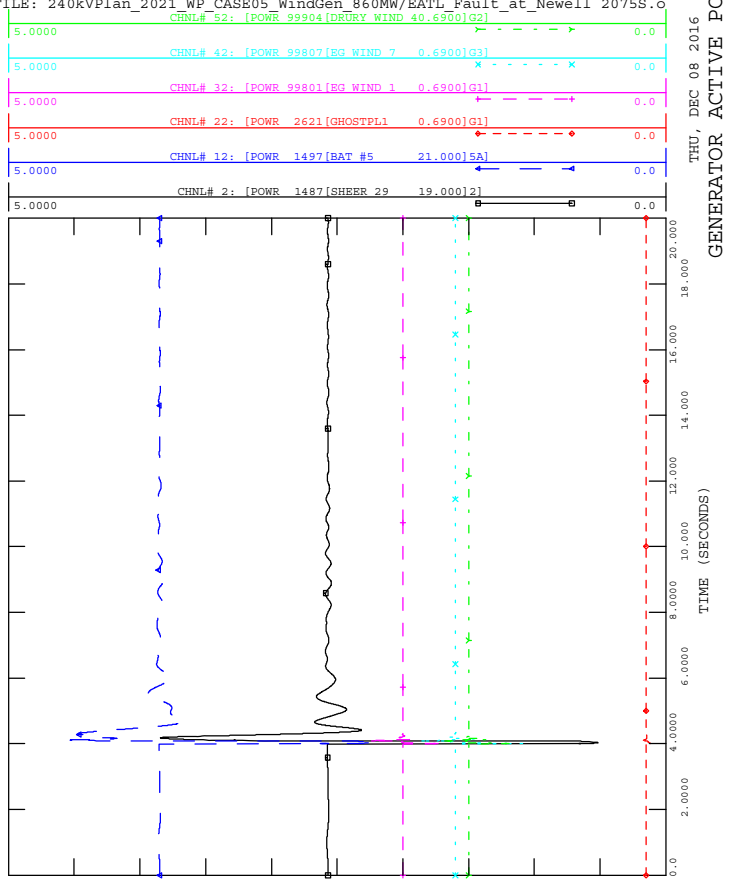


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

GENERATOR ACTIVE POWER

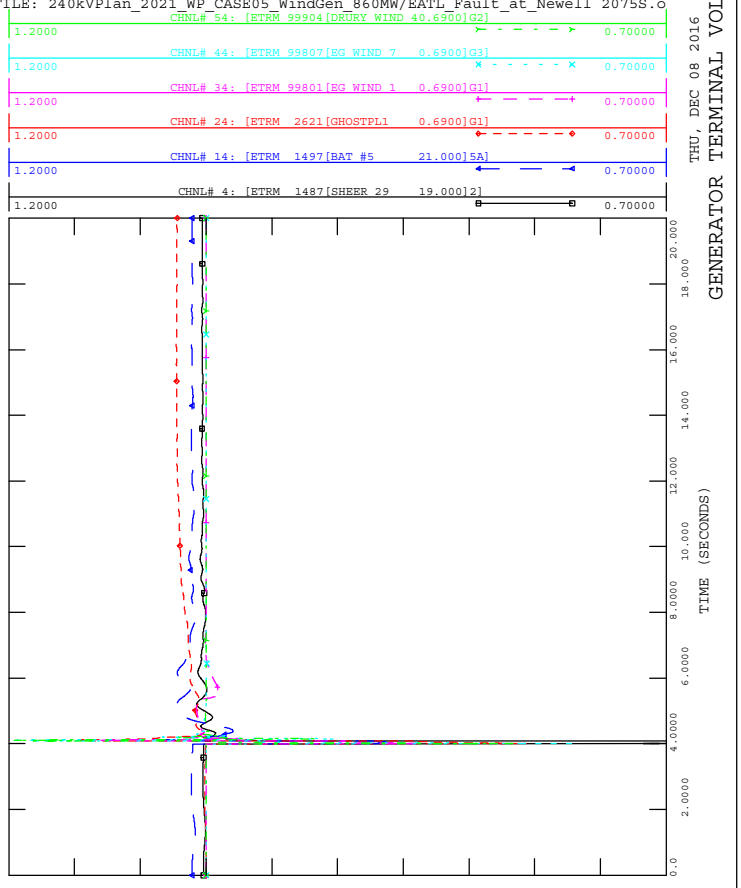


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

GENERATOR TERMINAL VOLTAG

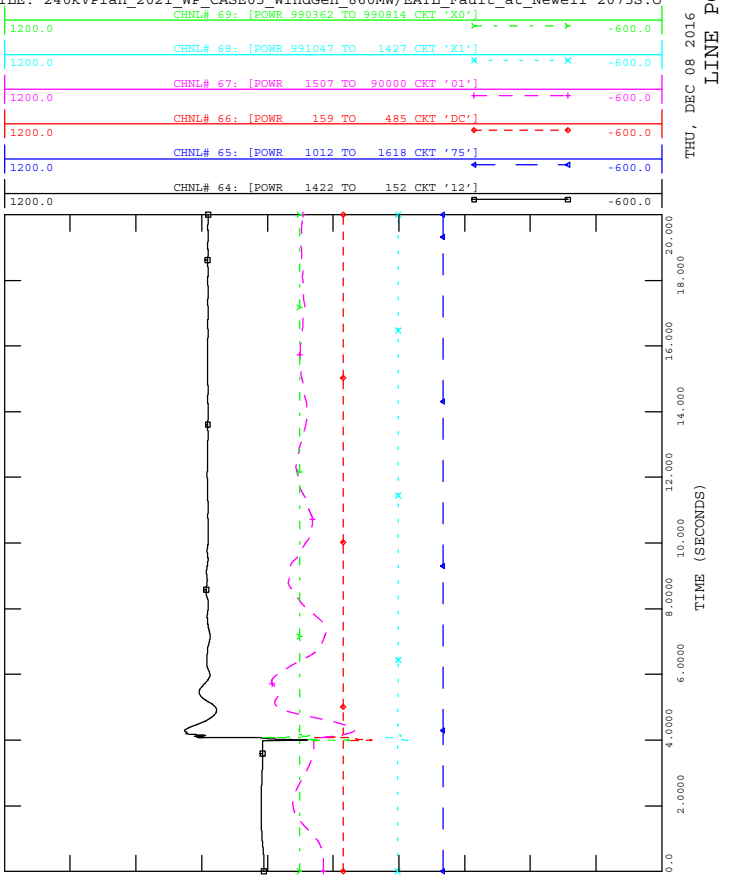


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

LINE POWER

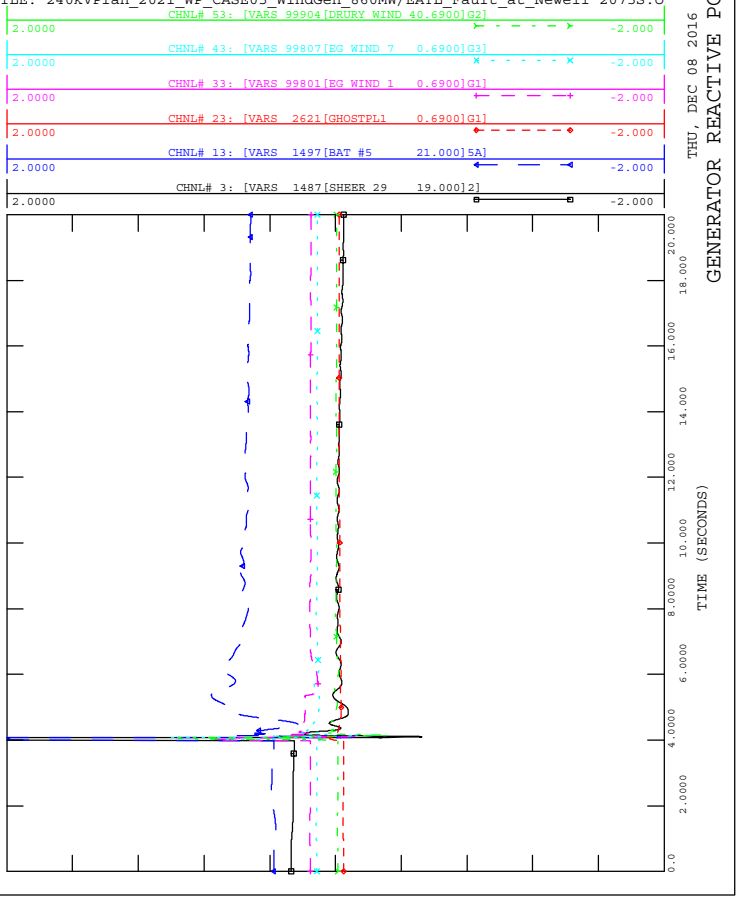


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:34

GENERATOR REACTIVE POWER



Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Summer Light

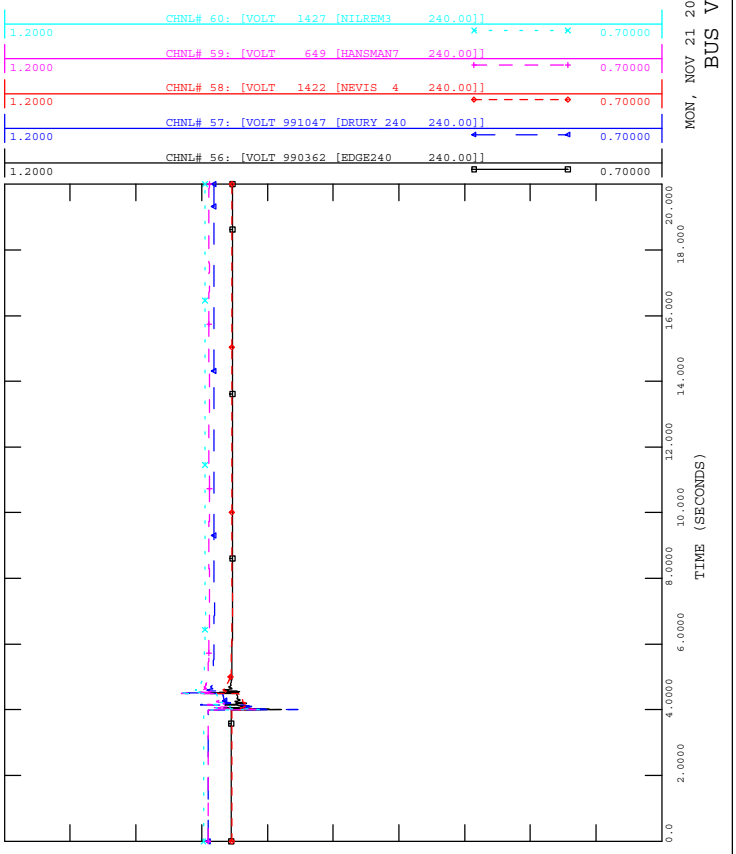
Category B (Single-line-to-ground Fault)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 12:55

BUS VOLTAGE

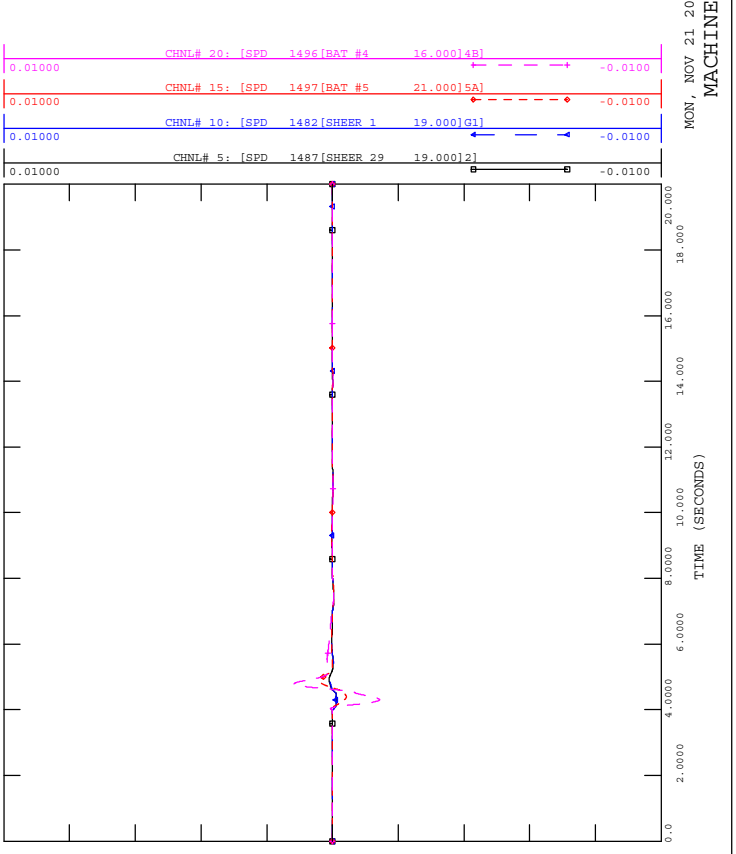


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 12:55

MACHINE SPEED

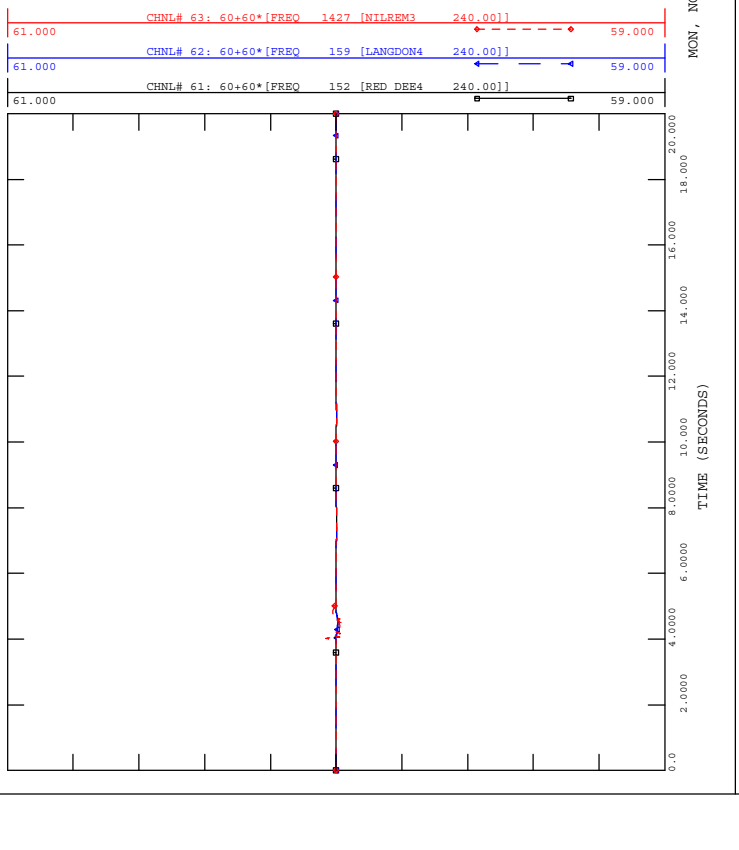


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 12:55

FREQUENCY

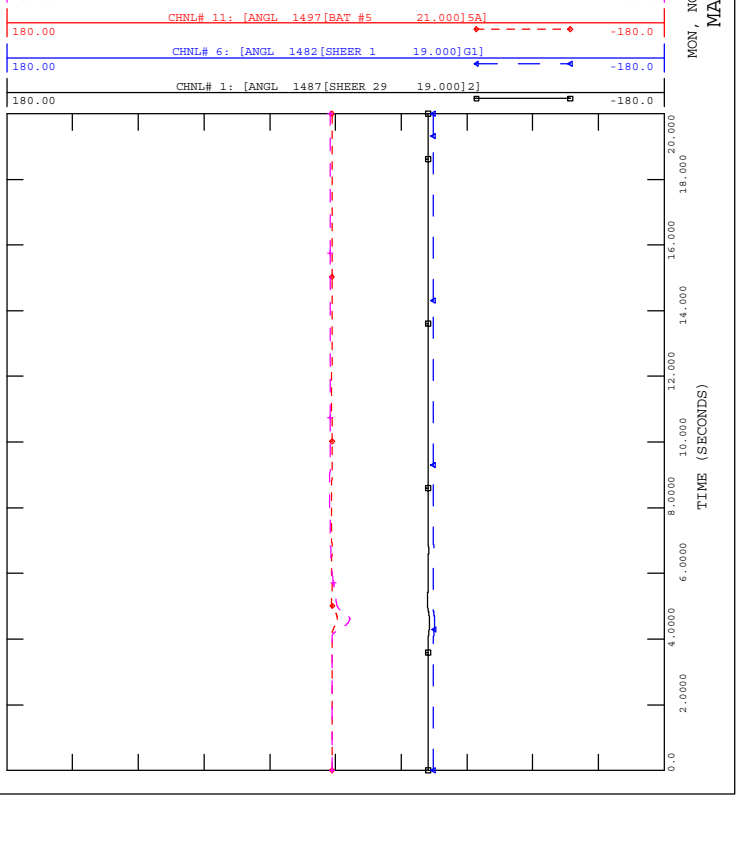


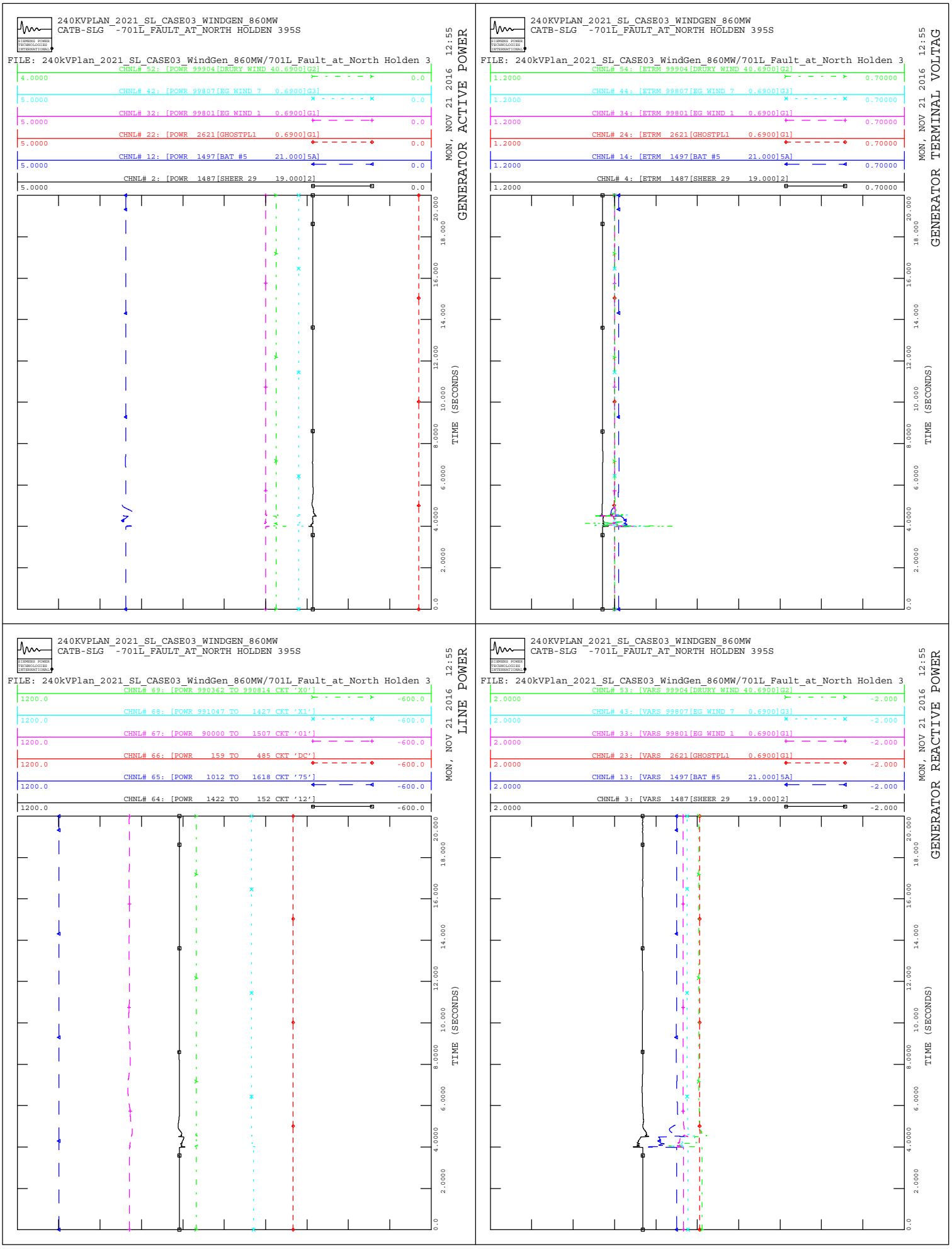
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 12:55

MACHINE ANGEL



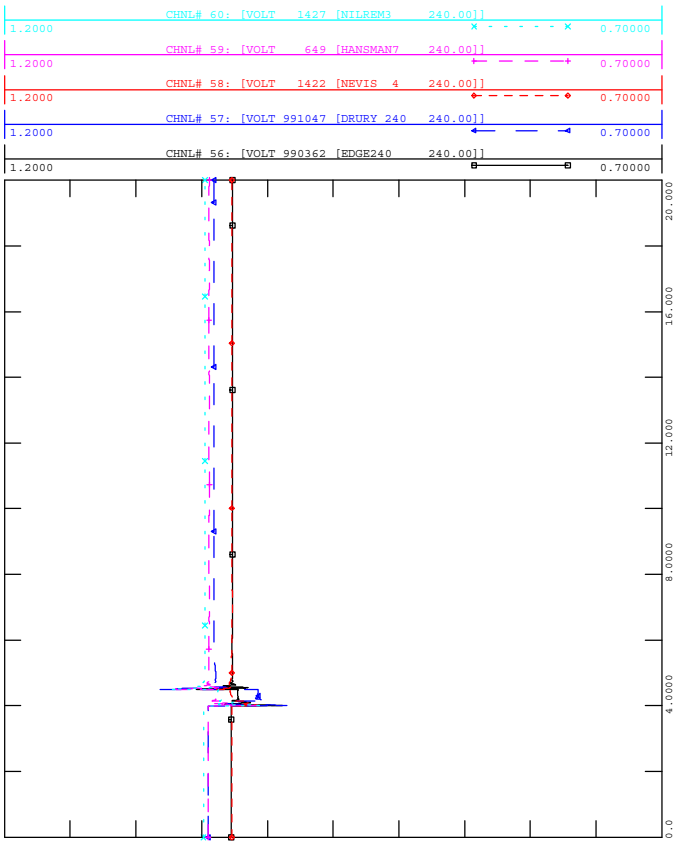

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3
MON, NOV 21 2016 12:55
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_North Holden 3
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou

MON, NOV 21 2016 12:55

BUS VOLTAGE

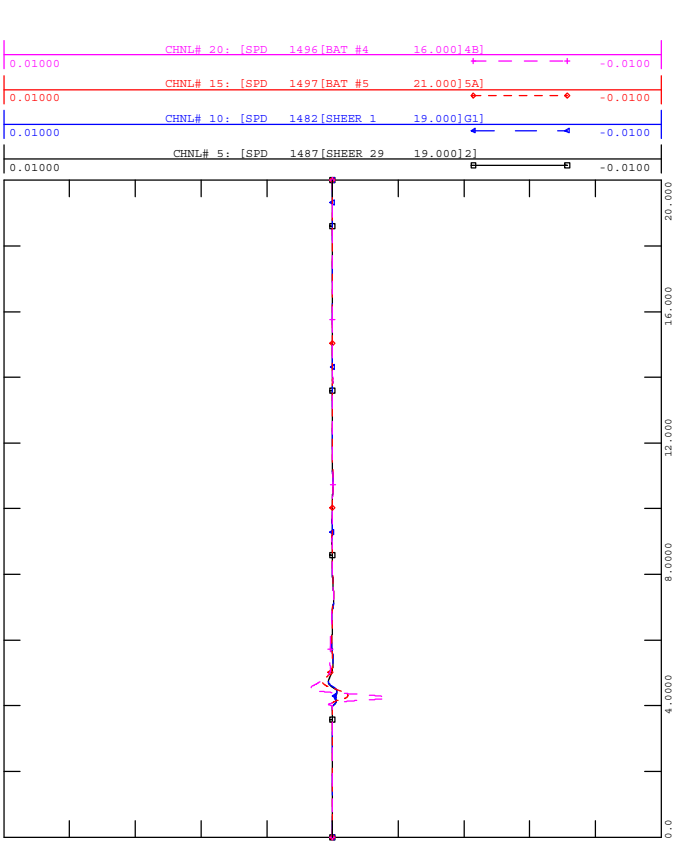


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou

MON, NOV 21 2016 12:55

MACHINE SPEED

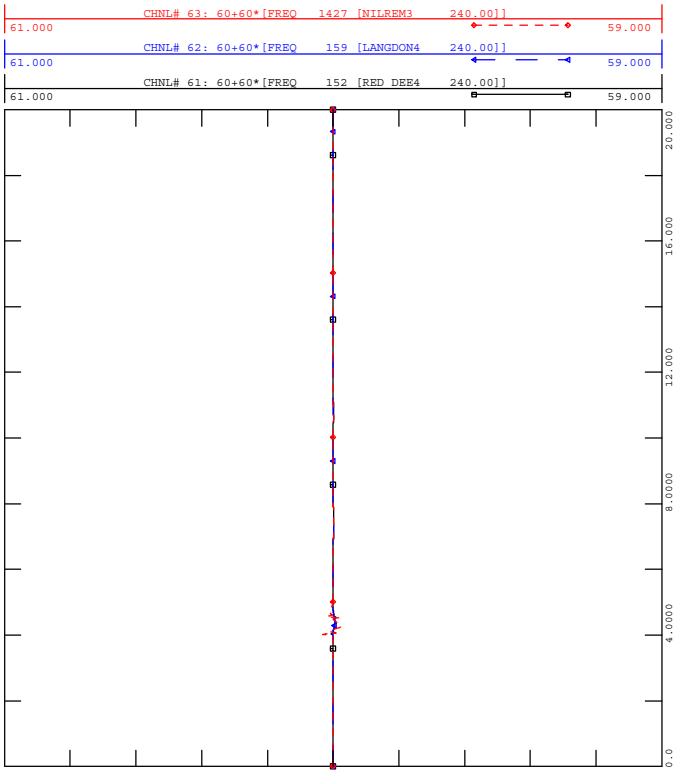


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou

MON, NOV 21 2016 12:55

FREQUENCY

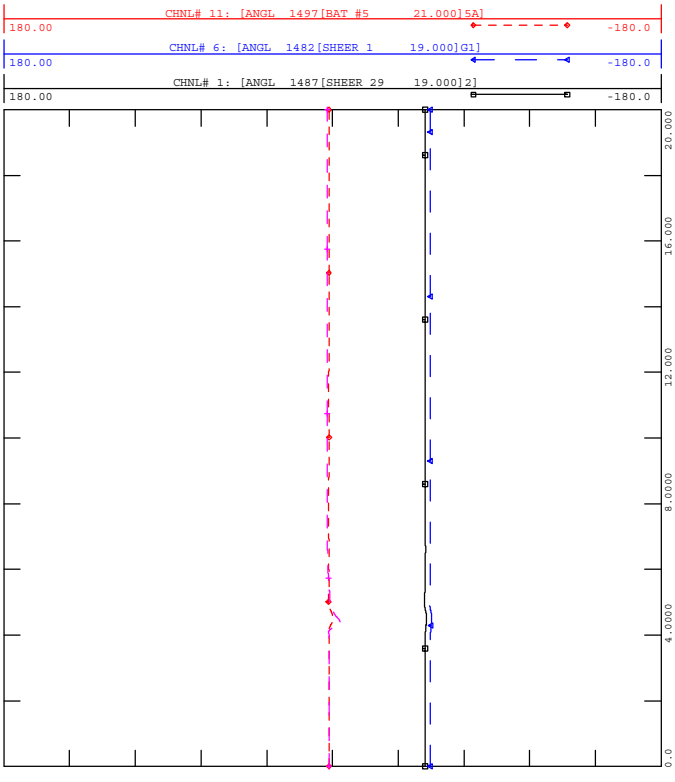


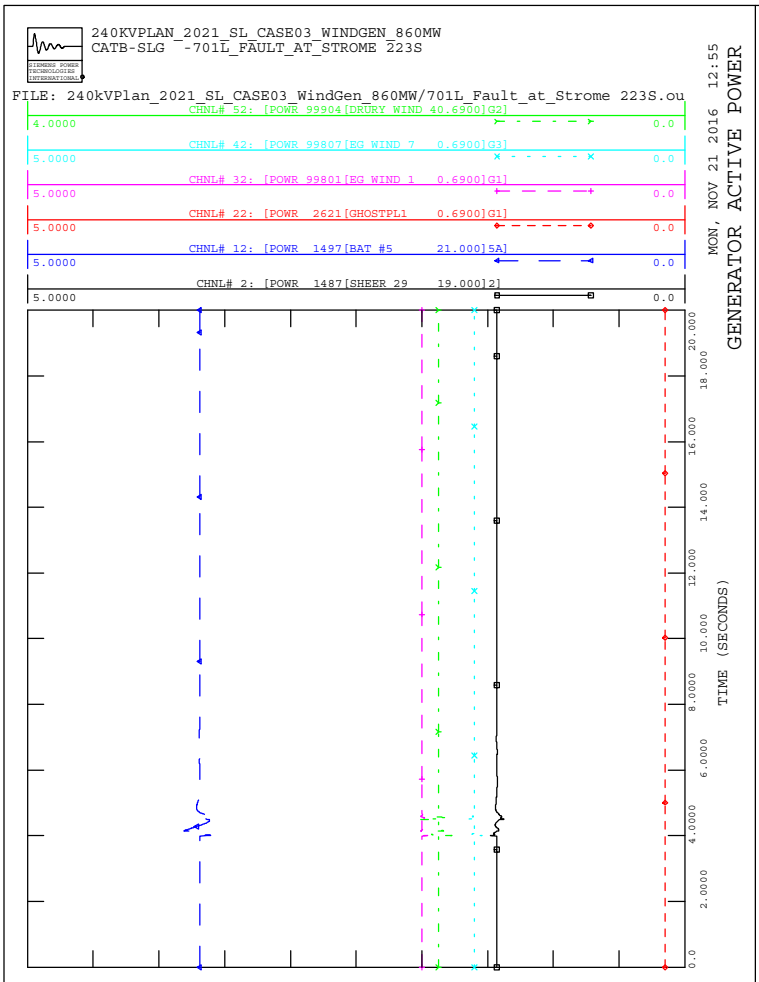
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S

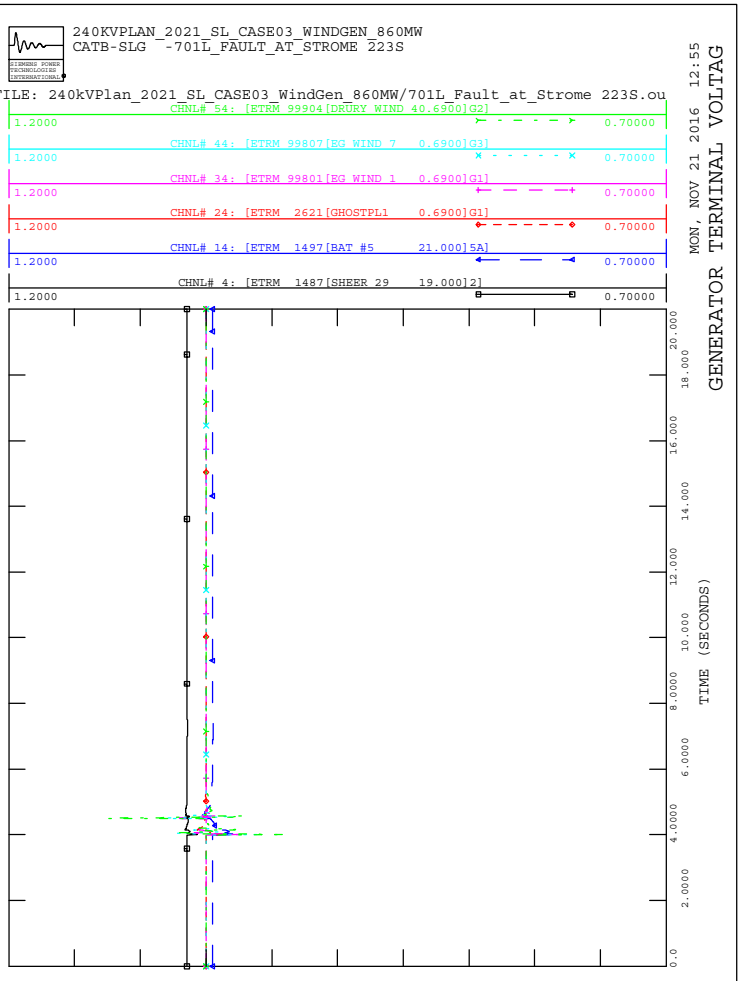
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou

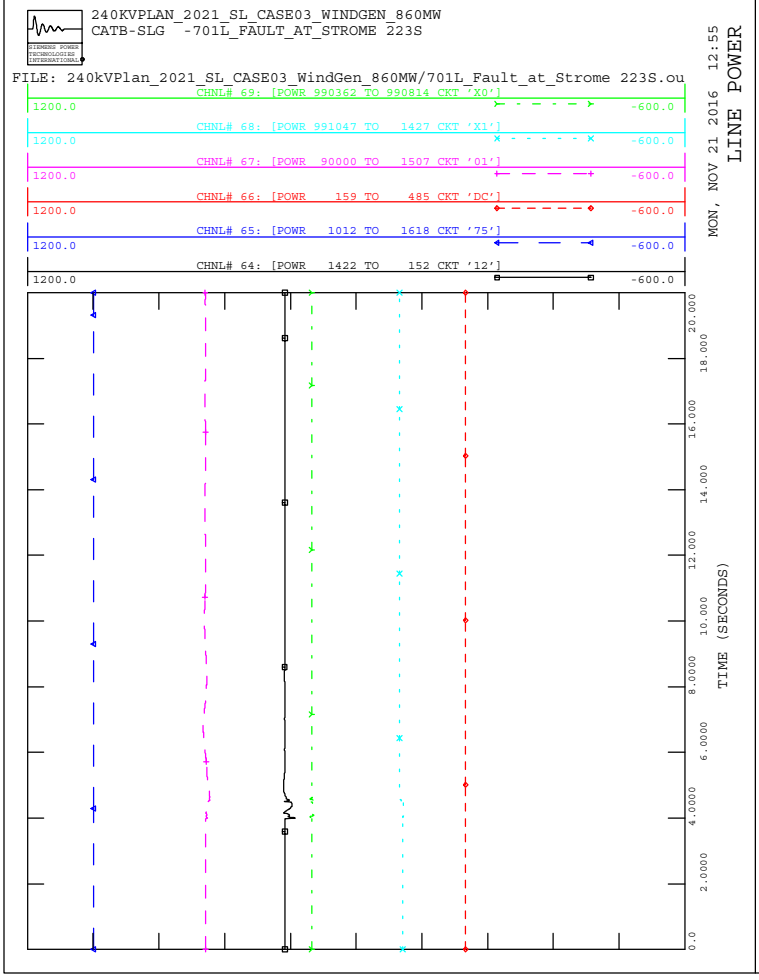
MON, NOV 21 2016 12:55

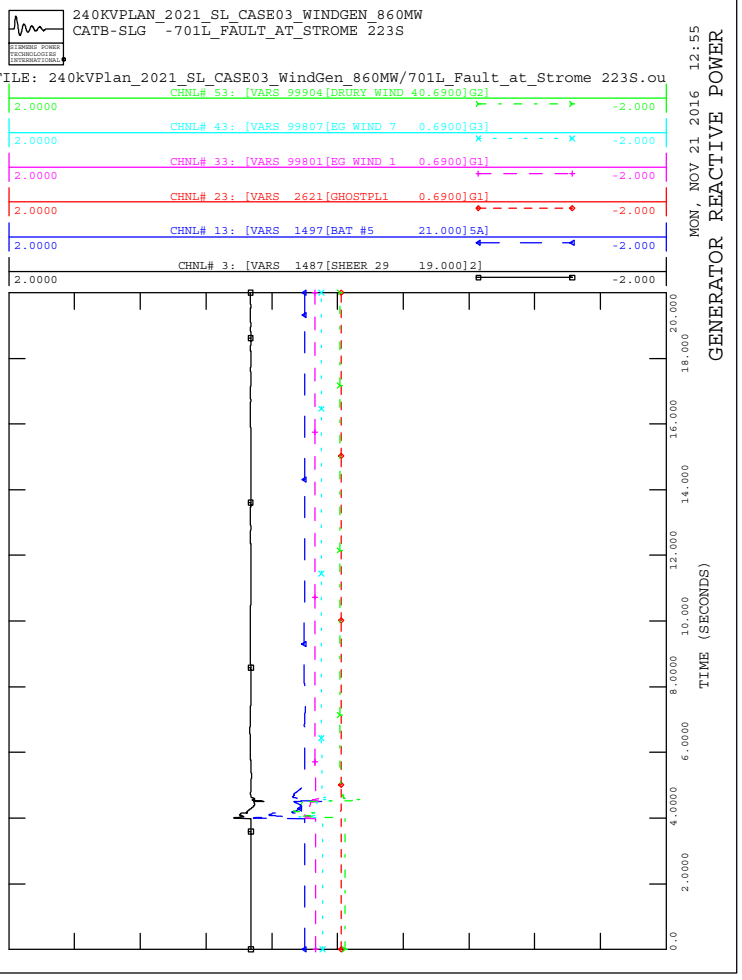
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

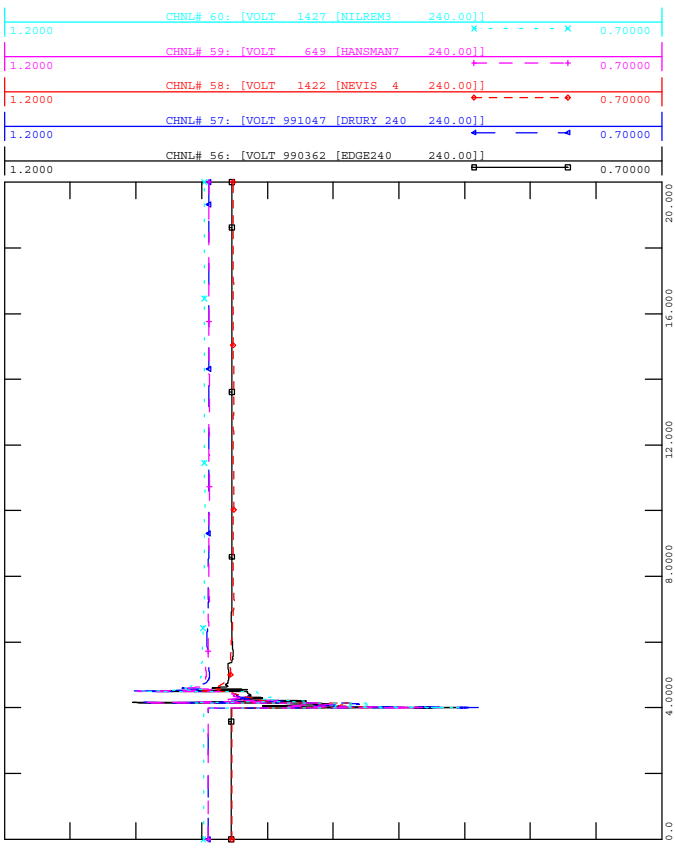

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7

MON, NOV 21 2016 12:55

BUS VOLTAGE

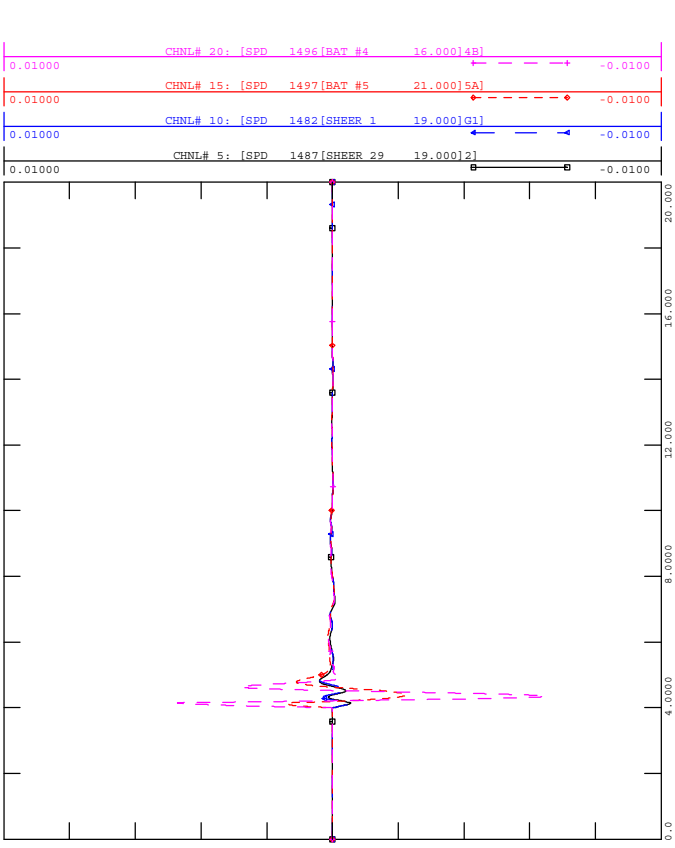


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7

MON, NOV 21 2016 12:55

MACHINE SPEED

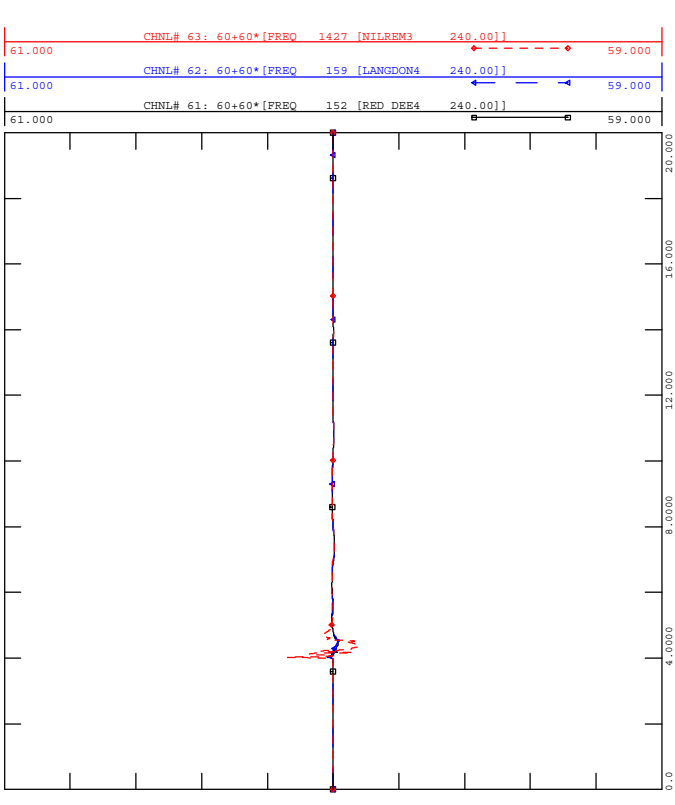


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7

MON, NOV 21 2016 12:55

FREQUENCY

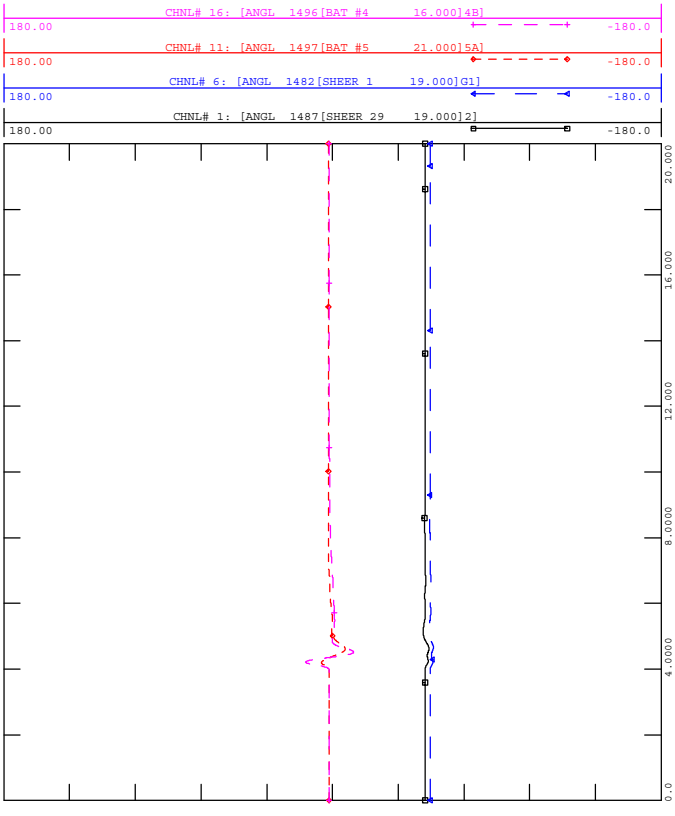


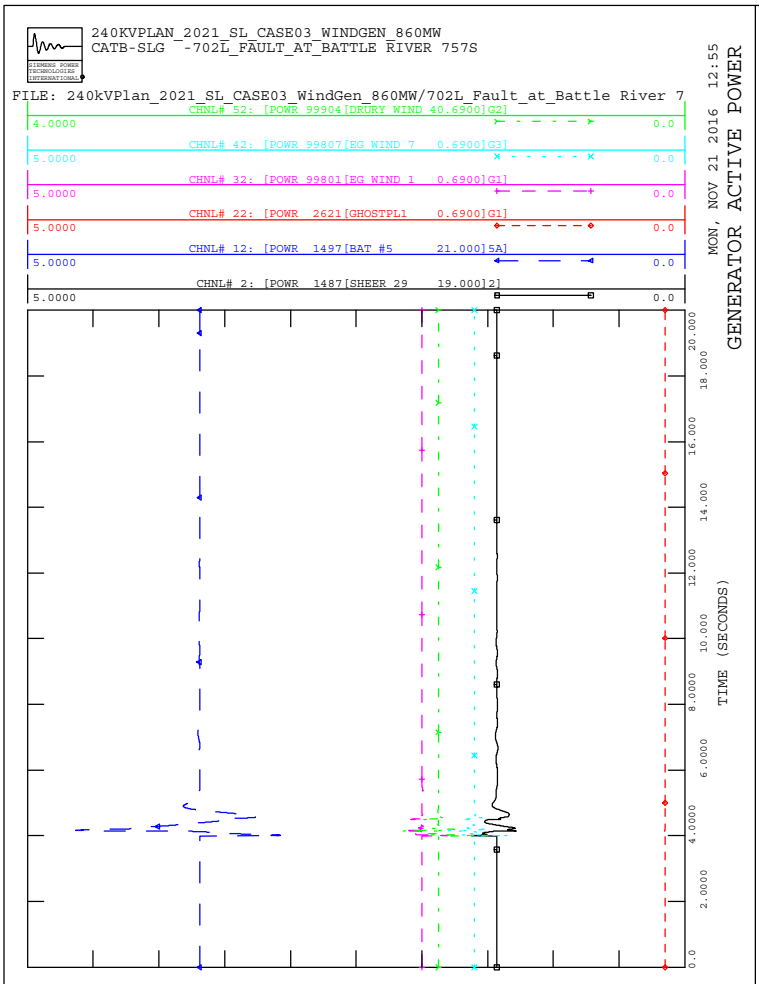
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

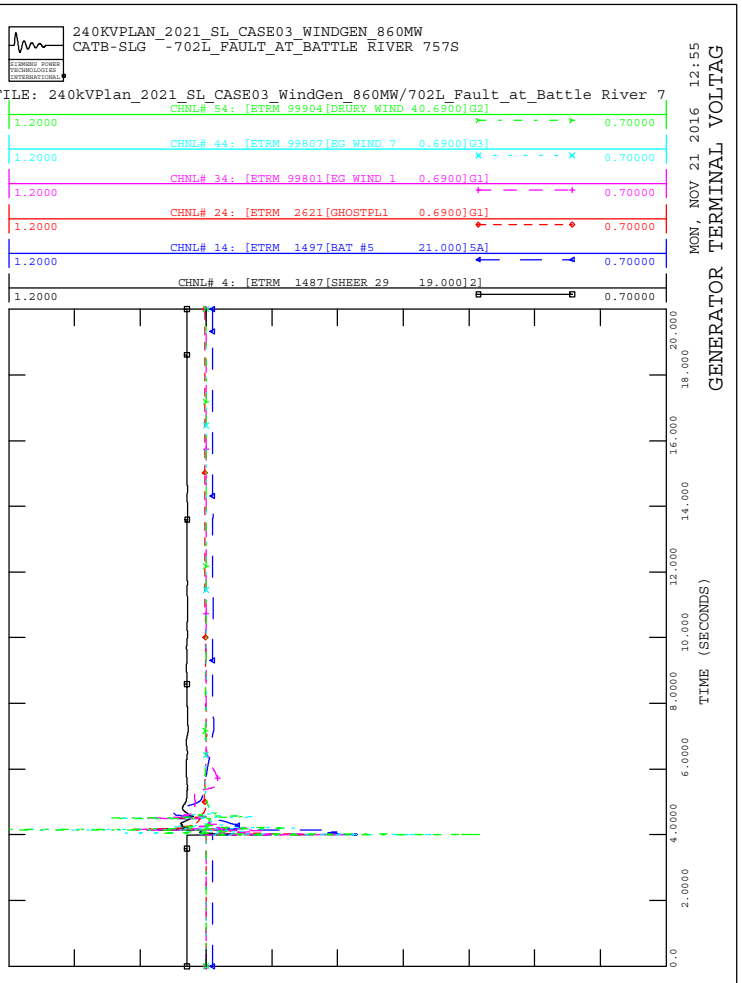
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7

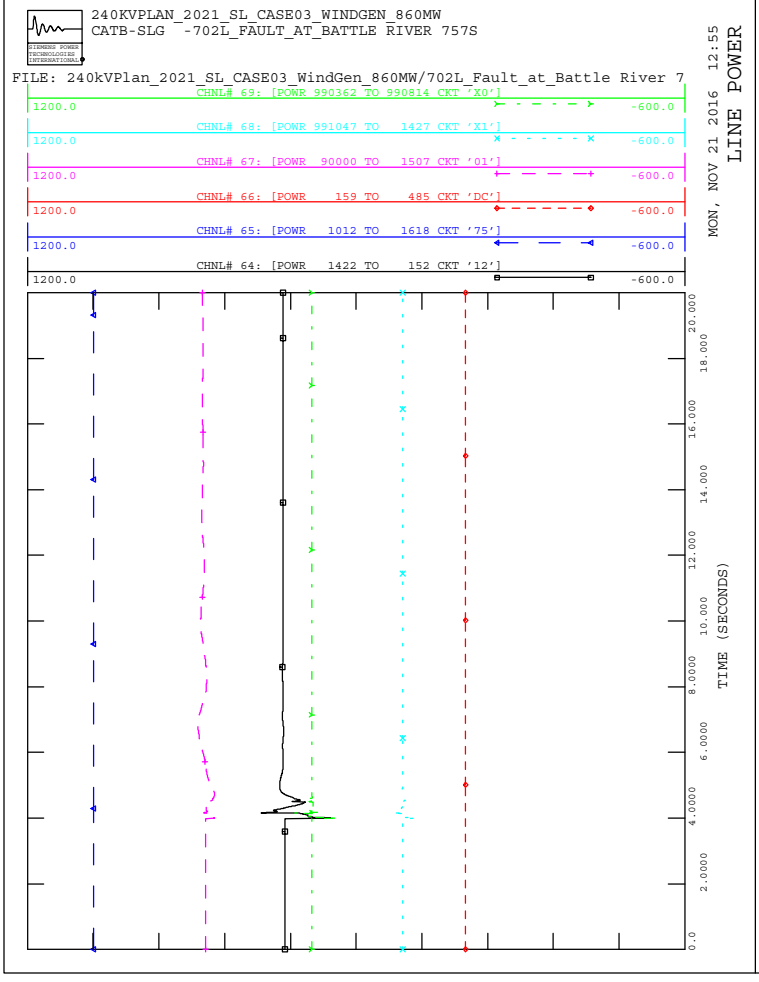
MON, NOV 21 2016 12:55

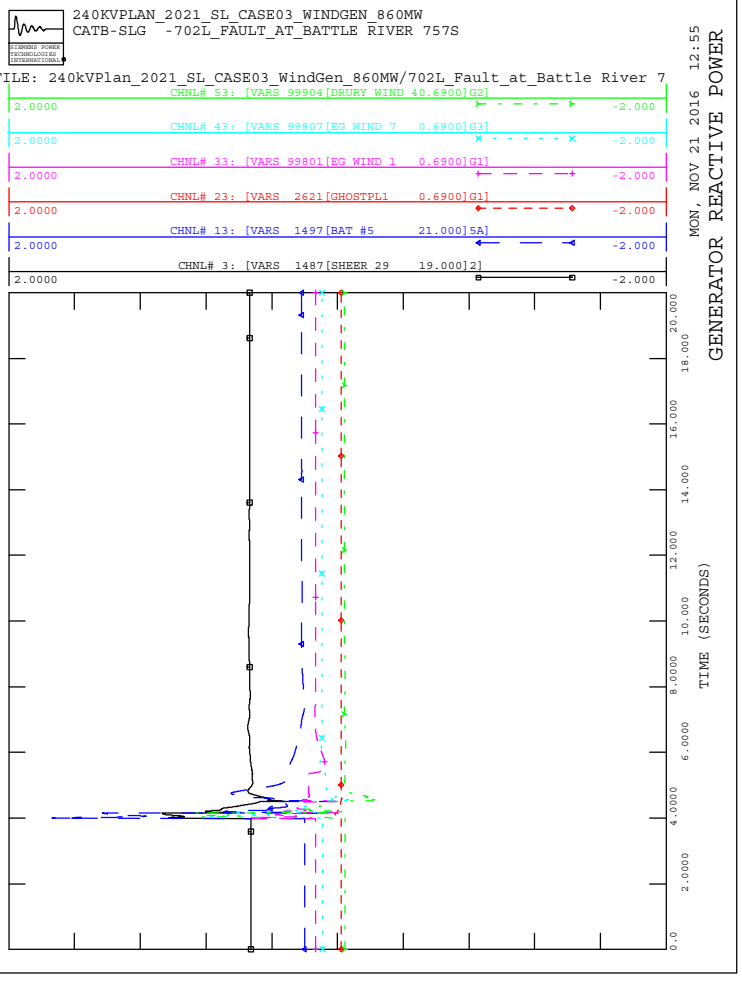
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

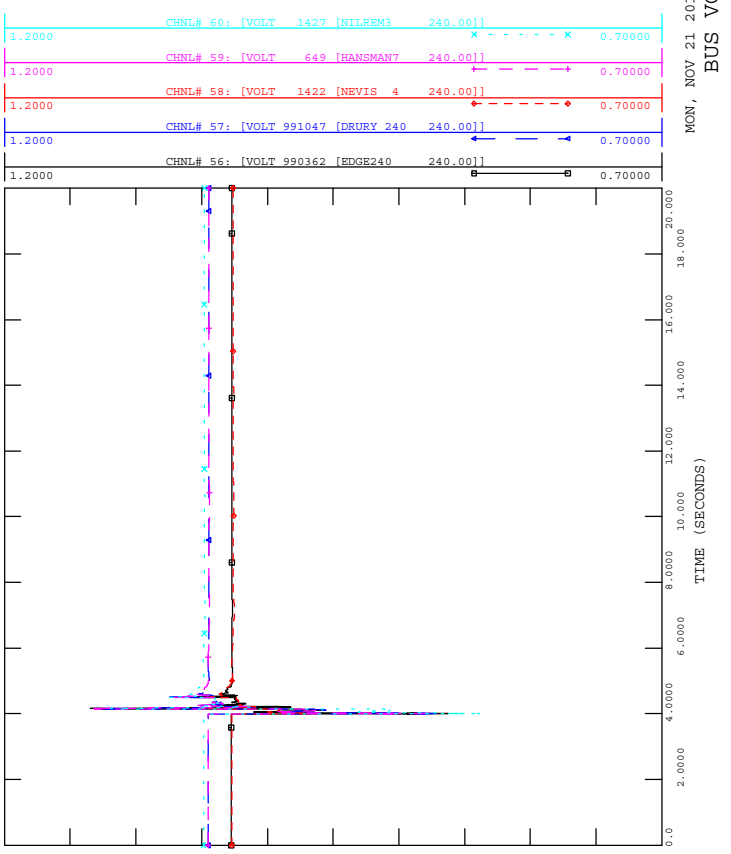

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 12:55

BUS VOLTAGE

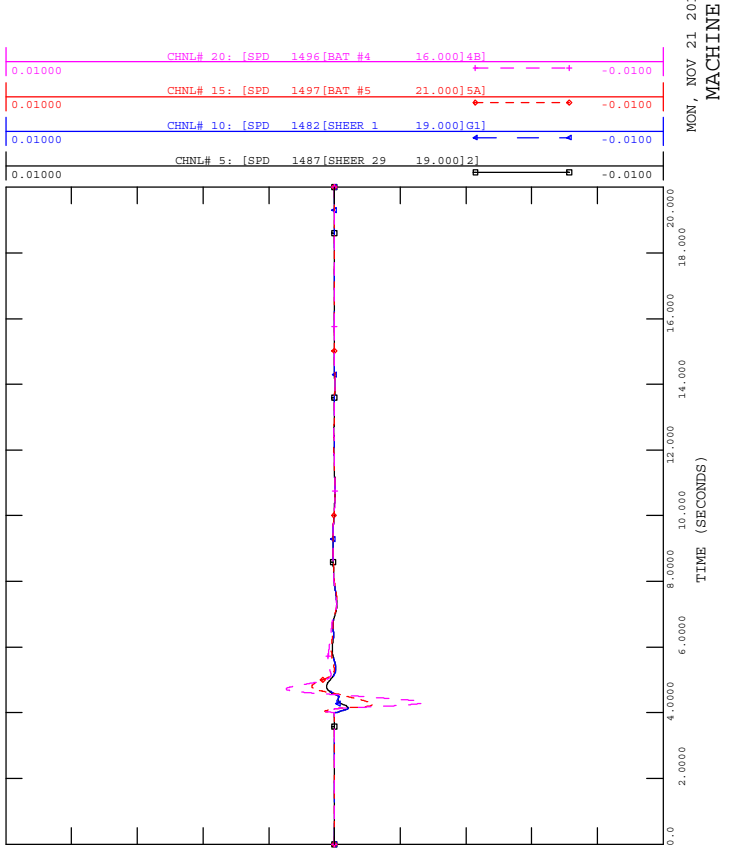


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 12:55

MACHINE SPEED

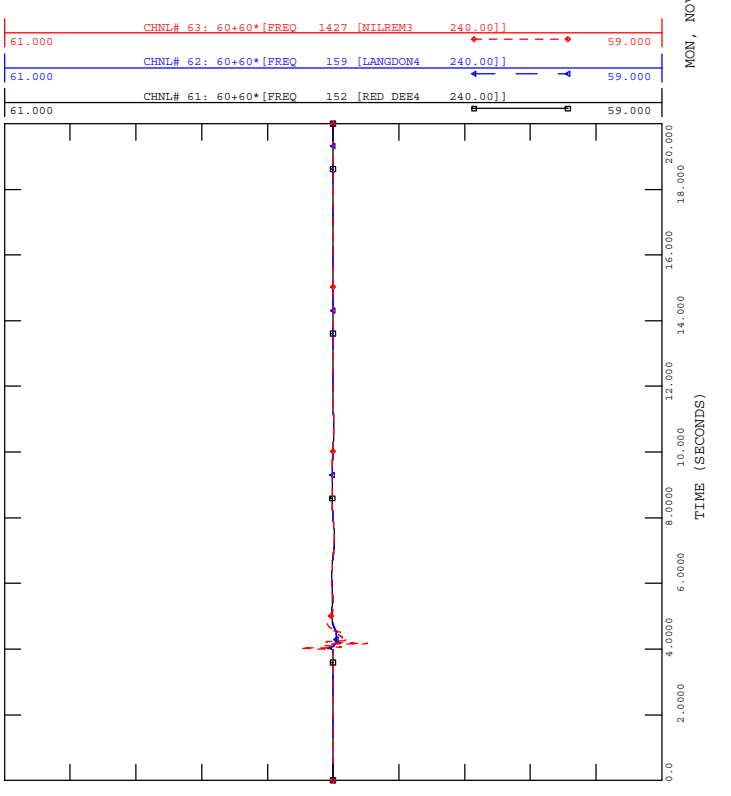


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 12:55

FREQUENCY

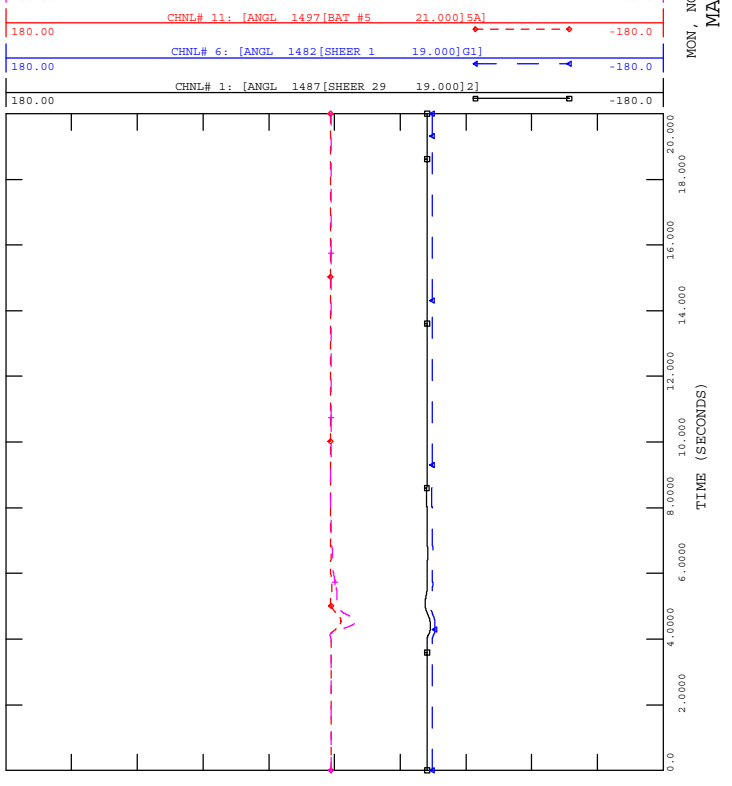


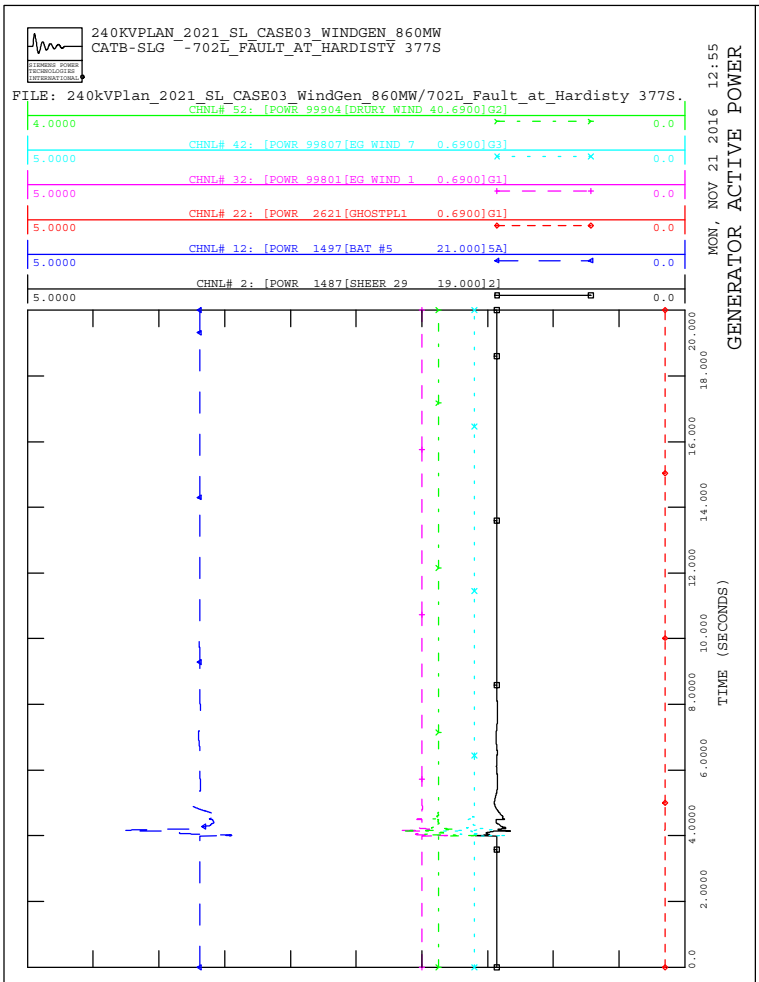
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

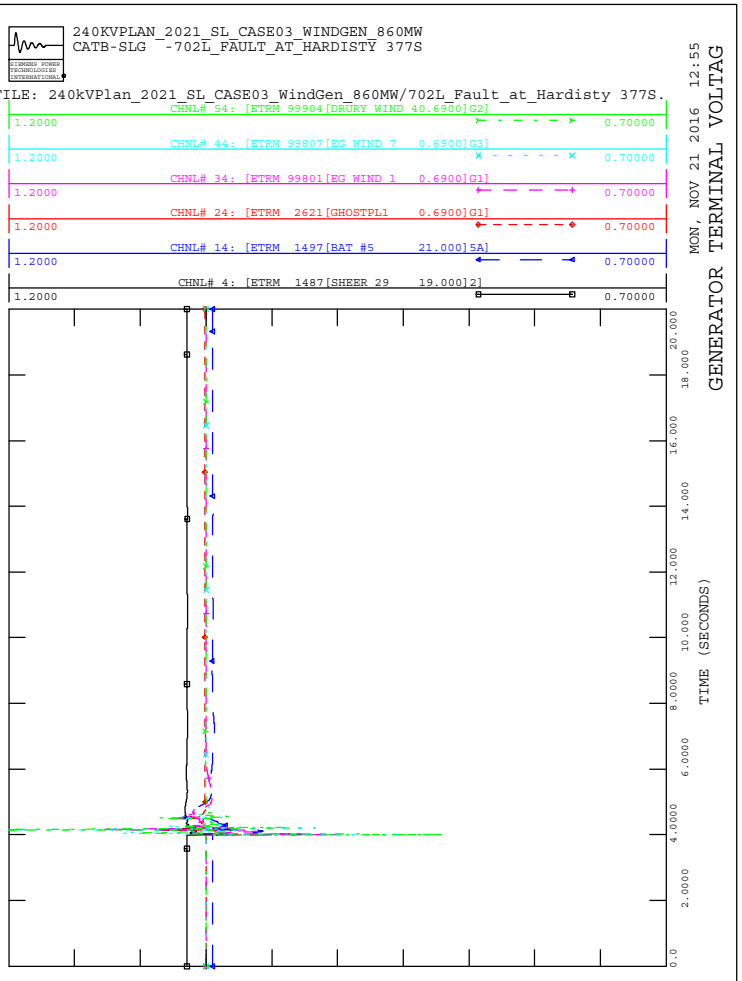
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.

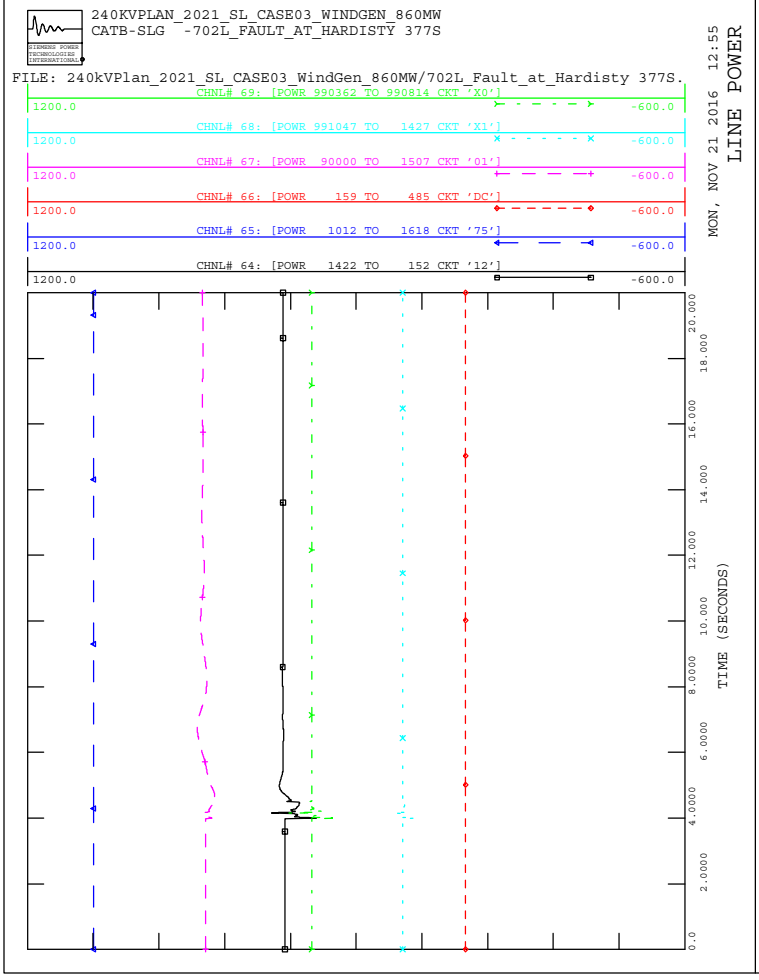
MON, NOV 21 2016 12:55

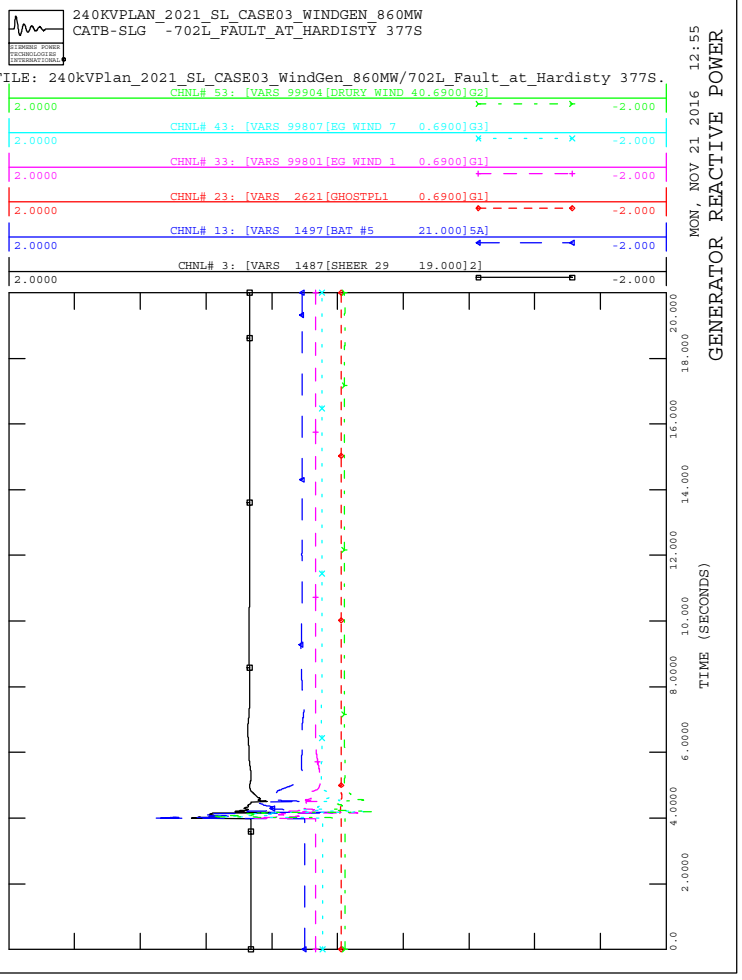
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

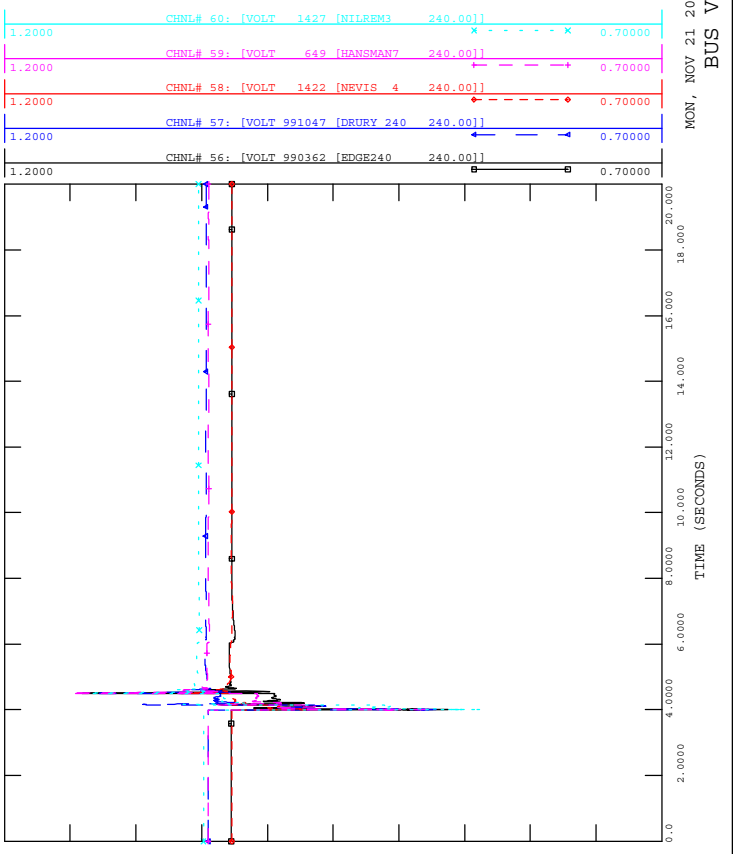

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_Fault_at_Hardisty 377S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 12:55

BUS VOLTAGE

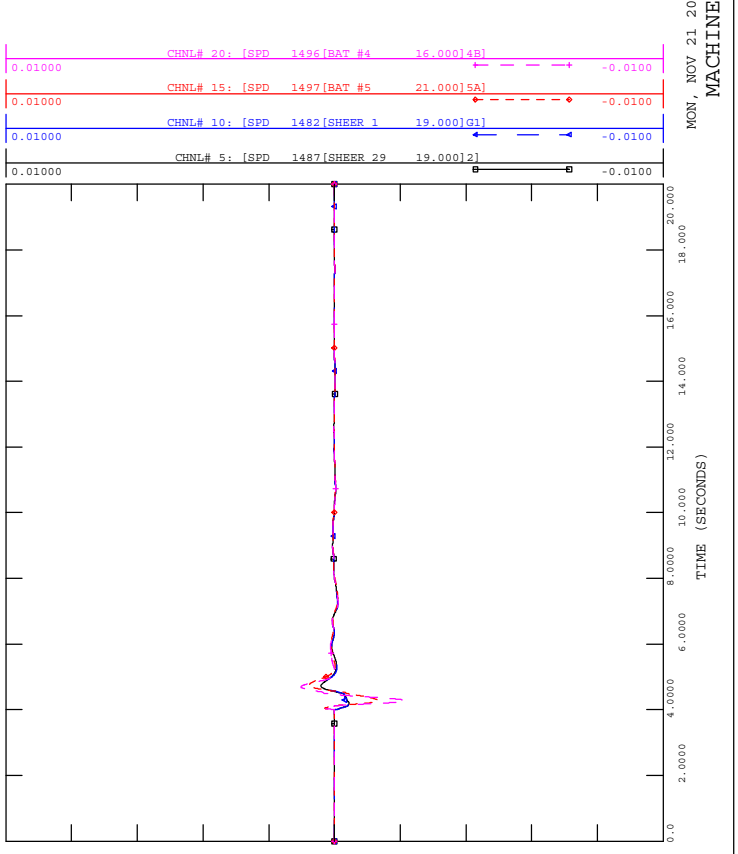


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 12:55

MACHINE SPEED

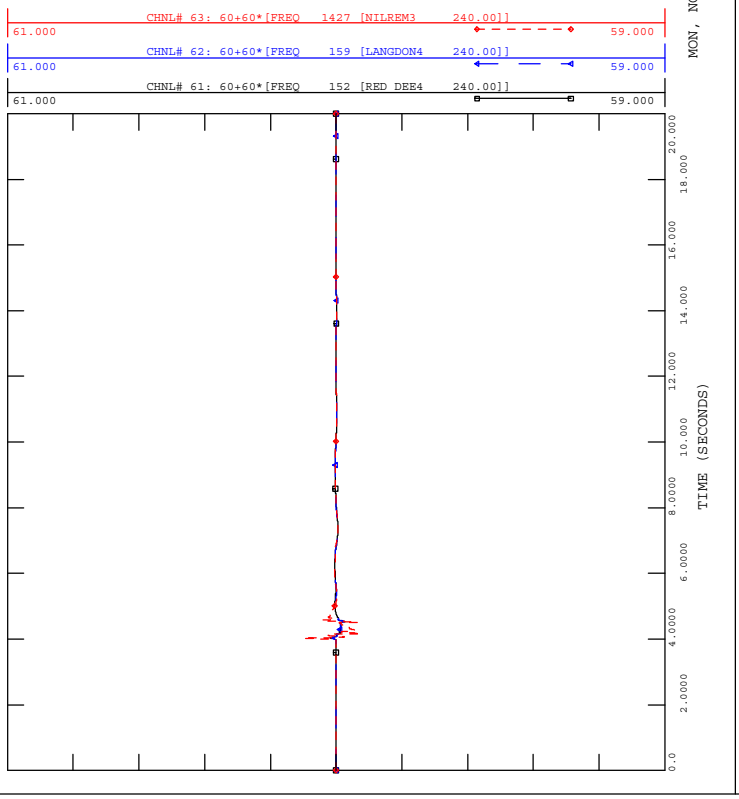


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 12:55

FREQUENCY

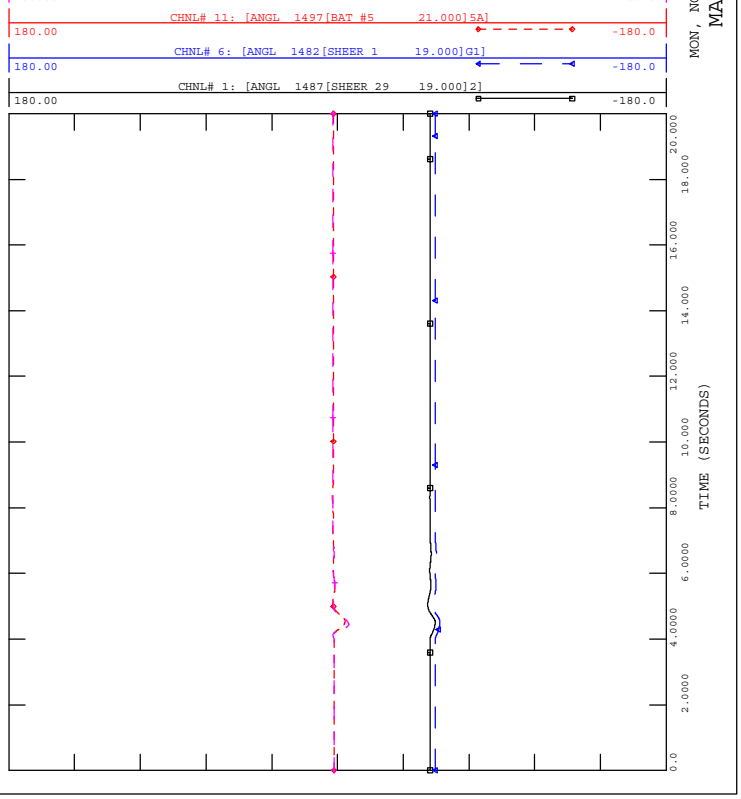


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.

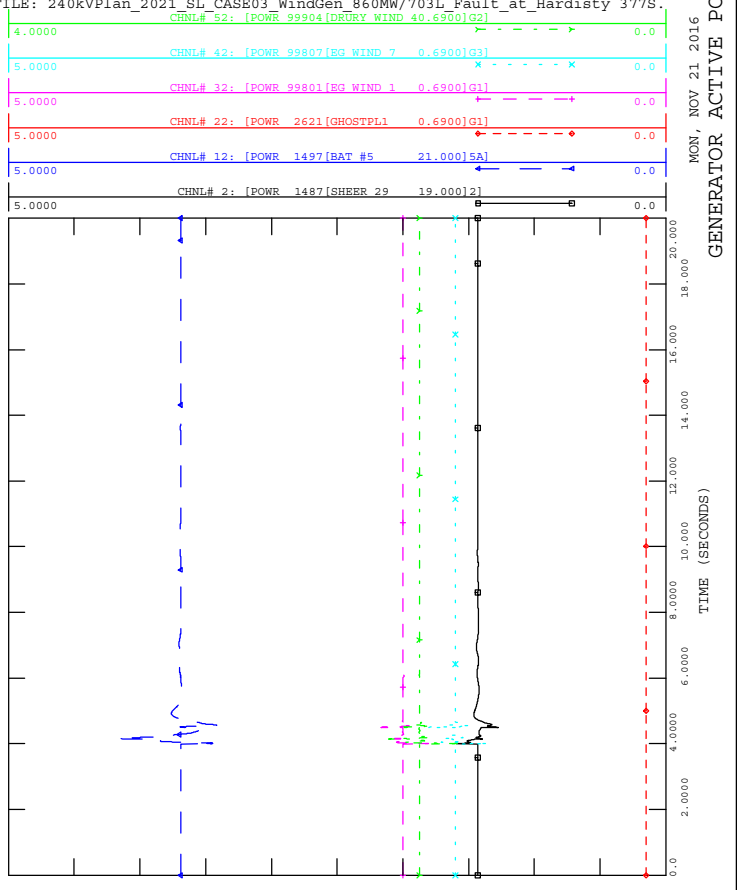
MON, NOV 21 2016 12:55

MACHINE ANGEL



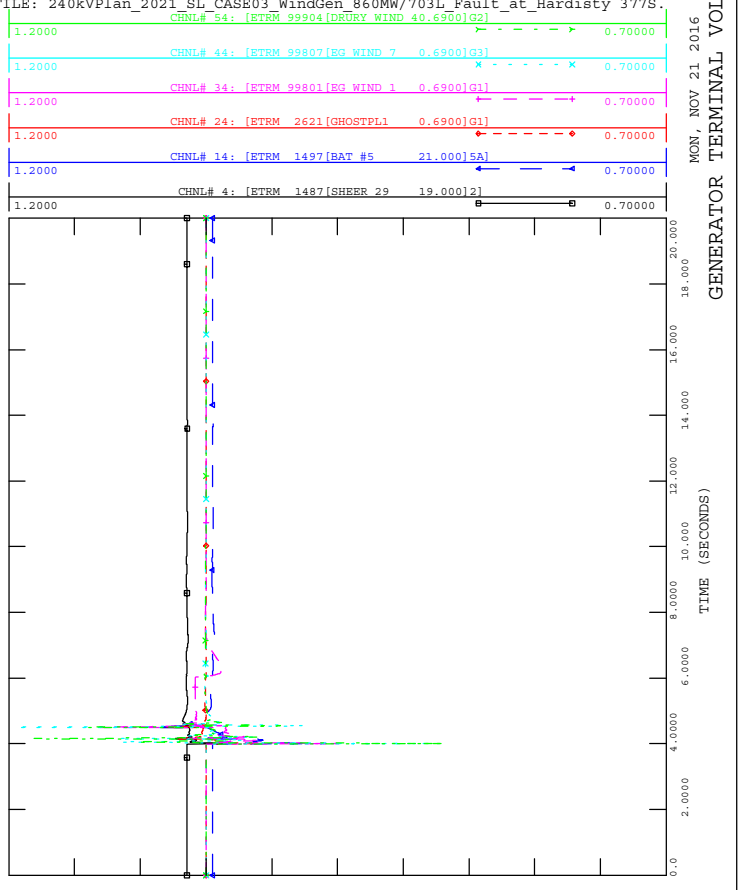
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.



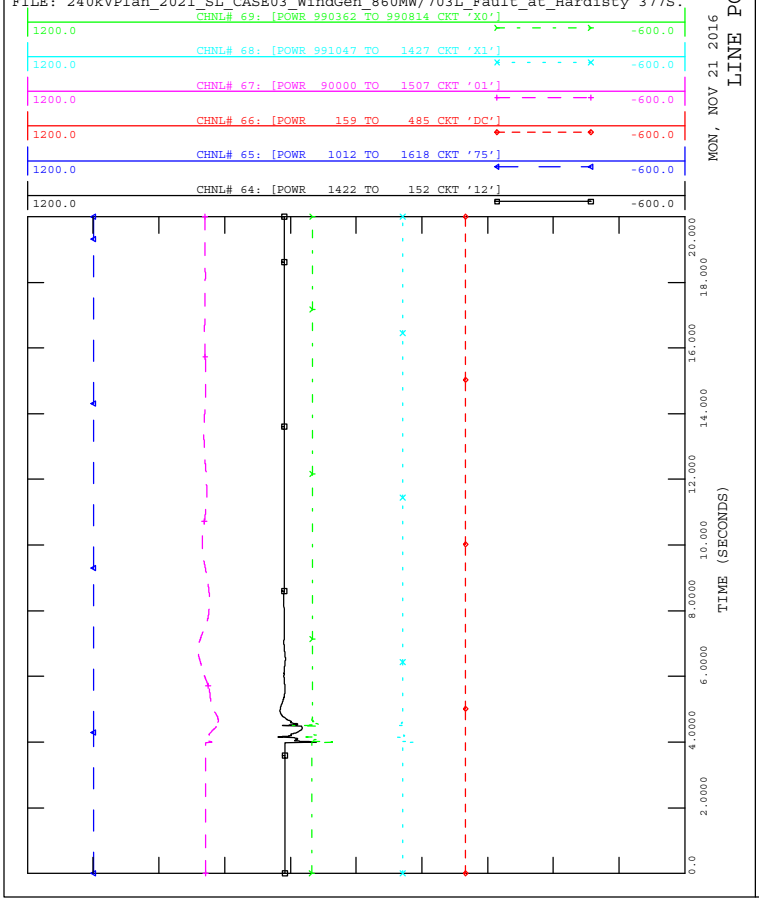
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.



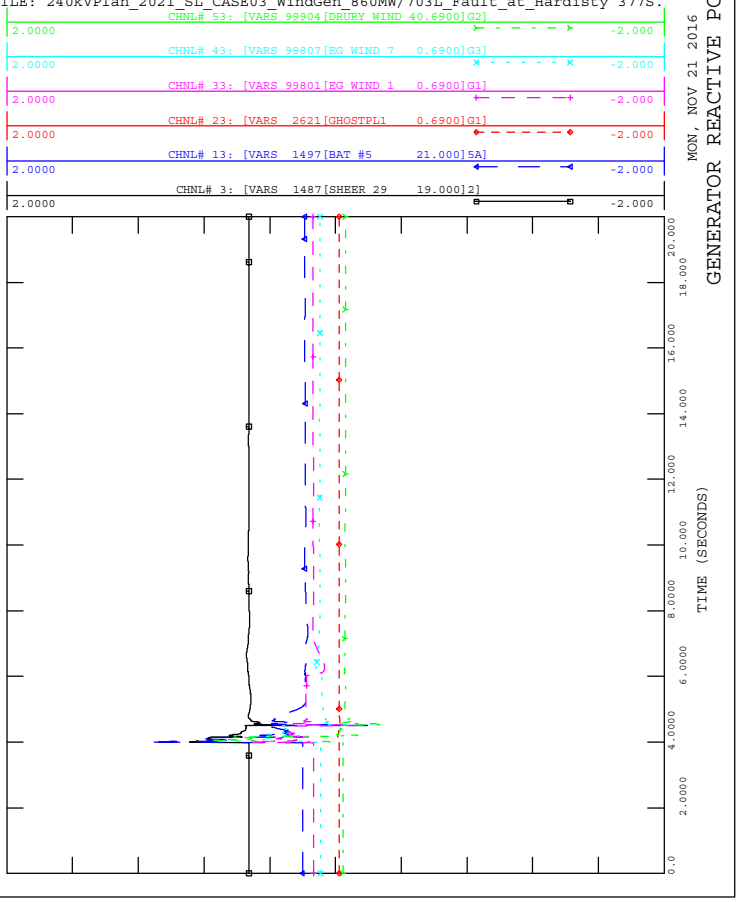
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hardisty 377S.

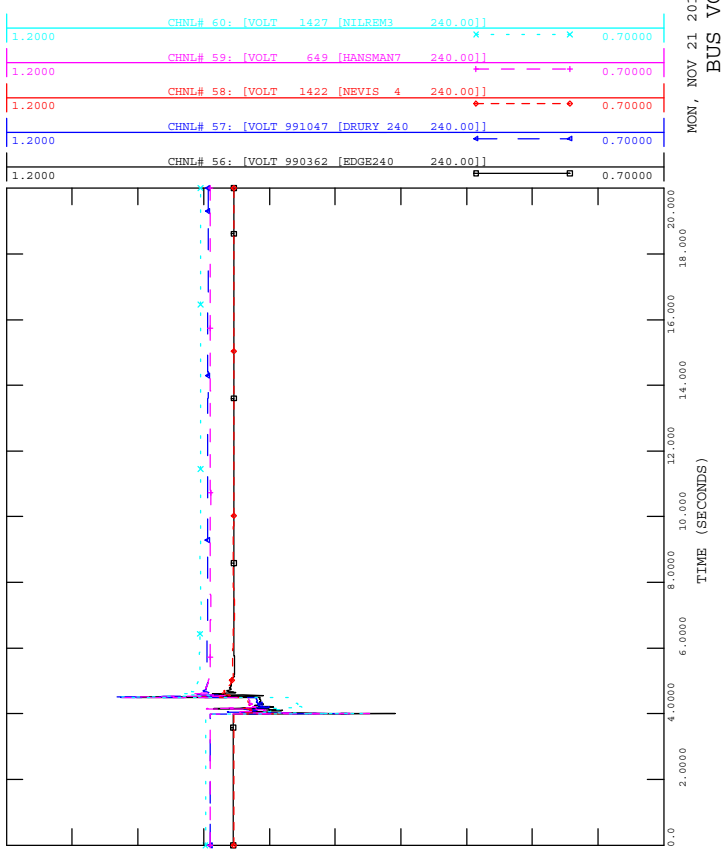


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S

MON, NOV 21 2016 12:55

BUS VOLTAGE

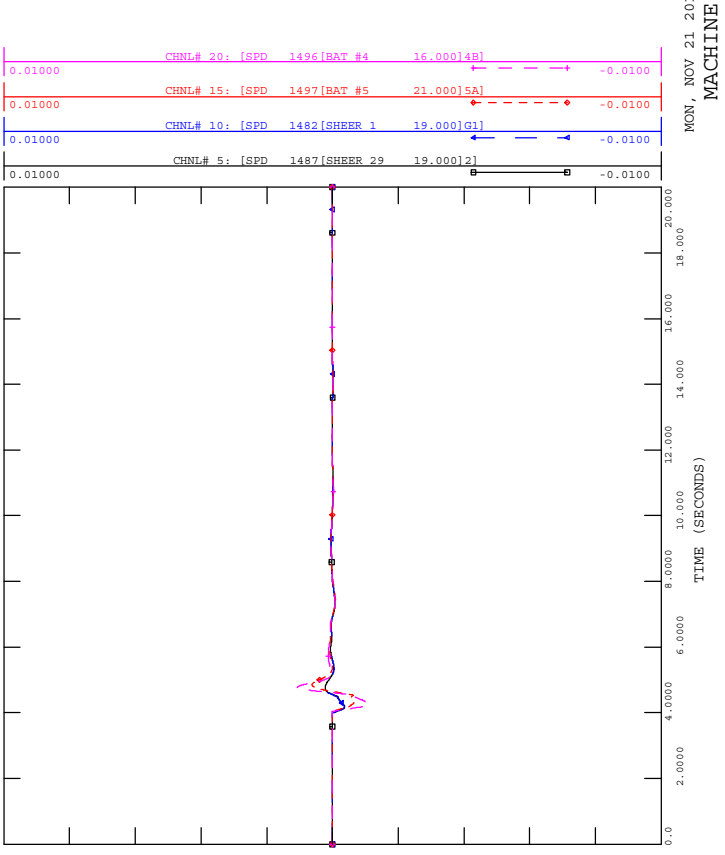


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S

MON, NOV 21 2016 12:55

MACHINE SPEED

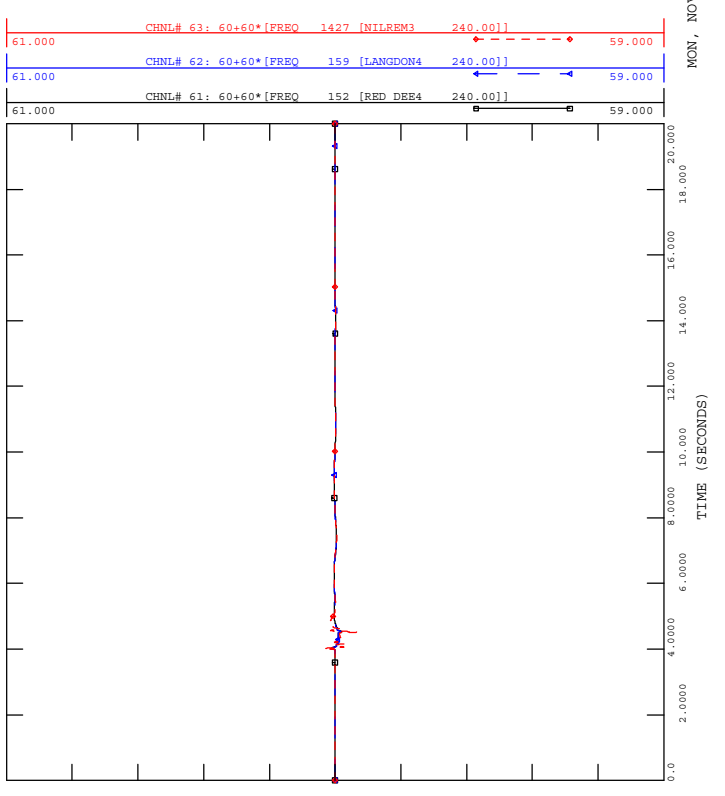


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S

MON, NOV 21 2016 12:55

FREQUENCY

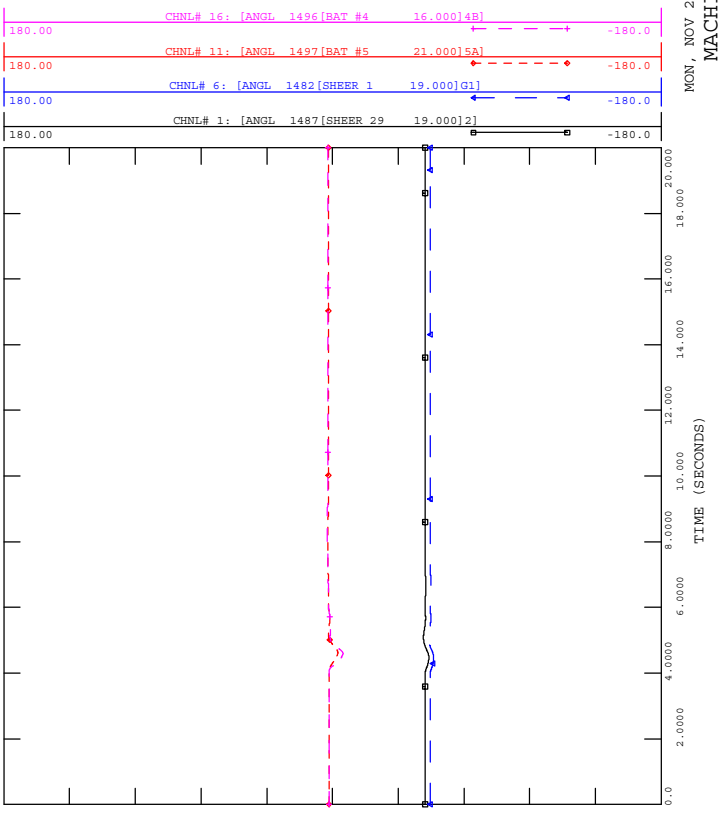


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S

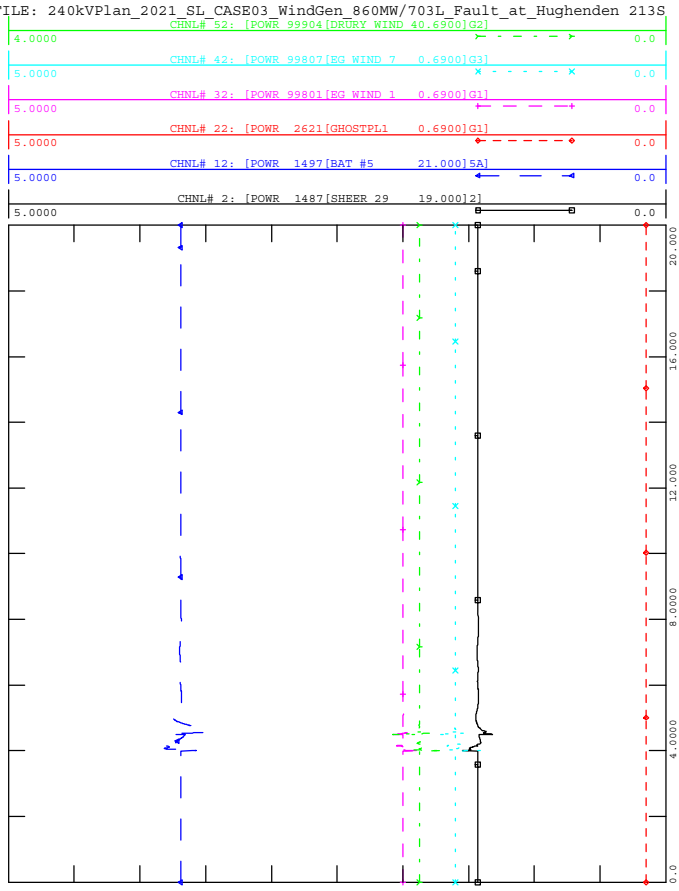
MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

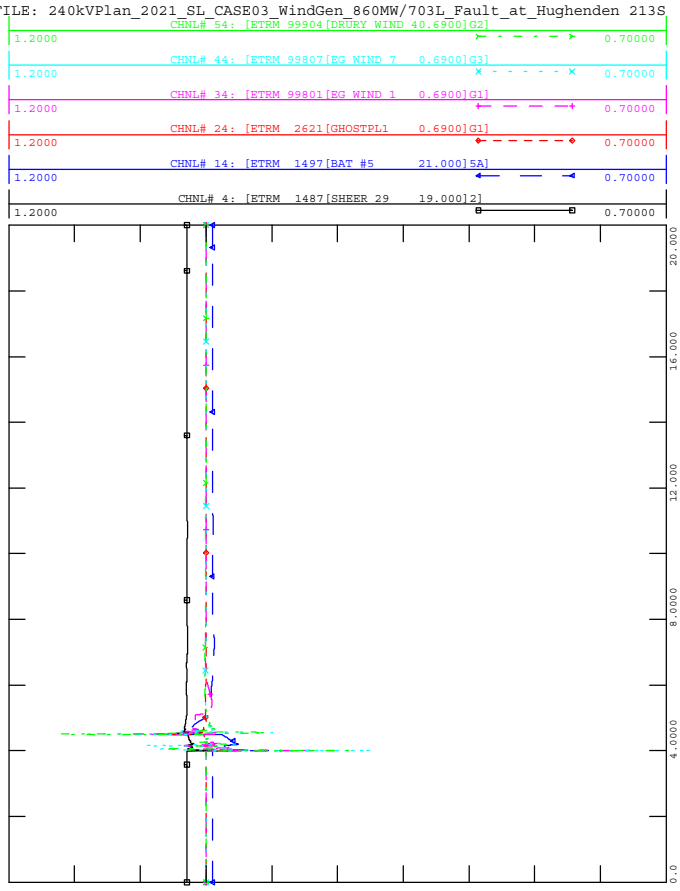
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S



MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

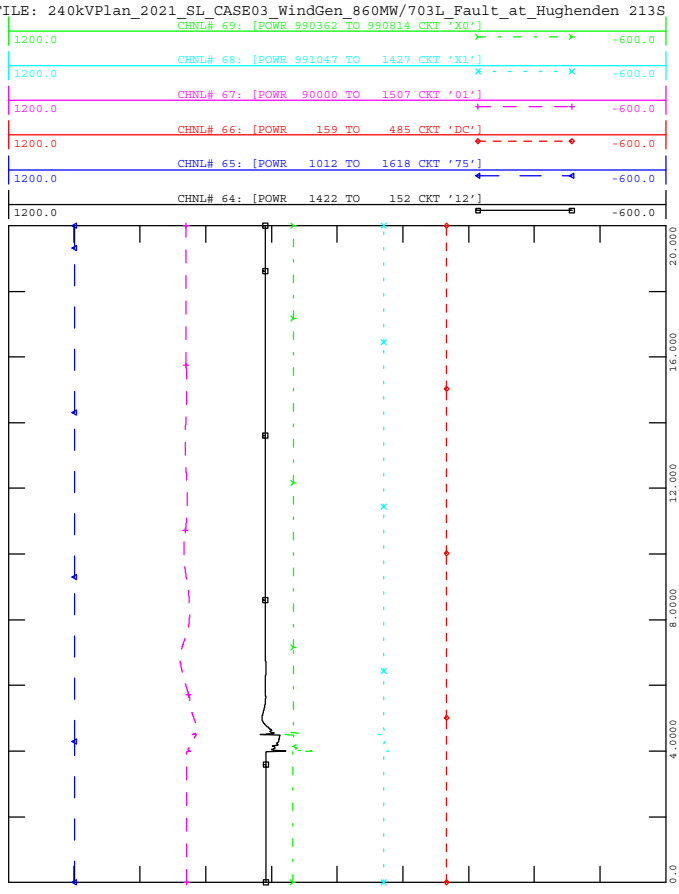
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S



MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

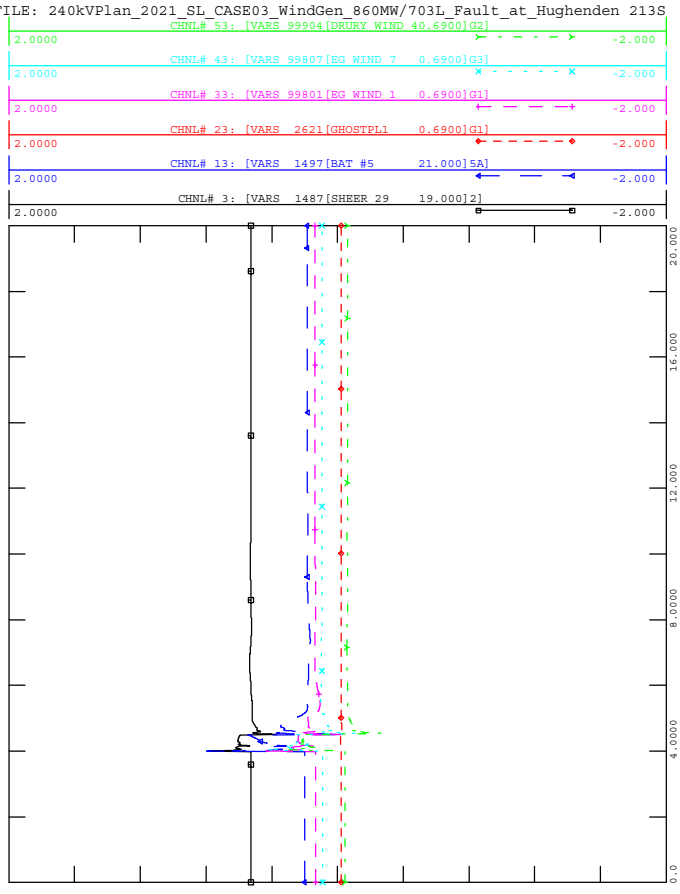
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S



MON, NOV 21 2016 12:55
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/703L_Fault_at_Hughenden 213S



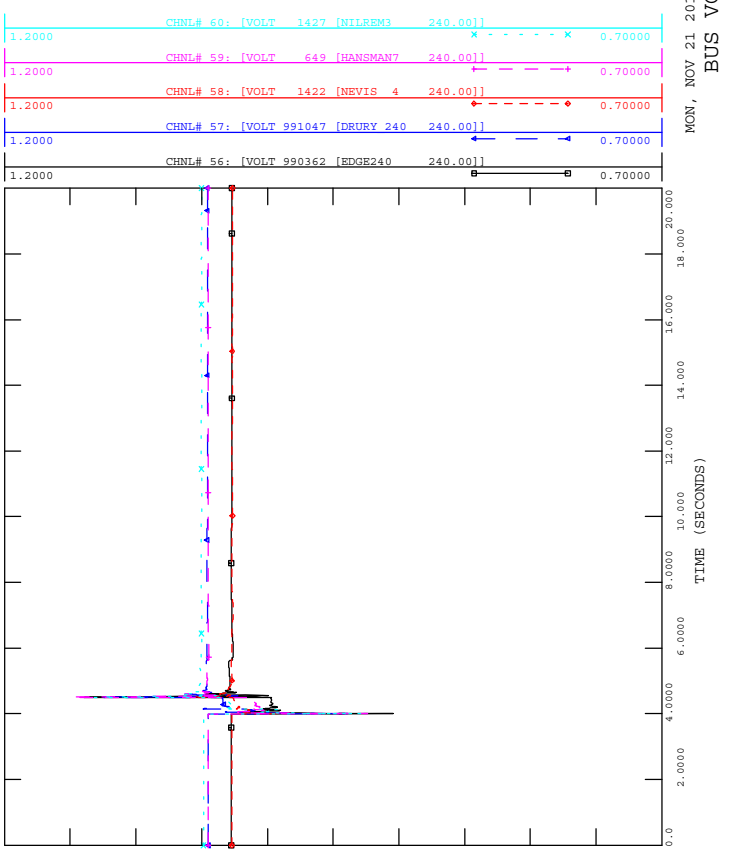
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S

MON, NOV 21 2016 12:55

BUS VOLTAGE

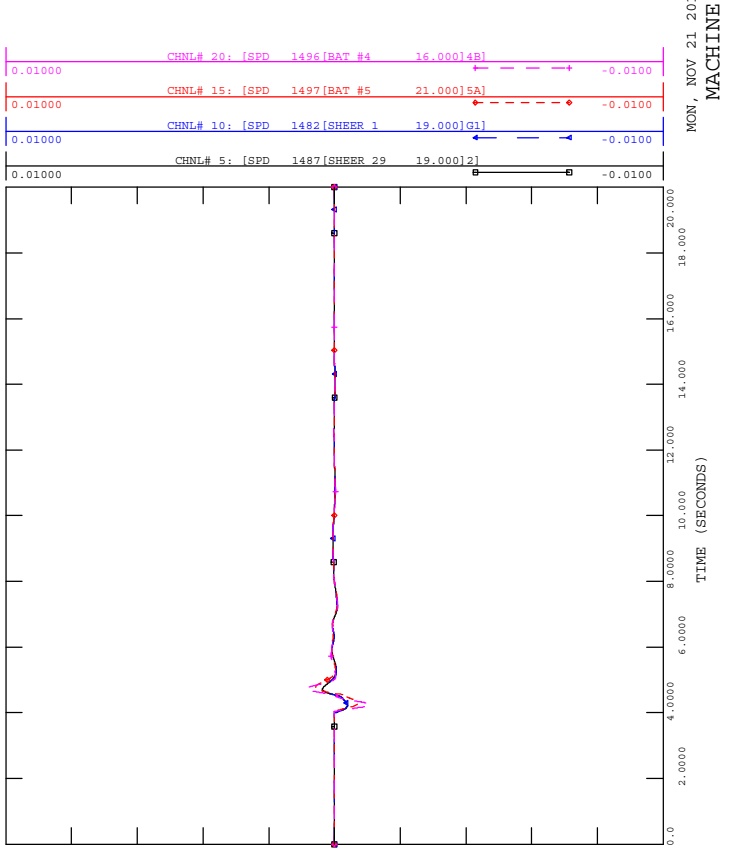


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S

MON, NOV 21 2016 12:55

MACHINE SPEED

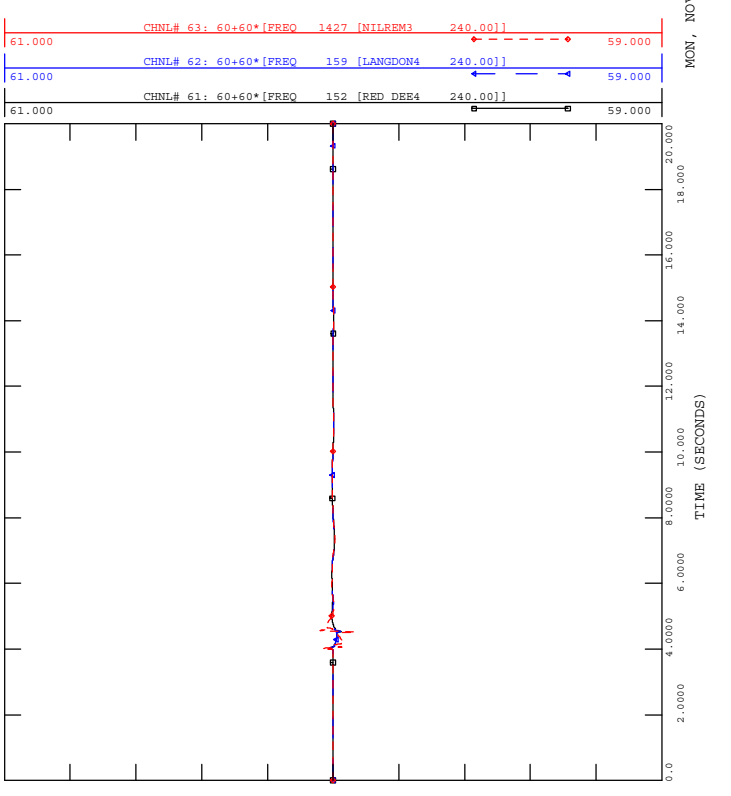


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S

MON, NOV 21 2016 12:55

FREQUENCY

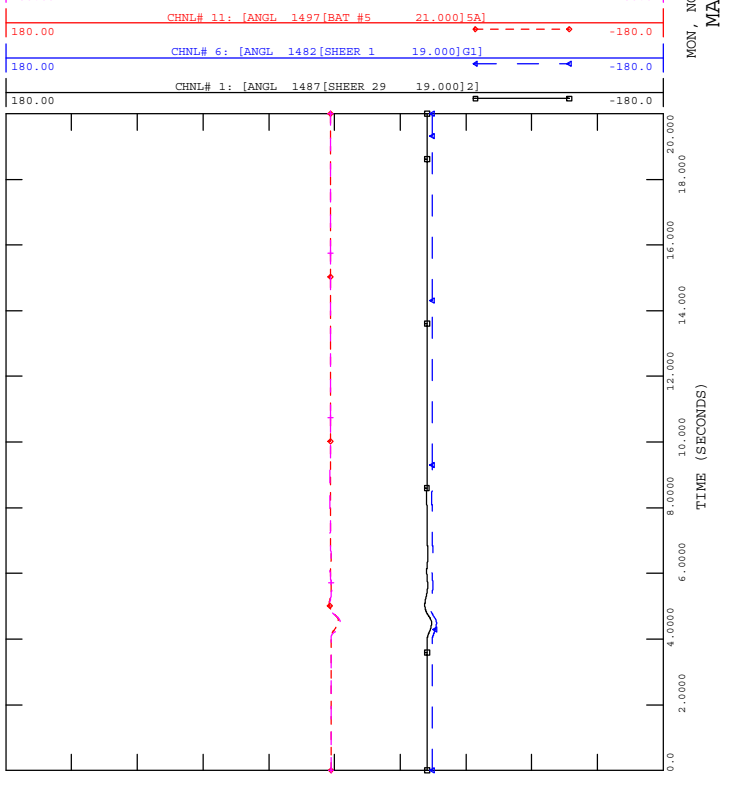


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S

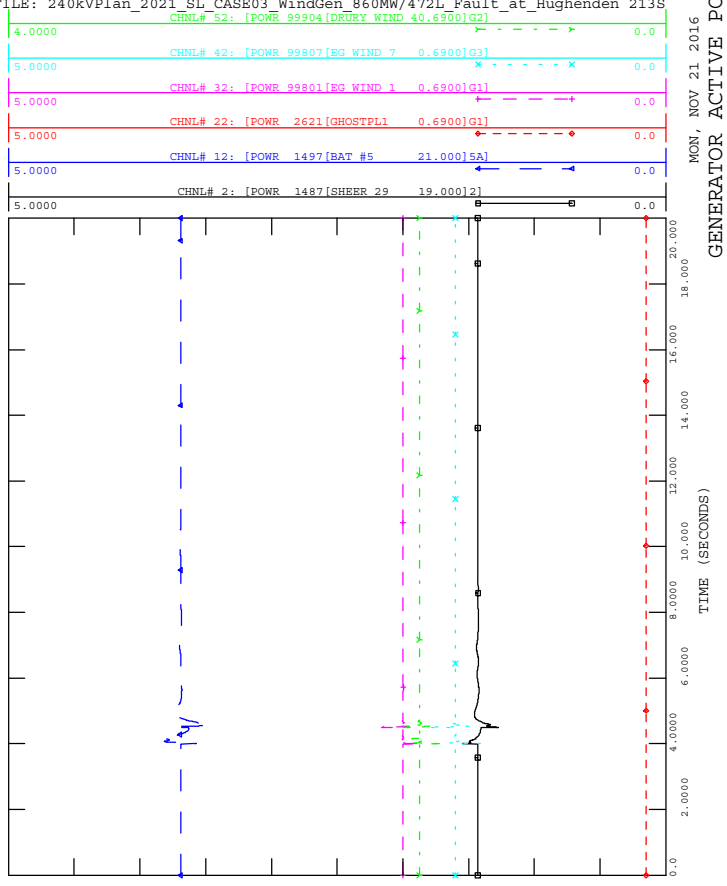
MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

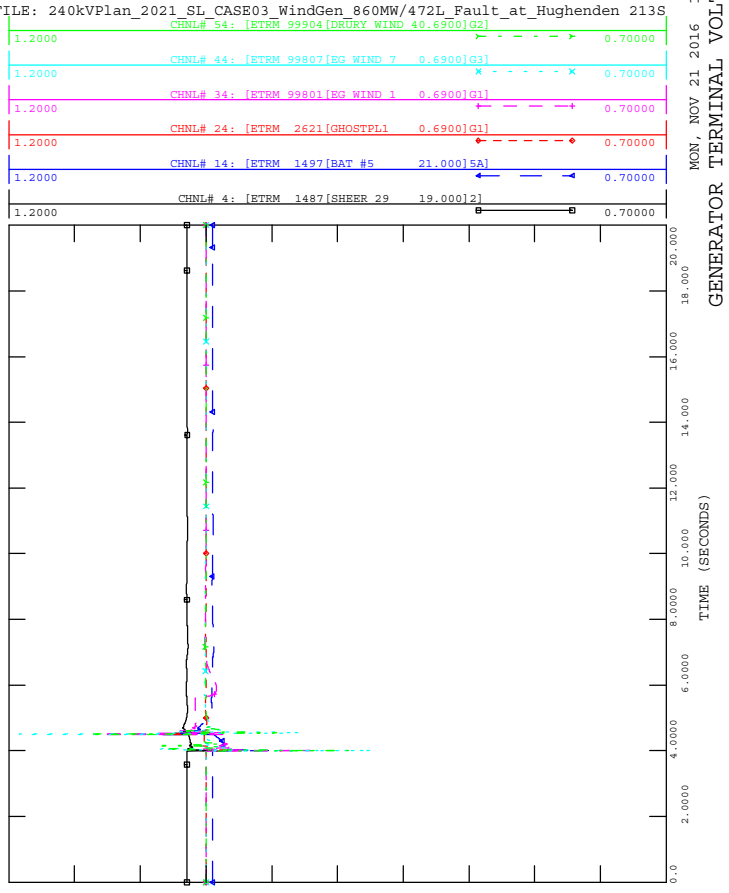
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

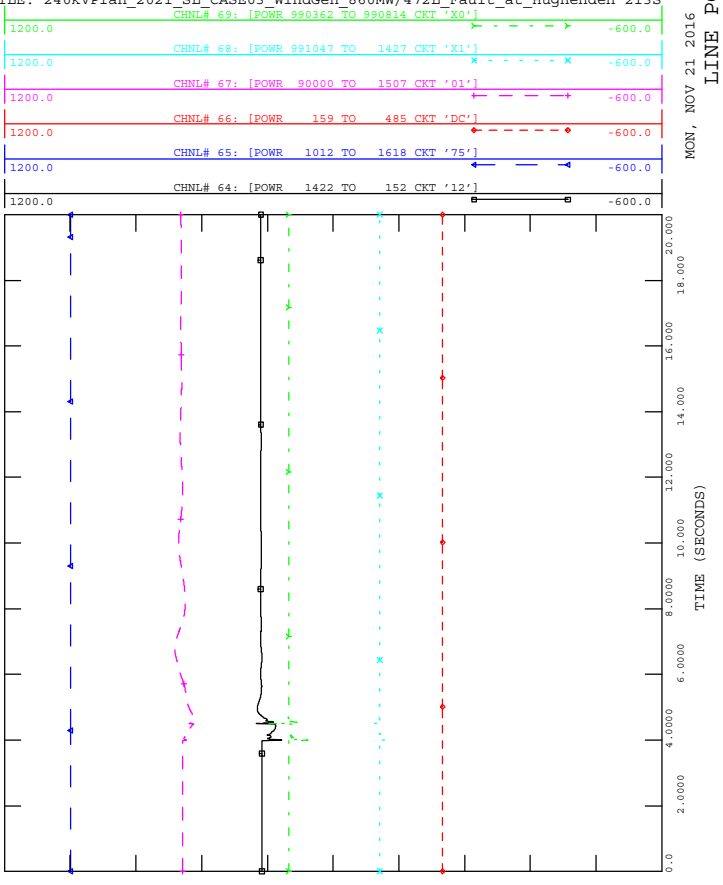
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

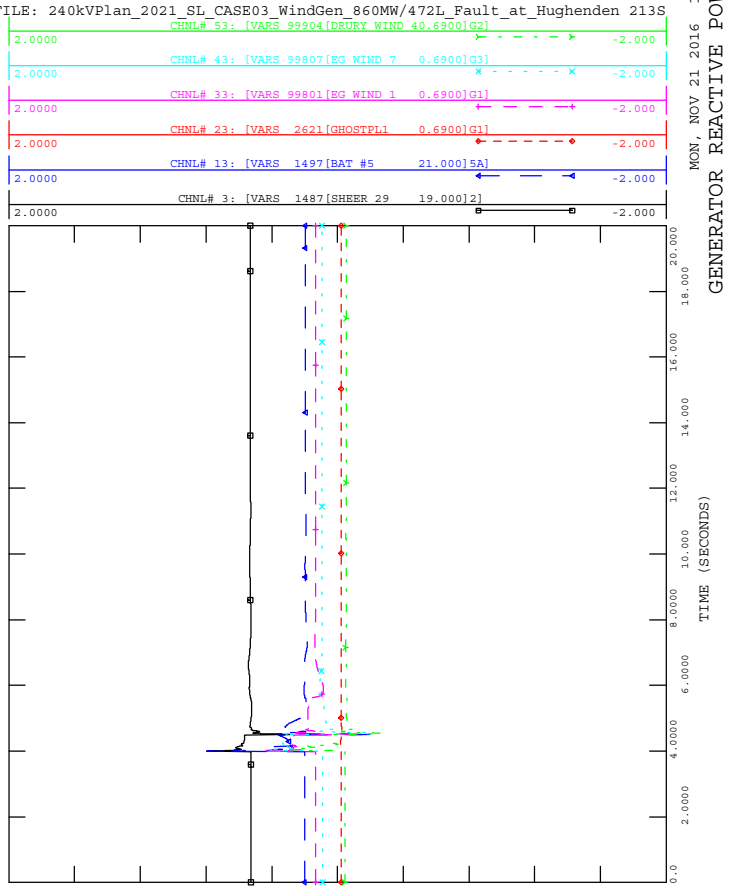
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S



LINE POWER
MON, NOV 21 2016 12:55

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Hughenden 213S



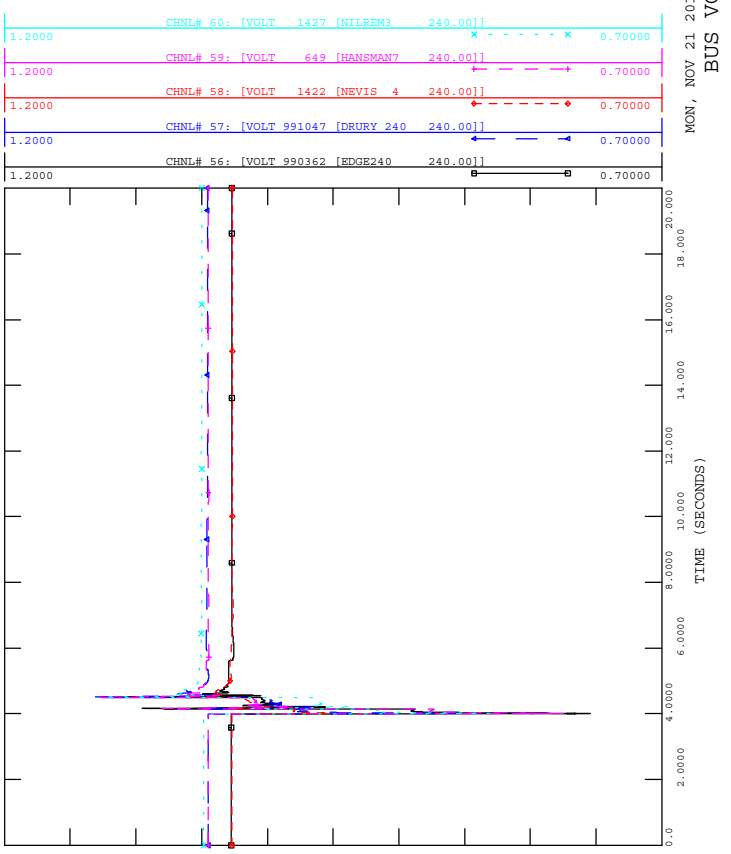
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

BUS VOLTAGE

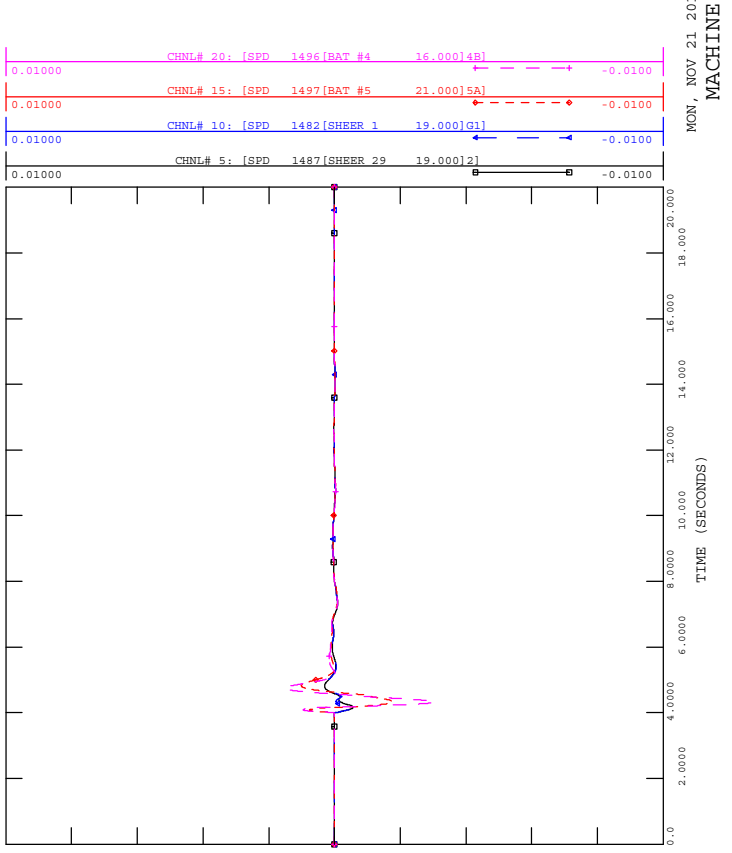


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

MACHINE SPEED

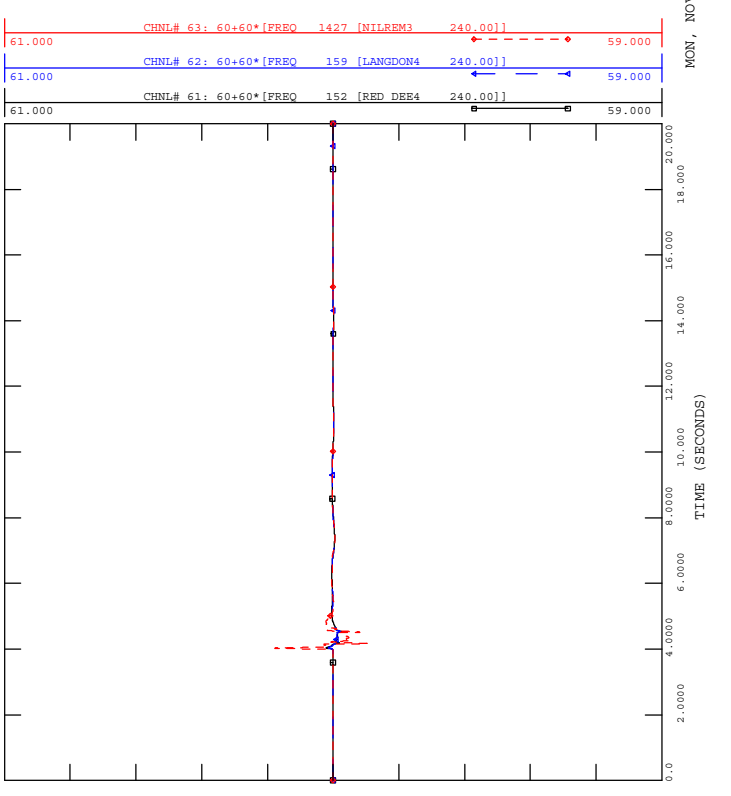


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

FREQUENCY

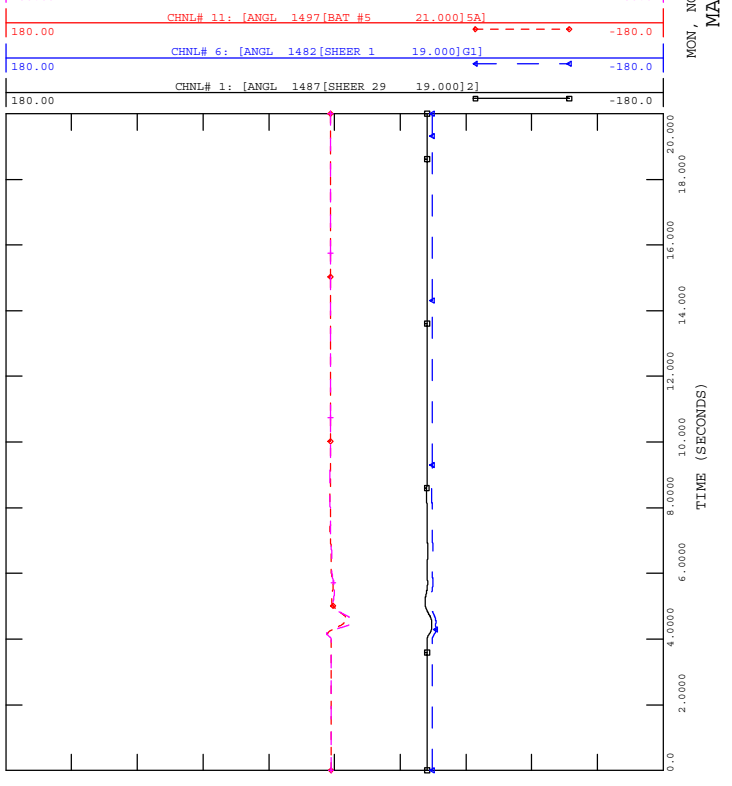


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

GENERATOR ACTIVE POWER

MON, NOV 21 2016 12:55

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

GENERATOR TERMINAL VOLTAG

MON, NOV 21 2016 12:55

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

LINE POWER

MON, NOV 21 2016 12:55

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_Fault_at_Metiskow 648S.

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

GENERATOR REACTIVE POWER

MON, NOV 21 2016 12:55

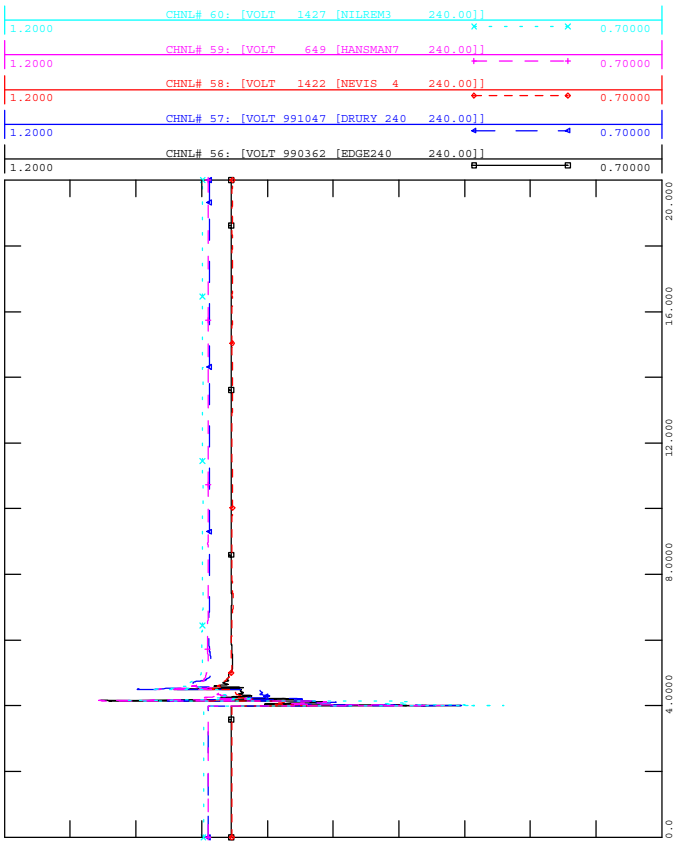
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

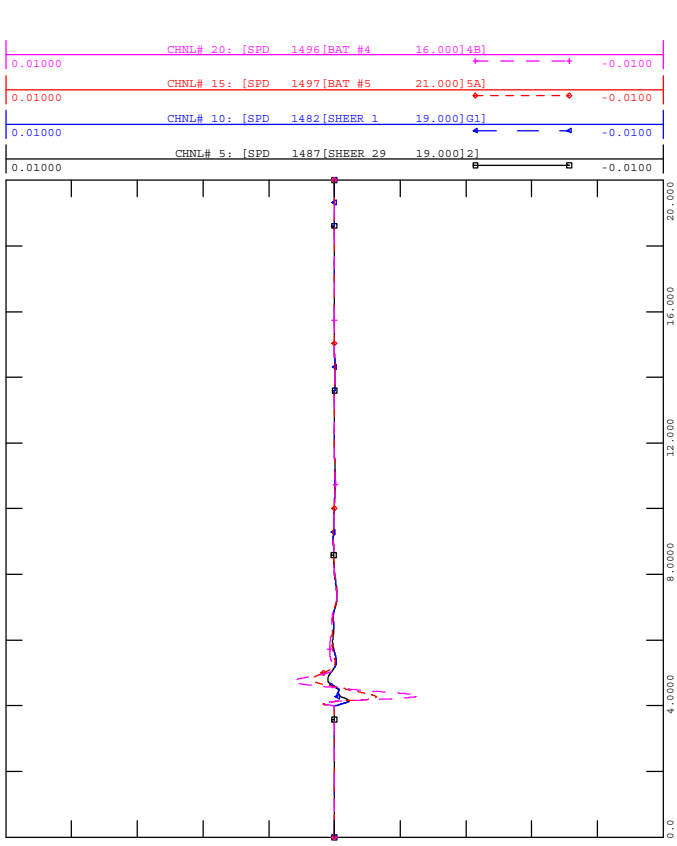


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

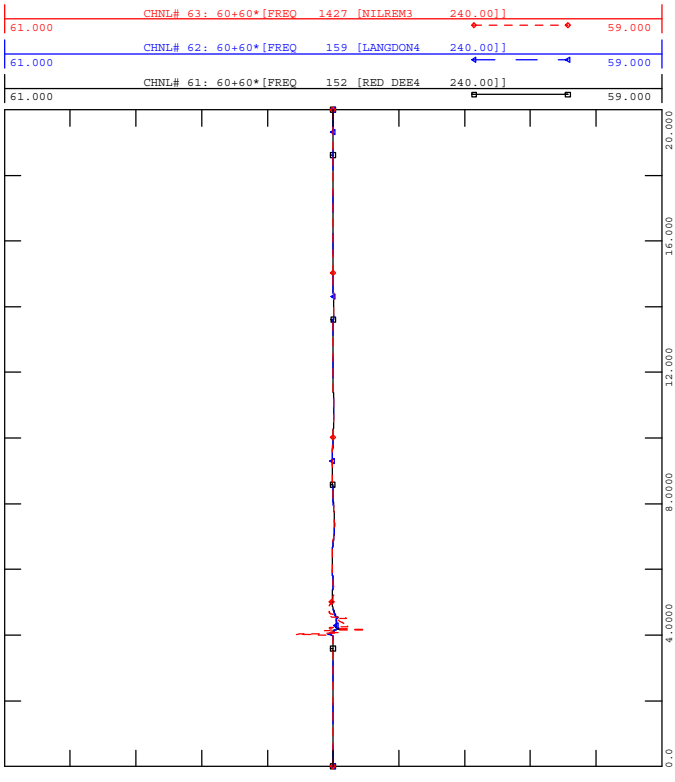


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 12:55

FREQUENCY

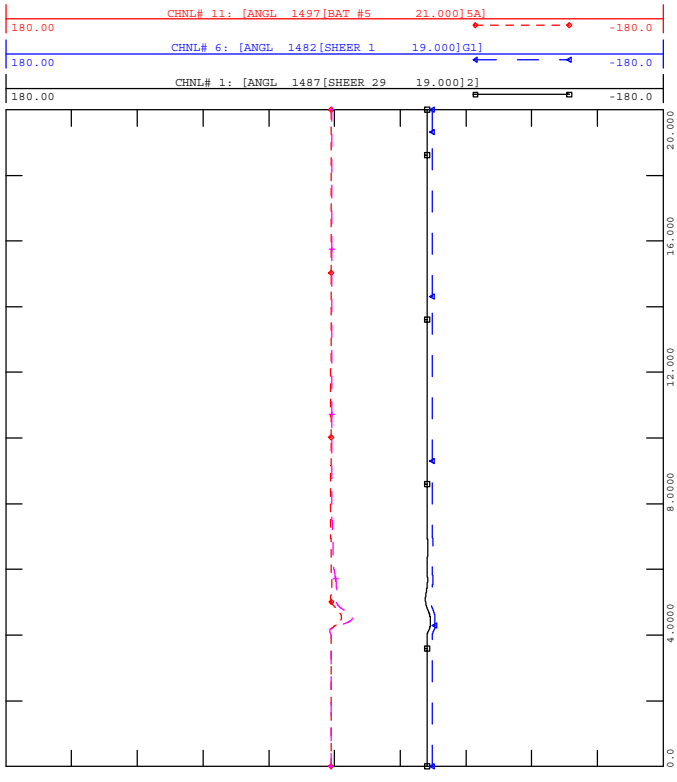


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 12:55

MACHINE ANGEL

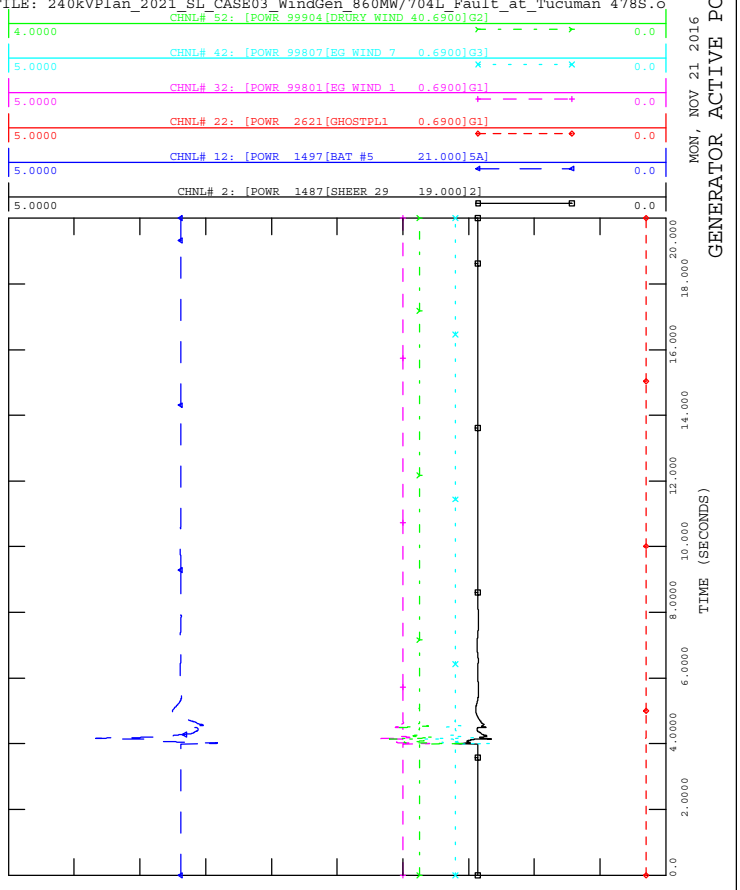


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 12:55

GENERATOR ACTIVE POWER

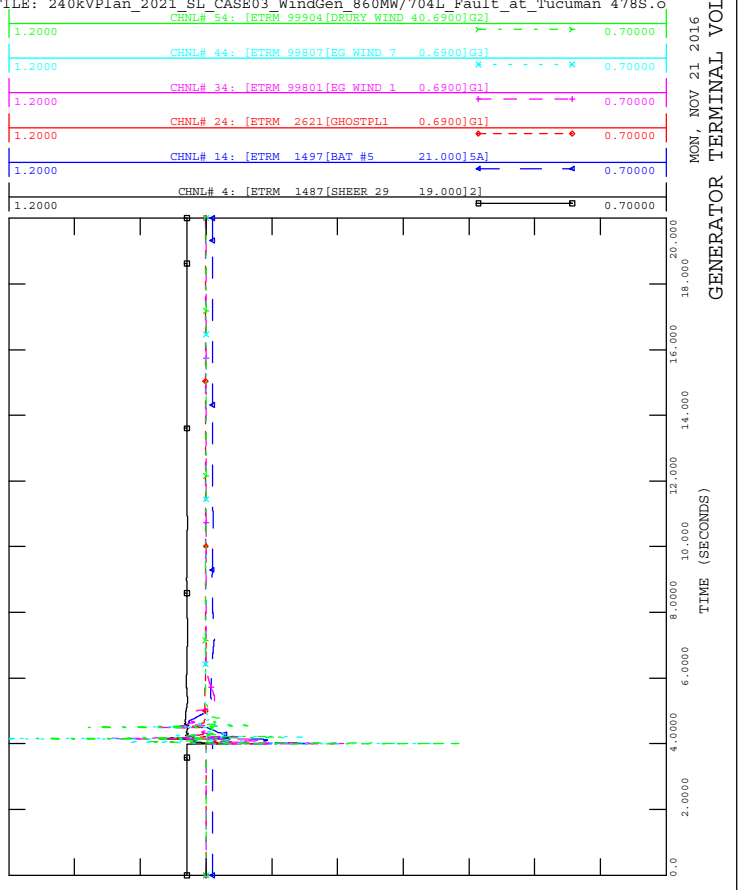


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 12:55

GENERATOR TERMINAL VOLTAG

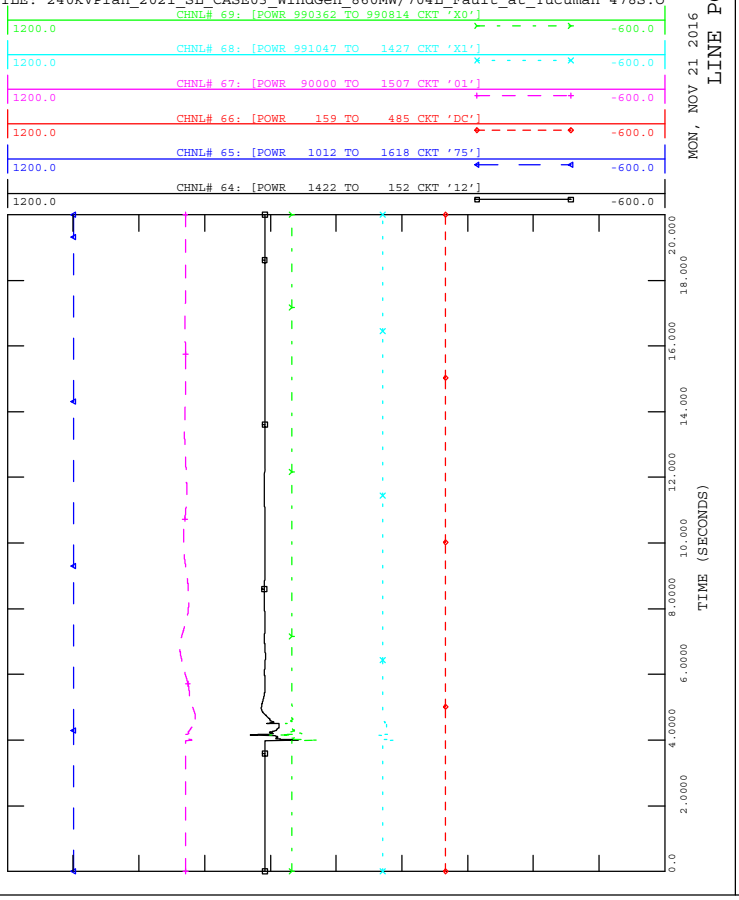


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 12:55

LINE POWER

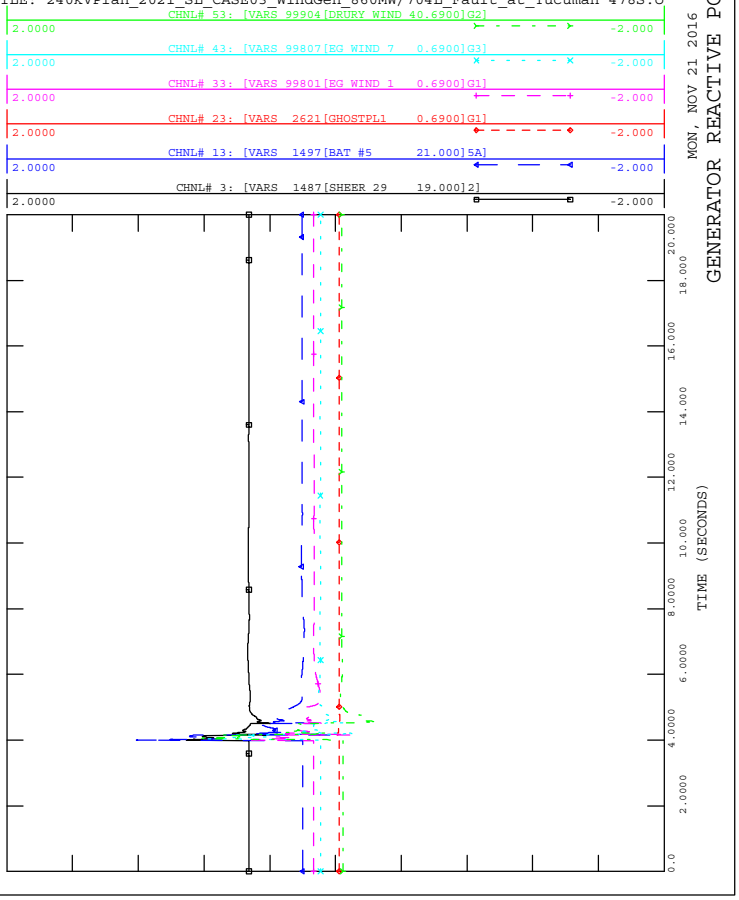


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 12:55

GENERATOR REACTIVE POWER

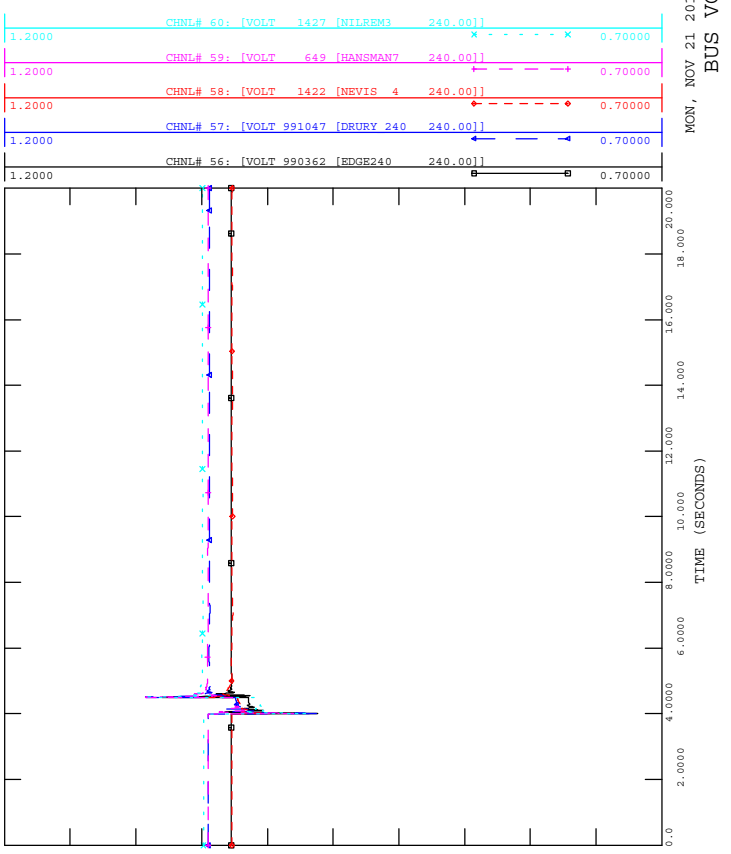


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S

MON, NOV 21 2016 12:55

BUS VOLTAGE

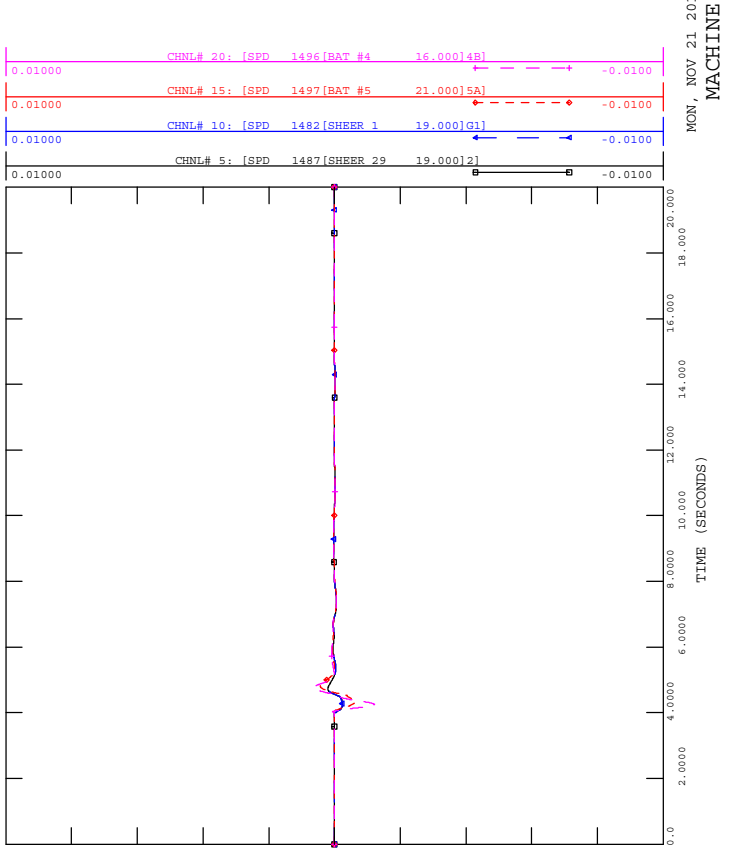


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S

MON, NOV 21 2016 12:55

MACHINE SPEED

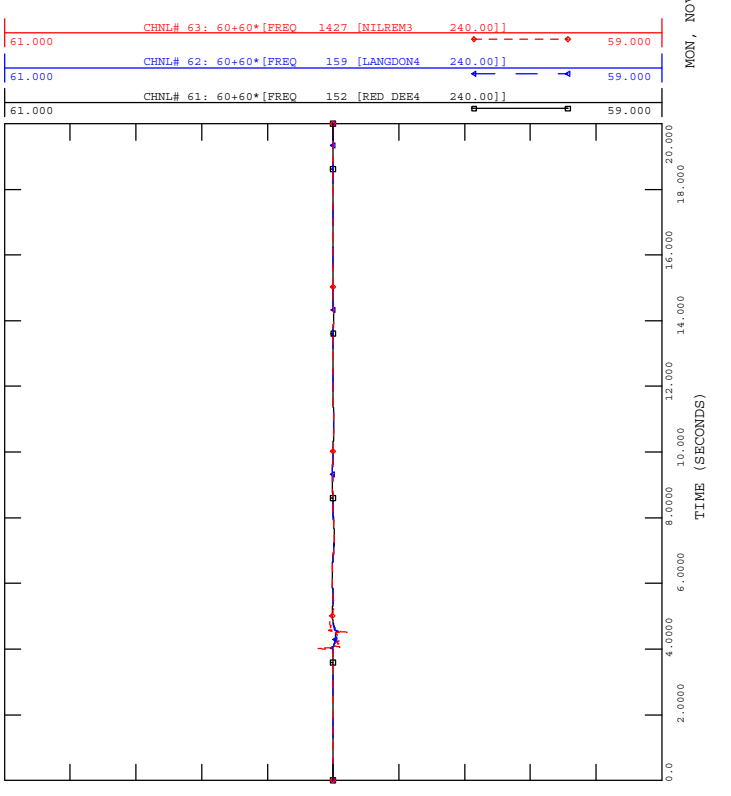


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S

MON, NOV 21 2016 12:55

FREQUENCY

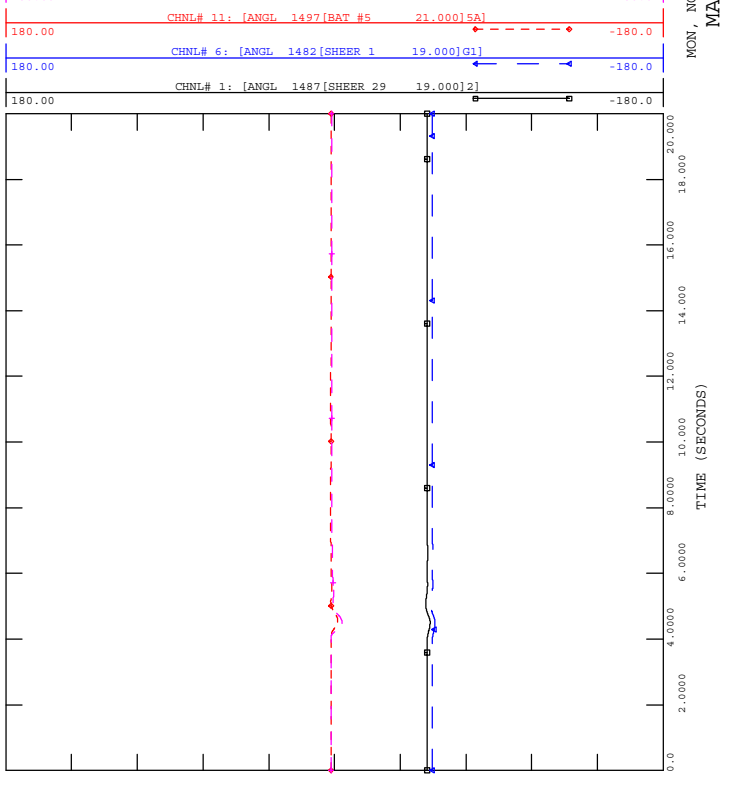


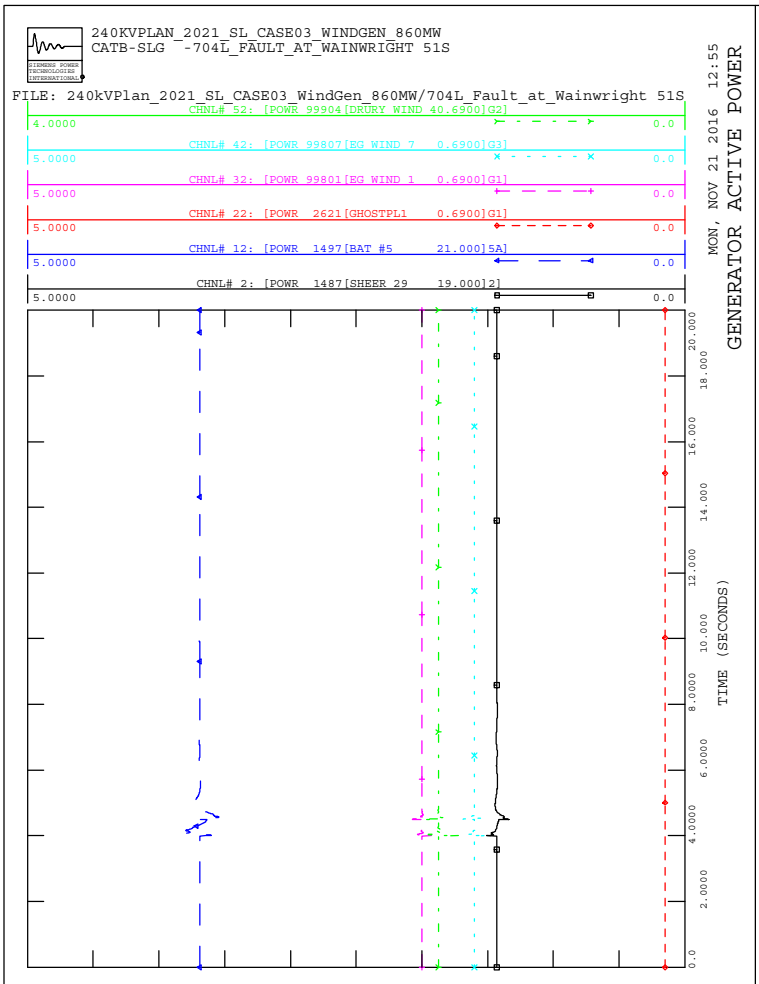
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

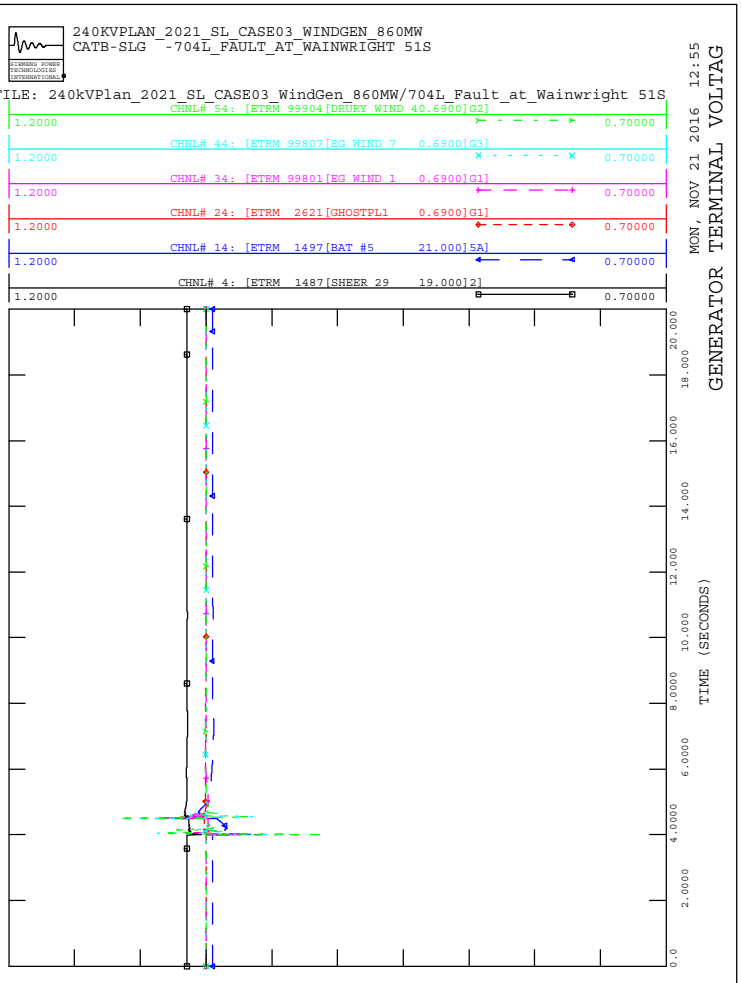
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S

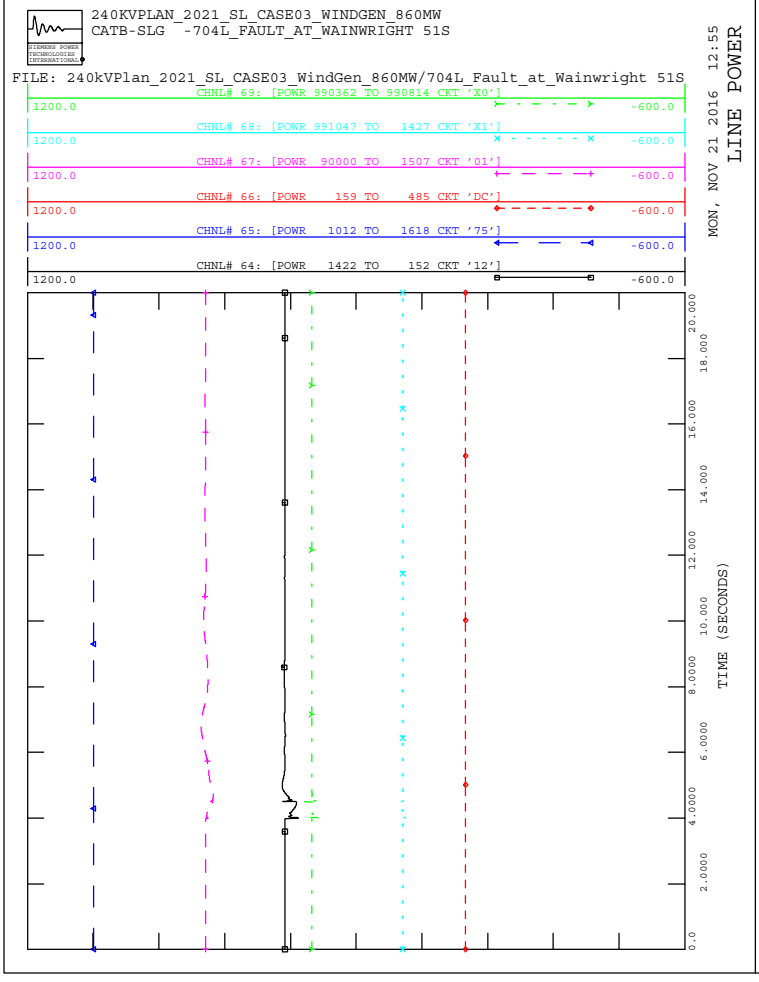
MON, NOV 21 2016 12:55

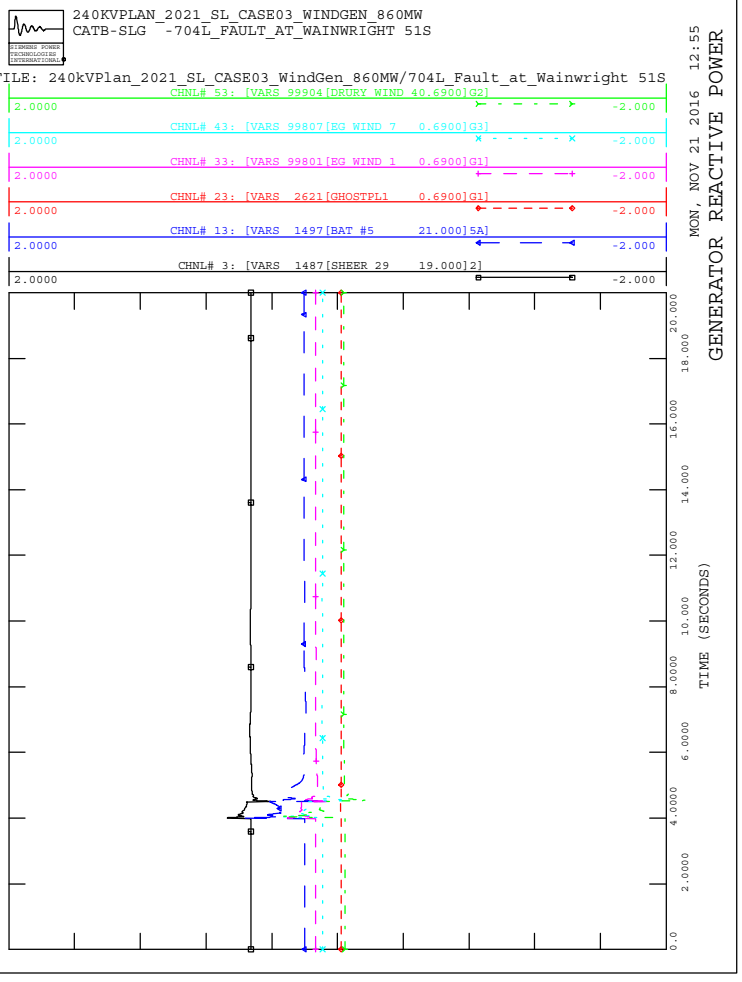
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

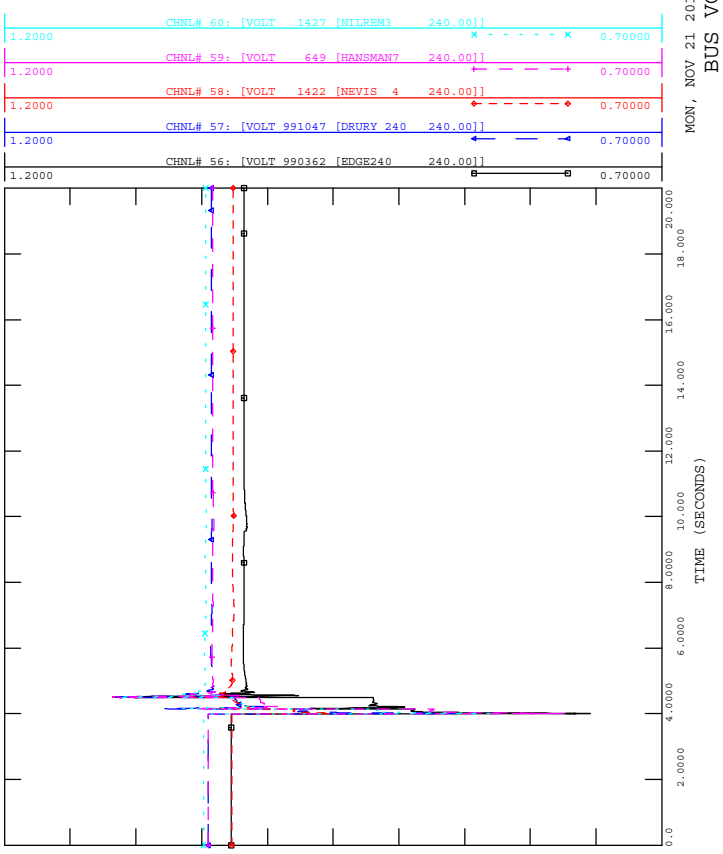

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/704L_Fault_at_Wainwright 51S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

BUS VOLTAGE

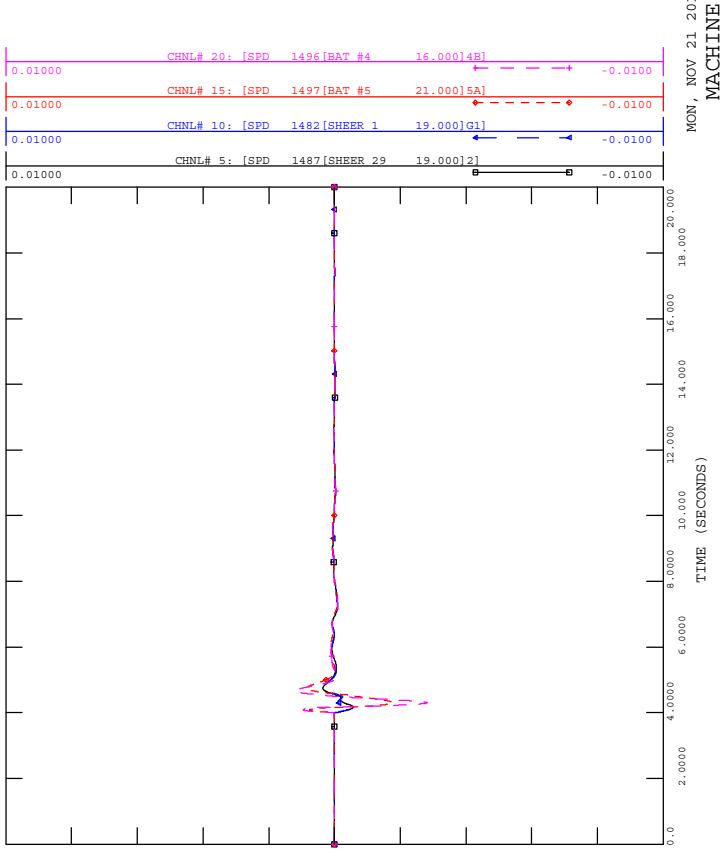


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

MACHINE SPEED

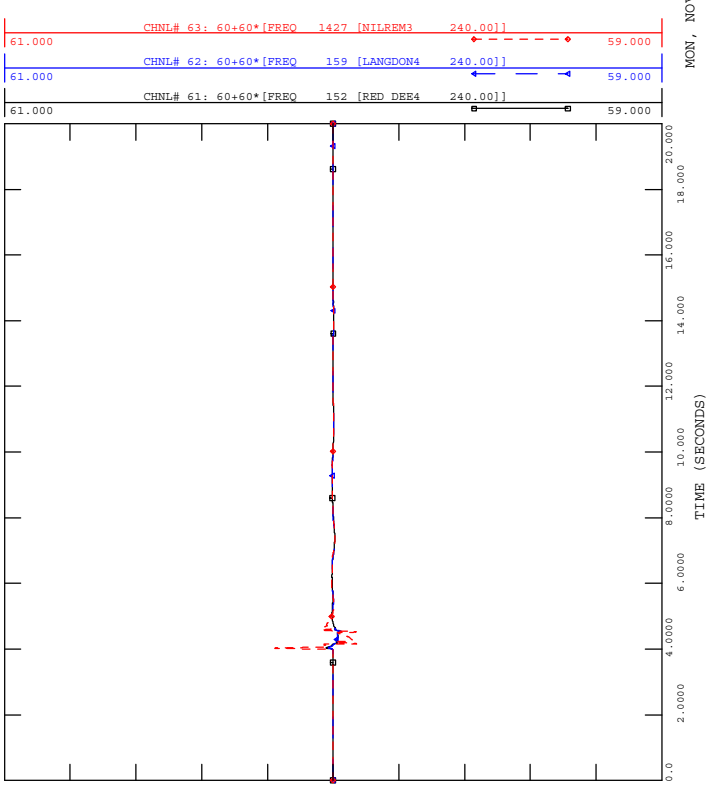


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

FREQUENCY

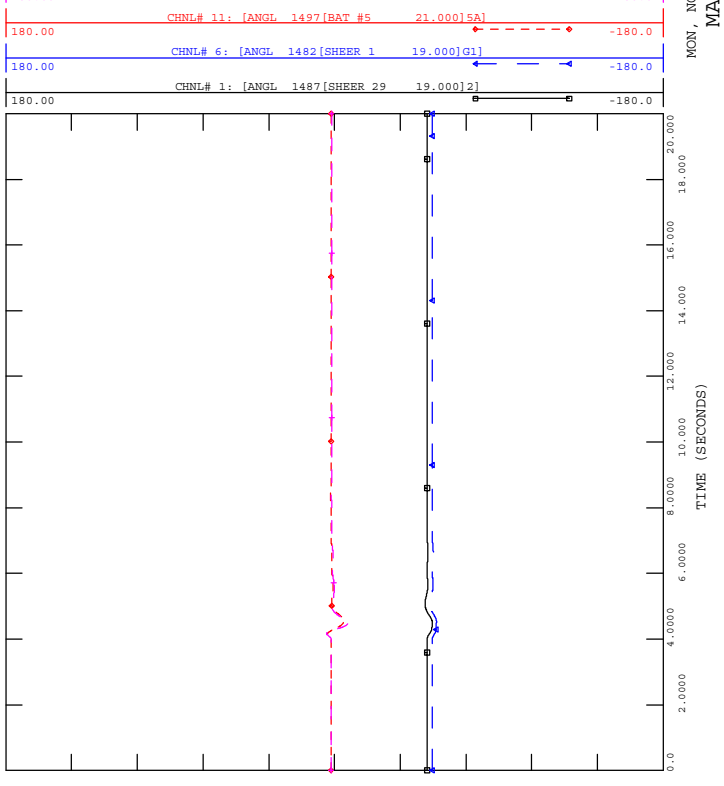


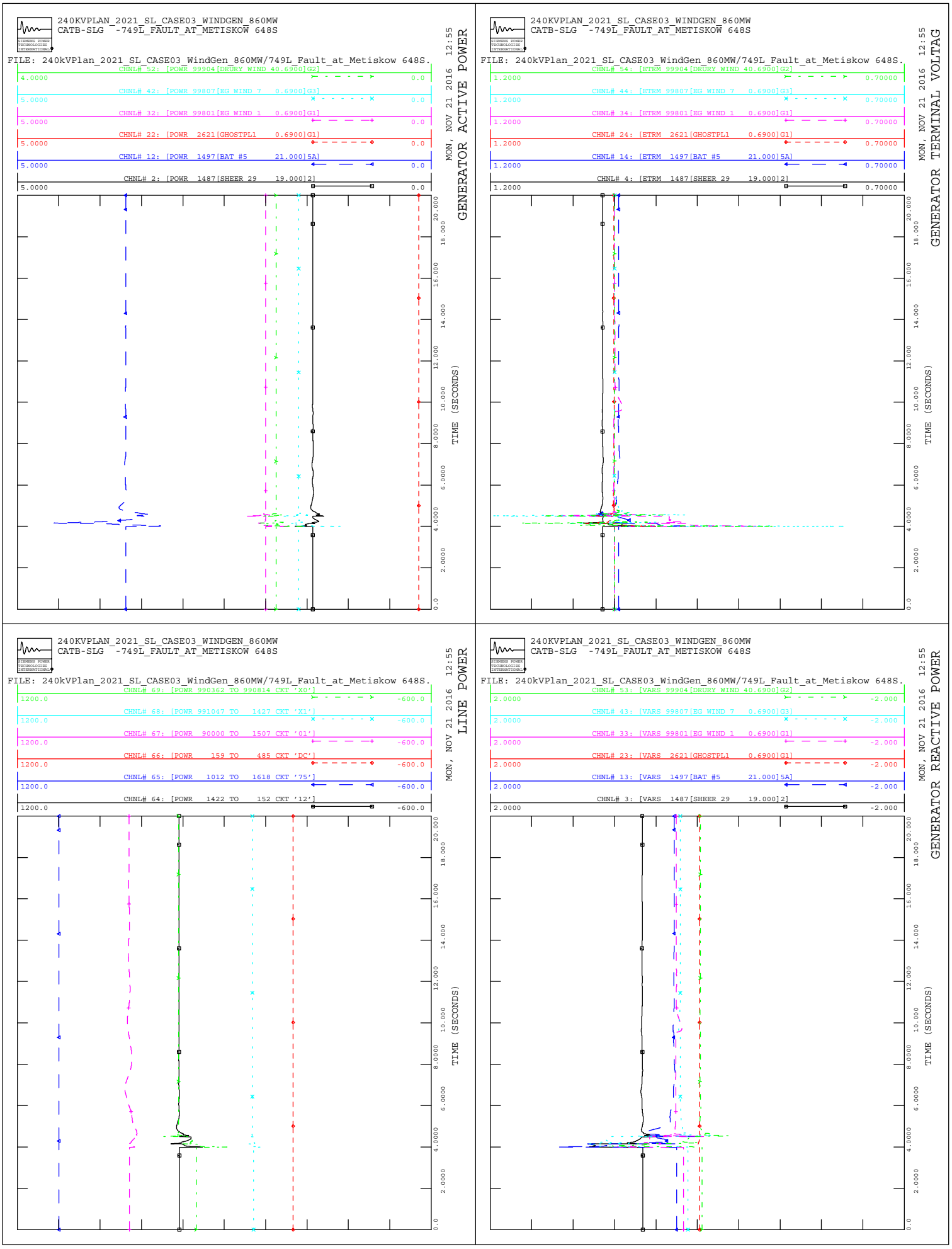
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

MACHINE ANGEL



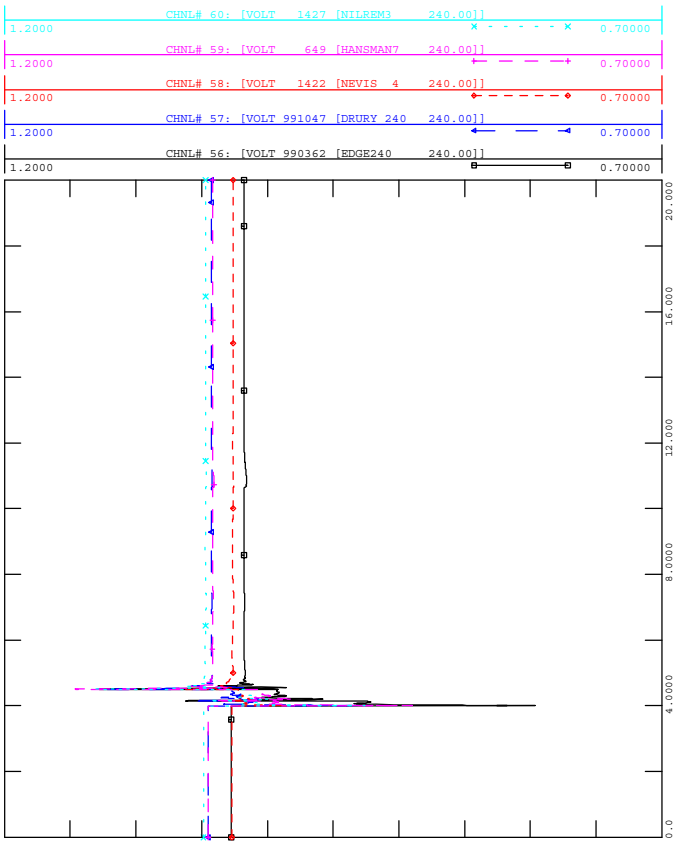

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.
MON, NOV 21 2016 12:55
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Metiskow 648S.
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.

MON, NOV 21 2016 12:55

BUS VOLTAGE

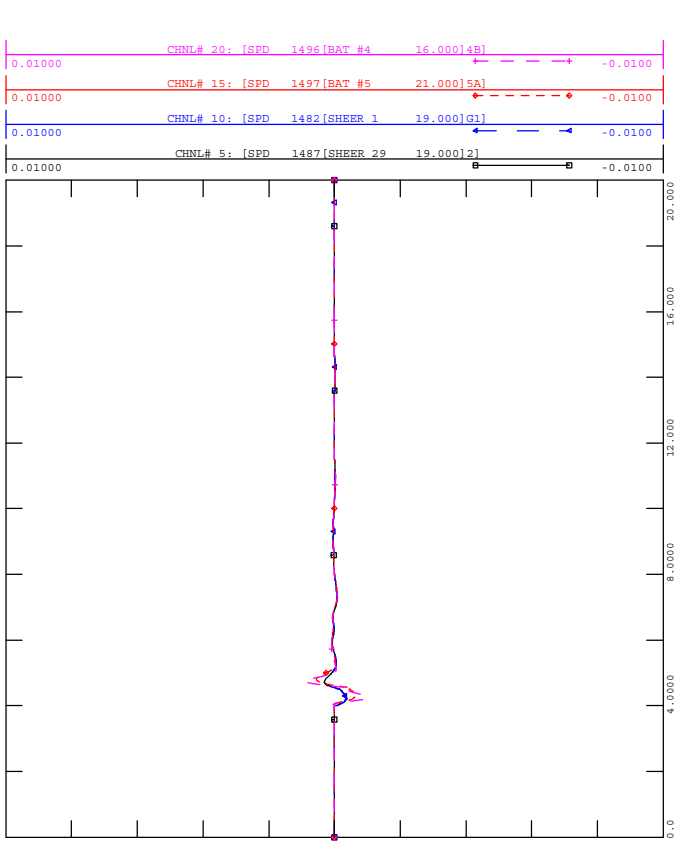


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.

MON, NOV 21 2016 12:55

MACHINE SPEED

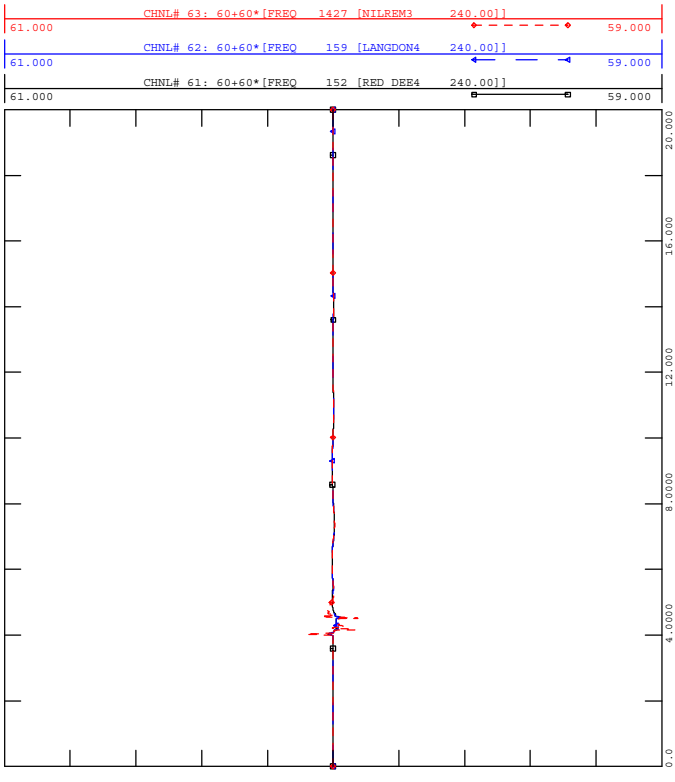


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.

MON, NOV 21 2016 12:55

FREQUENCY

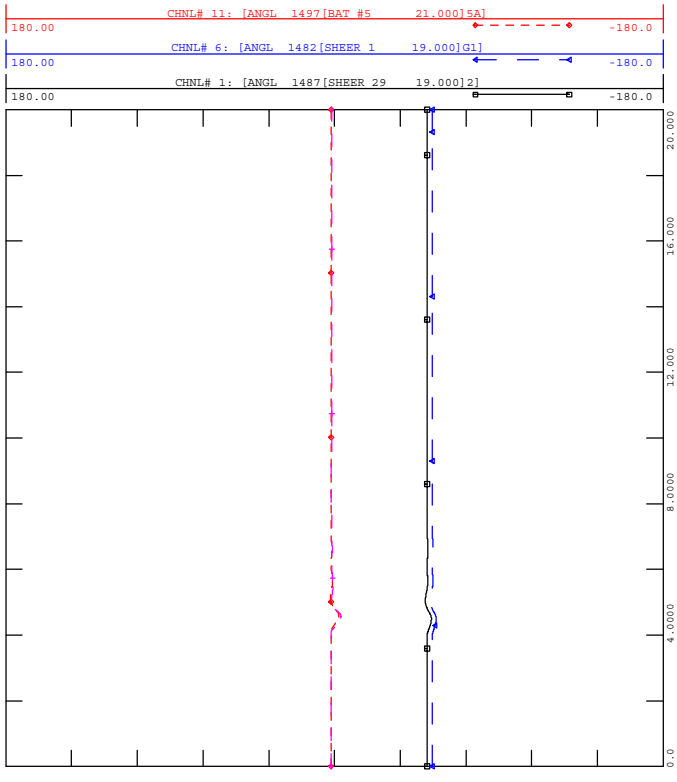


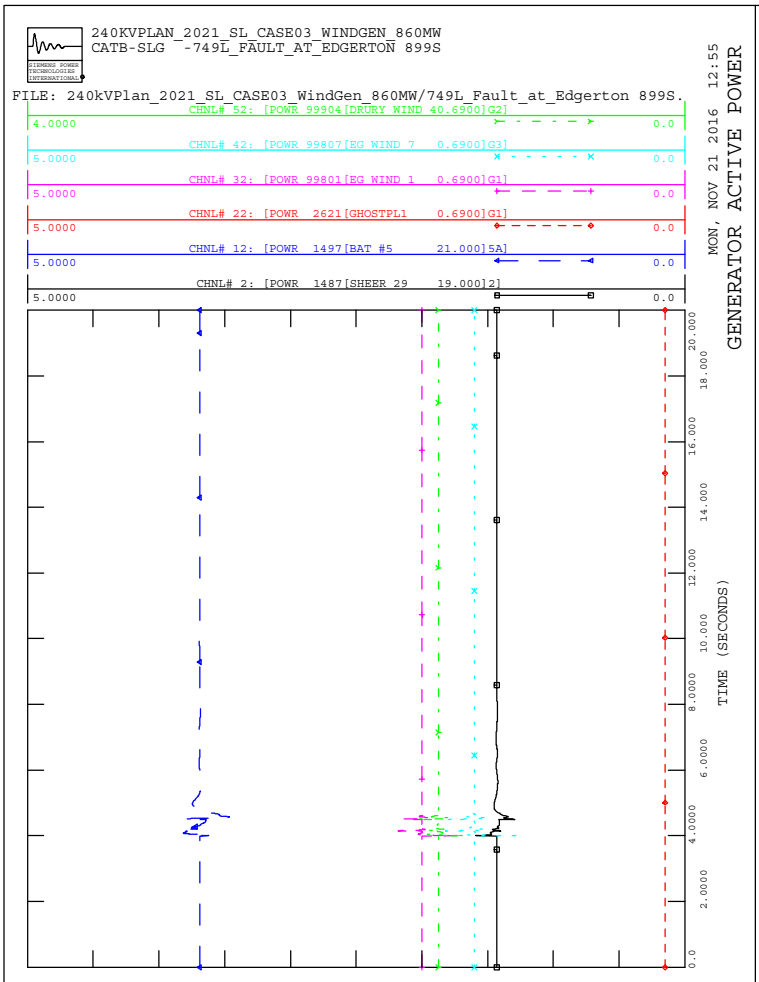
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

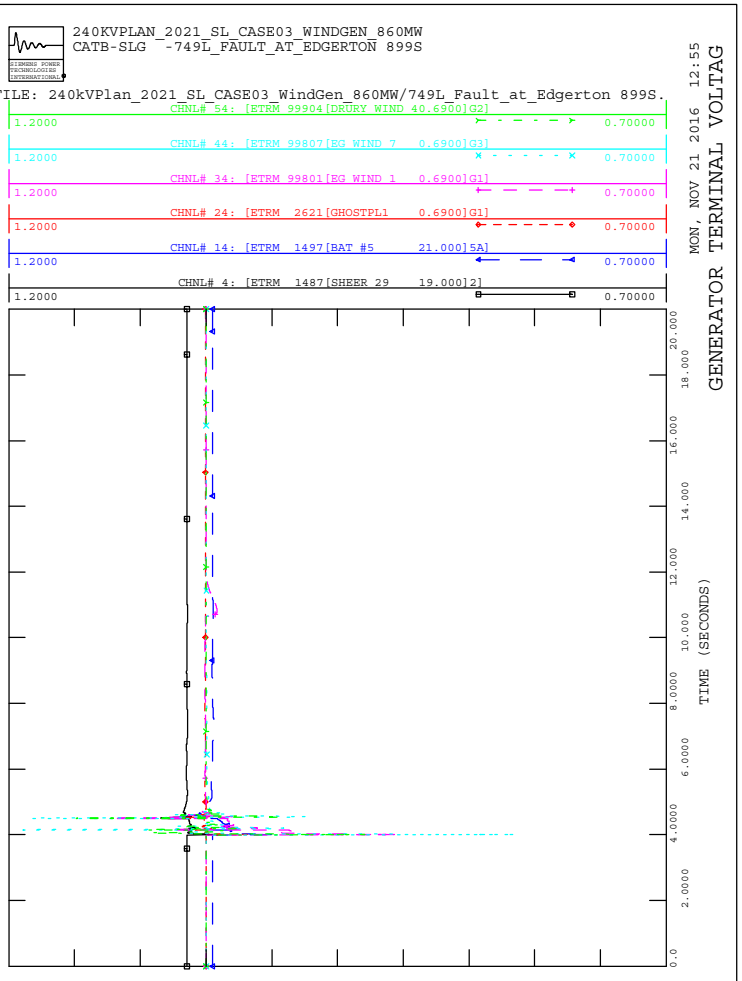
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.

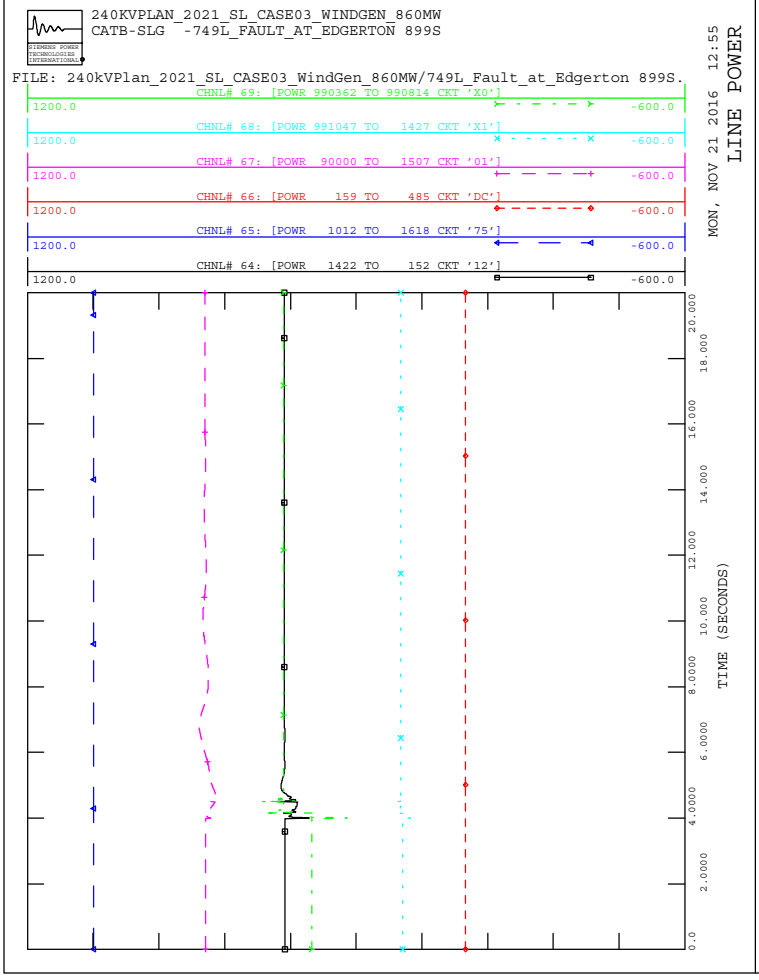
MON, NOV 21 2016 12:55

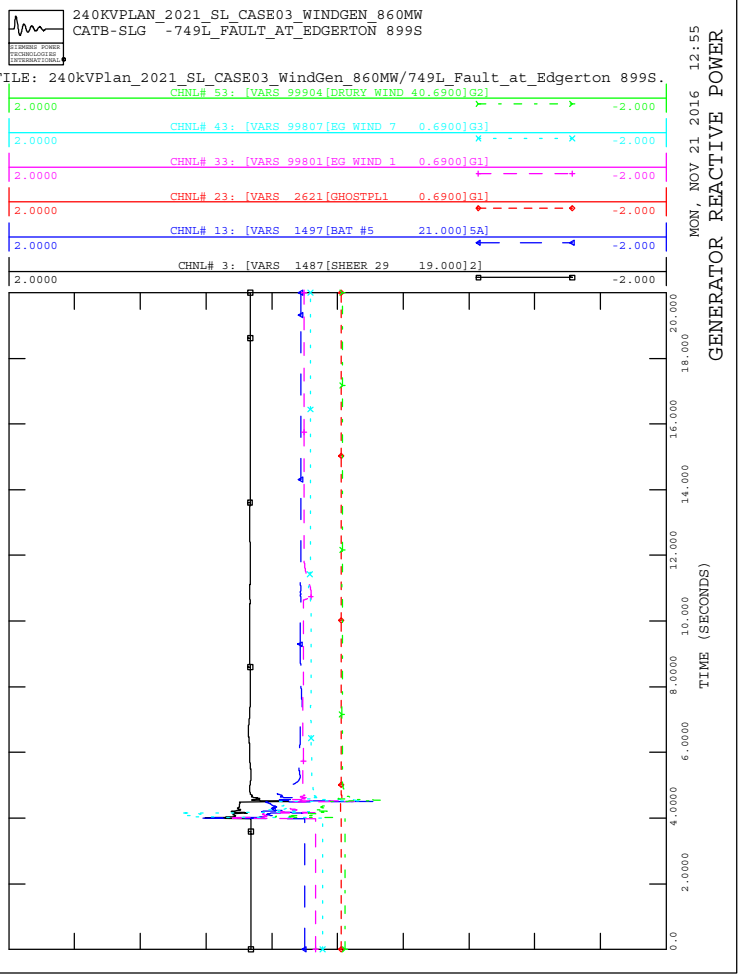
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

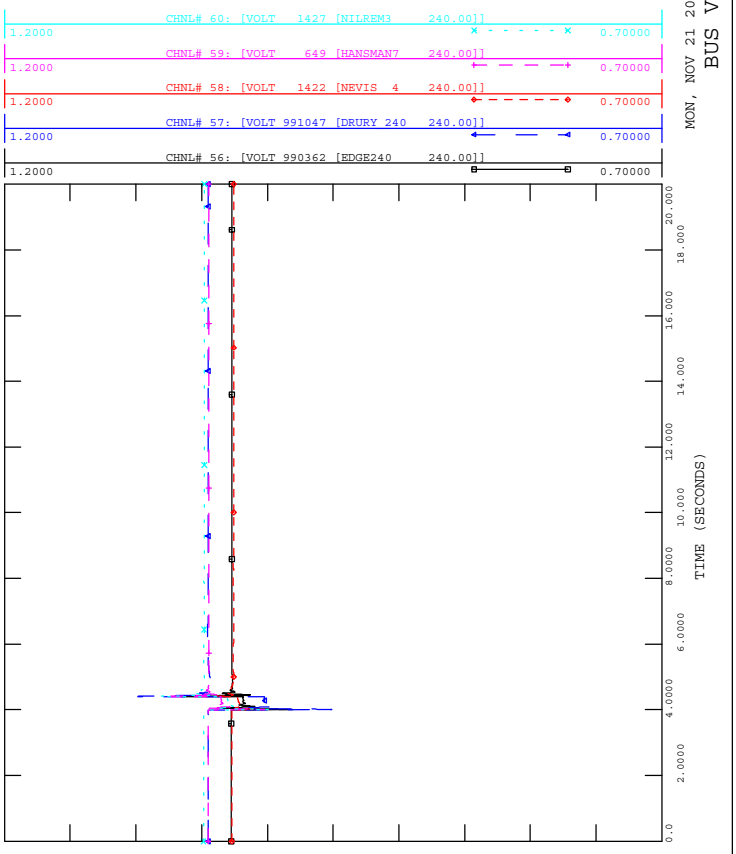

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_Fault_at_Edgerton 899S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7

MON, NOV 21 2016 12:55

BUS VOLTAGE

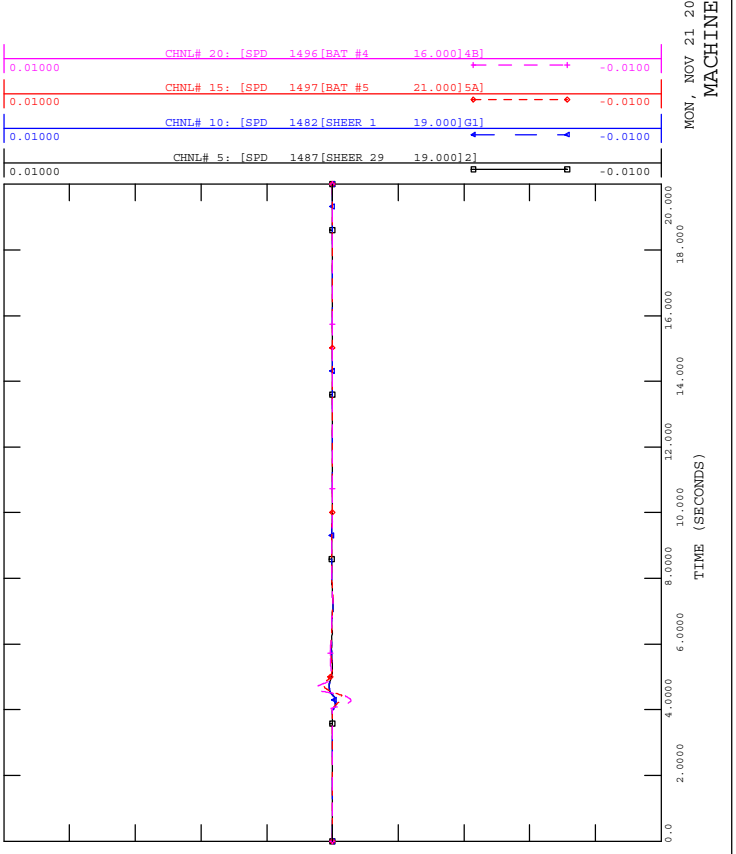


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7

MON, NOV 21 2016 12:55

MACHINE SPEED

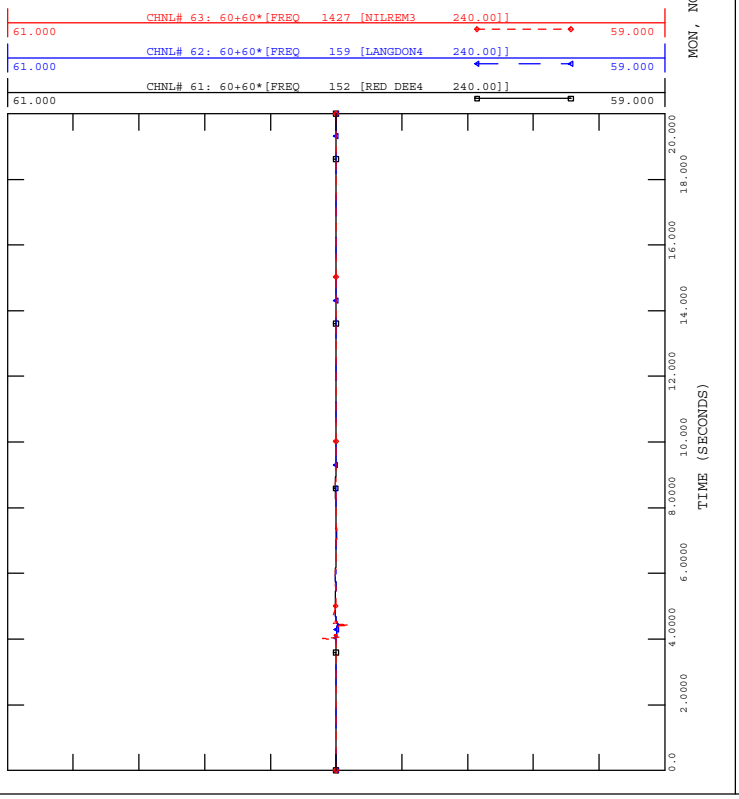


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7

MON, NOV 21 2016 12:55

FREQUENCY

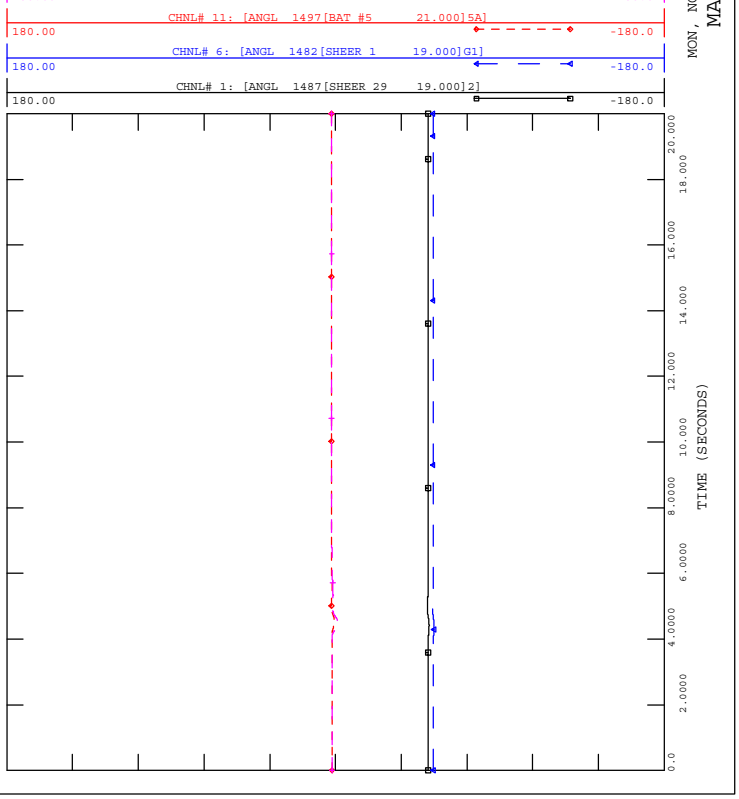


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7

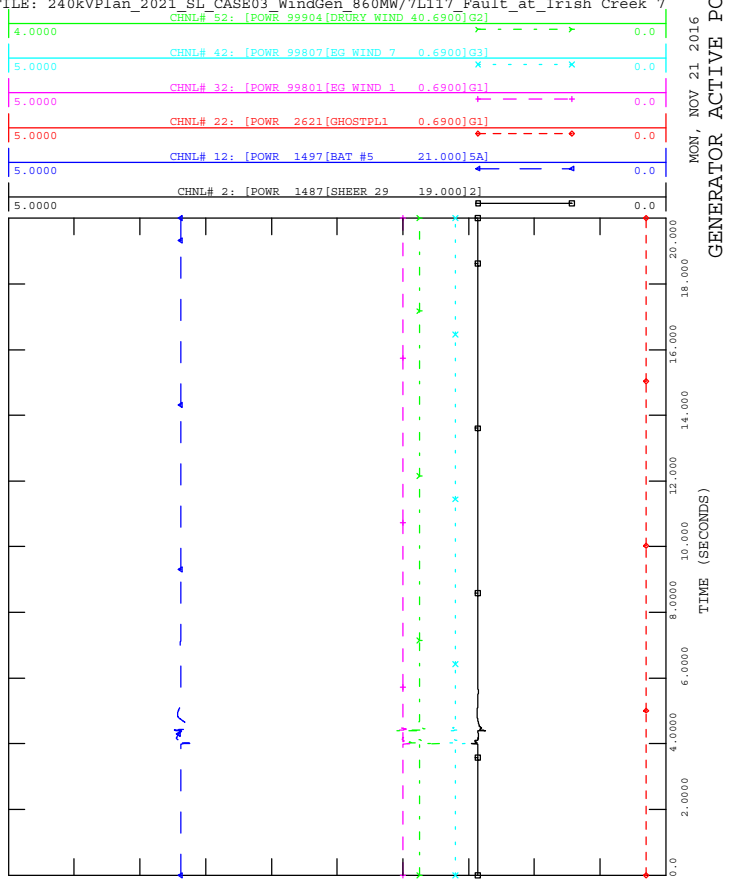
MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

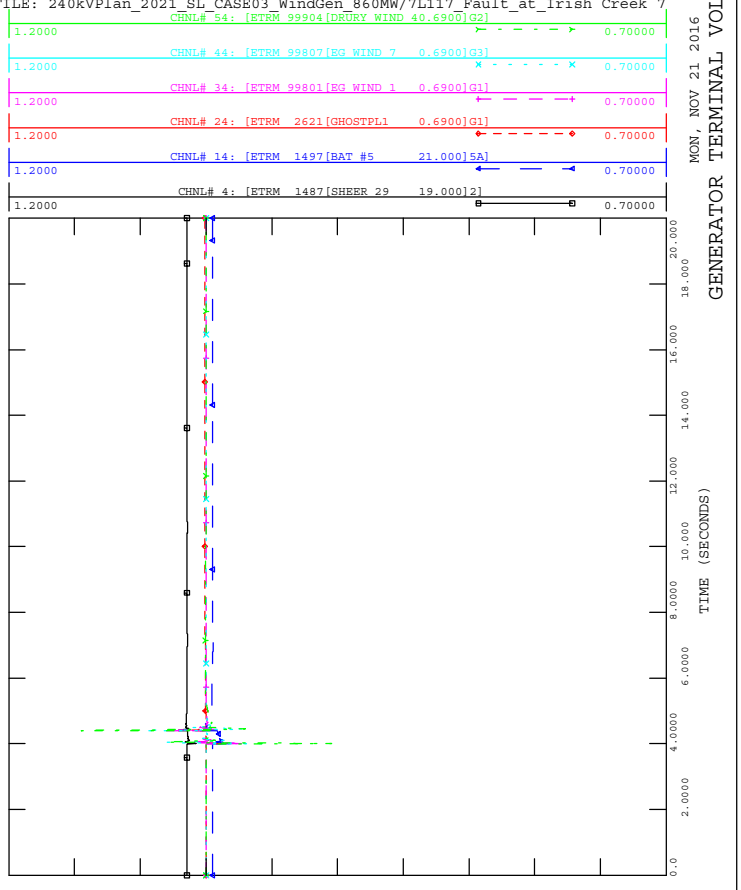
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7



MON, NOV 21 2016 12:55 GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

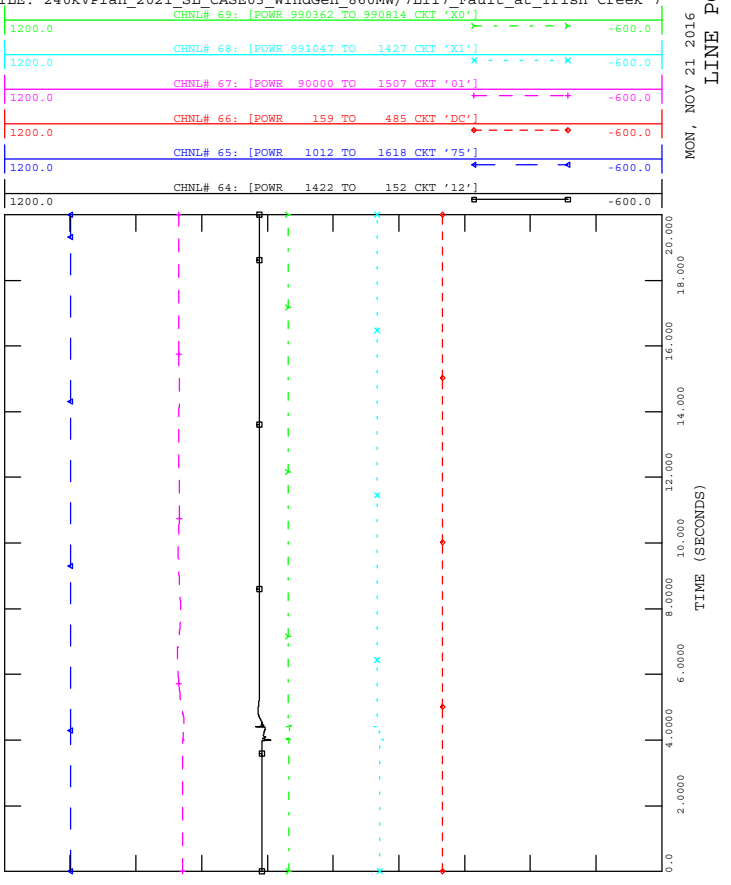
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7



MON, NOV 21 2016 12:55 GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

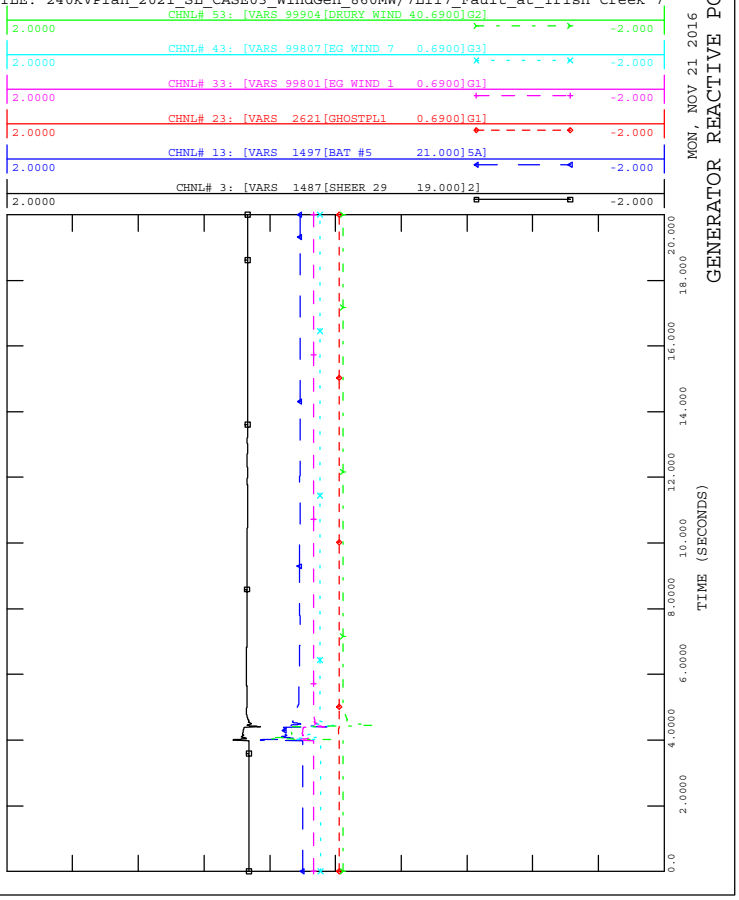
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7



MON, NOV 21 2016 12:55 LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Irish Creek 7



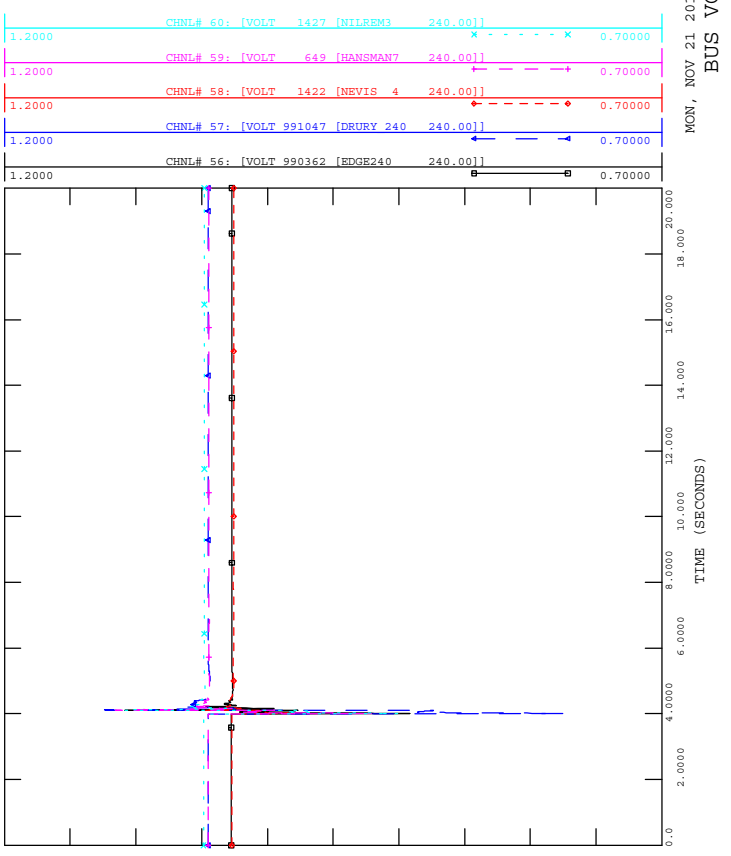
MON, NOV 21 2016 12:55 GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71

MON, NOV 21 2016 12:55

BUS VOLTAGE

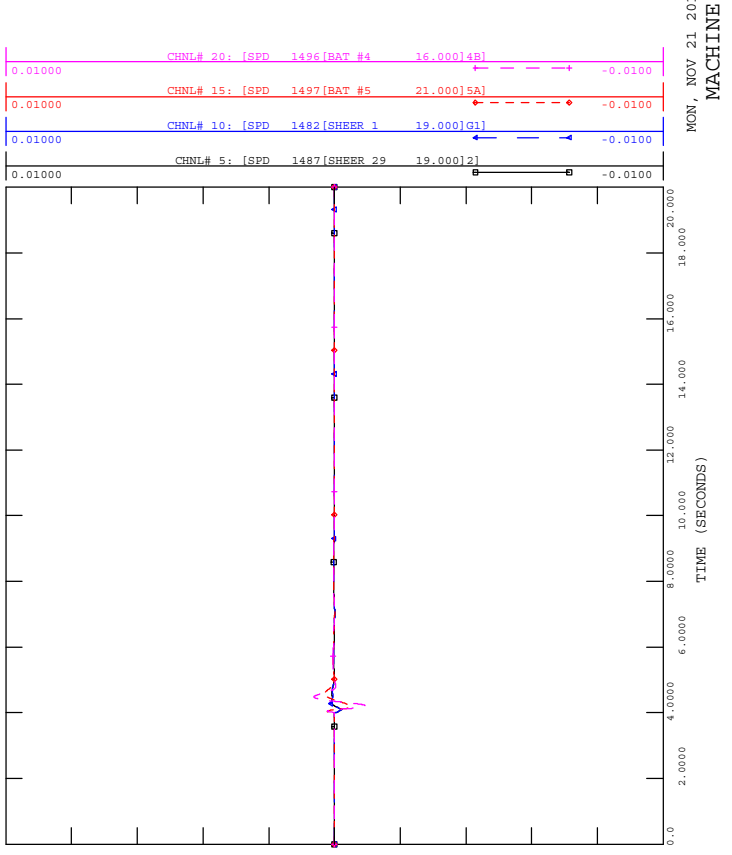


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71

MON, NOV 21 2016 12:55

MACHINE SPEED

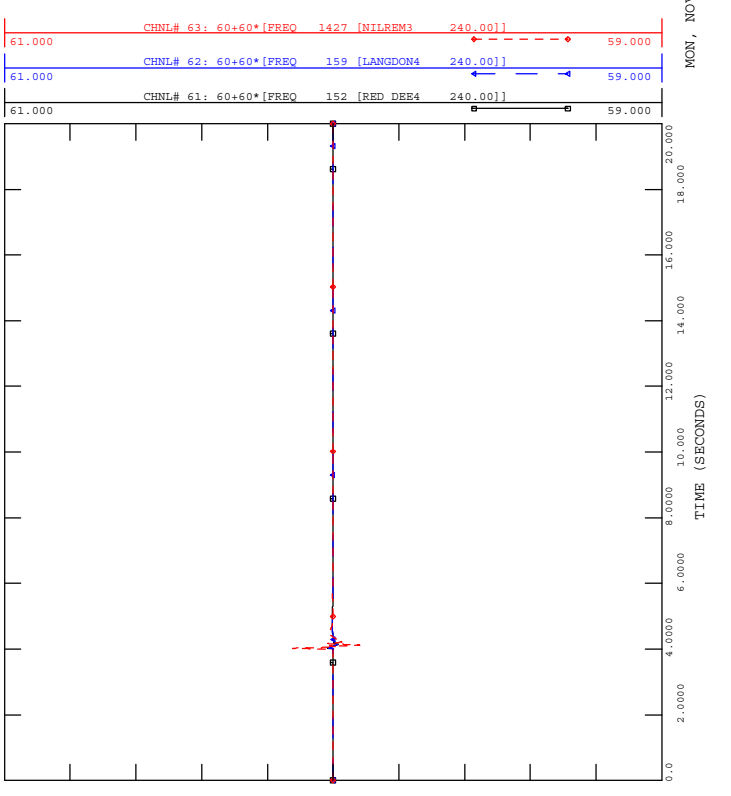


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71

MON, NOV 21 2016 12:55

FREQUENCY

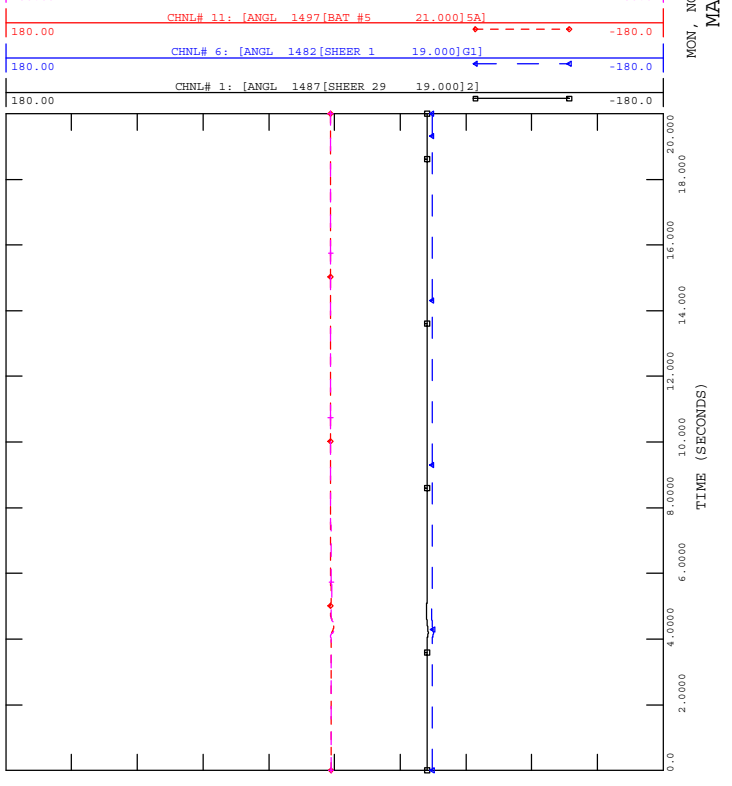


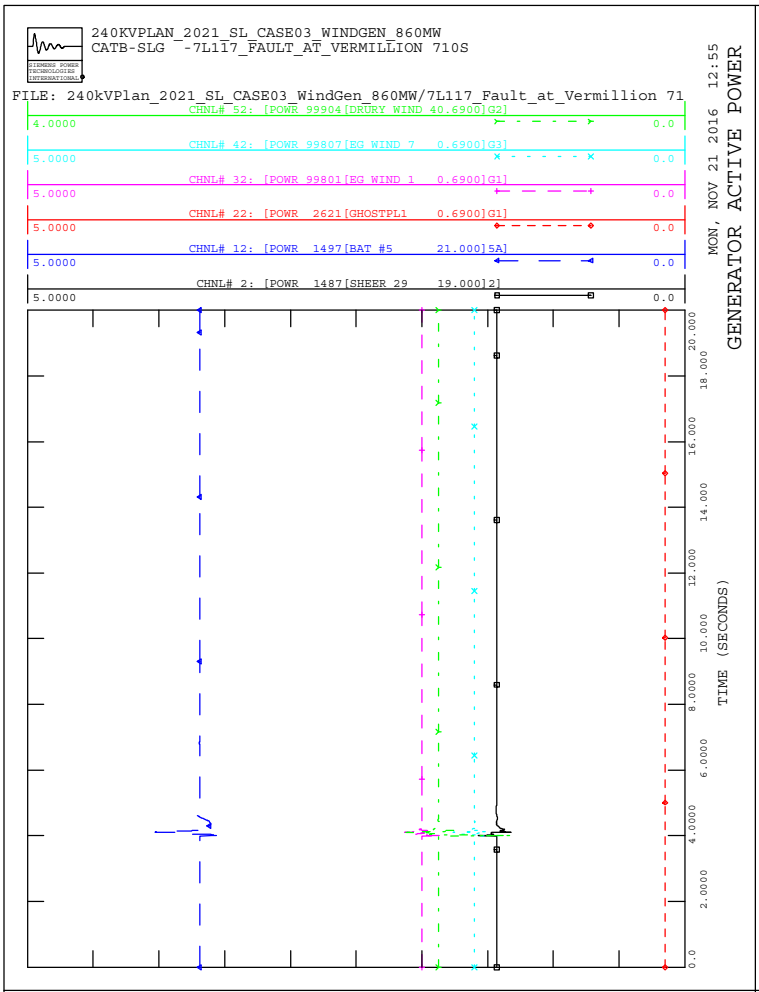
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

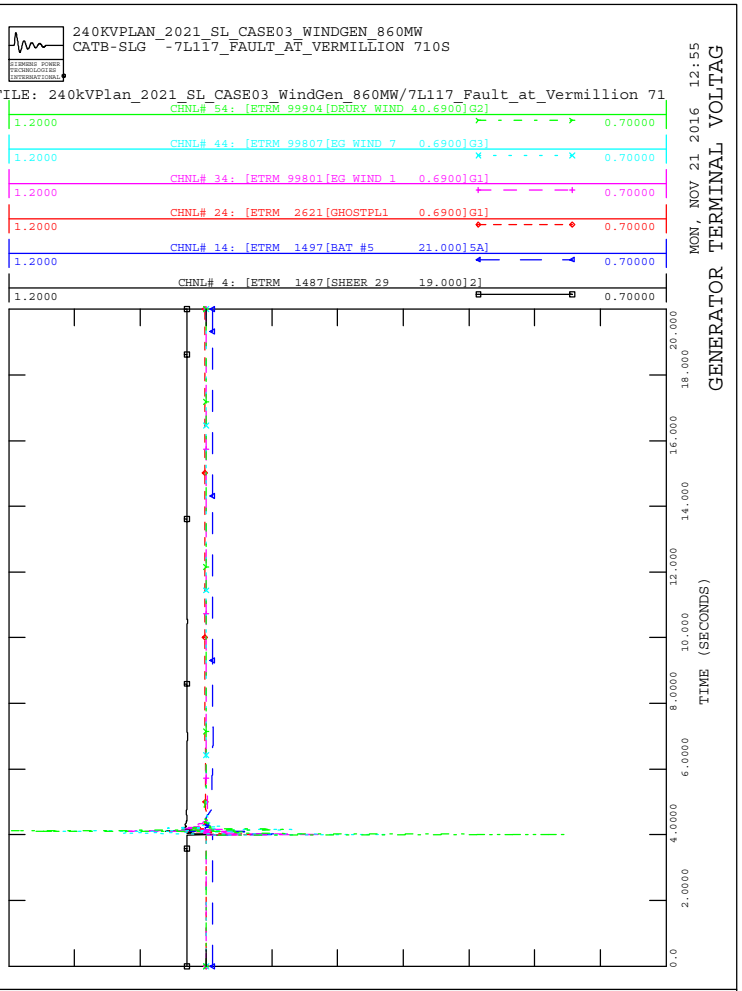
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71

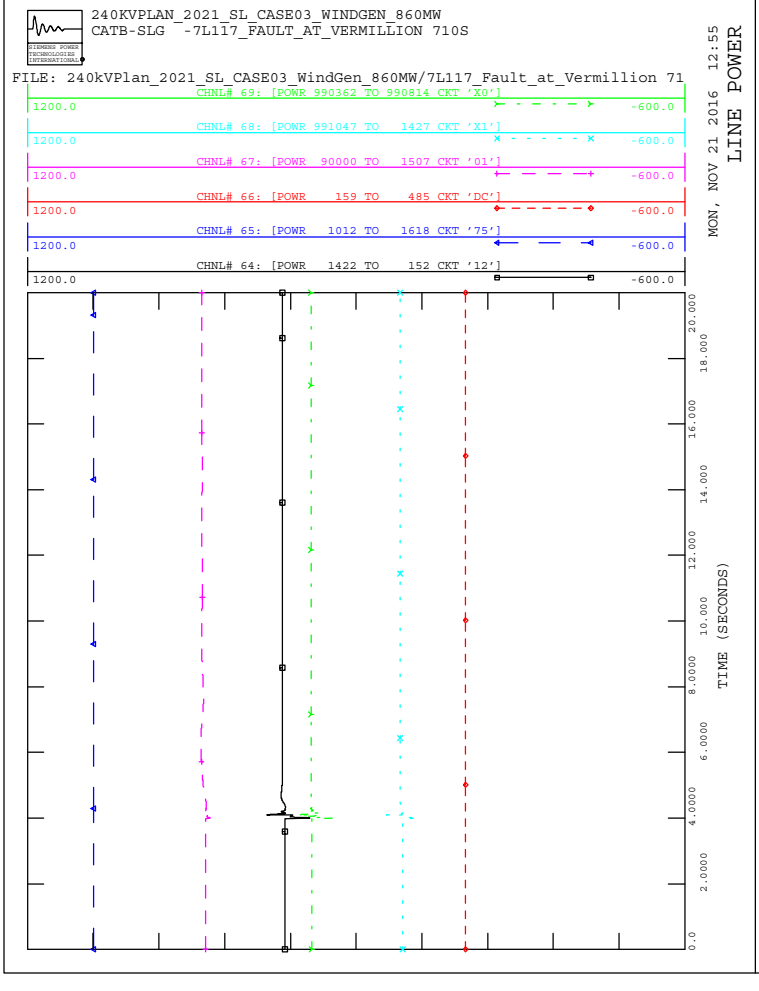
MON, NOV 21 2016 12:55

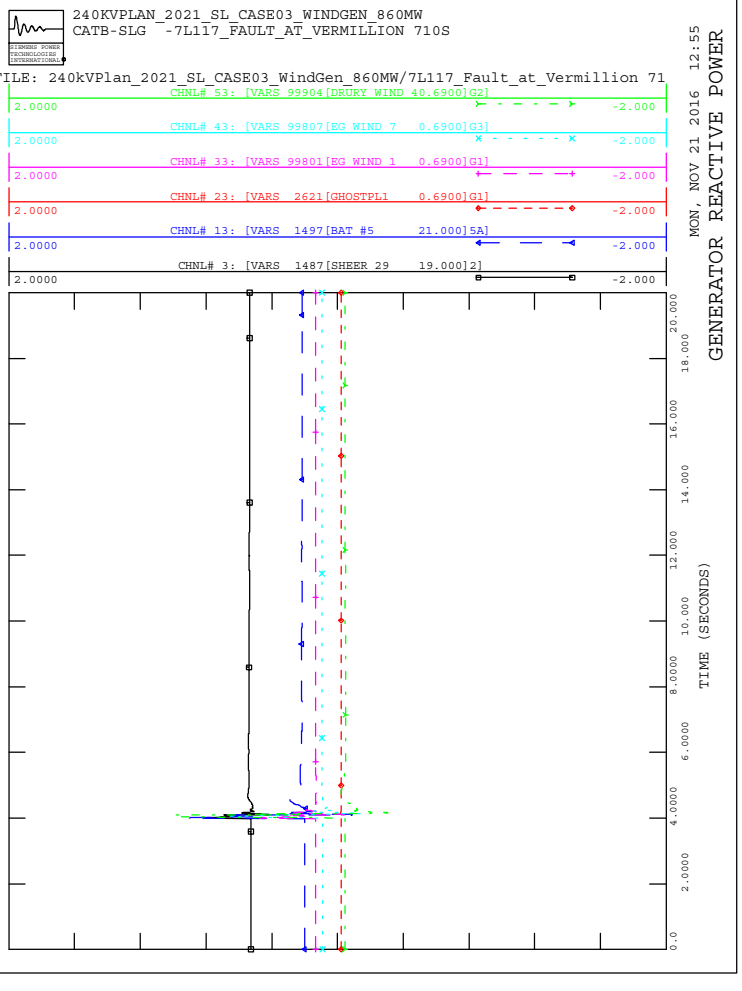
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

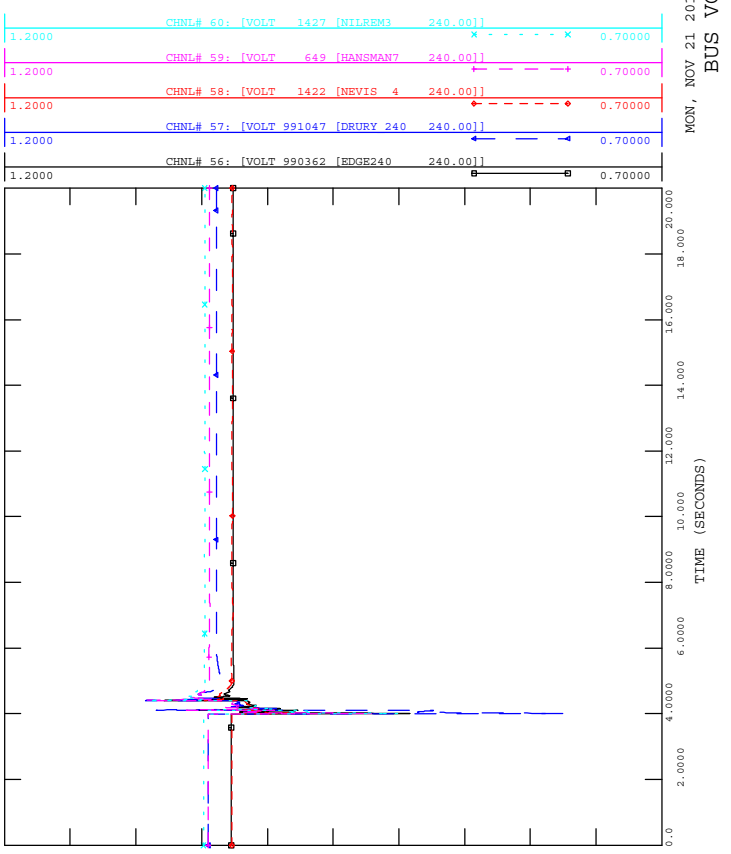

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 12:55

BUS VOLTAGE

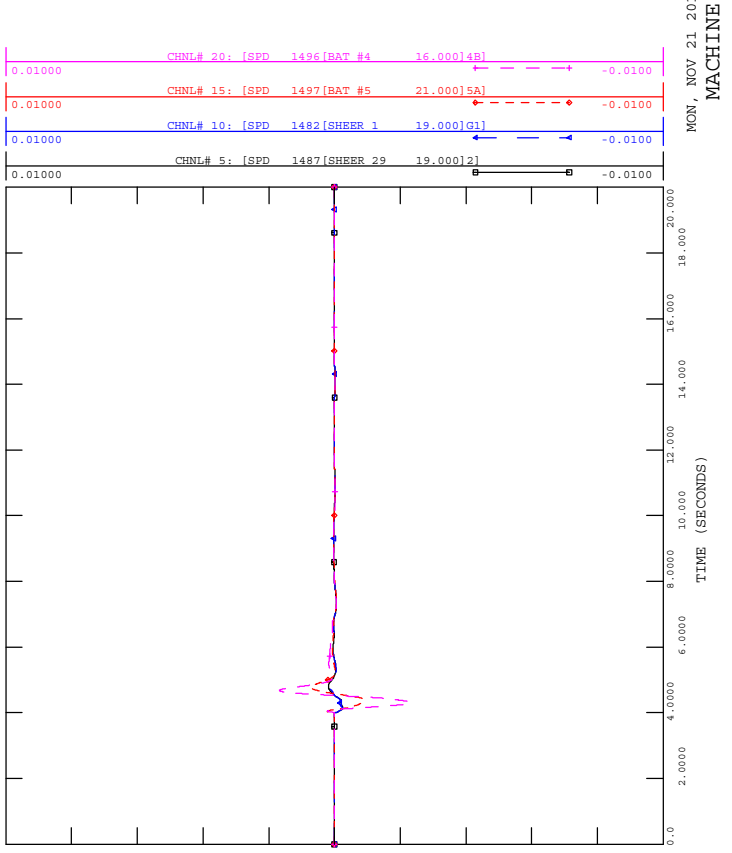


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 12:55

MACHINE SPEED

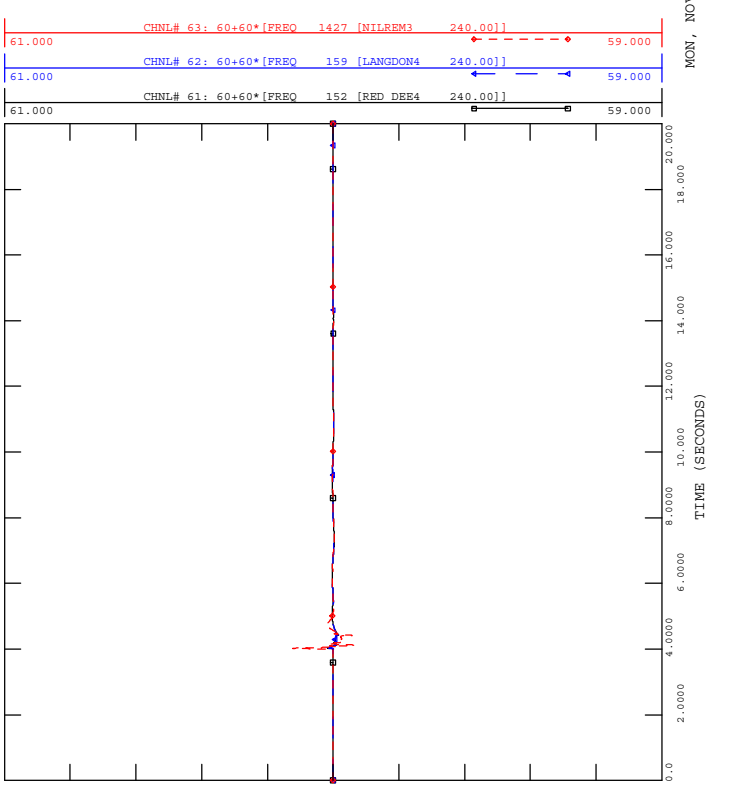


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 12:55

FREQUENCY

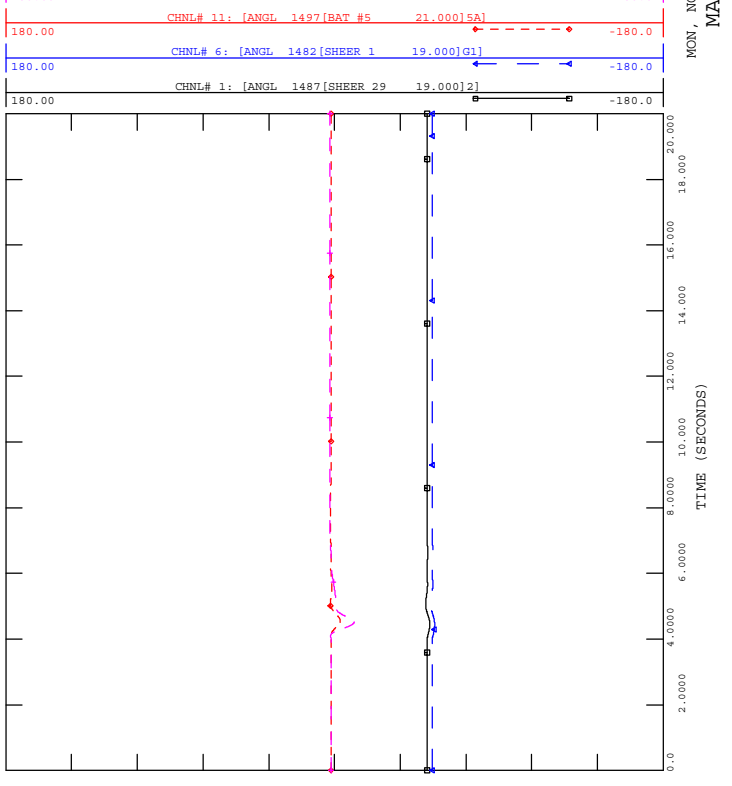


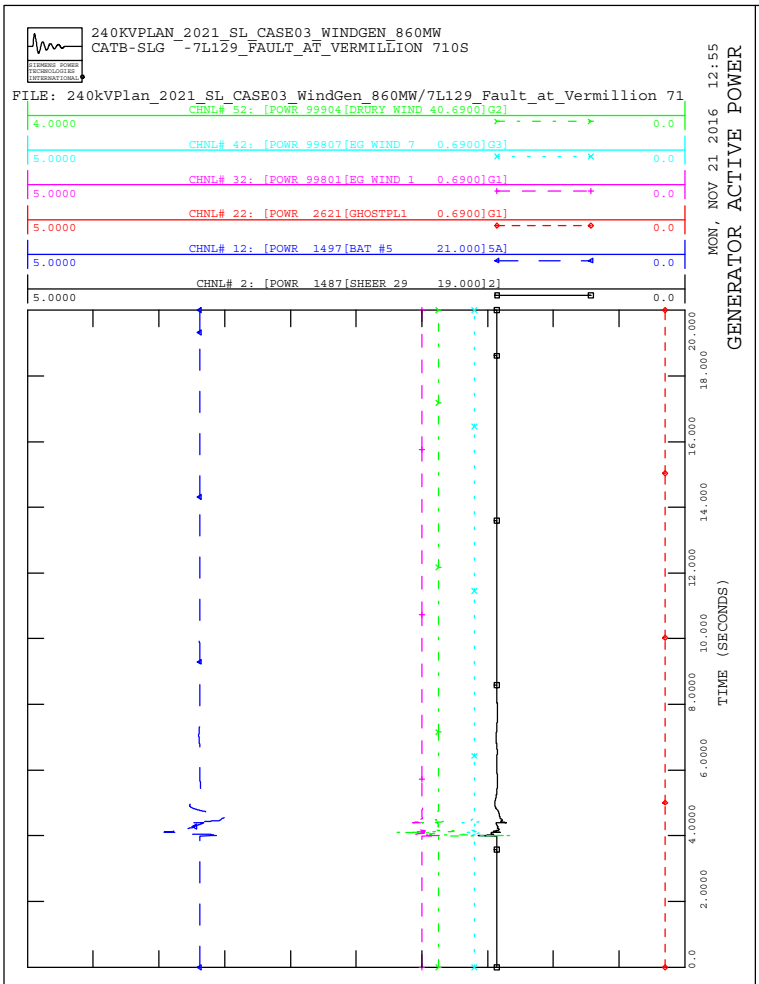
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

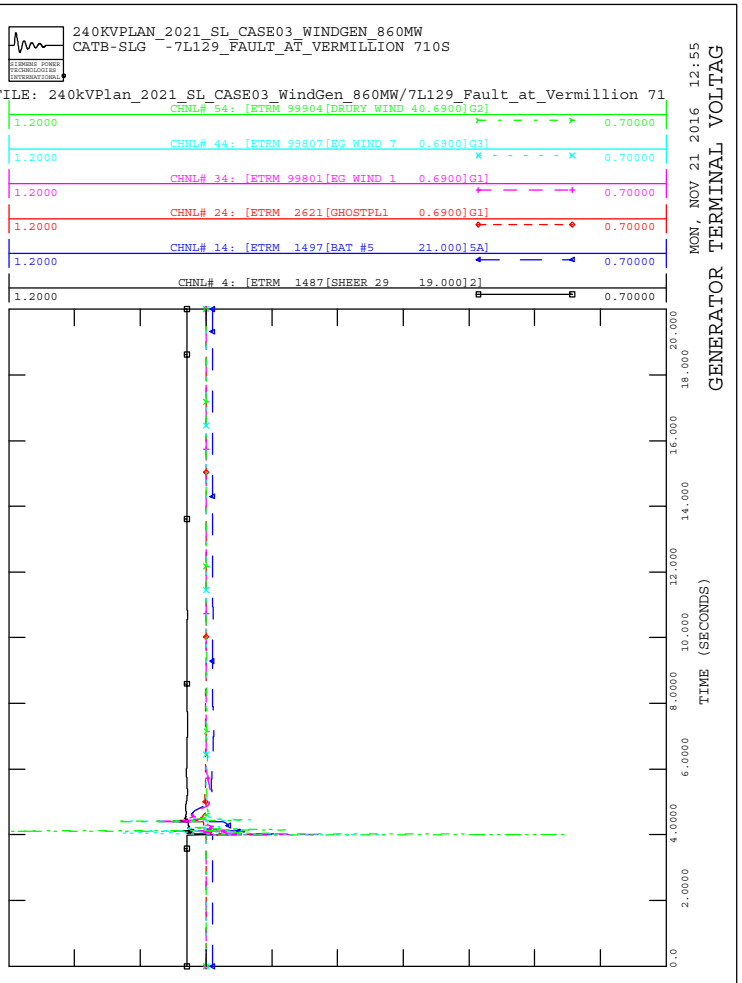
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71

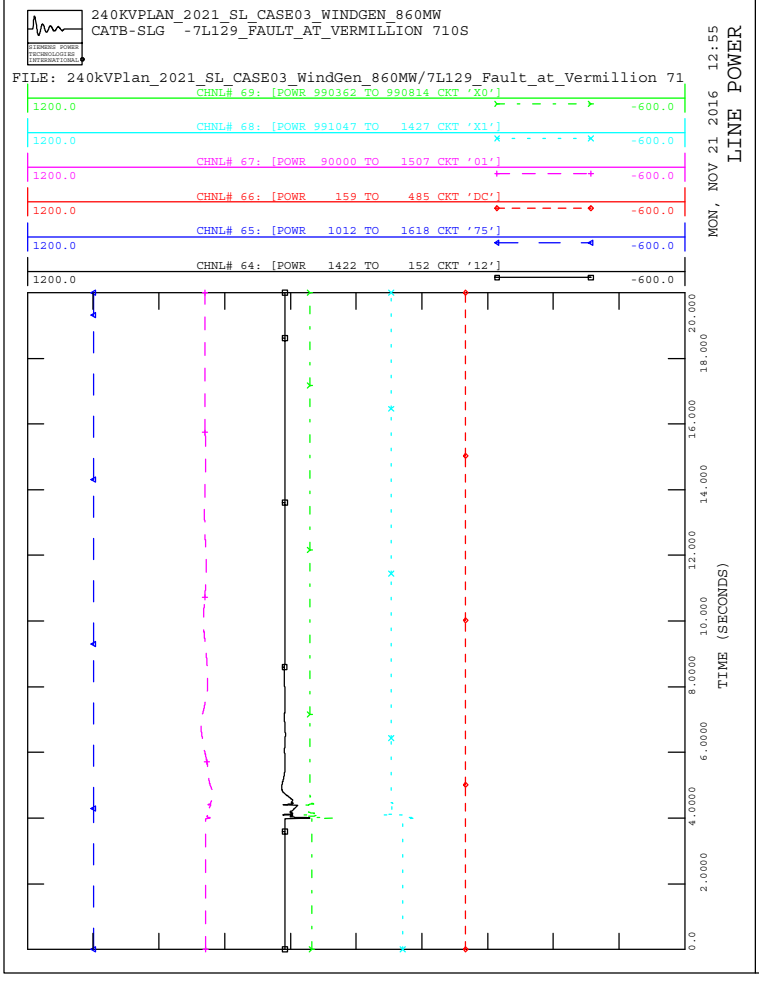
MON, NOV 21 2016 12:55

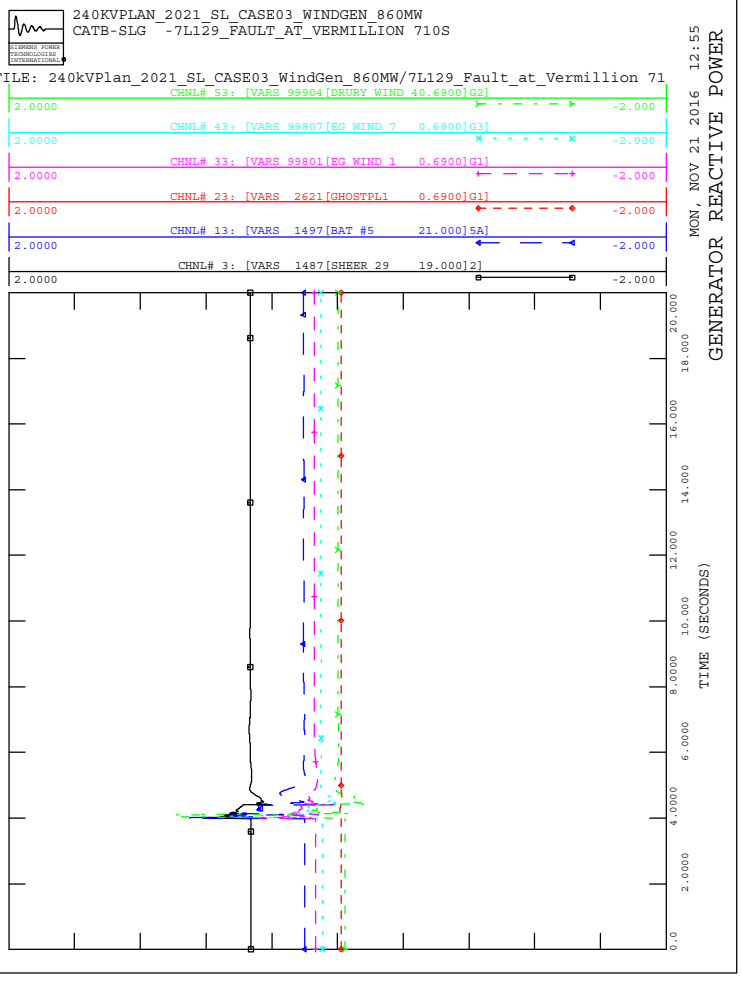
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

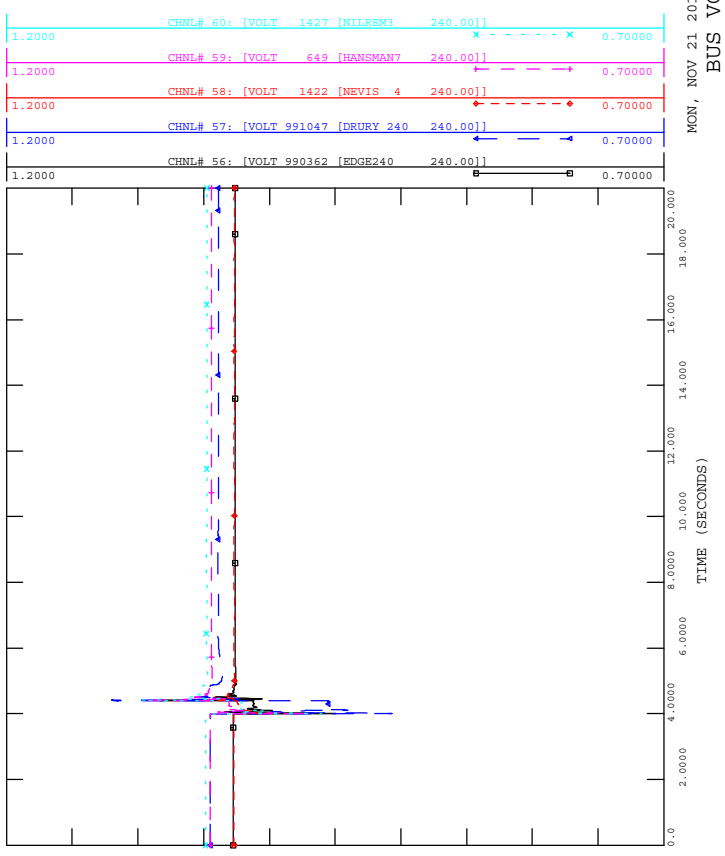

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:55

BUS VOLTAGE

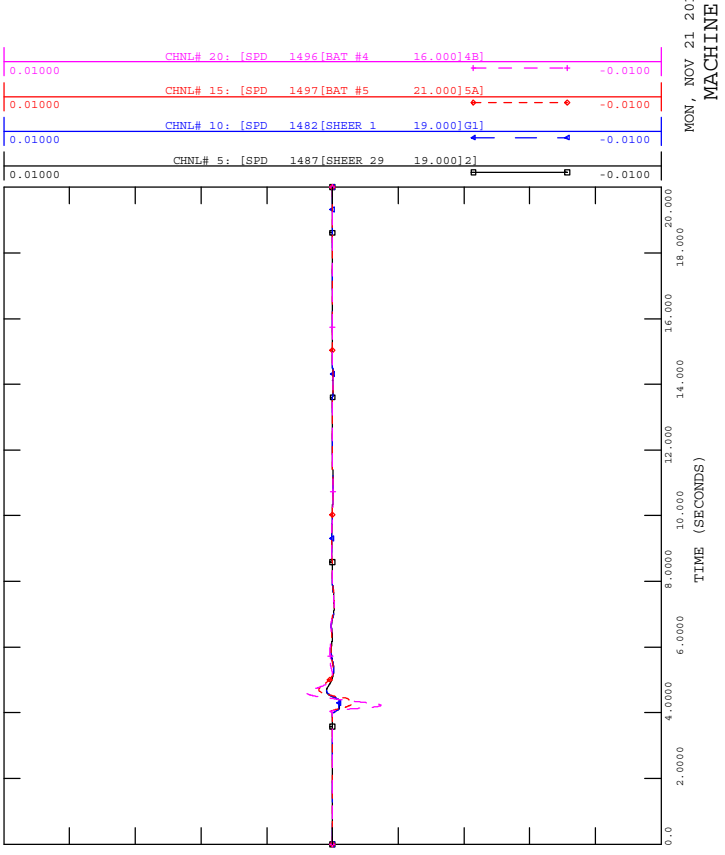


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:55

MACHINE SPEED

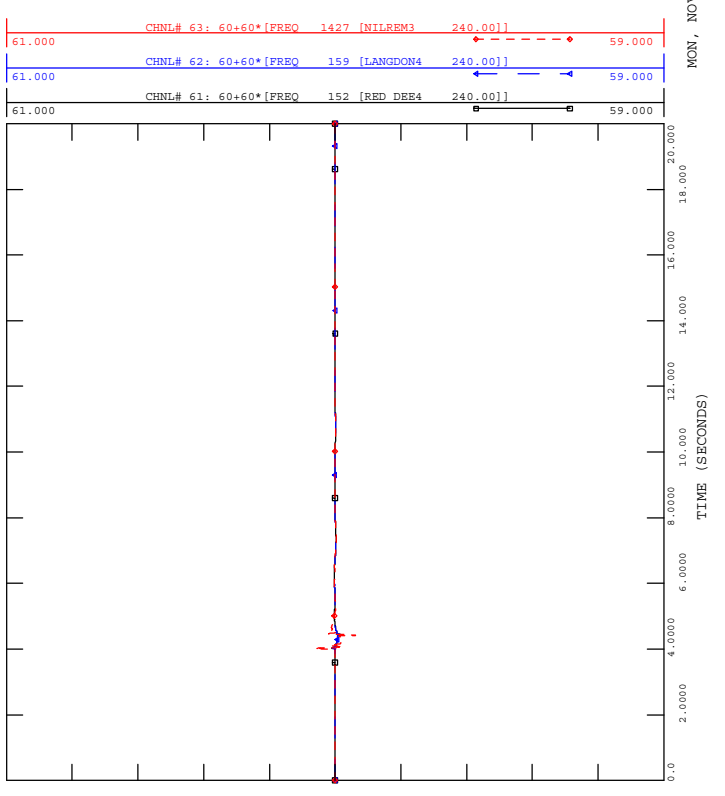


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:55

FREQUENCY

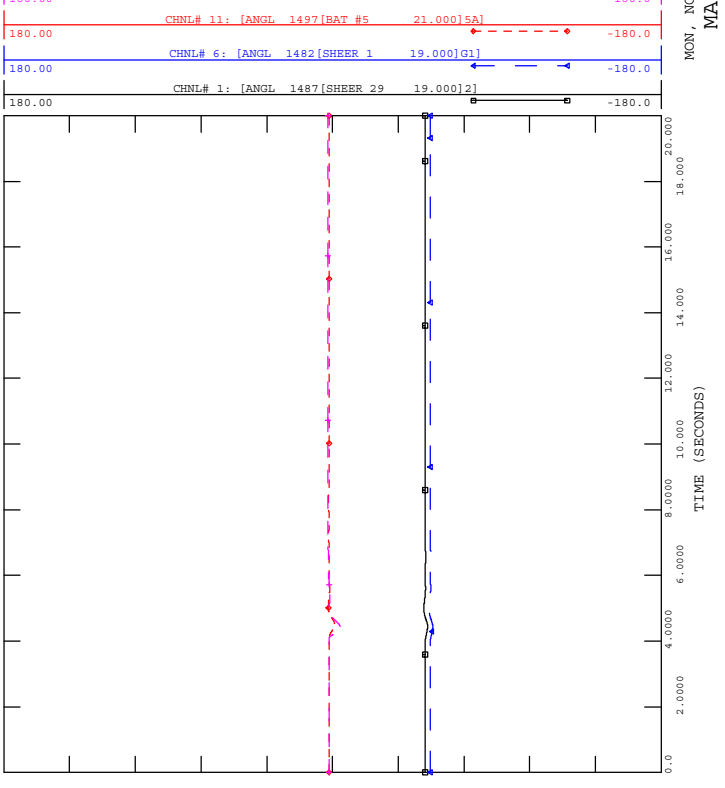


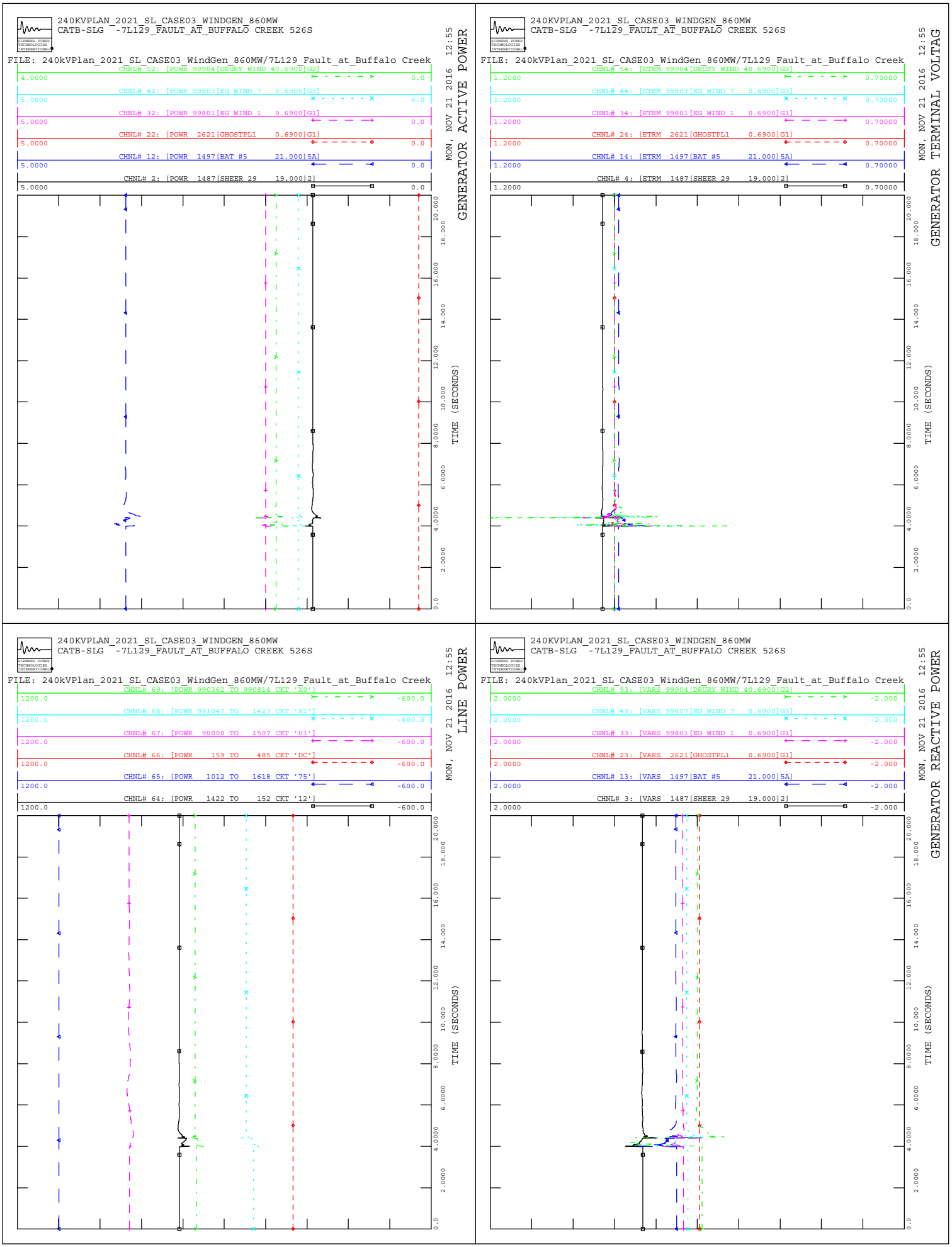
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:55

MACHINE ANGEL



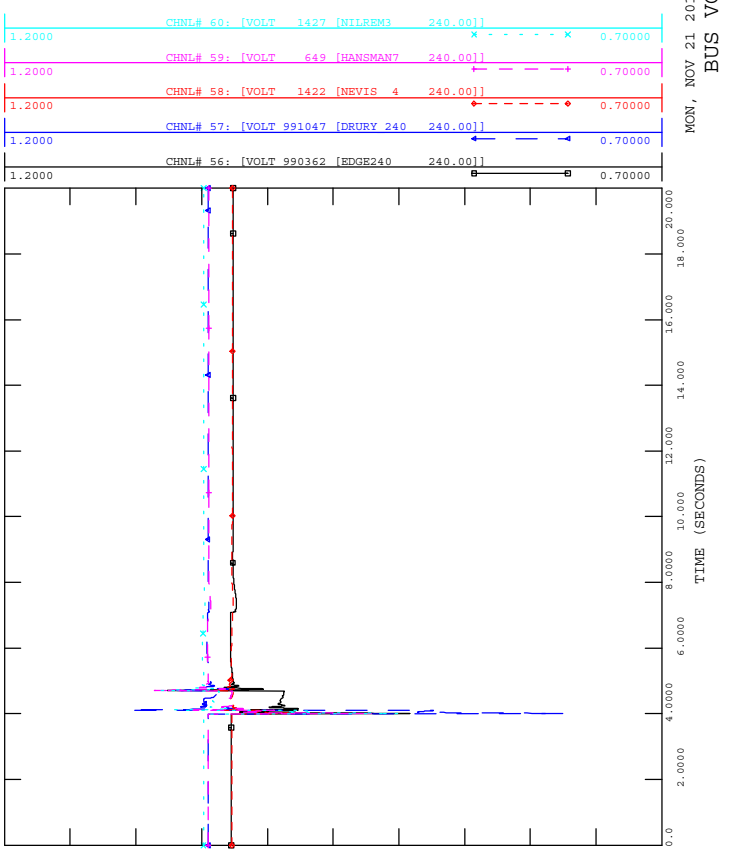

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek
MON, NOV 21 2016 12:55
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_Fault_at_Buffalo Creek
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 12:55

BUS VOLTAGE

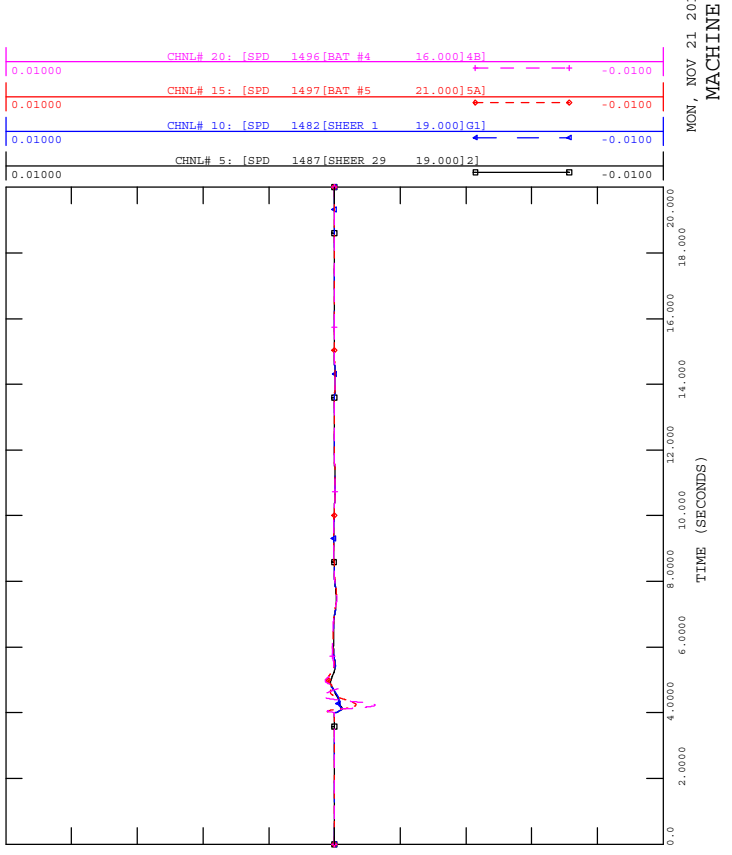


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 12:55

MACHINE SPEED

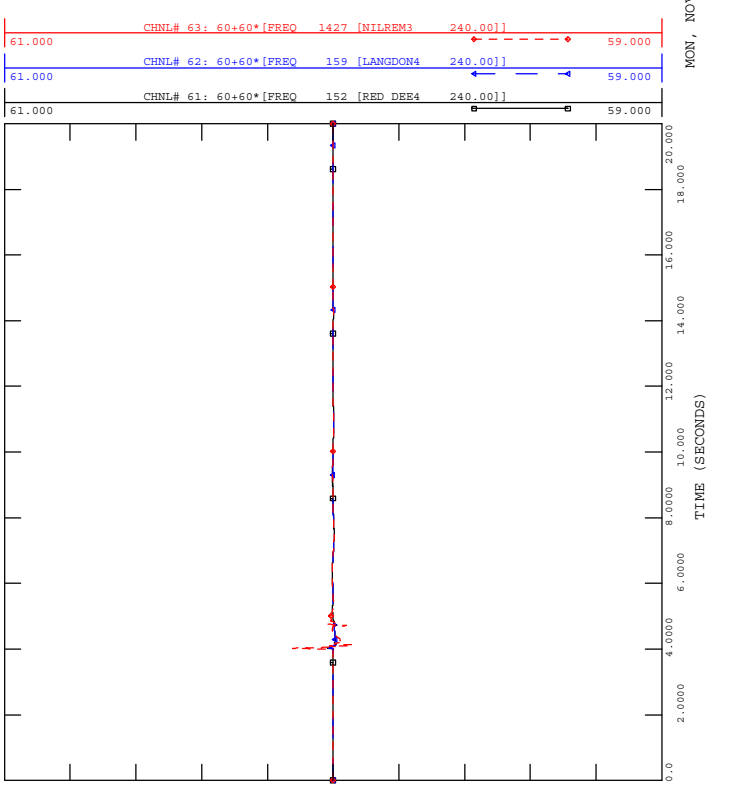


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 12:55

FREQUENCY

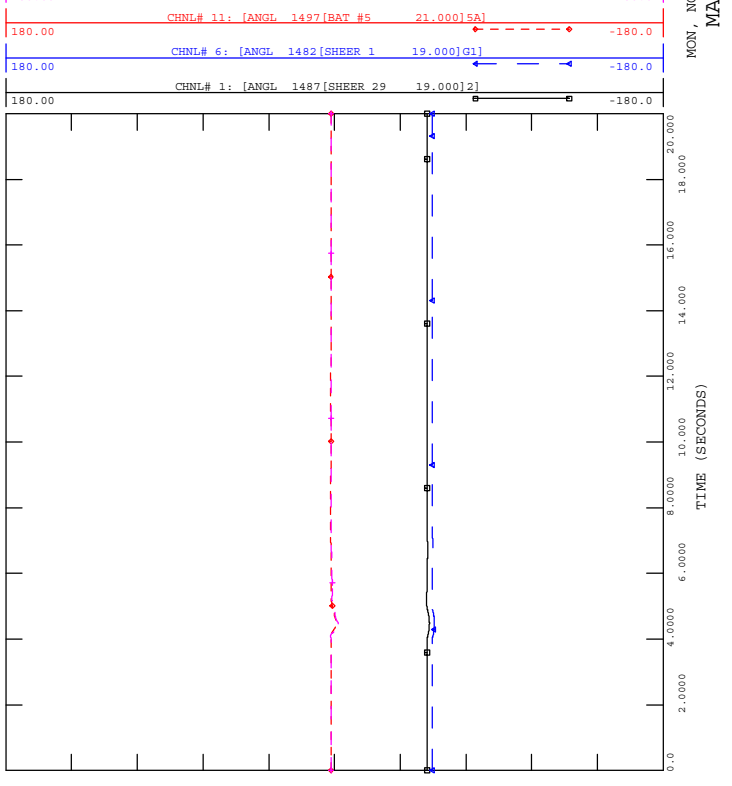


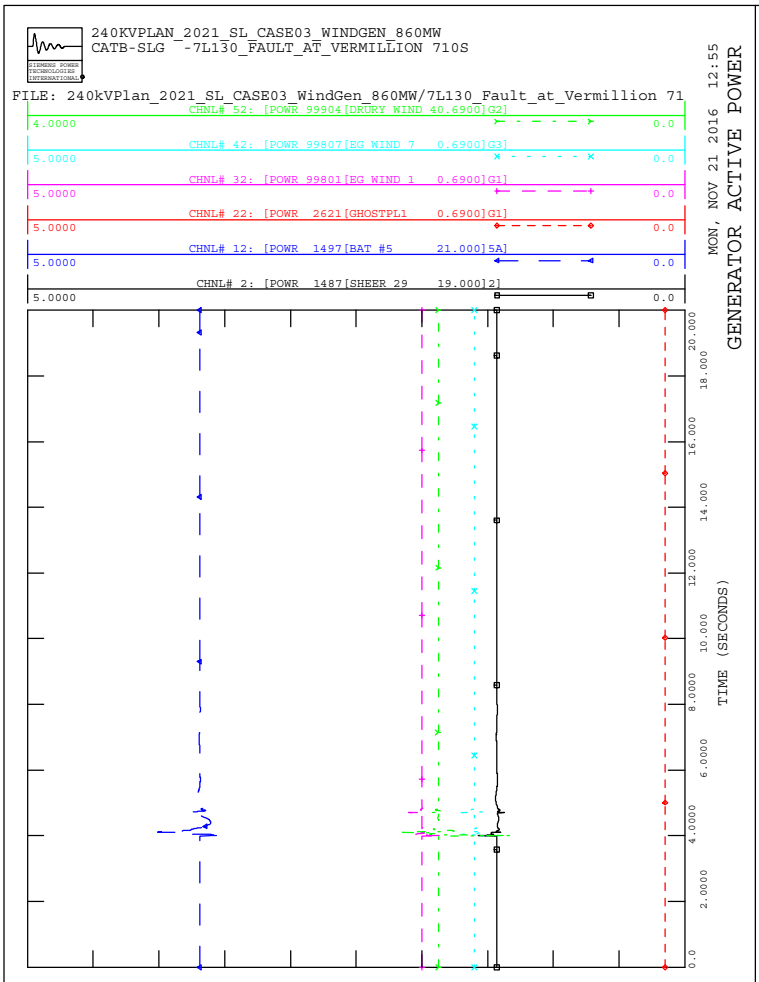
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

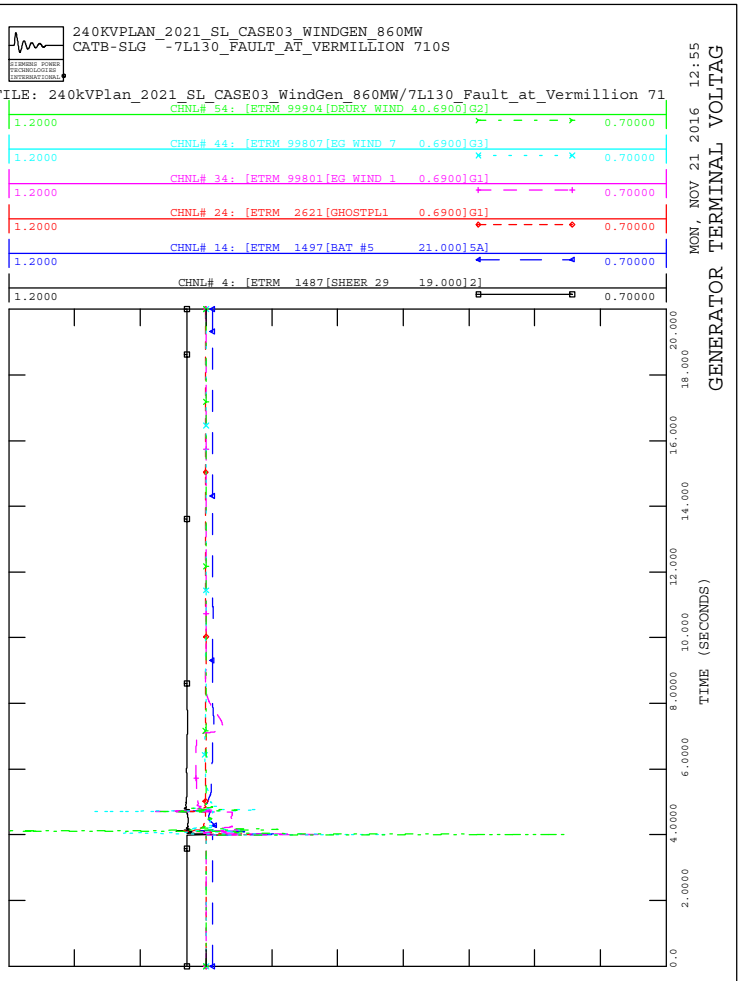
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71

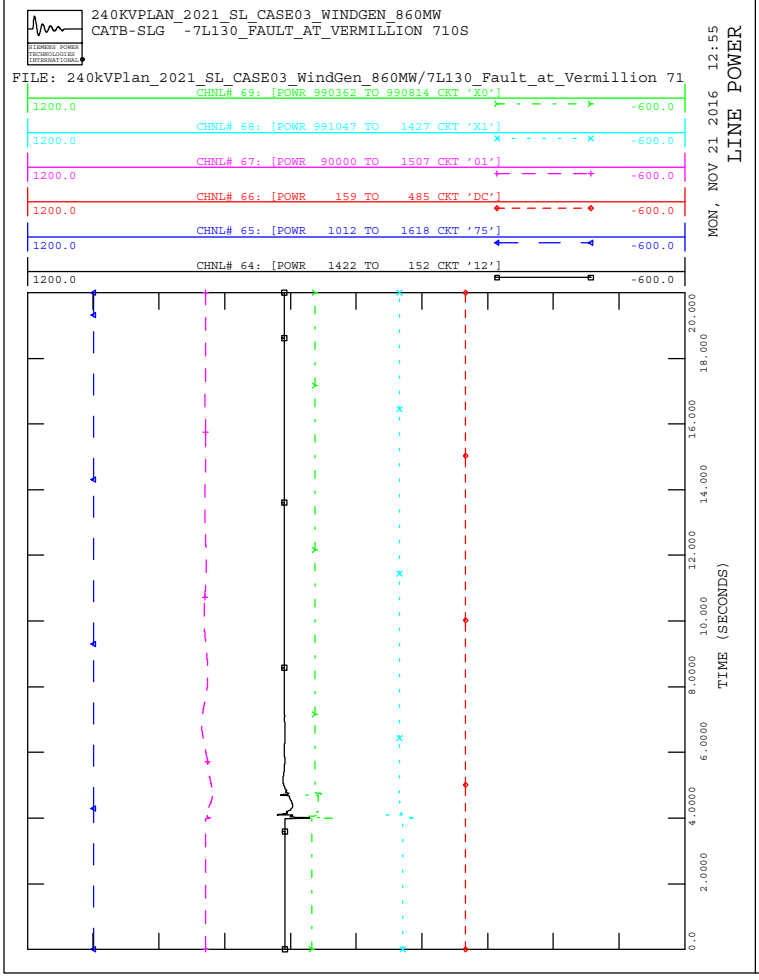
MON, NOV 21 2016 12:55

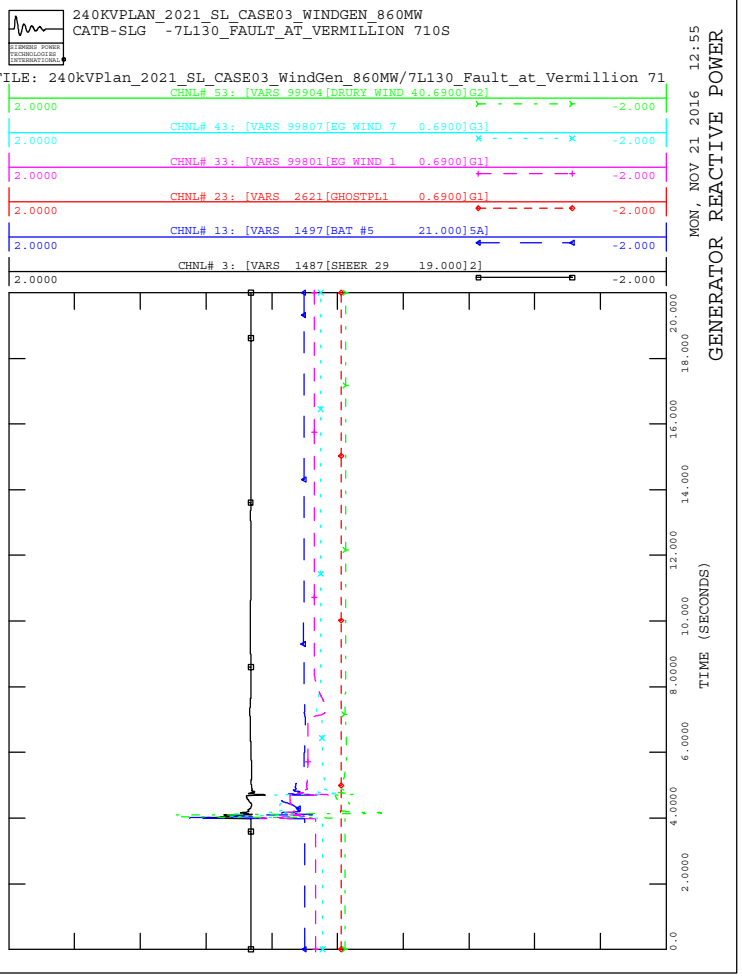
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

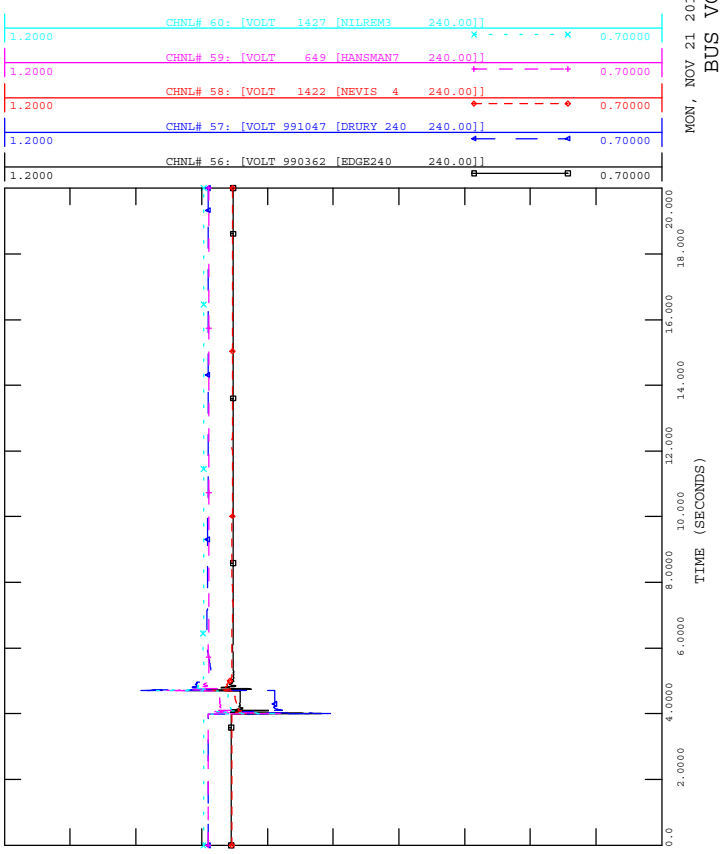

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

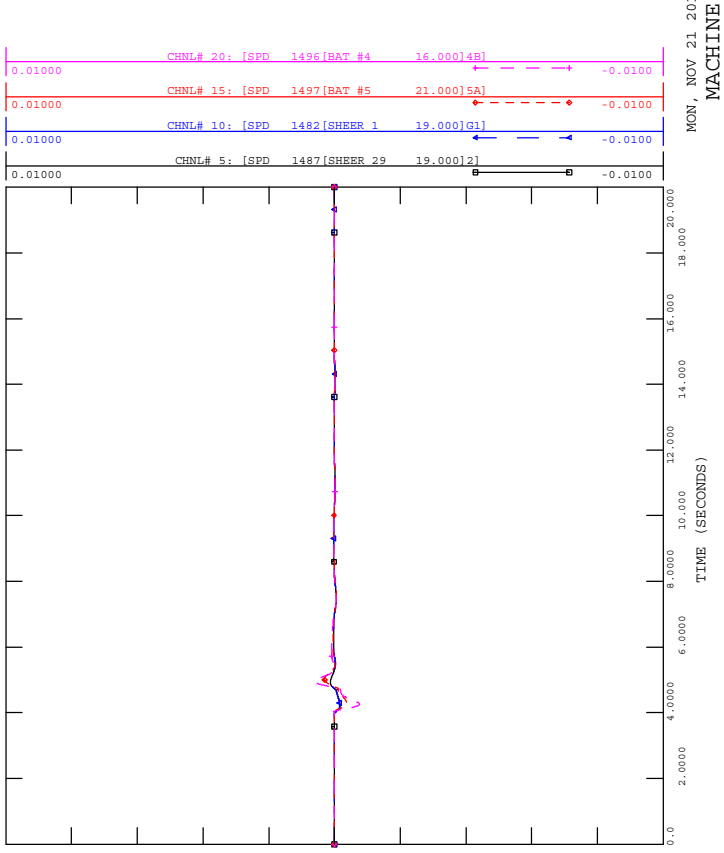
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S



MON, NOV 21 2016 12:55
BUS VOLTAGE

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

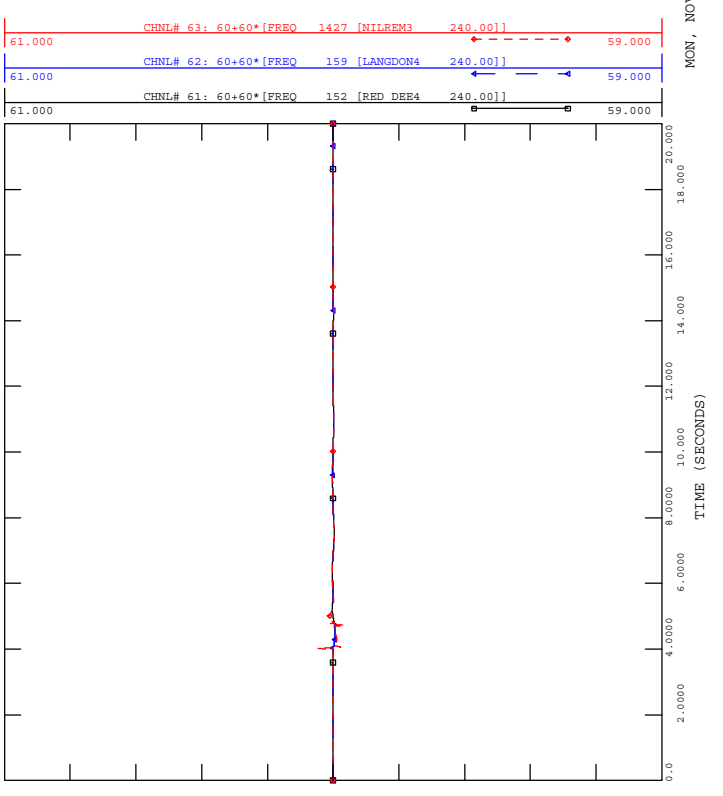
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S



MON, NOV 21 2016 12:55
MACHINE SPEED

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

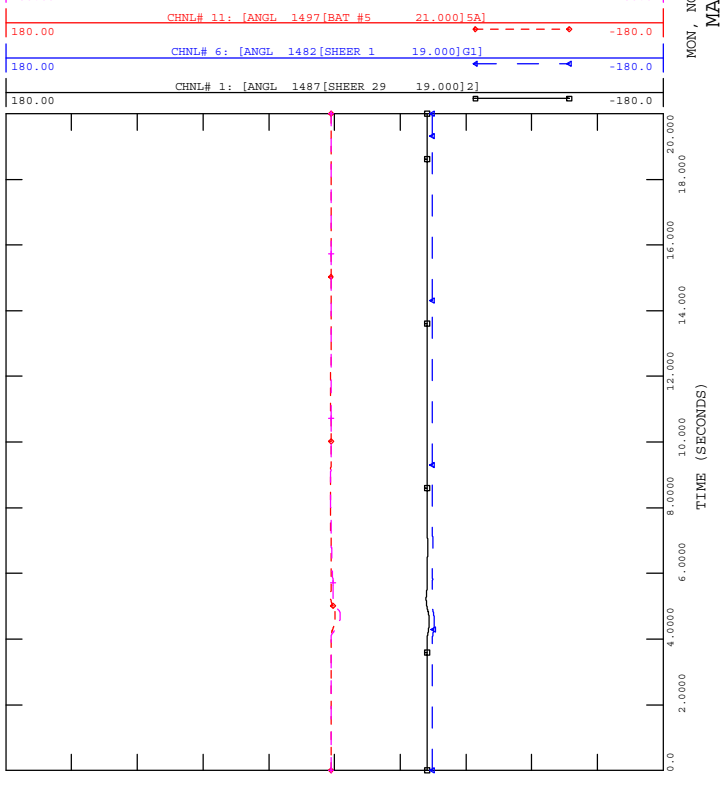
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S



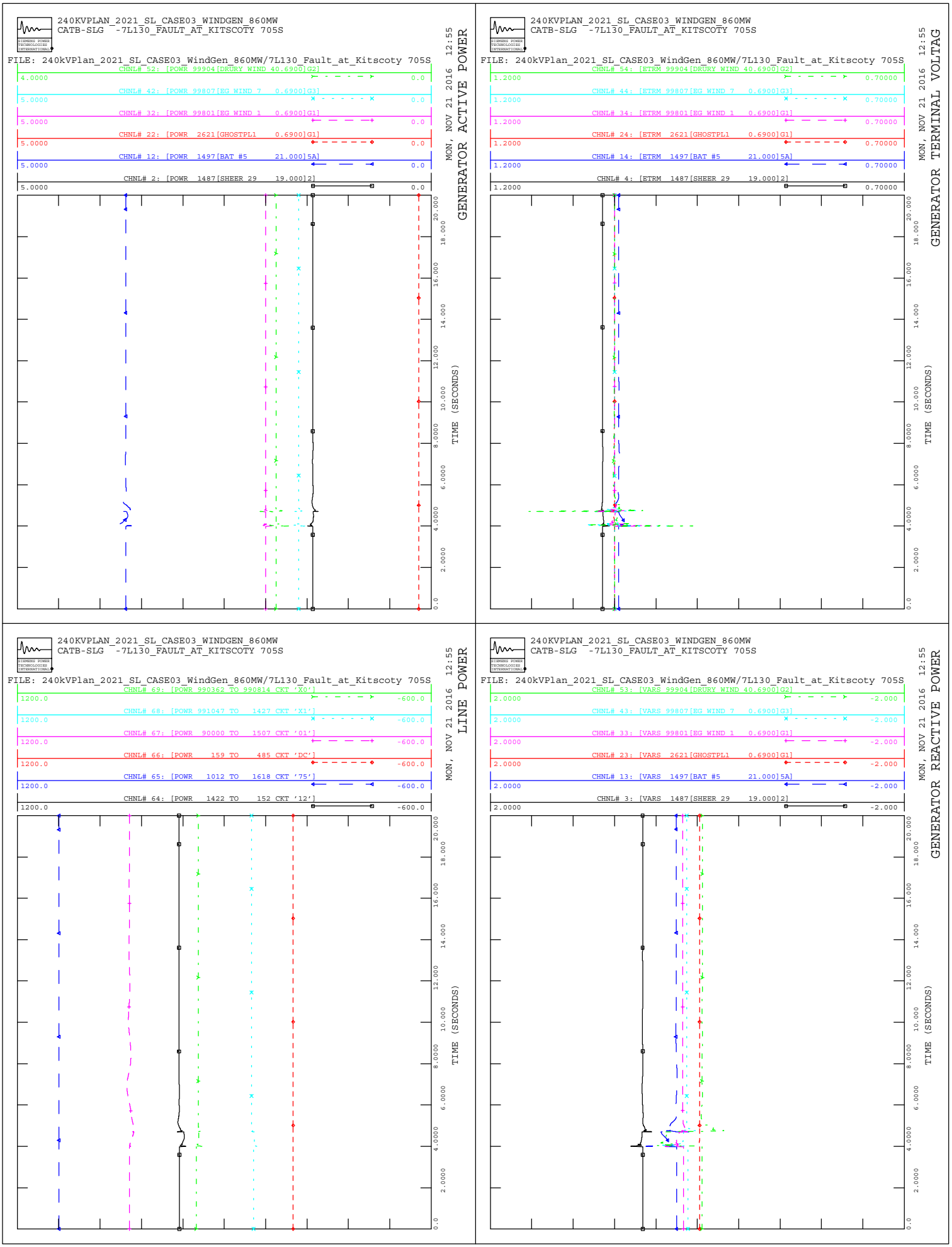
MON, NOV 21 2016 12:55
FREQUENCY

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S

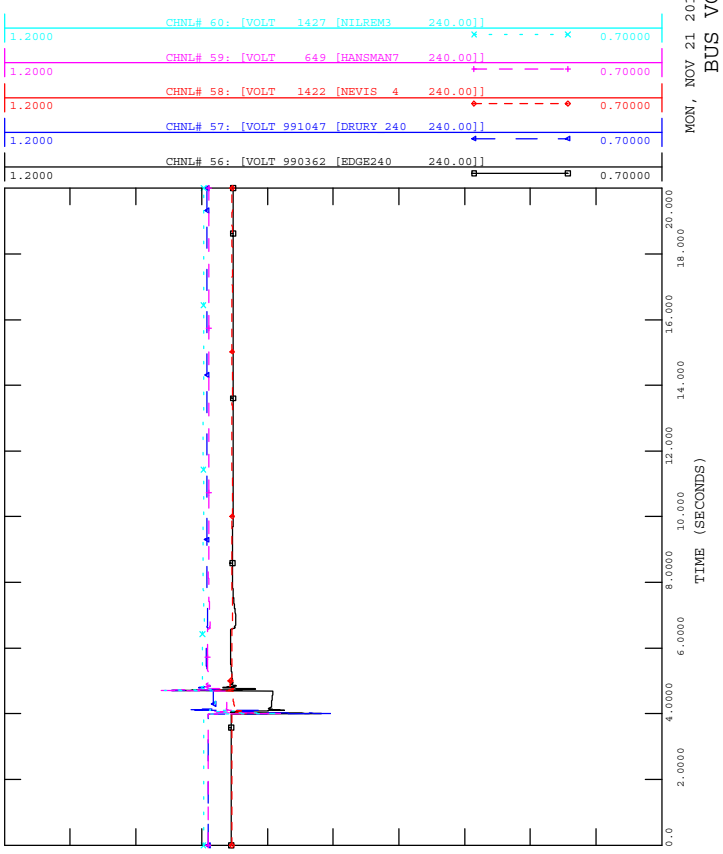


MON, NOV 21 2016 12:55
MACHINE ANGEL


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_Fault_at_Kitscoty 705S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

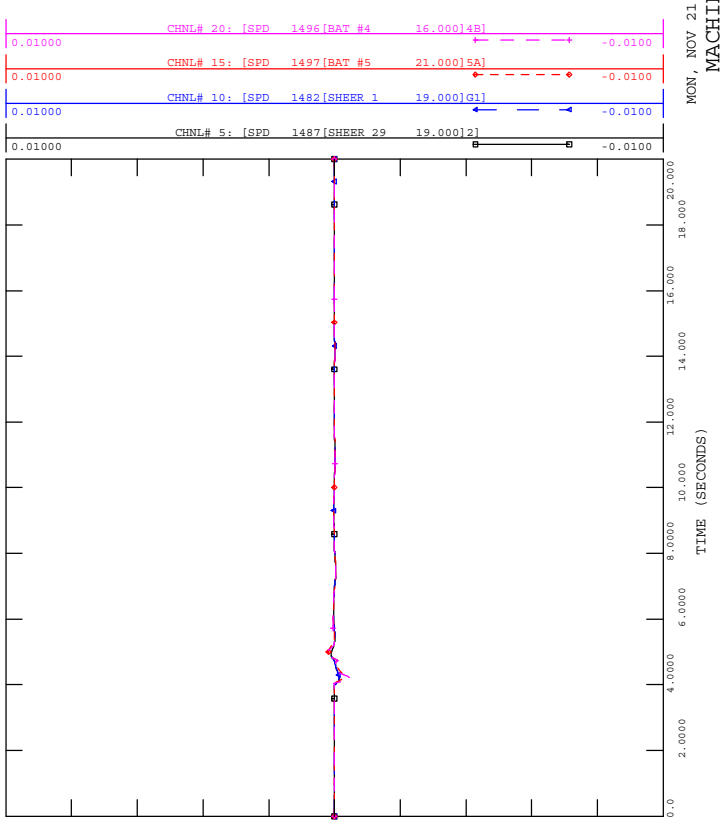
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



MON, NOV 21 2016 12:55
BUS VOLTAGE

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

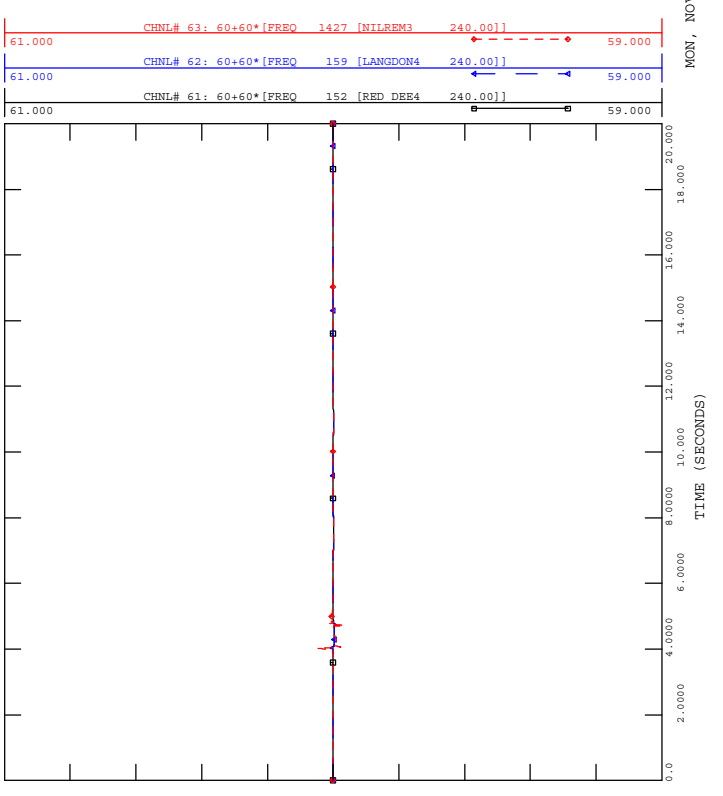
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



MON, NOV 21 2016 12:55
MACHINE SPEED

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

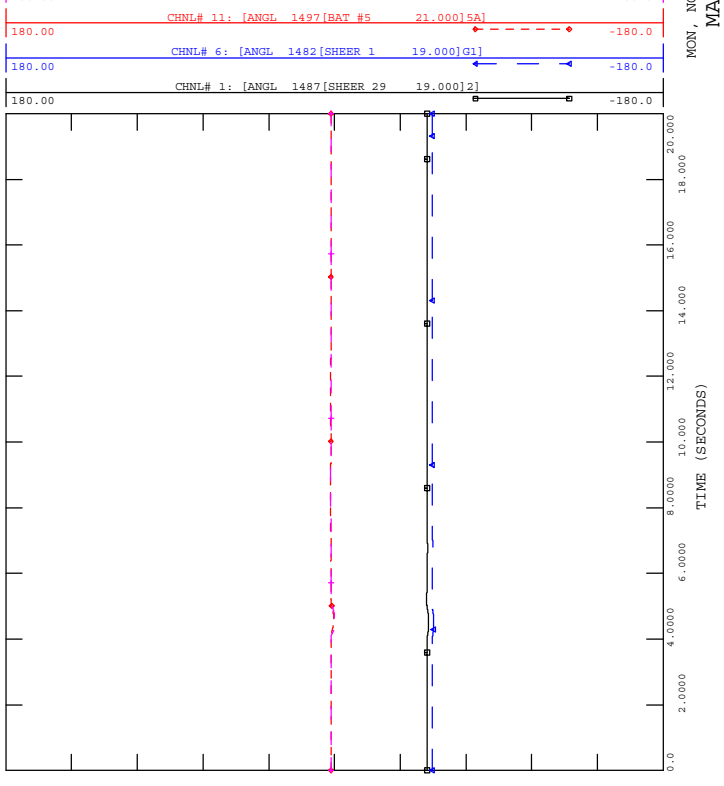
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



MON, NOV 21 2016 12:55
FREQUENCY

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

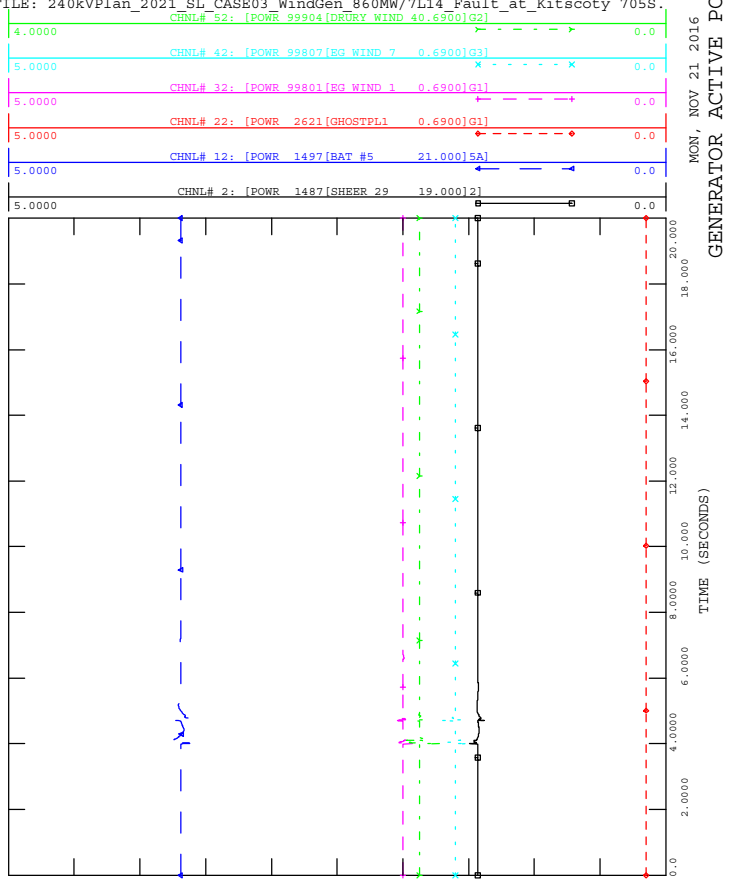
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



MON, NOV 21 2016 12:55
MACHINE ANGEL

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

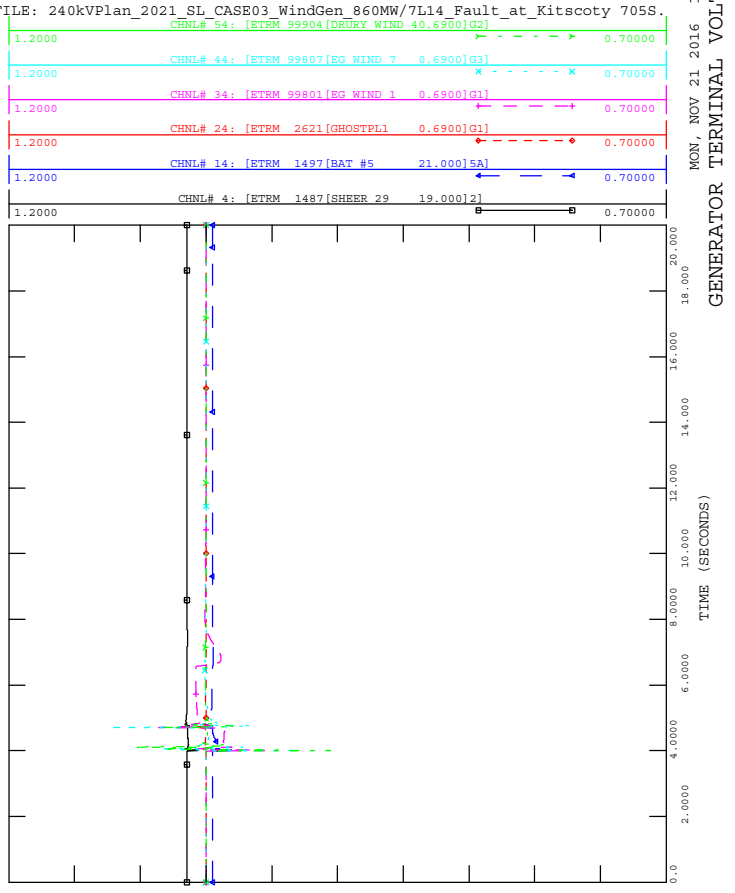


MON, NOV 21 2016 12:55

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

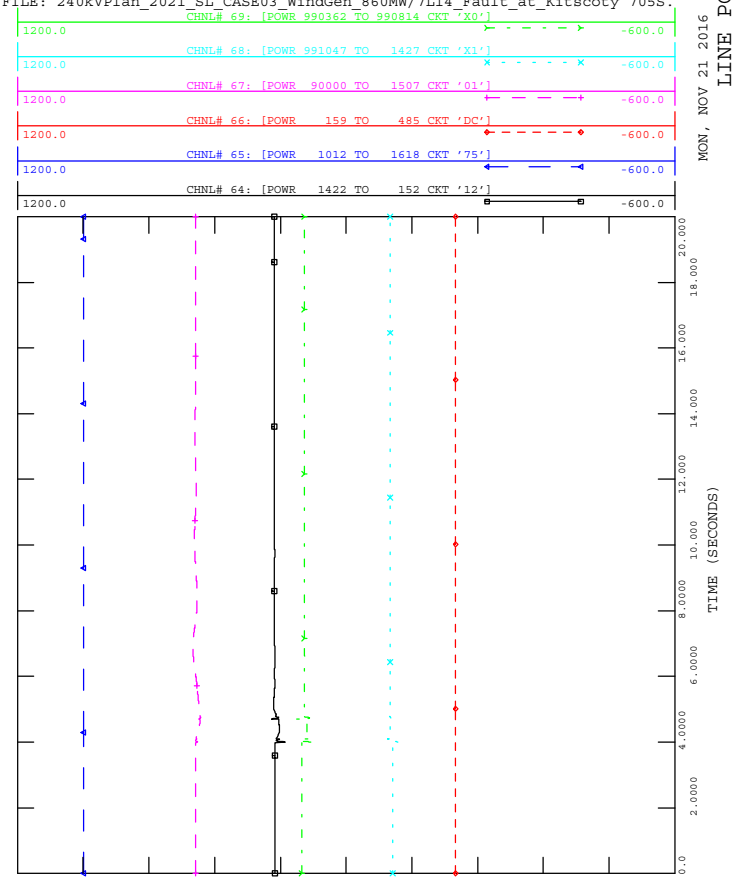


MON, NOV 21 2016 12:55

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

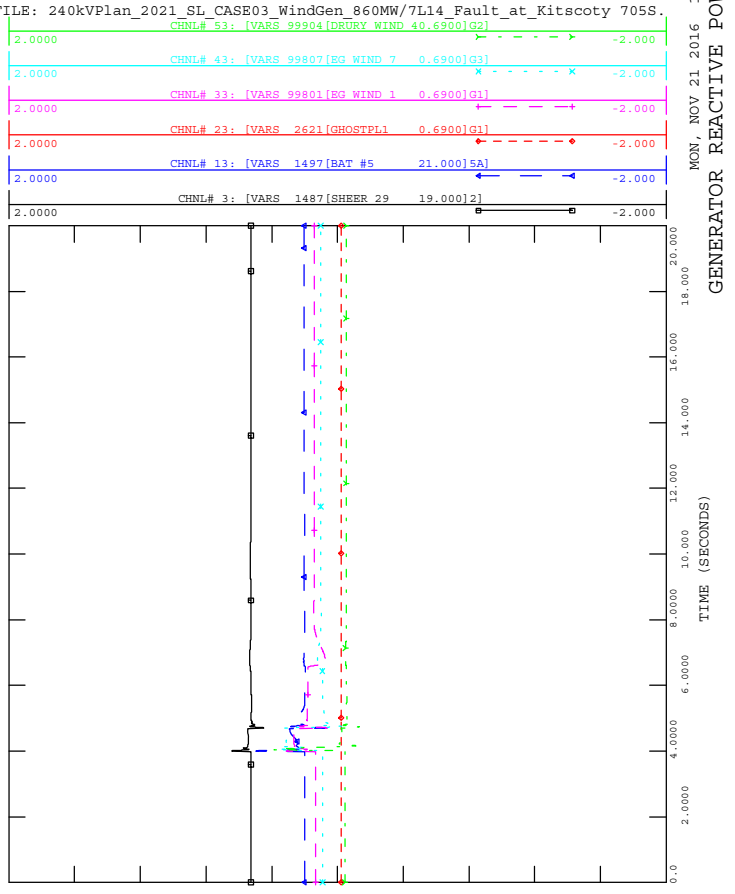


MON, NOV 21 2016 12:55

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



MON, NOV 21 2016 12:55

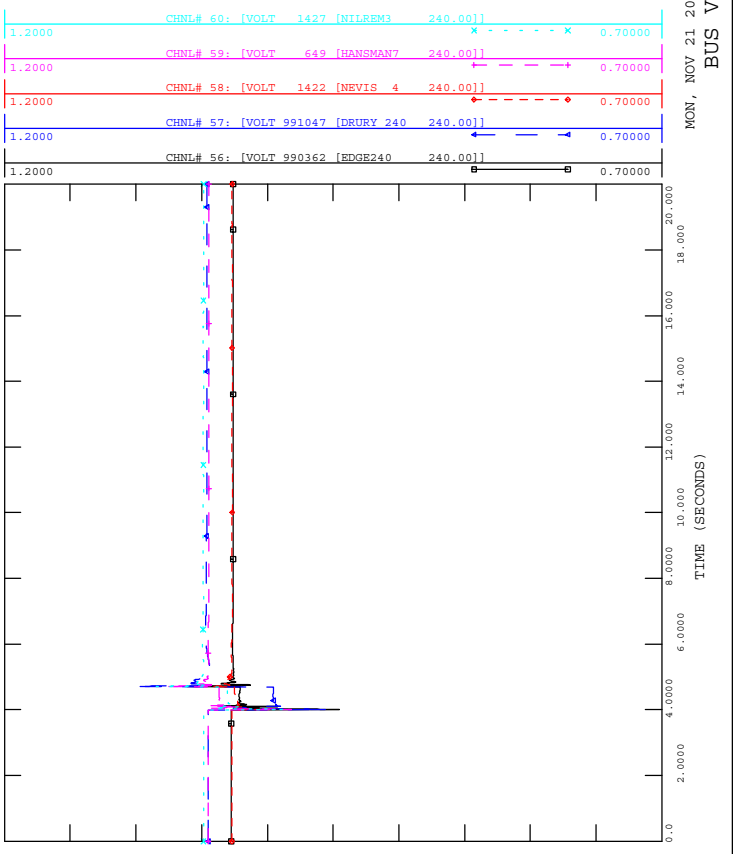
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:55

BUS VOLTAGE

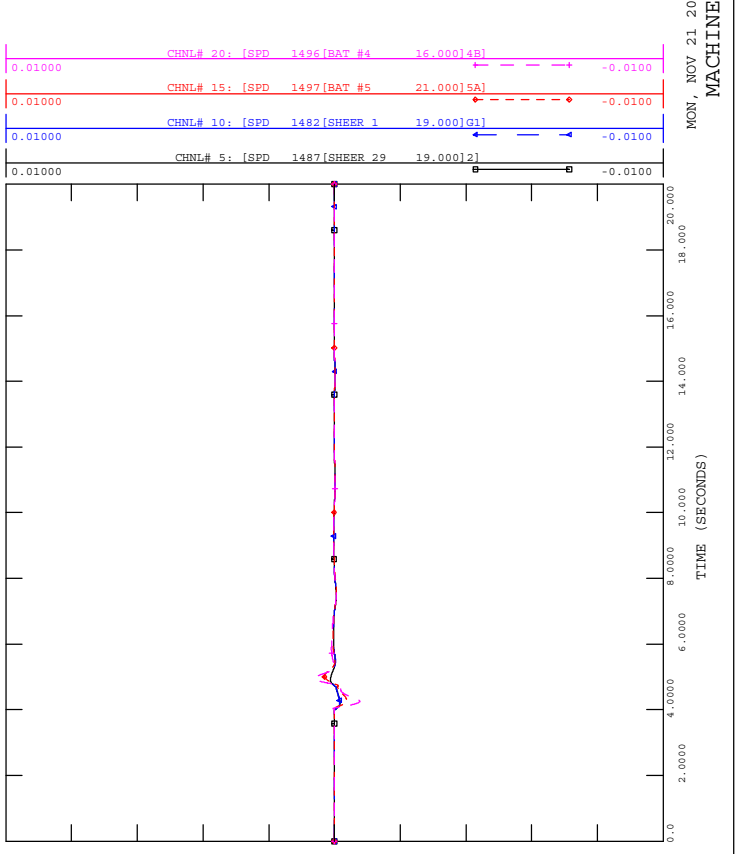


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:55

MACHINE SPEED

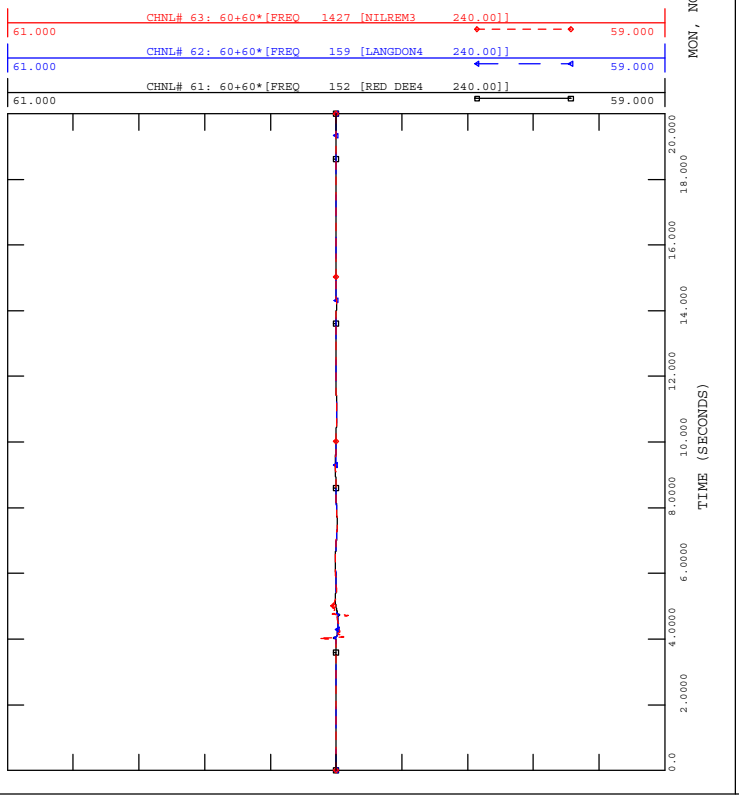


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:55

FREQUENCY

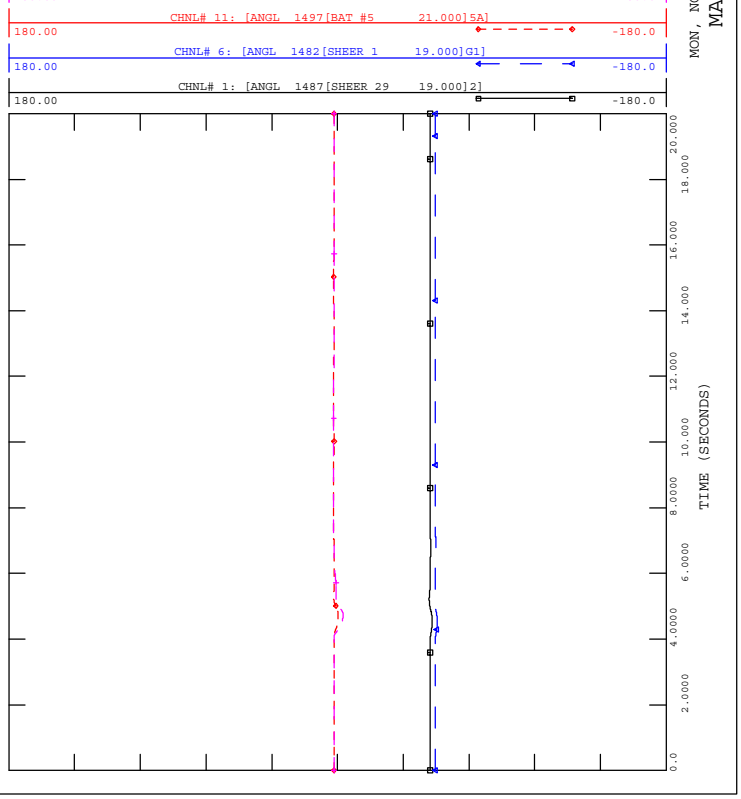


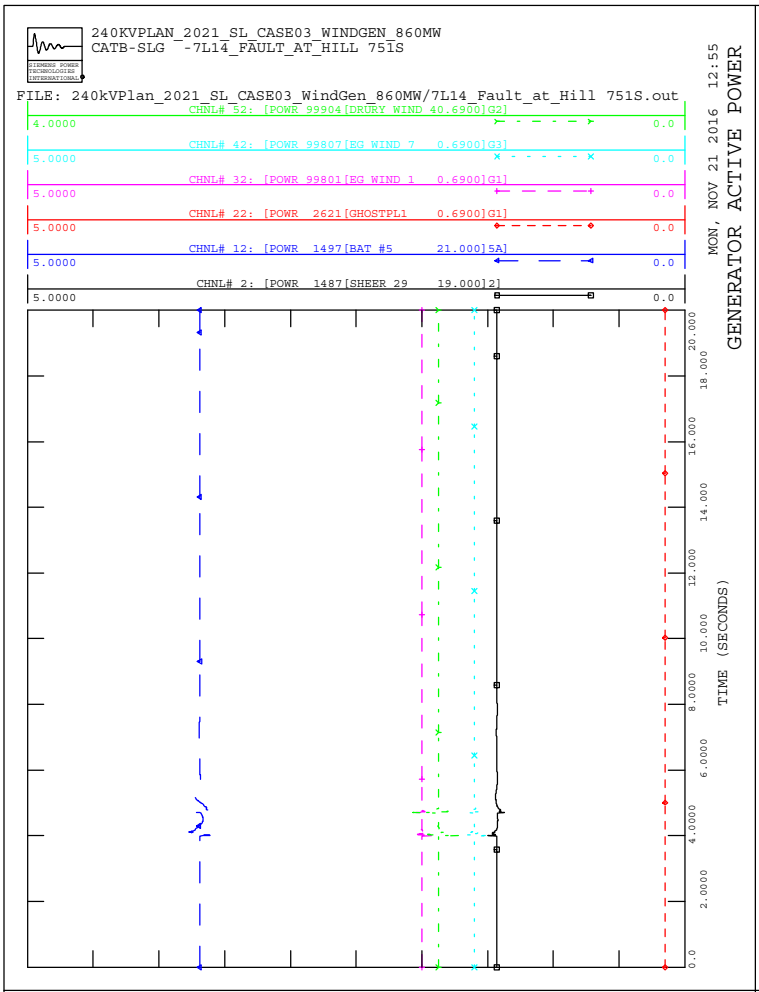
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

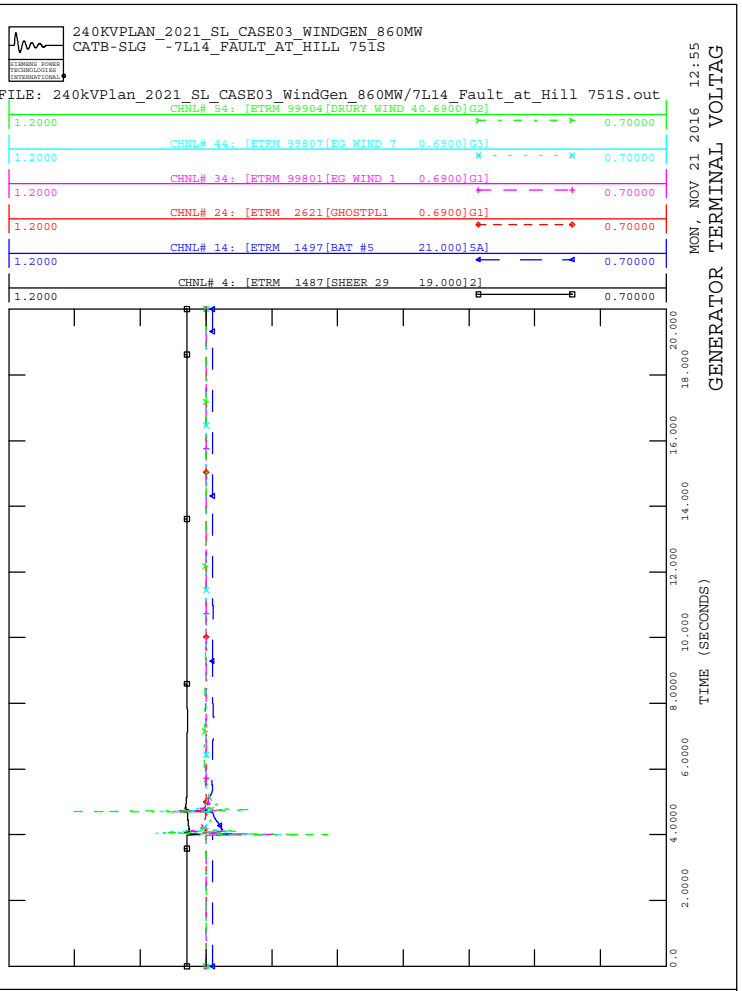
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out

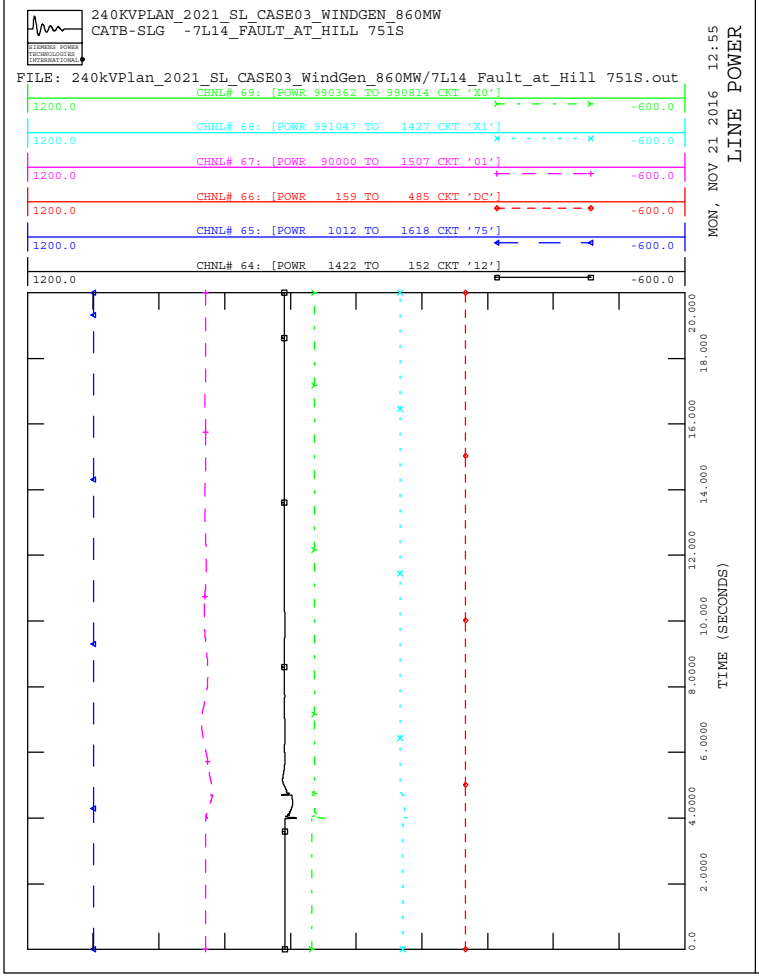
MON, NOV 21 2016 12:55

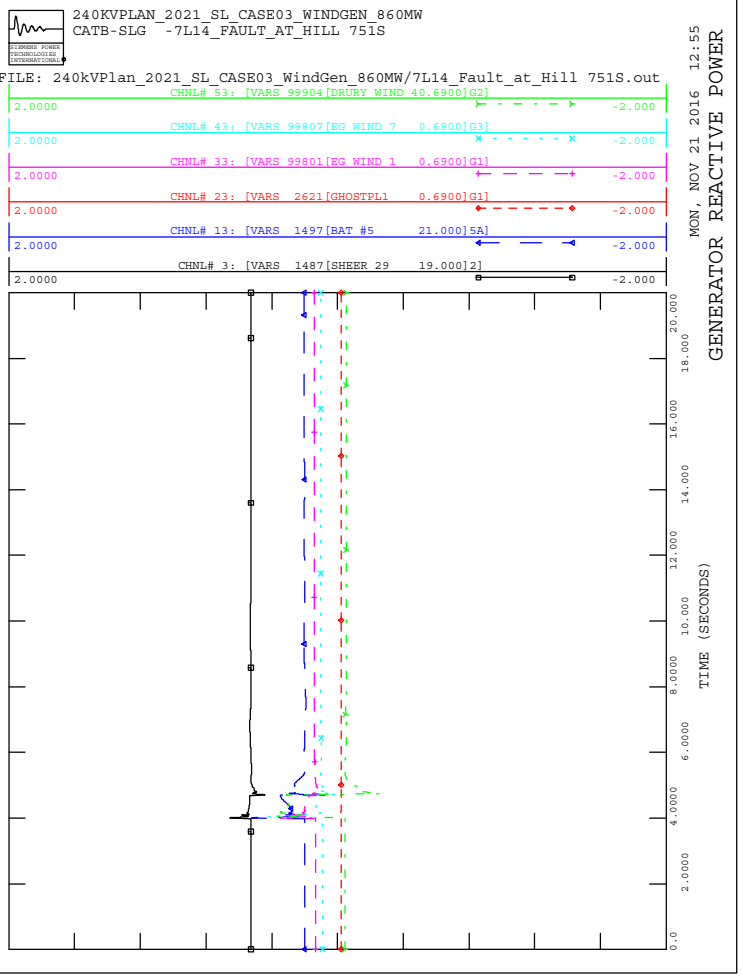
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
0.0
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
MON, NOV 21 2016 12:55
LINE POWER

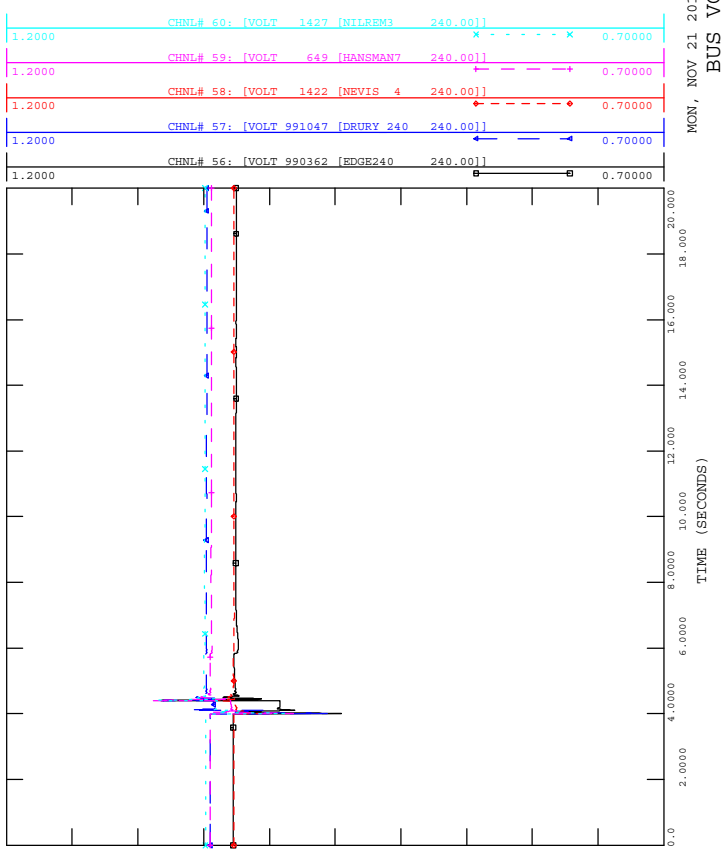

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:55

BUS VOLTAGE

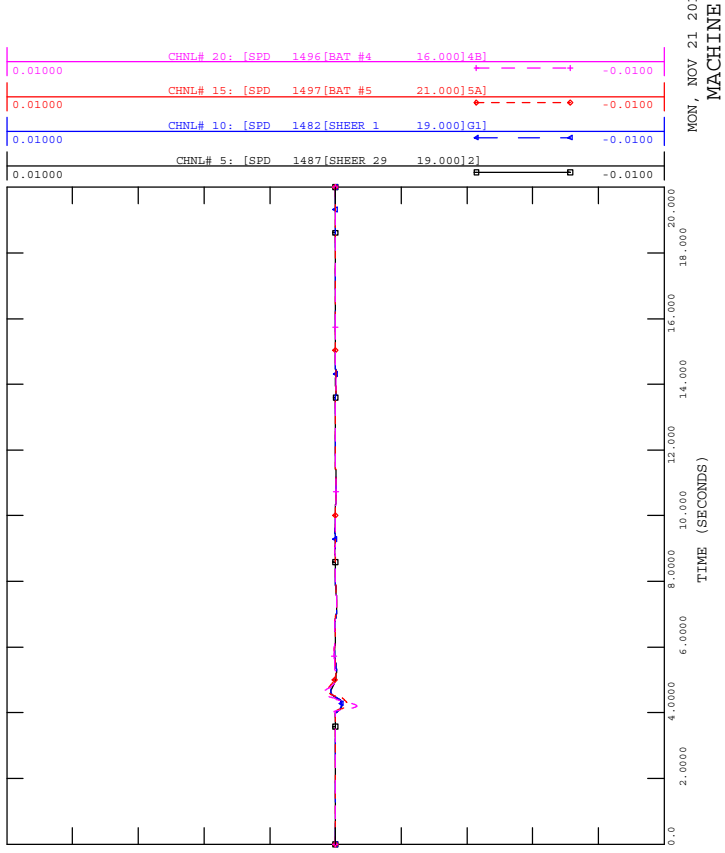


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:55

MACHINE SPEED

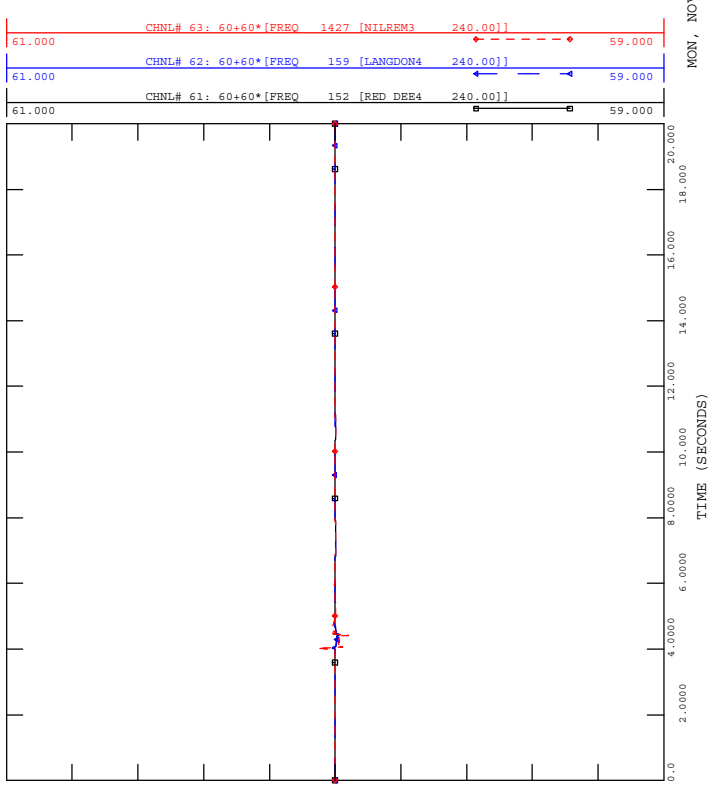


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:55

FREQUENCY

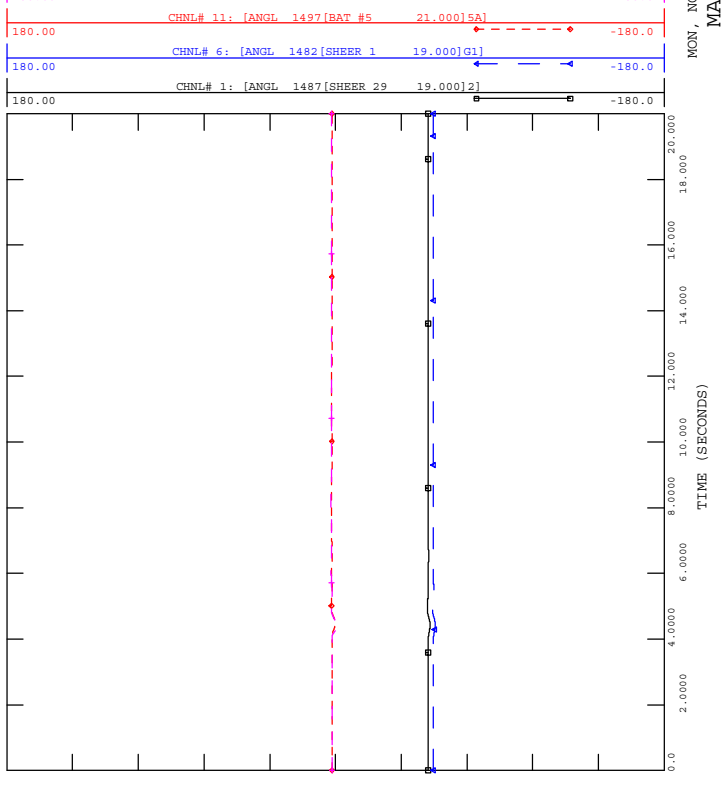


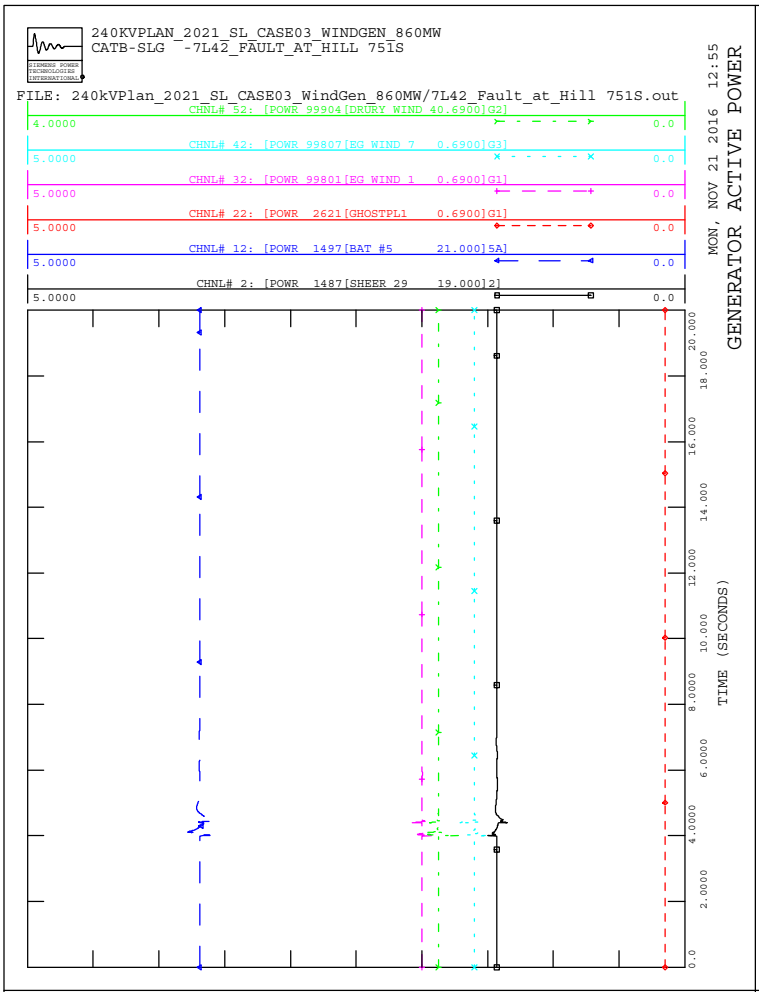
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

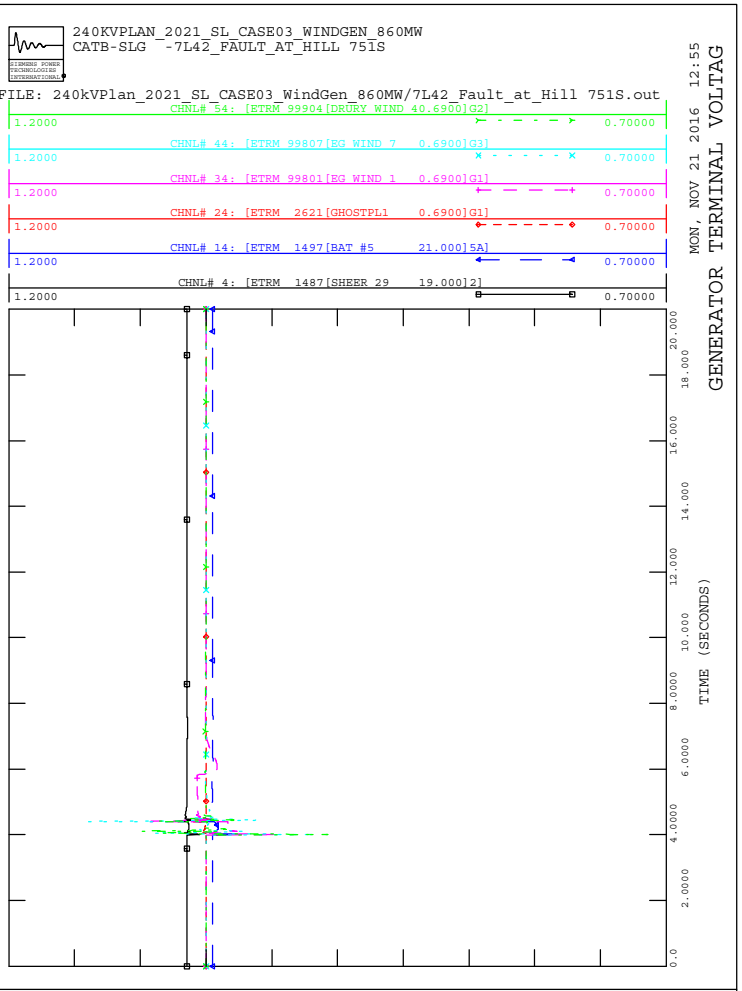
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out

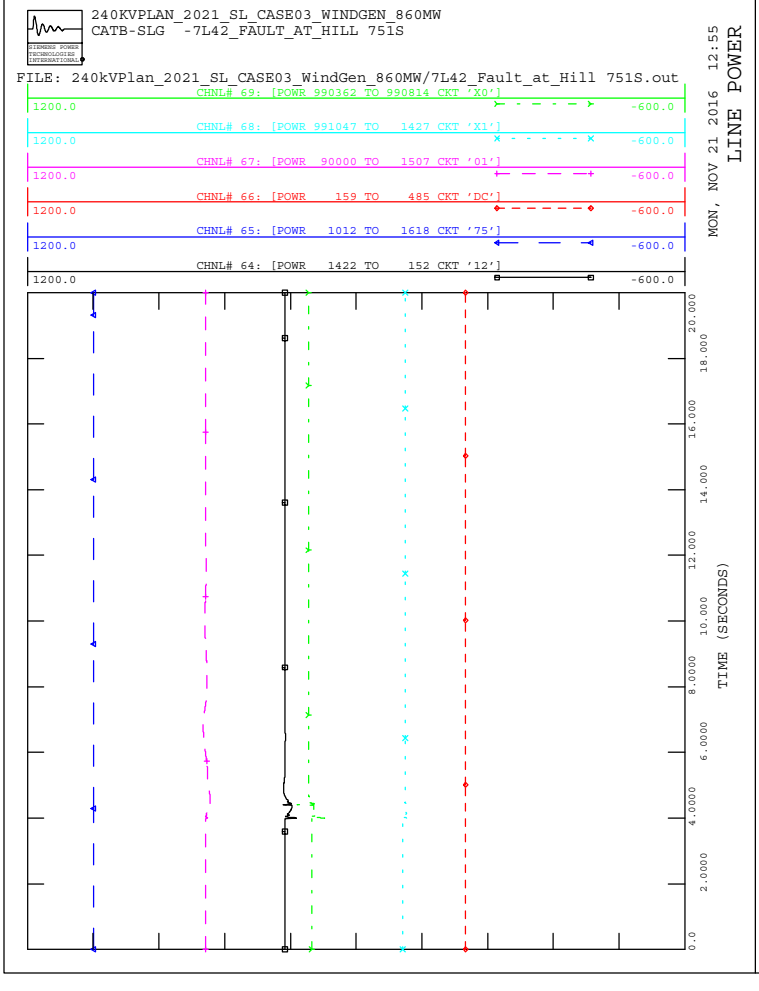
MON, NOV 21 2016 12:55

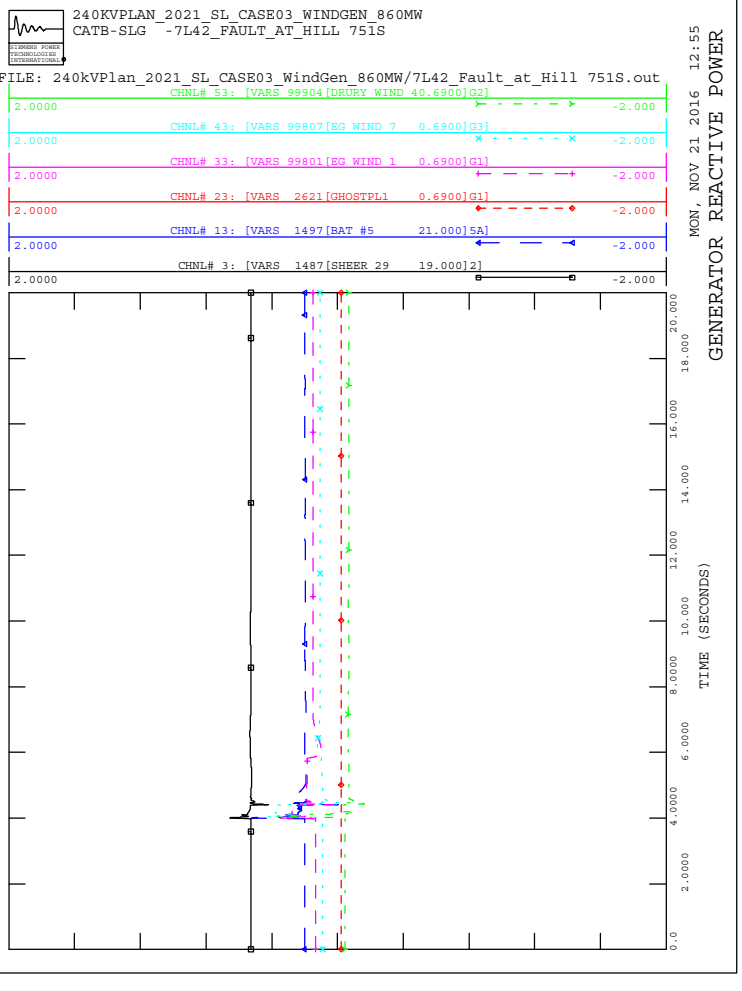
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

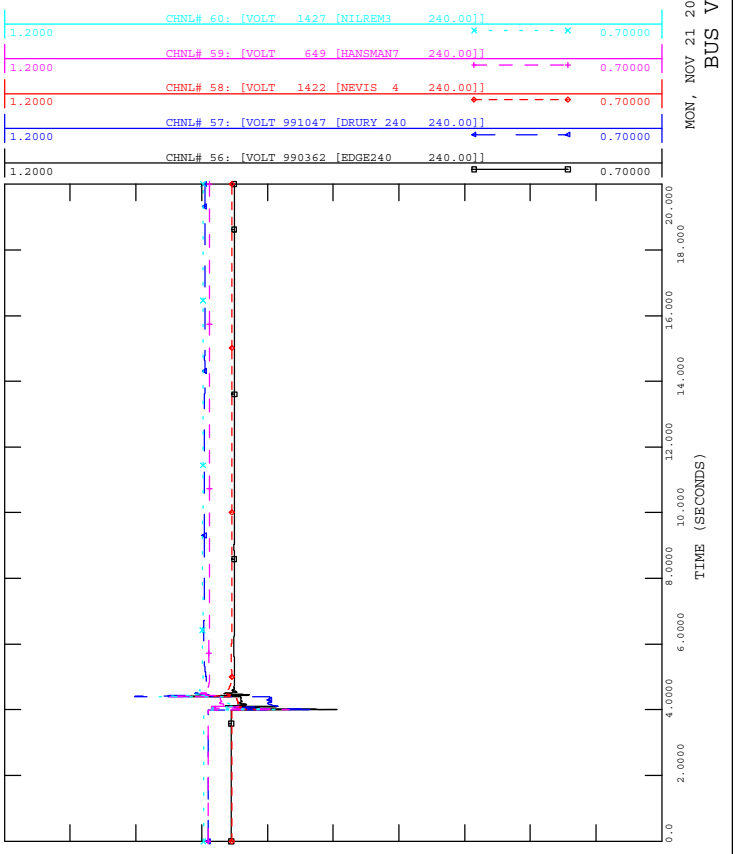

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7

MON, NOV 21 2016 12:55

BUS VOLTAGE

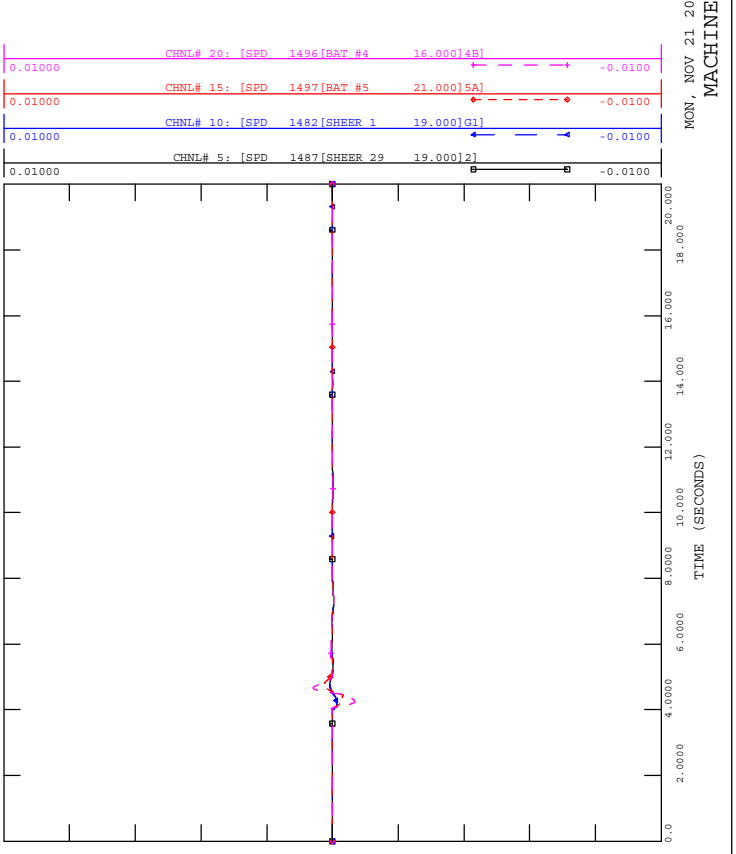


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7

MON, NOV 21 2016 12:55

MACHINE SPEED

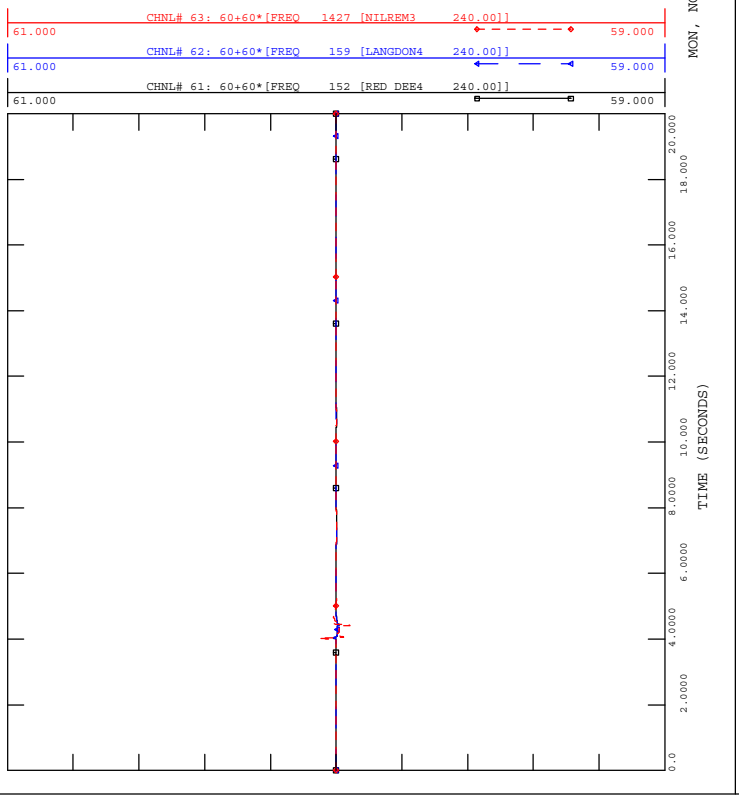


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7

MON, NOV 21 2016 12:55

FREQUENCY

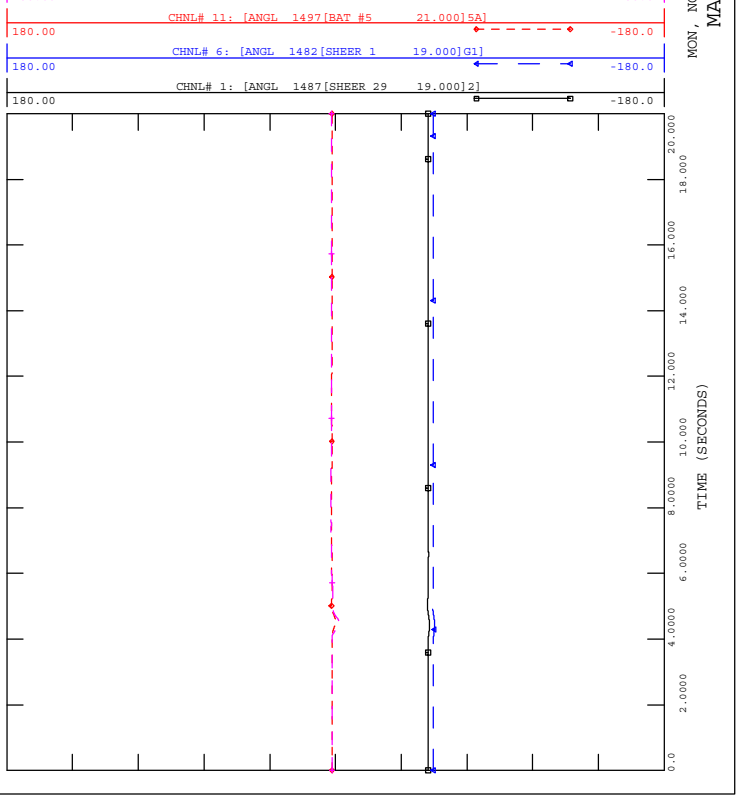


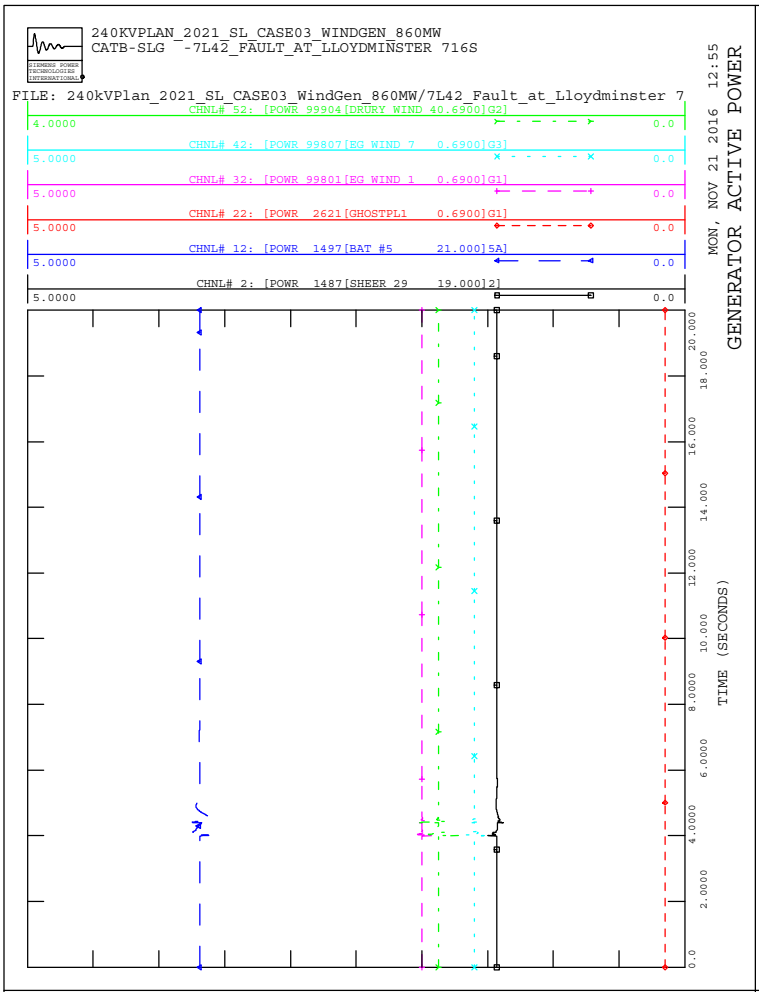
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

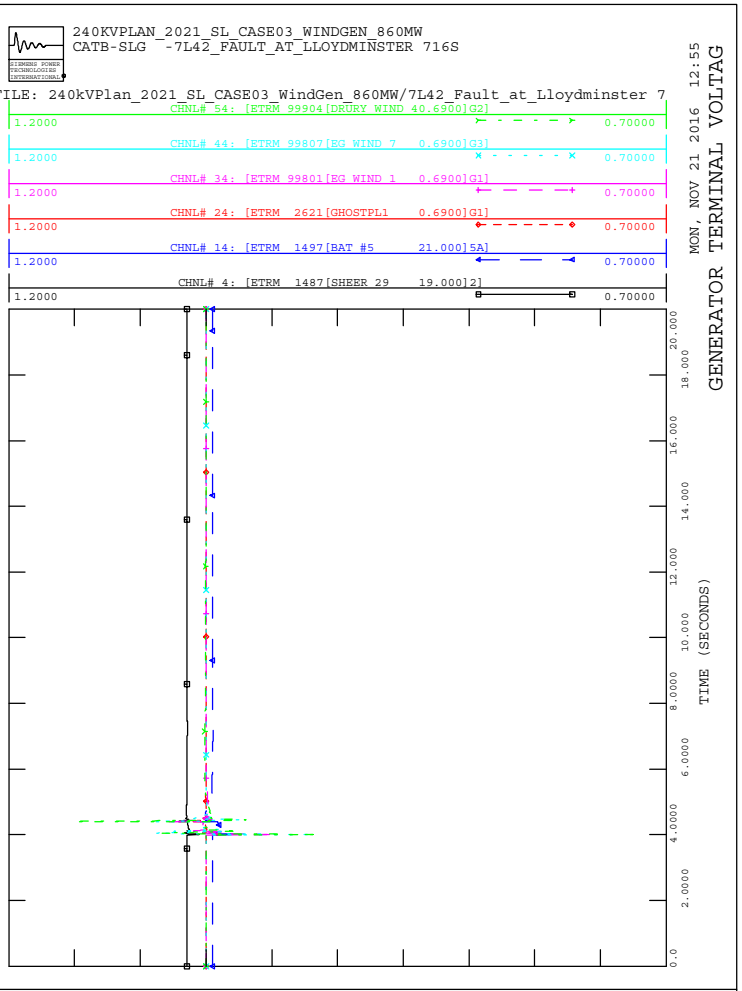
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7

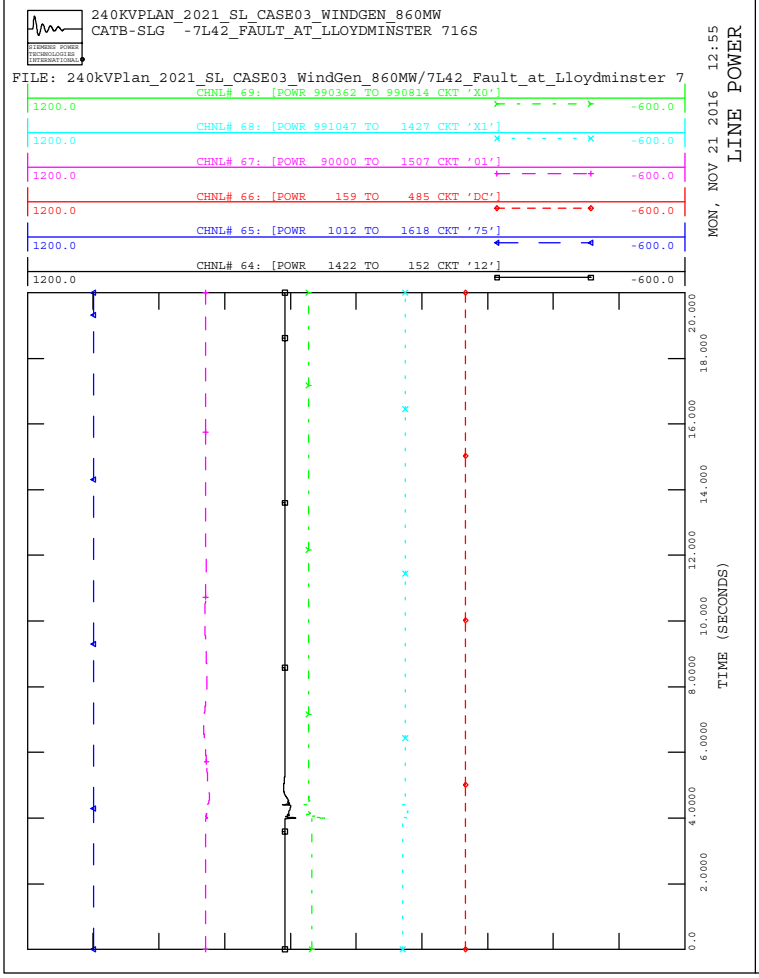
MON, NOV 21 2016 12:55

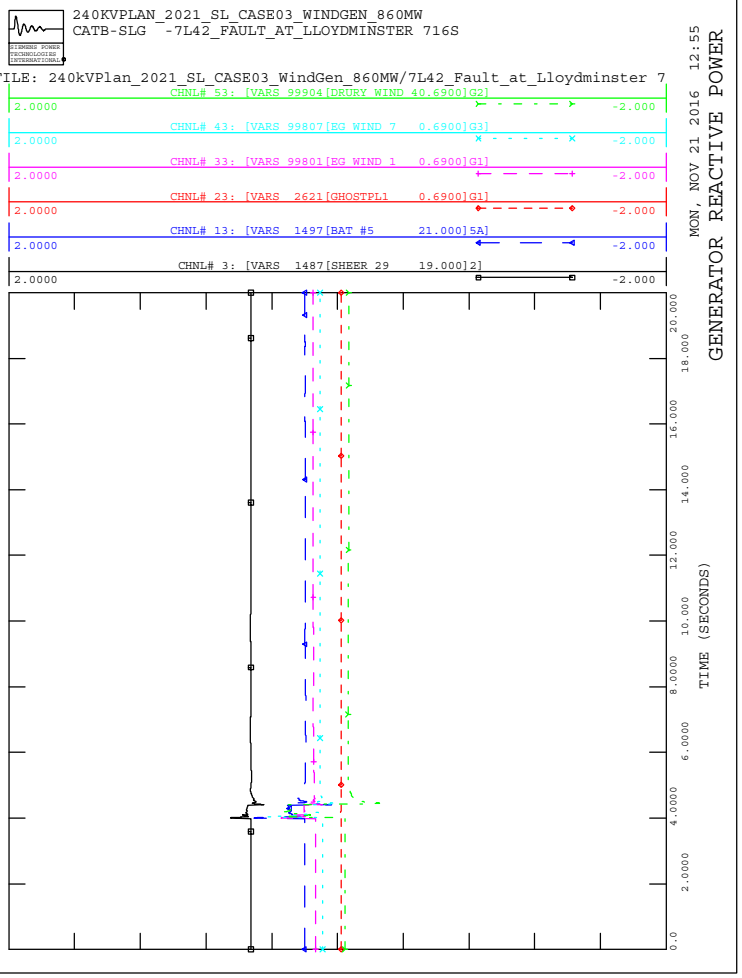
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

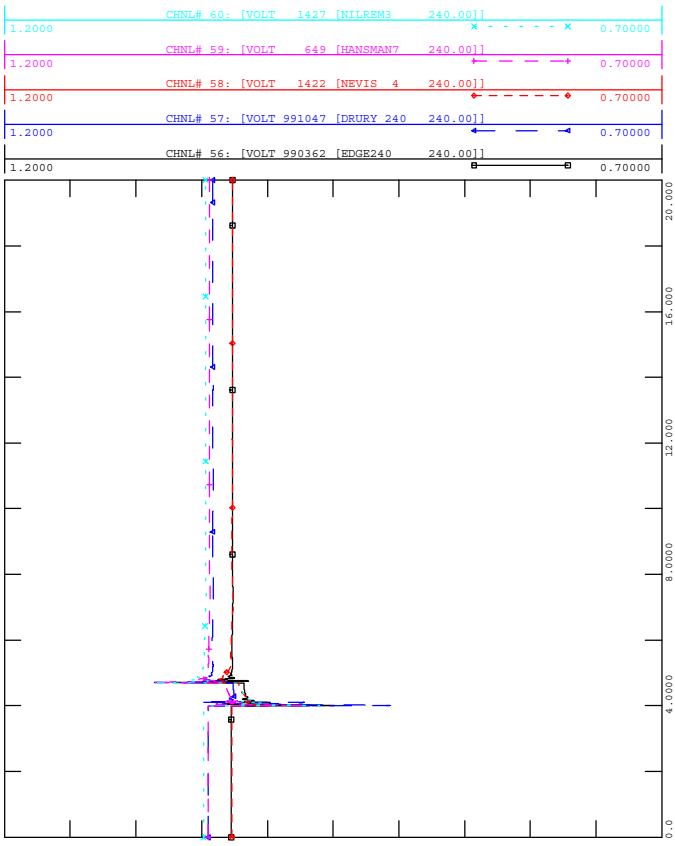

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:55

BUS VOLTAGE

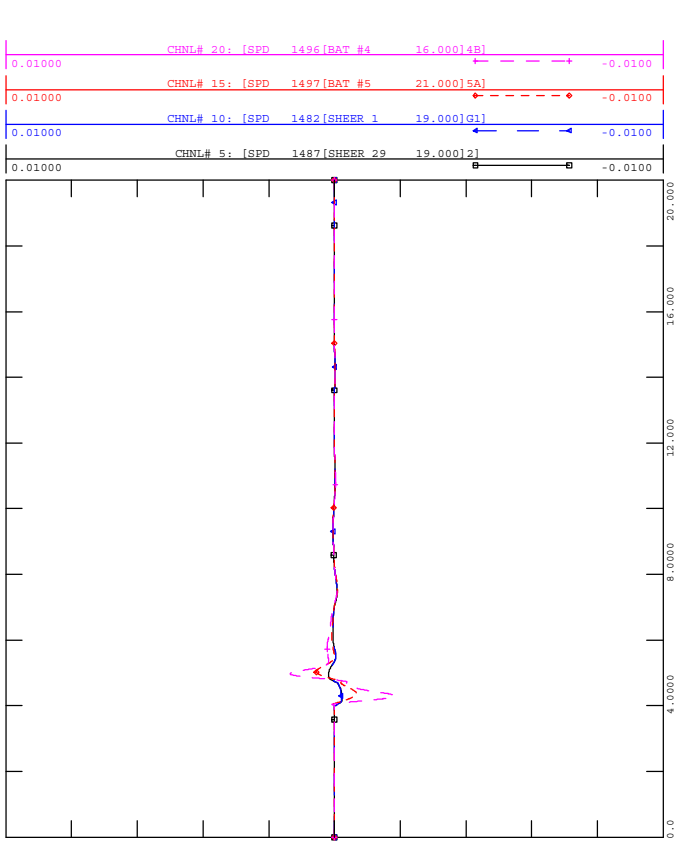


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:55

MACHINE SPEED

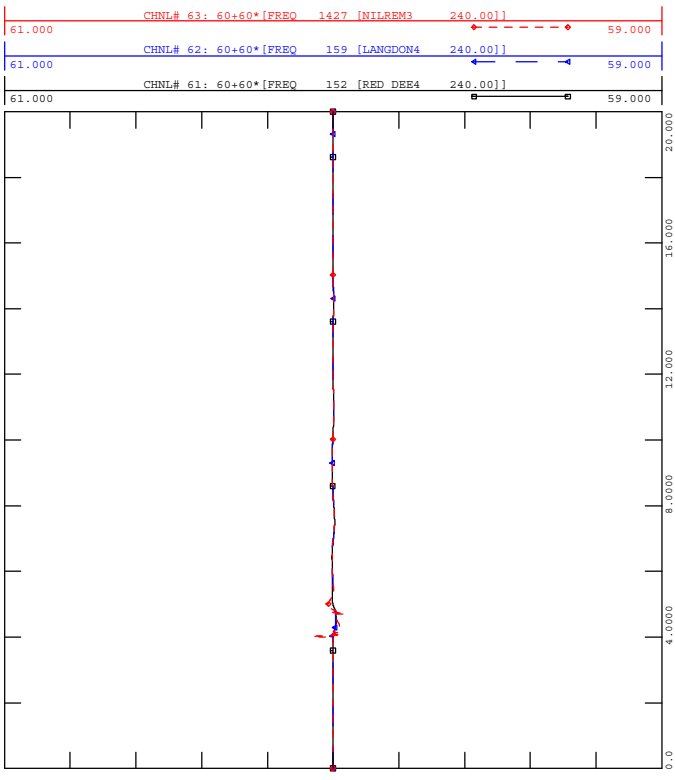


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:55

FREQUENCY

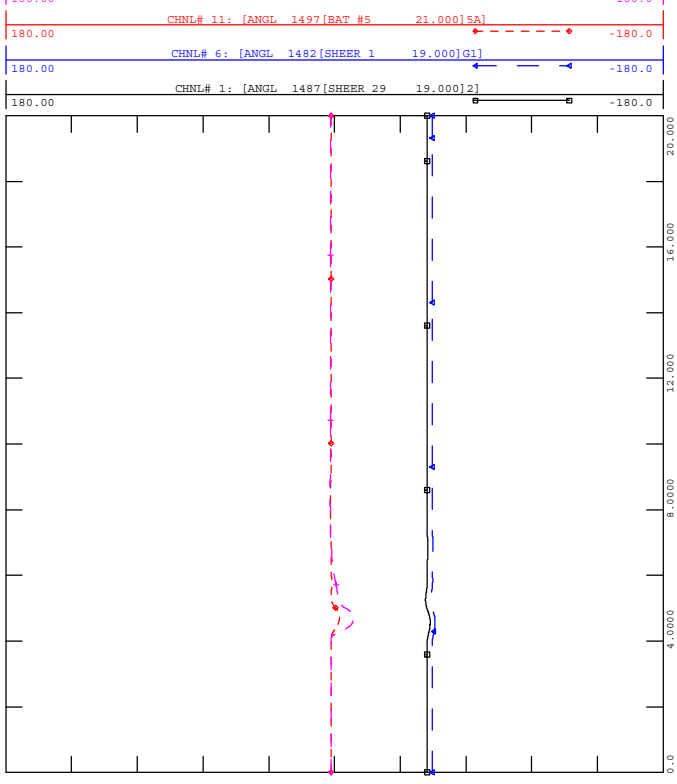


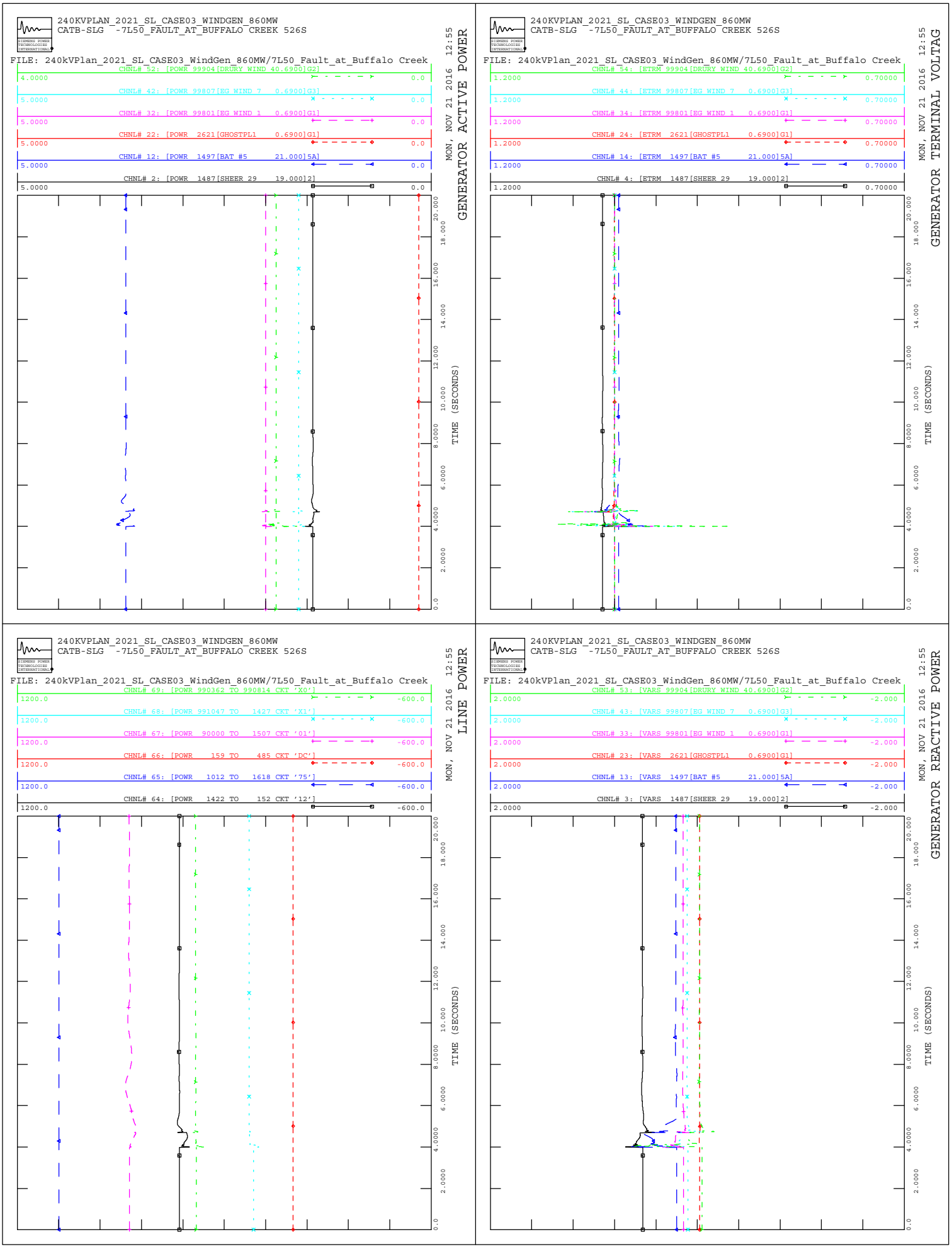
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:55

MACHINE ANGEL



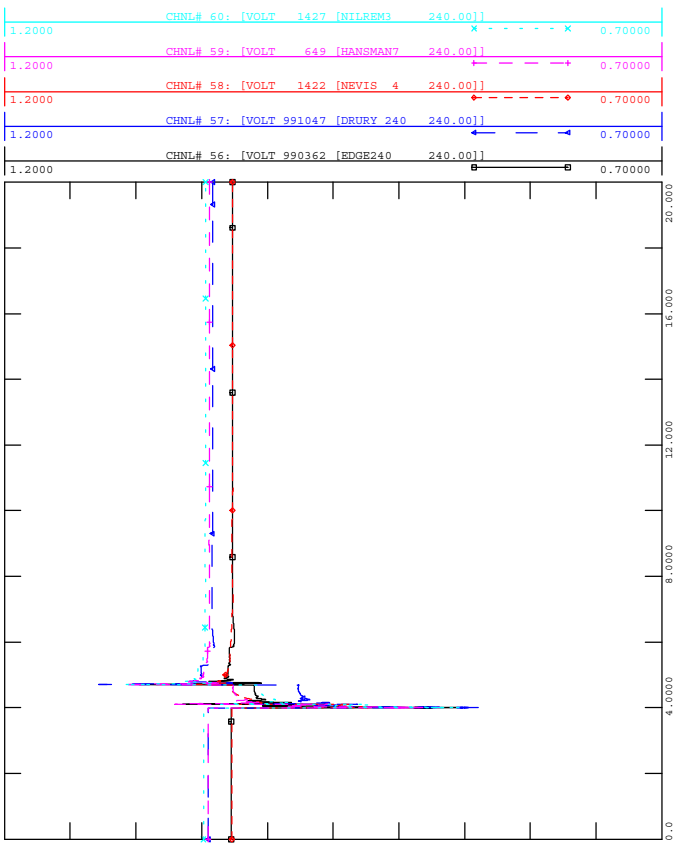

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7

MON, NOV 21 2016 12:55

BUS VOLTAGE

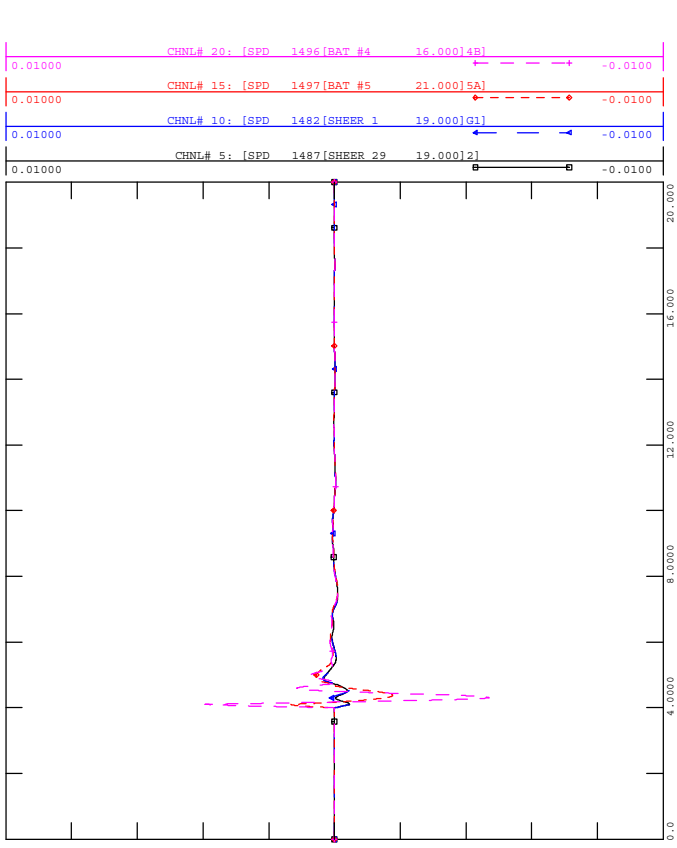


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7

MON, NOV 21 2016 12:55

MACHINE SPEED

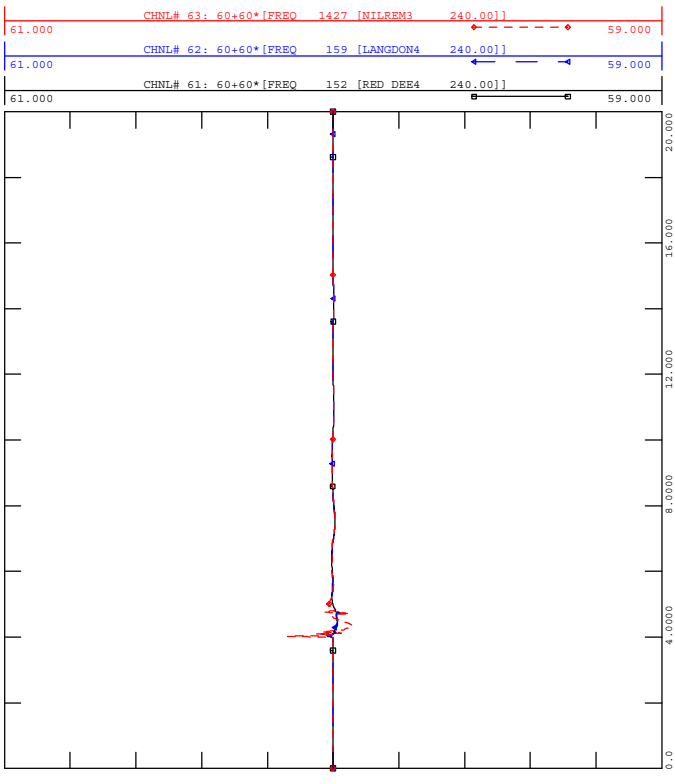


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7

MON, NOV 21 2016 12:55

FREQUENCY

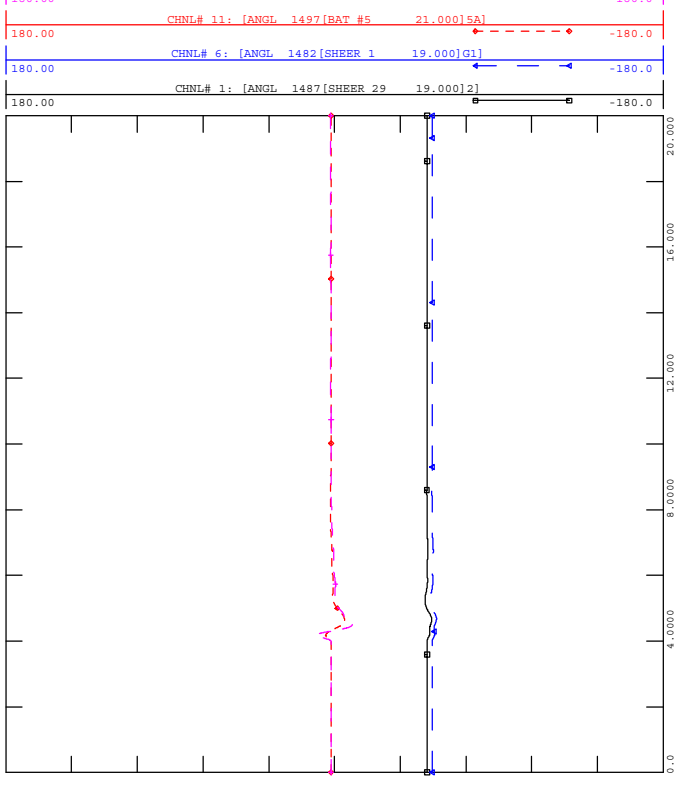


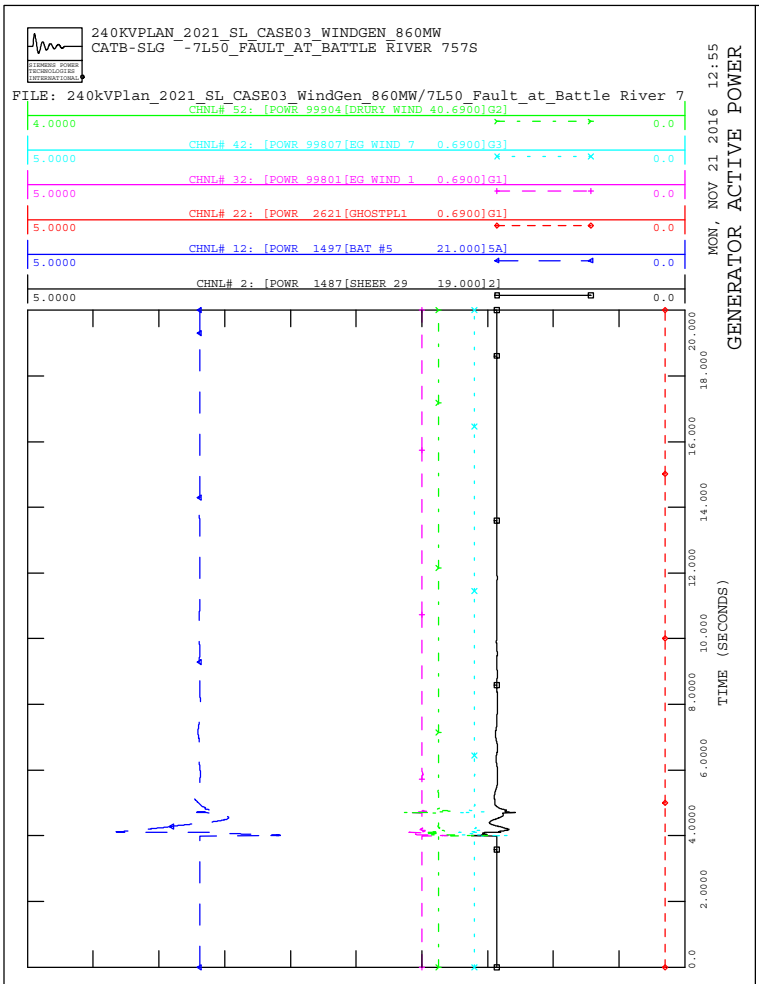
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

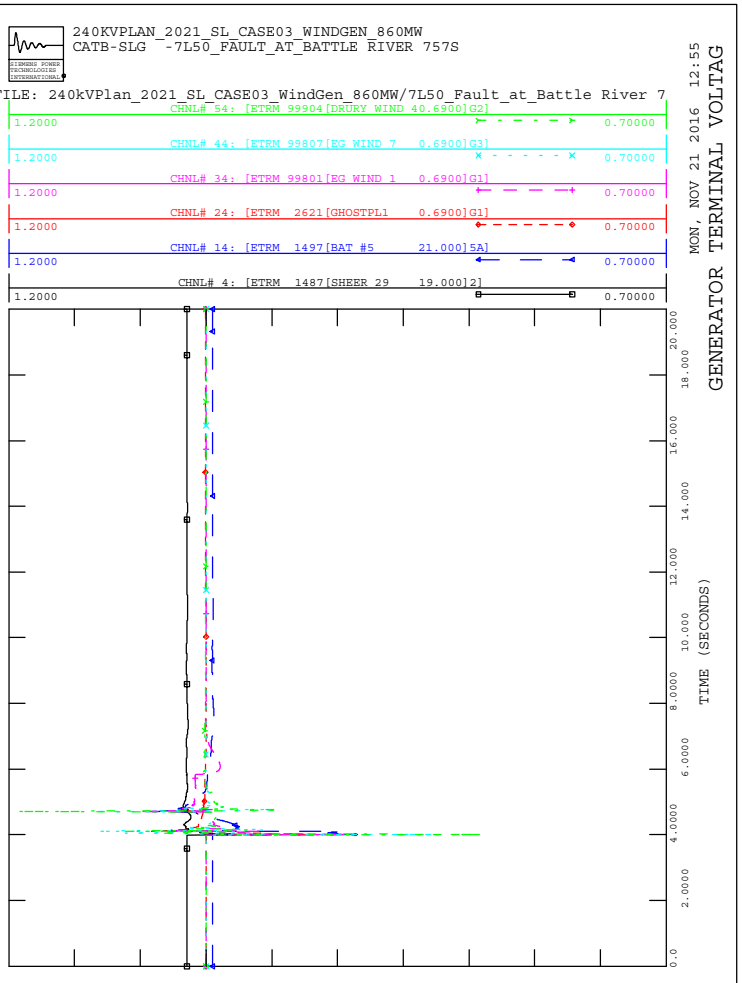
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7

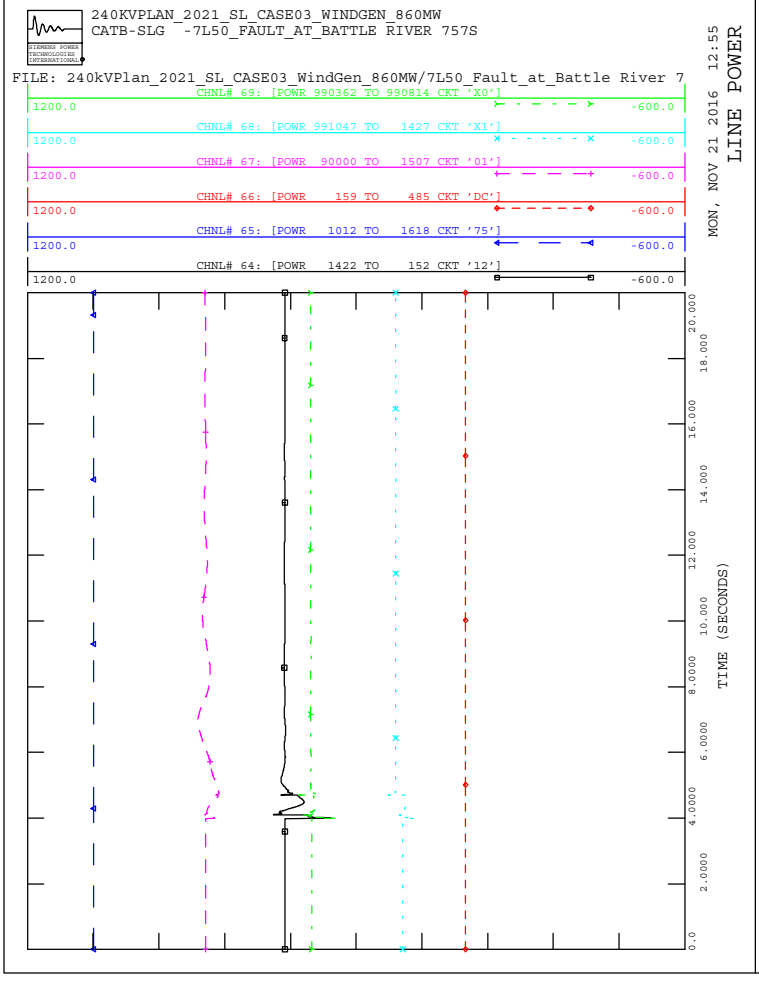
MON, NOV 21 2016 12:55

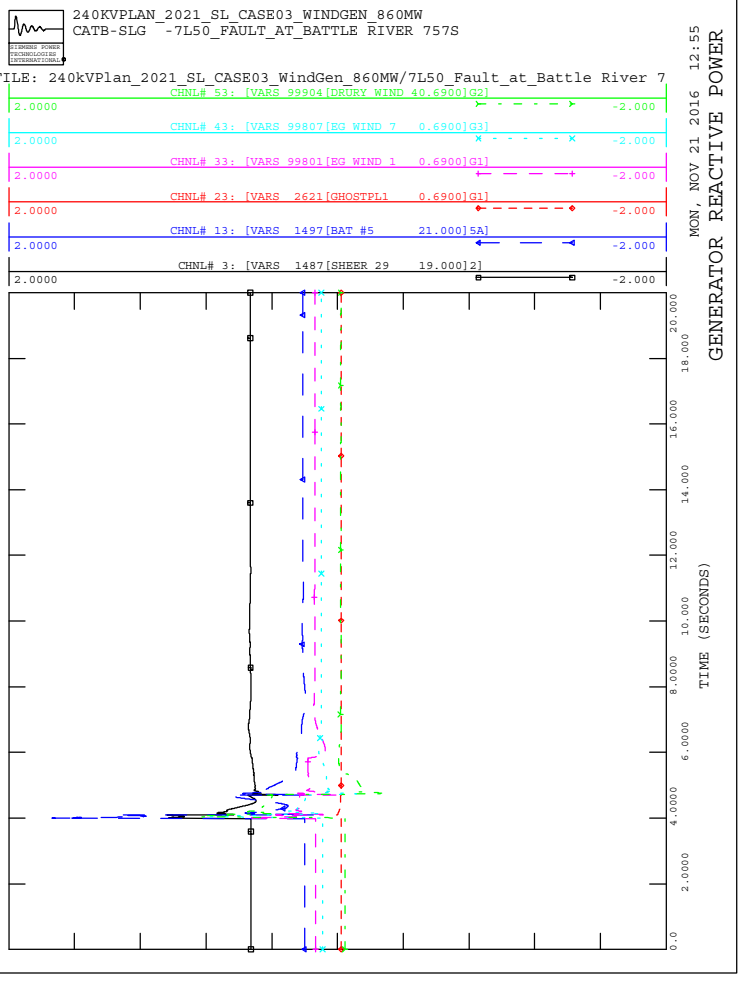
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

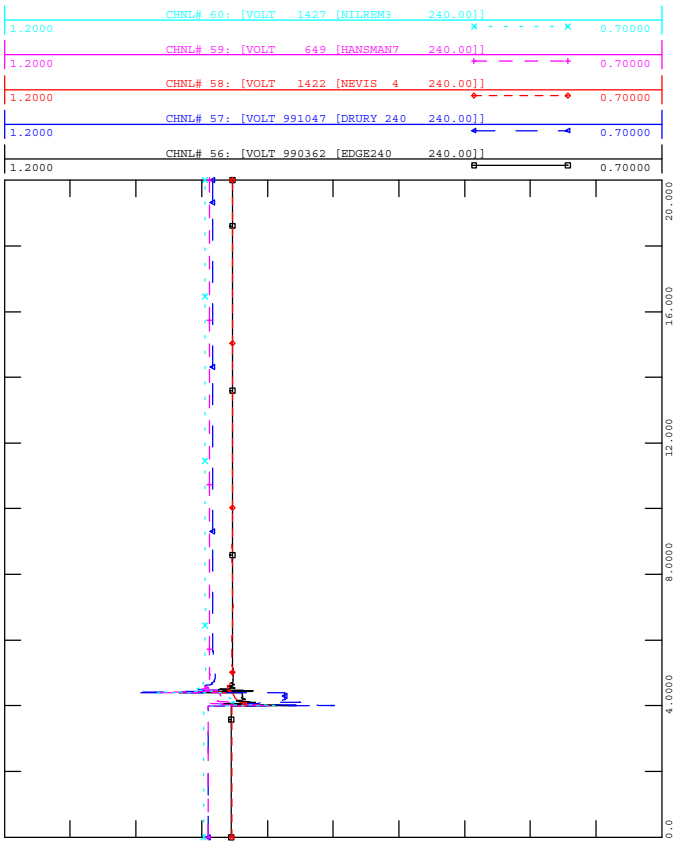

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 12:55

BUS VOLTAGE

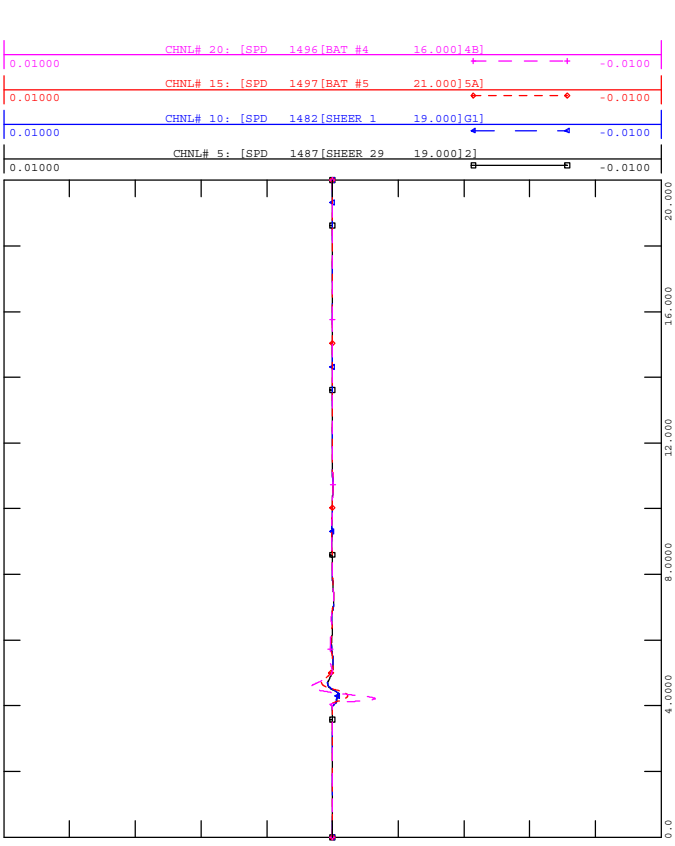


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 12:55

MACHINE SPEED

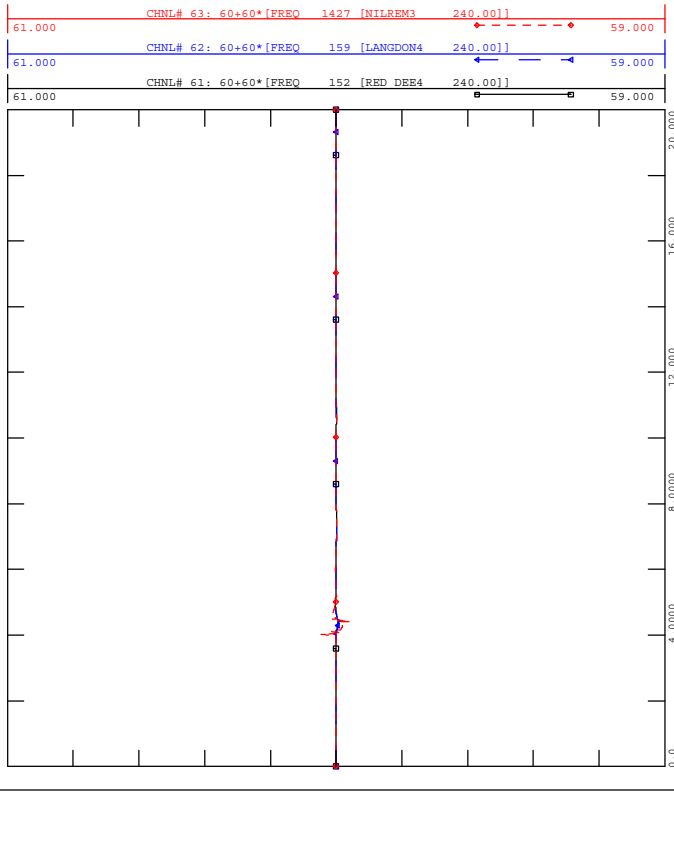


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 12:55

FREQUENCY

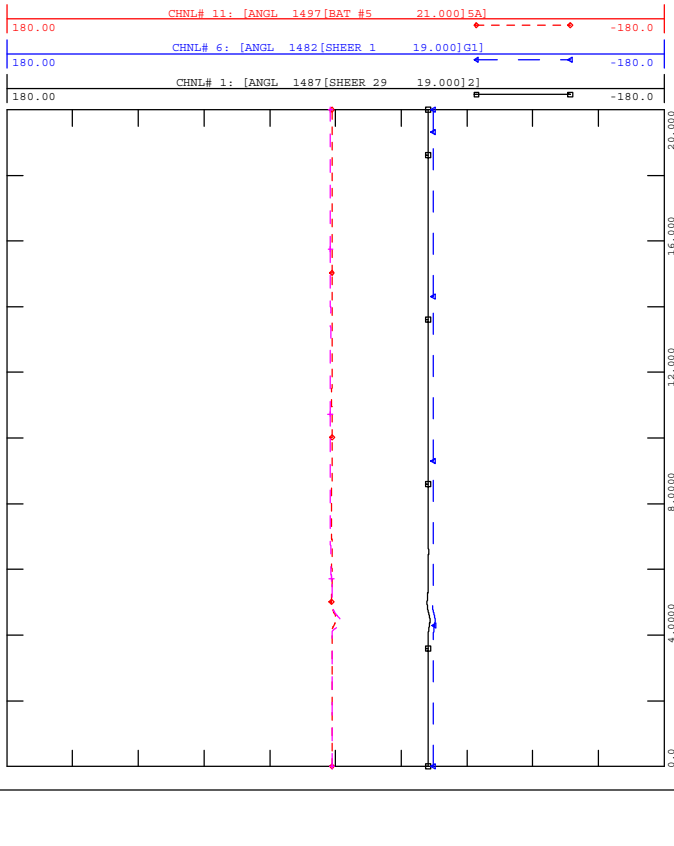


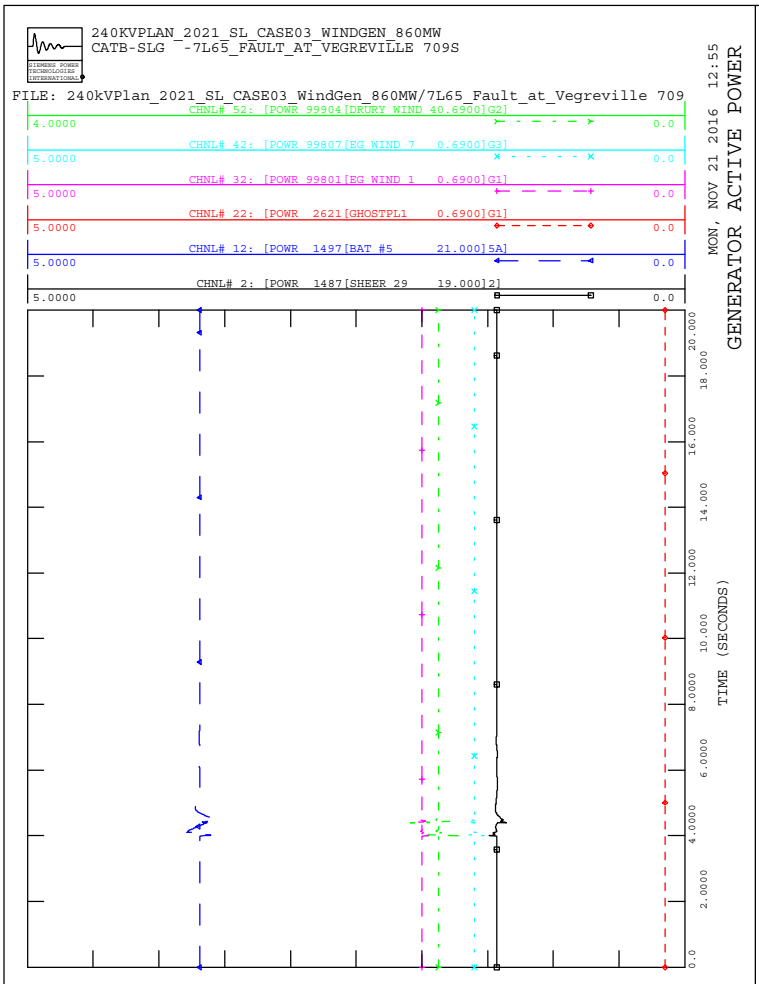
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

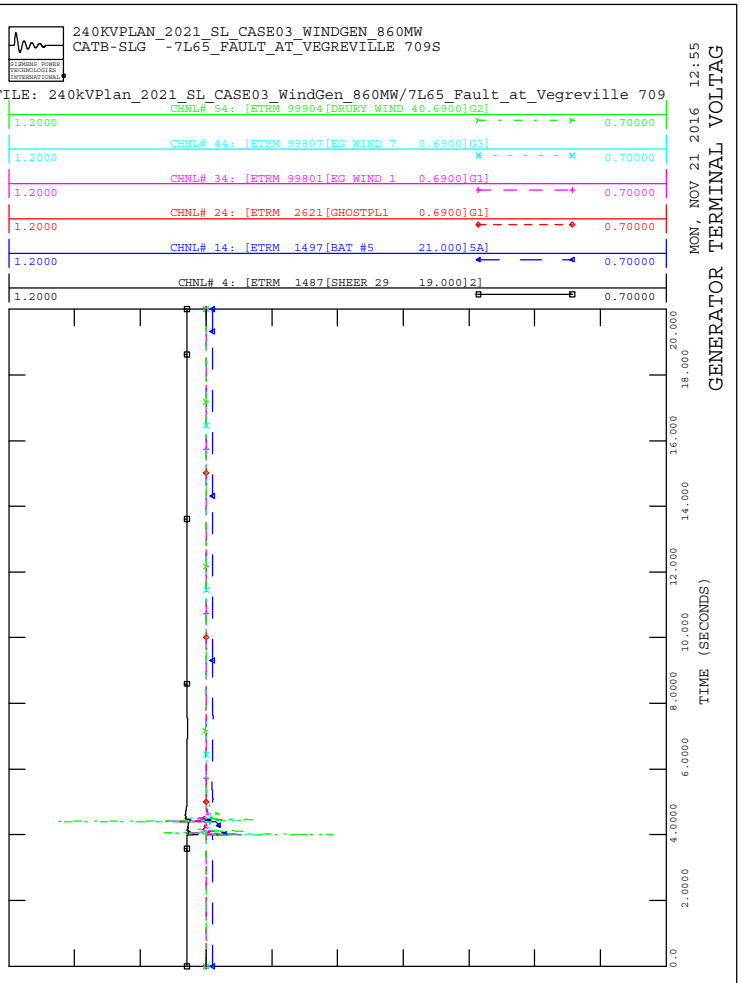
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 12:55

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
4.0000
5.0000
5.0000
5.0000
5.0000
0.0
0.0
0.0
0.0
0.0
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
1.2000
1.2000
1.2000
1.2000
1.2000
0.70000
0.70000
0.70000
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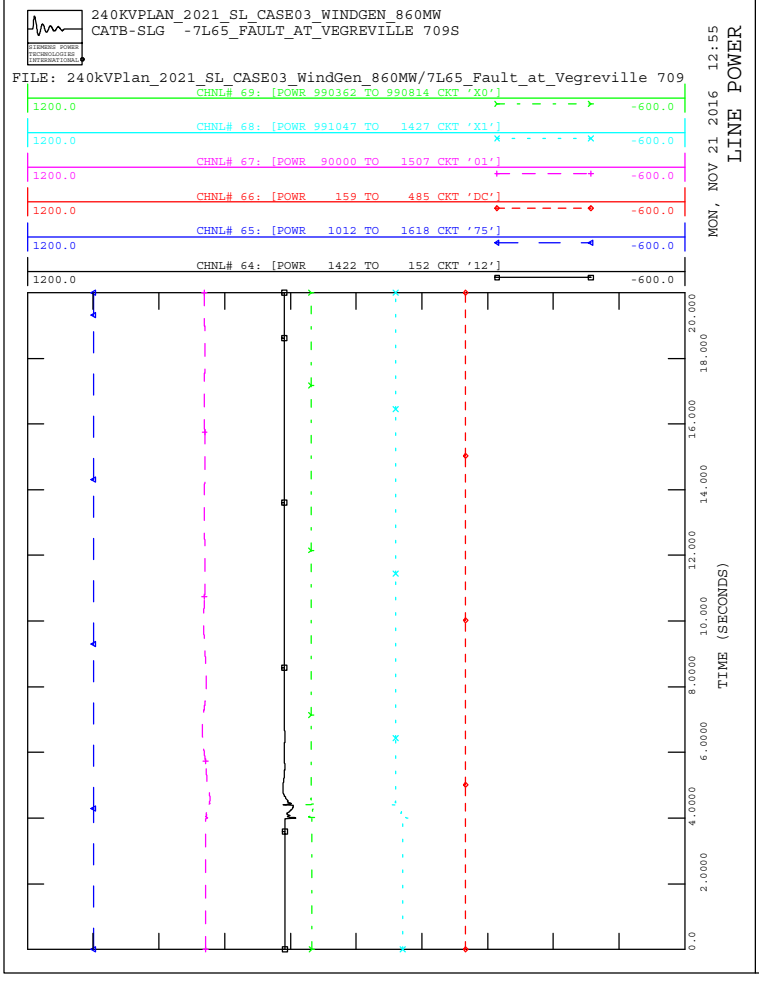
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
1200.0
1200.0
1200.0
1200.0
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-600.0
-600.0
-600.0
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-600.0
-600.0
0.0
2.0000
4.0000
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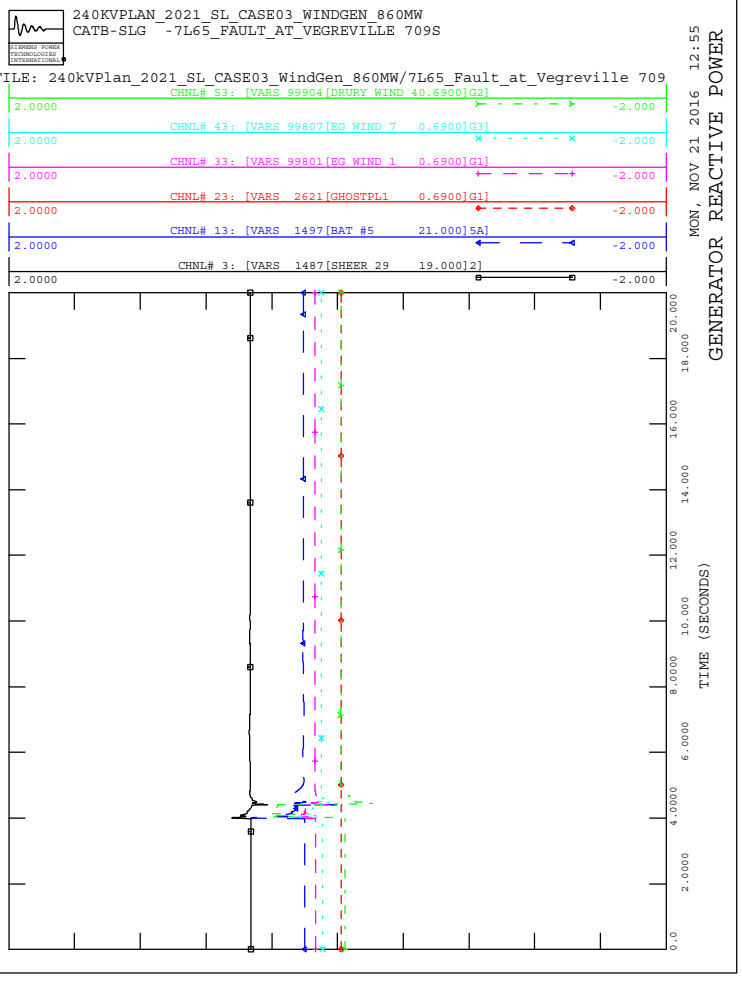
TIME (SECONDS)
MON, NOV 21 2016 12:55
LINE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
2.0000
2.0000
2.0000
2.0000
2.0000
-2.000
-2.000
-2.000
-2.000
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-2.000
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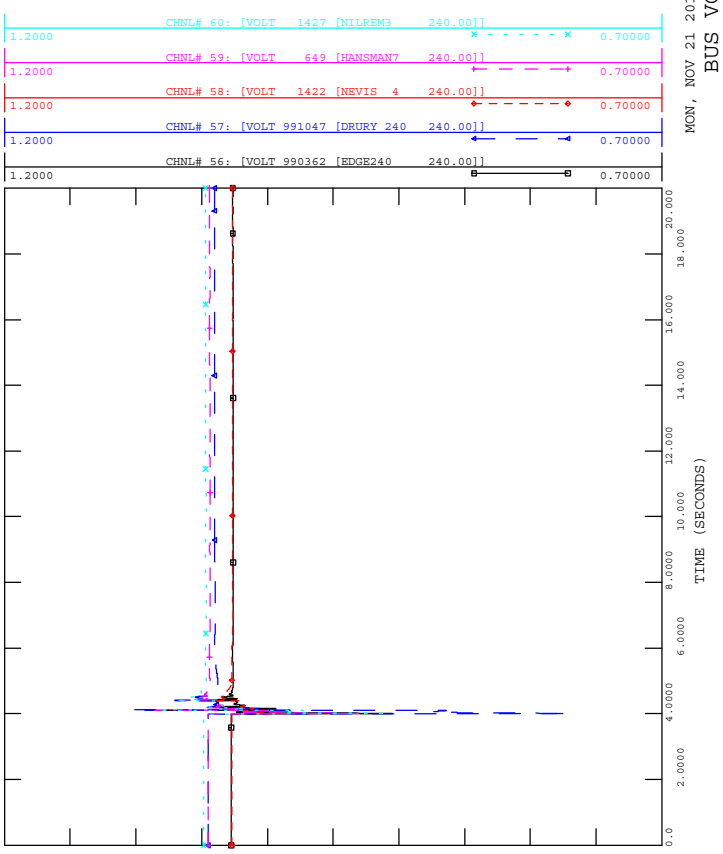
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

MON, NOV 21 2016 12:55

BUS VOLTAGE

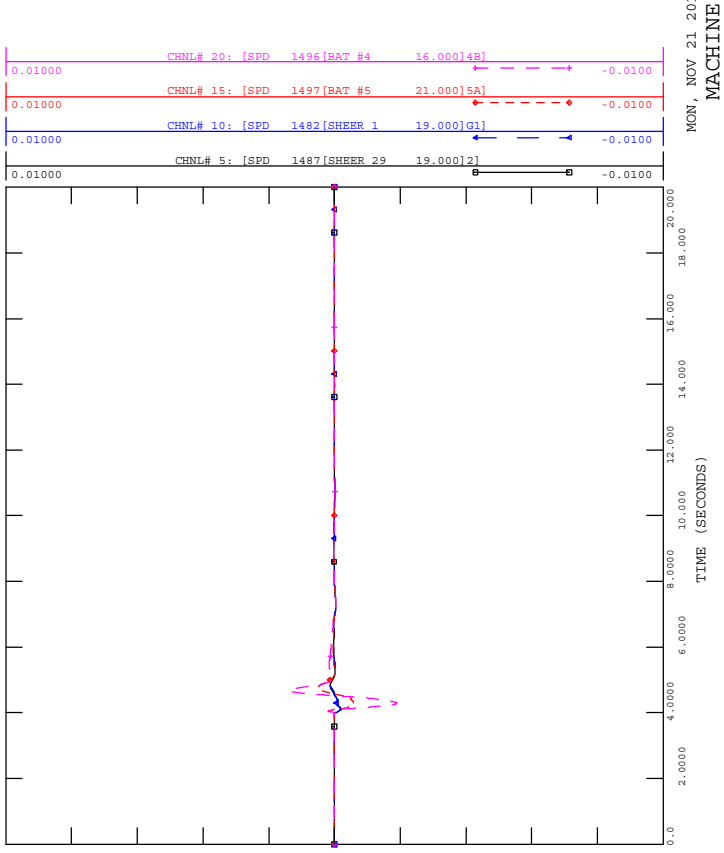


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

MON, NOV 21 2016 12:55

MACHINE SPEED

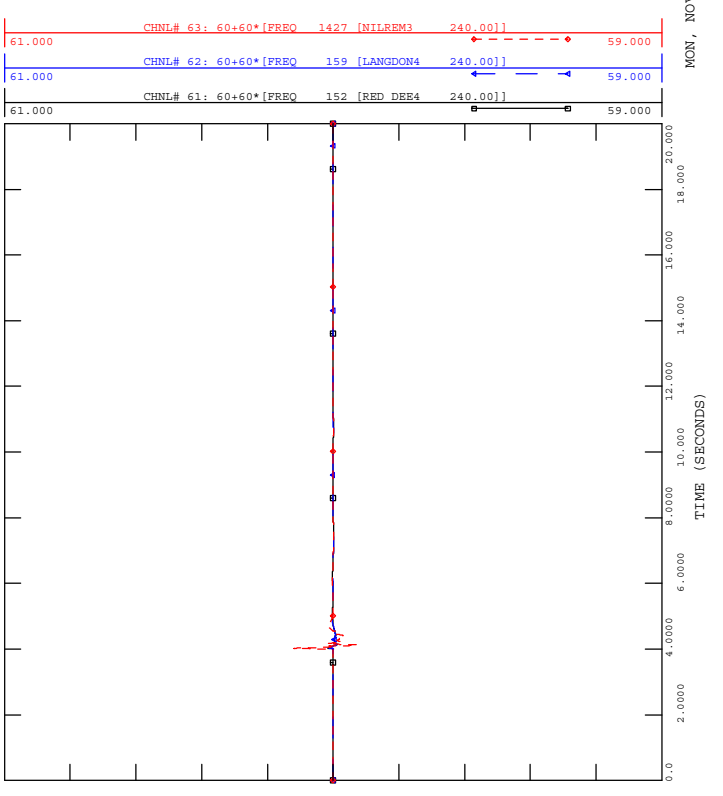


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

MON, NOV 21 2016 12:55

FREQUENCY

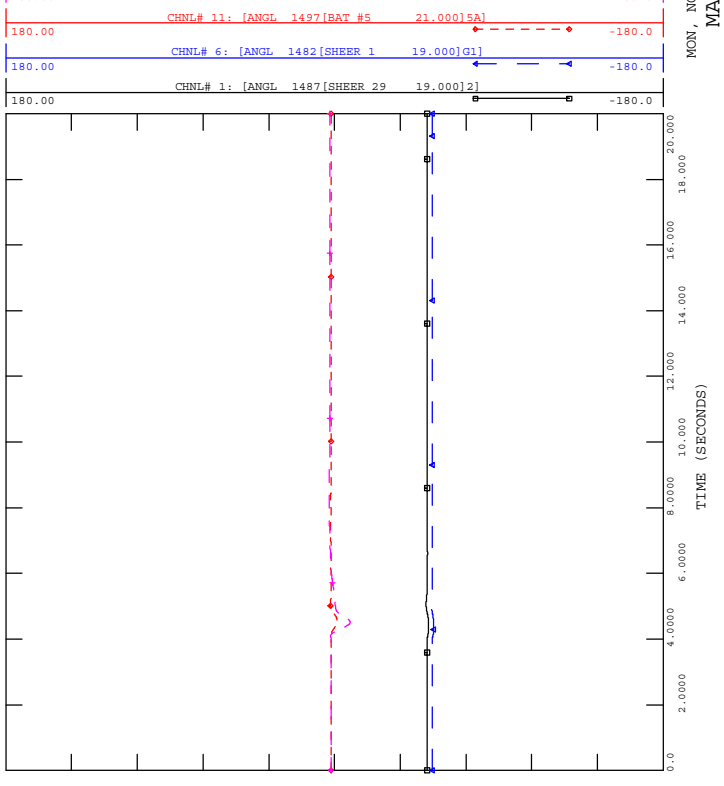


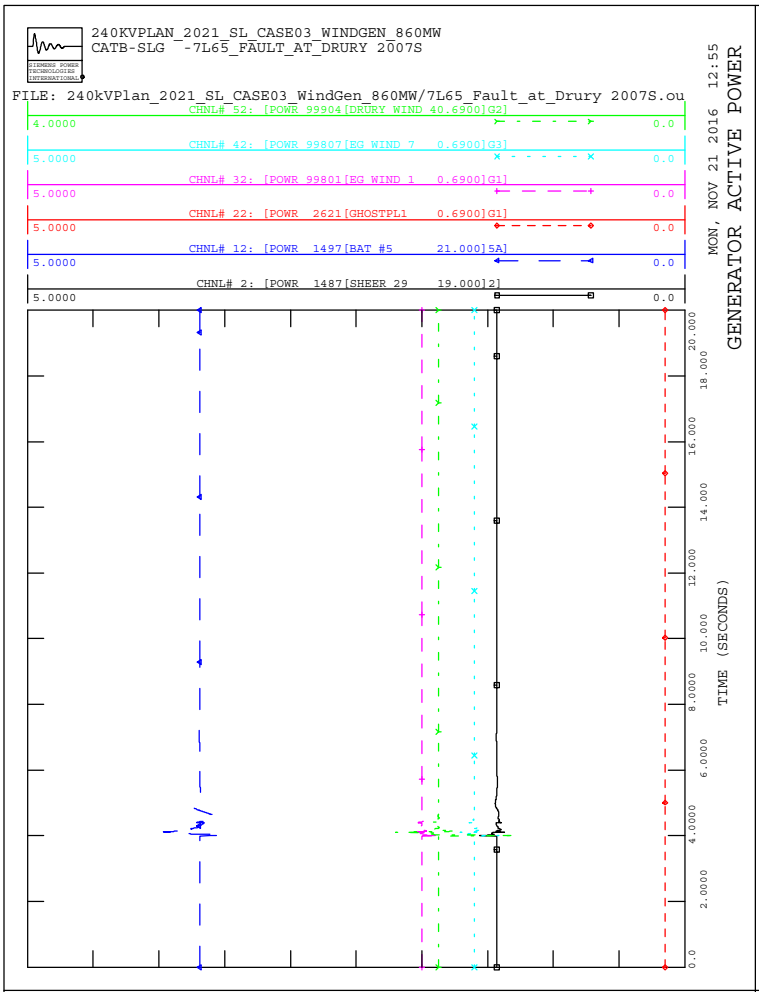
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

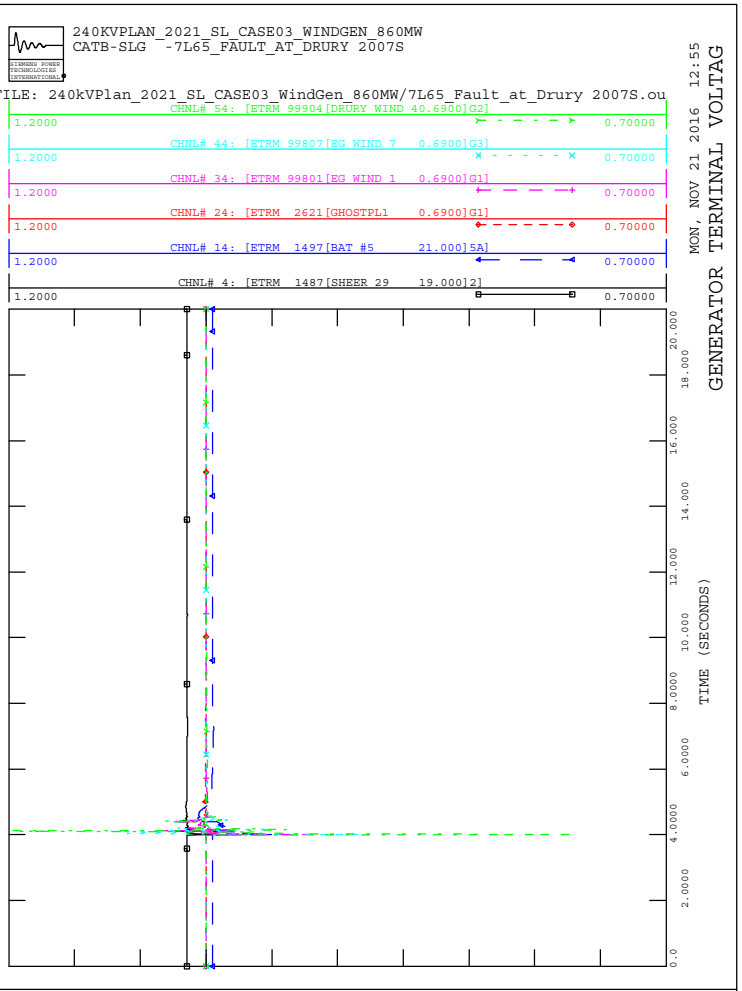
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou

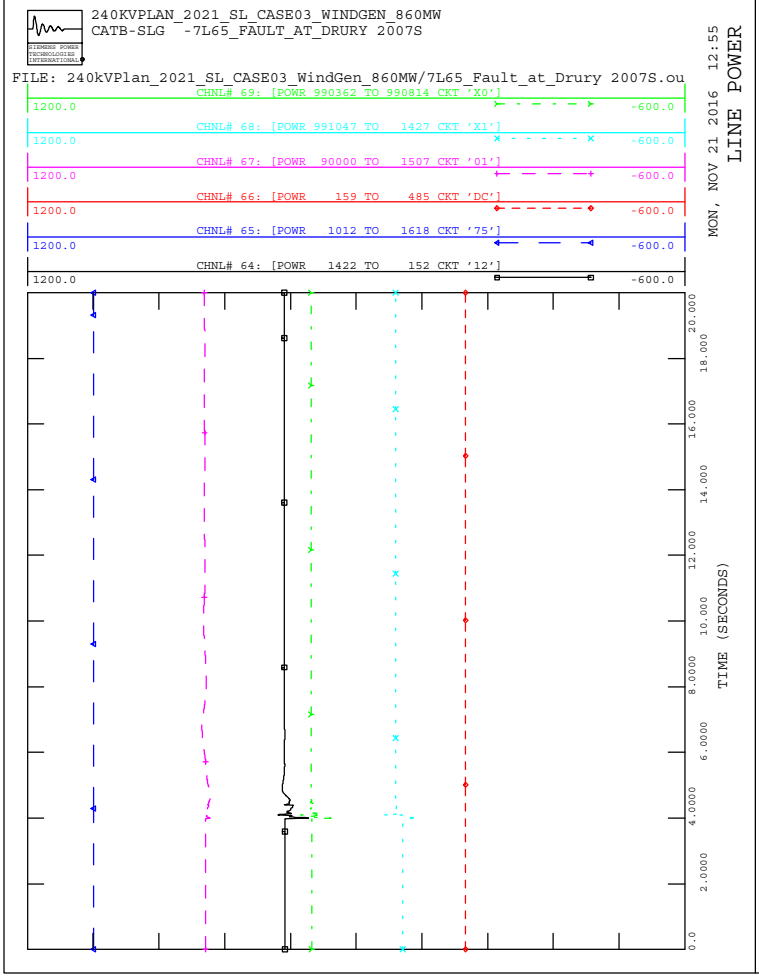
MON, NOV 21 2016 12:55

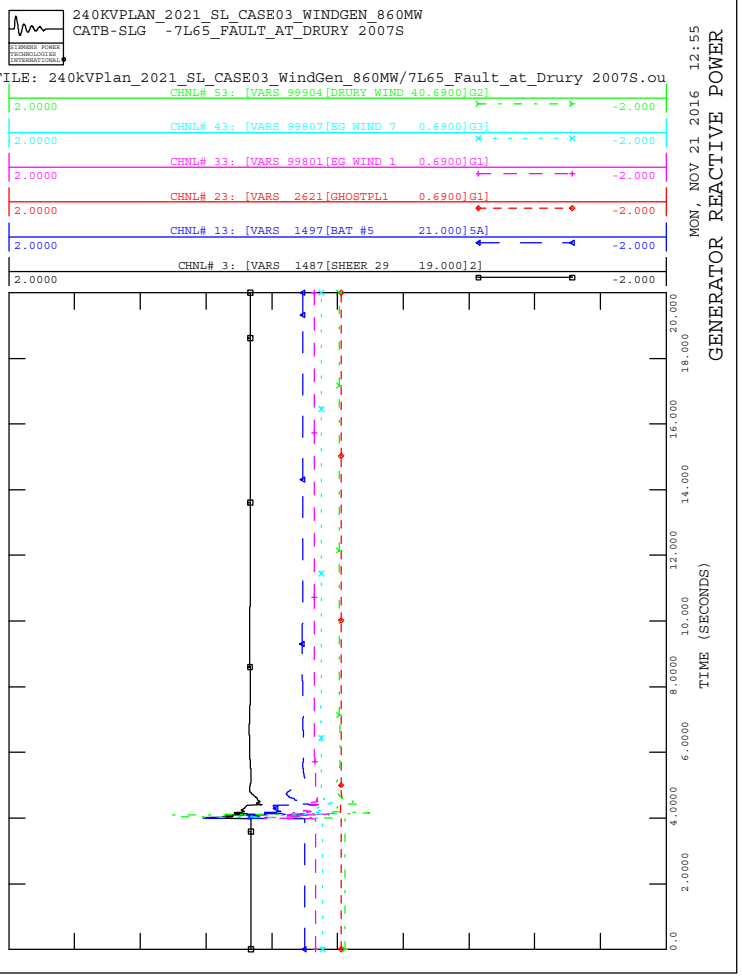
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

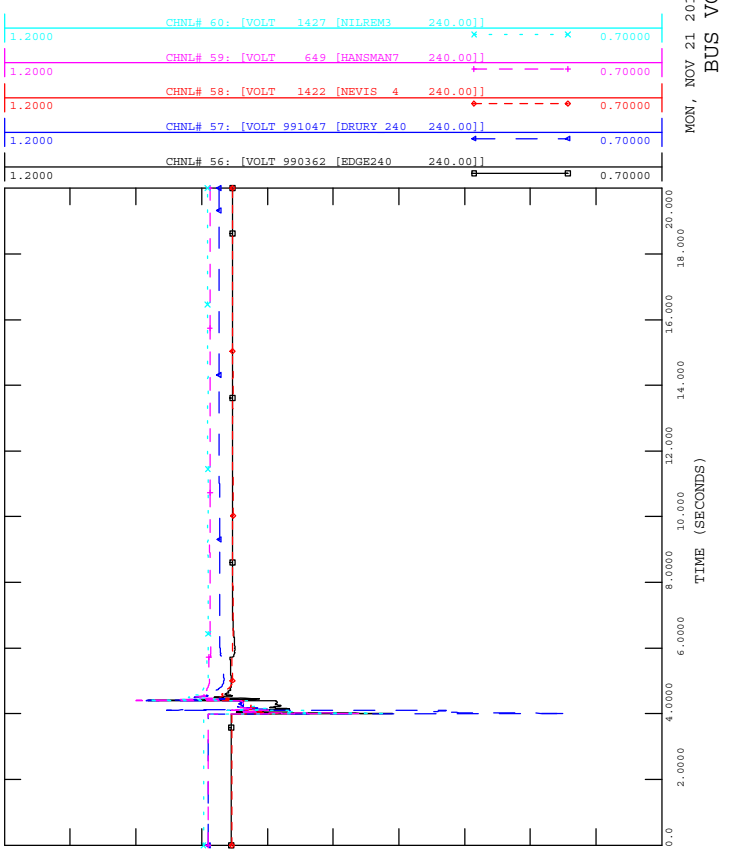

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Drury 2007S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

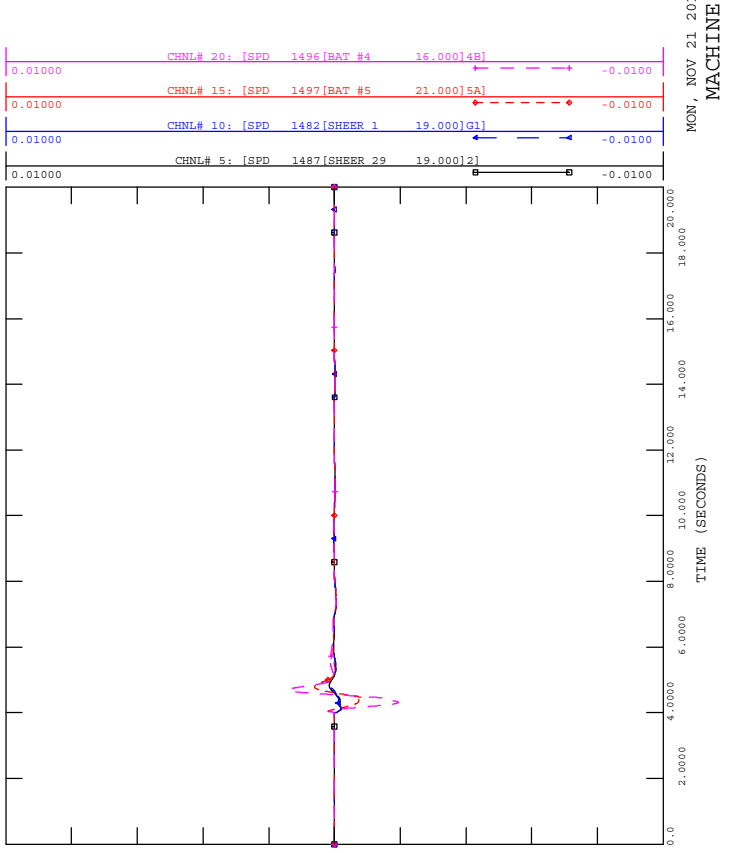


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Drury 2007S.o

MON, NOV 21 2016 12:55

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Drury 2007S.o

MON, NOV 21 2016 12:55

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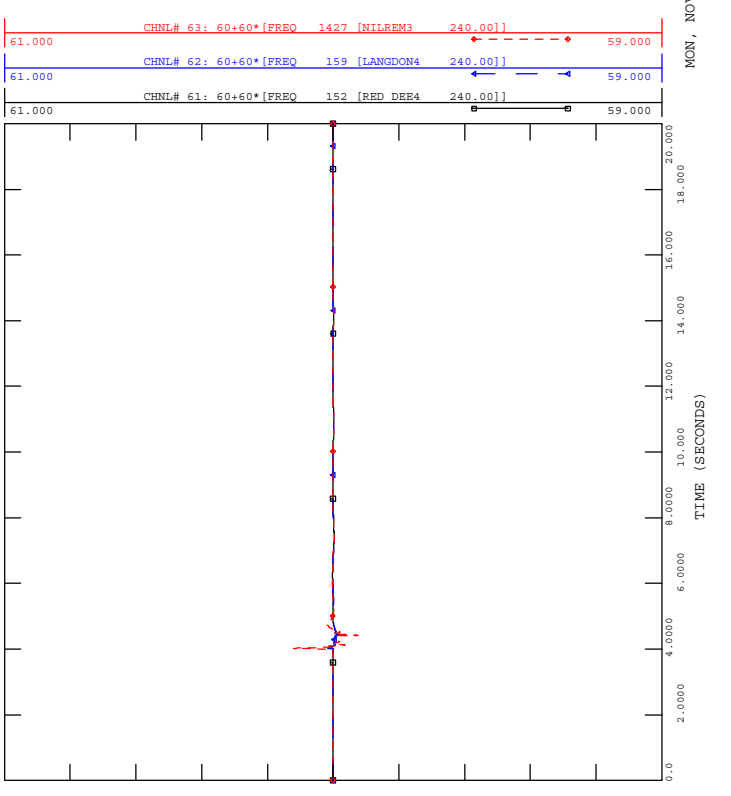
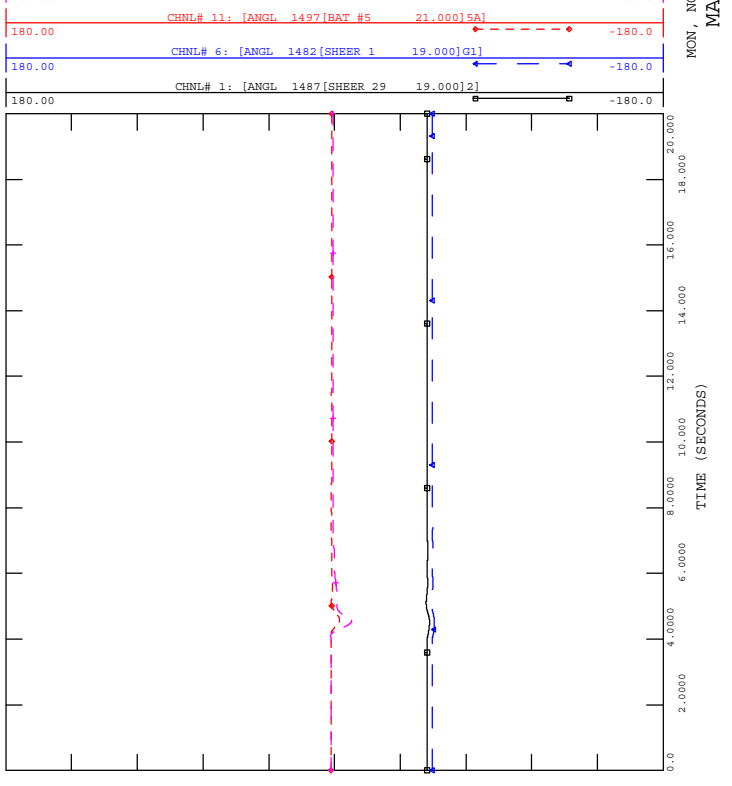


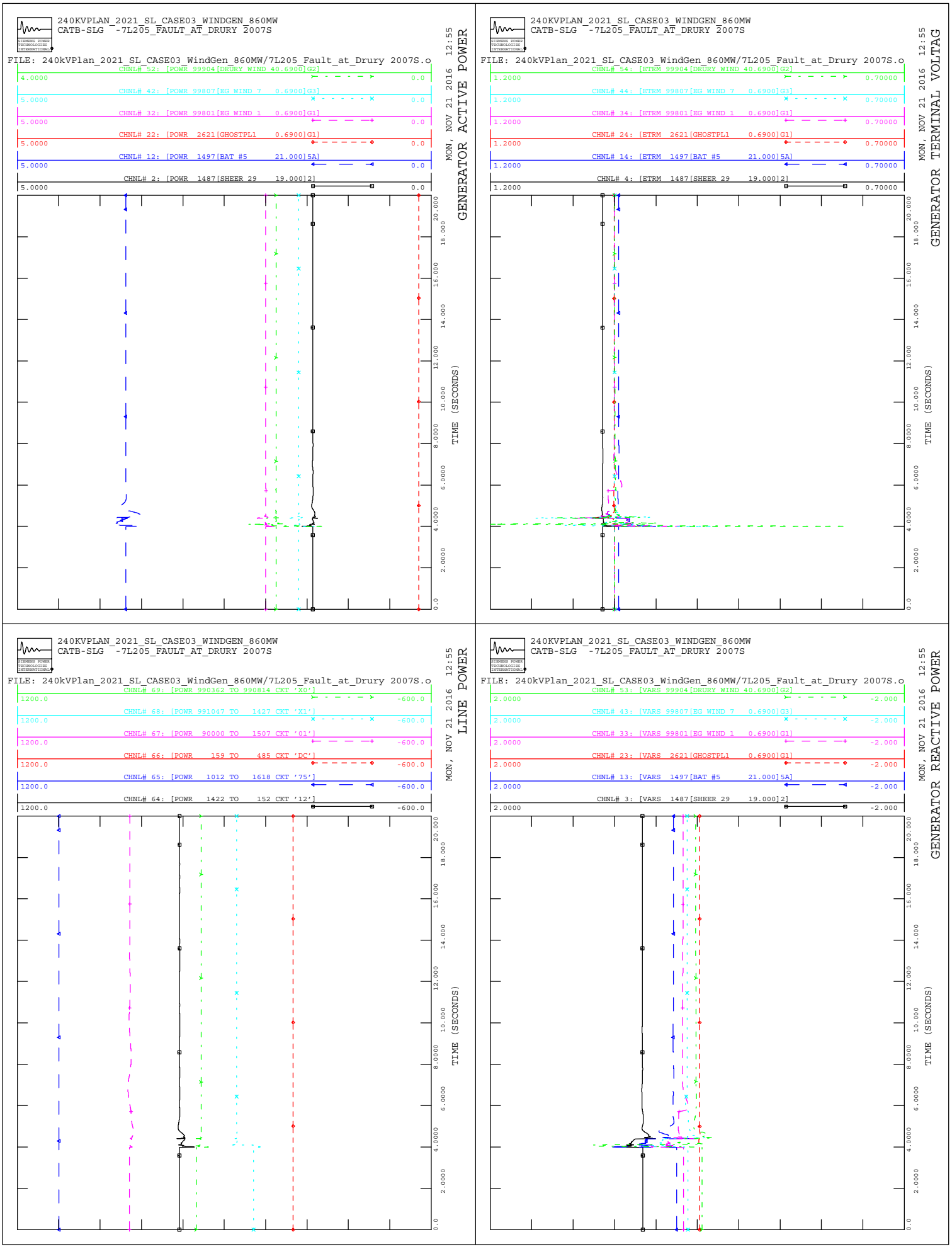
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Drury 2007S.o

MON, NOV 21 2016 12:55

MACHINE ANGEL



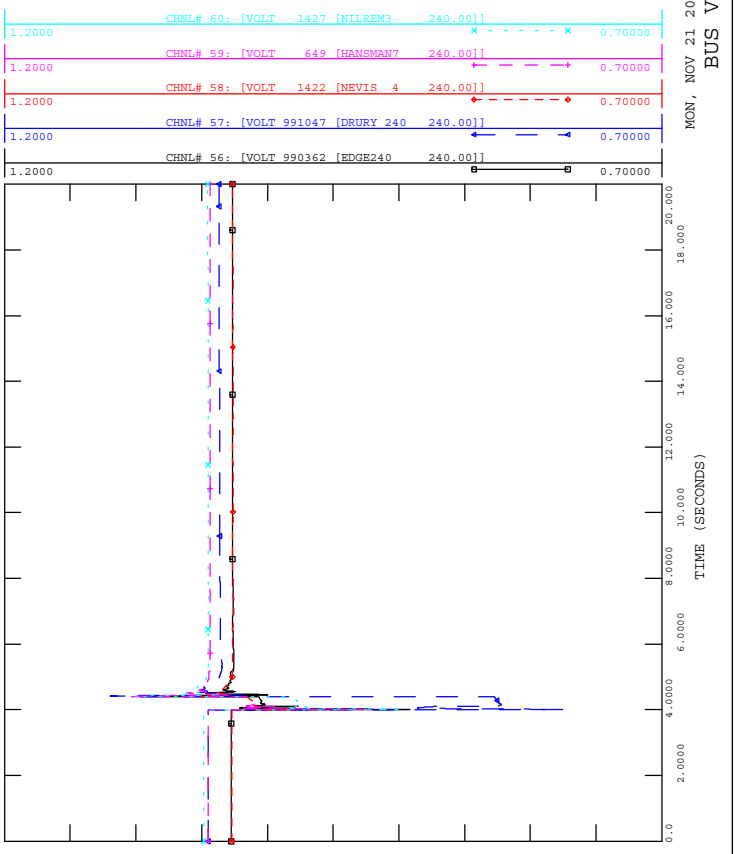

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Drury 2007S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71

MON, NOV 21 2016 12:55

BUS VOLTAGE

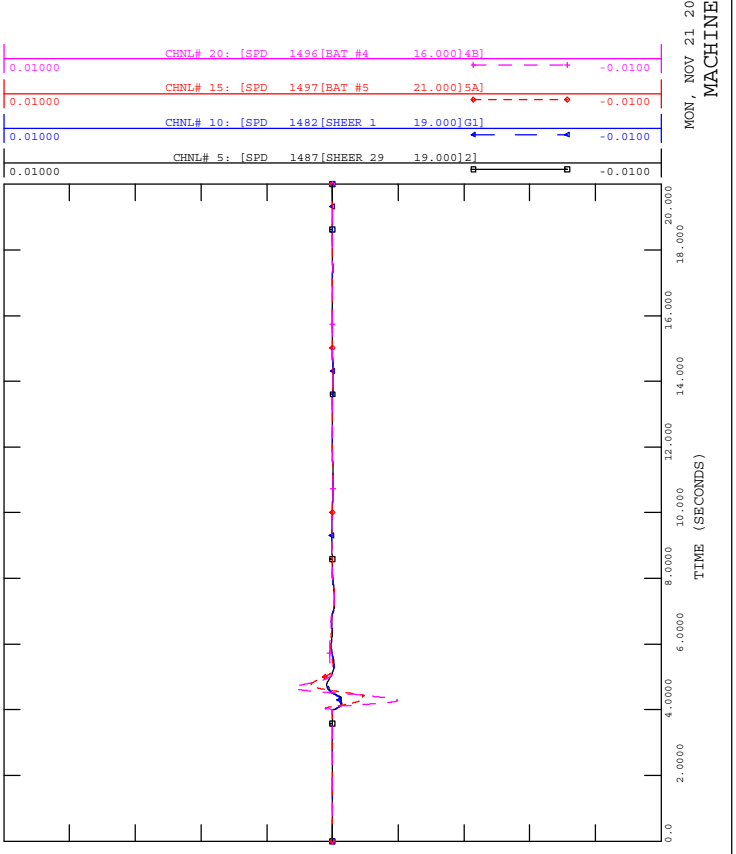


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71

MON, NOV 21 2016 12:55

MACHINE SPEED

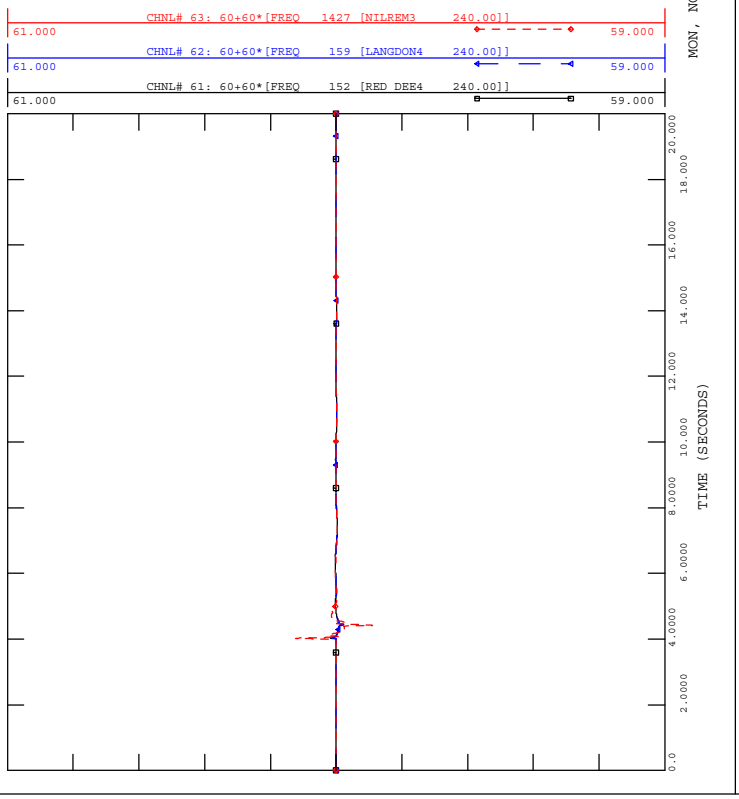


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71

MON, NOV 21 2016 12:55

FREQUENCY

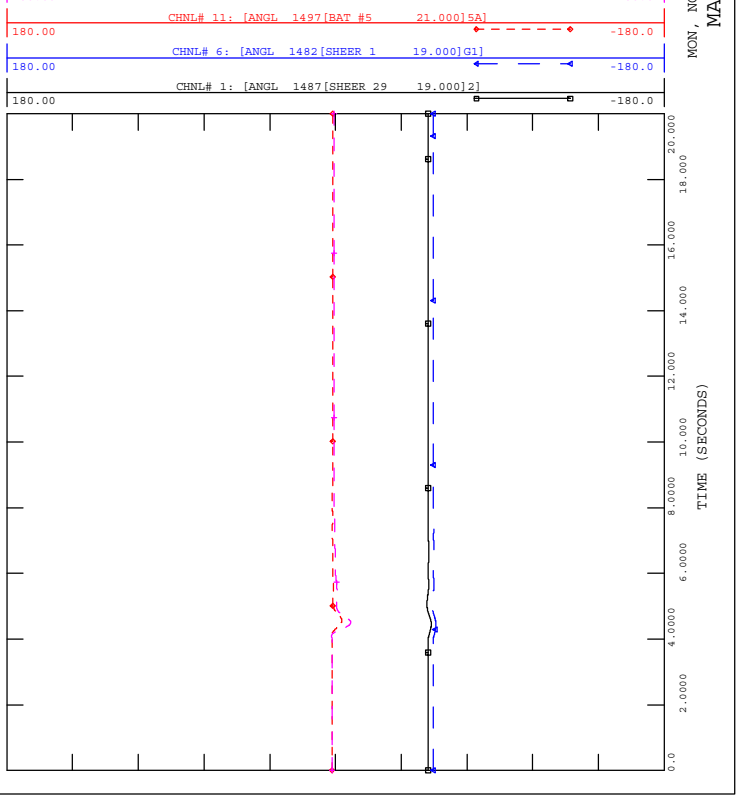


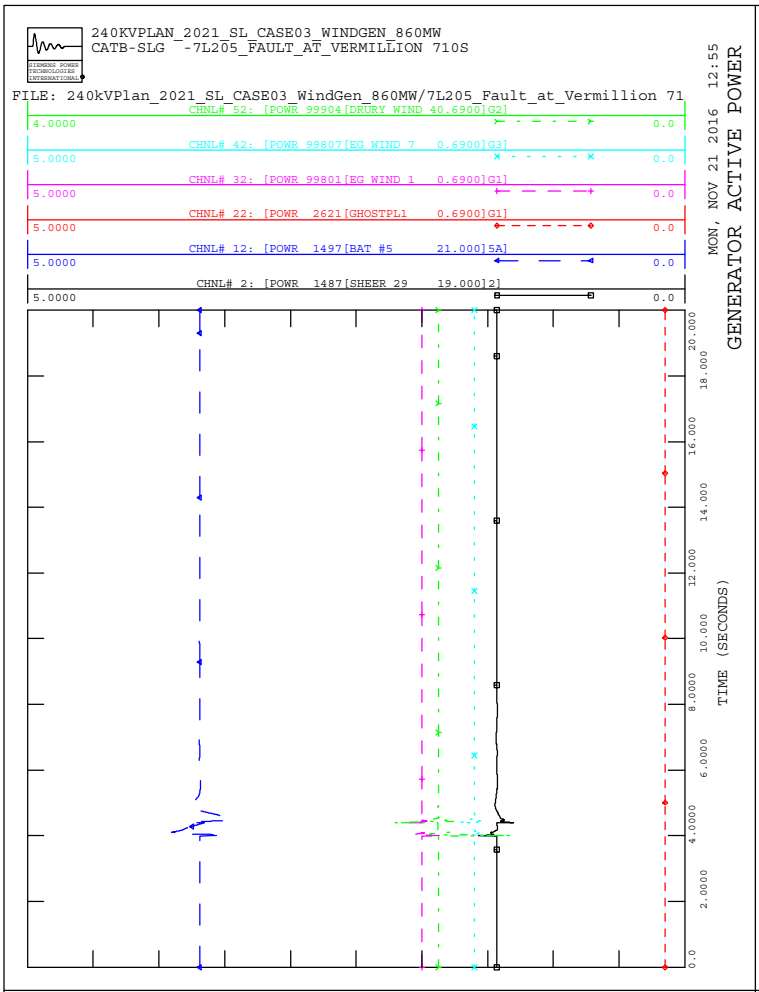
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

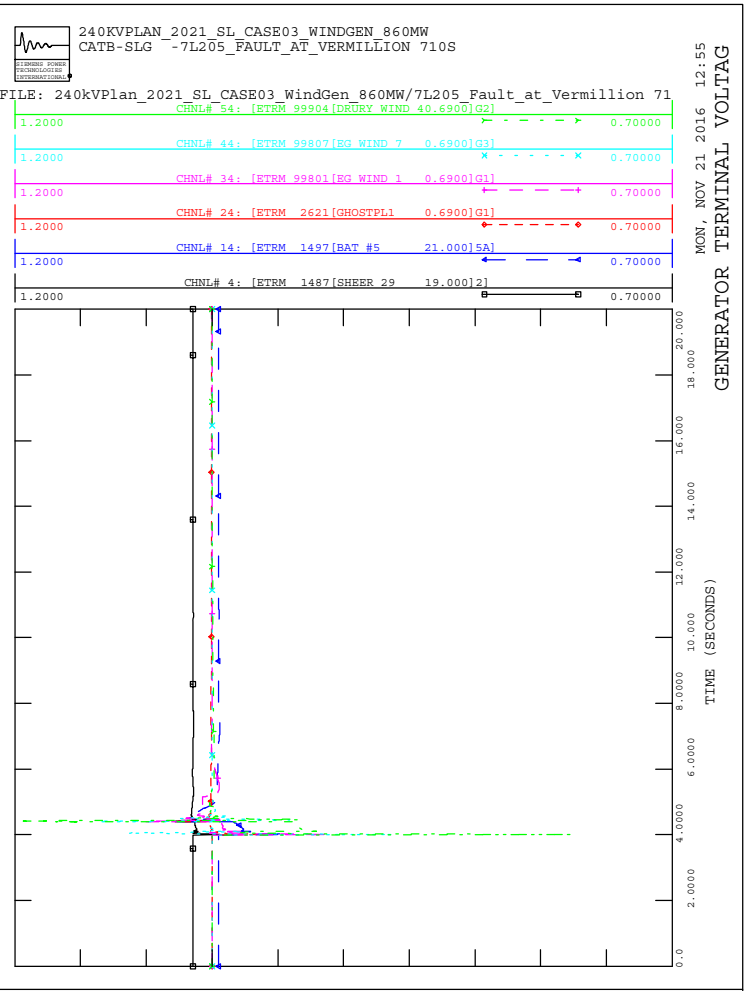
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71

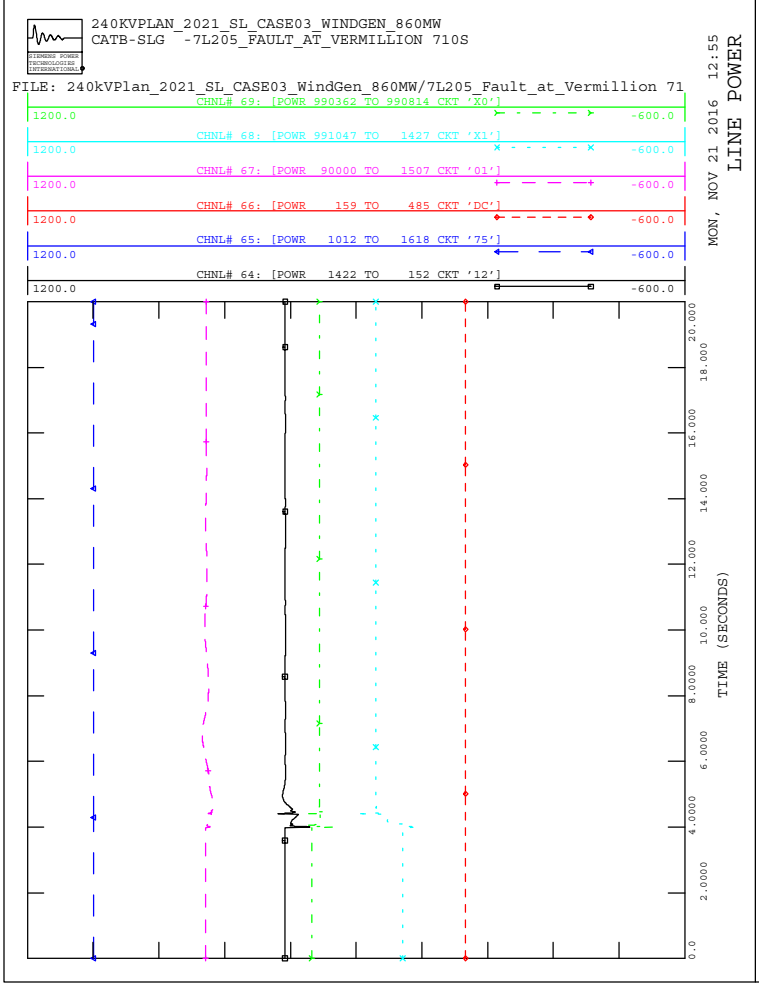
MON, NOV 21 2016 12:55

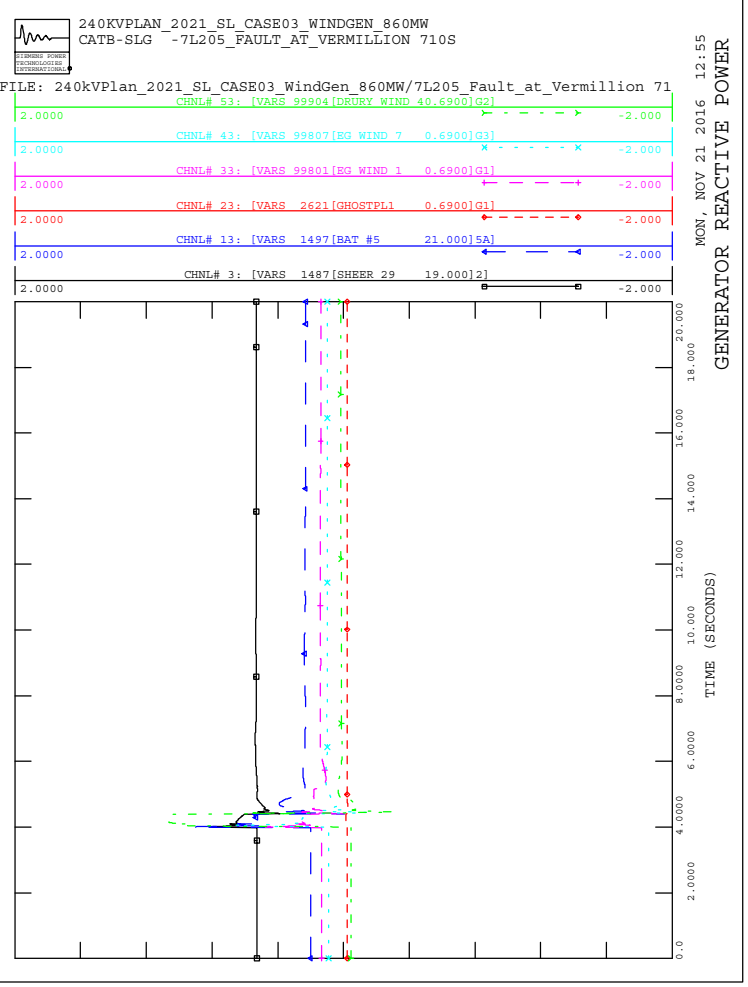
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

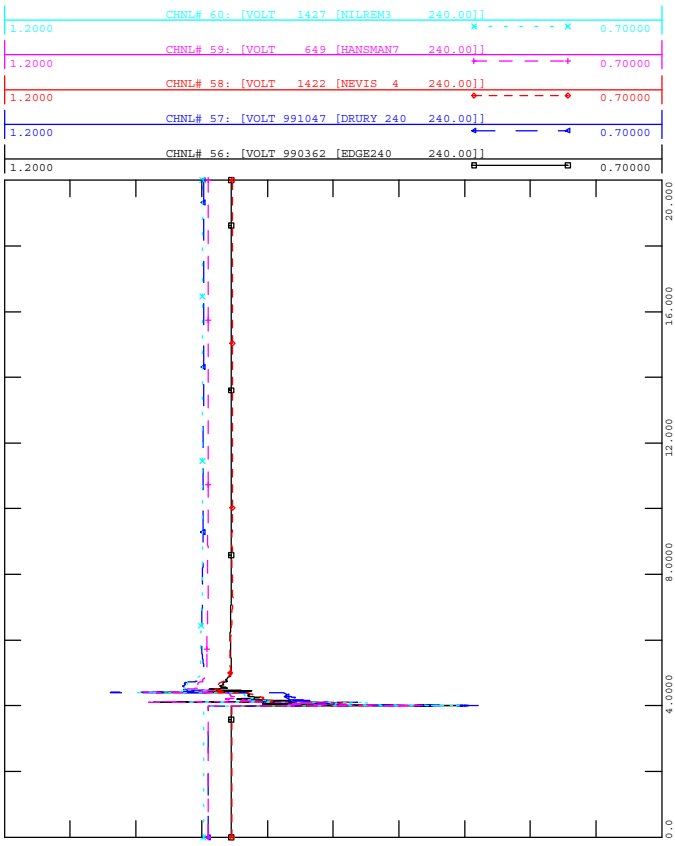

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_Fault_at_Vermillion 71
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 12:55

BUS VOLTAGE

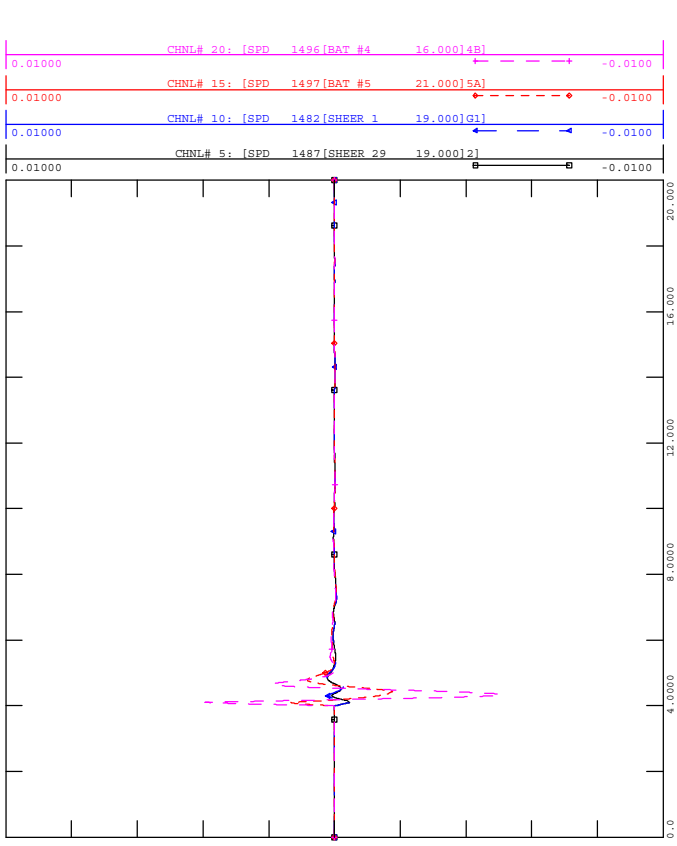


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 12:55

MACHINE SPEED

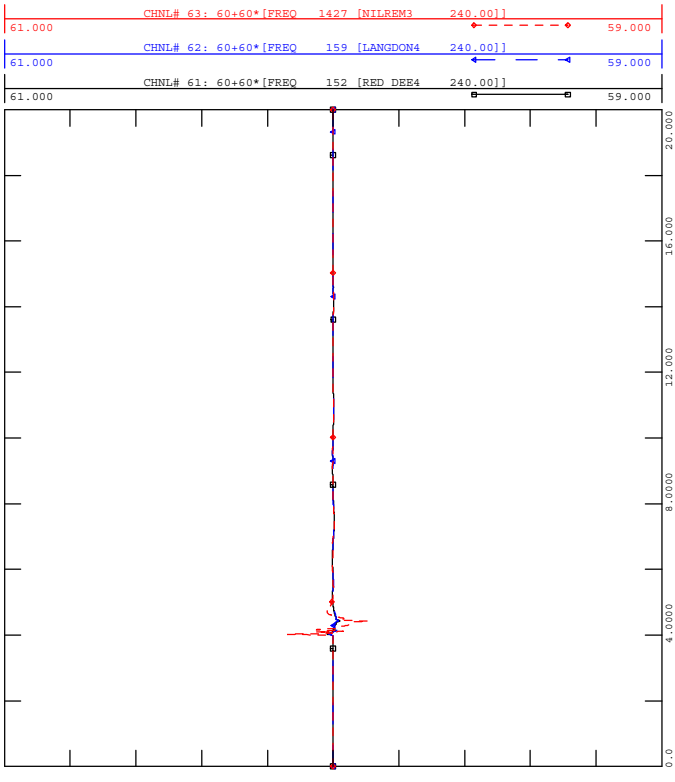


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 12:55

FREQUENCY

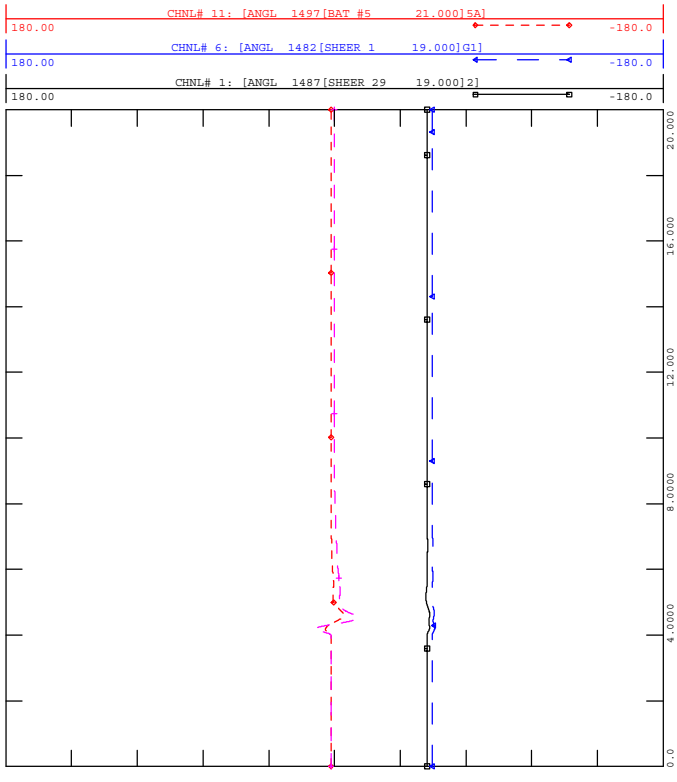


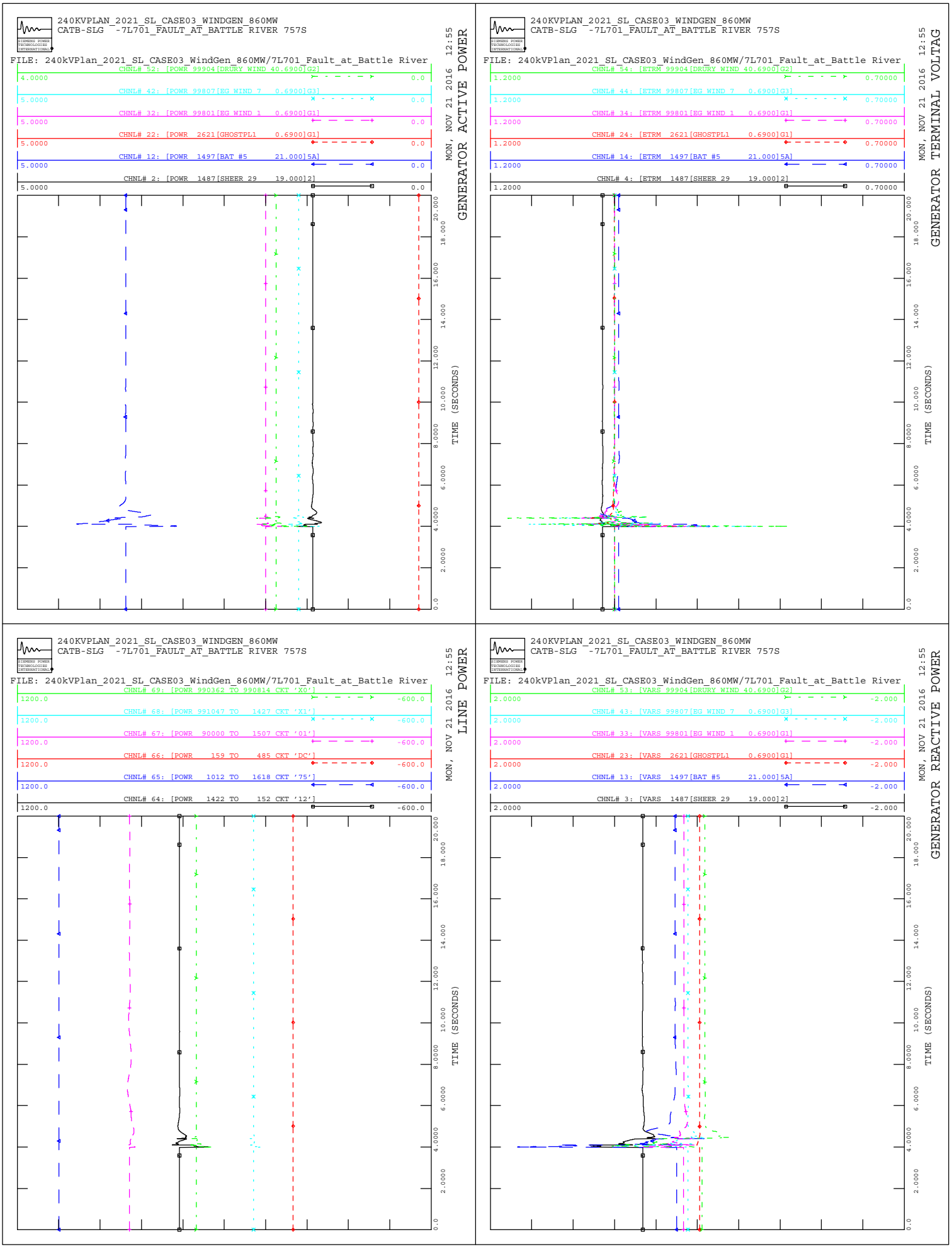
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 12:55

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Battle_River
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
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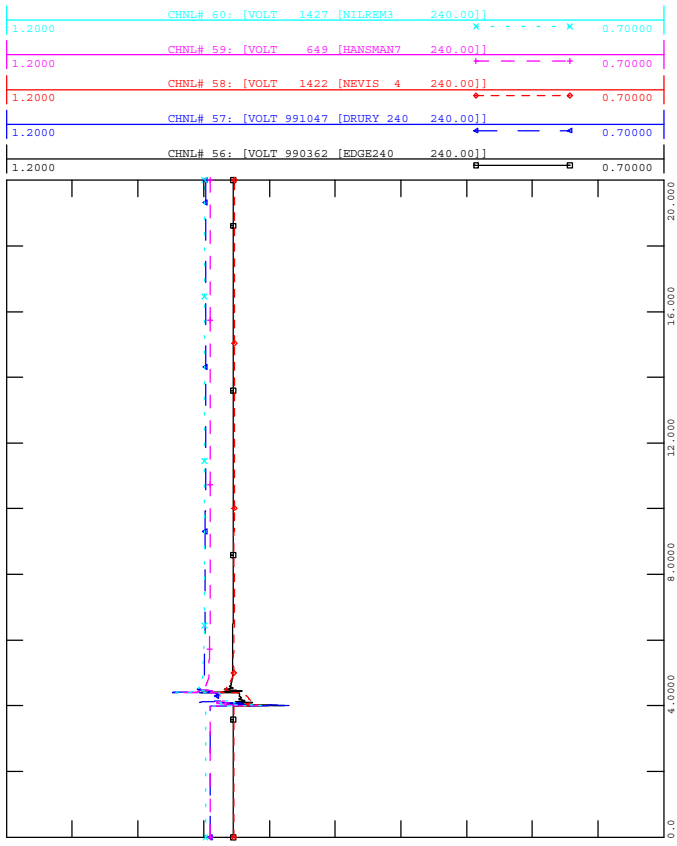
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

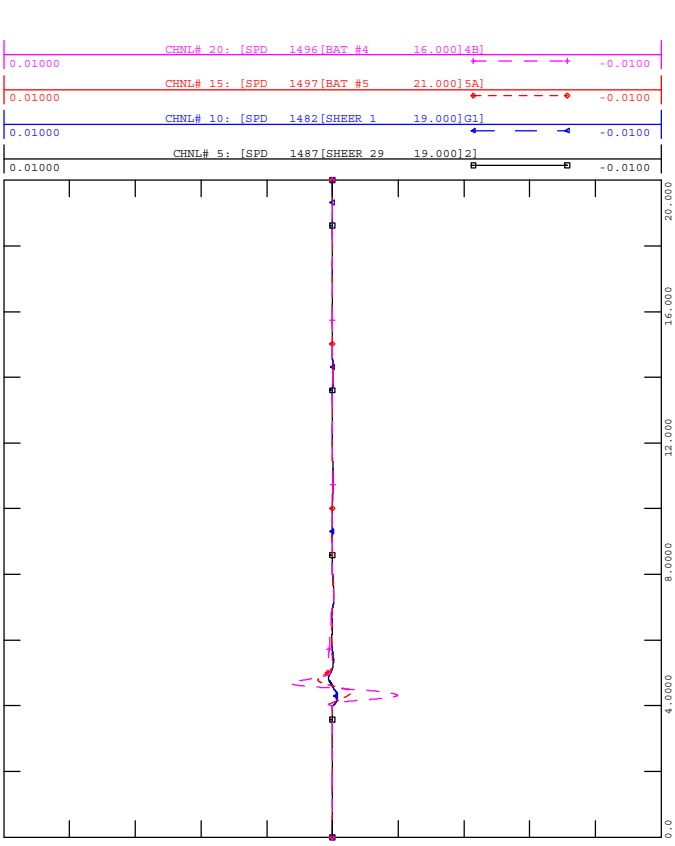


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

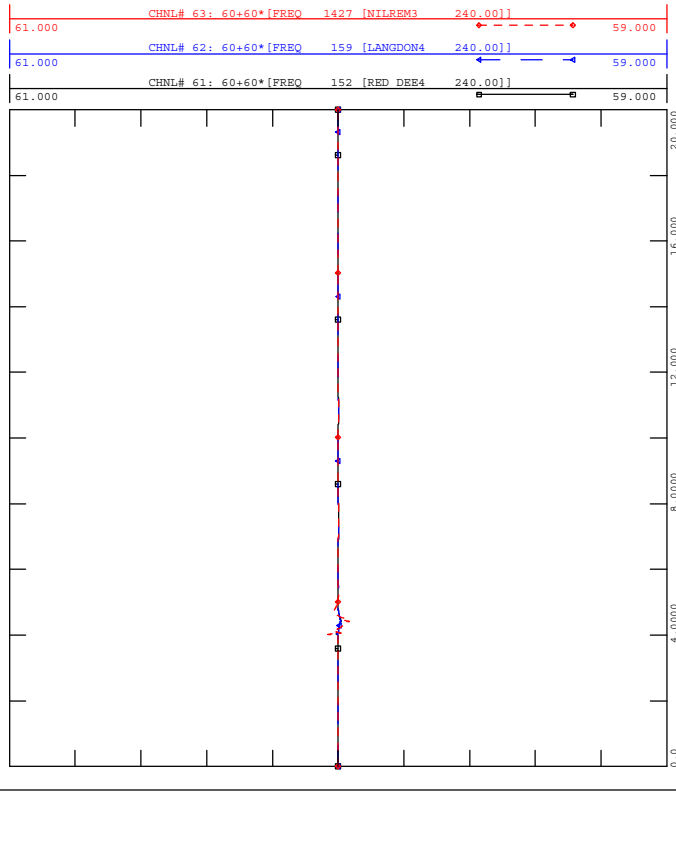


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o

MON, NOV 21 2016 12:55

FREQUENCY

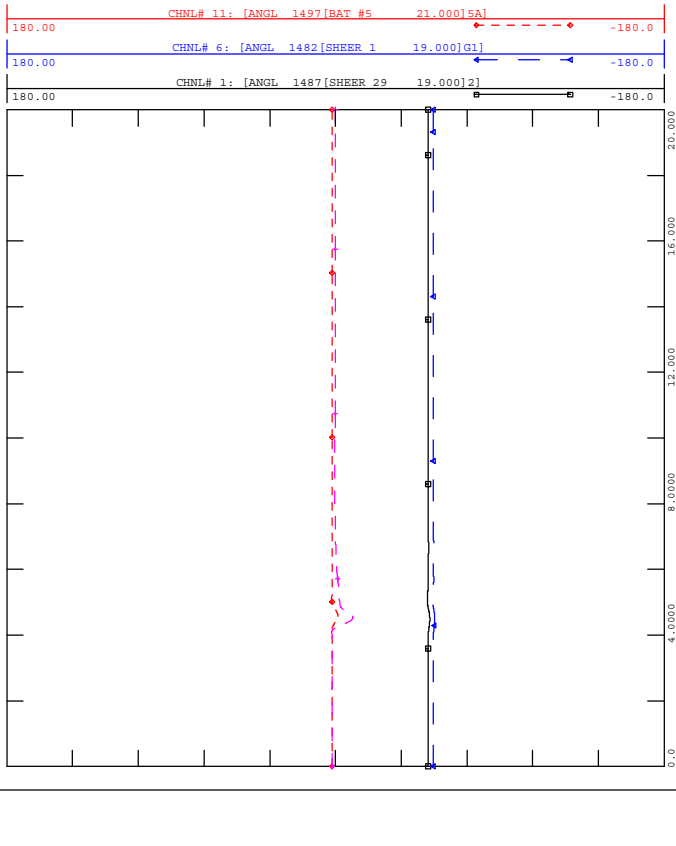


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o

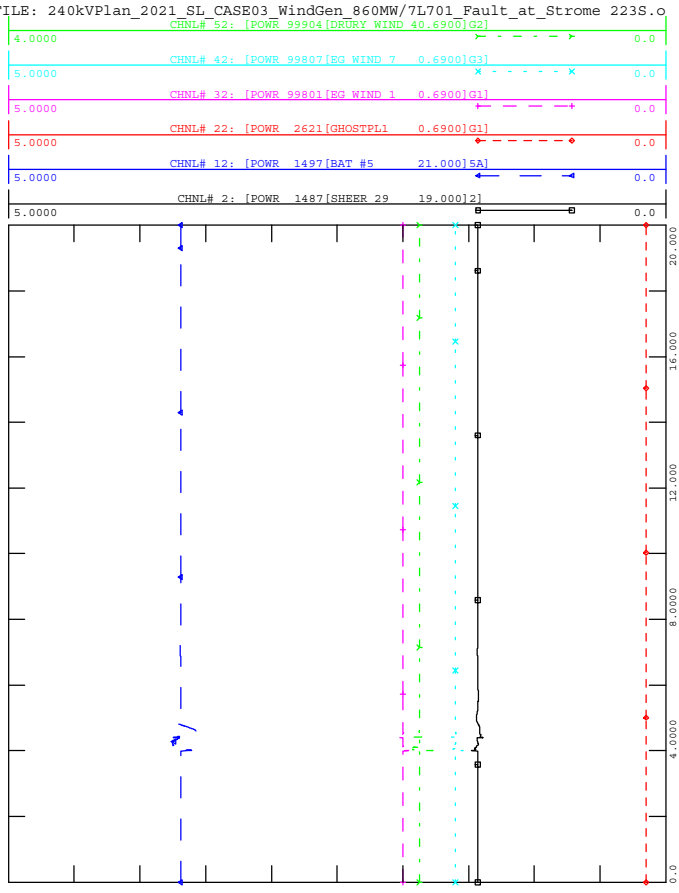
MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

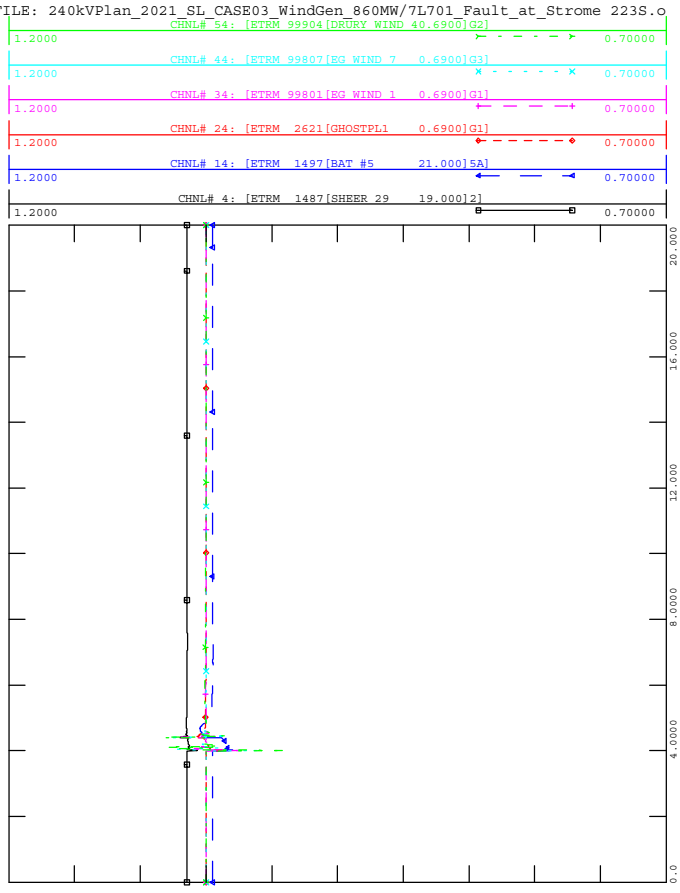
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

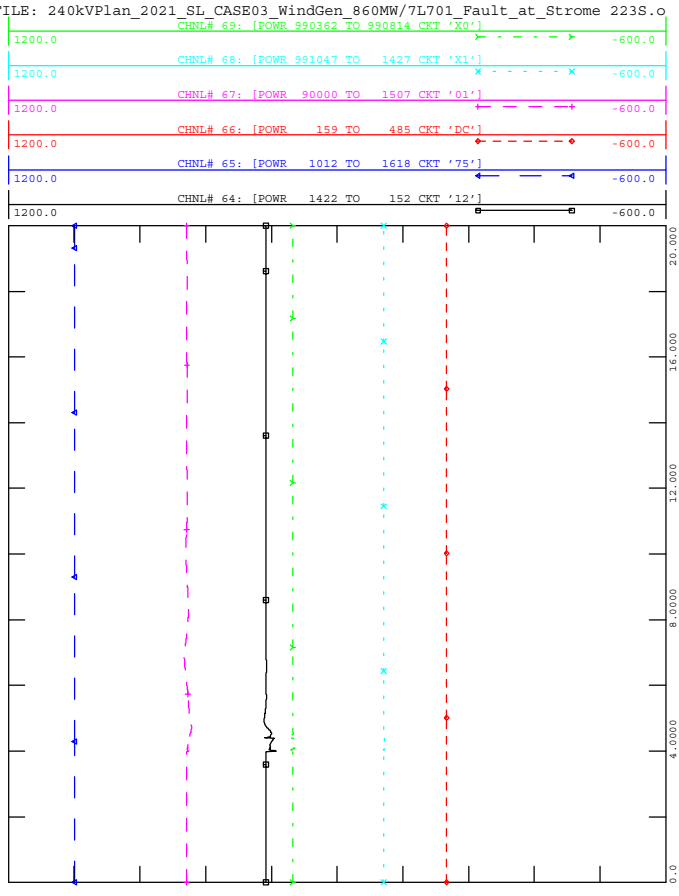
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

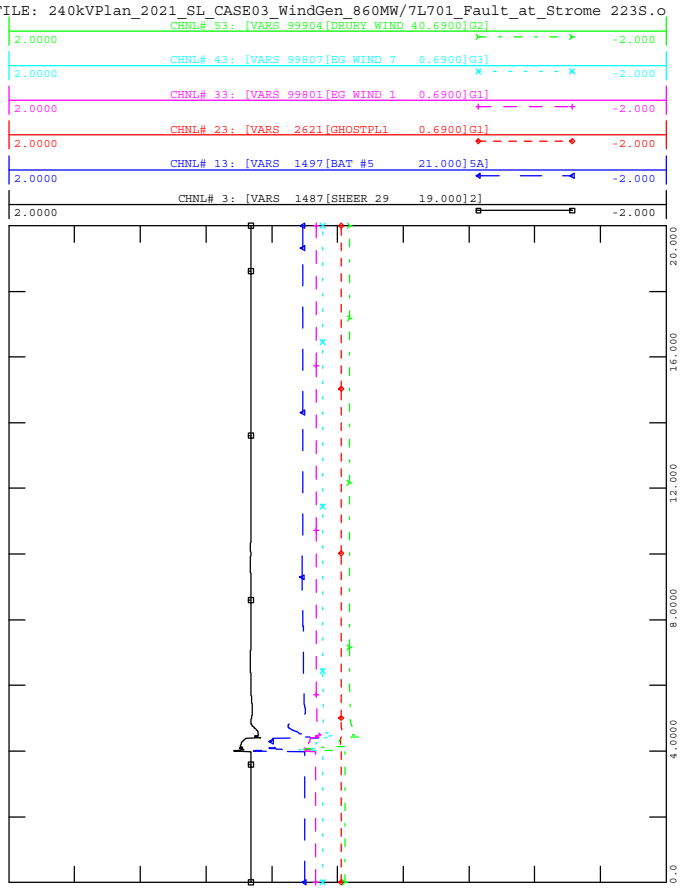
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o



LINE POWER
MON, NOV 21 2016 12:55

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L701_Fault_at_Strome 223S.o



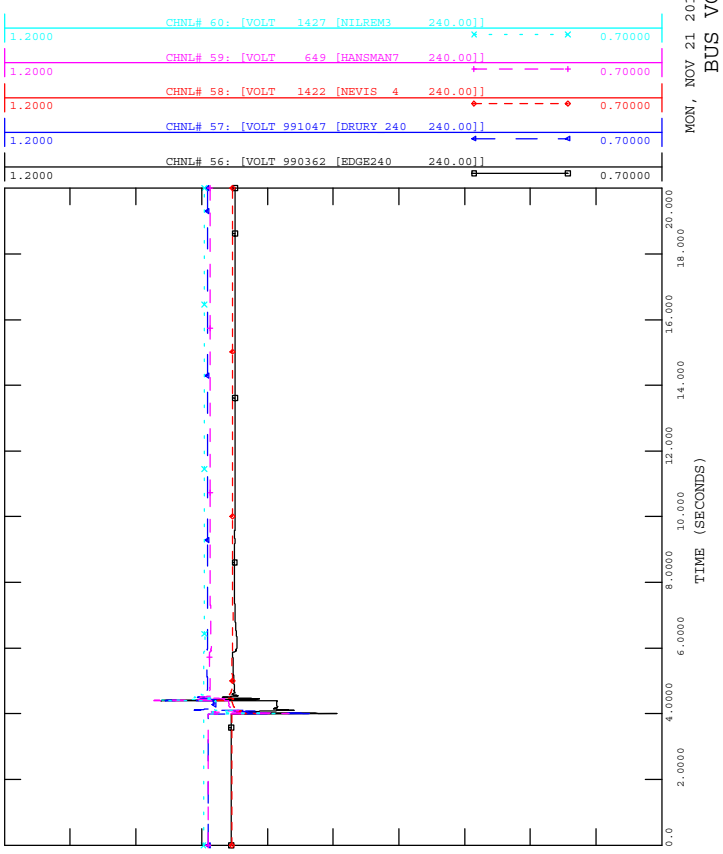
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 12:55

BUS VOLTAGE

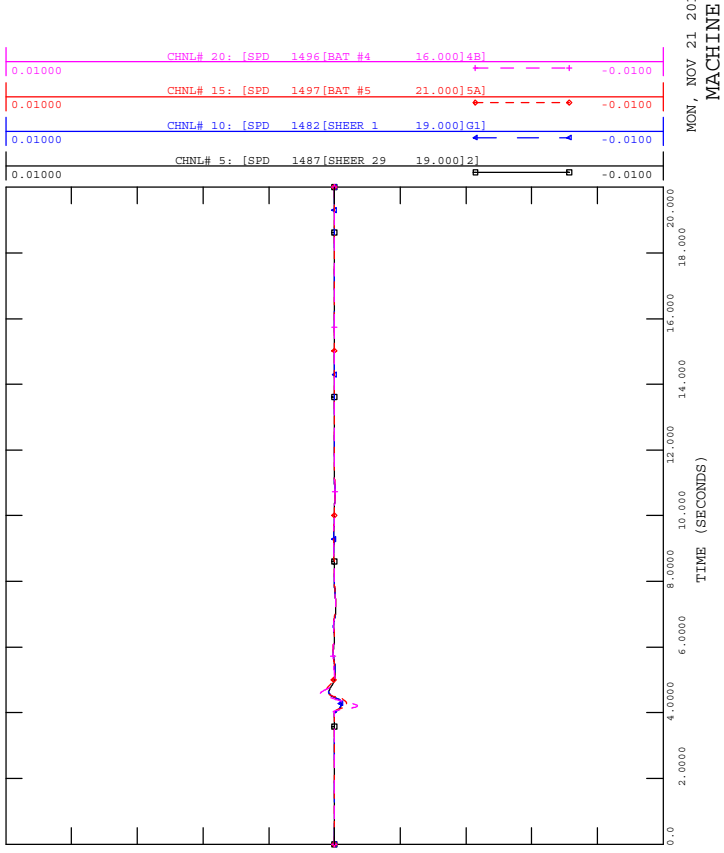


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 12:55

MACHINE SPEED

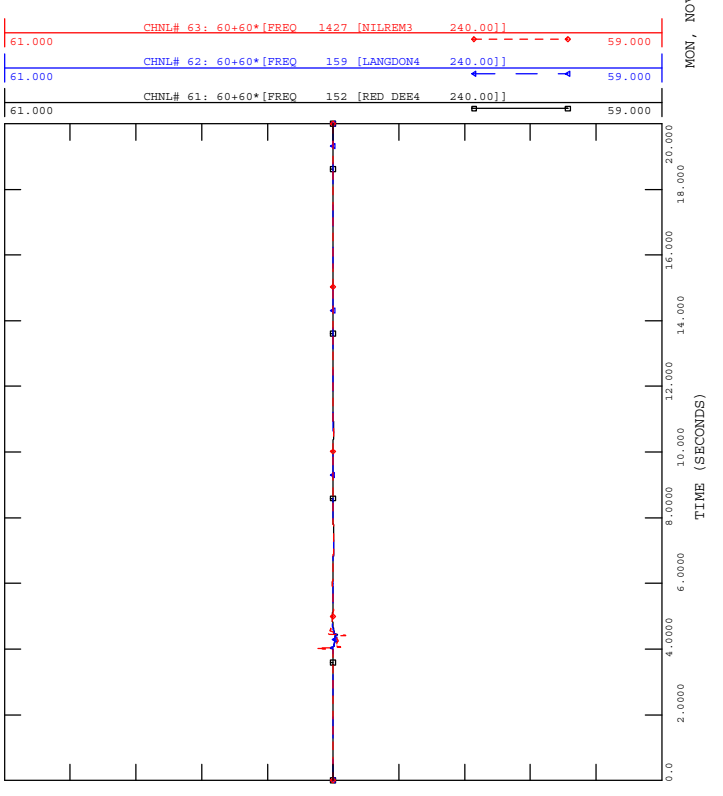


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 12:55

FREQUENCY

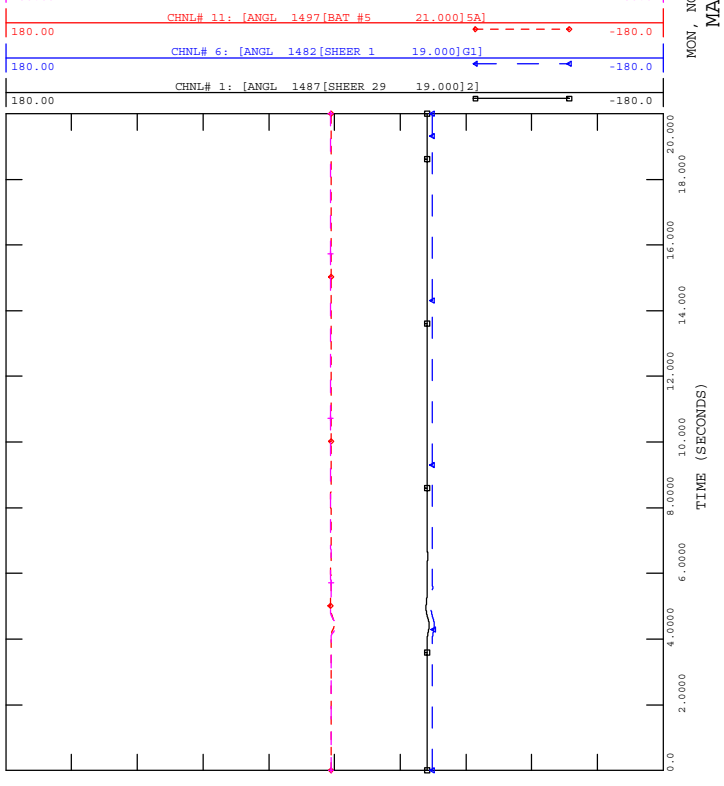


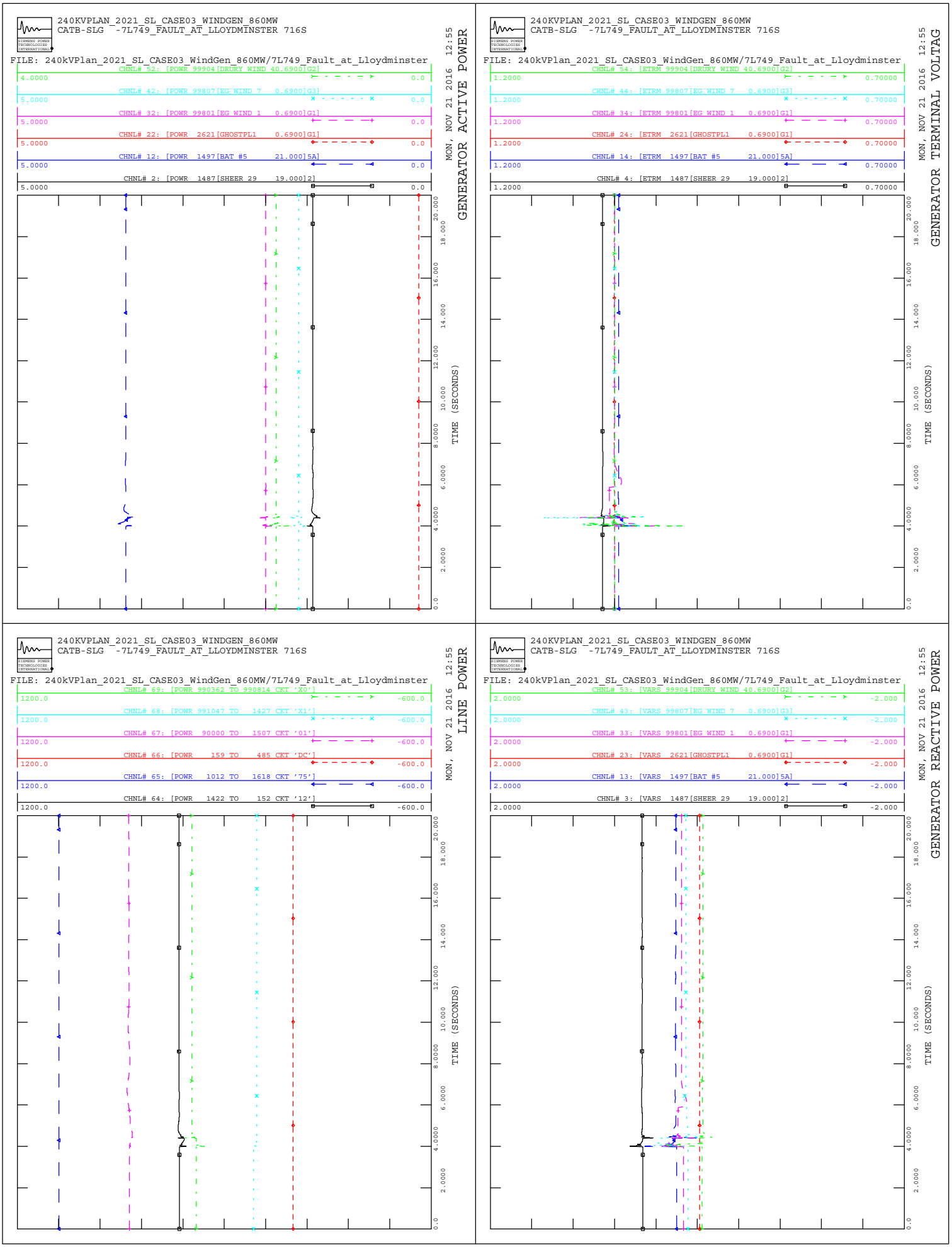
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 12:55

MACHINE ANGEL



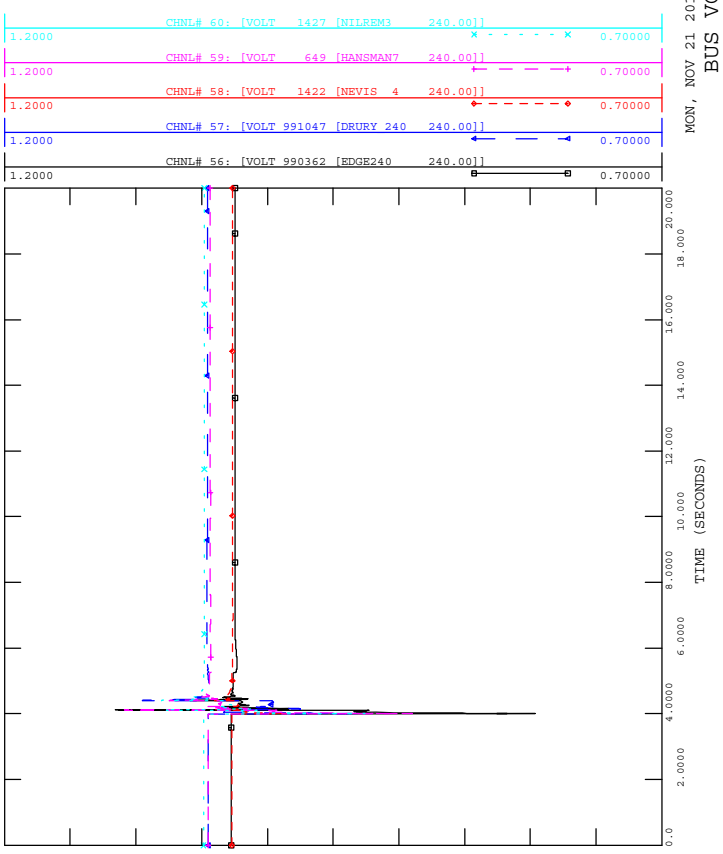

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Lloydminster
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 12:55

BUS VOLTAGE

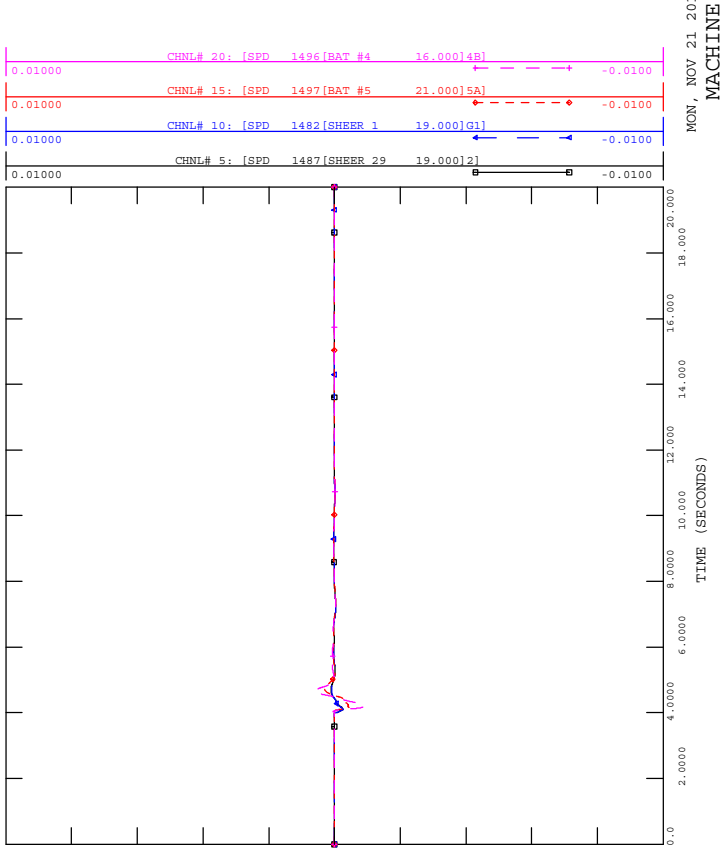


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 12:55

MACHINE SPEED

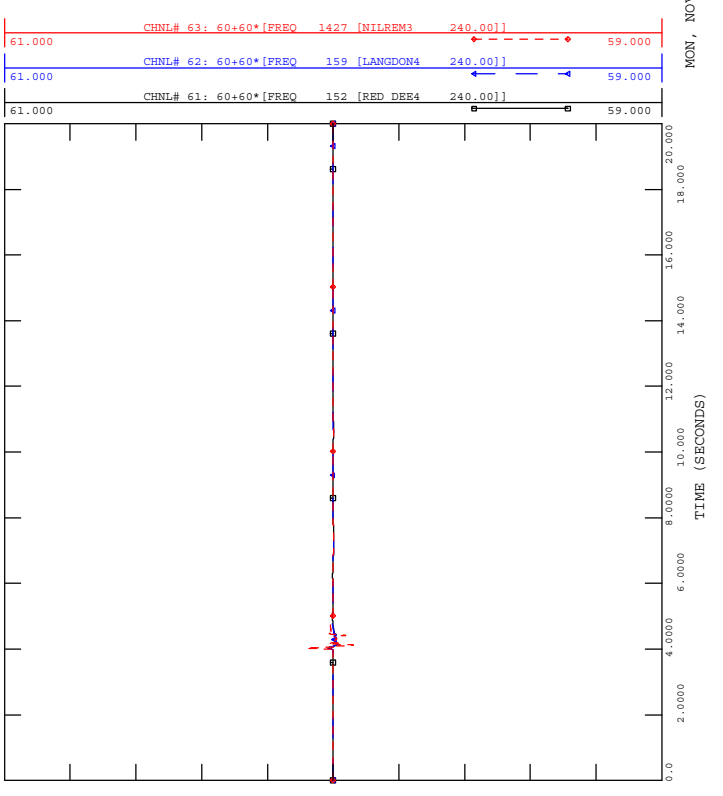


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 12:55

FREQUENCY

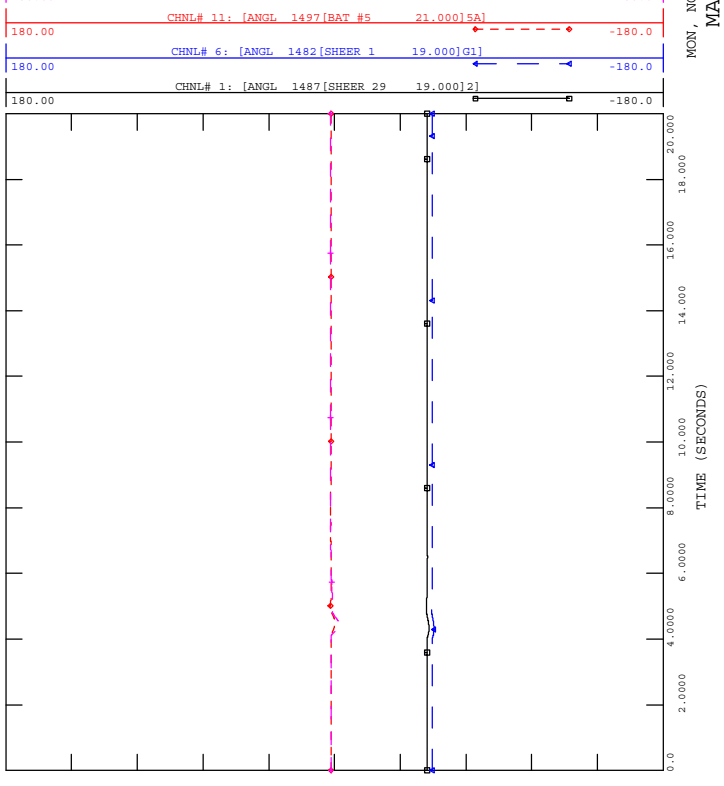


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S

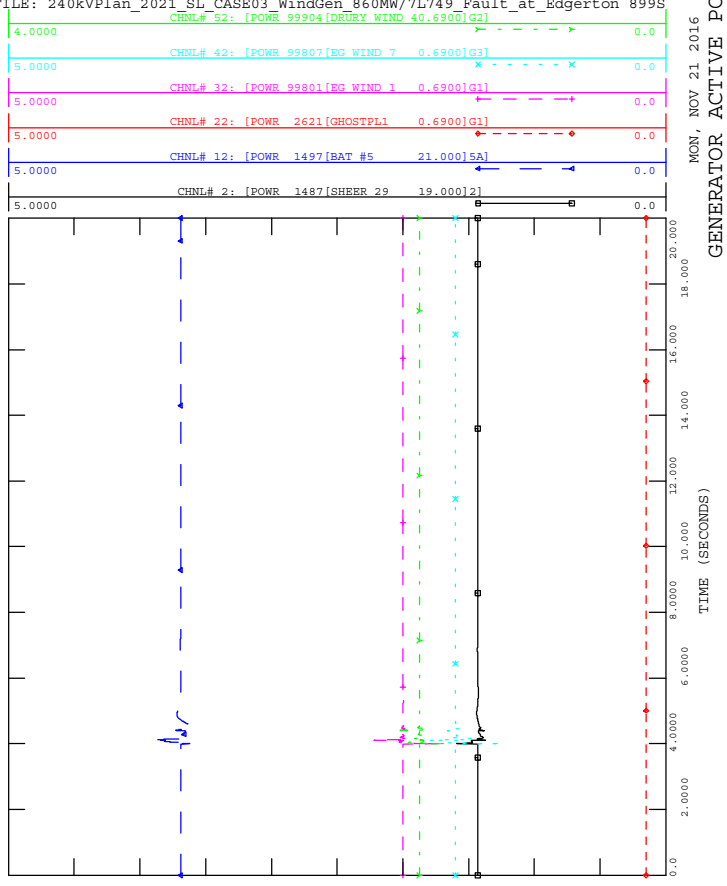
MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

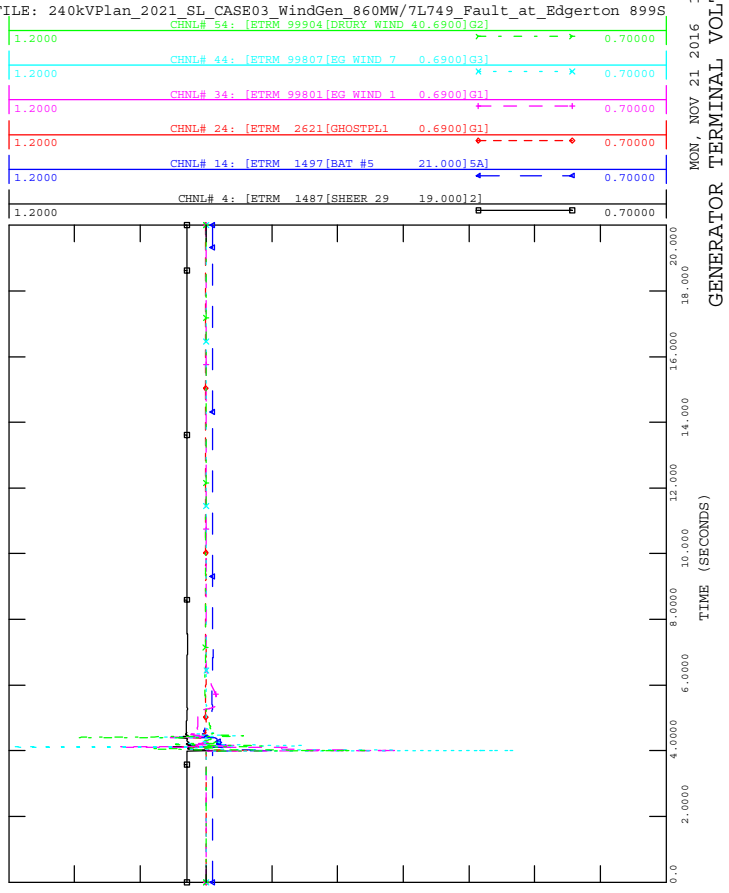
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S



MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

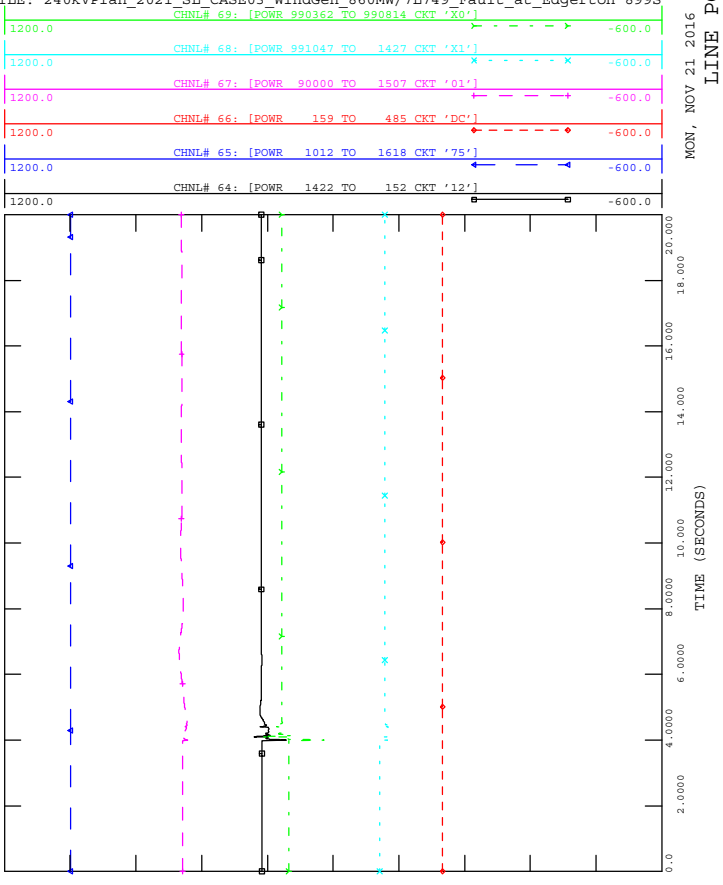
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S



MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

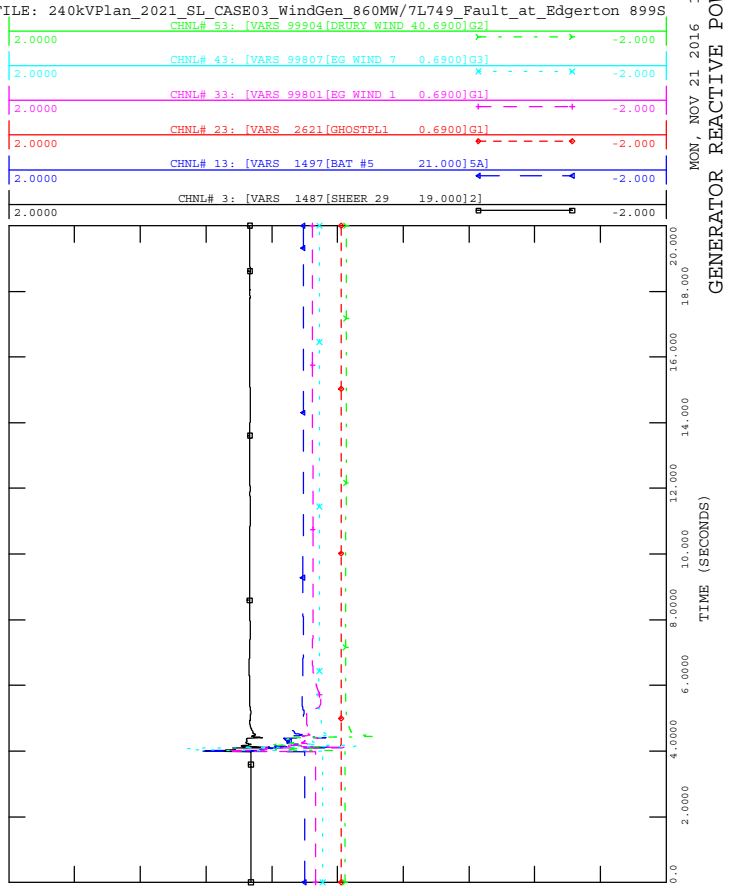
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S



MON, NOV 21 2016 12:55
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_Fault_at_Edgerton 899S



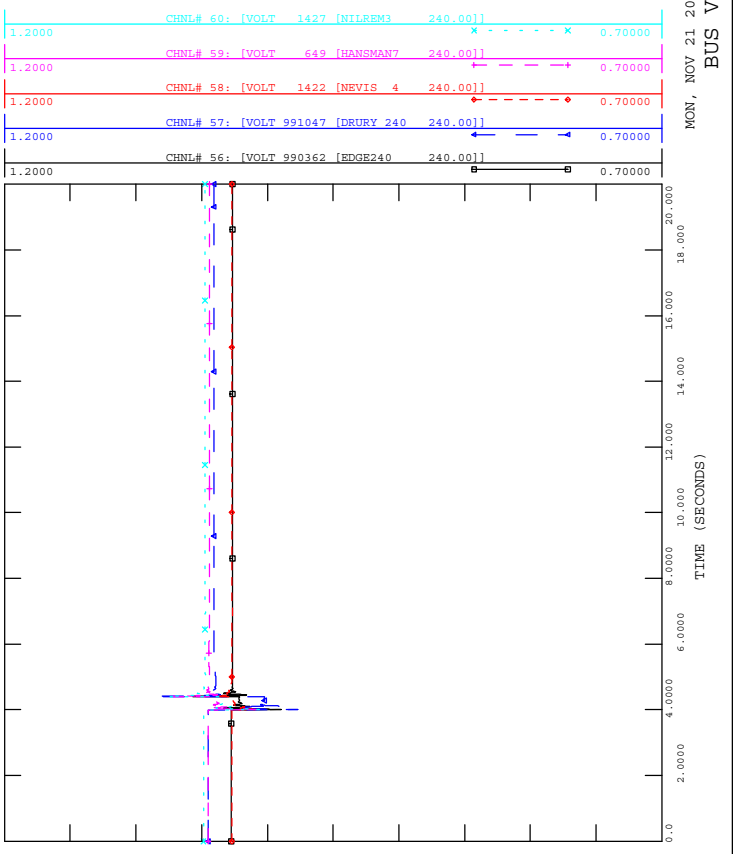
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3

MON, NOV 21 2016 12:55

BUS VOLTAGE

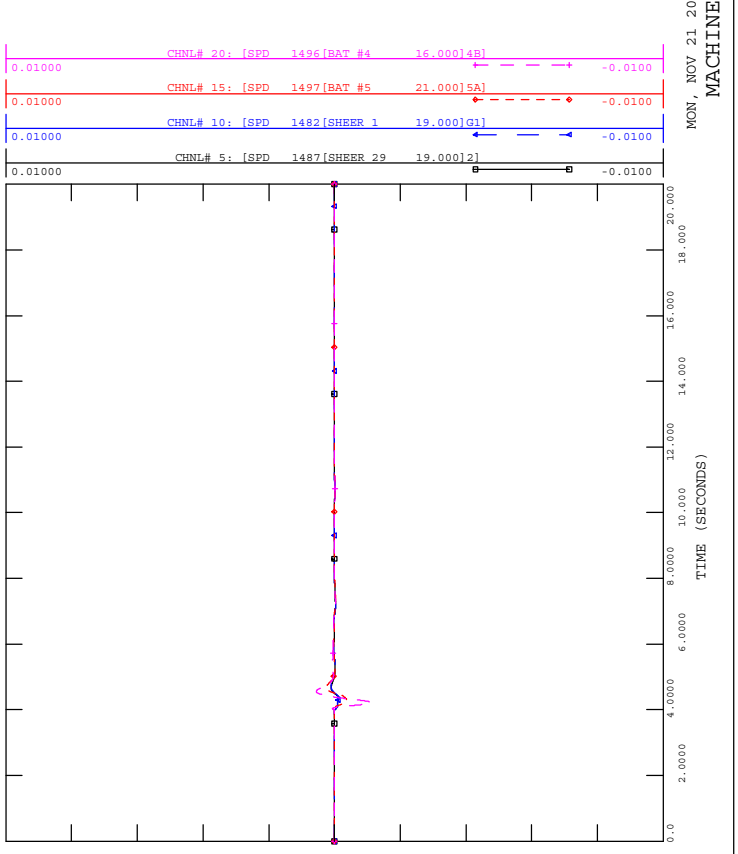


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3

MON, NOV 21 2016 12:55

MACHINE SPEED

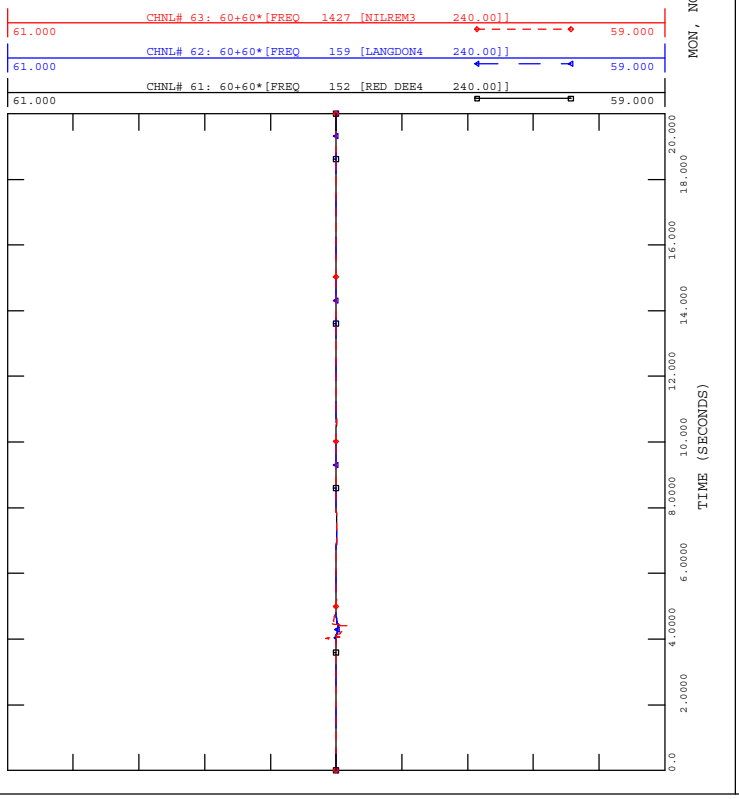


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3

MON, NOV 21 2016 12:55

FREQUENCY

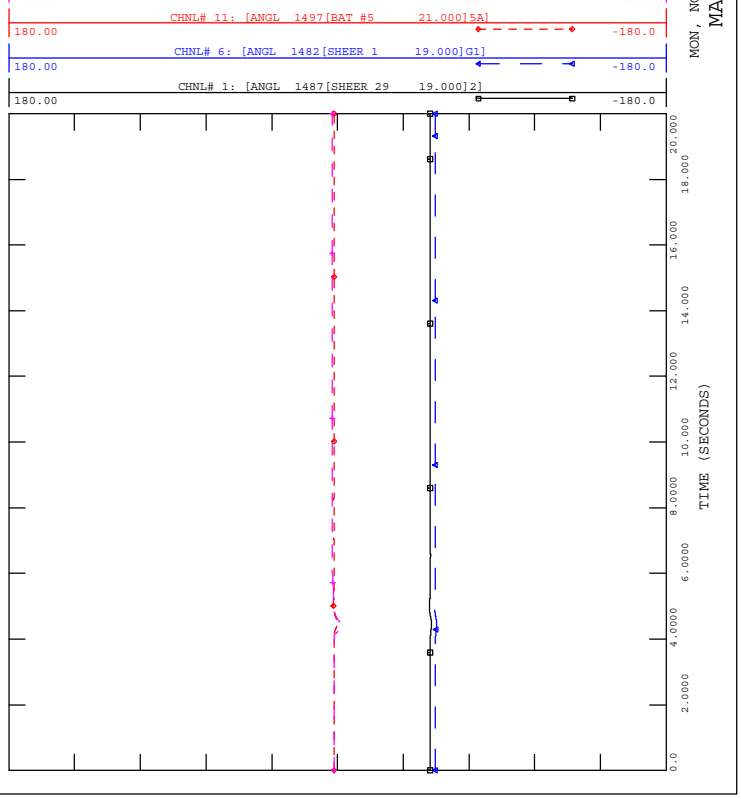


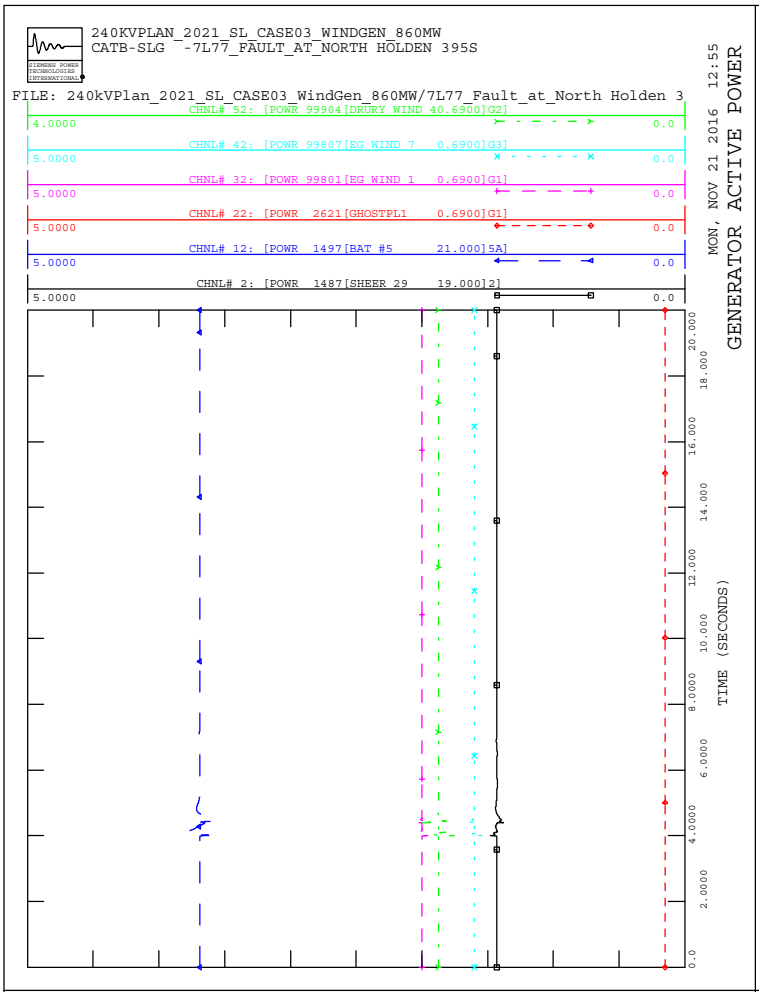
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

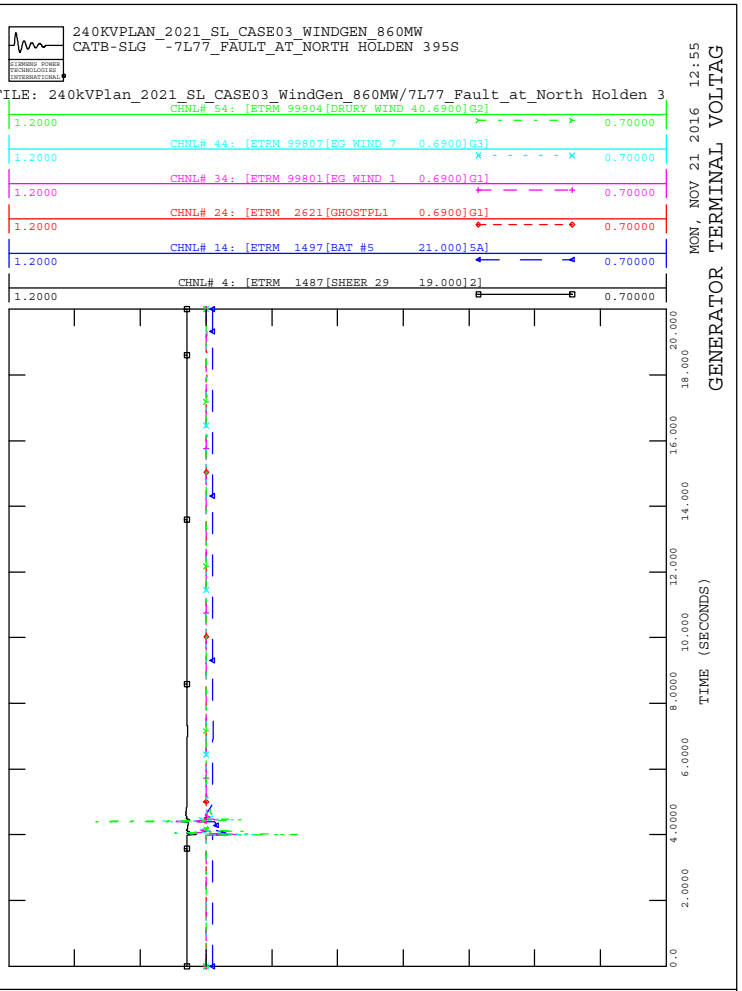
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3

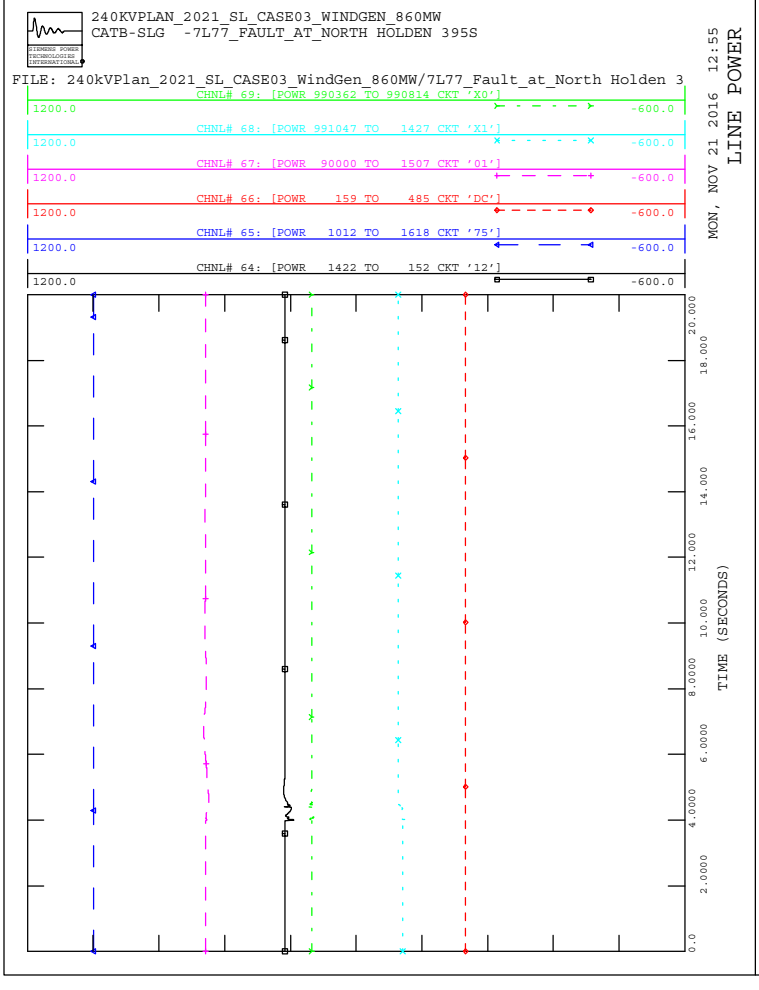
MON, NOV 21 2016 12:55

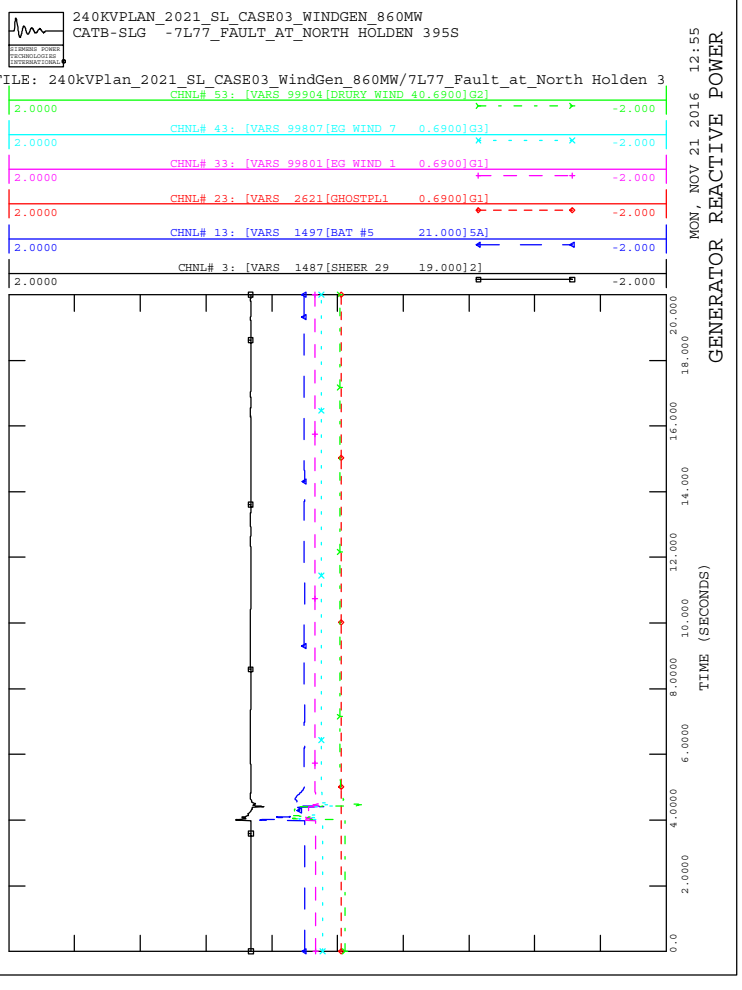
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

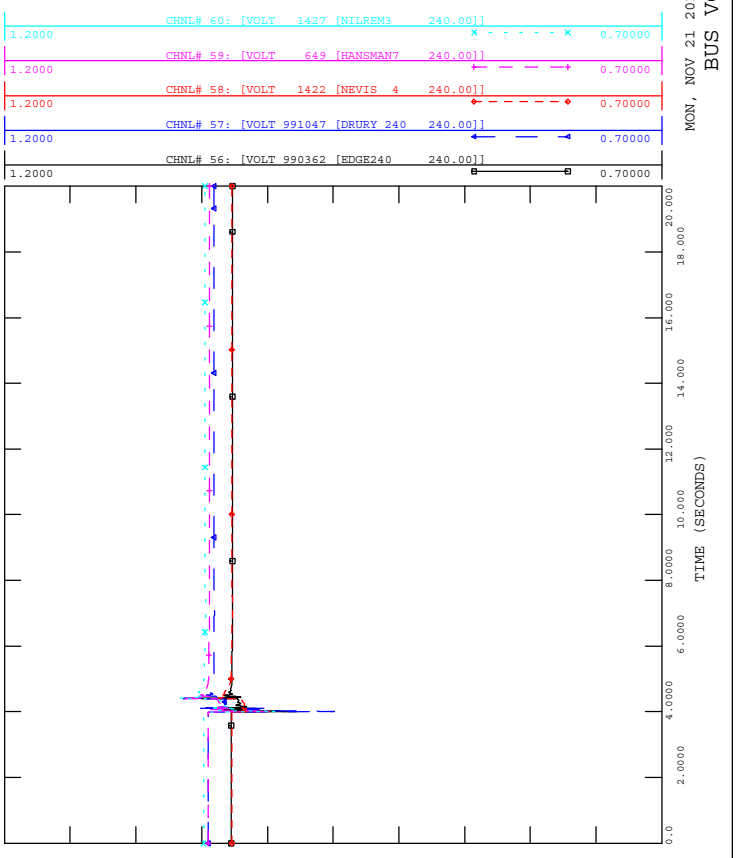

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 12:55

BUS VOLTAGE

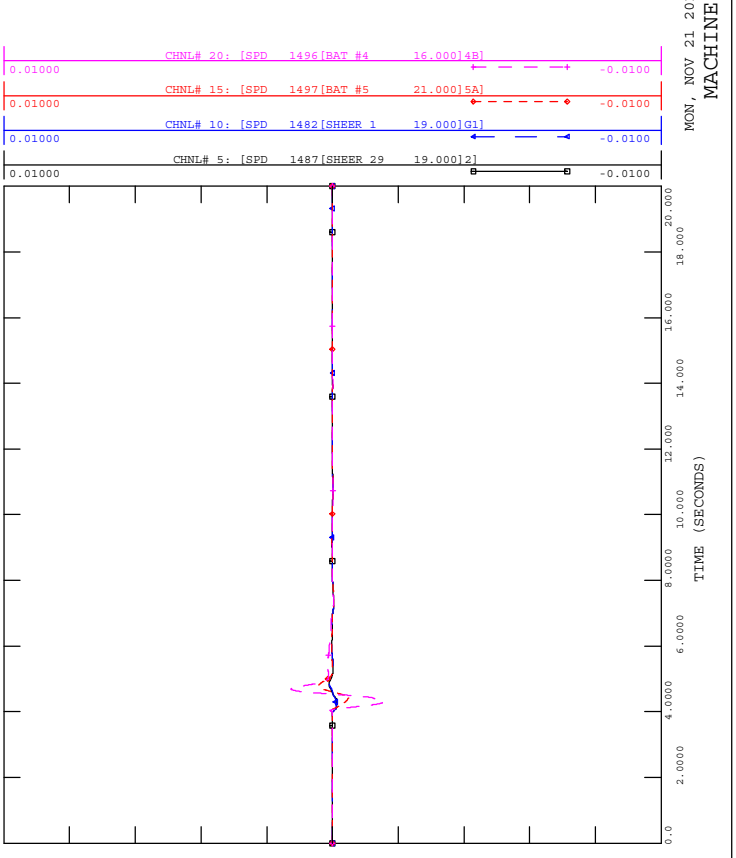


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 12:55

MACHINE SPEED

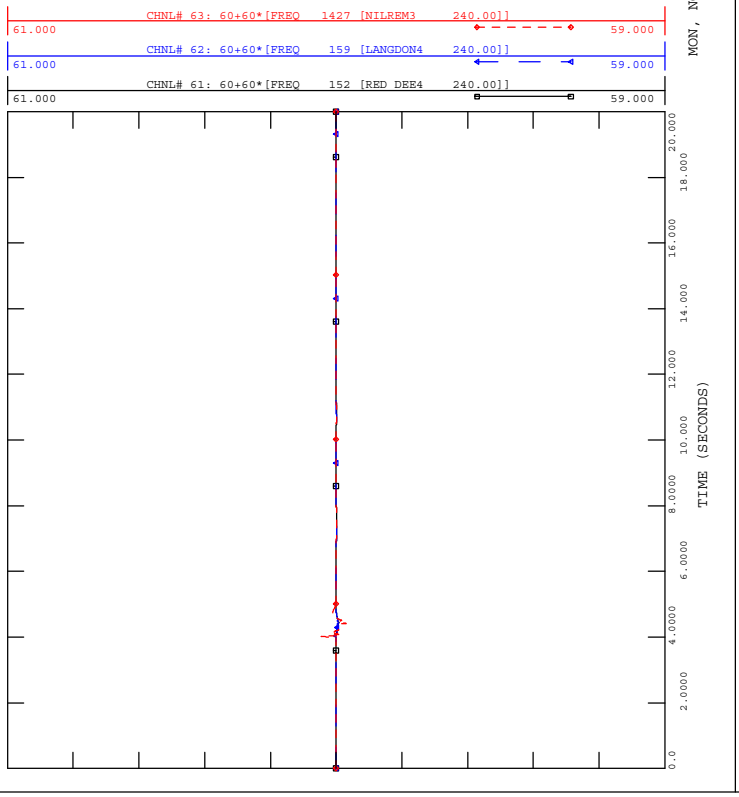


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 12:55

FREQUENCY

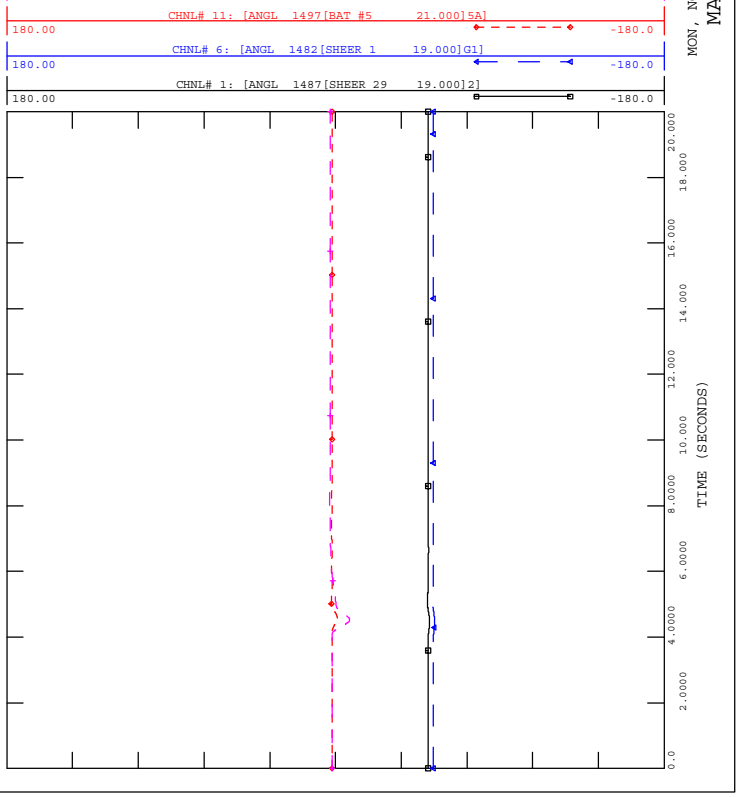


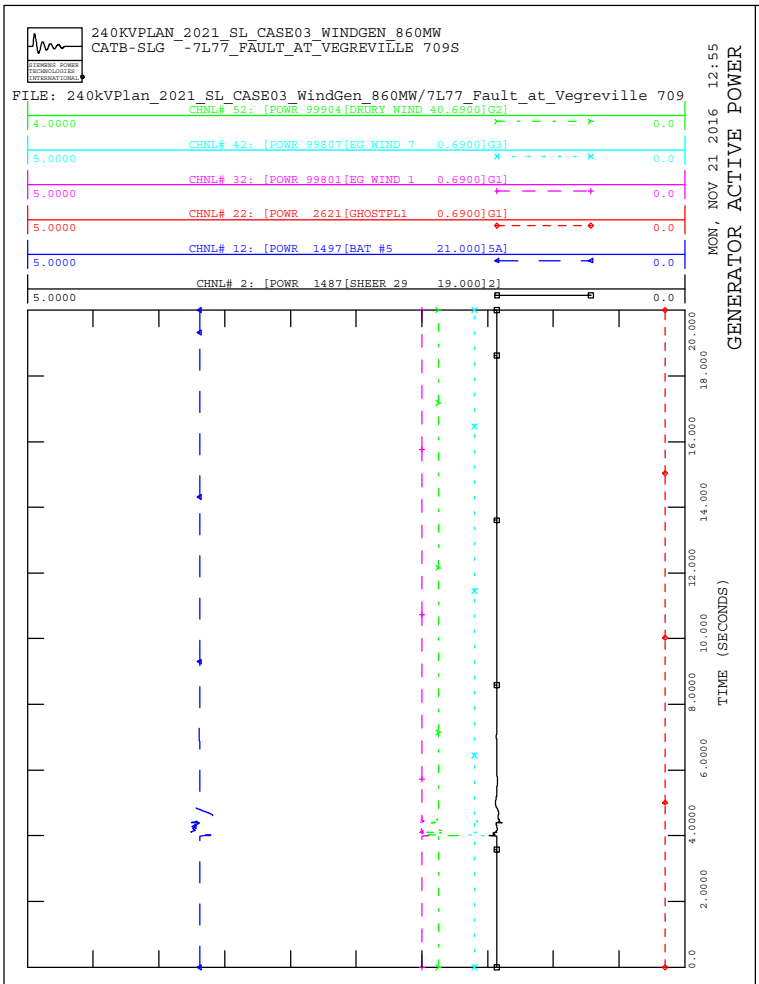
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

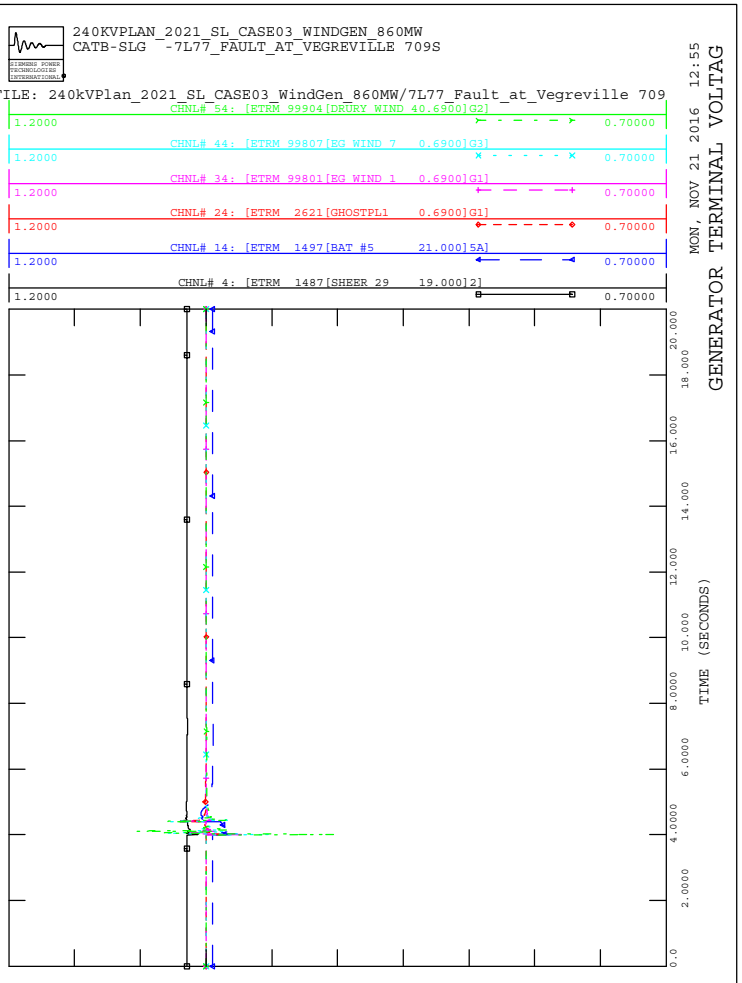
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709

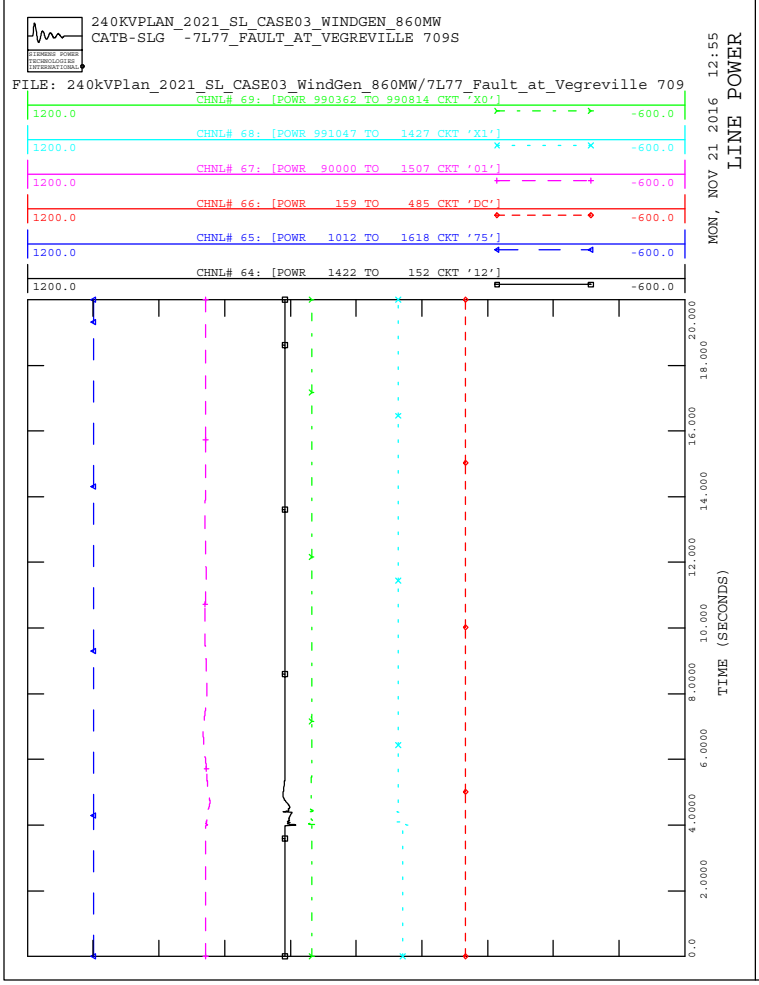
MON, NOV 21 2016 12:55

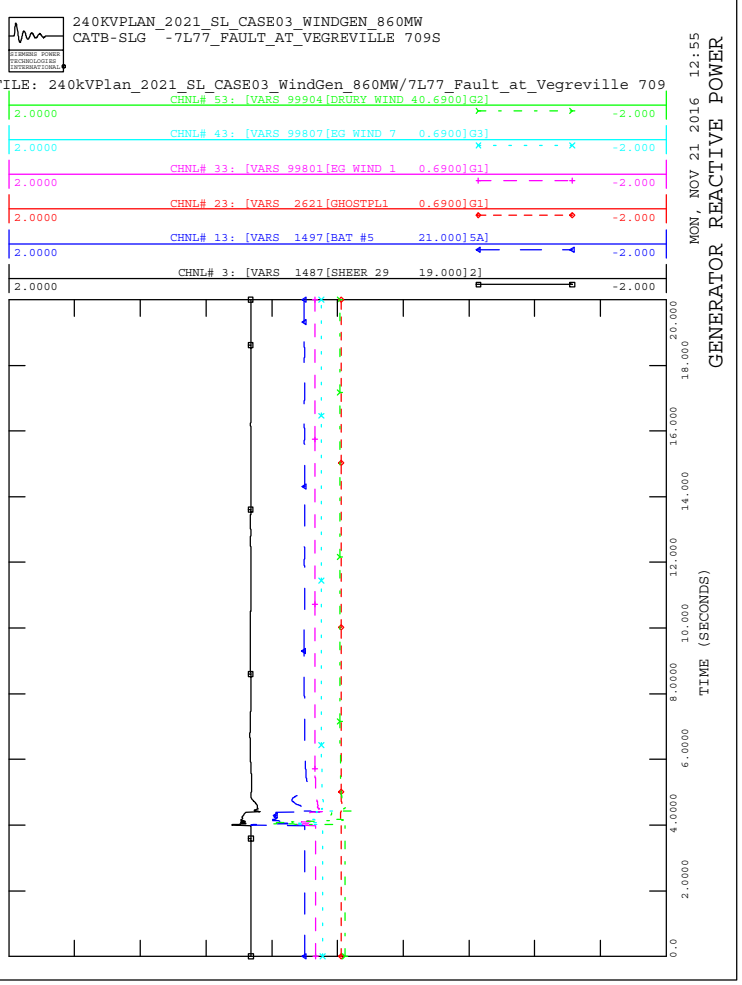
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

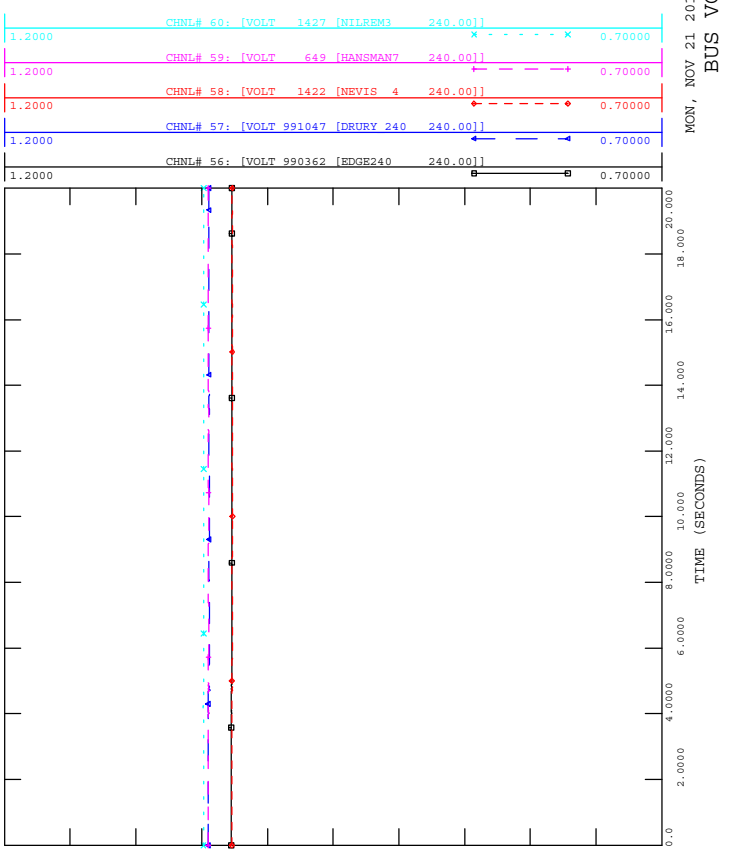

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

MON, NOV 21 2016 12:55

BUS VOLTAGE

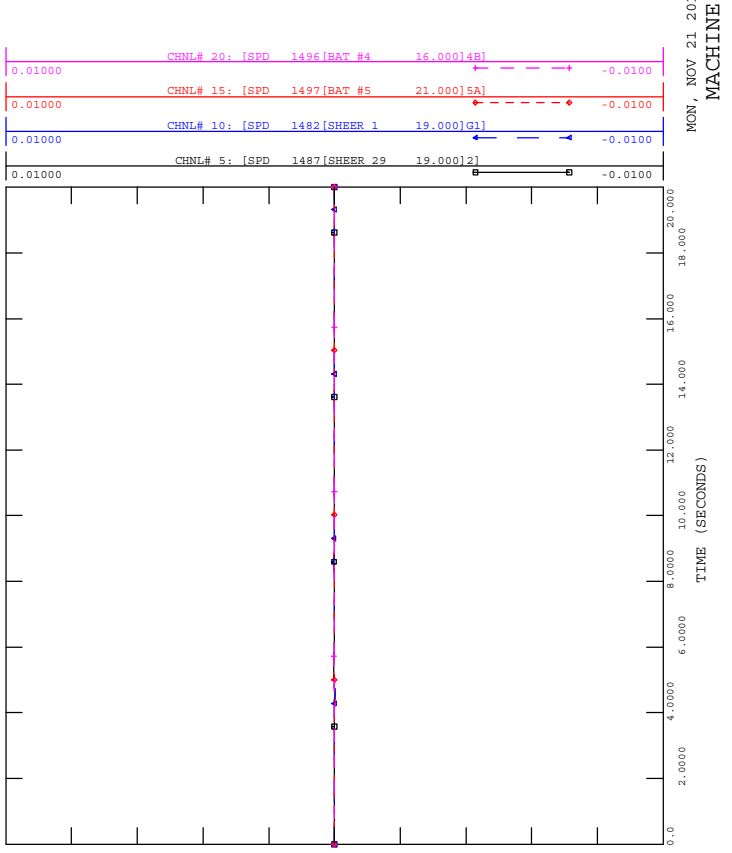


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

MON, NOV 21 2016 12:55

MACHINE SPEED

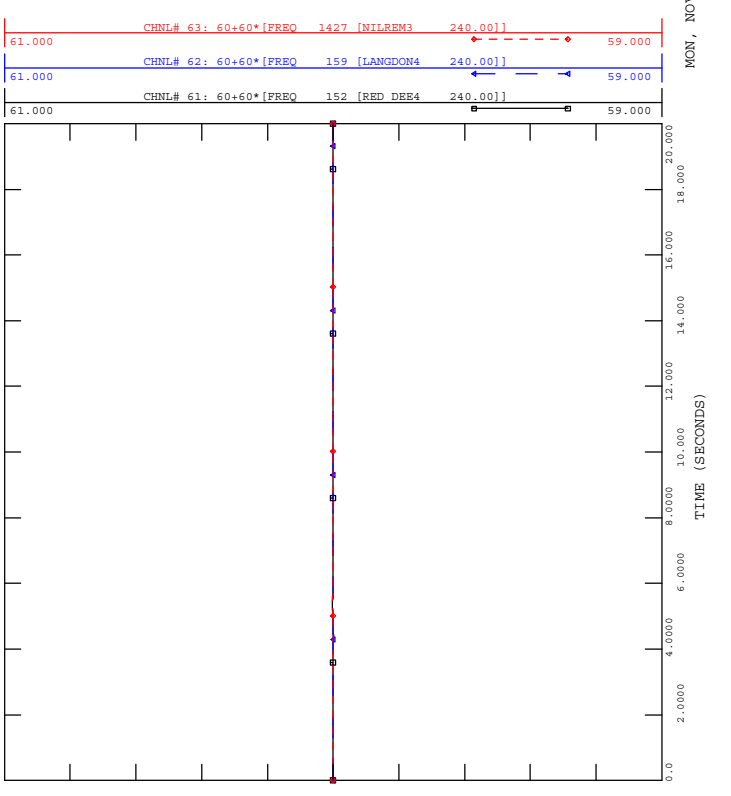


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

MON, NOV 21 2016 12:55

FREQUENCY

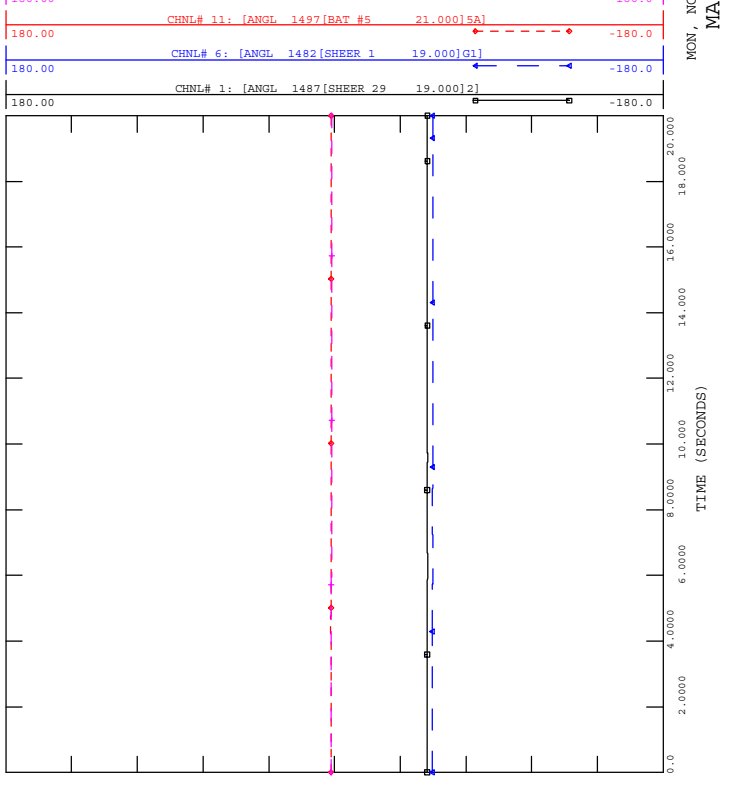


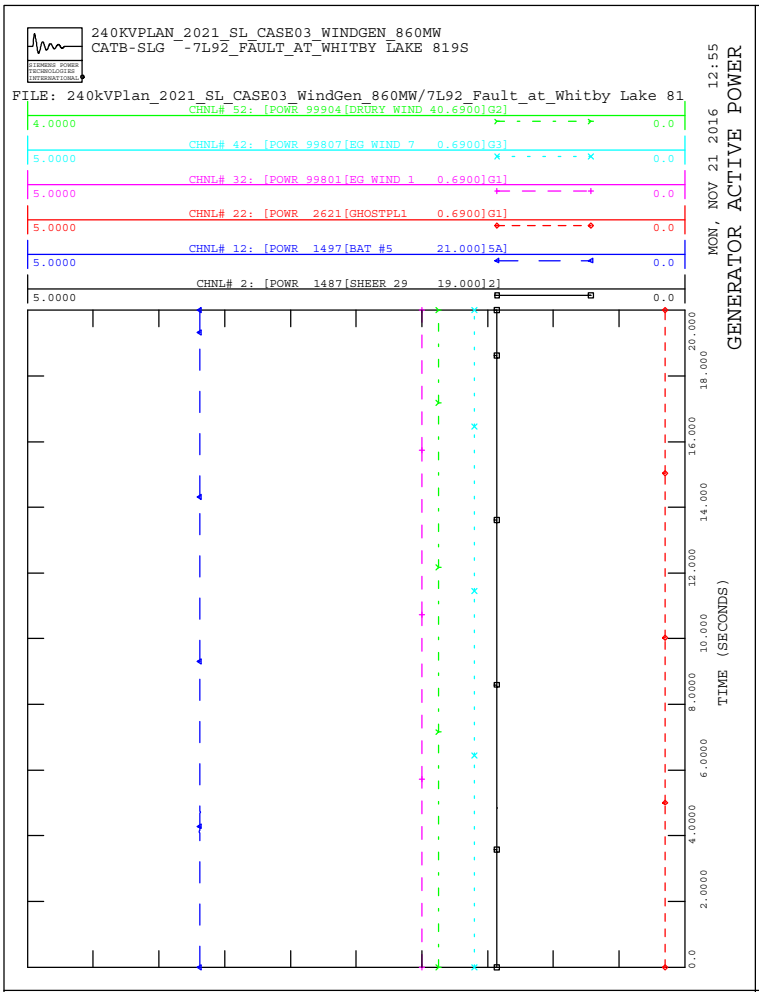
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

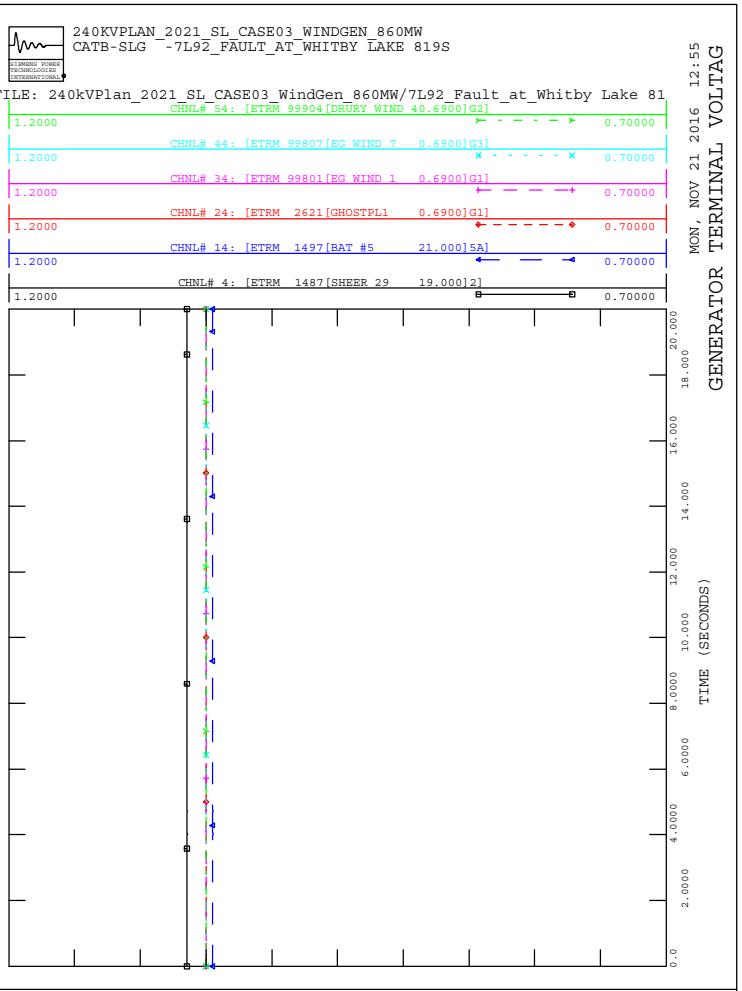
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

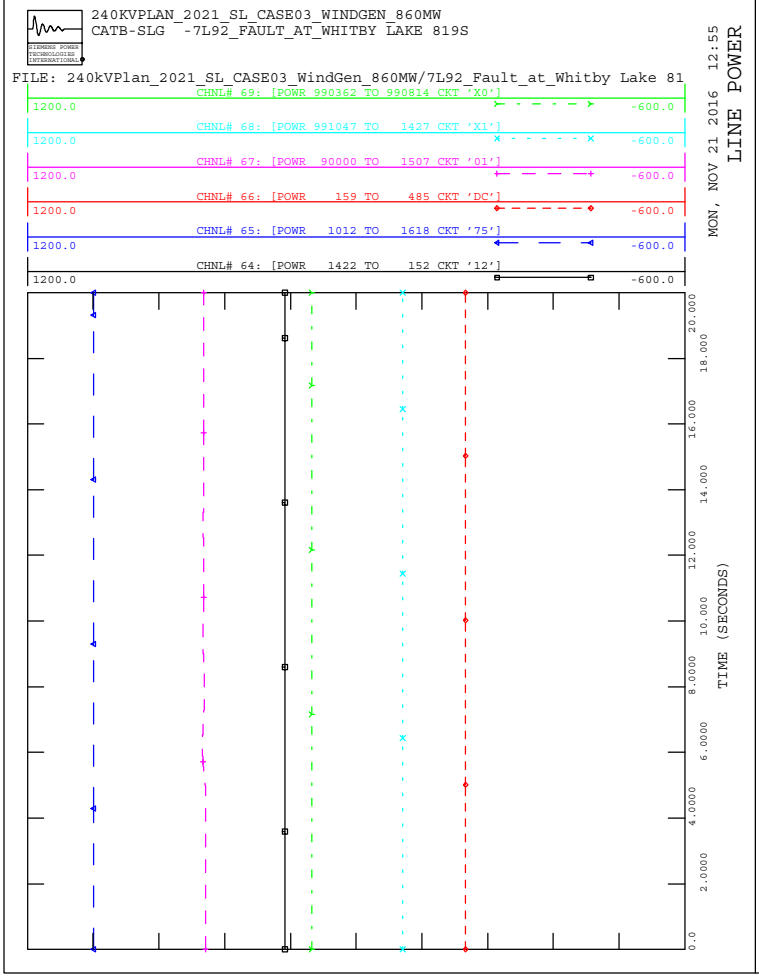
MON, NOV 21 2016 12:55

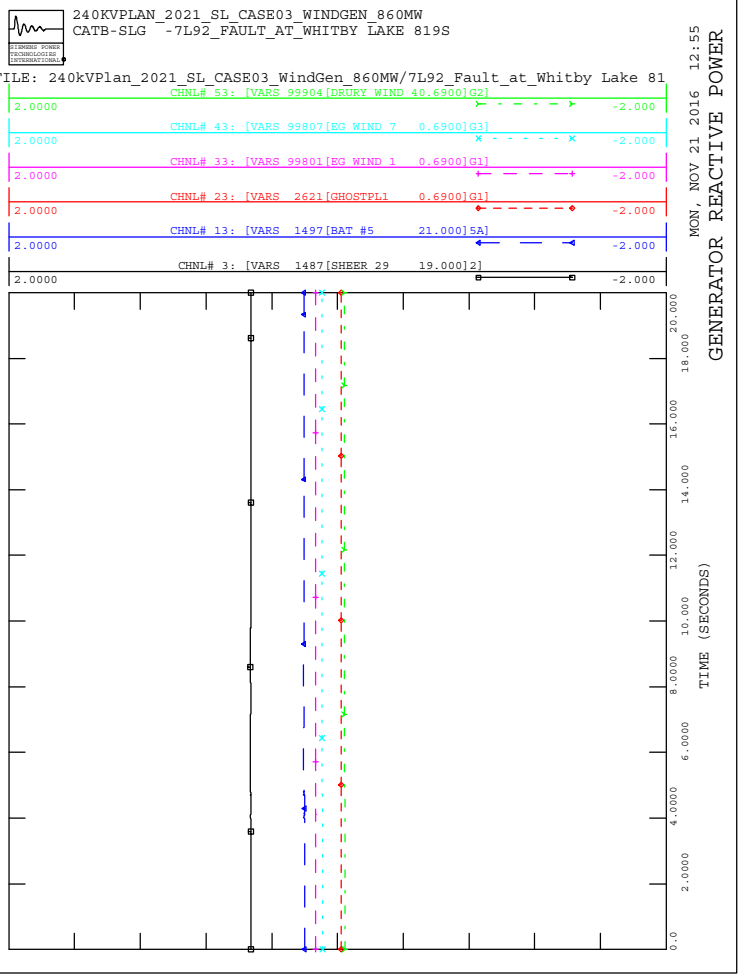
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

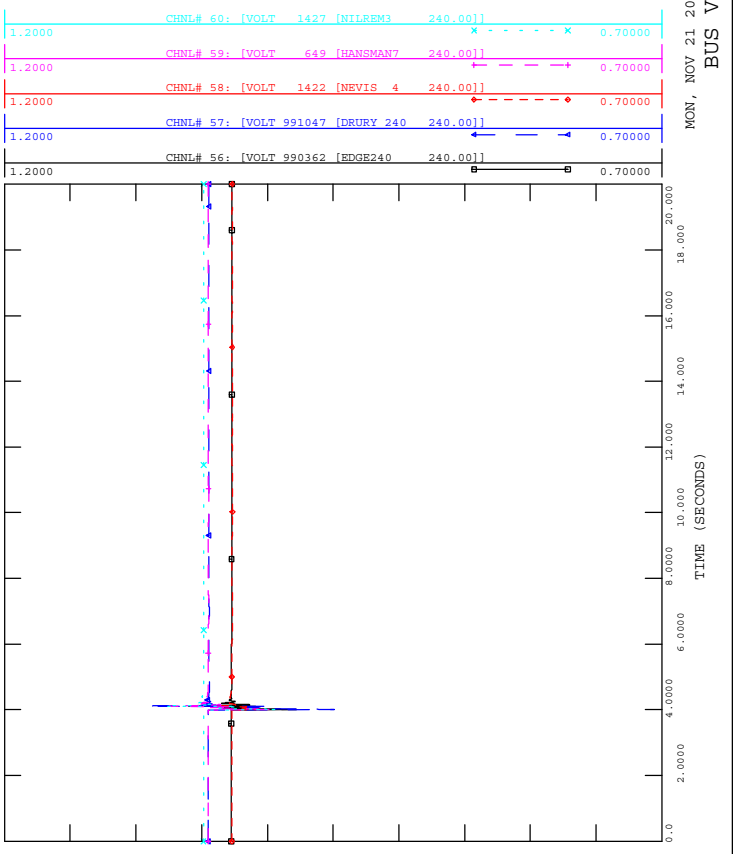

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Whitby Lake 81
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 12:55

BUS VOLTAGE

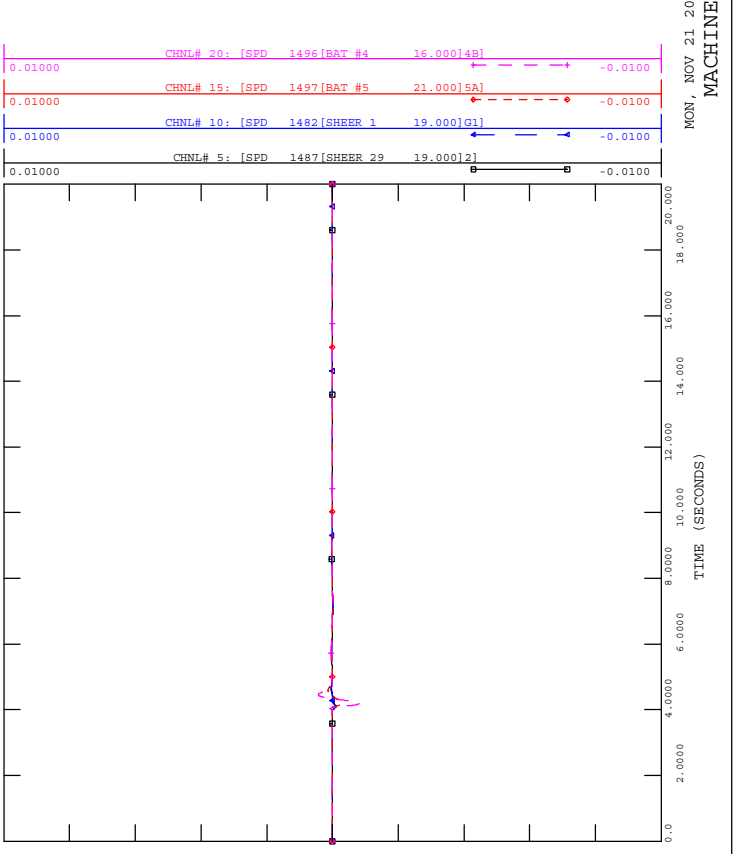


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 12:55

MACHINE SPEED

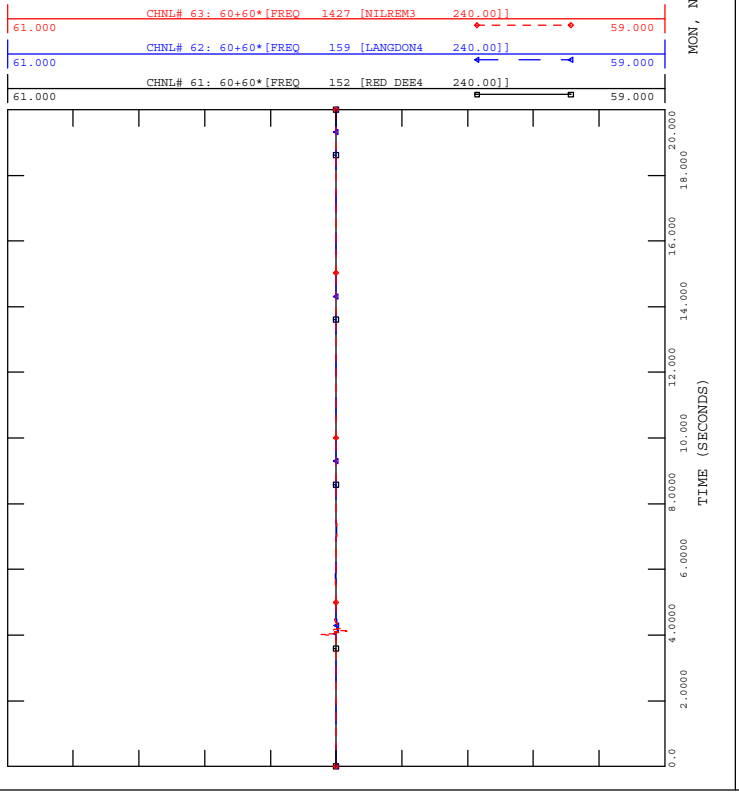


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 12:55

FREQUENCY

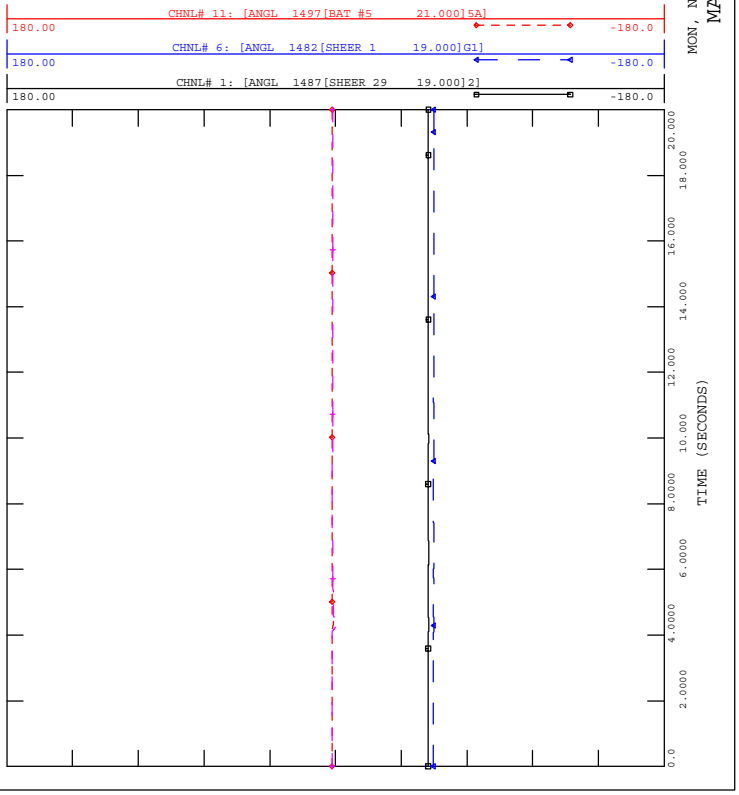


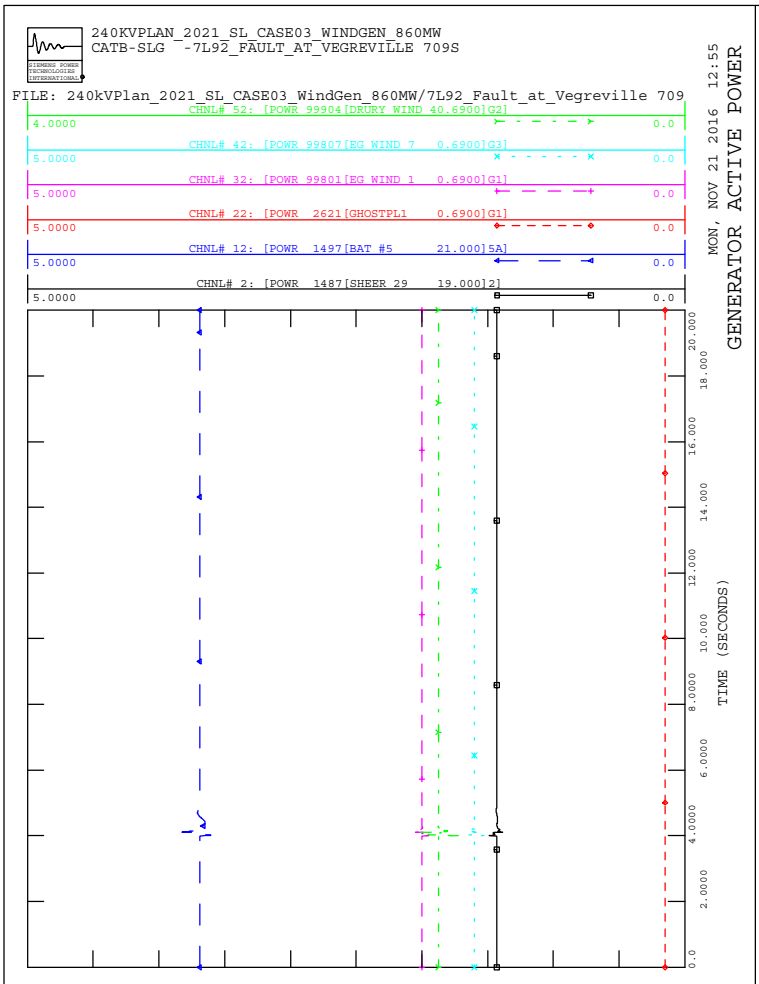
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

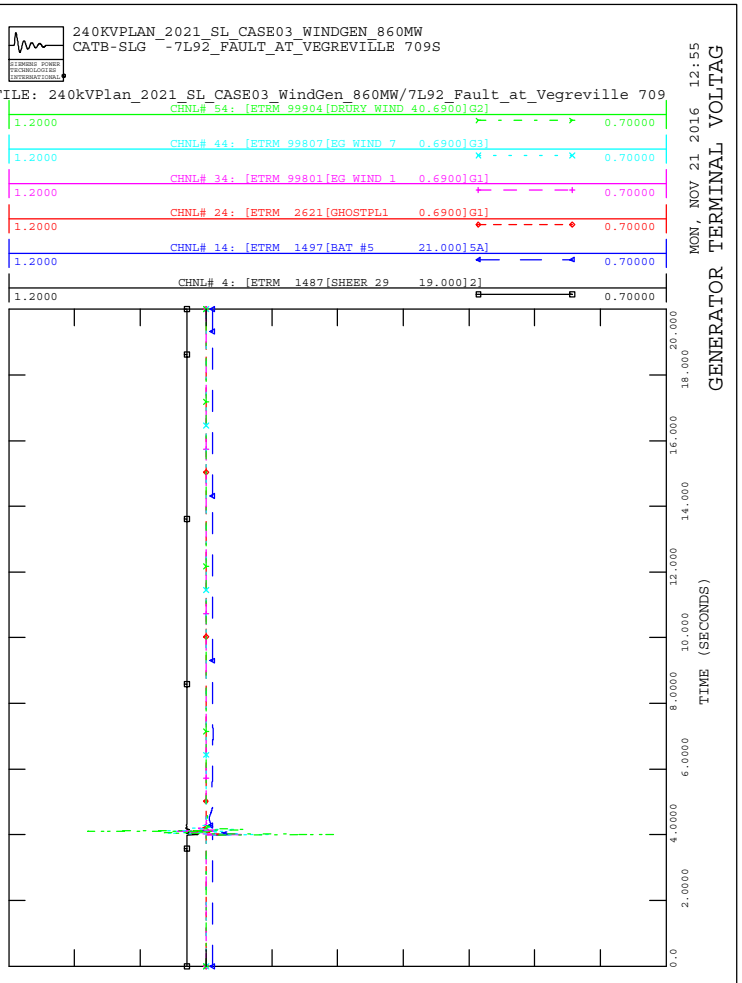
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709

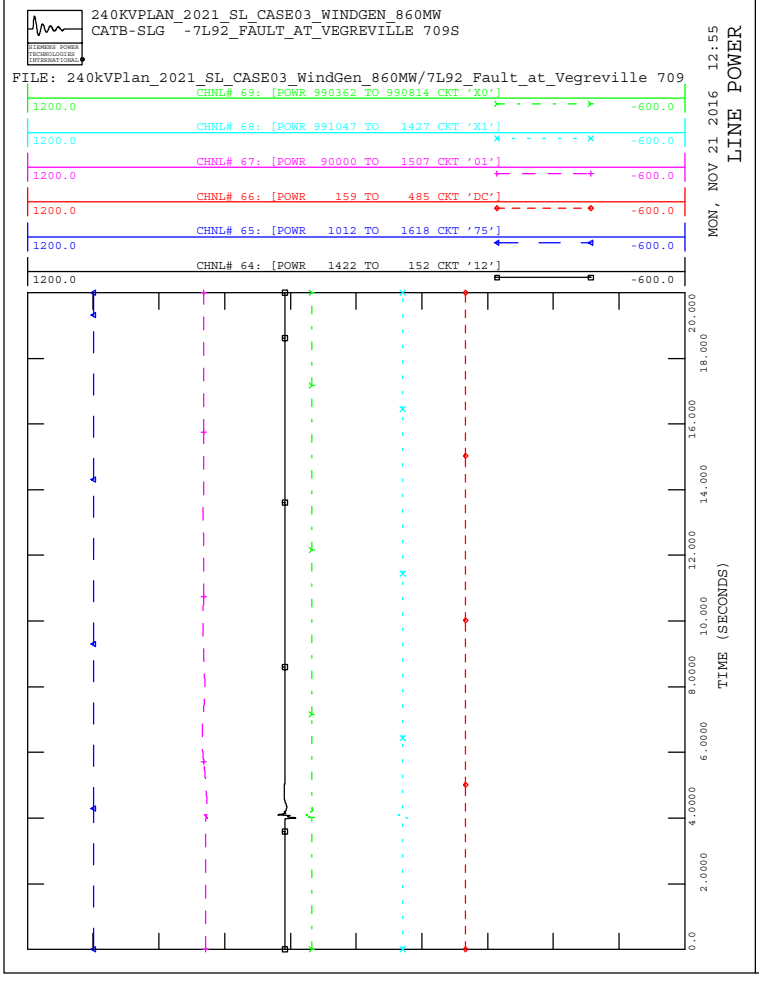
MON, NOV 21 2016 12:55

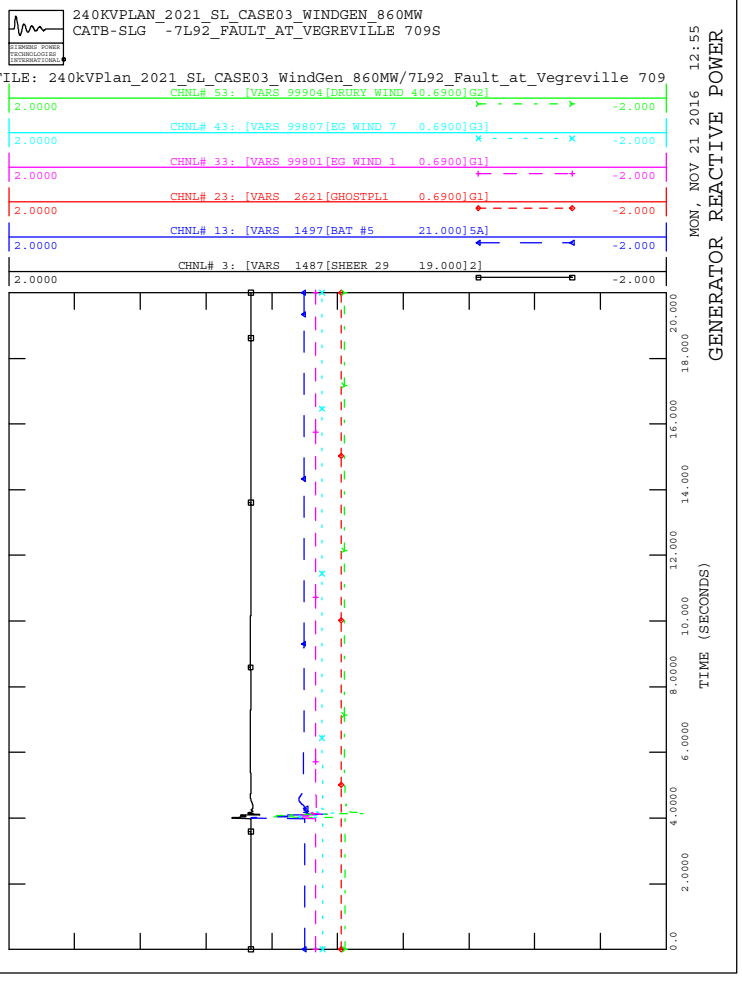
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

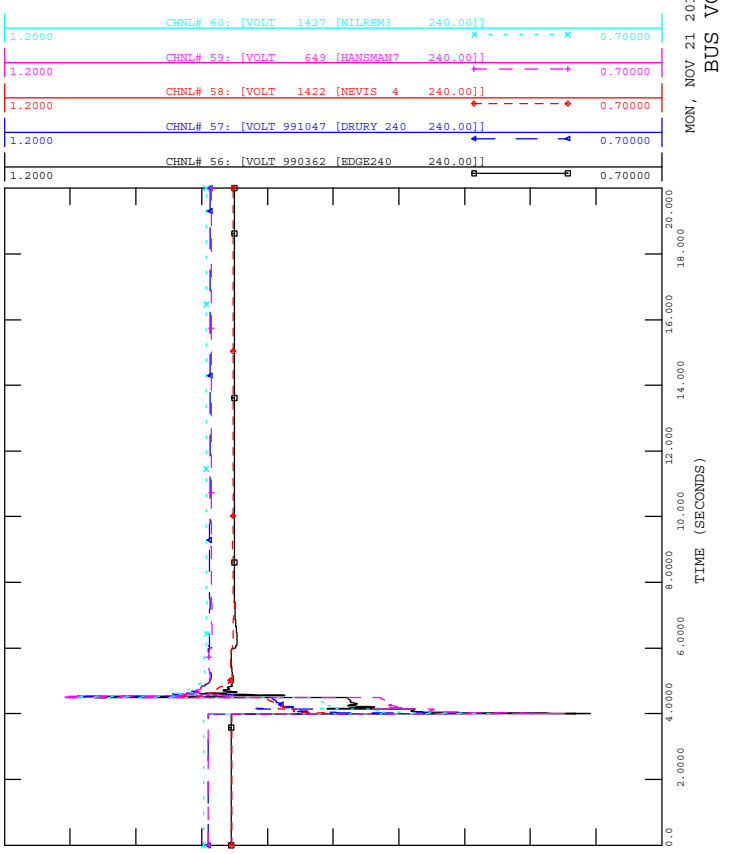

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

BUS VOLTAGE

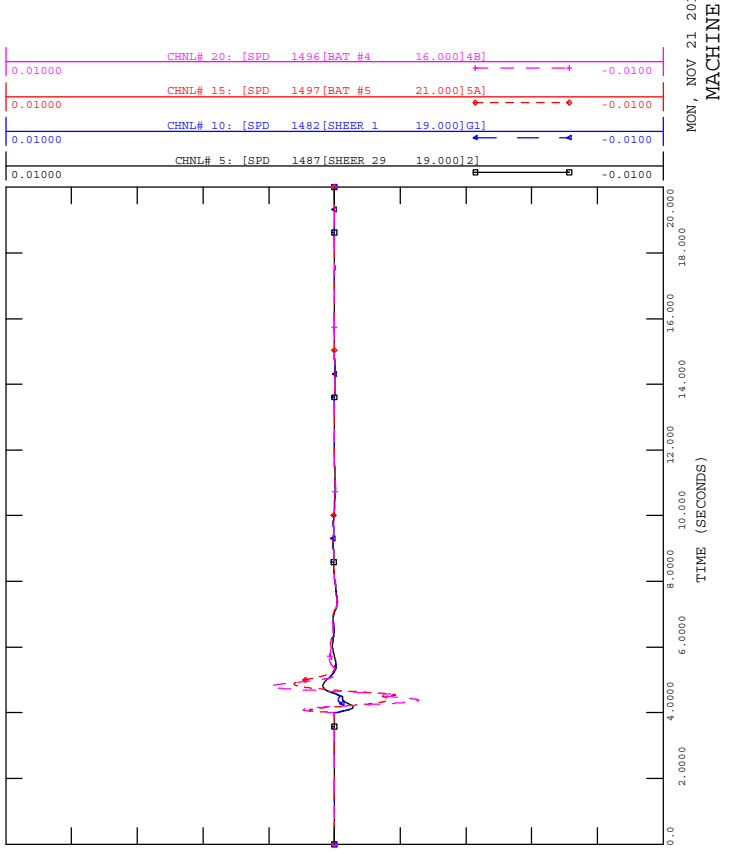


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

MACHINE SPEED

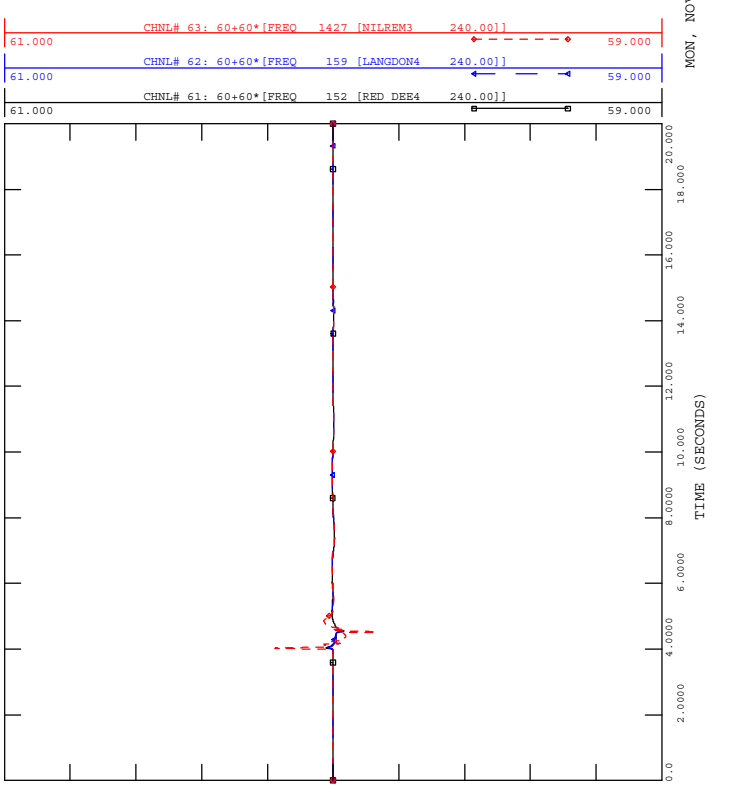


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

FREQUENCY

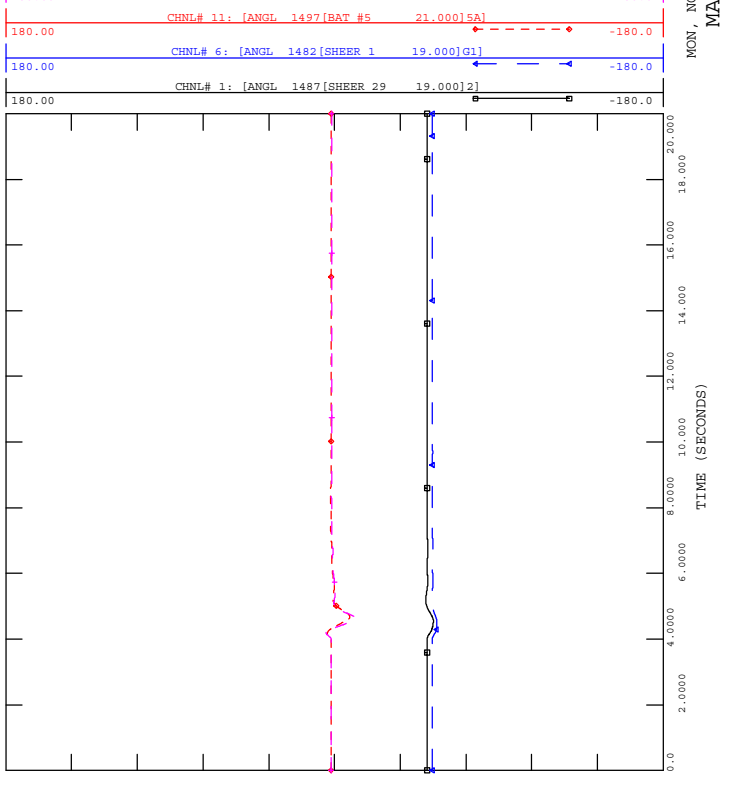


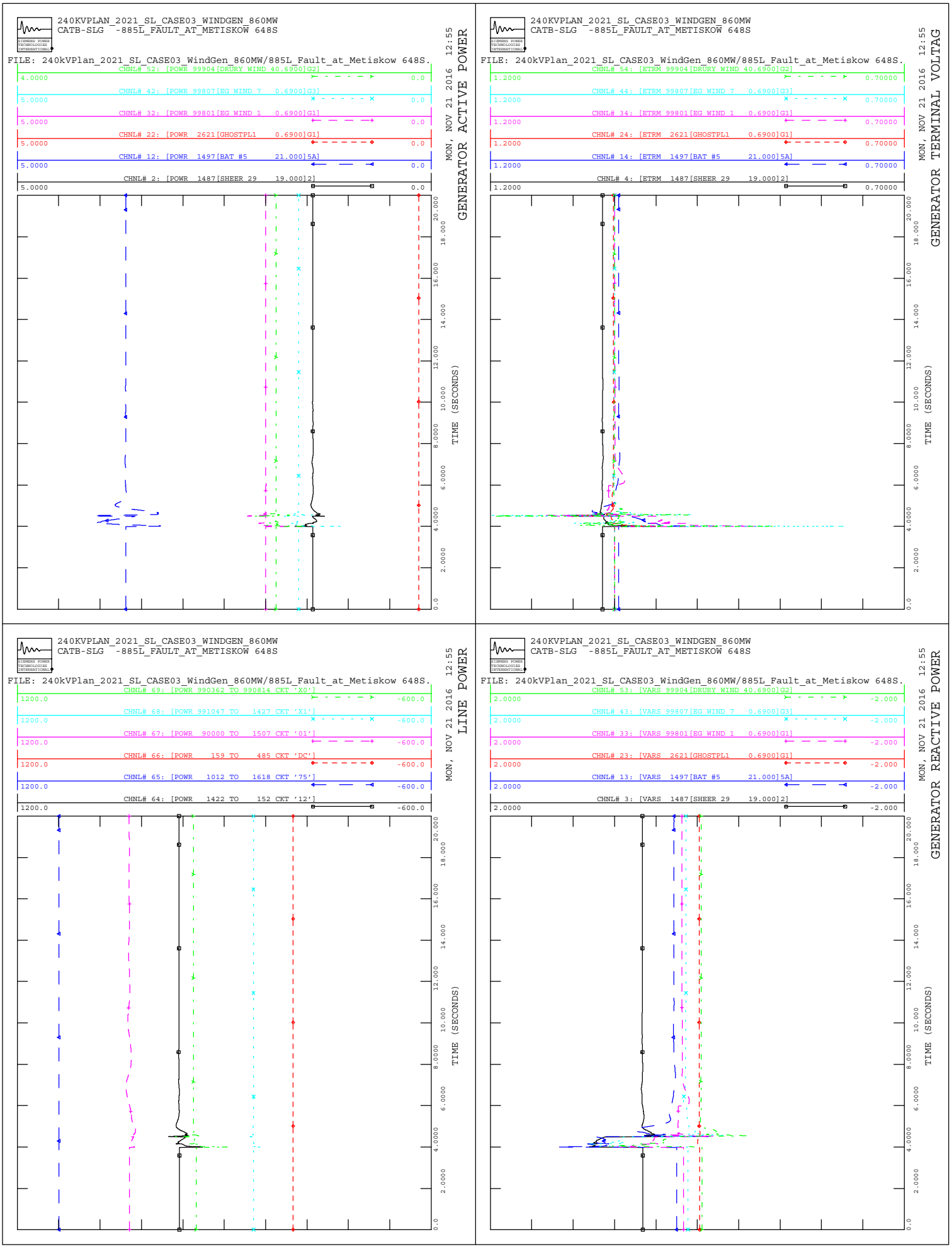
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

MACHINE ANGEL



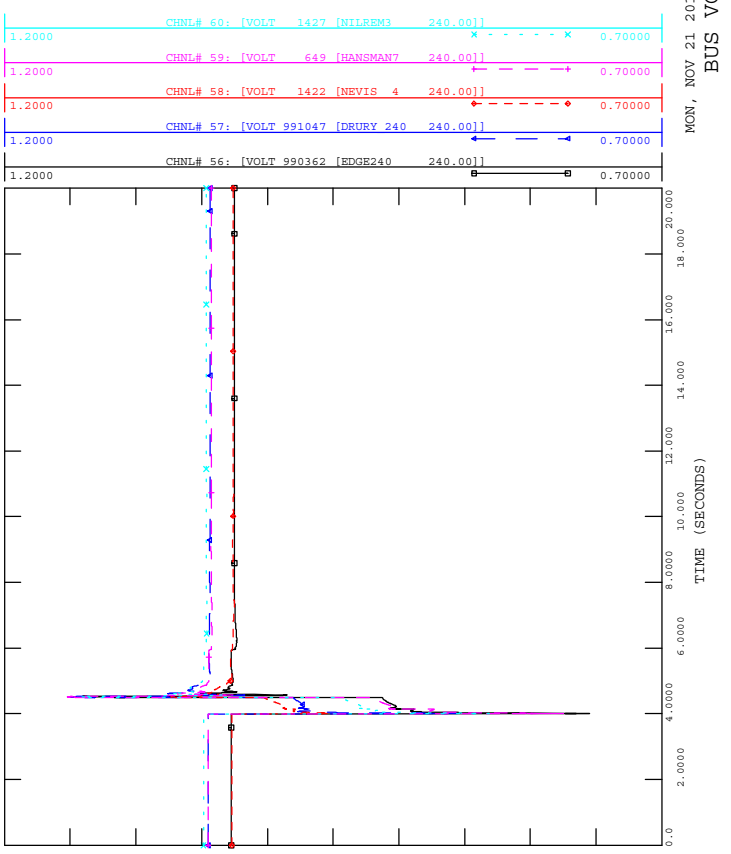

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 12:55

BUS VOLTAGE

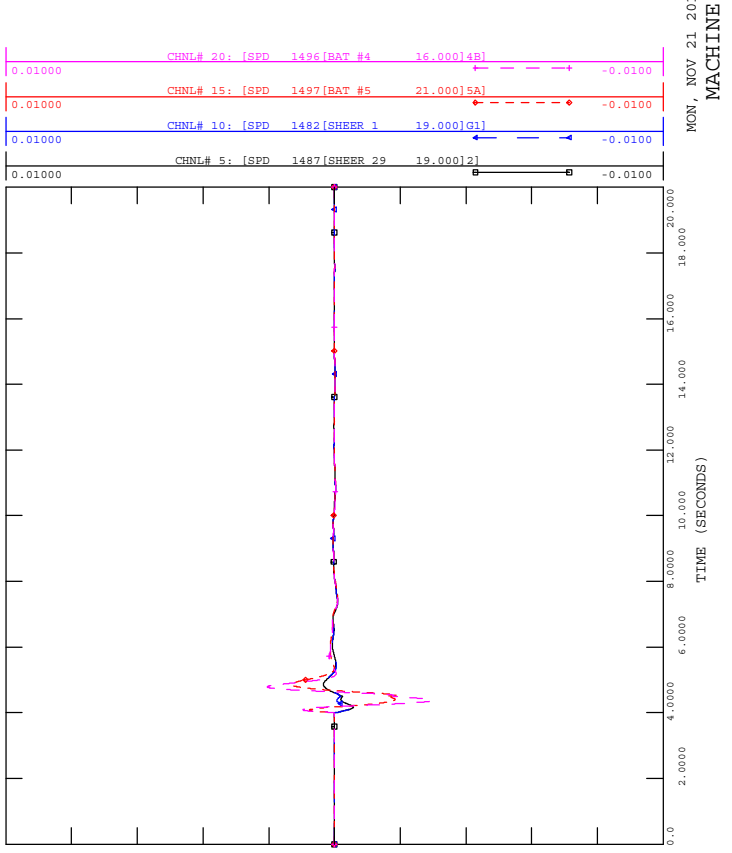


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 12:55

MACHINE SPEED

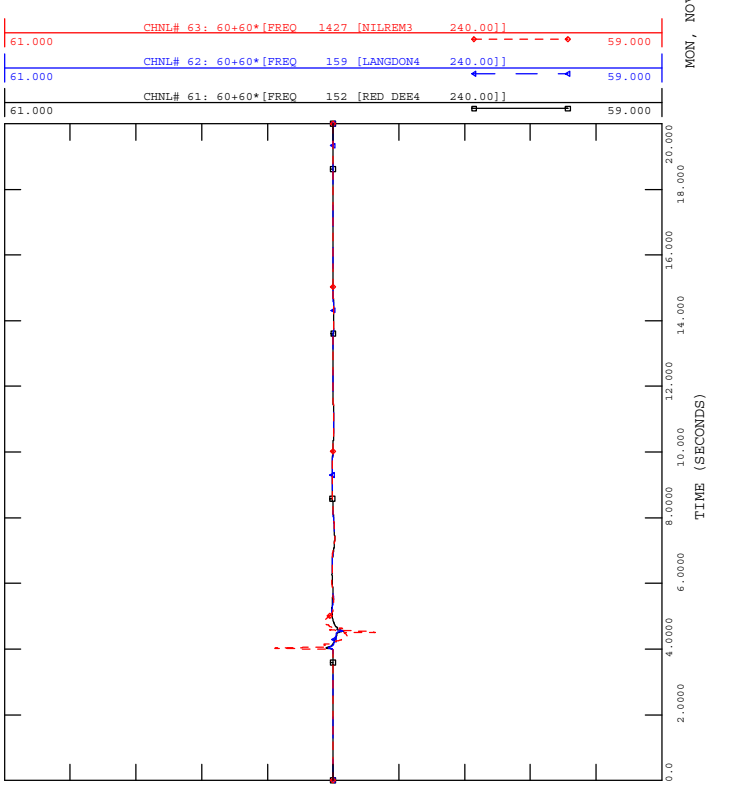


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 12:55

FREQUENCY

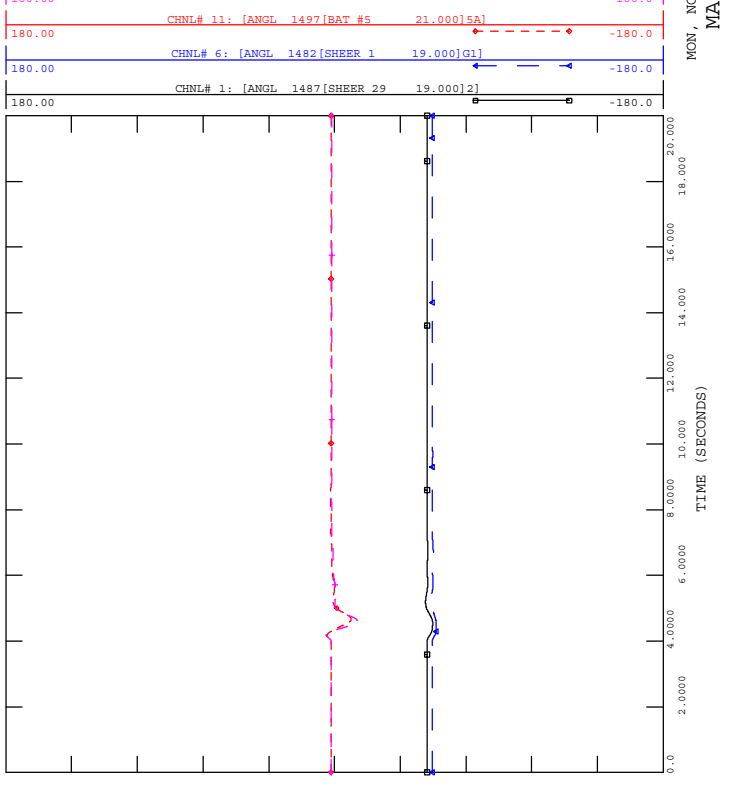


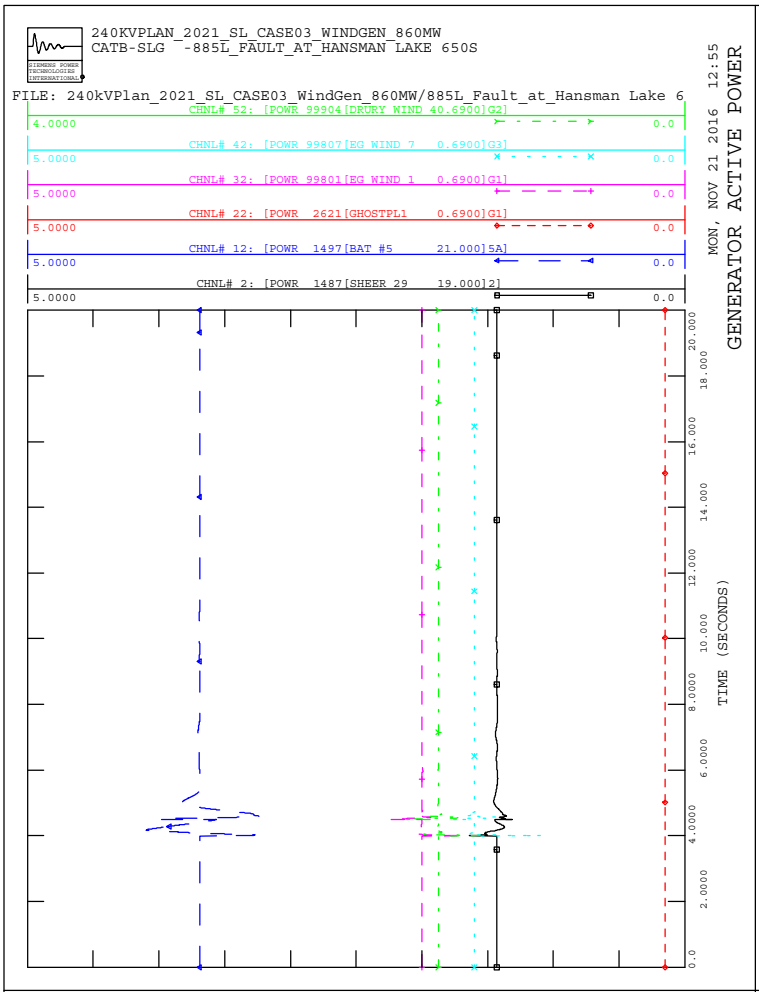
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

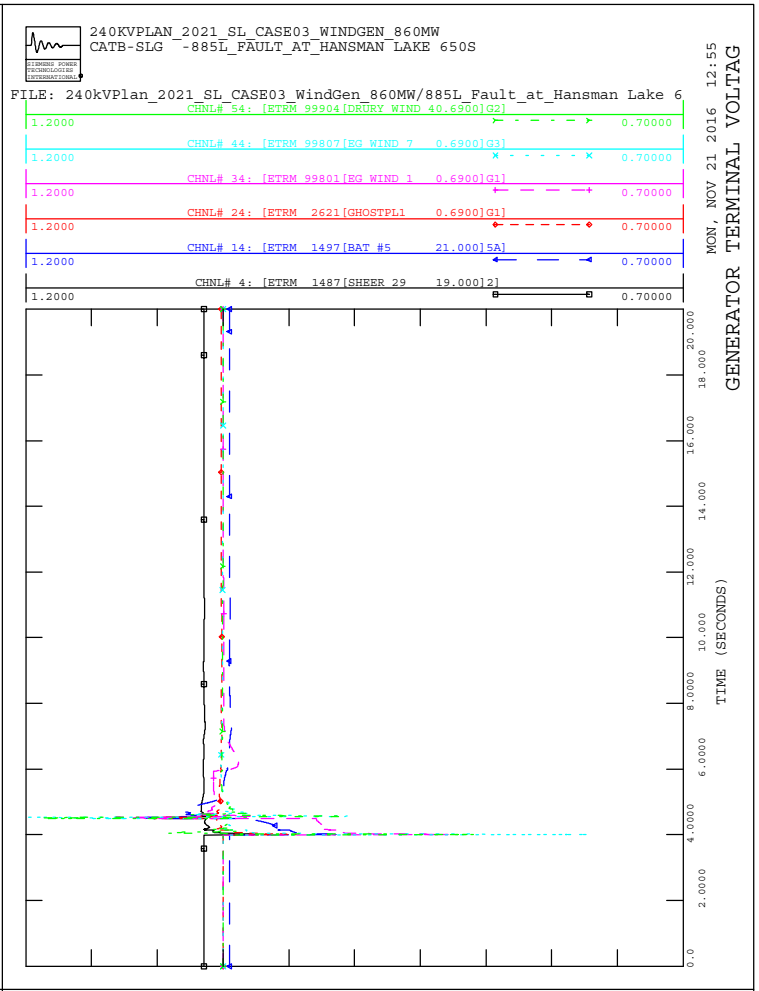
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman Lake 6

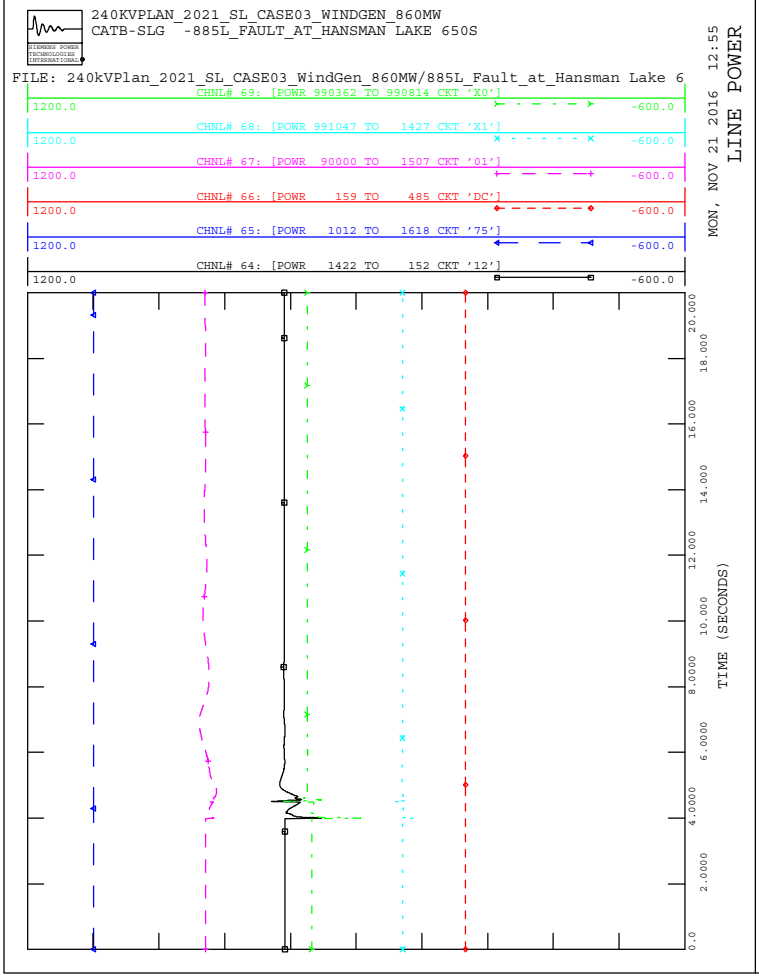
MON, NOV 21 2016 12:55

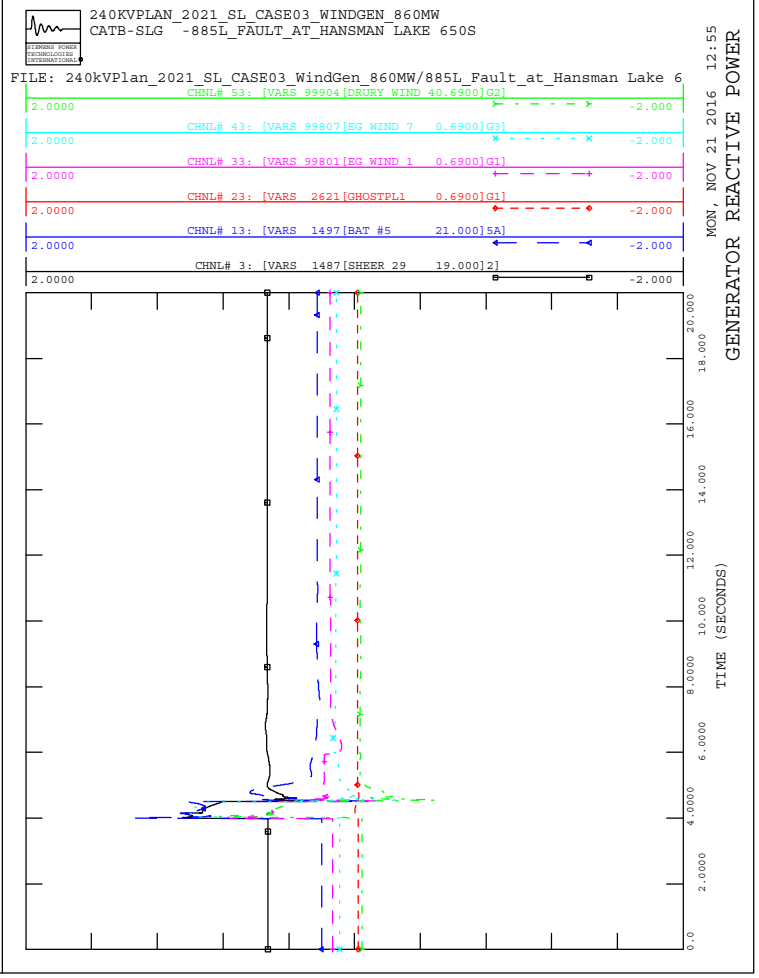
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman_Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman_Lake 6
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:55
LINE POWER

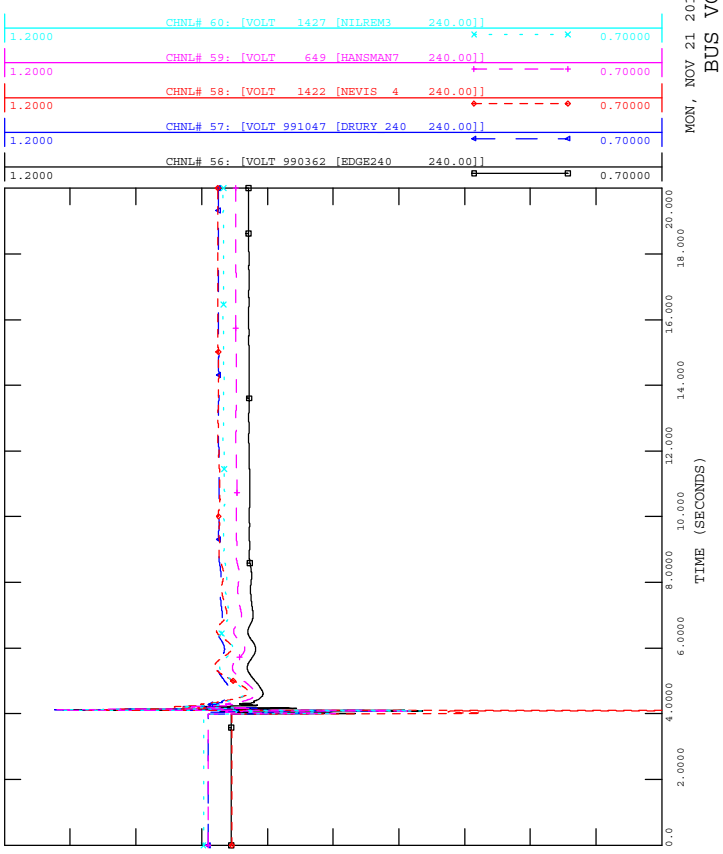

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_Fault_at_Hansman_Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:55

BUS VOLTAGE

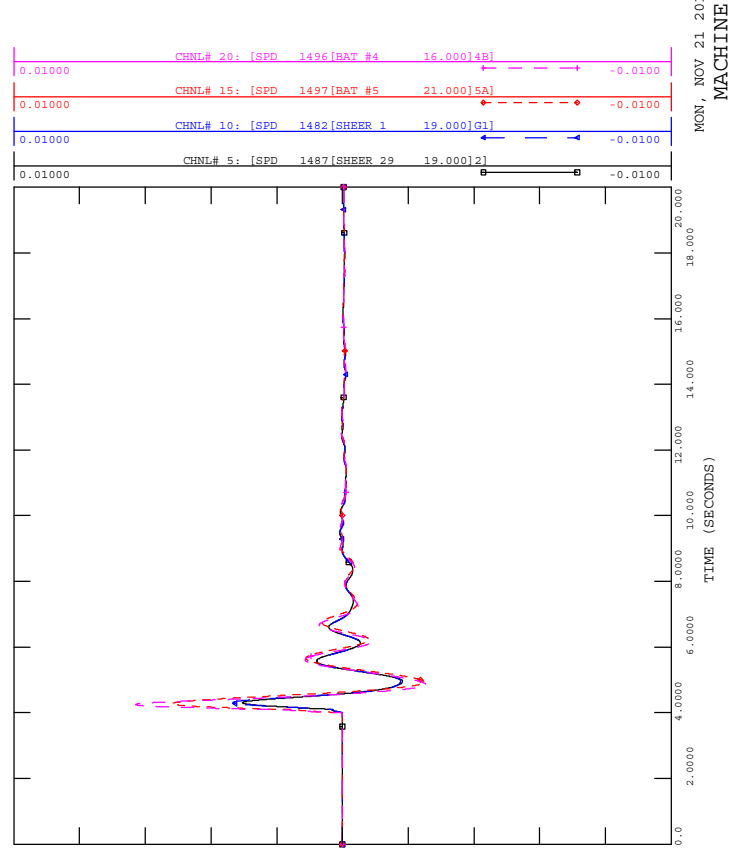


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:55

MACHINE SPEED

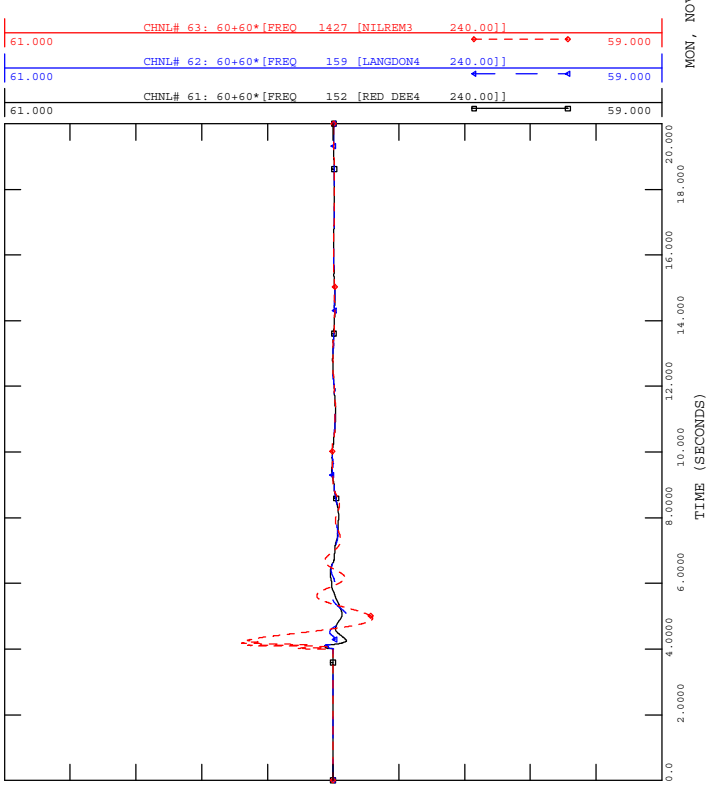


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:55

FREQUENCY

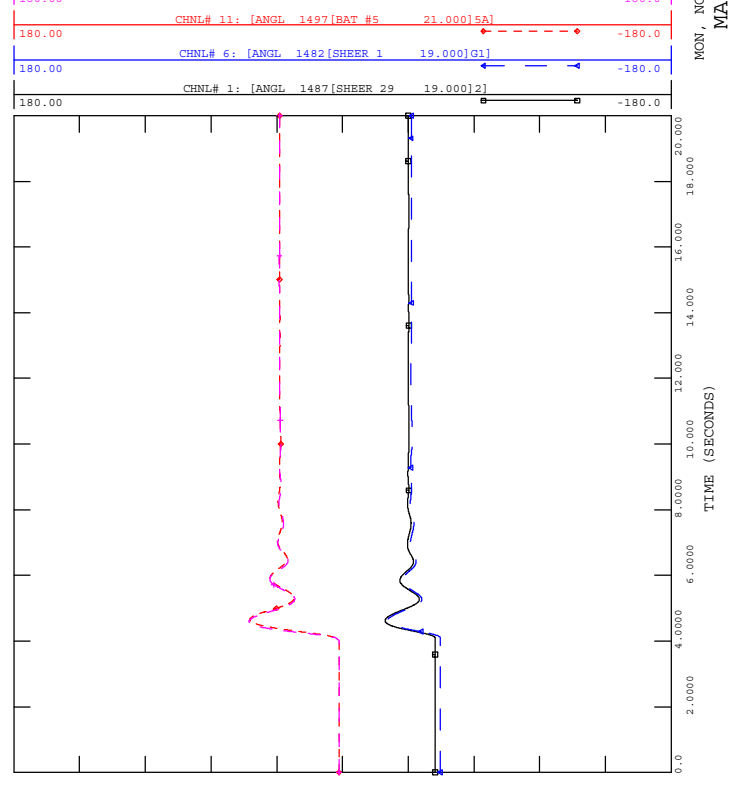


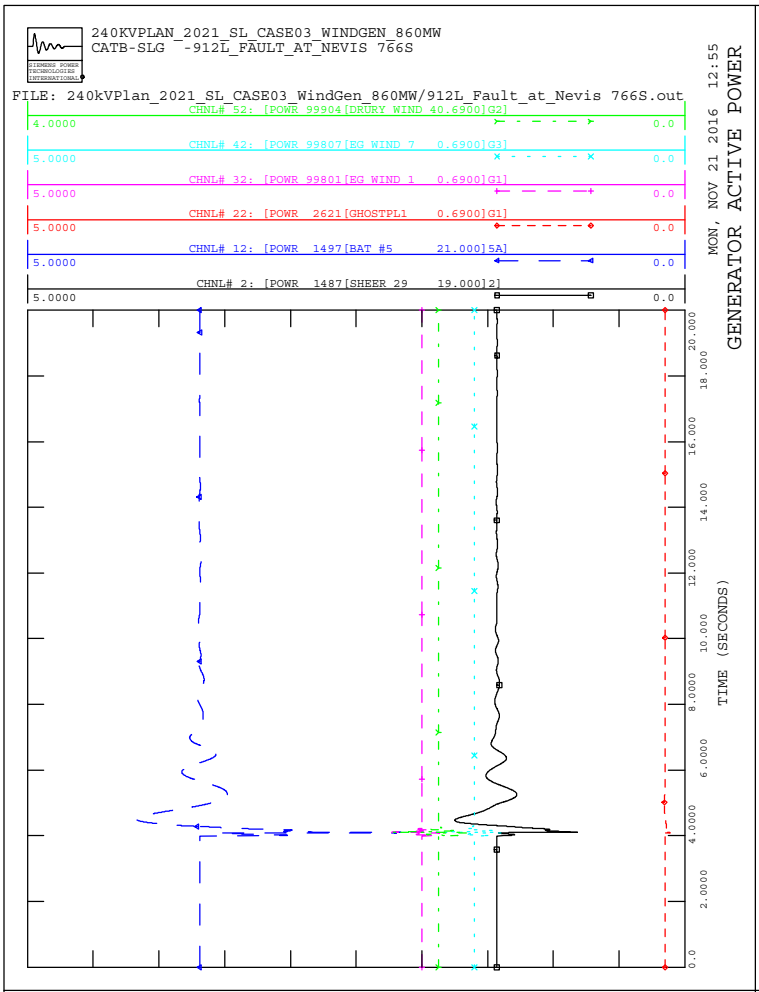
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

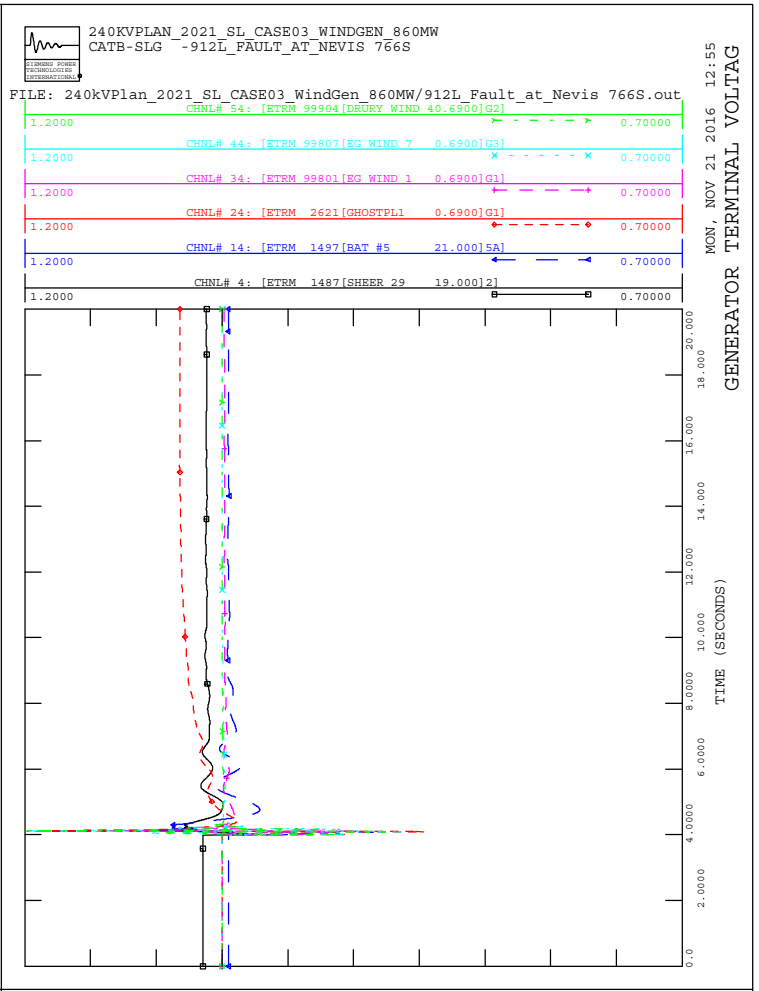
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out

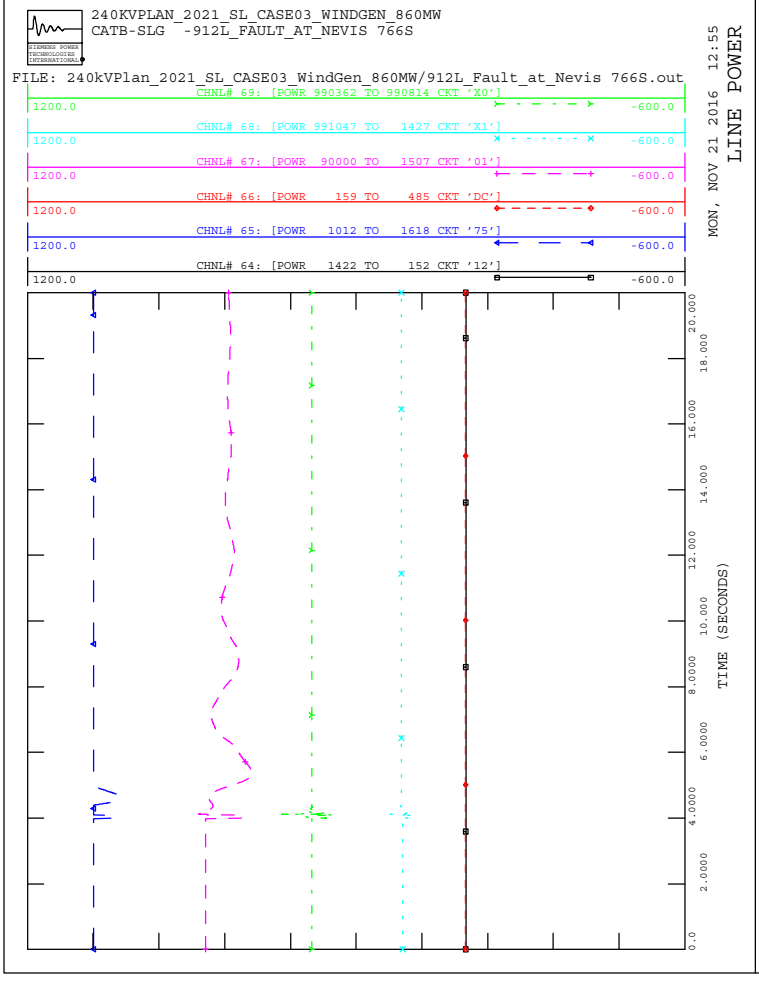
MON, NOV 21 2016 12:55

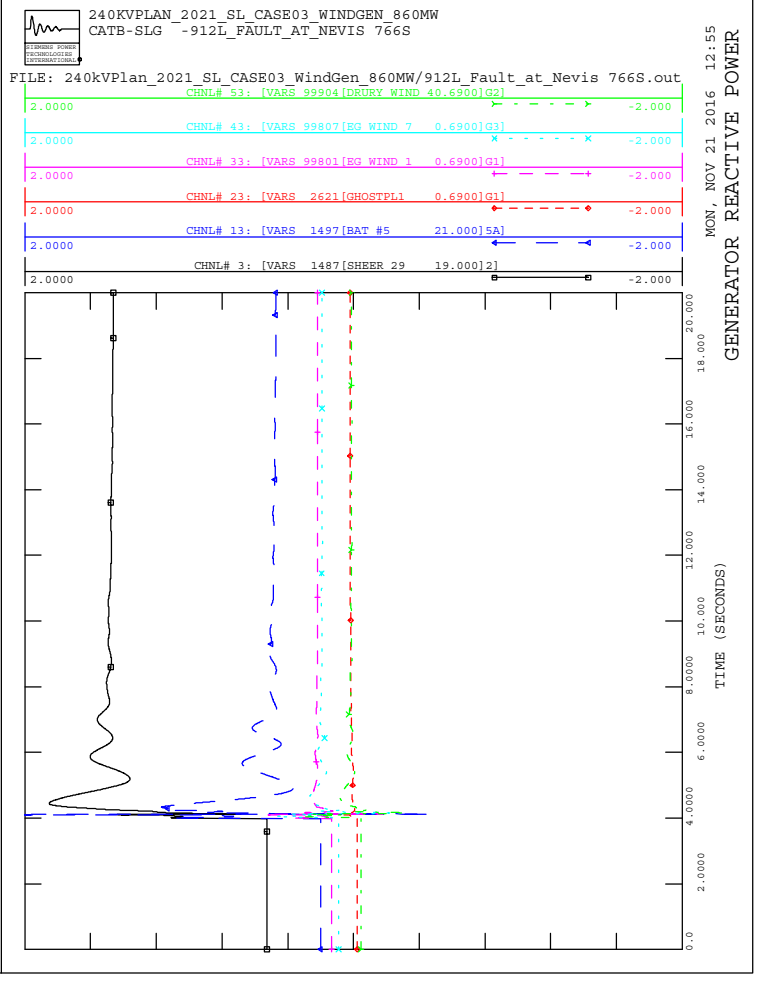
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

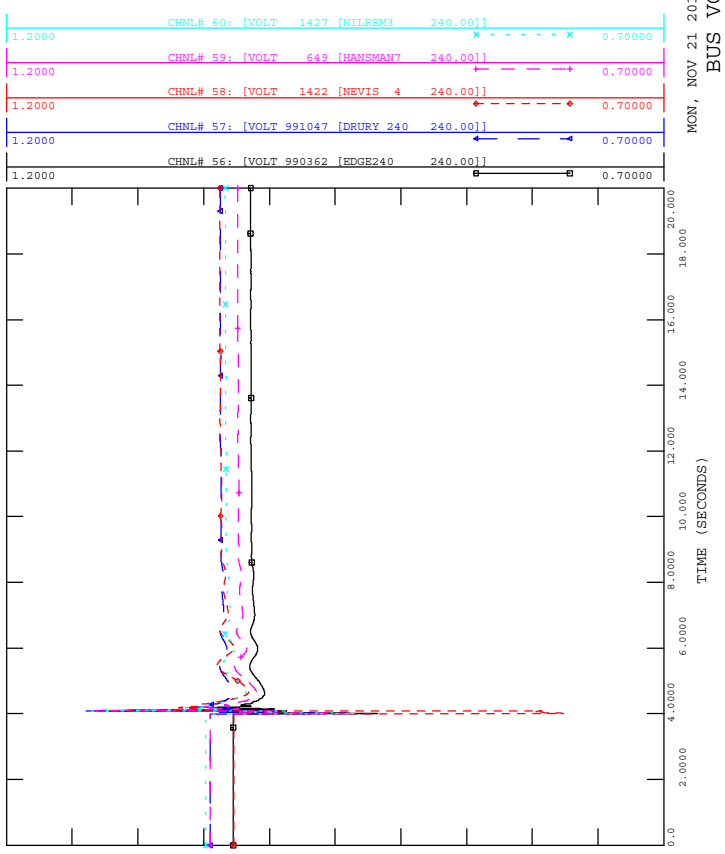

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

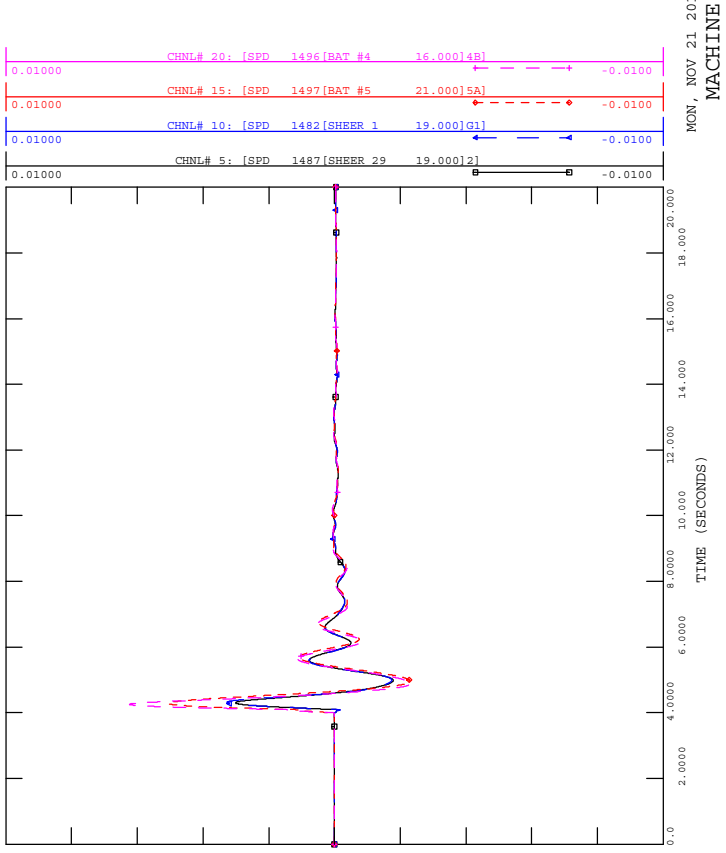


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

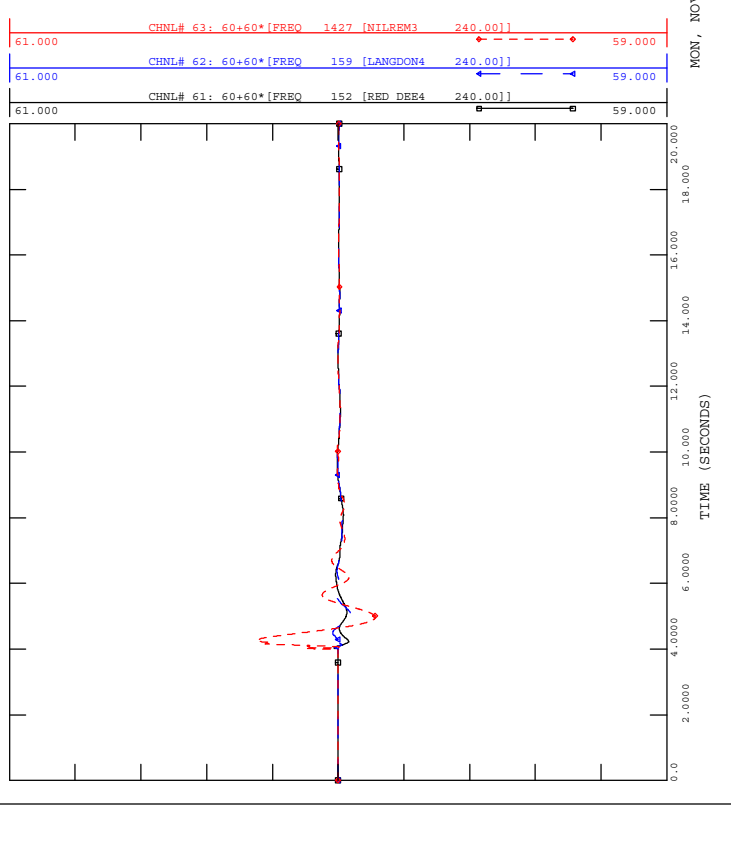


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 12:55

FREQUENCY

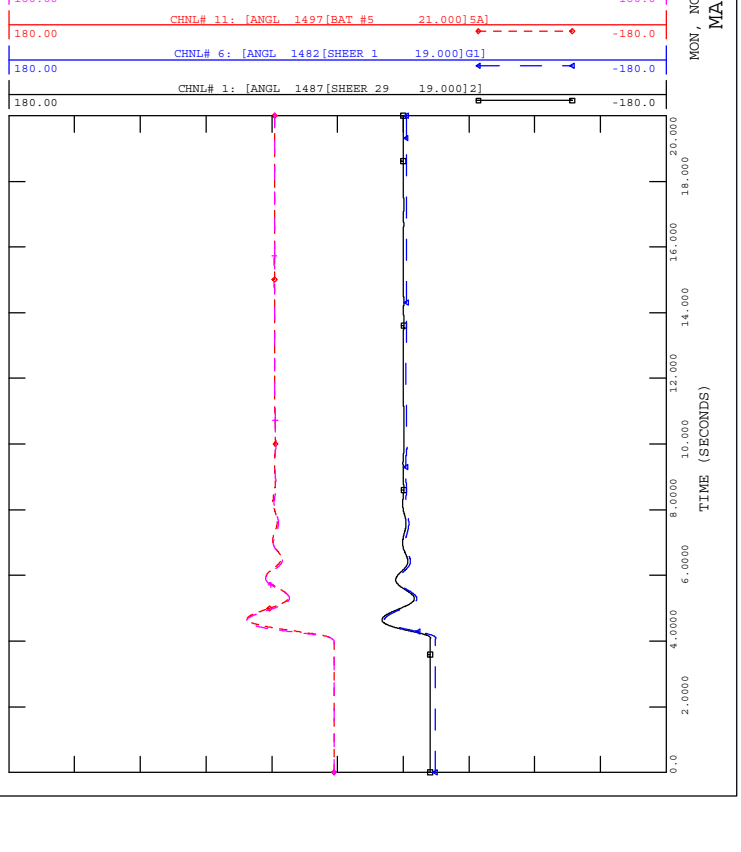


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 12:55

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 12:55

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 12:55

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 12:55

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

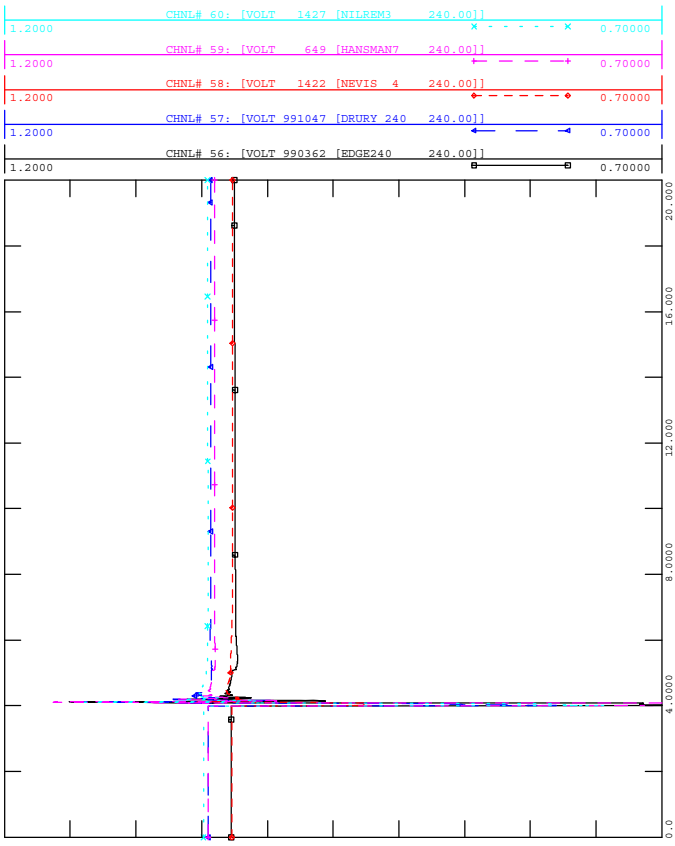
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake

MON, NOV 21 2016 12:55

BUS VOLTAGE

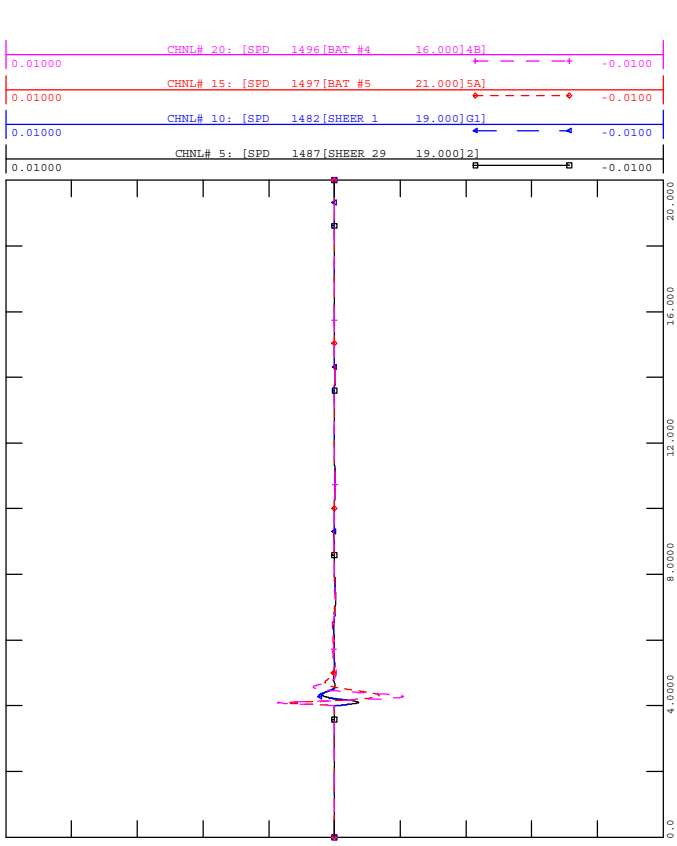


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake

MON, NOV 21 2016 12:55

MACHINE SPEED

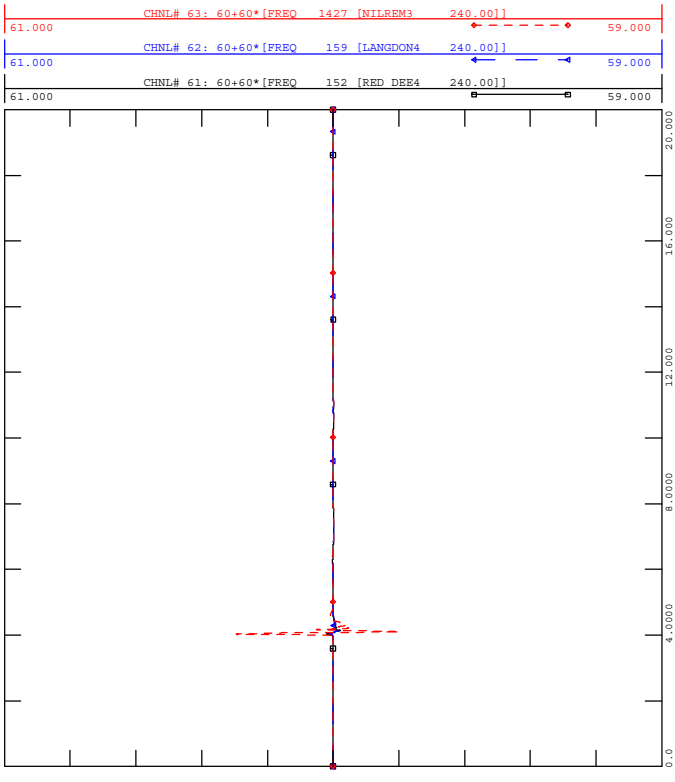


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake

MON, NOV 21 2016 12:55

FREQUENCY

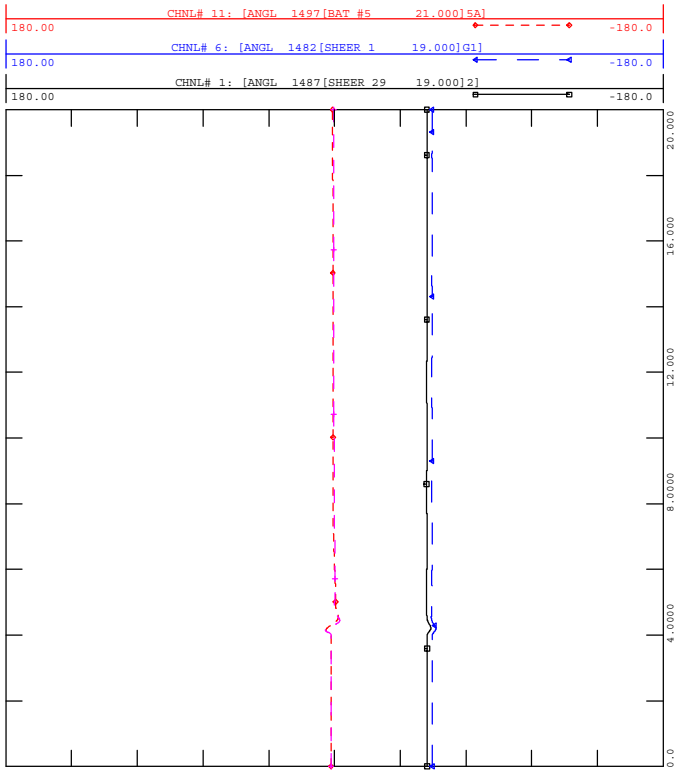


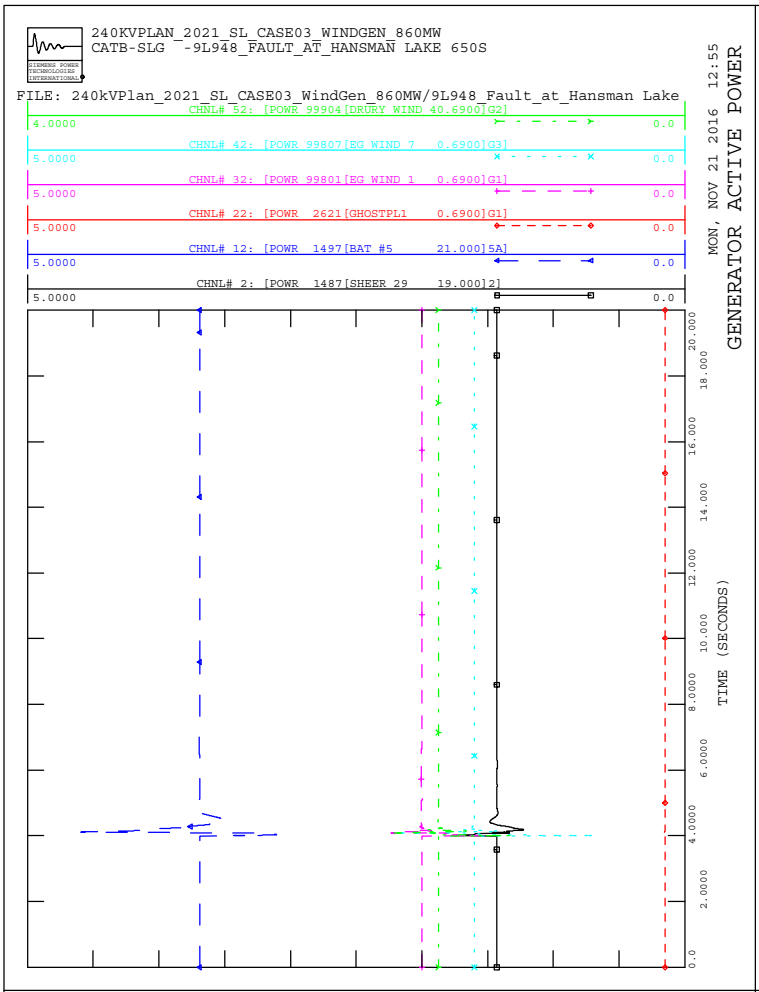
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

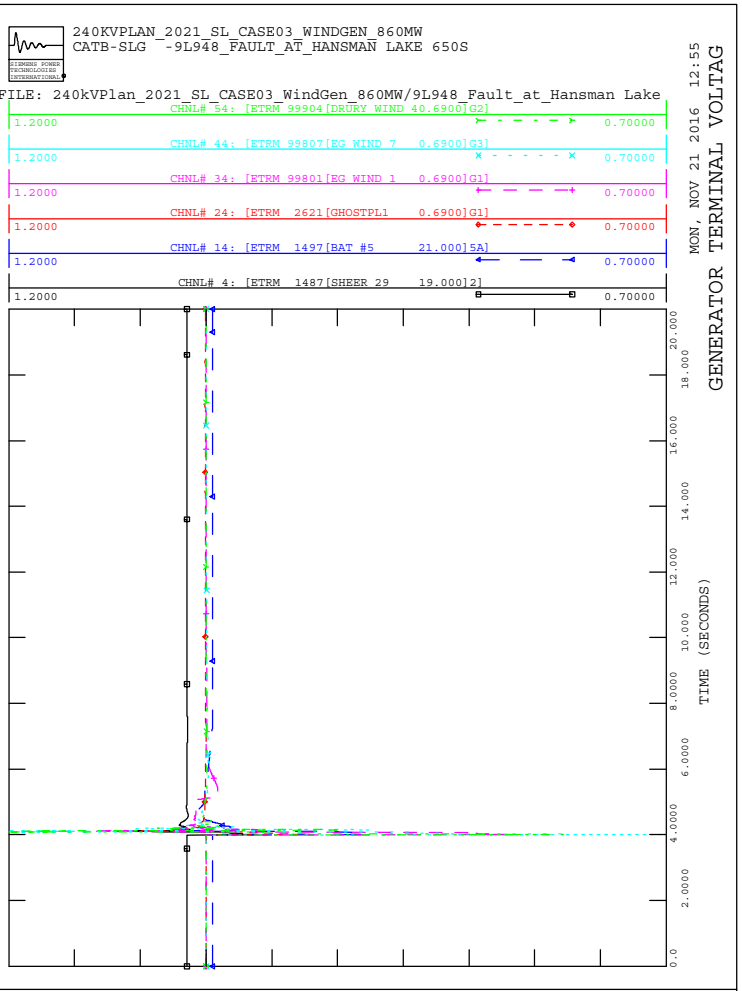
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake

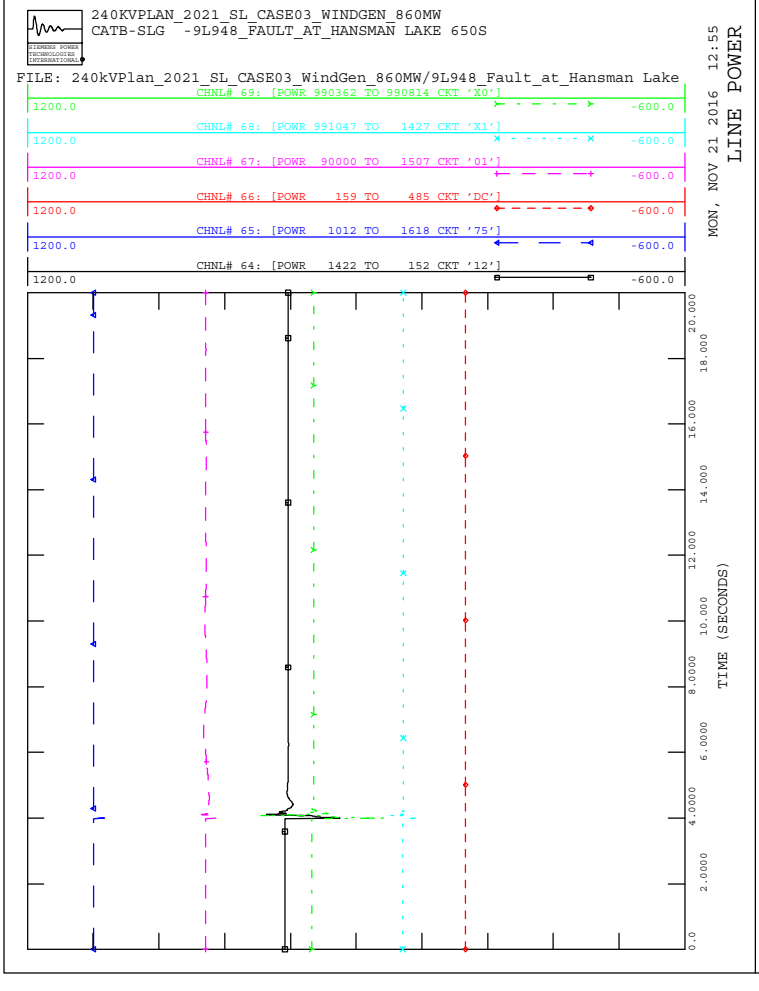
MON, NOV 21 2016 12:55

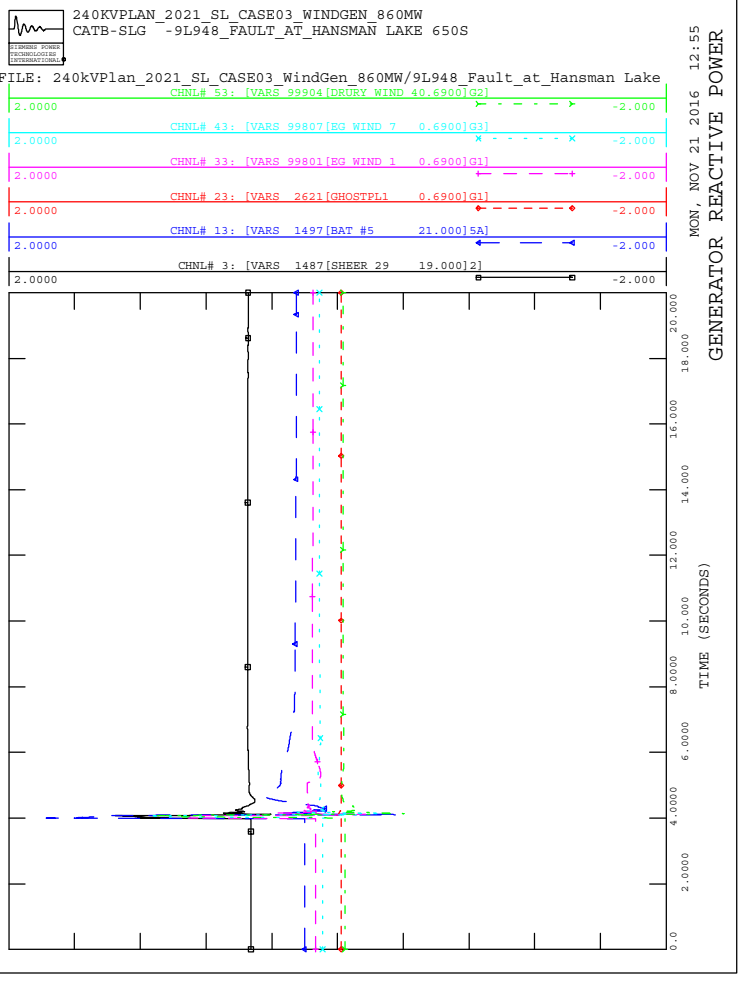
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:55
LINE POWER

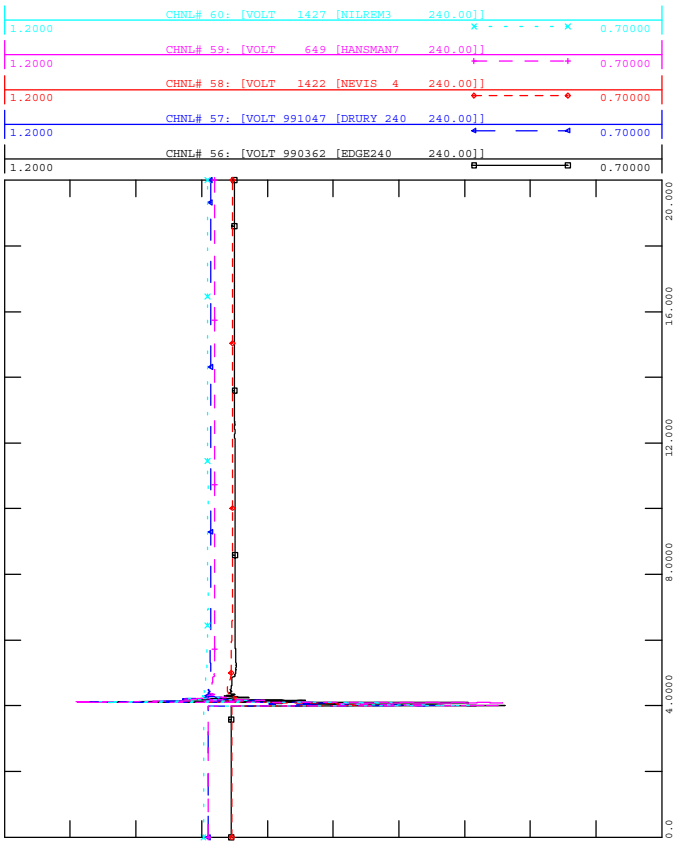

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 12:55

BUS VOLTAGE

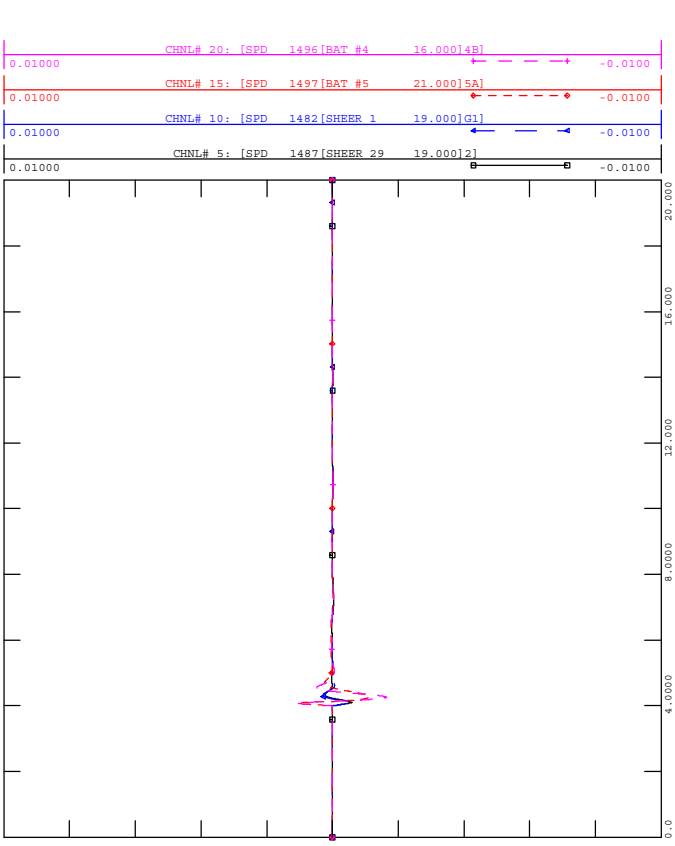


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 12:55

MACHINE SPEED

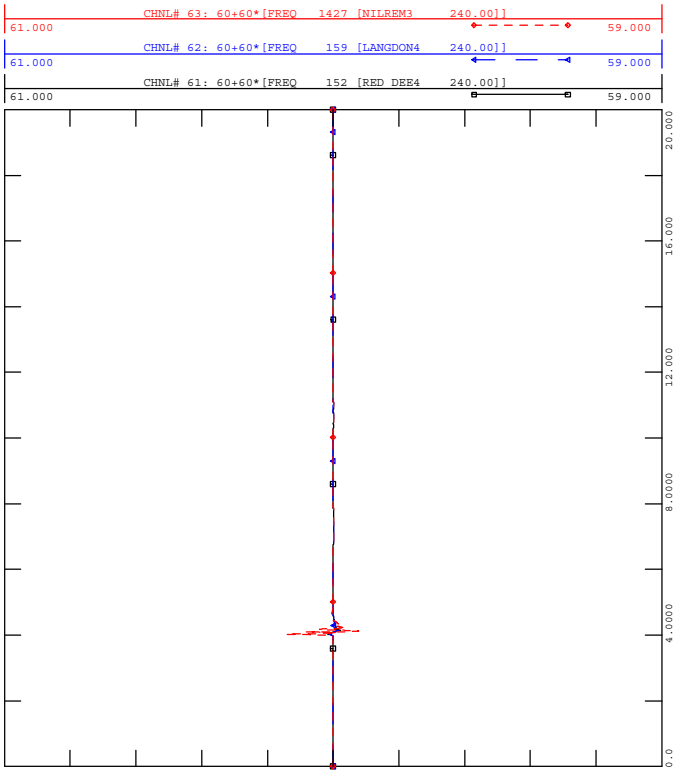


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 12:55

FREQUENCY

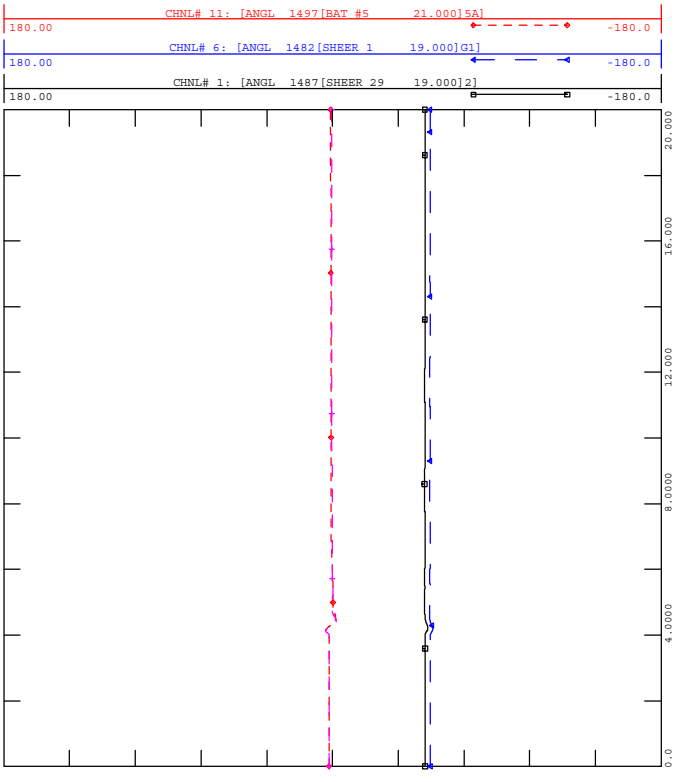


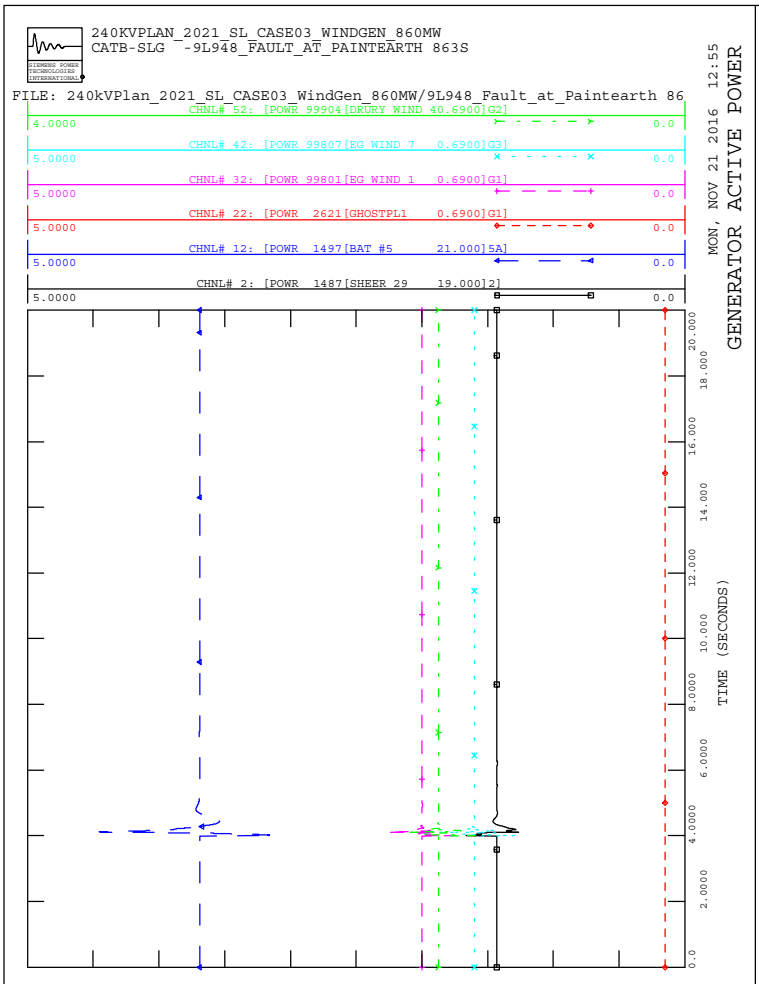
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

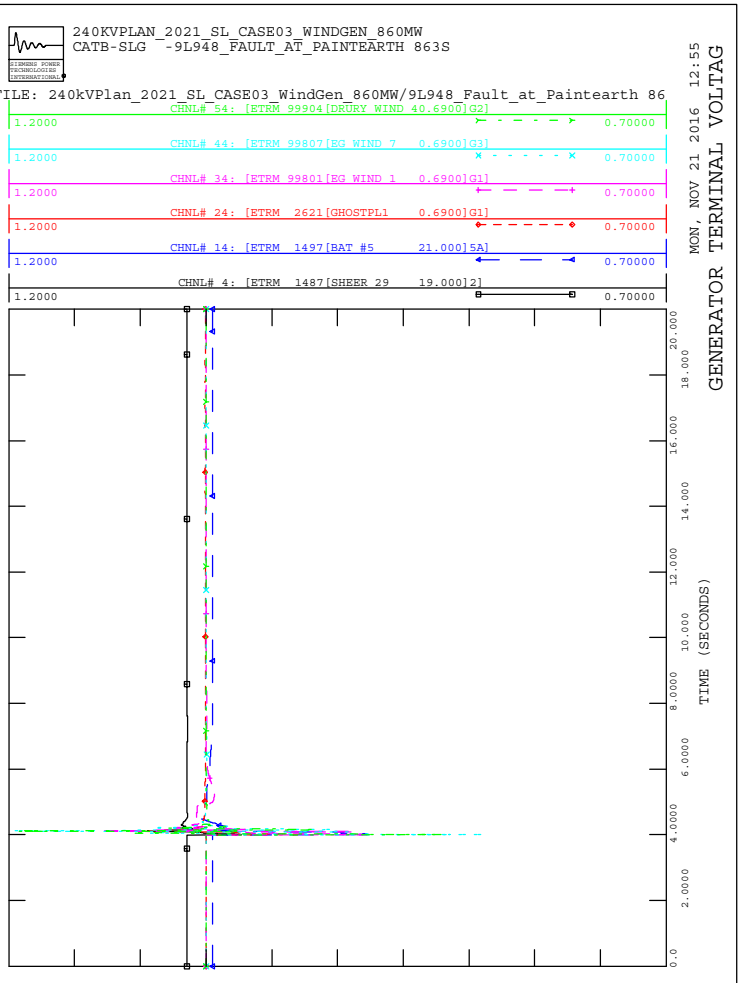
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86

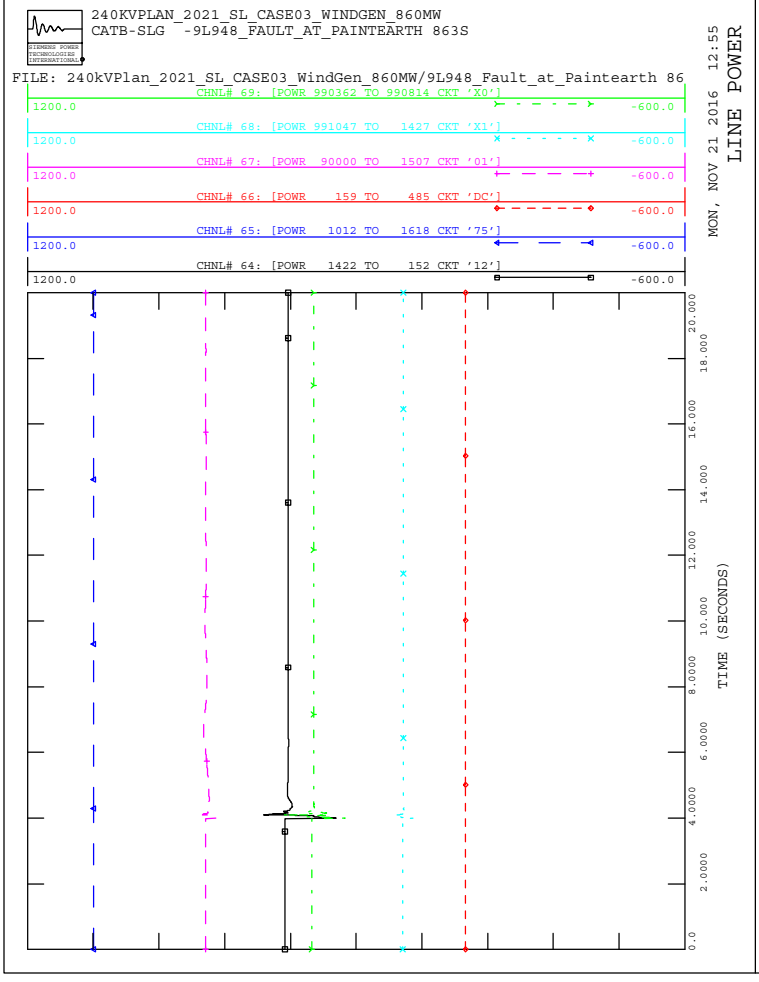
MON, NOV 21 2016 12:55

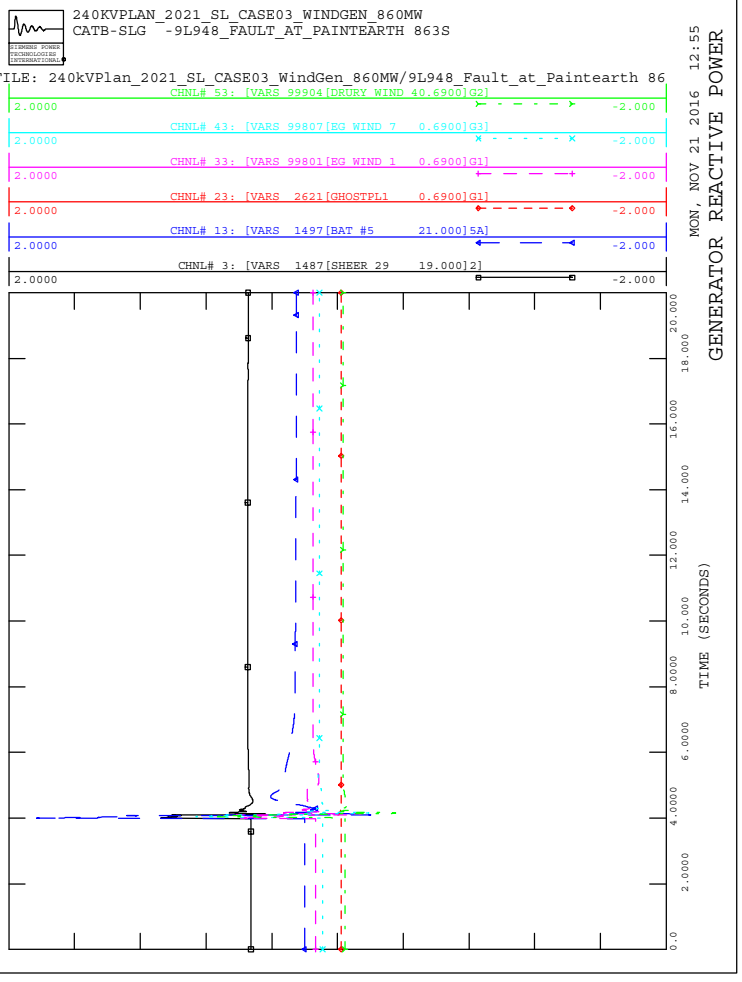
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

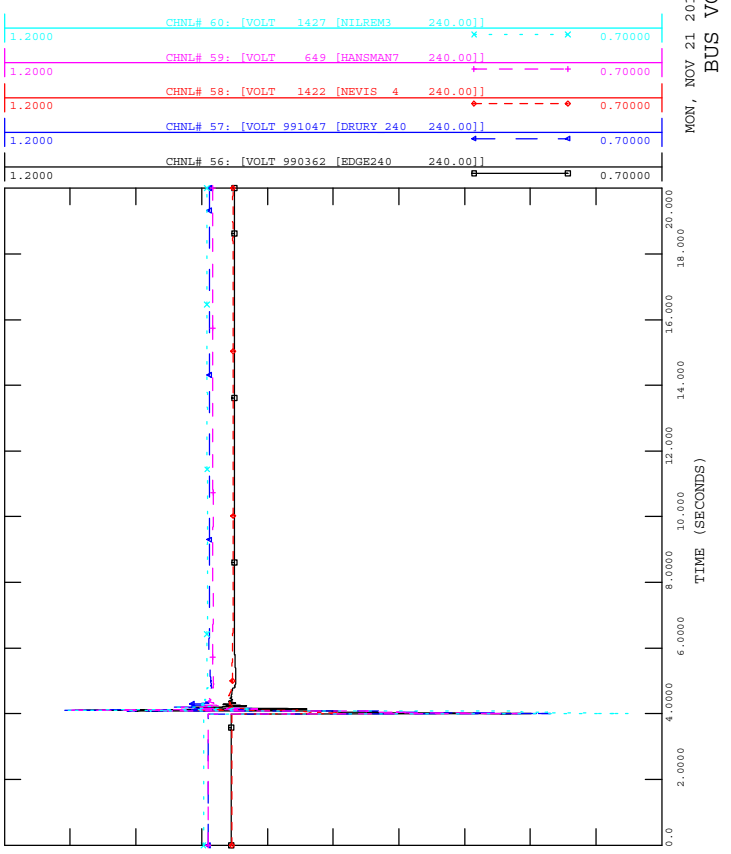

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L948_Fault_at_Paintearth 86
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

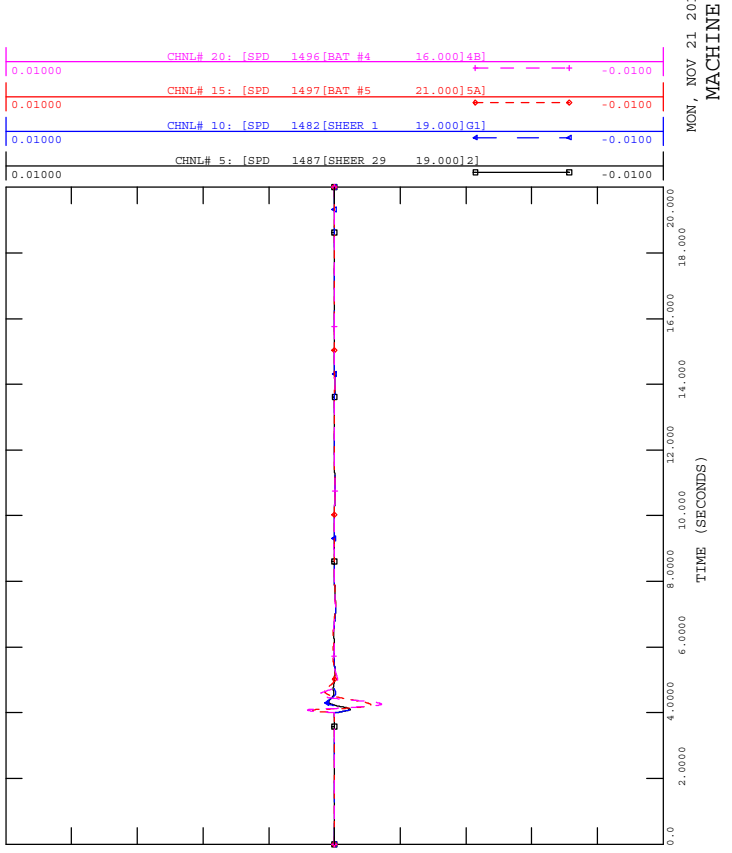


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

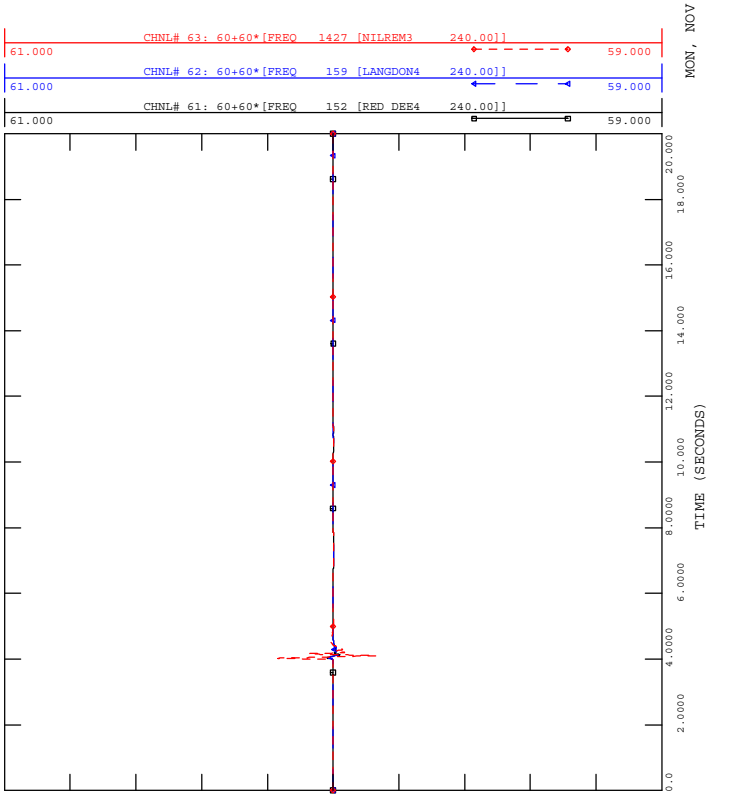


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 12:55

FREQUENCY

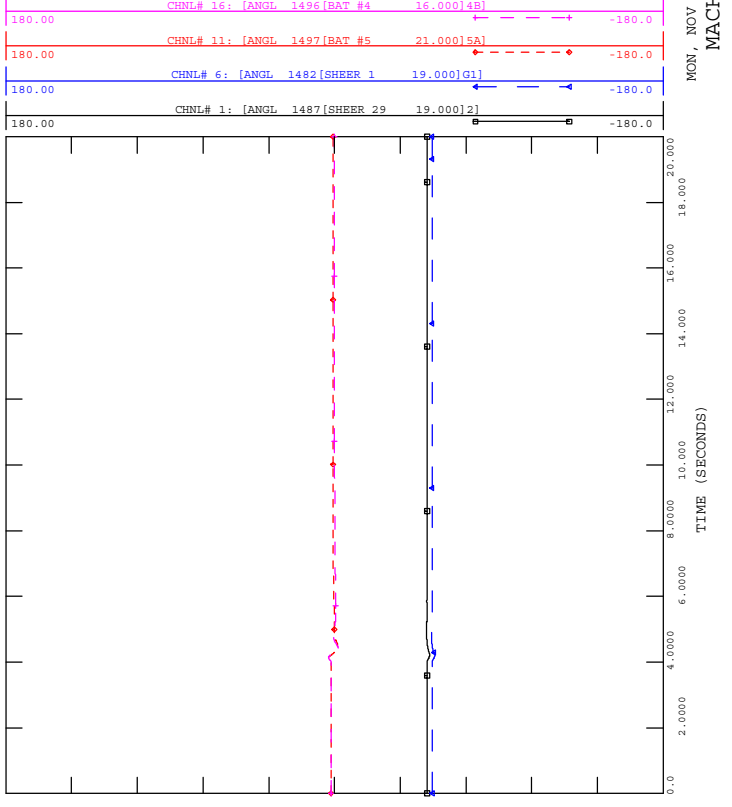


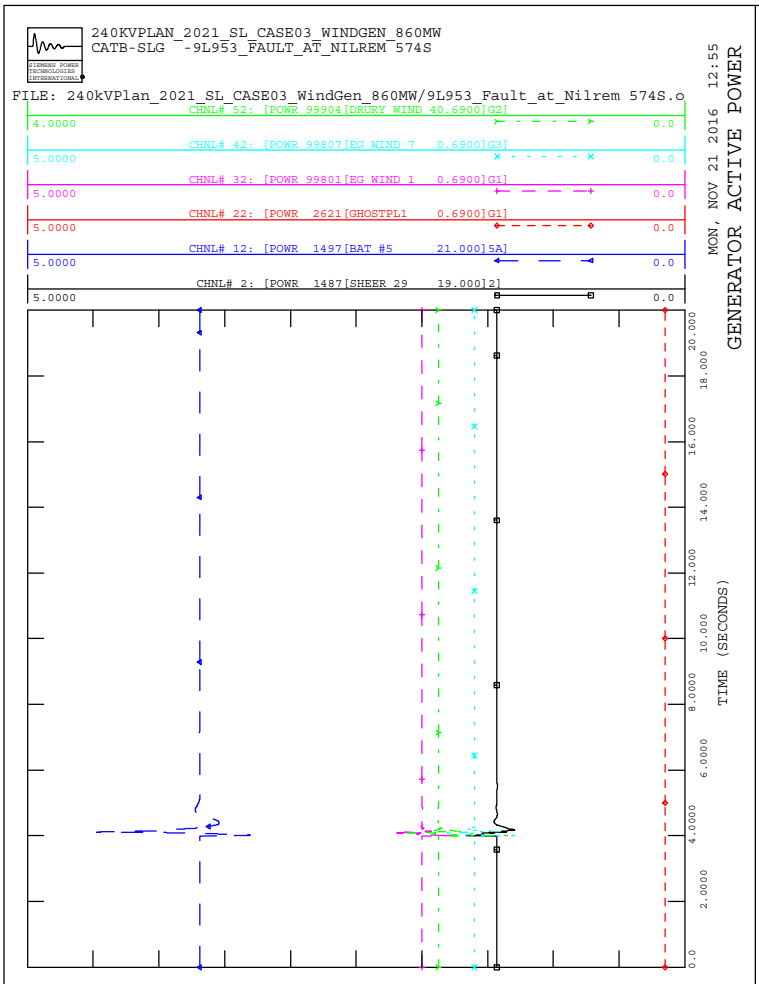
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

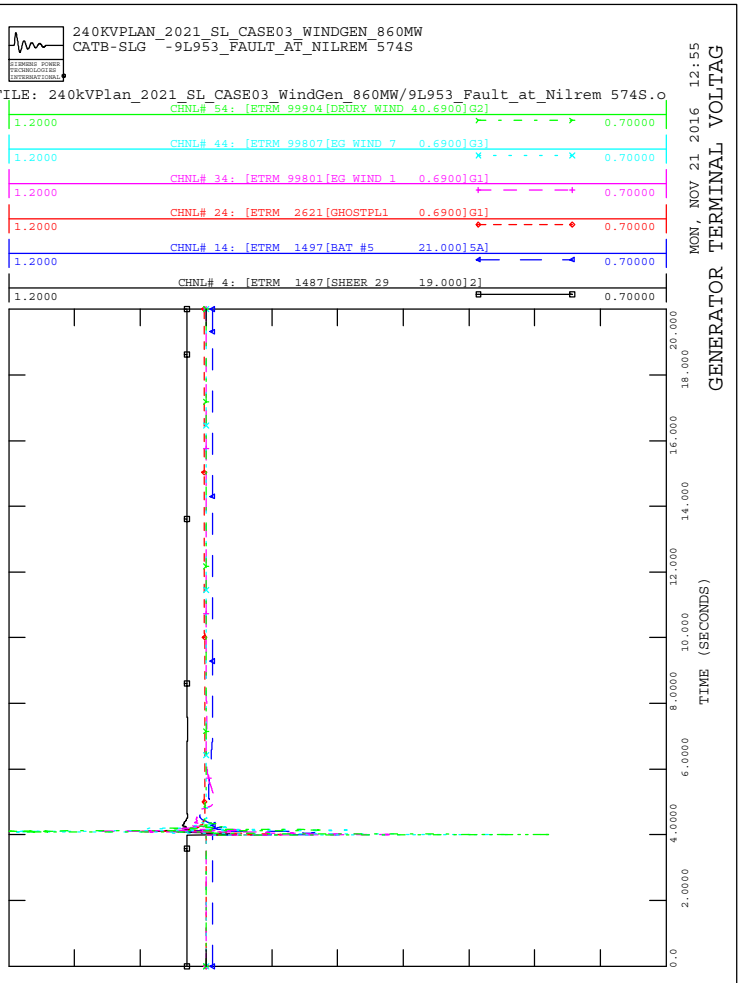
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

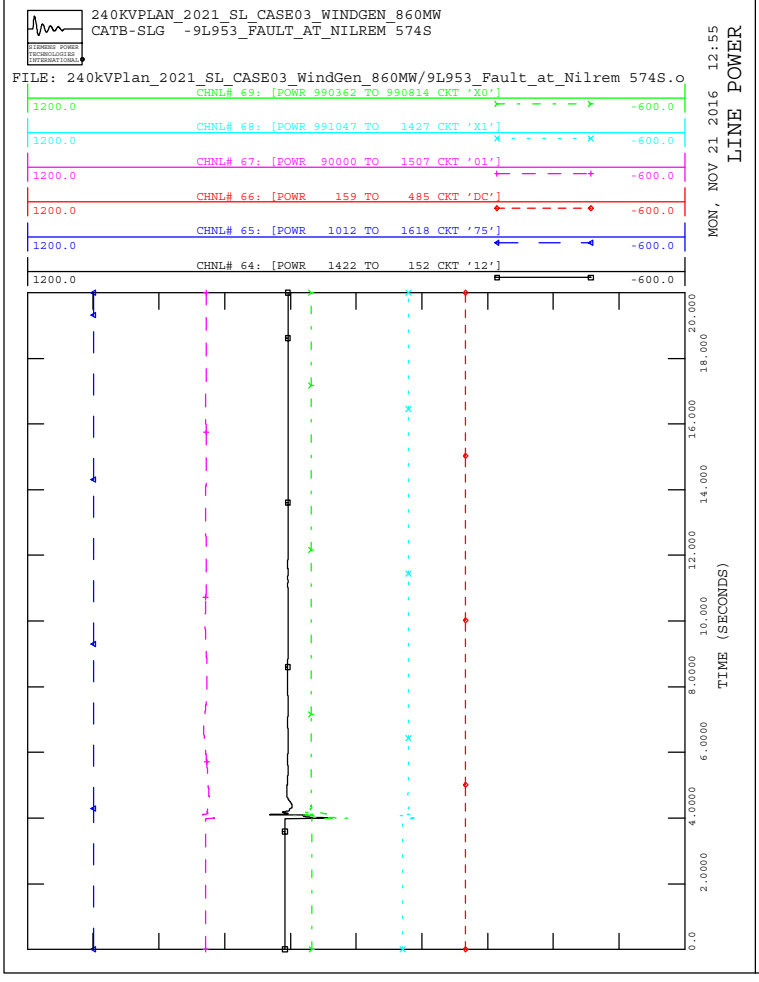
MON, NOV 21 2016 12:55

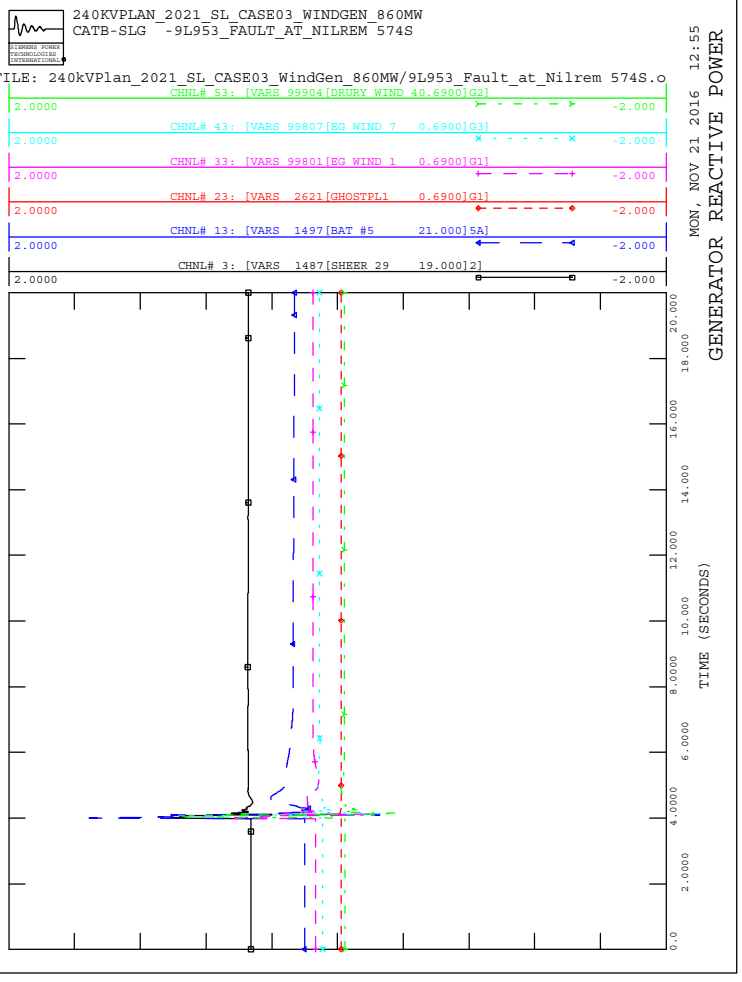
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

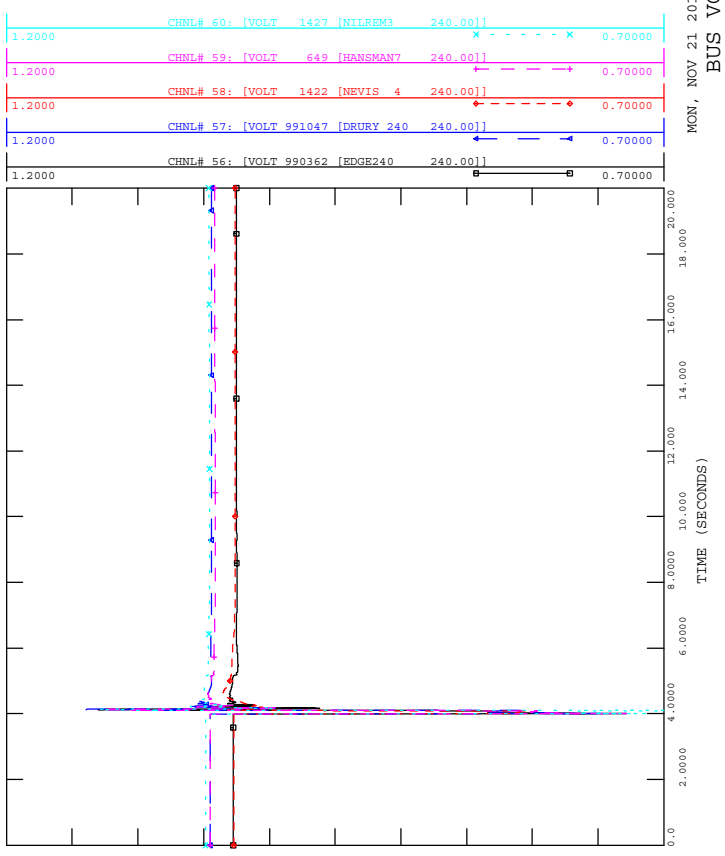

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

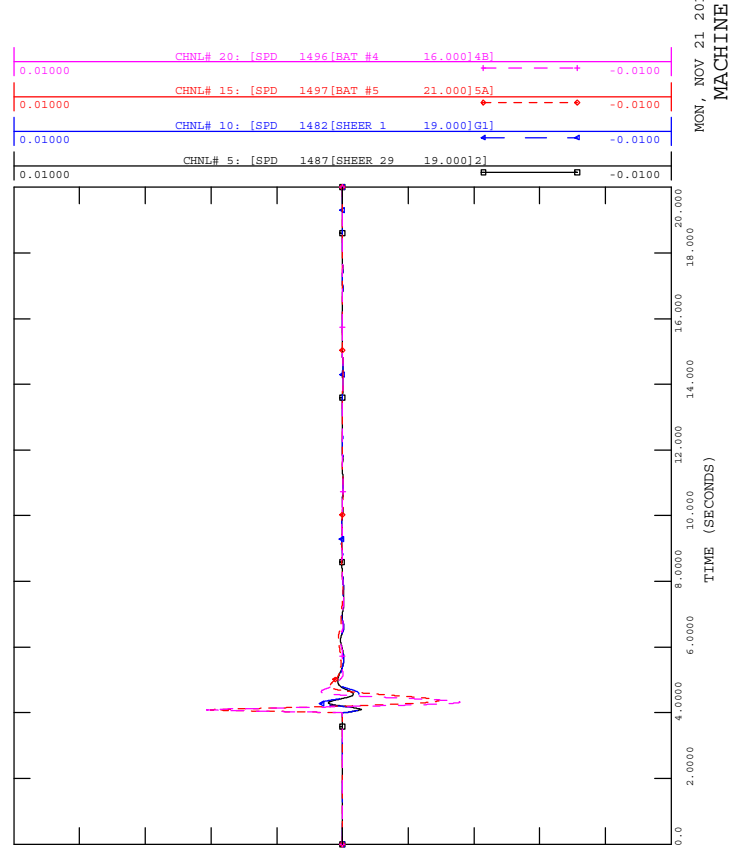


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

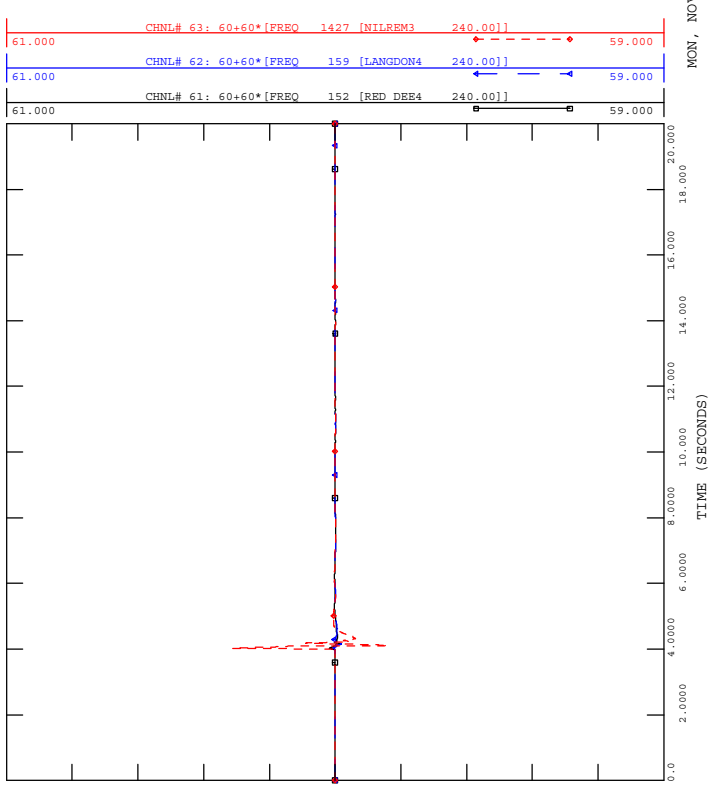


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 12:55

FREQUENCY

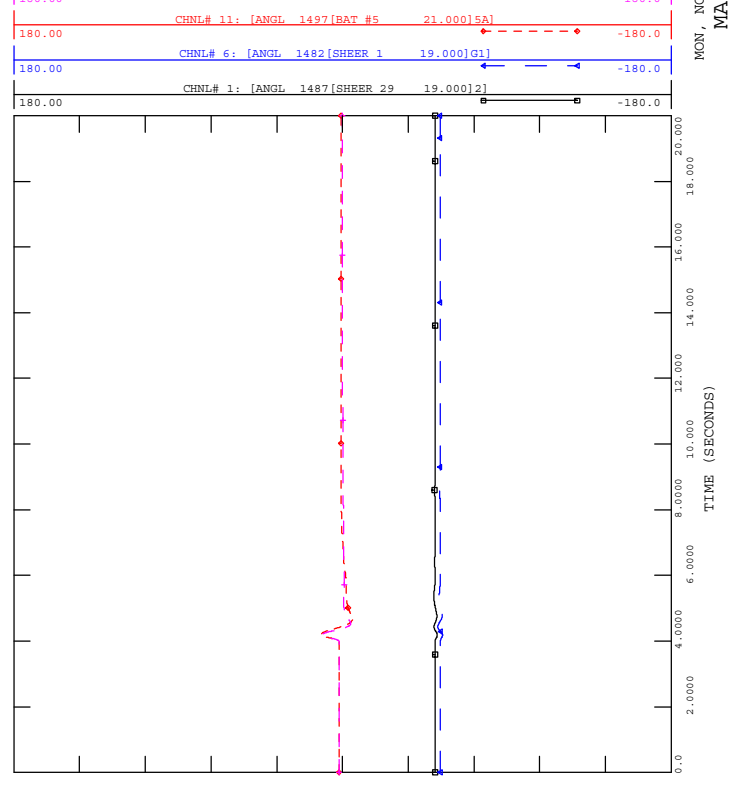


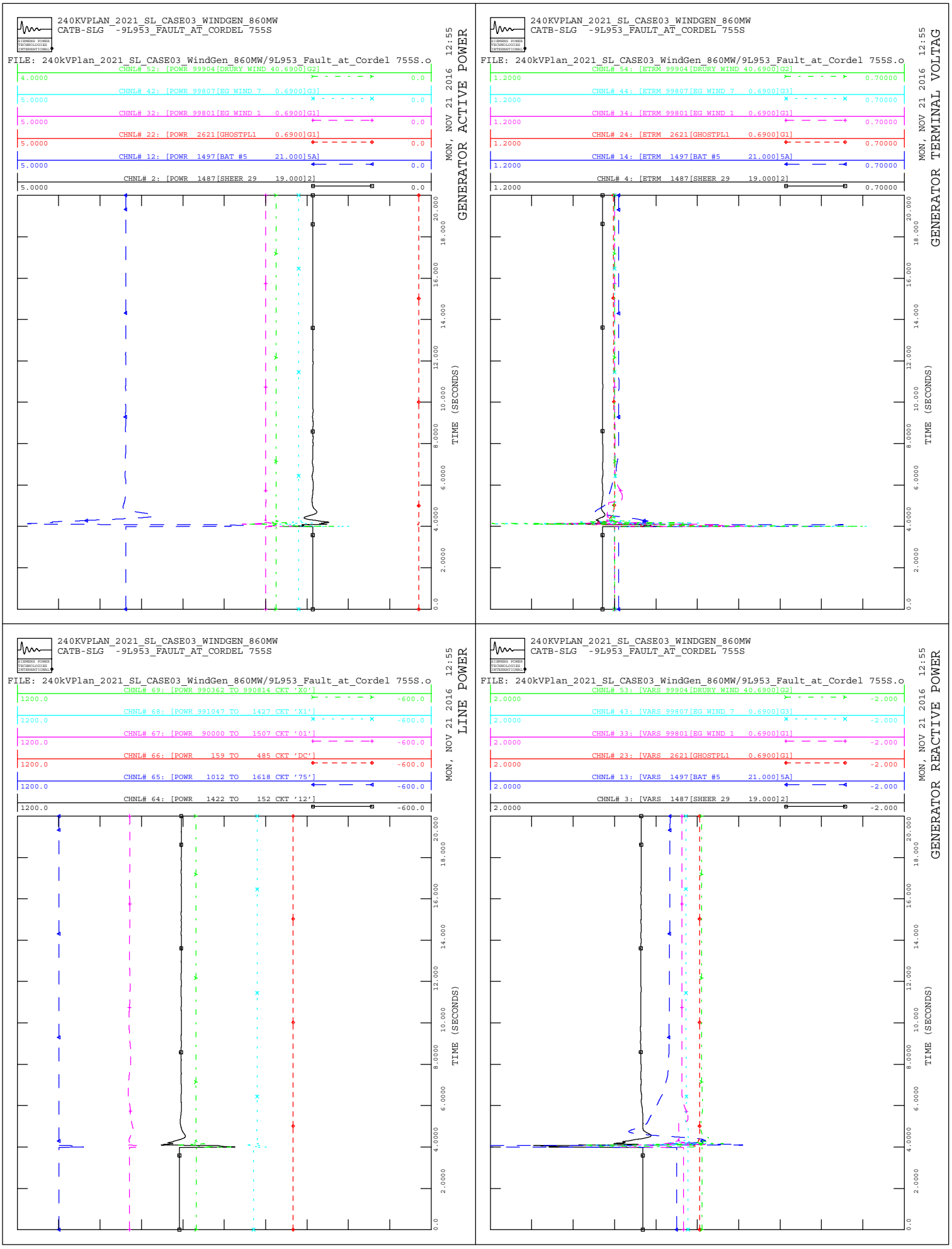
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 12:55

MACHINE ANGEL



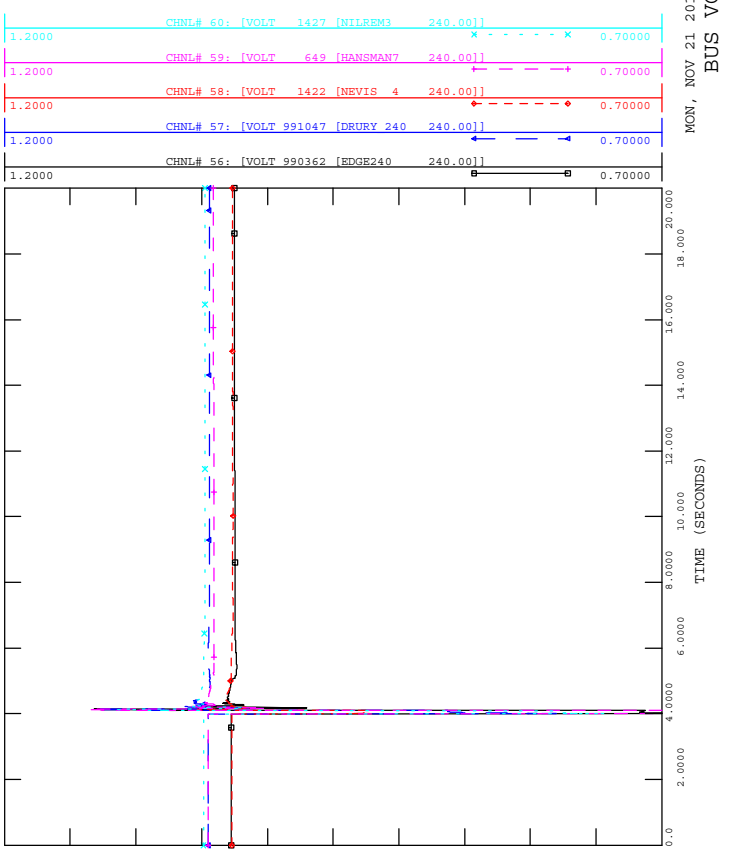

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_Fault_at_Cordel 755S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

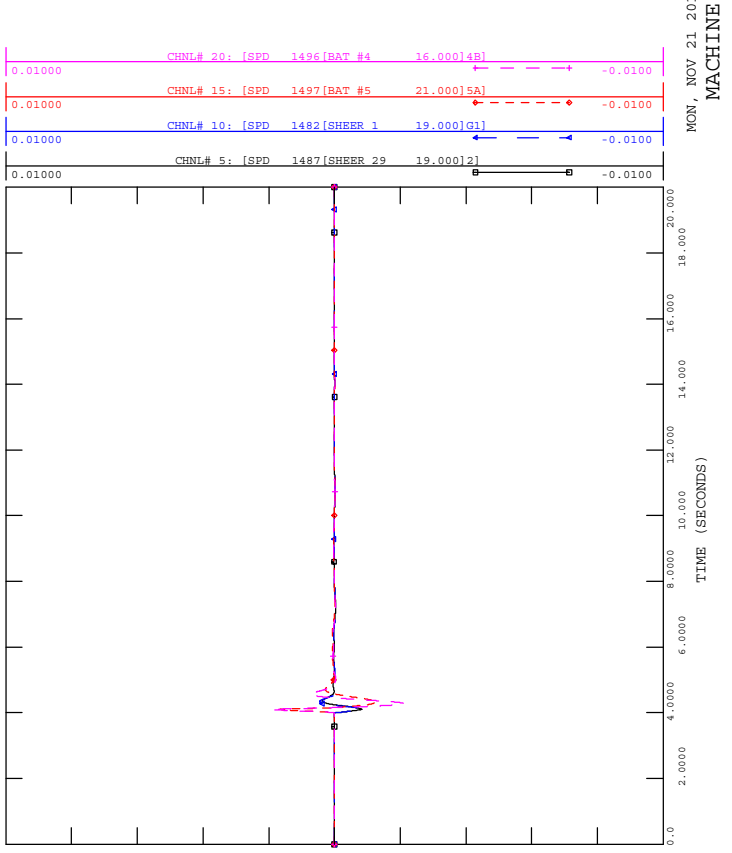


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

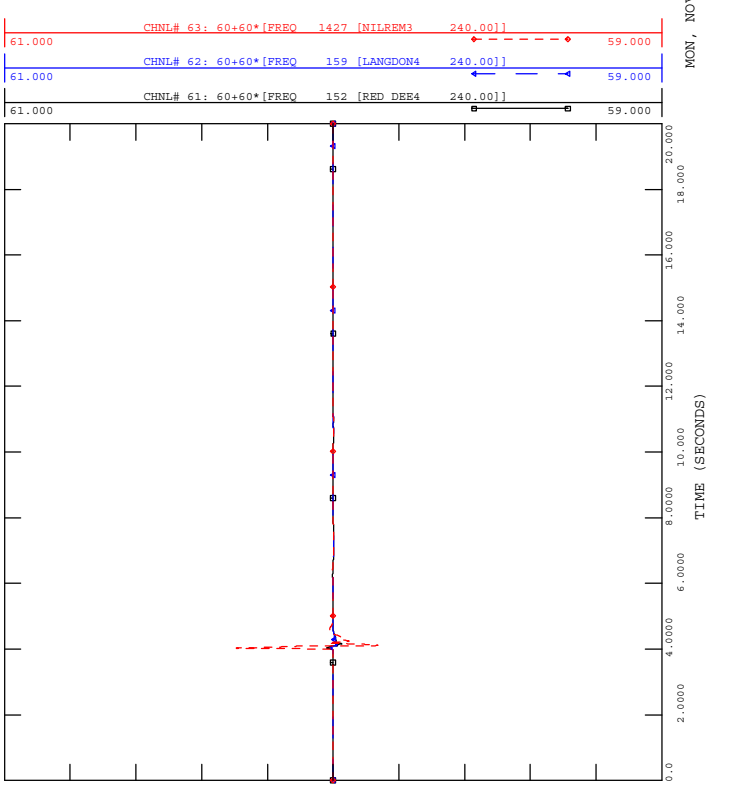


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 12:55

FREQUENCY

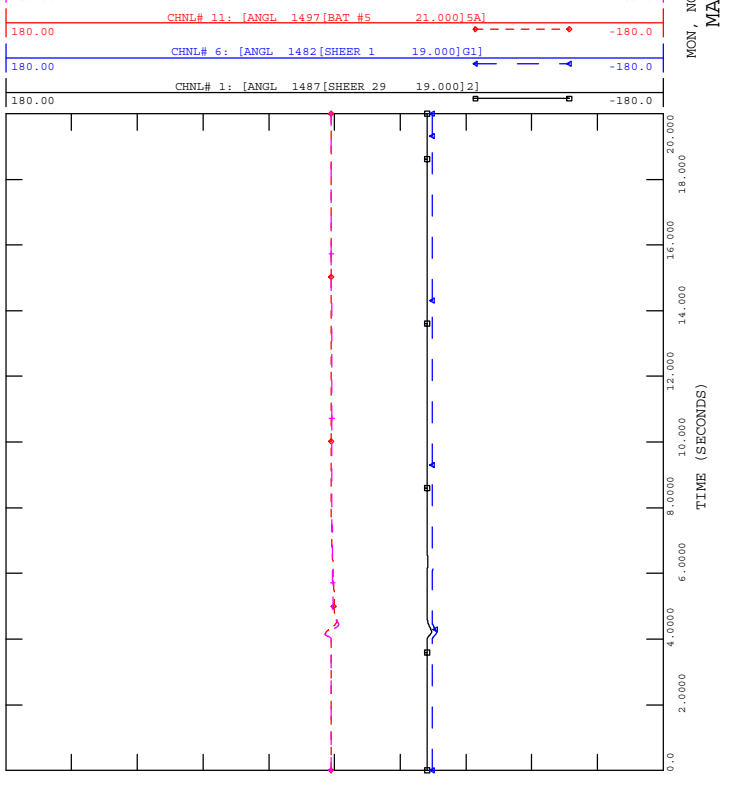


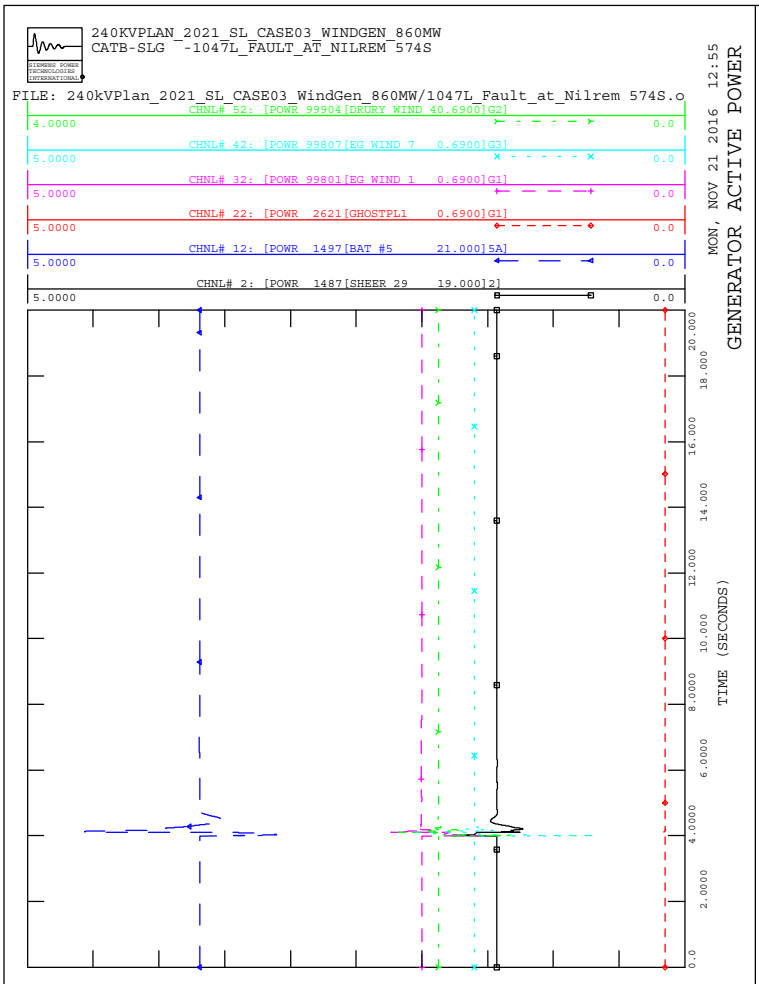
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S

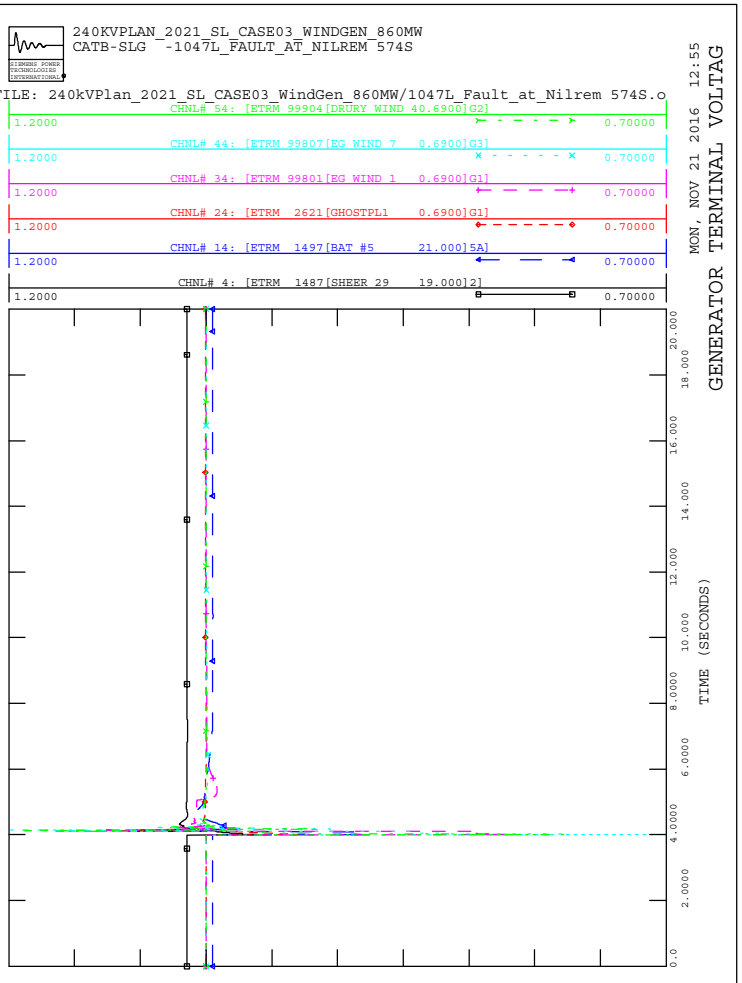
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

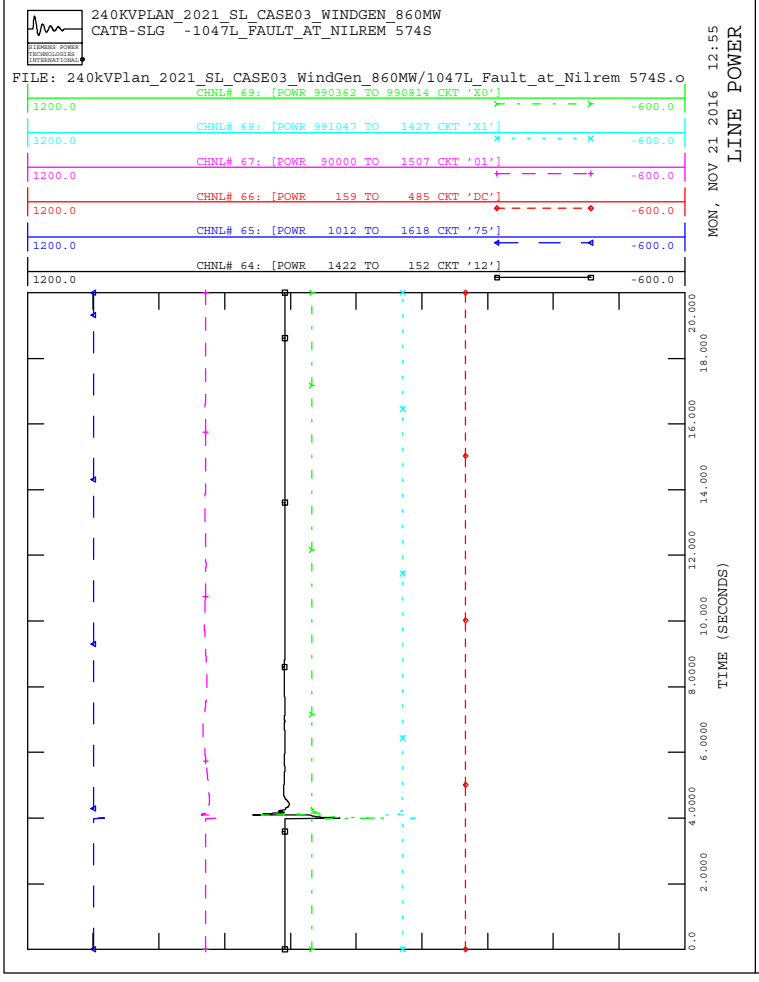
MON, NOV 21 2016 12:55

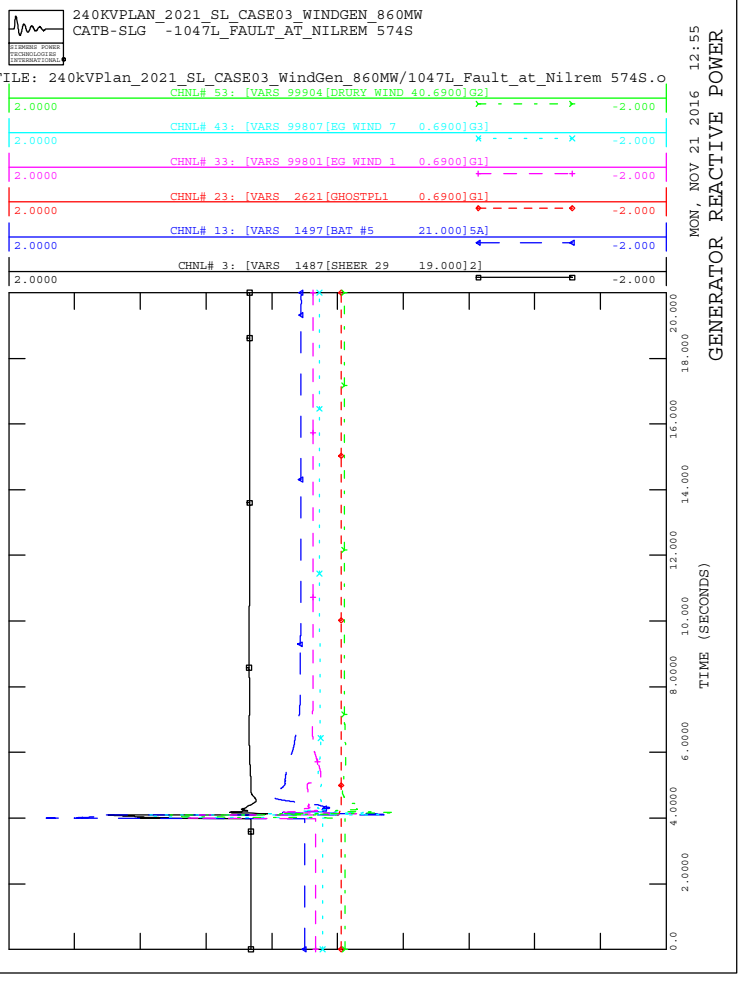
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

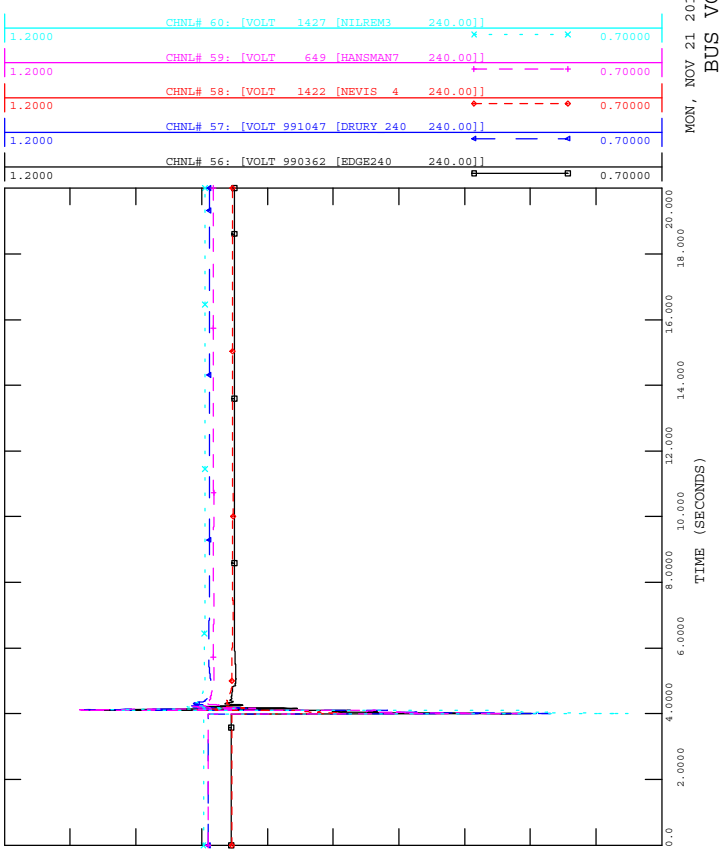

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake

MON, NOV 21 2016 12:55

BUS VOLTAGE

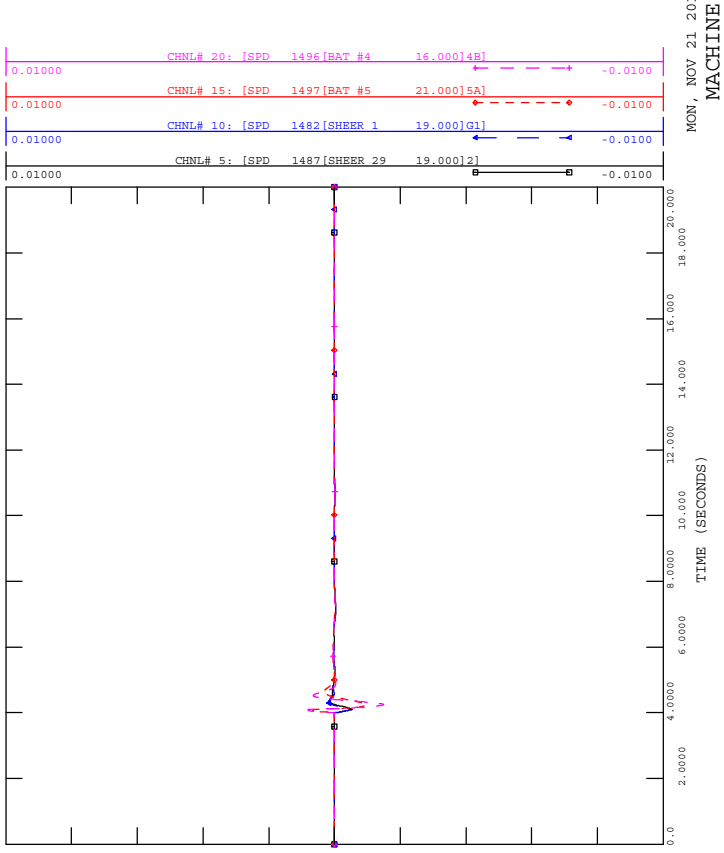


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake

MON, NOV 21 2016 12:55

MACHINE SPEED

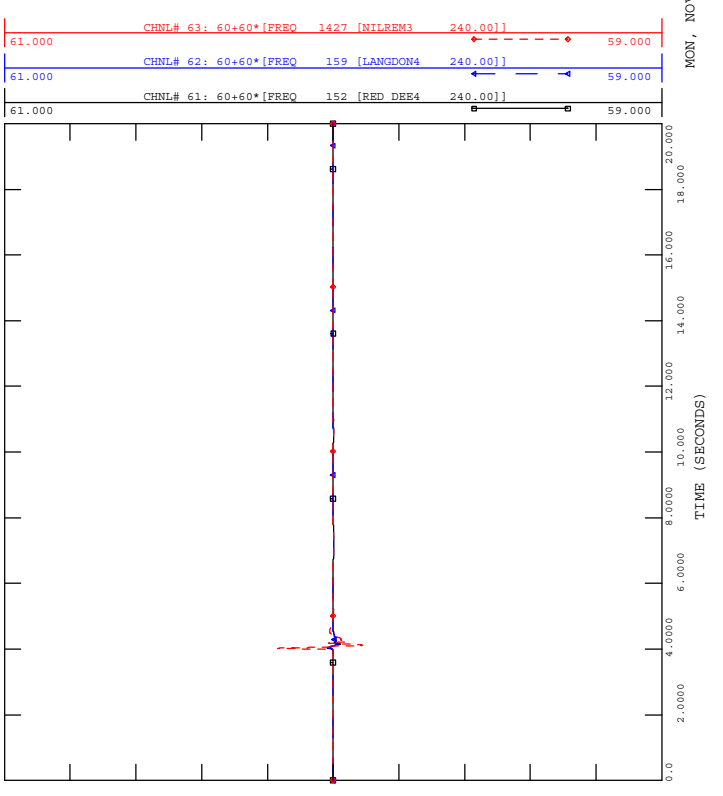


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake

MON, NOV 21 2016 12:55

FREQUENCY

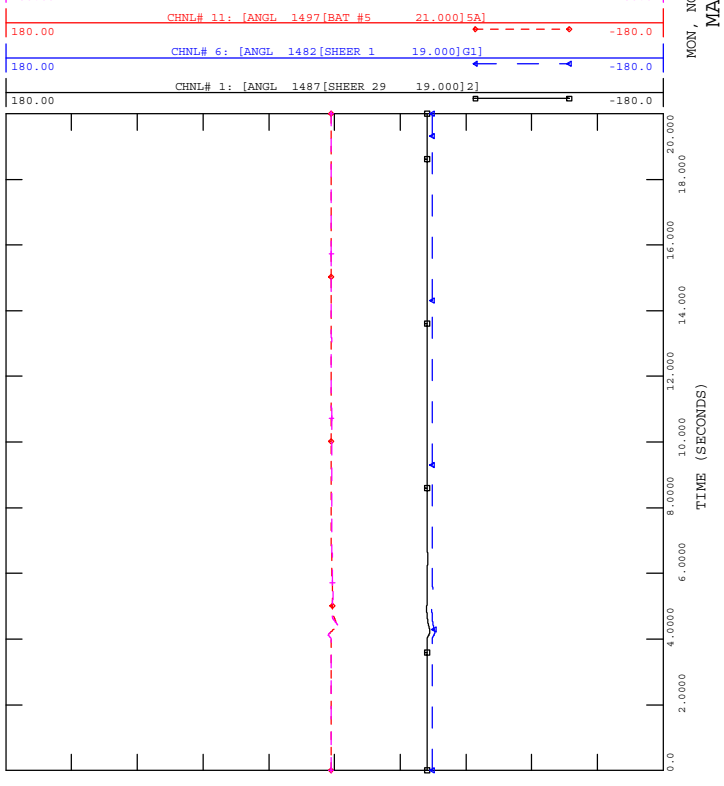


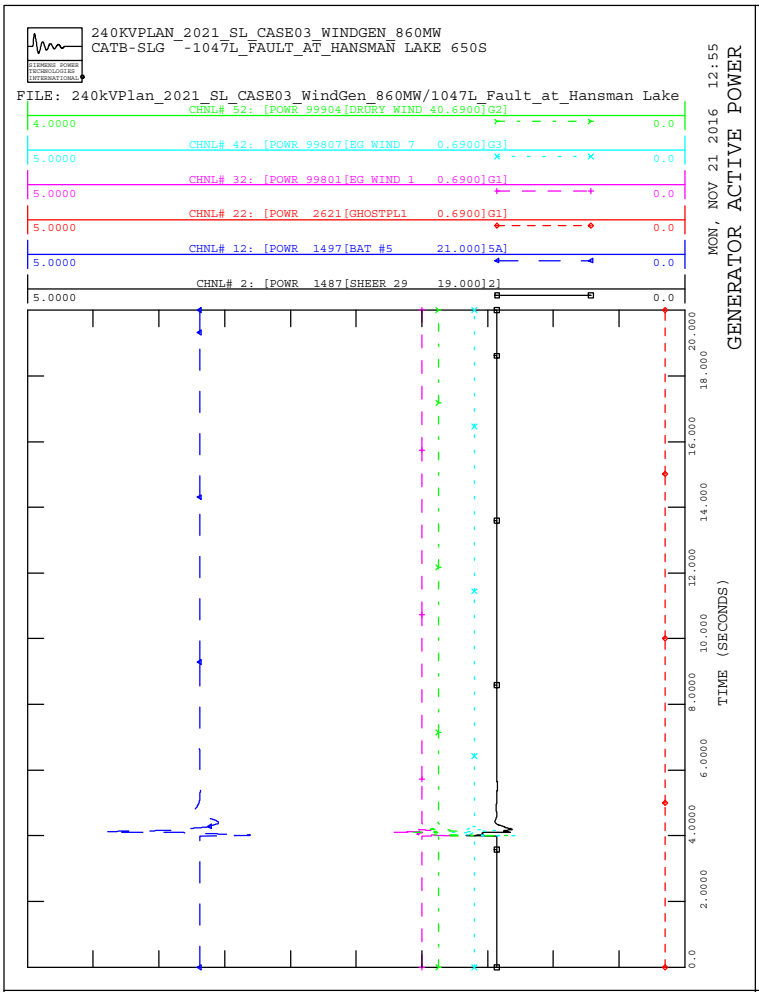
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

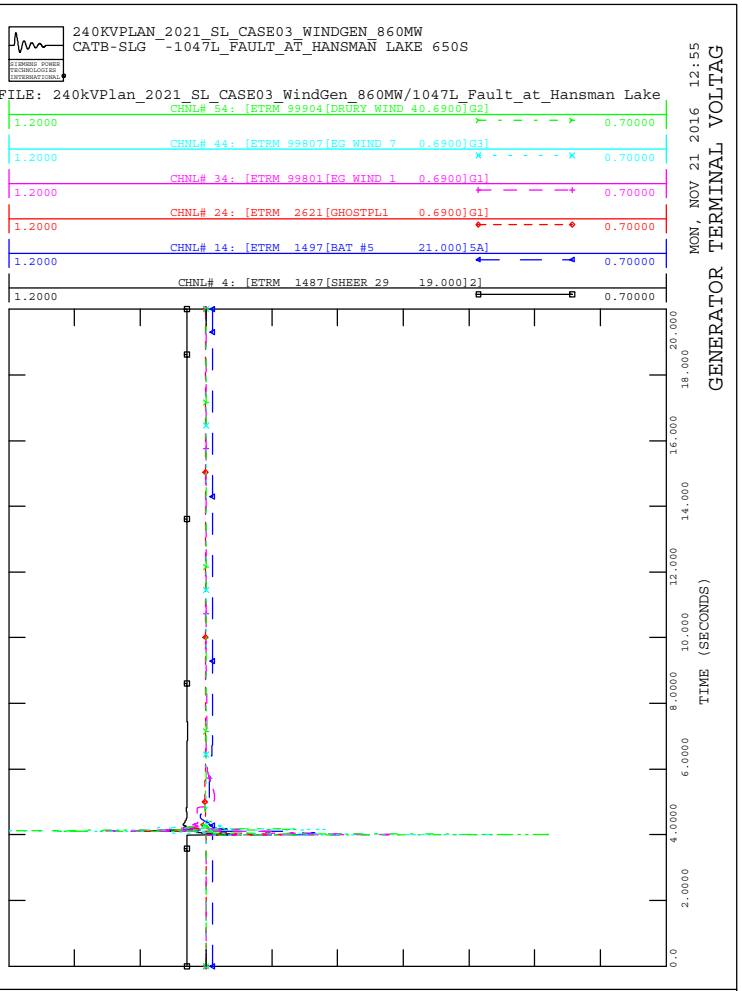
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake

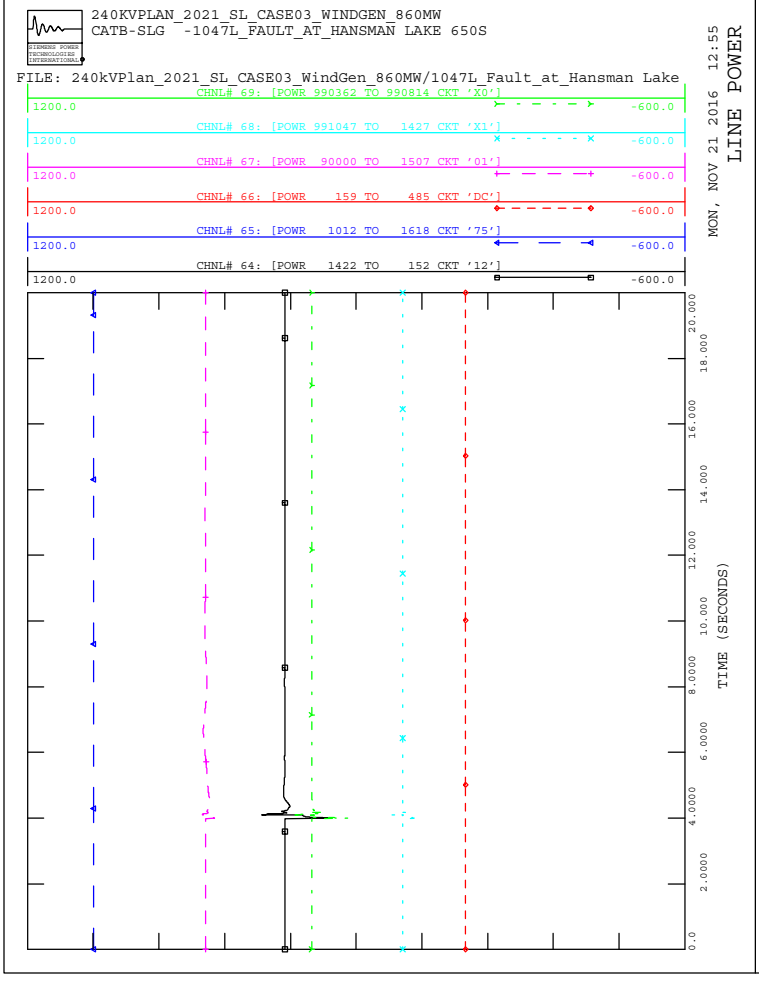
MON, NOV 21 2016 12:55

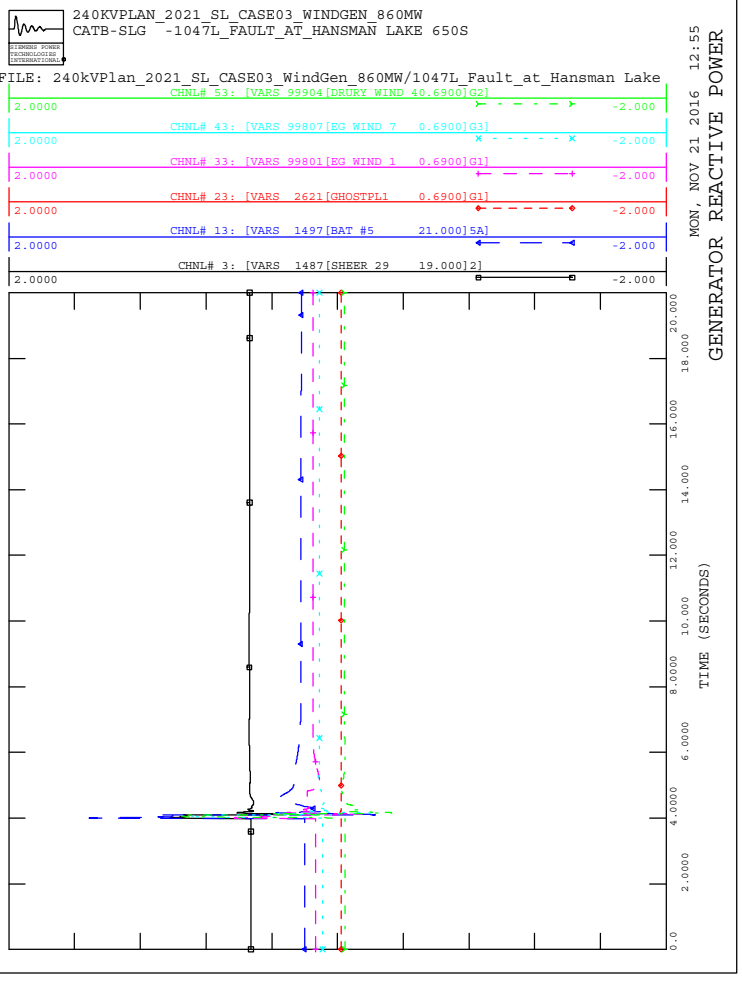
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

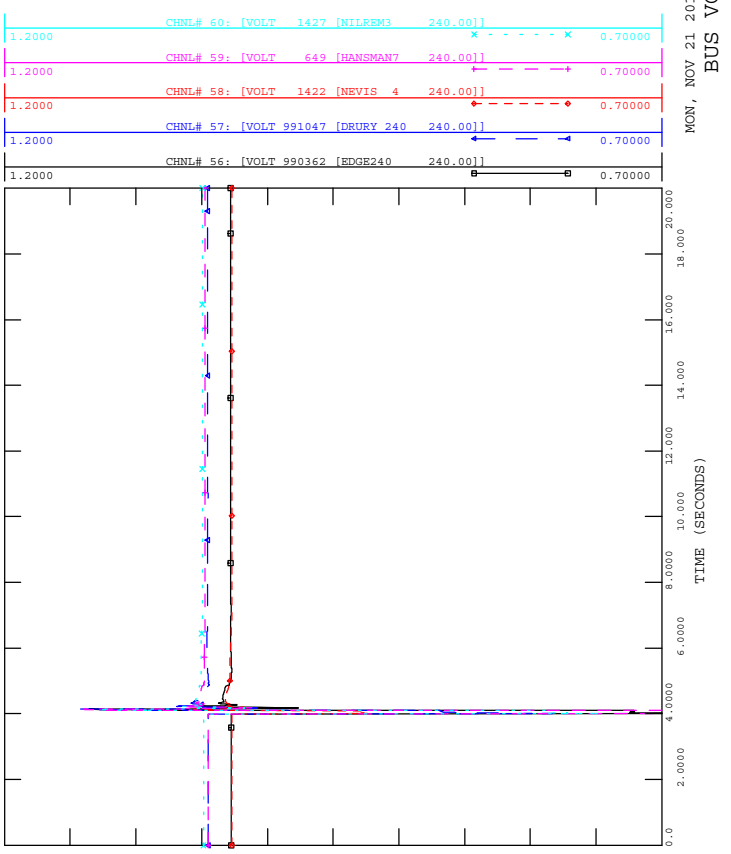

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

BUS VOLTAGE

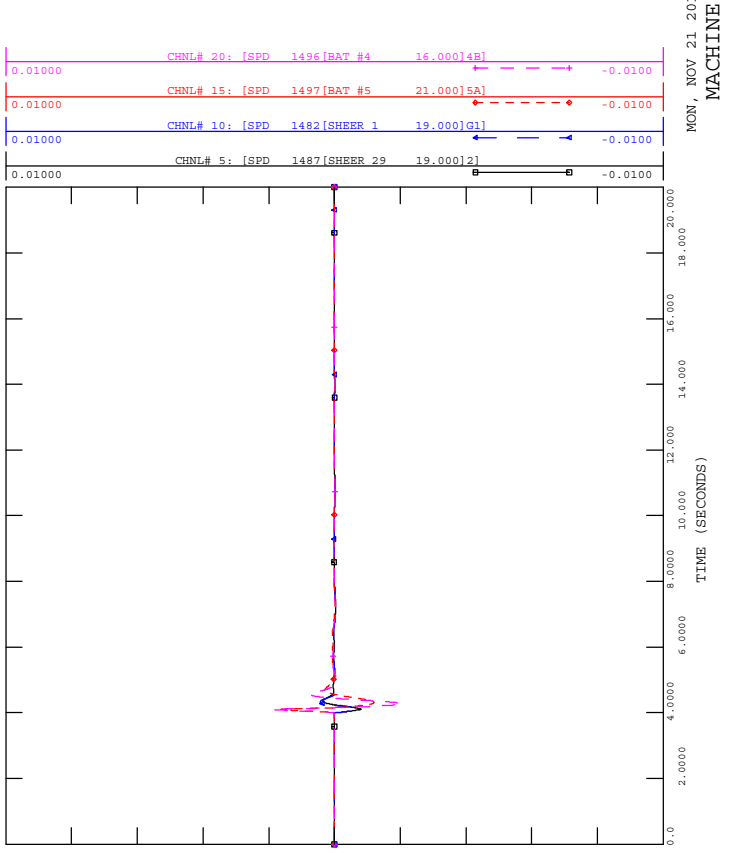


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

MACHINE SPEED

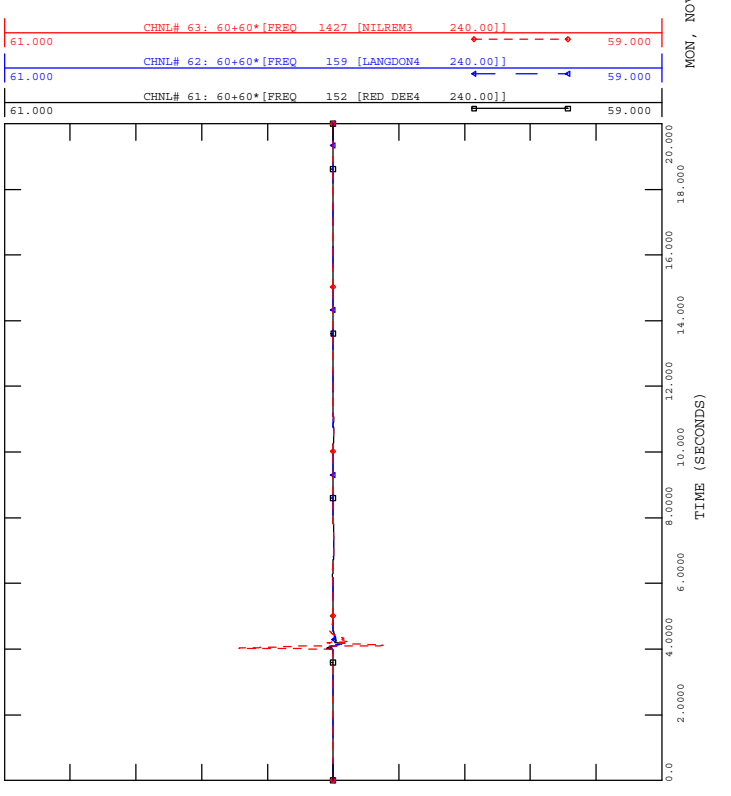


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:55

FREQUENCY

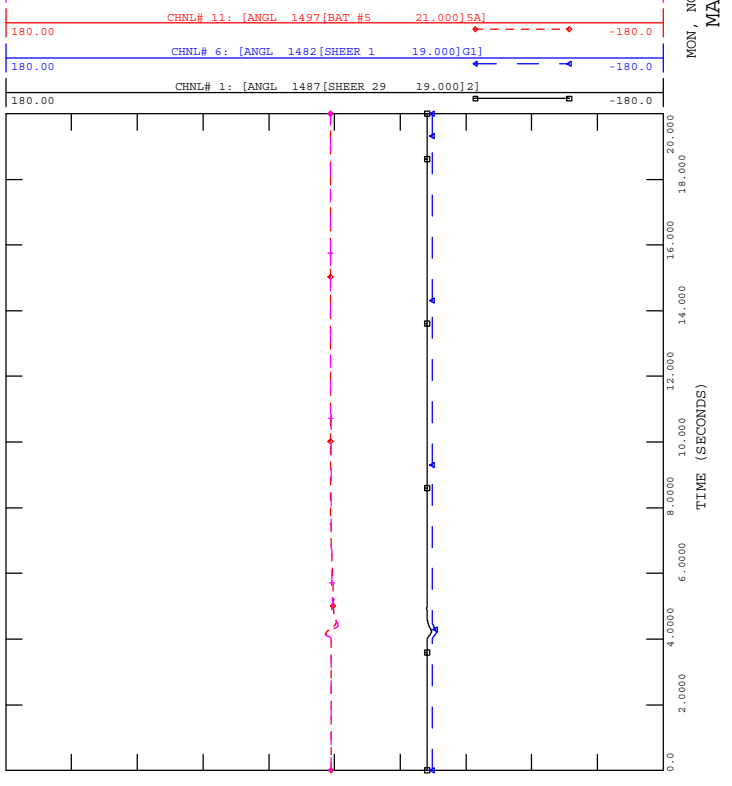


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.

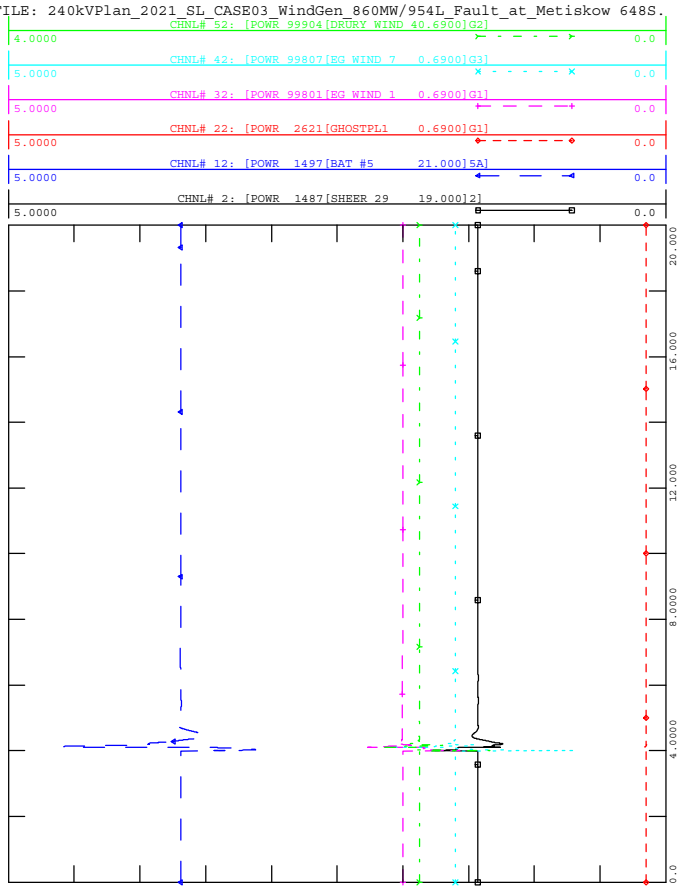
MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

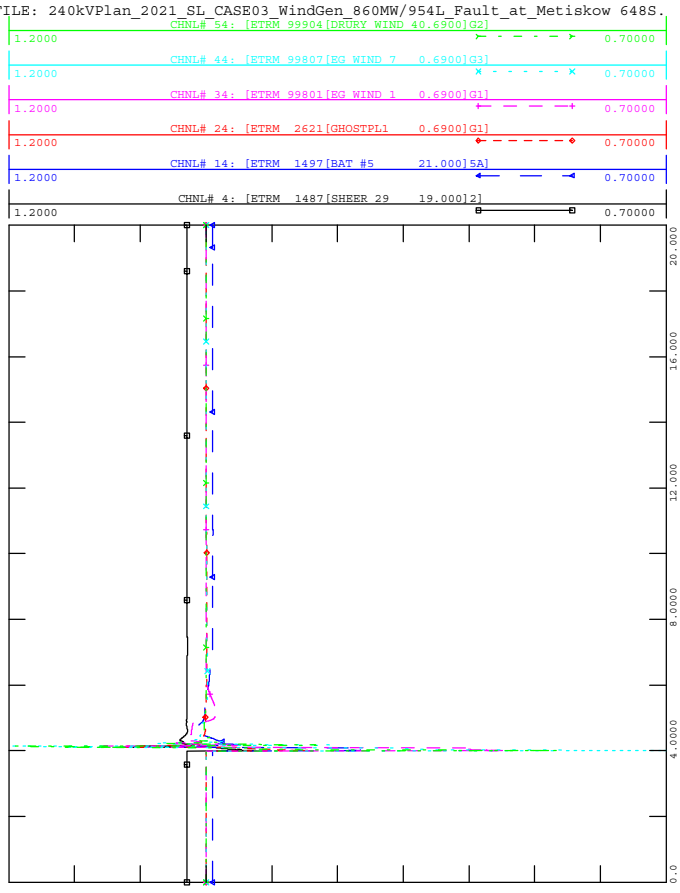
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

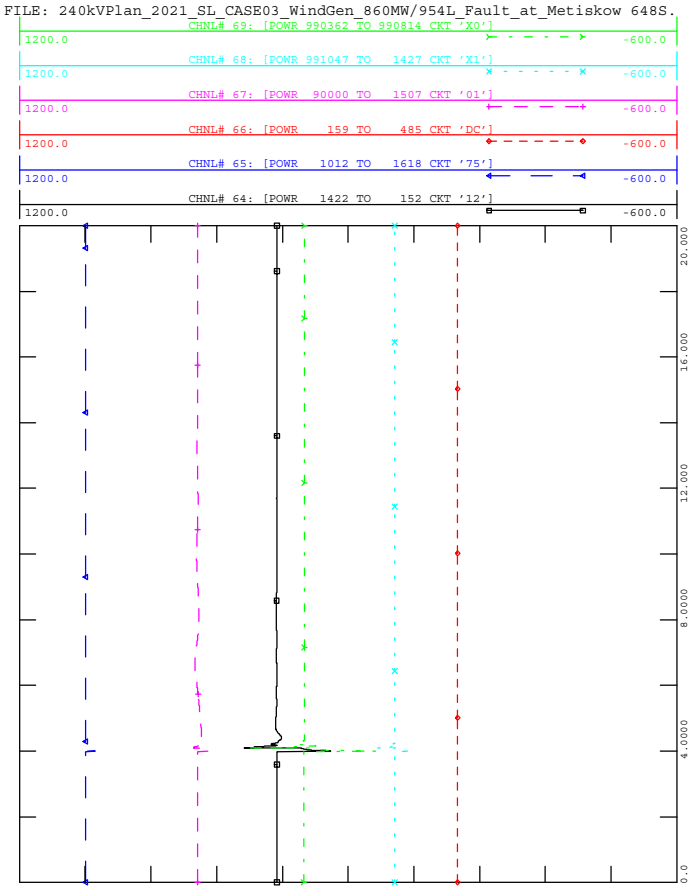
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

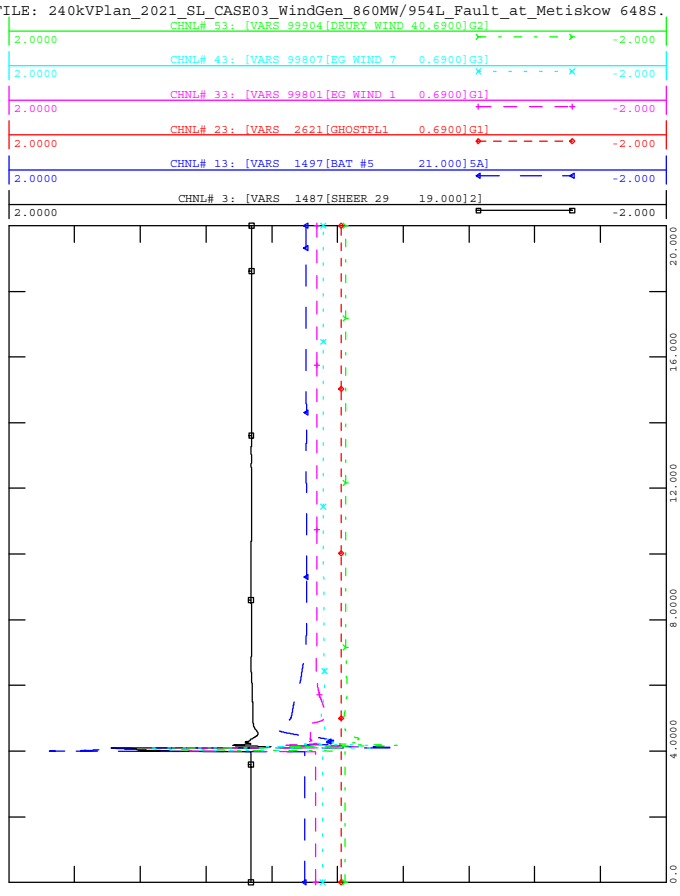
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:55
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Metiskow 648S.



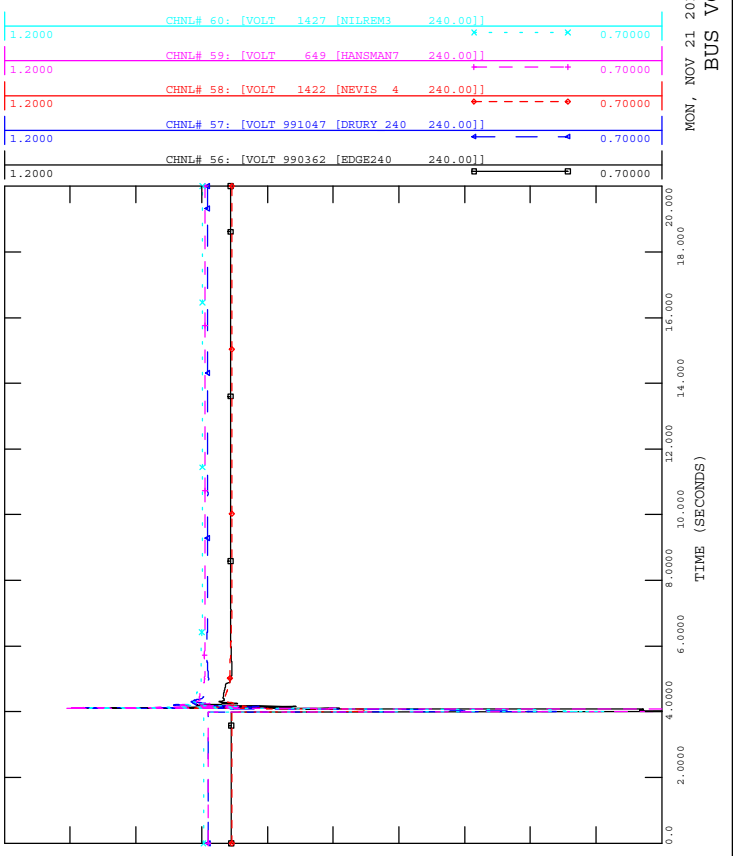
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 12:55

BUS VOLTAGE

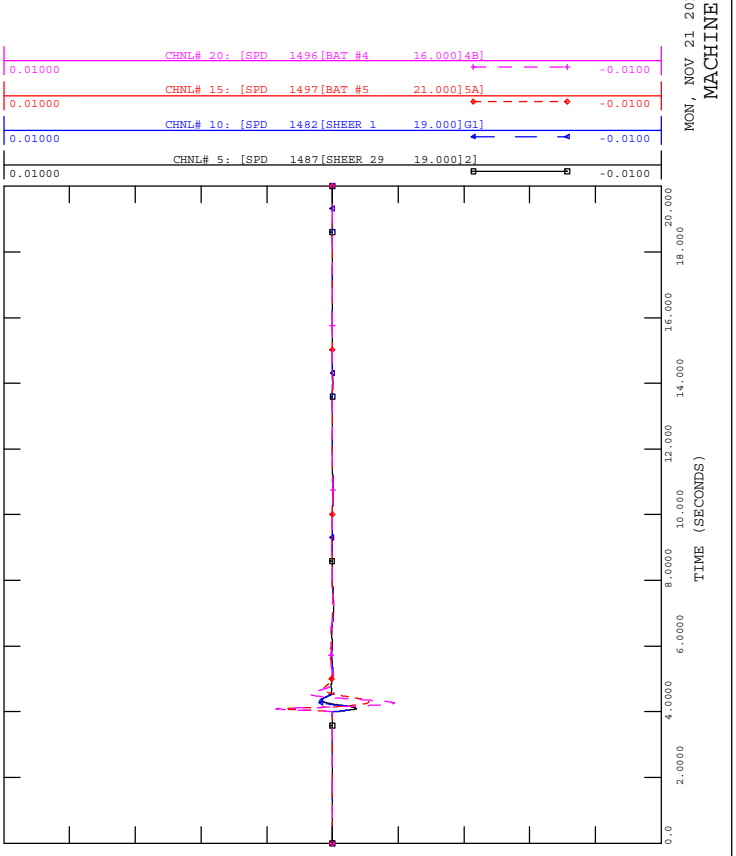


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 12:55

MACHINE SPEED

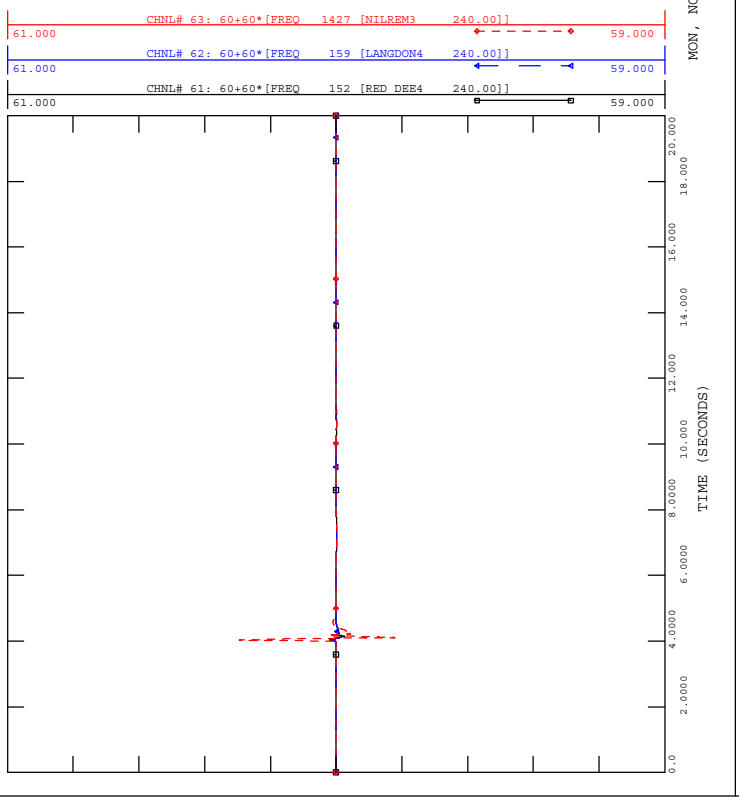


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 12:55

FREQUENCY

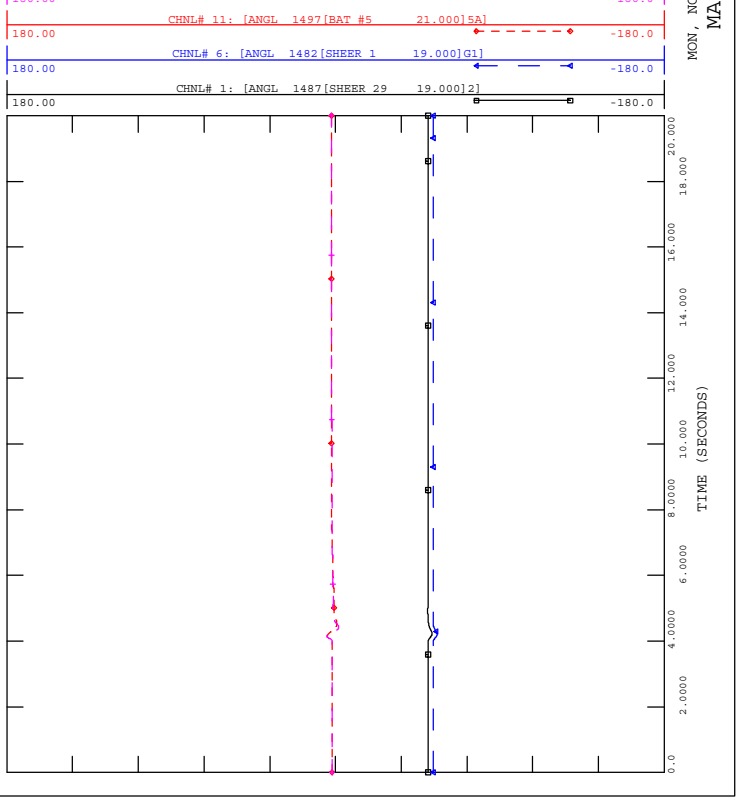


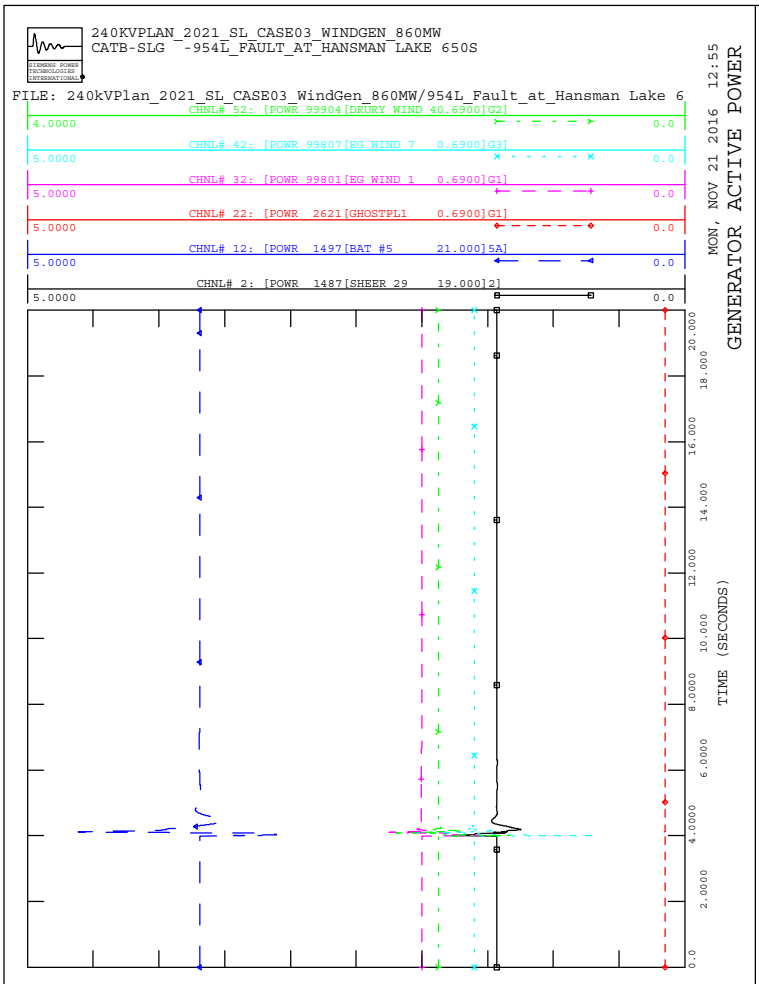
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

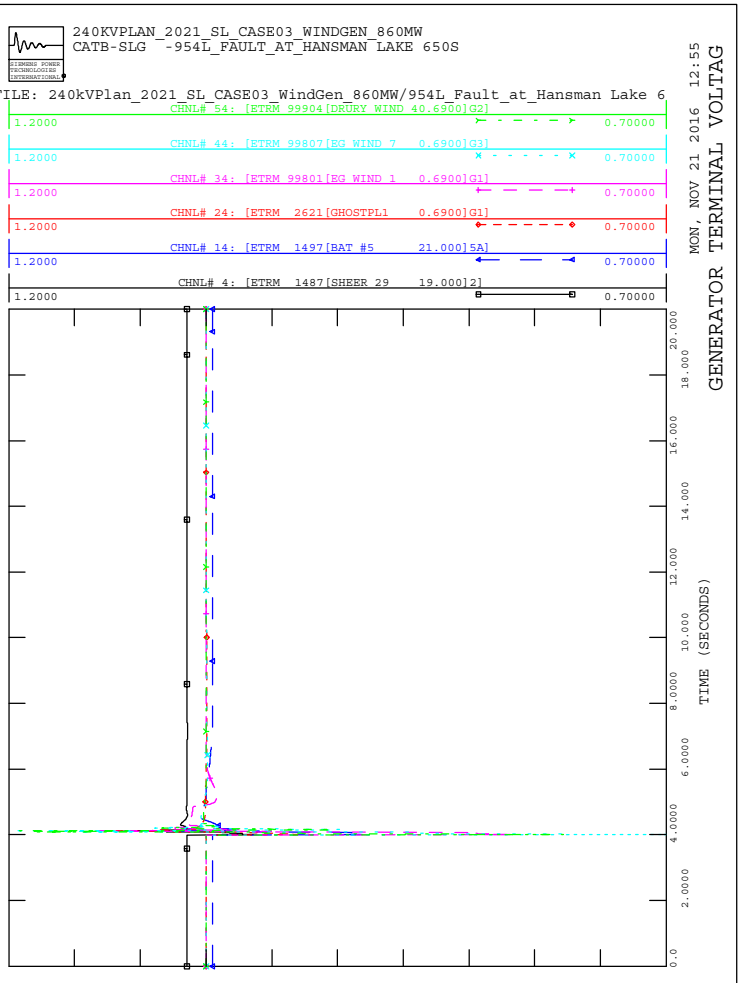
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman Lake 6

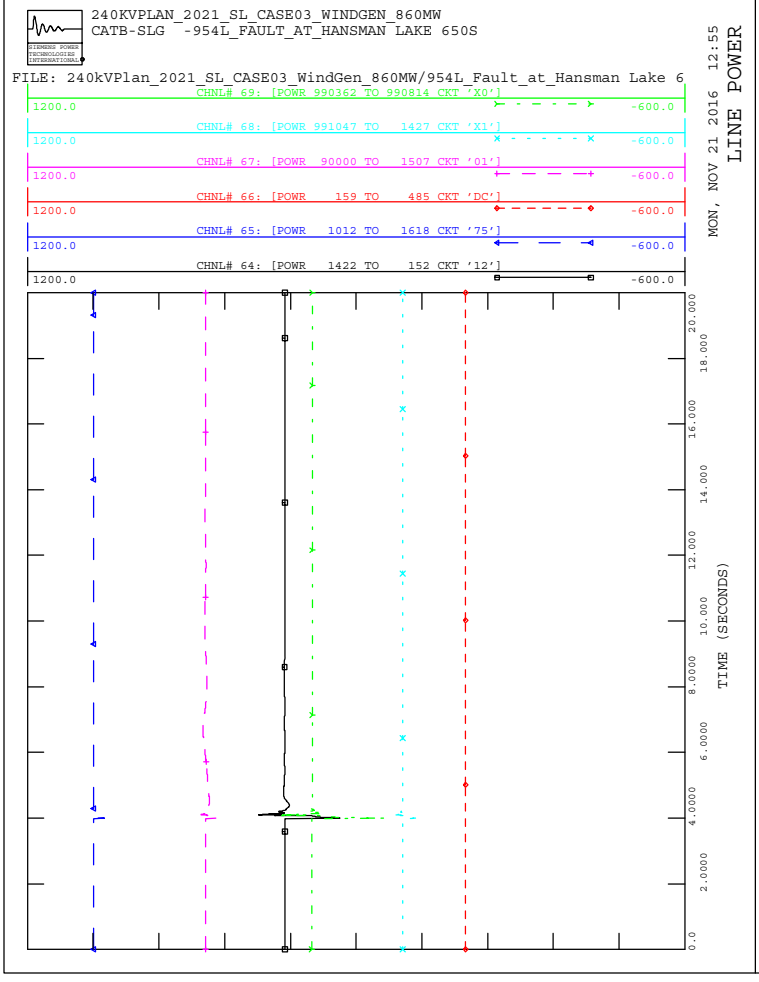
MON, NOV 21 2016 12:55

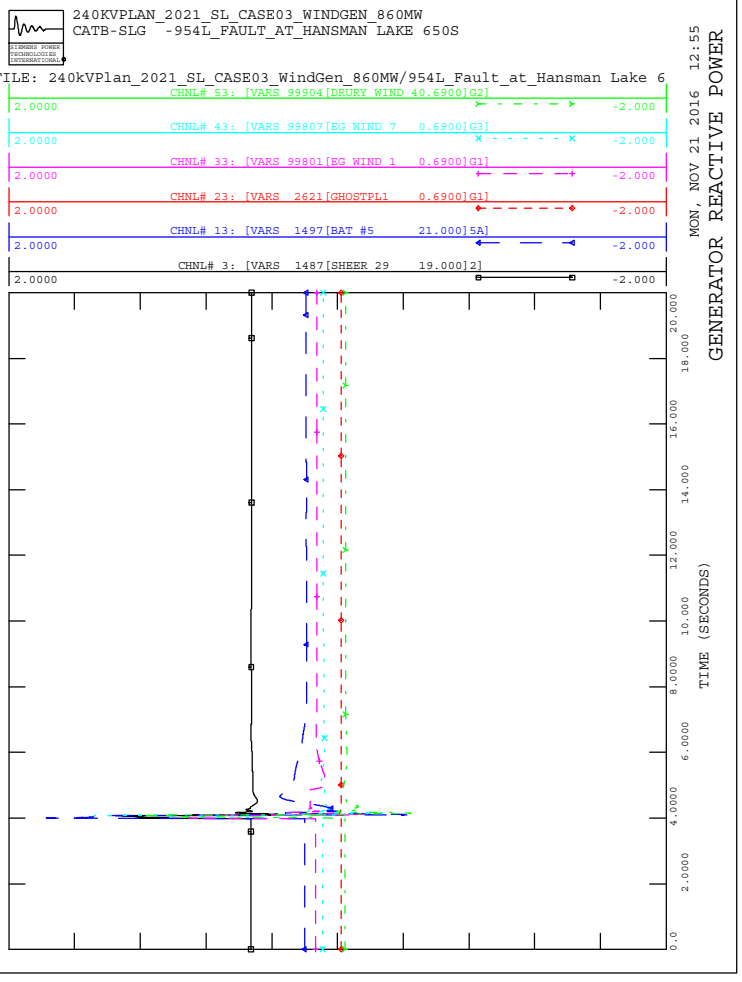
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman_Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman_Lake 6
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:55
LINE POWER

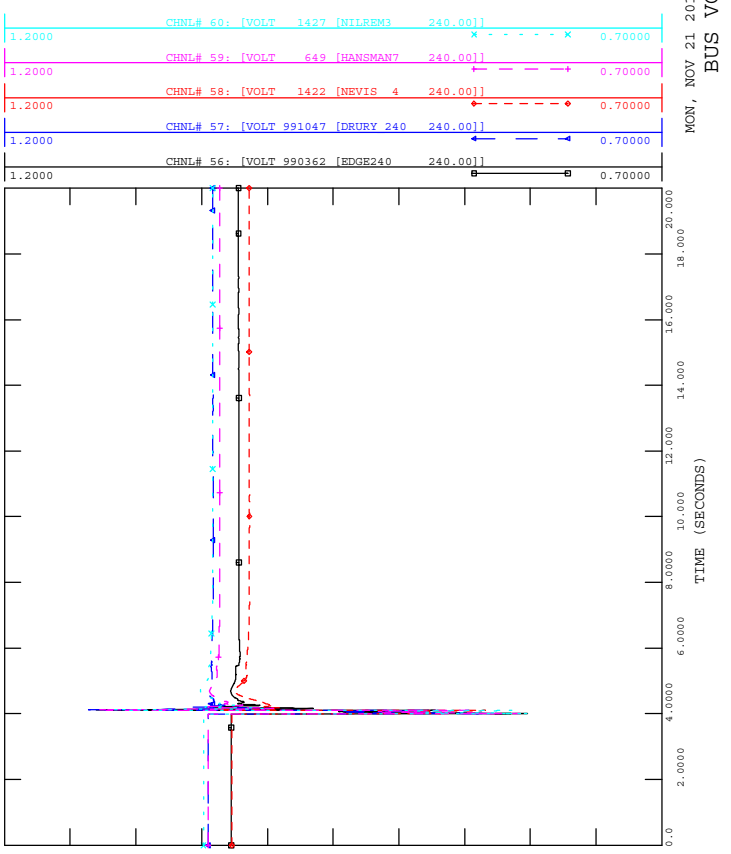

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_Fault_at_Hansman_Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 12:55

BUS VOLTAGE

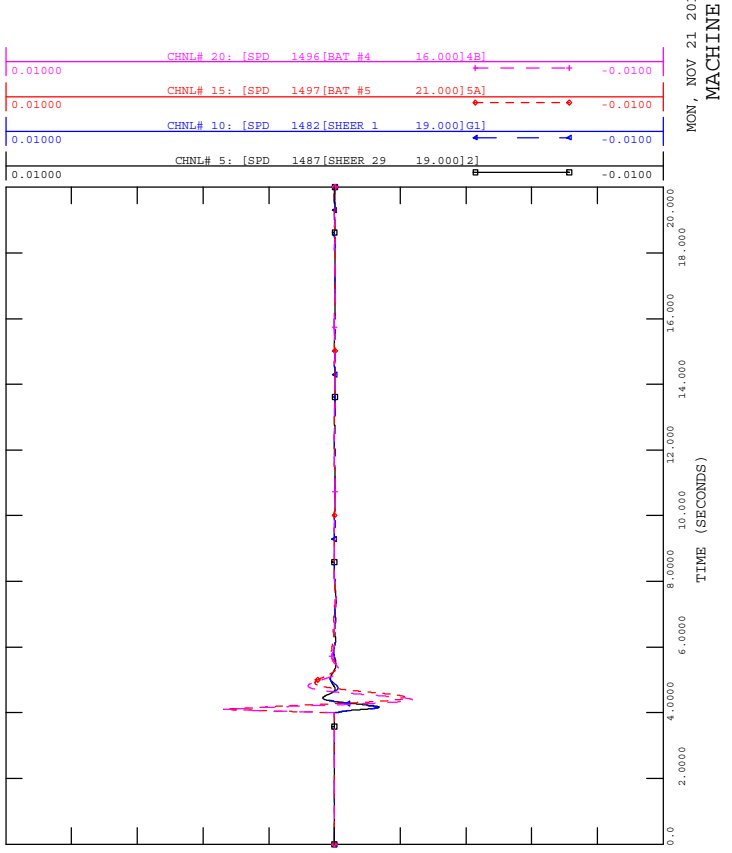


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 12:55

MACHINE SPEED

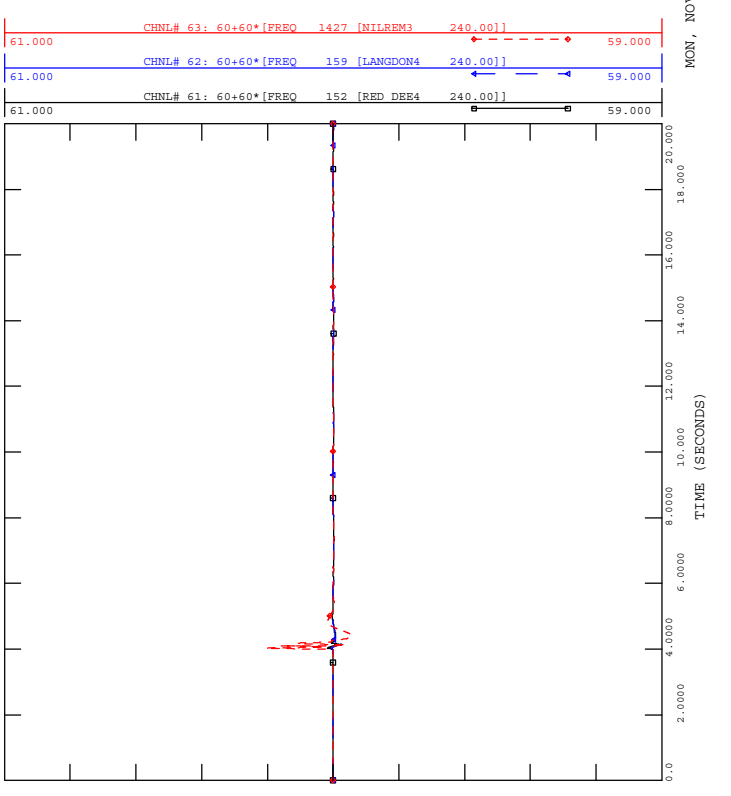


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 12:55

FREQUENCY

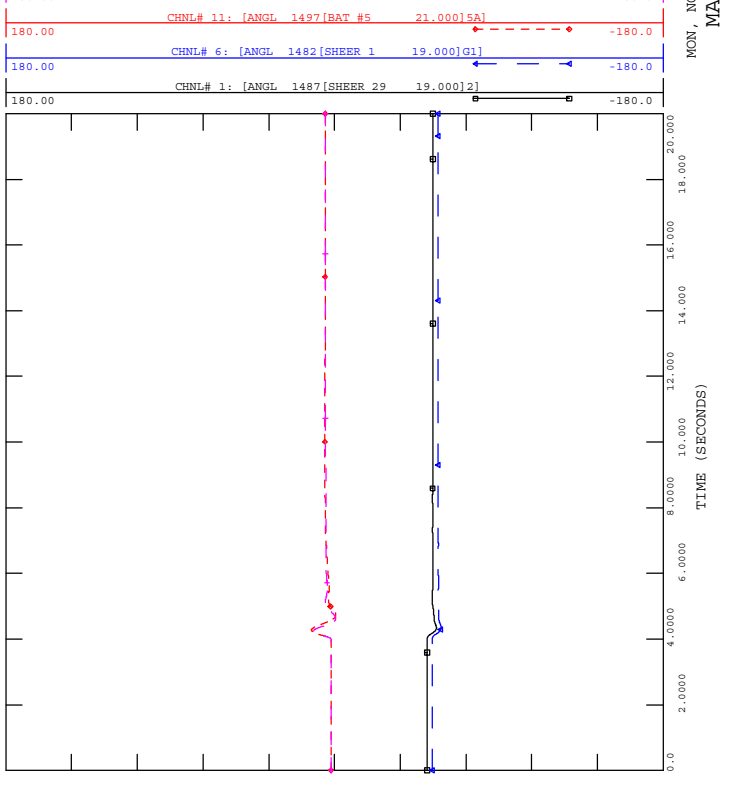


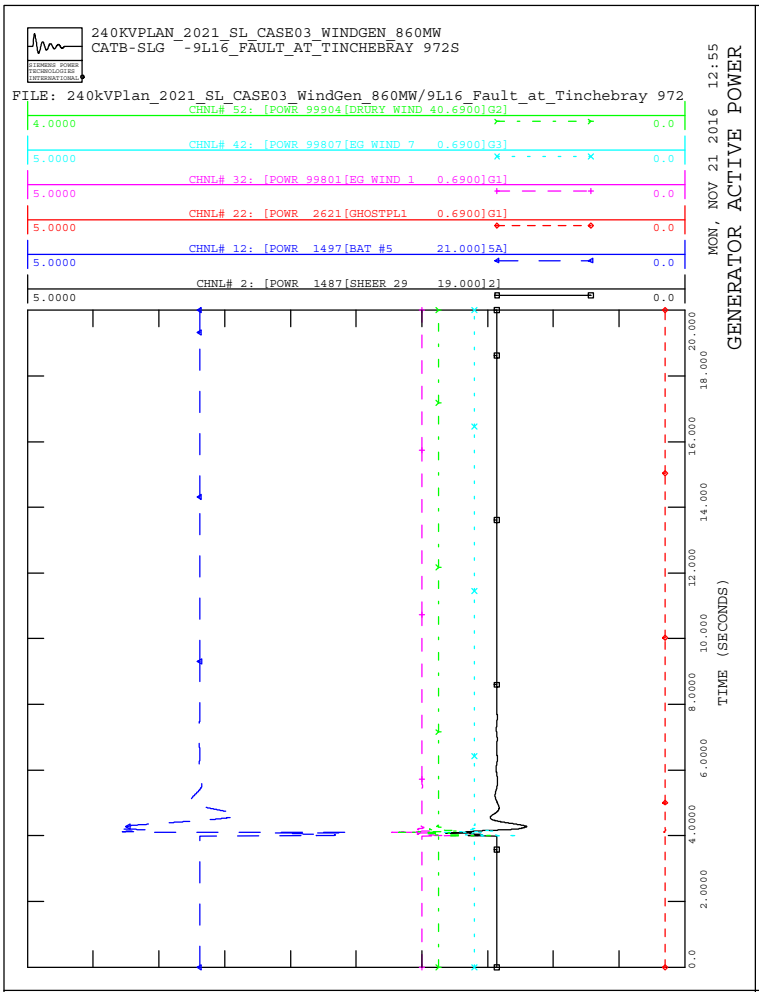
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

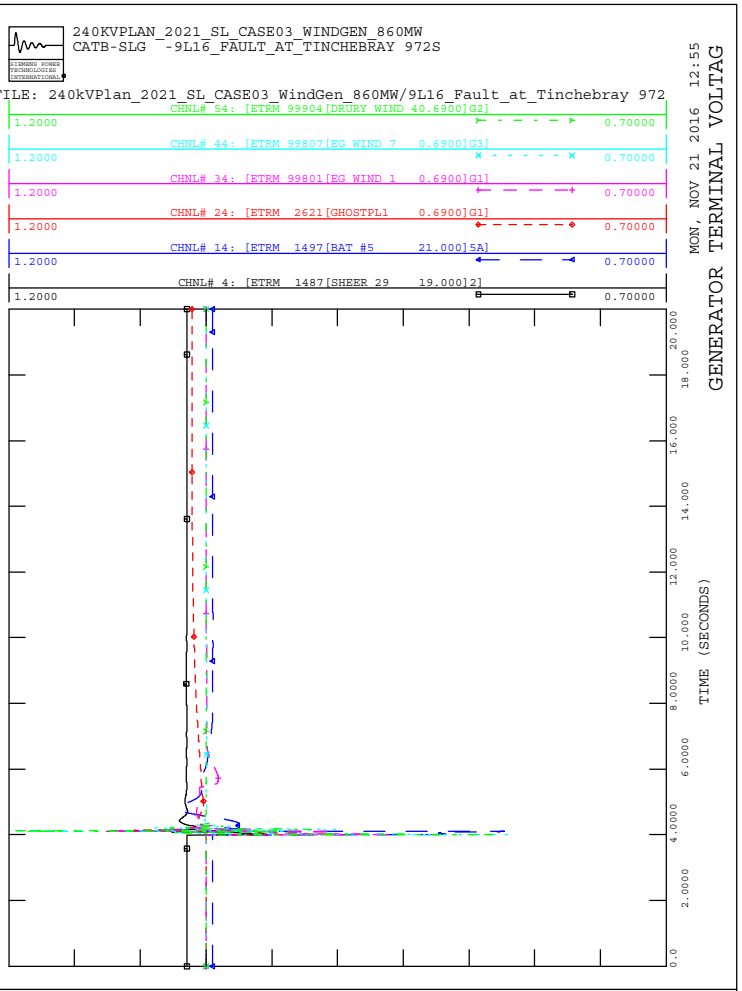
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972

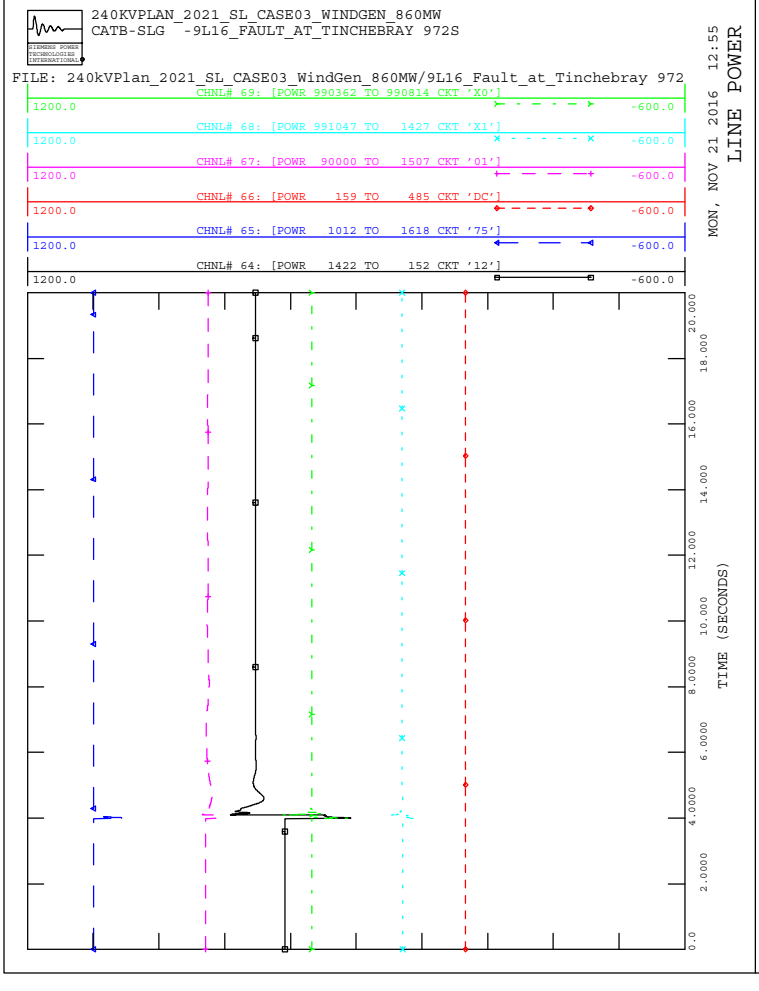
MON, NOV 21 2016 12:55

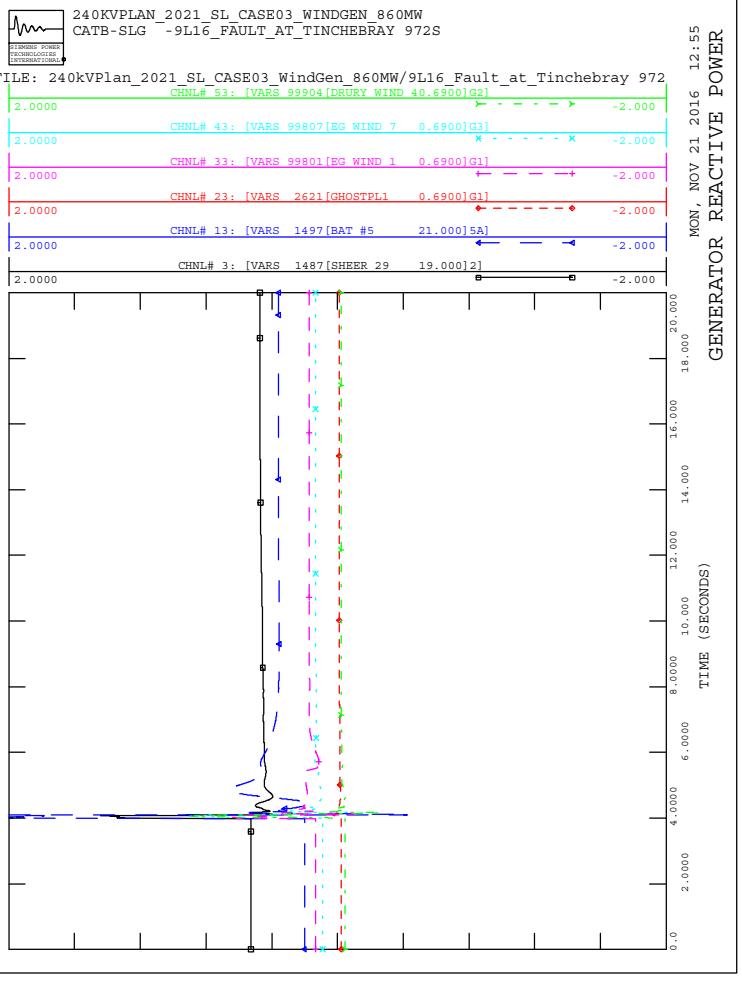
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

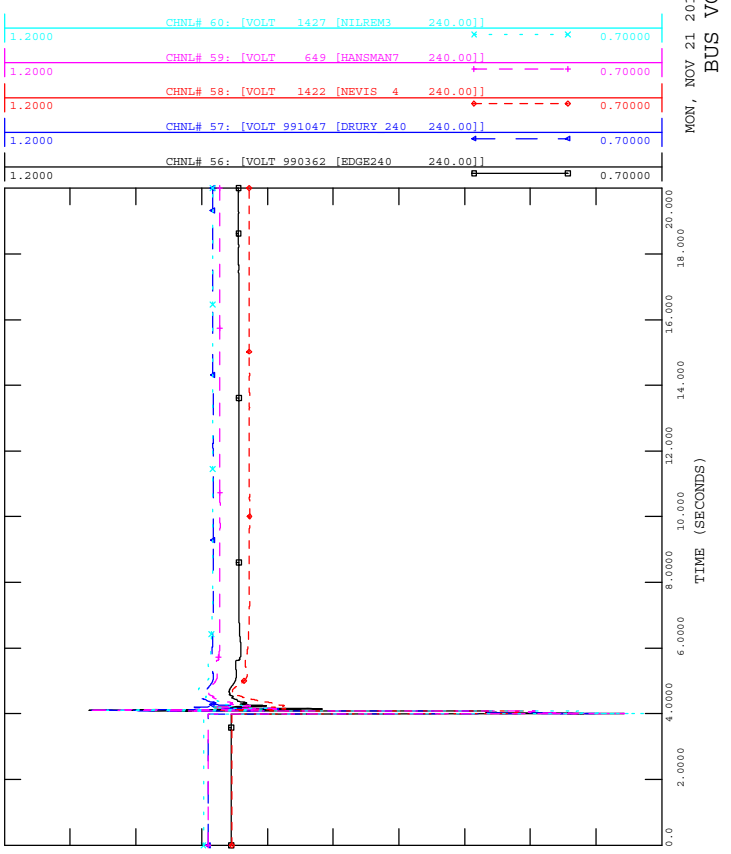

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

BUS VOLTAGE

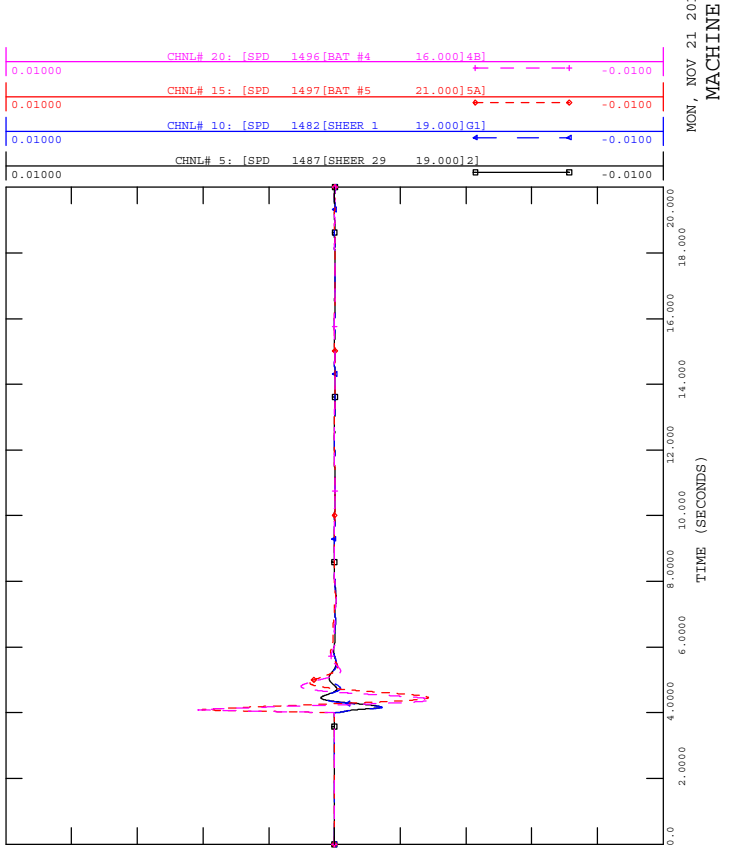


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

MACHINE SPEED

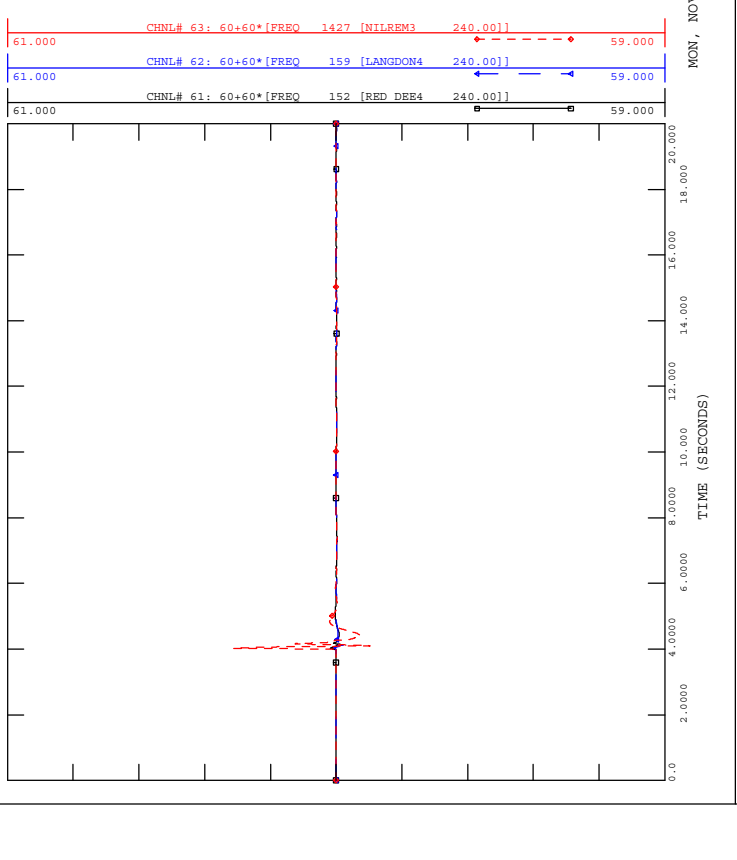


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

FREQUENCY

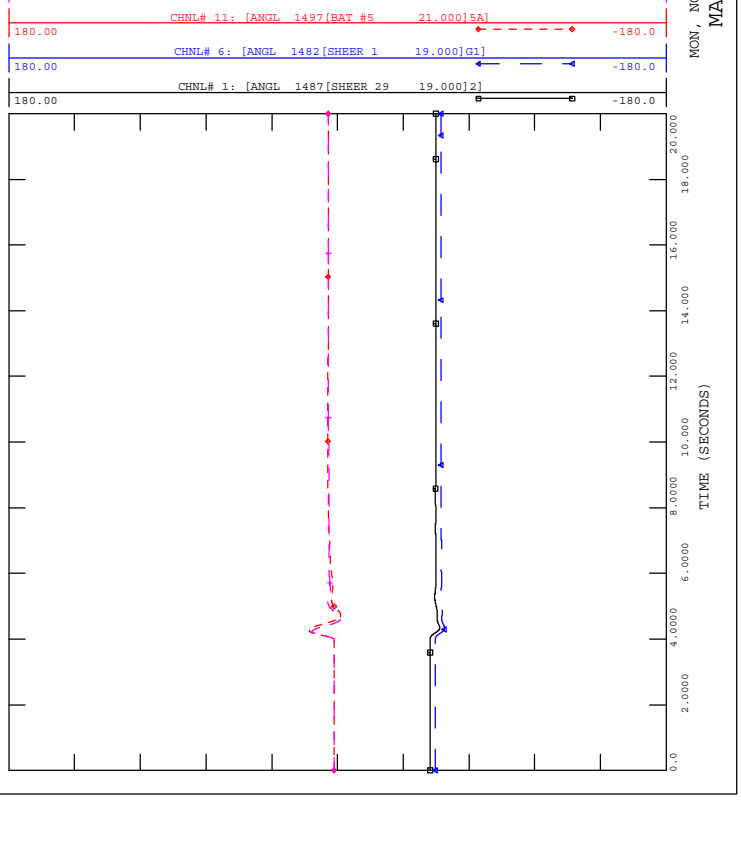


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2] 4.0000 0.0

CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3] 5.0000 0.0

CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1] 5.0000 0.0

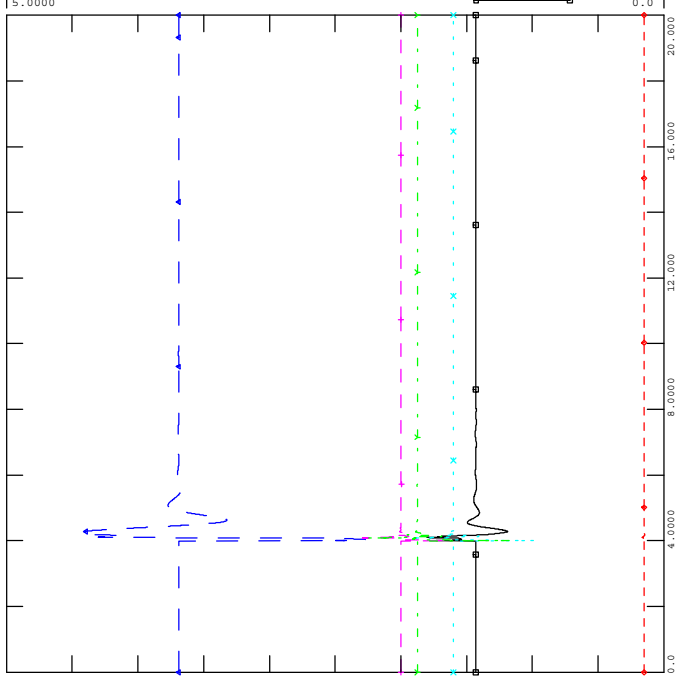
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1] 5.0000 0.0

CHNL# 12: [POWR 1497[BAT #5 21.000]5A] 5.0000 0.0

CHNL# 2: [POWR 1487[SHEER 29 19.000]2] 5.0000 0.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2] 1.2000 0.70000

CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3] 1.2000 0.70000

CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1] 1.2000 0.70000

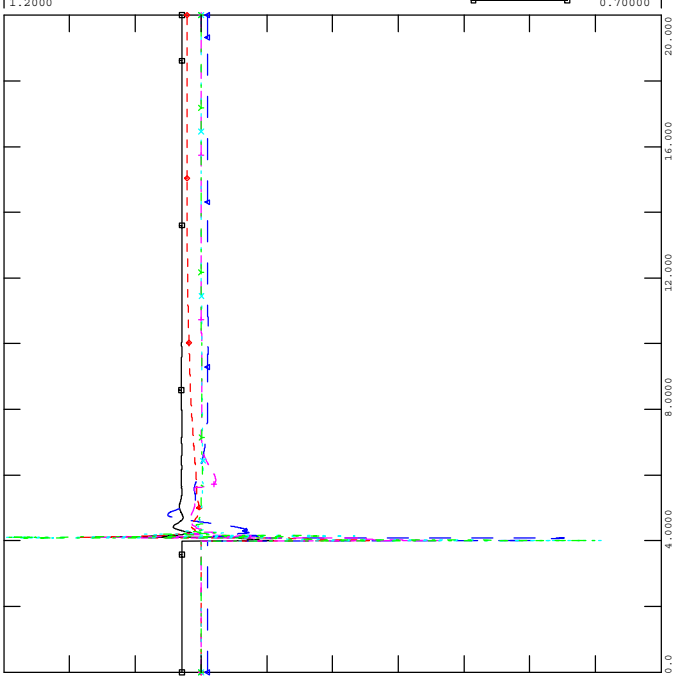
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1] 1.2000 0.70000

CHNL# 14: [ETRM 1497[BAT #5 21.000]5A] 1.2000 0.70000

CHNL# 4: [ETRM 1487[SHEER 29 19.000]2] 1.2000 0.70000

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0'] 1200.0 -600.0

CHNL# 68: [POWR 991047 TO 1427 CKT 'X1'] 1200.0 -600.0

CHNL# 67: [POWR 90000 TO 1507 CKT '01'] 1200.0 -600.0

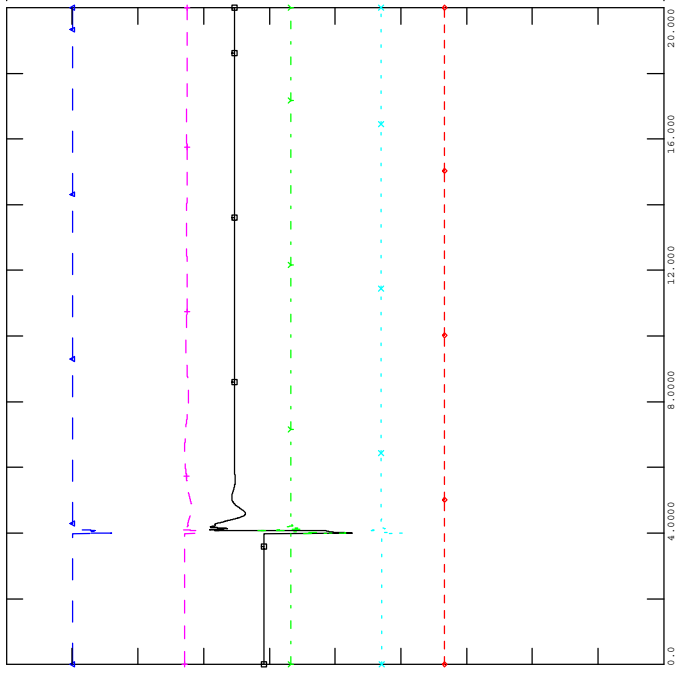
CHNL# 66: [POWR 159 TO 485 CKT 'DC'] 1200.0 -600.0

CHNL# 65: [POWR 1012 TO 1618 CKT '75'] 1200.0 -600.0

CHNL# 64: [POWR 1422 TO 152 CKT '12'] 1200.0 -600.0

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

TIME (SECONDS)



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2] 2.0000 -2.000

CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3] 2.0000 -2.000

CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1] 2.0000 -2.000

CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1] 2.0000 -2.000

CHNL# 13: [VARS 1497[BAT #5 21.000]5A] 2.0000 -2.000

CHNL# 3: [VARS 1487[SHEER 29 19.000]2] 2.0000 -2.000

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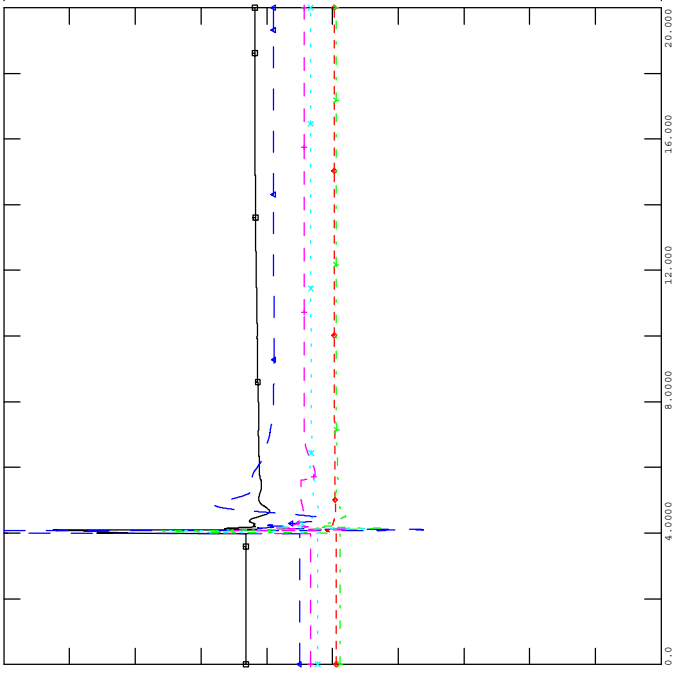
TIME (SECONDS)

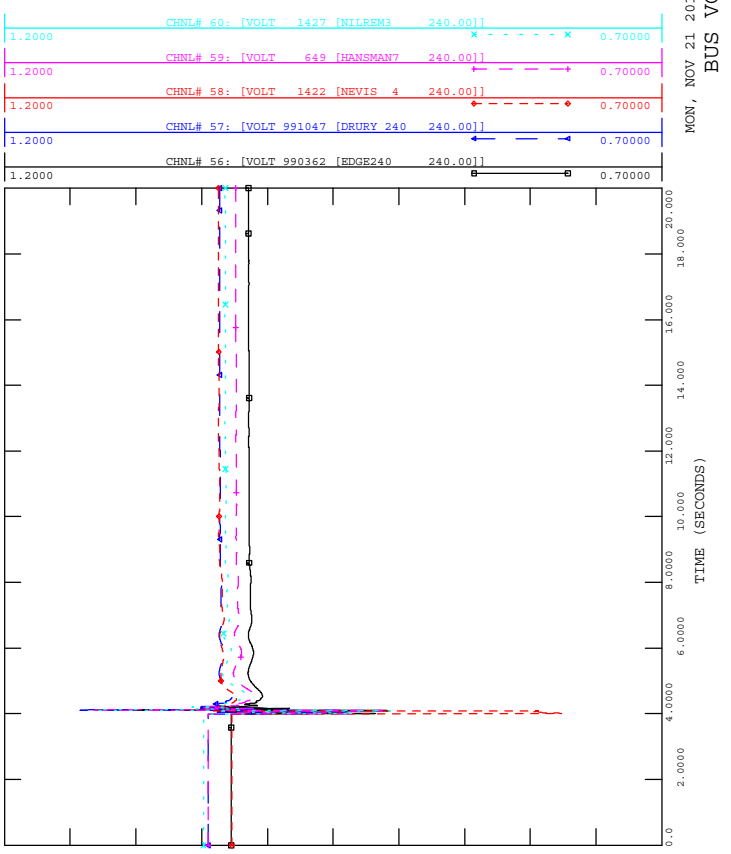


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:55

BUS VOLTAGE

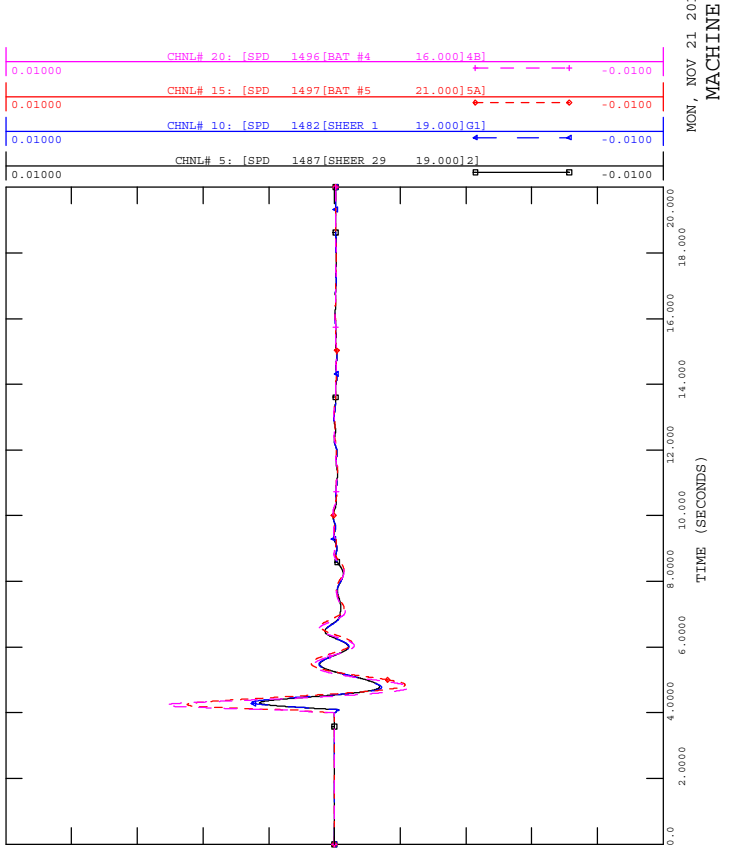


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:55

MACHINE SPEED

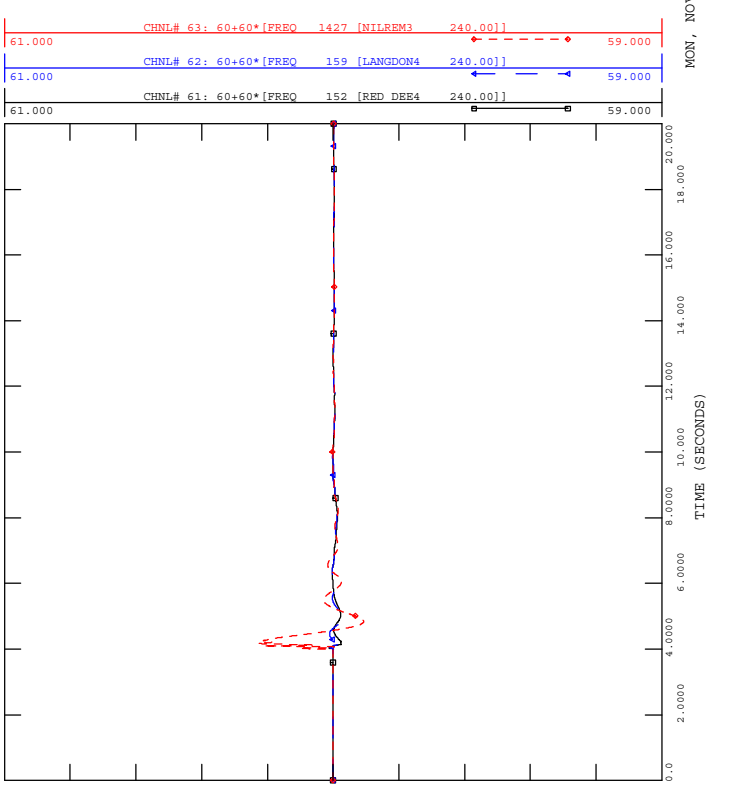


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:55

FREQUENCY

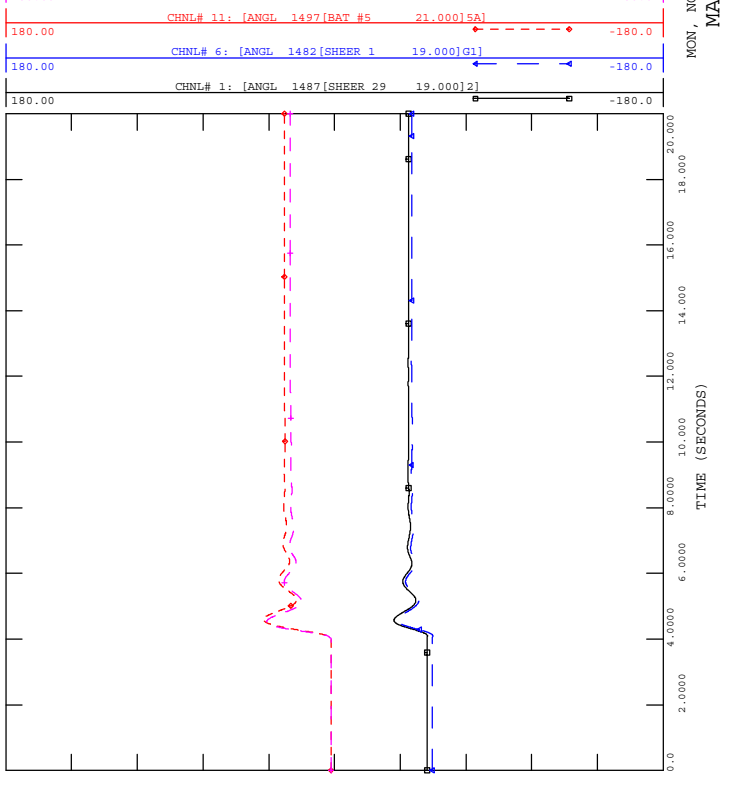


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

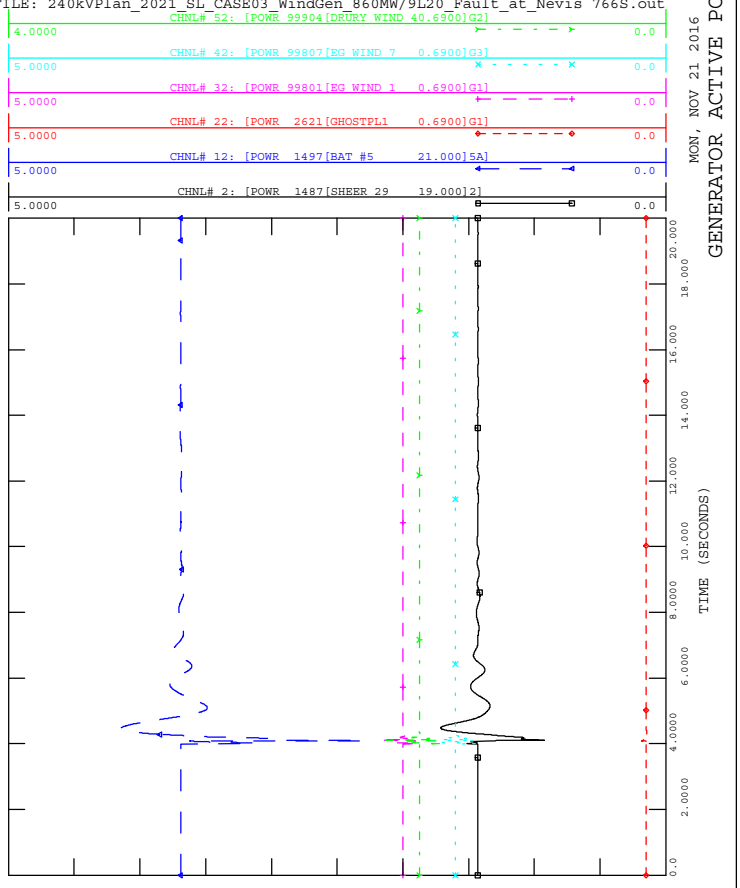
MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

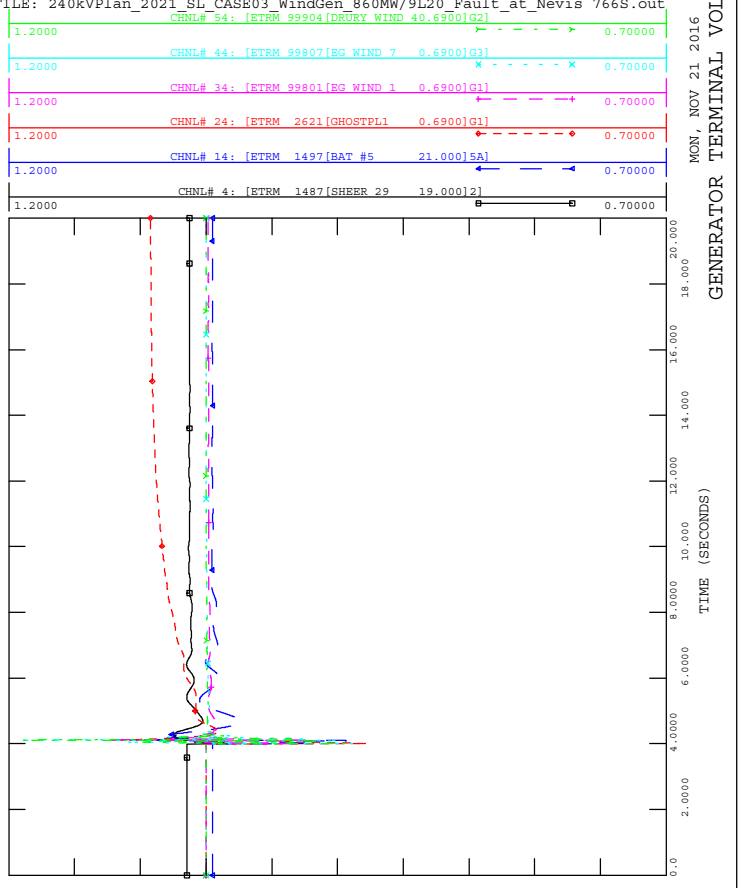
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

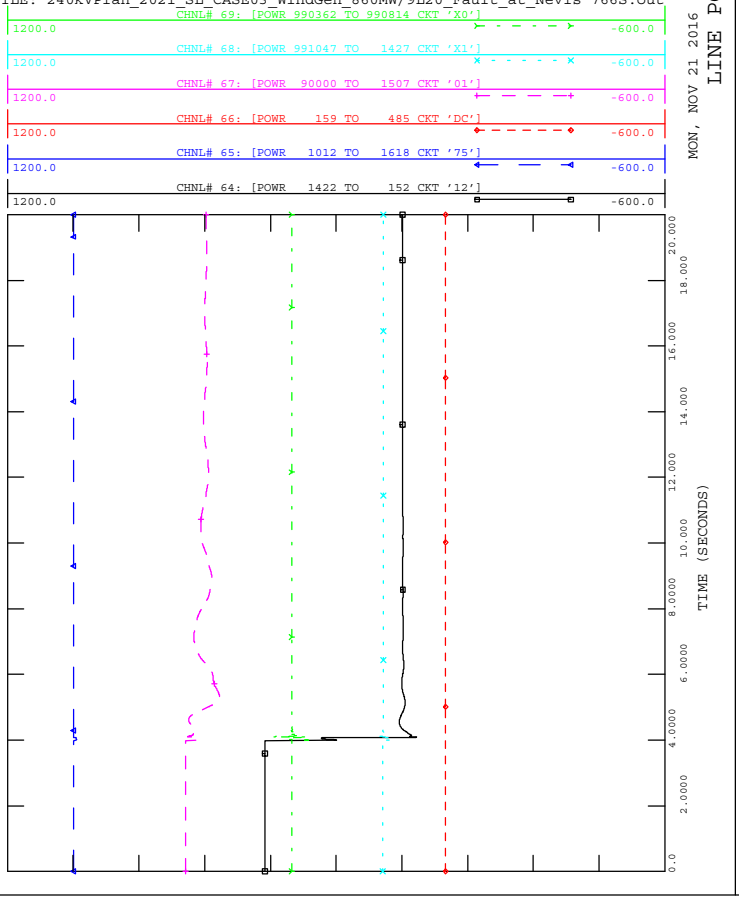
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

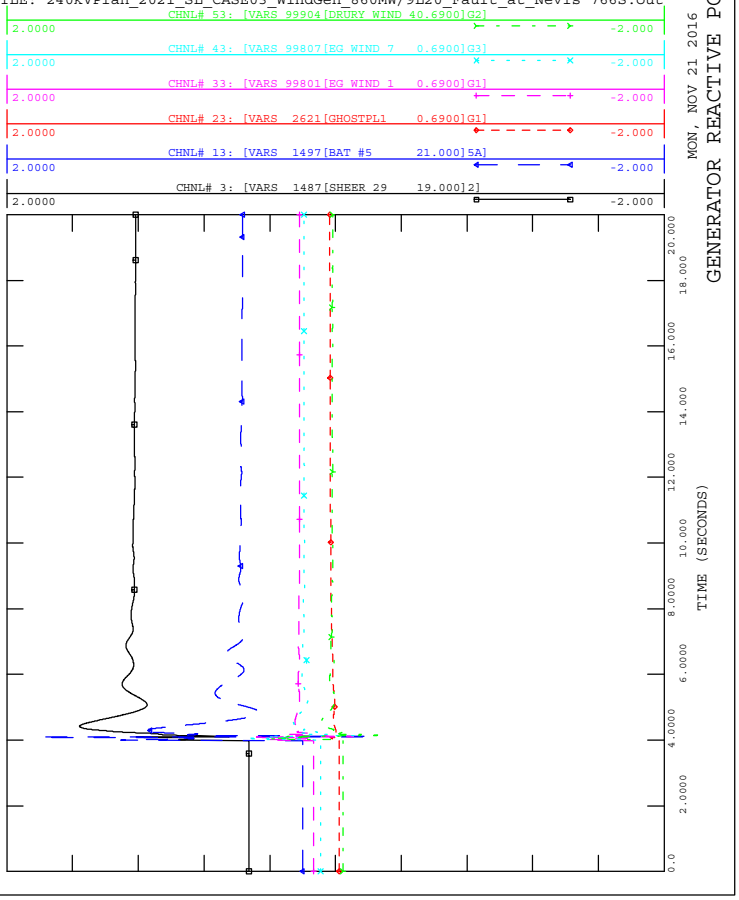
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out



LINE POWER
MON, NOV 21 2016 12:55

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Nevis 766S.out



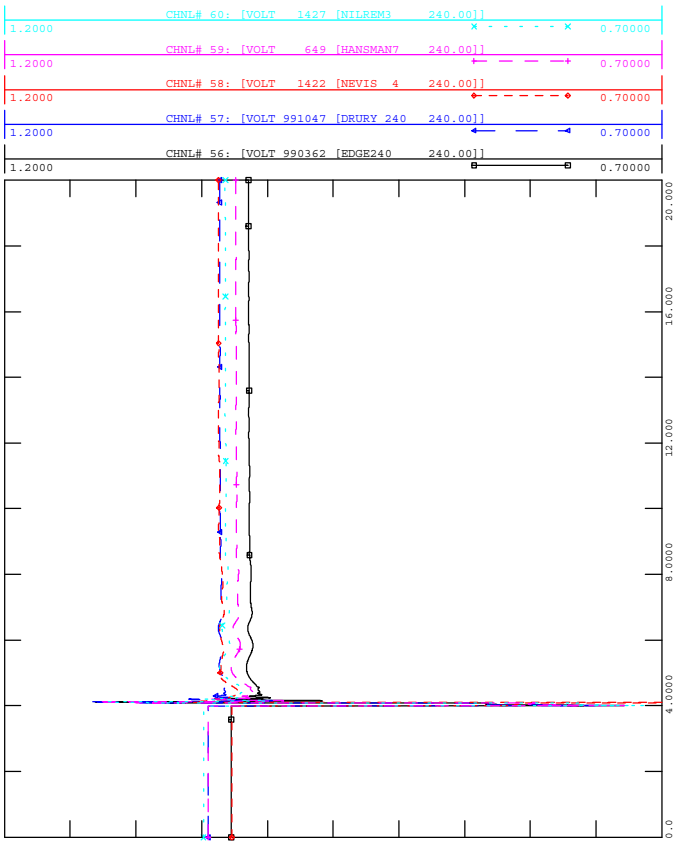
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

BUS VOLTAGE

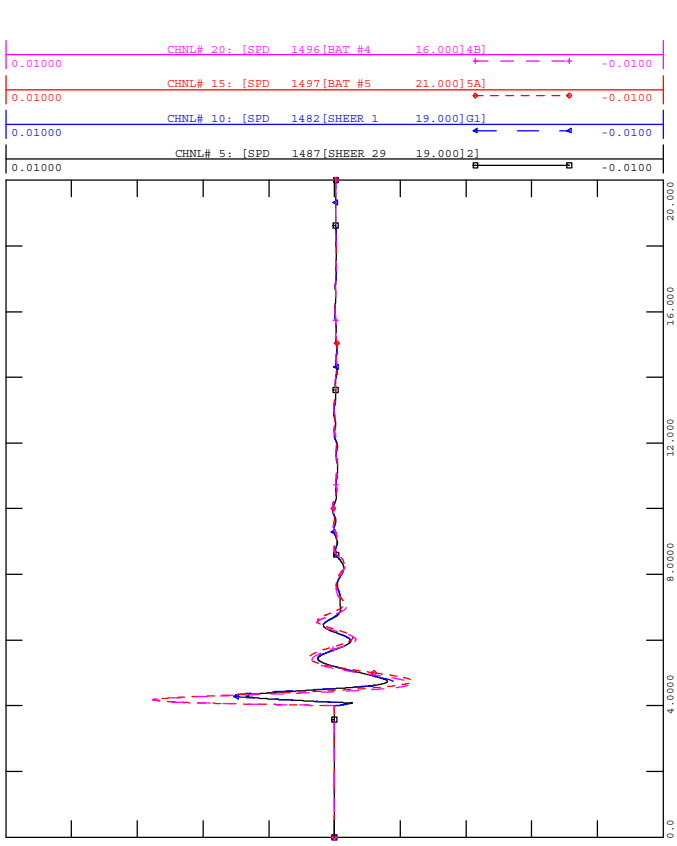


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

MACHINE SPEED

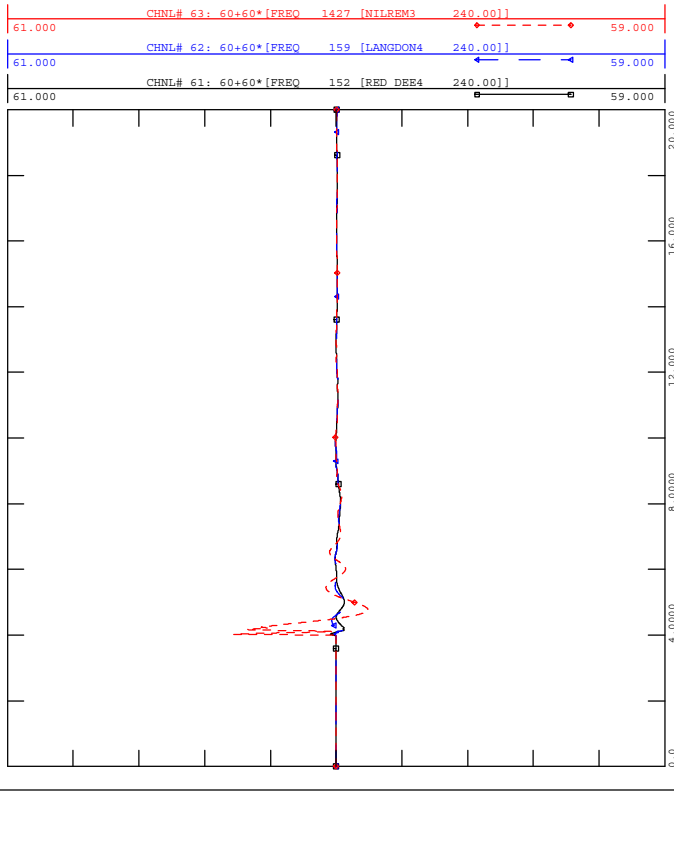


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

FREQUENCY

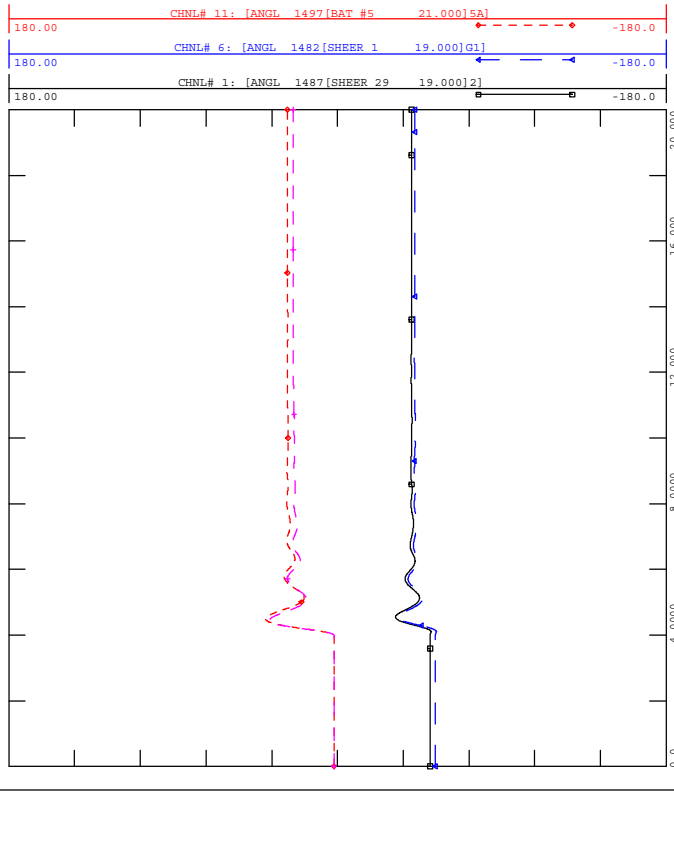


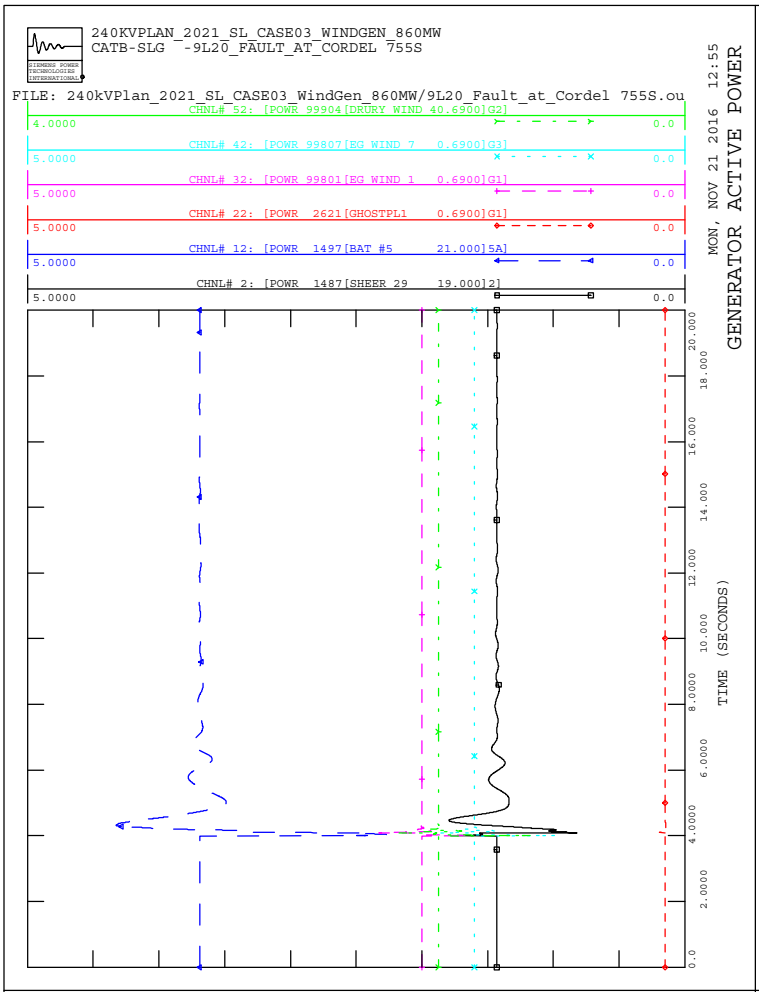
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

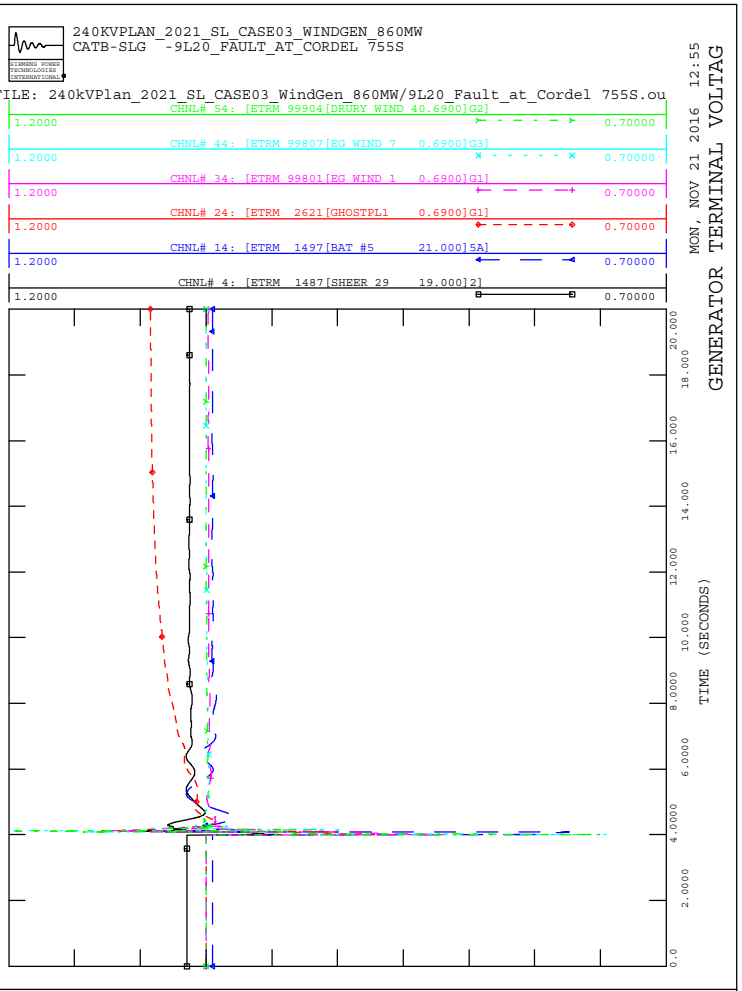
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

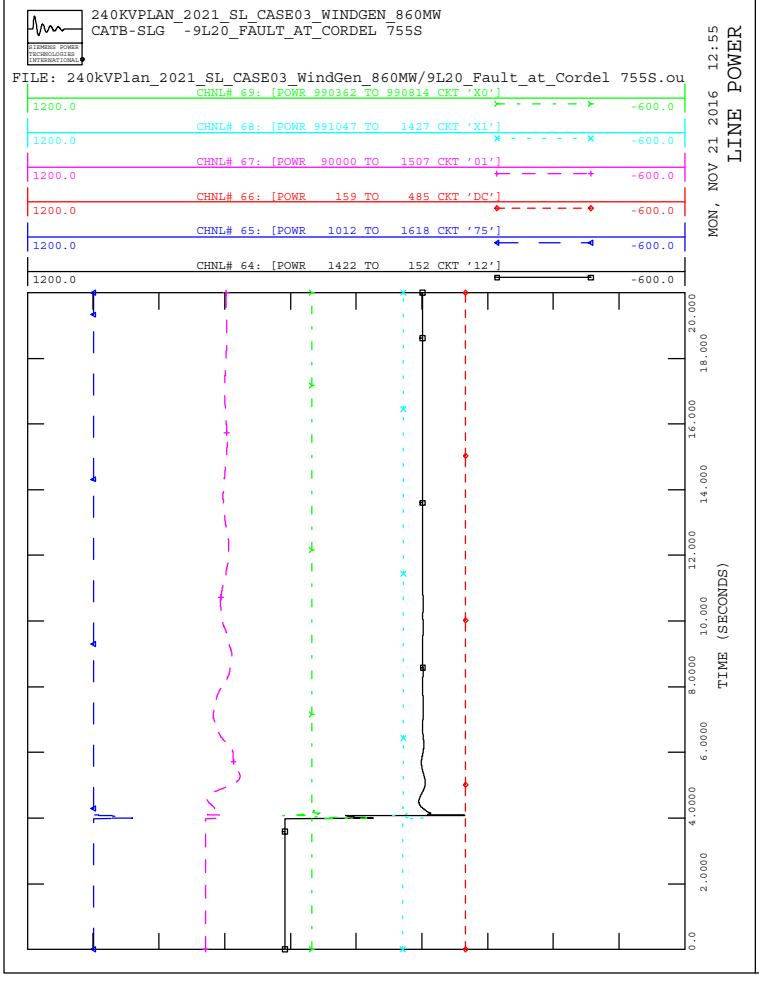
MON, NOV 21 2016 12:55

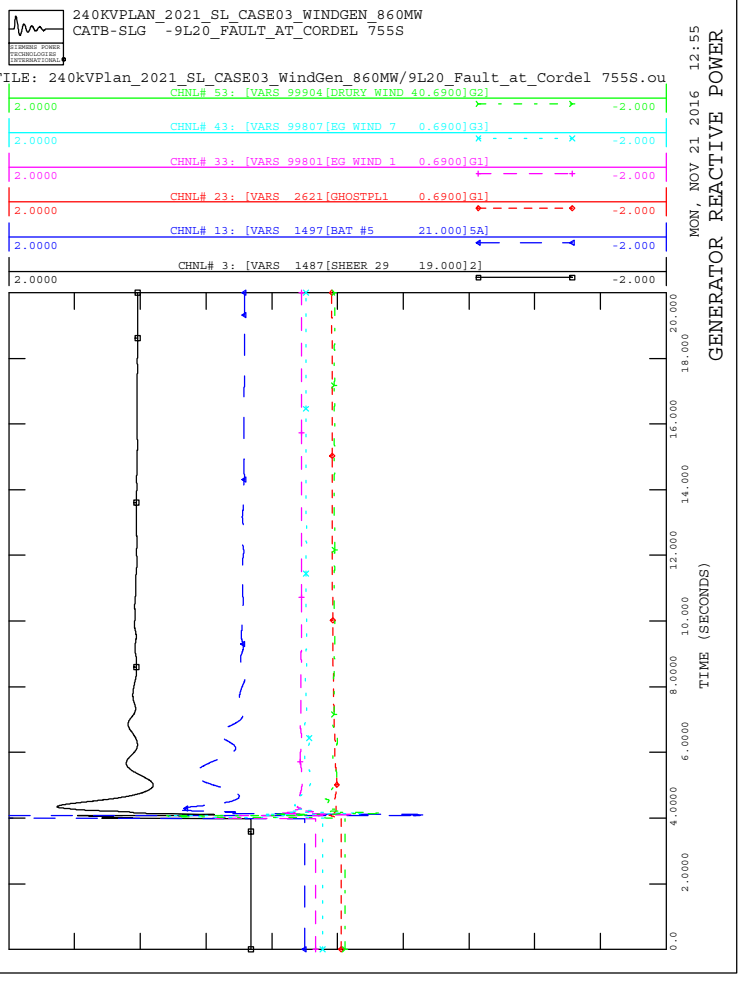
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

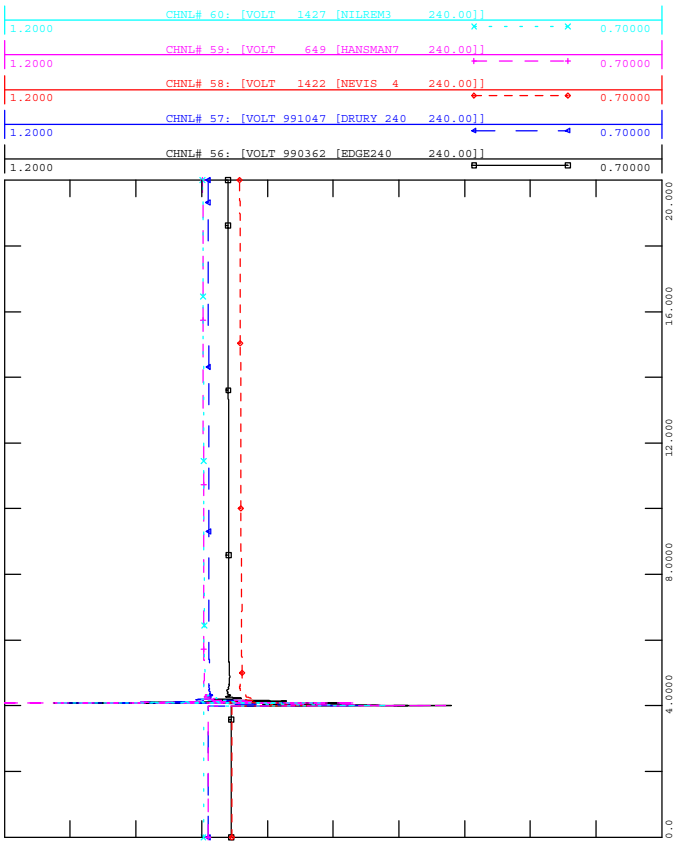

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

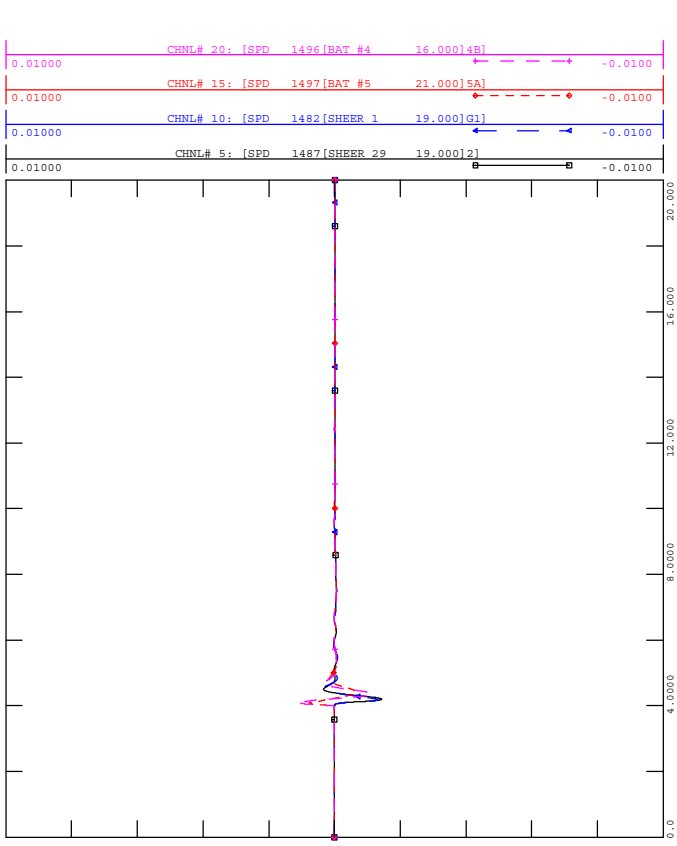


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

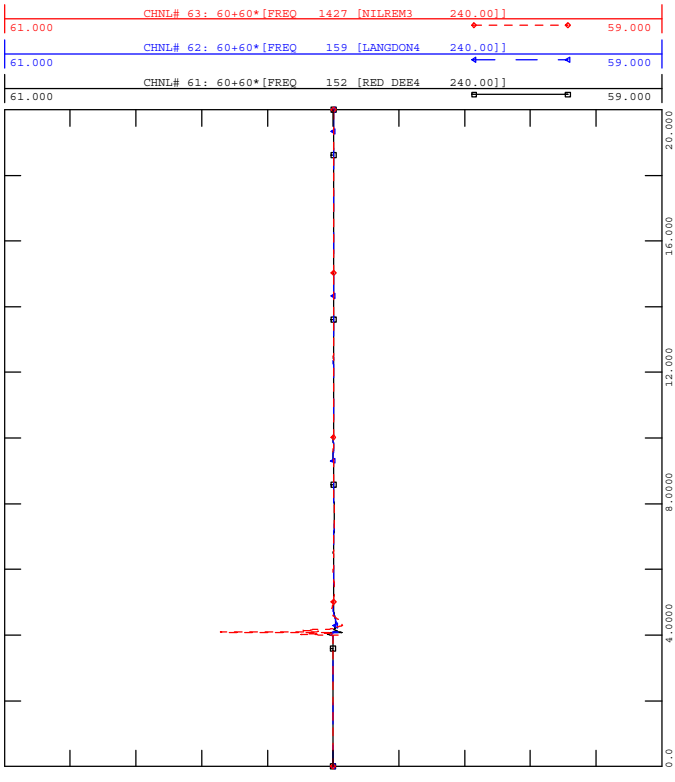


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:55

FREQUENCY

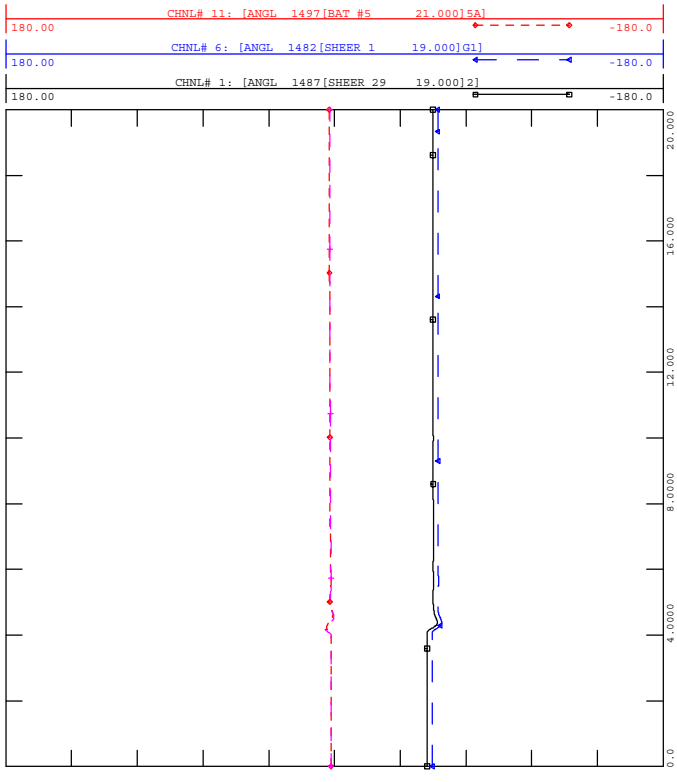


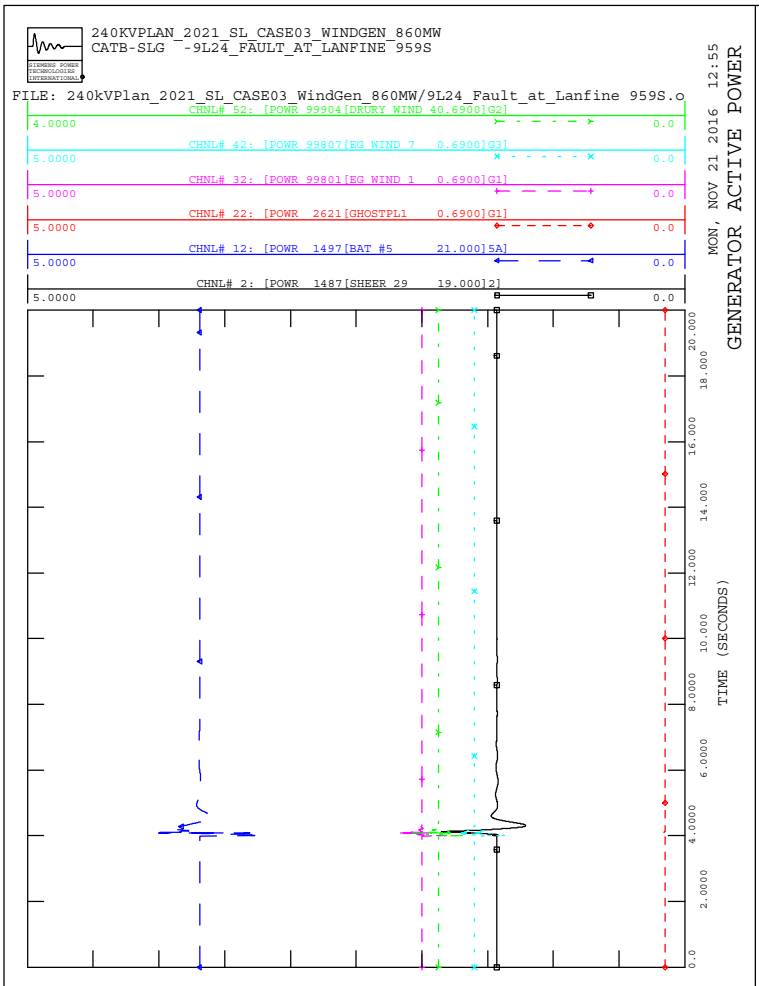
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

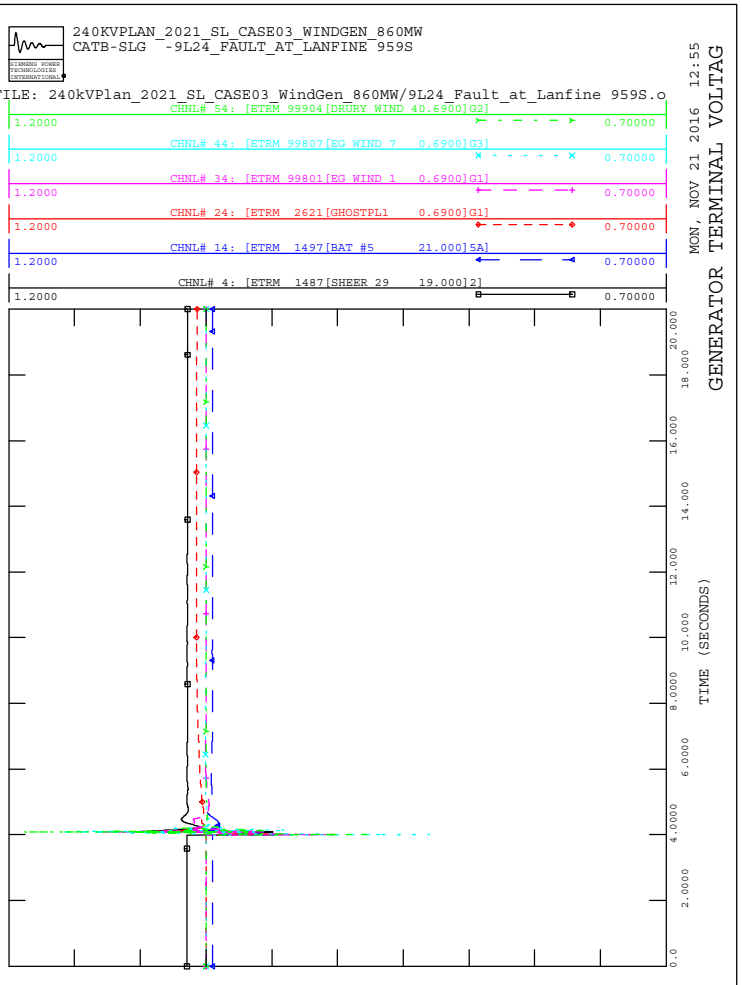
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

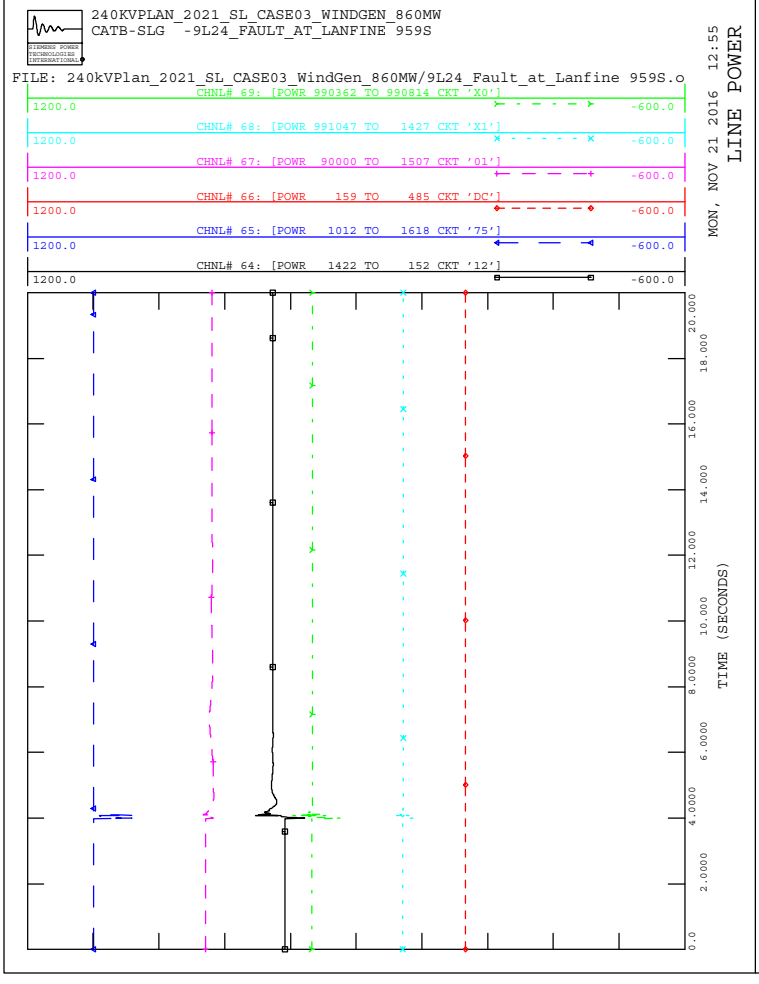
MON, NOV 21 2016 12:55

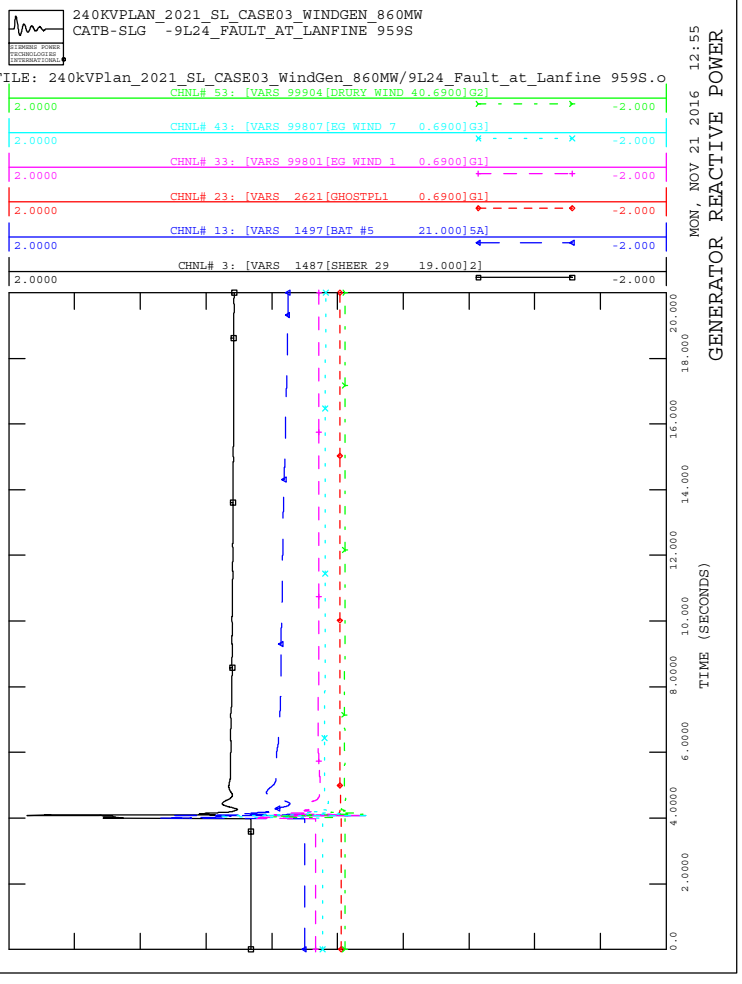
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

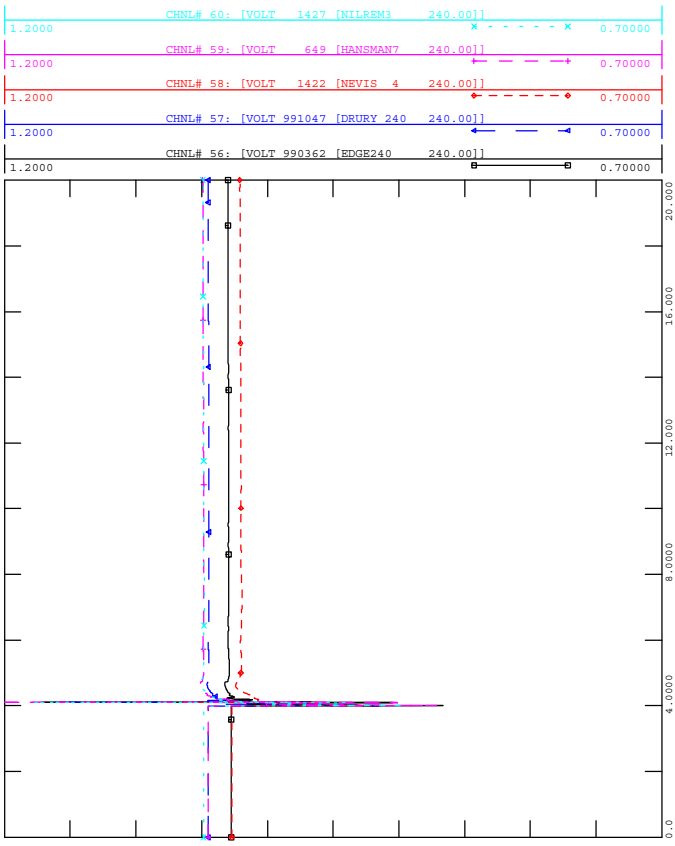

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

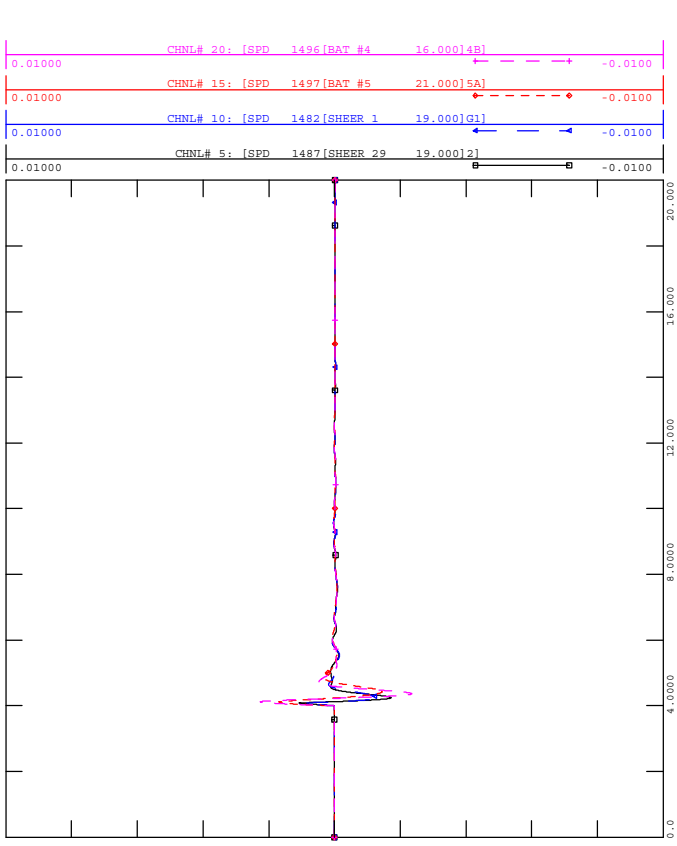


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

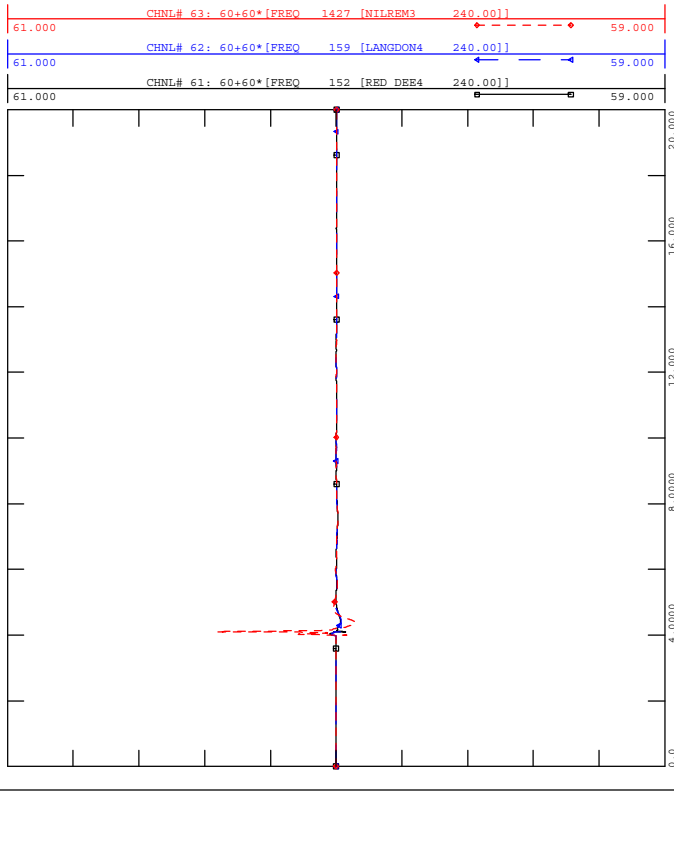


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:55

FREQUENCY

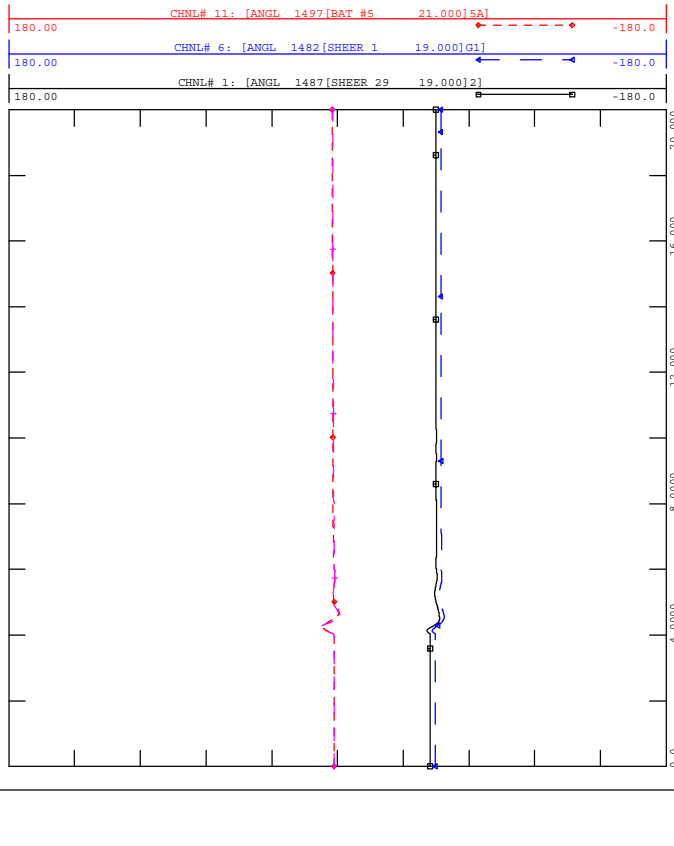


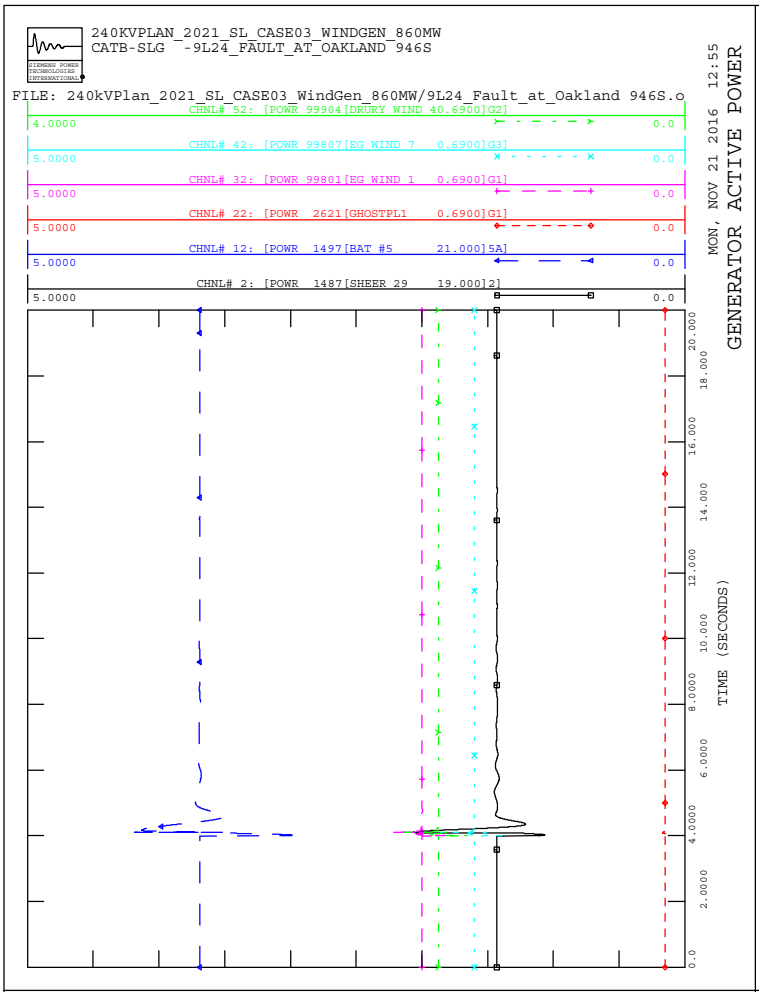
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

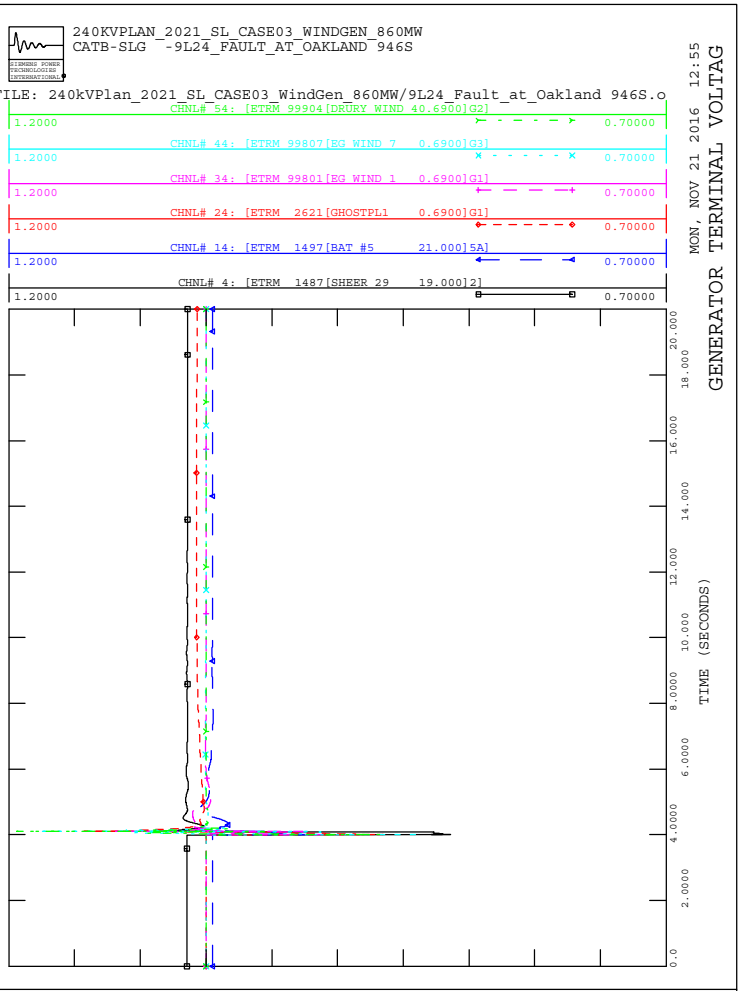
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

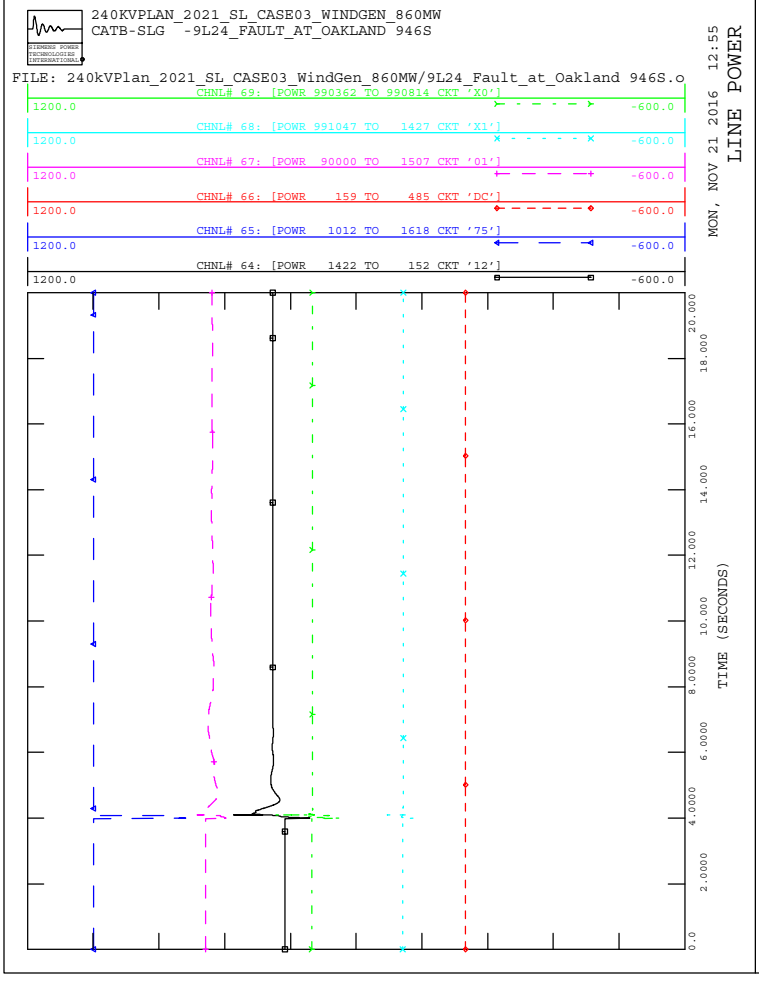
MON, NOV 21 2016 12:55

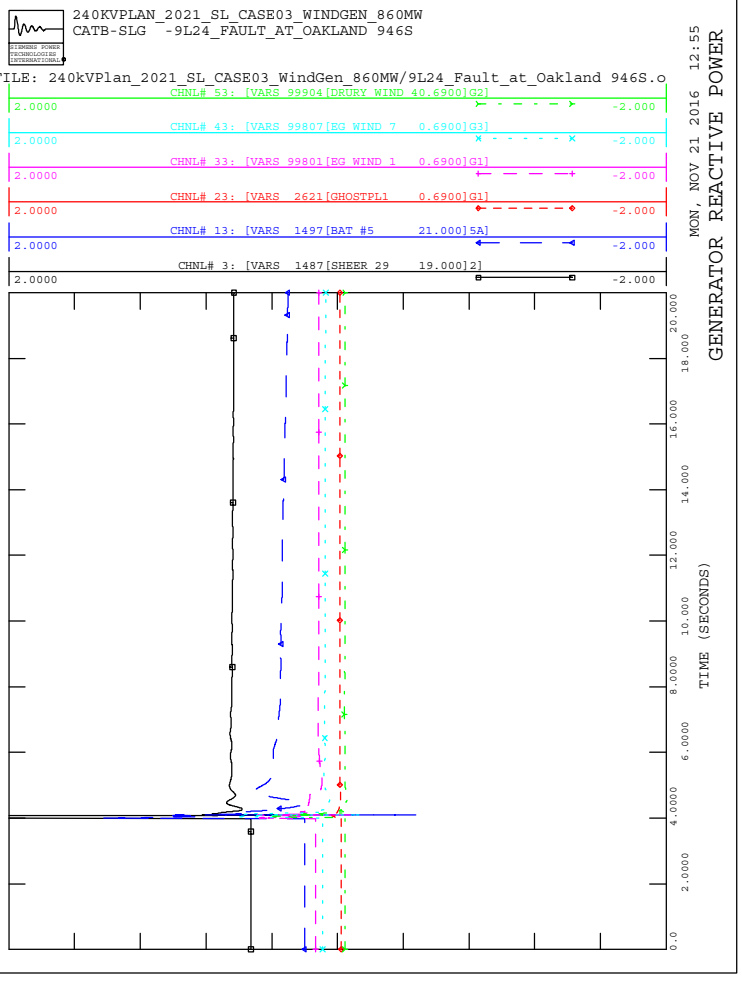
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

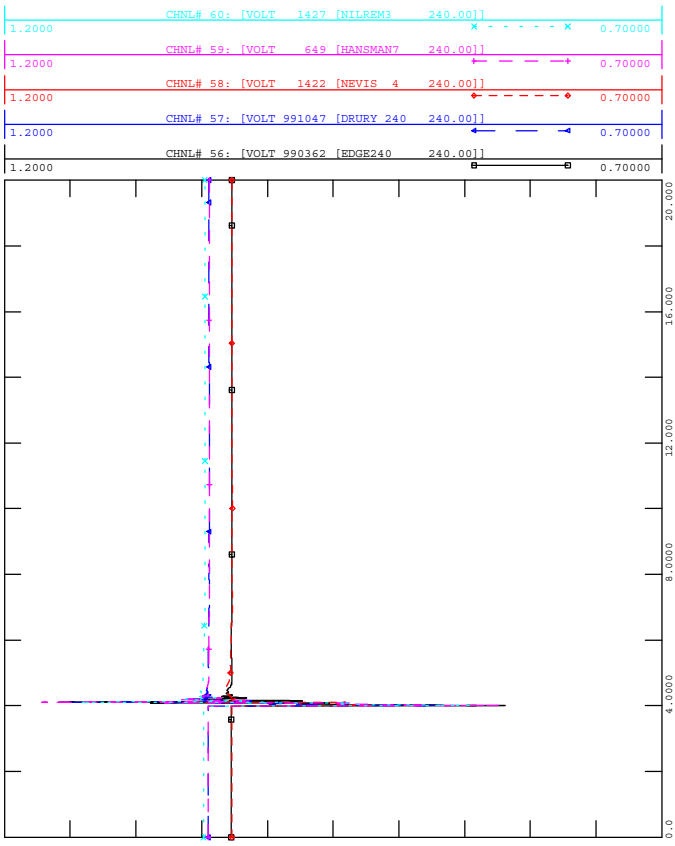

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 12:55

BUS VOLTAGE

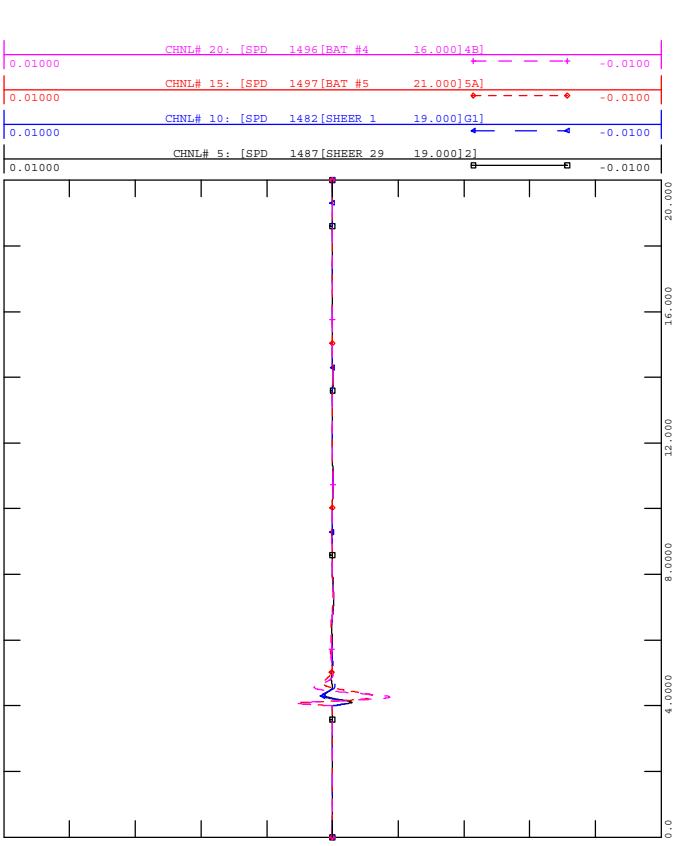


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 12:55

MACHINE SPEED

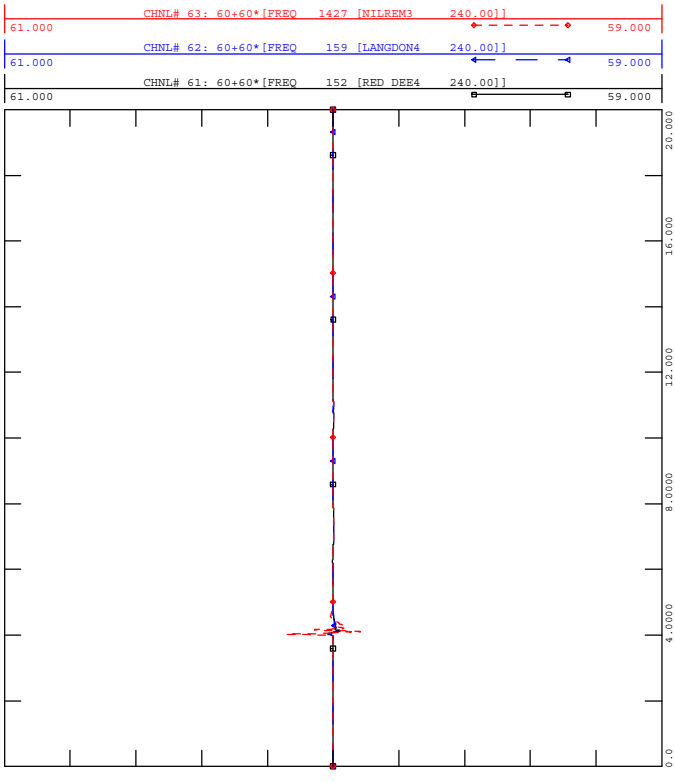


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 12:55

FREQUENCY

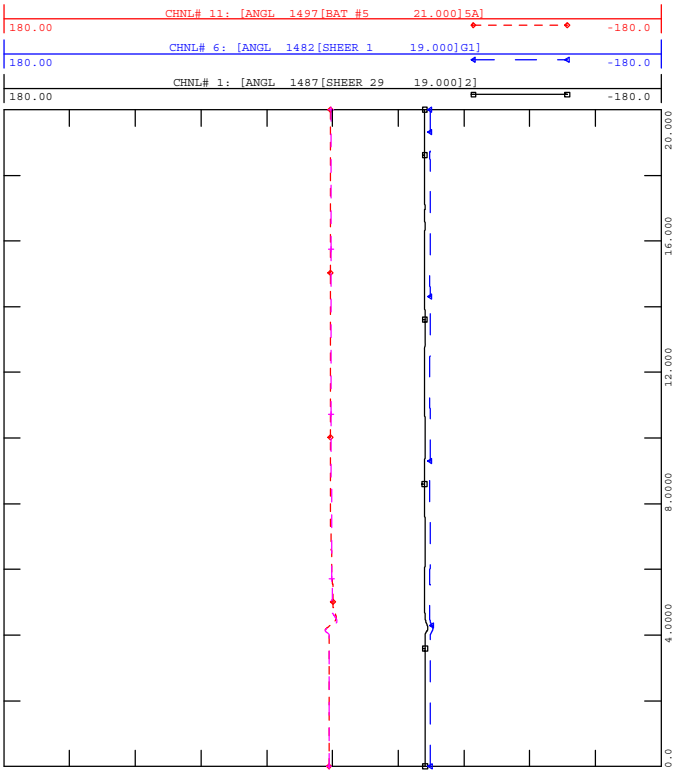


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

GENERATOR ACTIVE POWER

MON, NOV 21 2016 12:55

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

GENERATOR TERMINAL VOLTAG

MON, NOV 21 2016 12:55

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

LINE POWER

MON, NOV 21 2016 12:55

TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Paintearth 863

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

GENERATOR REACTIVE POWER

MON, NOV 21 2016 12:55

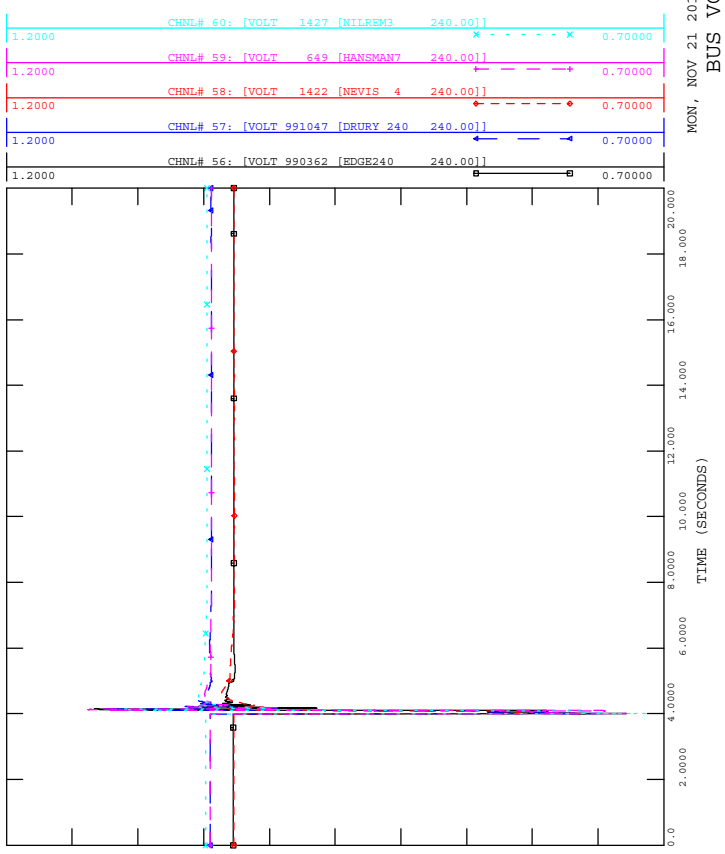
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

BUS VOLTAGE

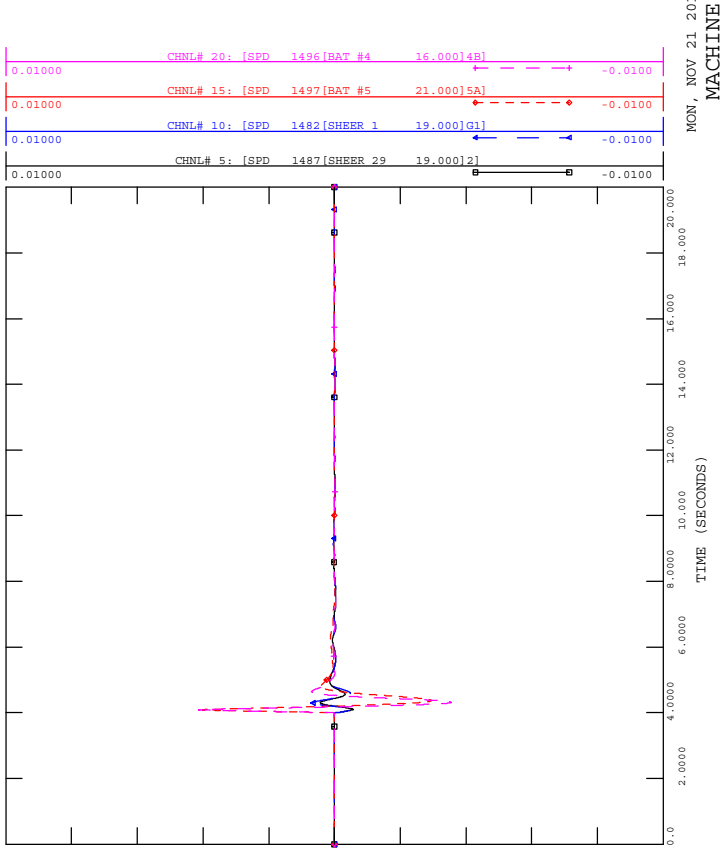


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

MACHINE SPEED

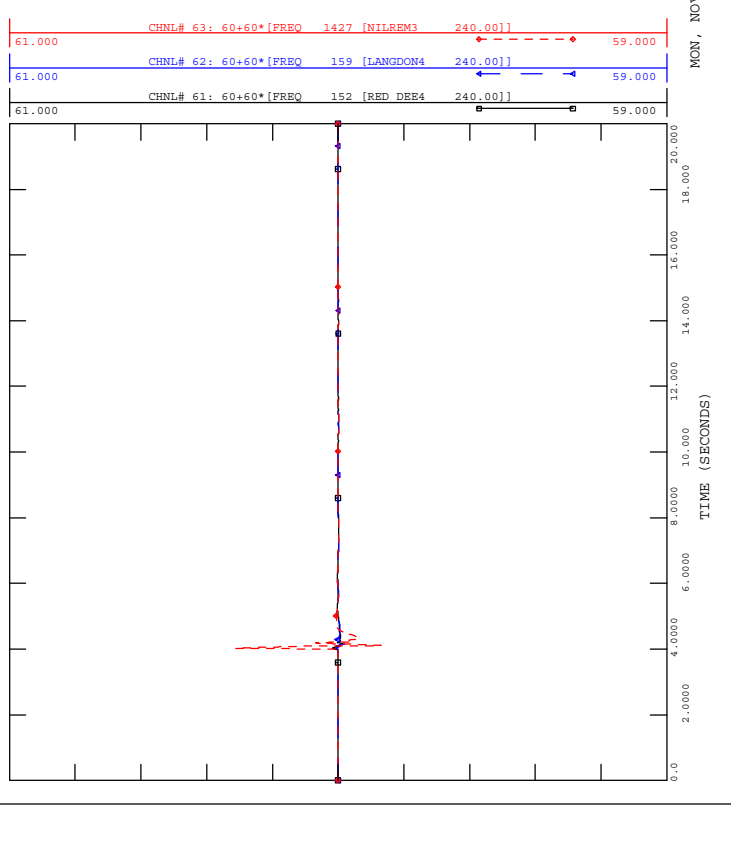


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

FREQUENCY

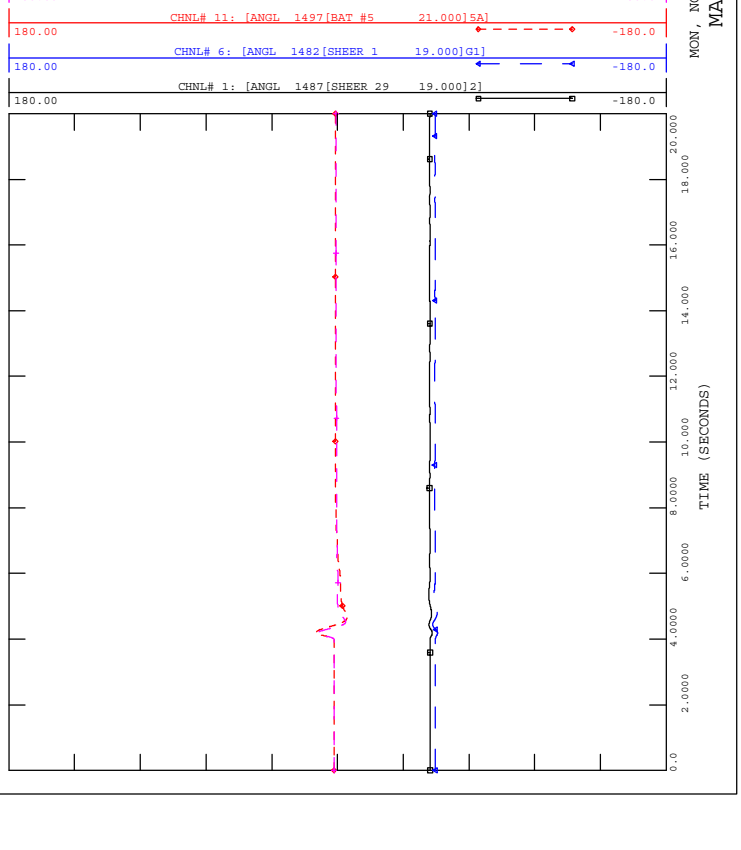


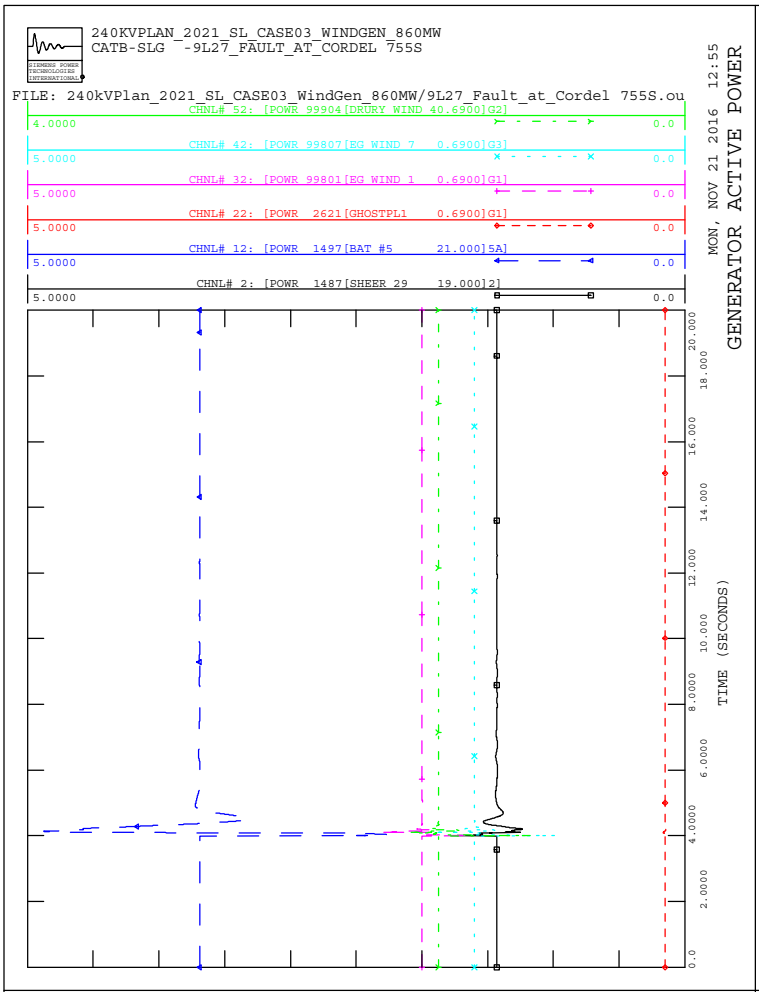
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

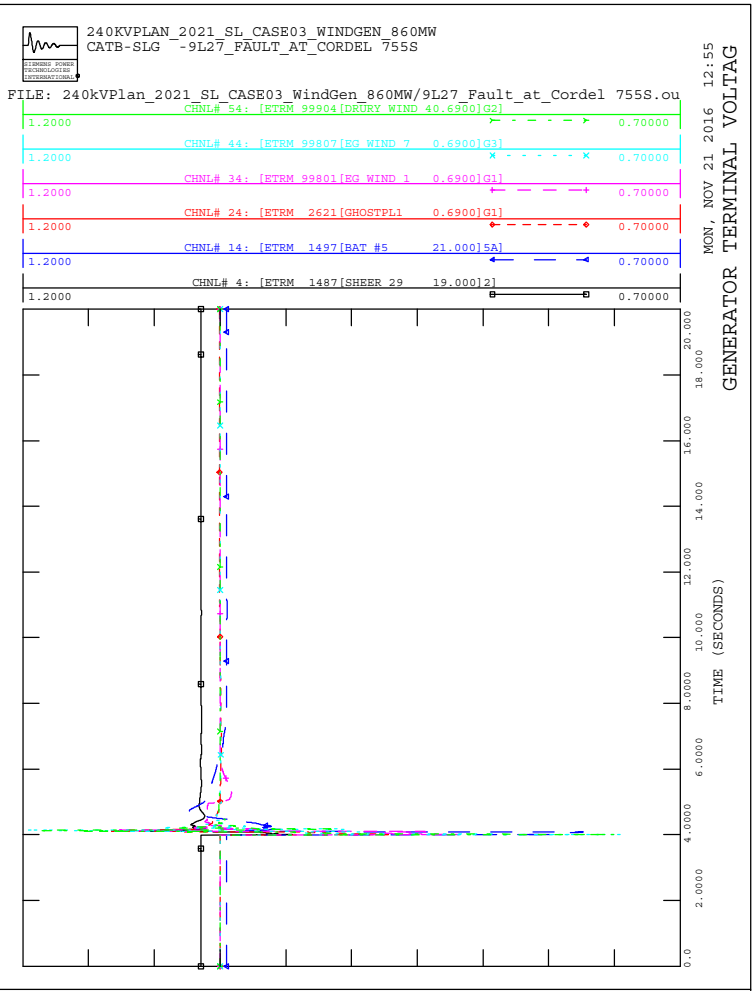
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

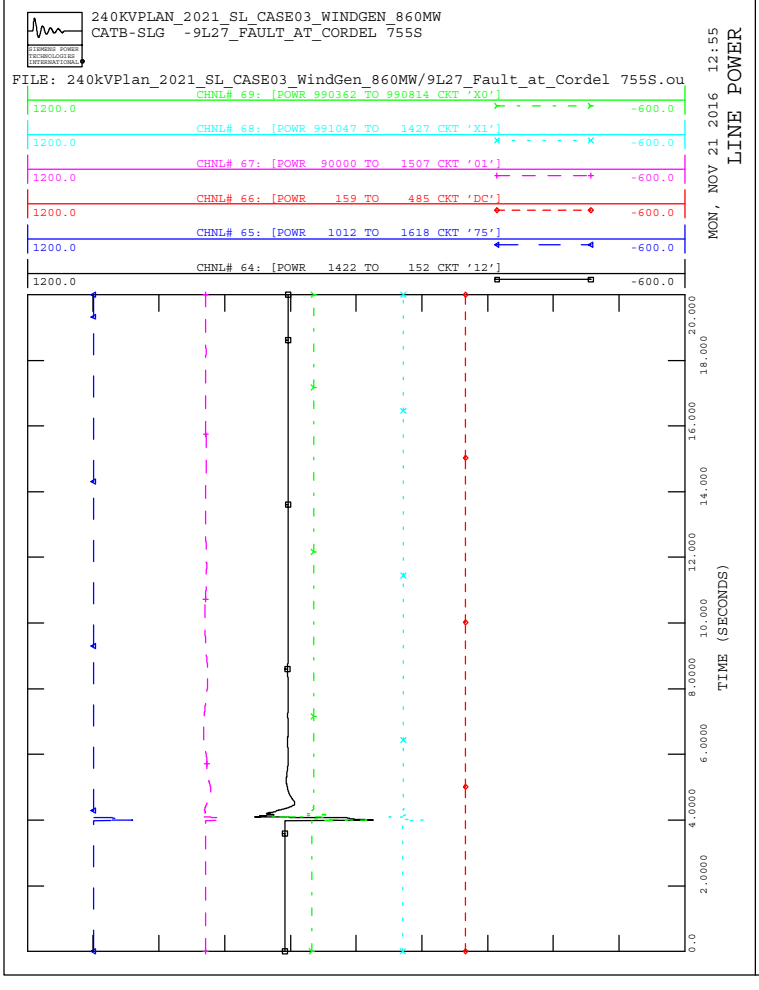
MON, NOV 21 2016 12:55

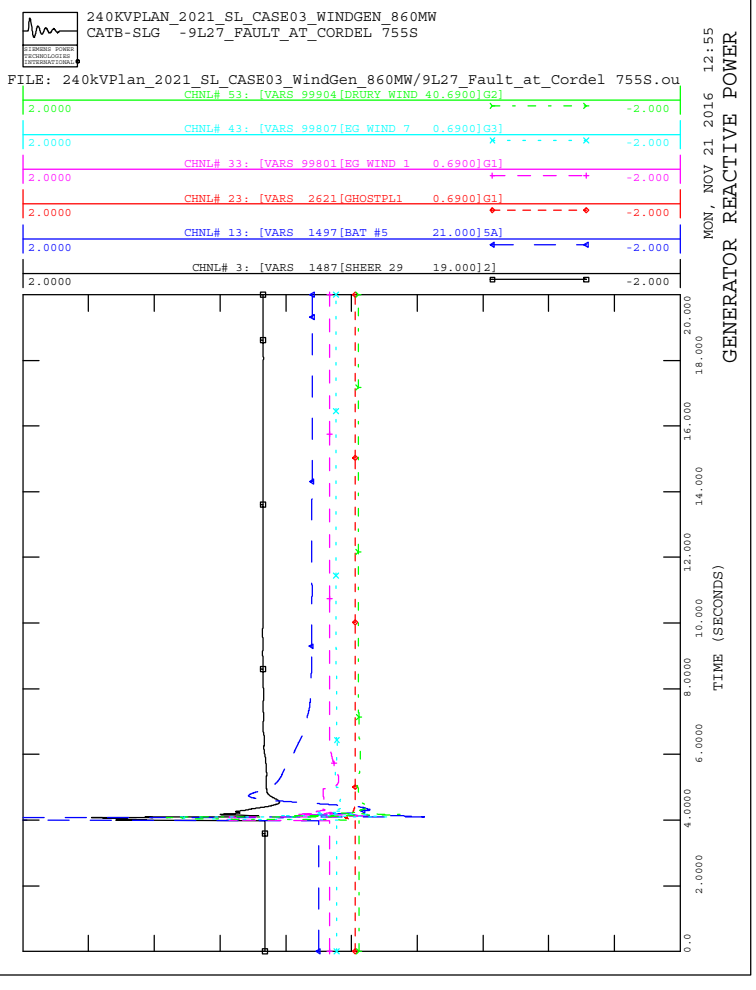
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou
MON, NOV 21 2016 12:55
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)

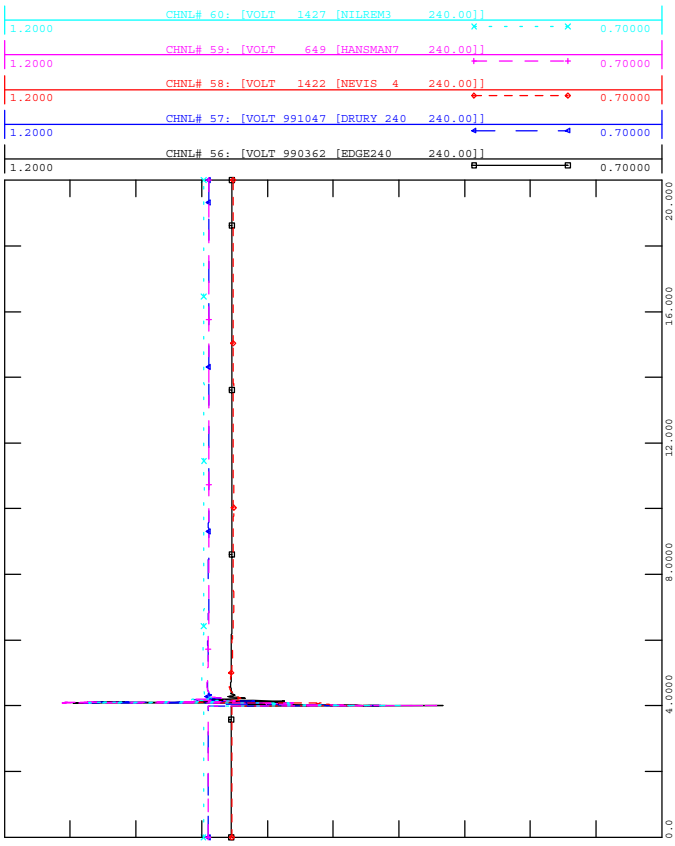

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

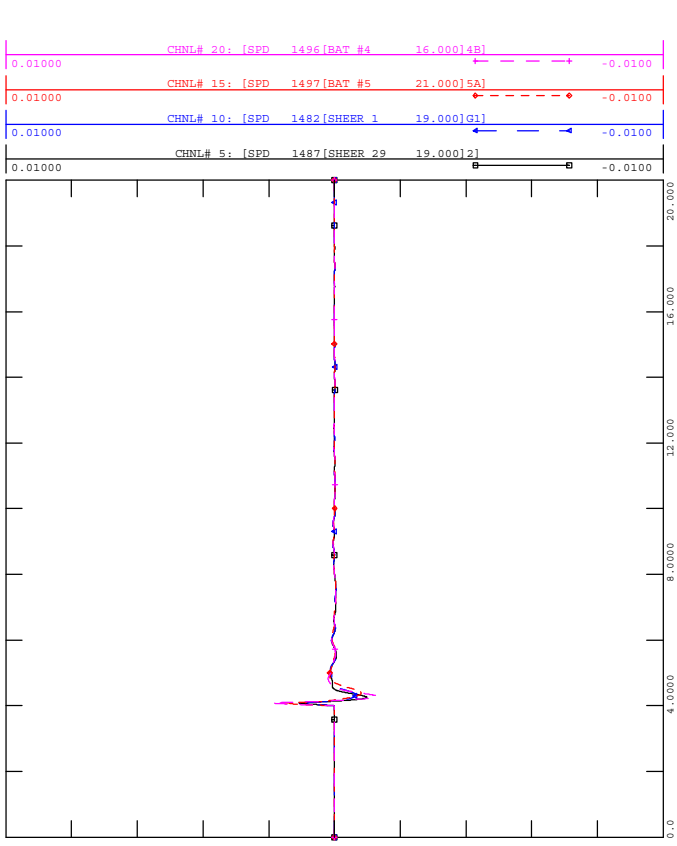


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

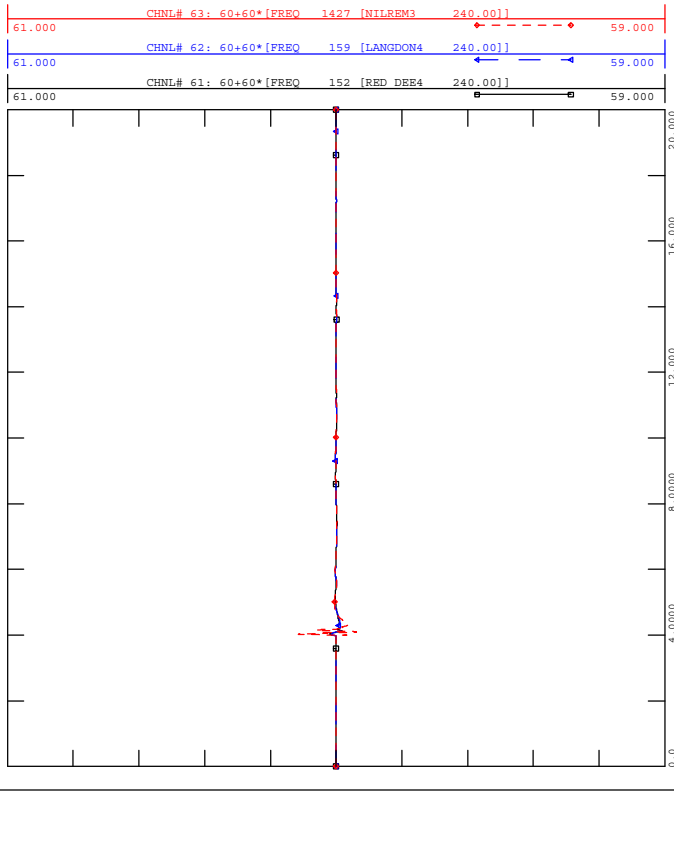


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:55

FREQUENCY

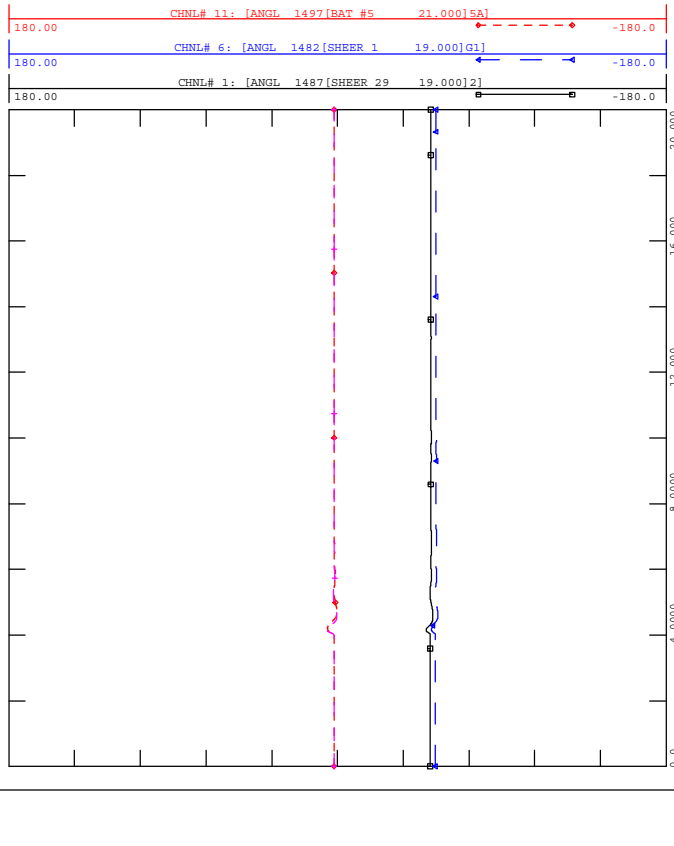


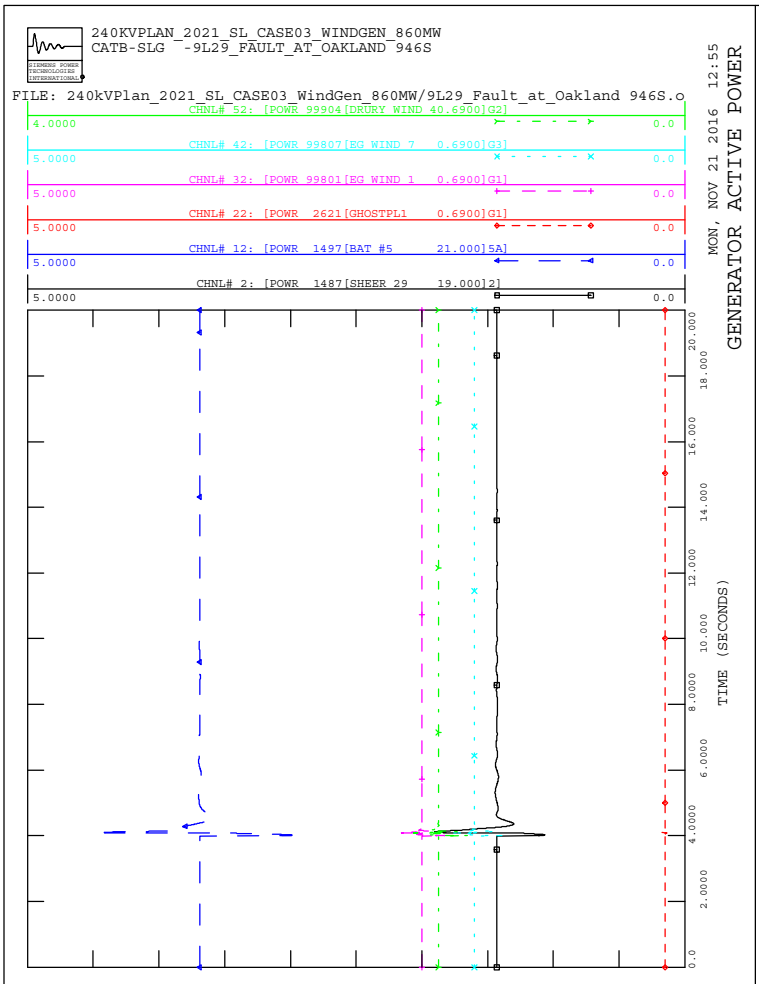
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

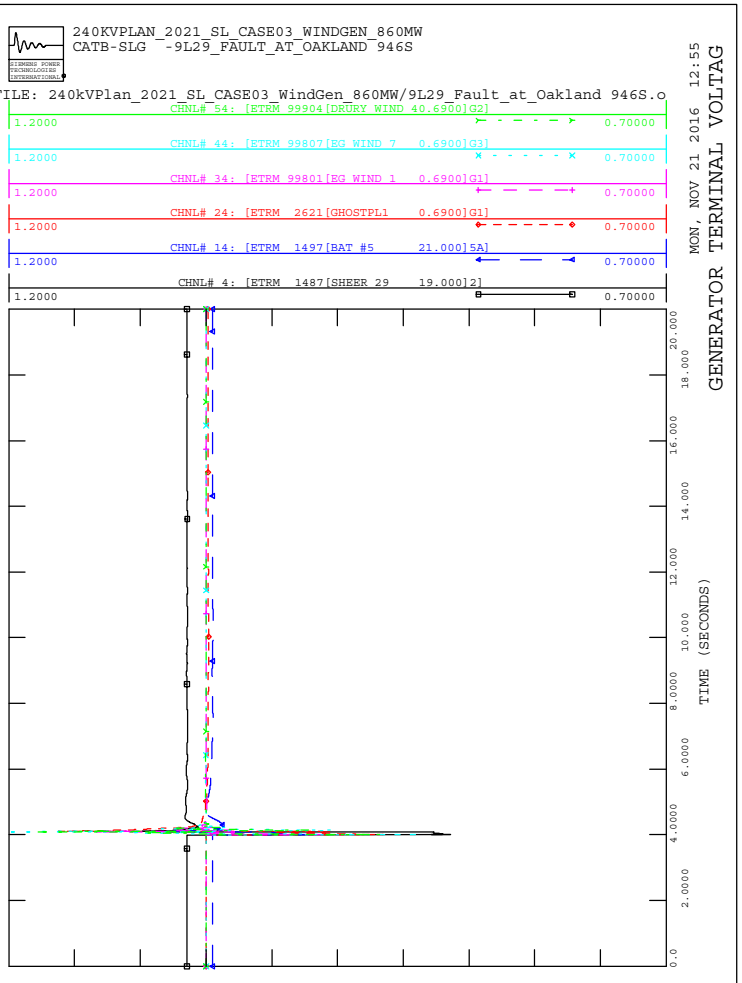
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

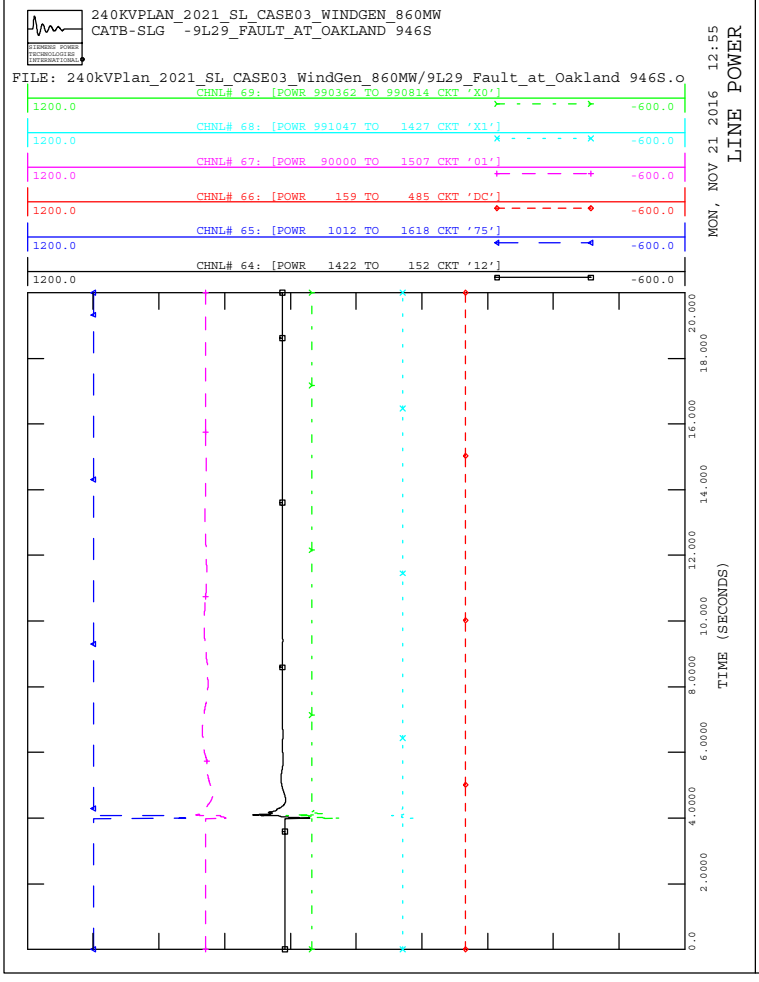
MON, NOV 21 2016 12:55

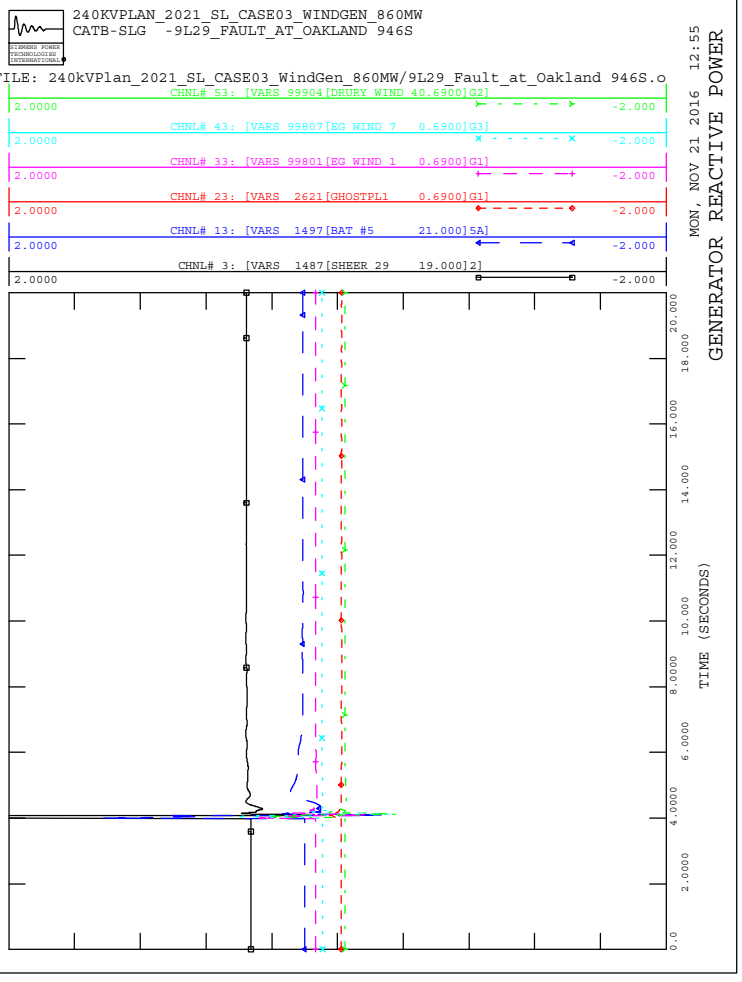
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

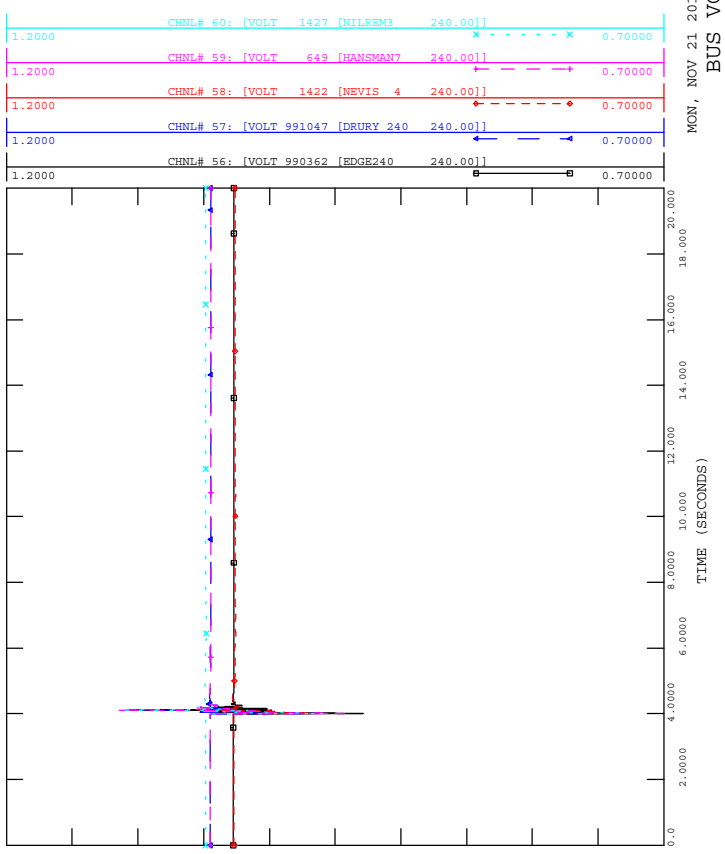

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96

MON, NOV 21 2016 12:55

BUS VOLTAGE

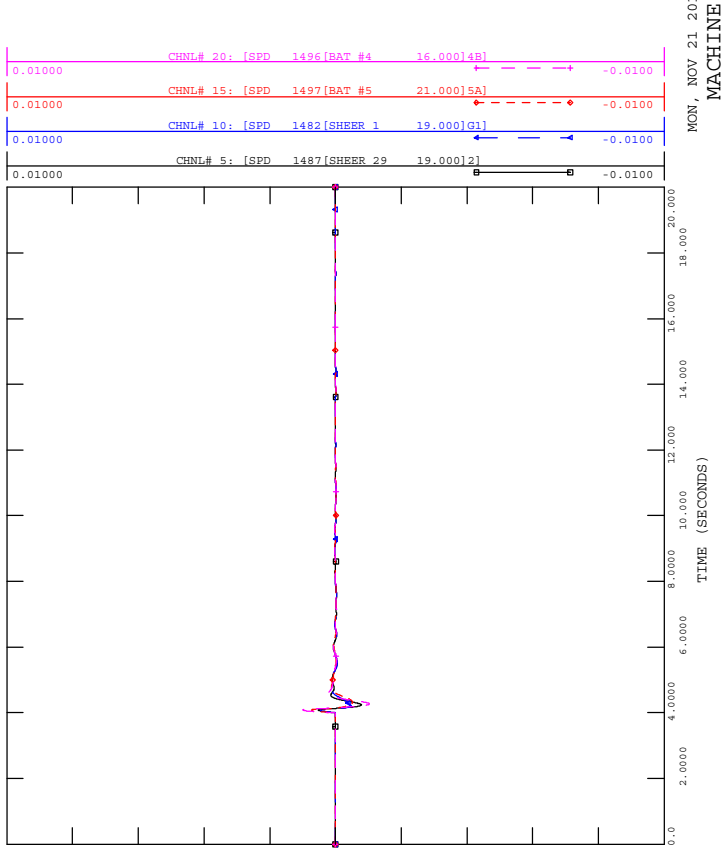


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96

MON, NOV 21 2016 12:55

MACHINE SPEED

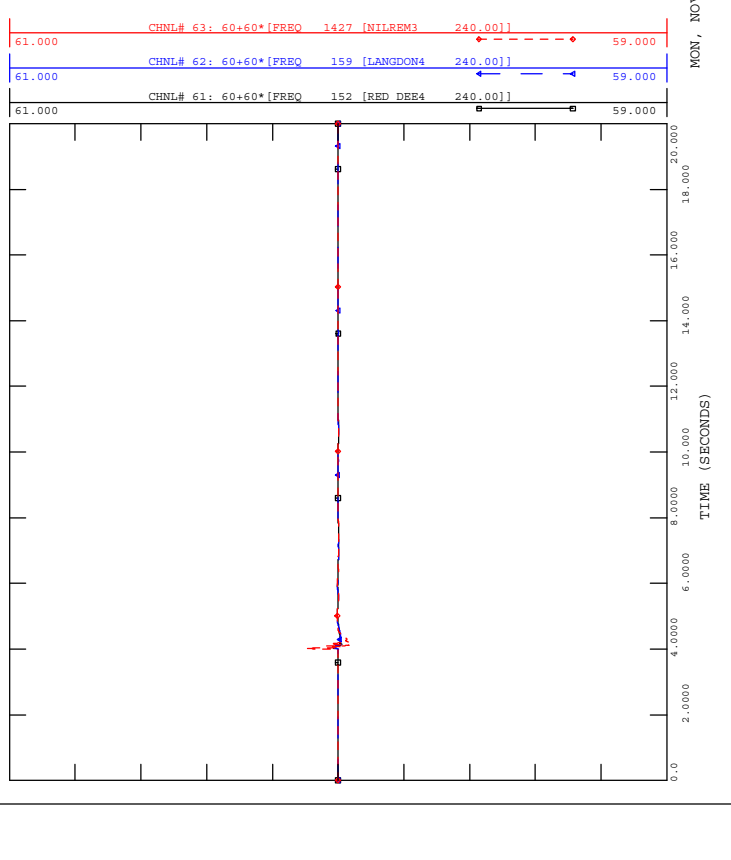


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96

MON, NOV 21 2016 12:55

FREQUENCY

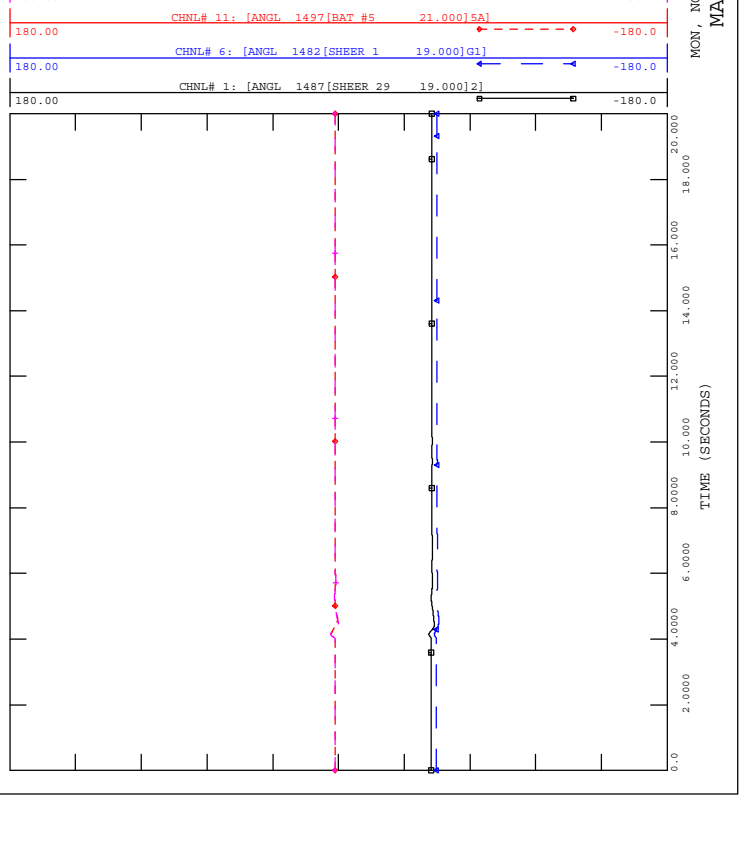


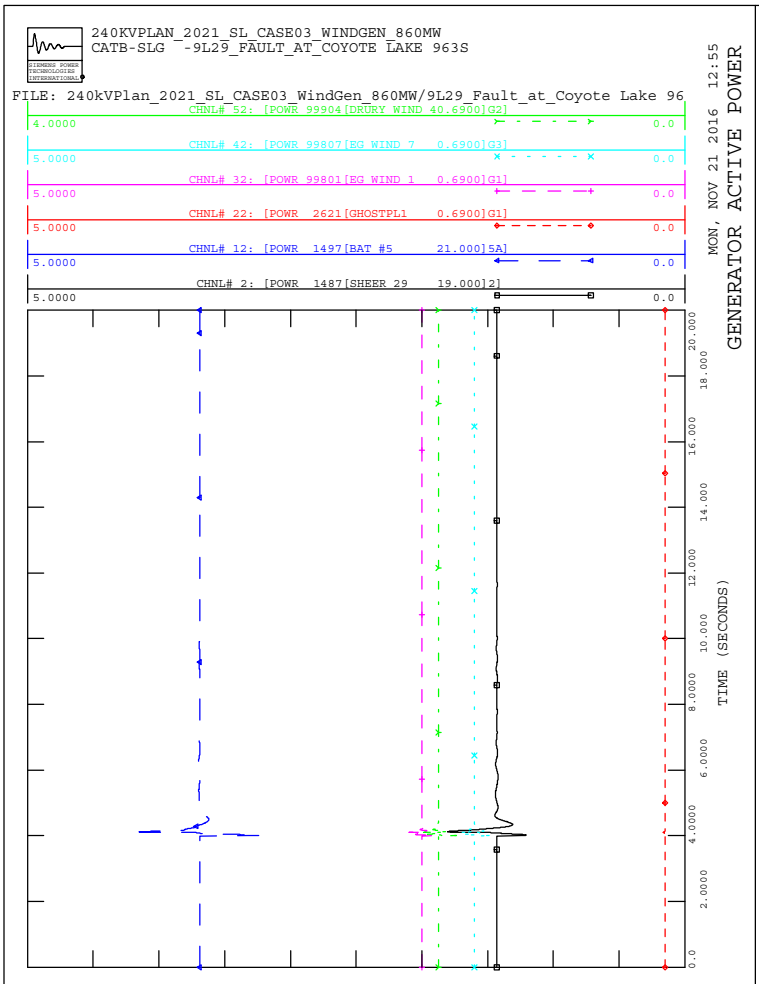
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

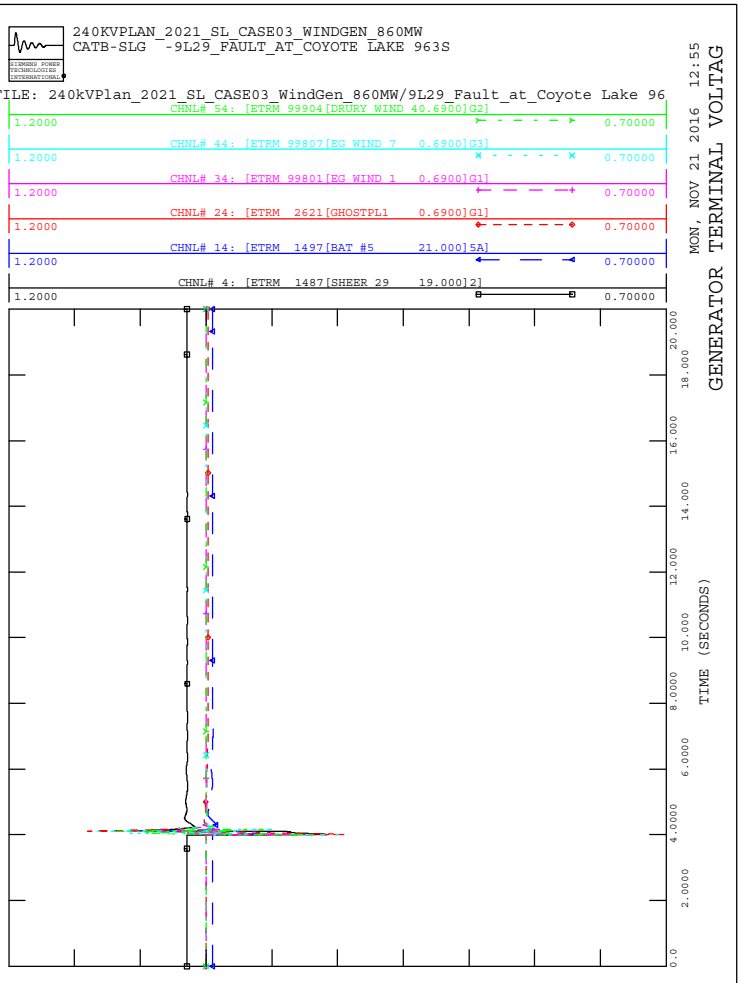
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96

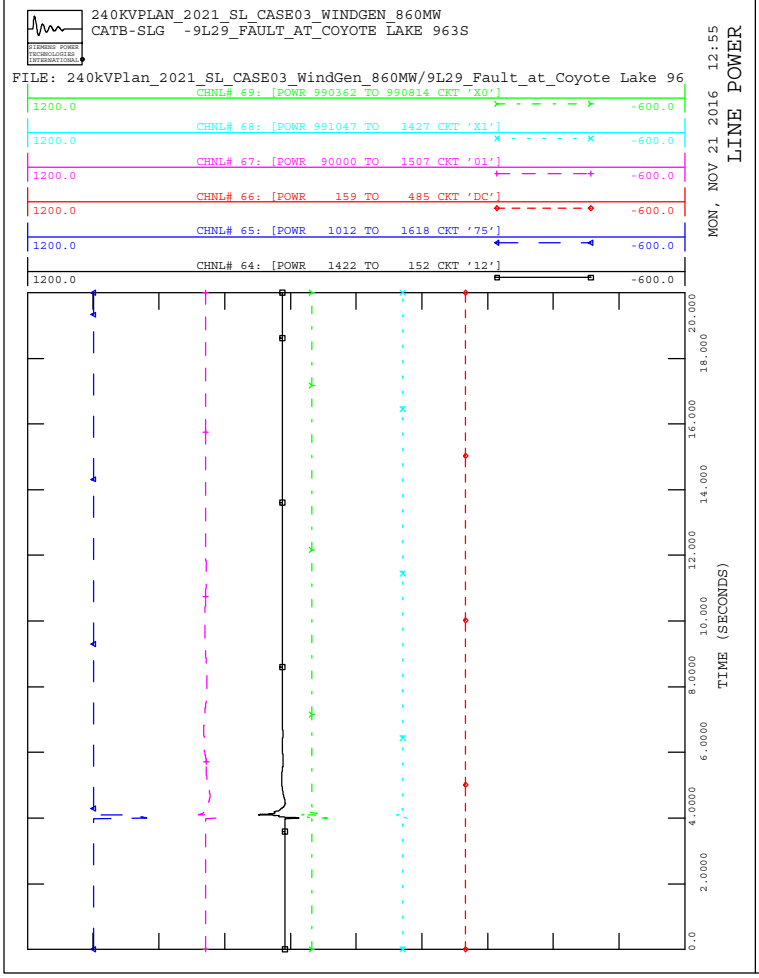
MON, NOV 21 2016 12:55

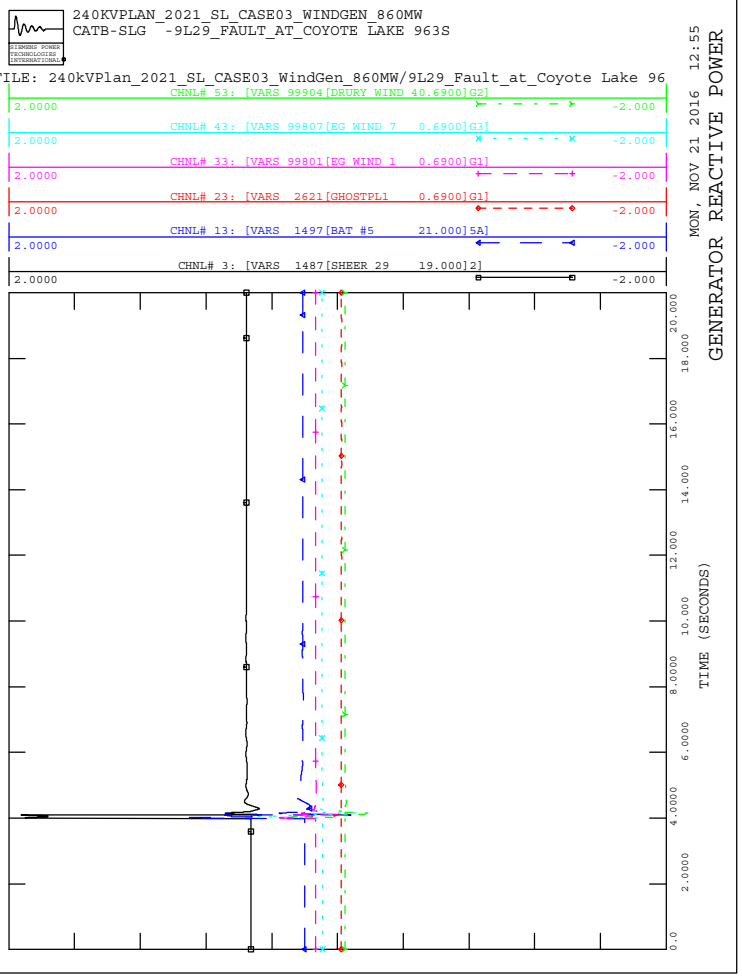
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:55
LINE POWER

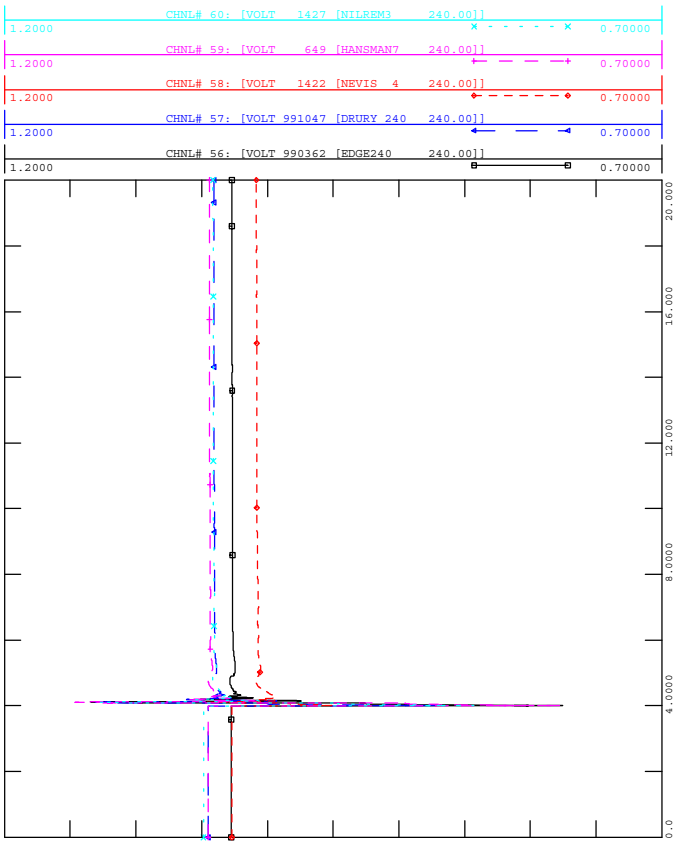

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L29_Fault_at_Coyote Lake 96
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

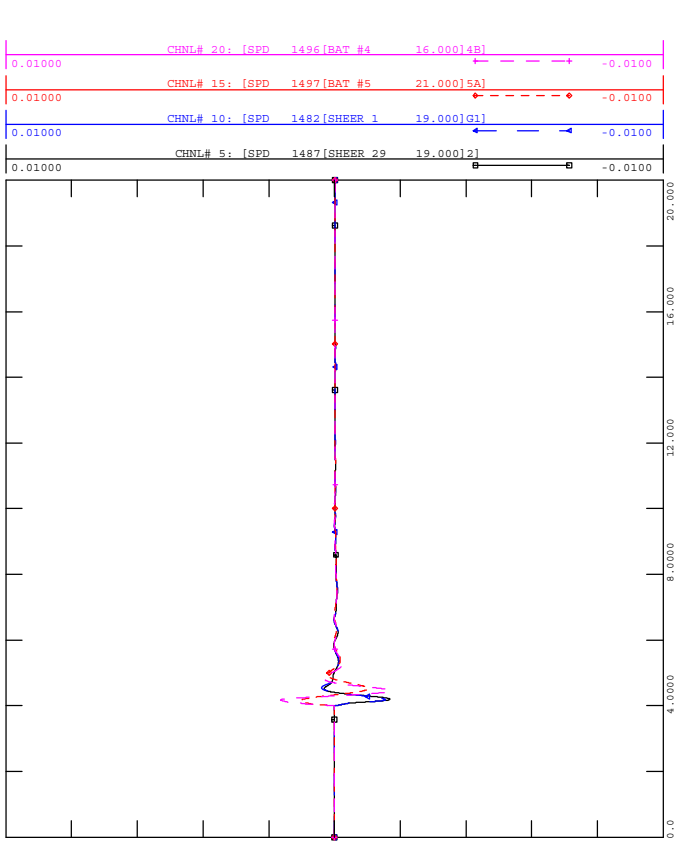


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

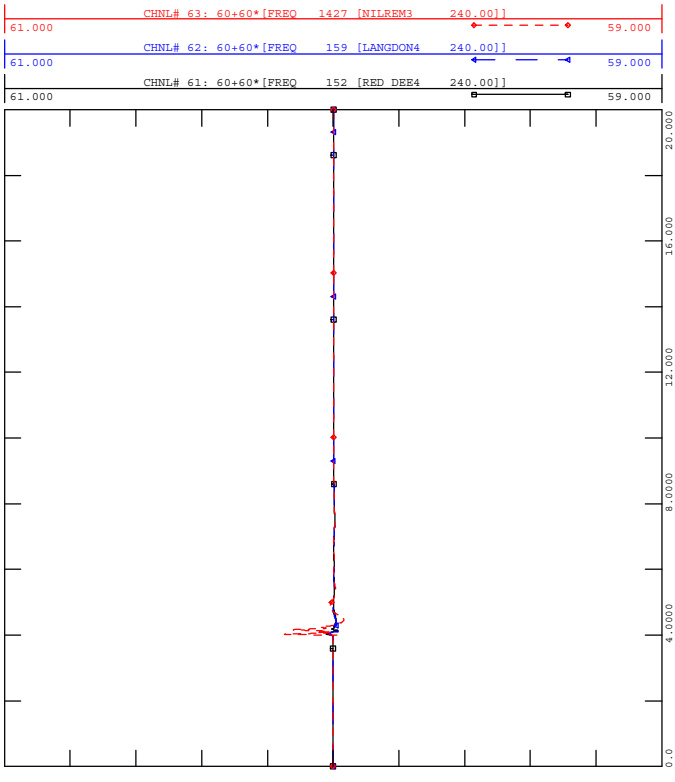


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

MON, NOV 21 2016 12:55

FREQUENCY

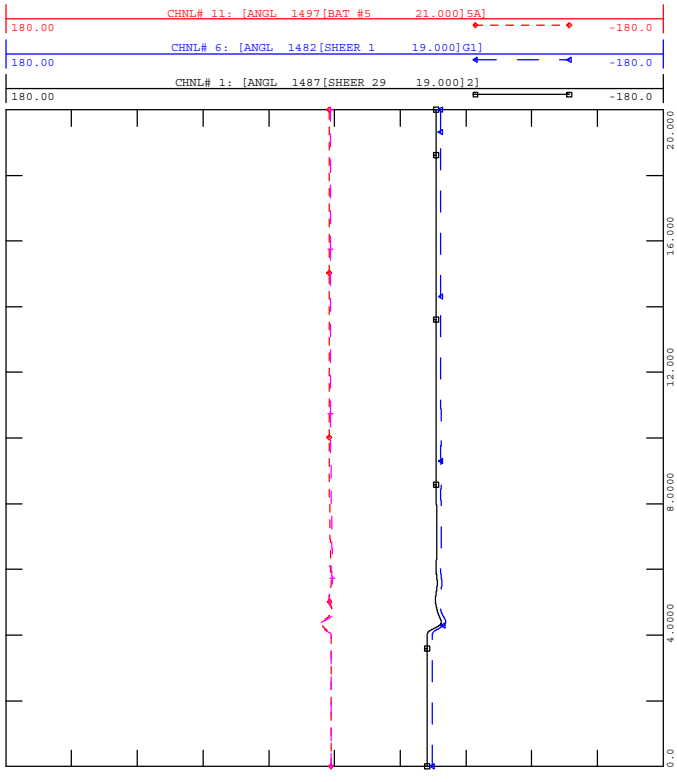


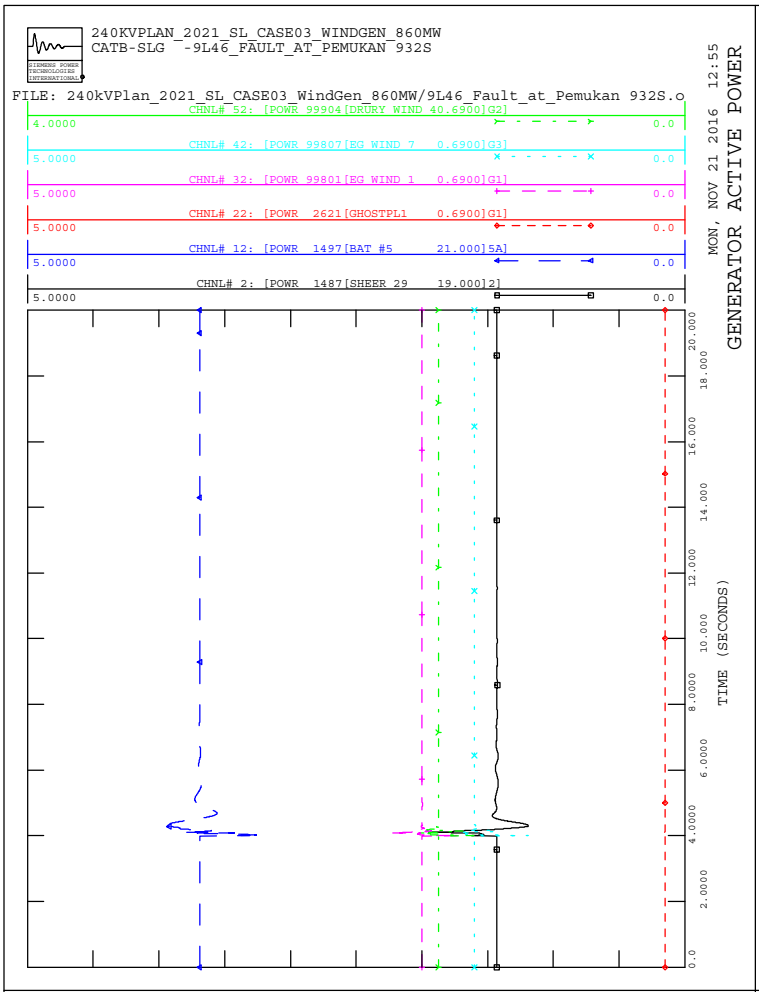
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

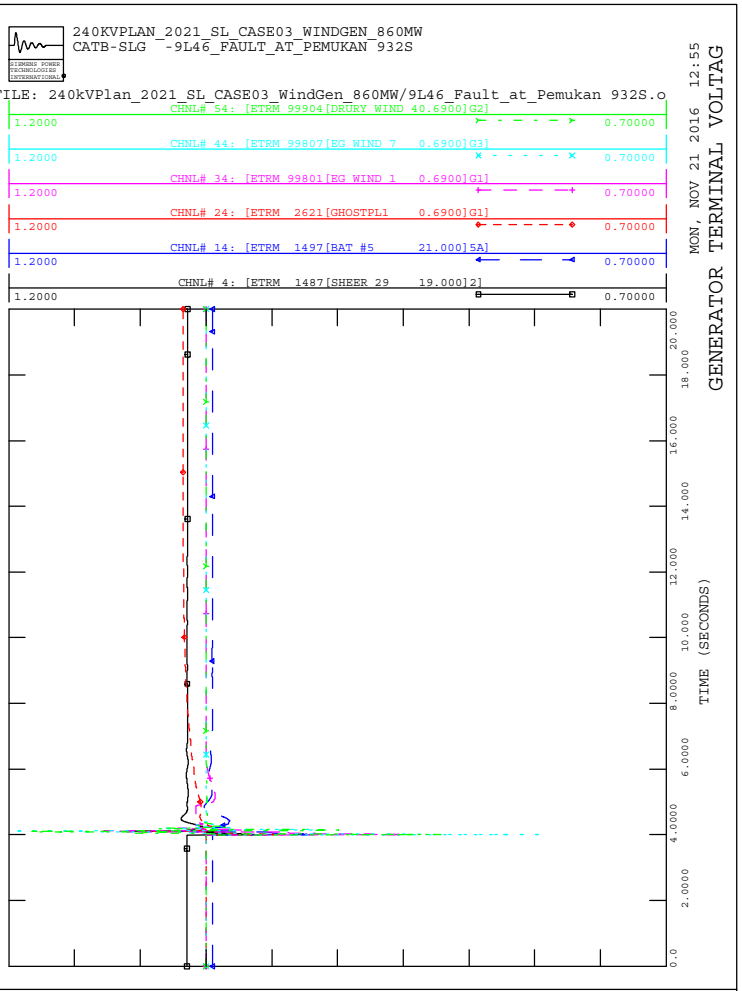
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

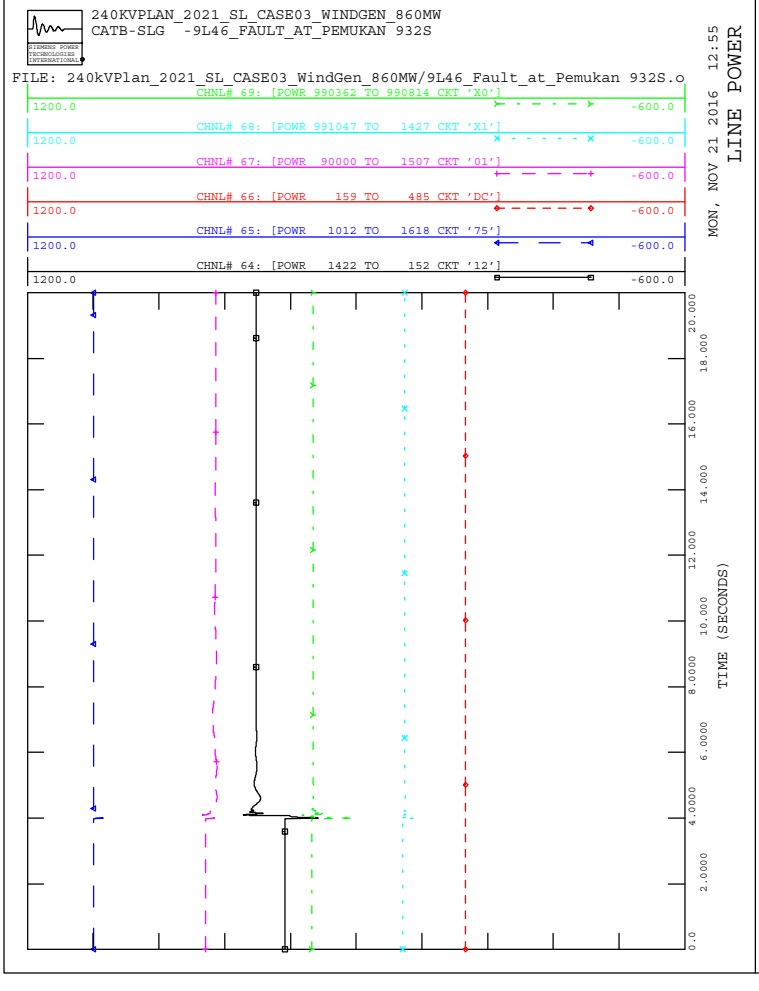
MON, NOV 21 2016 12:55

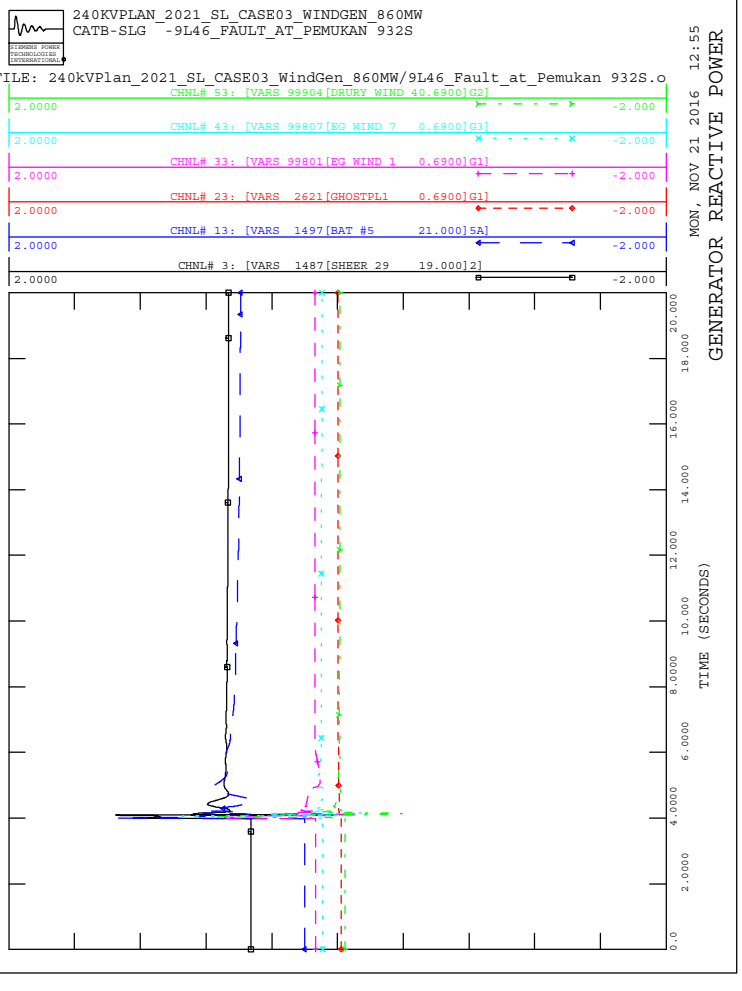
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

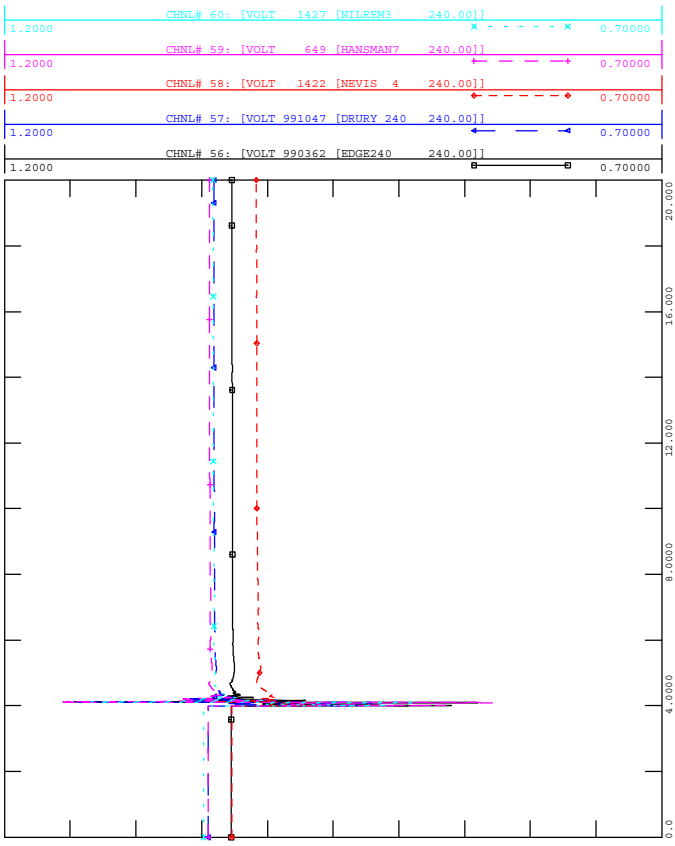

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

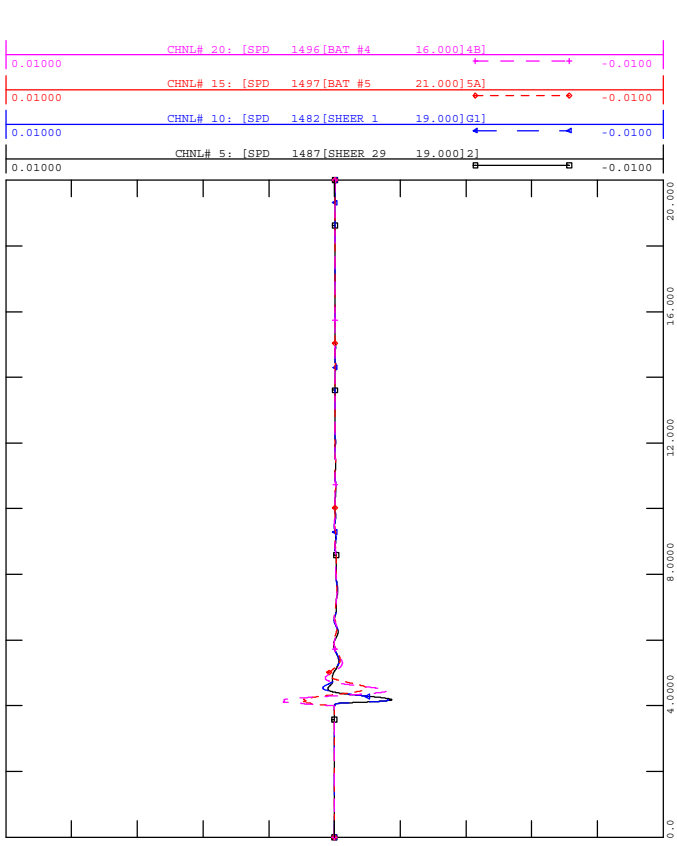


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

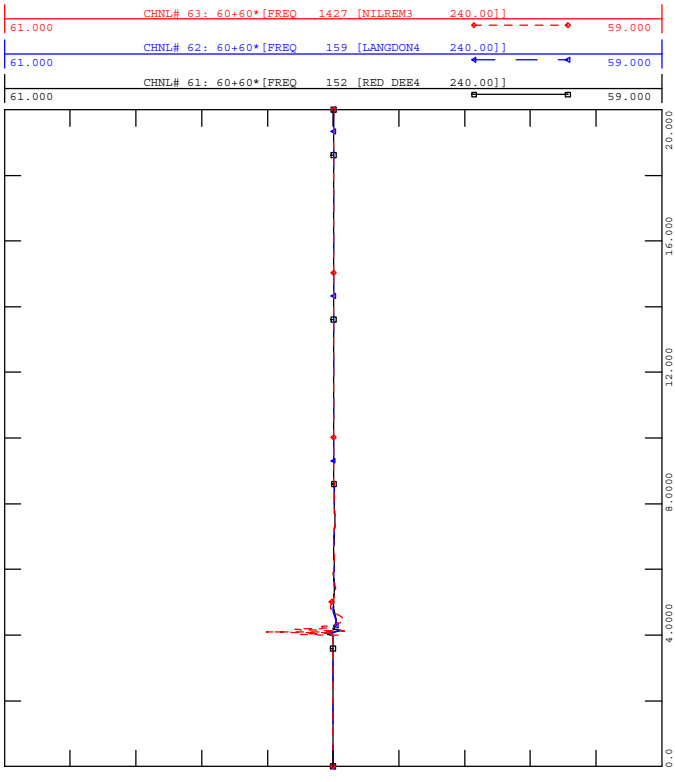


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:55

FREQUENCY

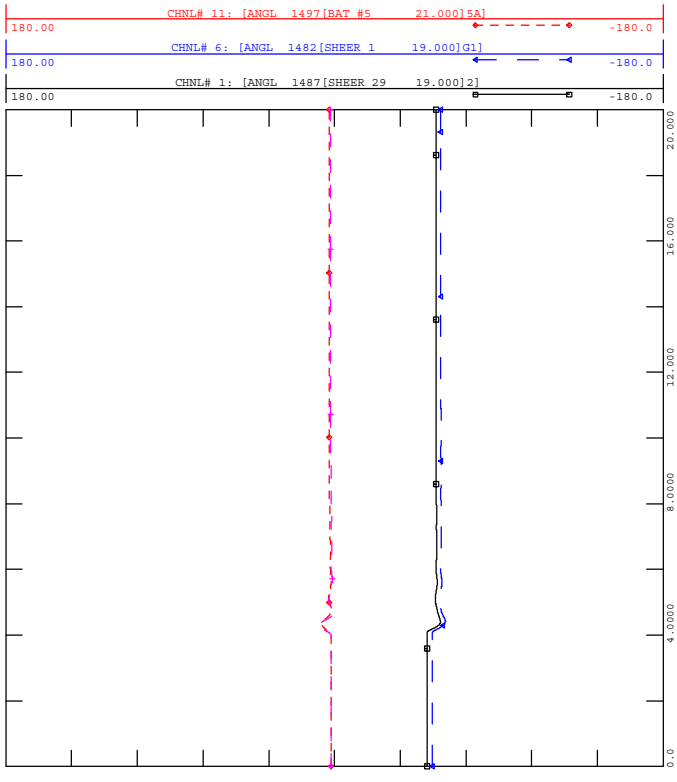


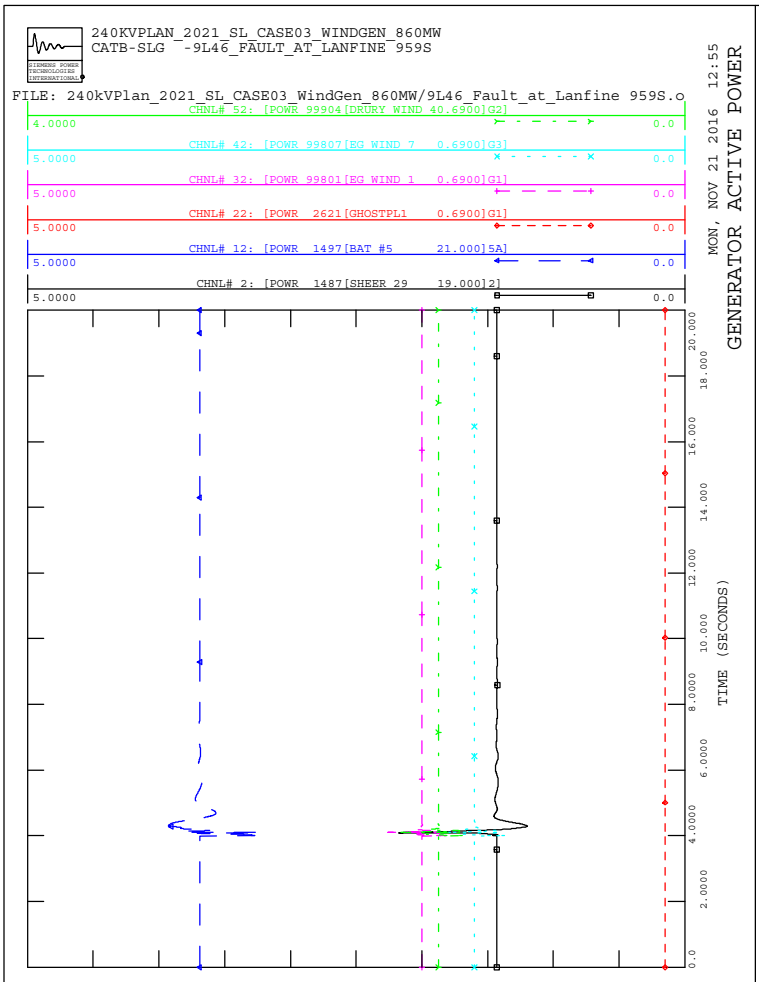
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

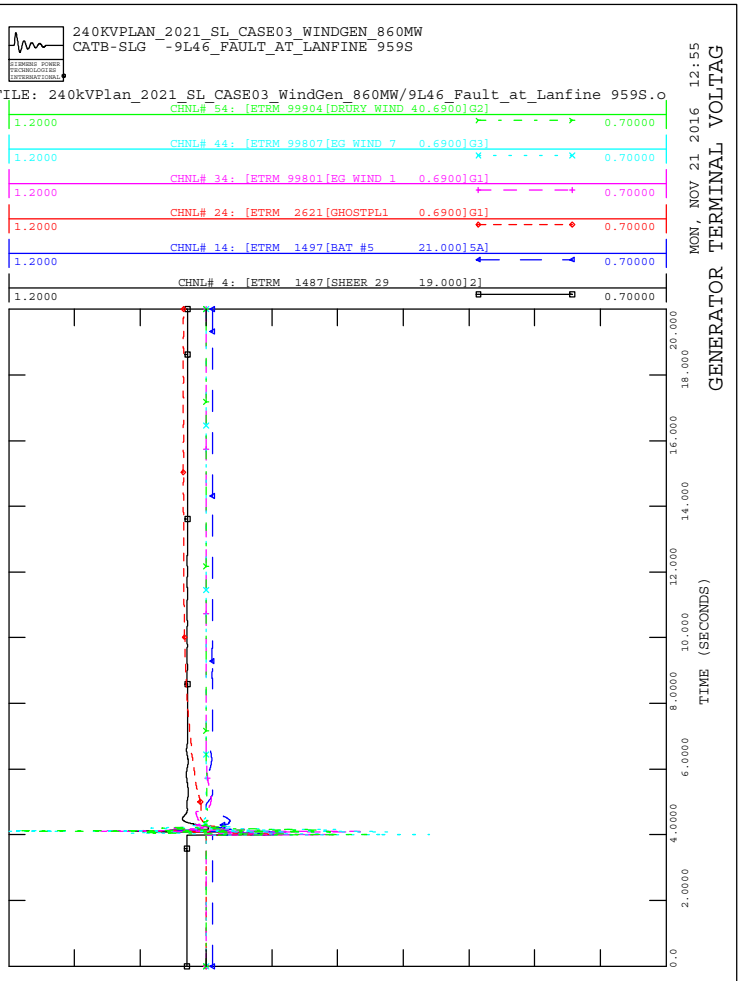
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

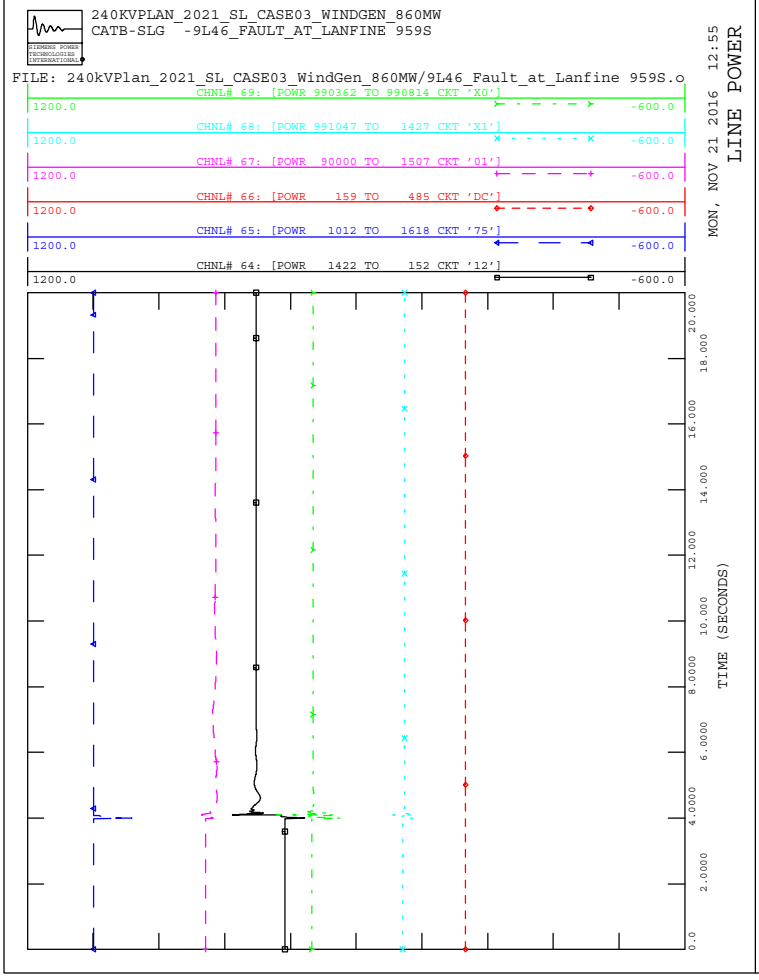
MON, NOV 21 2016 12:55

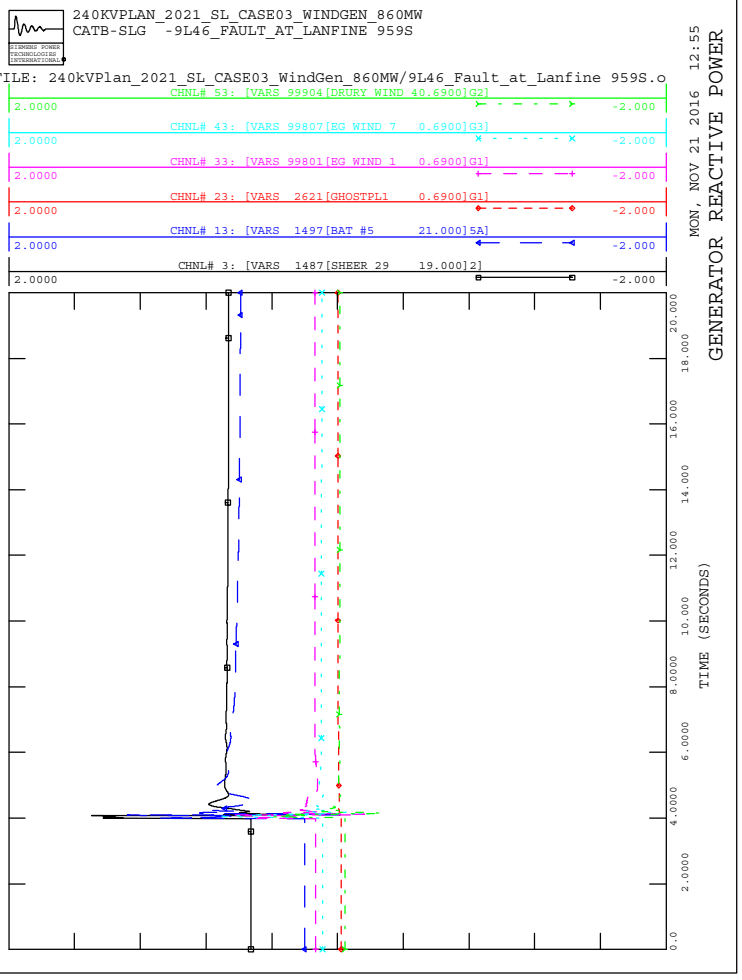
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

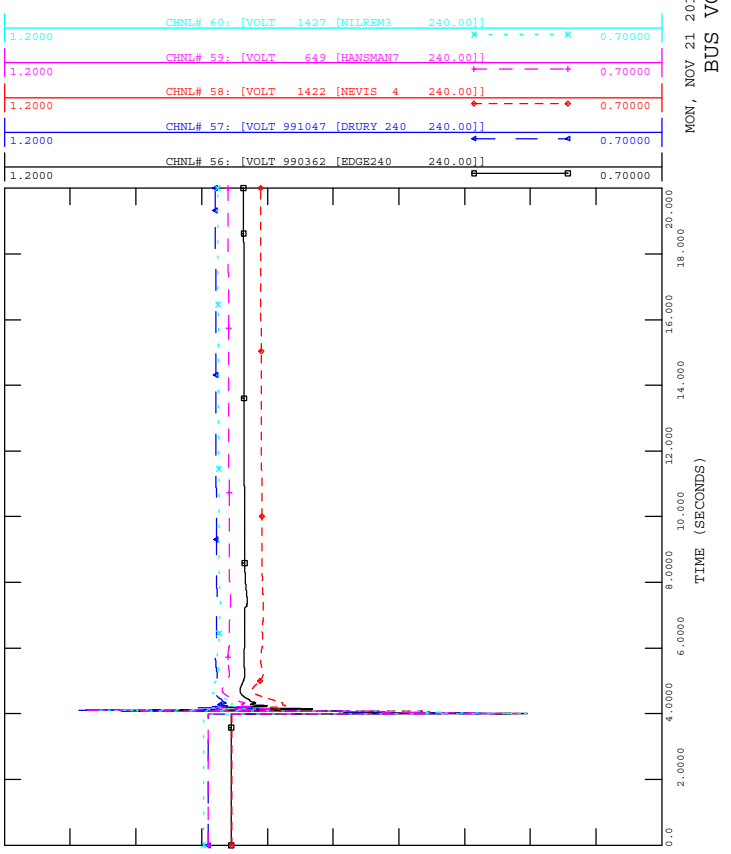

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972

MON, NOV 21 2016 12:55

BUS VOLTAGE

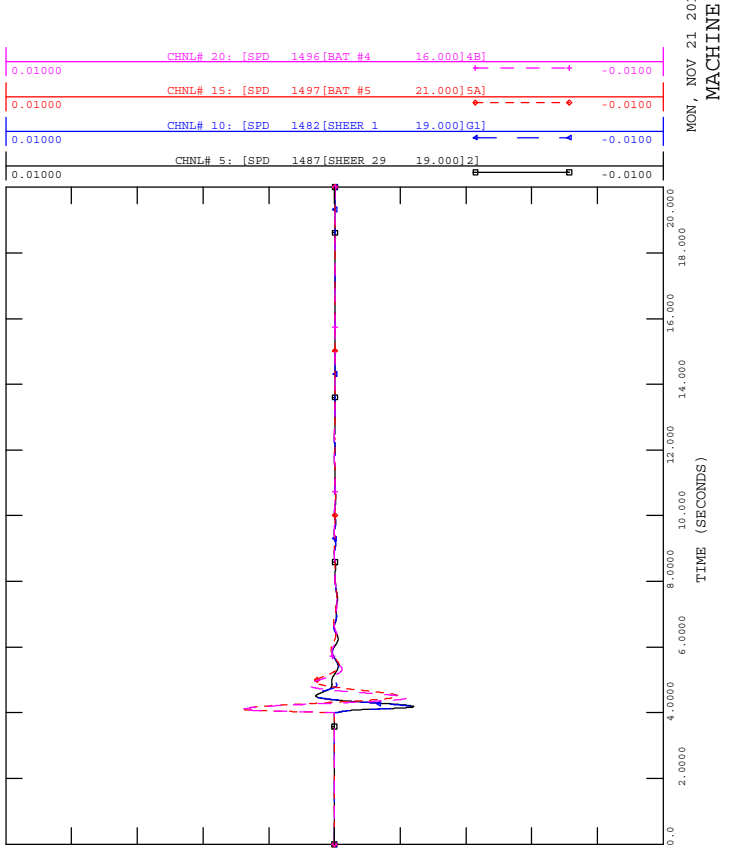


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972

MON, NOV 21 2016 12:55

MACHINE SPEED

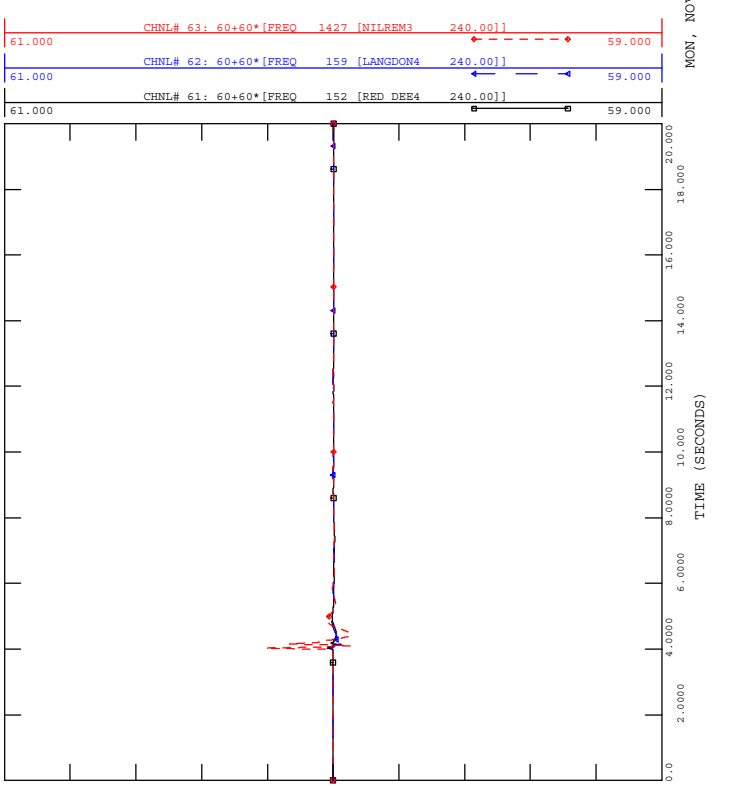


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972

MON, NOV 21 2016 12:55

FREQUENCY

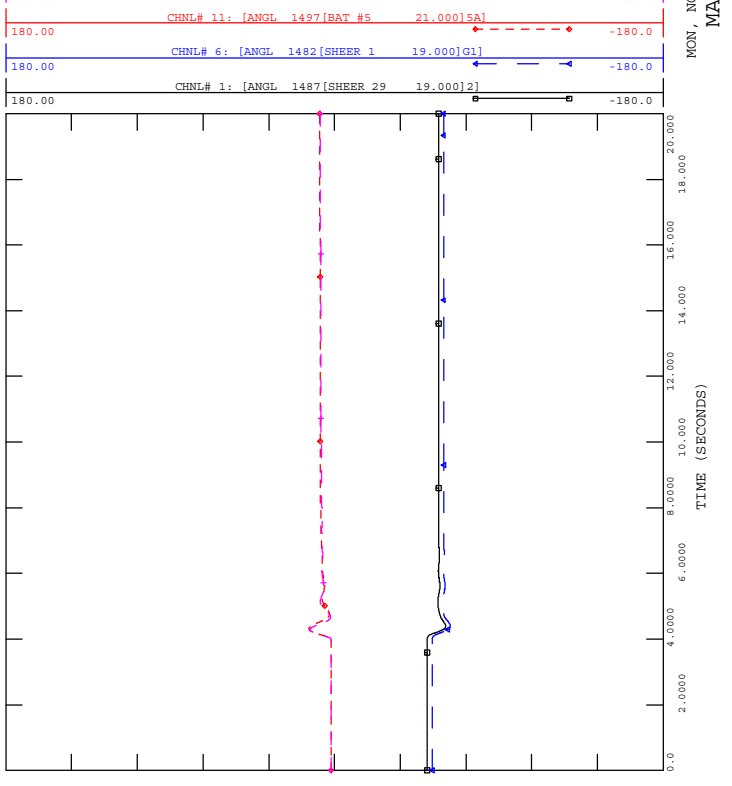


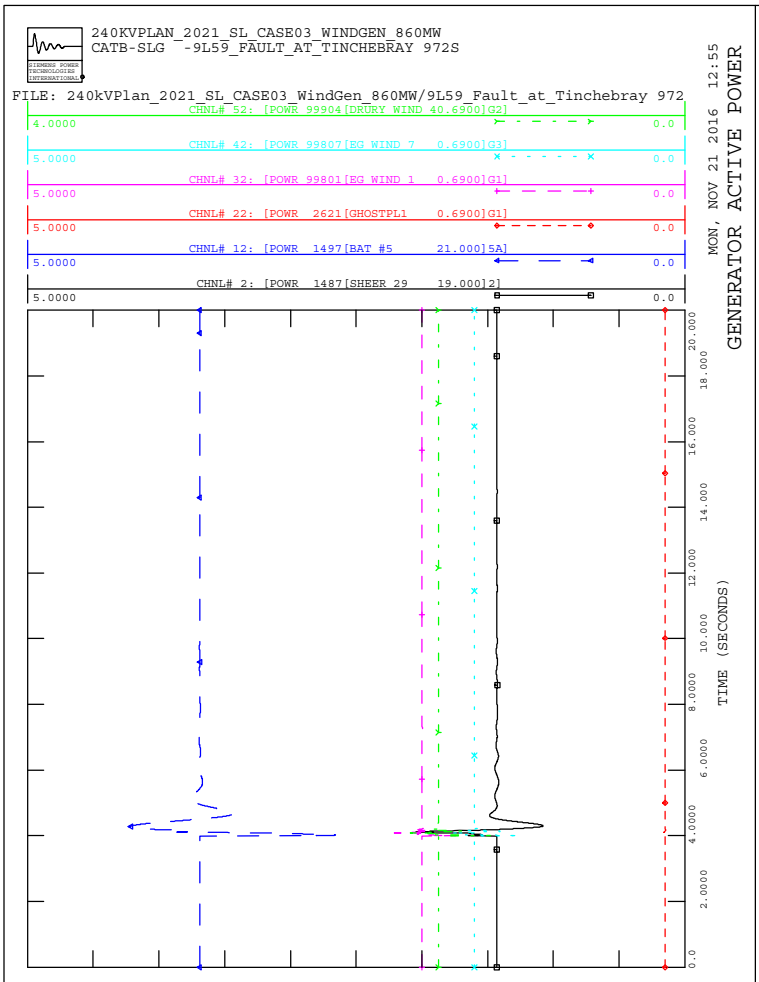
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

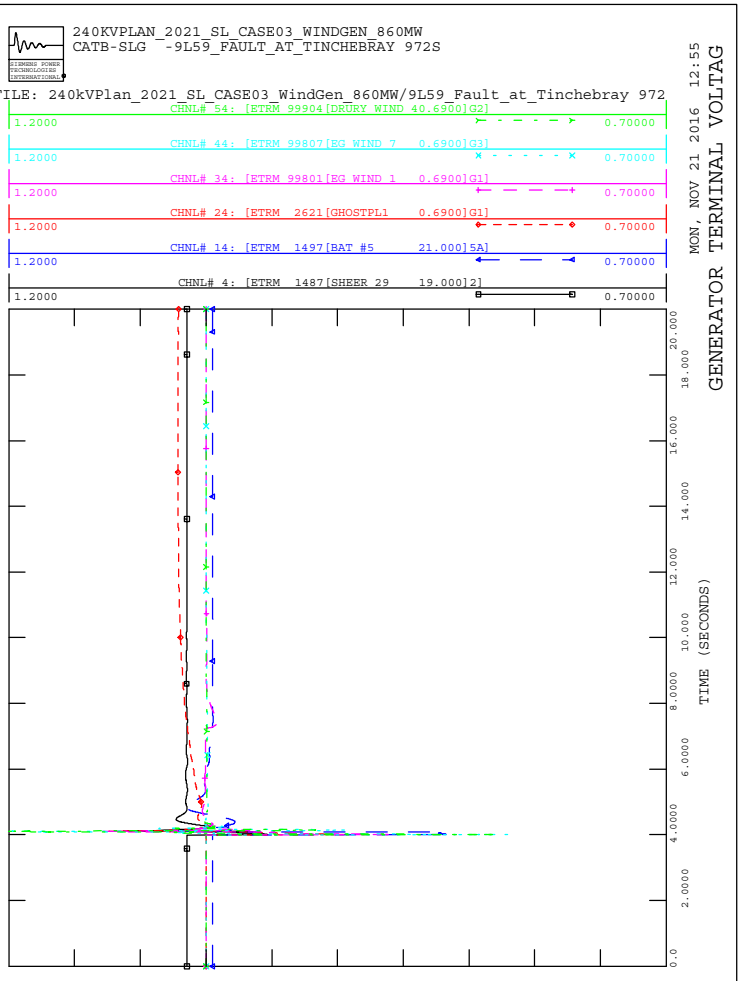
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972

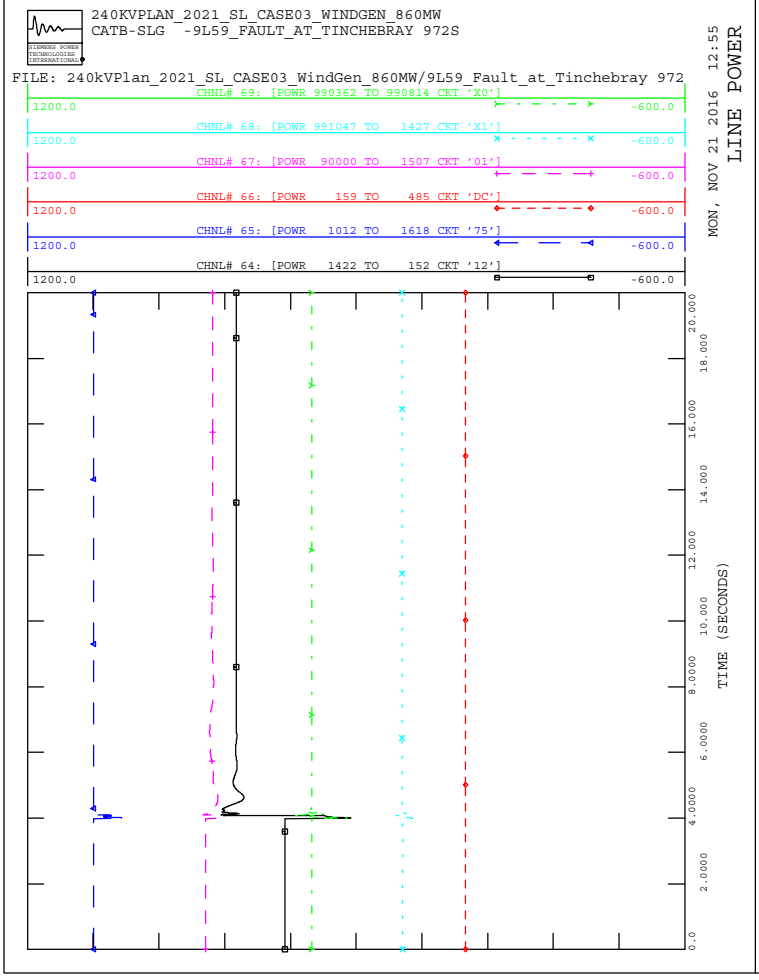
MON, NOV 21 2016 12:55

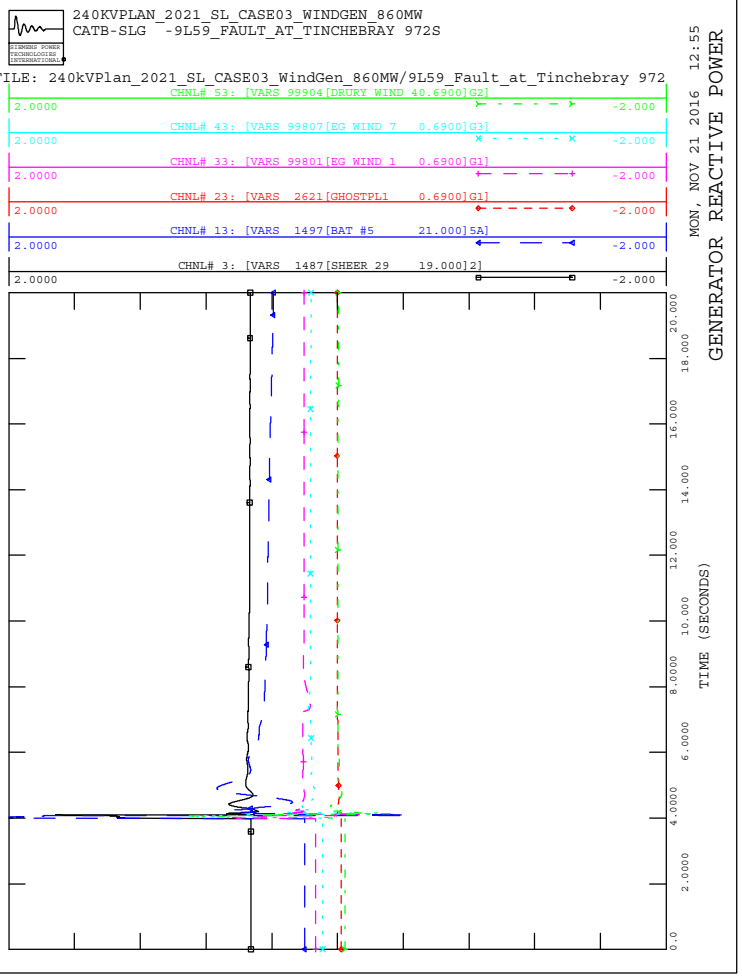
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

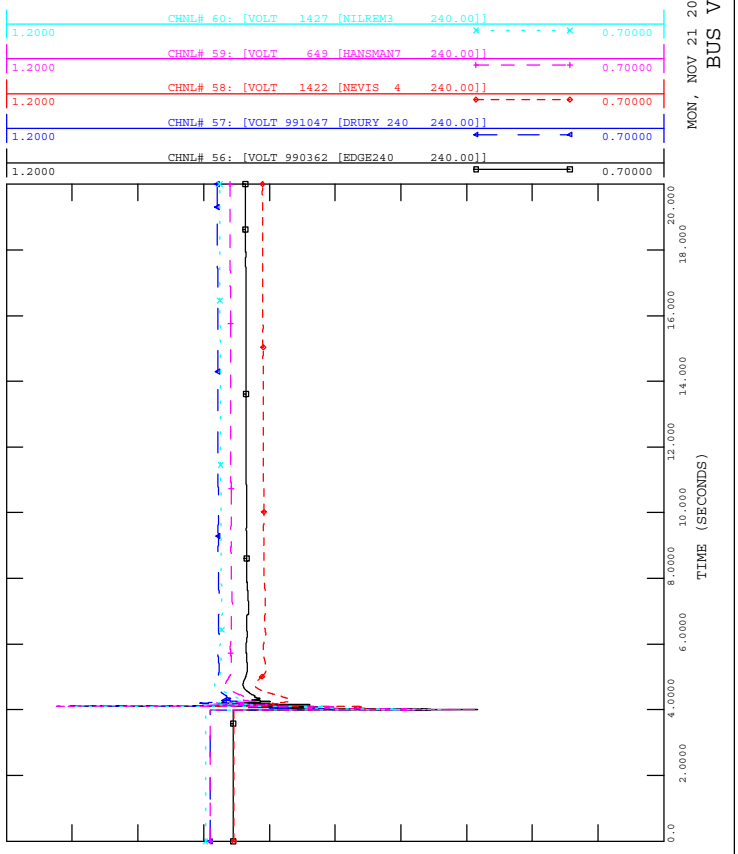

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:55

BUS VOLTAGE

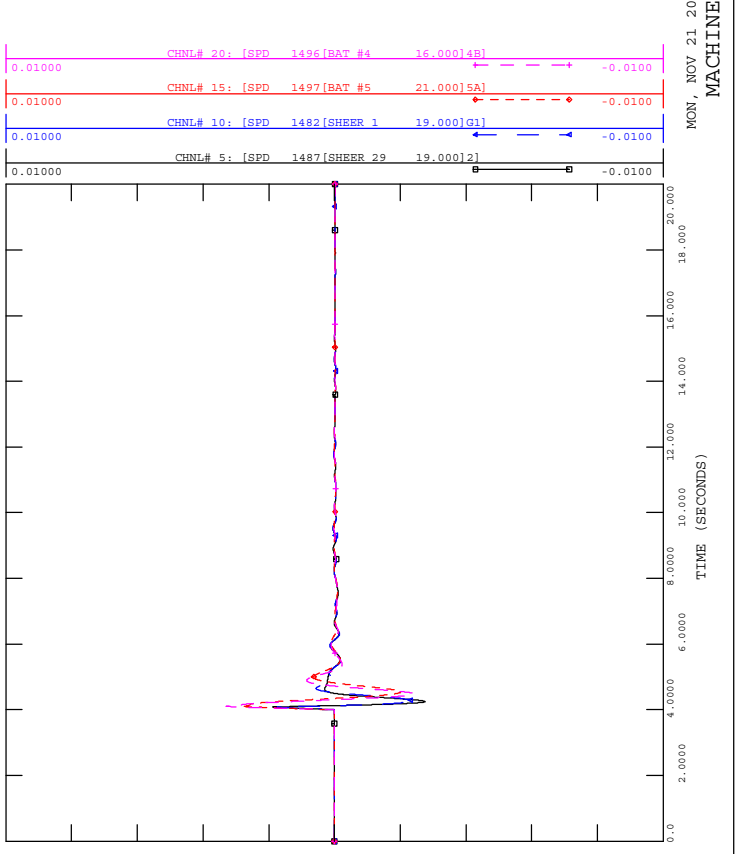


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:55

MACHINE SPEED

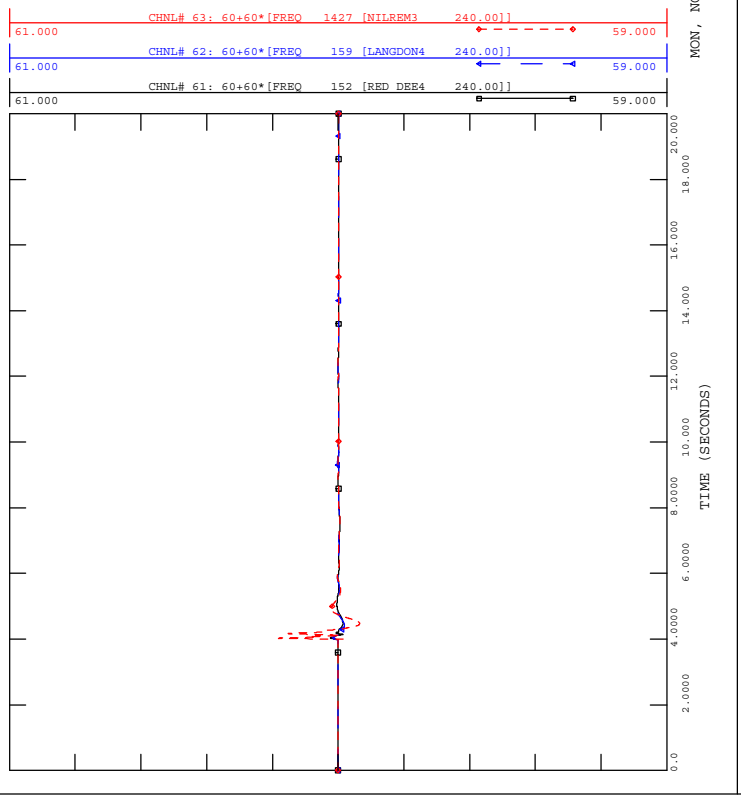


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:55

FREQUENCY

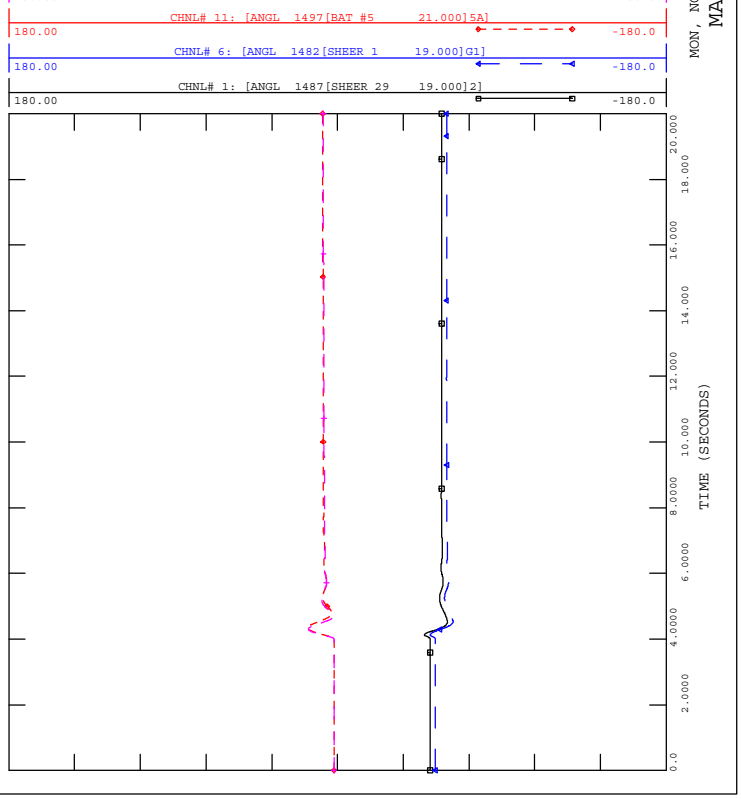


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.

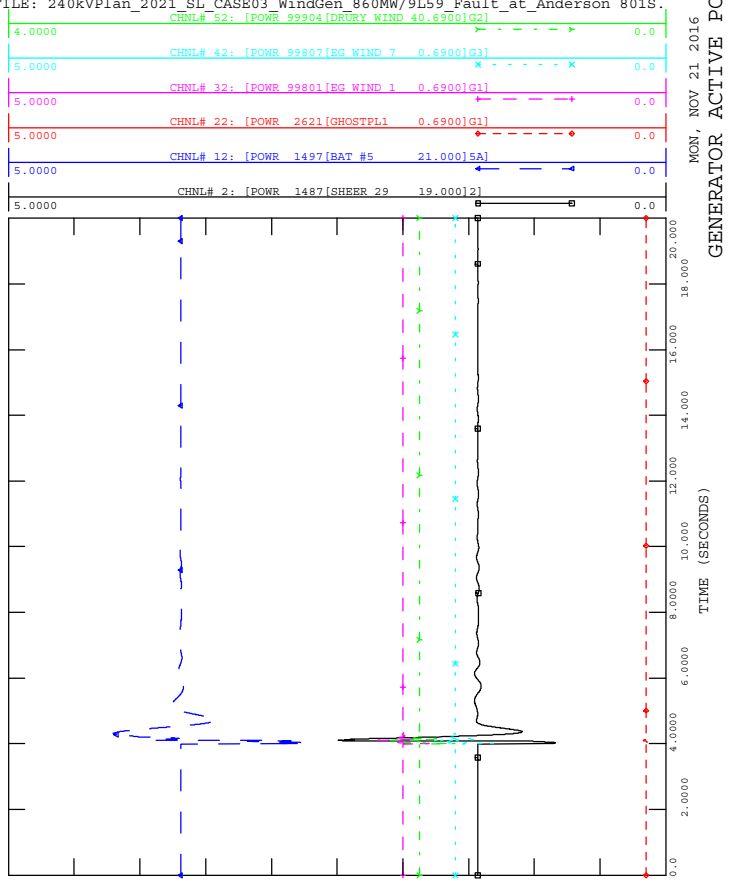
MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

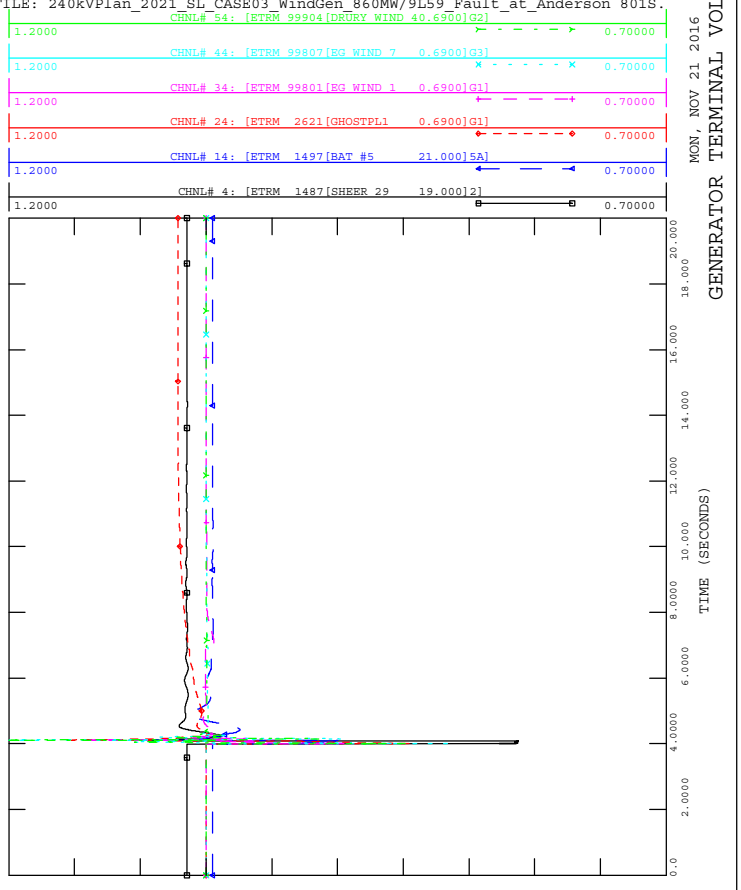
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.



MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

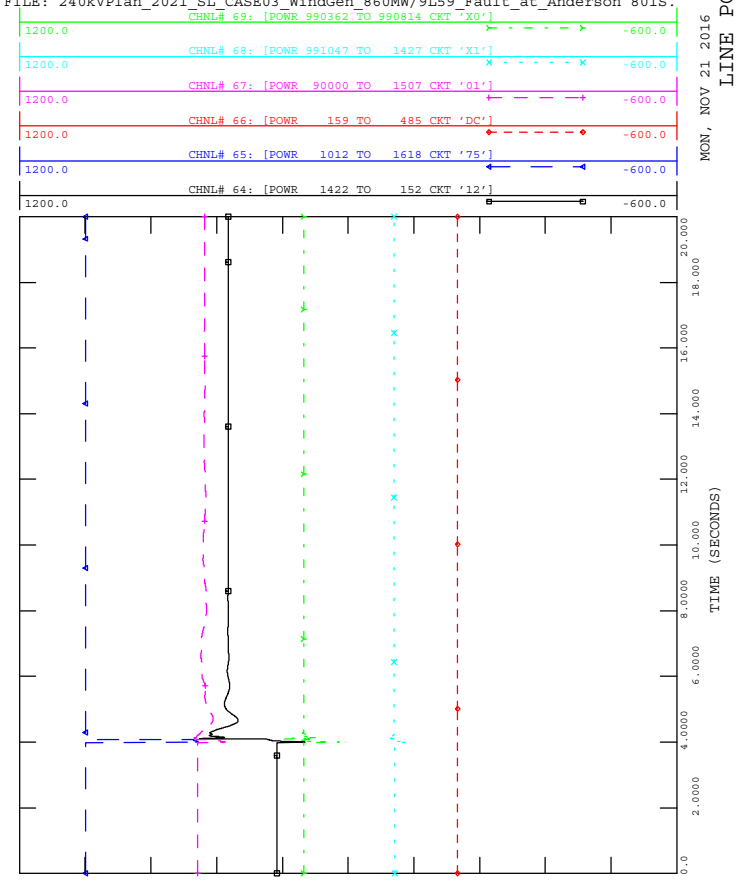
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.



MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

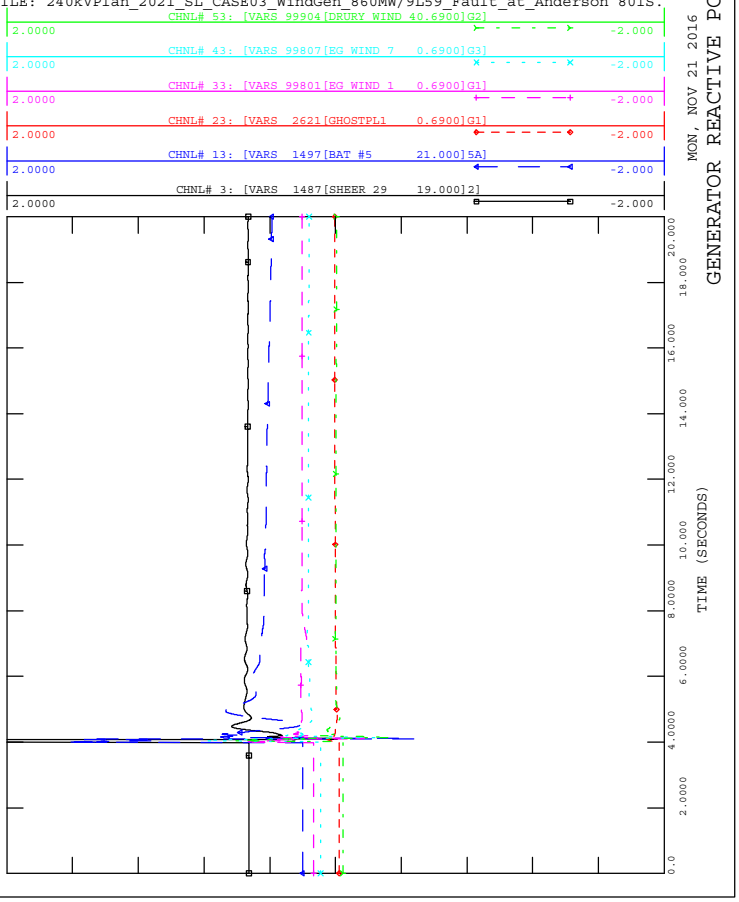
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.



MON, NOV 21 2016 12:55
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L59_Fault_at_Anderson 801S.



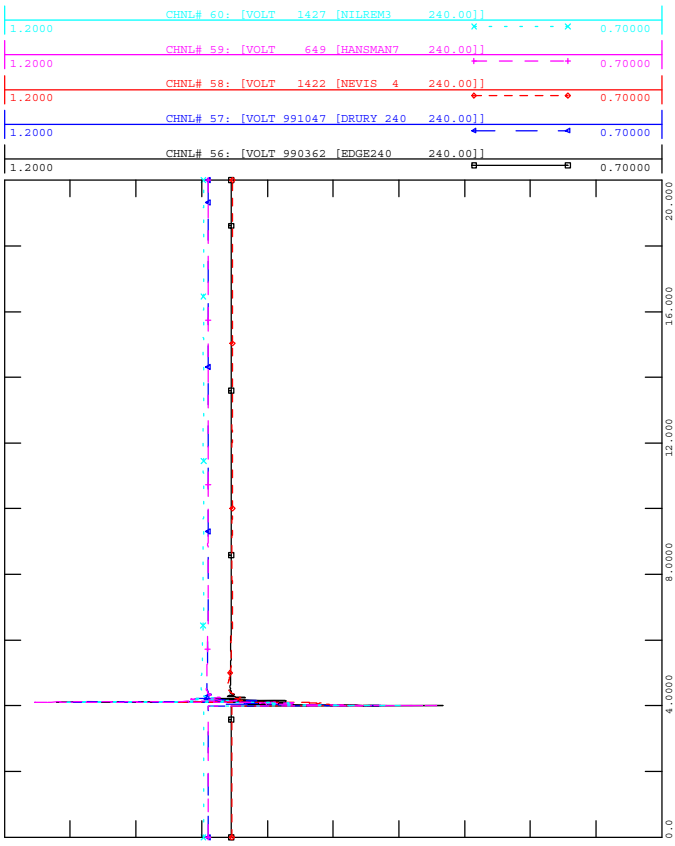
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

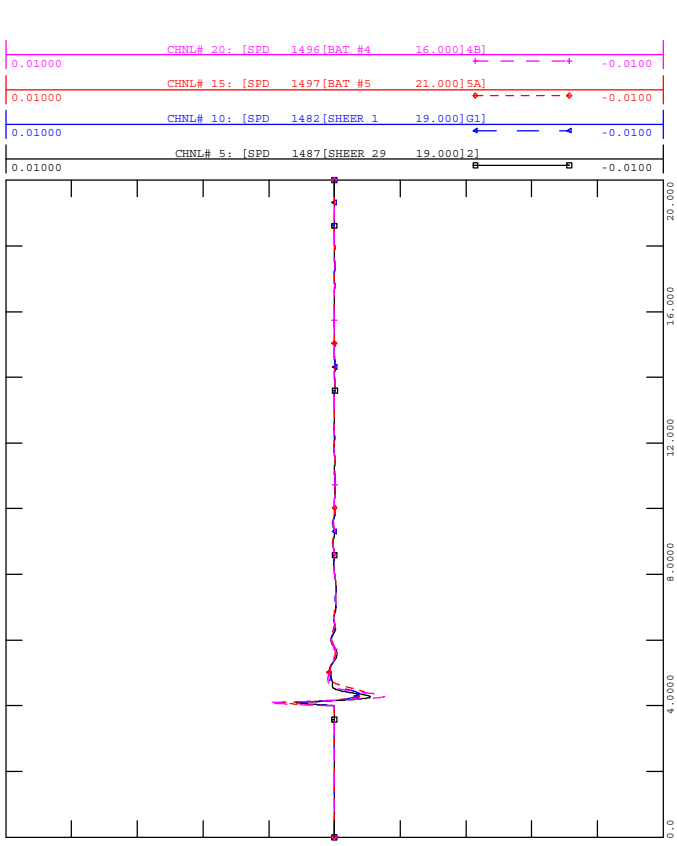


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

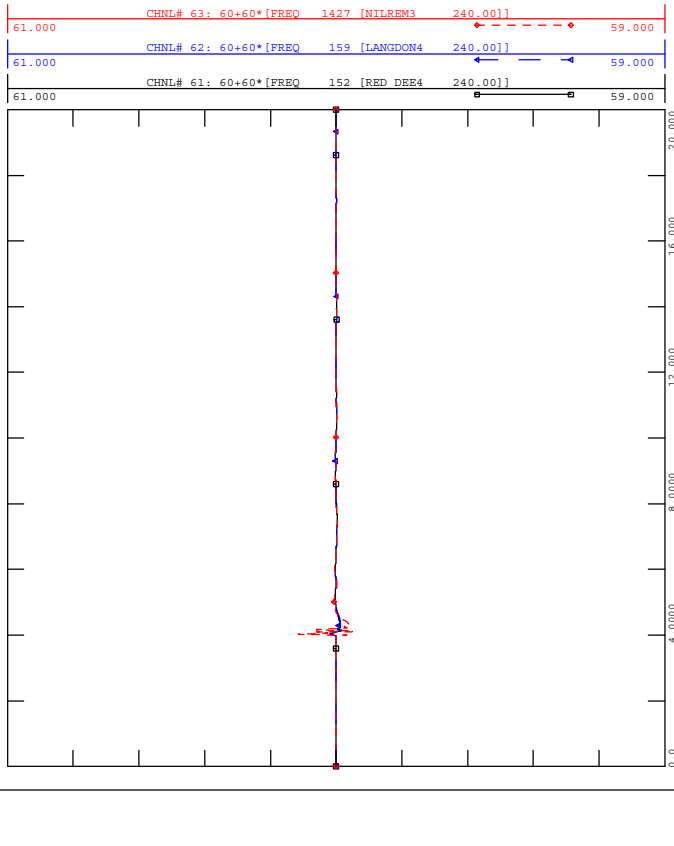


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:55

FREQUENCY

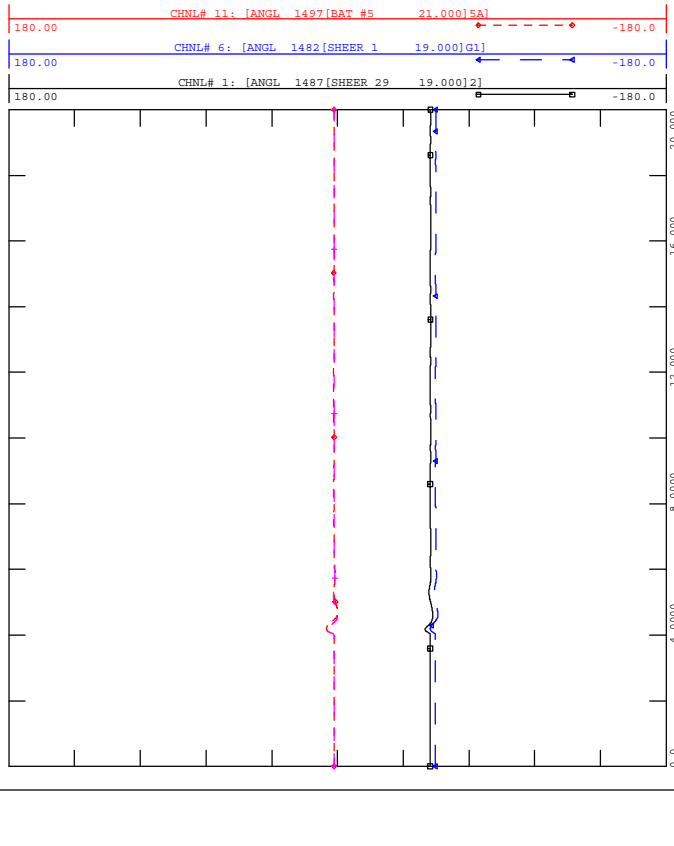


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

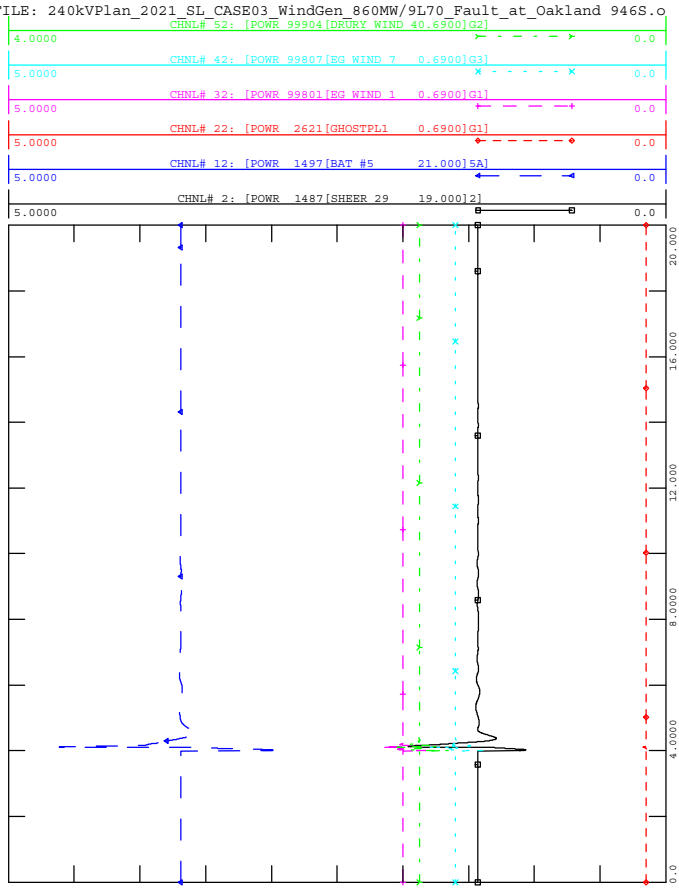
MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

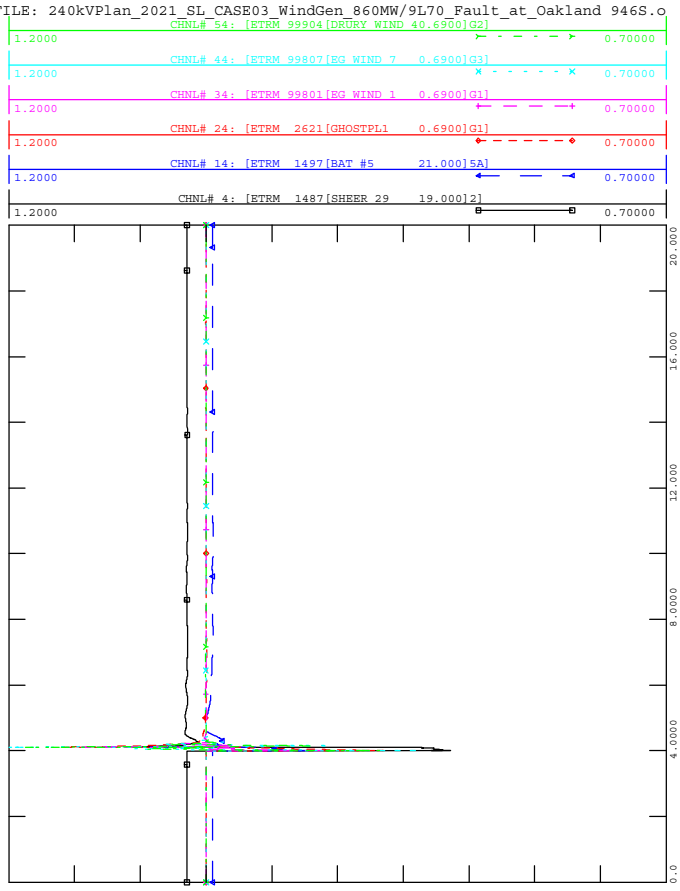


MON, NOV 21 2016 12:55

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

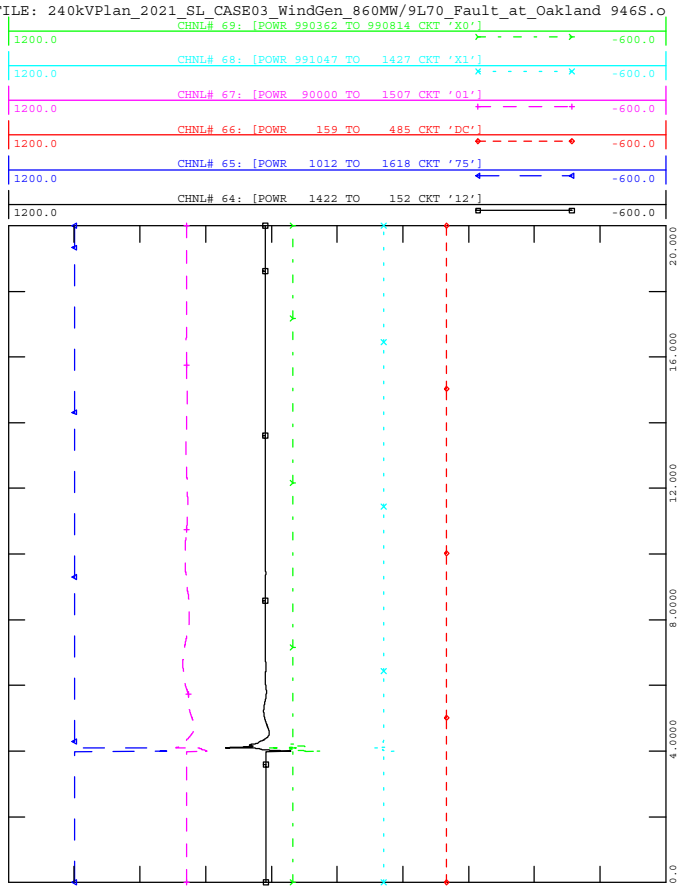


MON, NOV 21 2016 12:55

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

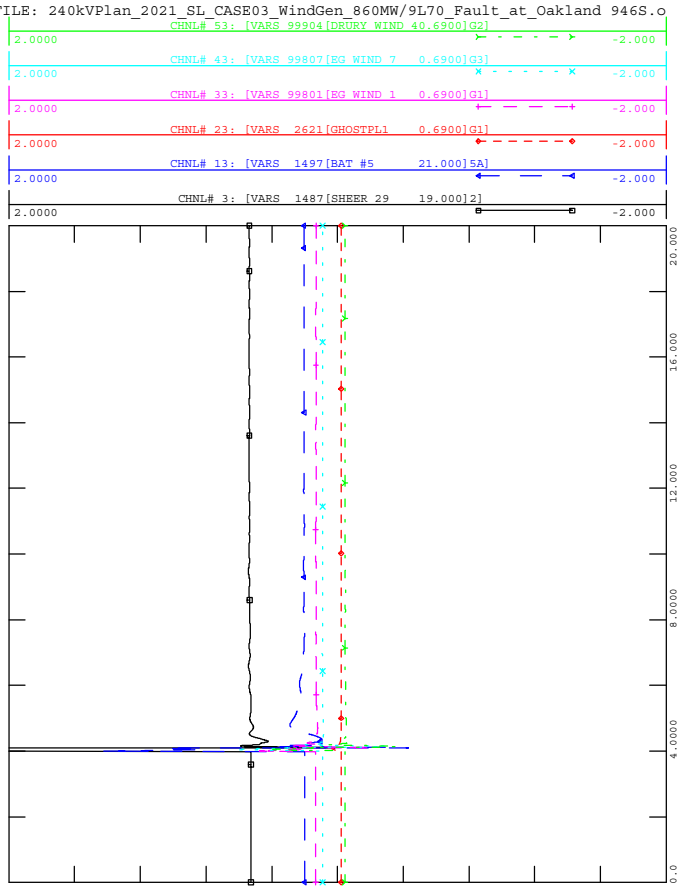


MON, NOV 21 2016 12:55

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Oakland 946S.o



MON, NOV 21 2016 12:55

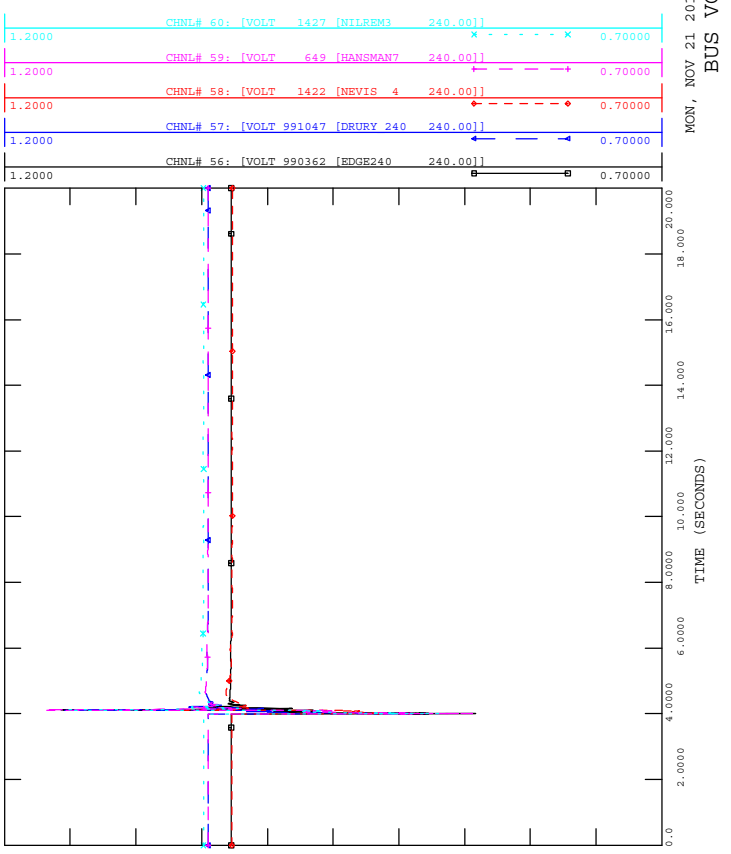
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:55

BUS VOLTAGE

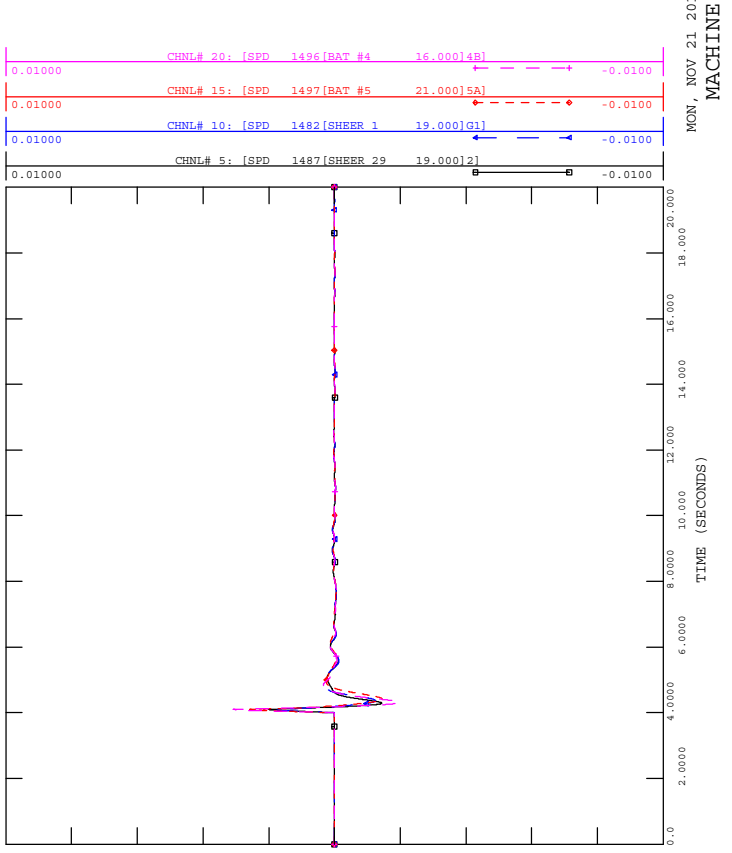


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:55

MACHINE SPEED

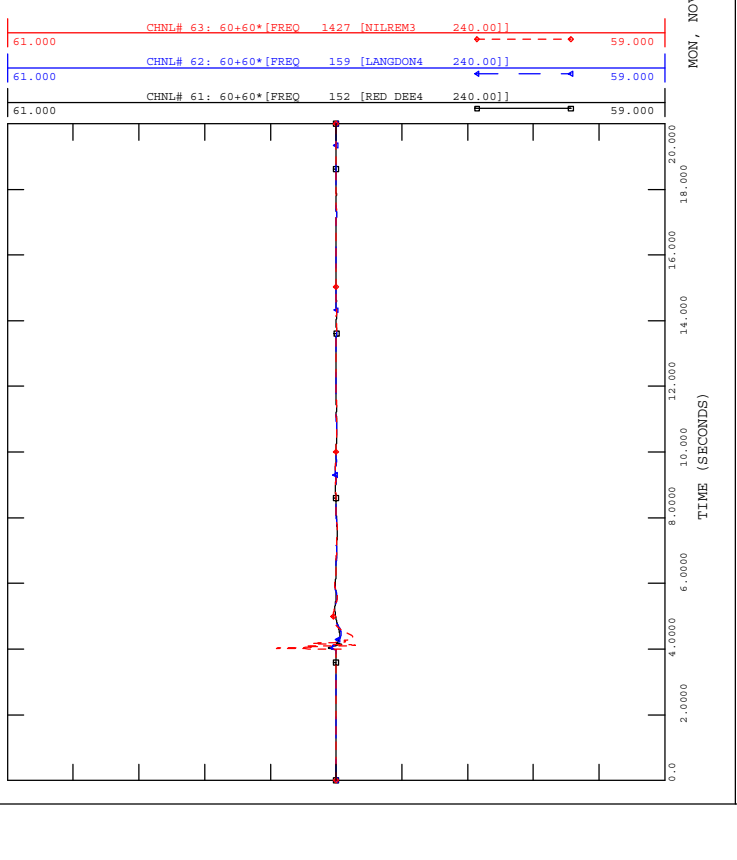


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:55

FREQUENCY

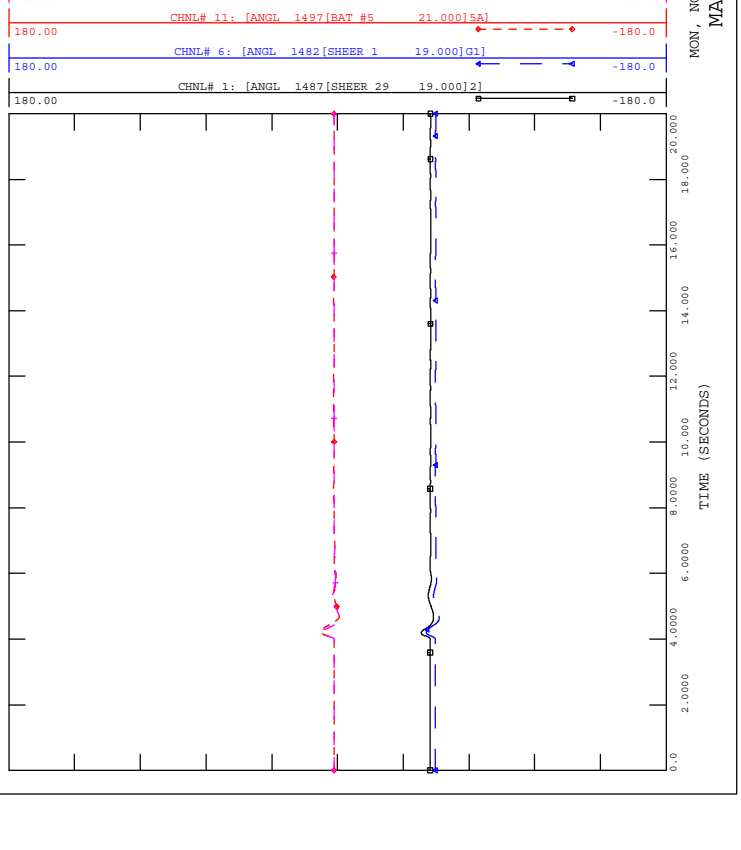


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

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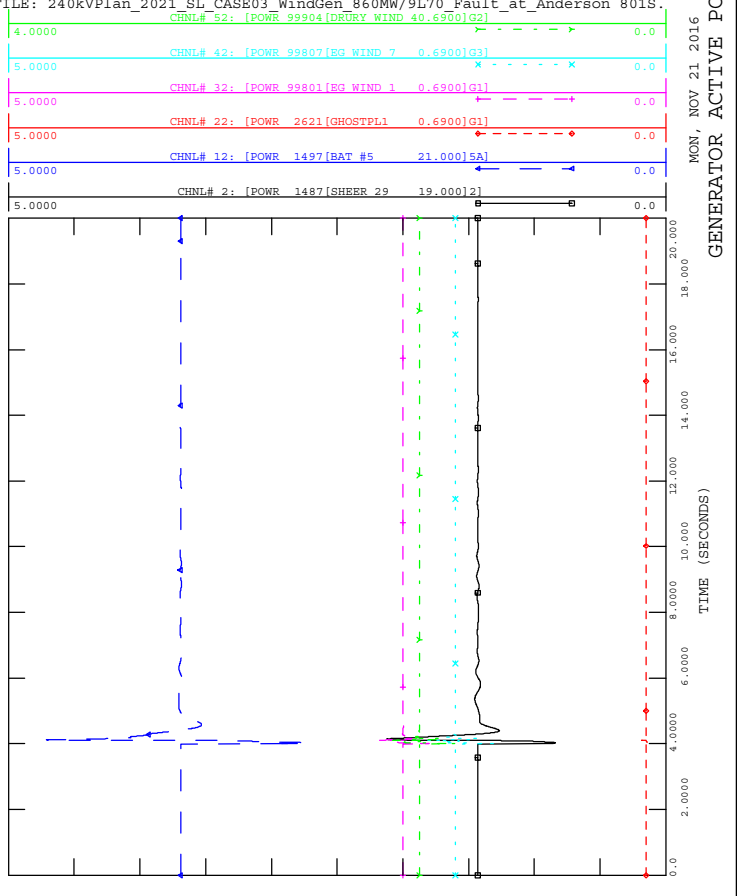
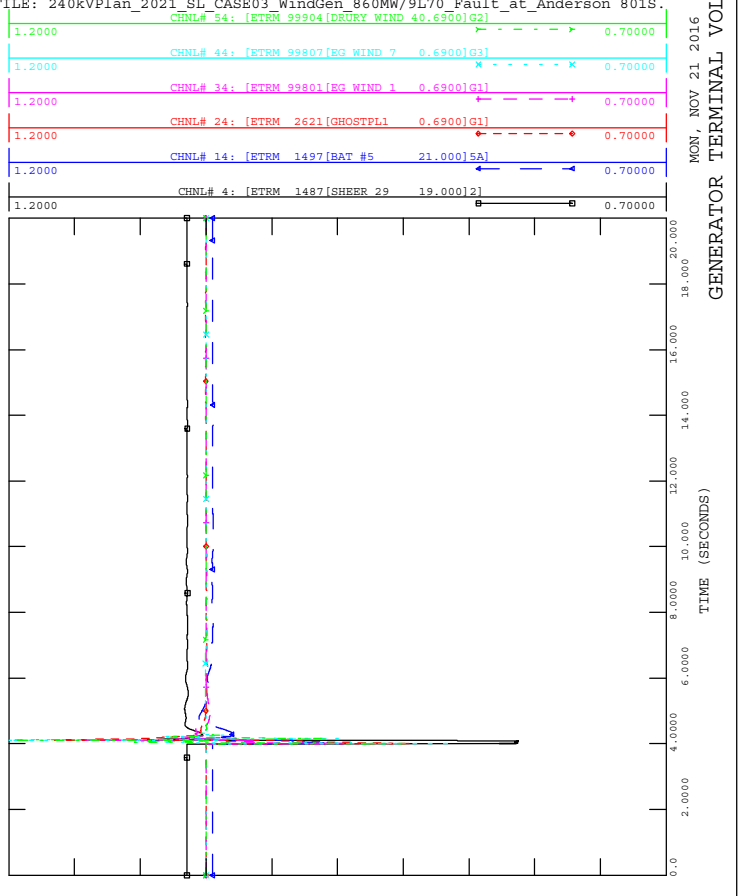


MON, NOV 21 2016 12:55

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.

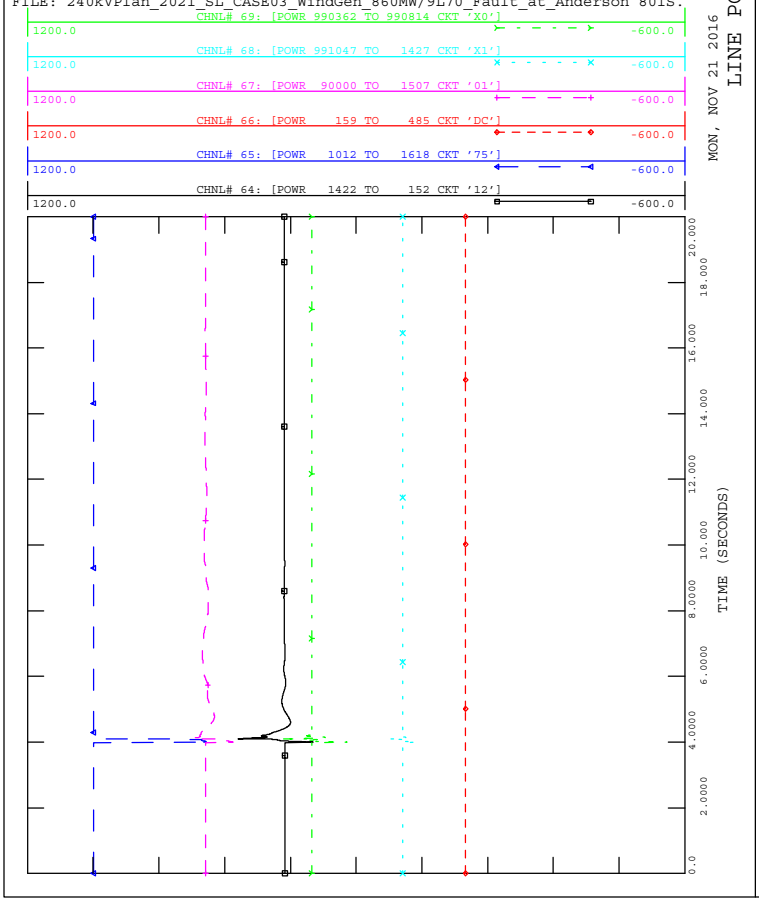


MON, NOV 21 2016 12:55

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.

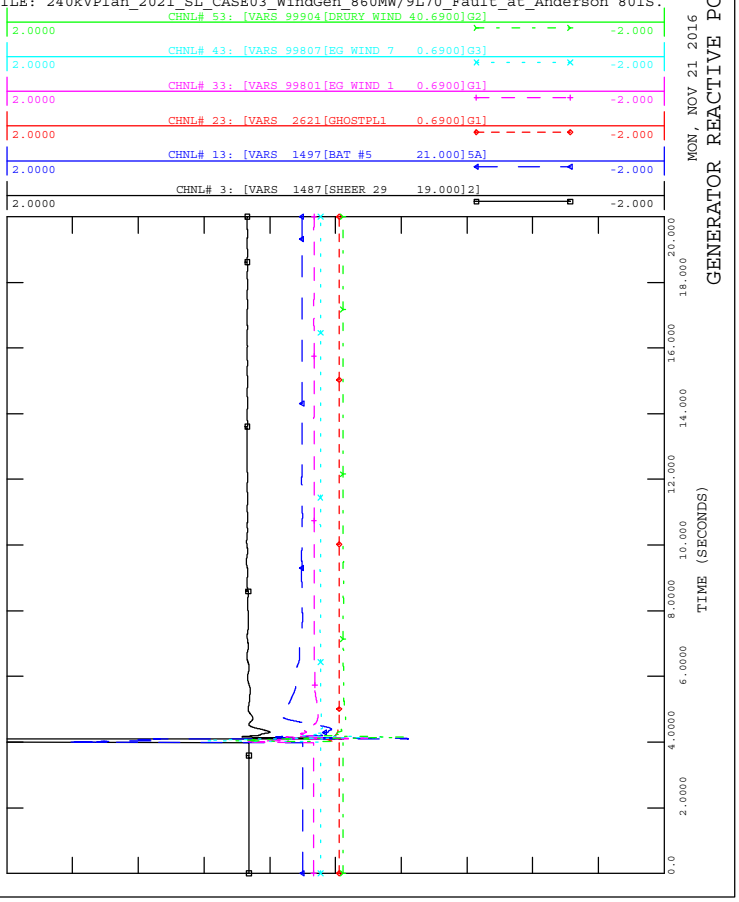


MON, NOV 21 2016 12:55

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70_Fault_at_Anderson 801S.



MON, NOV 21 2016 12:55

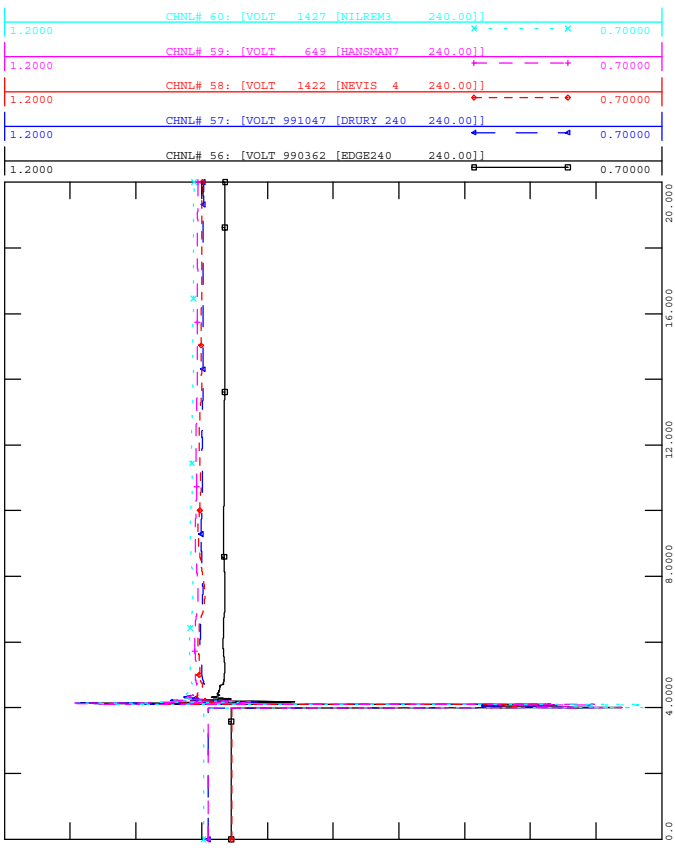
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7

MON, NOV 21 2016 12:55

BUS VOLTAGE

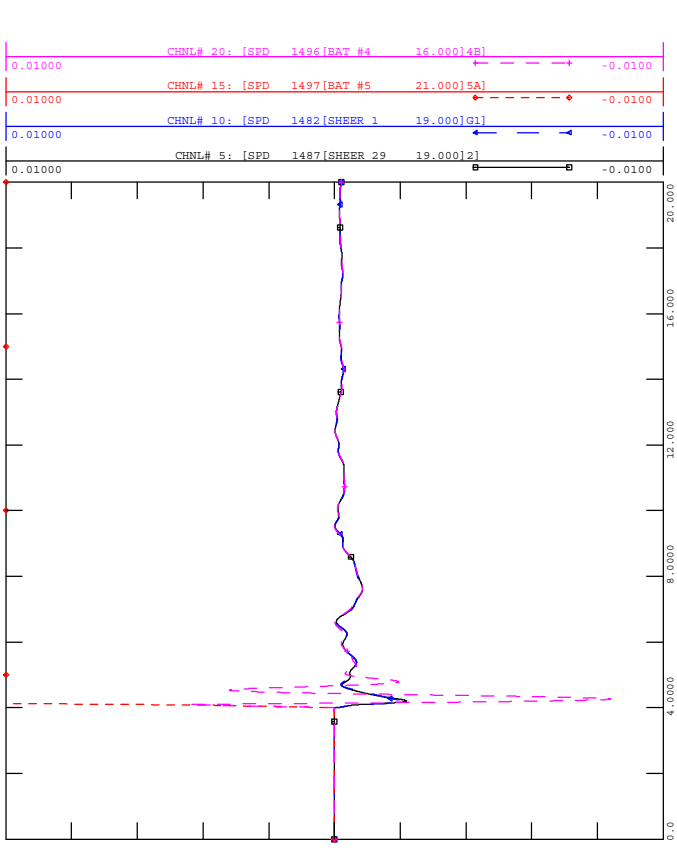


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7

MON, NOV 21 2016 12:55

MACHINE SPEED

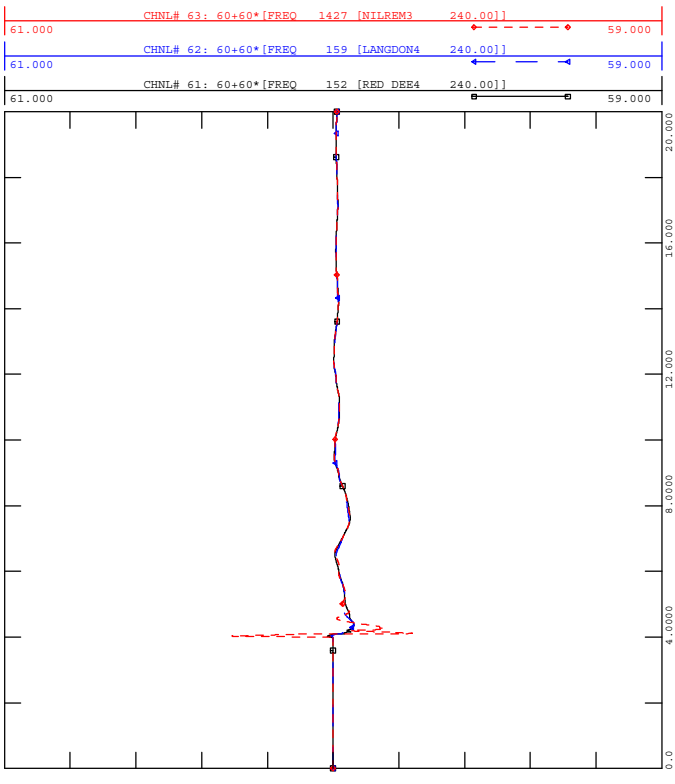


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7

MON, NOV 21 2016 12:55

FREQUENCY

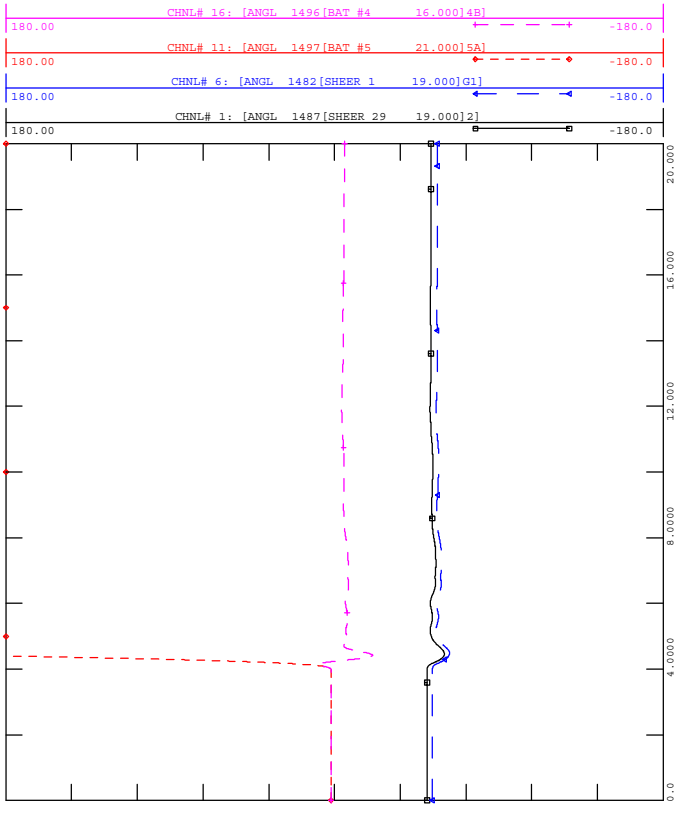


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7

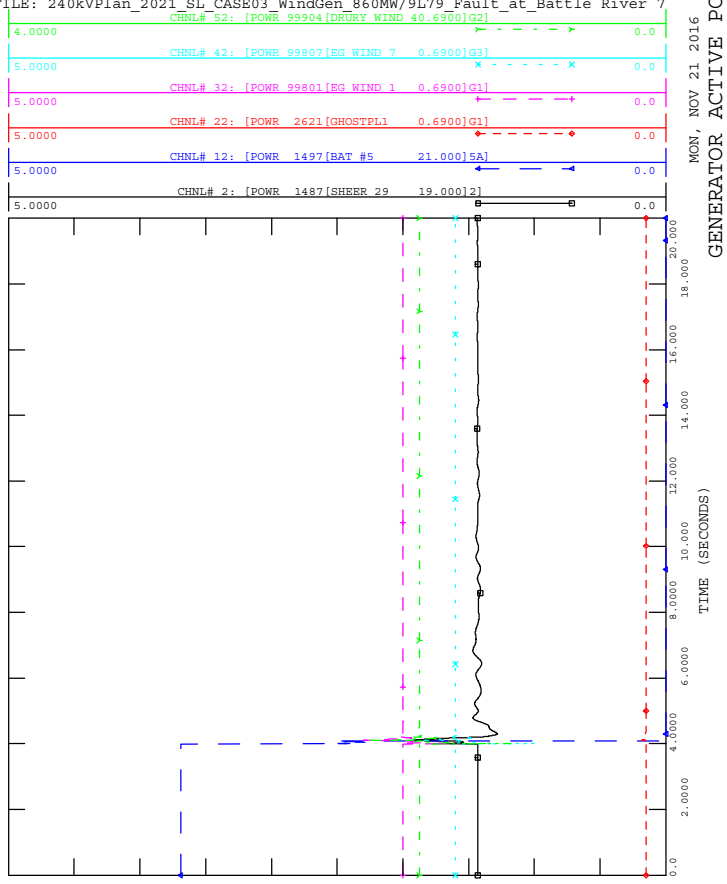
MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

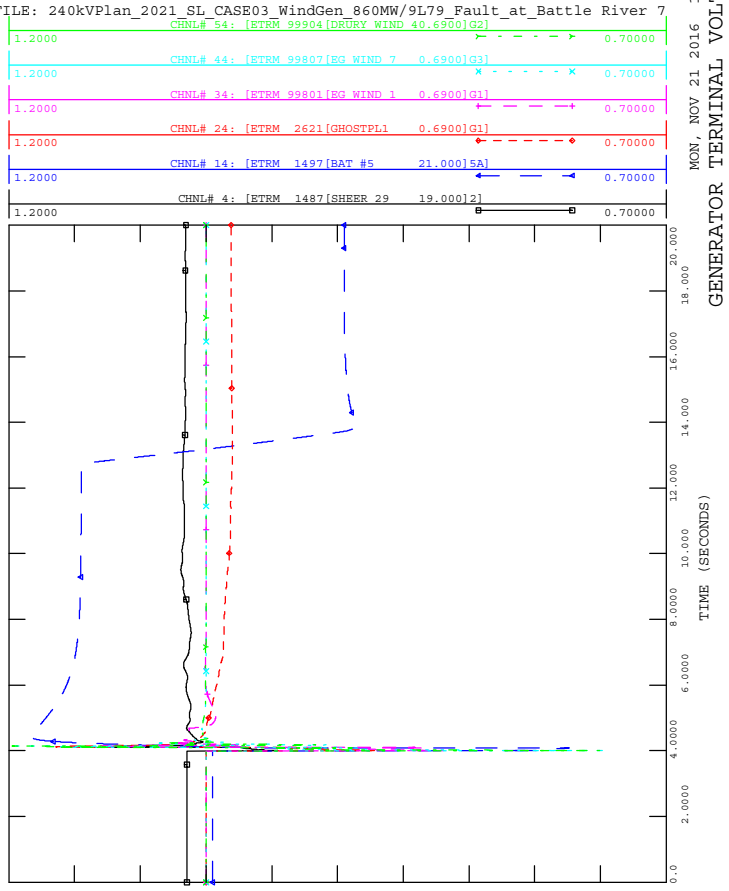
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7



MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

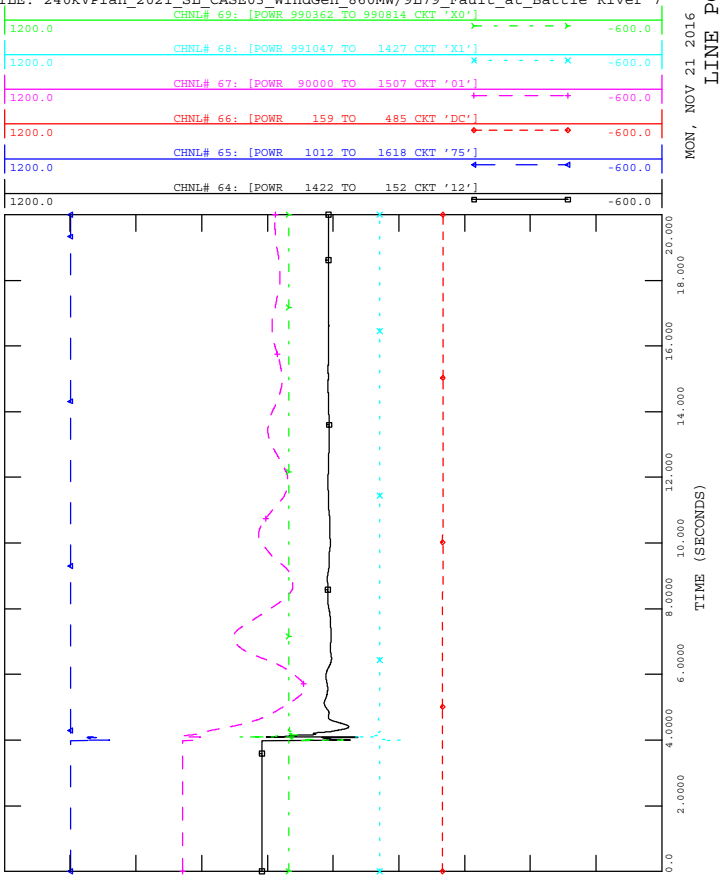
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7



MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

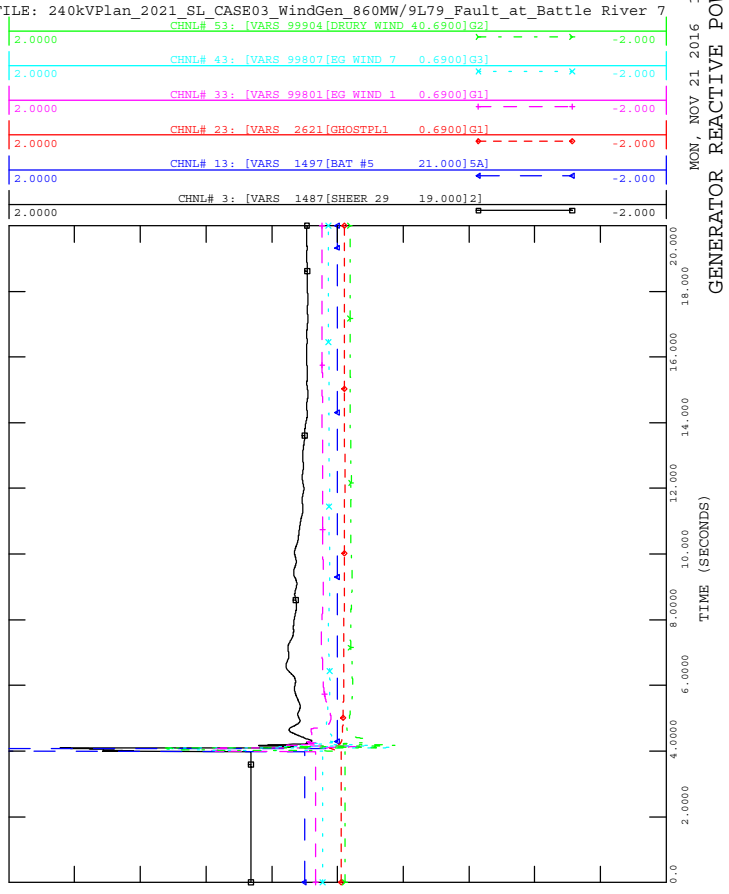
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7



MON, NOV 21 2016 12:55
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Battle River 7



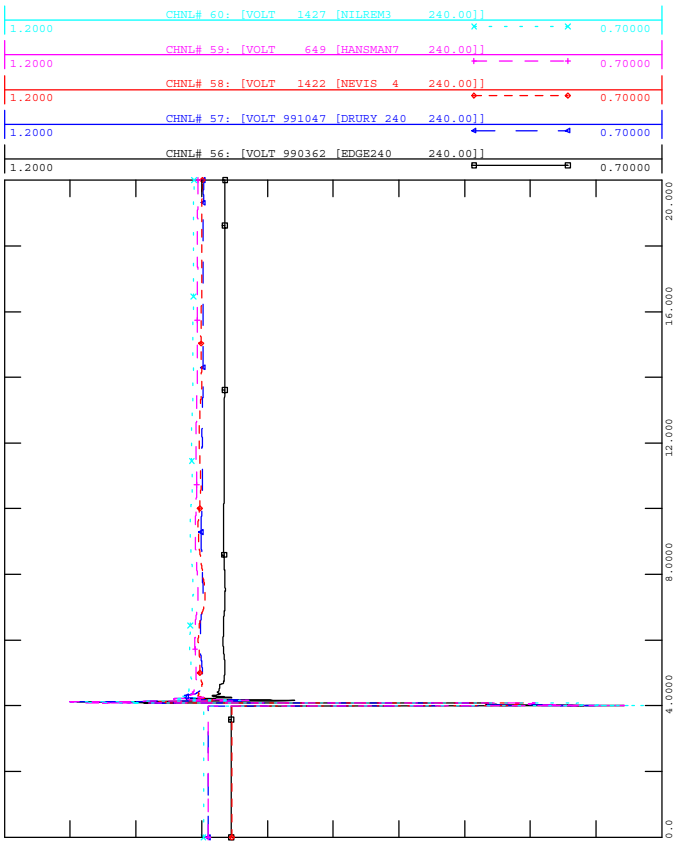
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

BUS VOLTAGE

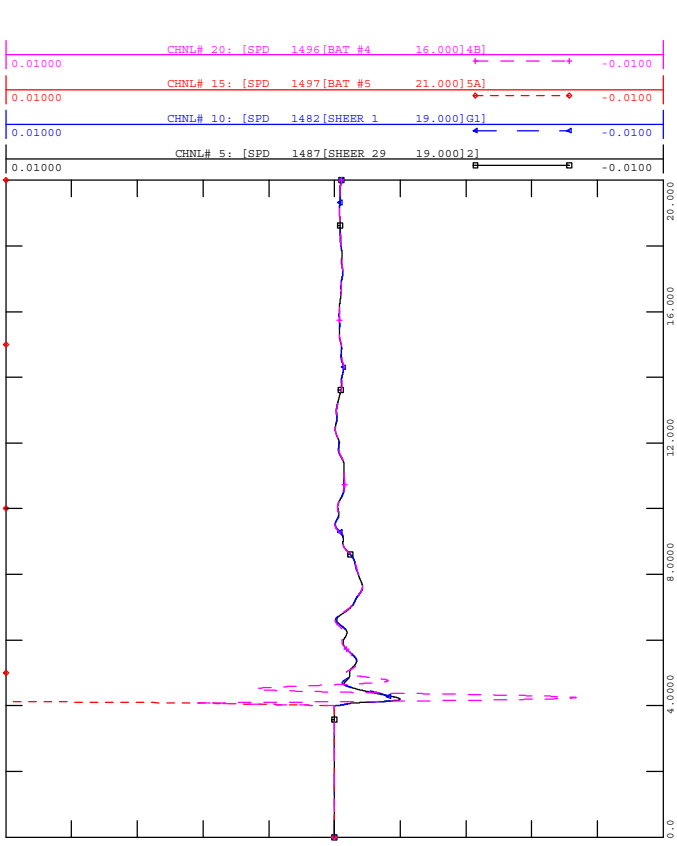


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

MACHINE SPEED

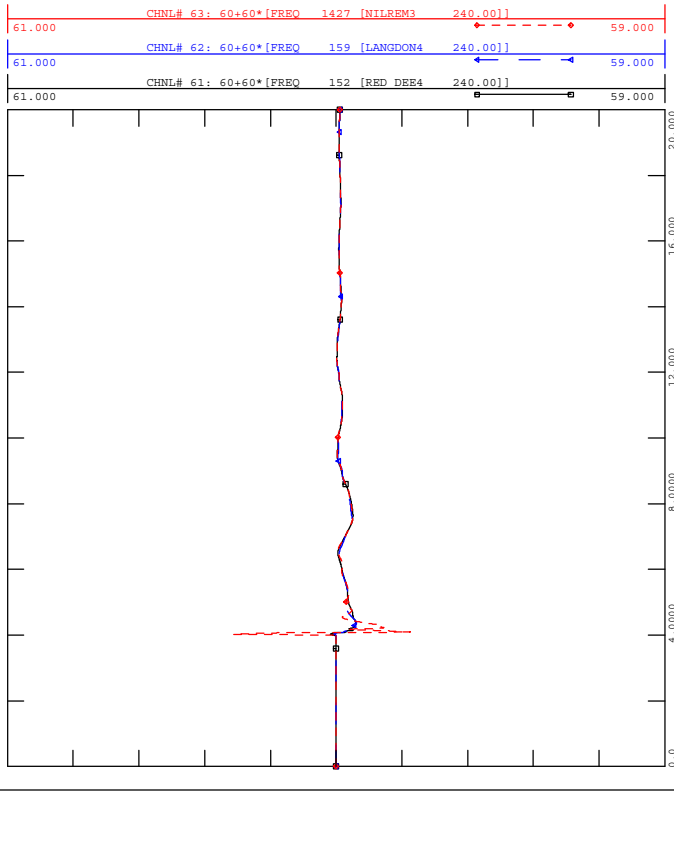


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

FREQUENCY

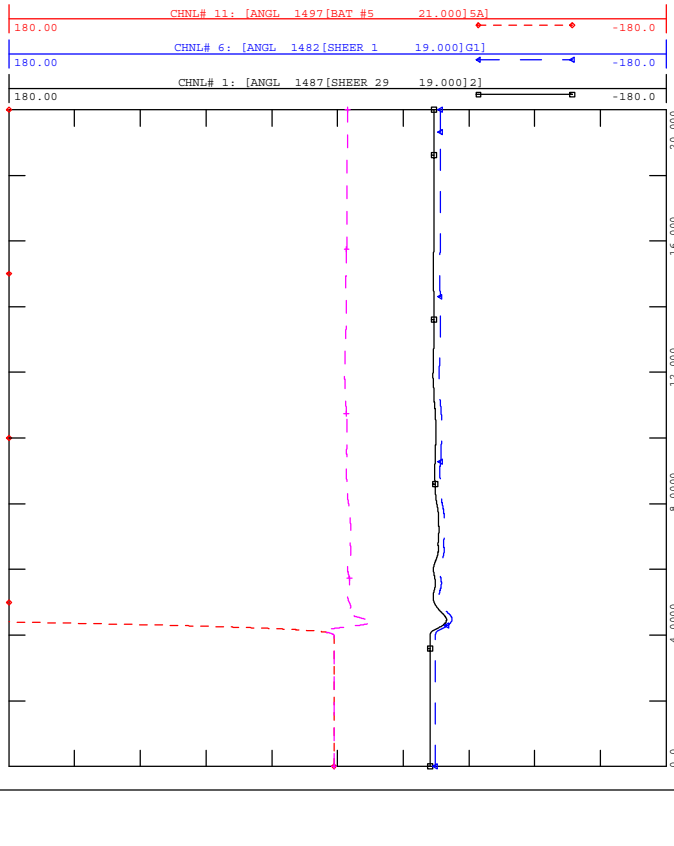


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

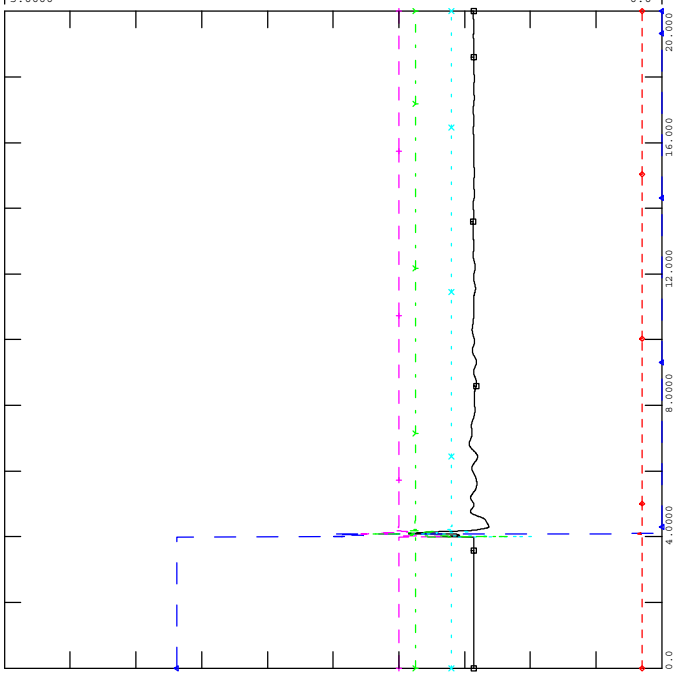
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

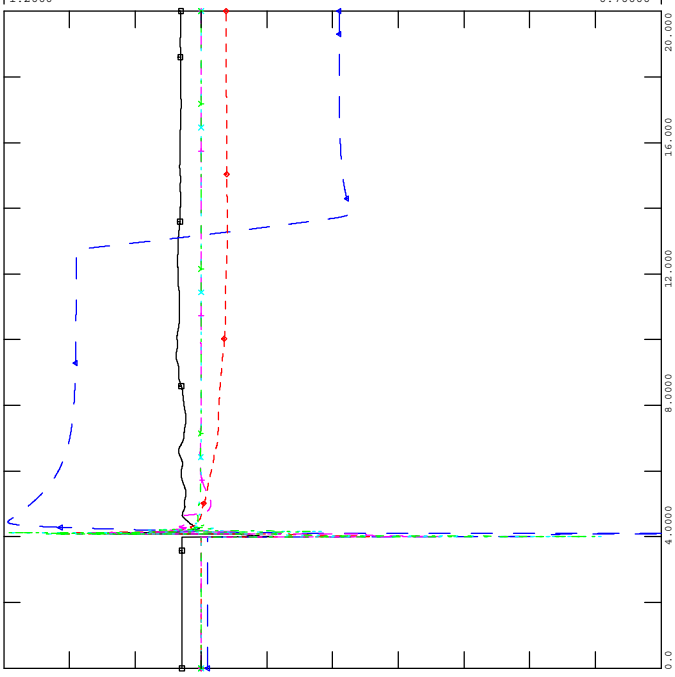
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

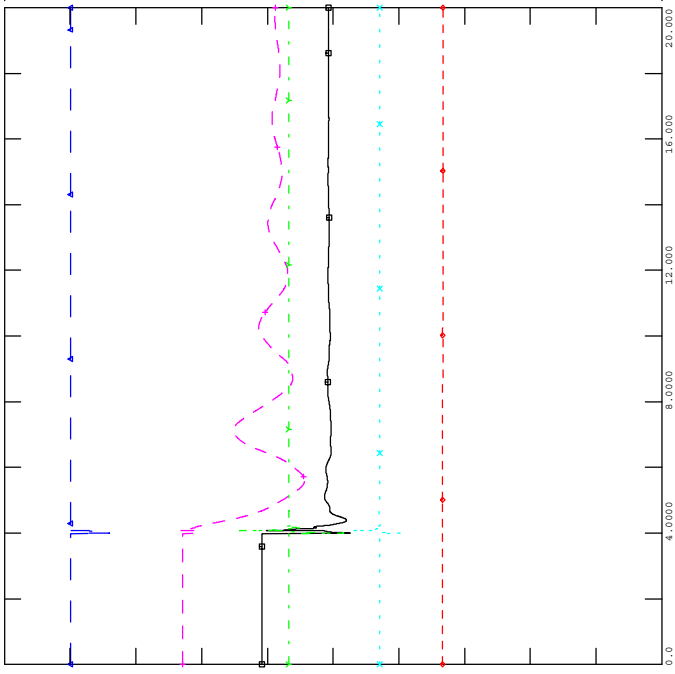
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

TIME (SECONDS)



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

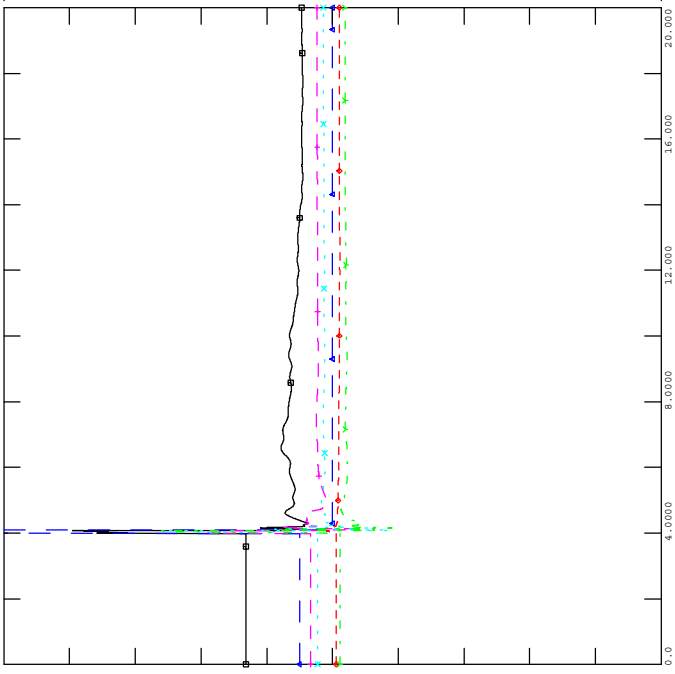
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

TIME (SECONDS)

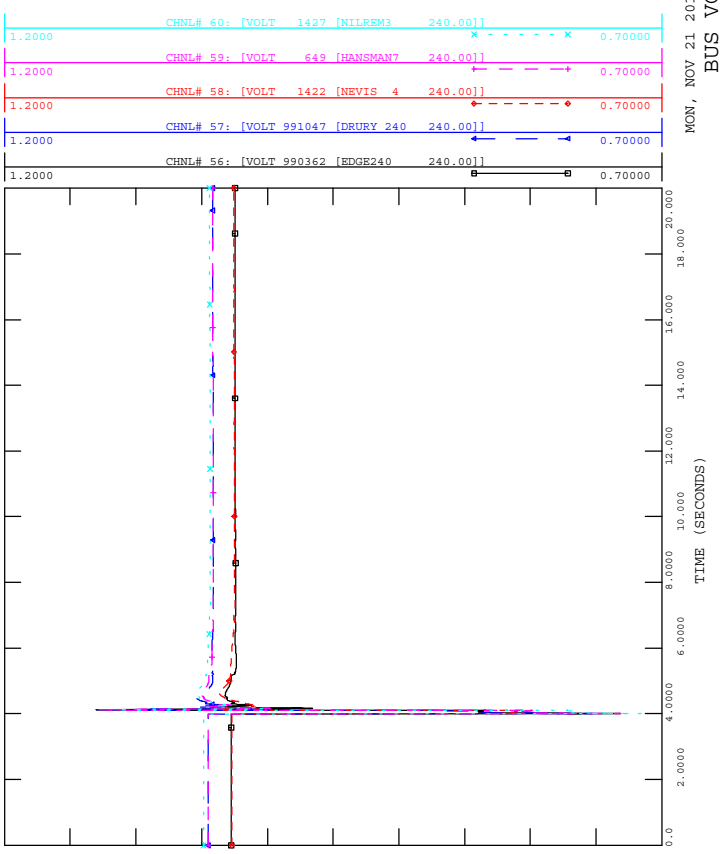


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 12:55

BUS VOLTAGE

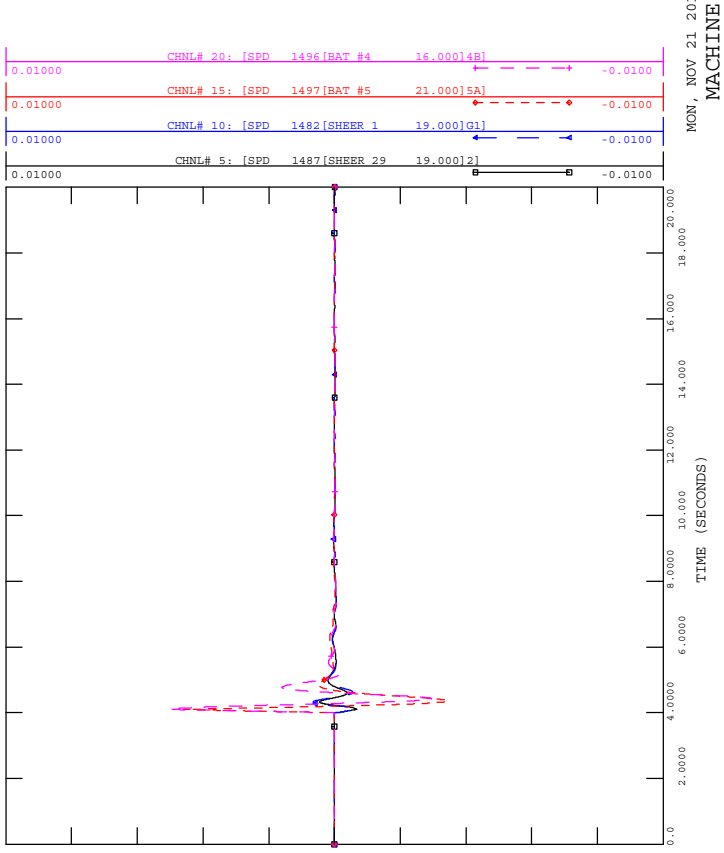


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 12:55

MACHINE SPEED

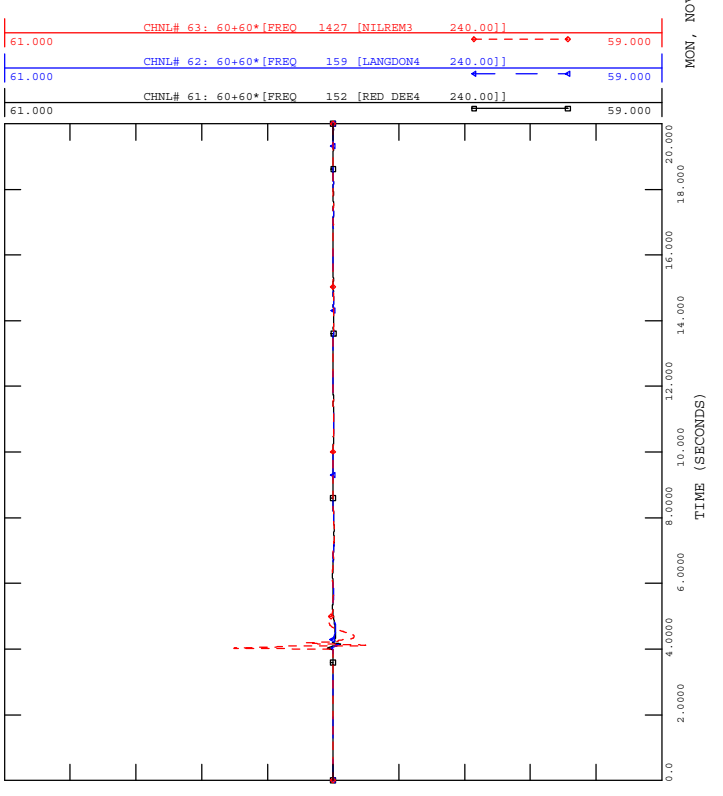


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 12:55

FREQUENCY

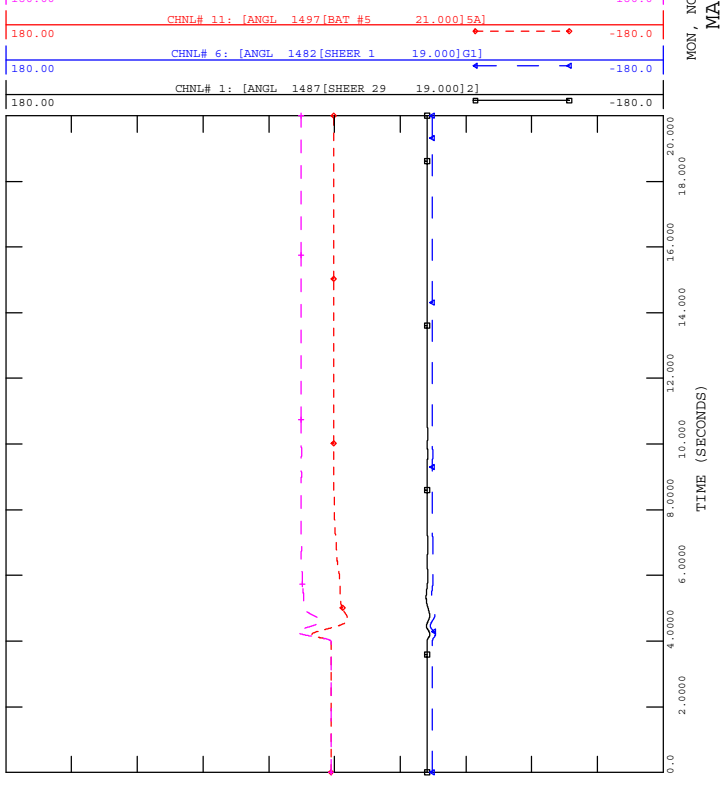


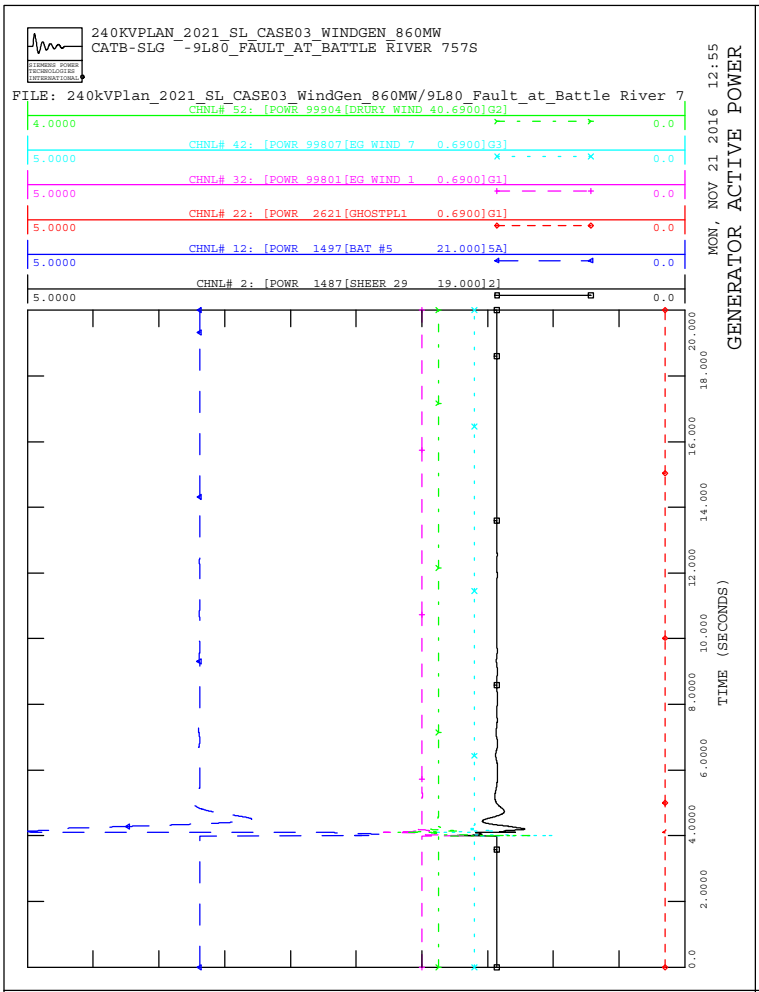
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

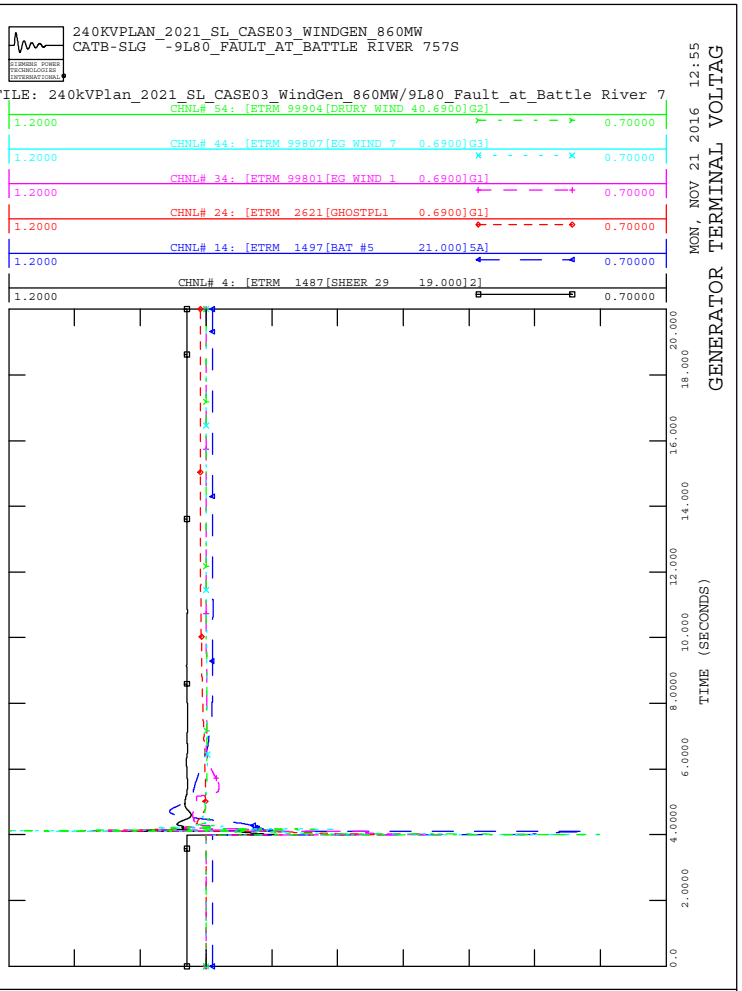
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7

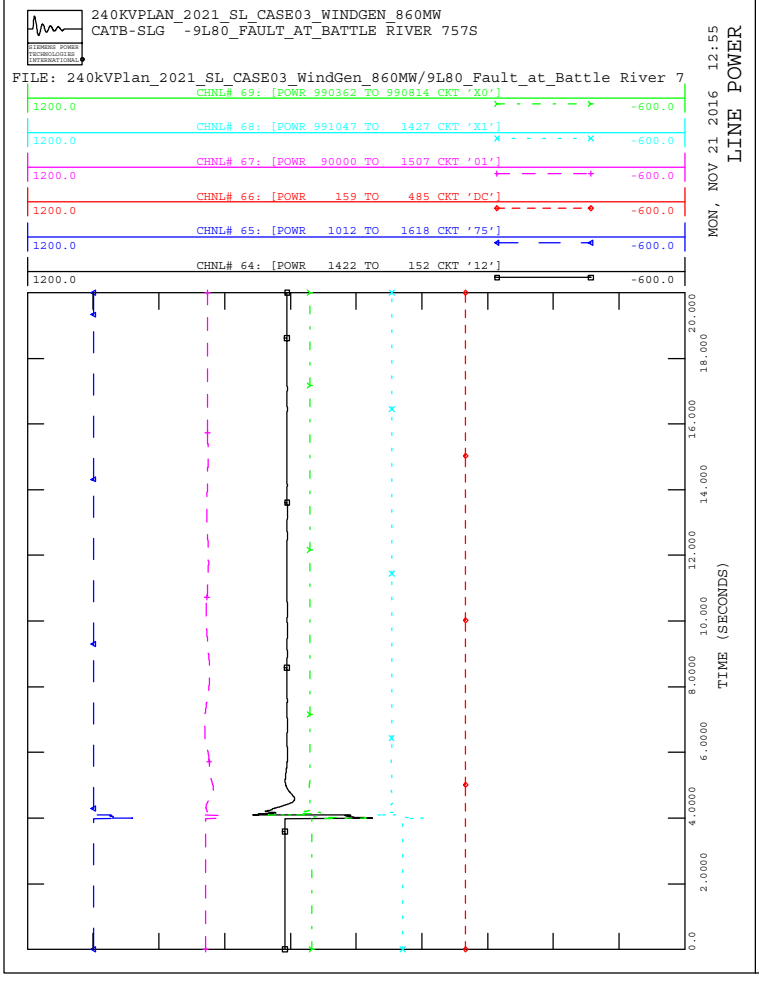
MON, NOV 21 2016 12:55

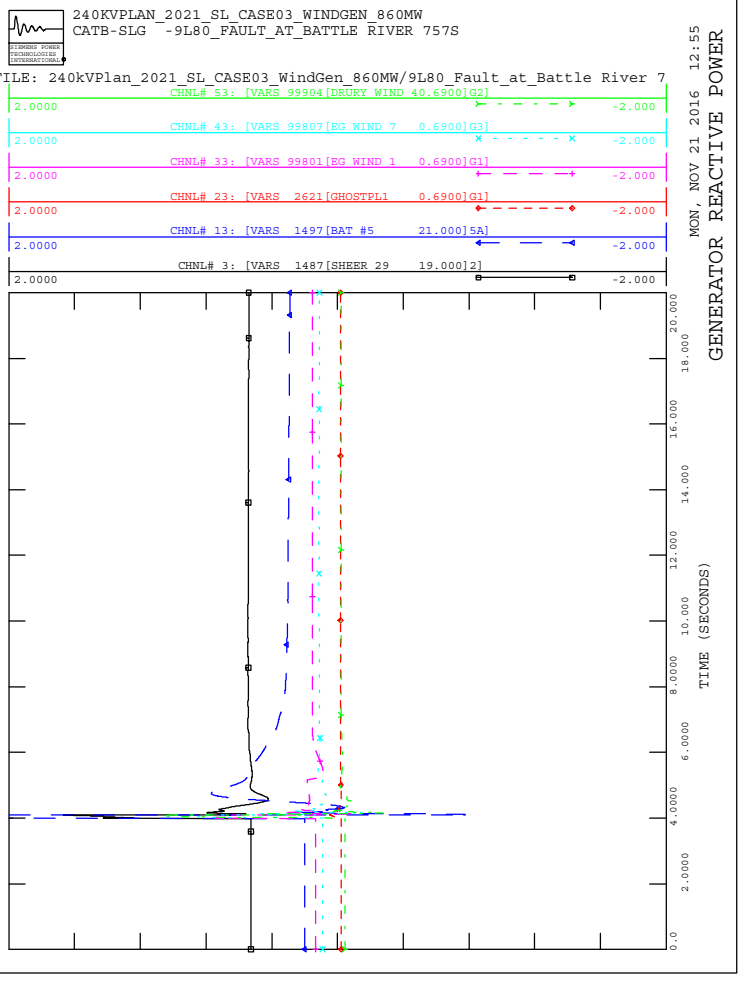
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

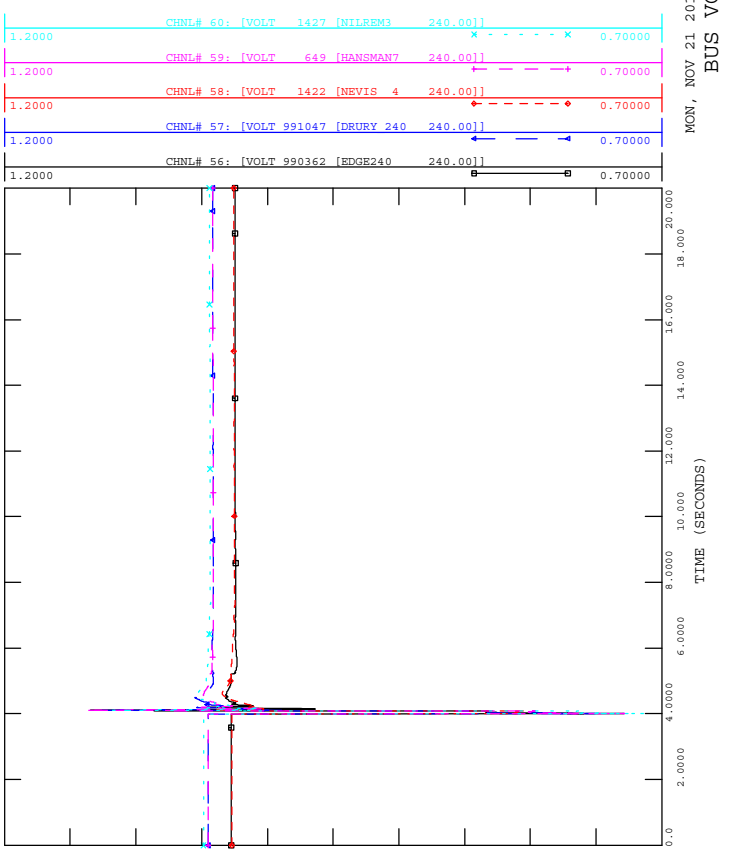

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

BUS VOLTAGE

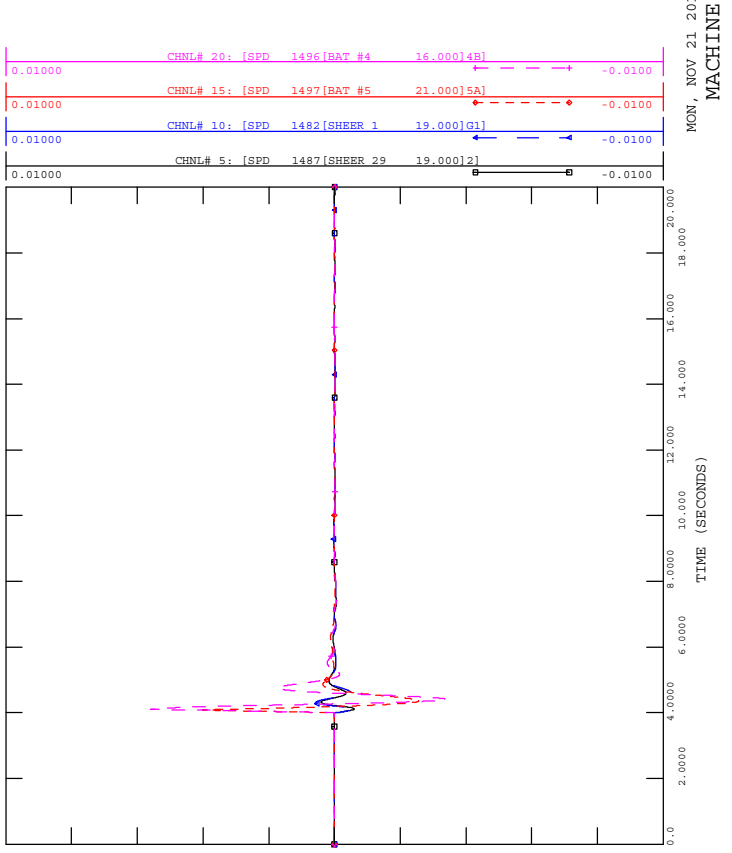


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

MACHINE SPEED

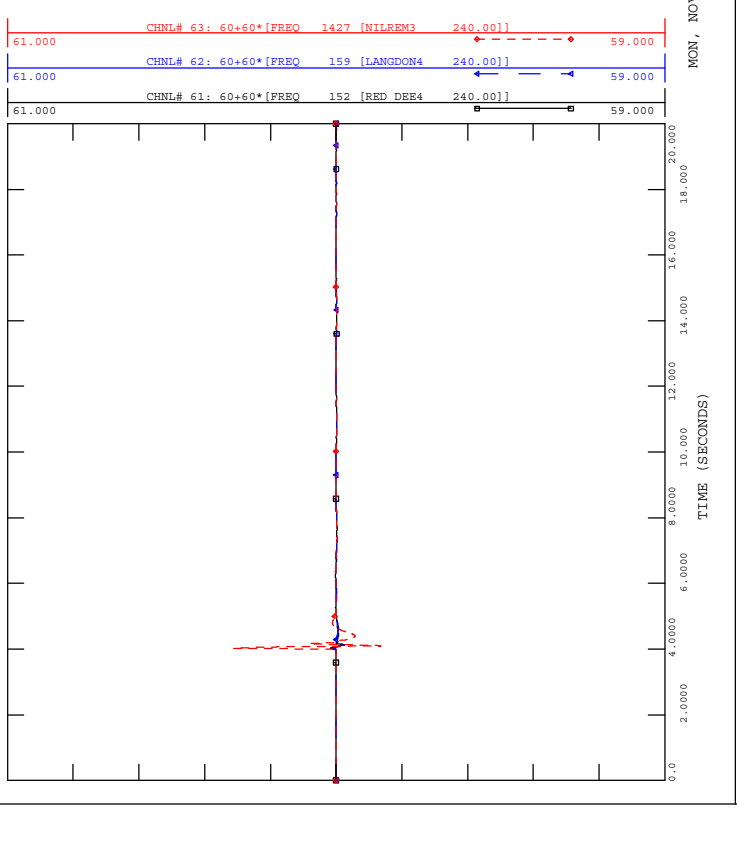


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

FREQUENCY

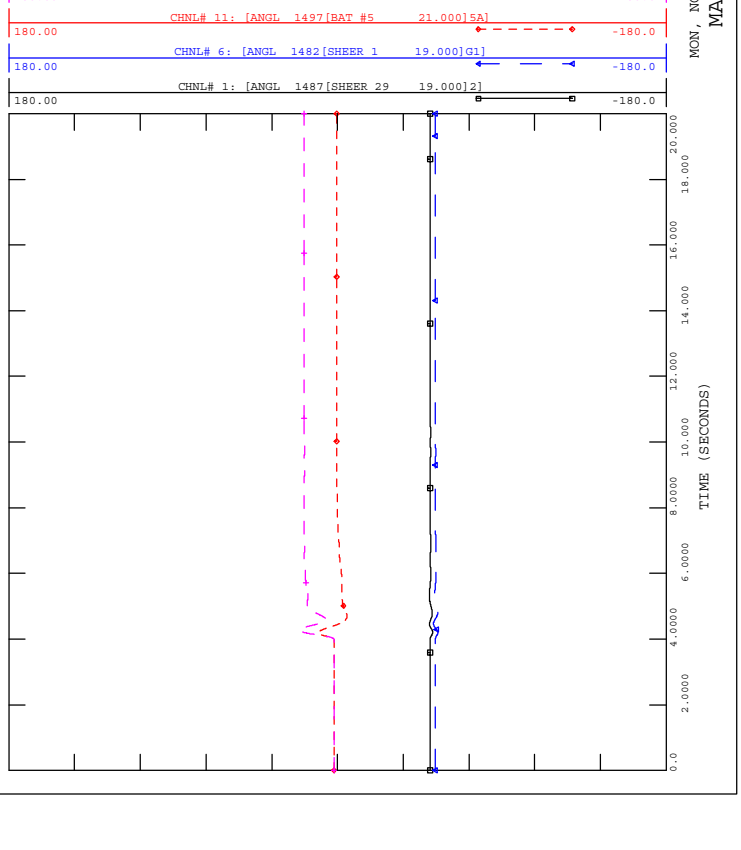


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

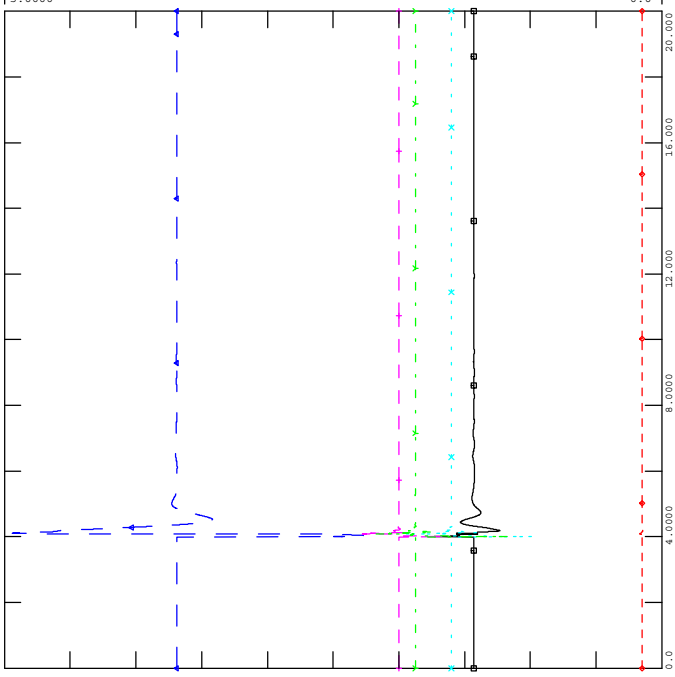
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

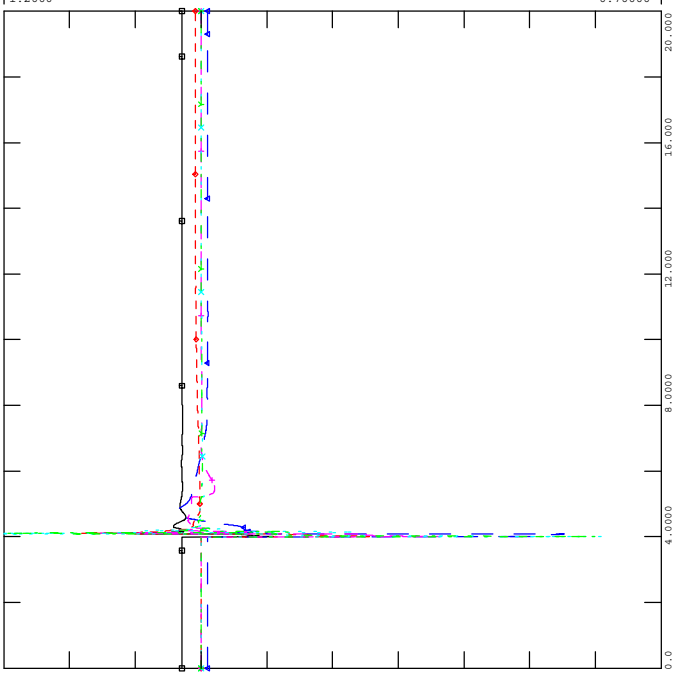
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

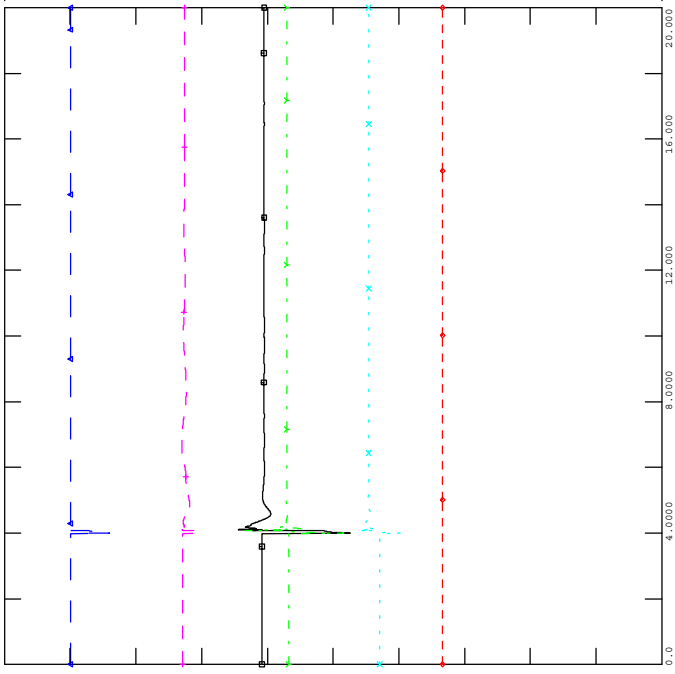
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

TIME (SECONDS)



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

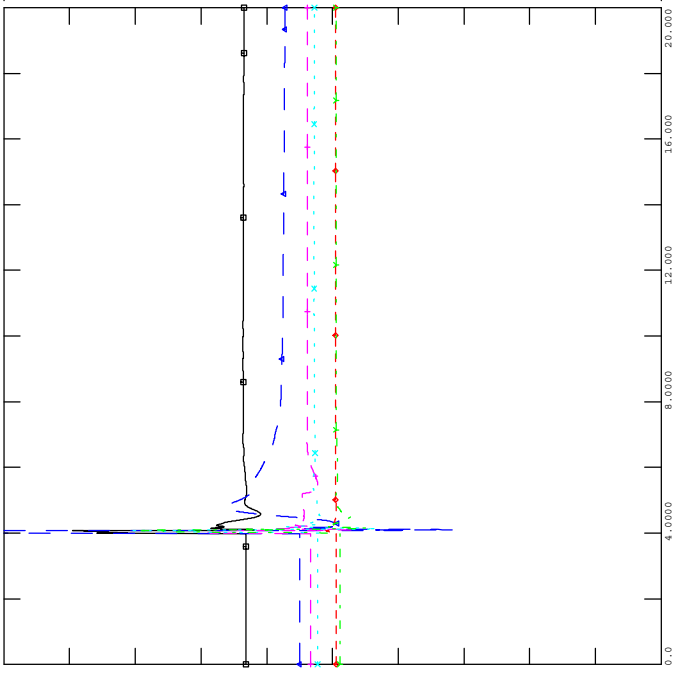
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:55

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

TIME (SECONDS)

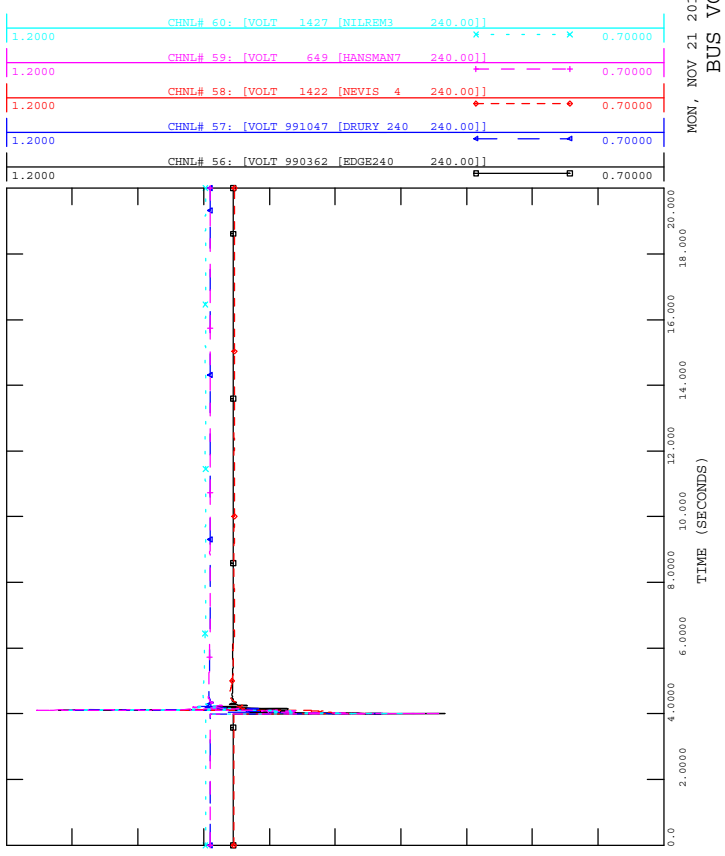


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:55

BUS VOLTAGE

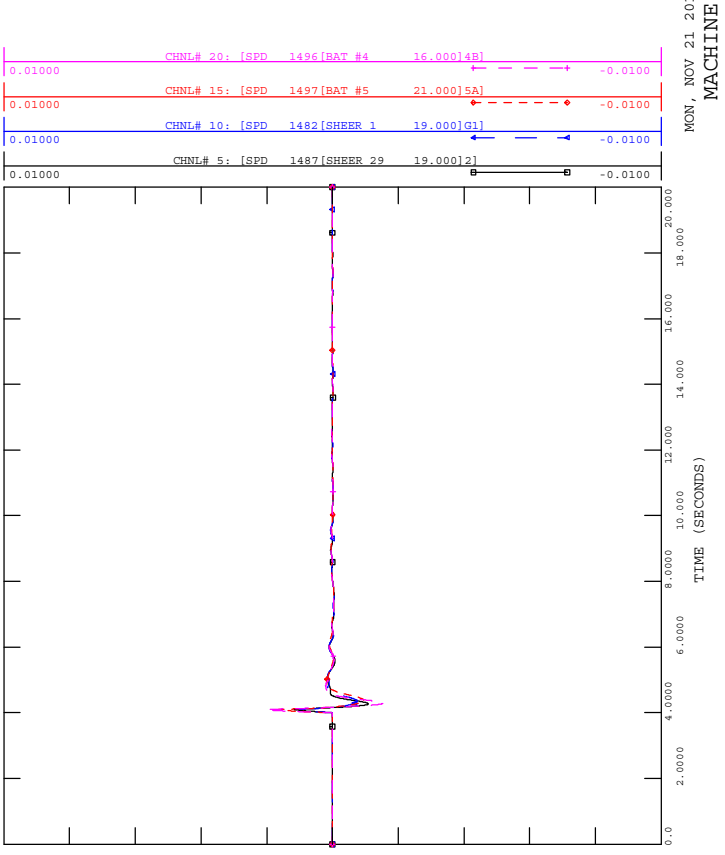


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:55

MACHINE SPEED

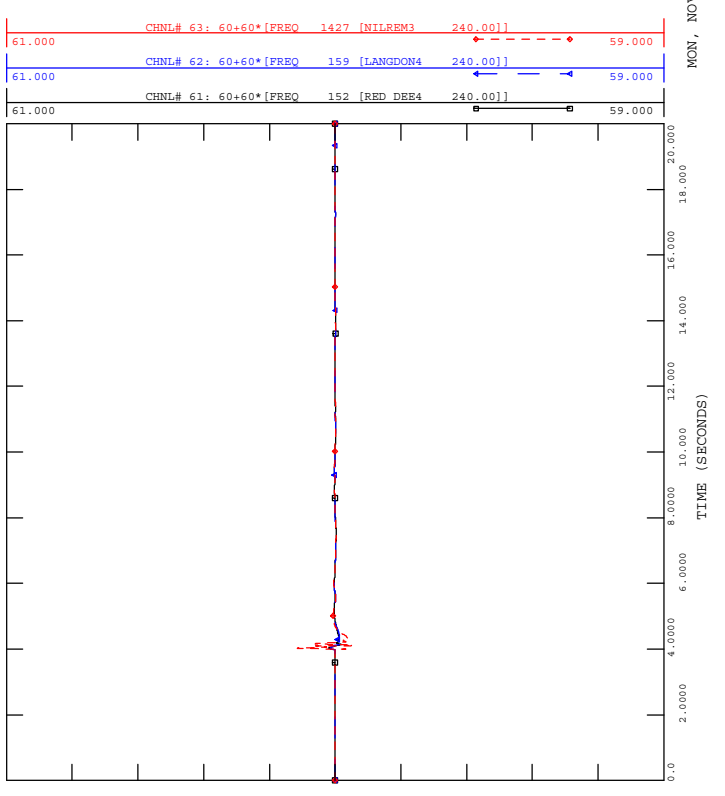


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:55

FREQUENCY

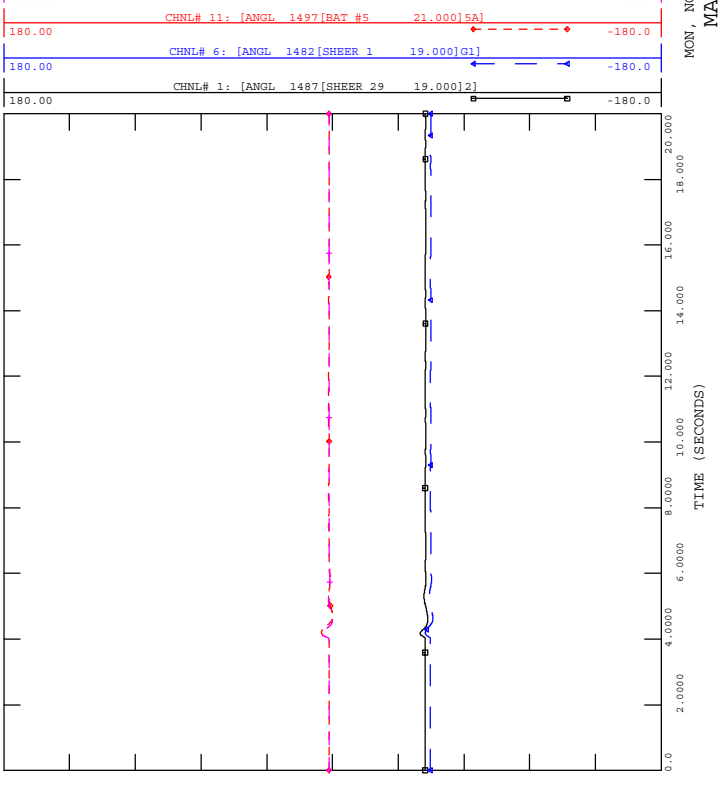


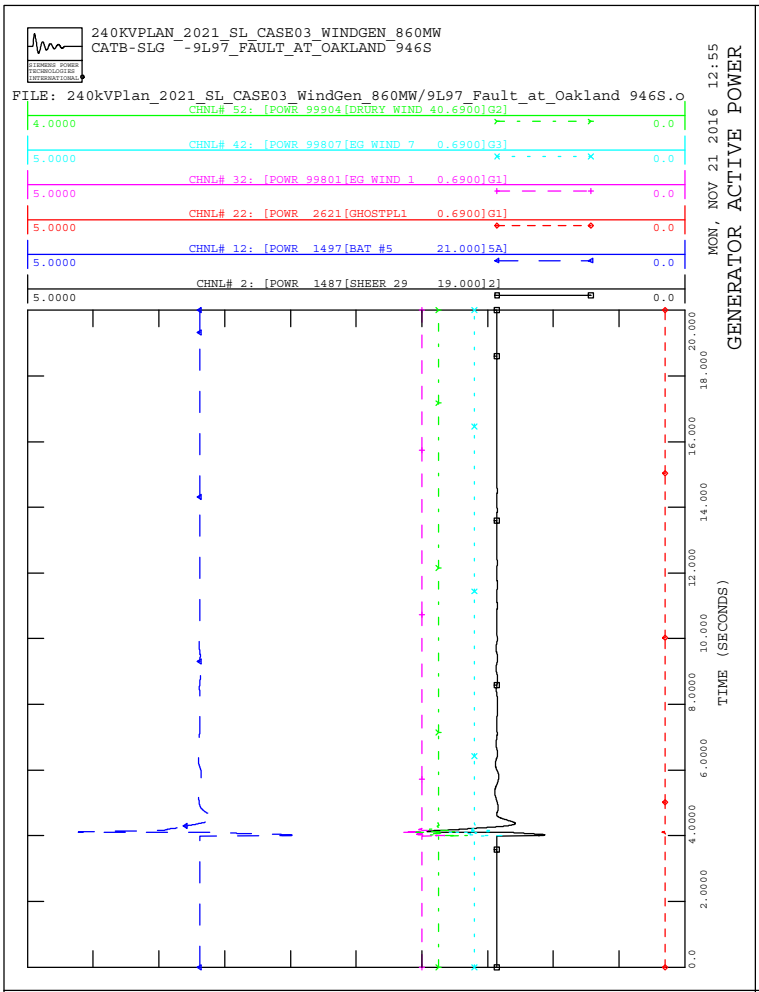
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

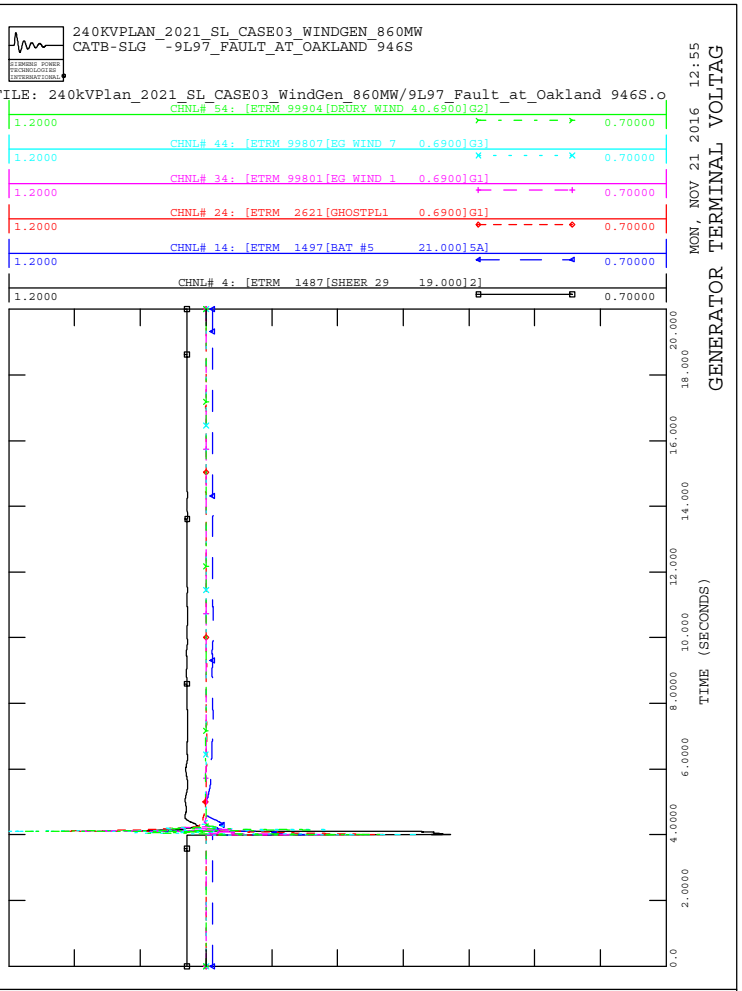
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

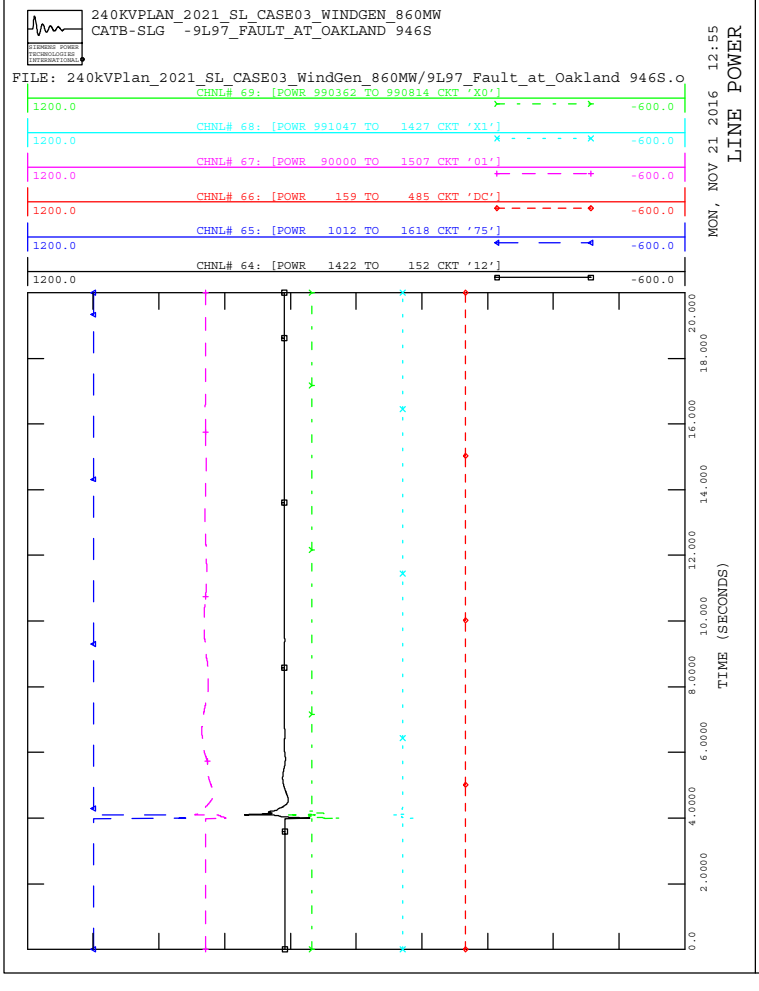
MON, NOV 21 2016 12:55

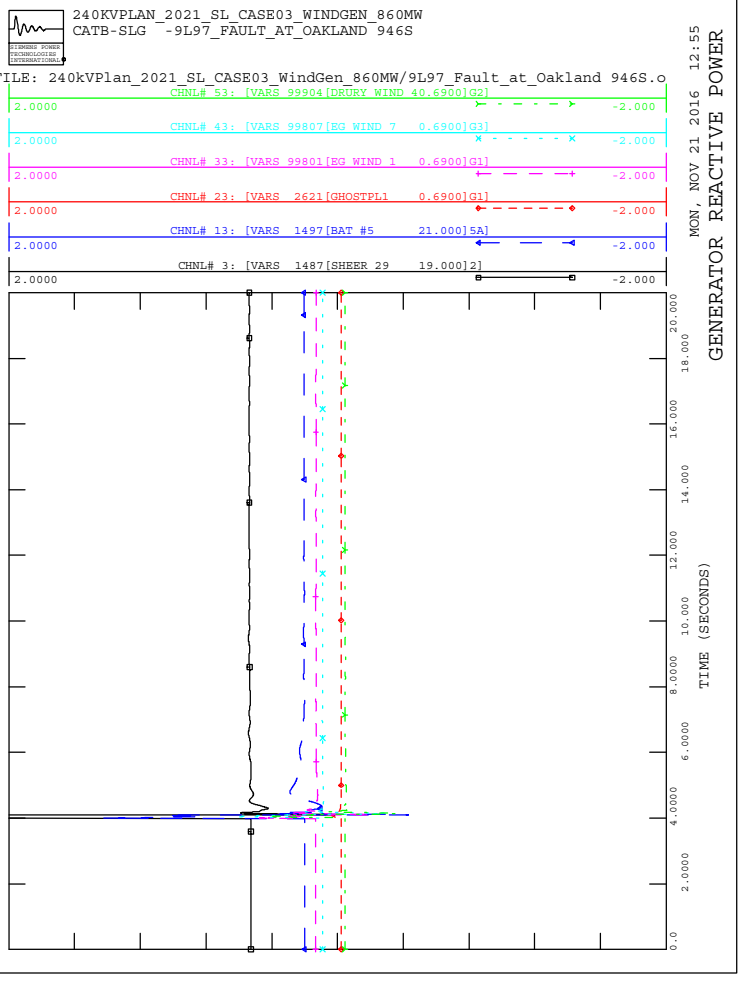
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Oakland 946S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
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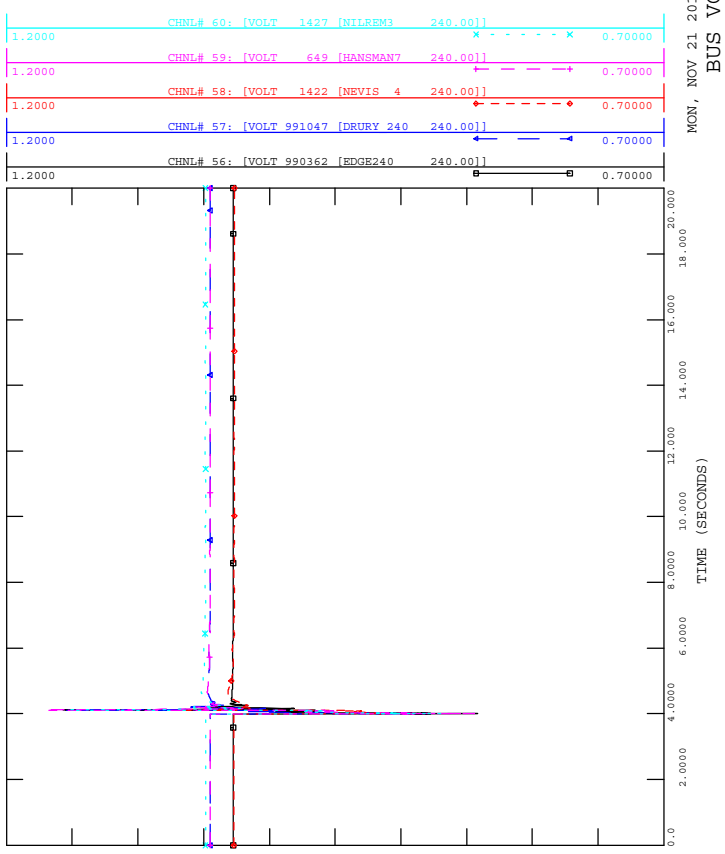
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:55
TIME (SECONDS)

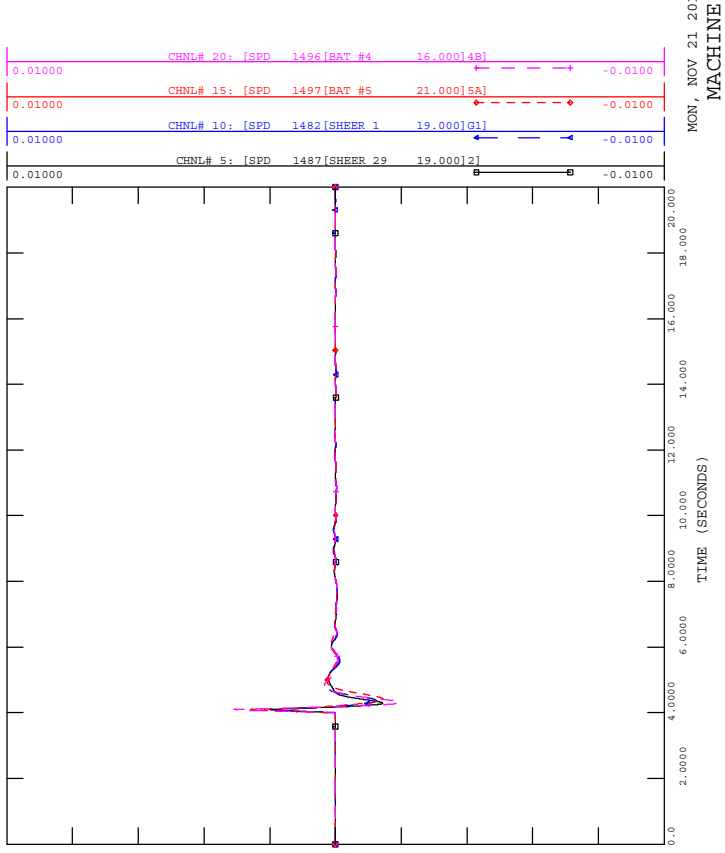
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.



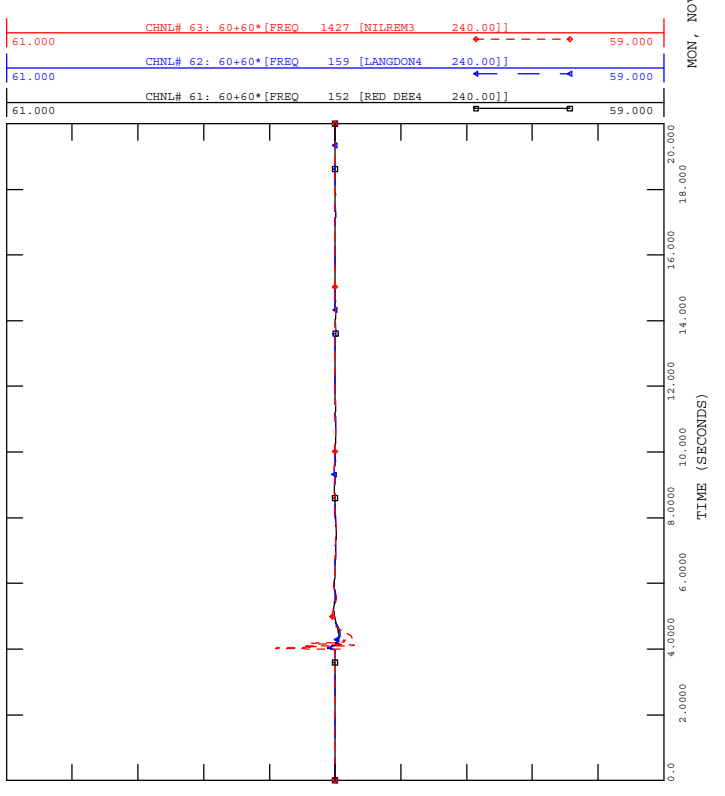
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.



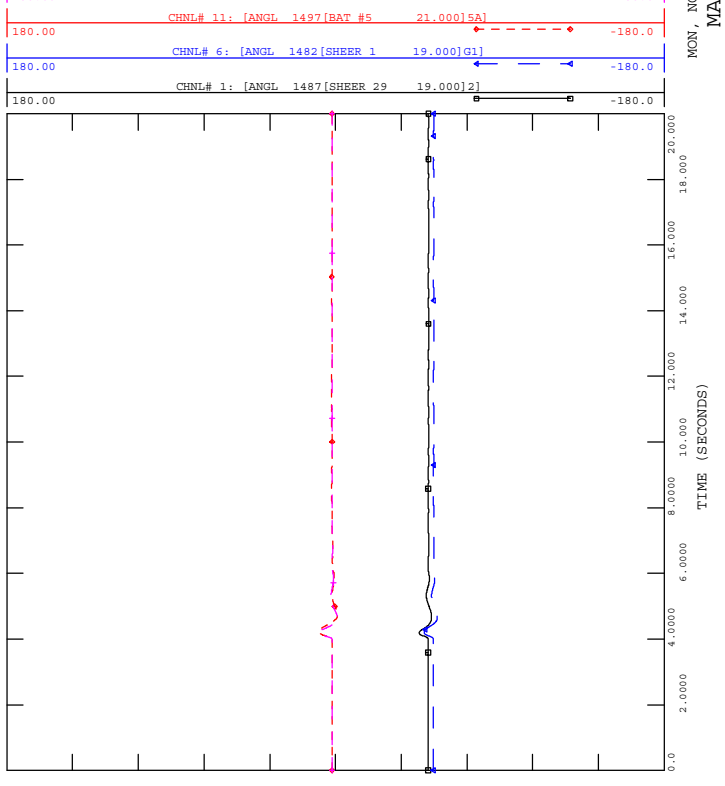
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.



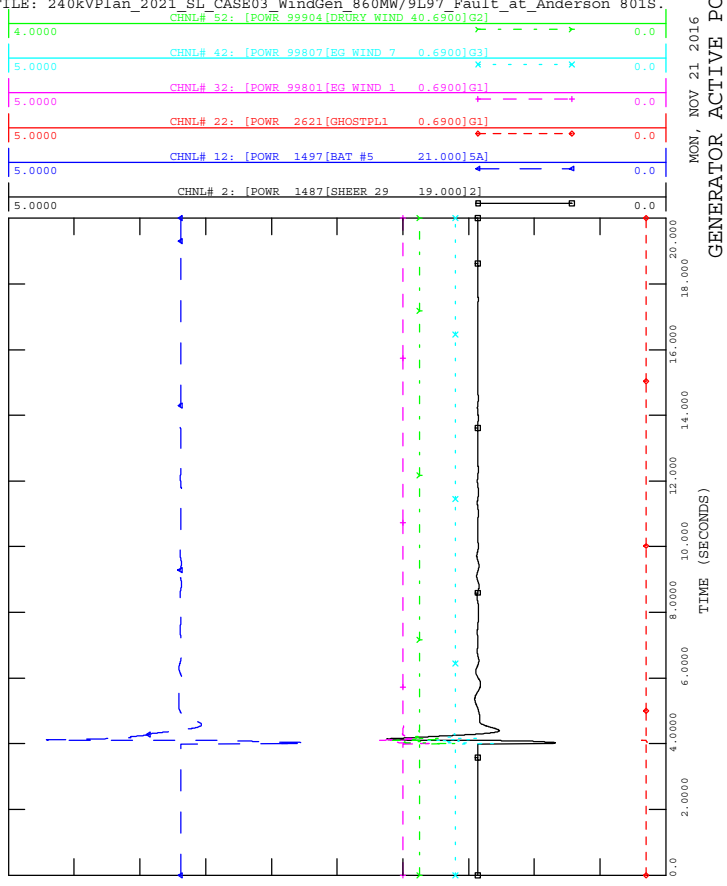
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.

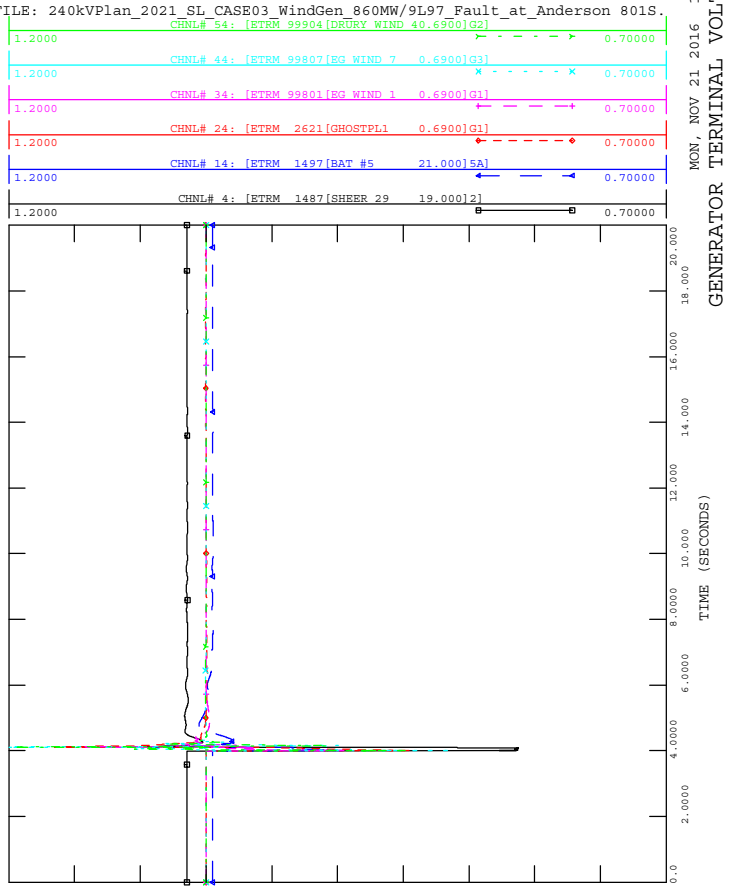


MON, NOV 21 2016 12:55

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.

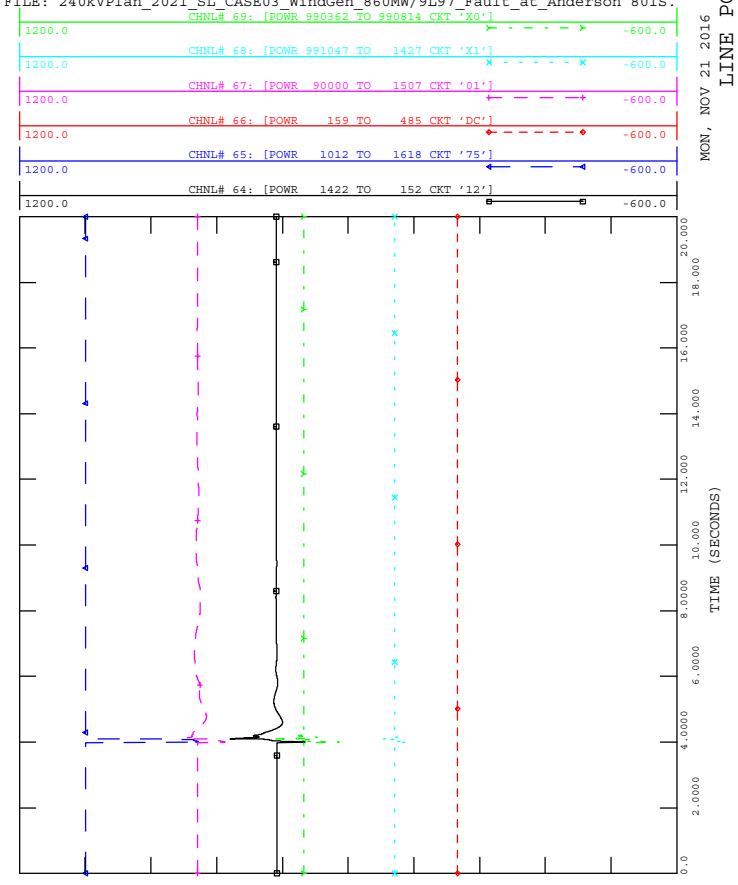


MON, NOV 21 2016 12:55

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.

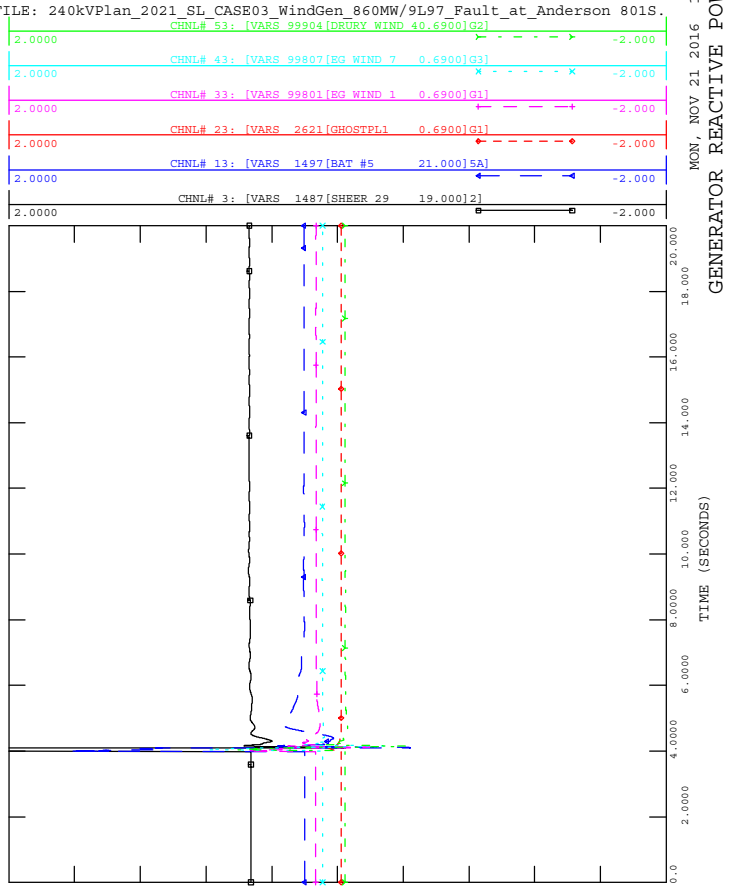


MON, NOV 21 2016 12:55

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_Fault_at_Anderson 801S.



MON, NOV 21 2016 12:55

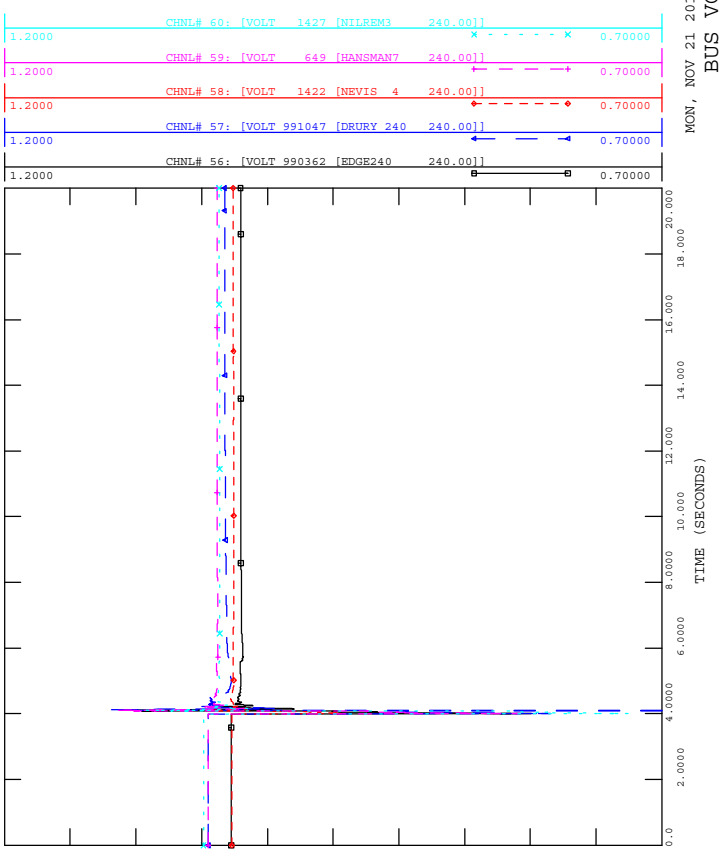
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 12:55

BUS VOLTAGE

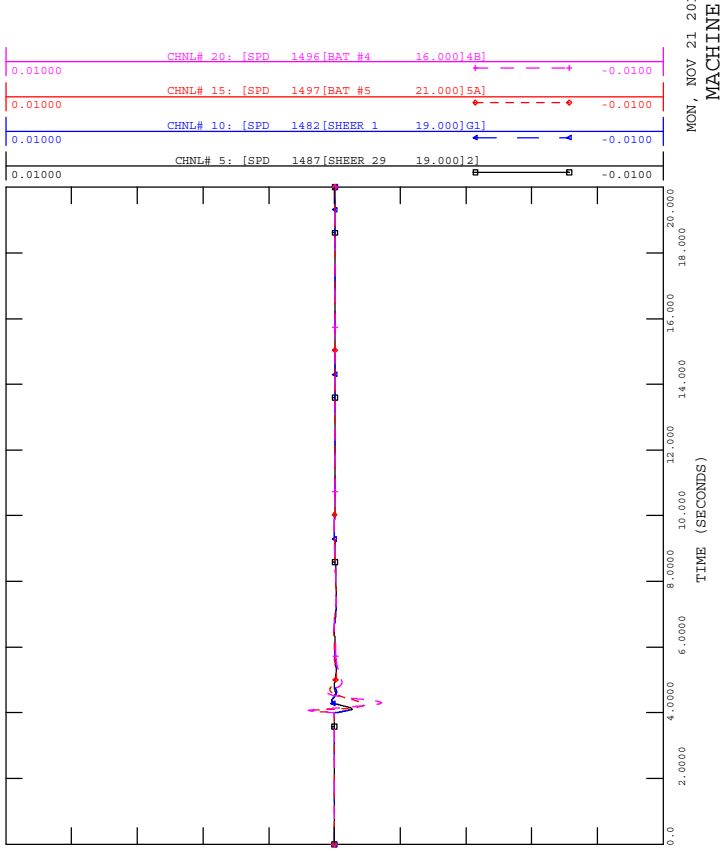


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 12:55

MACHINE SPEED

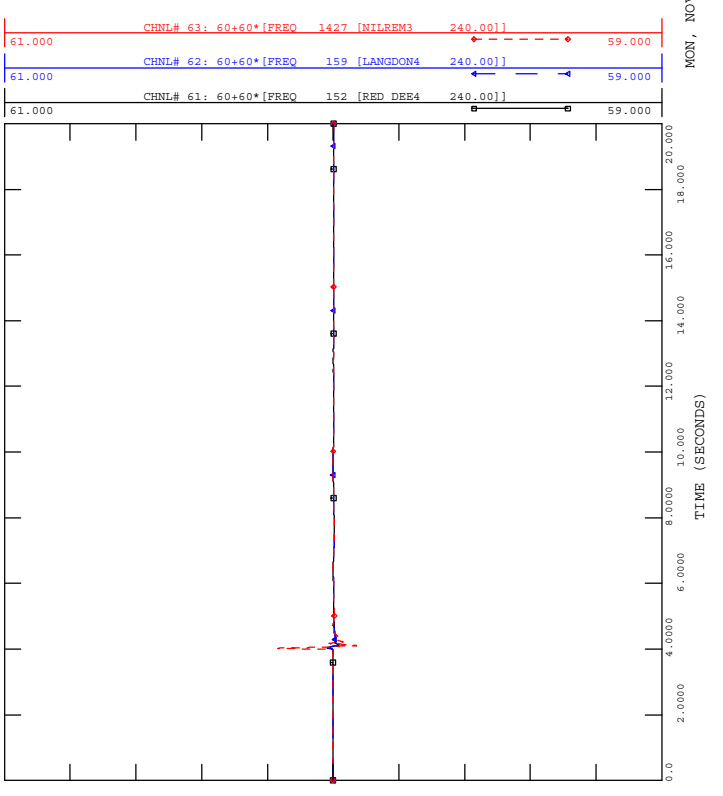


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 12:55

FREQUENCY

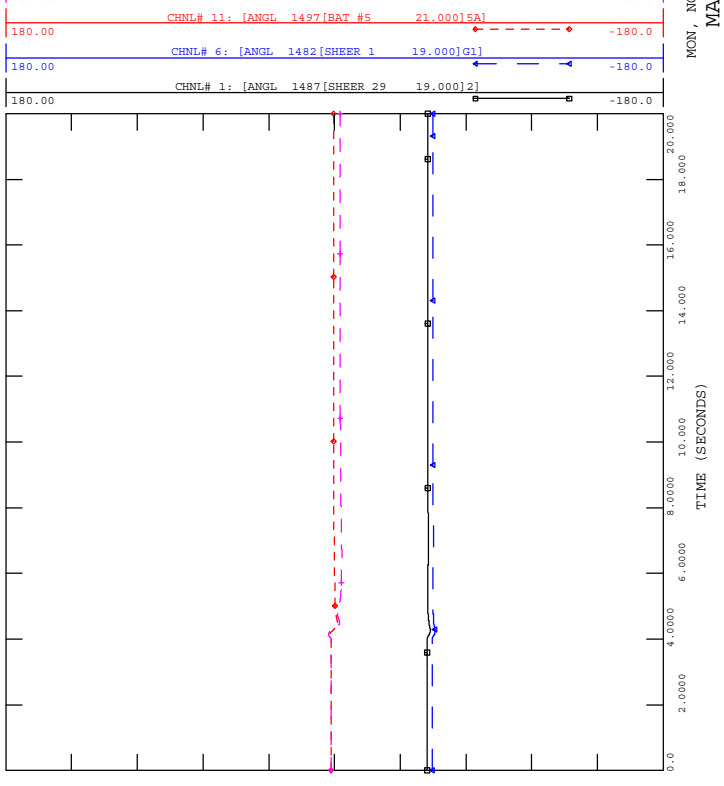


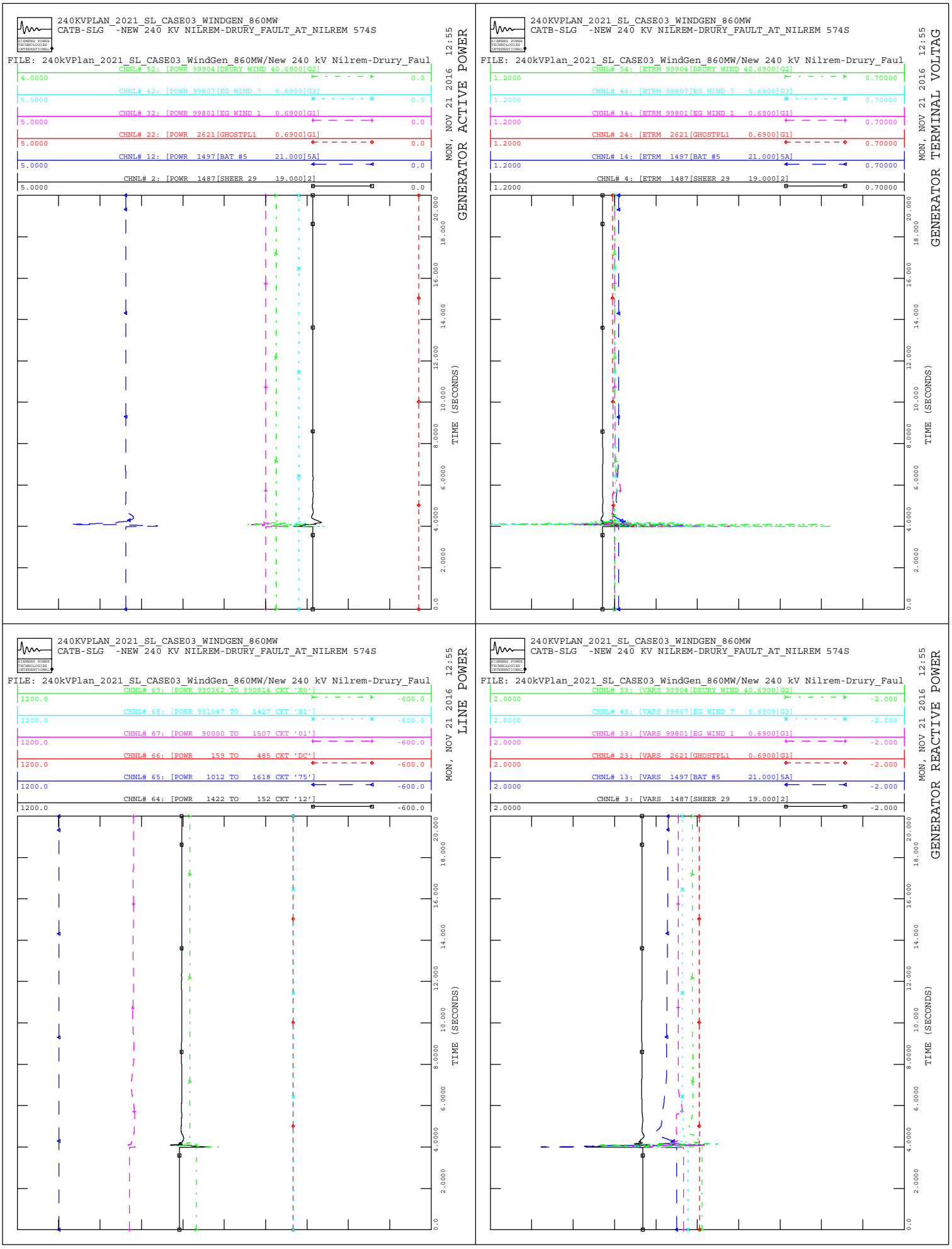
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 12:55

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
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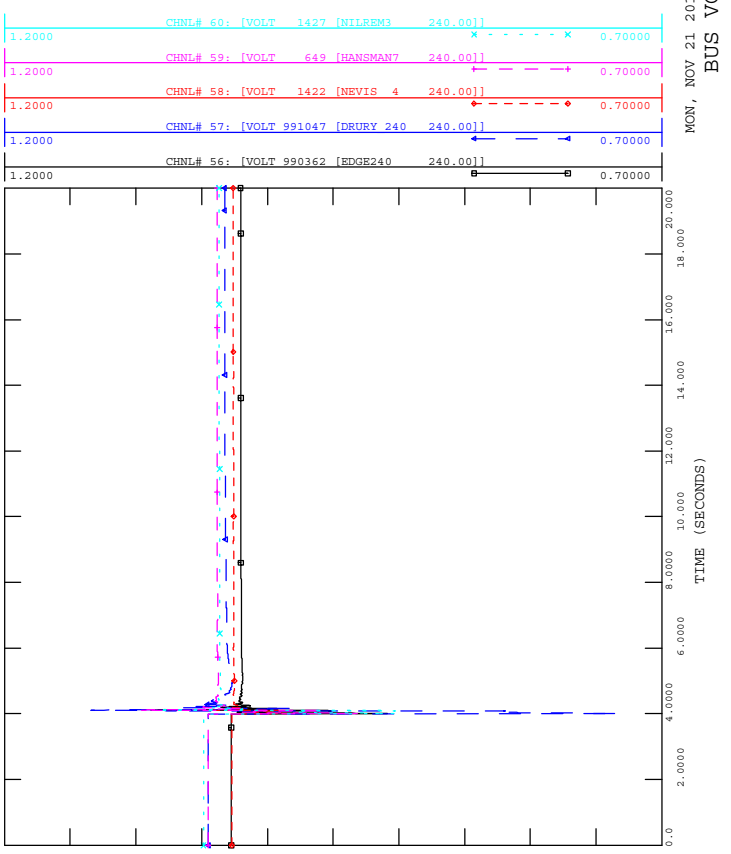
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 12:55

BUS VOLTAGE

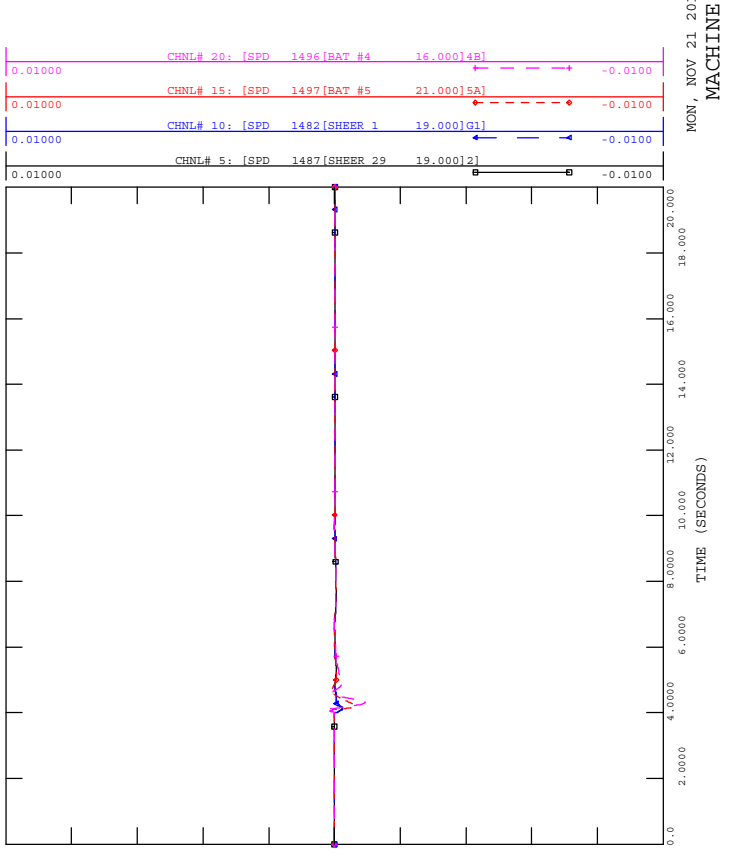


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 12:55

MACHINE SPEED

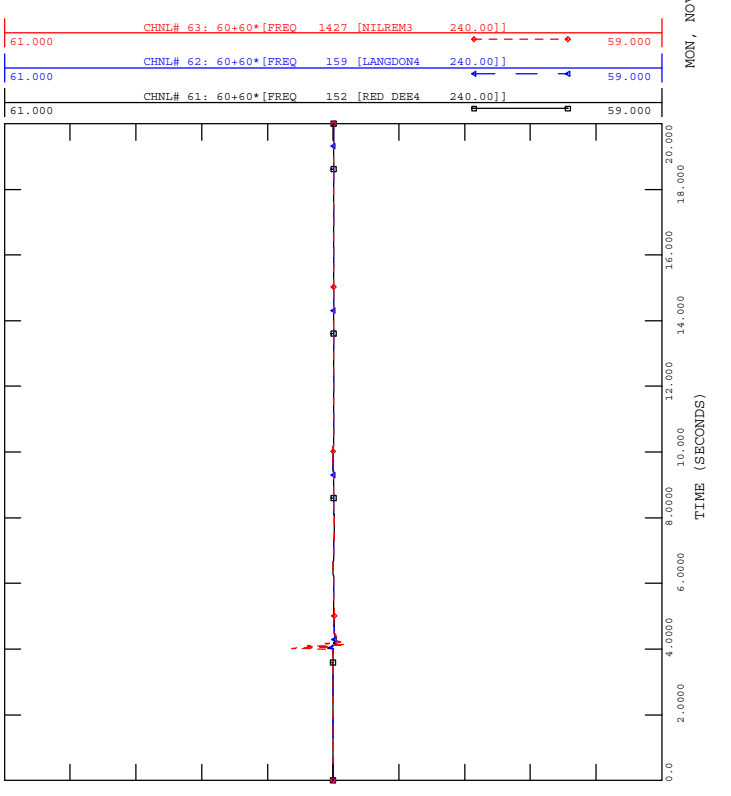


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 12:55

FREQUENCY

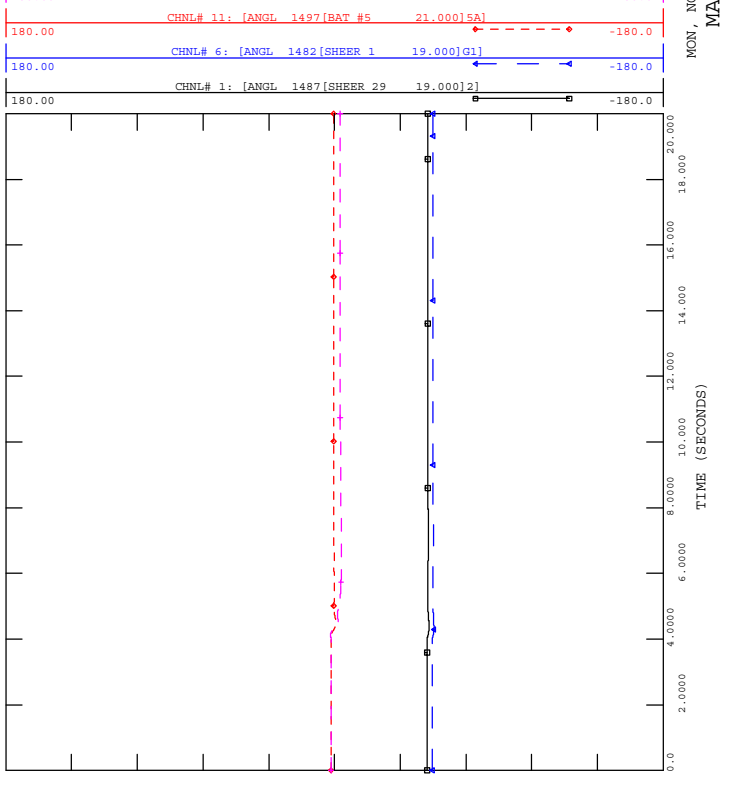


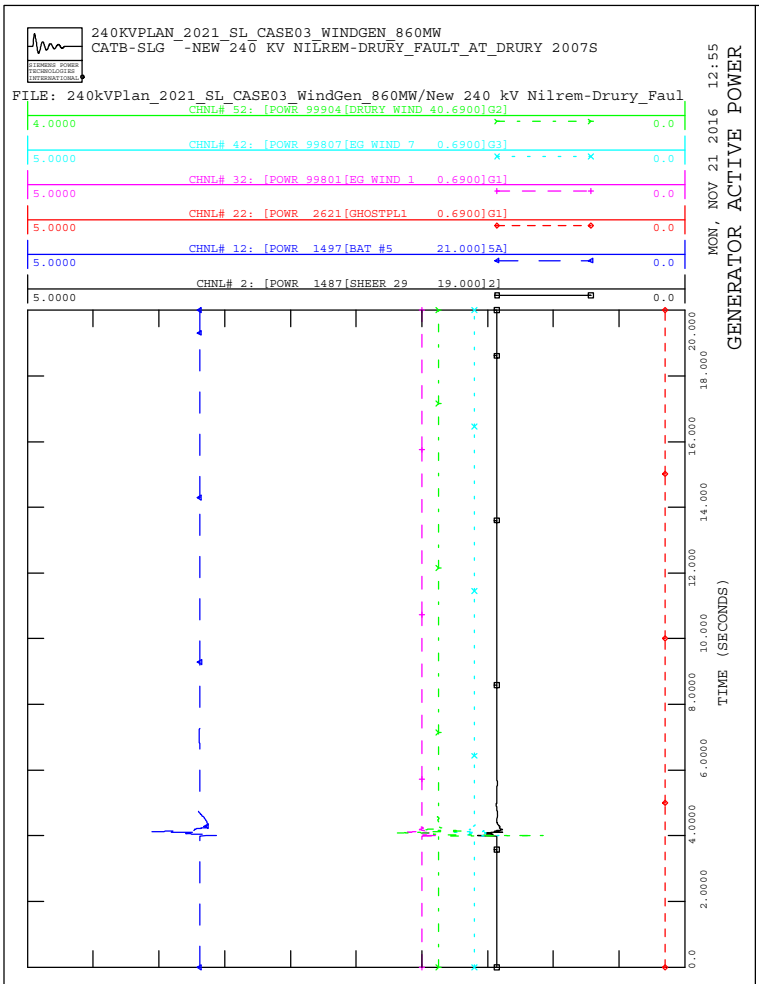
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

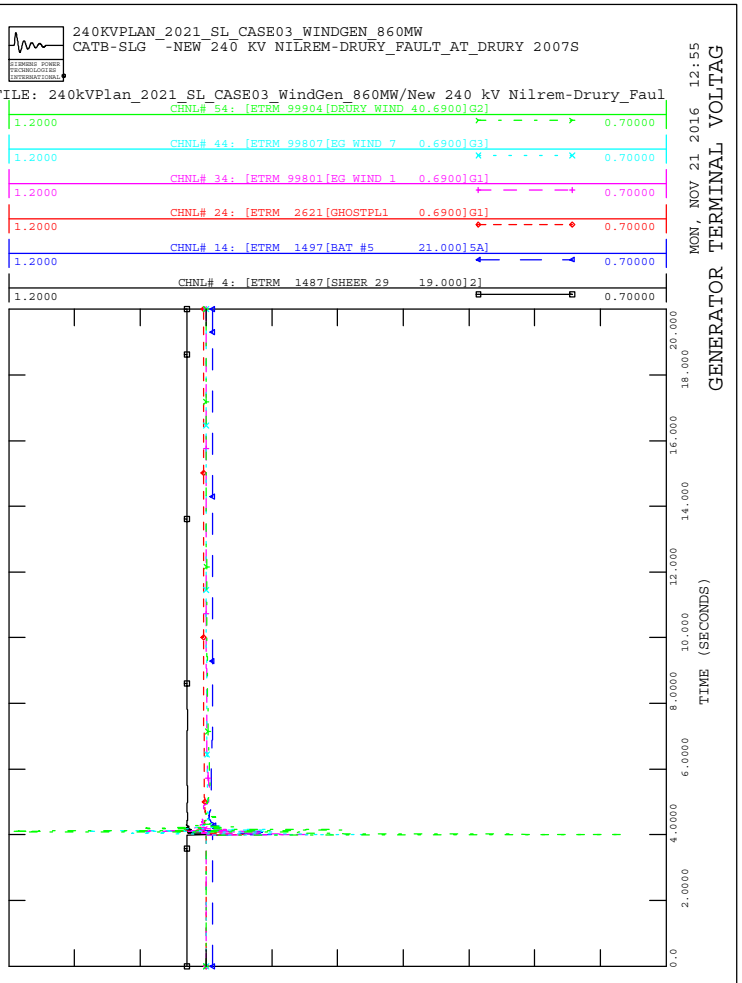
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 12:55

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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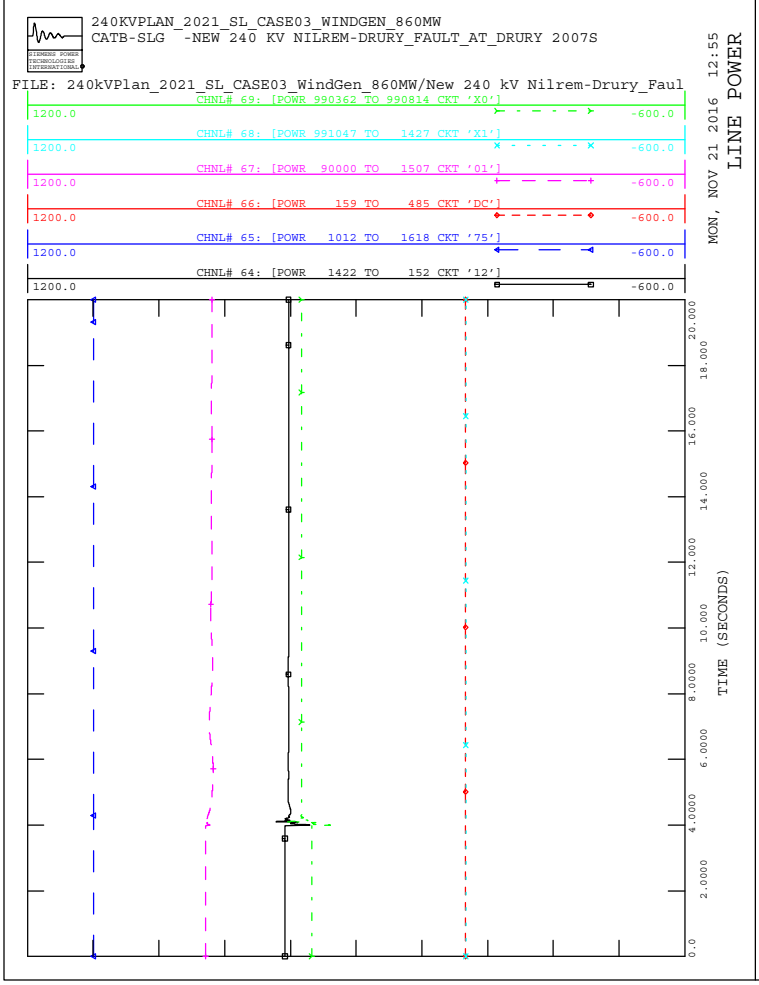
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
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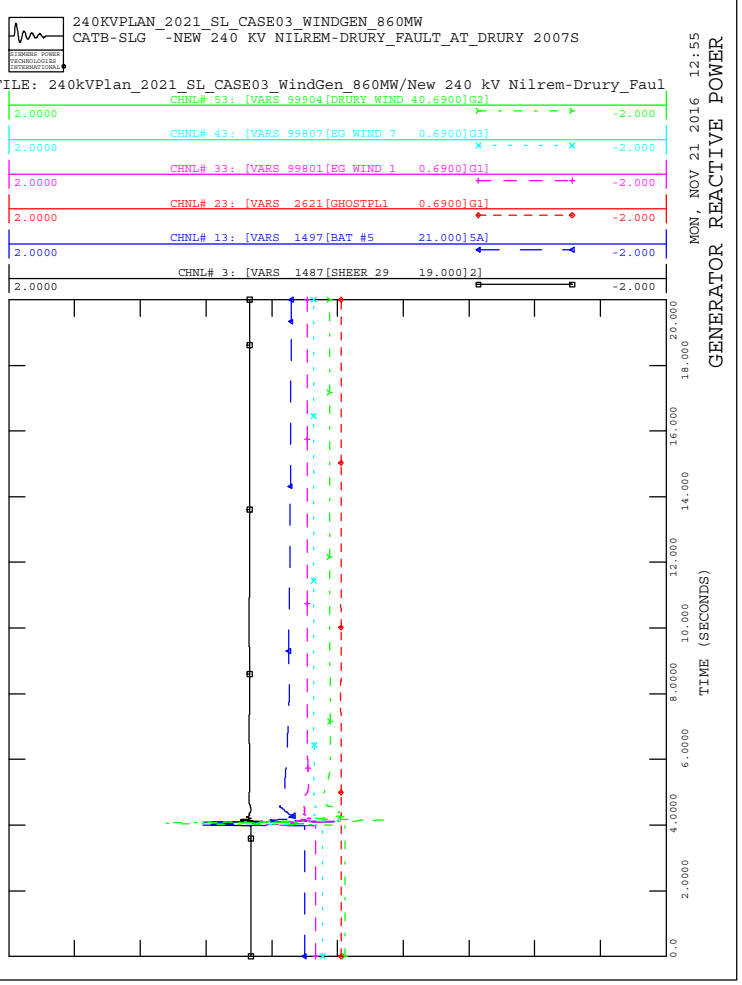
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:55
LINE POWER
TIME (SECONDS)

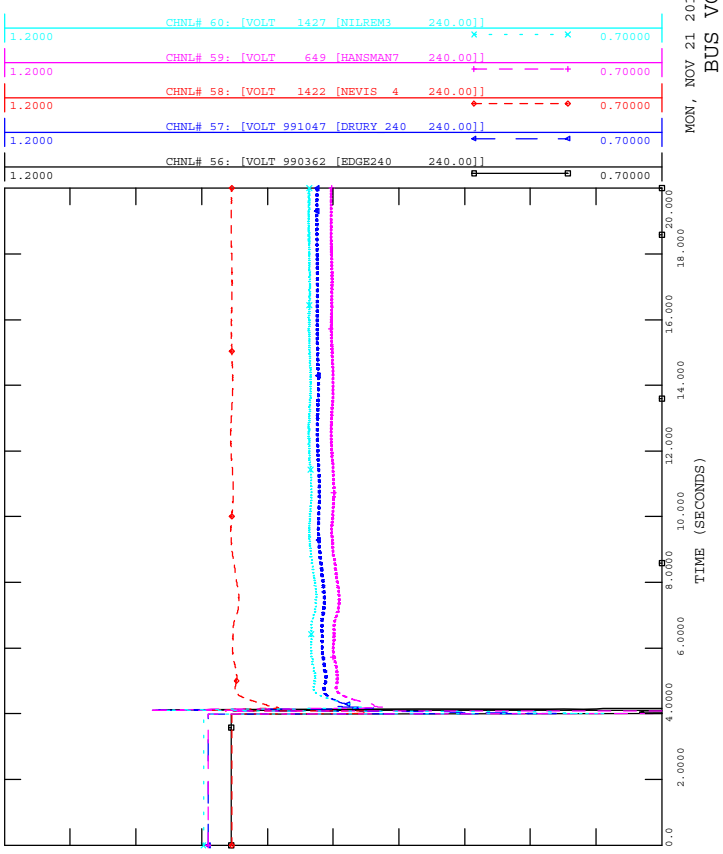

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:55

BUS VOLTAGE

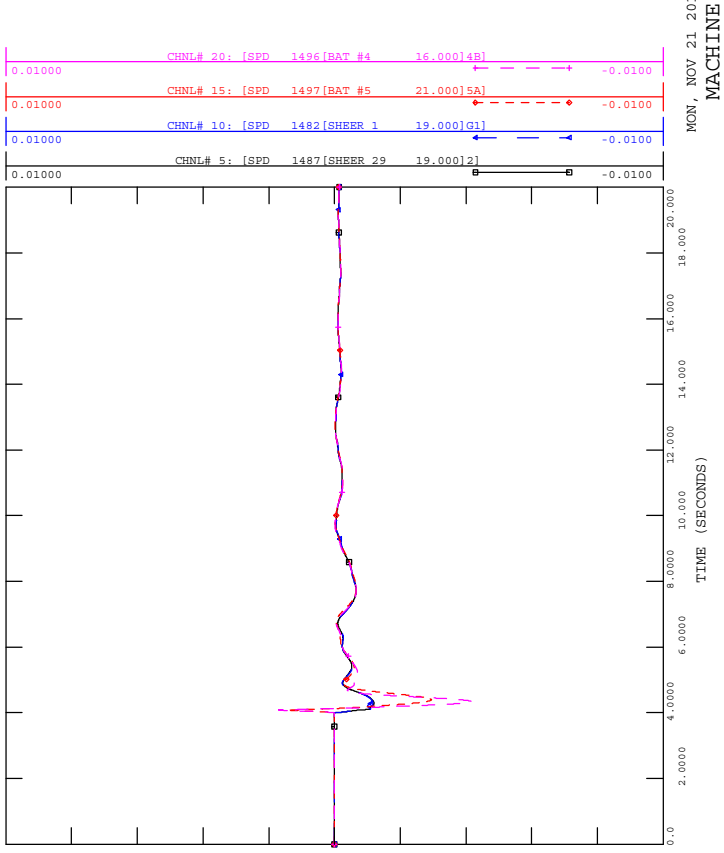


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:55

MACHINE SPEED

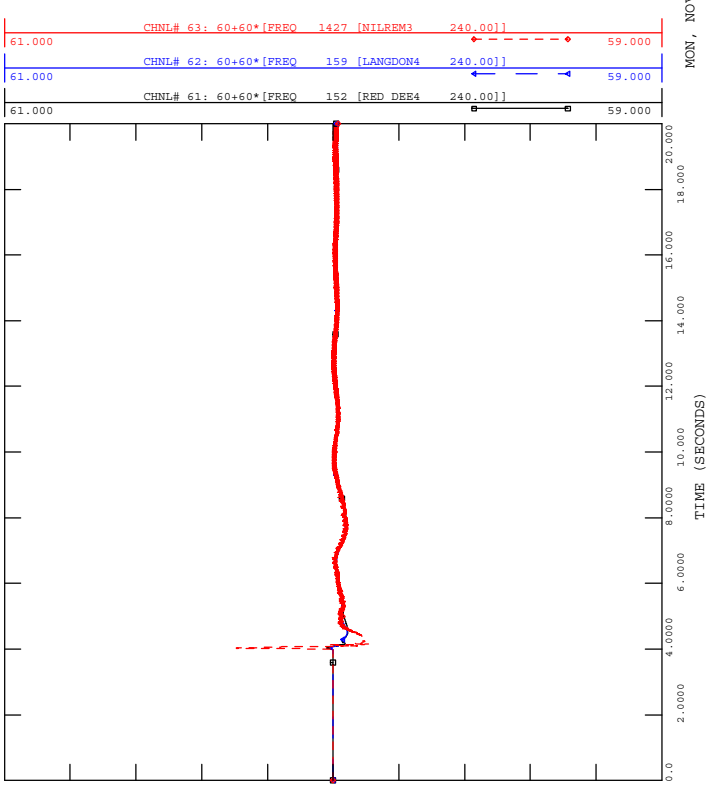


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:55

FREQUENCY

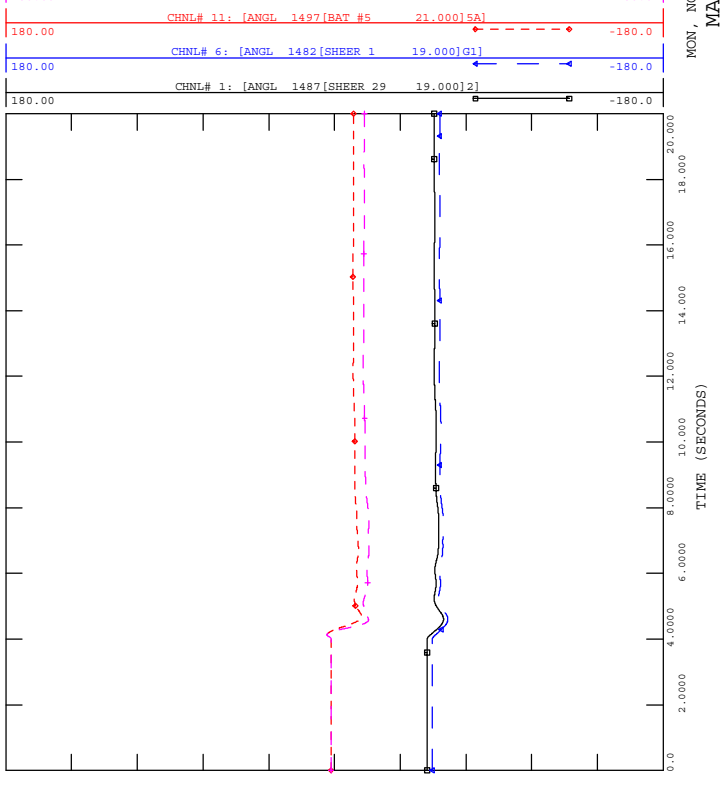


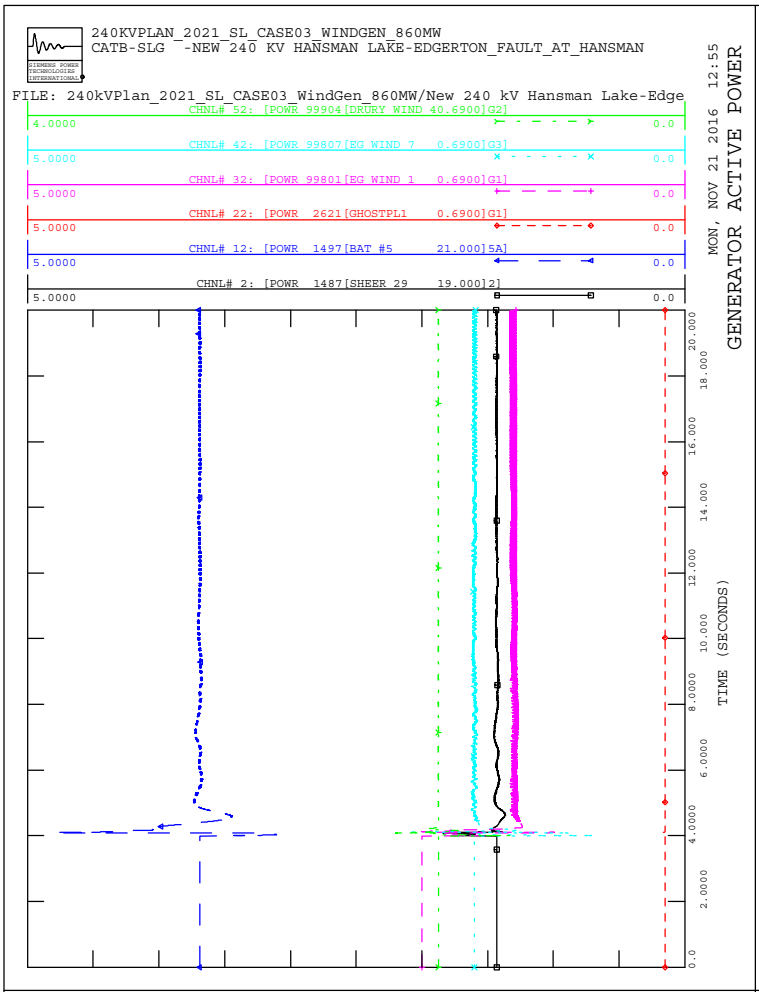
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

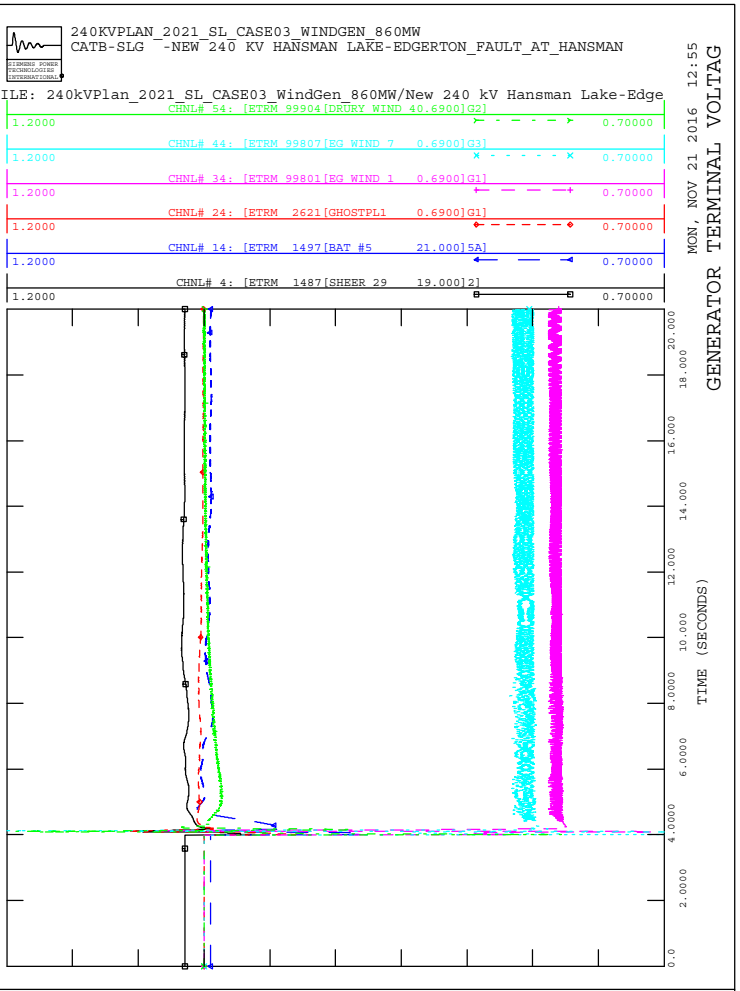
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge

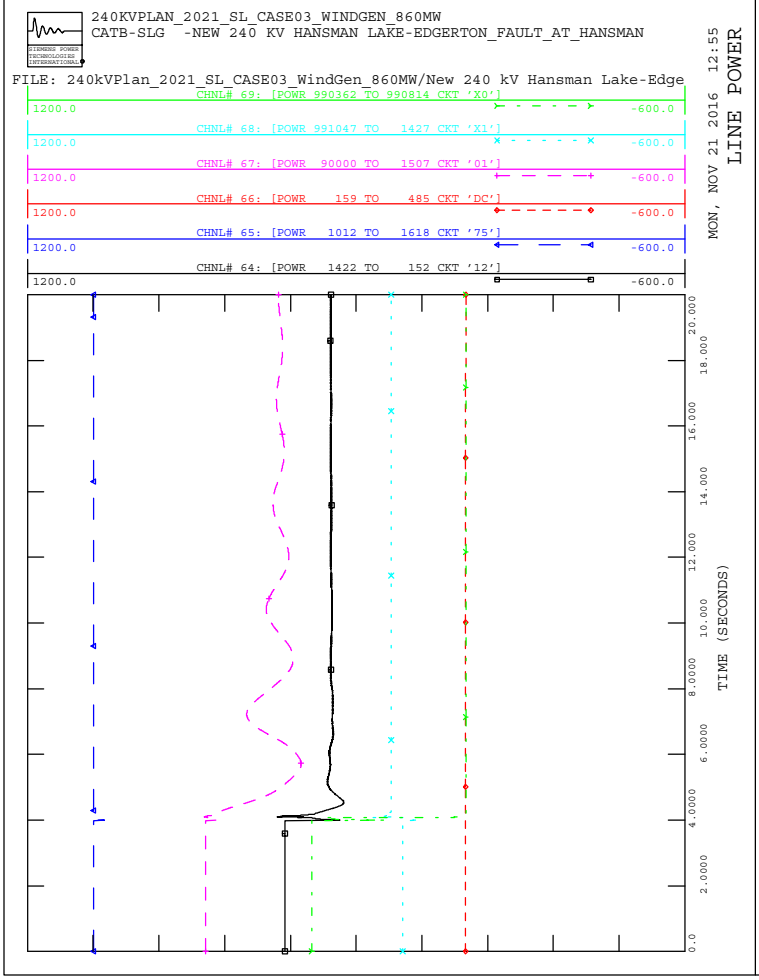
MON, NOV 21 2016 12:55

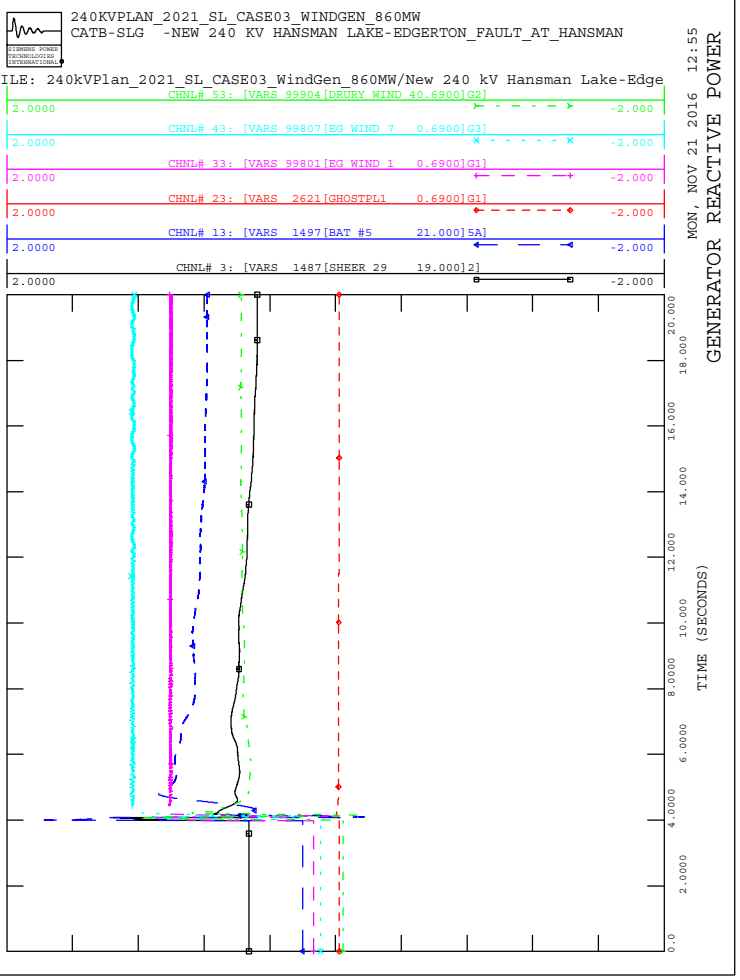
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:55
LINE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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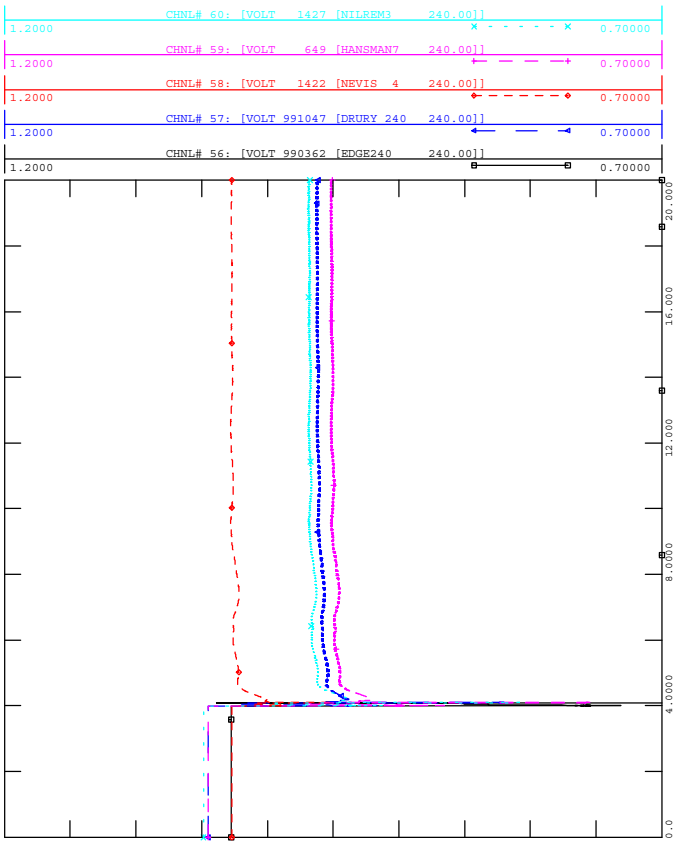
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:55

BUS VOLTAGE

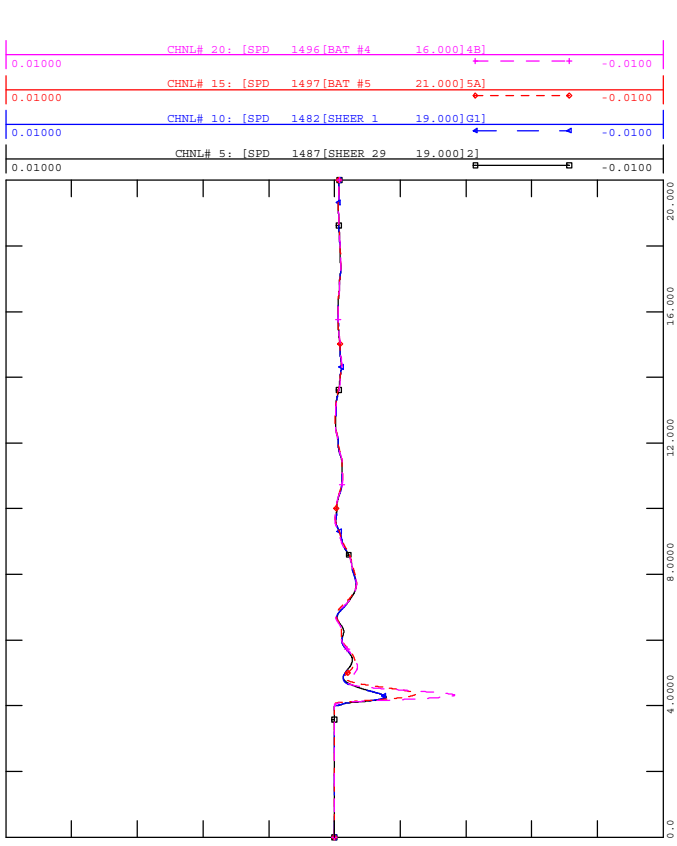


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:55

MACHINE SPEED

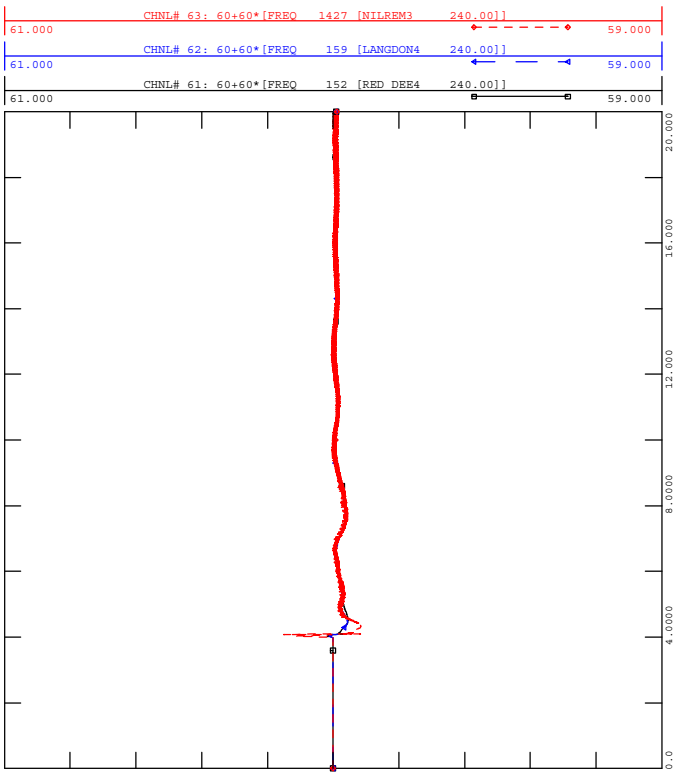


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:55

FREQUENCY

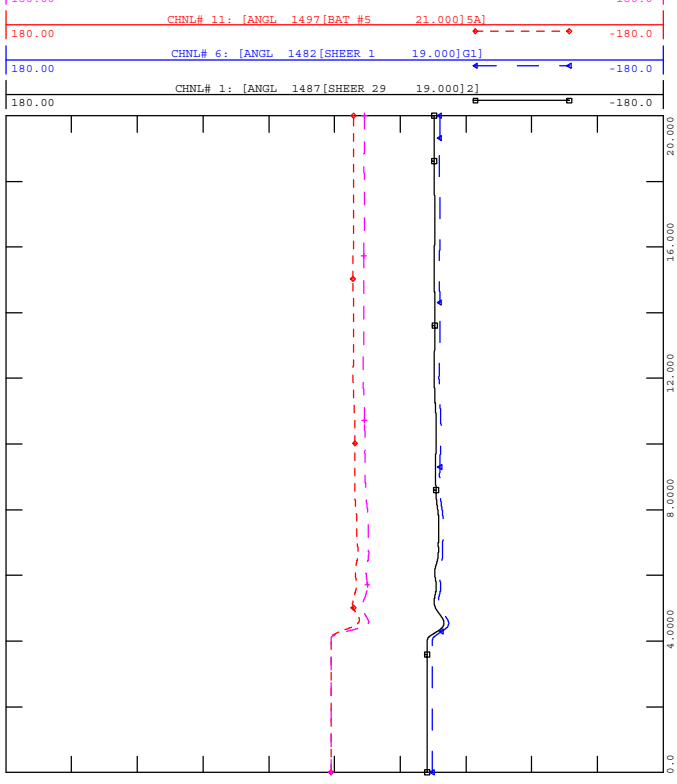


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge

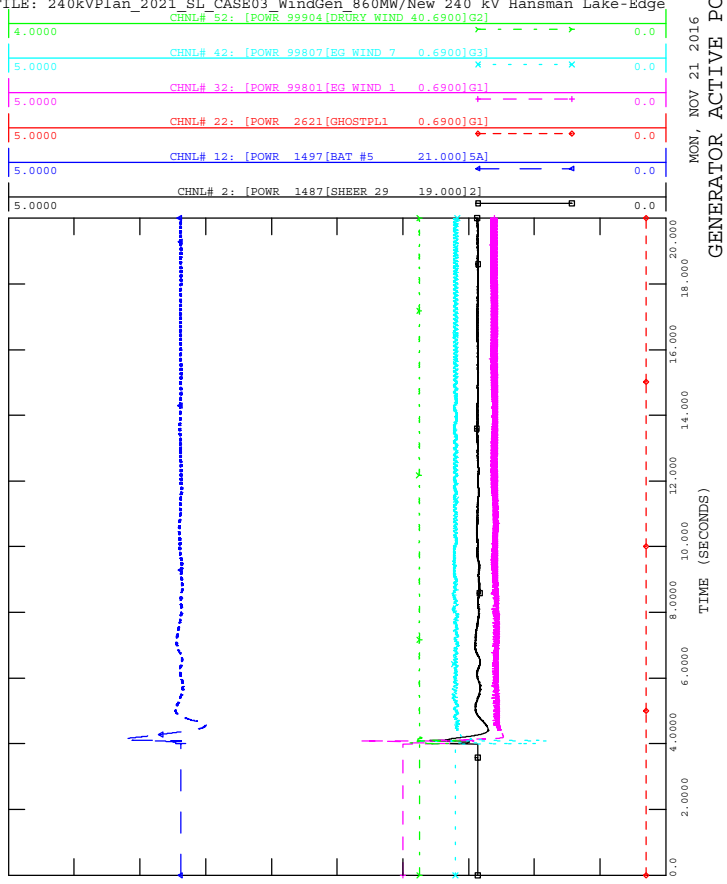
MON, NOV 21 2016 12:55

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

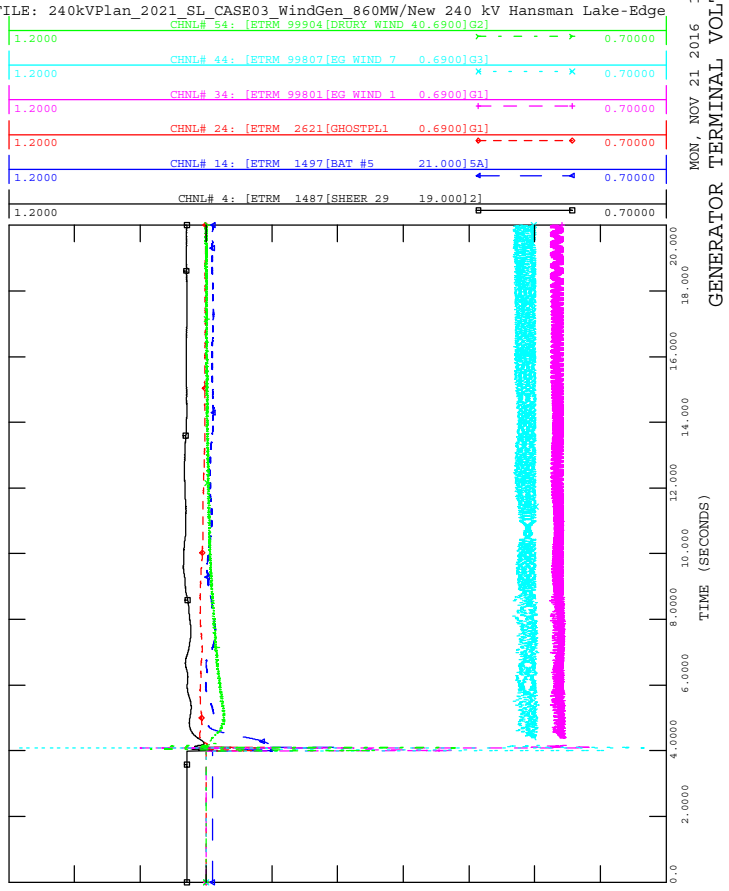
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge



MON, NOV 21 2016 12:55
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

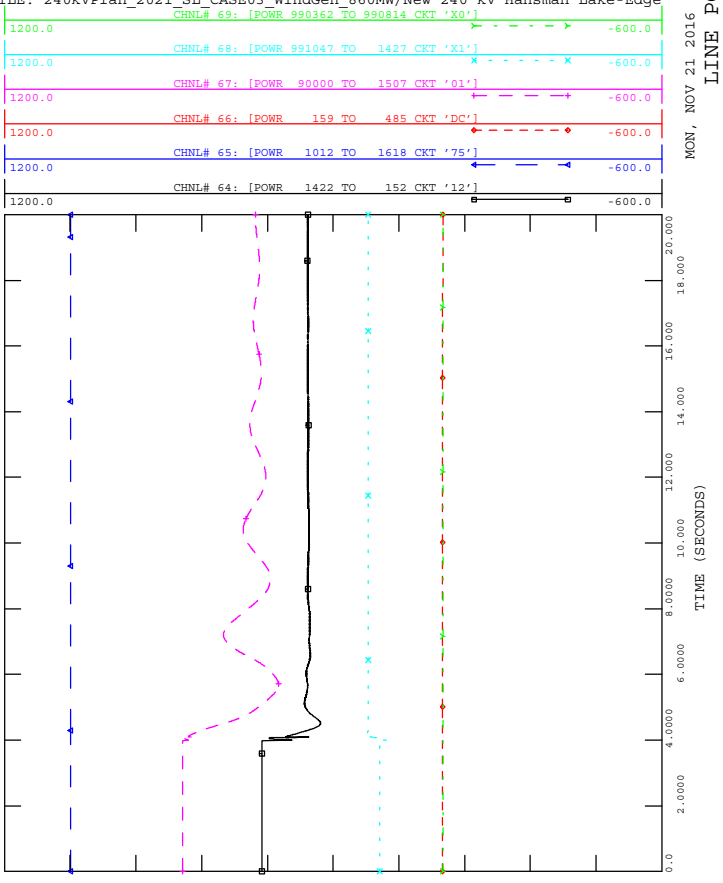
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge



MON, NOV 21 2016 12:55
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

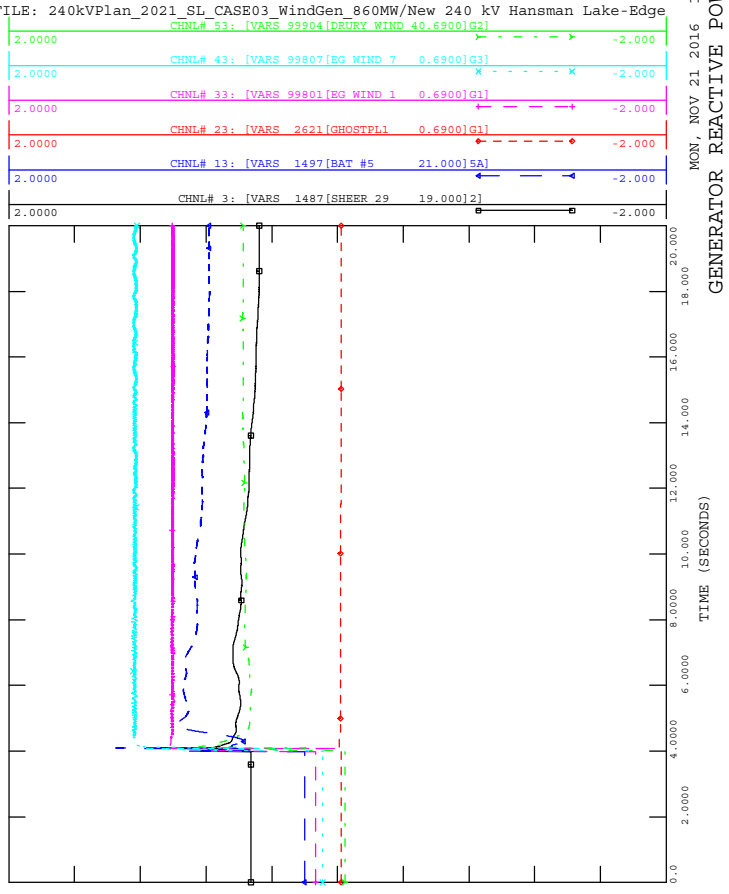
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge



MON, NOV 21 2016 12:55
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV Hansman Lake-Edge



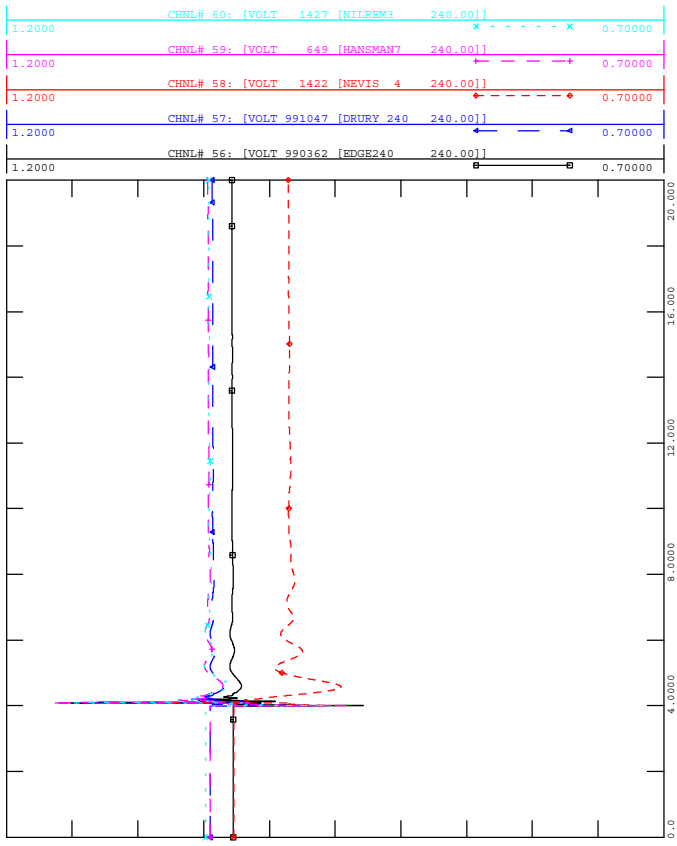
MON, NOV 21 2016 12:55
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:56

BUS VOLTAGE

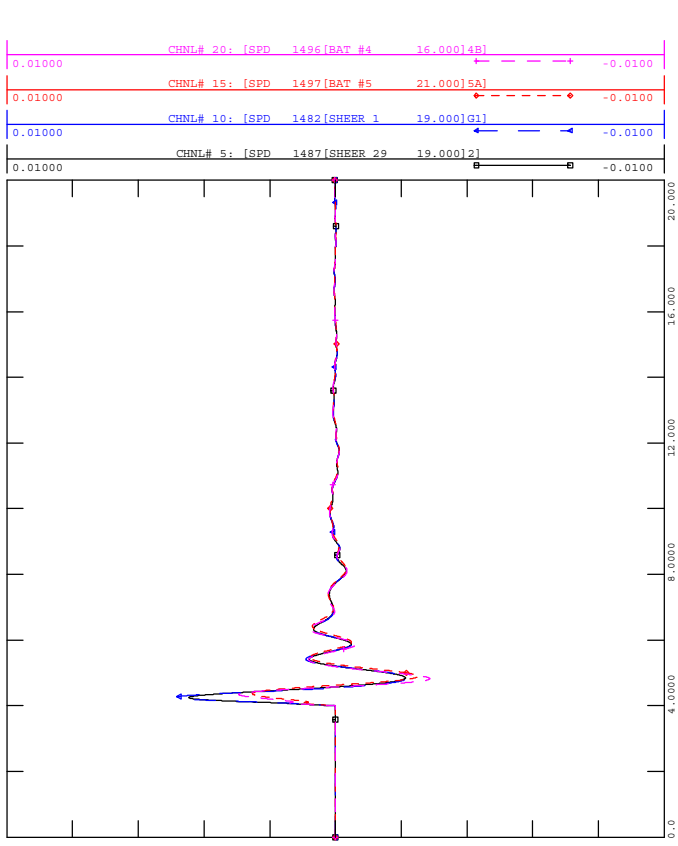


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:56

MACHINE SPEED

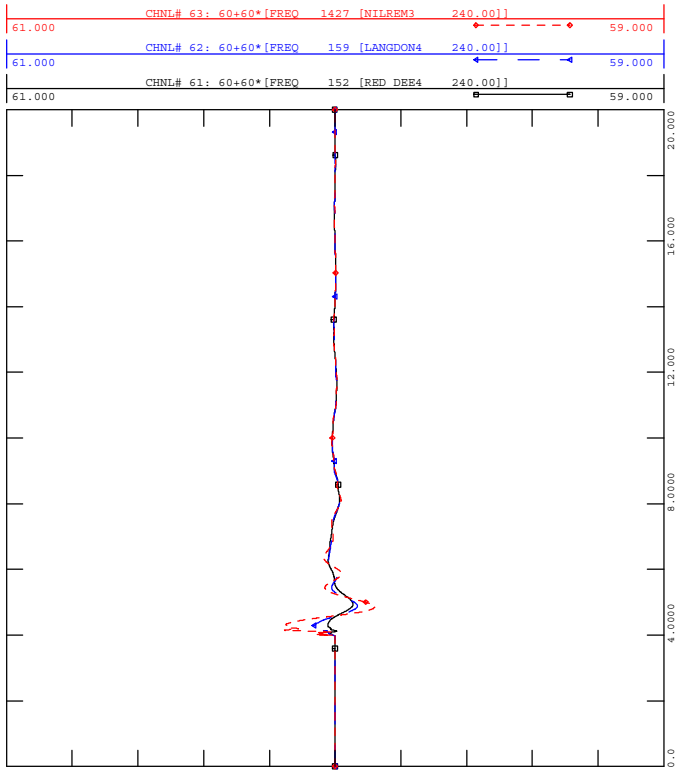


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:56

FREQUENCY

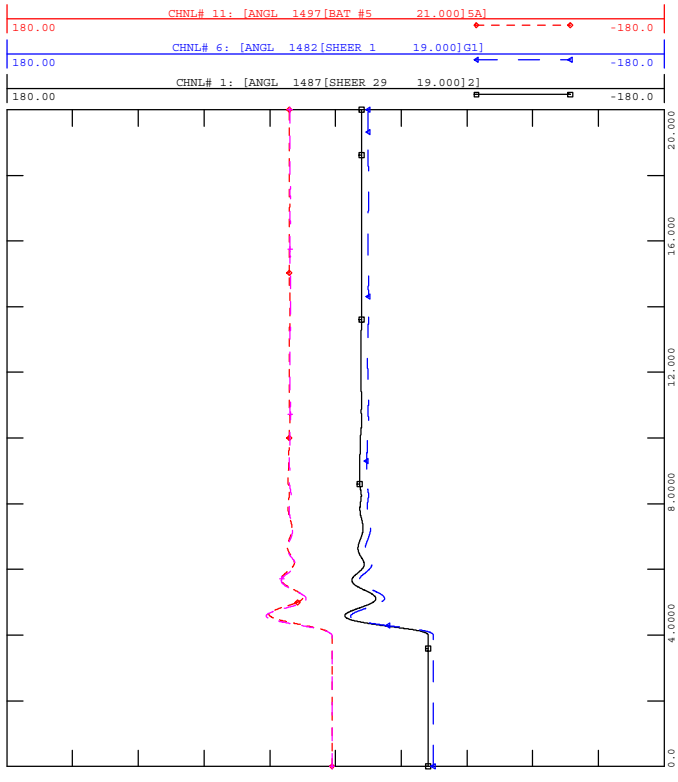


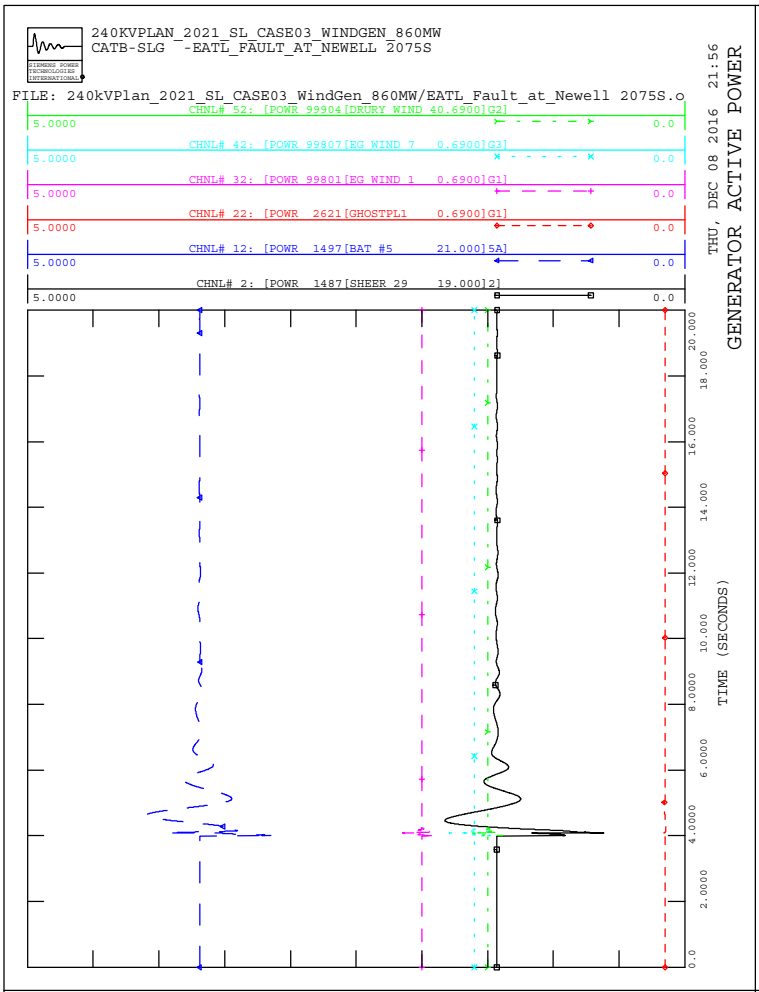
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

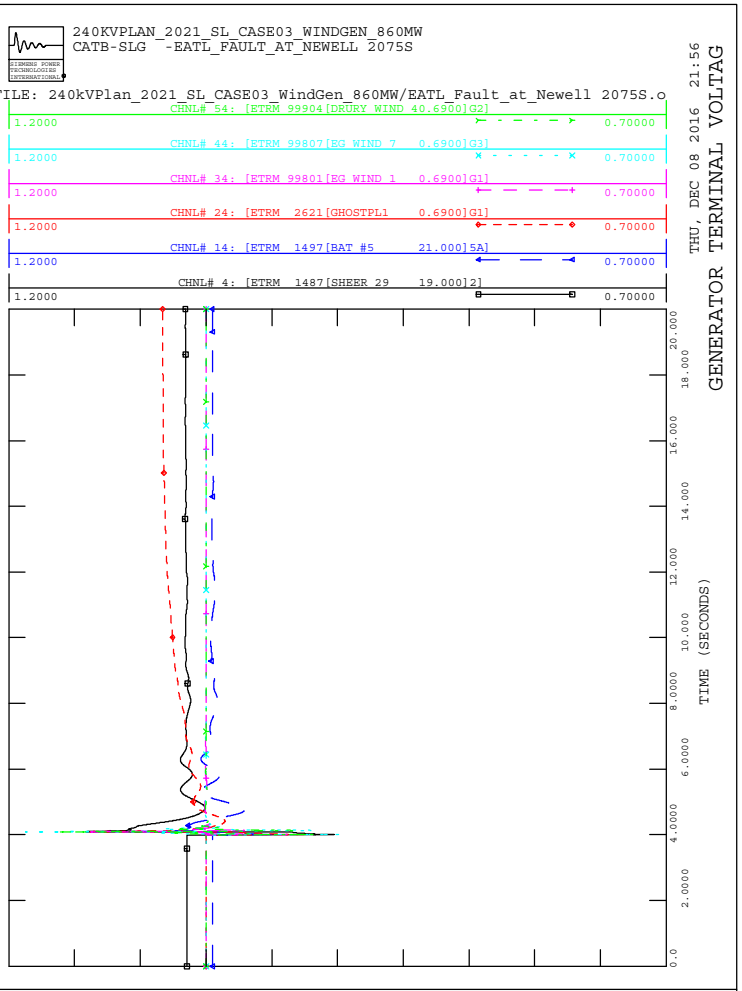
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:56

MACHINE ANGLE




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
THU, DEC 08 2016 21:56
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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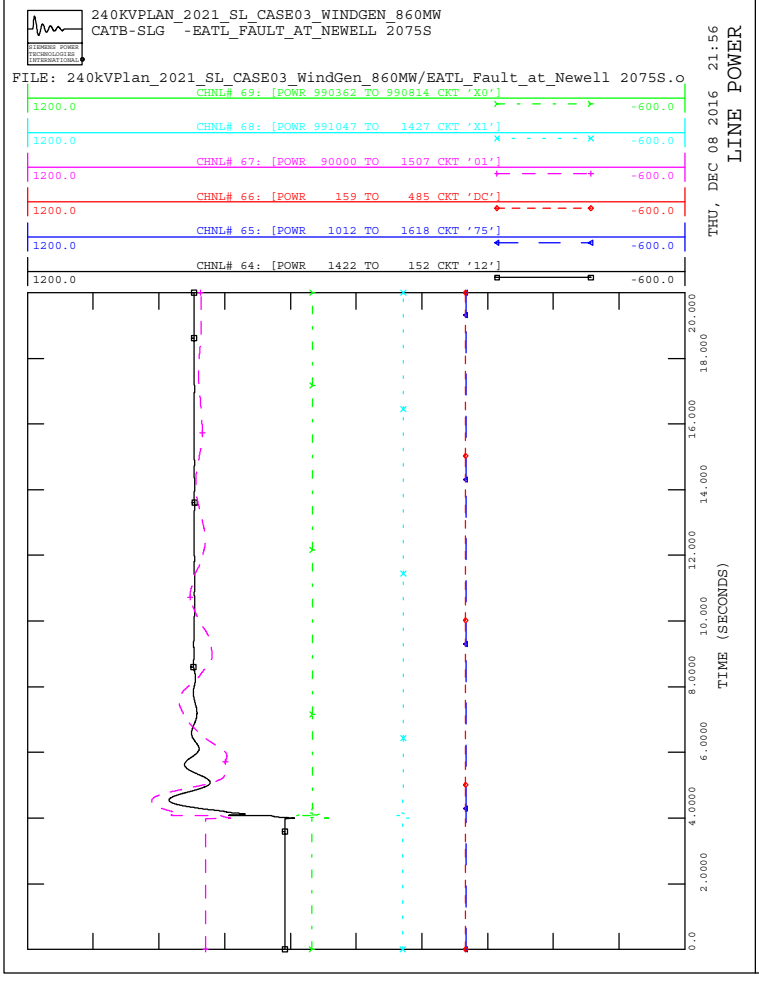
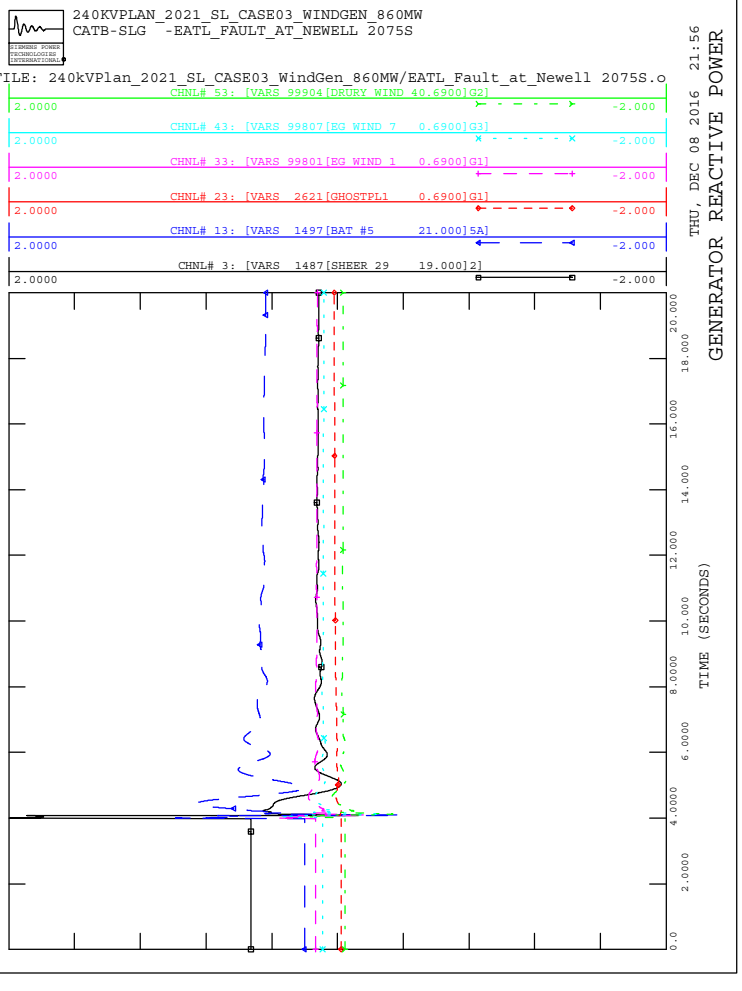
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
THU, DEC 08 2016 21:56
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
THU, DEC 08 2016 21:56
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/EATL_Fault_at_Newell 2075S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
THU, DEC 08 2016 21:56
GENERATOR REACTIVE POWER
TIME (SECONDS)

Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Winter Peak

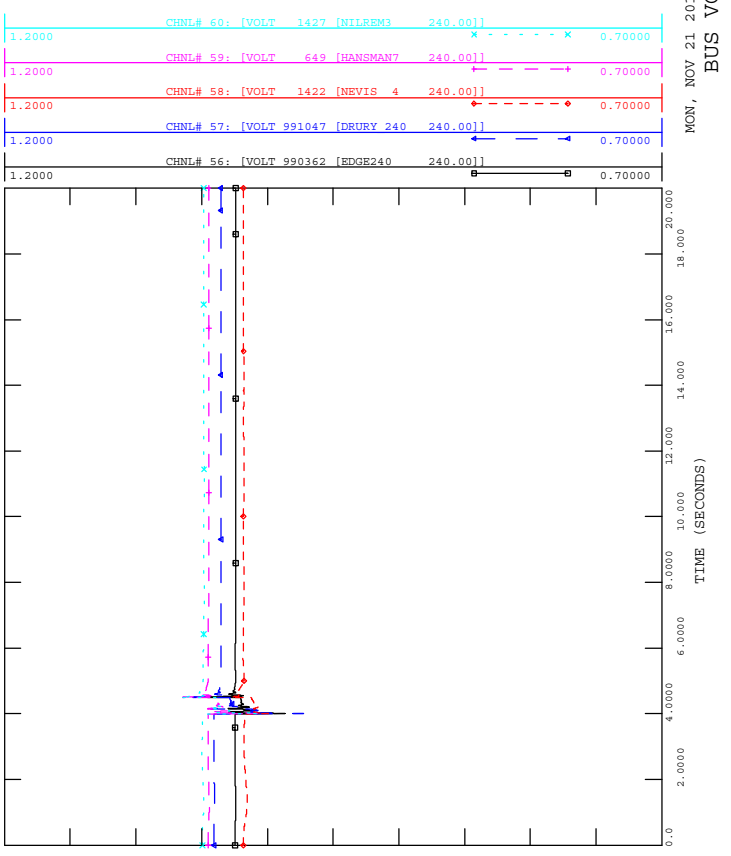
Category B (Single-line-to-ground Fault)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 12:57

BUS VOLTAGE

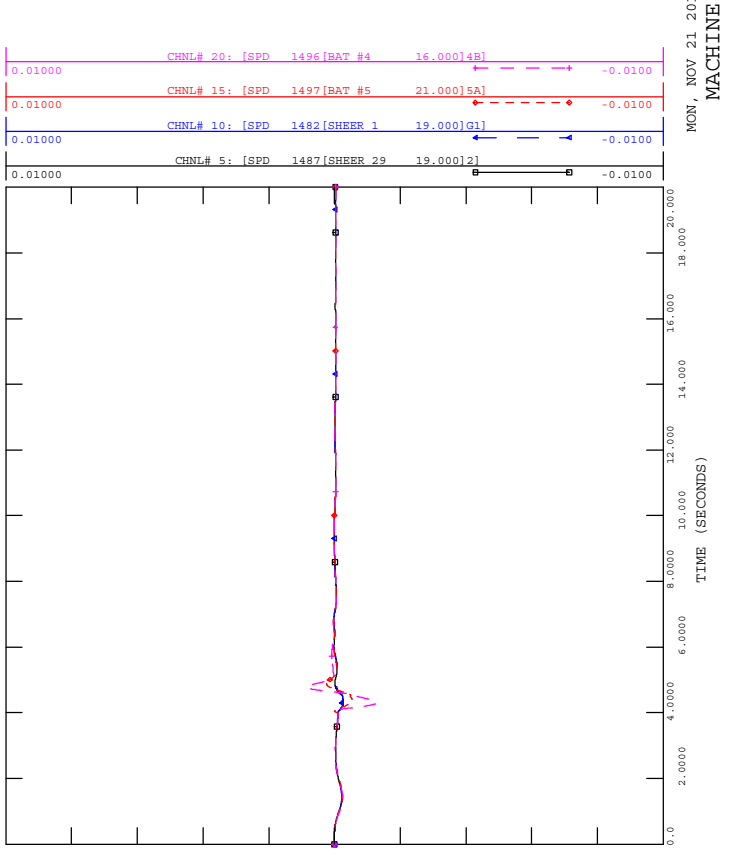


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 12:57

MACHINE SPEED

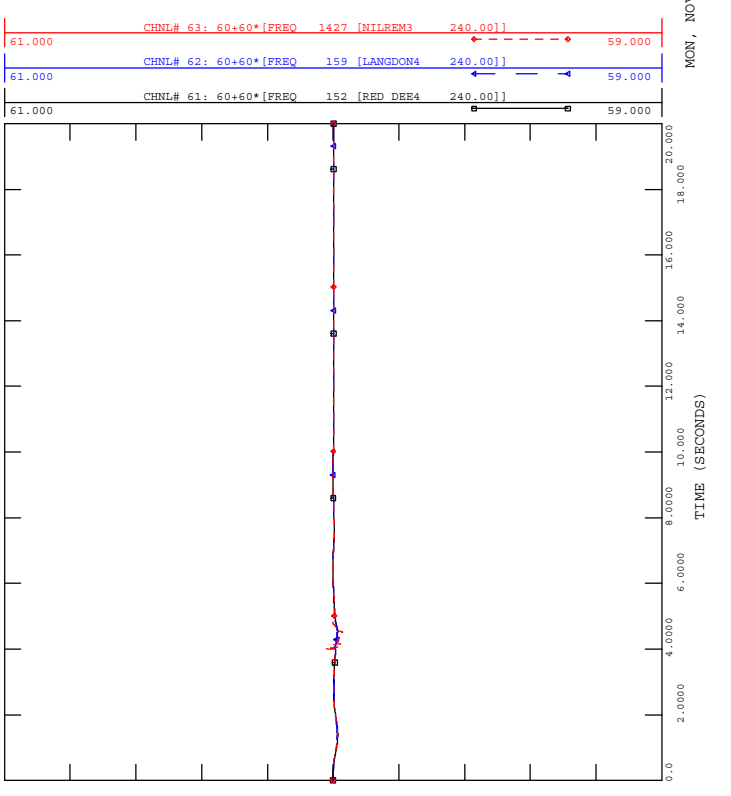


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 12:57

FREQUENCY

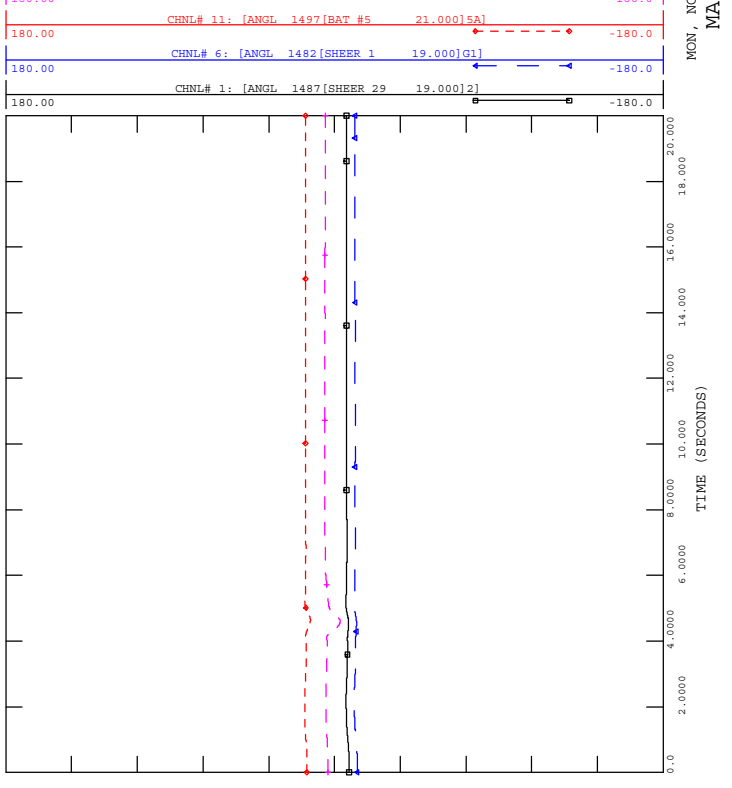


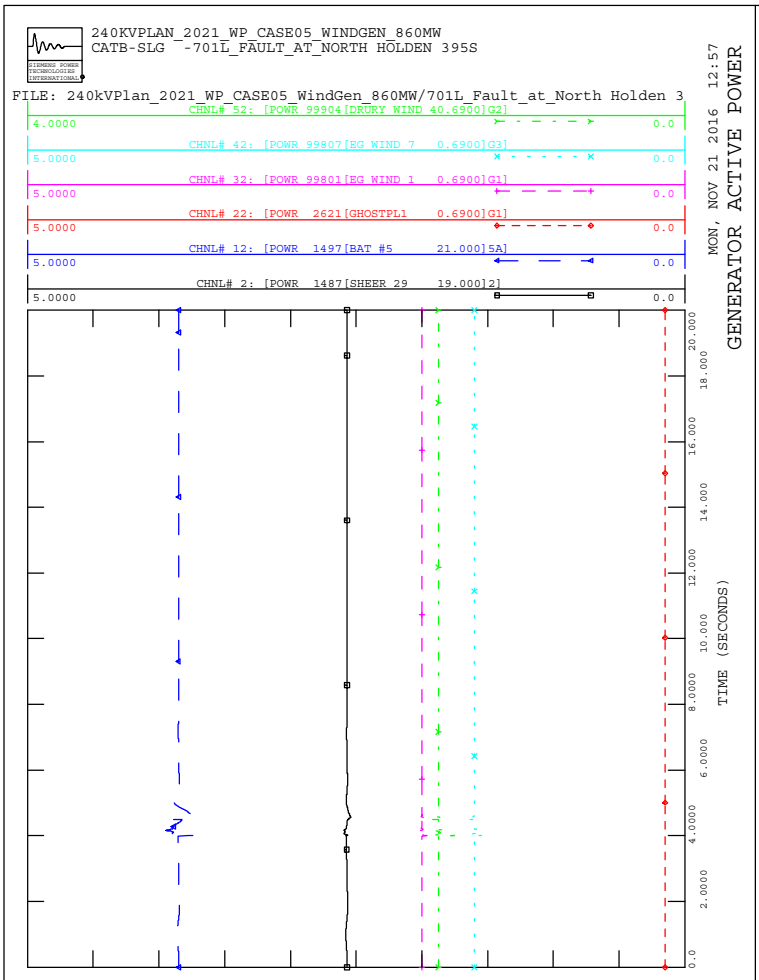
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3

MON, NOV 21 2016 12:57

MACHINE ANGEL

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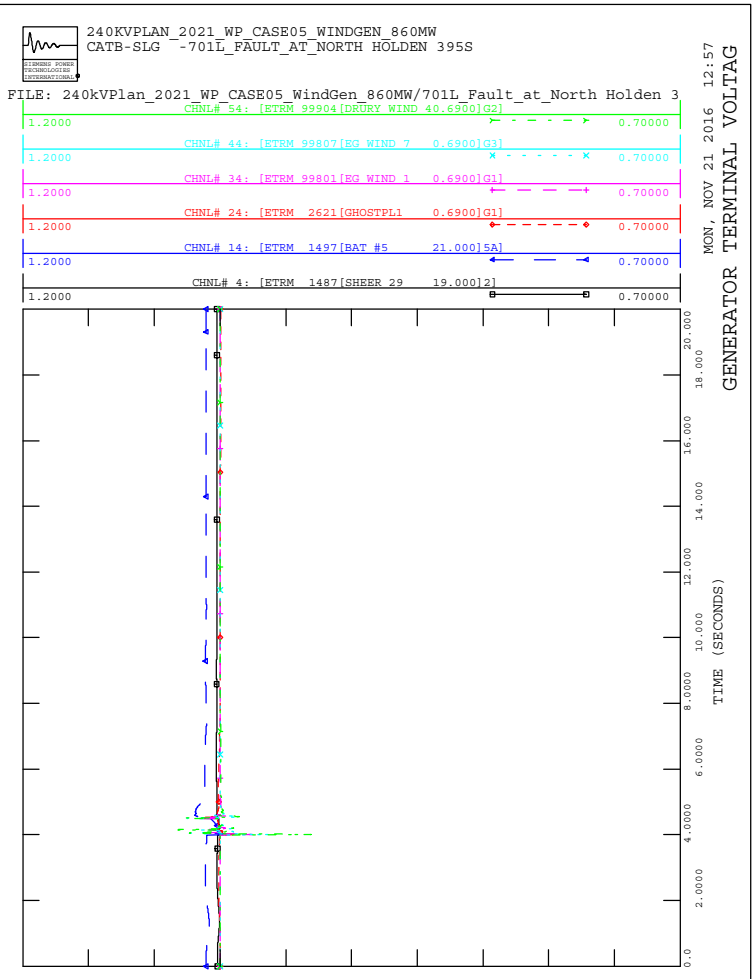
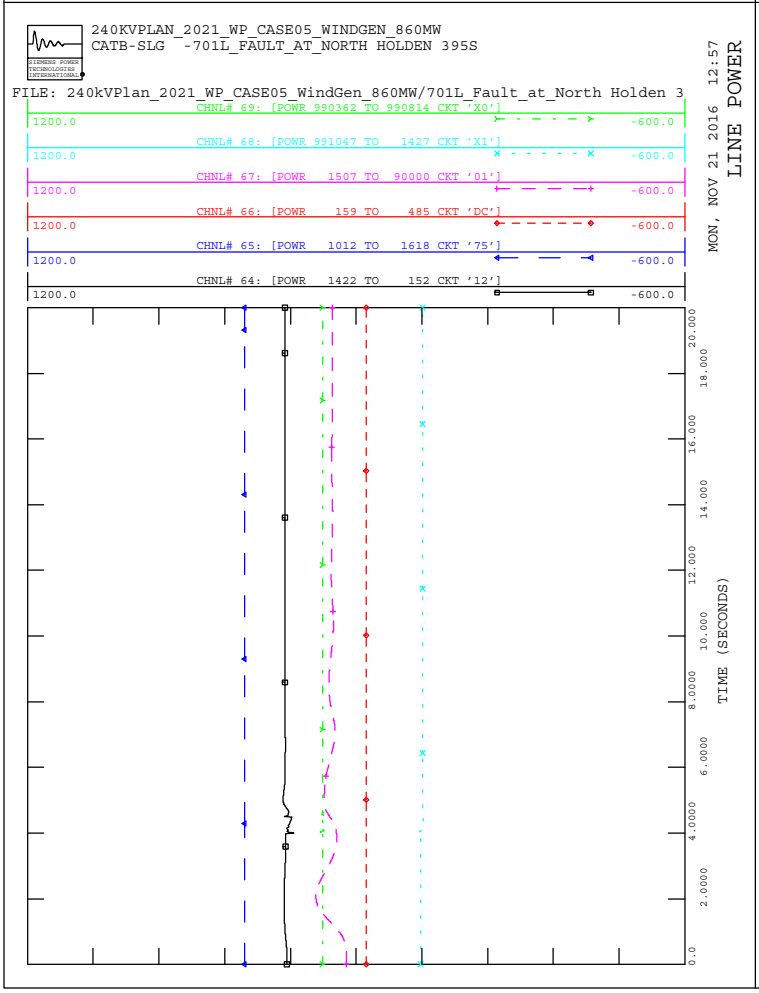
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57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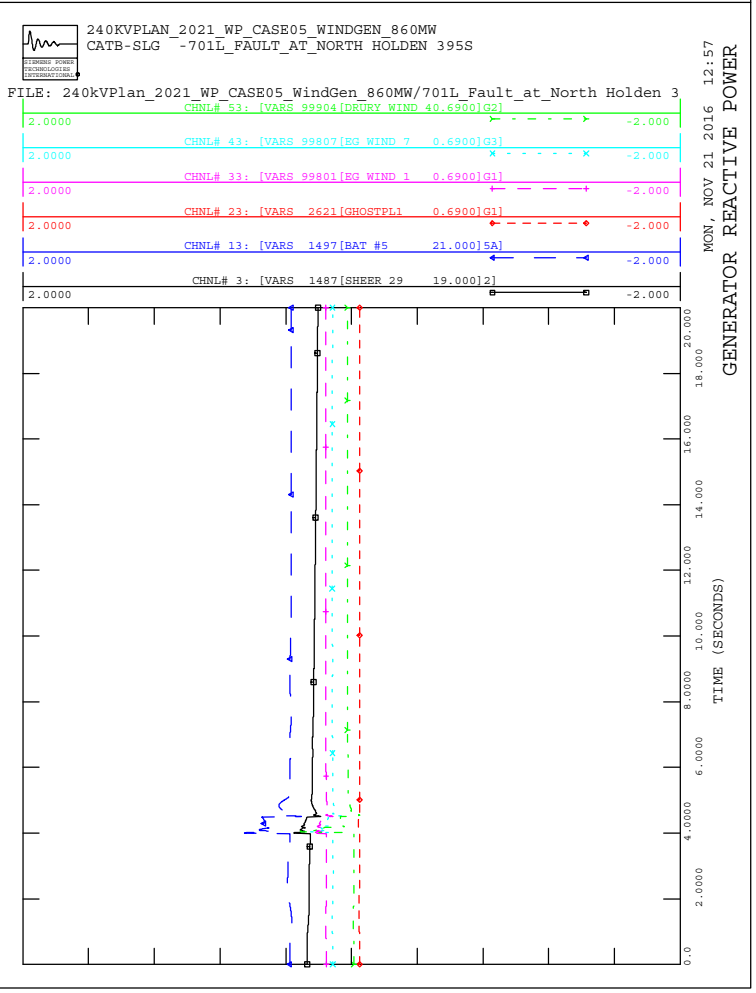
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_North Holden 3
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
LINE POWER
MON, NOV 21 2016 12:57


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_NORTH HOLDEN 395S
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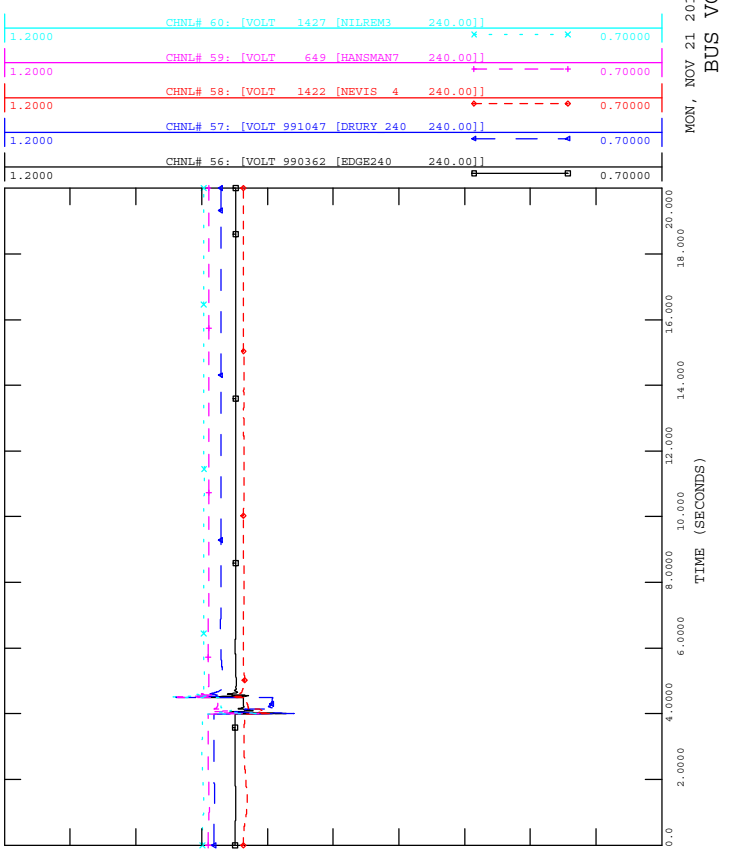
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou

MON, NOV 21 2016 12:57

BUS VOLTAGE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S

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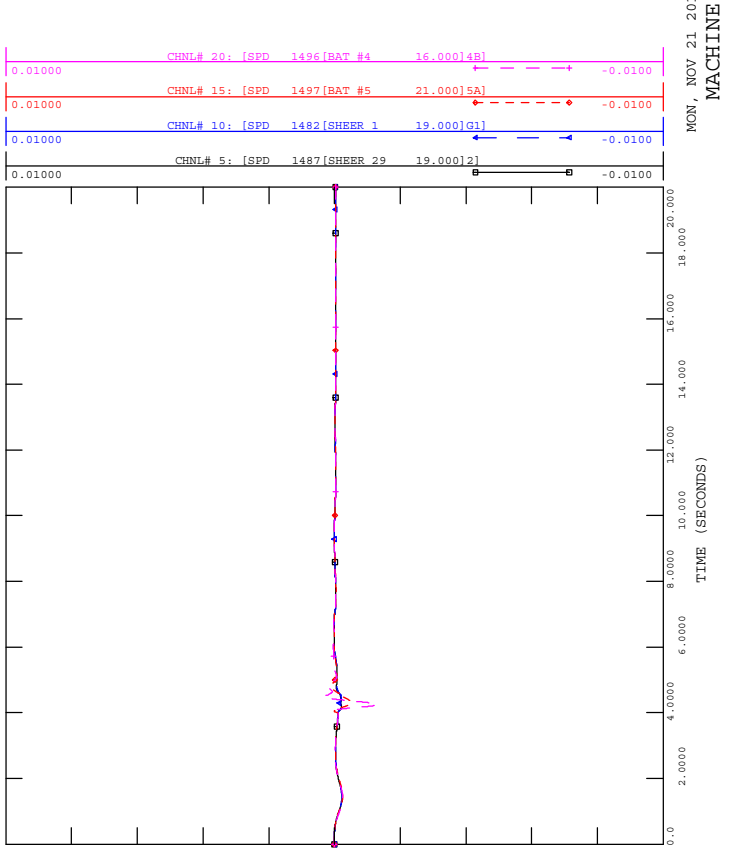
MON, NOV 21 2016 12:57

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou

MON, NOV 21 2016 12:57

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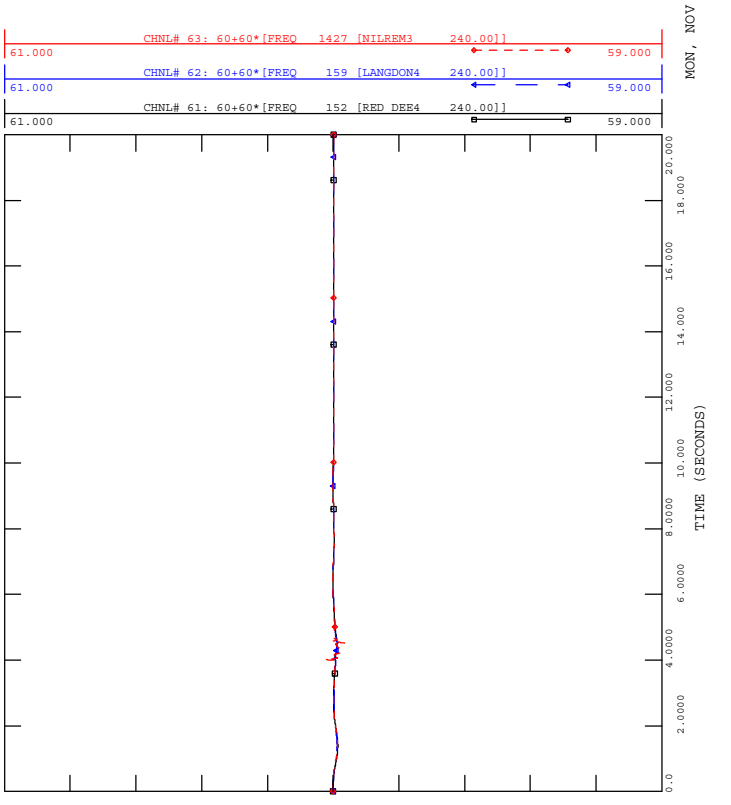
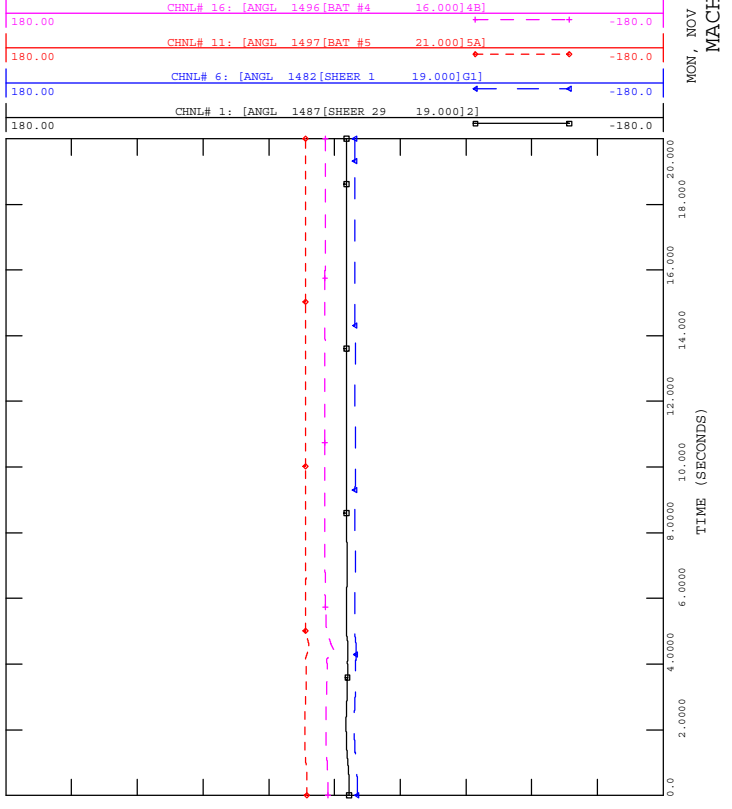


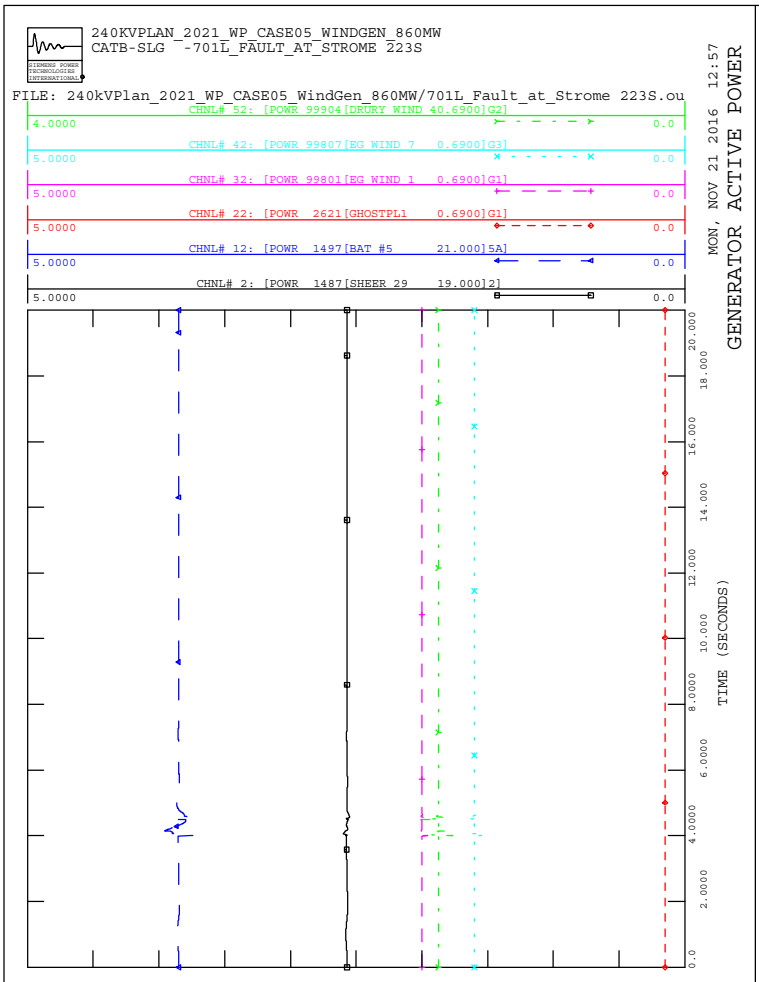
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S

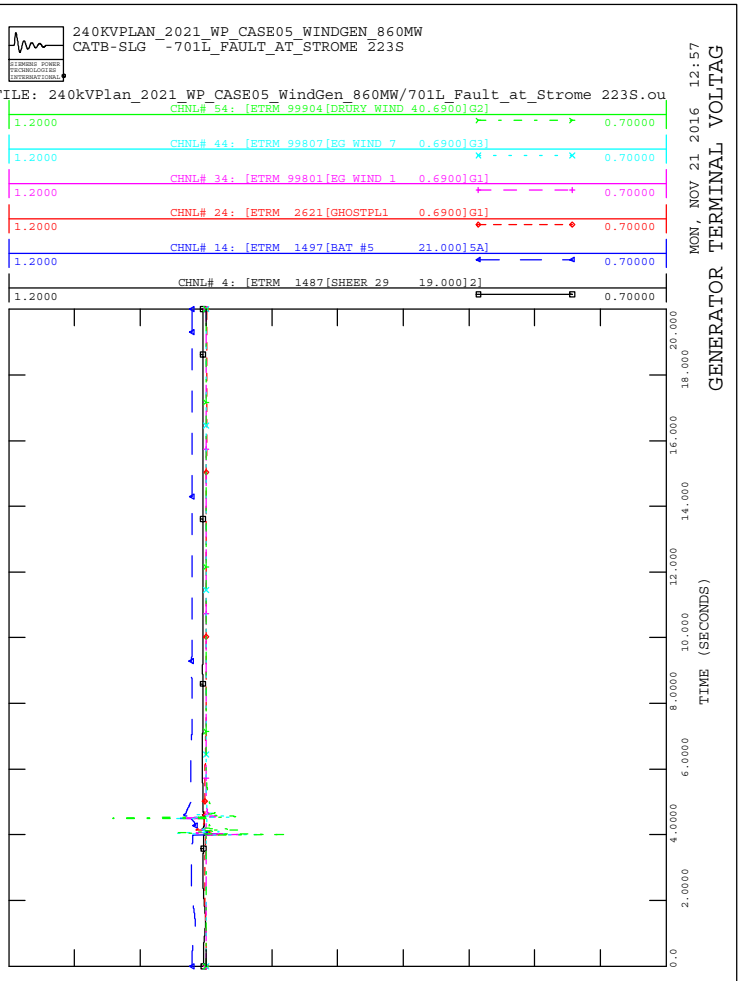
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou

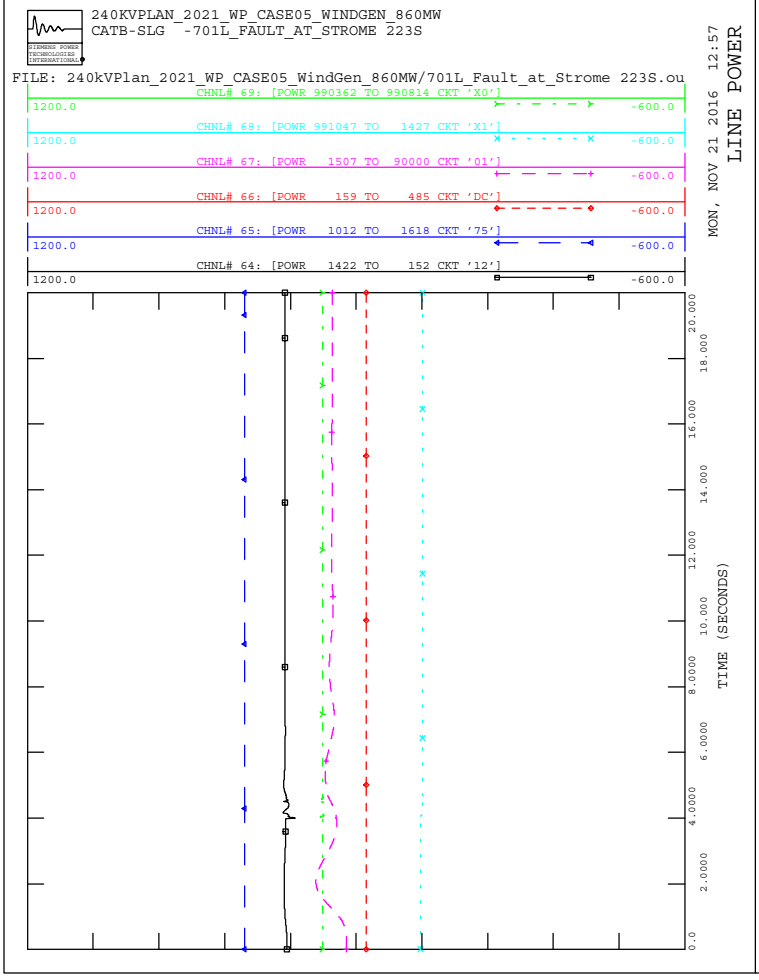
MON, NOV 21 2016 12:57

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)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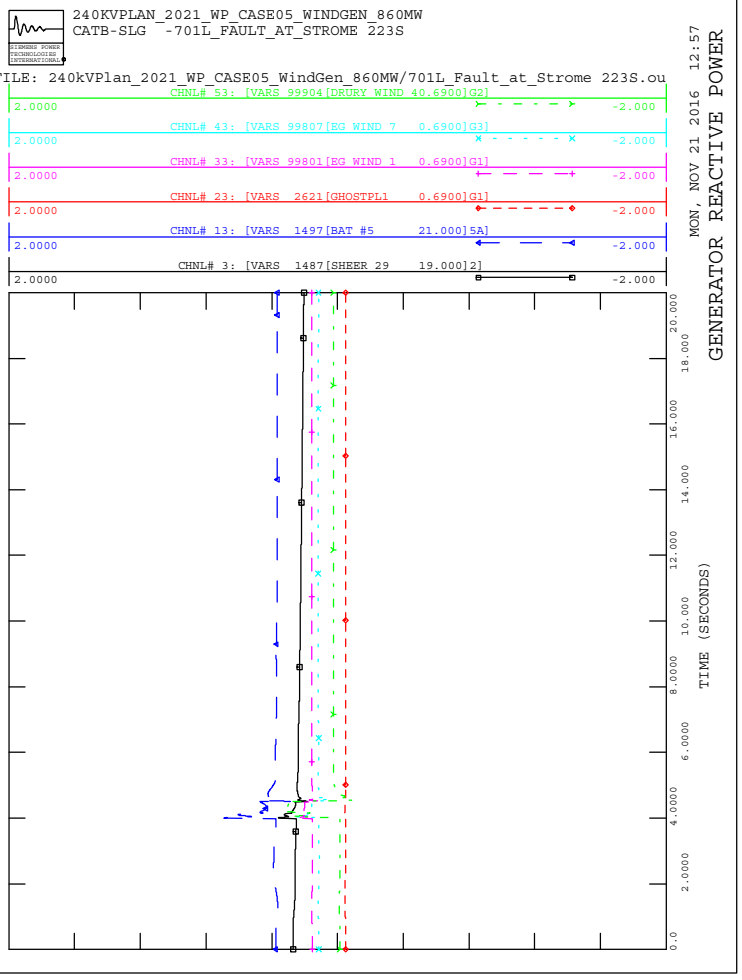
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)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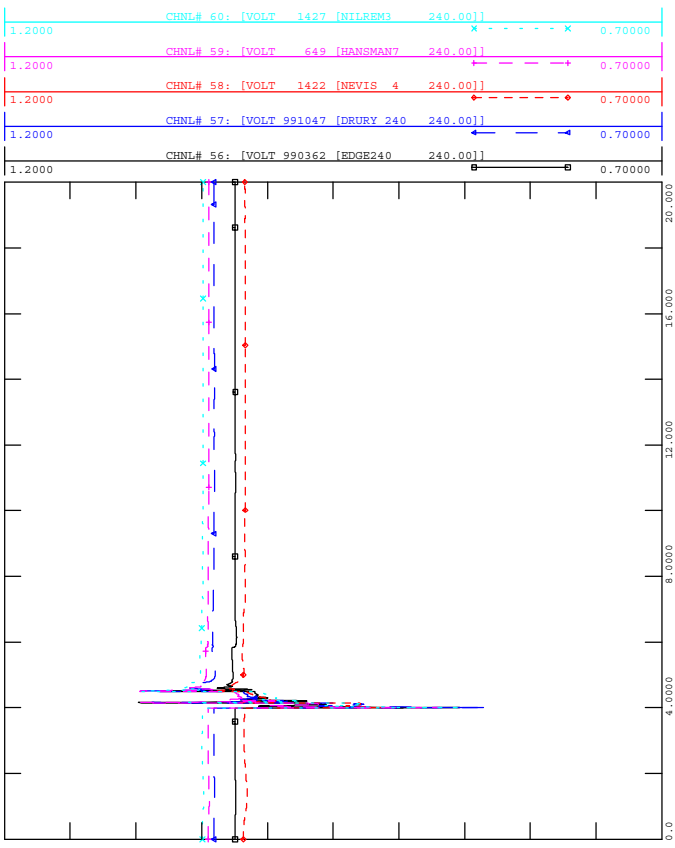
CATB-SLG -701L_FAULT_AT_STROME 223S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_Fault_at_Strome 223S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7

MON, NOV 21 2016 12:57

BUS VOLTAGE

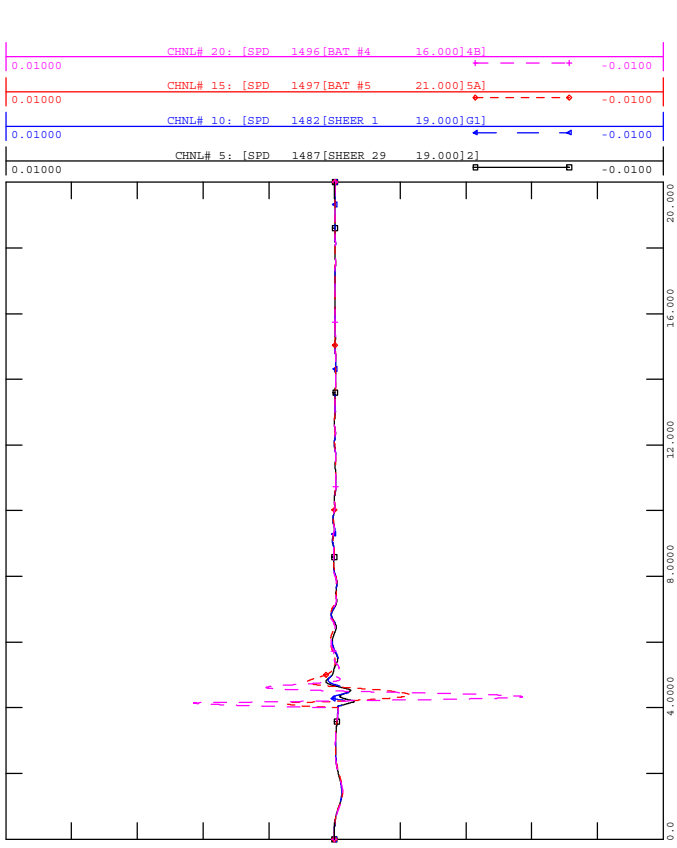


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7

MON, NOV 21 2016 12:57

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7

MON, NOV 21 2016 12:57

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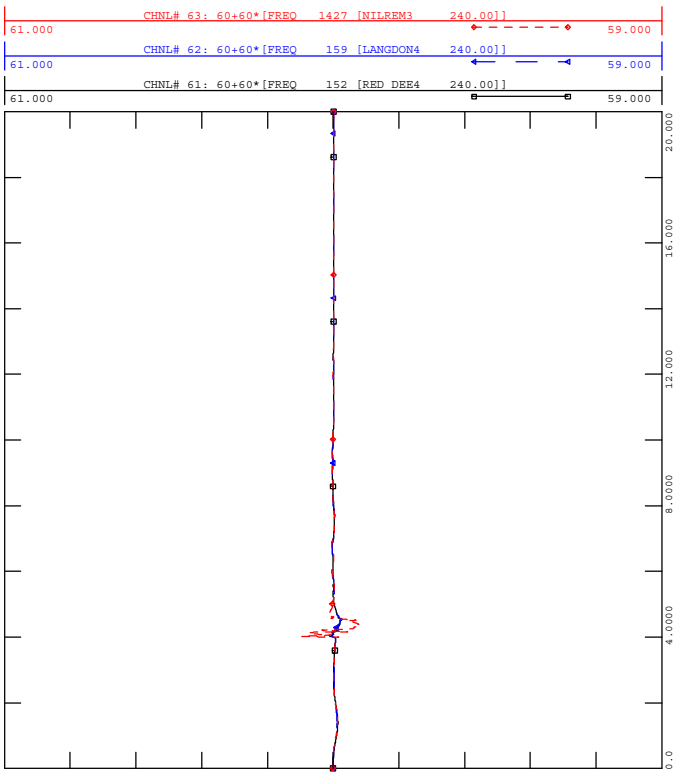
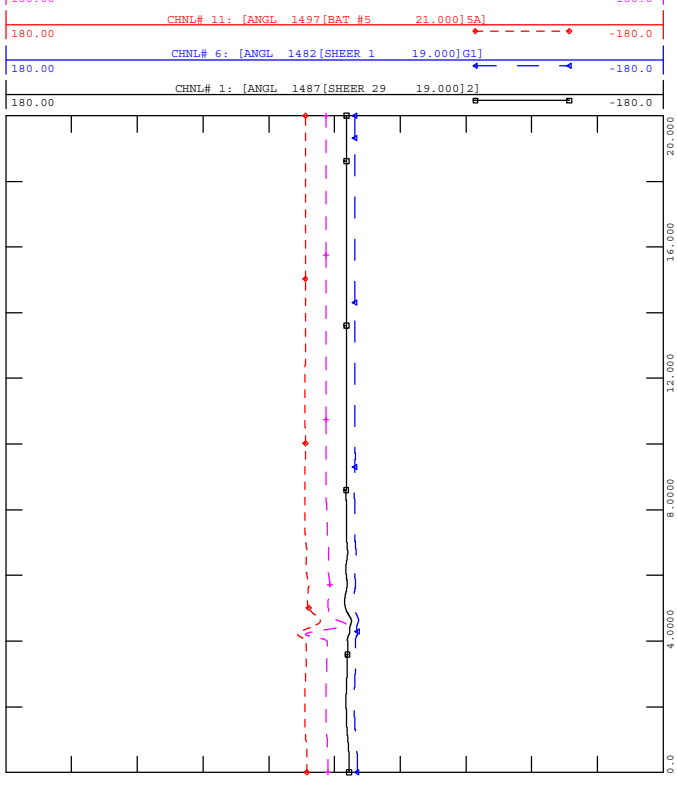


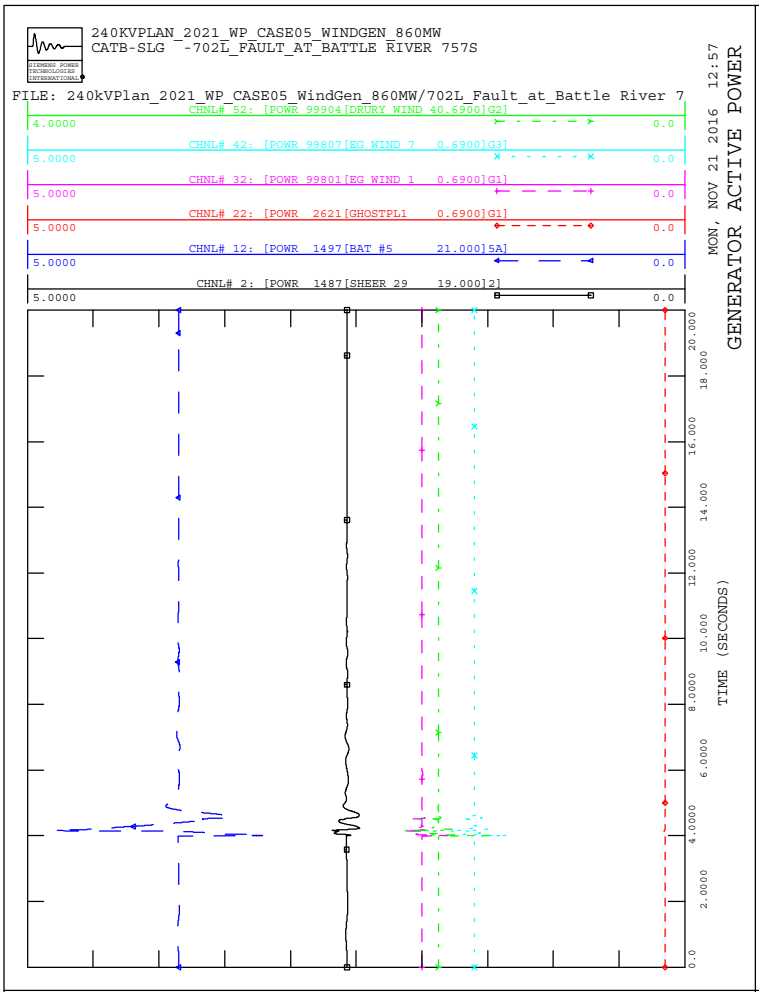
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S

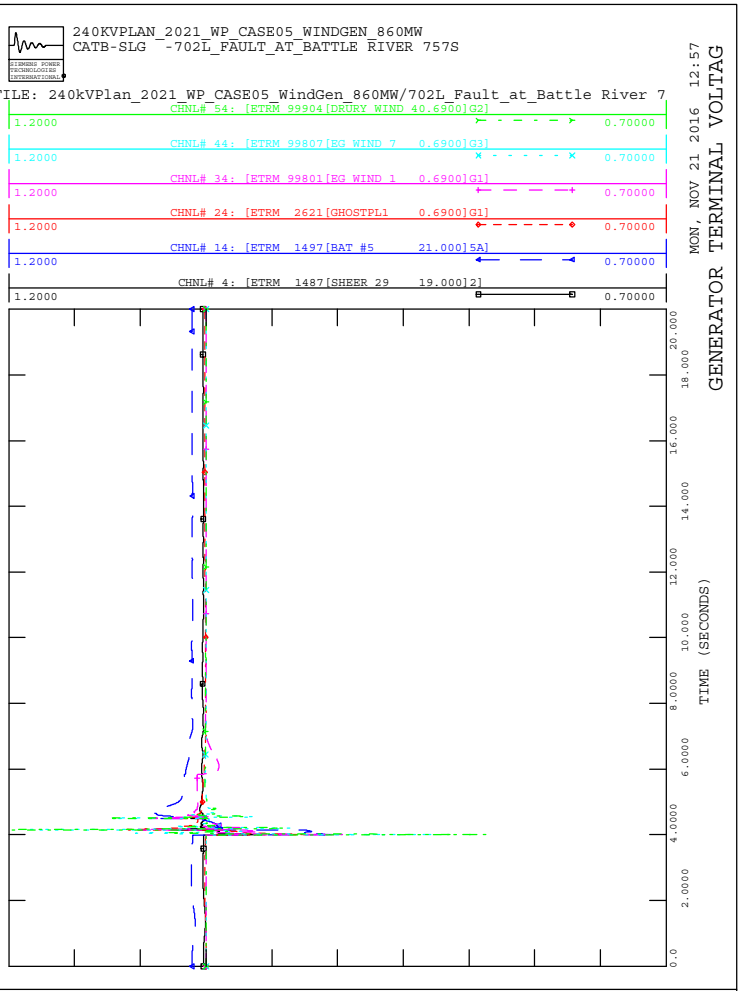
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7

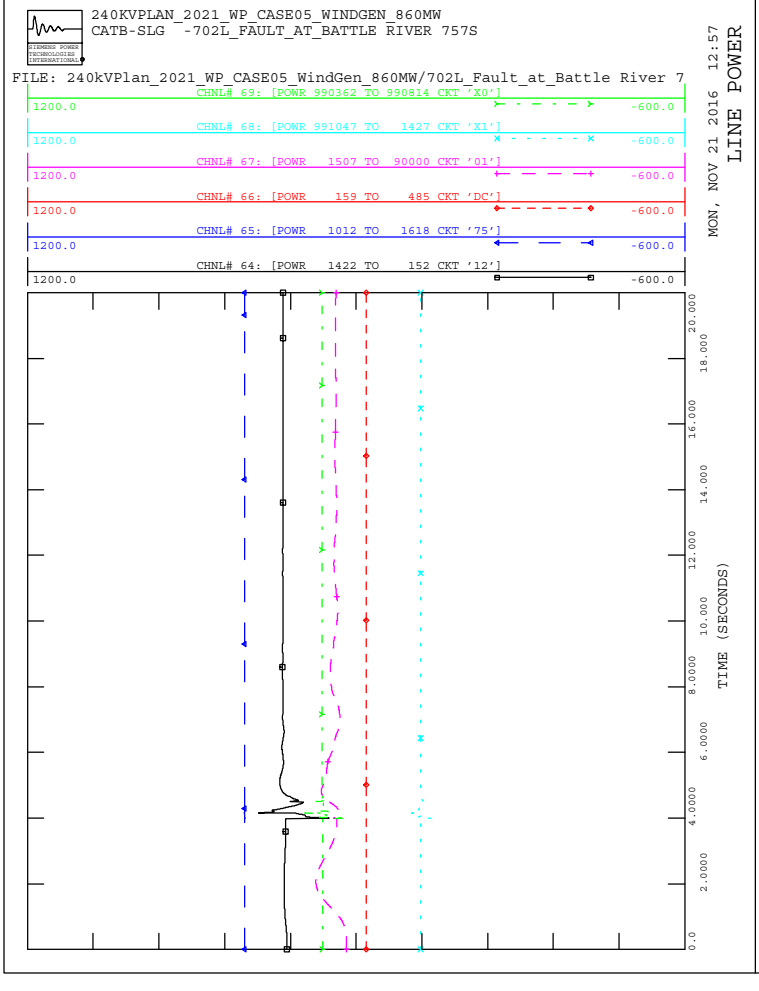
MON, NOV 21 2016 12:57

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)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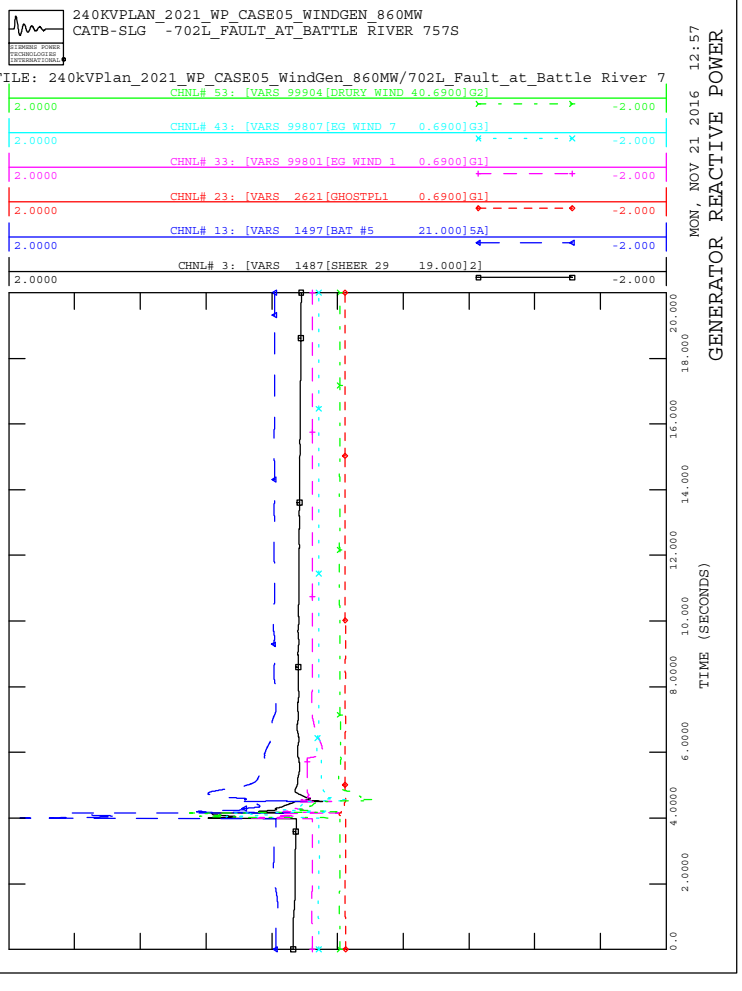
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:57
LINE POWER
TIME (SECONDS)

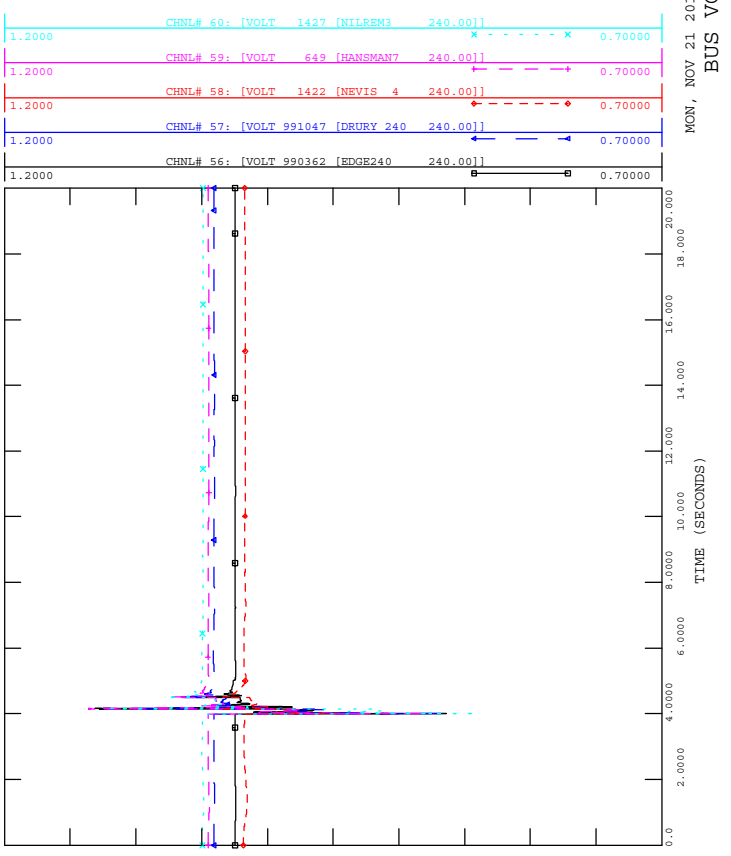

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 12:57

BUS VOLTAGE

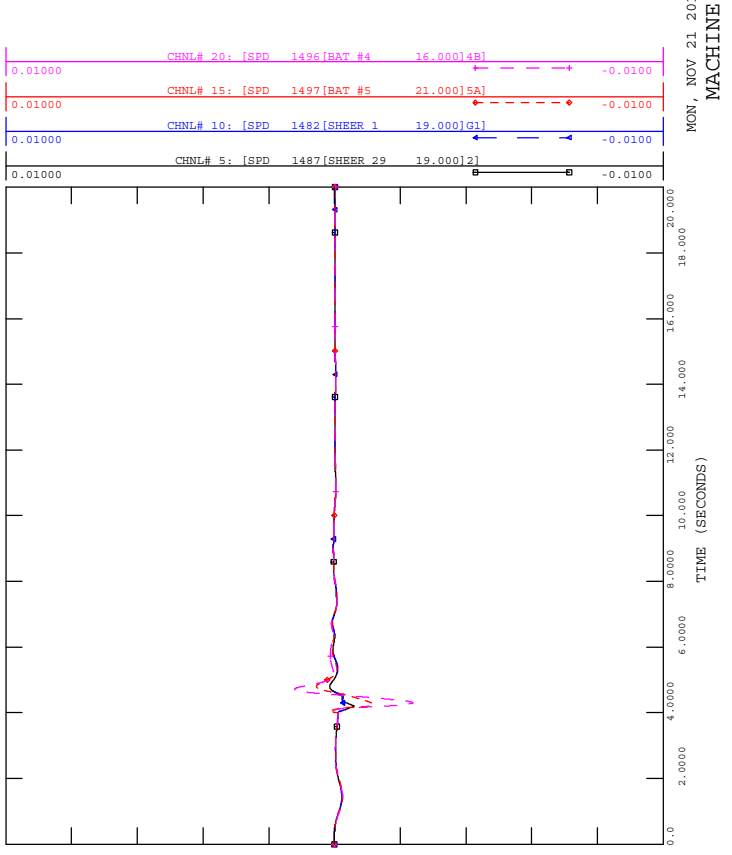


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 12:57

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

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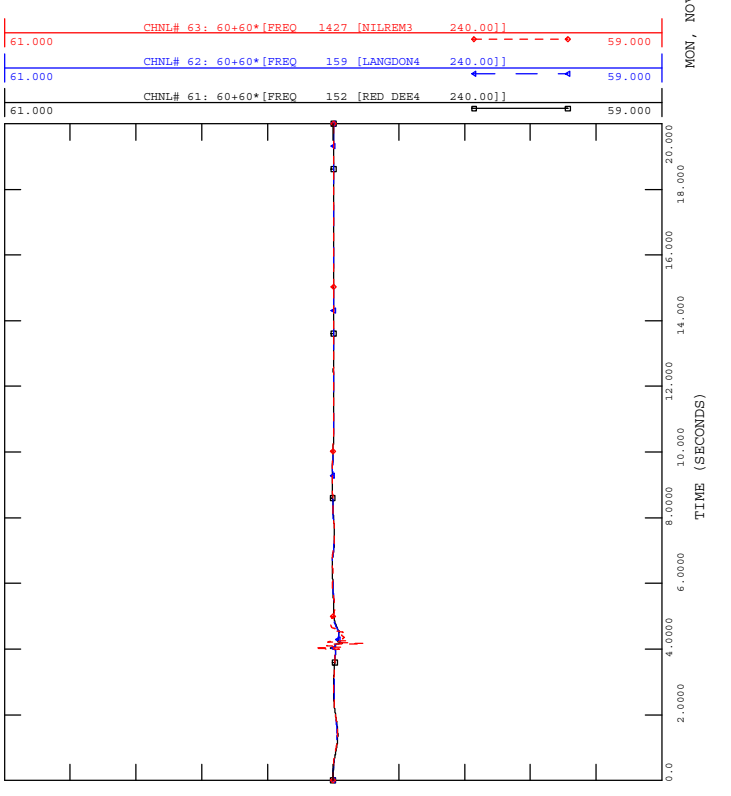
MON, NOV 21 2016 12:57

FREQUENCY

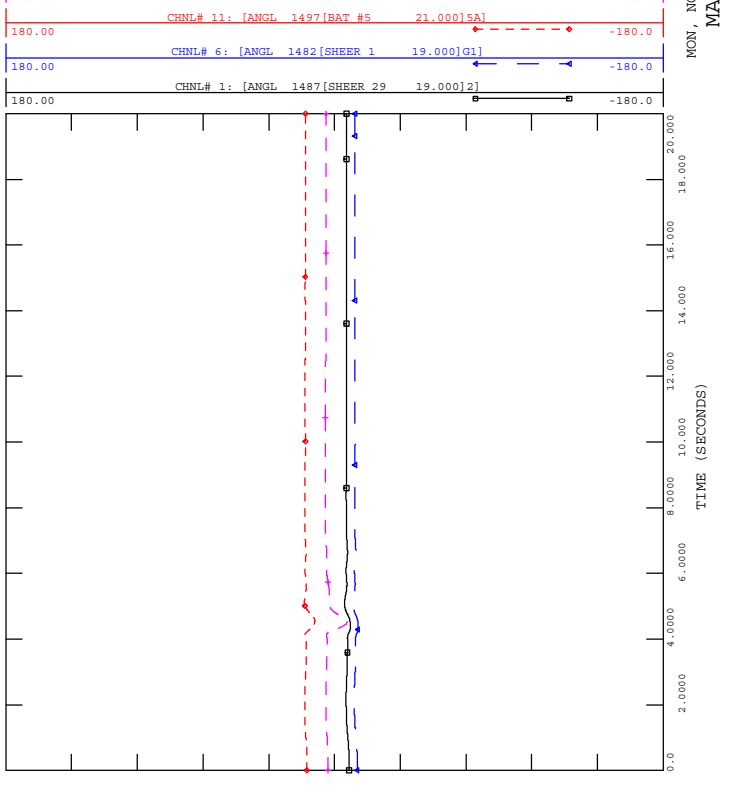


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.

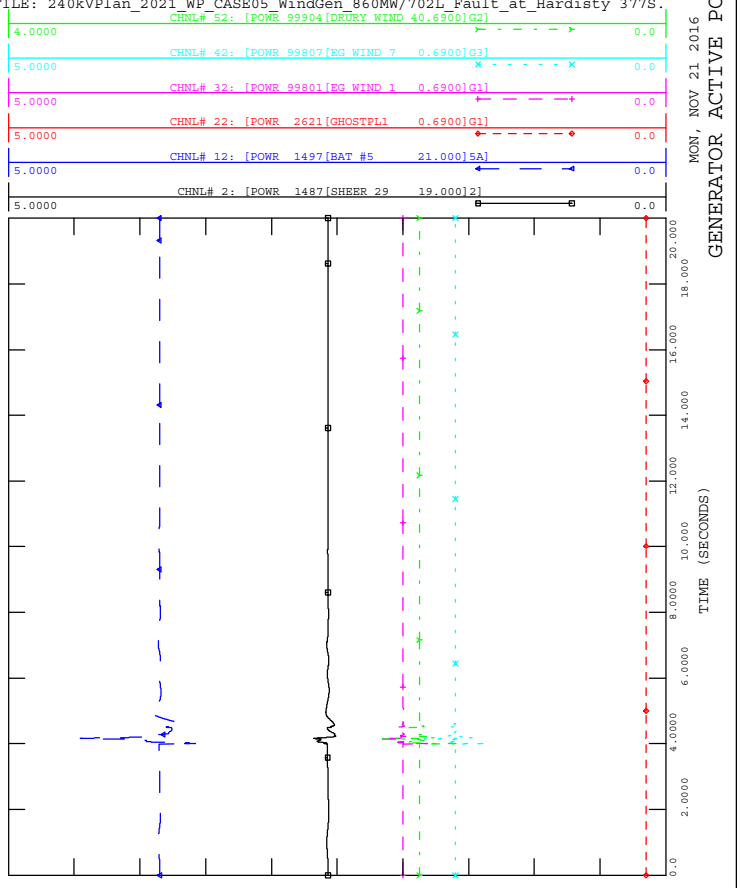
MON, NOV 21 2016 12:57

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

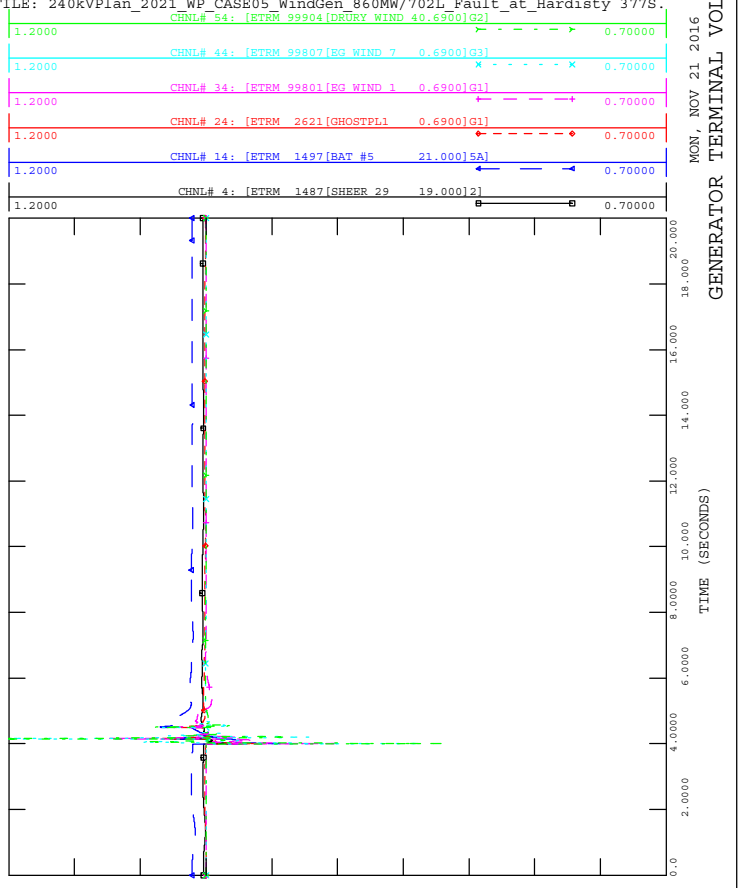
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

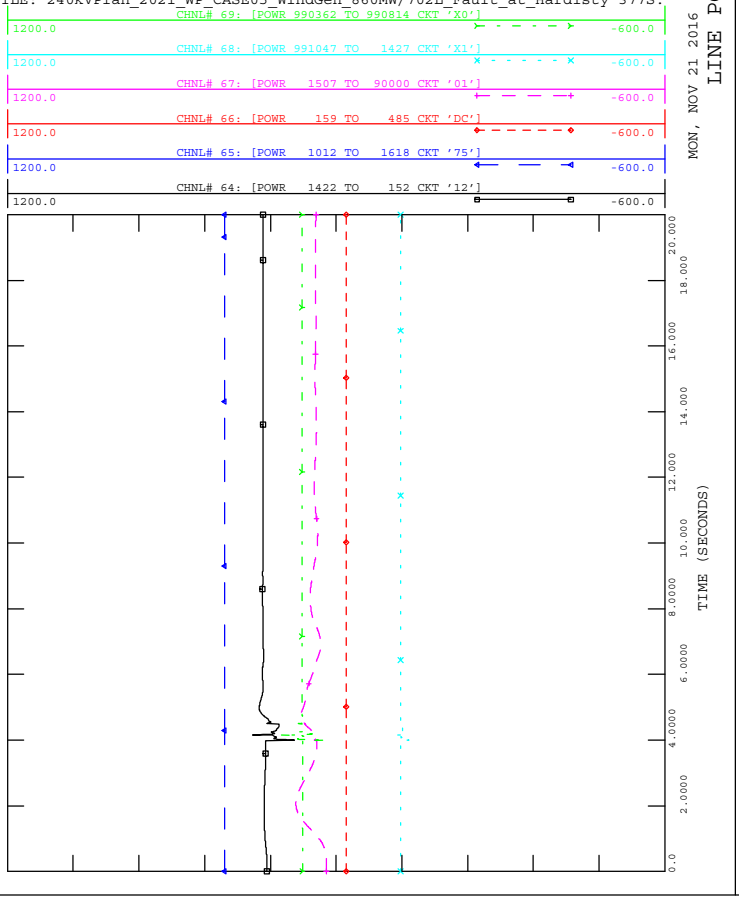
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

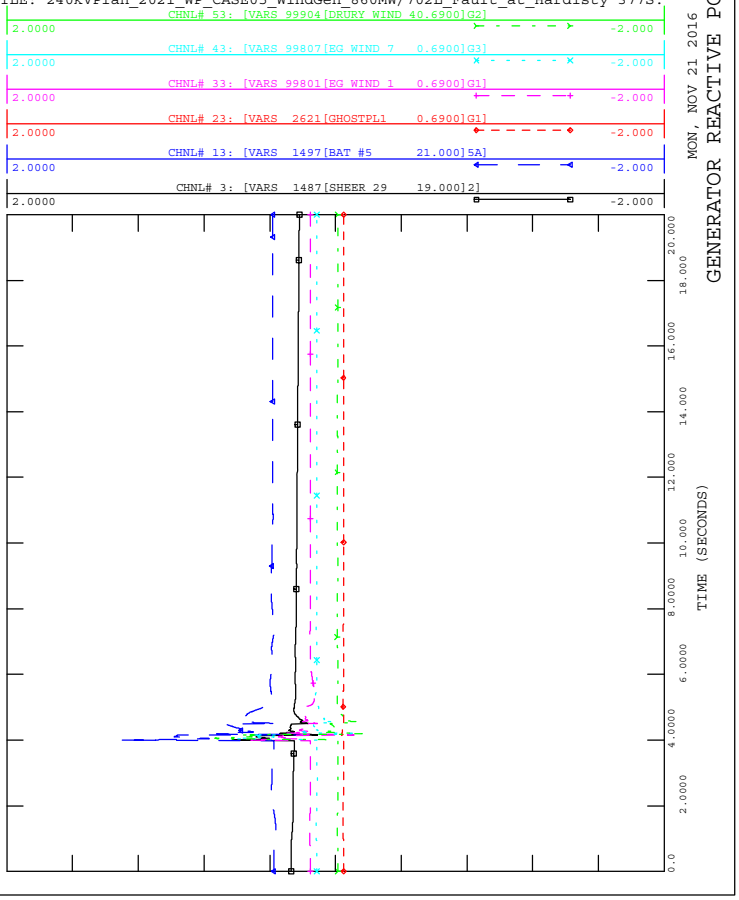
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.



LINE POWER
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -702L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_Fault_at_Hardisty 377S.



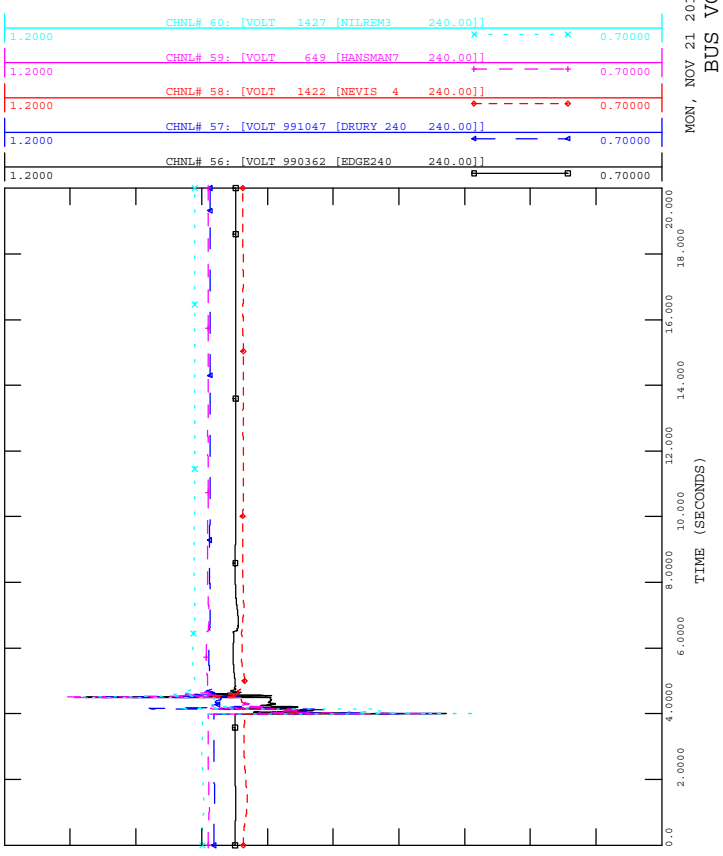
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 12:57

BUS VOLTAGE

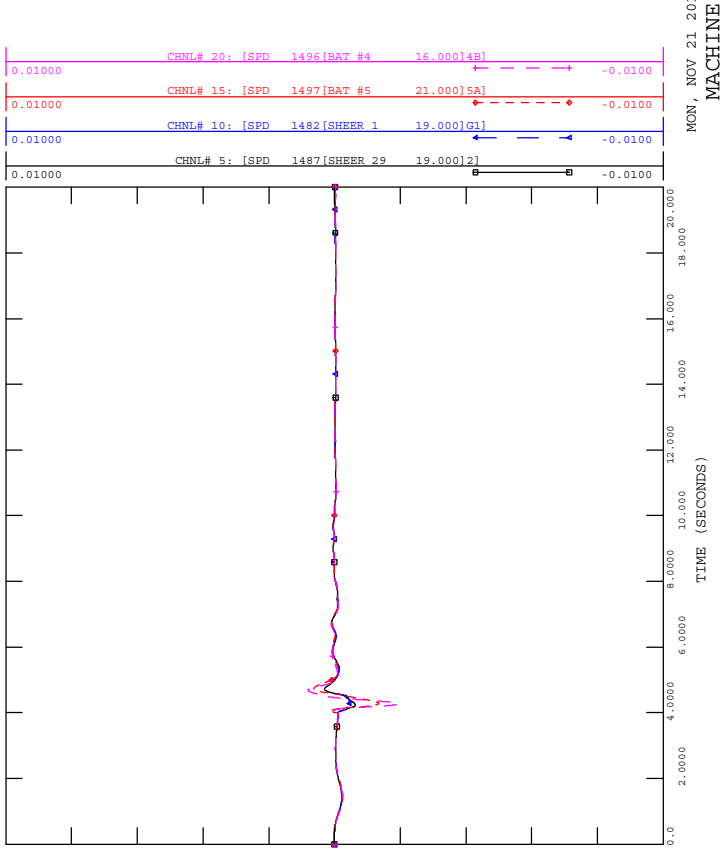


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 12:57

MACHINE SPEED

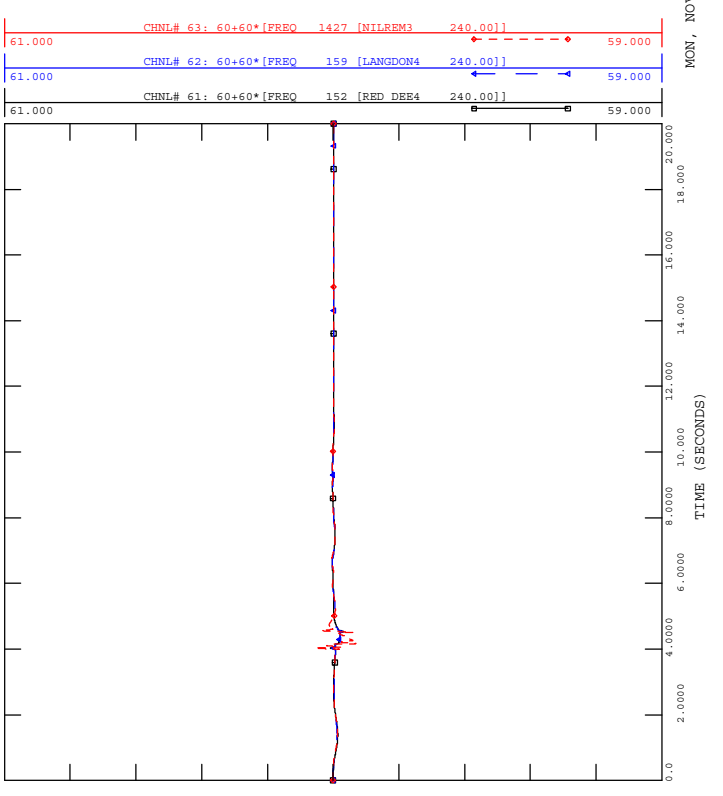


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.

MON, NOV 21 2016 12:57

FREQUENCY

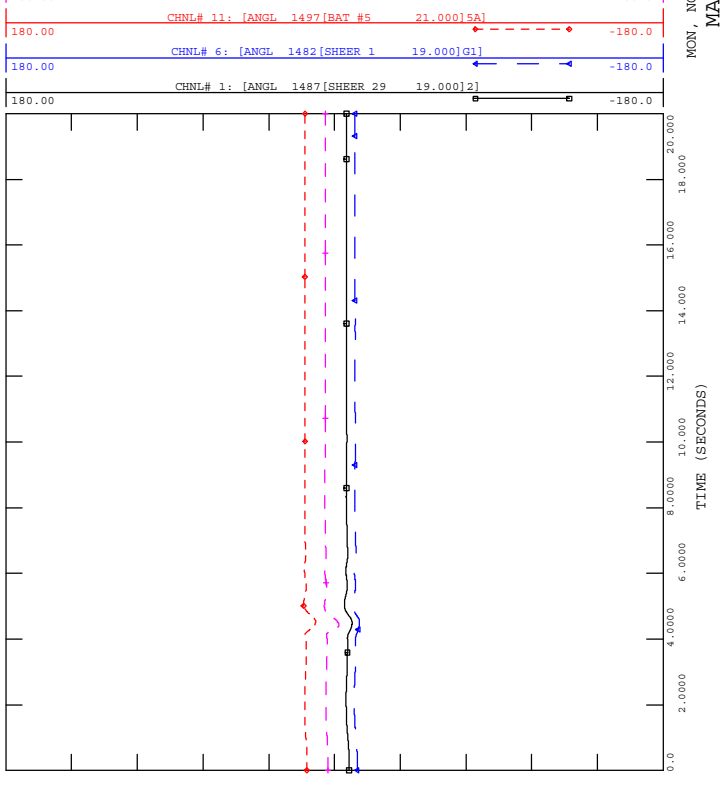


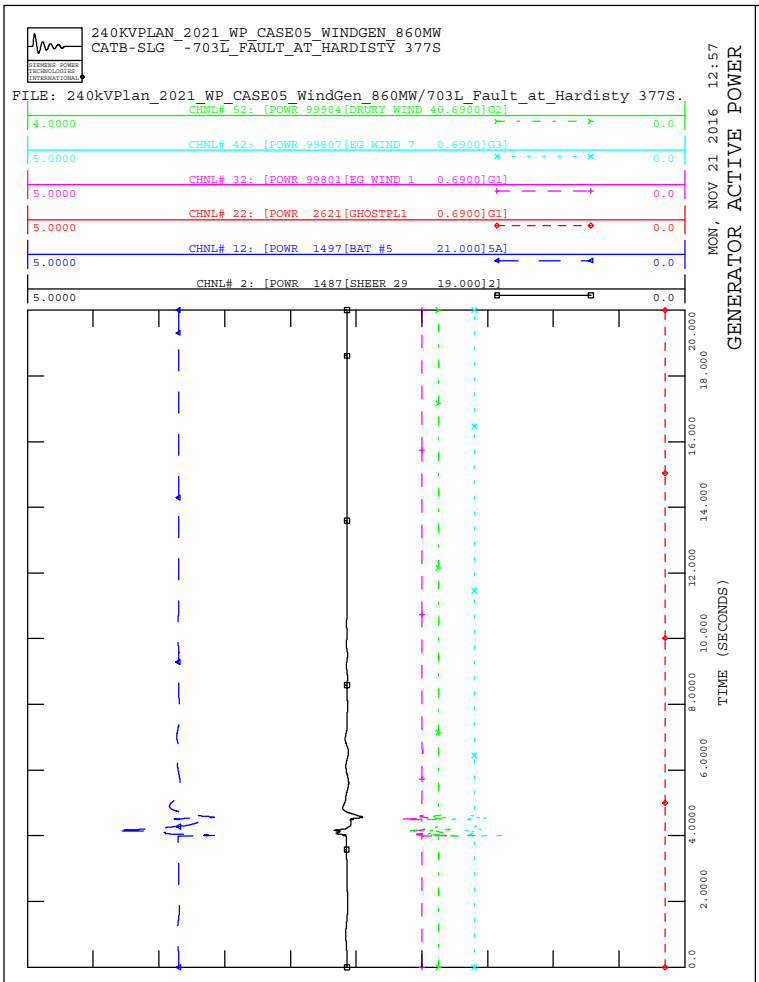
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S

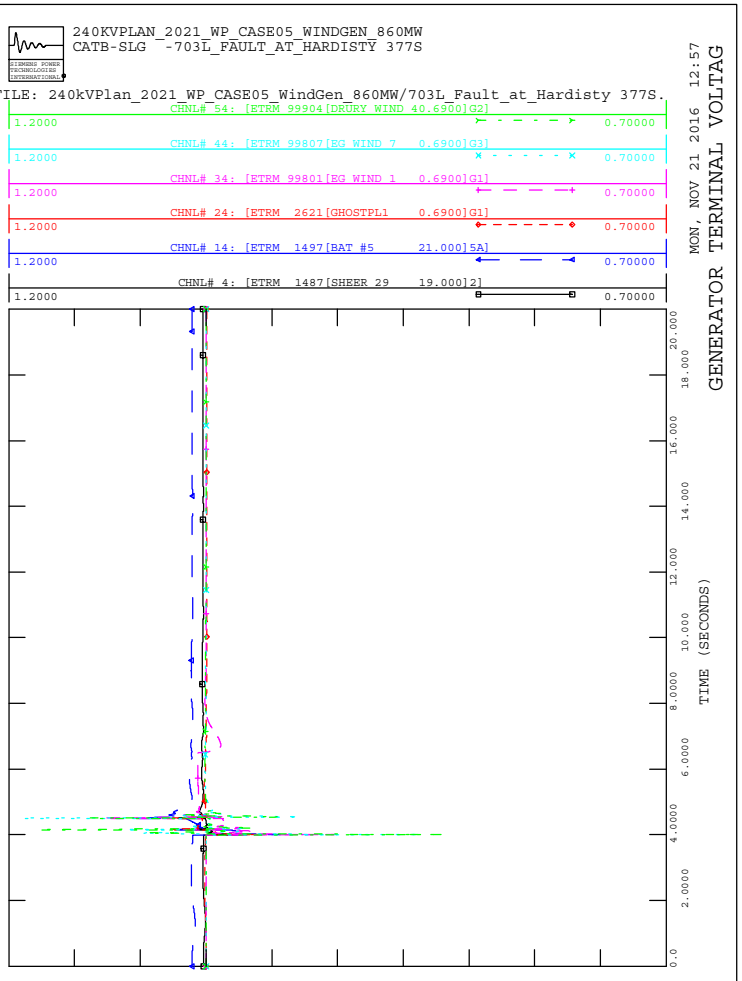
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.

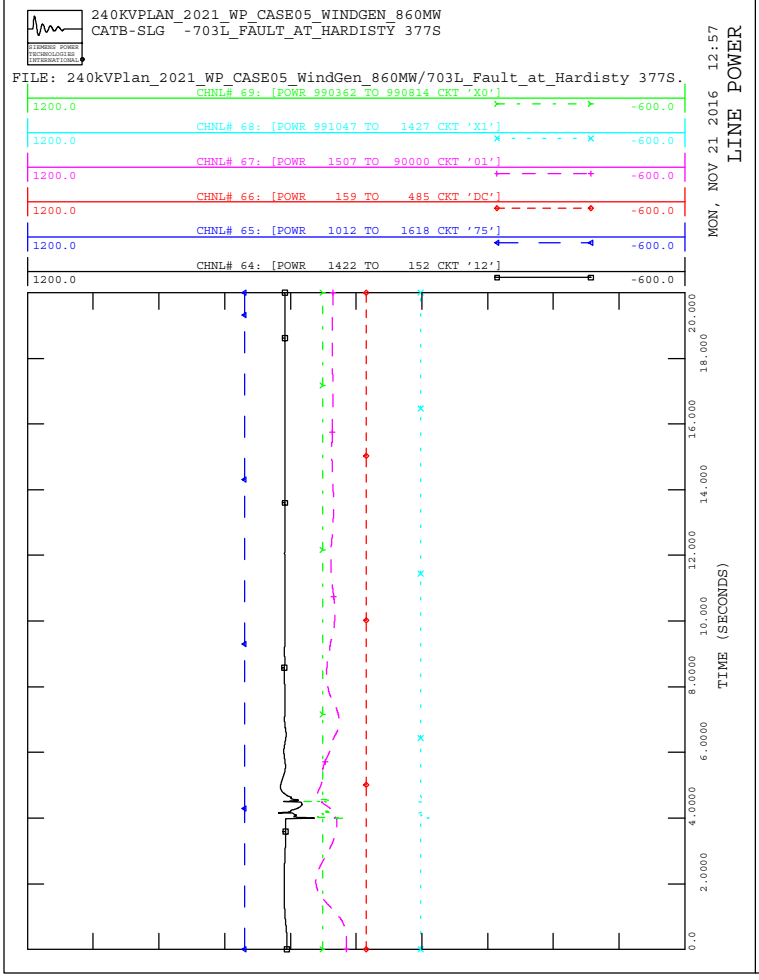
MON, NOV 21 2016 12:57

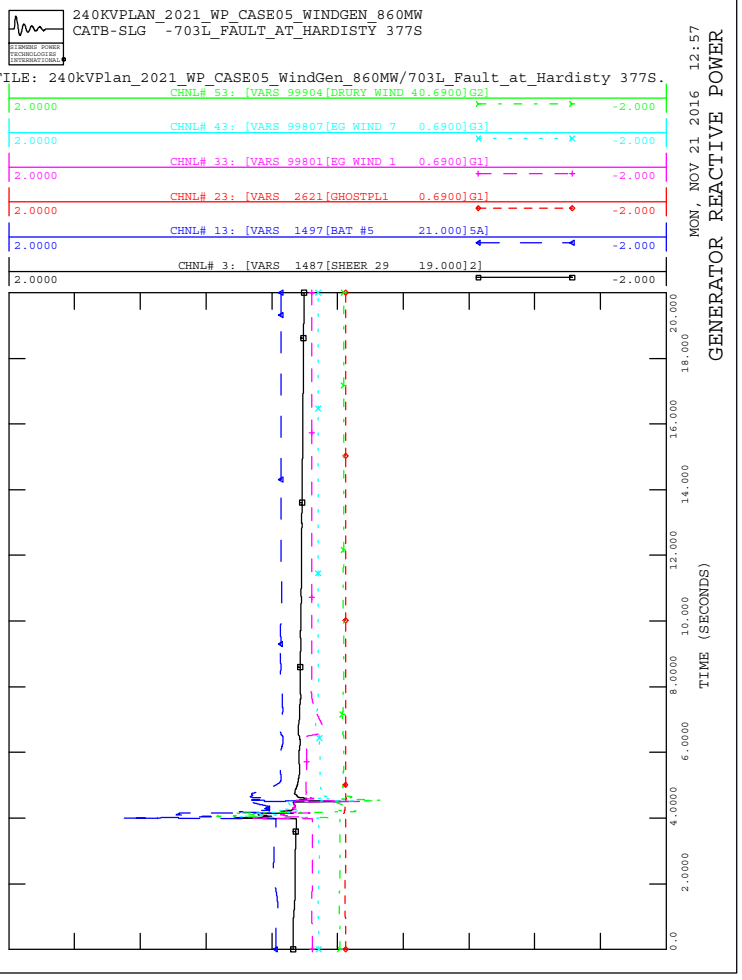
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:57
LINE POWER
TIME (SECONDS)

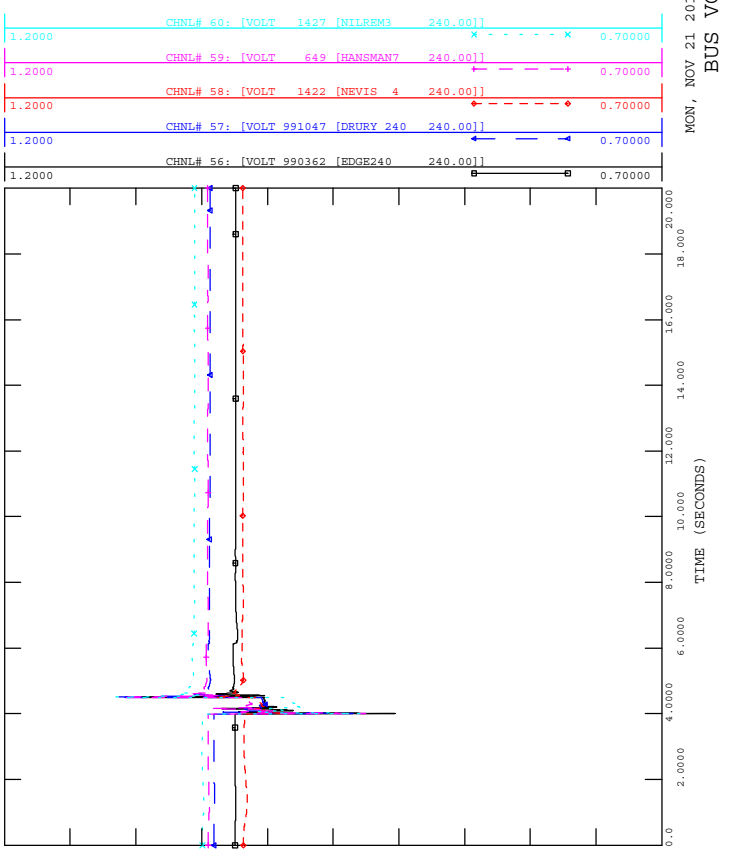

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HARDISTY 377S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hardisty 377S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S

MON, NOV 21 2016 12:57

BUS VOLTAGE

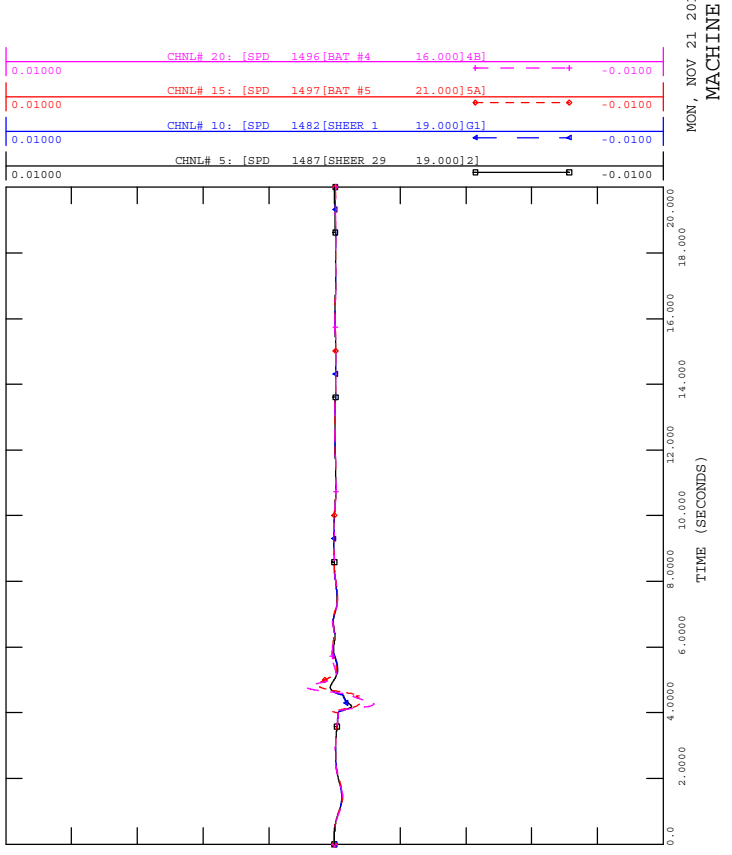


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S

MON, NOV 21 2016 12:57

MACHINE SPEED

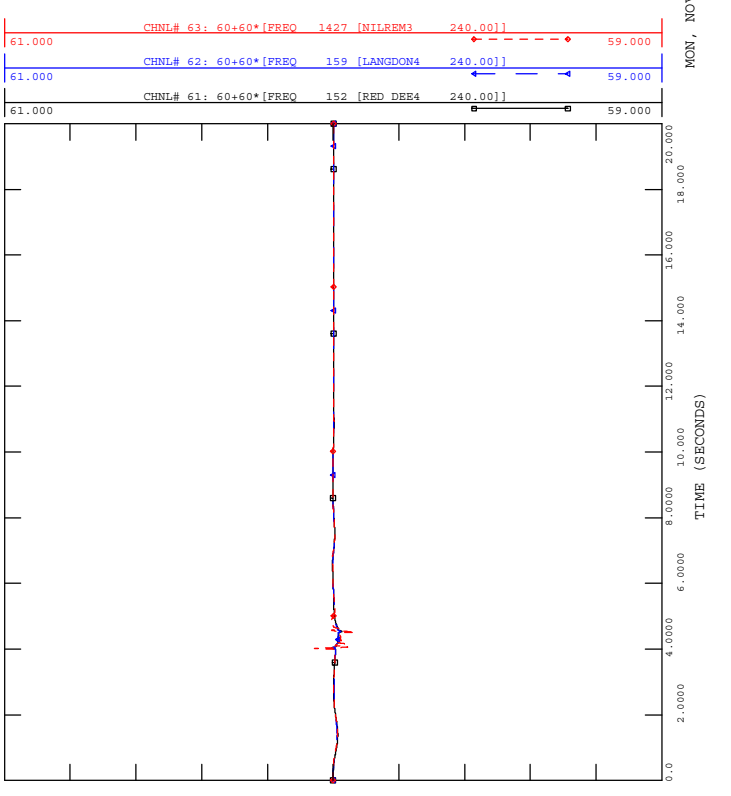


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S

MON, NOV 21 2016 12:57

FREQUENCY

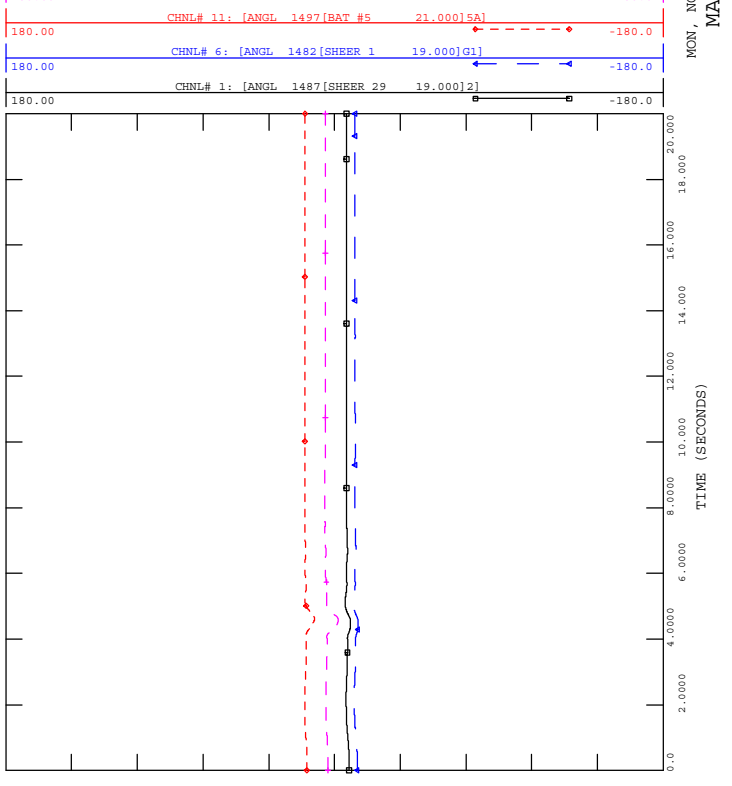


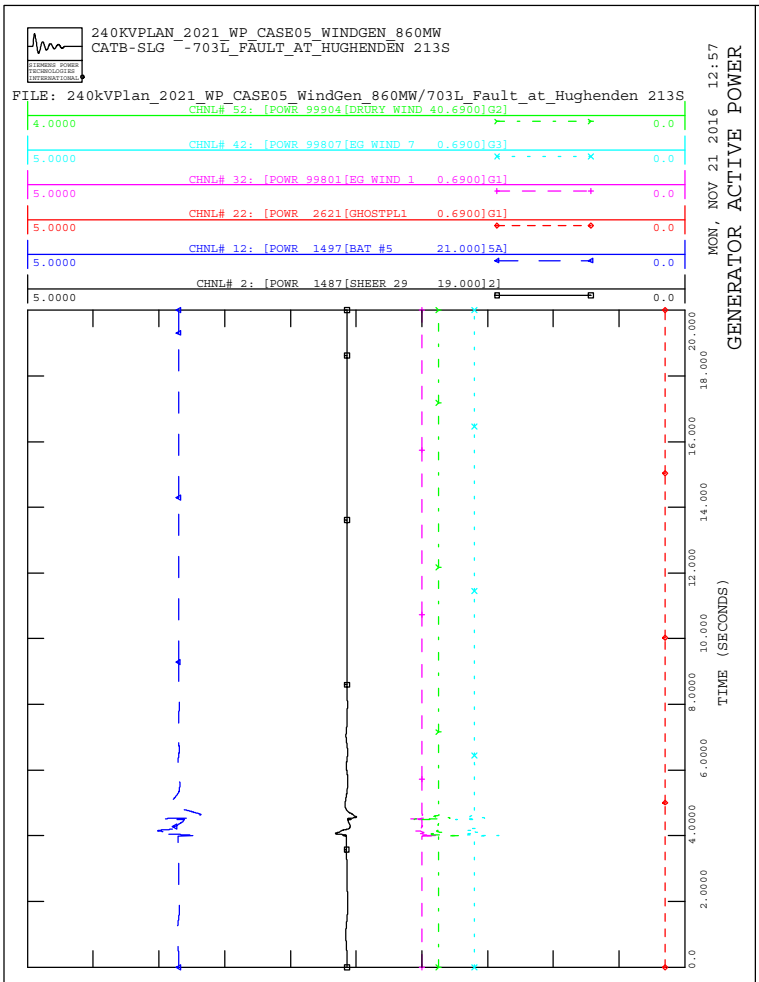
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S

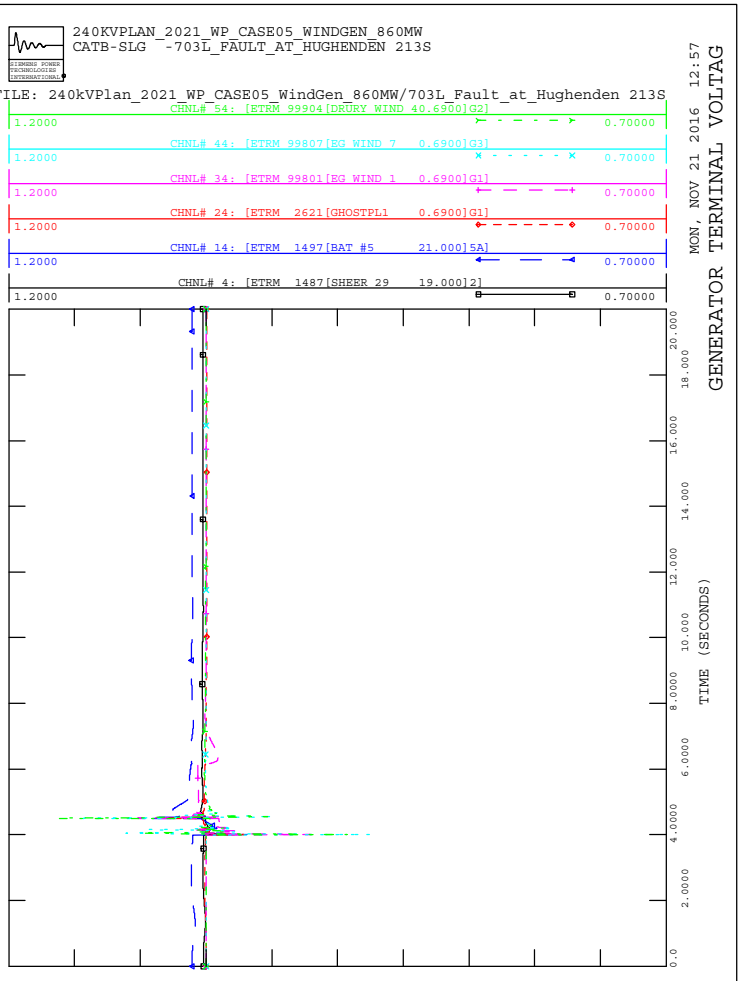
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S

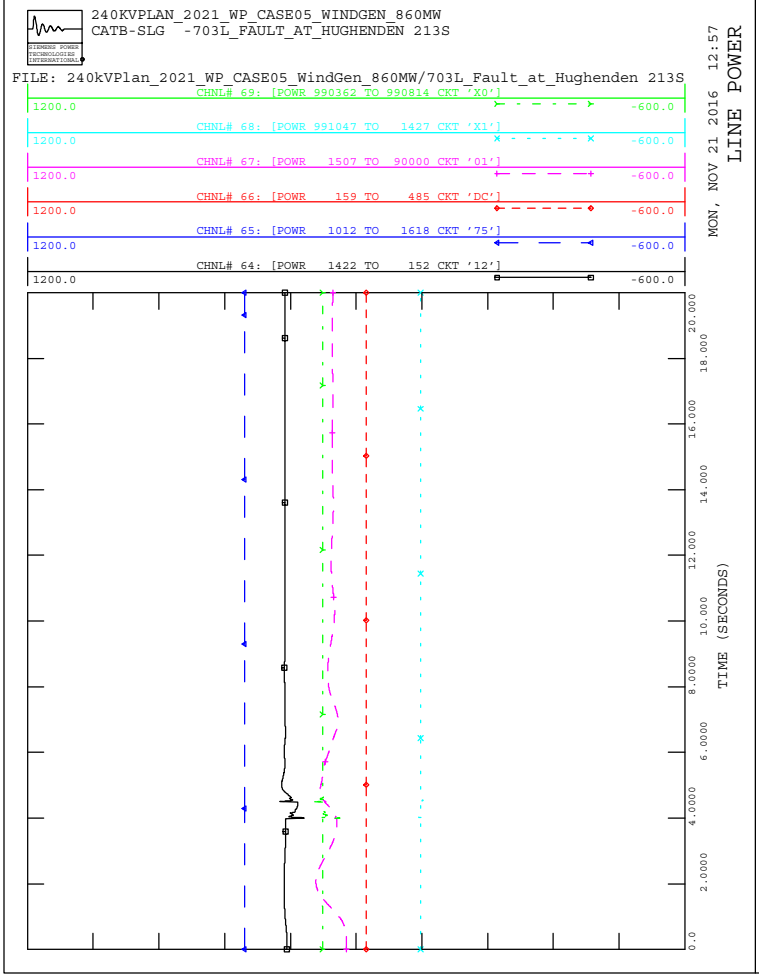
MON, NOV 21 2016 12:57

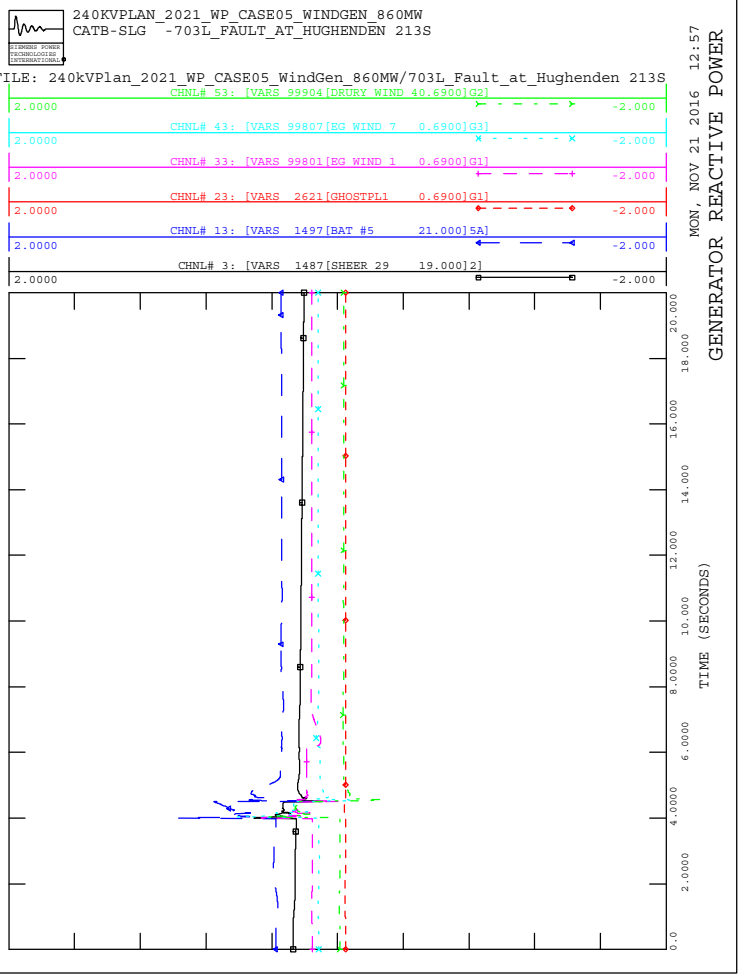
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

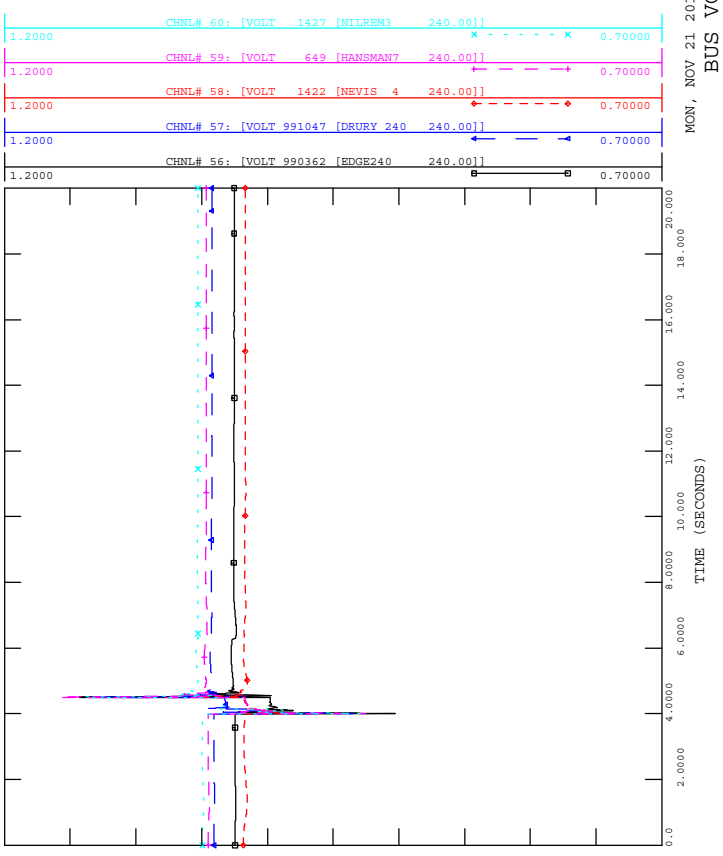

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -703L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/703L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S

MON, NOV 21 2016 12:57

BUS VOLTAGE

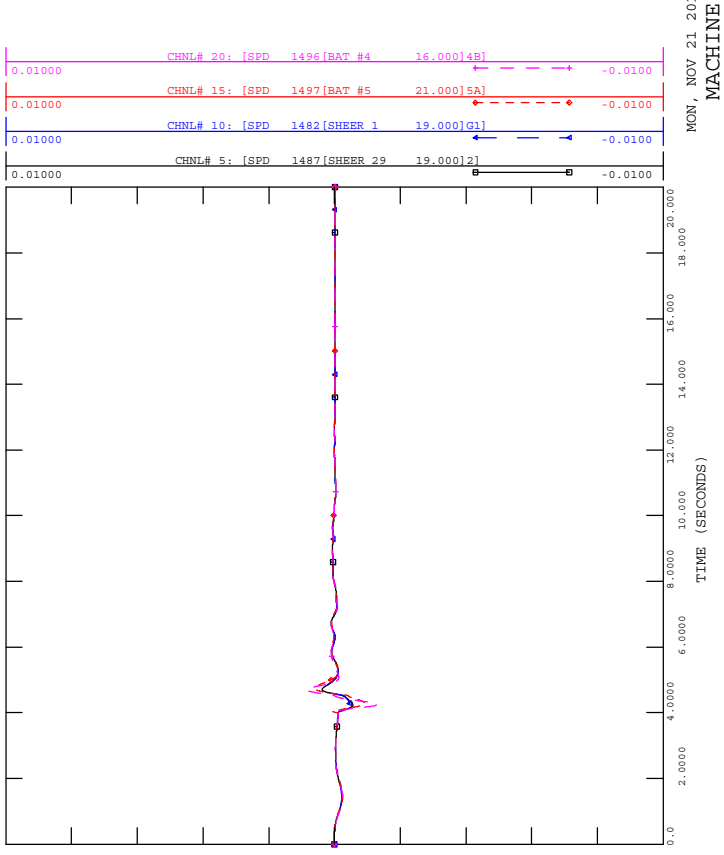


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S

MON, NOV 21 2016 12:57

MACHINE SPEED

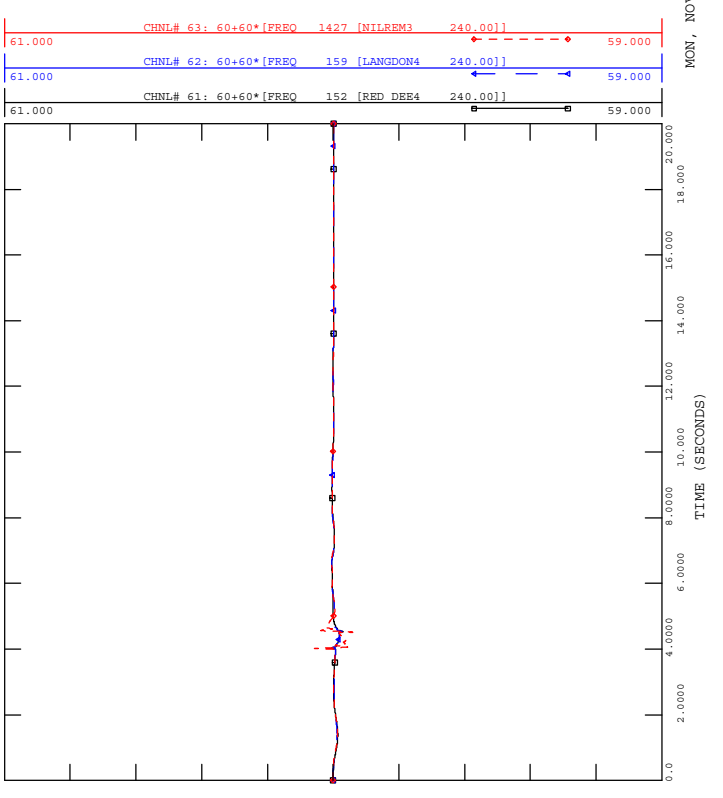


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S

MON, NOV 21 2016 12:57

FREQUENCY

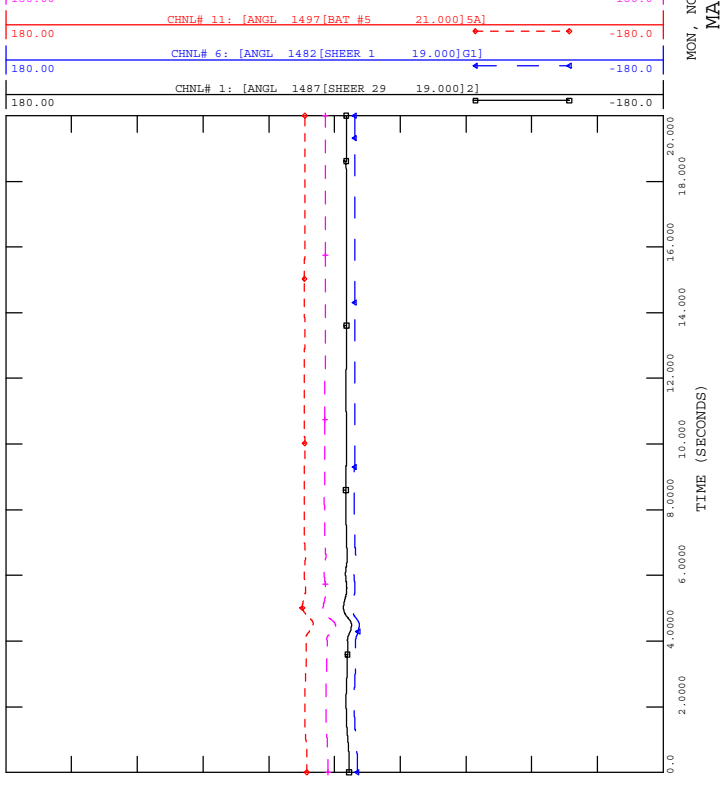


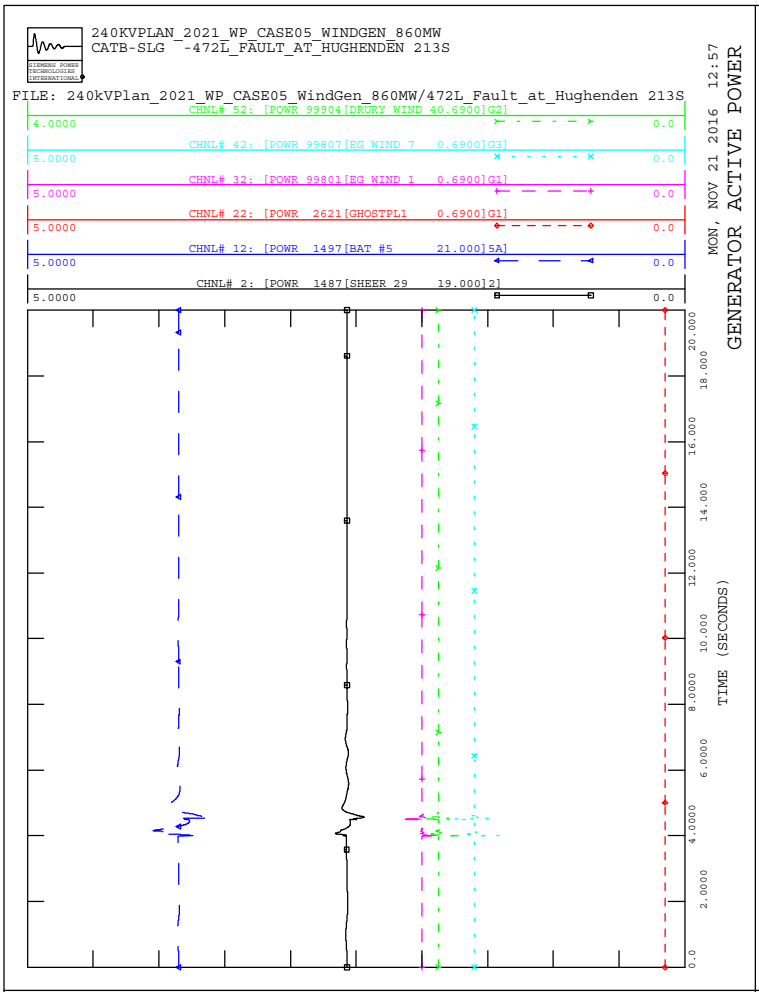
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S

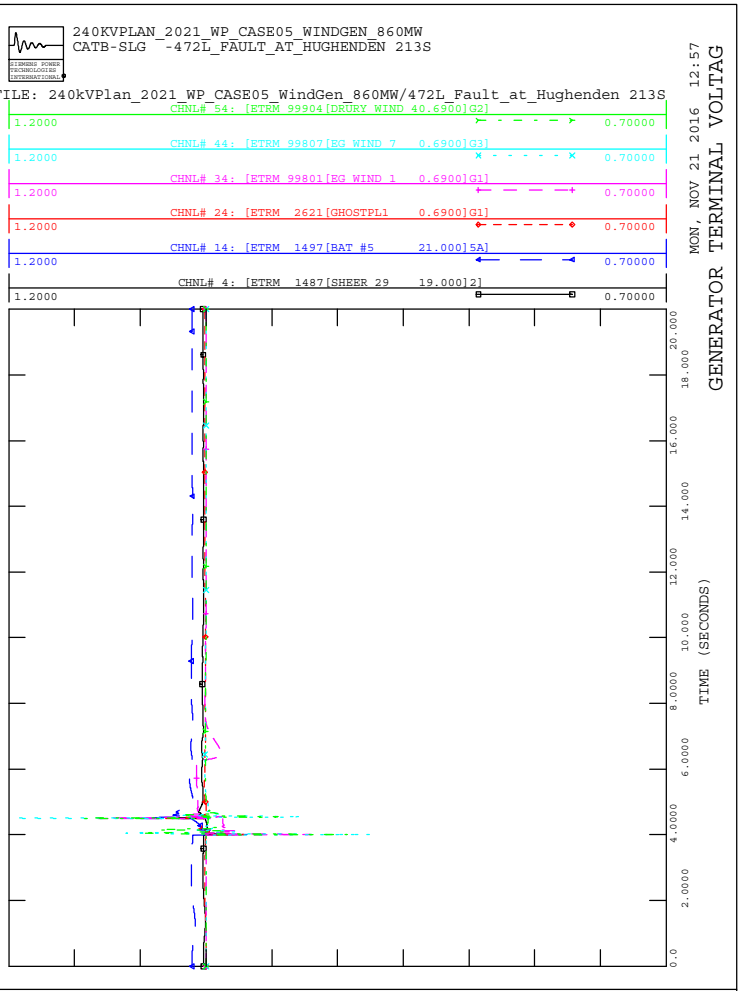
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S

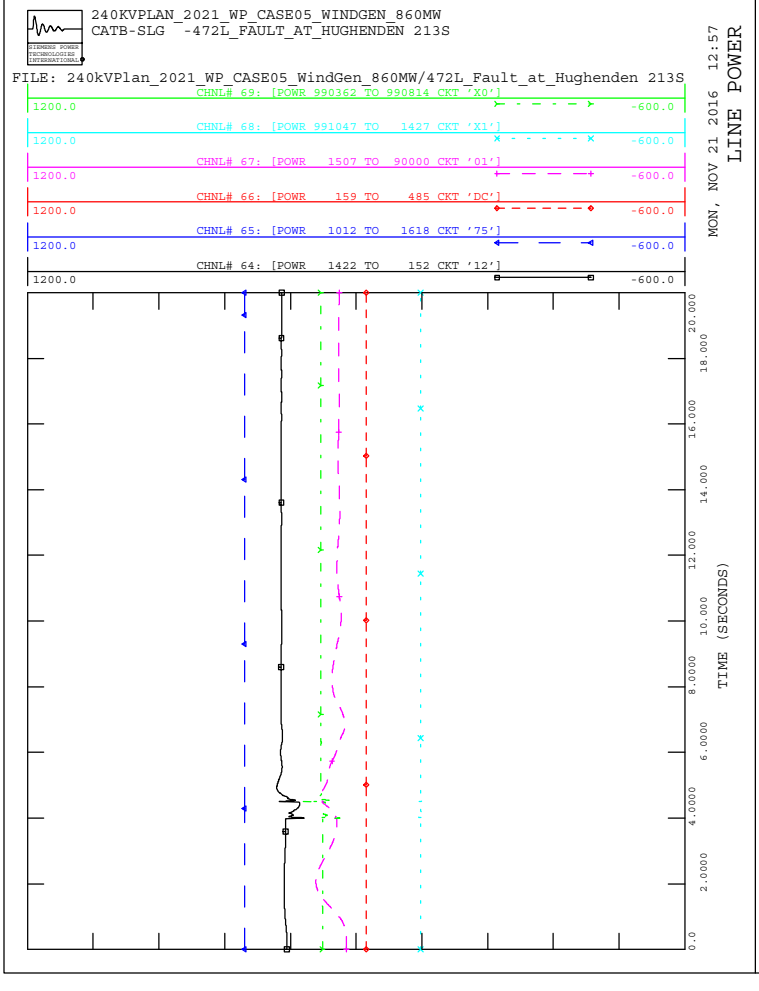
MON, NOV 21 2016 12:57

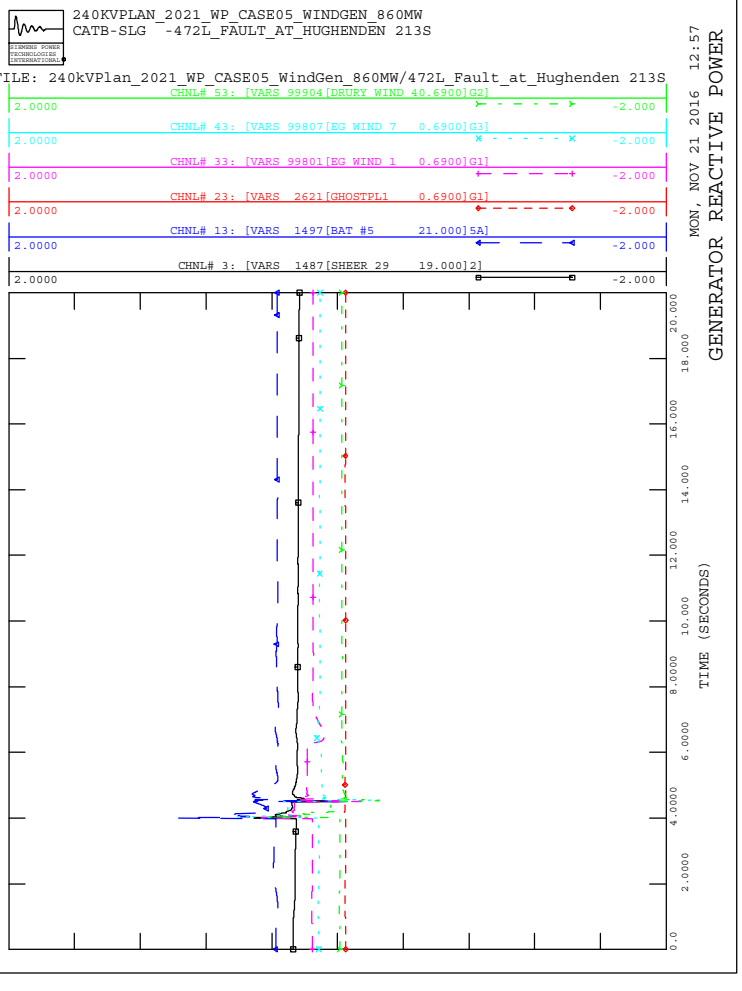
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

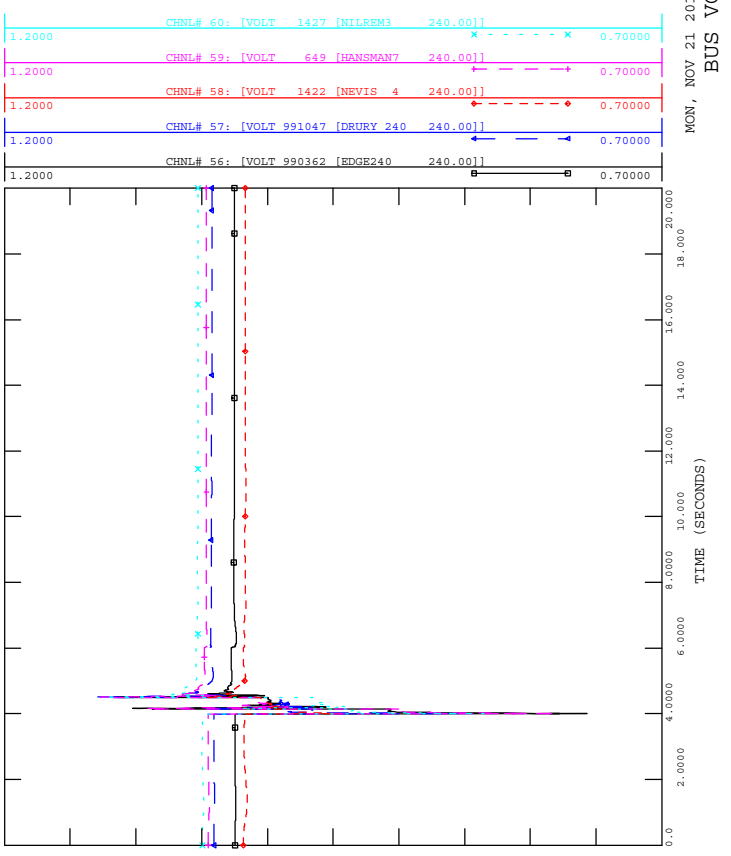

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_HUGHENDEN 213S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Hughenden 213S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:57

BUS VOLTAGE

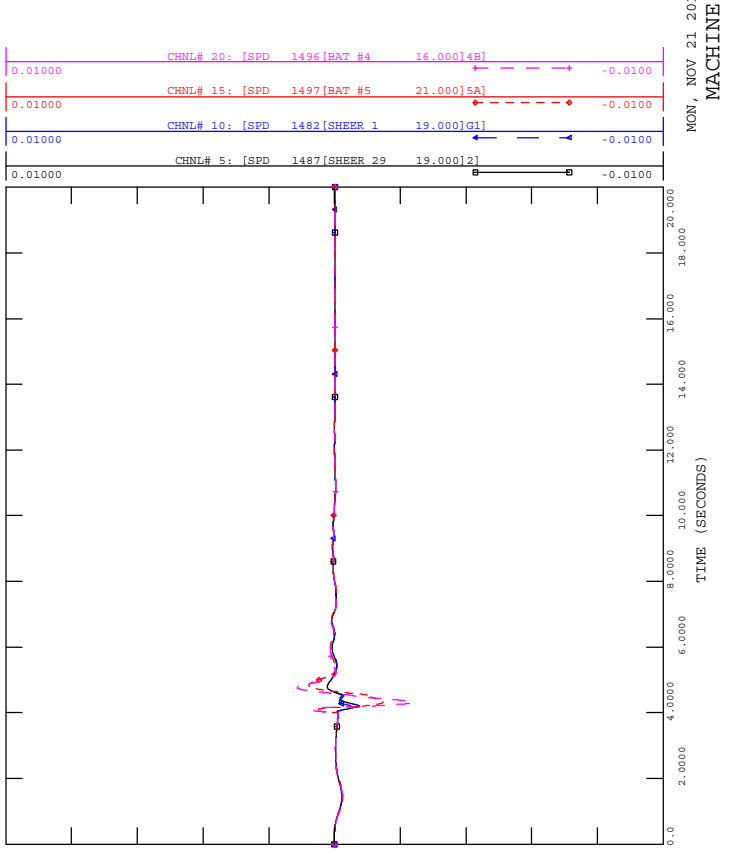


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:57

MACHINE SPEED

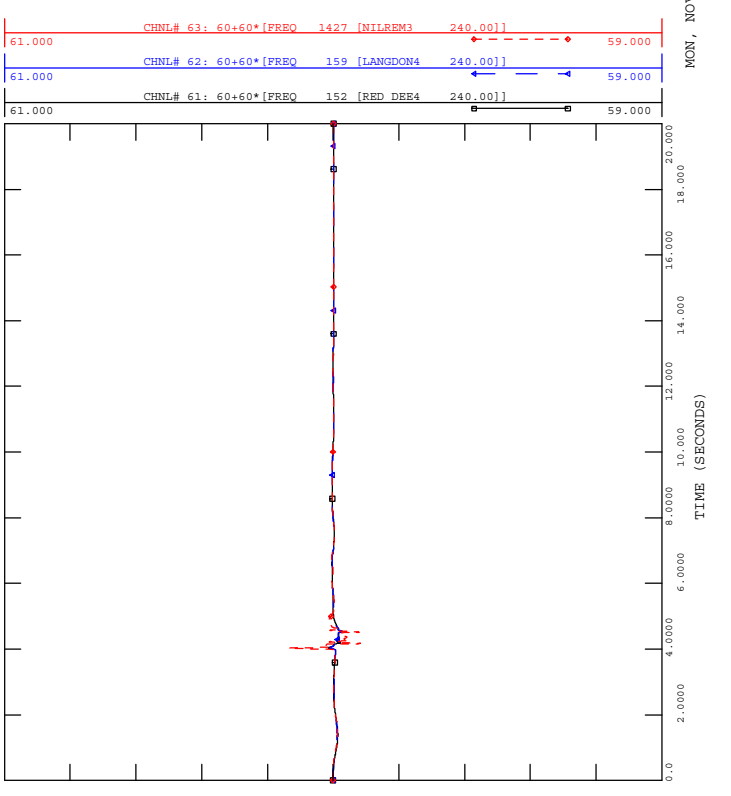


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:57

FREQUENCY

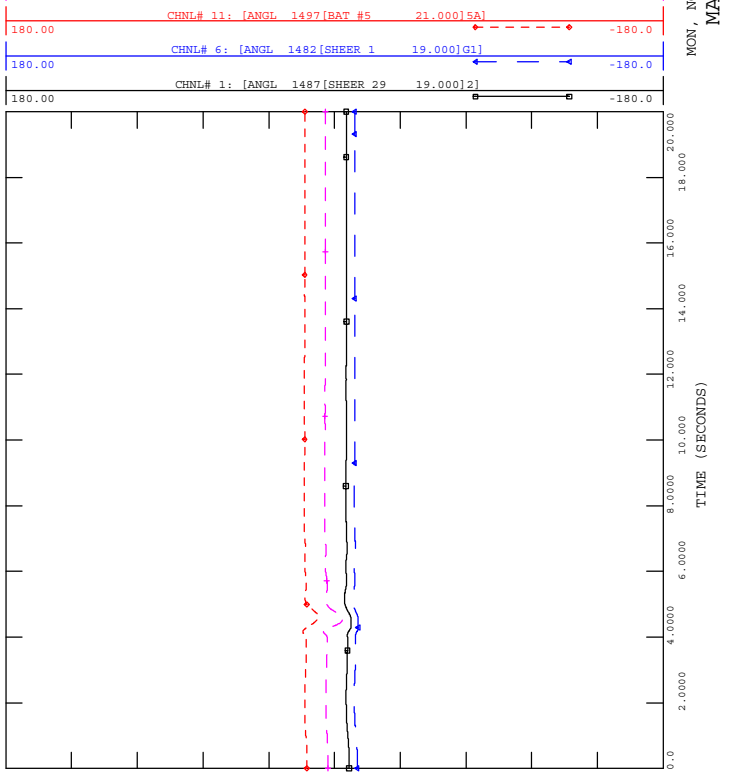


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.

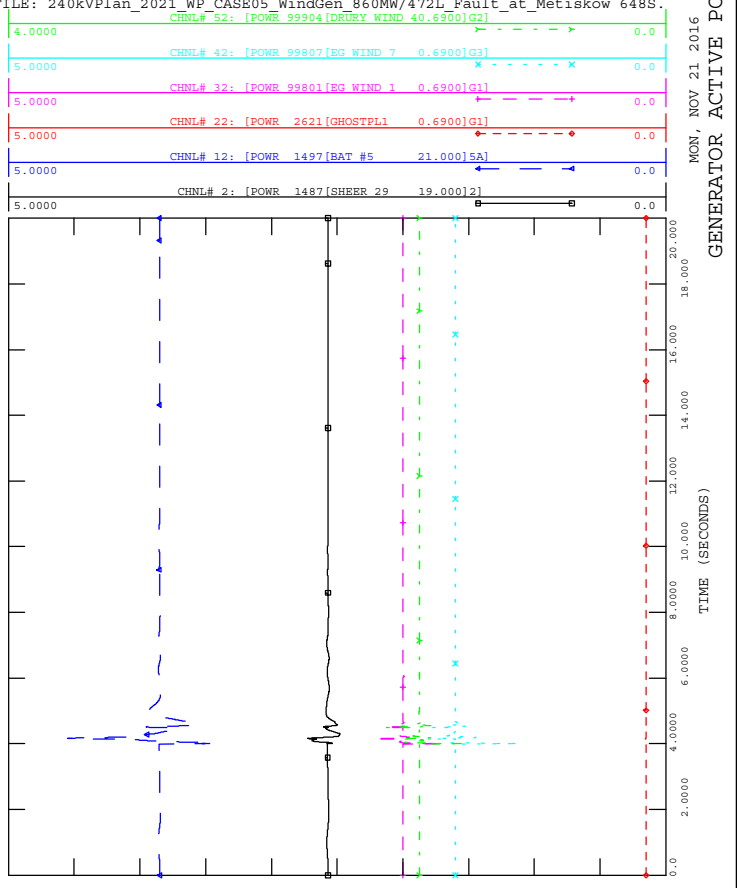
MON, NOV 21 2016 12:57

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

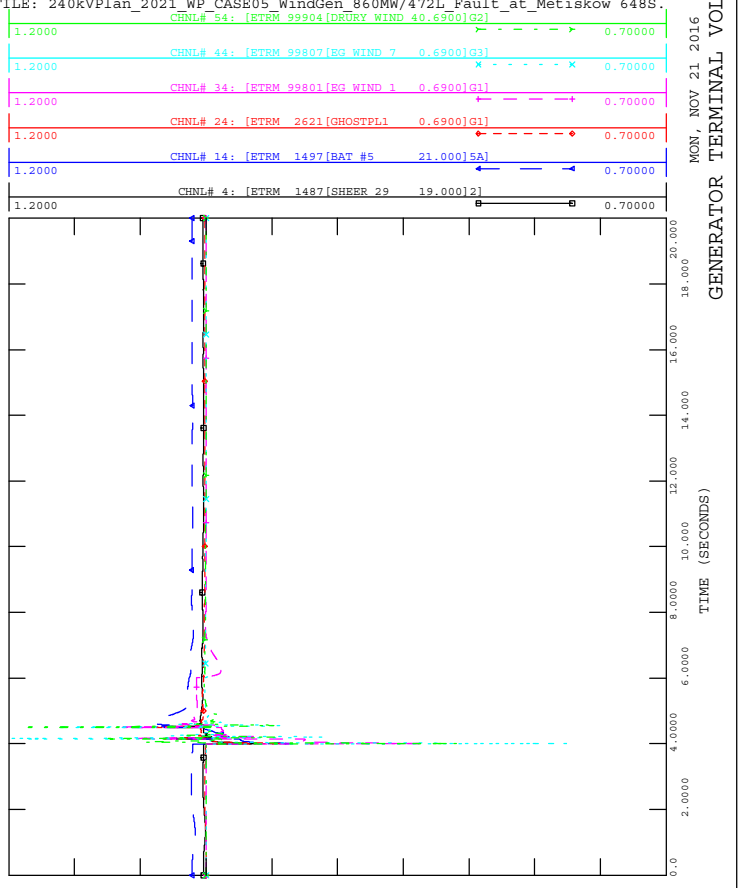
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

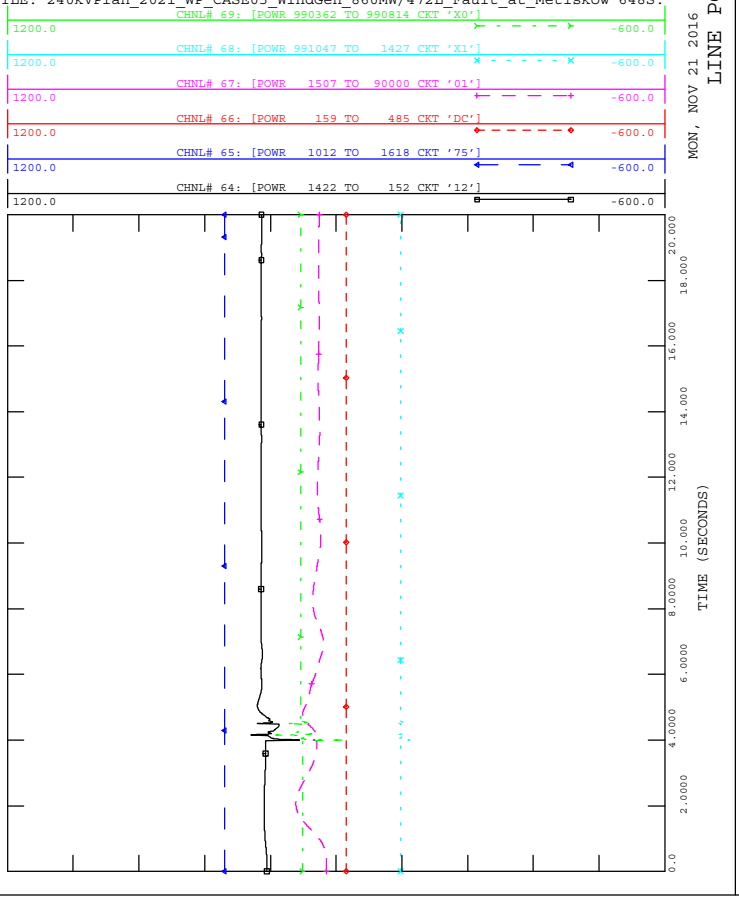
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

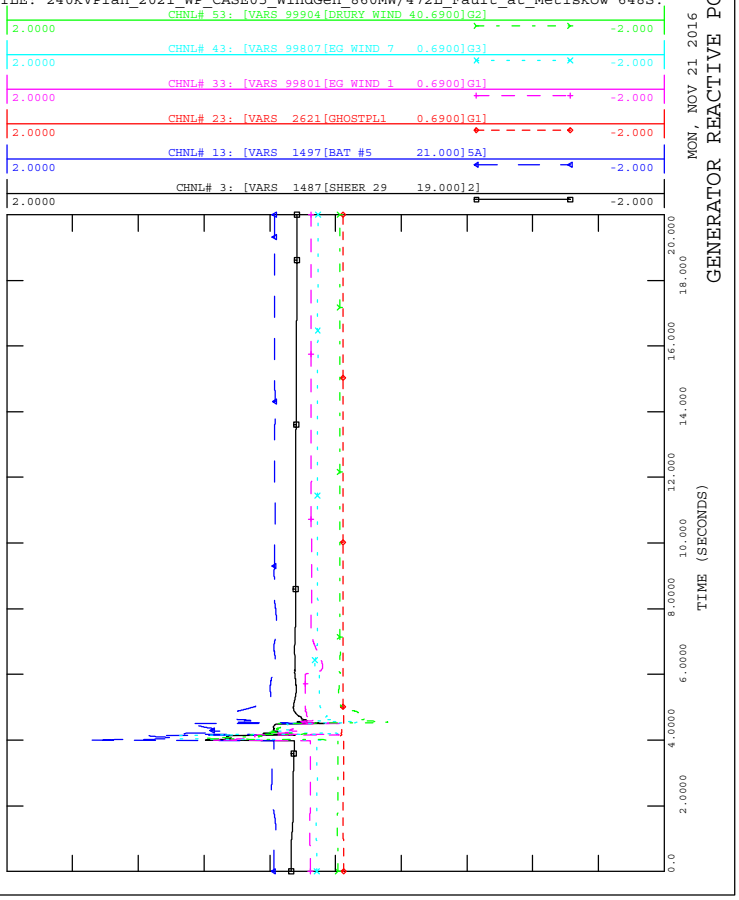
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:57
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -472L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_Fault_at_Metiskow 648S.



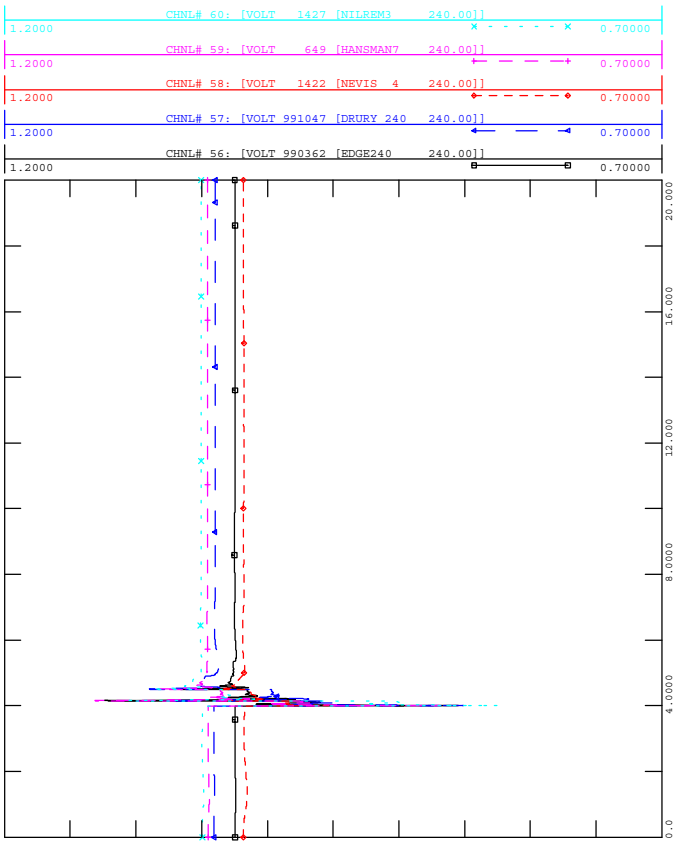
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 12:57

BUS VOLTAGE

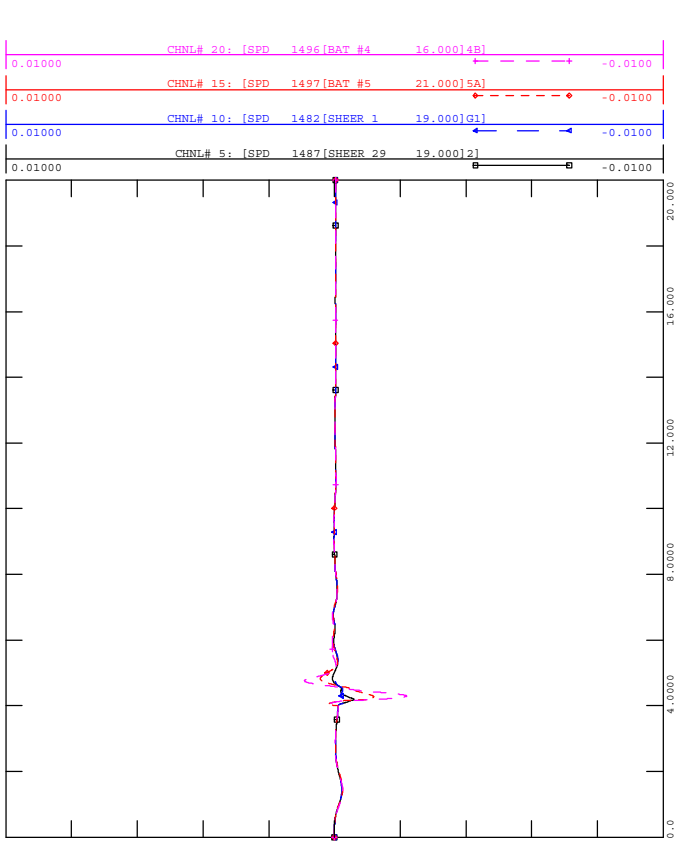


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 12:57

MACHINE SPEED

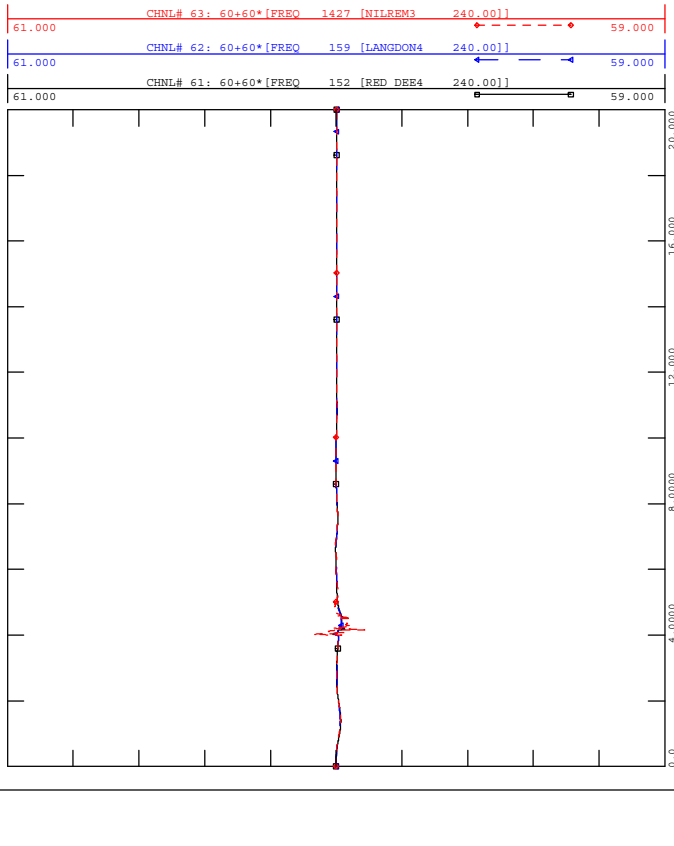


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

MON, NOV 21 2016 12:57

FREQUENCY

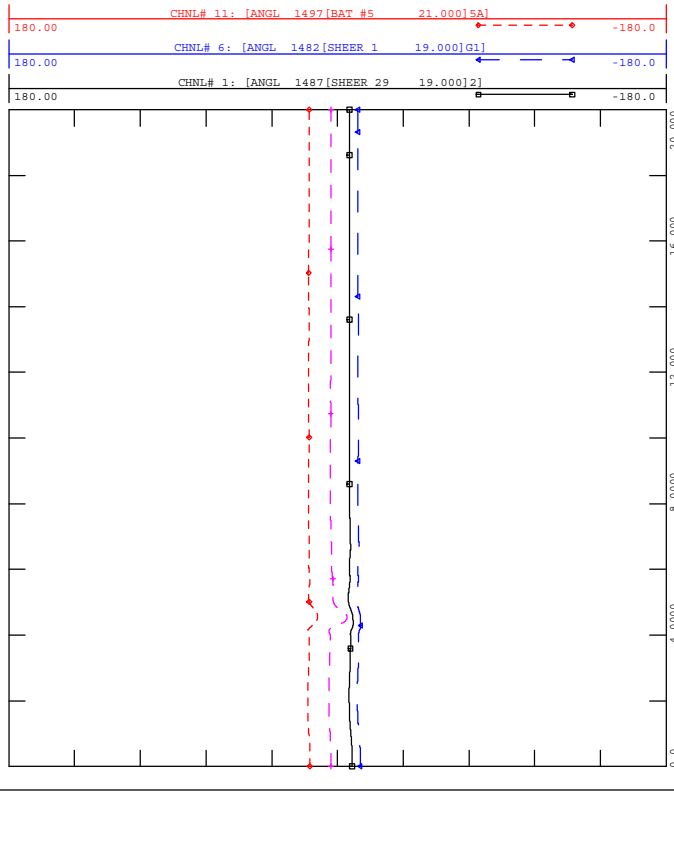


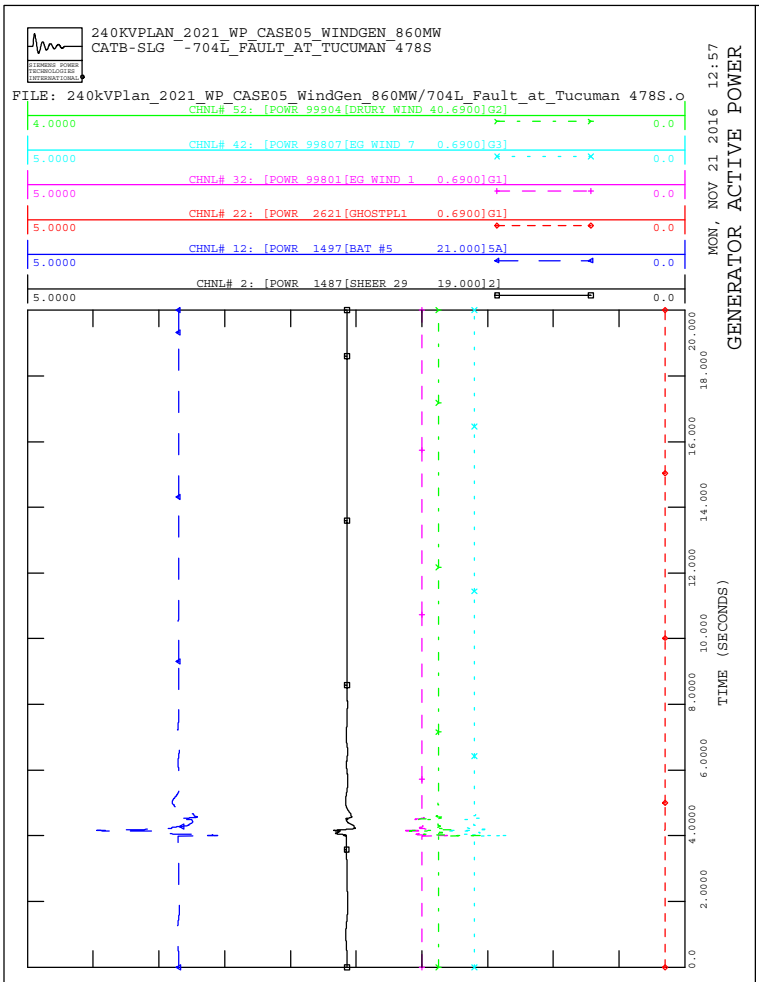
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S

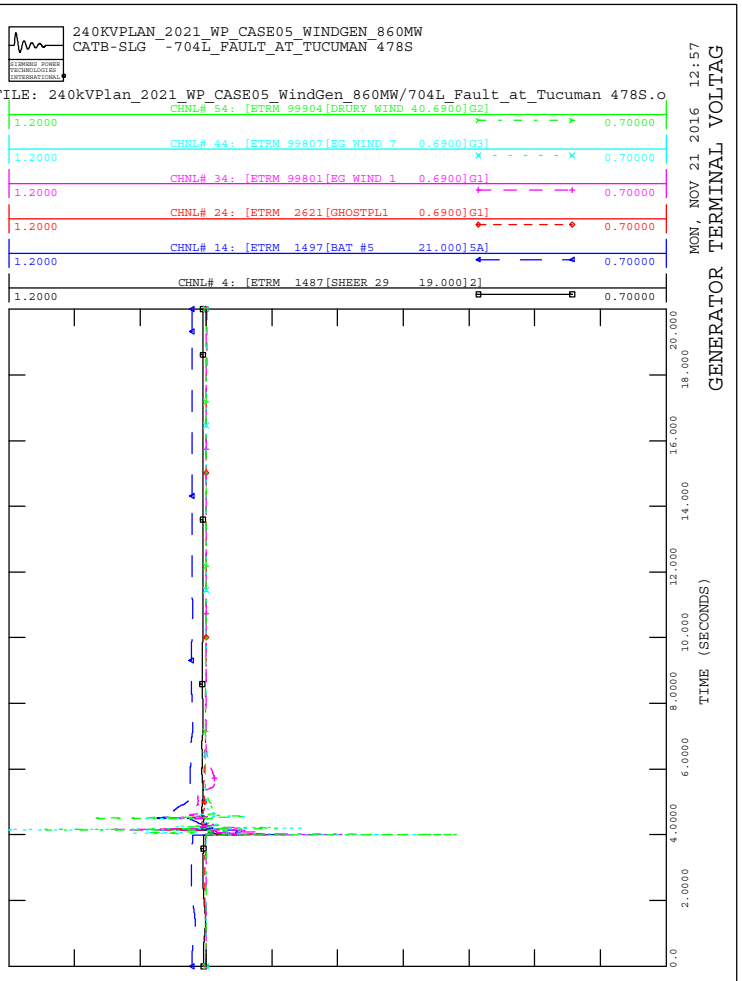
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o

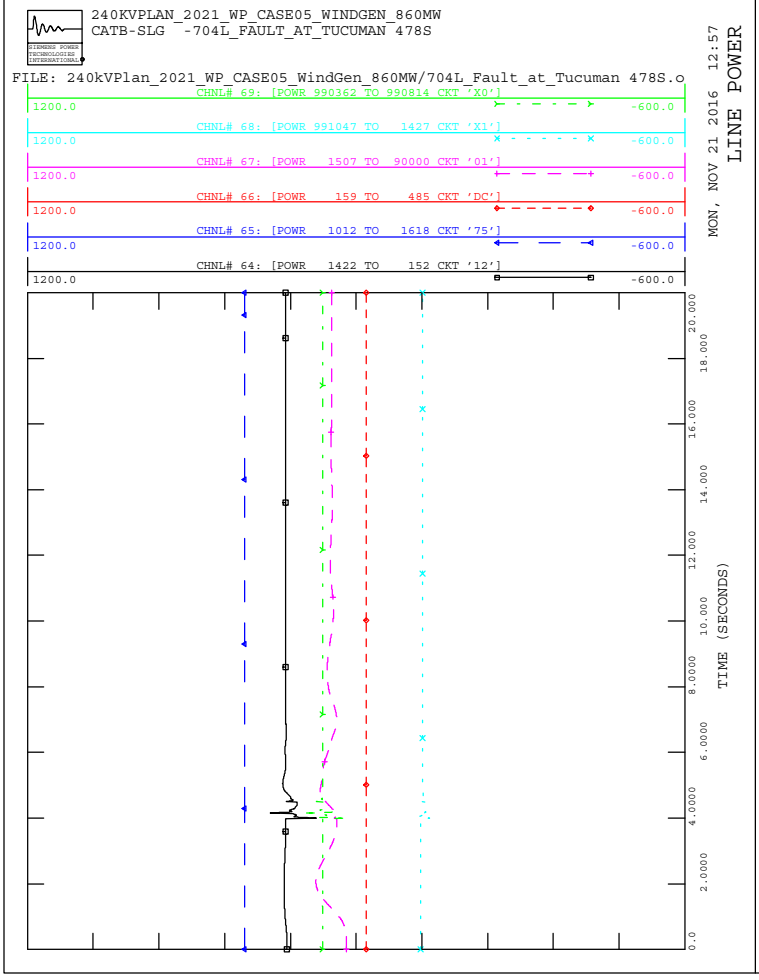
MON, NOV 21 2016 12:57

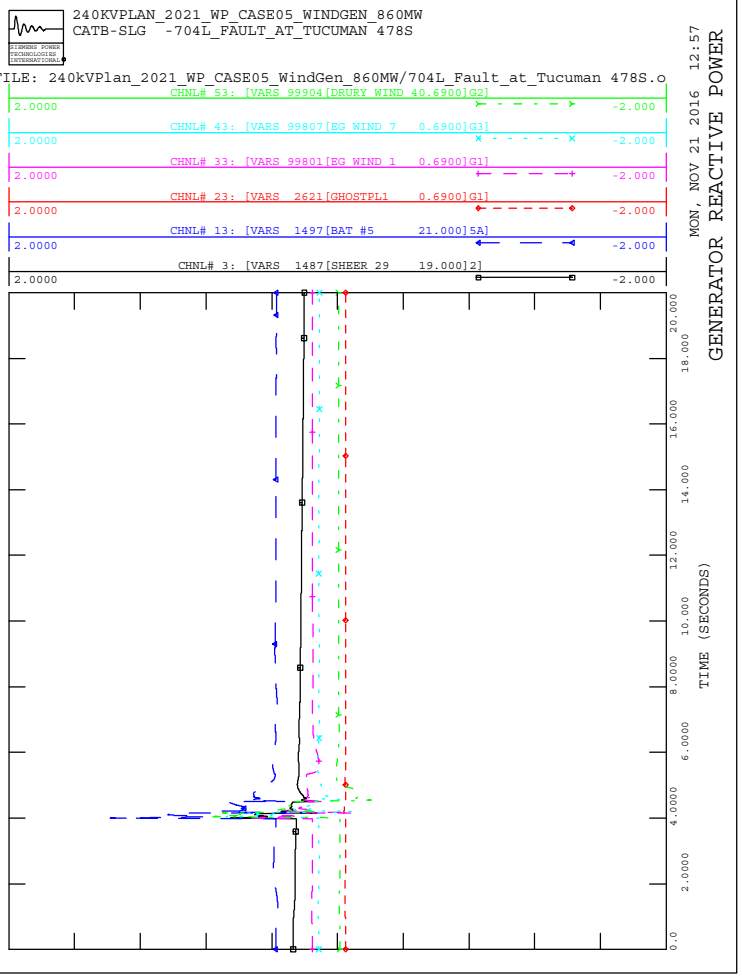
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

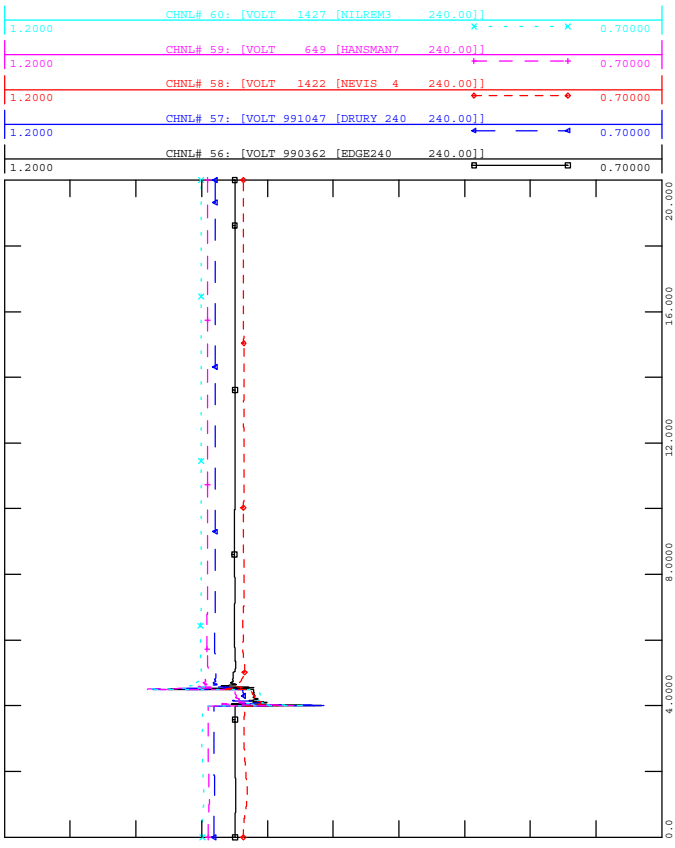

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_TUCUMAN 478S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Tucuman 478S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S

MON, NOV 21 2016 12:57

BUS VOLTAGE

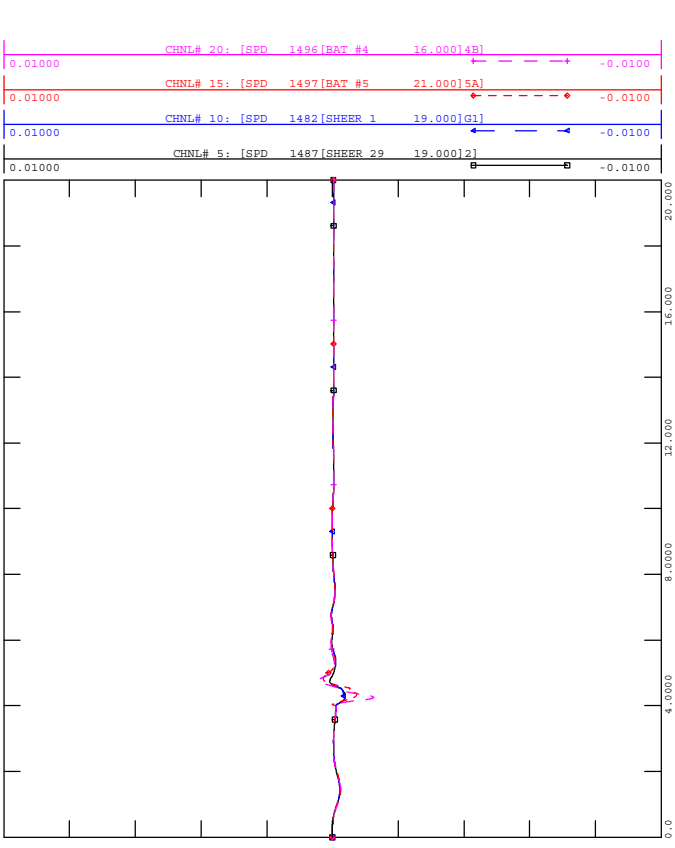


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S

MON, NOV 21 2016 12:57

MACHINE SPEED

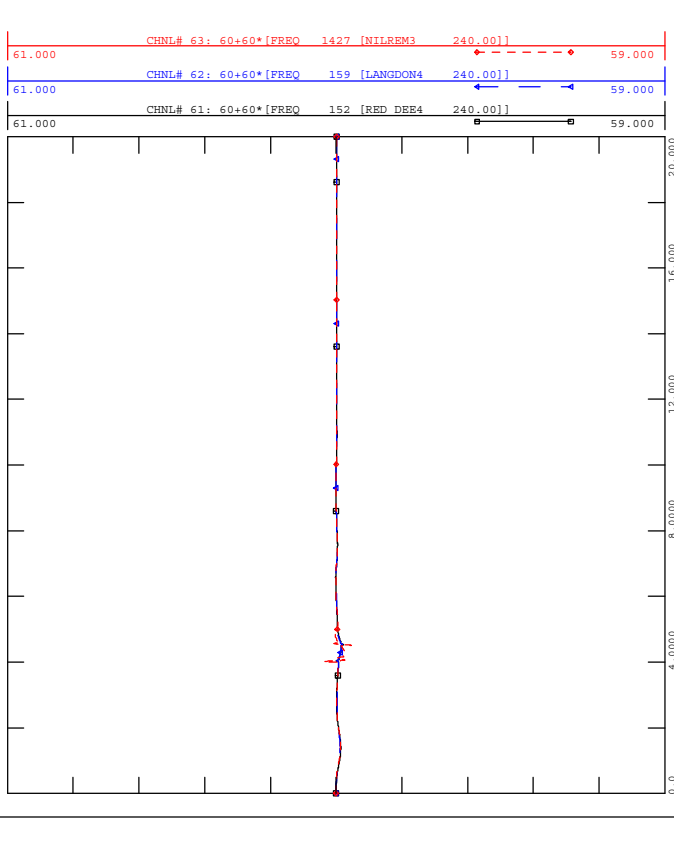


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S

MON, NOV 21 2016 12:57

FREQUENCY

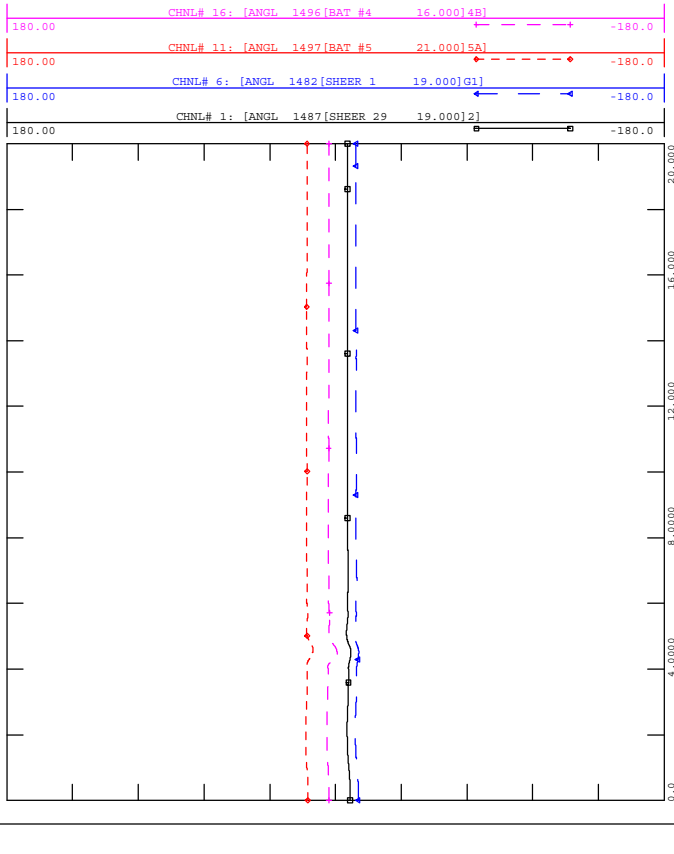


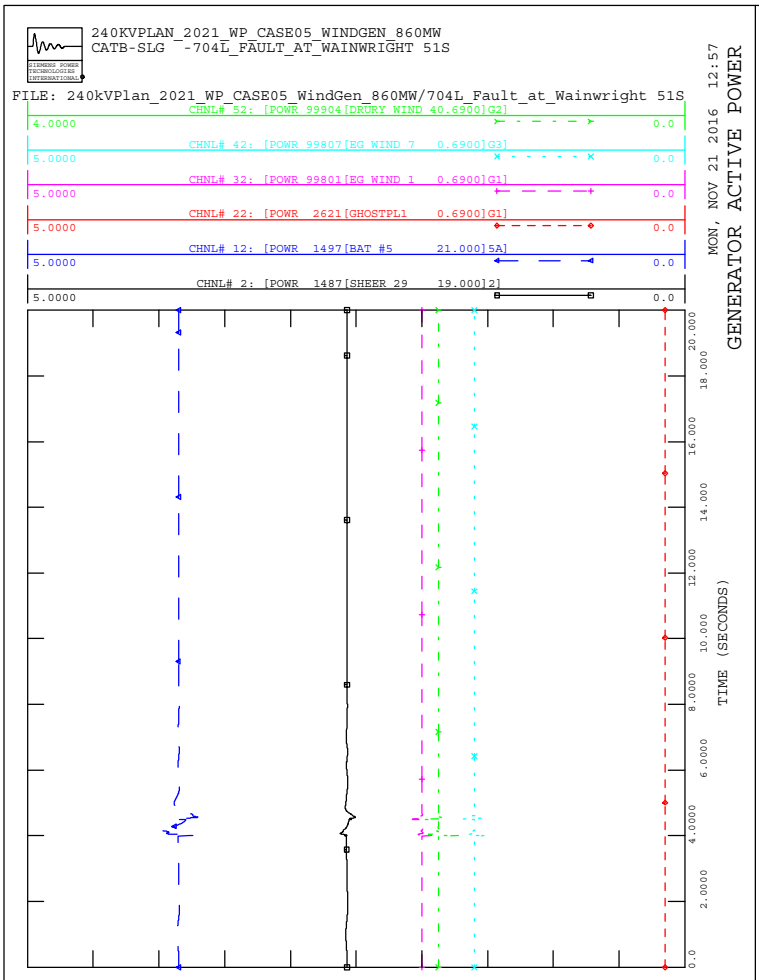
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S

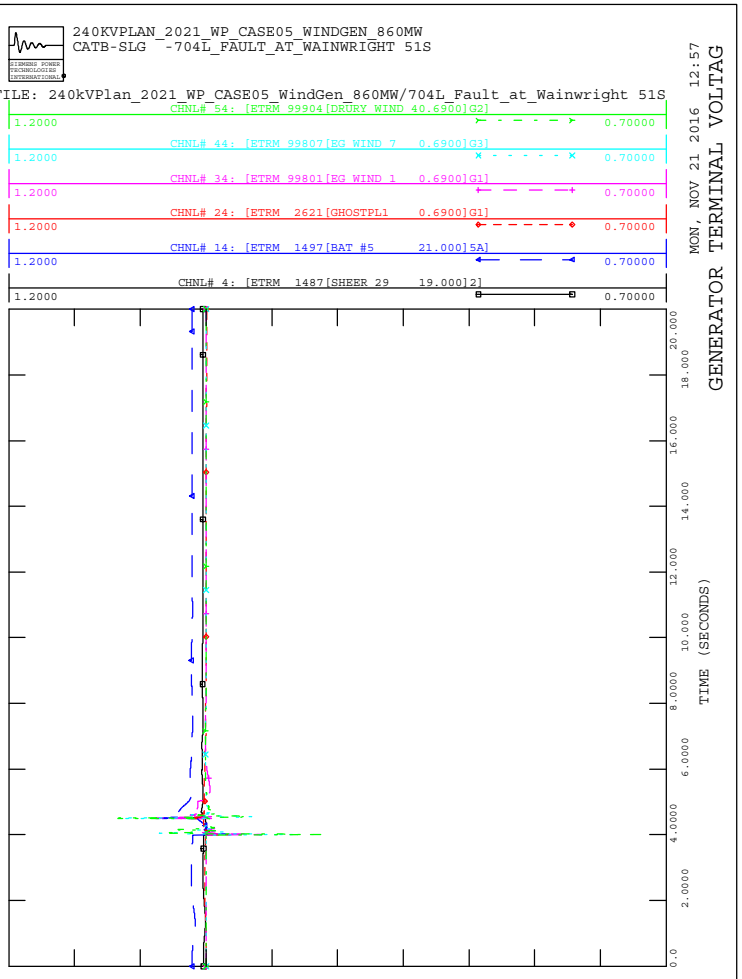
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S

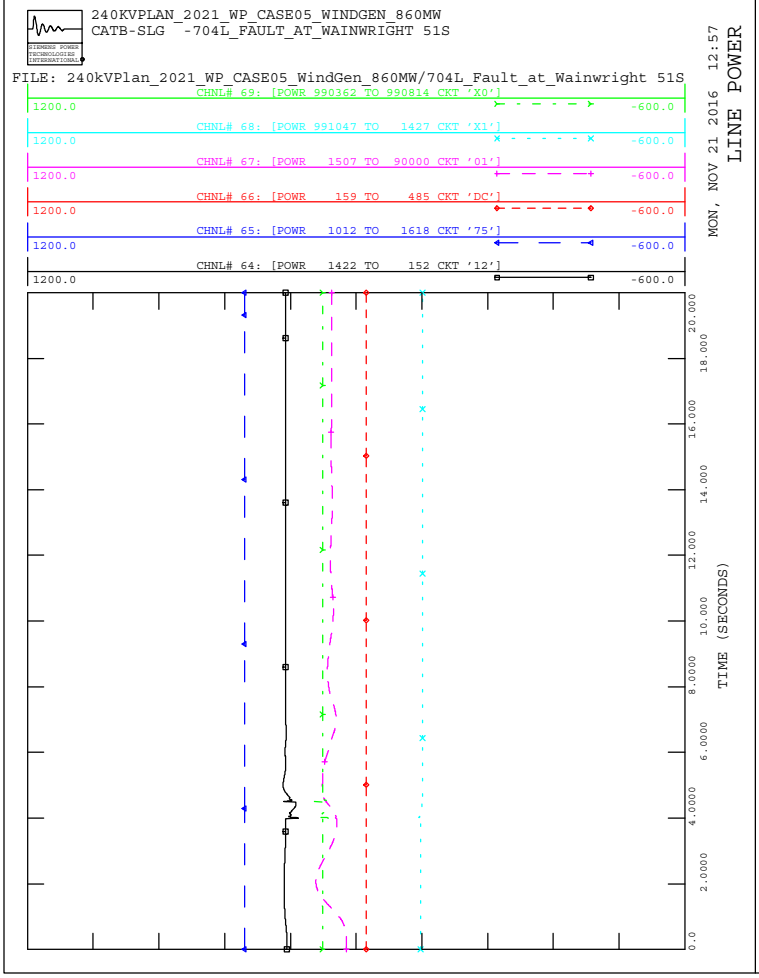
MON, NOV 21 2016 12:57

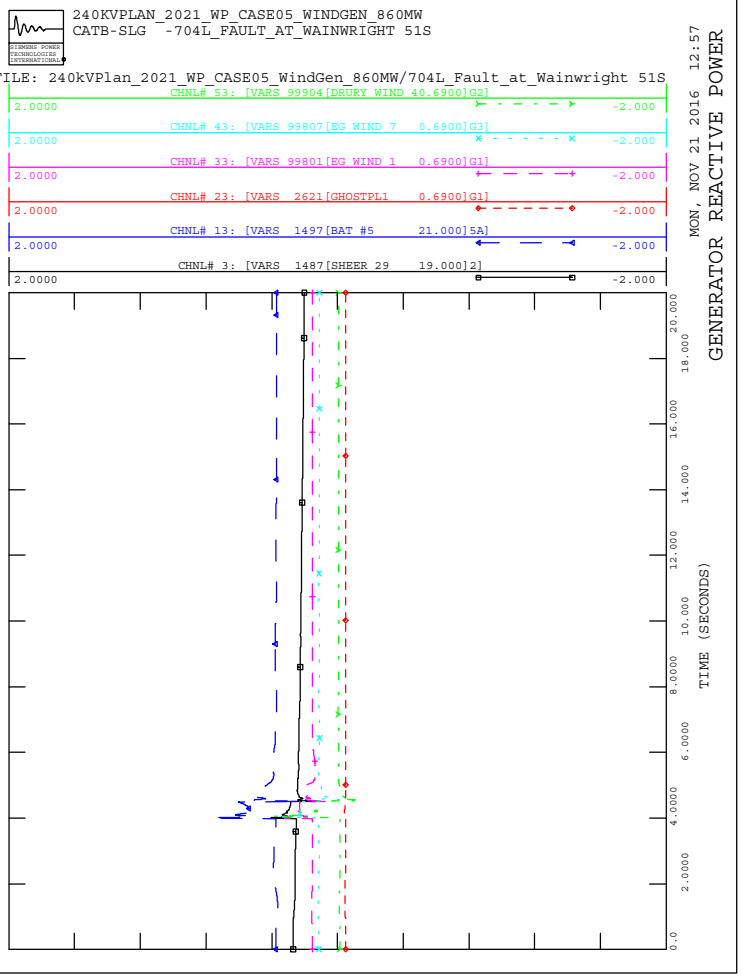
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

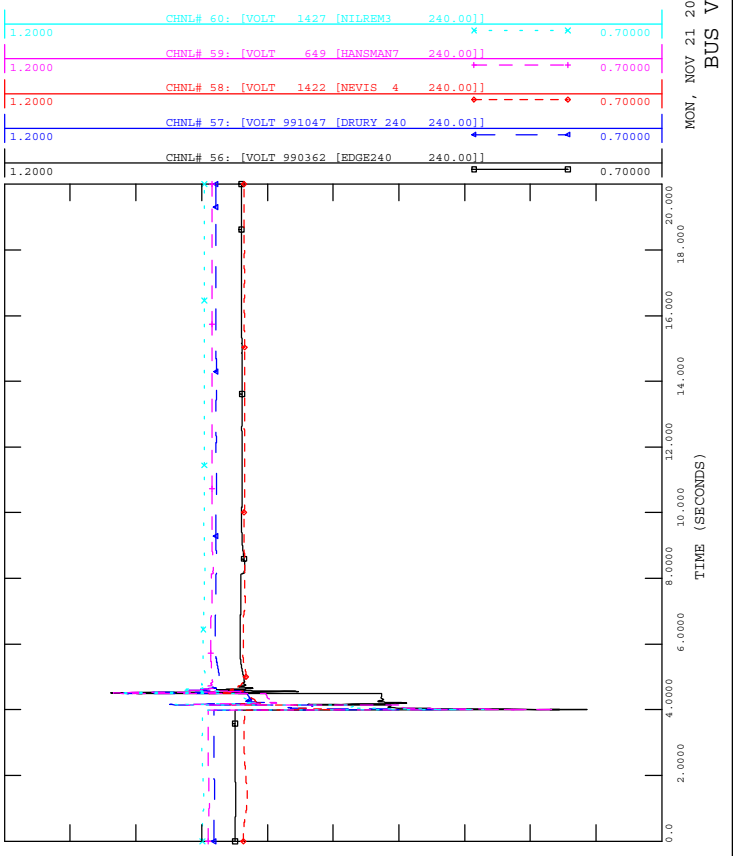

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -704L_FAULT_AT_WAINWRIGHT 51S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/704L_Fault_at_Wainwright 51S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

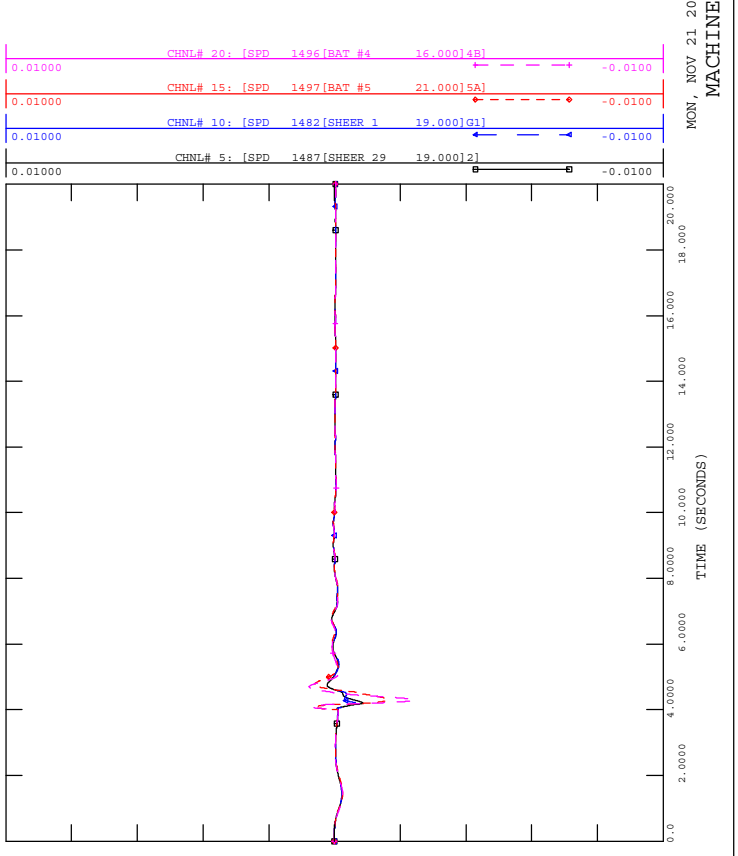
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:57
BUS VOLTAGE

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

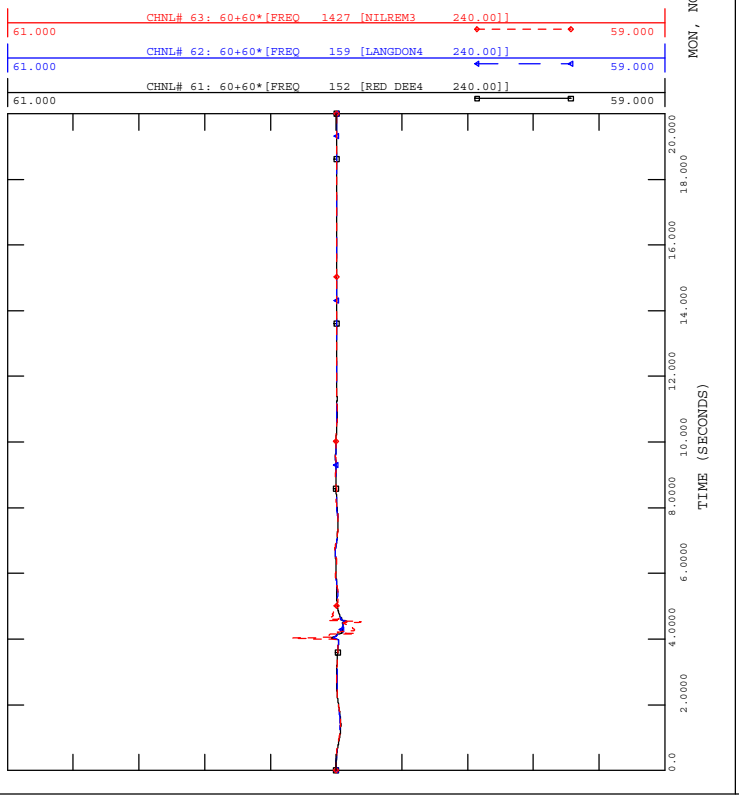
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:57
MACHINE SPEED

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

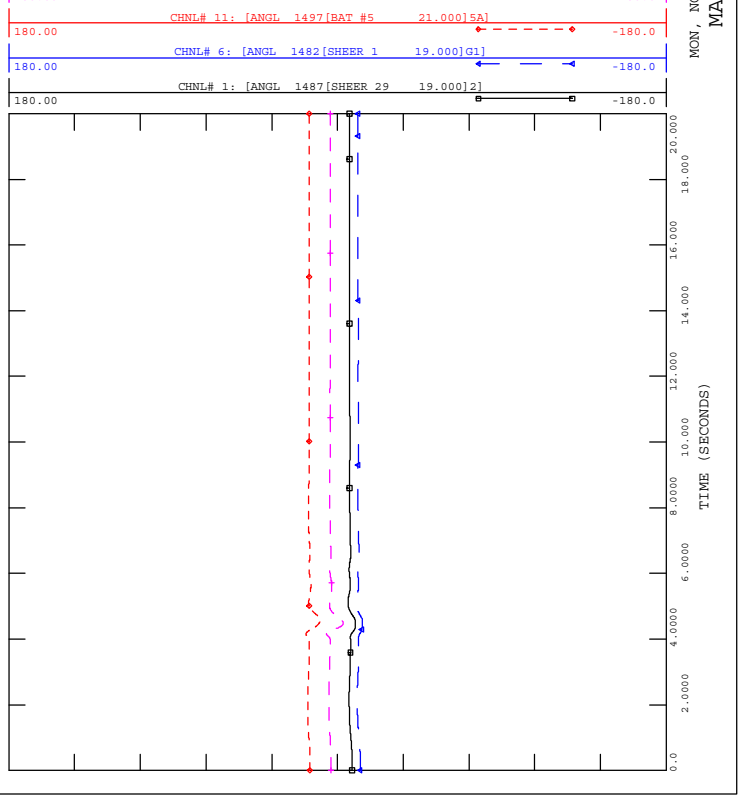
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.



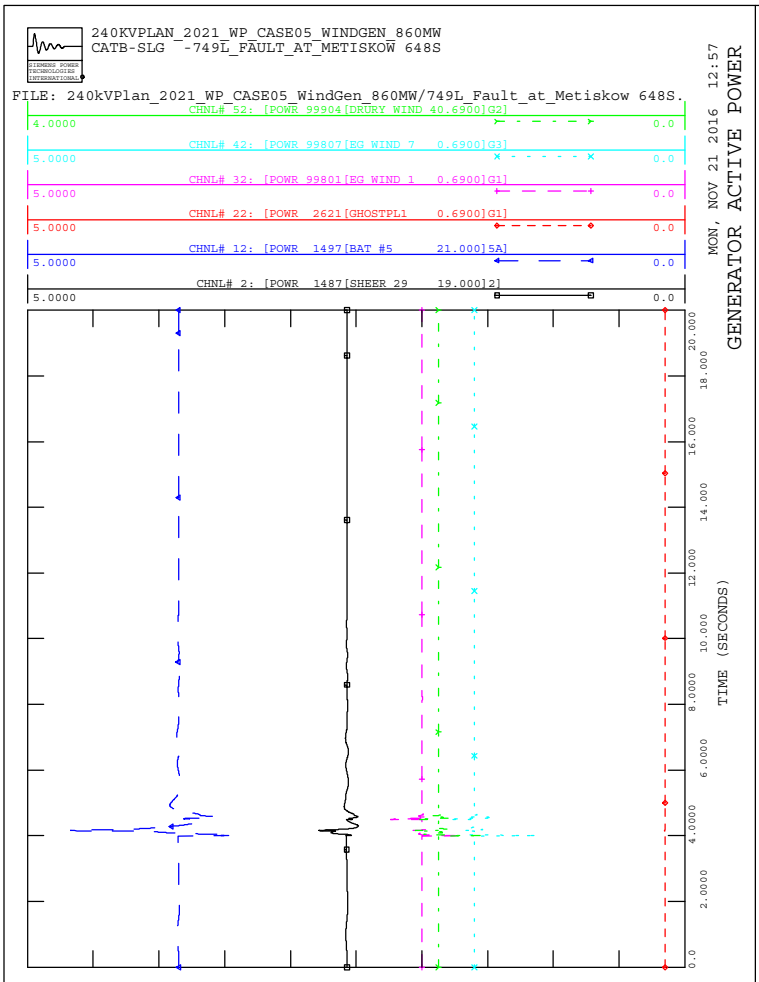
MON, NOV 21 2016 12:57
FREQUENCY

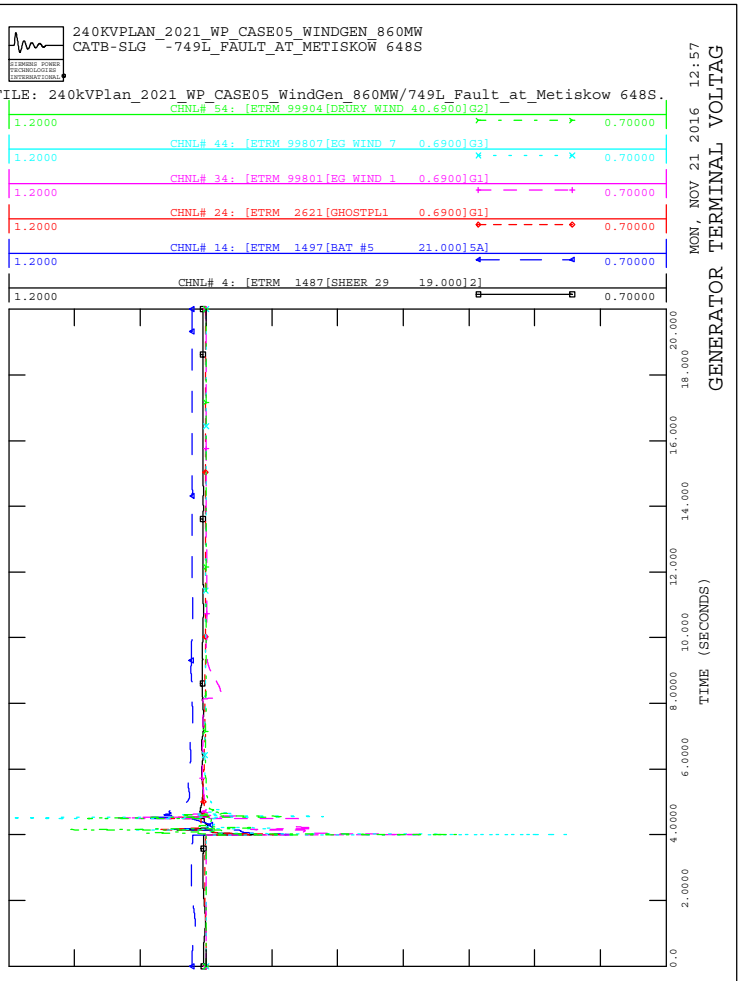
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:57
MACHINE ANGEL


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_METISKOW 648S
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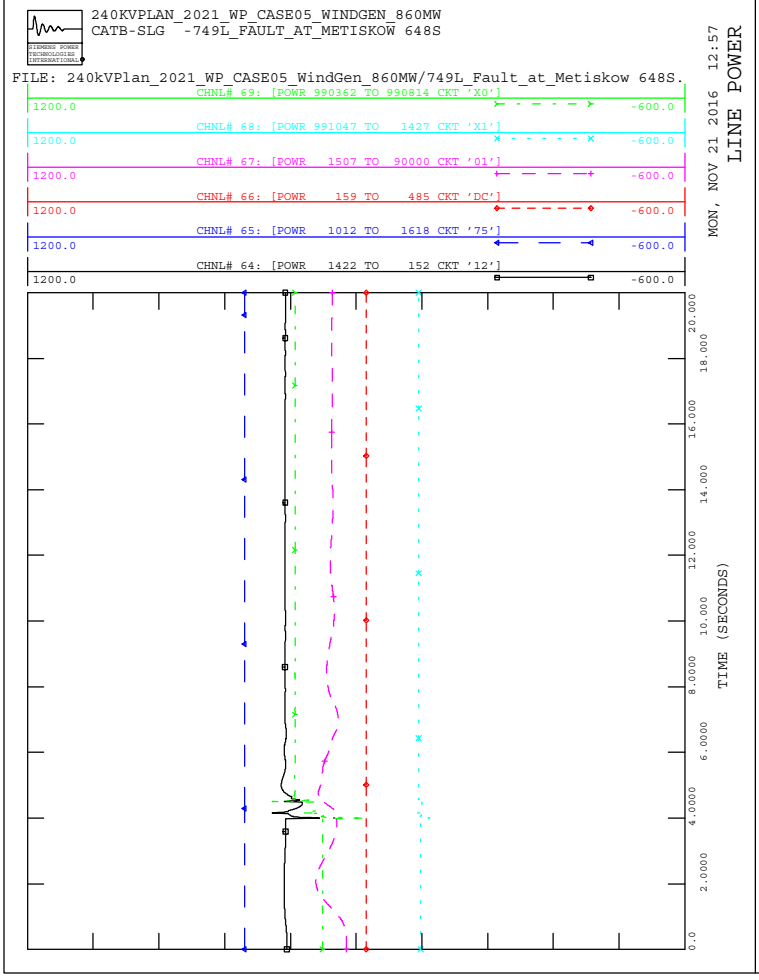
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)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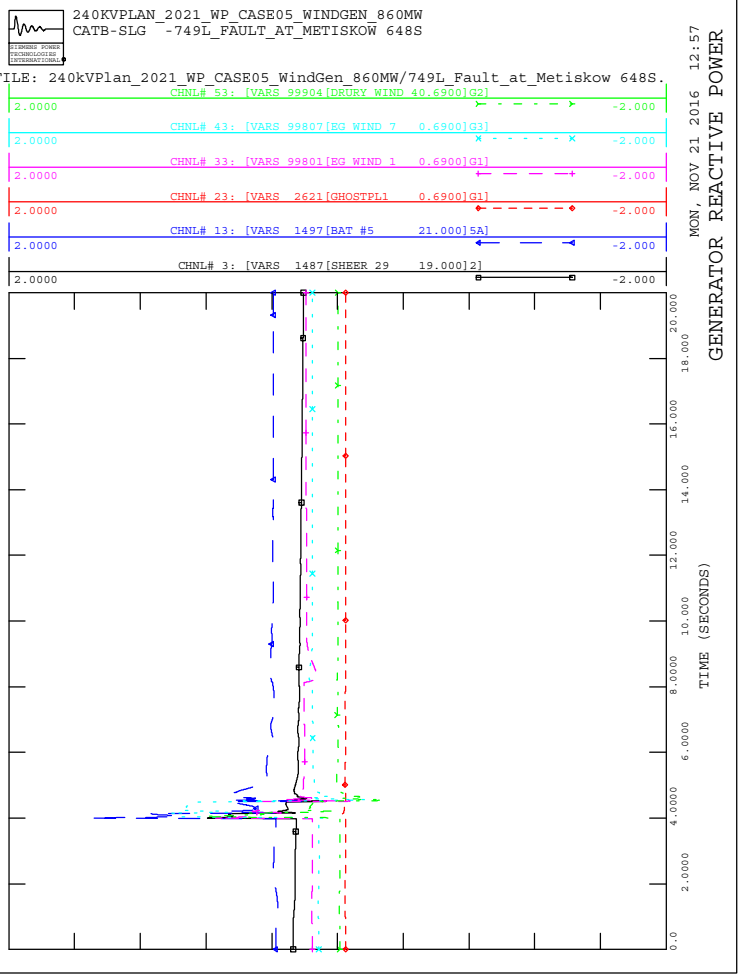
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)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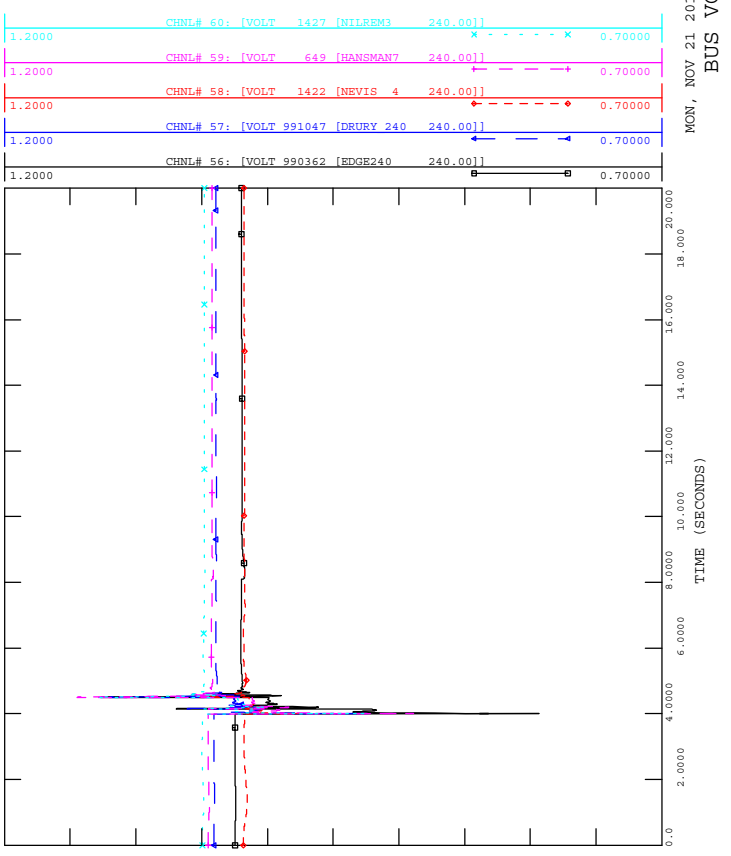
CATB-SLG -749L_FAULT_AT_METISKOW 648S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Metiskow 648S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.

MON, NOV 21 2016 12:57

BUS VOLTAGE

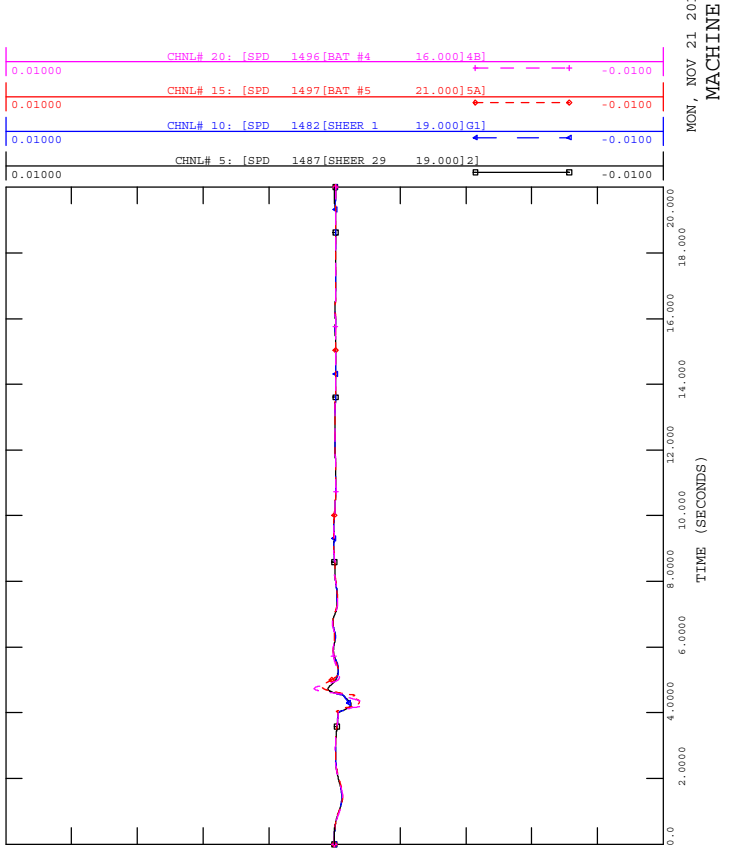


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.

MON, NOV 21 2016 12:57

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

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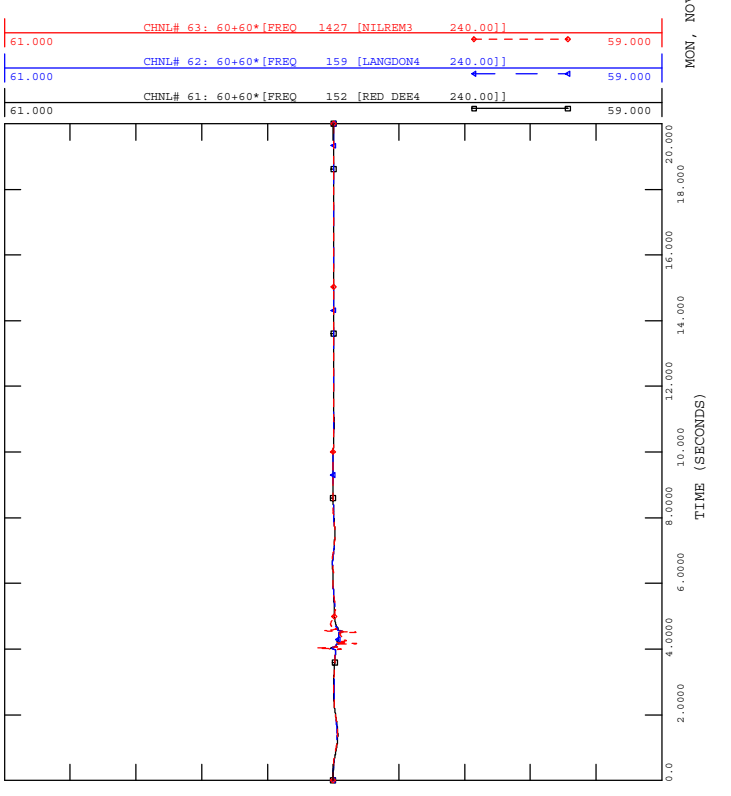
MON, NOV 21 2016 12:57

FREQUENCY

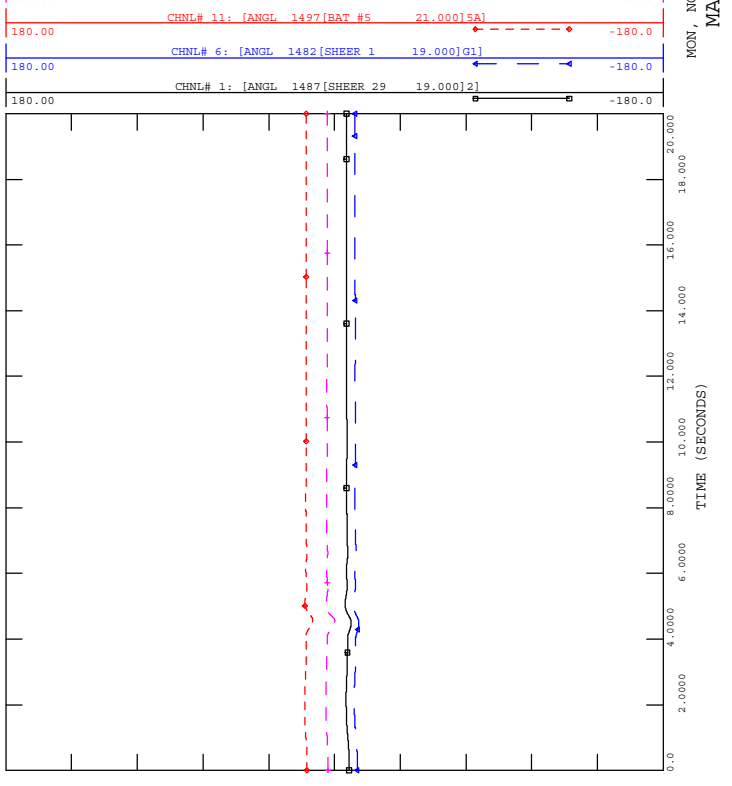


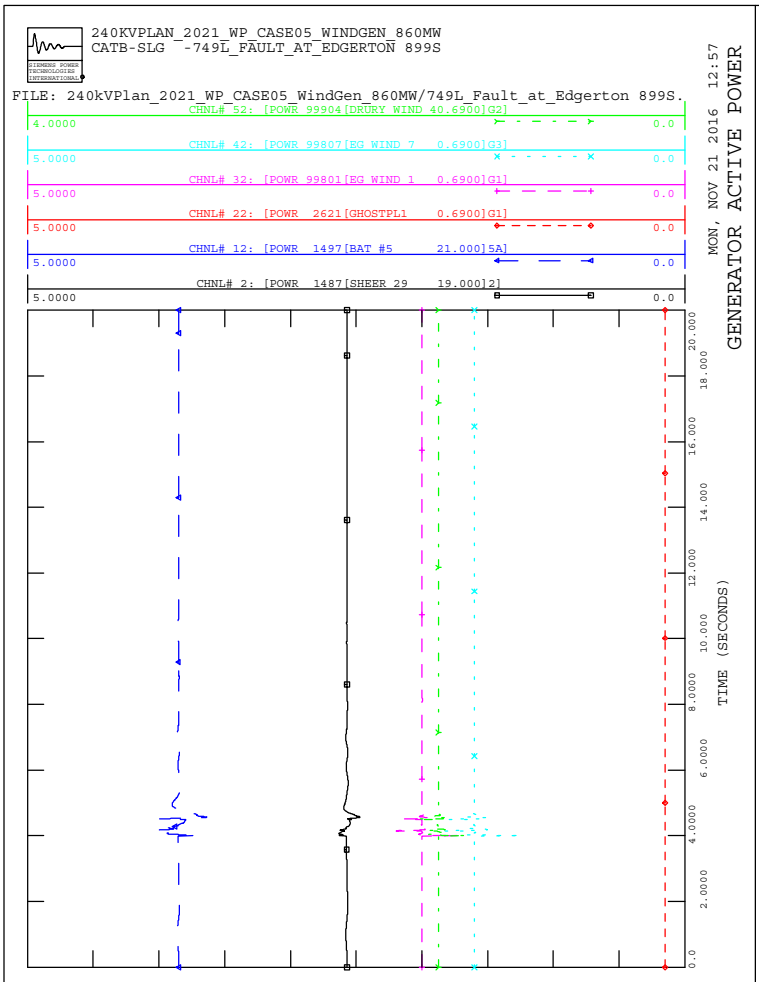
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S

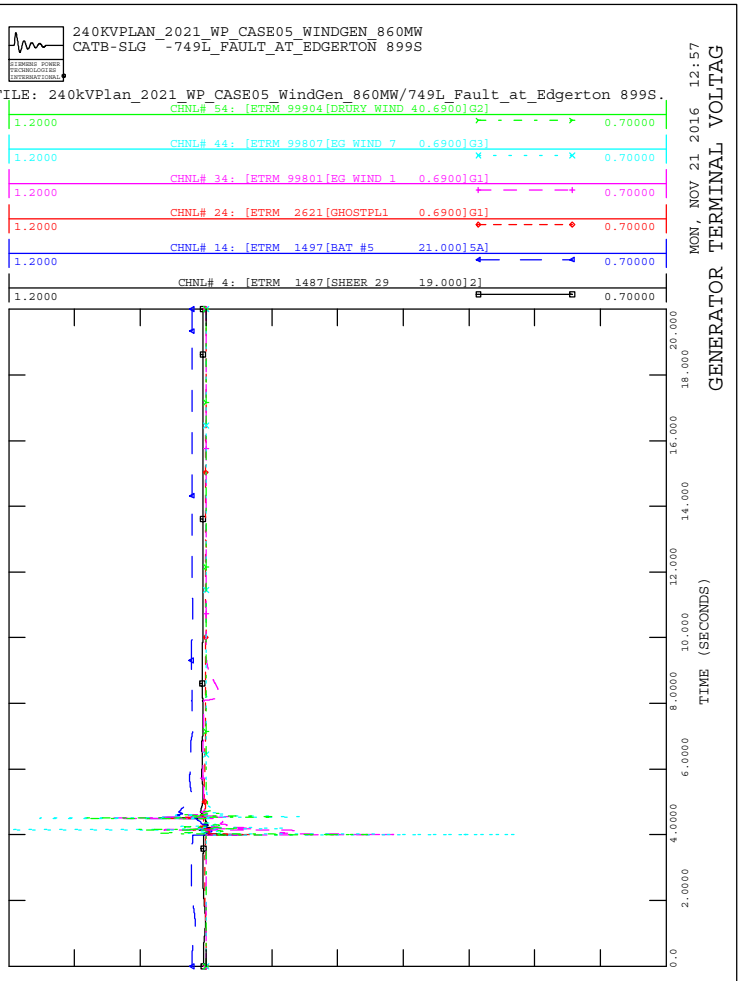
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.

MON, NOV 21 2016 12:57

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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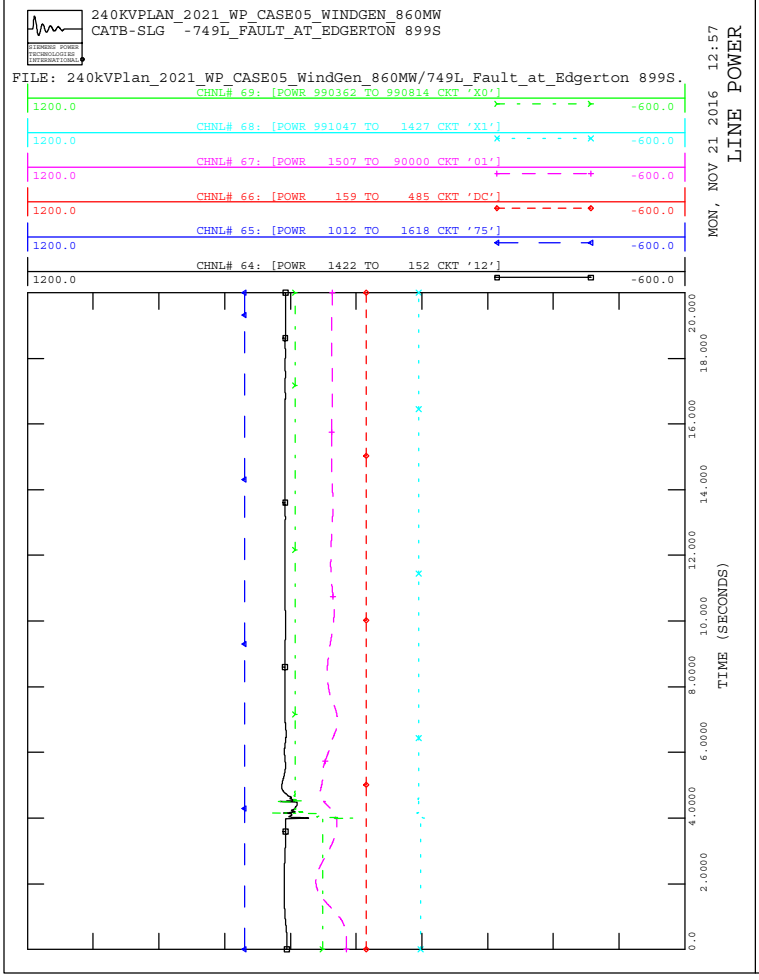
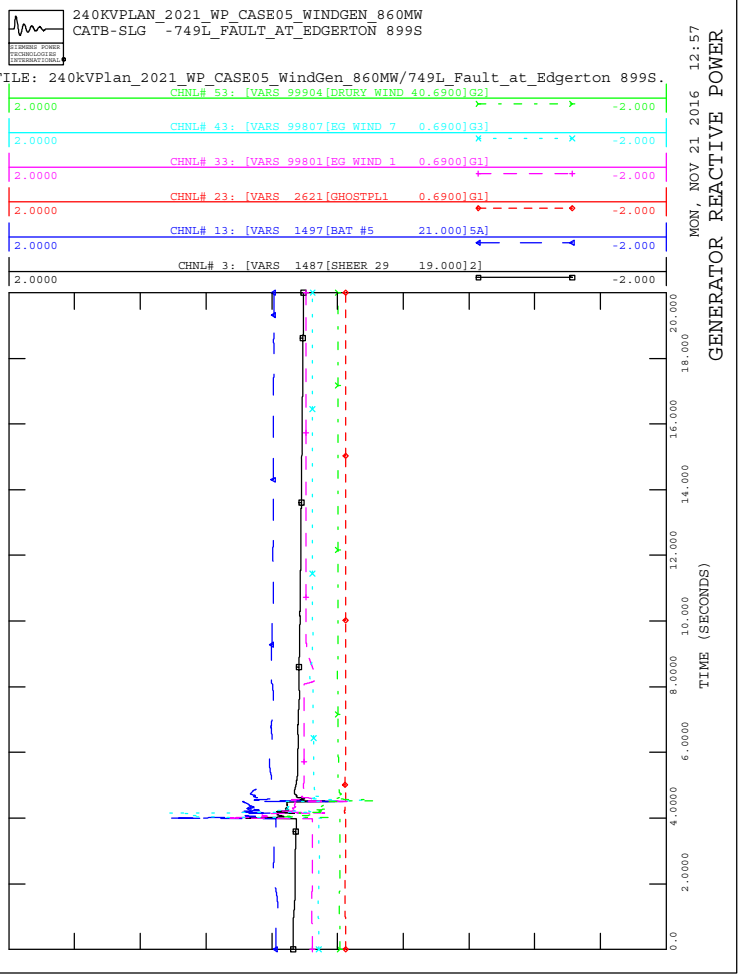
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

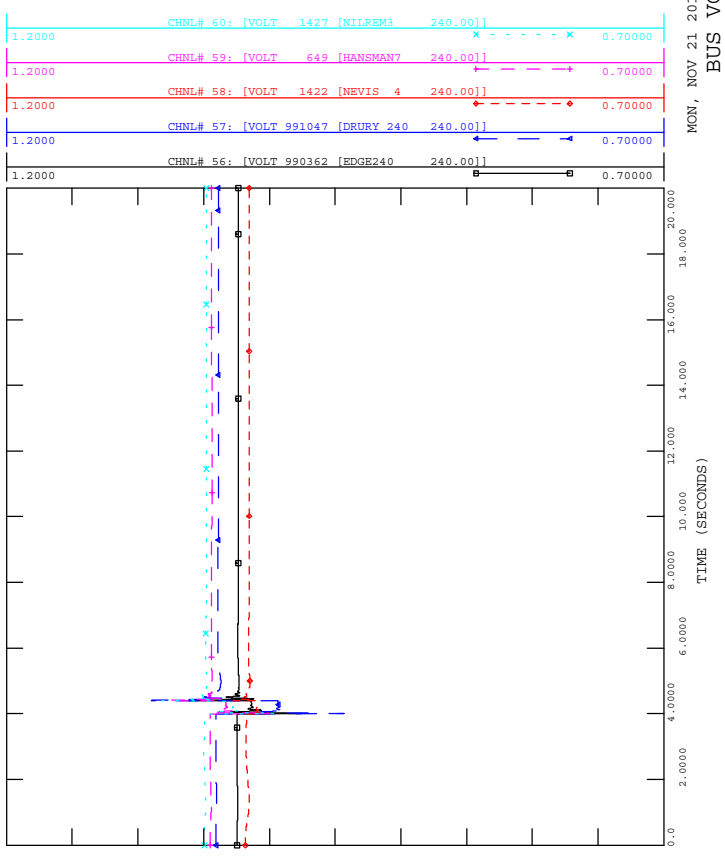

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -749L_FAULT_AT_EDGERTON 899S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_Fault_at_Edgerton 899S.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7

MON, NOV 21 2016 12:57

BUS VOLTAGE

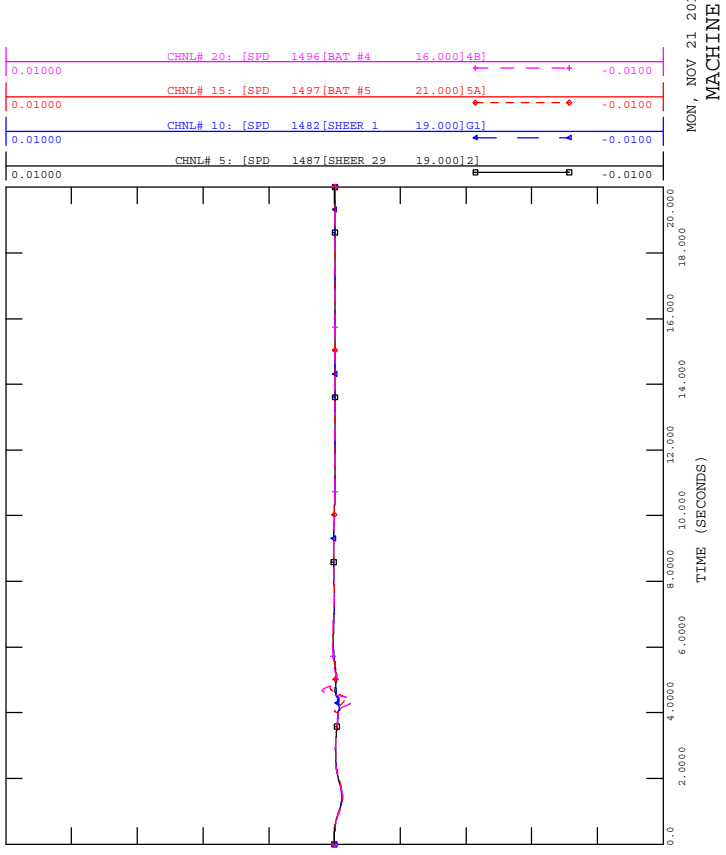


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7

MON, NOV 21 2016 12:57

MACHINE SPEED

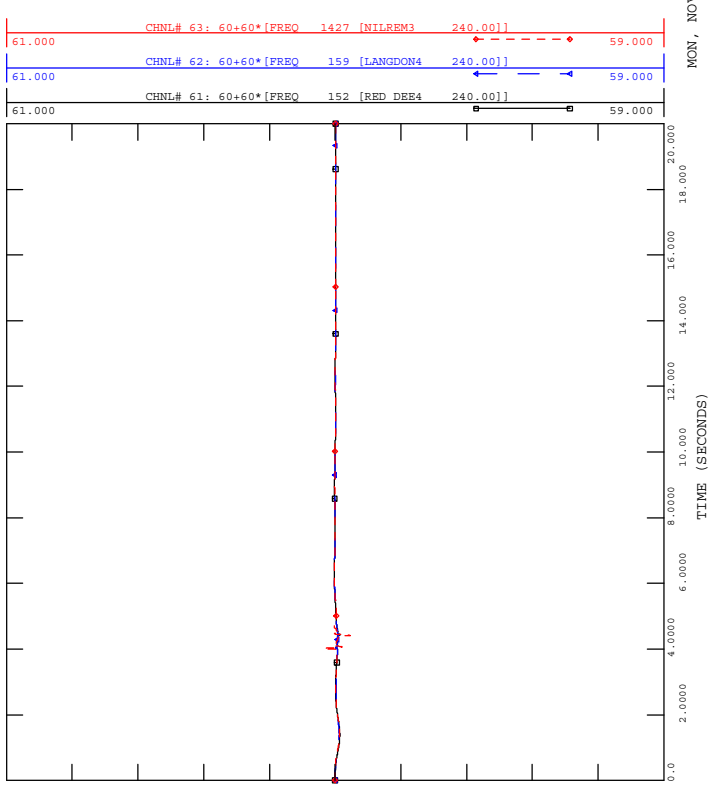


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7

MON, NOV 21 2016 12:57

FREQUENCY

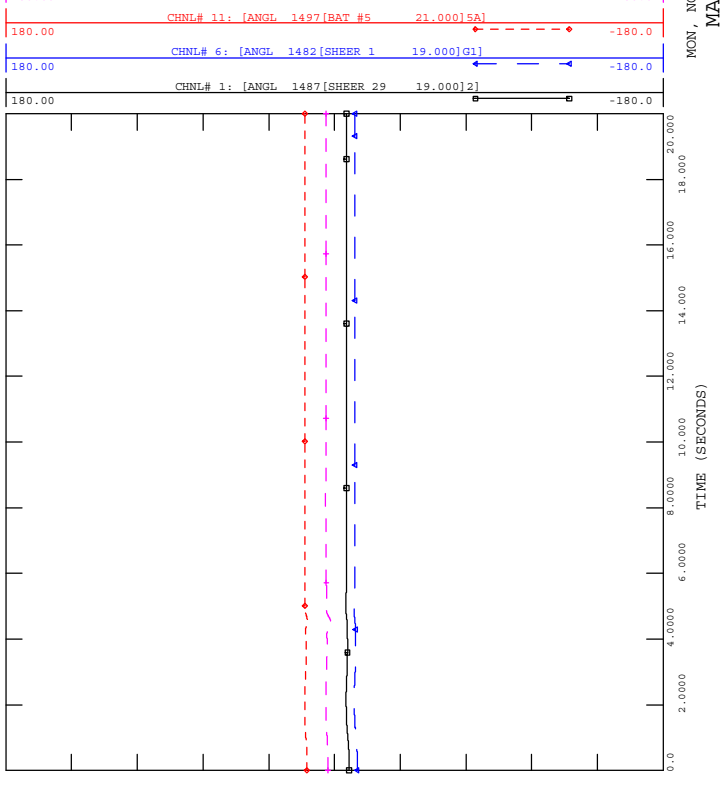


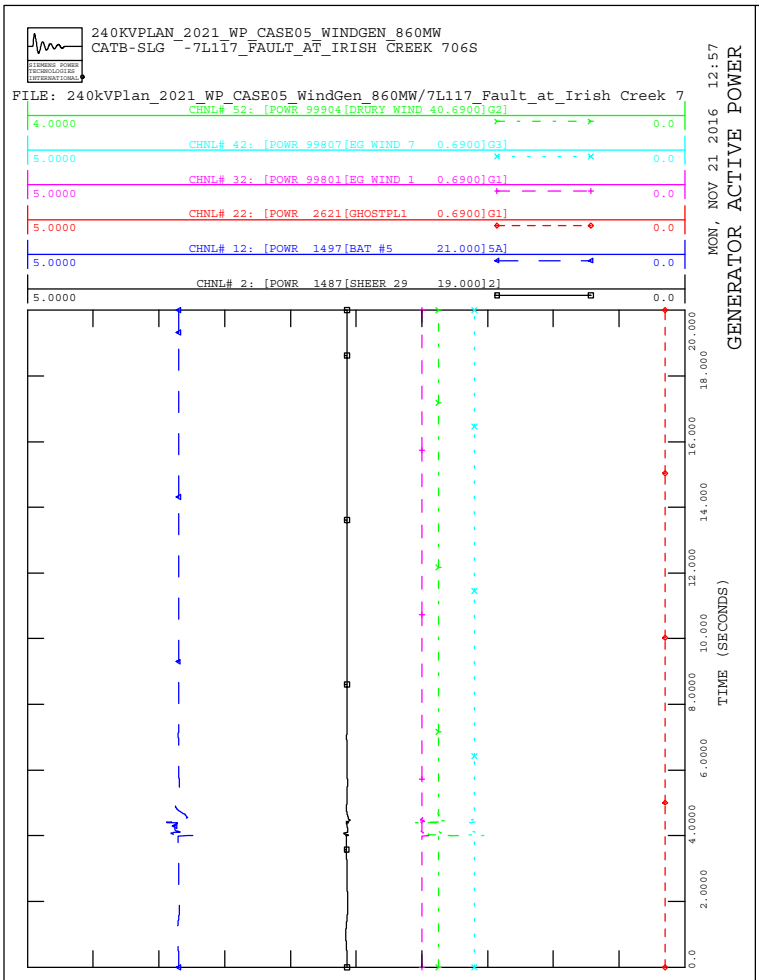
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S

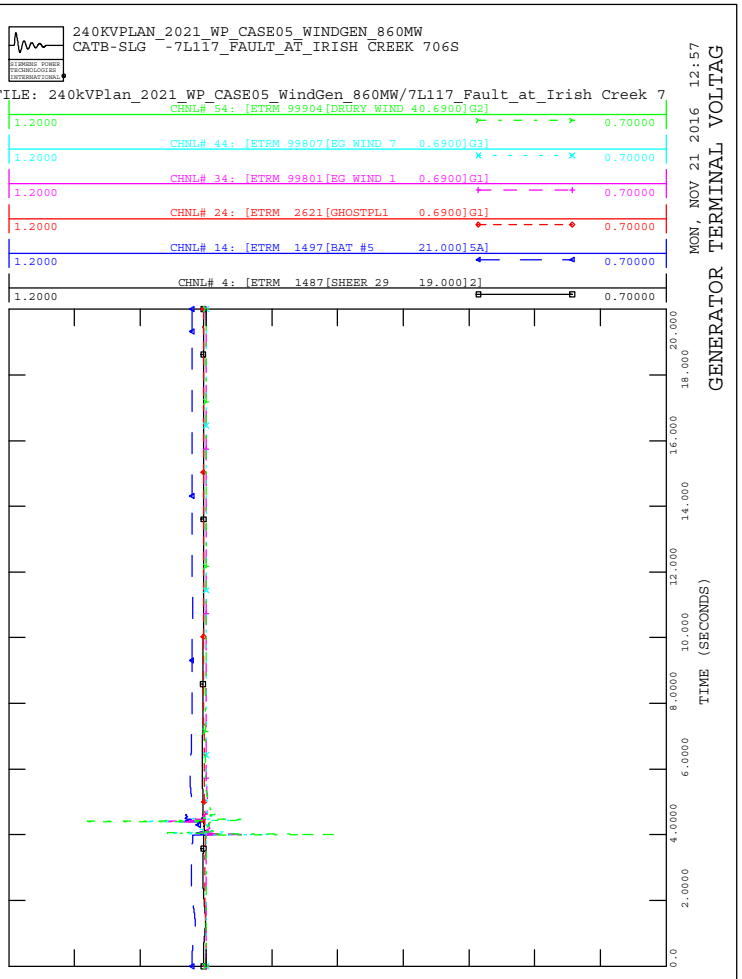
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7

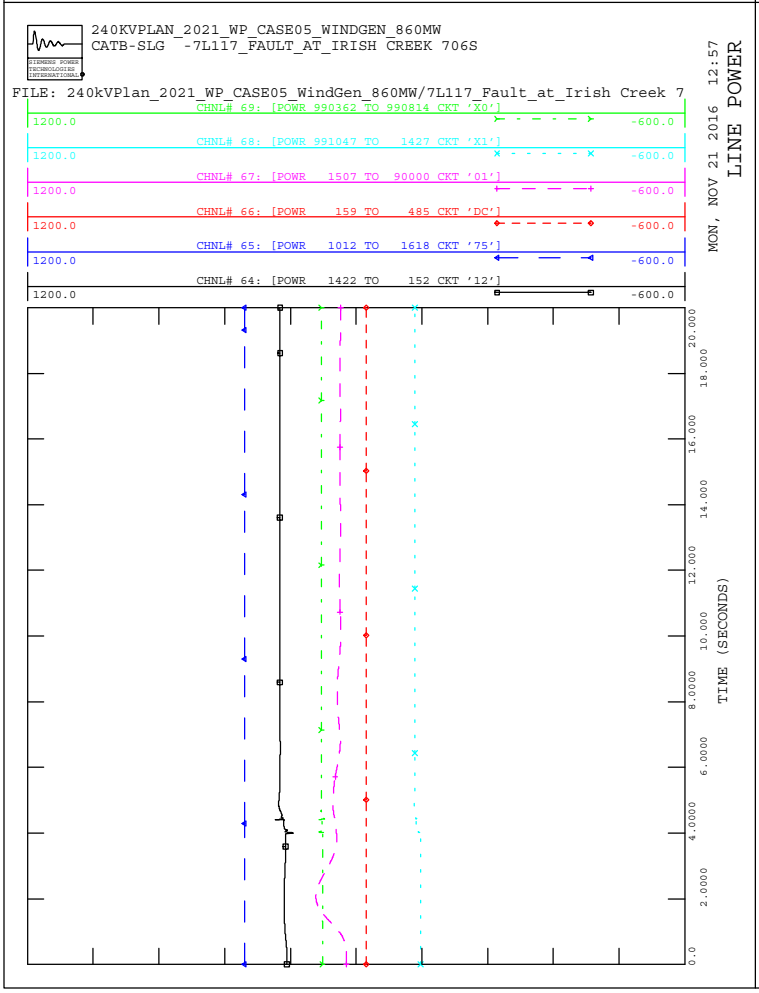
MON, NOV 21 2016 12:57

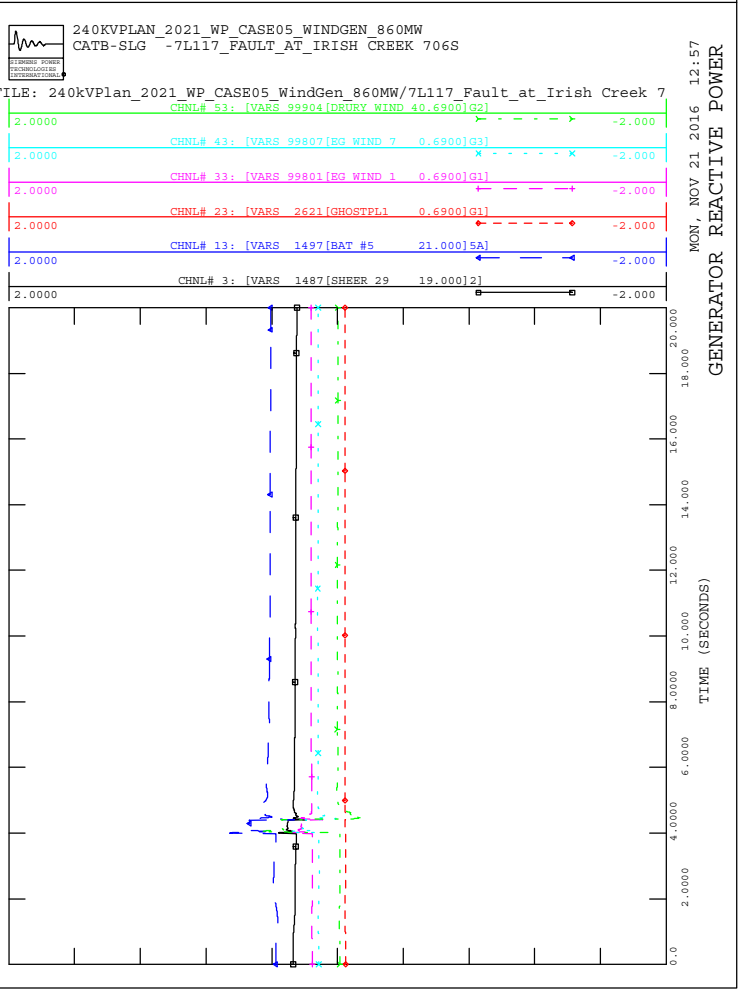
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:57
LINE POWER

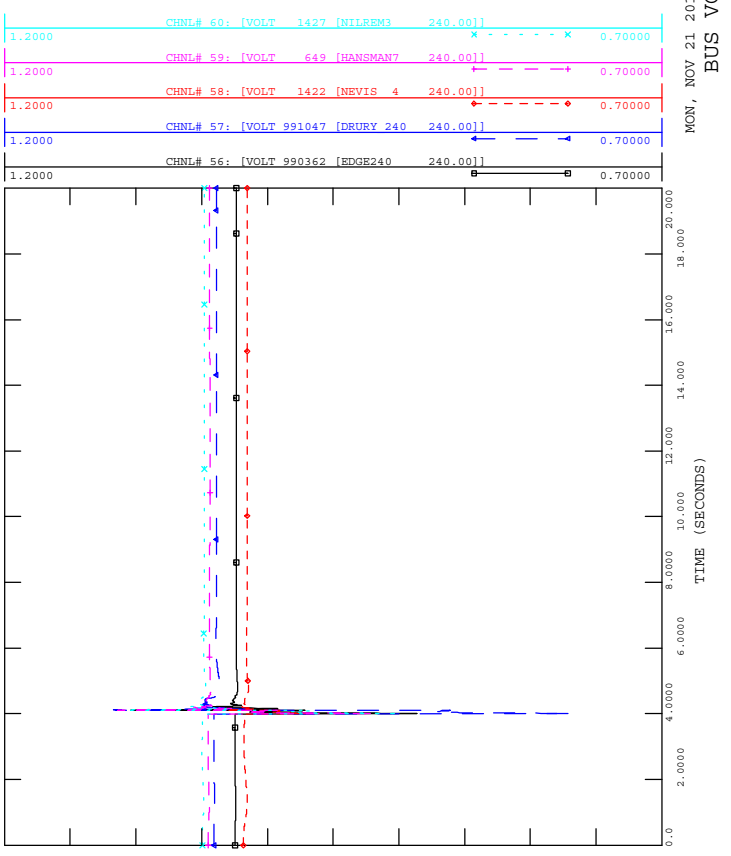

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_IRISH CREEK 706S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Irish Creek 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71

MON, NOV 21 2016 12:57

BUS VOLTAGE

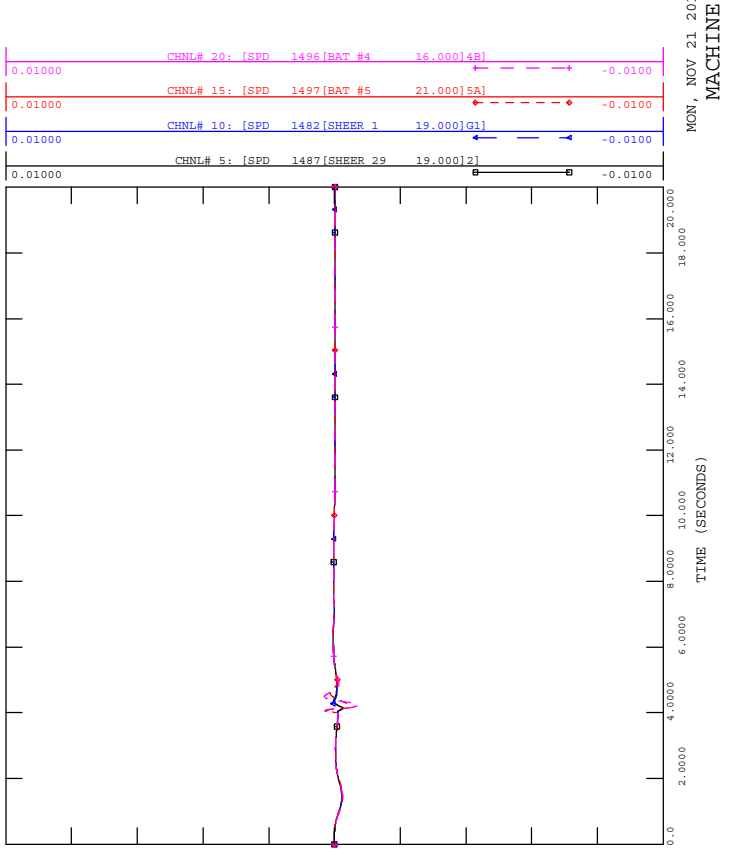


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71

MON, NOV 21 2016 12:57

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

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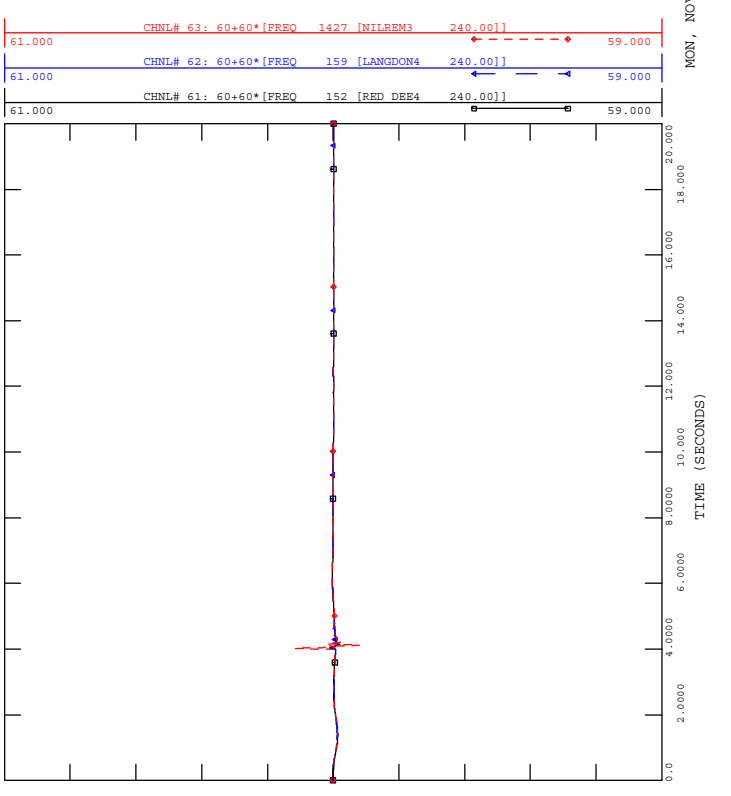
MON, NOV 21 2016 12:57

FREQUENCY

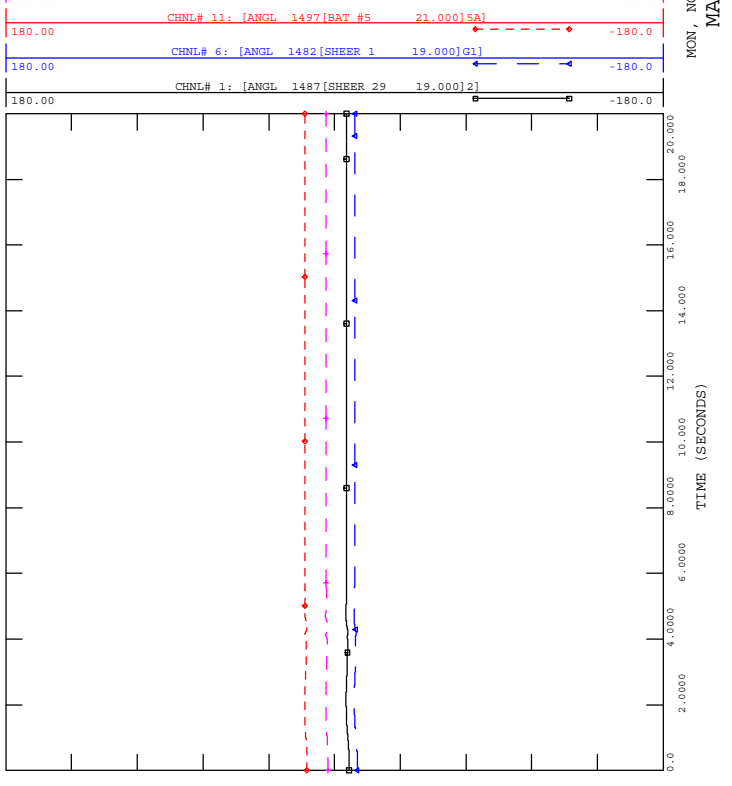


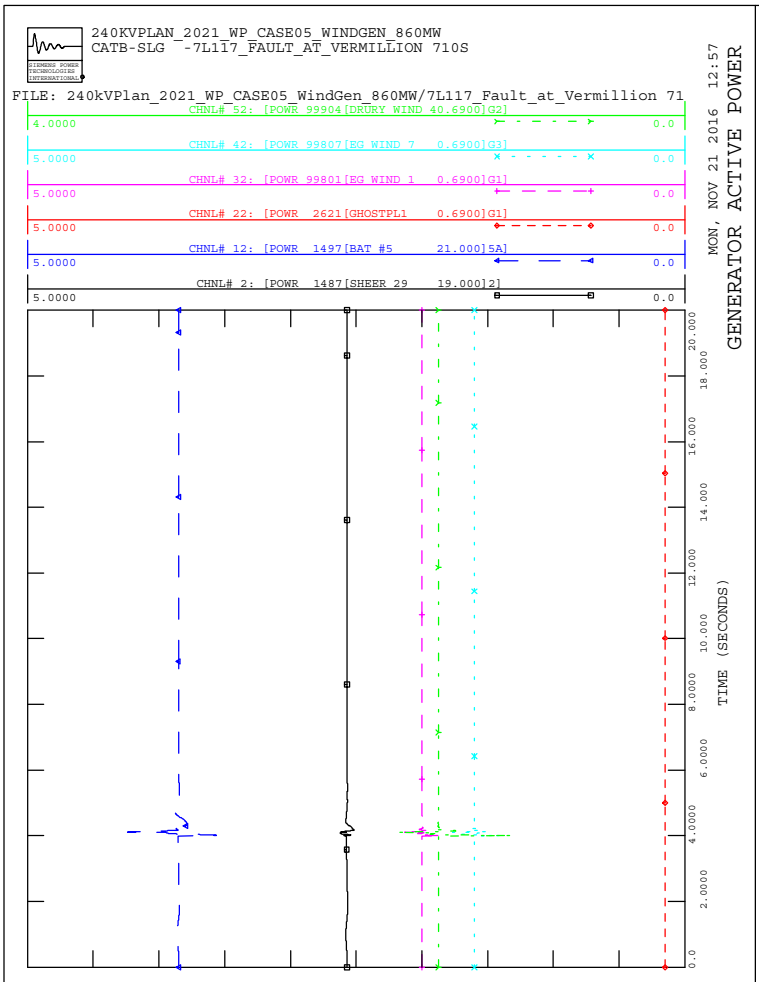
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S

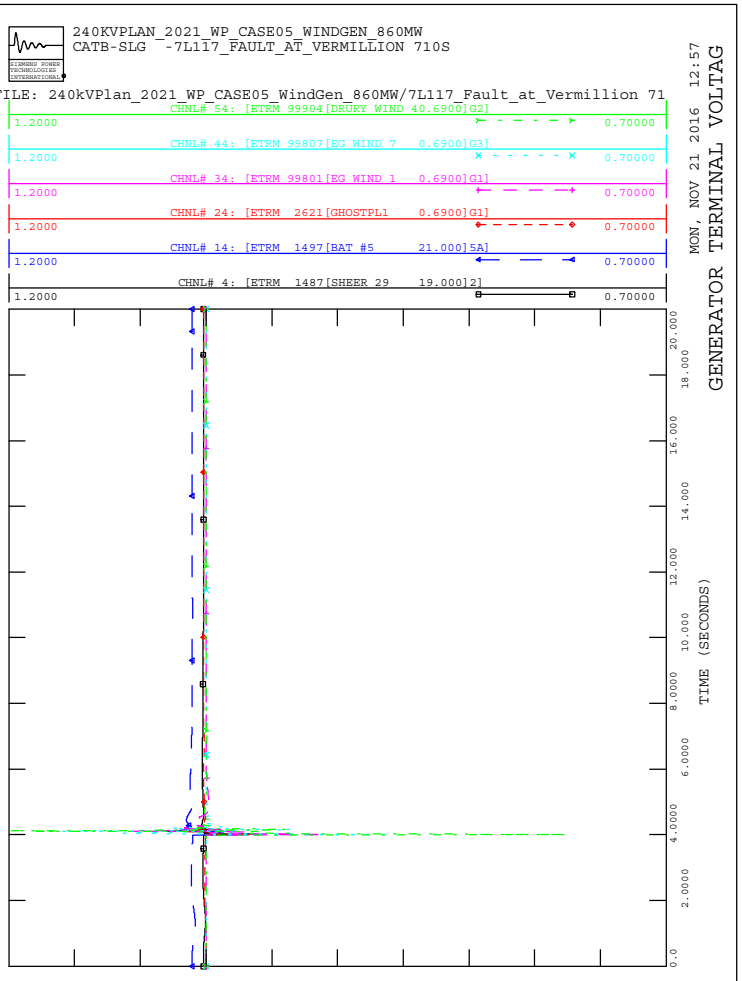
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71

MON, NOV 21 2016 12:57

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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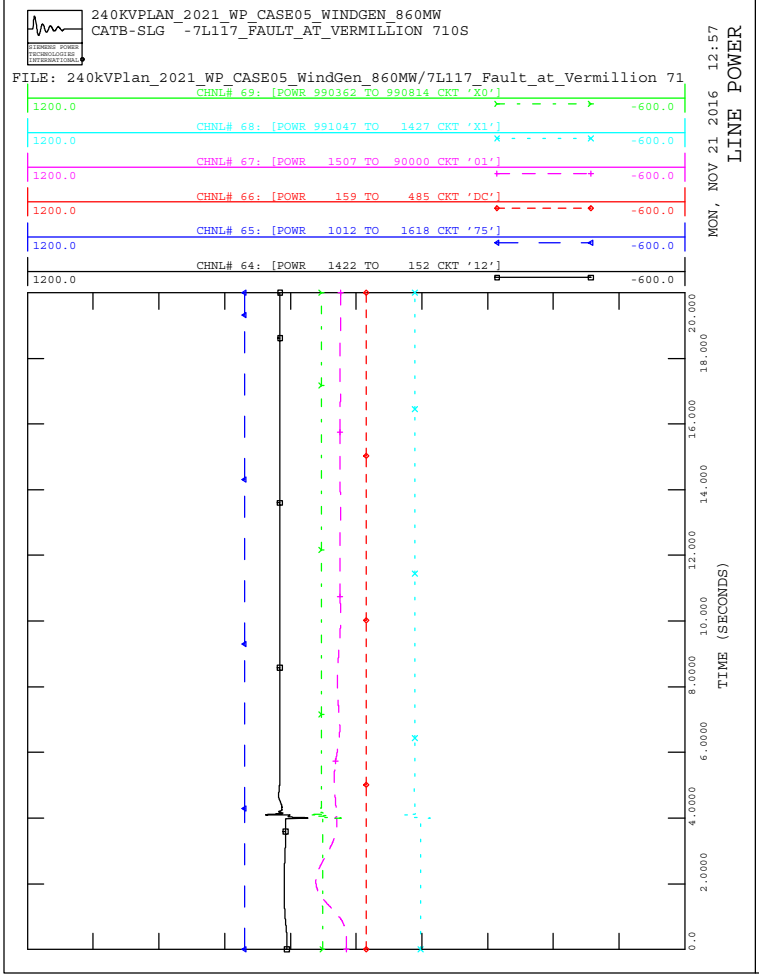
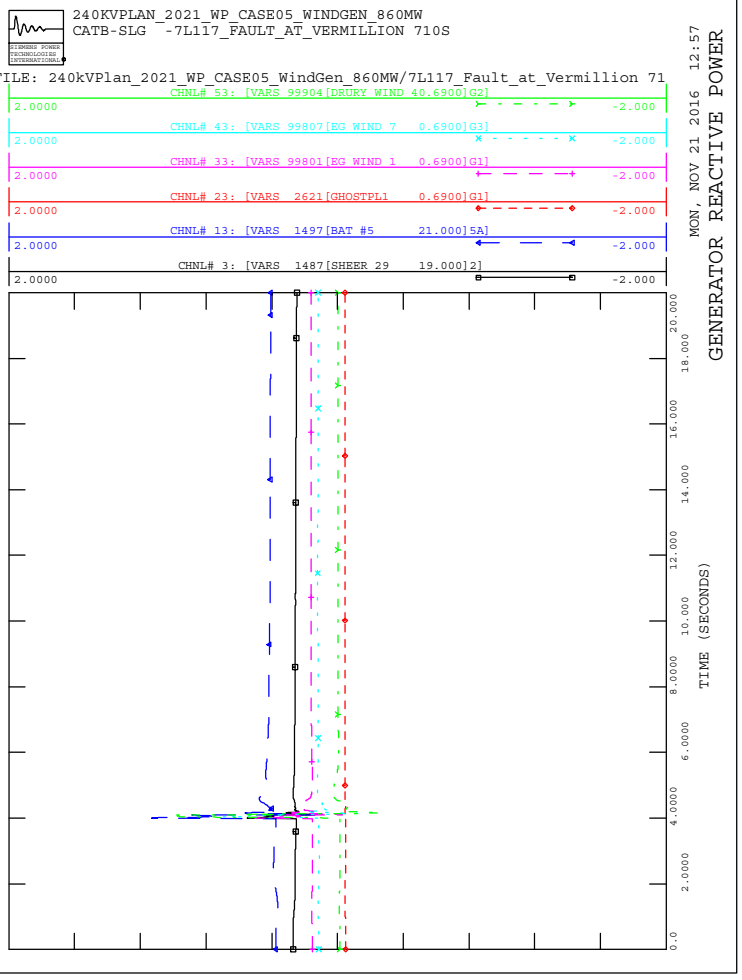
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

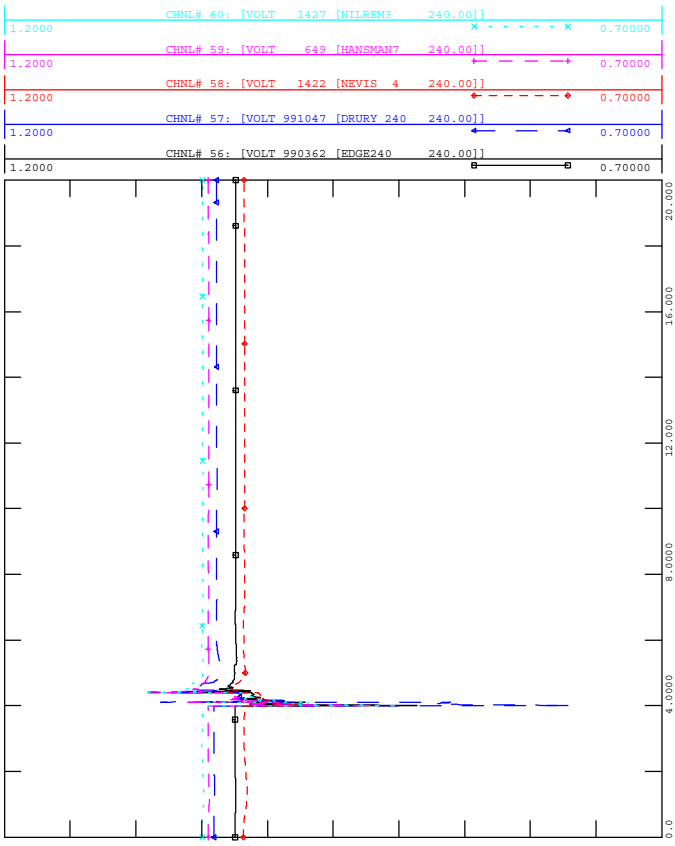

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L117_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 12:57

BUS VOLTAGE

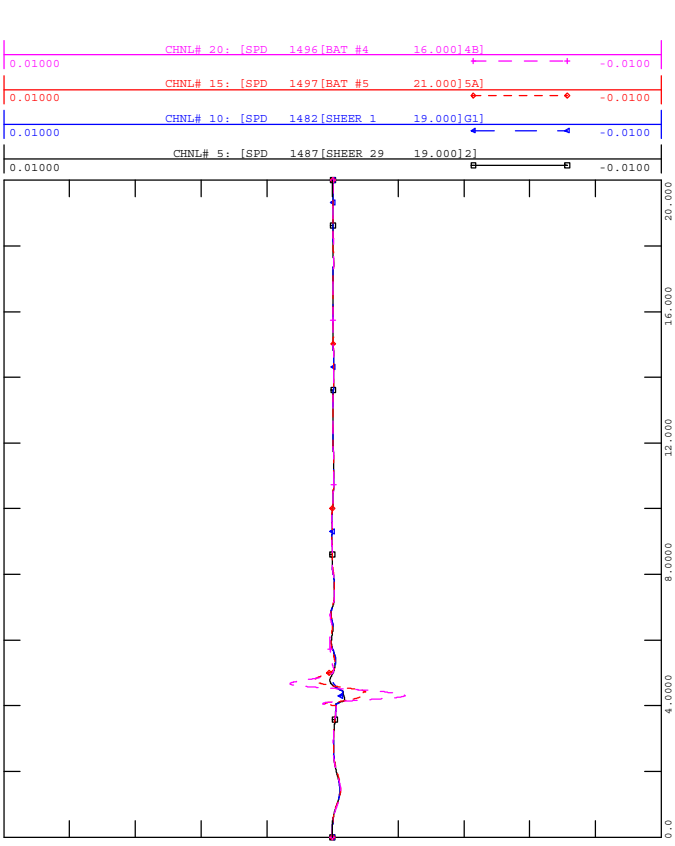


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 12:57

MACHINE SPEED

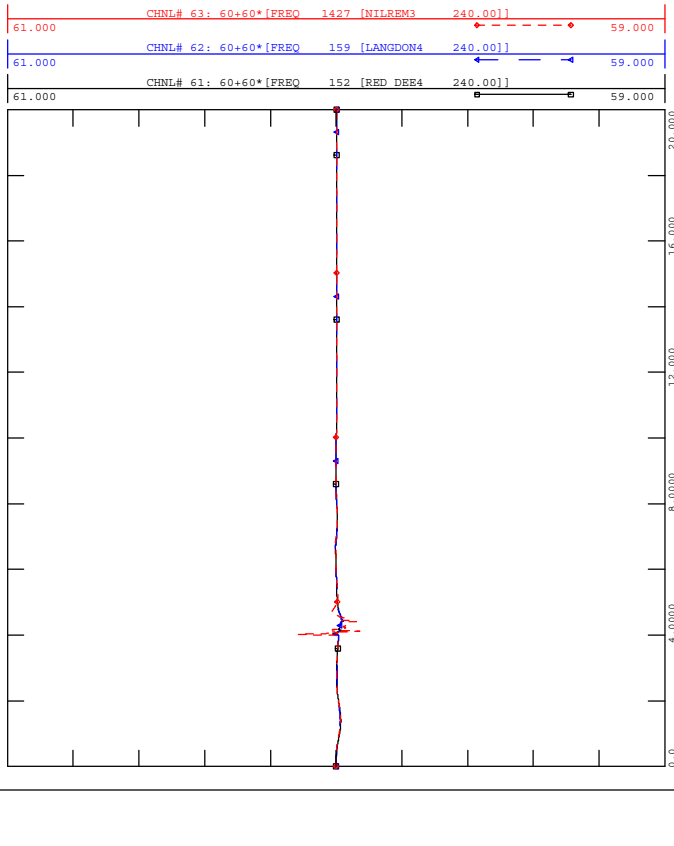


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71

MON, NOV 21 2016 12:57

FREQUENCY

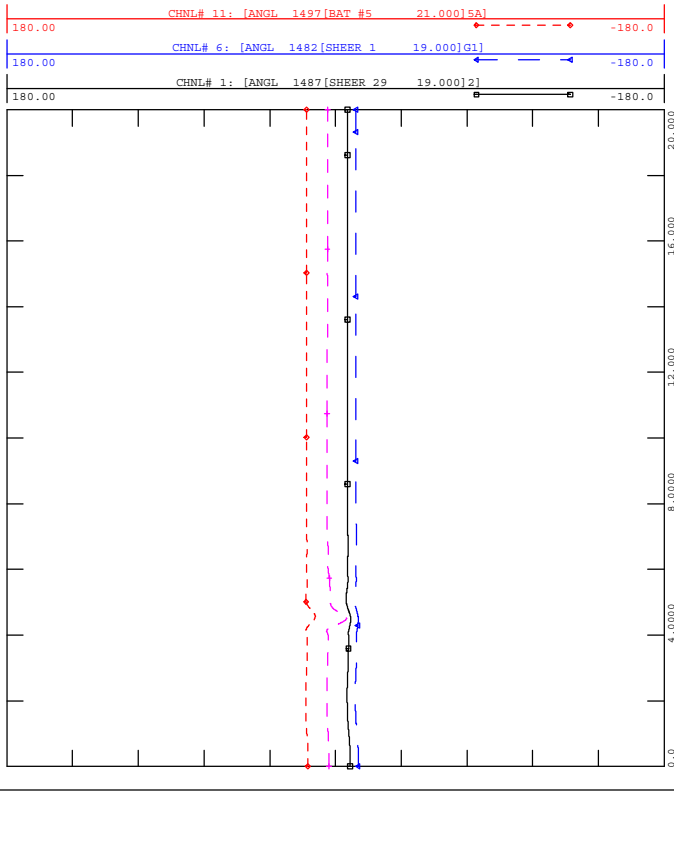


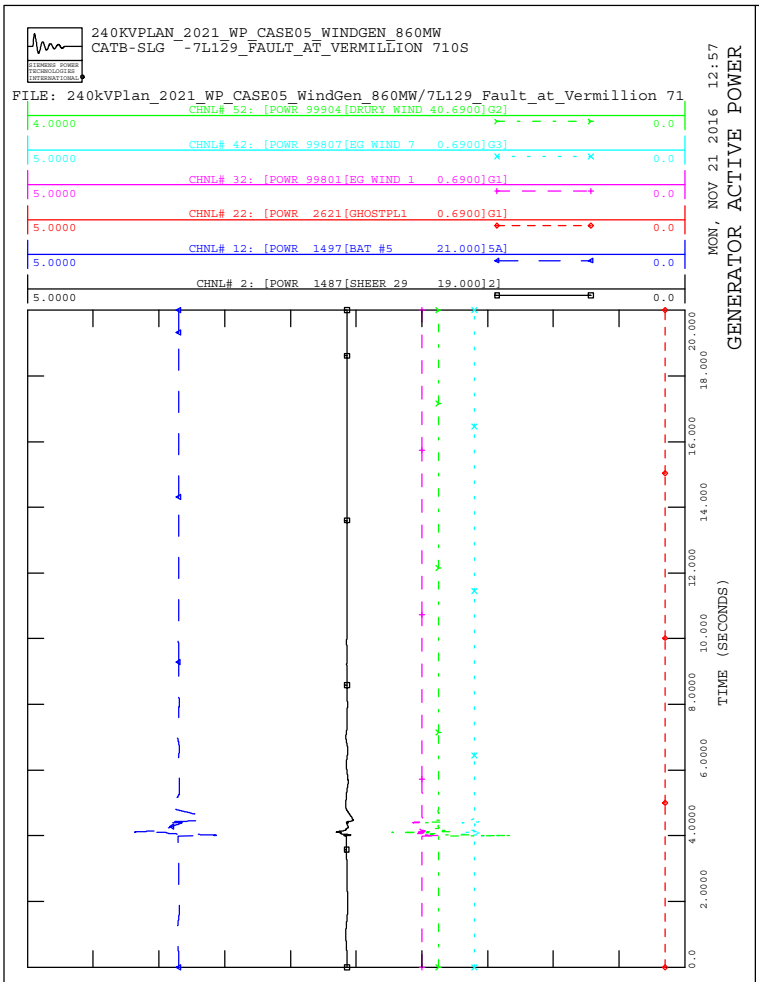
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S

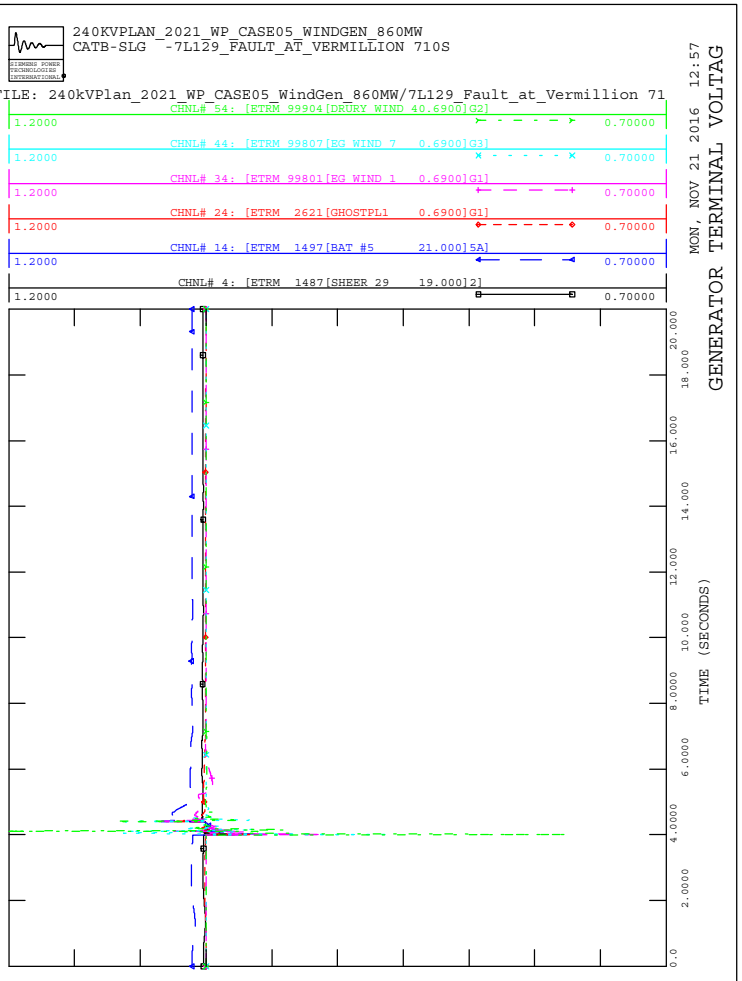
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71

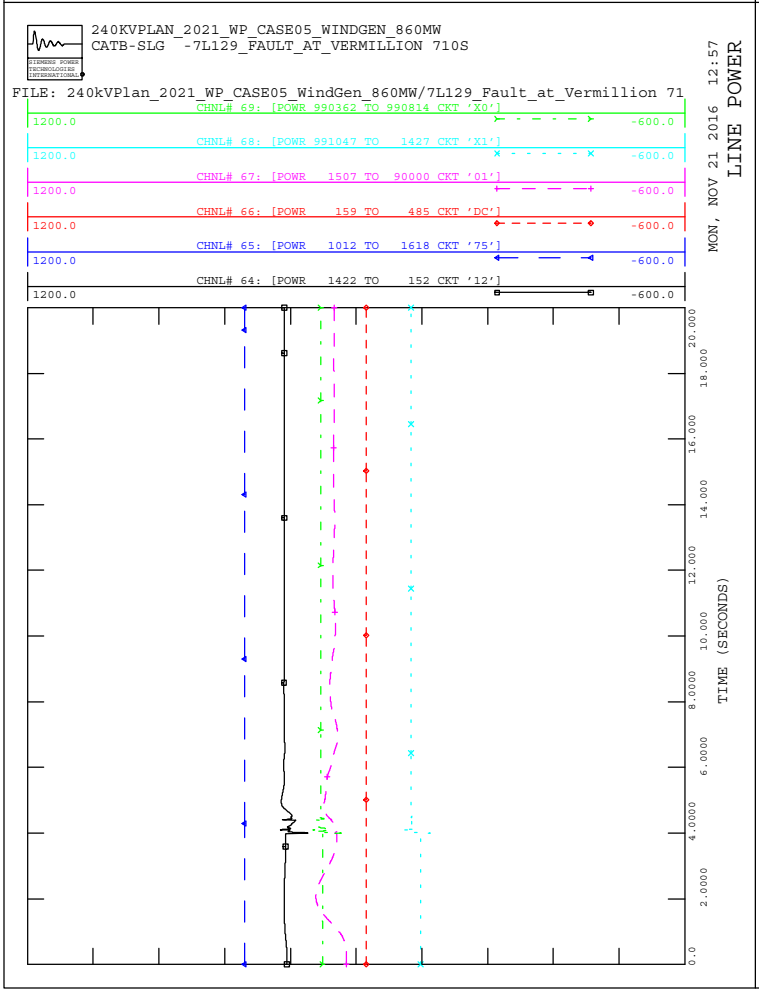
MON, NOV 21 2016 12:57

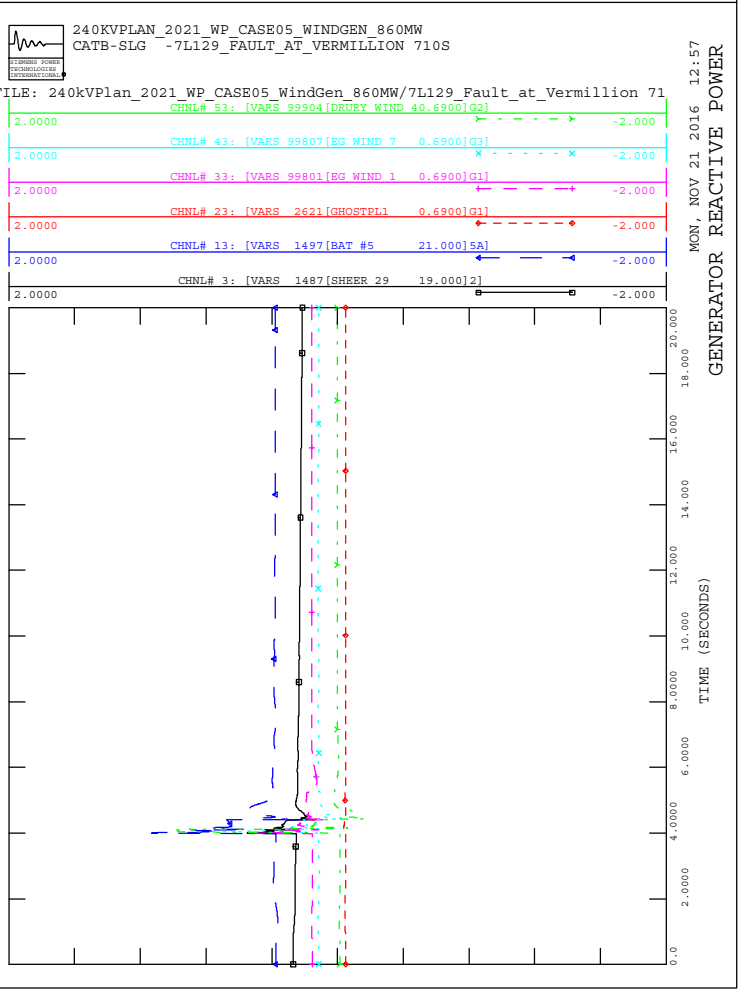
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:57
LINE POWER
TIME (SECONDS)

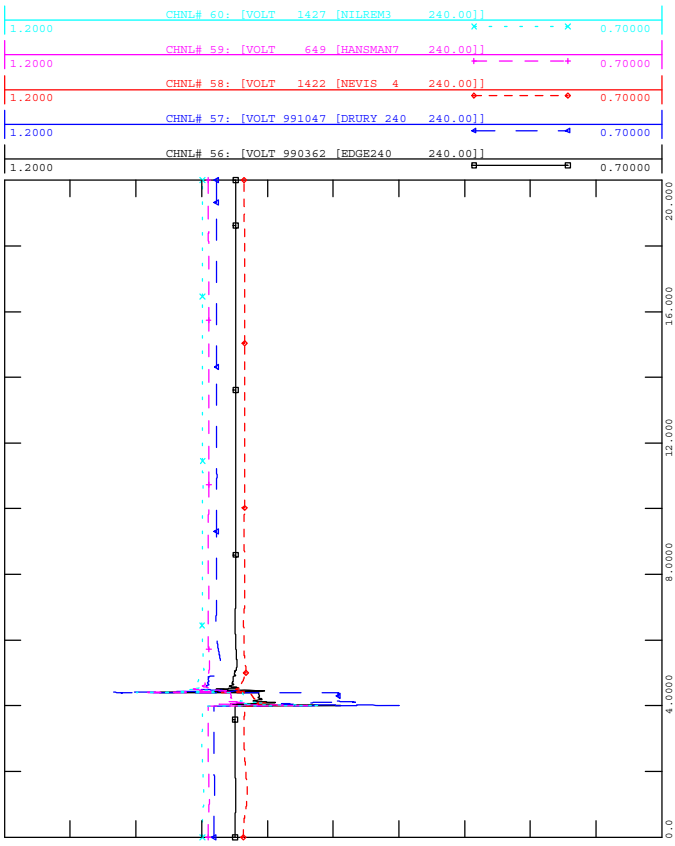

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:57

BUS VOLTAGE

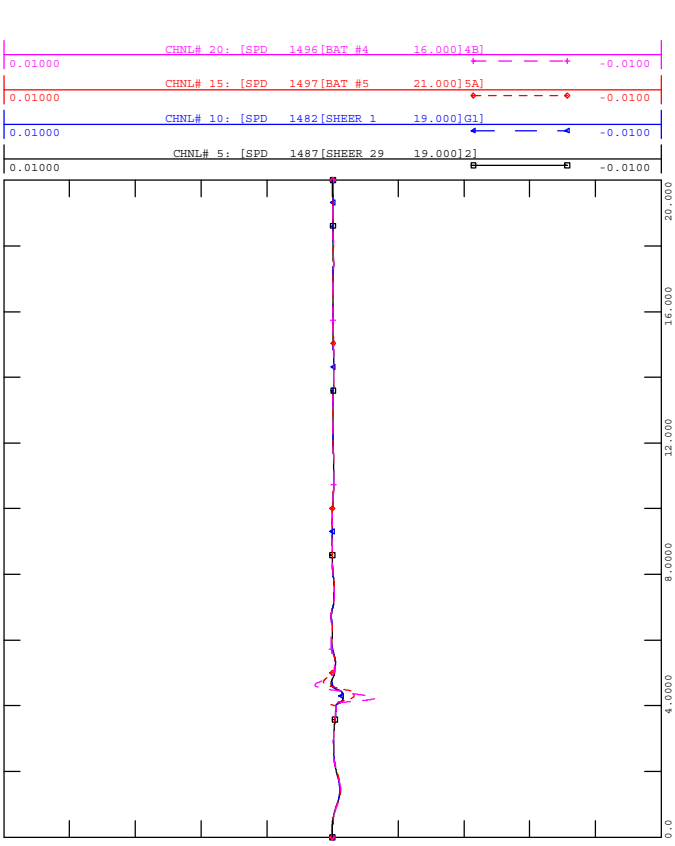


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:57

MACHINE SPEED

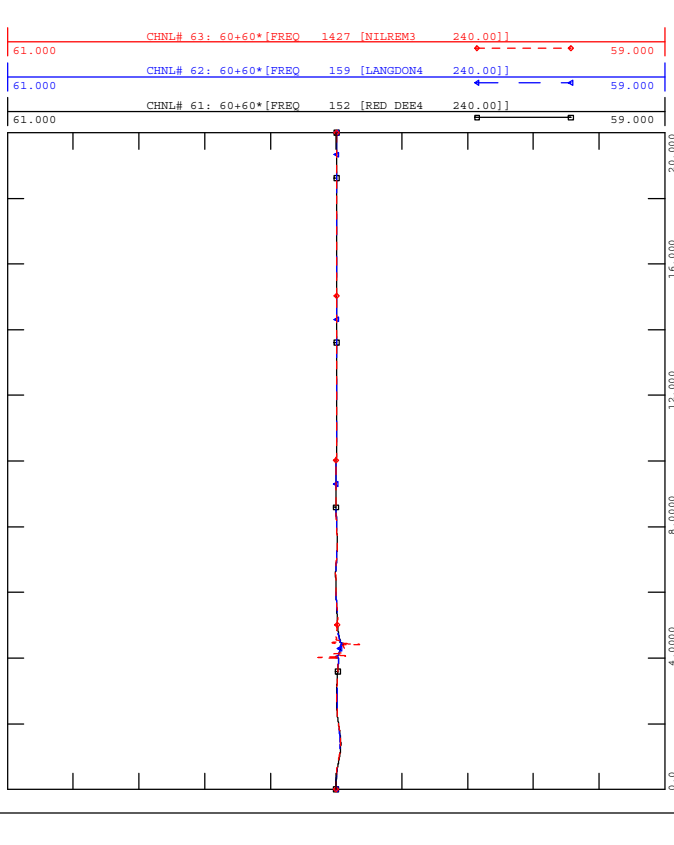


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:57

FREQUENCY

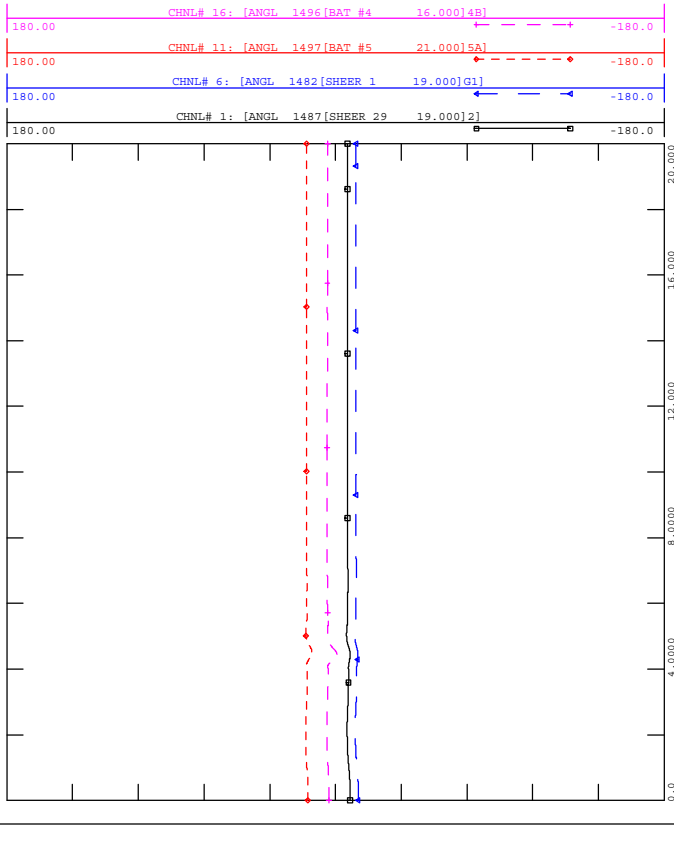


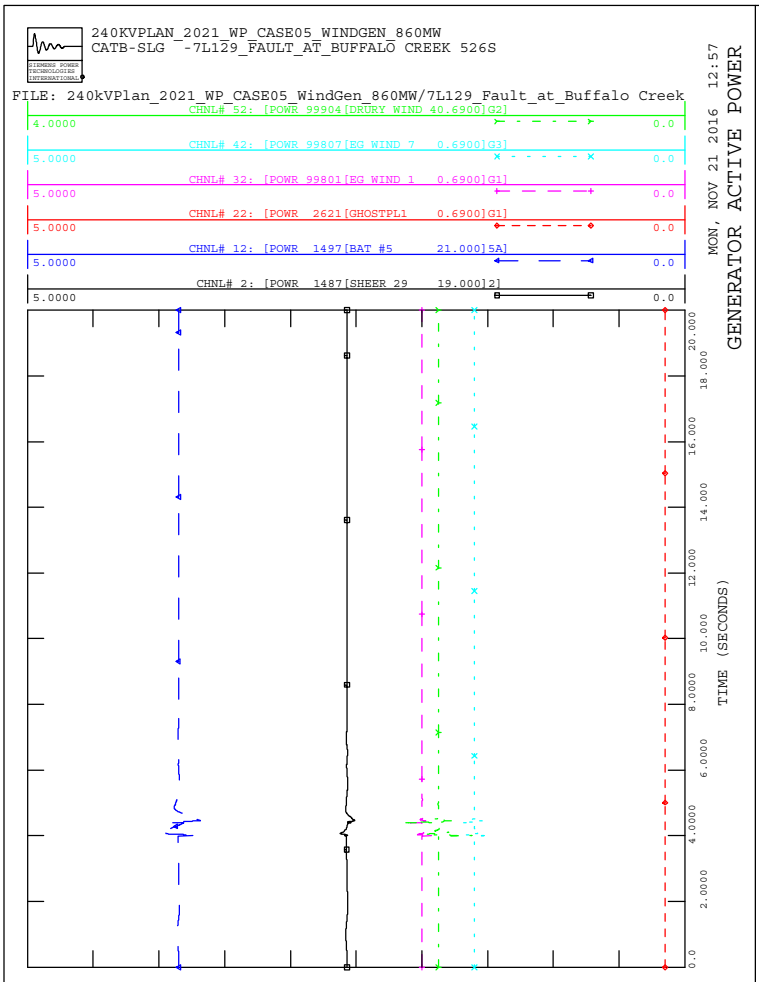
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S

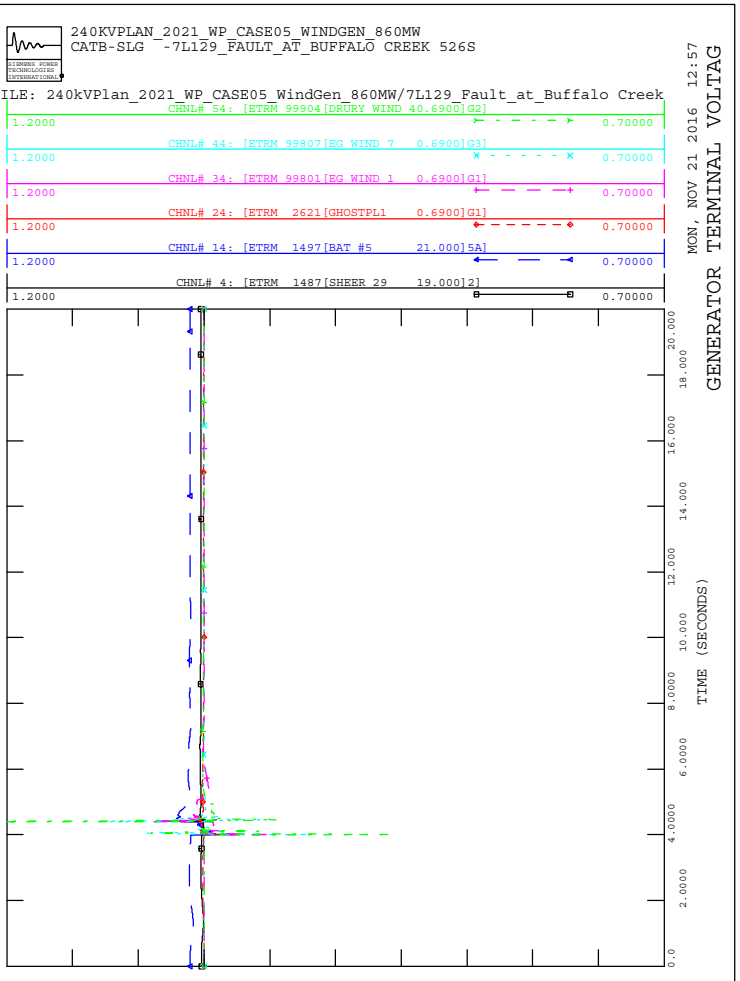
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek

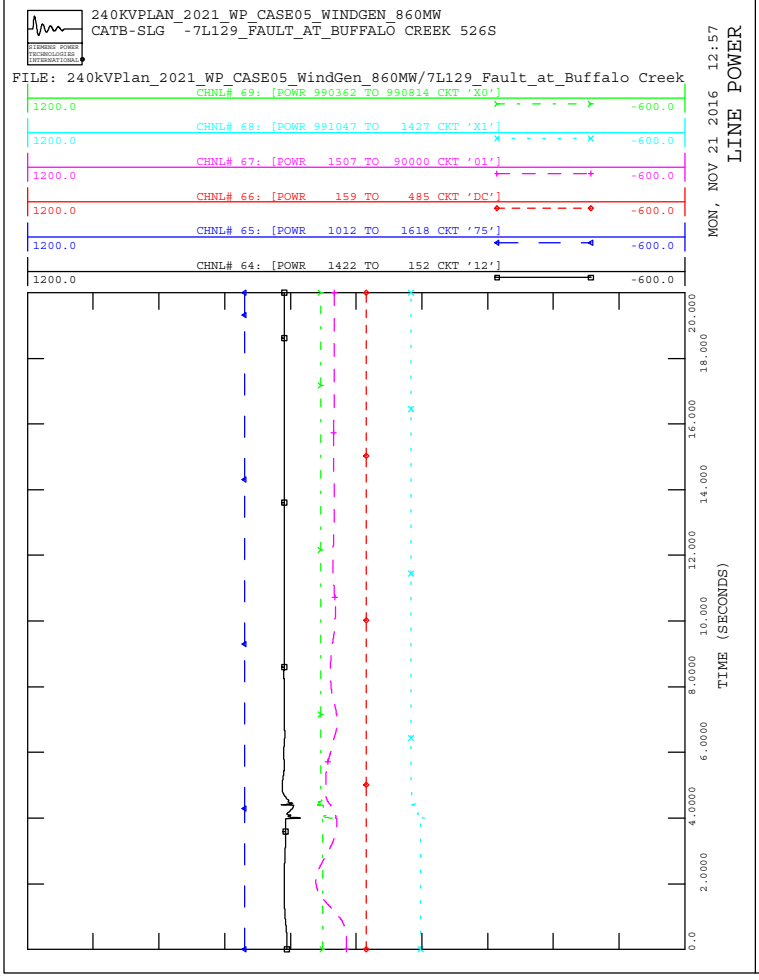
MON, NOV 21 2016 12:57

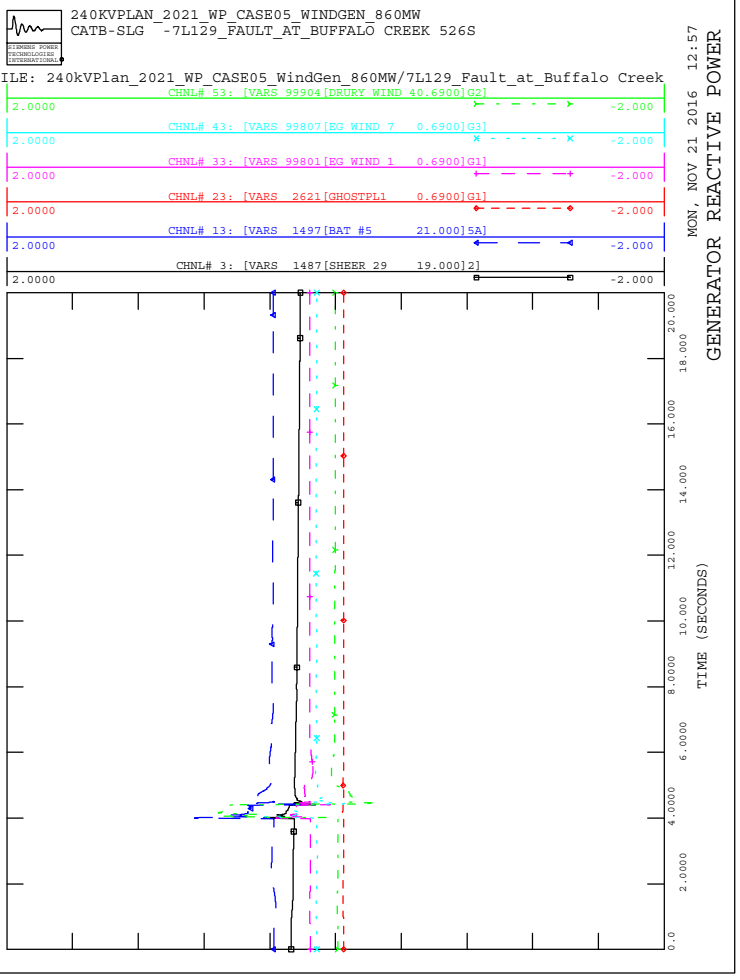
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:57
LINE POWER

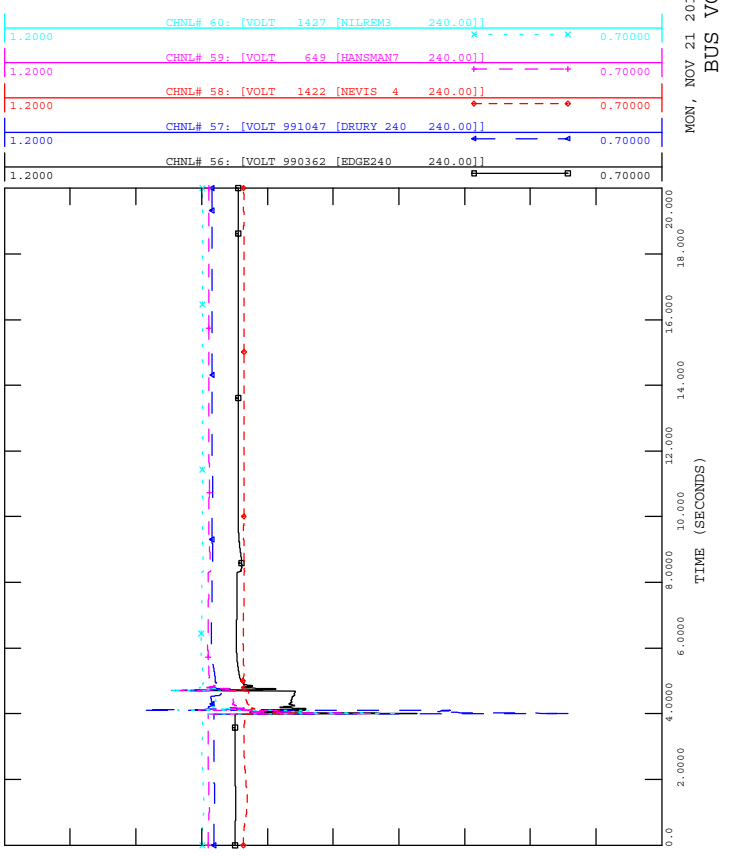

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L129_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 12:57

BUS VOLTAGE

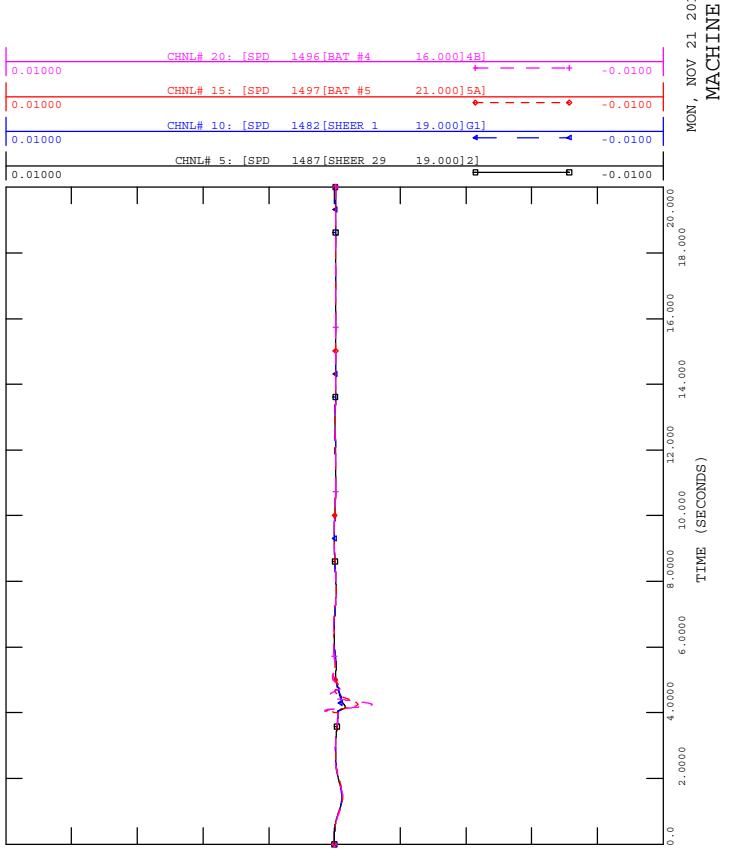


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 12:57

MACHINE SPEED

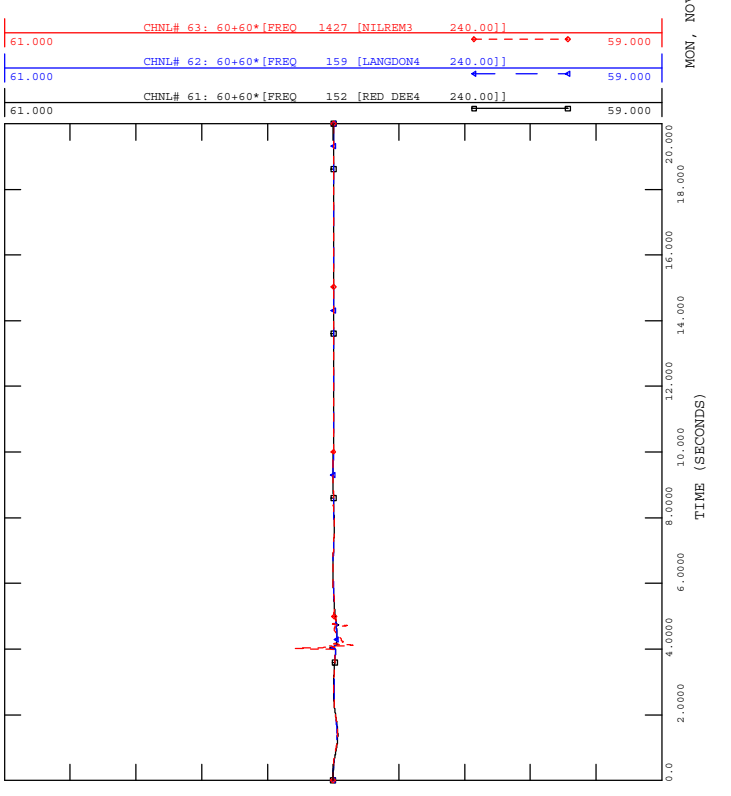


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71

MON, NOV 21 2016 12:57

FREQUENCY

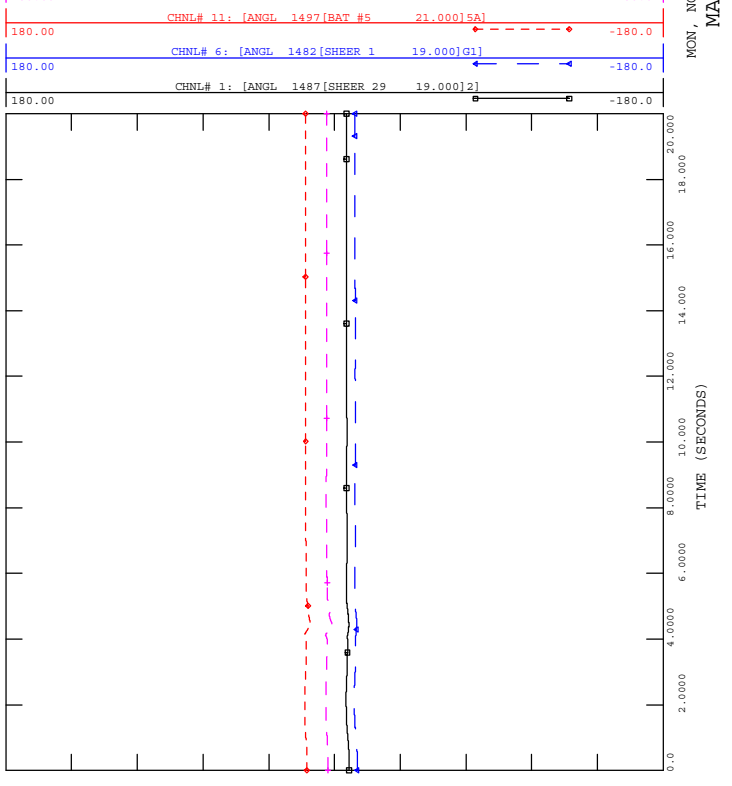


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71

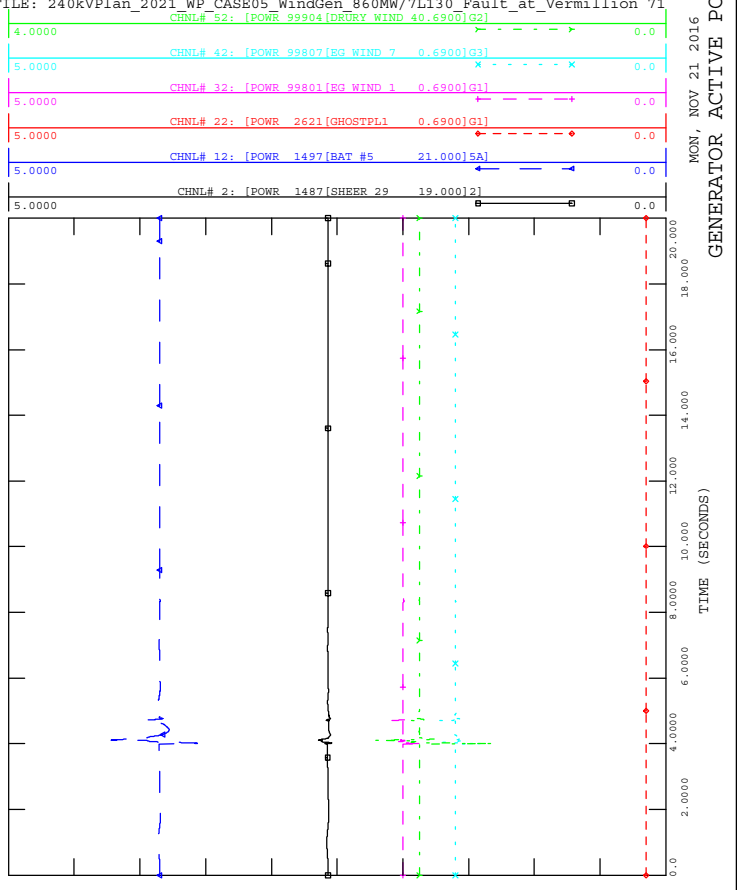
MON, NOV 21 2016 12:57

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71

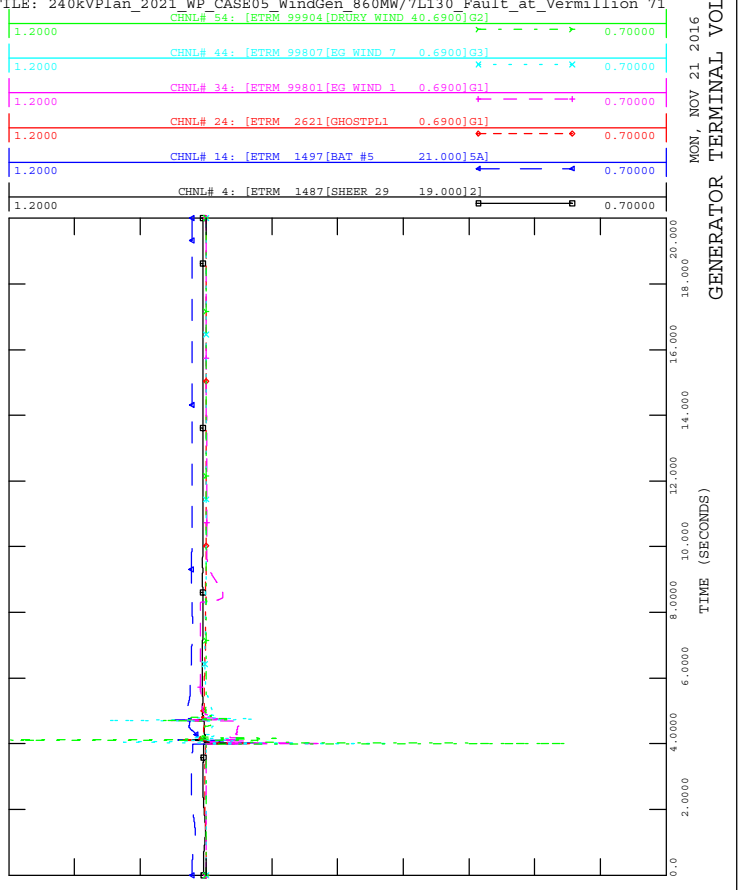


MON, NOV 21 2016 12:57

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71

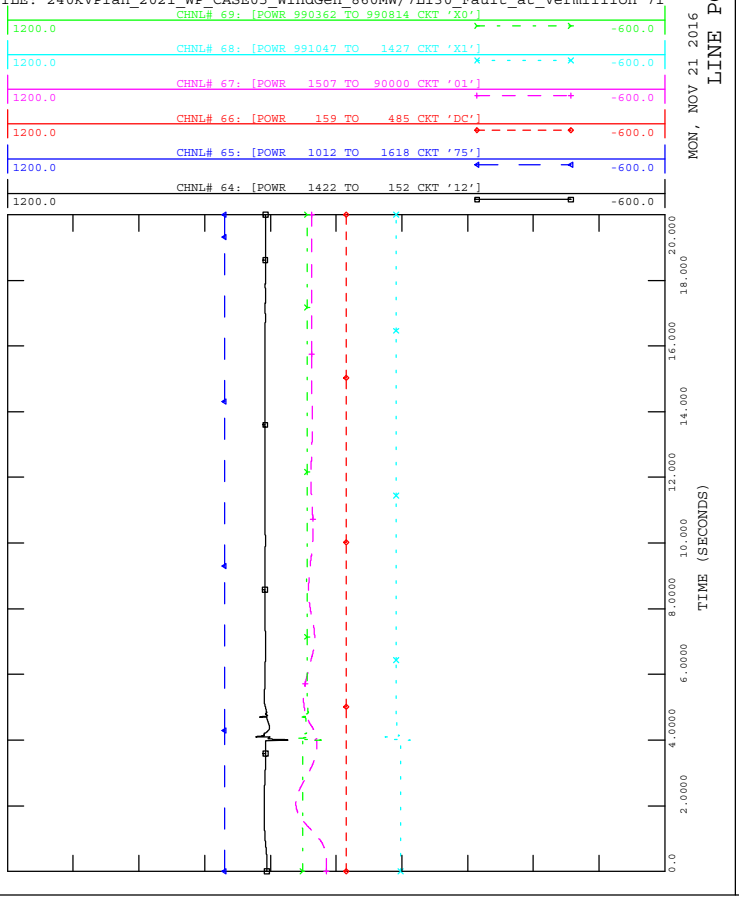


MON, NOV 21 2016 12:57

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71

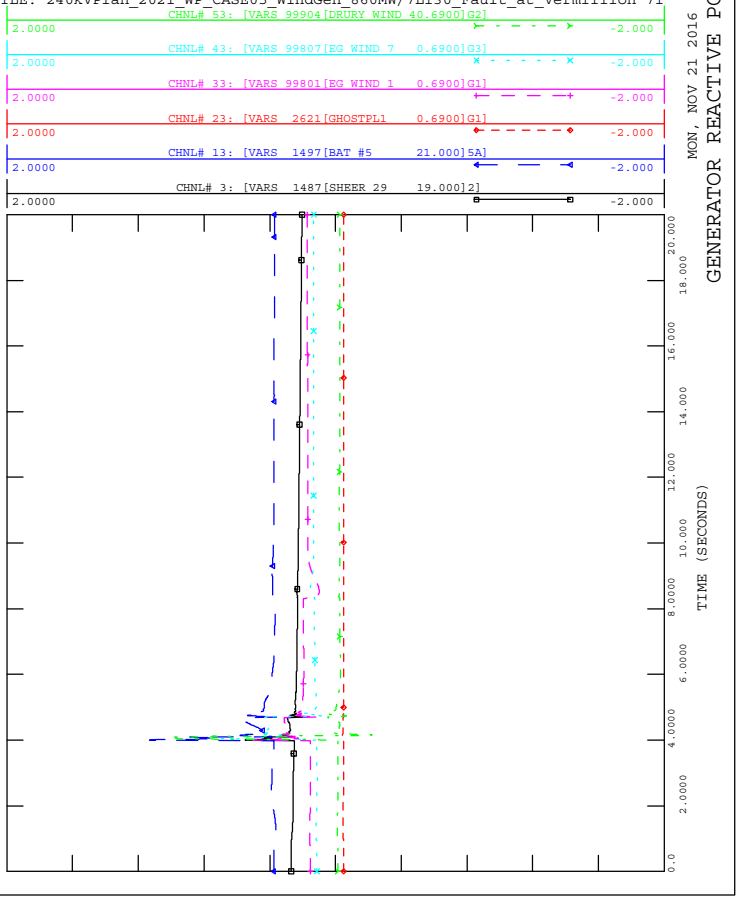


MON, NOV 21 2016 12:57

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Vermillion 71

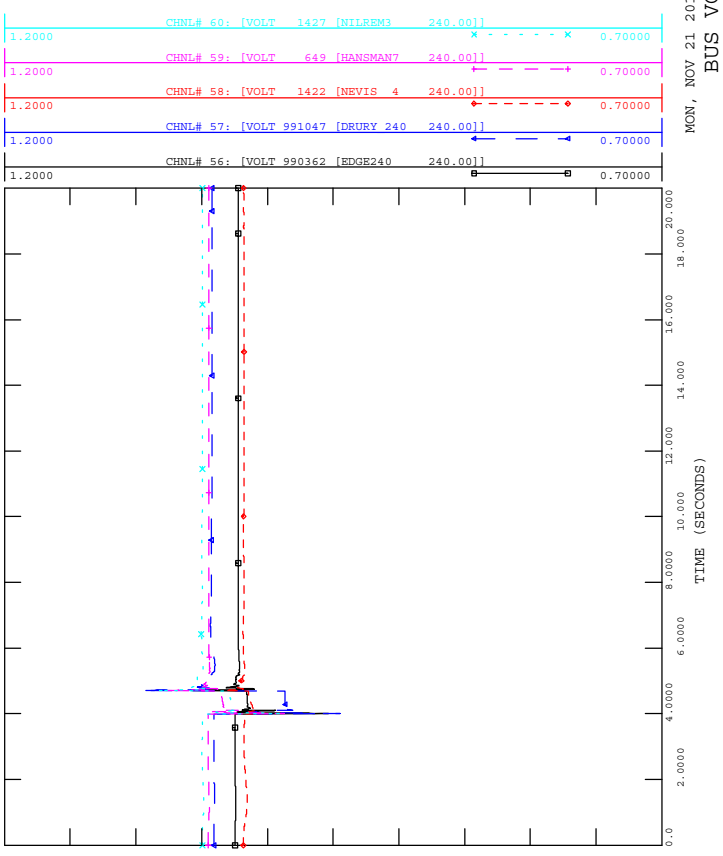


MON, NOV 21 2016 12:57

GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

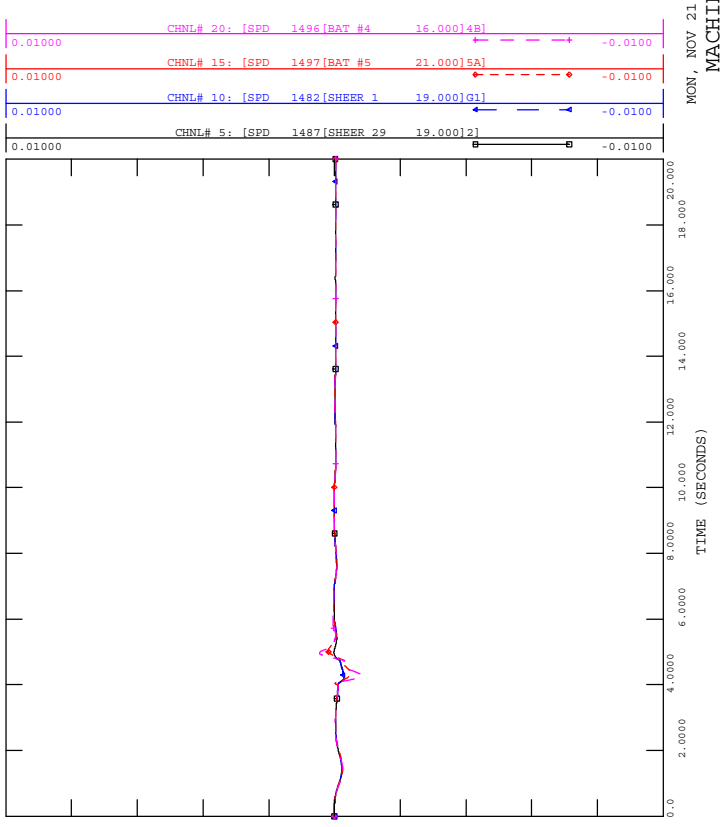
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S



MON, NOV 21 2016 12:57
BUS VOLTAGE

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

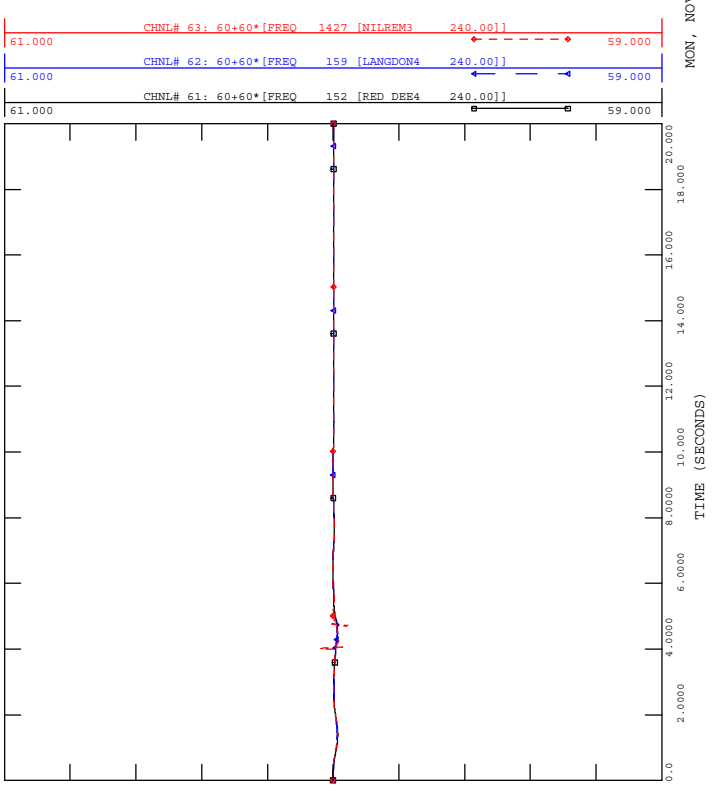
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S



MON, NOV 21 2016 12:57
MACHINE SPEED

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

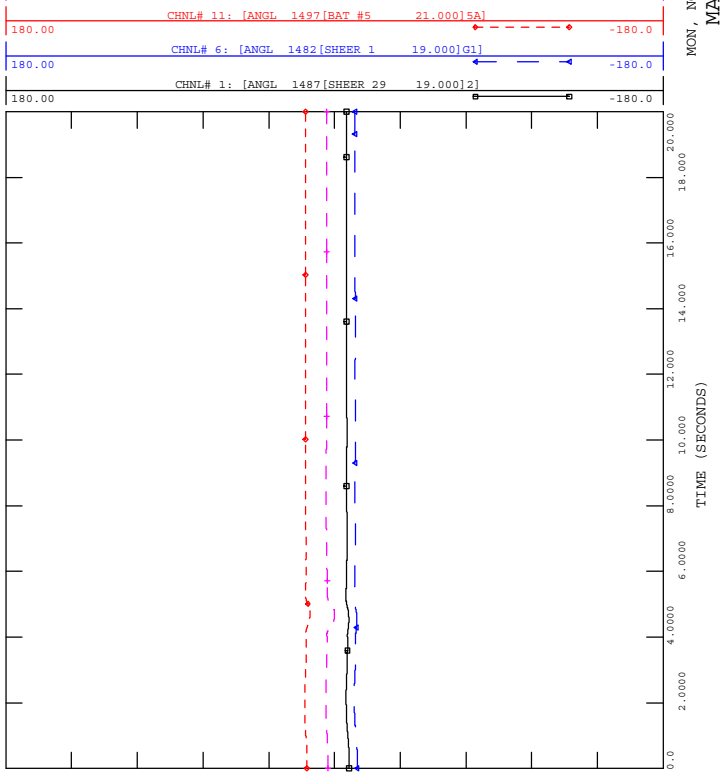
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S



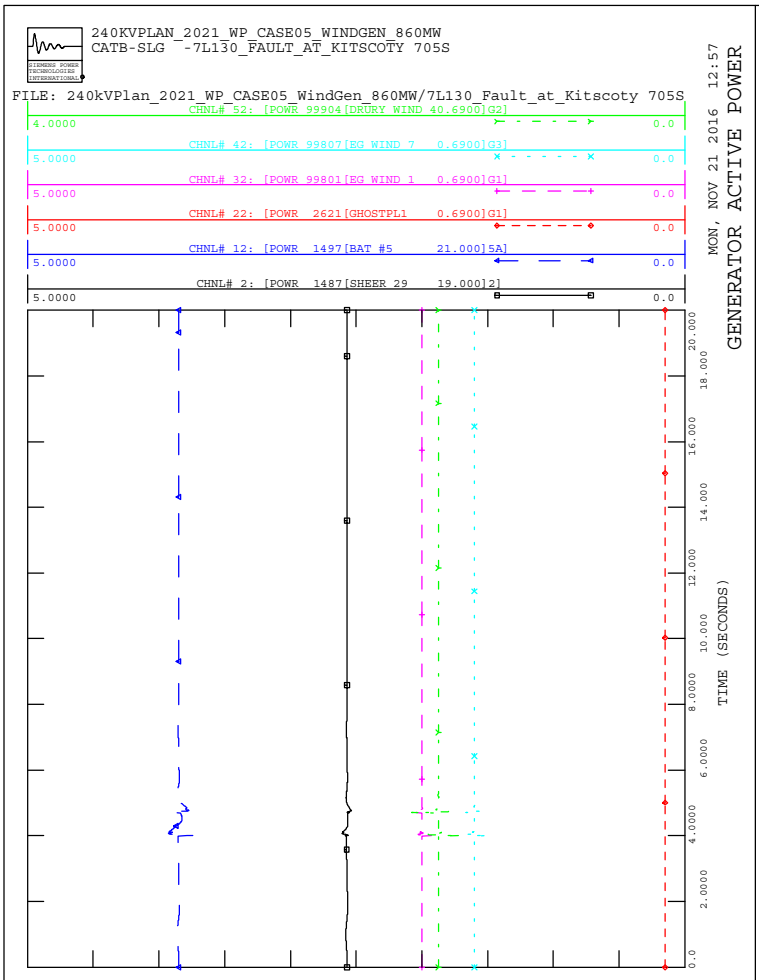
MON, NOV 21 2016 12:57
FREQUENCY

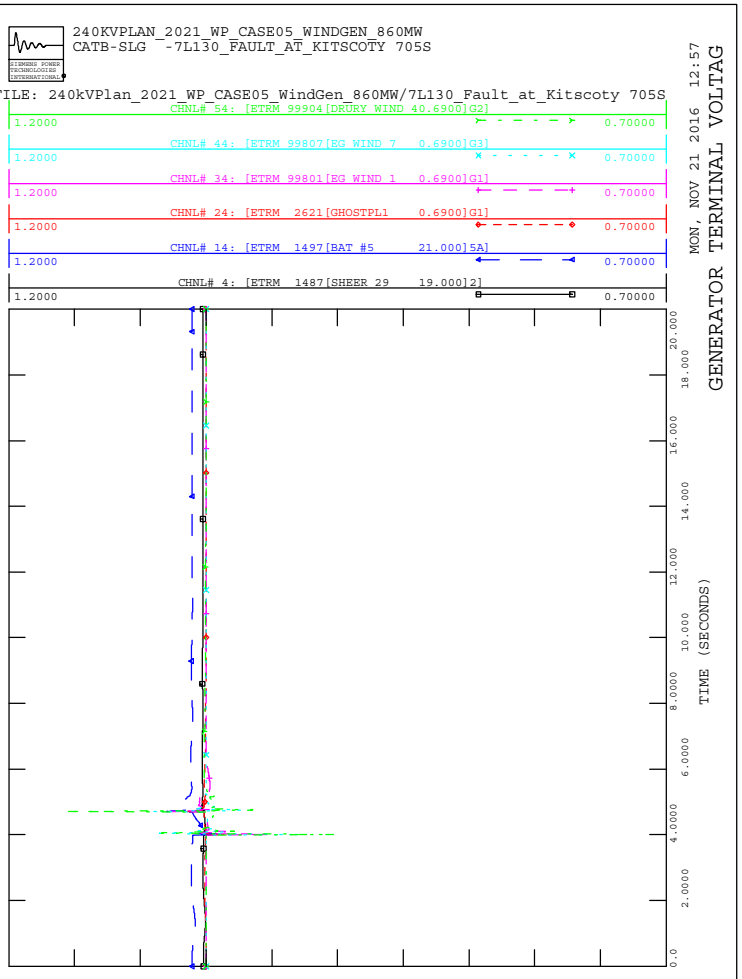
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S

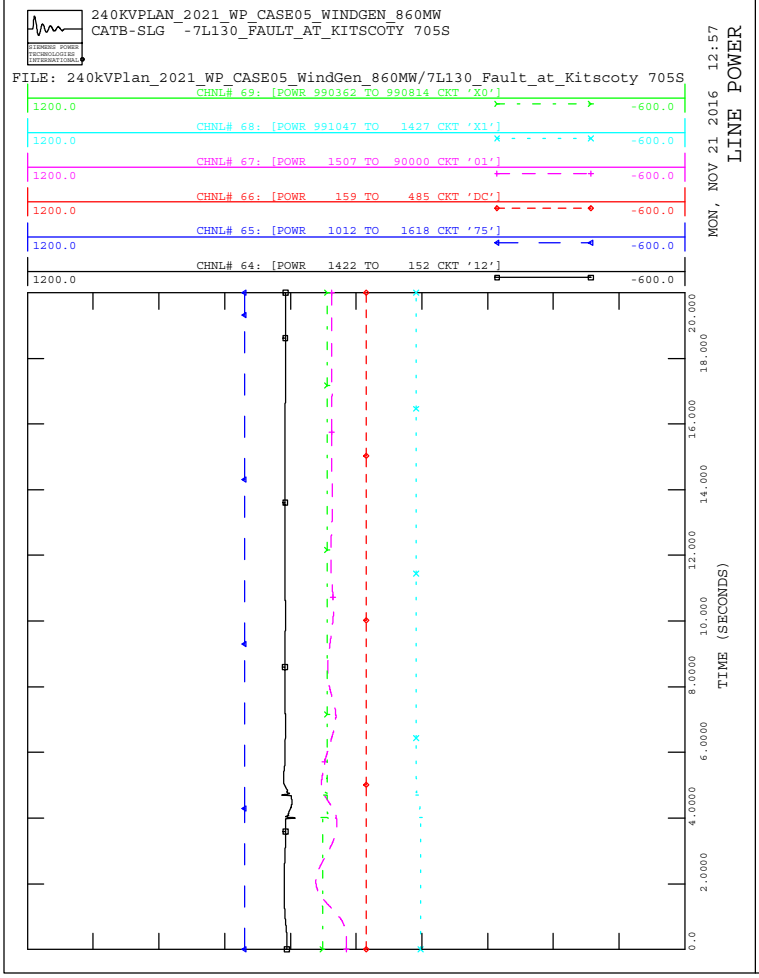
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S

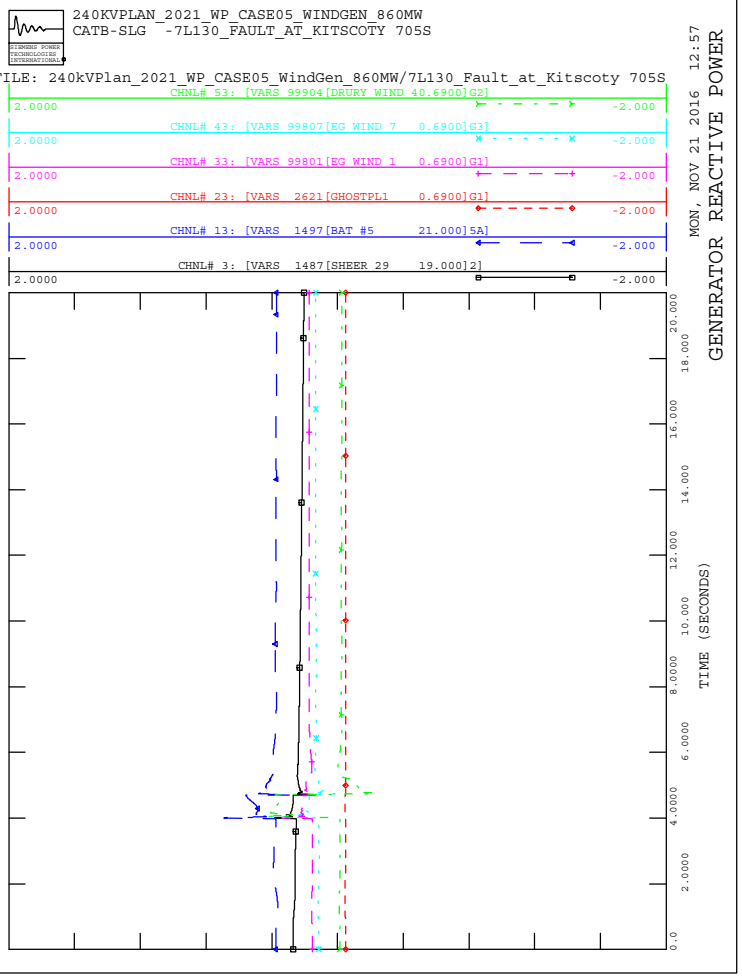


MON, NOV 21 2016 12:57
MACHINE ANGEL


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

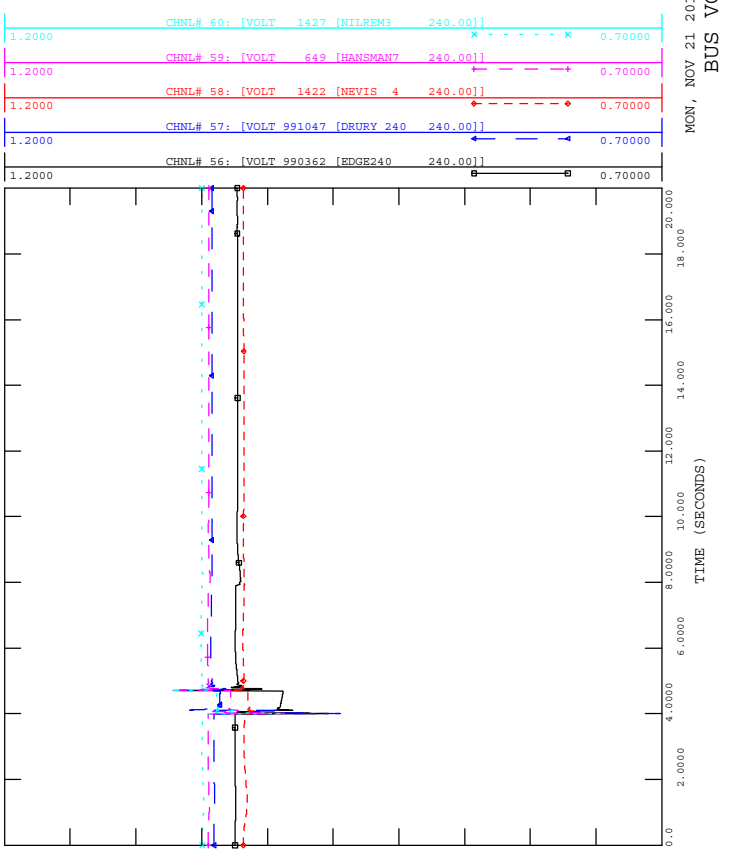

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L130_FAULT_AT_KITSCOTY 705S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_Fault_at_Kitscoty 705S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

MON, NOV 21 2016 12:57

BUS VOLTAGE

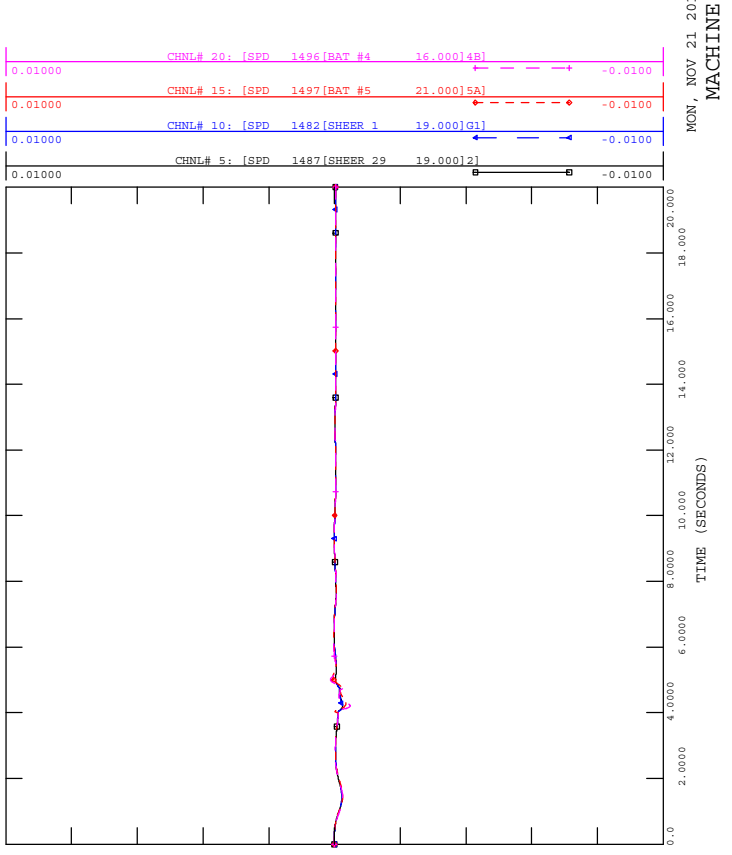


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

MON, NOV 21 2016 12:57

MACHINE SPEED

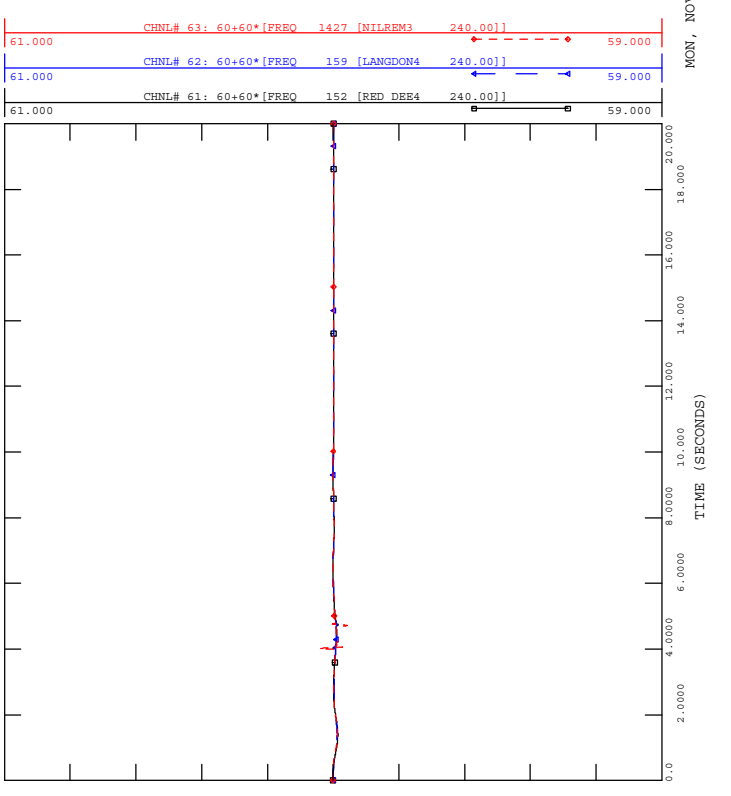


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

MON, NOV 21 2016 12:57

FREQUENCY

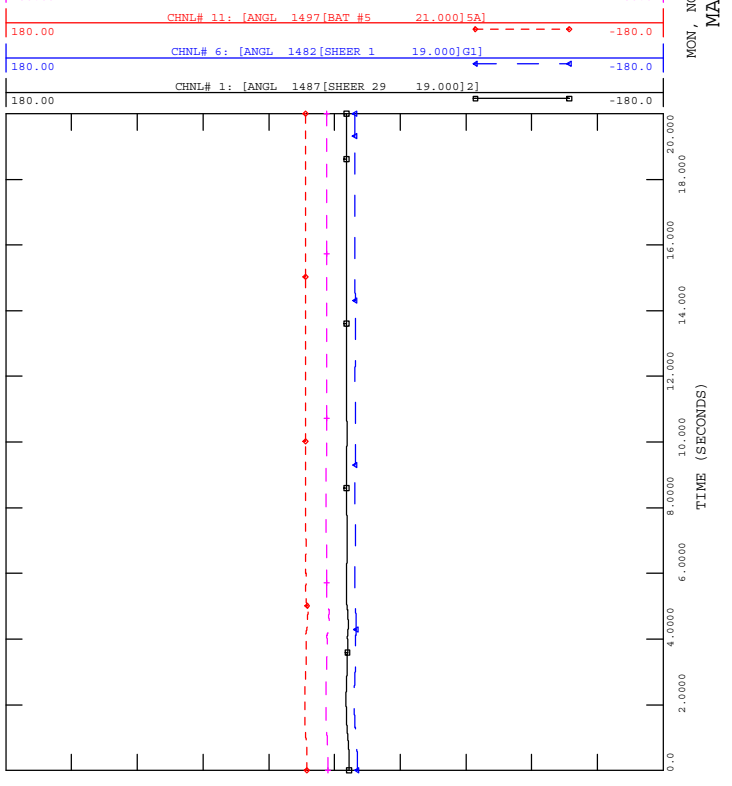


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.

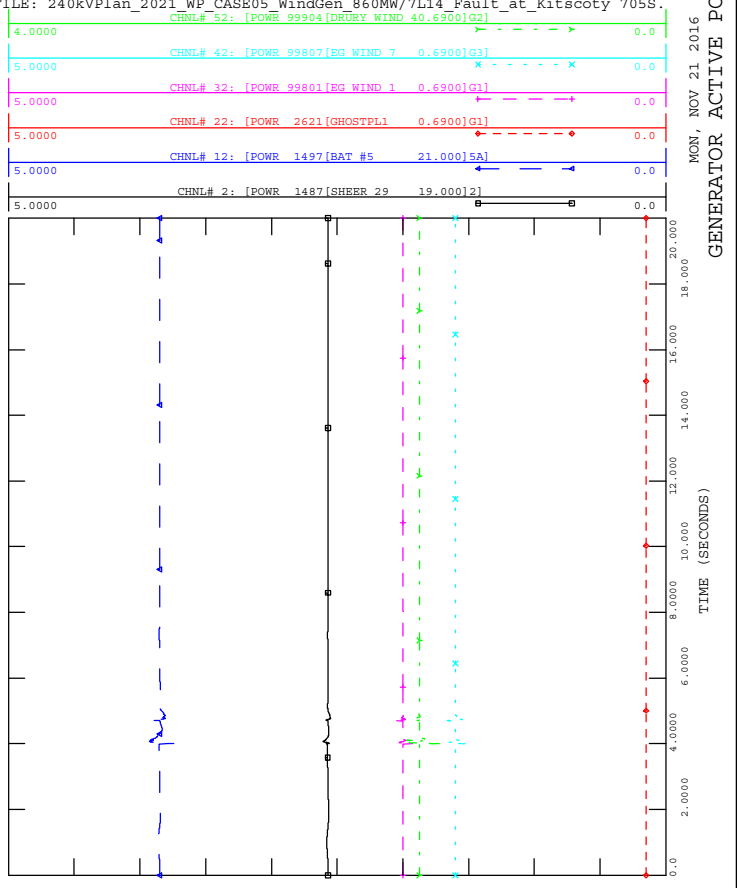
MON, NOV 21 2016 12:57

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

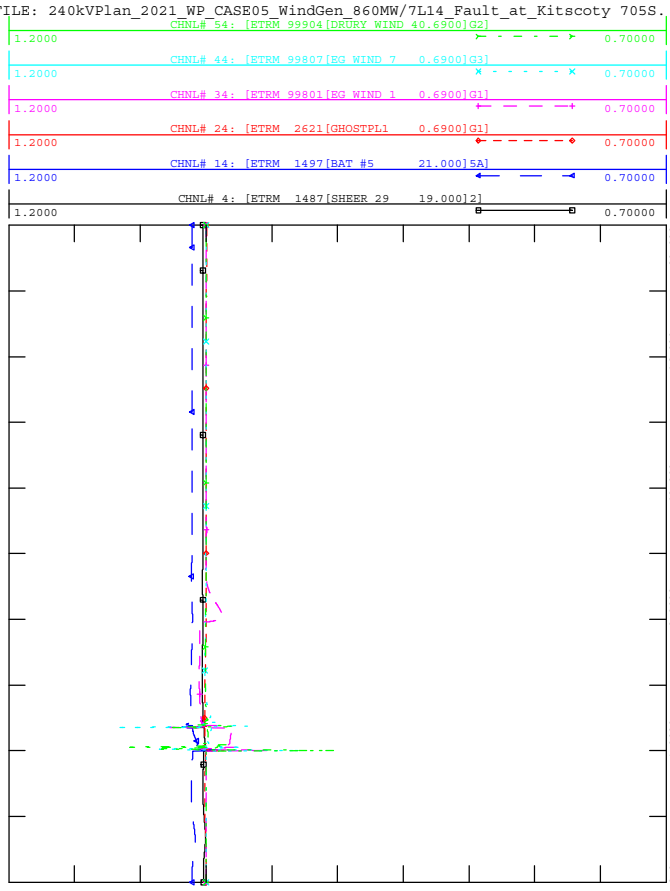
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

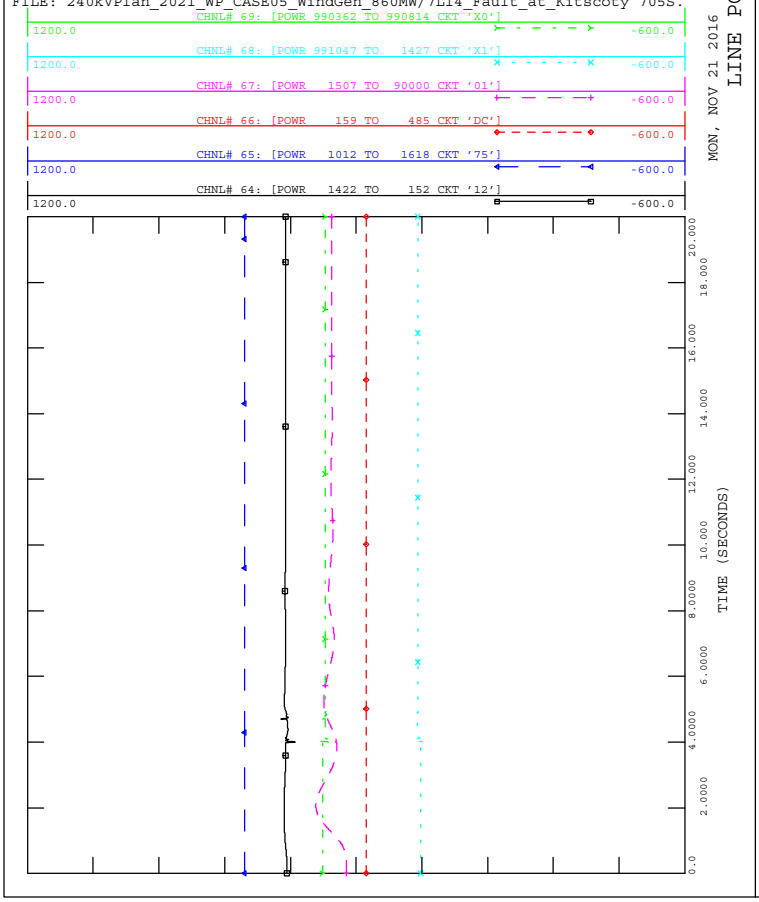
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

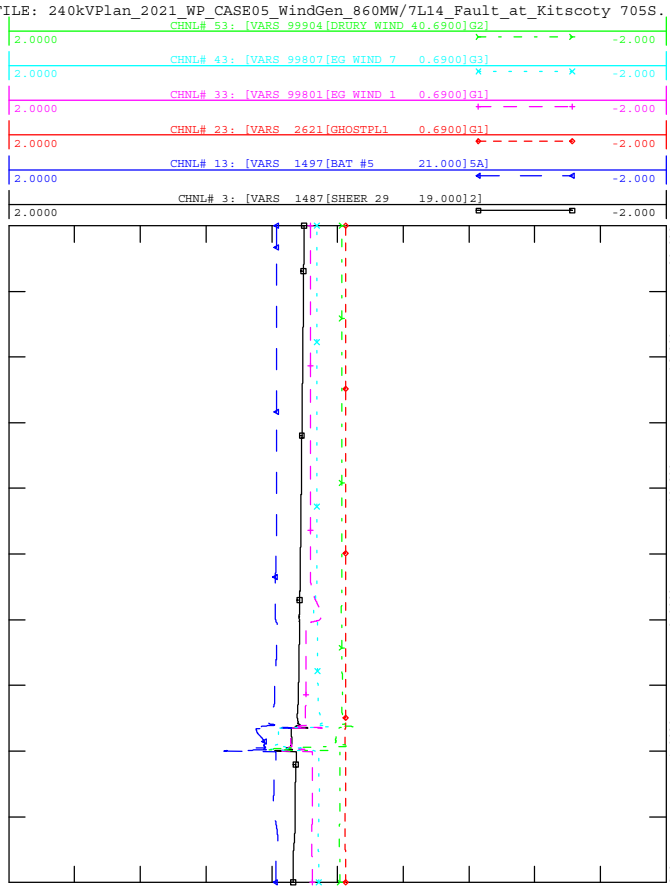
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



LINE POWER
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_KITSCOTY 705S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Kitscoty 705S.



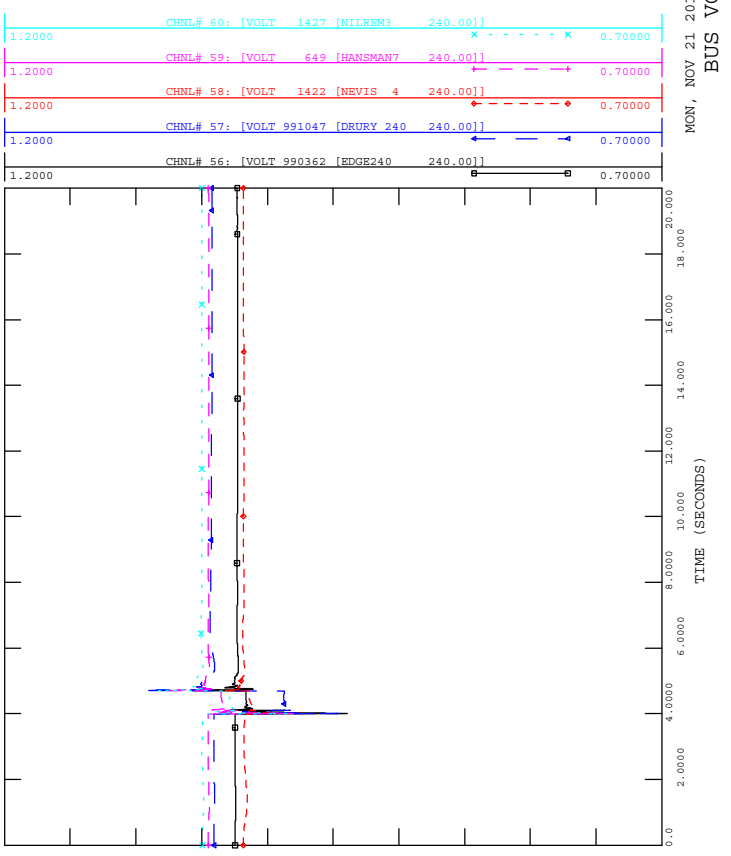
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:57

BUS VOLTAGE

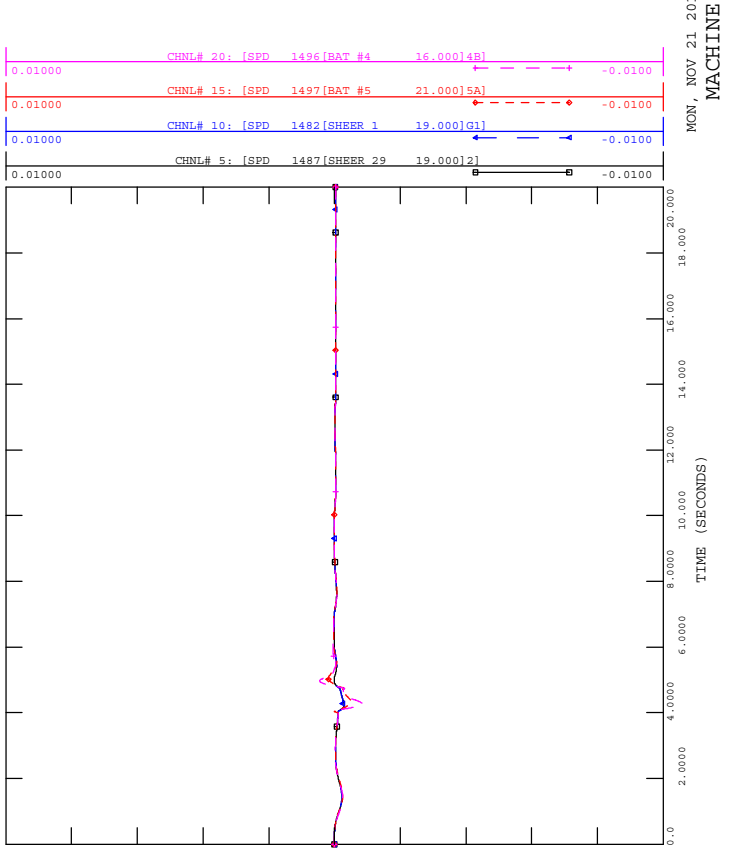


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:57

MACHINE SPEED

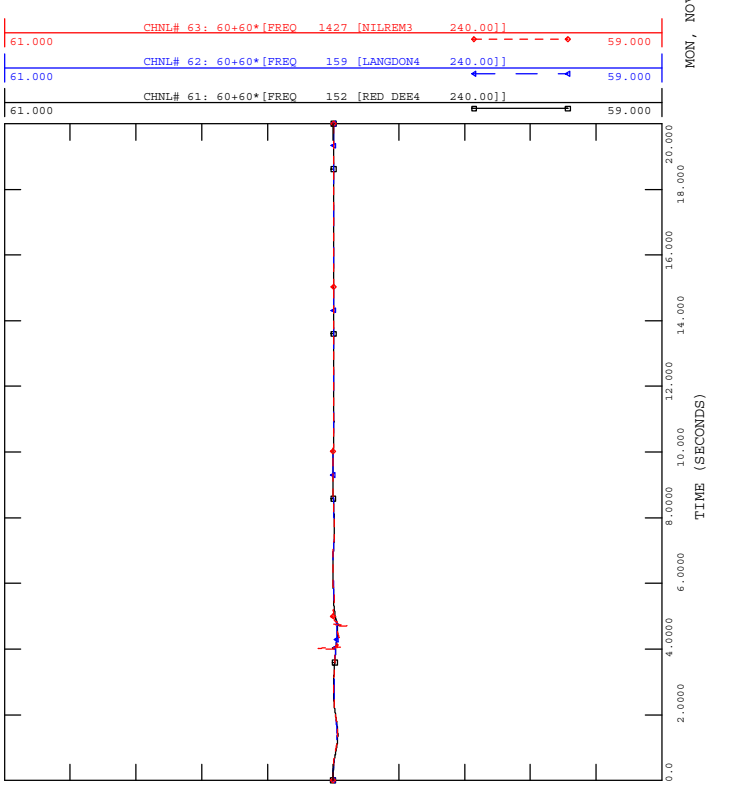


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:57

FREQUENCY

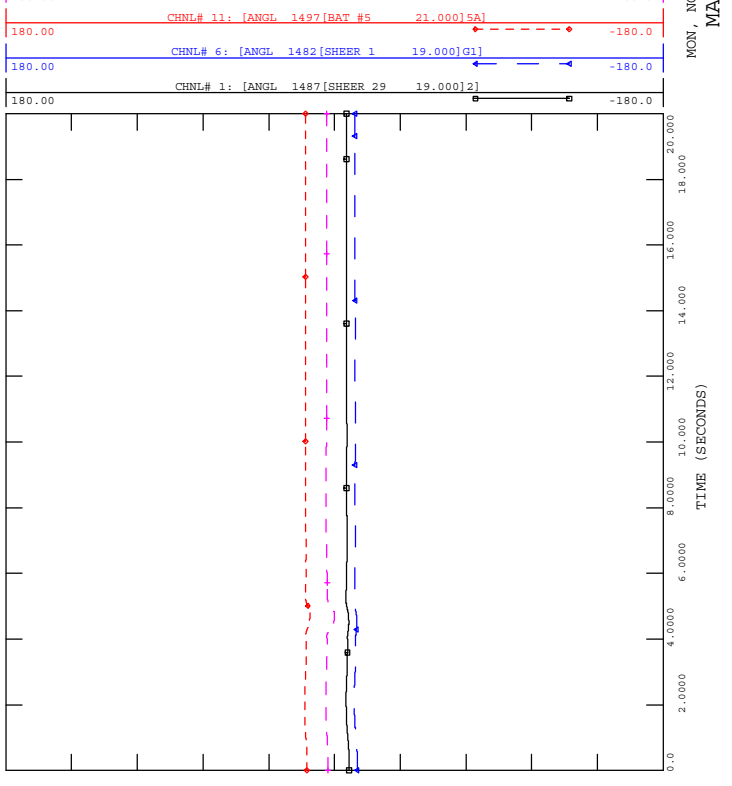


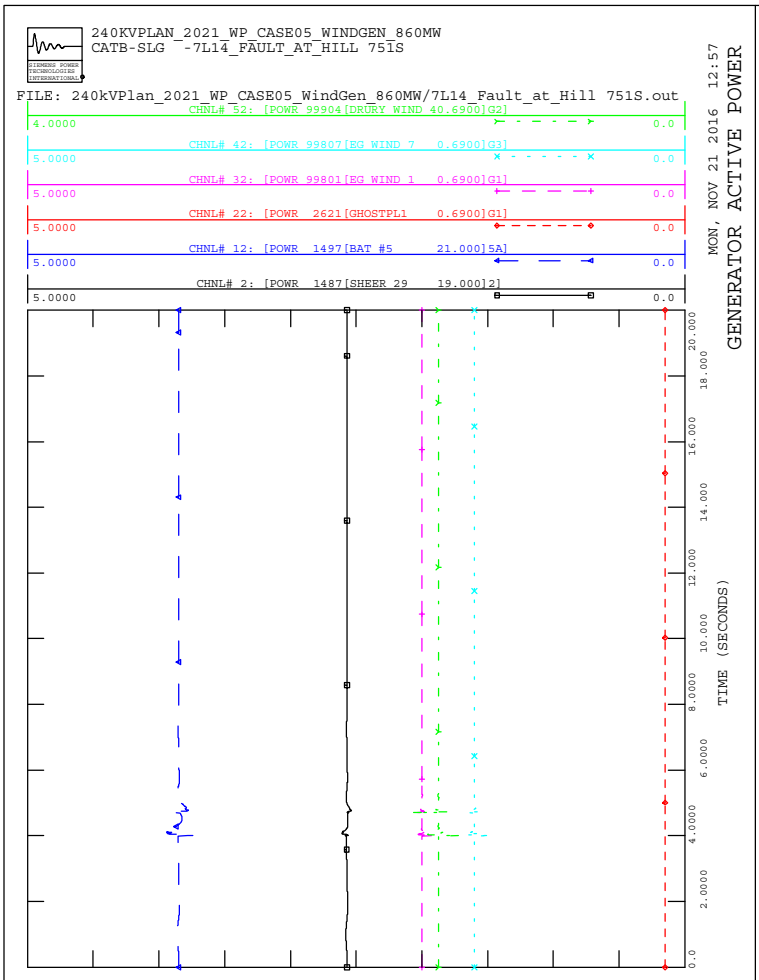
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:57

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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5.0000
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0.0
0.0
0.0
0.0
0.0
2.0000
4.0000
6.0000
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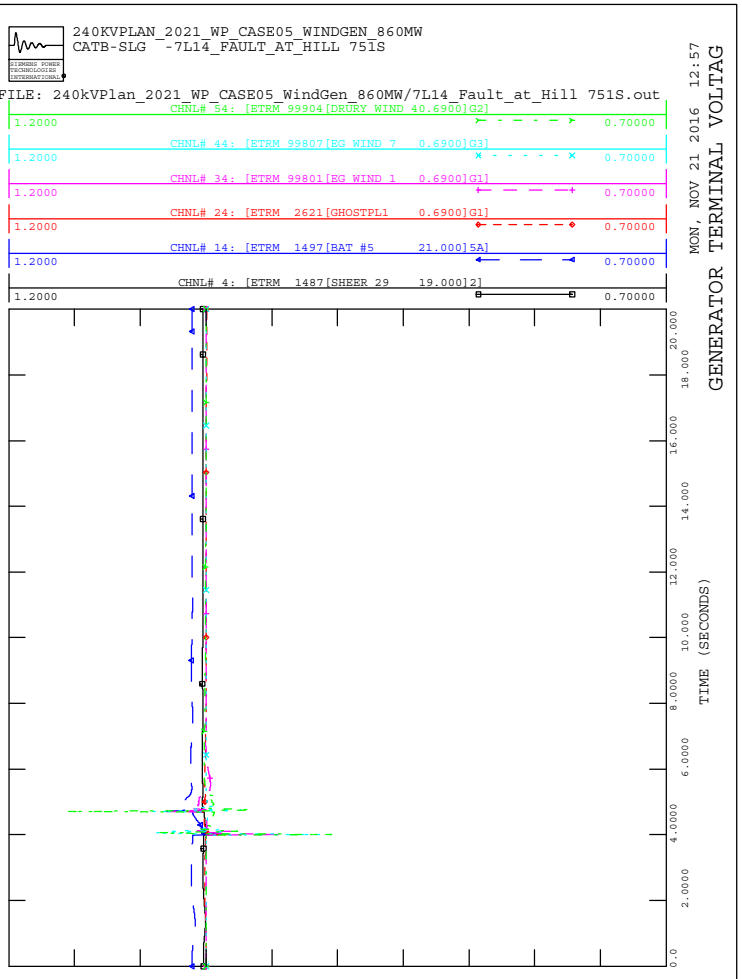
18.000
20.000
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
1.2000
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1.2000
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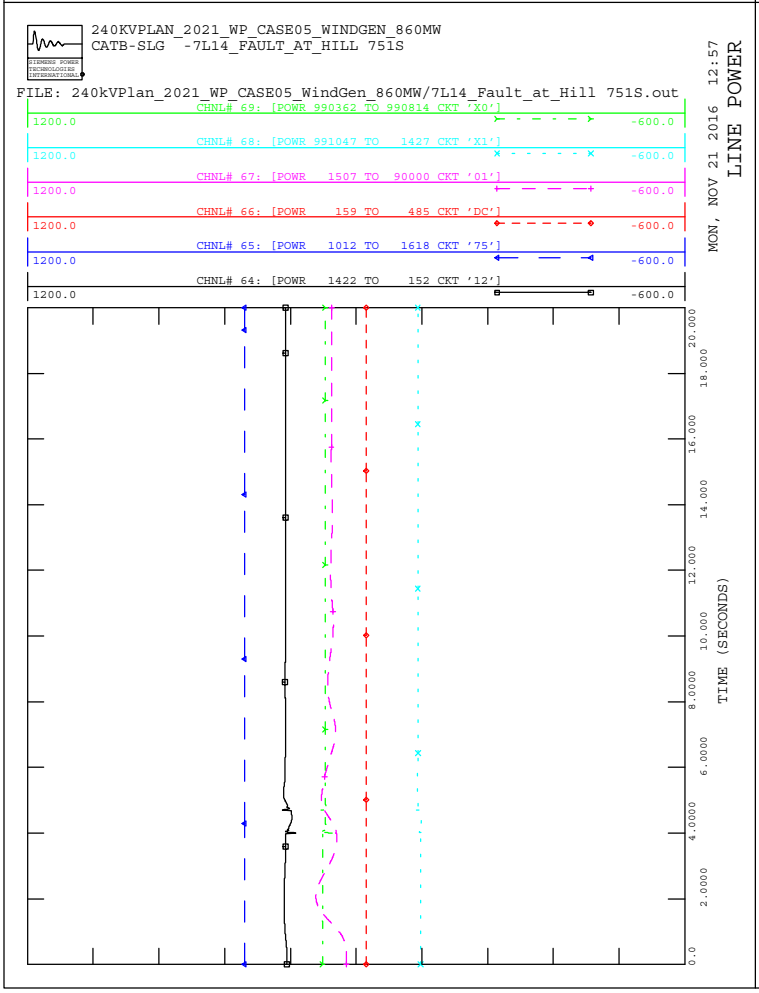
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
1200.0
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1200.0
1200.0
1200.0
-600.0
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-600.0
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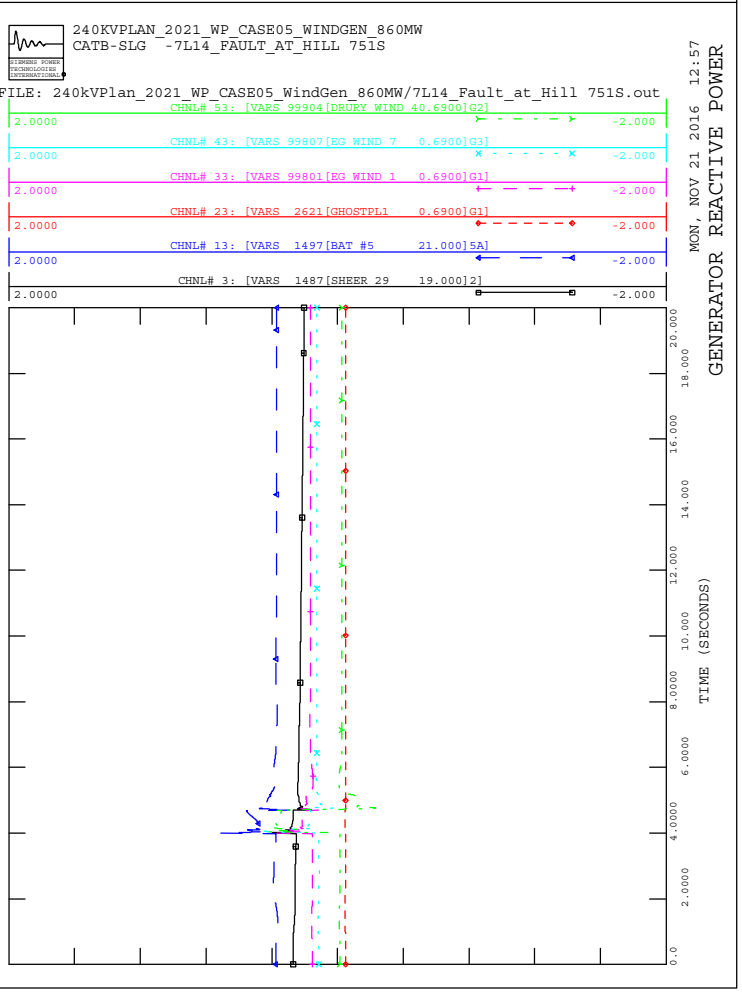
TIME (SECONDS)
MON, NOV 21 2016 12:57
LINE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L14_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
2.0000
2.0000
2.0000
2.0000
2.0000
-2.000
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18.000
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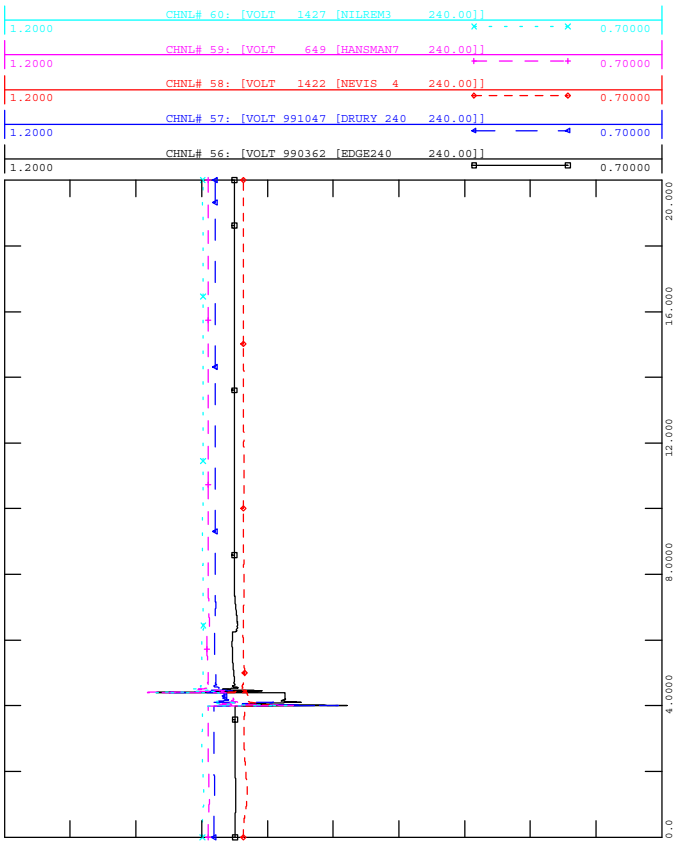
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:57

BUS VOLTAGE

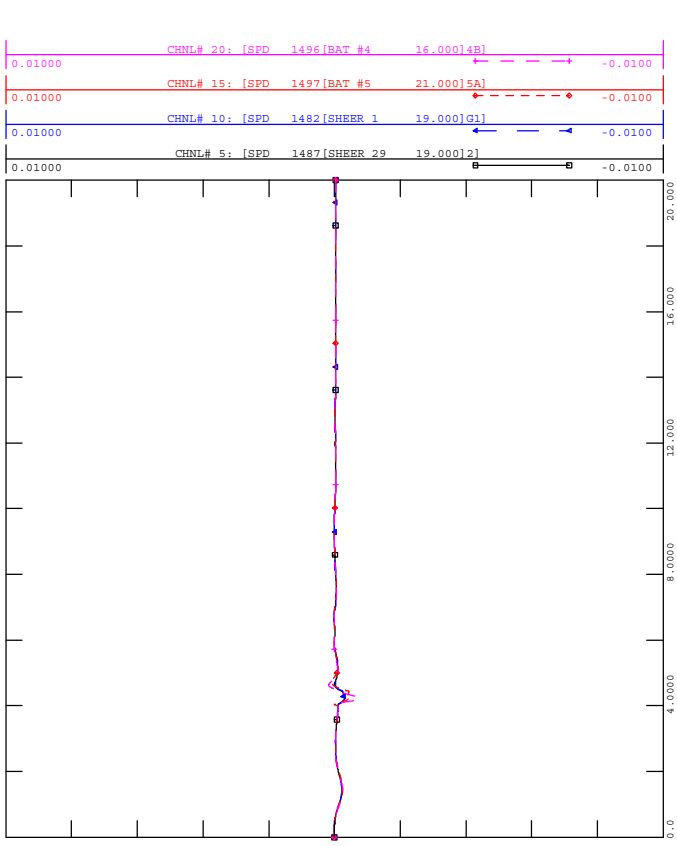


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:57

MACHINE SPEED

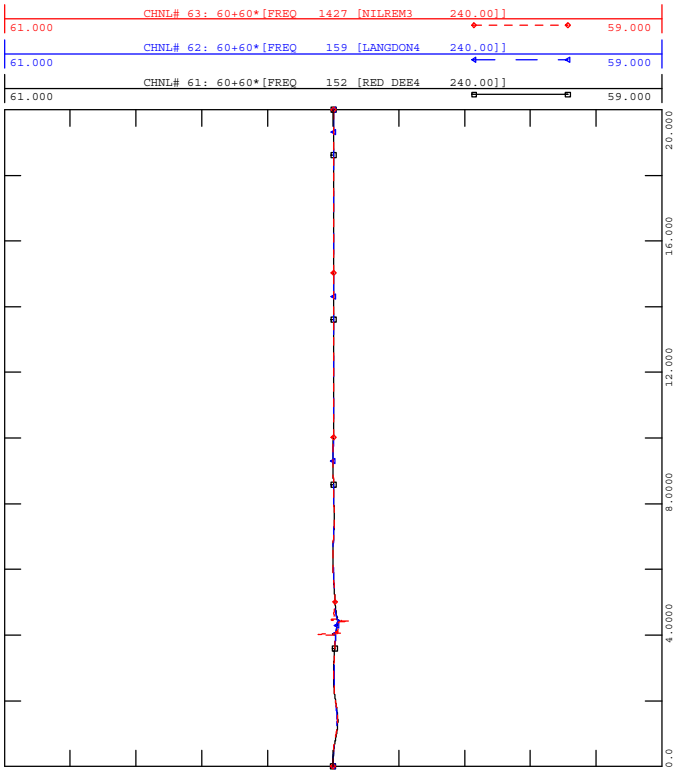


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out

MON, NOV 21 2016 12:57

FREQUENCY

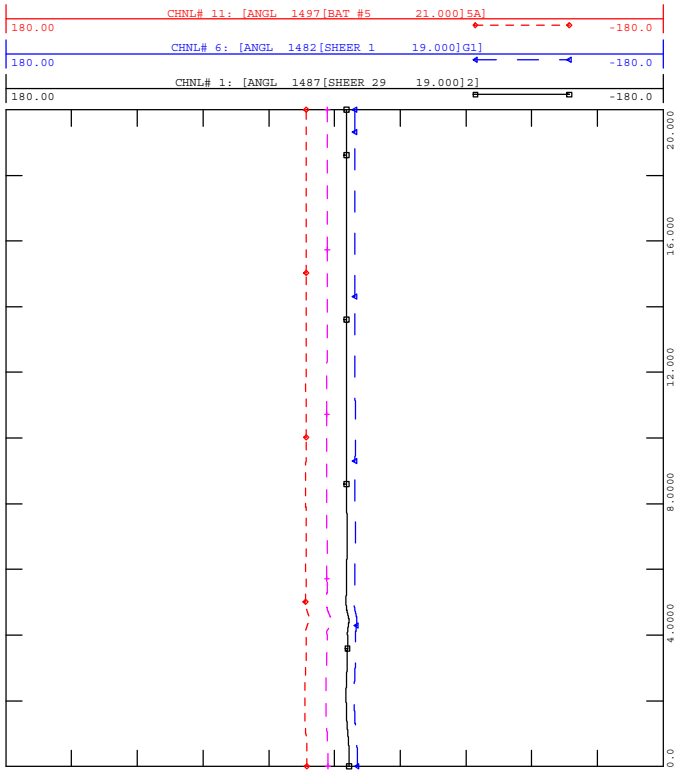


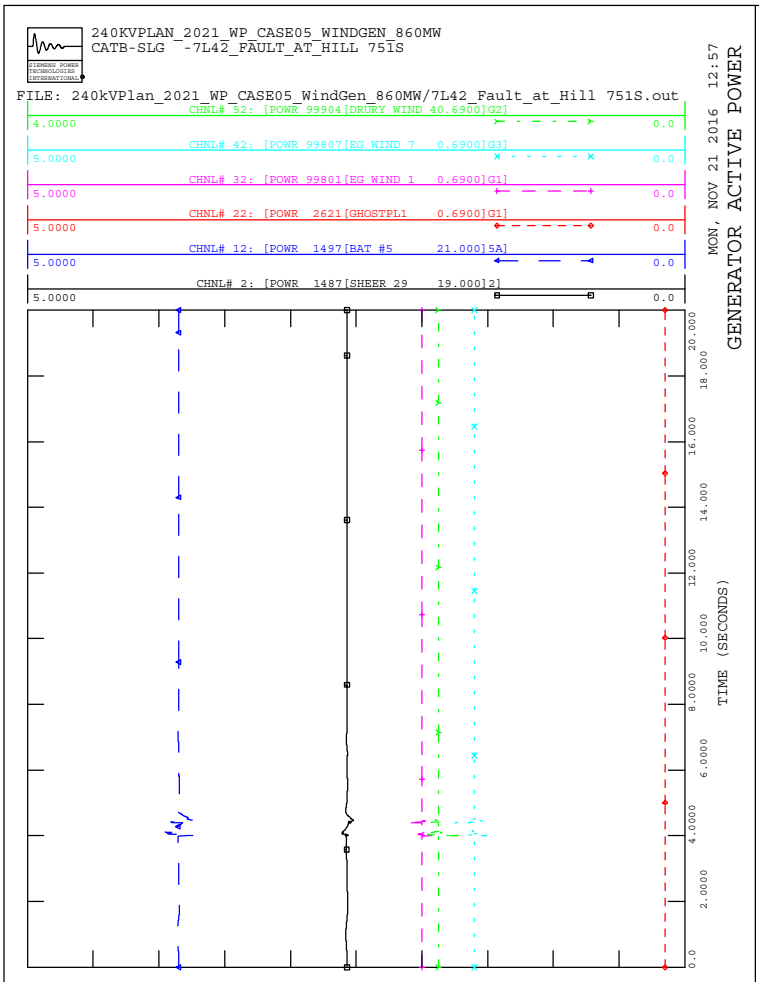
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S

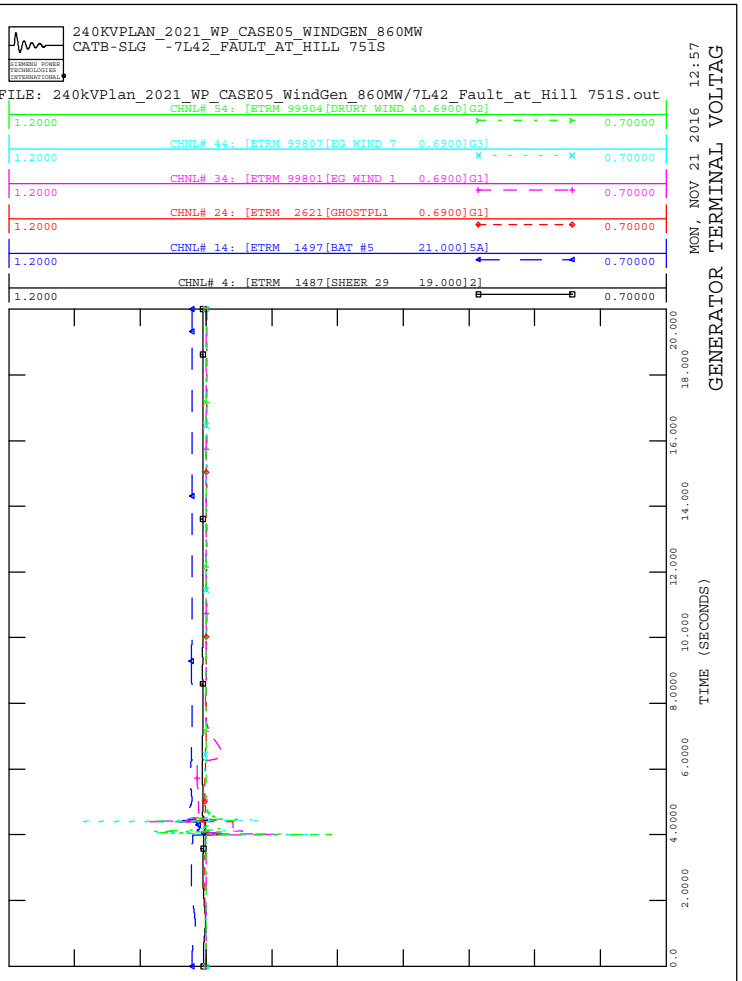
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out

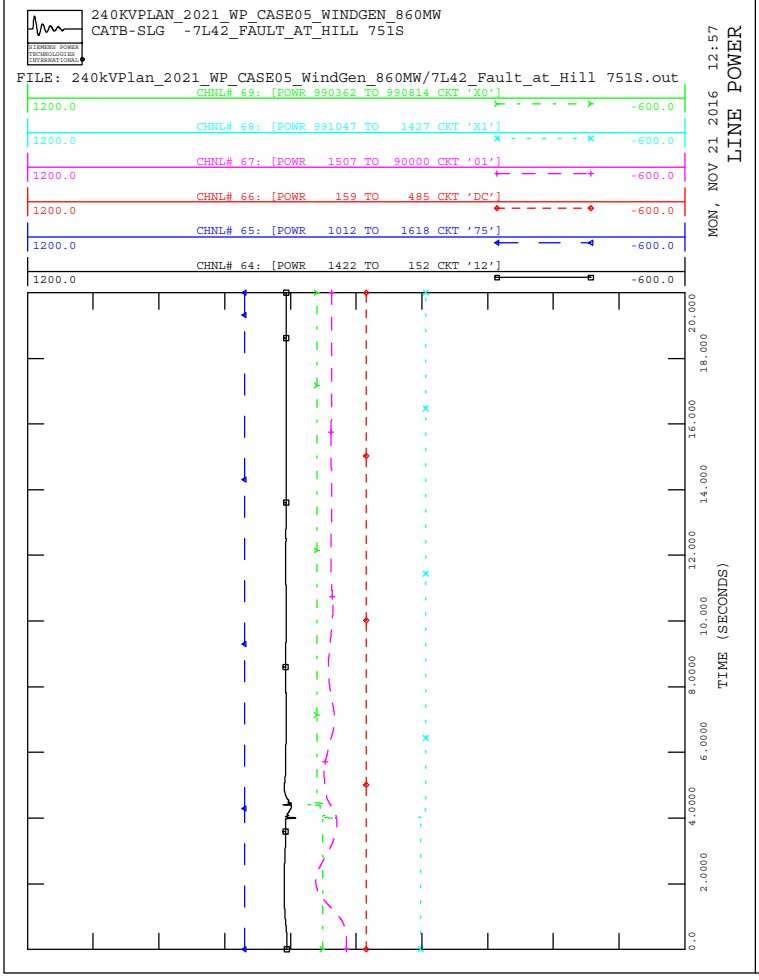
MON, NOV 21 2016 12:57

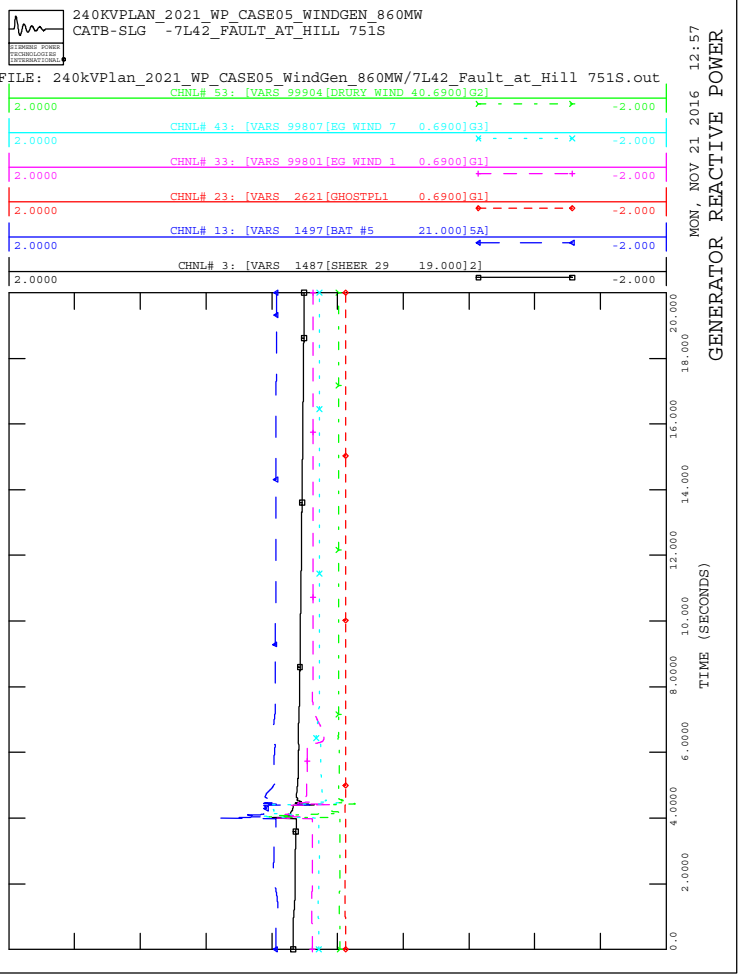
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:57
LINE POWER
TIME (SECONDS)

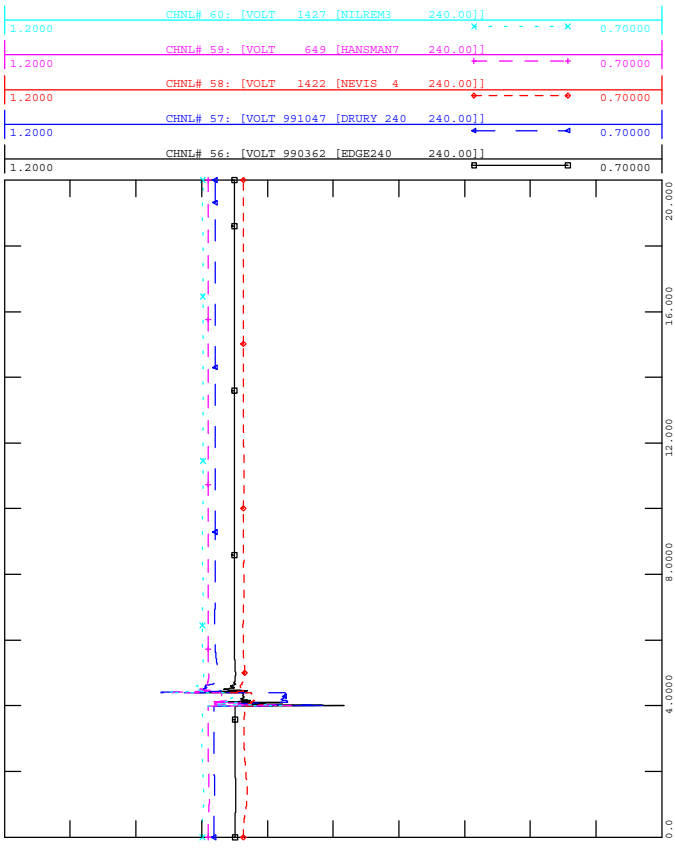

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_HILL 751S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Hill 751S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7

MON, NOV 21 2016 12:57

BUS VOLTAGE

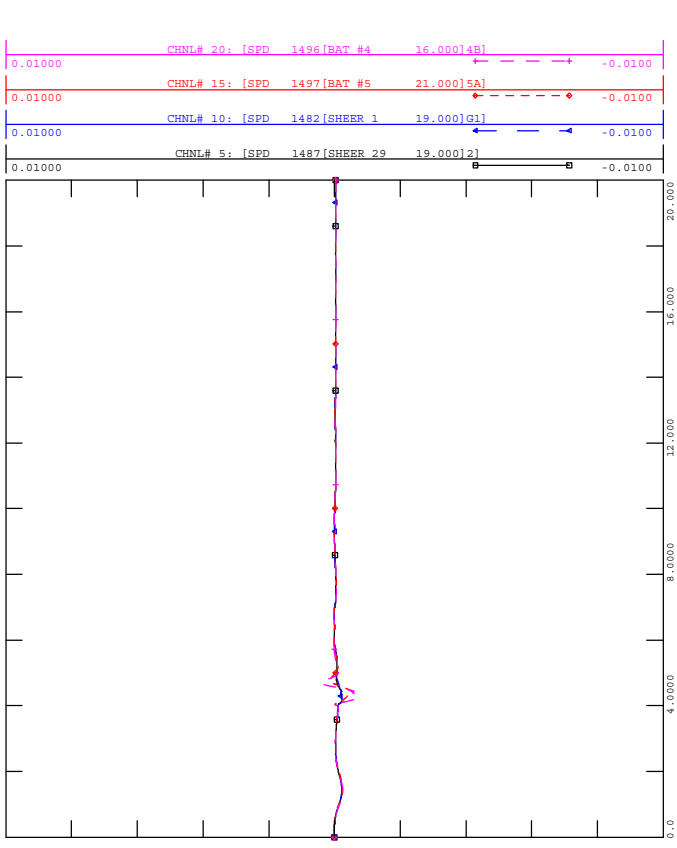


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7

MON, NOV 21 2016 12:57

MACHINE SPEED

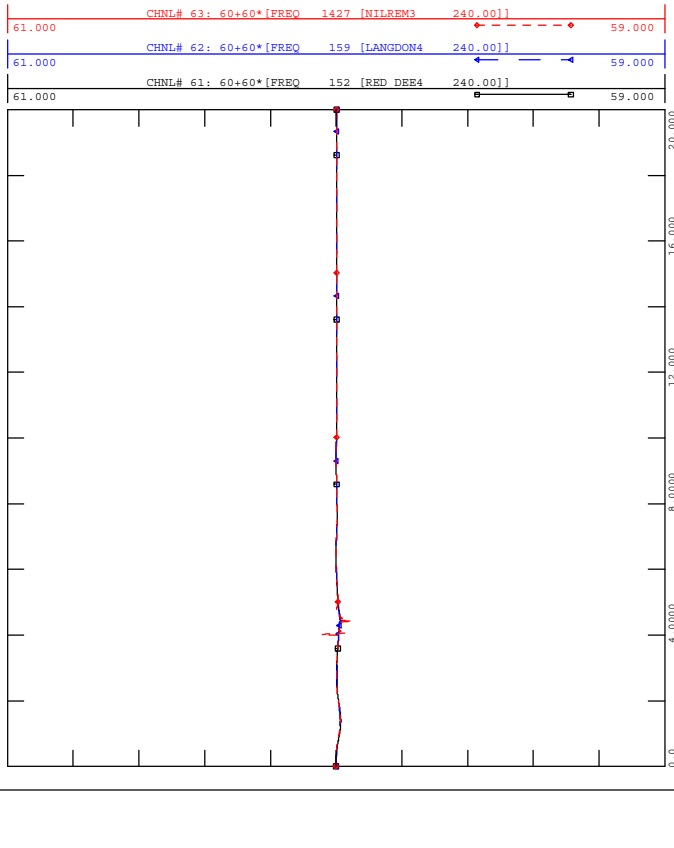


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7

MON, NOV 21 2016 12:57

FREQUENCY

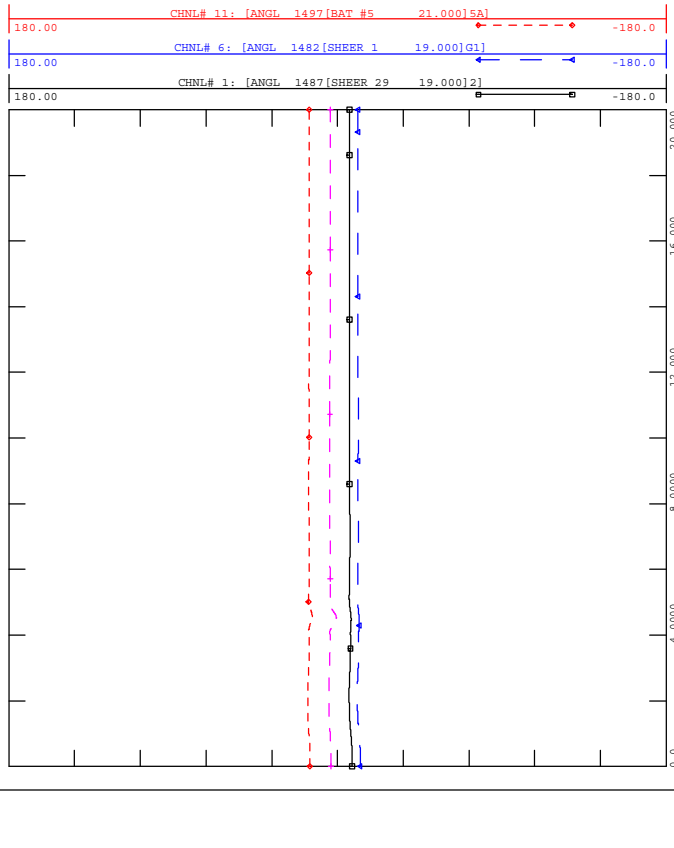


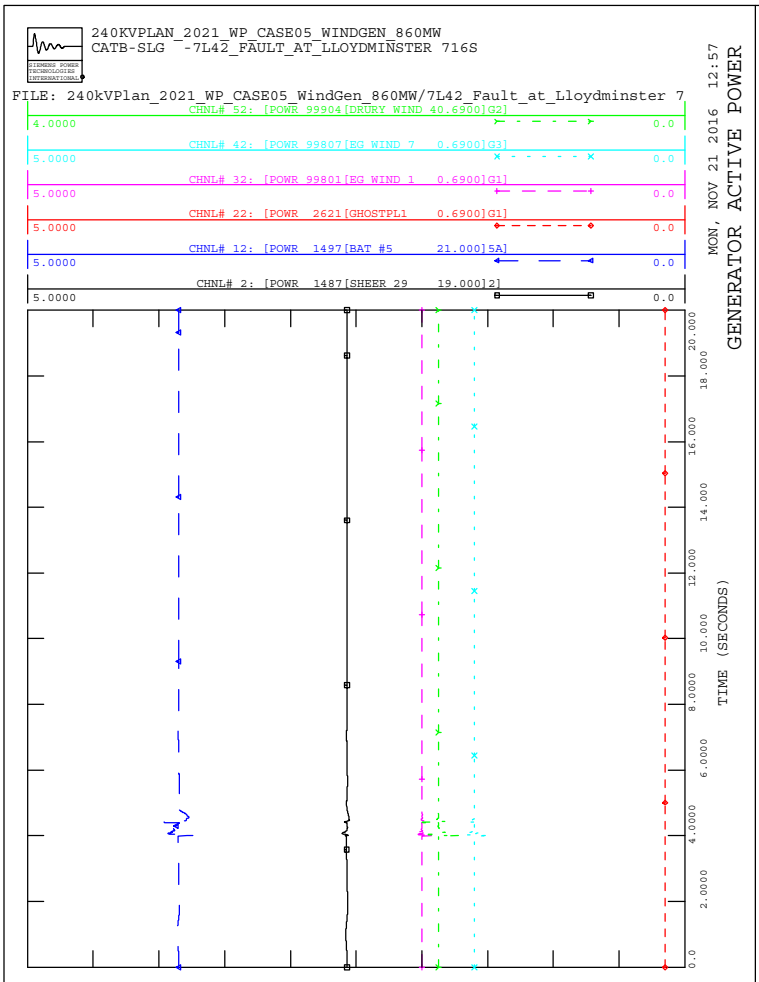
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S

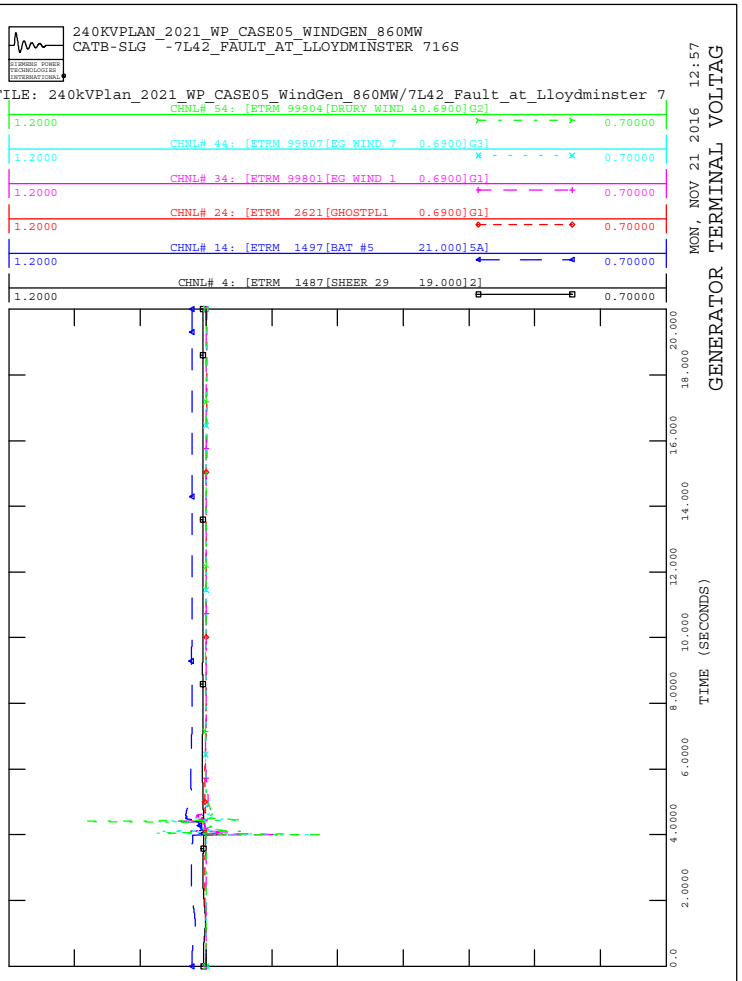
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7

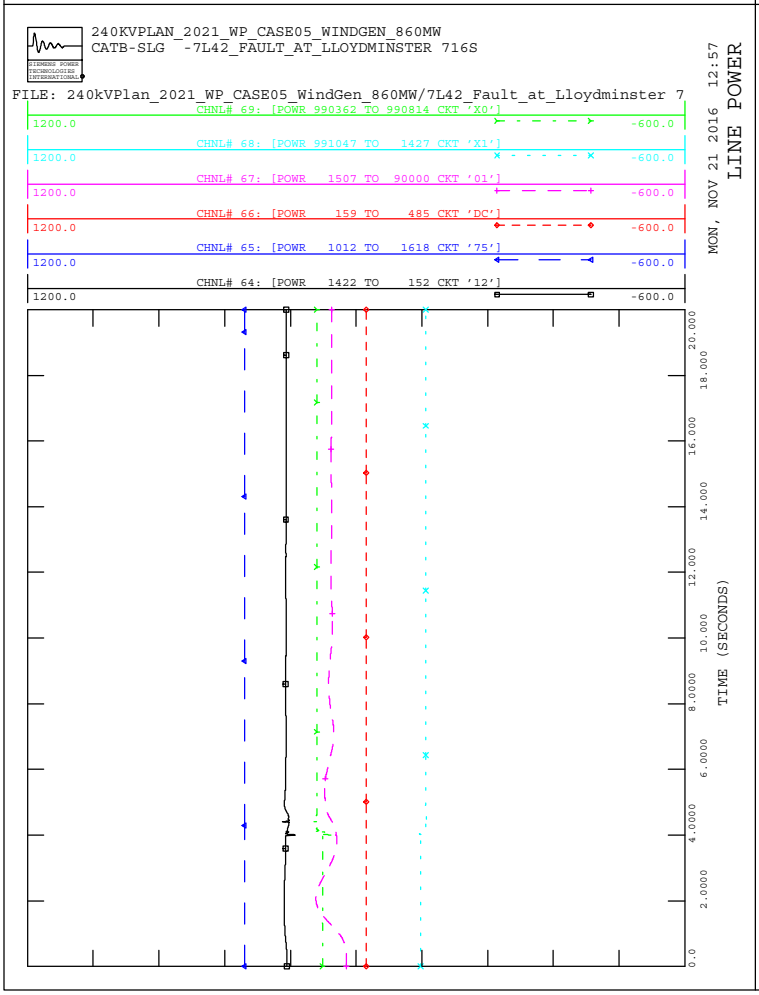
MON, NOV 21 2016 12:57

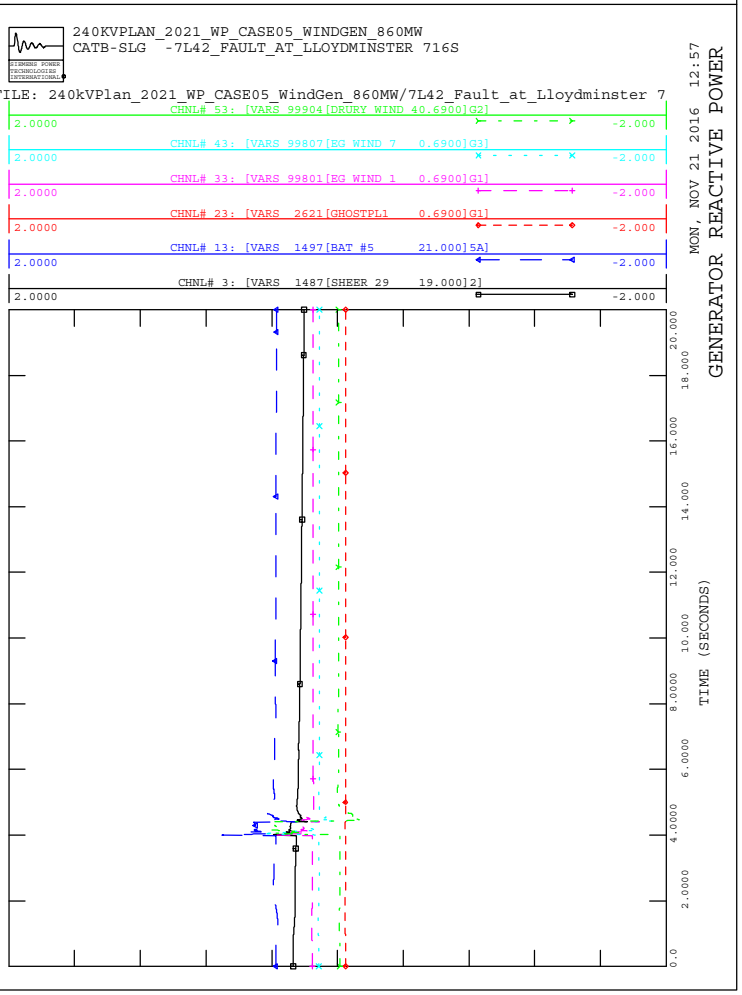
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
LINE POWER
MON, NOV 21 2016 12:57

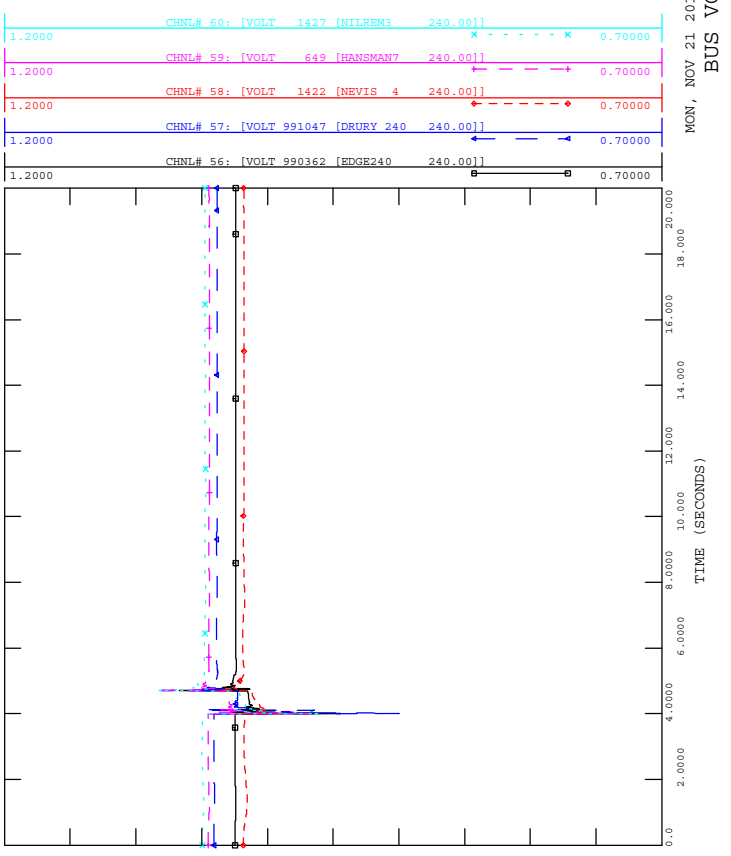

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L42_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L42_Fault_at_Lloydminster 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:57

BUS VOLTAGE

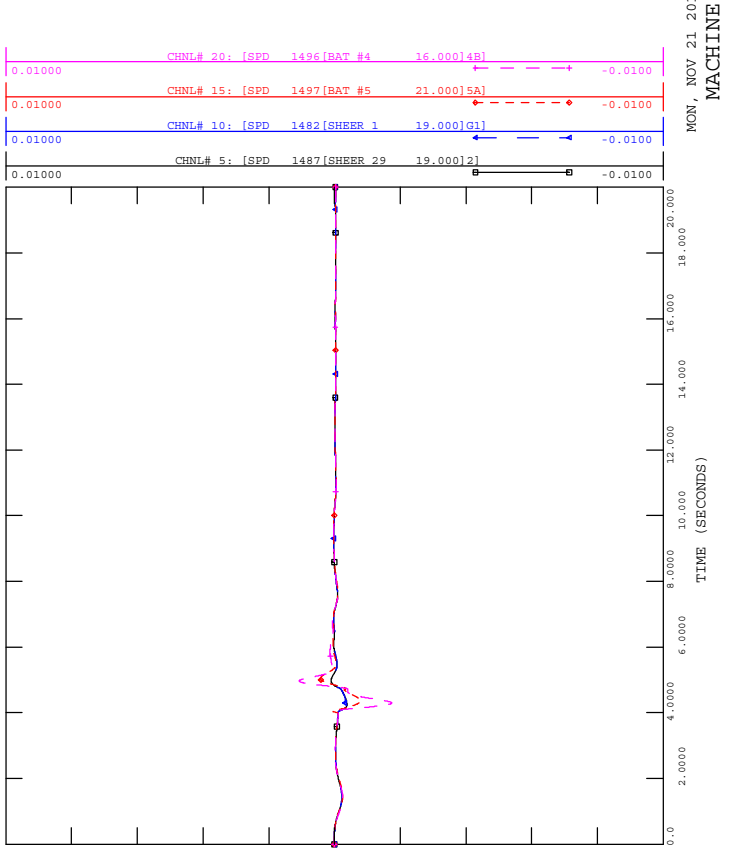


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:57

MACHINE SPEED

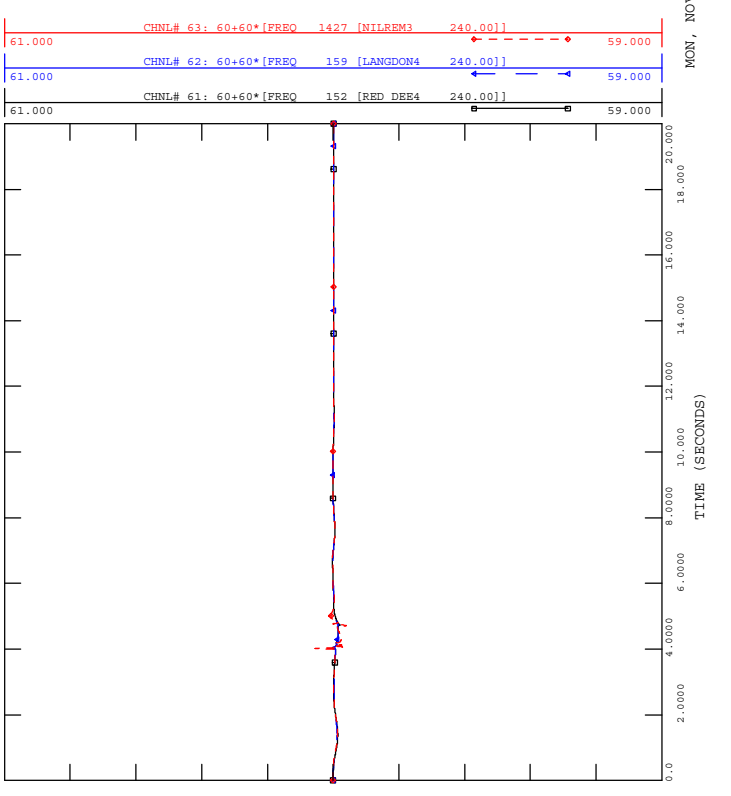


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek

MON, NOV 21 2016 12:57

FREQUENCY

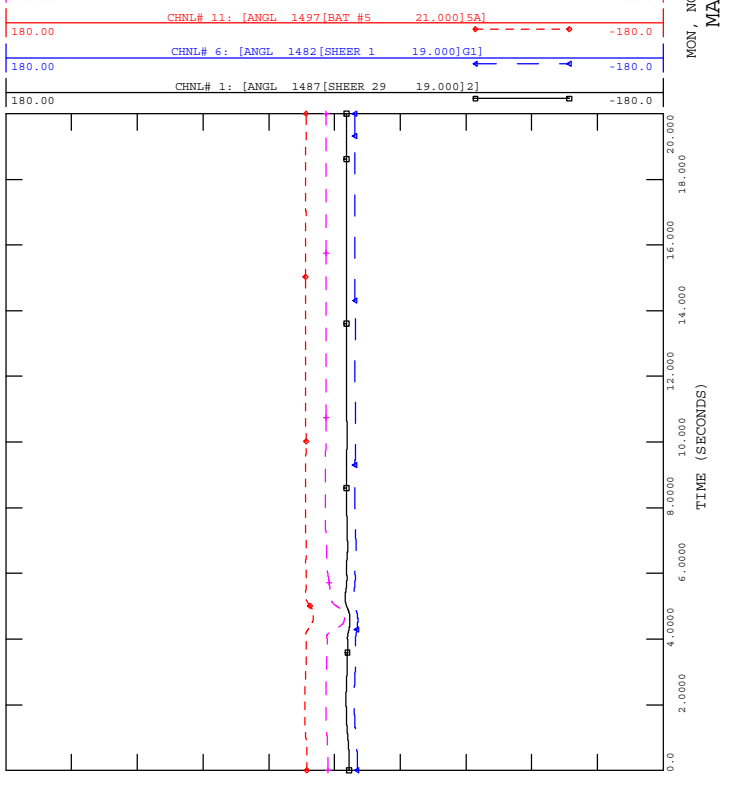


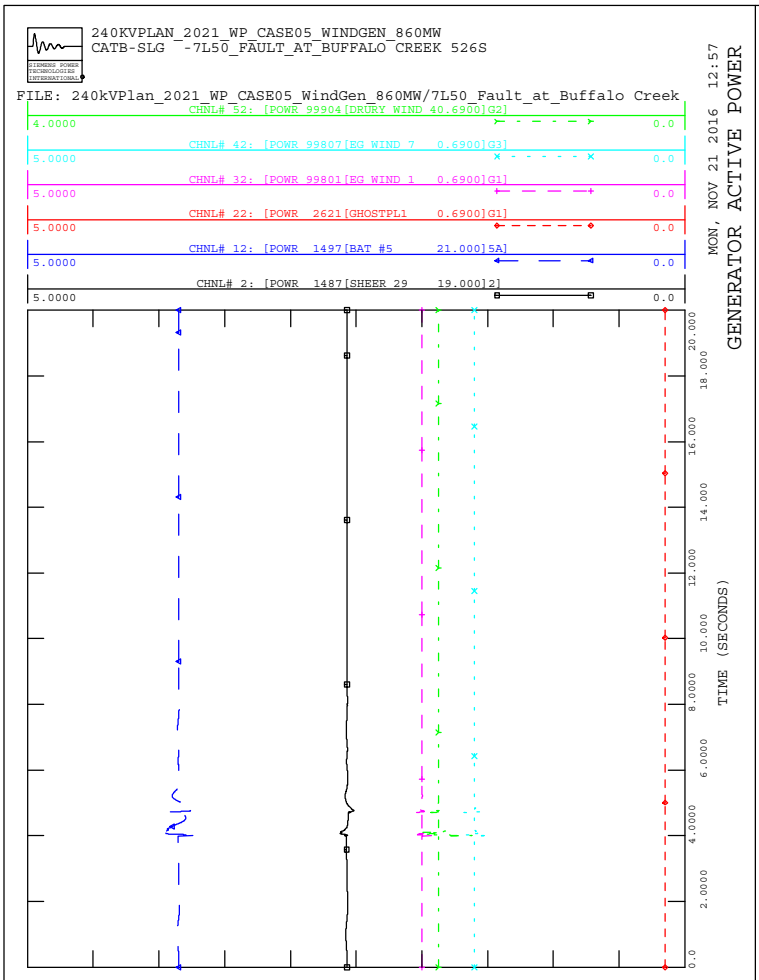
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S

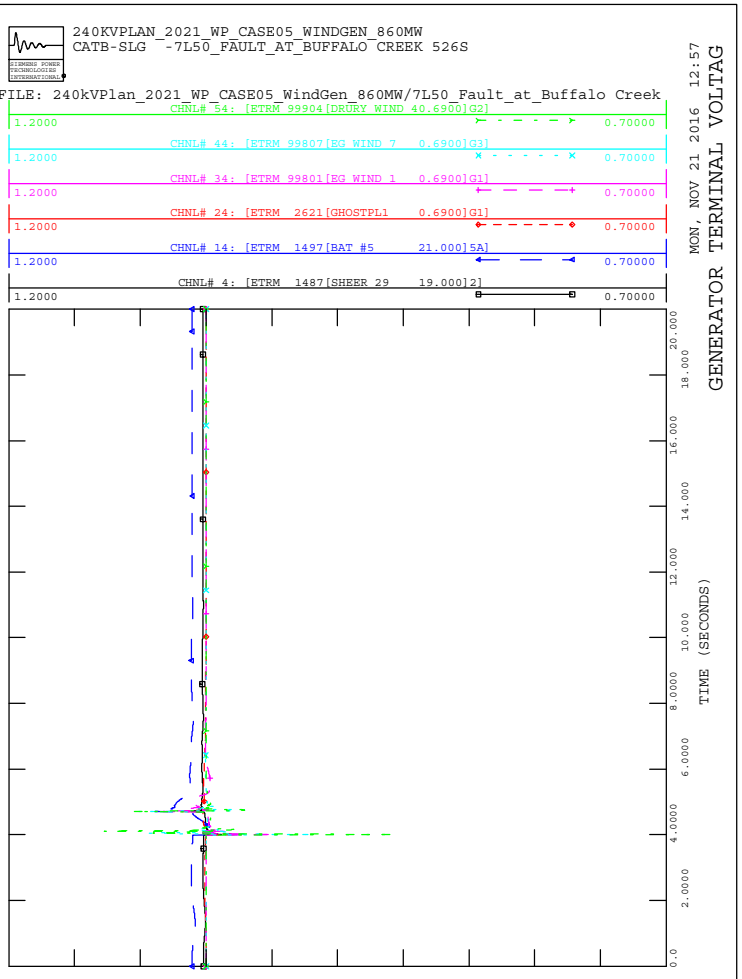
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek

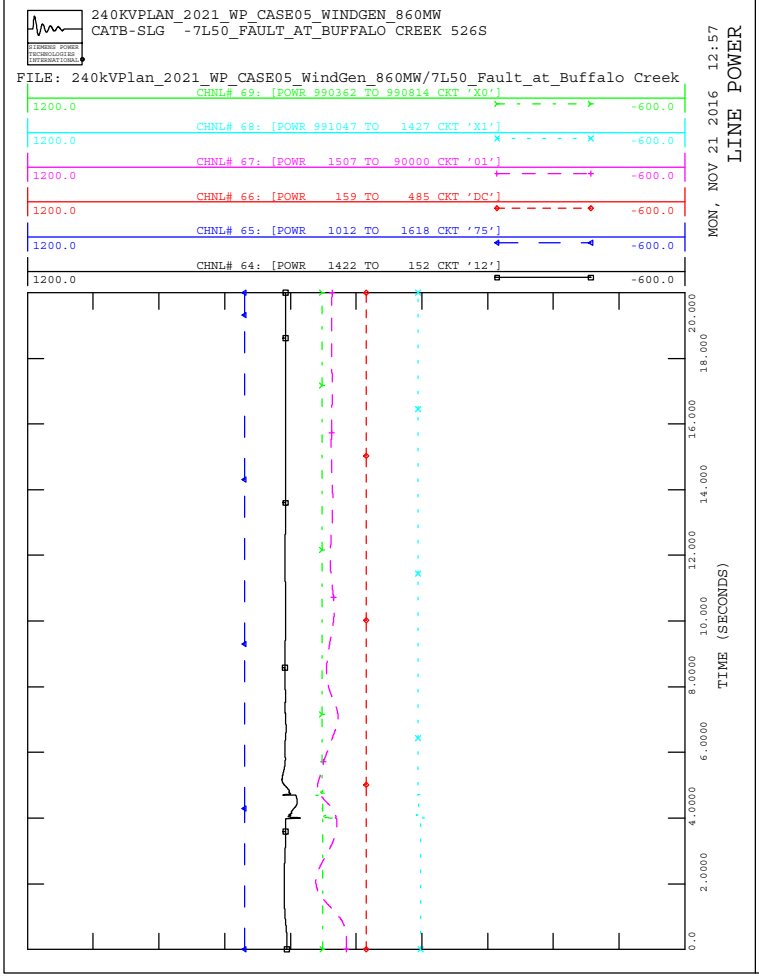
MON, NOV 21 2016 12:57

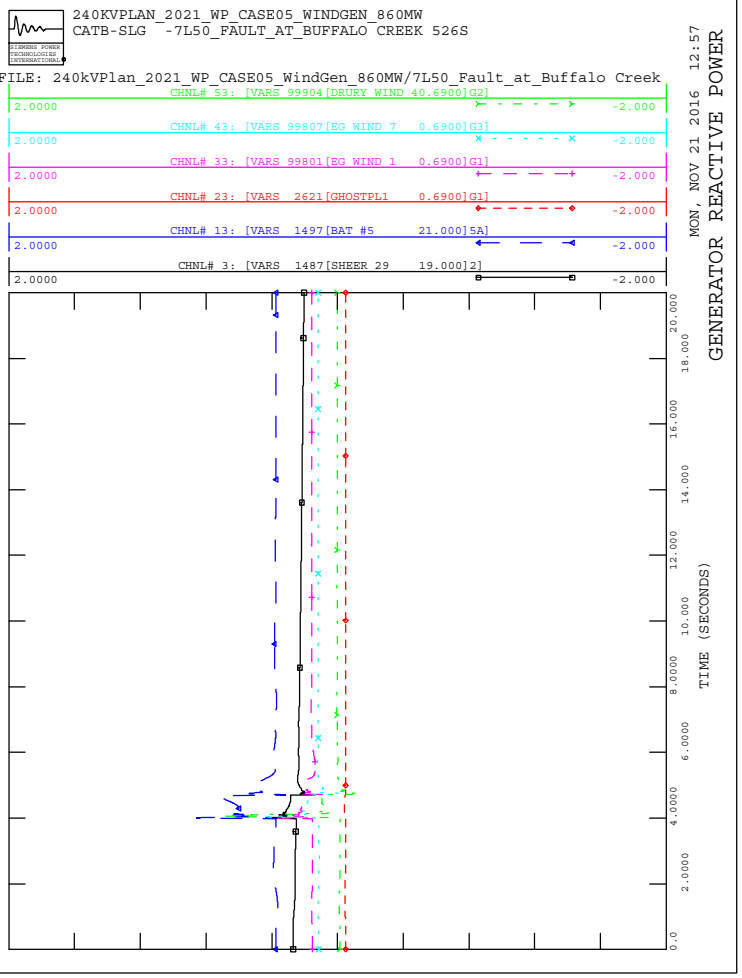
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

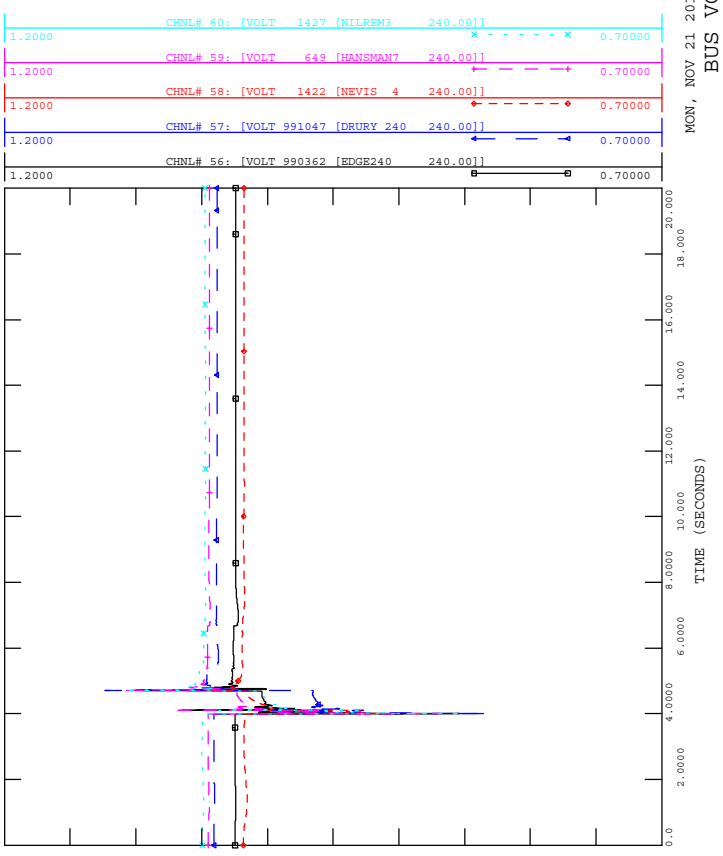

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BUFFALO CREEK 526S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Buffalo Creek
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

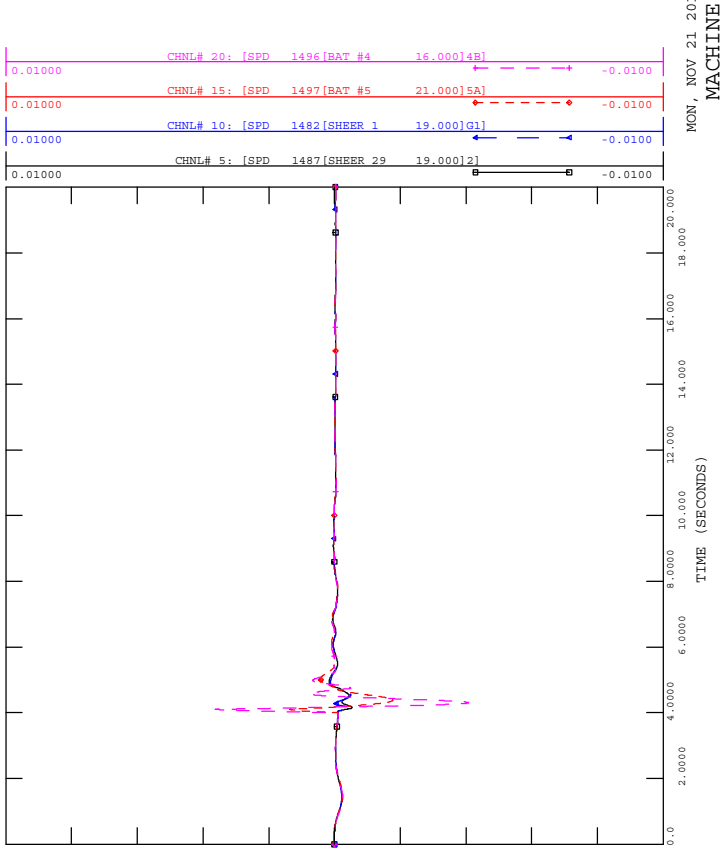
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7



MON, NOV 21 2016 12:57
BUS VOLTAGE

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

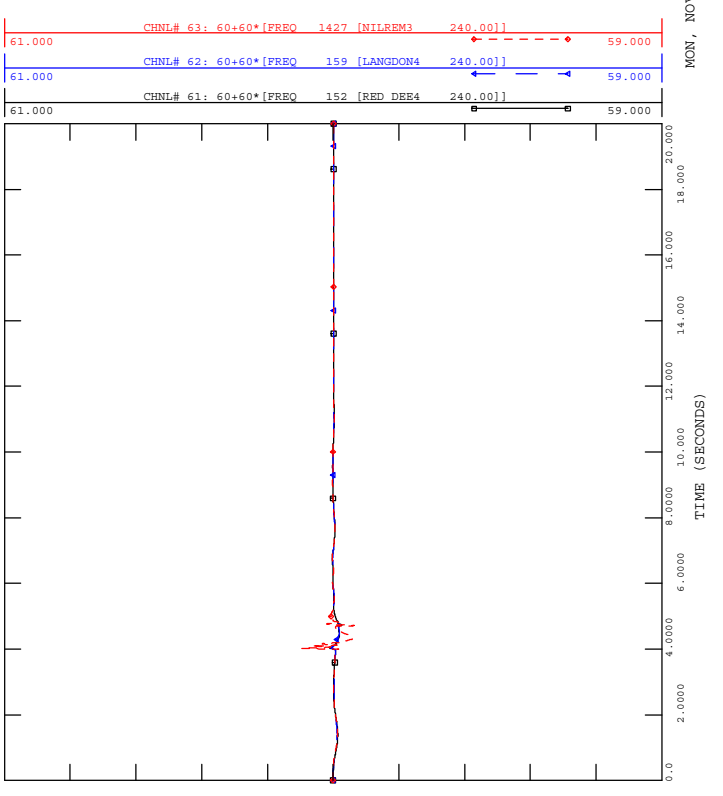
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7



MON, NOV 21 2016 12:57
MACHINE SPEED

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

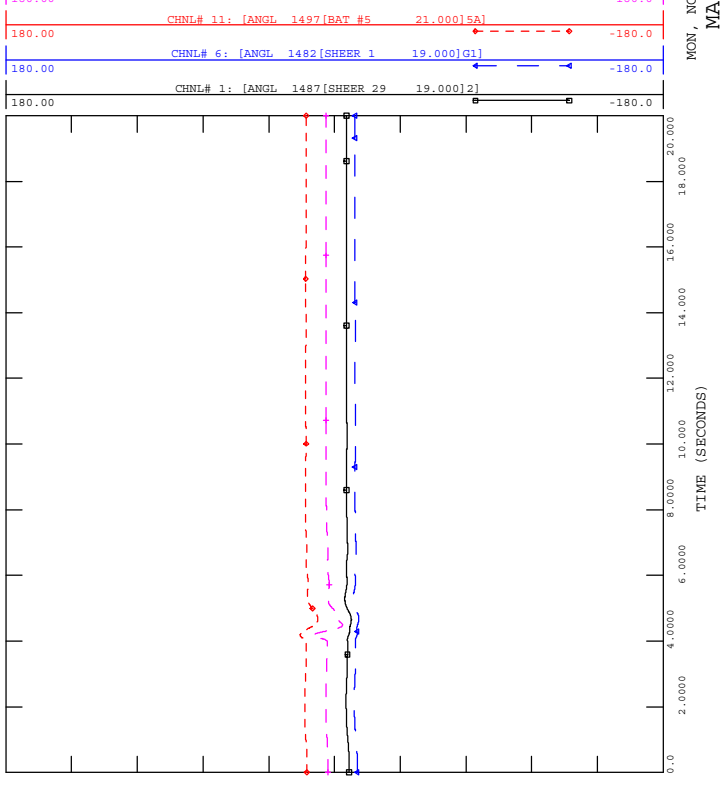
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7



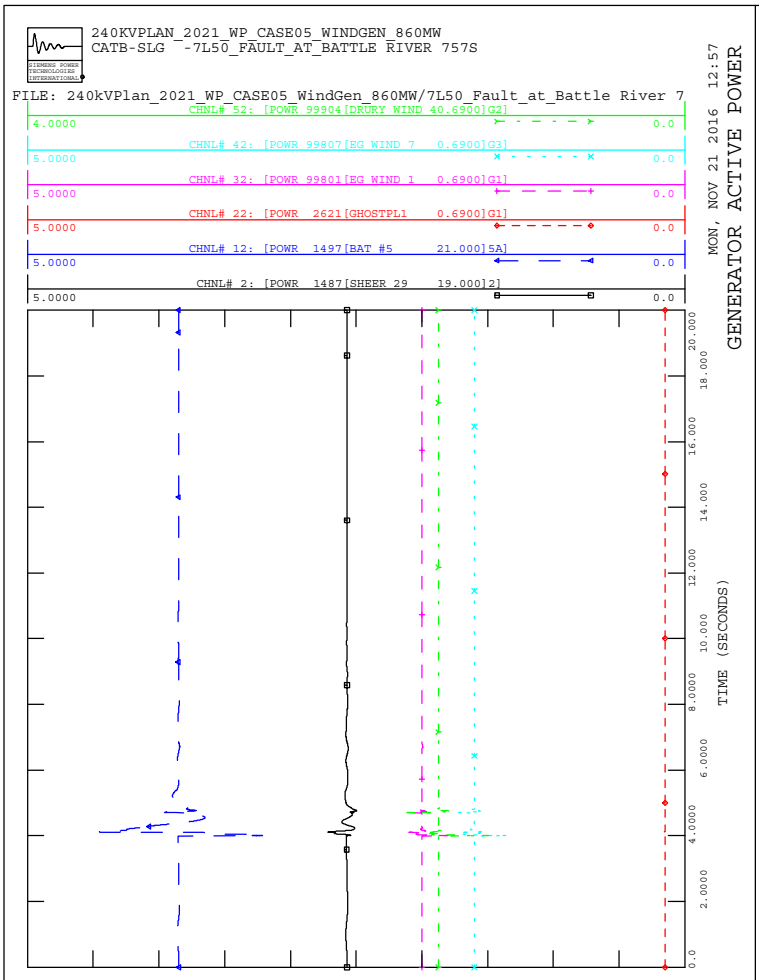
MON, NOV 21 2016 12:57
FREQUENCY

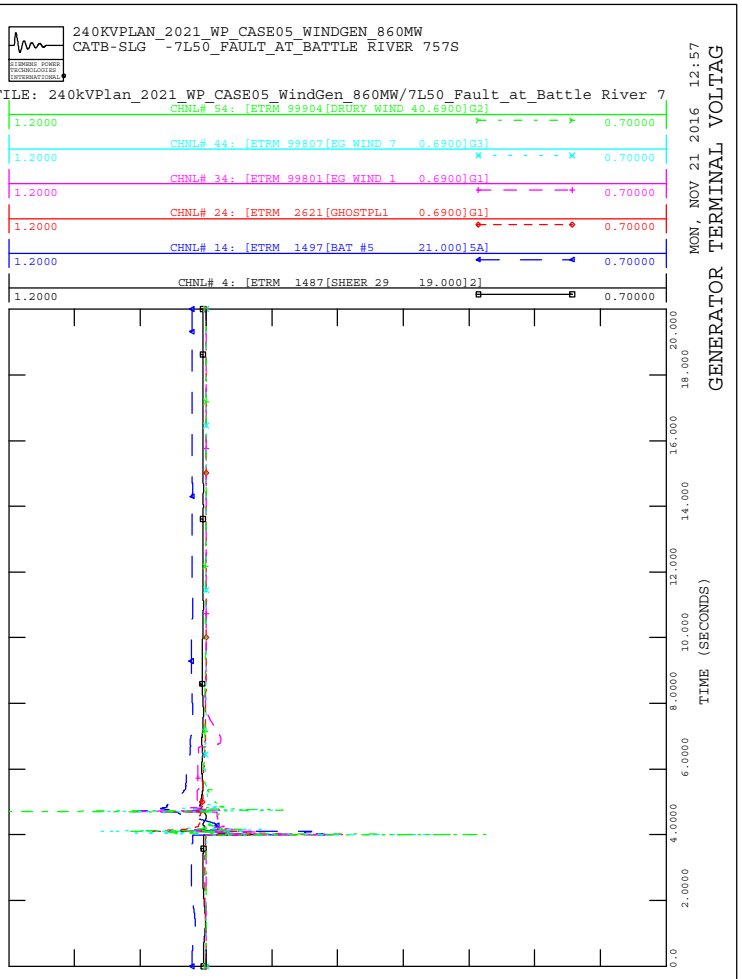
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S

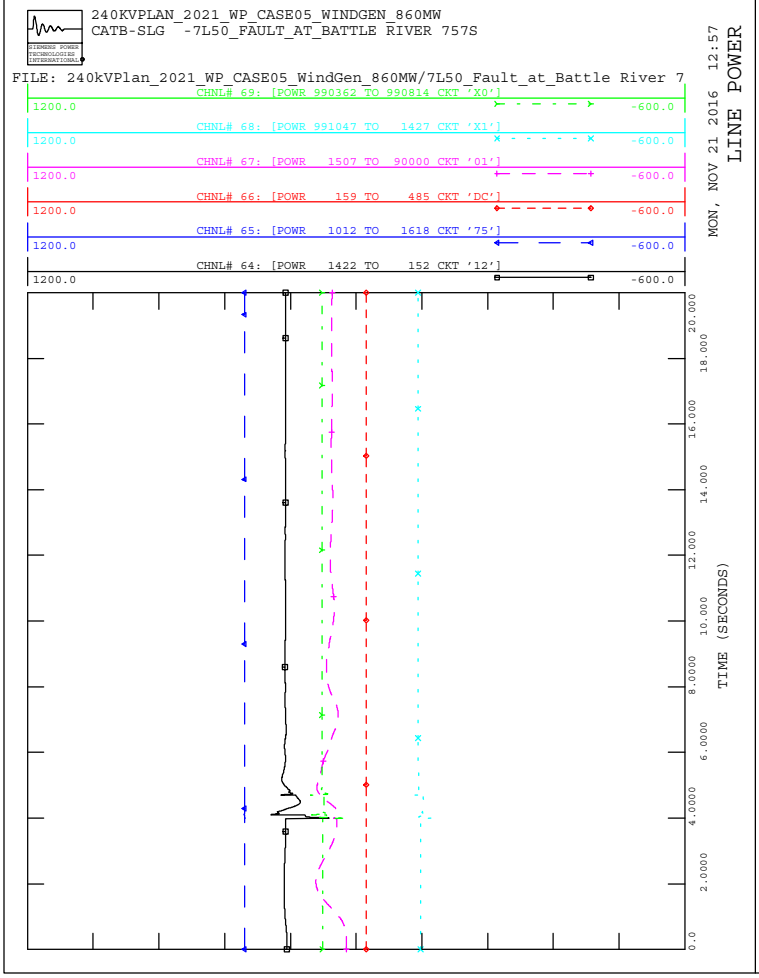
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7

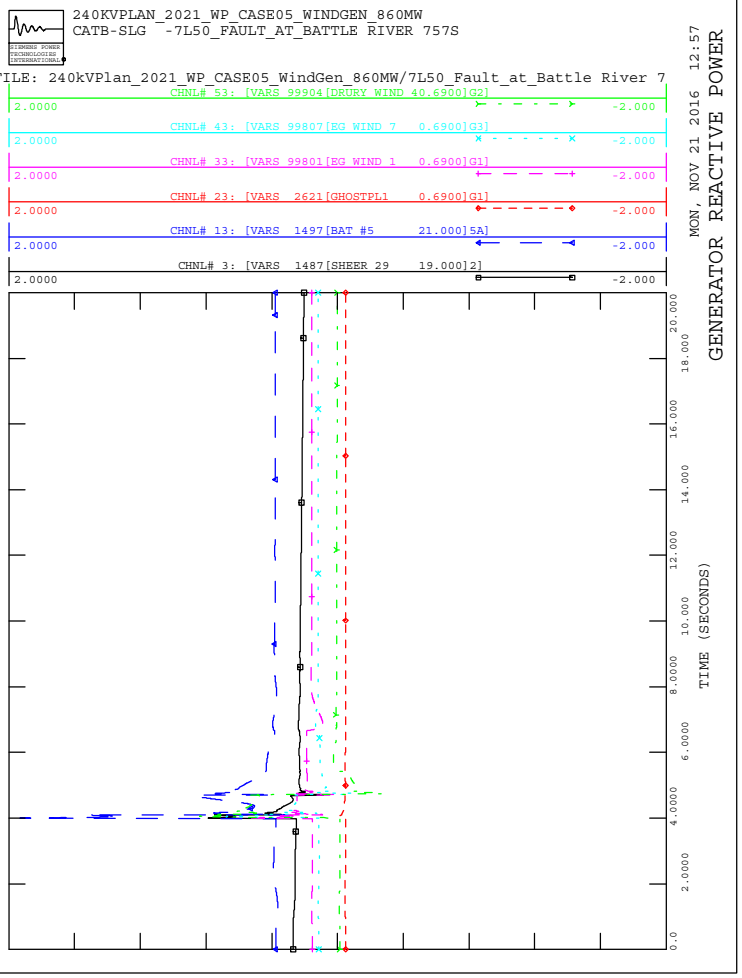


MON, NOV 21 2016 12:57
MACHINE ANGEL


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

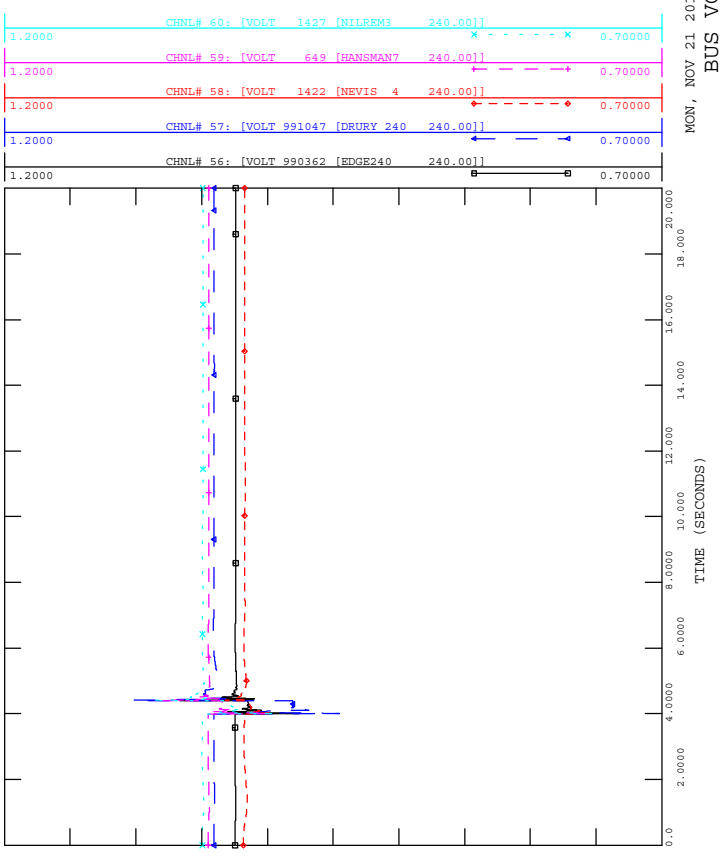

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L50_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 12:57

BUS VOLTAGE

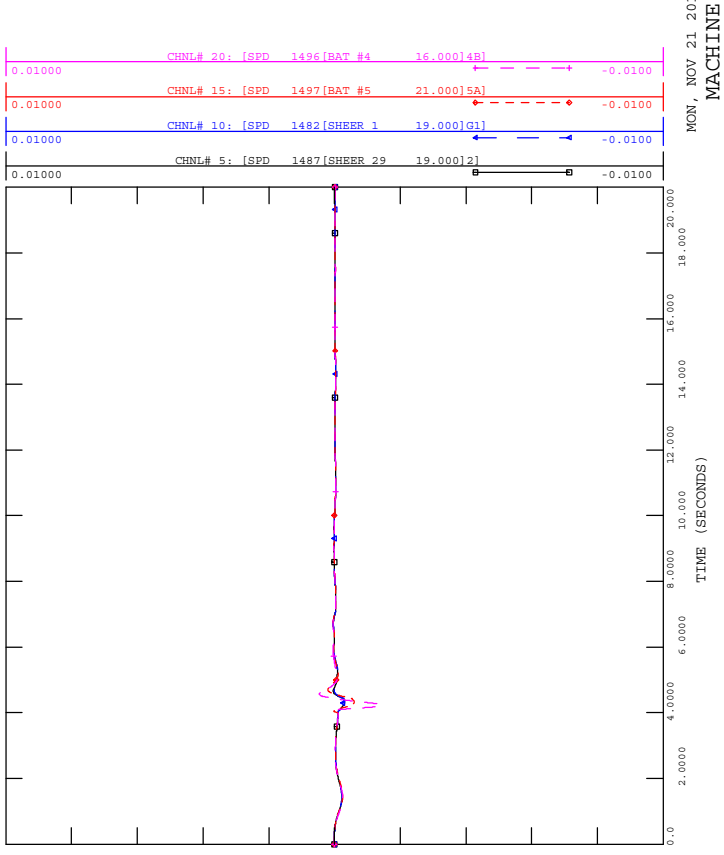


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Vegreville 709

MON, NOV 21 2016 12:57

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

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MON, NOV 21 2016 12:57

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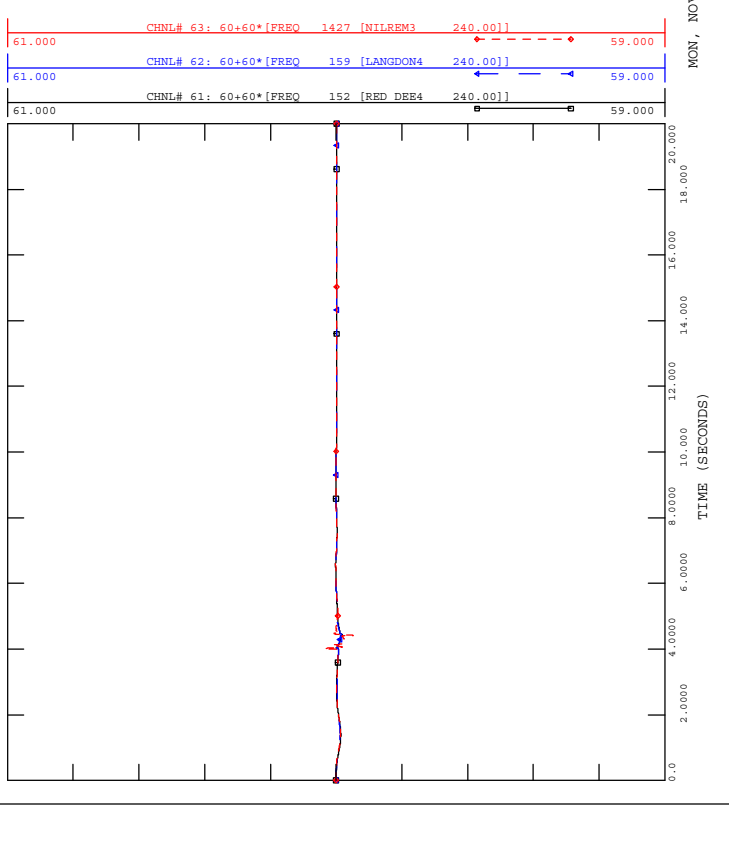

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S

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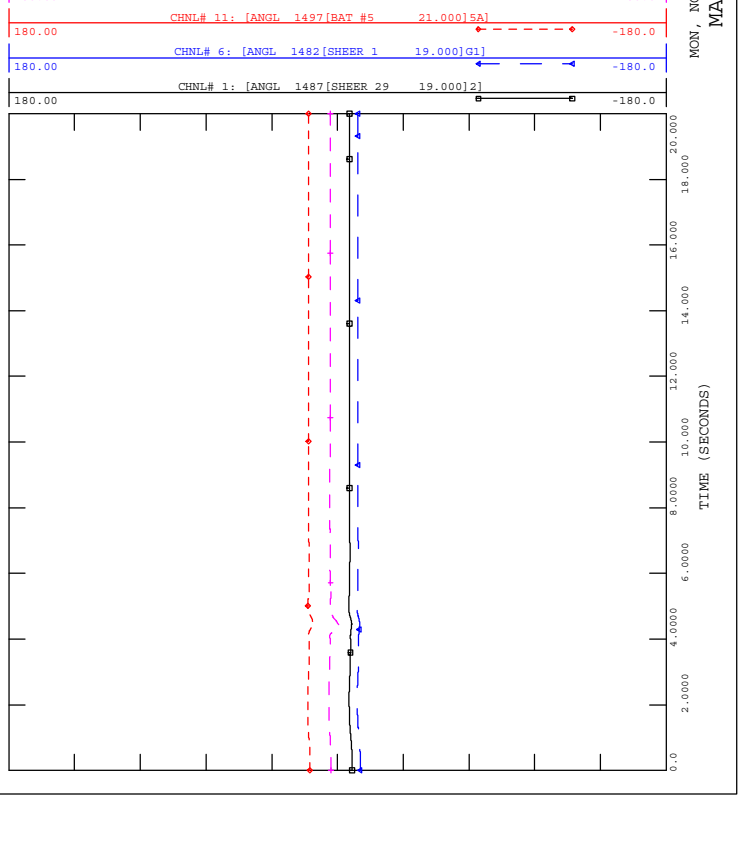
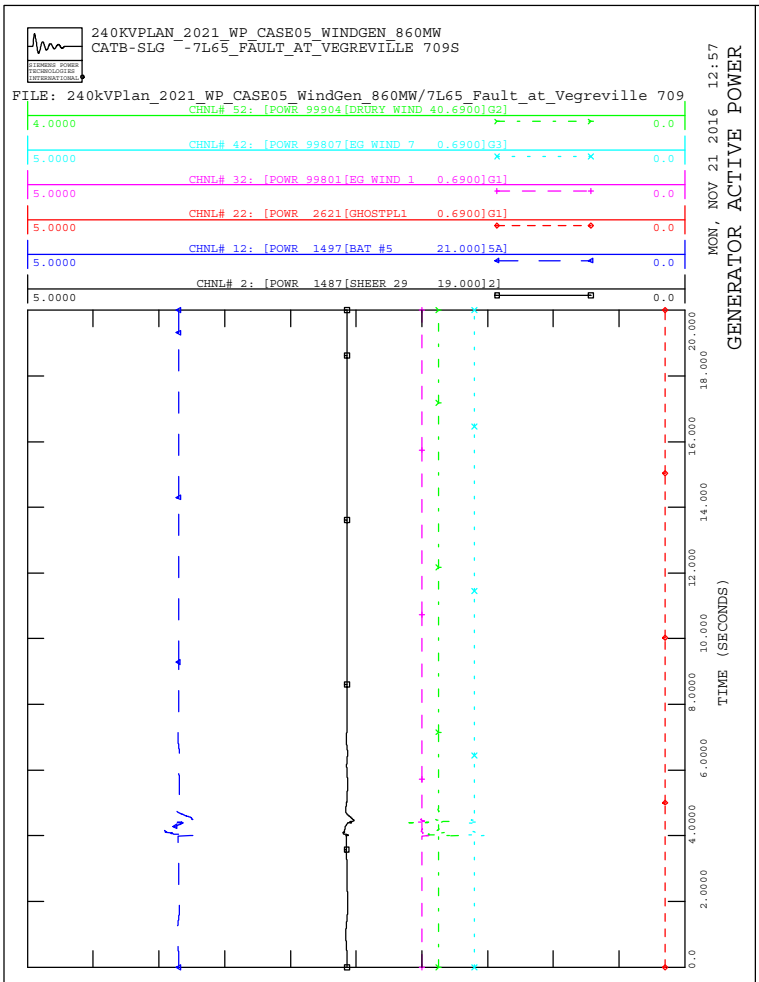
MON, NOV 21 2016 12:57

MACHINE ANGEL

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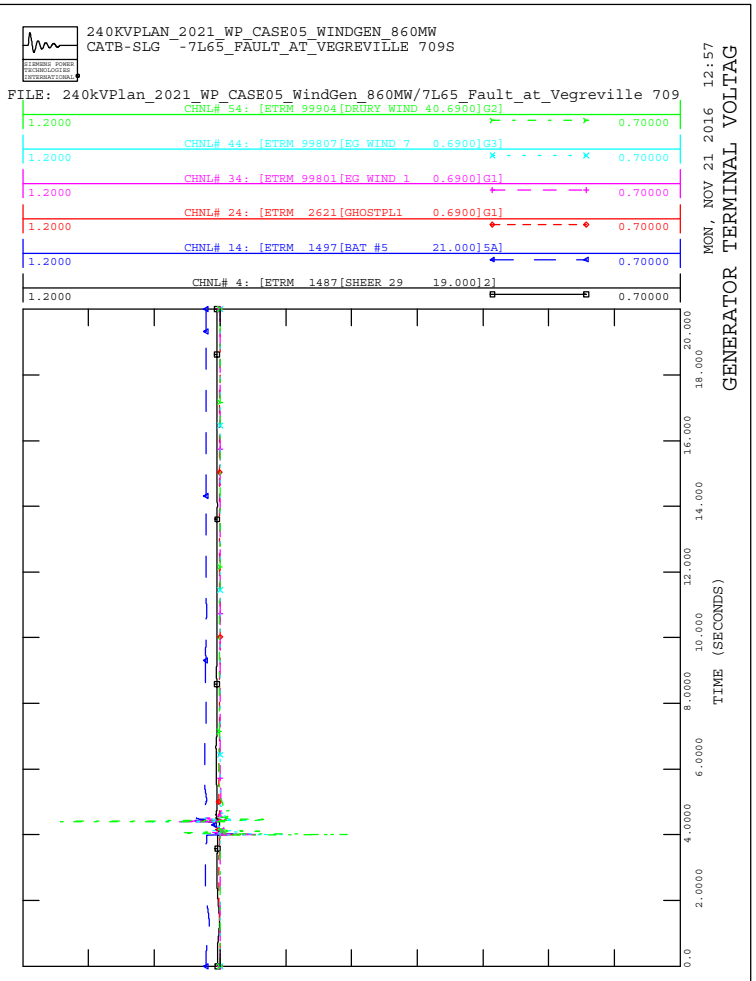
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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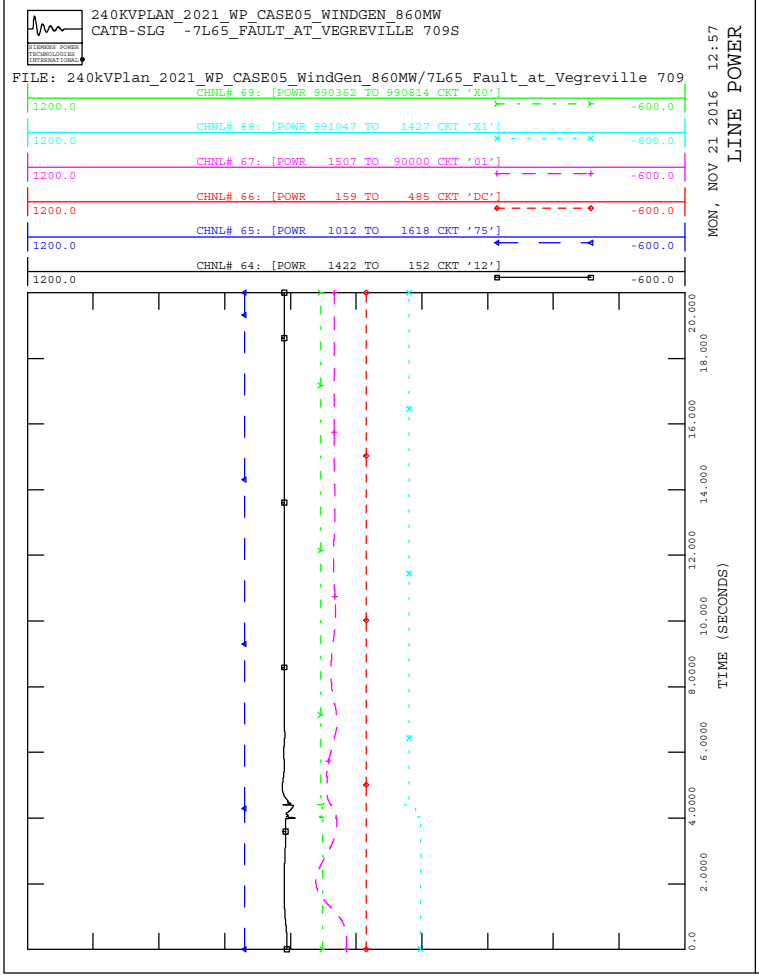
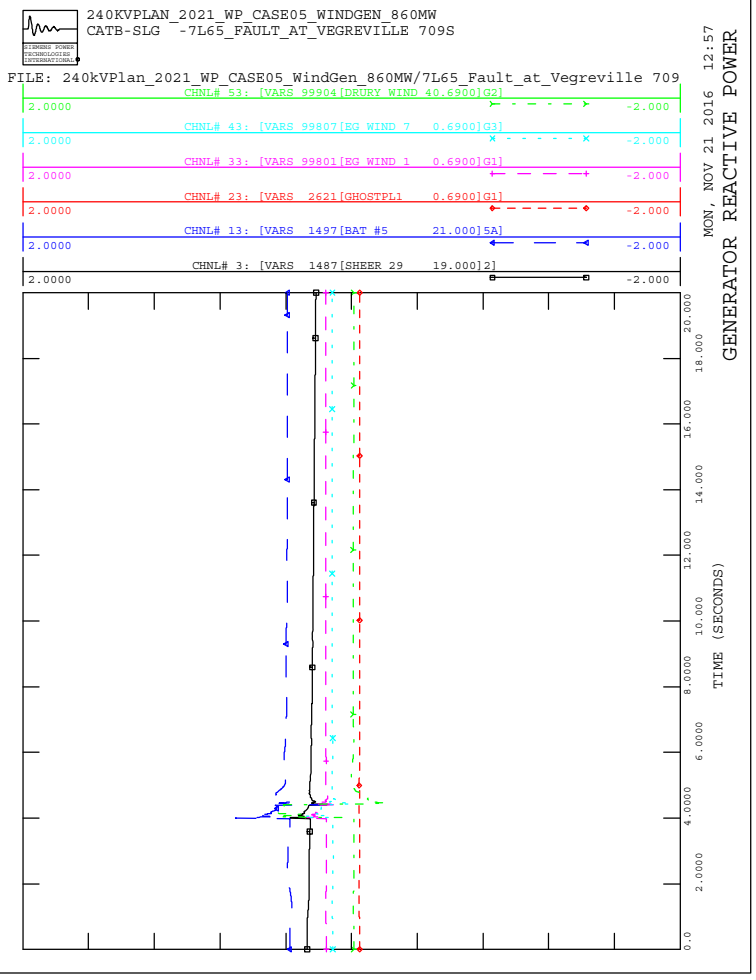
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

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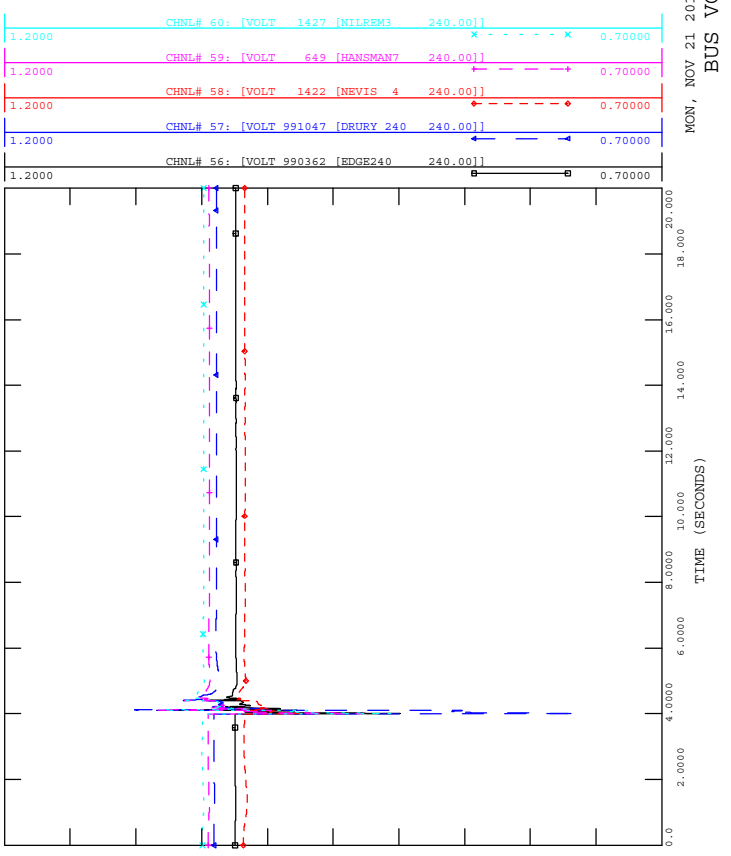
MON, NOV 21 2016 12:57

BUS VOLTAGE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

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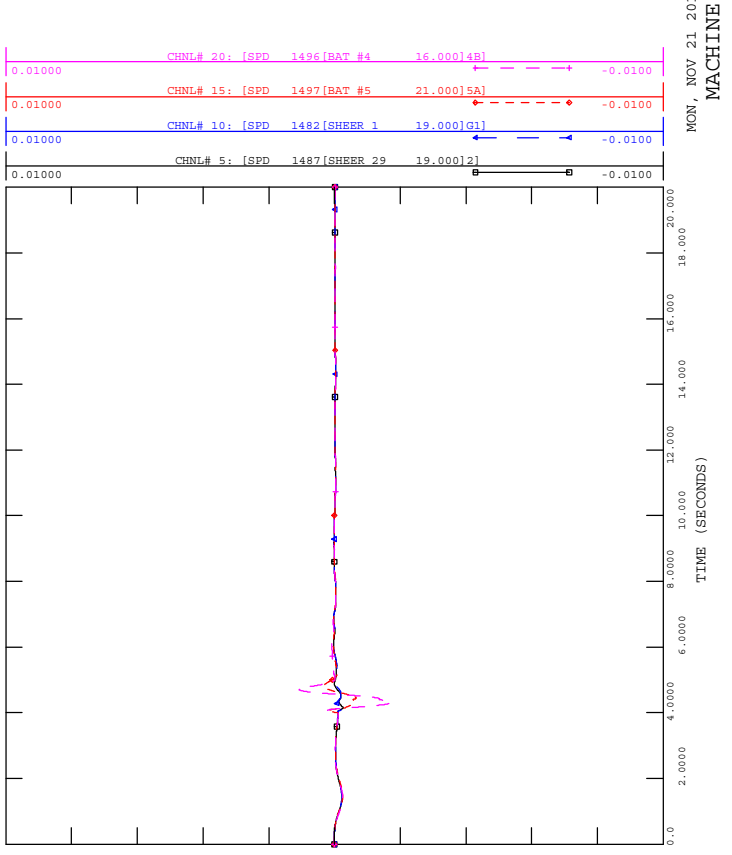
MON, NOV 21 2016 12:57

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

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MON, NOV 21 2016 12:57

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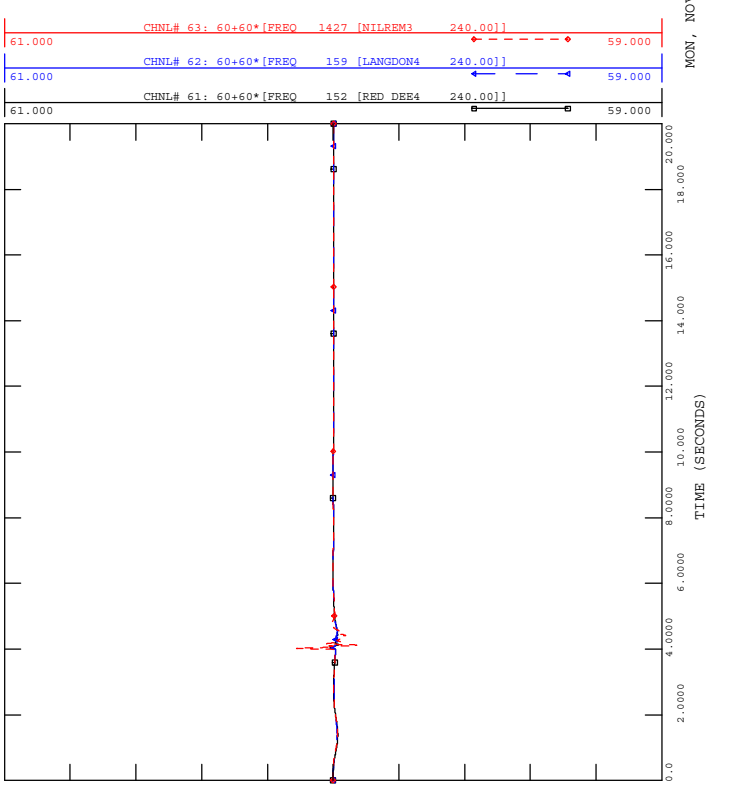

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

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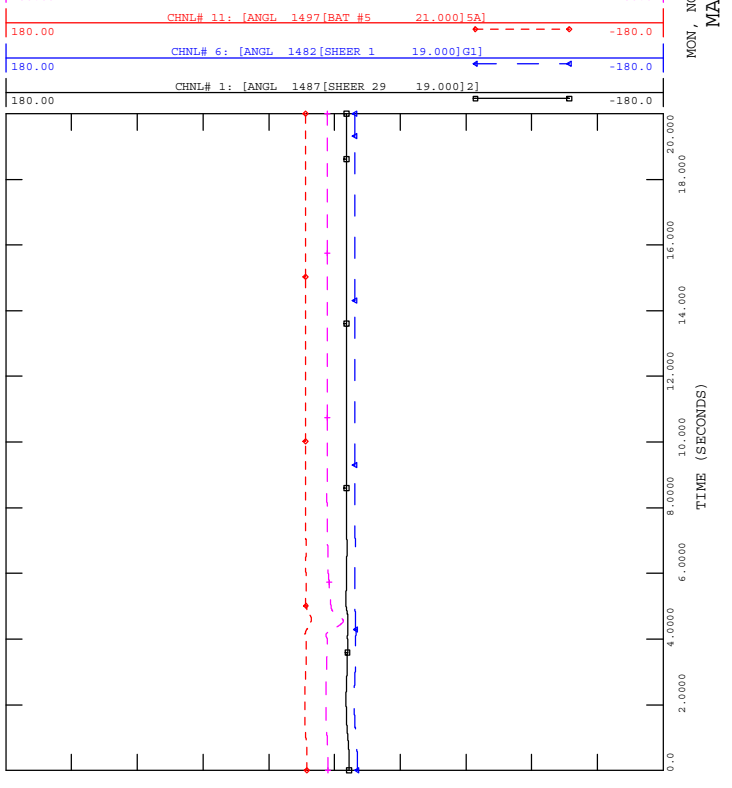
MON, NOV 21 2016 12:57

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

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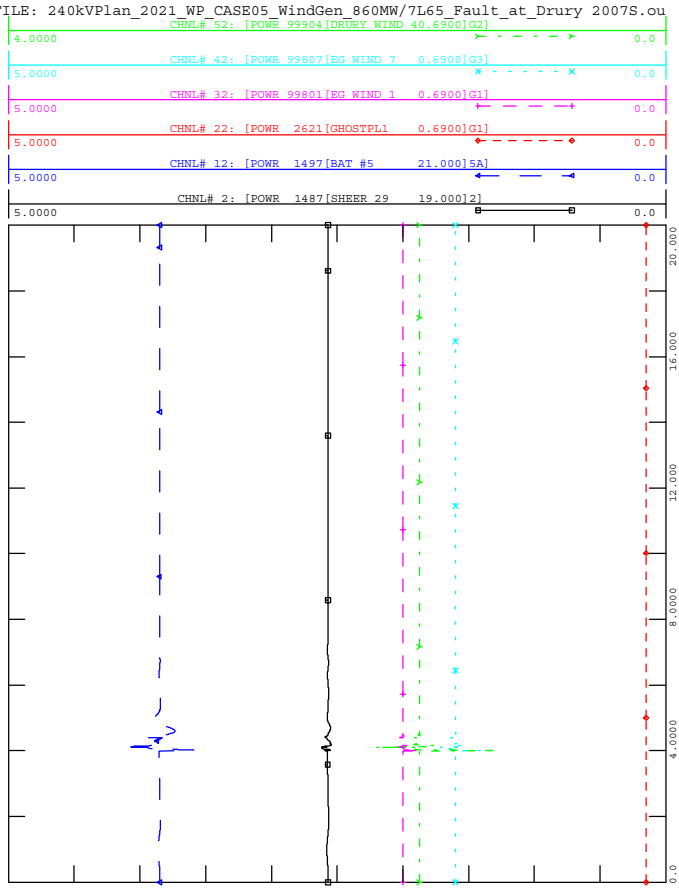
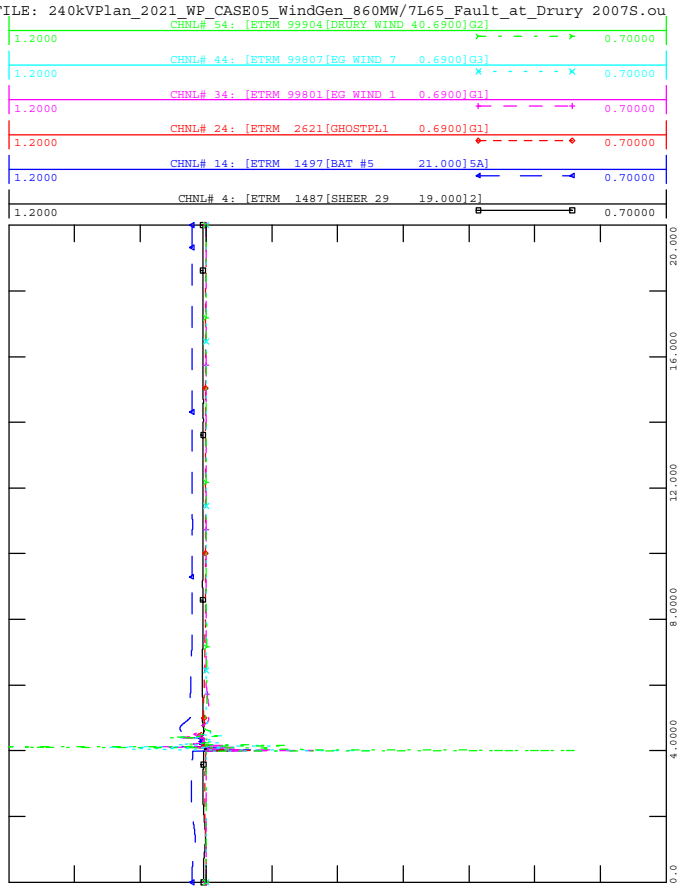


MON, NOV 21 2016 12:57

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou



MON, NOV 21 2016 12:57

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

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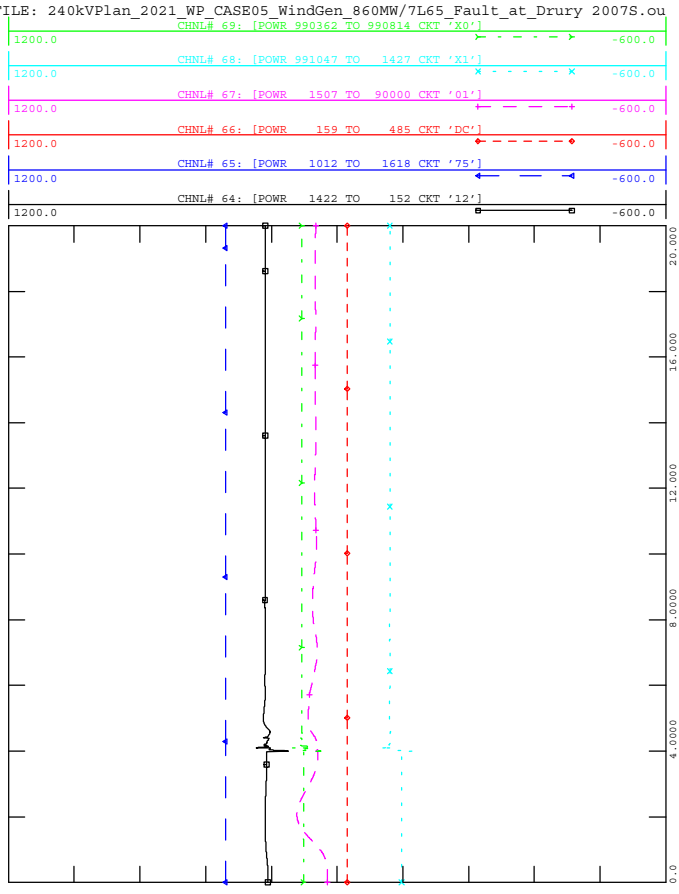
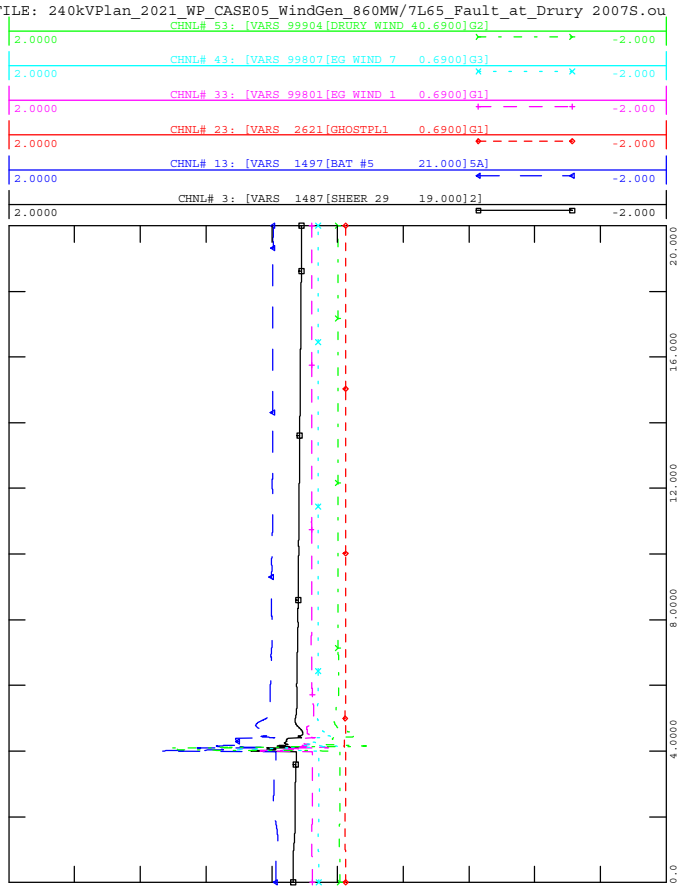


MON, NOV 21 2016 12:57

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L65_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_Fault_at_Drury 2007S.ou



MON, NOV 21 2016 12:57

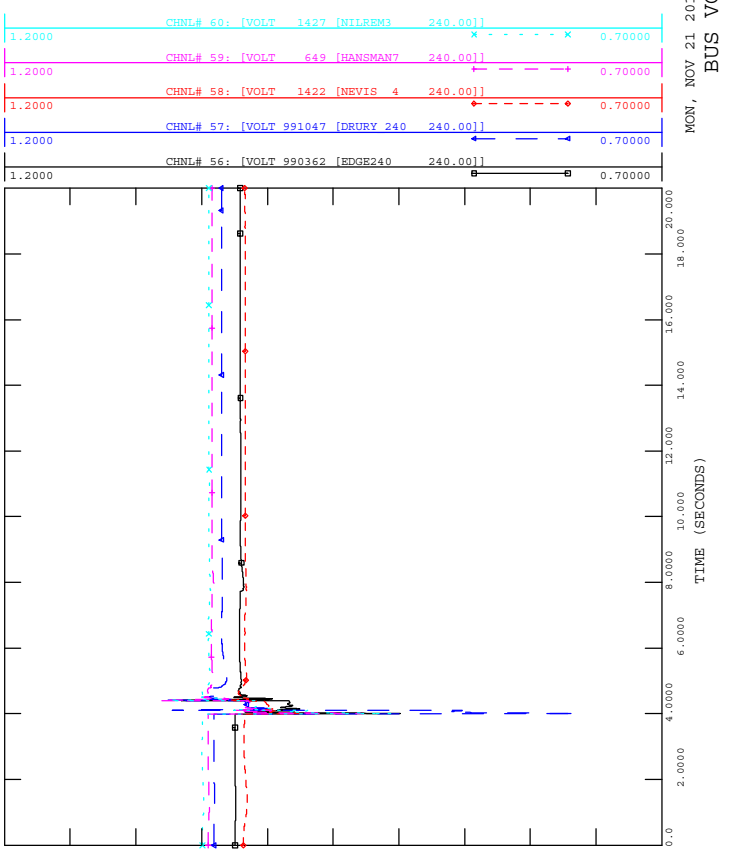
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Drury 2007S.o

MON, NOV 21 2016 12:57

BUS VOLTAGE



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CATB-SLG -7L205_FAULT_AT_DRURY 2007S

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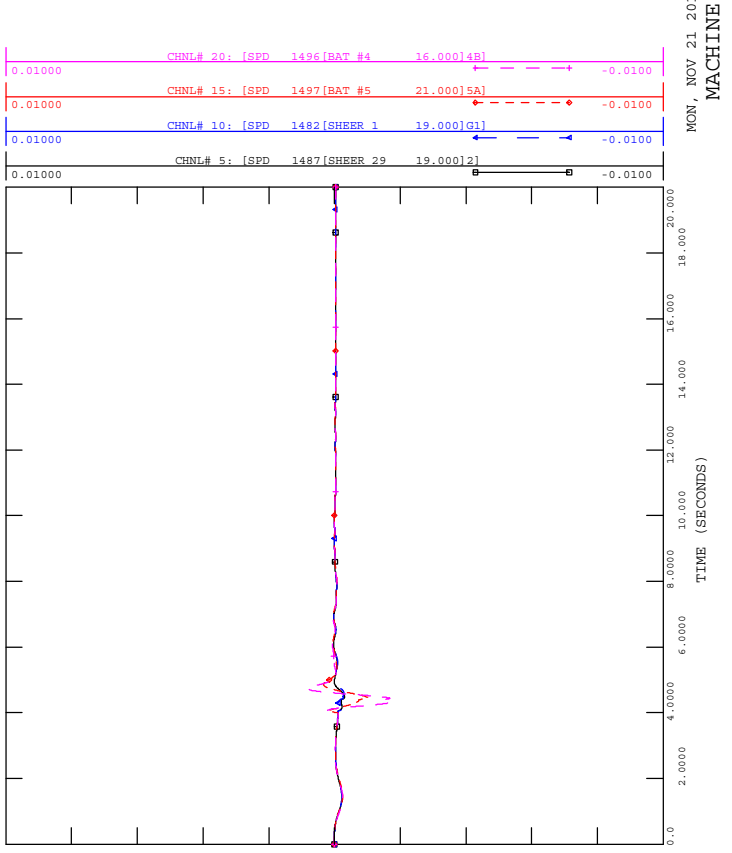
MON, NOV 21 2016 12:57

MACHINE SPEED



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CATB-SLG -7L205_FAULT_AT_DRURY 2007S

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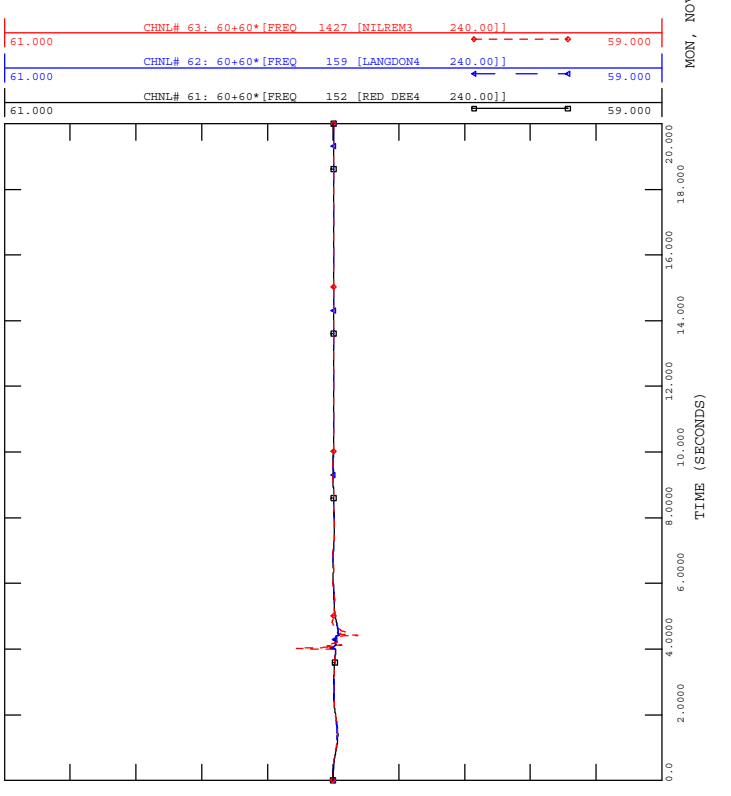

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CATB-SLG -7L205_FAULT_AT_DRURY 2007S

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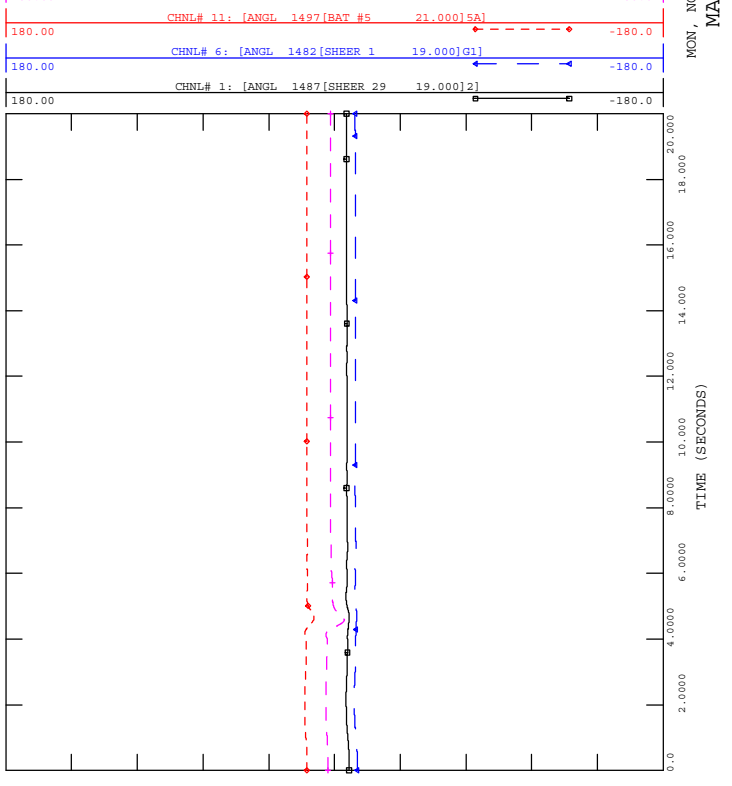
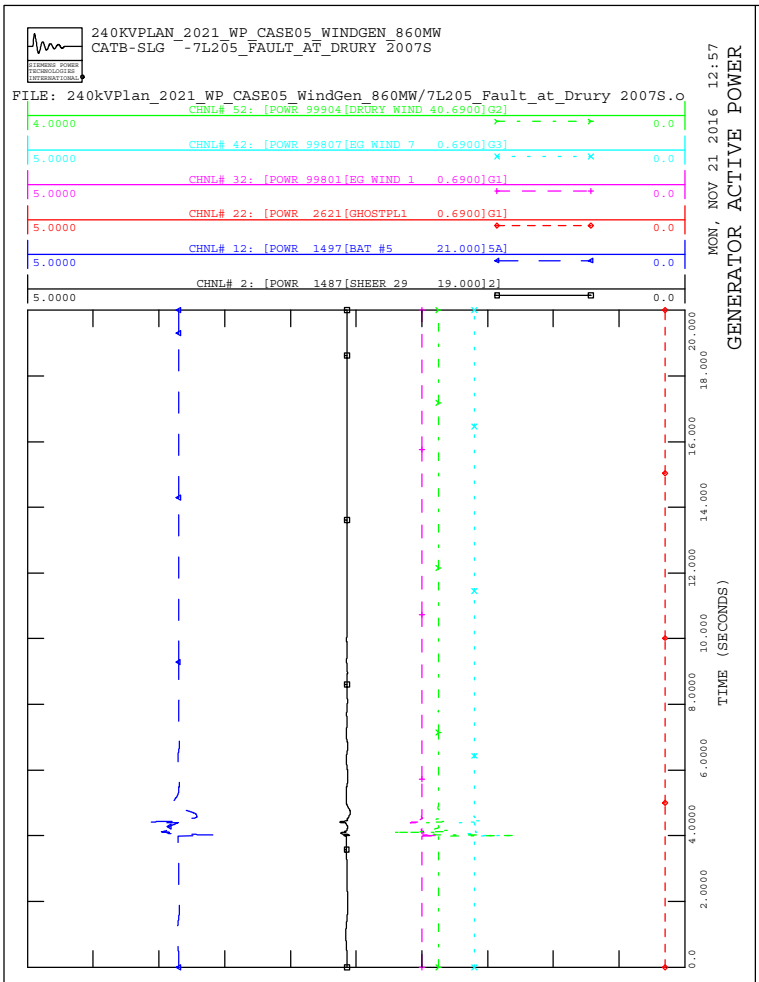
MON, NOV 21 2016 12:57

MACHINE ANGEL

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CATB-SLG -7L205_FAULT_AT_DRURY 2007S
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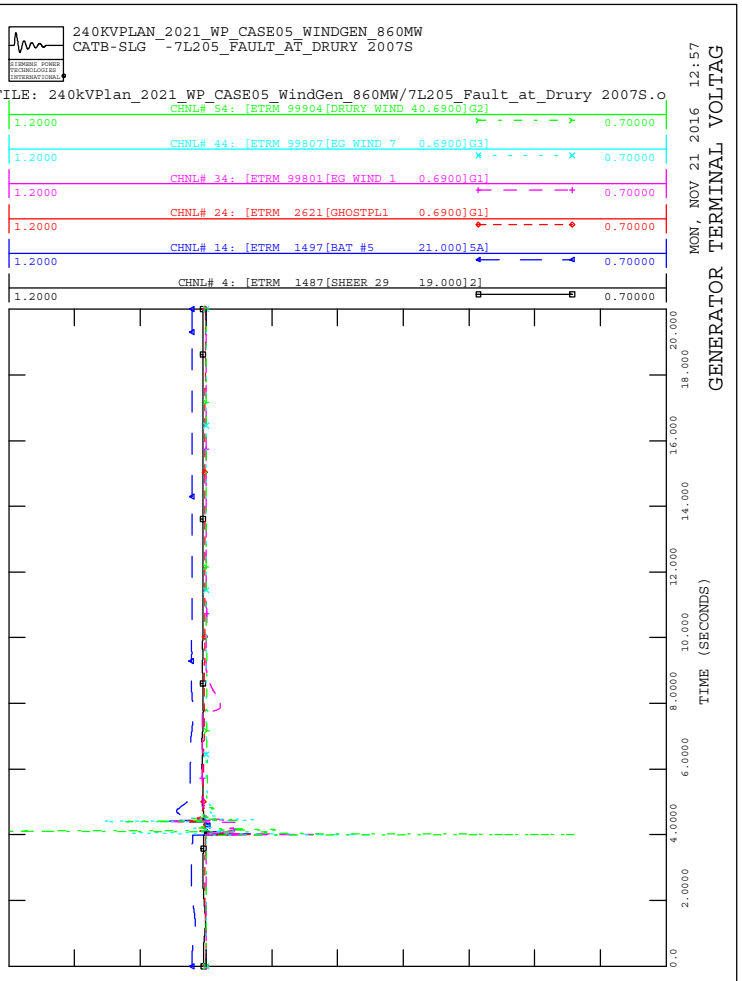
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)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CATB-SLG -7L205_FAULT_AT_DRURY 2007S
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
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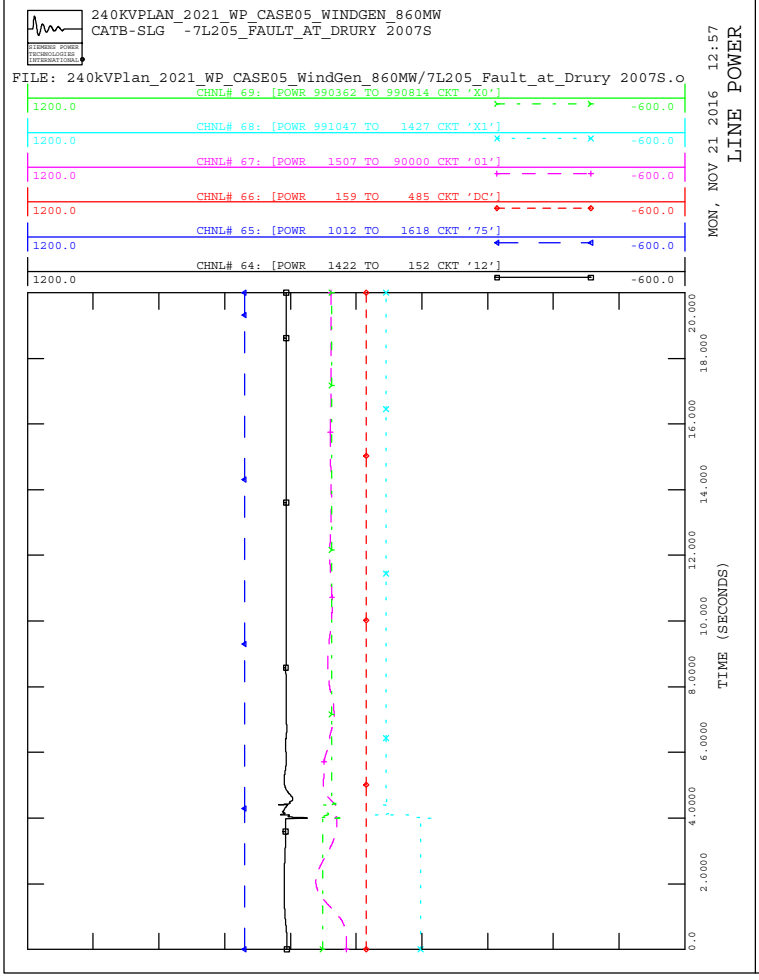
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)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CATB-SLG -7L205_FAULT_AT_DRURY 2007S
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CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
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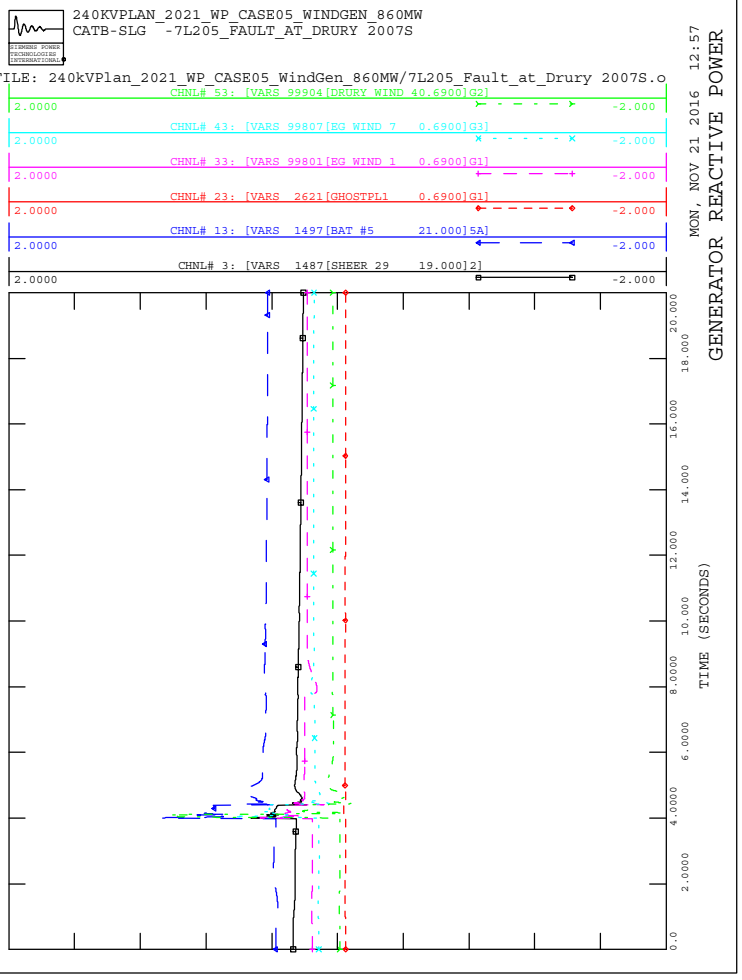
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)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CATB-SLG -7L205_FAULT_AT_DRURY 2007S
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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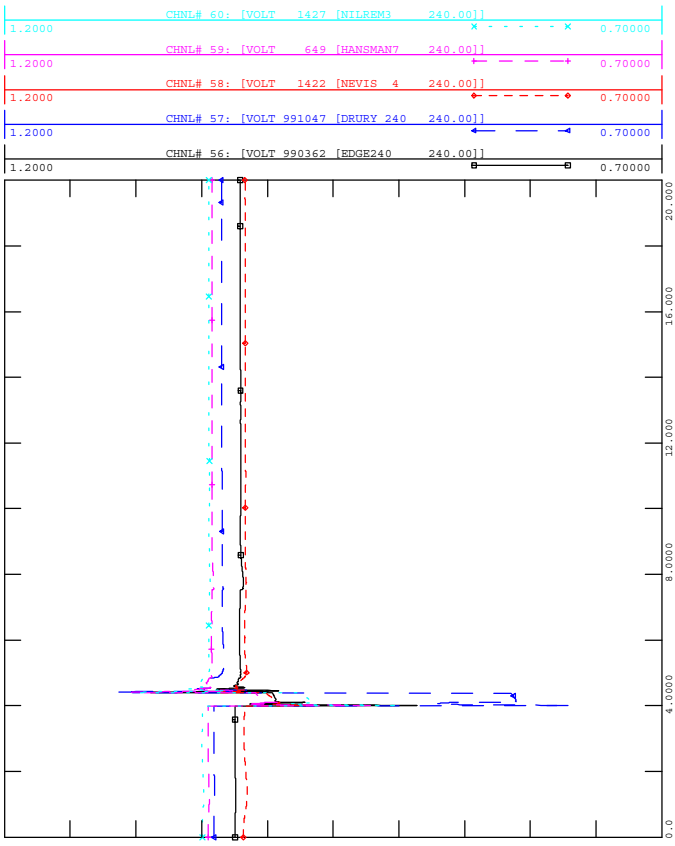
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Vermillion 71

MON, NOV 21 2016 12:57

BUS VOLTAGE

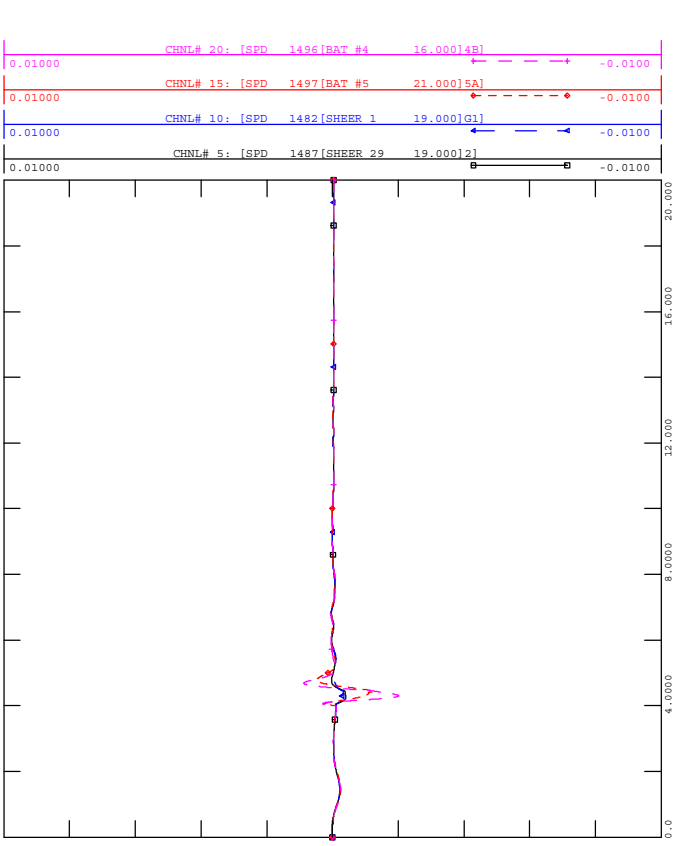


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Vermillion 71

MON, NOV 21 2016 12:57

MACHINE SPEED

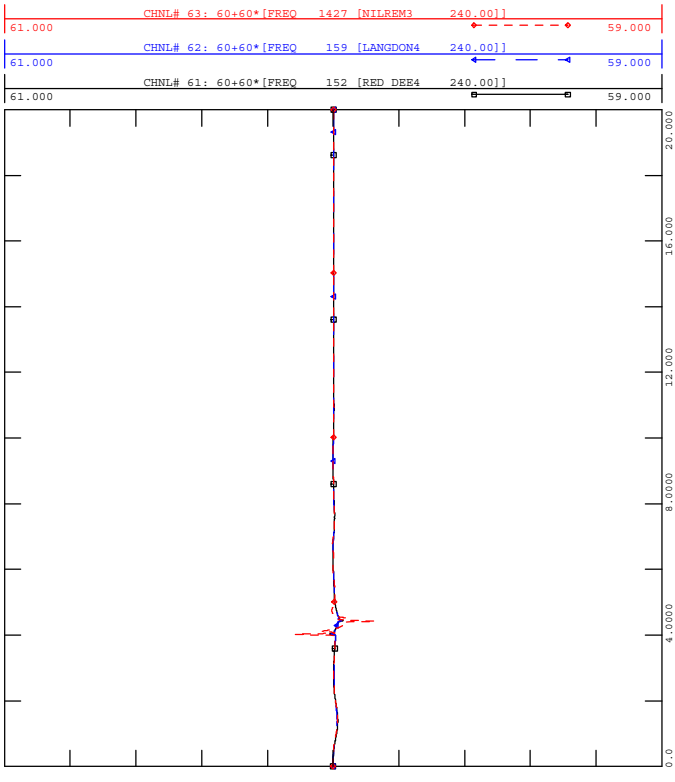


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Vermillion 71

MON, NOV 21 2016 12:57

FREQUENCY

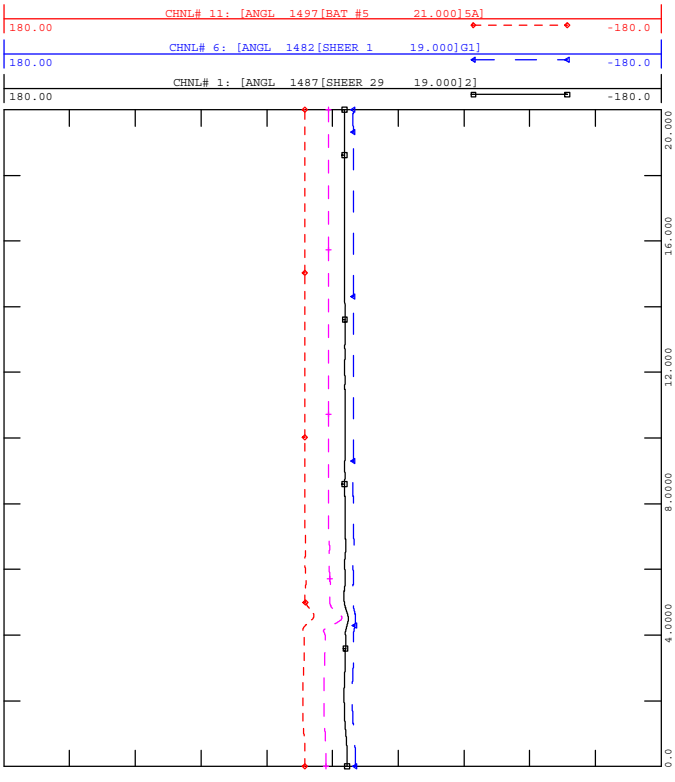


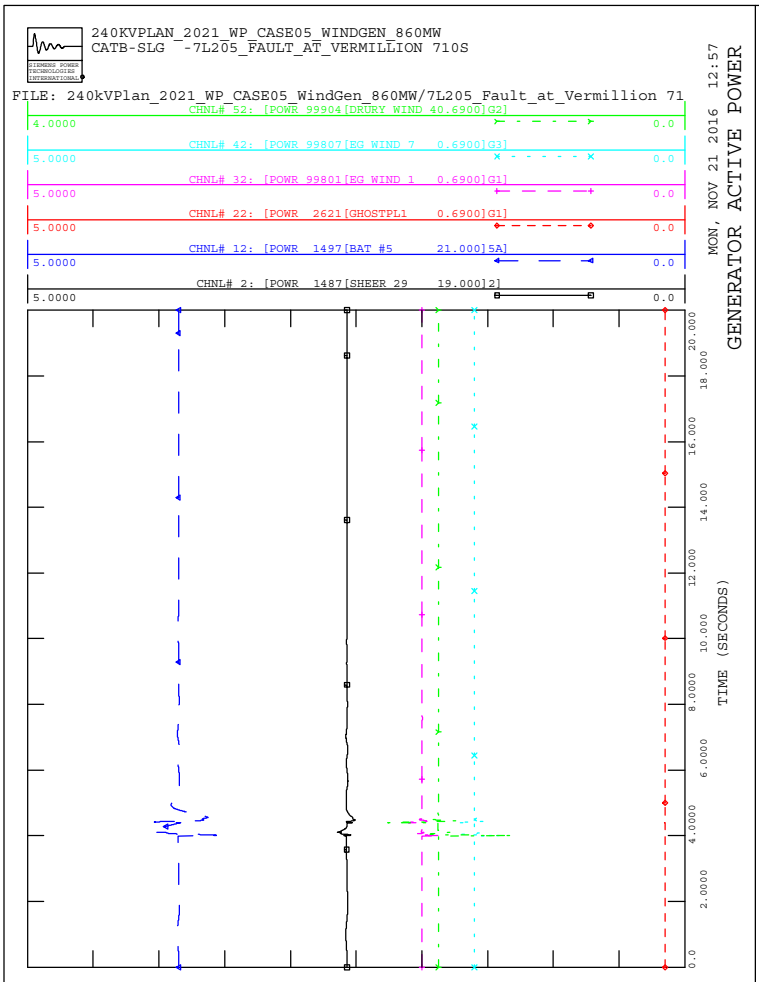
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S

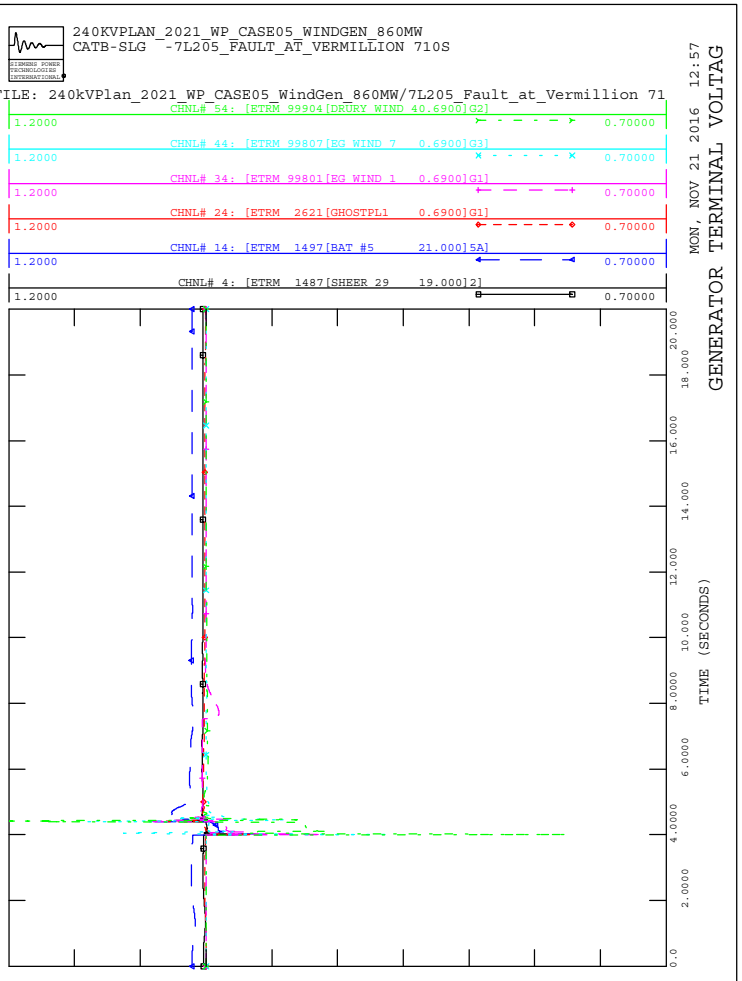
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Vermillion 71

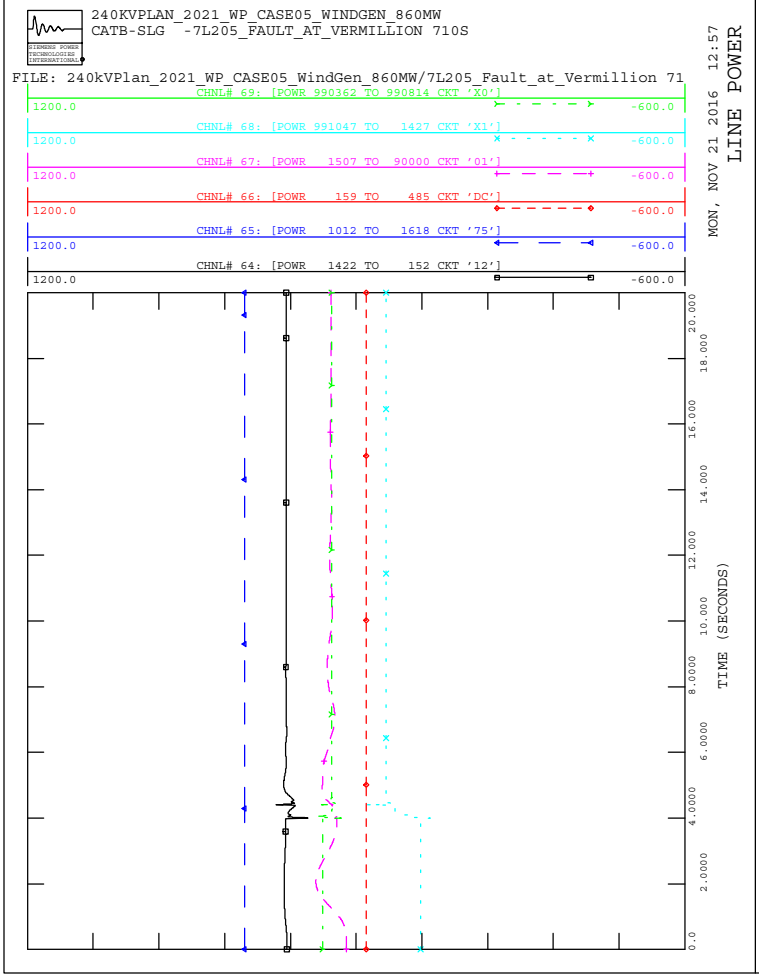
MON, NOV 21 2016 12:57

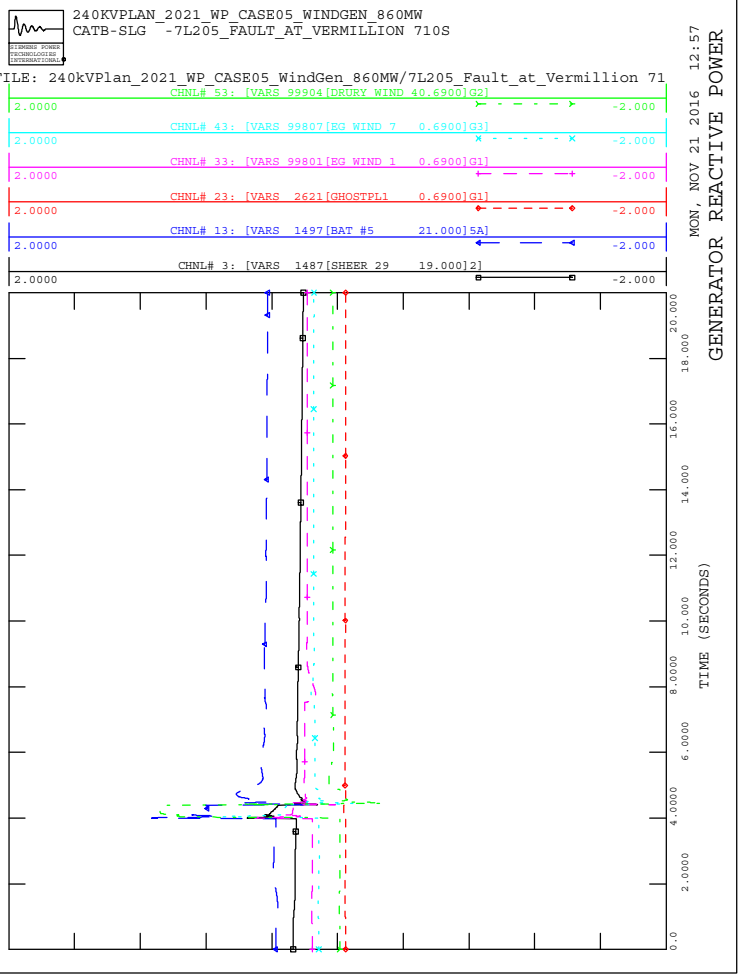
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Vermillion 71
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Vermillion 71
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Vermillion 71
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:57
LINE POWER
TIME (SECONDS)

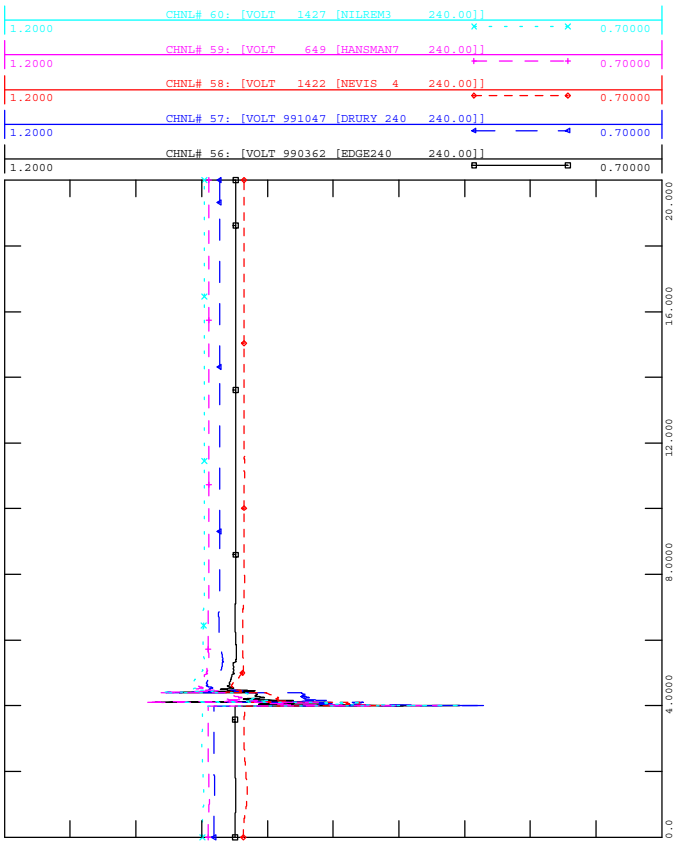

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L205_FAULT_AT_VERMILLION 710S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_Fault_at_Vermillion 71
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 12:57

BUS VOLTAGE

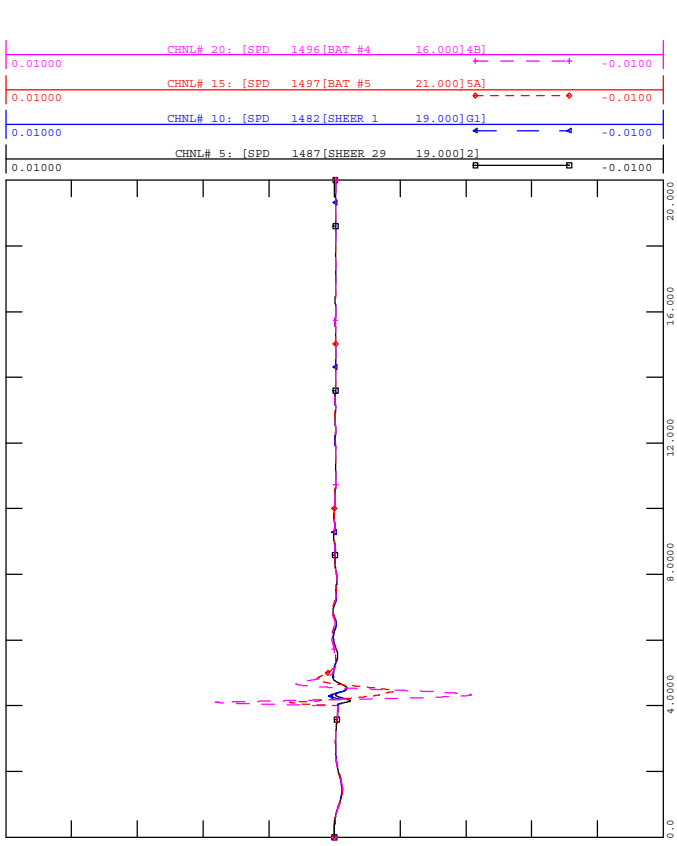


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 12:57

MACHINE SPEED

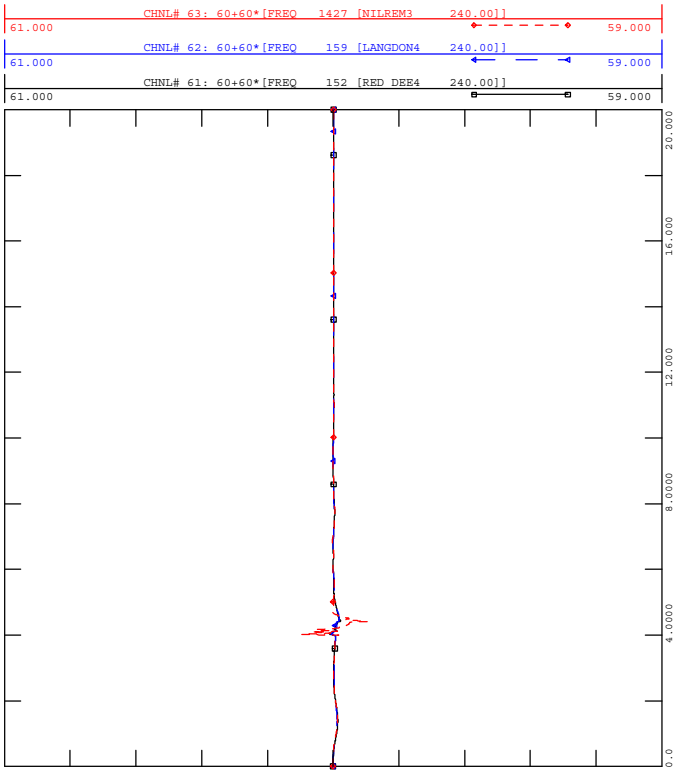


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River

MON, NOV 21 2016 12:57

FREQUENCY

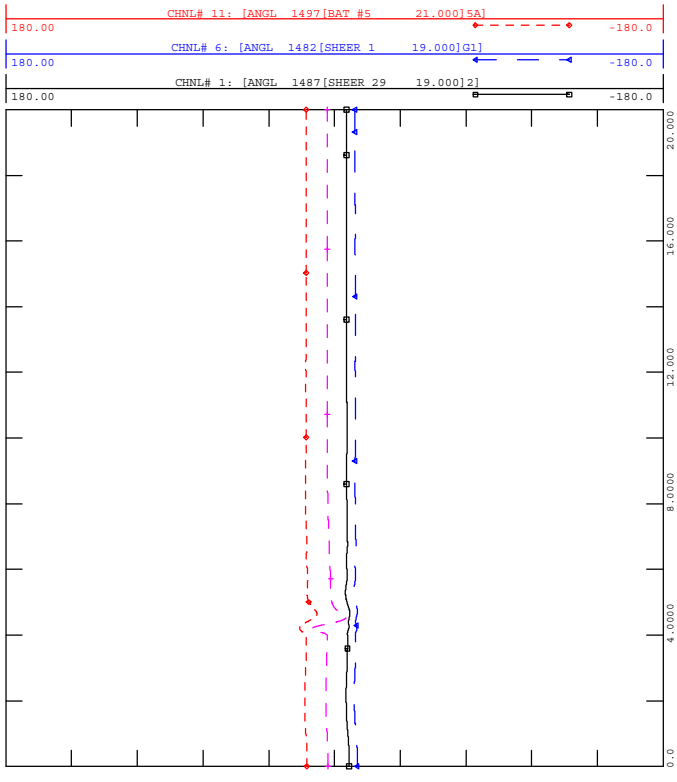


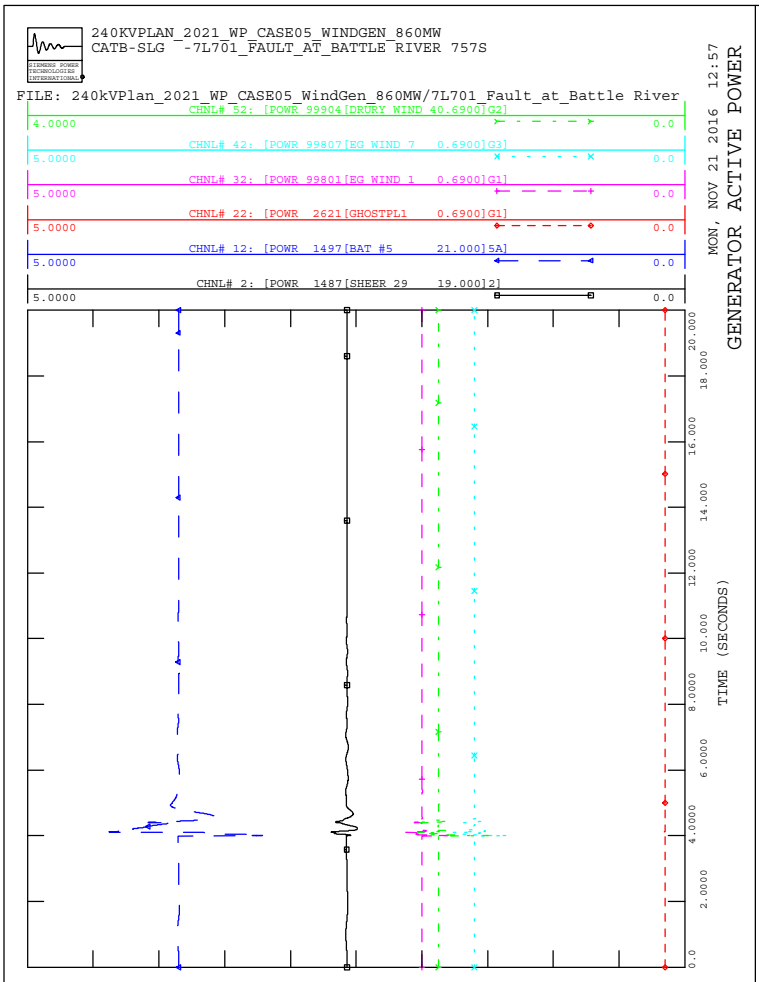
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE RIVER 757S

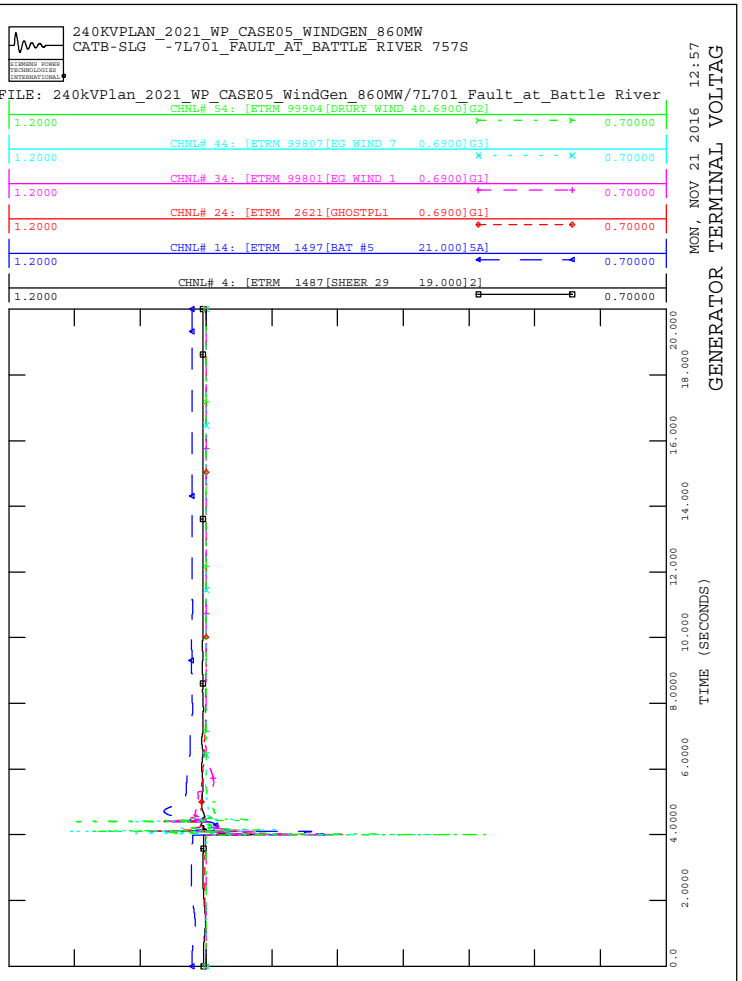
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River

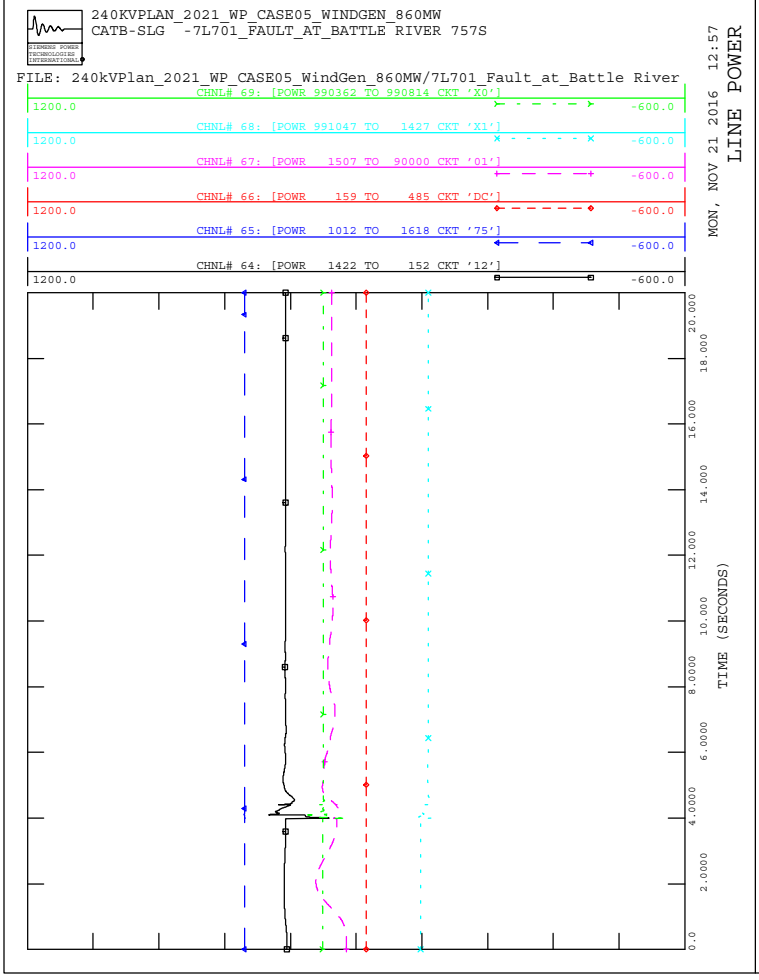
MON, NOV 21 2016 12:57

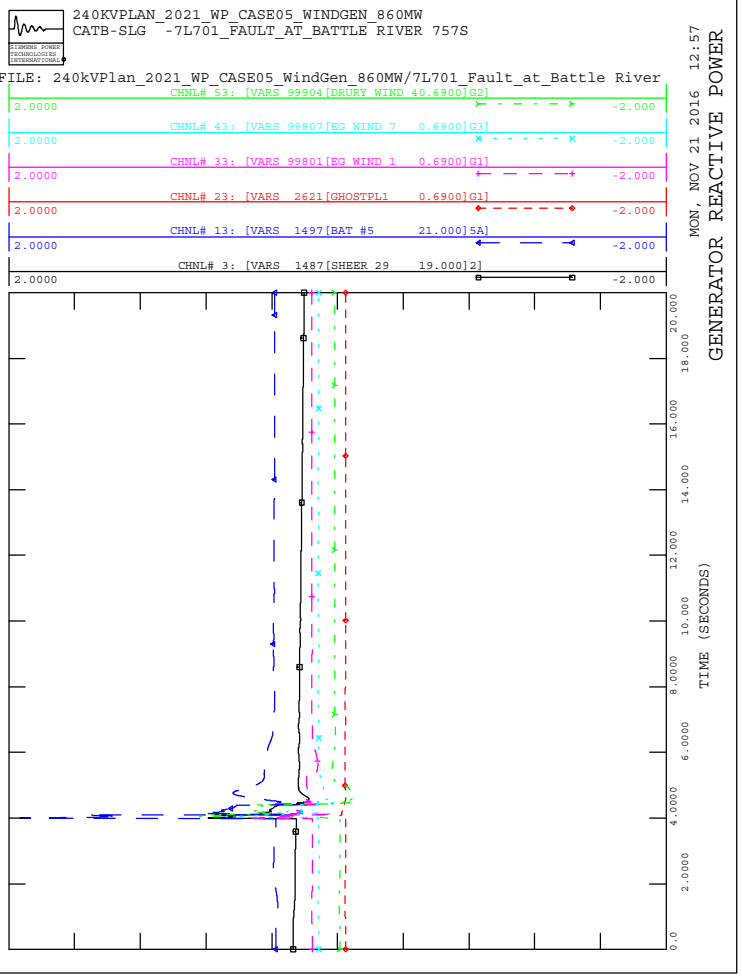
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

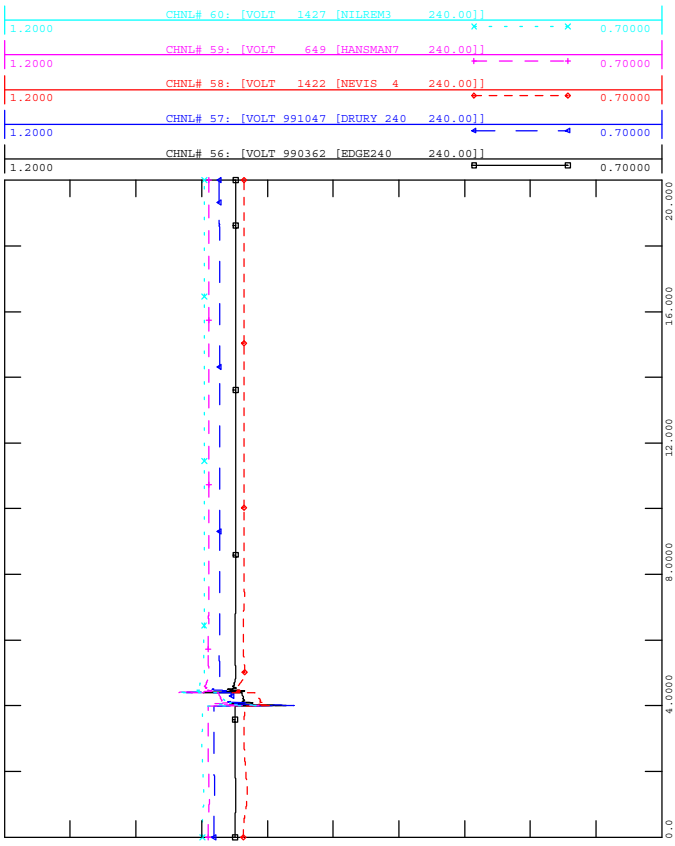

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_BATTLE_RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Battle River
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o

MON, NOV 21 2016 12:57

BUS VOLTAGE

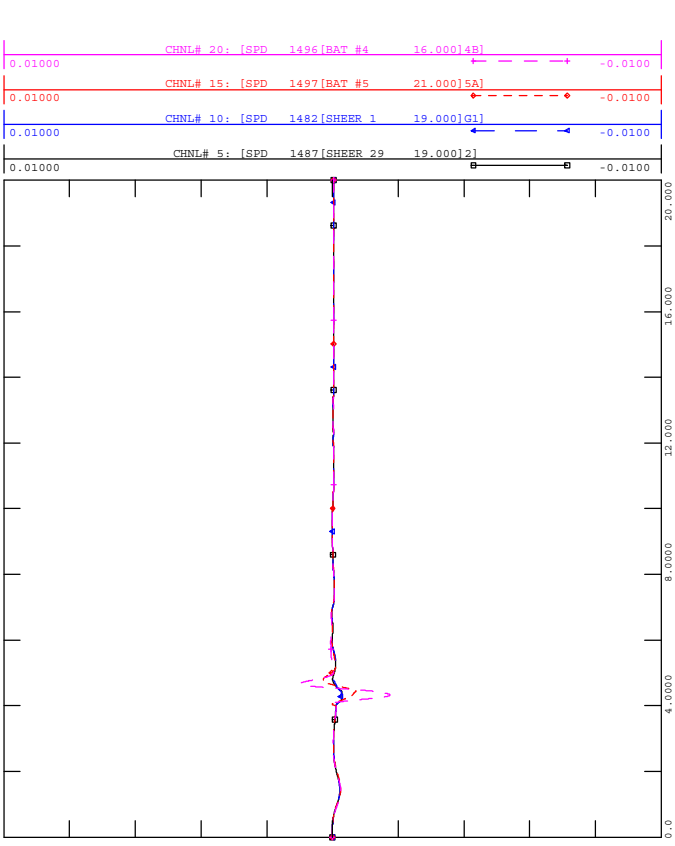


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o

MON, NOV 21 2016 12:57

MACHINE SPEED

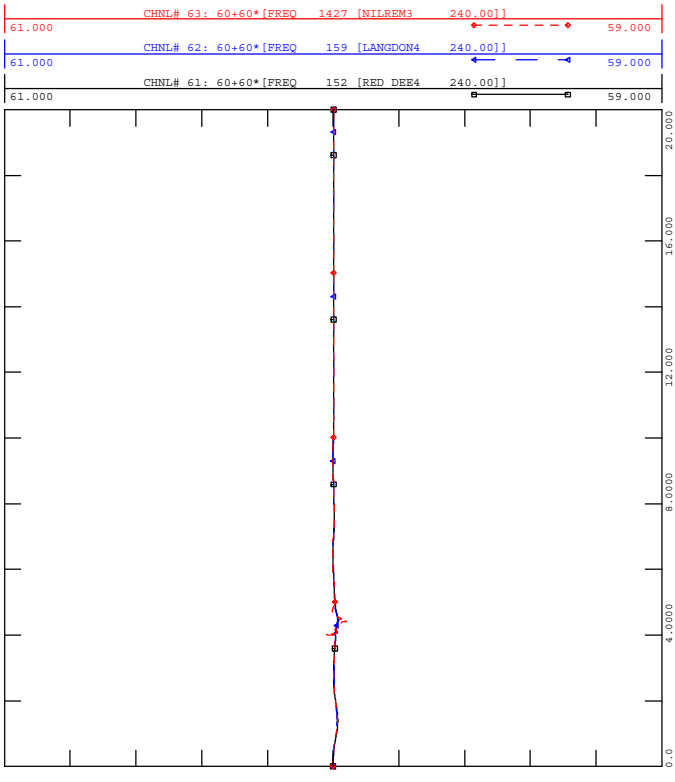


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o

MON, NOV 21 2016 12:57

FREQUENCY

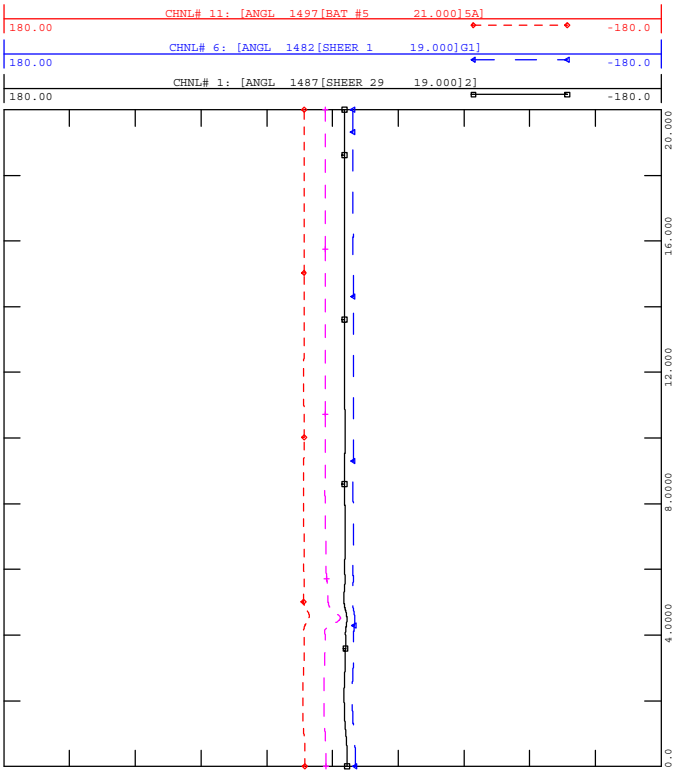


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o

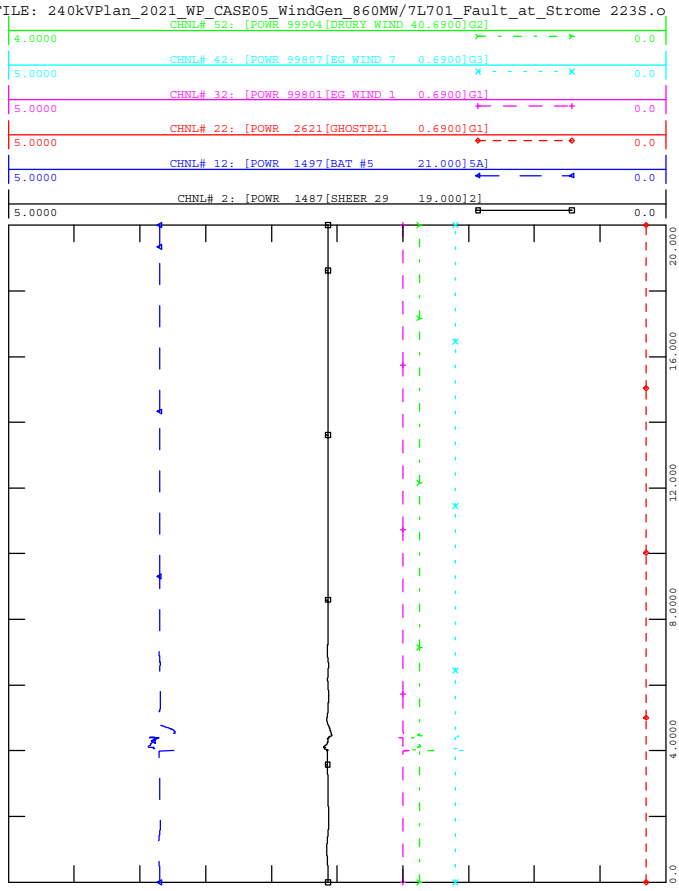
MON, NOV 21 2016 12:57

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

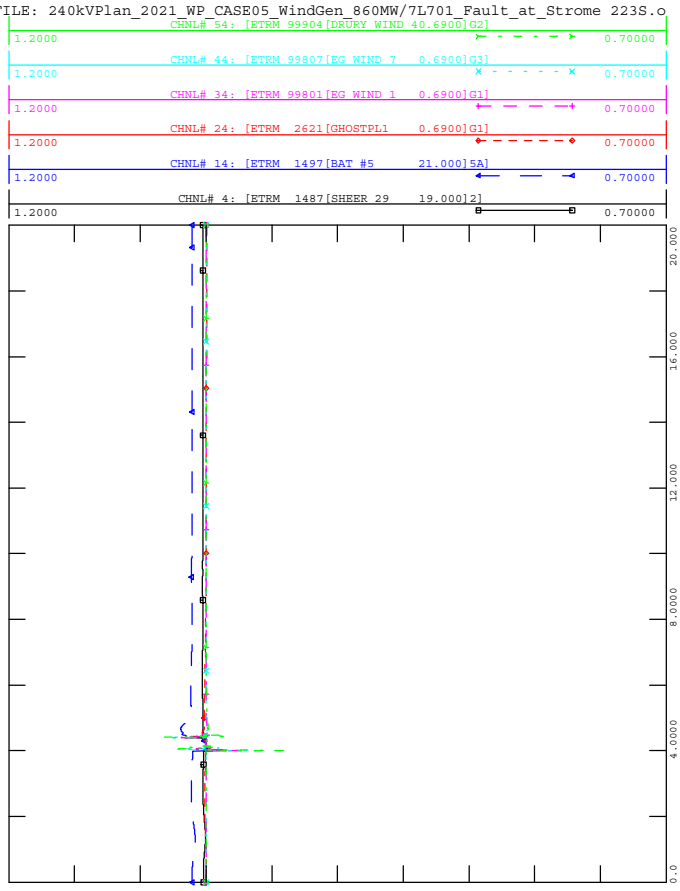
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o



MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

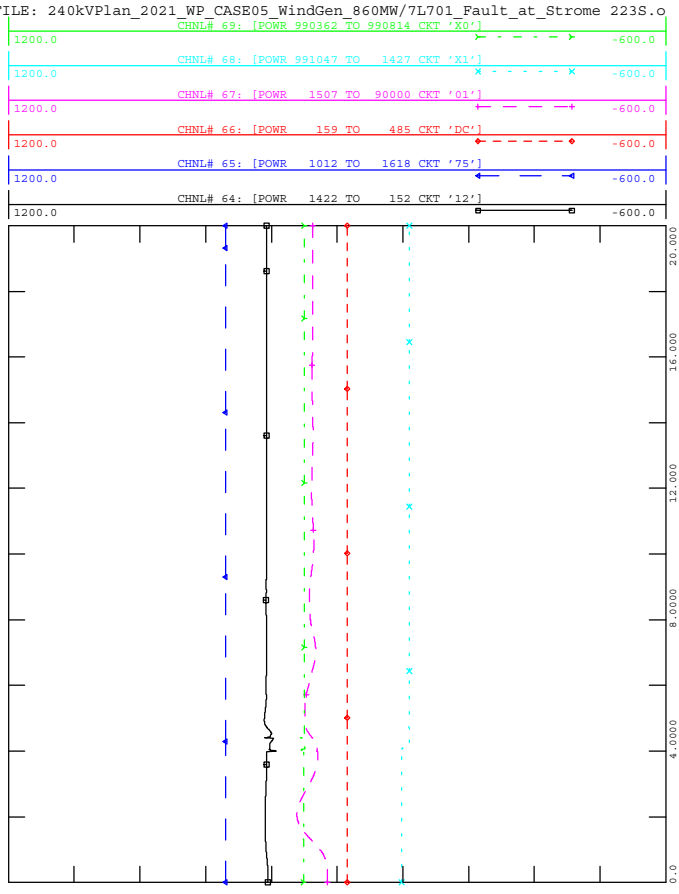
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o



MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

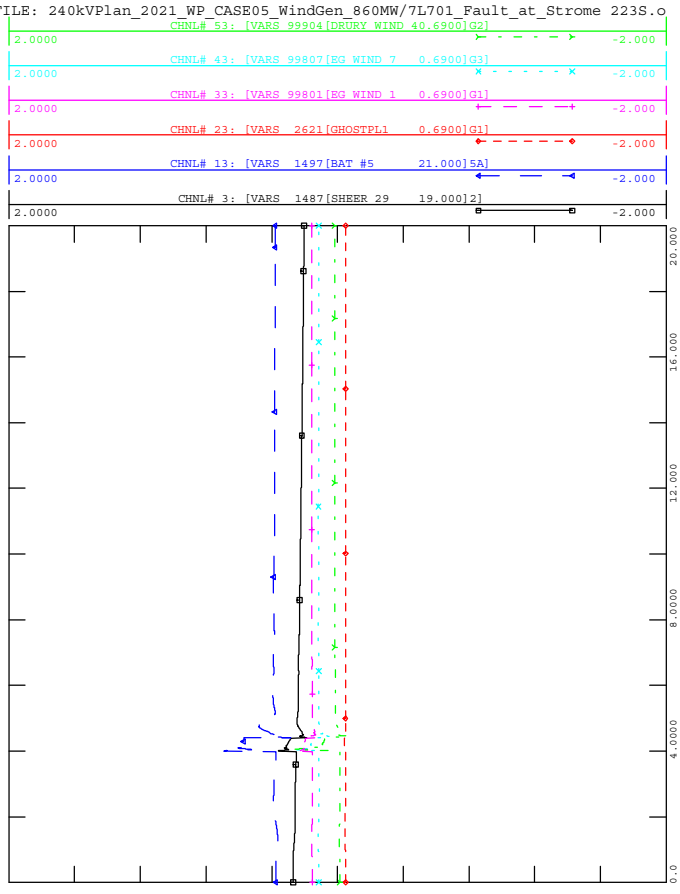
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o



MON, NOV 21 2016 12:57
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L701_FAULT_AT_STROME 223S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L701_Fault_at_Strome 223S.o



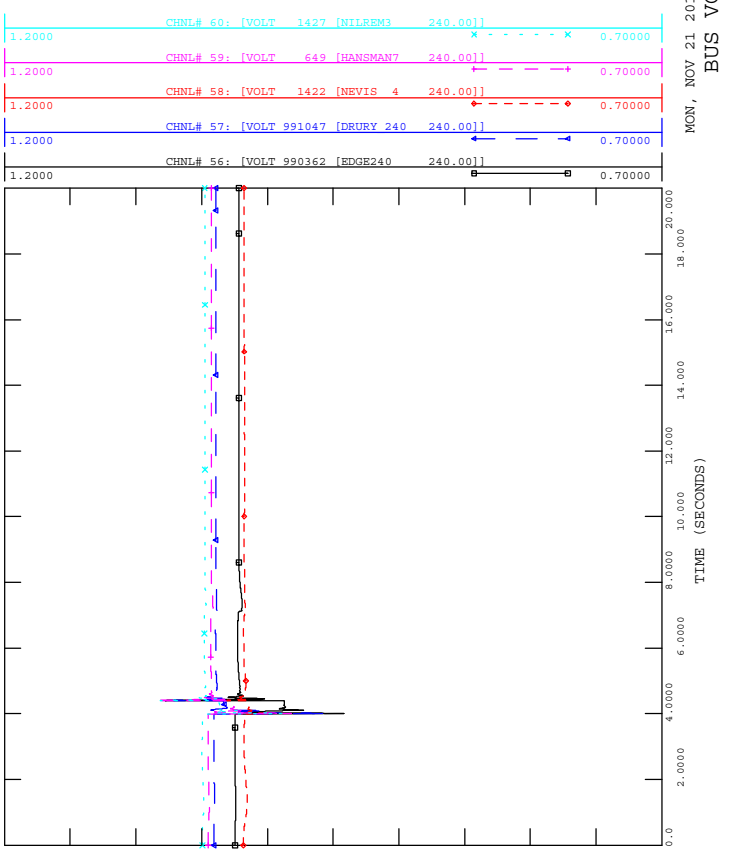
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 12:57

BUS VOLTAGE

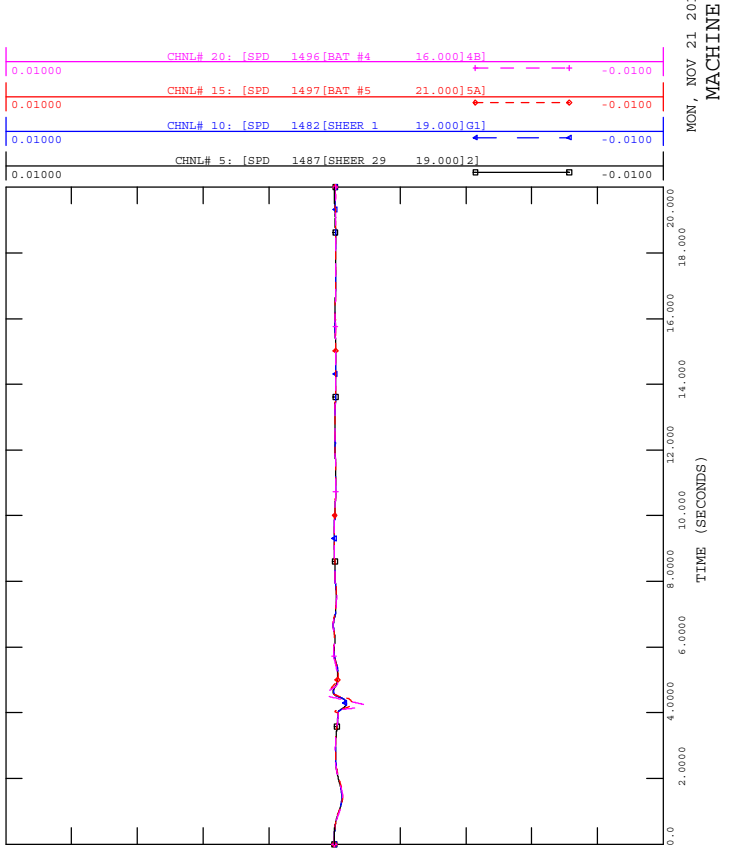


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 12:57

MACHINE SPEED

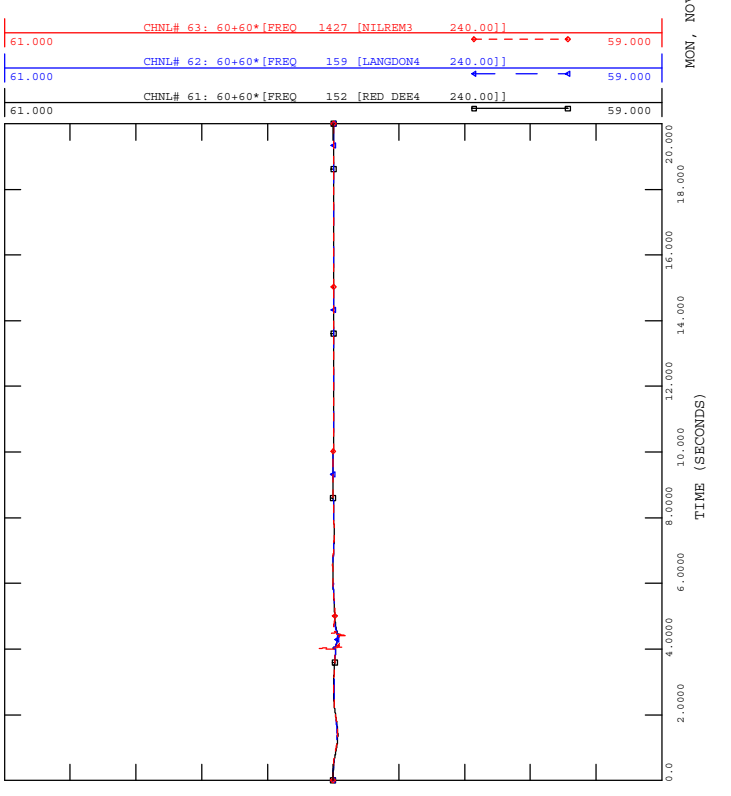


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 12:57

FREQUENCY

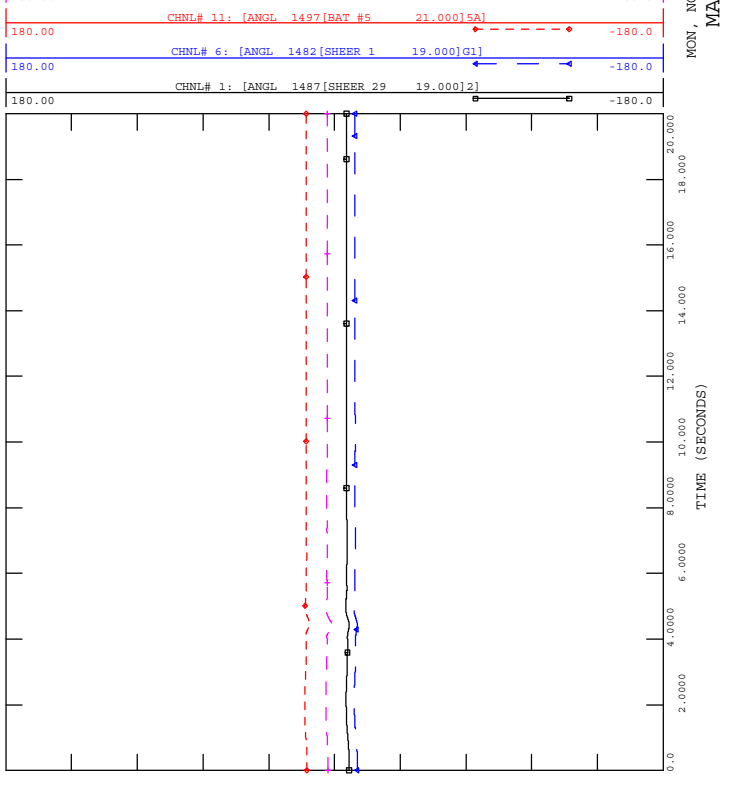


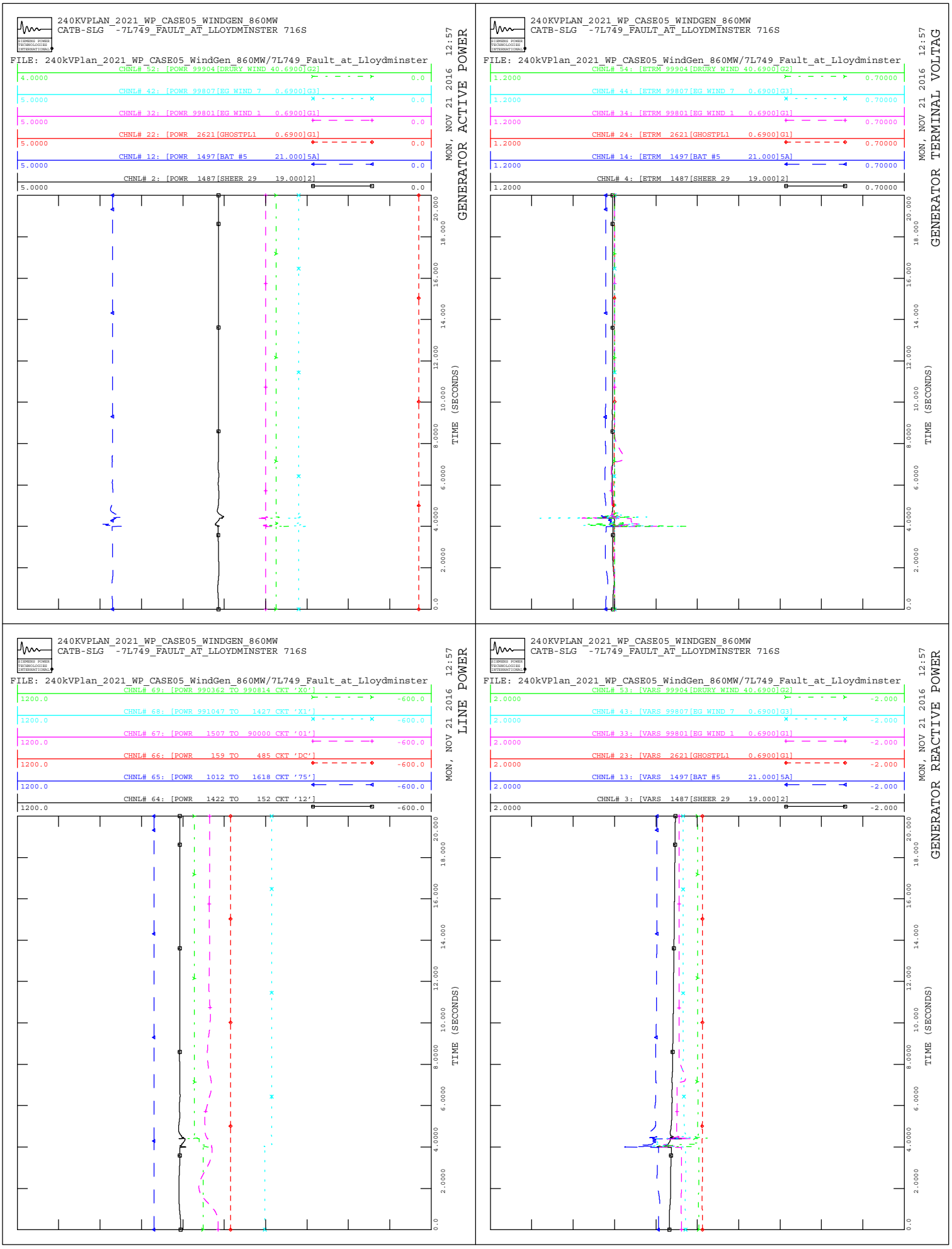
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster

MON, NOV 21 2016 12:57

MACHINE ANGEL



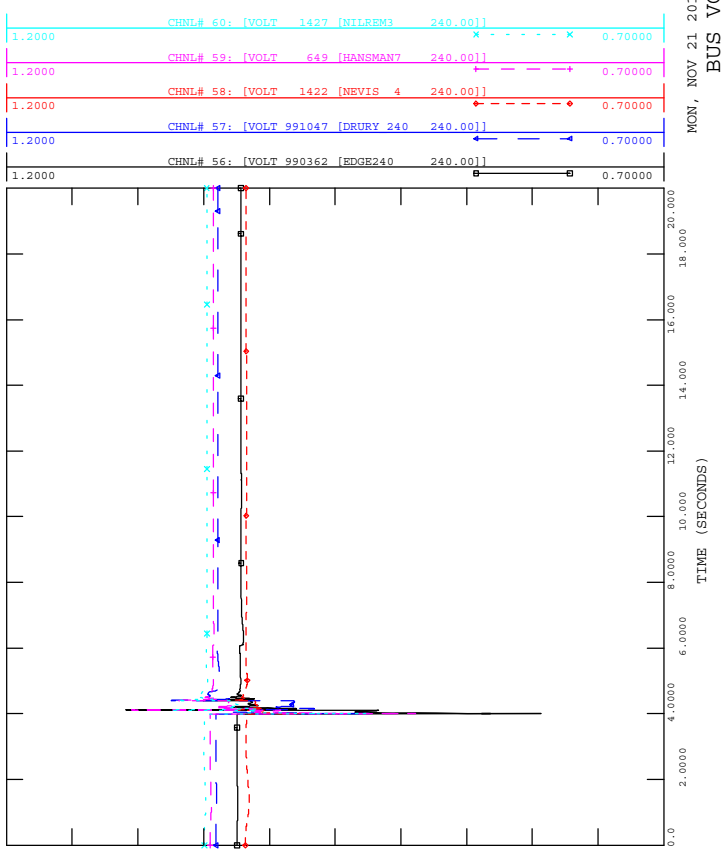

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_LLOYDMINSTER 716S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Lloydminster
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 12:57

BUS VOLTAGE

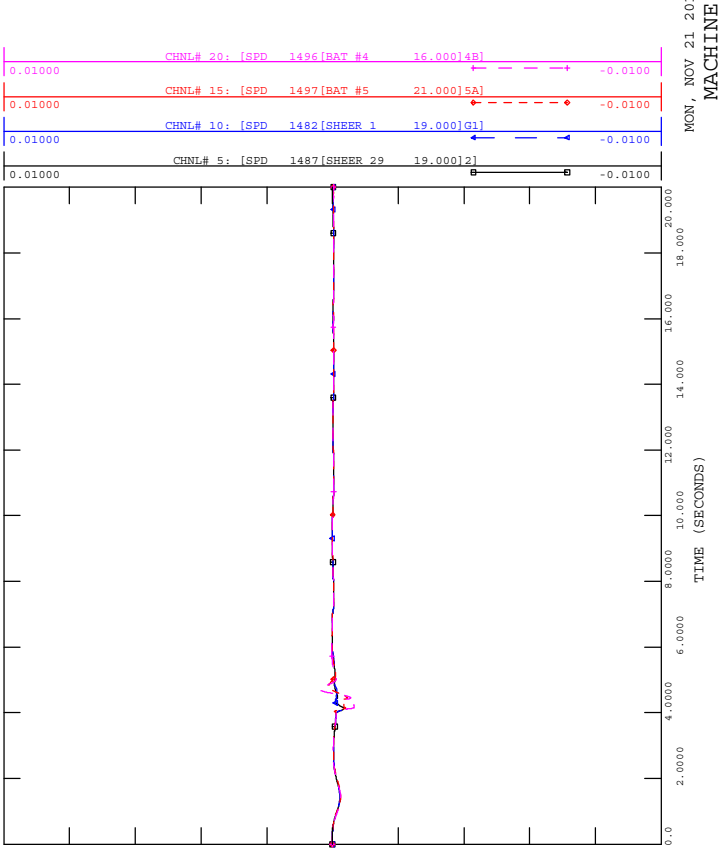


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 12:57

MACHINE SPEED

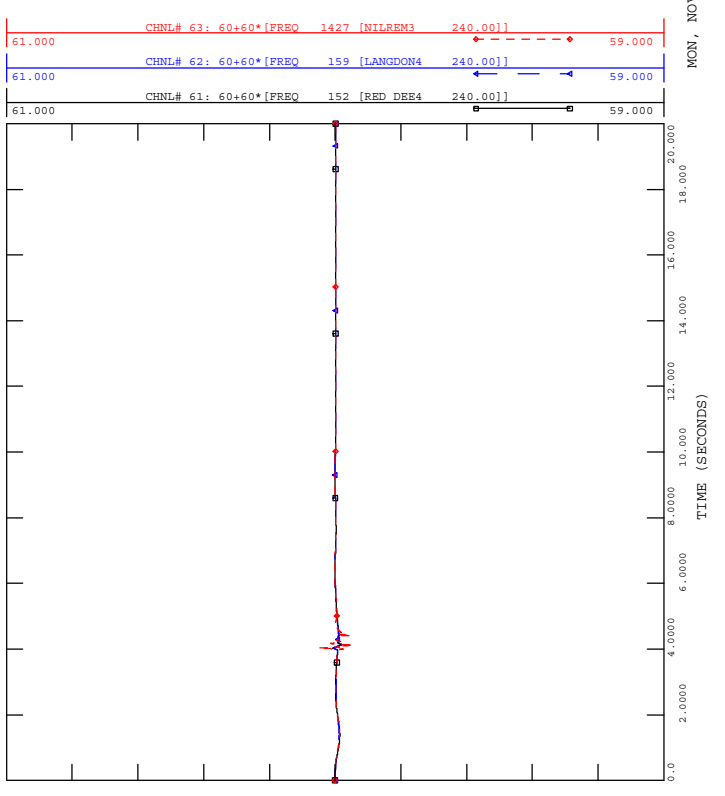


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S

MON, NOV 21 2016 12:57

FREQUENCY

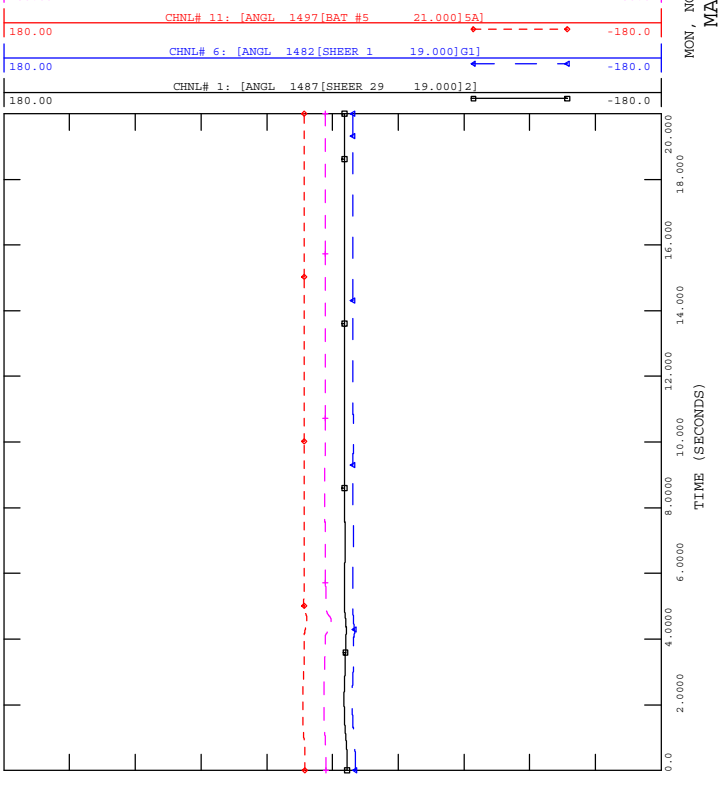


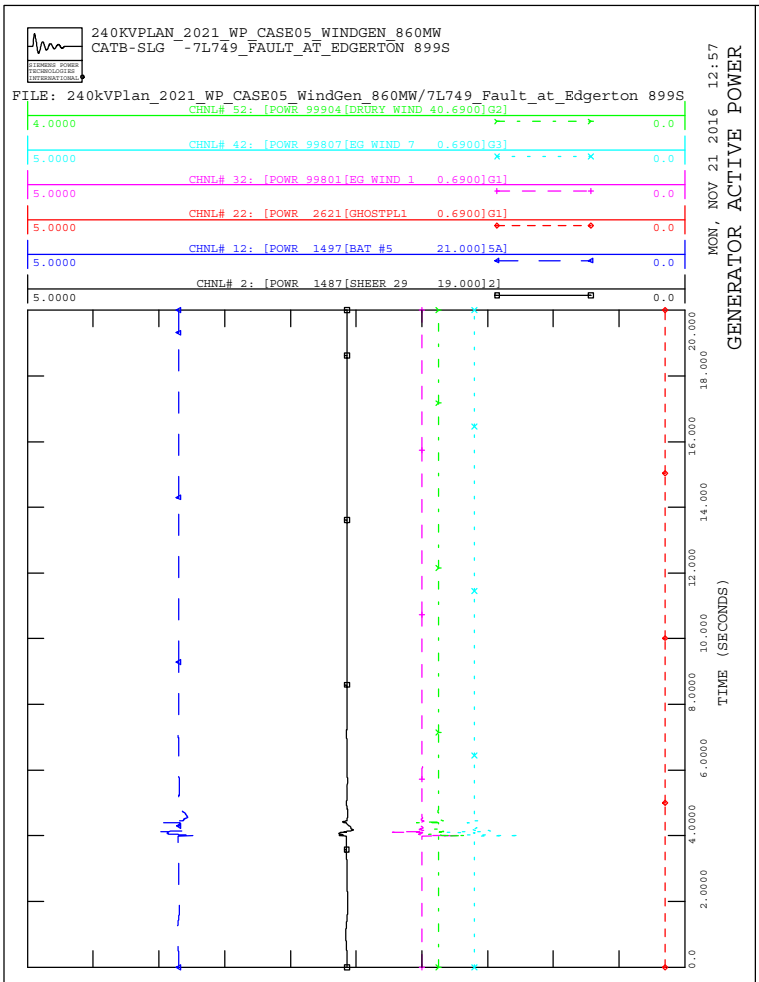
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S

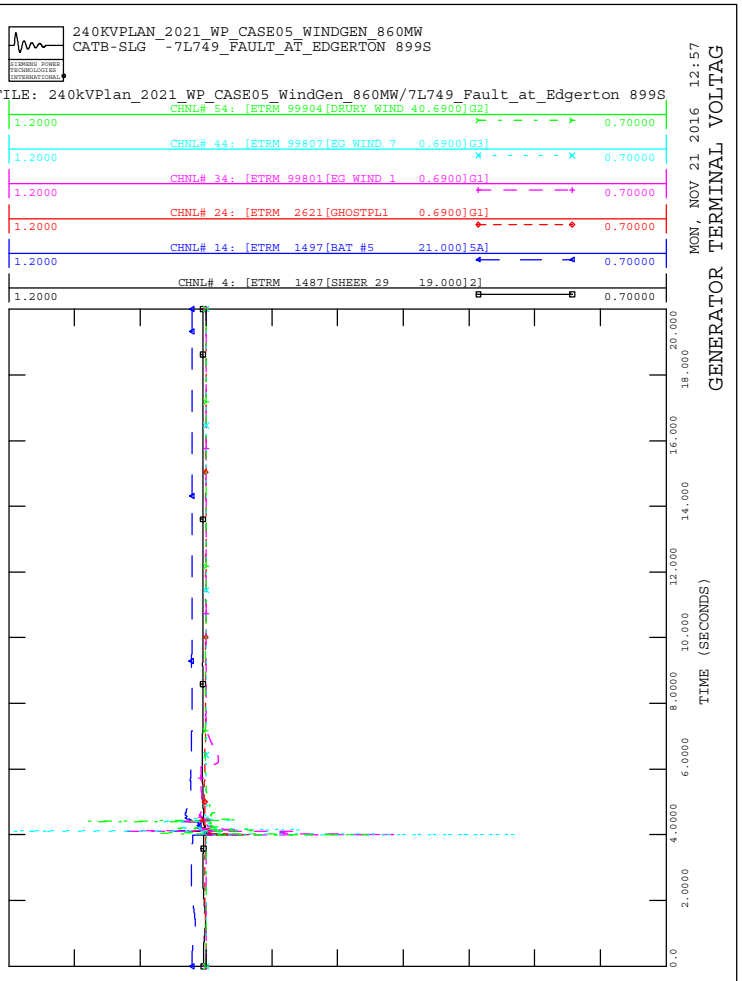
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S

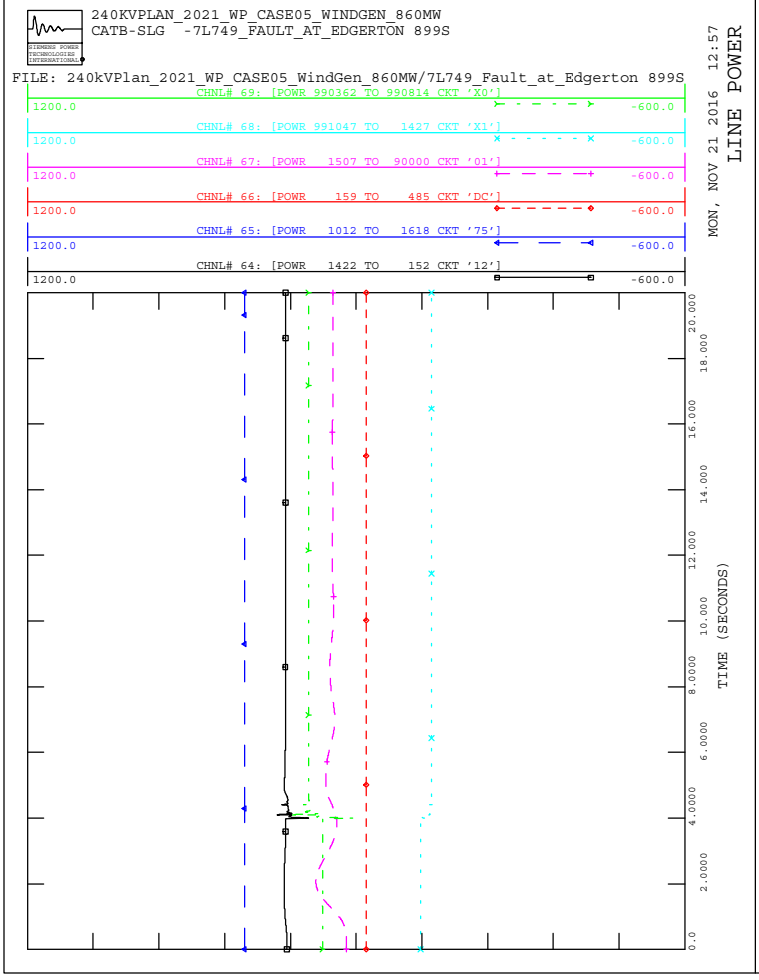
MON, NOV 21 2016 12:57

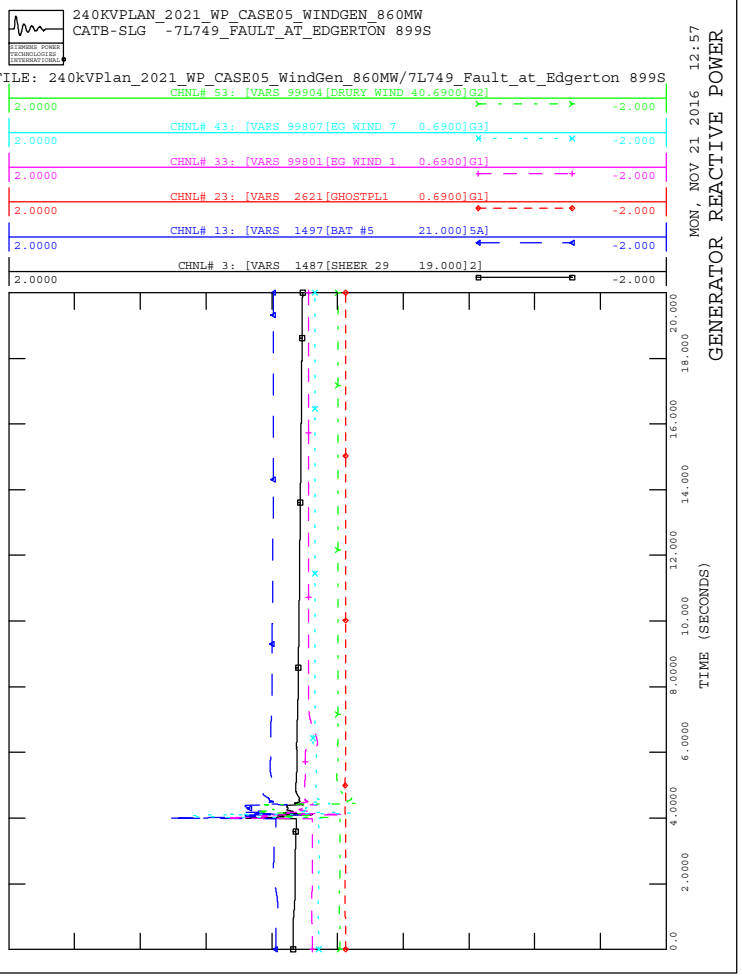
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

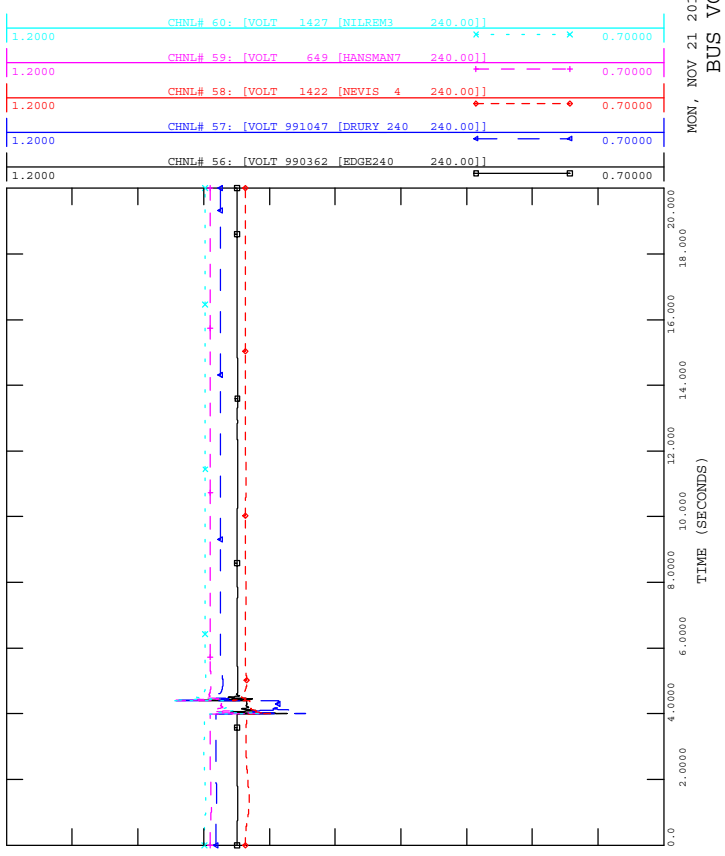

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L749_FAULT_AT_EDGERTON 899S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_Fault_at_Edgerton 899S
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3

MON, NOV 21 2016 12:57

BUS VOLTAGE

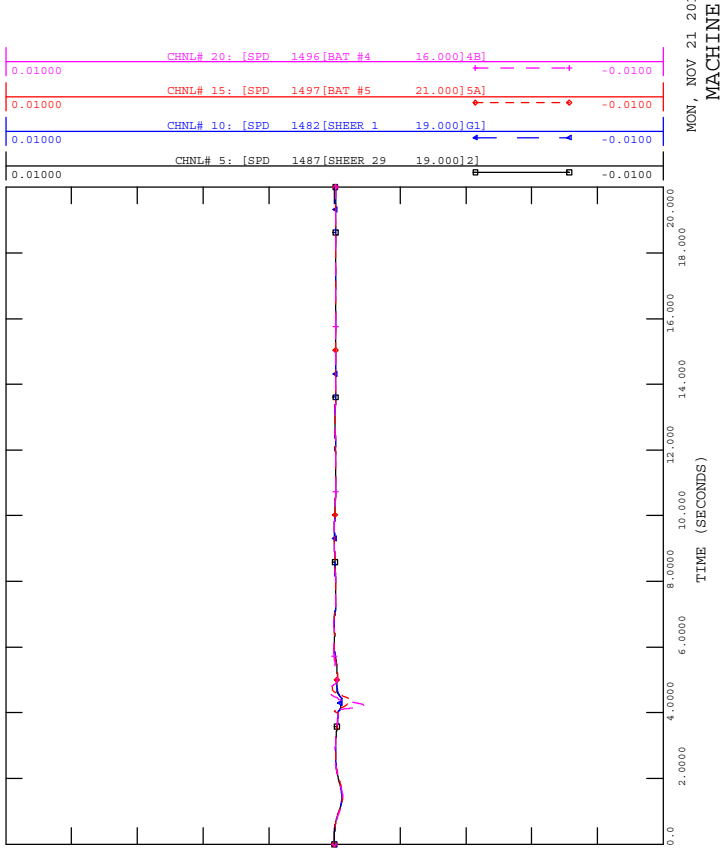


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3

MON, NOV 21 2016 12:57

MACHINE SPEED

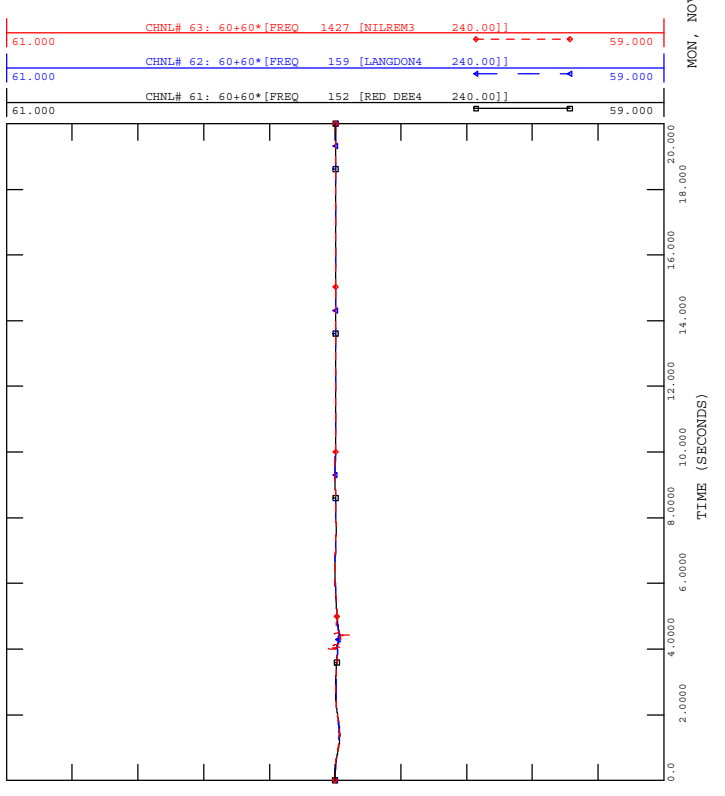


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3

MON, NOV 21 2016 12:57

FREQUENCY

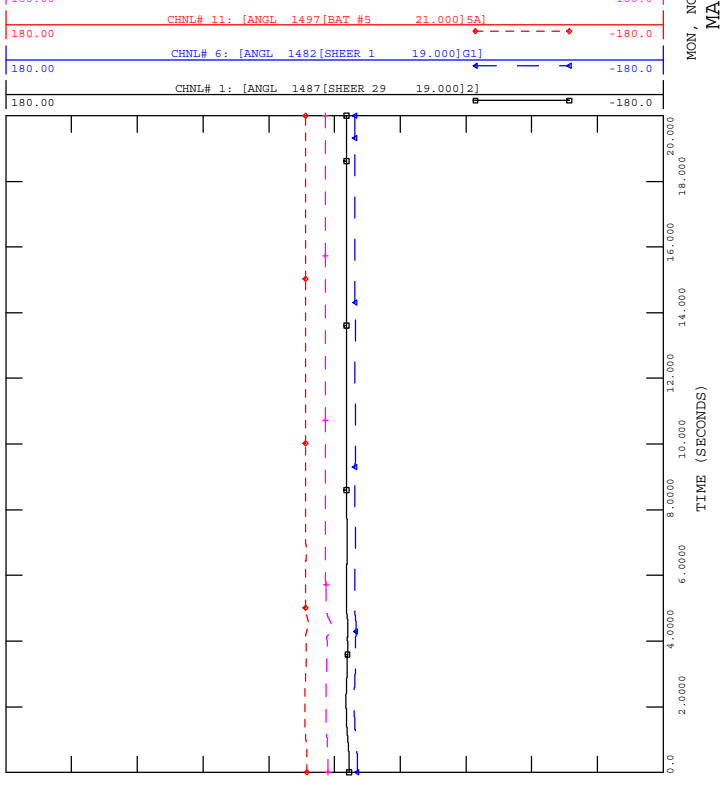


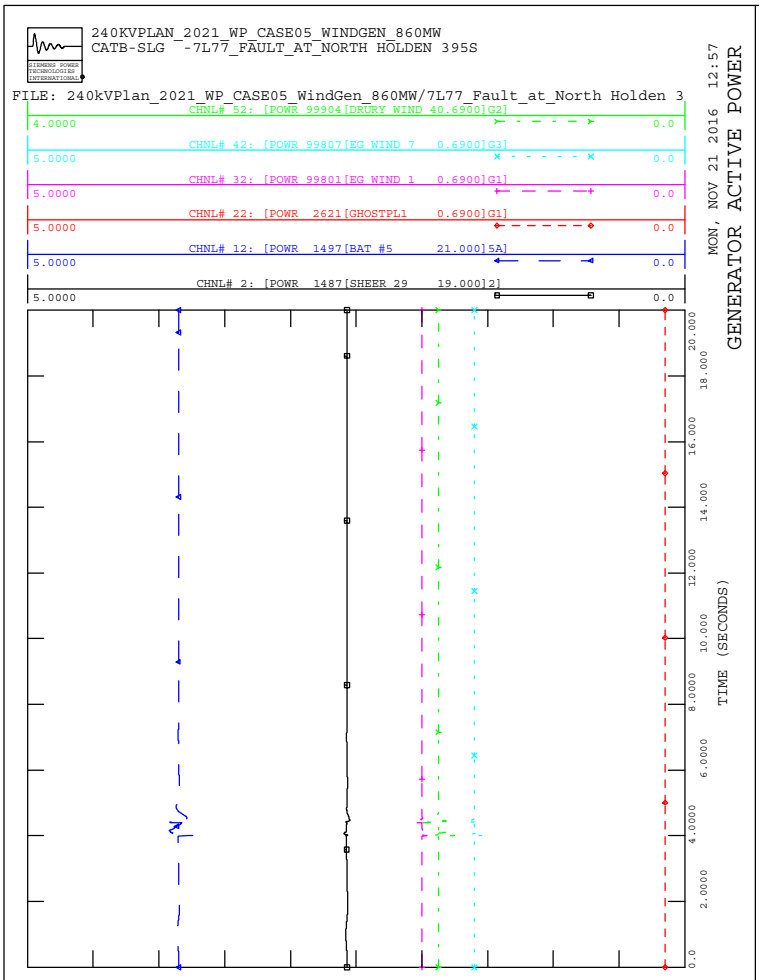
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S

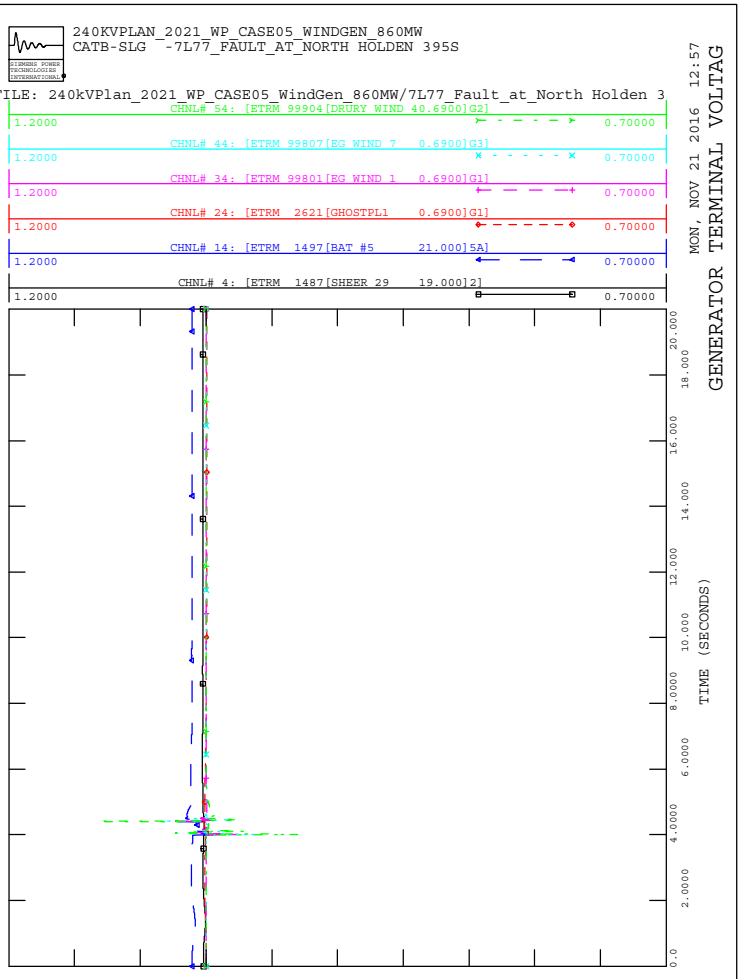
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3

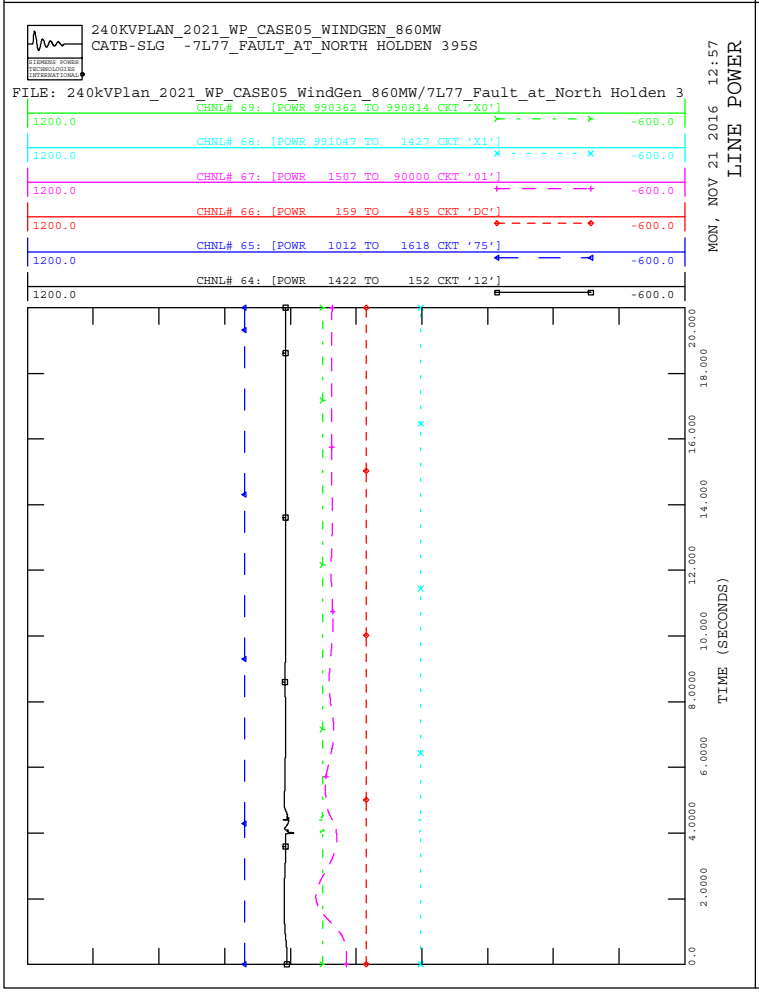
MON, NOV 21 2016 12:57

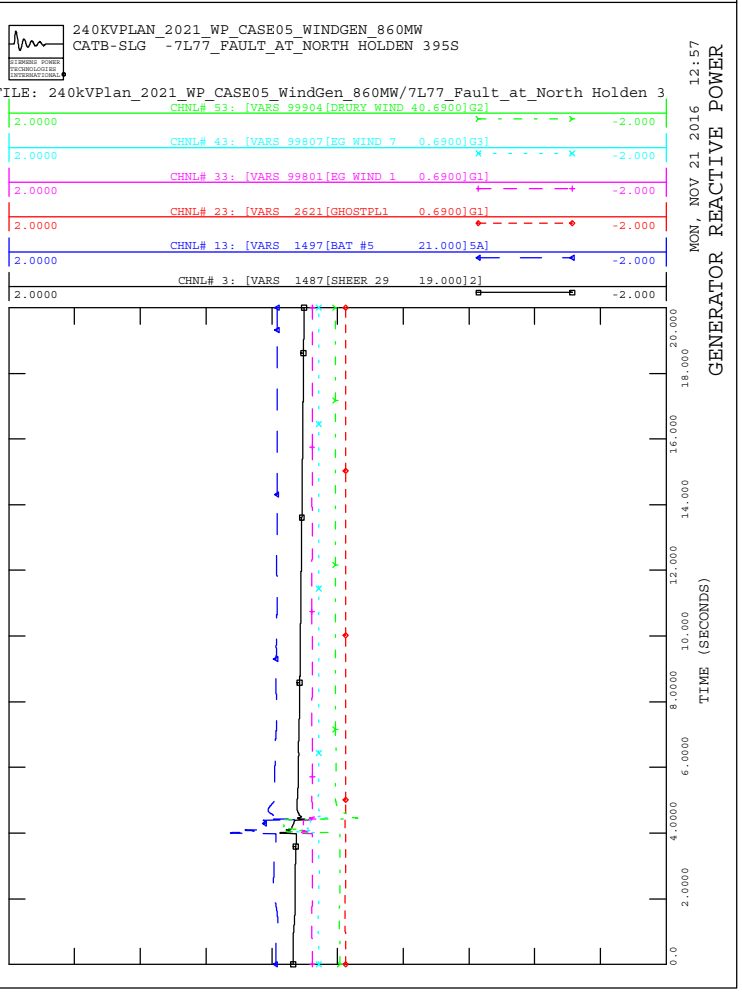
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:57
LINE POWER

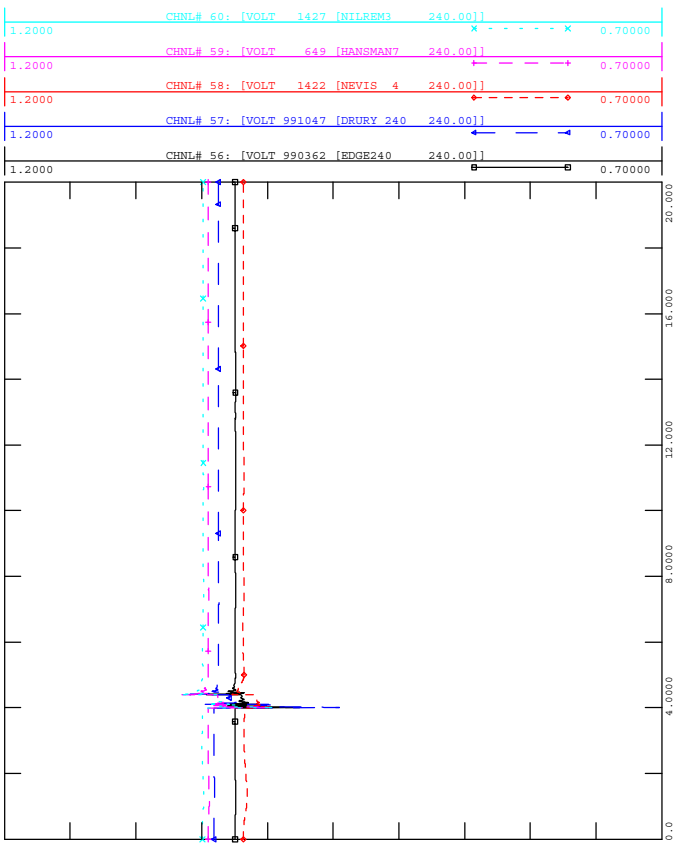

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_NORTH HOLDEN 395S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_North Holden 3
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 12:57

BUS VOLTAGE

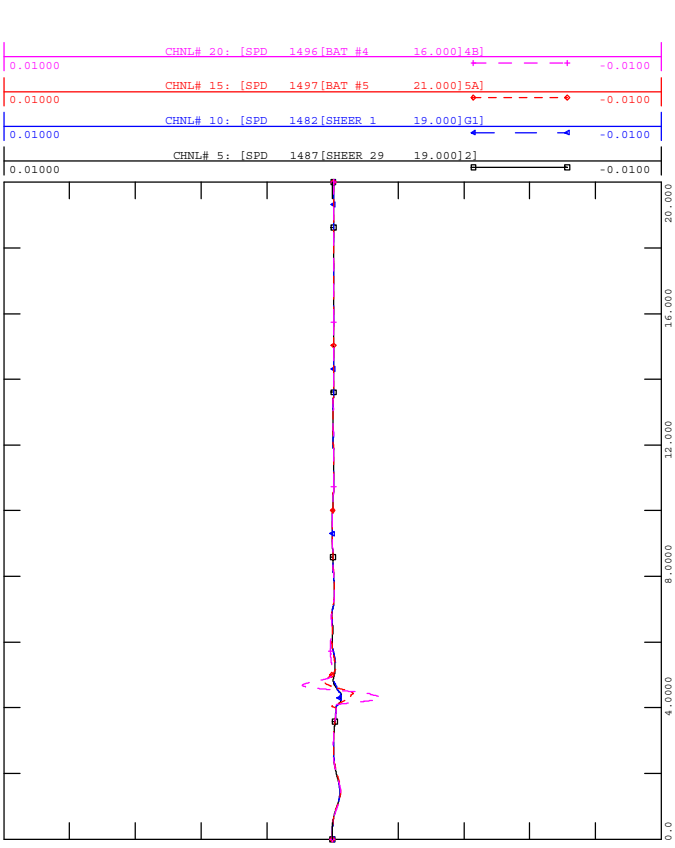


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 12:57

MACHINE SPEED

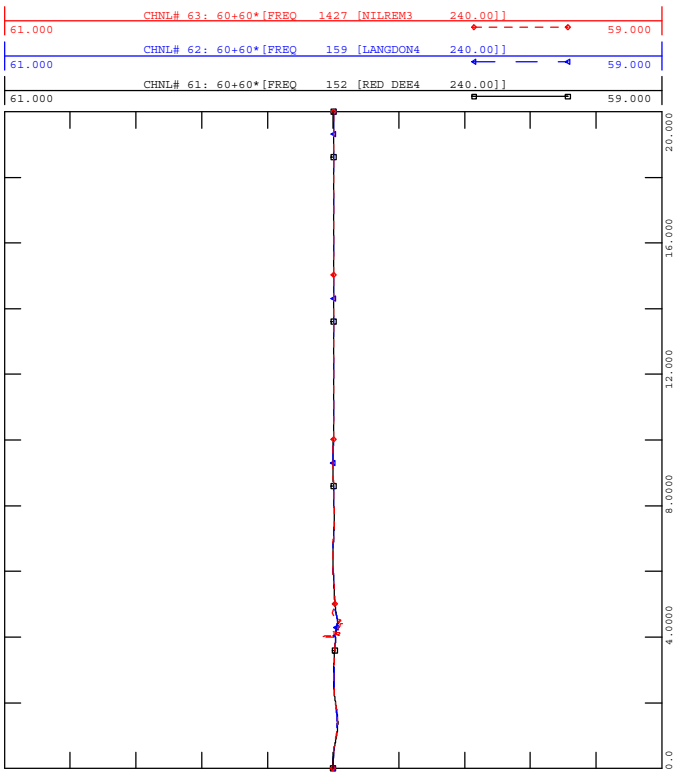


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709

MON, NOV 21 2016 12:57

FREQUENCY

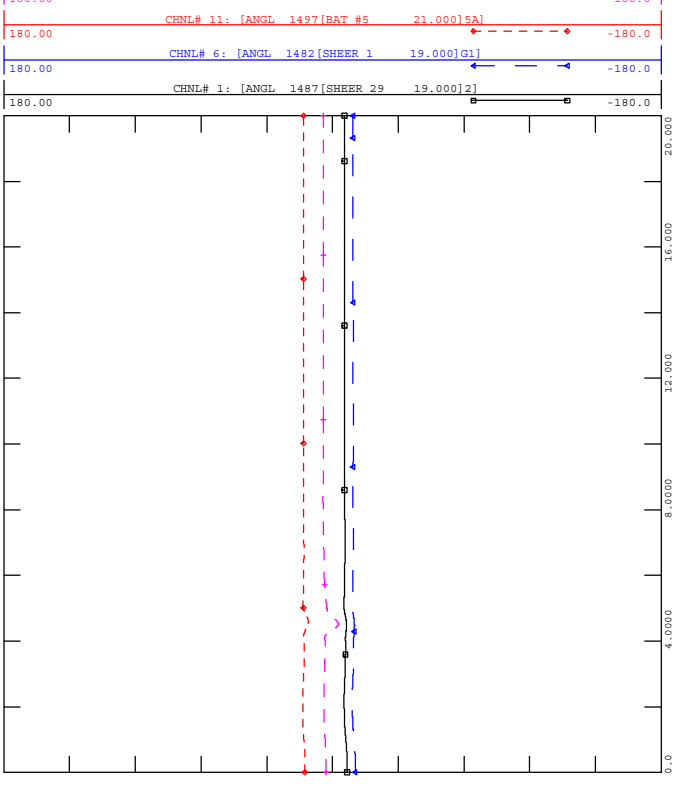


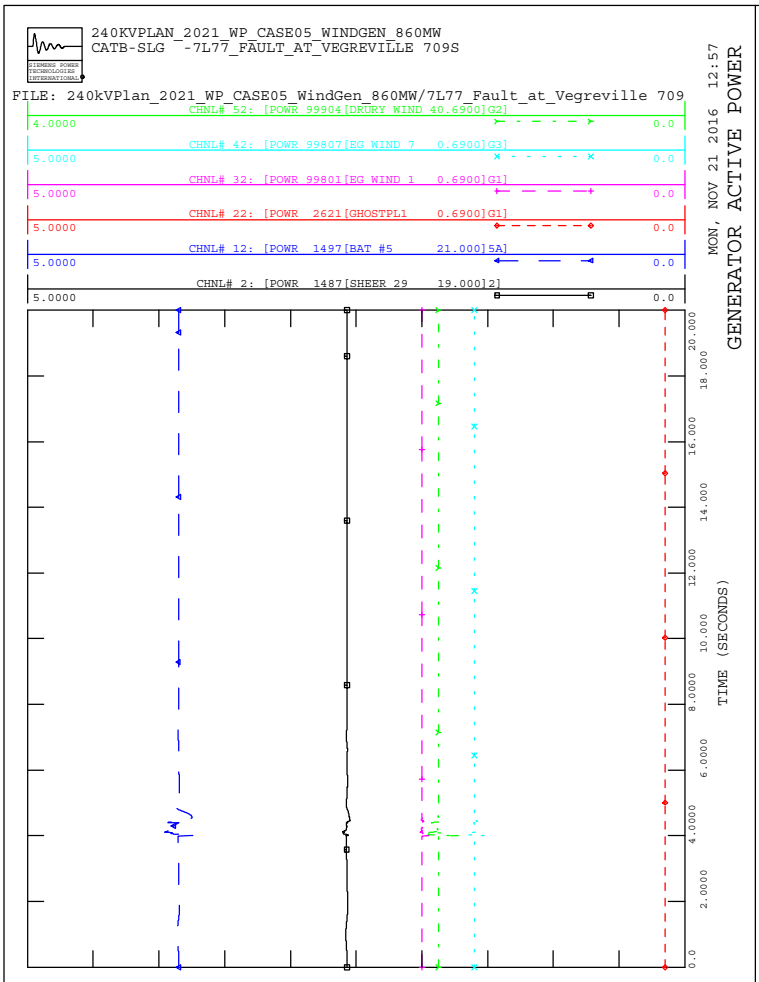
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S

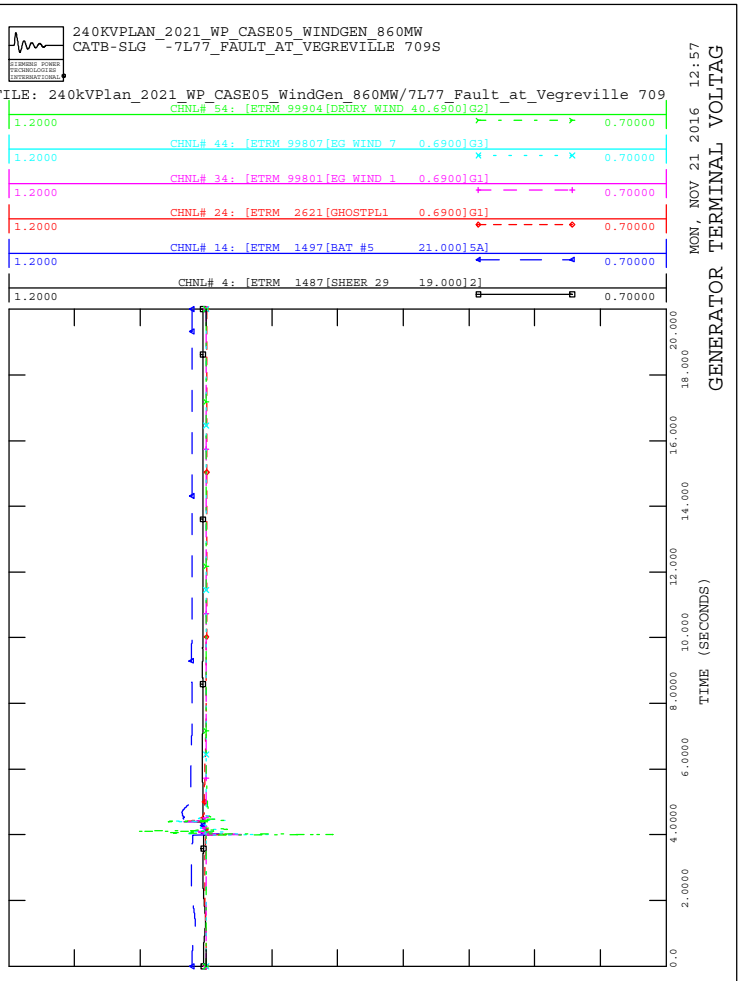
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709

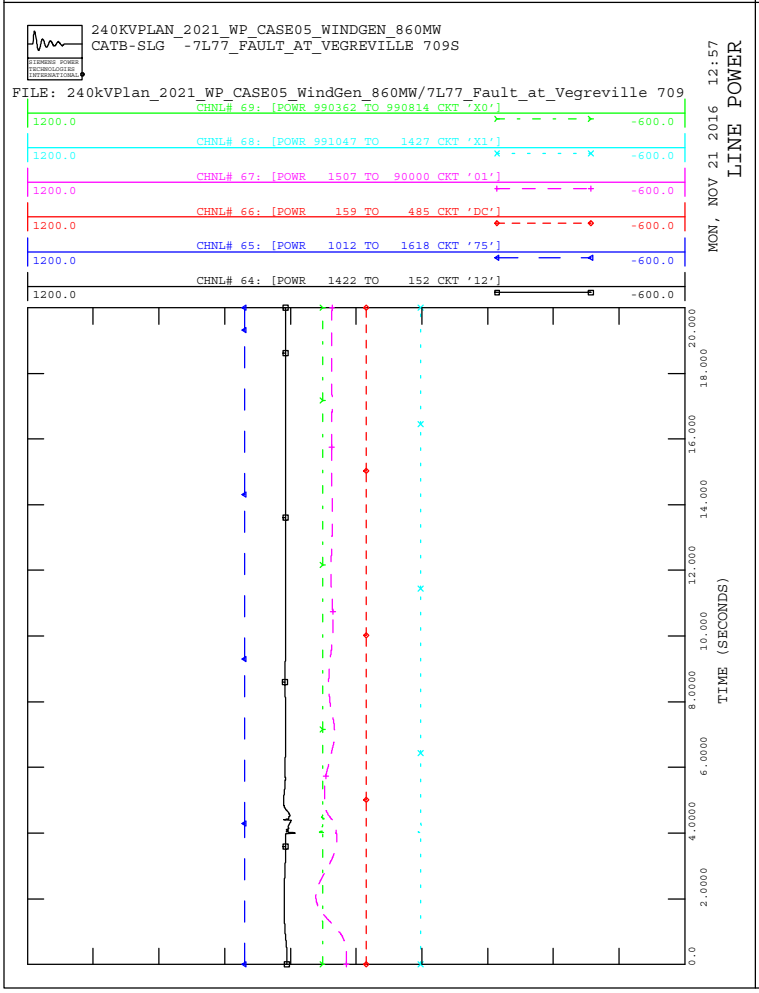
MON, NOV 21 2016 12:57

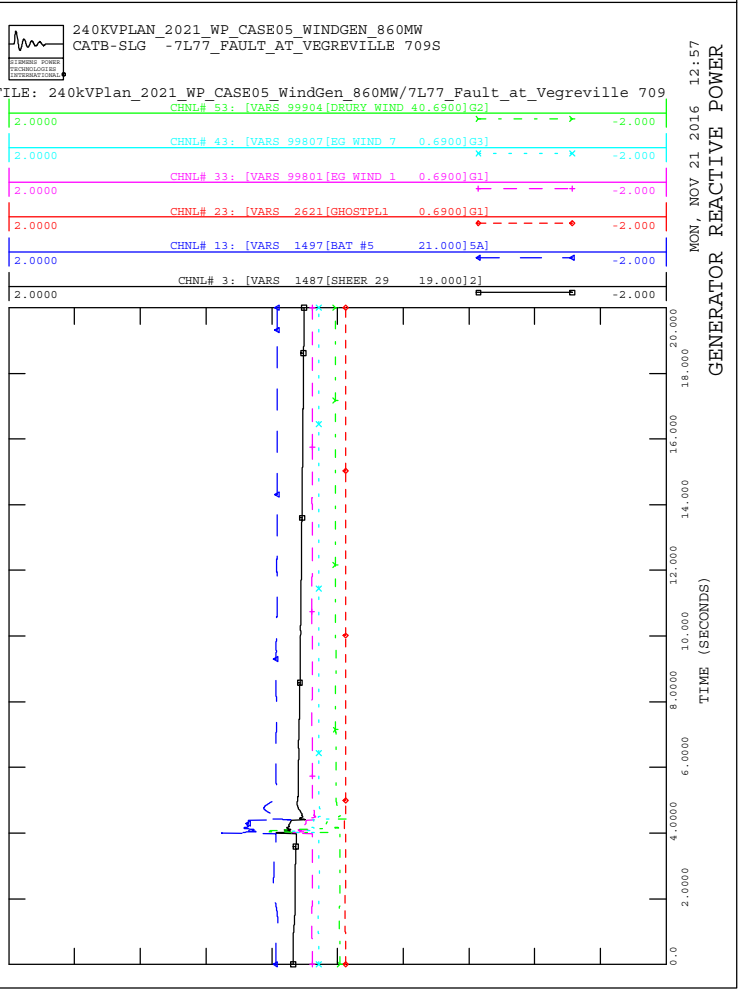
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
MON, NOV 21 2016 12:57
LINE POWER

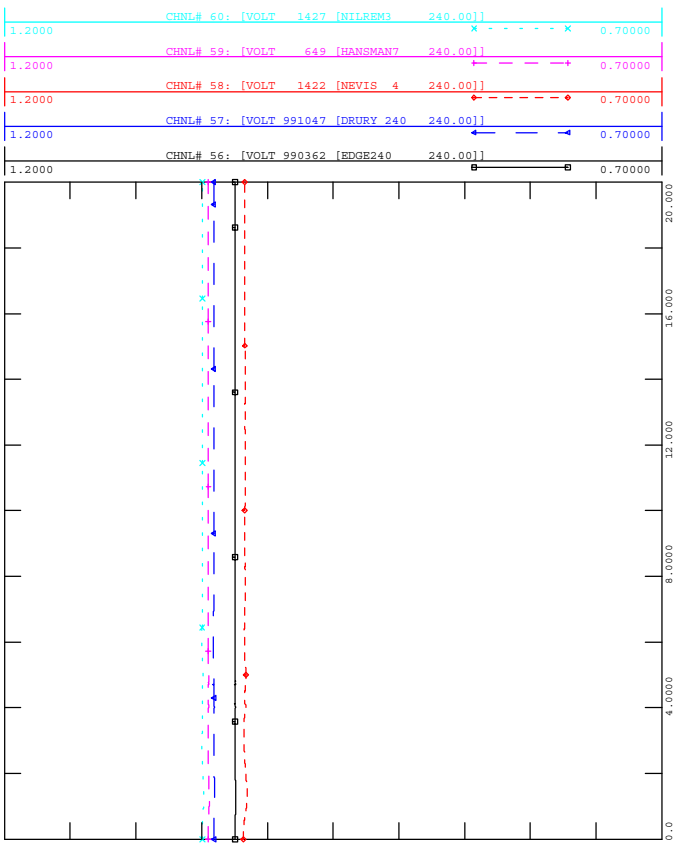

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L77_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

MON, NOV 21 2016 12:57

BUS VOLTAGE

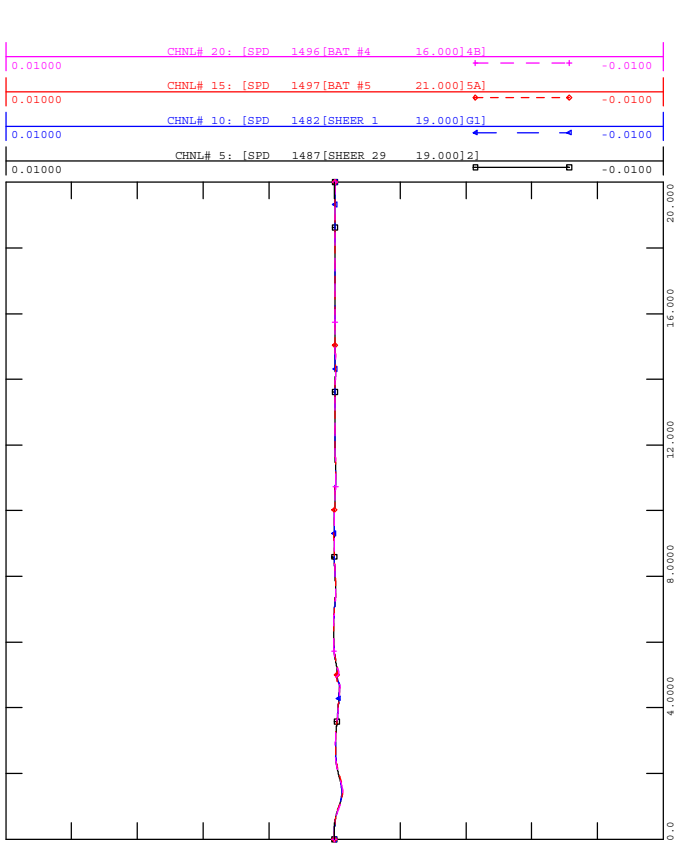


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

MON, NOV 21 2016 12:57

MACHINE SPEED

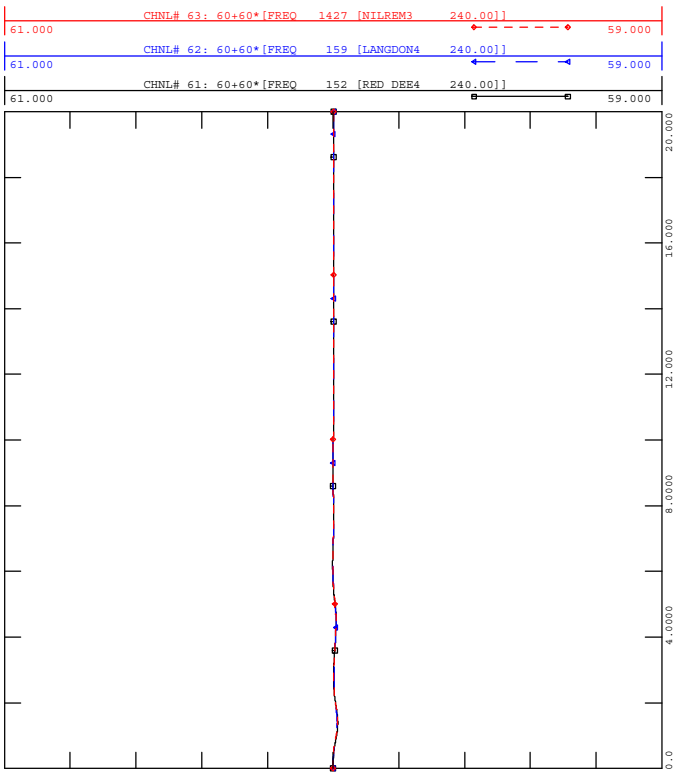


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

MON, NOV 21 2016 12:57

FREQUENCY

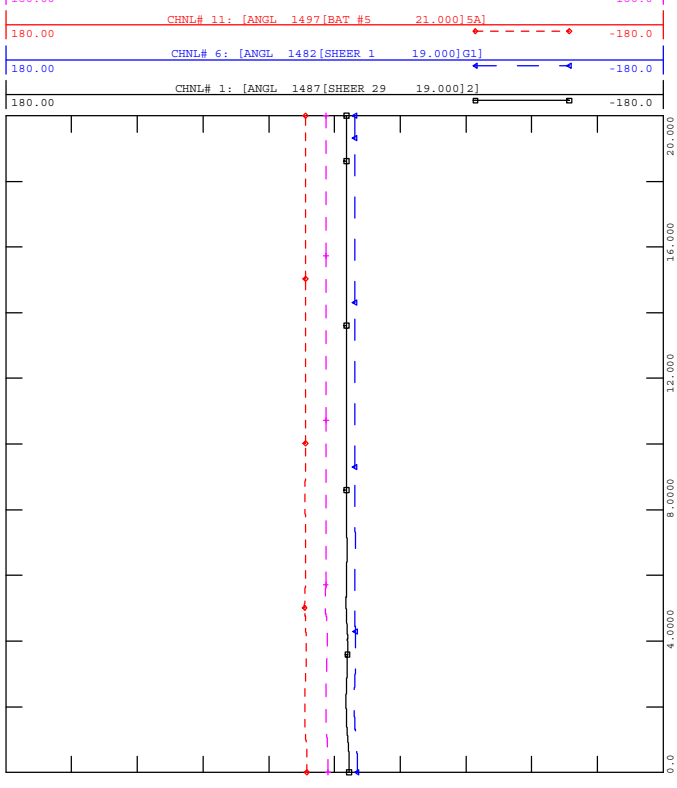


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81

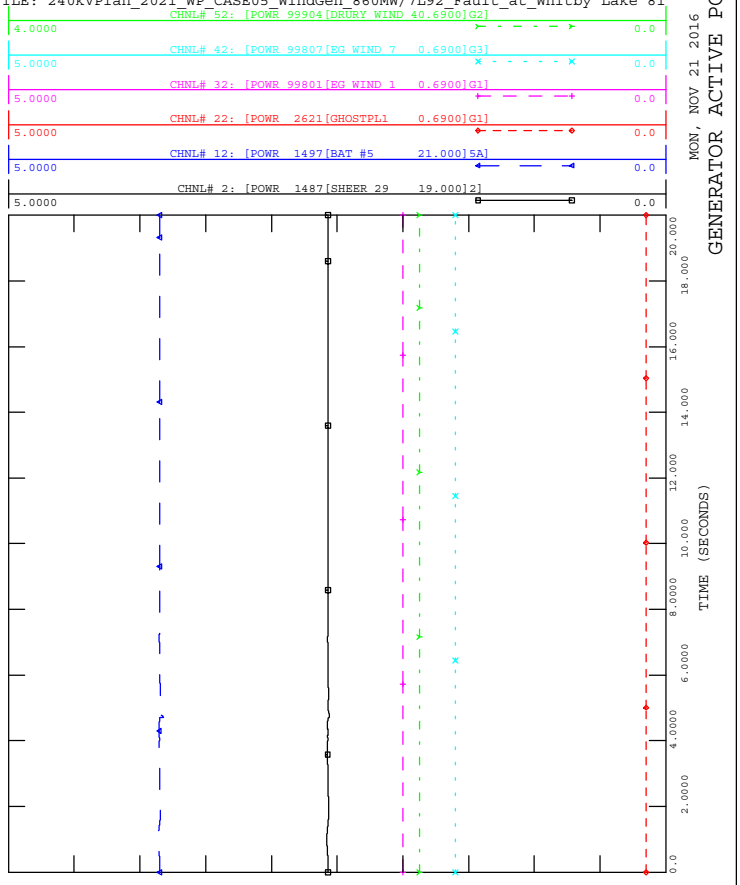
MON, NOV 21 2016 12:57

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

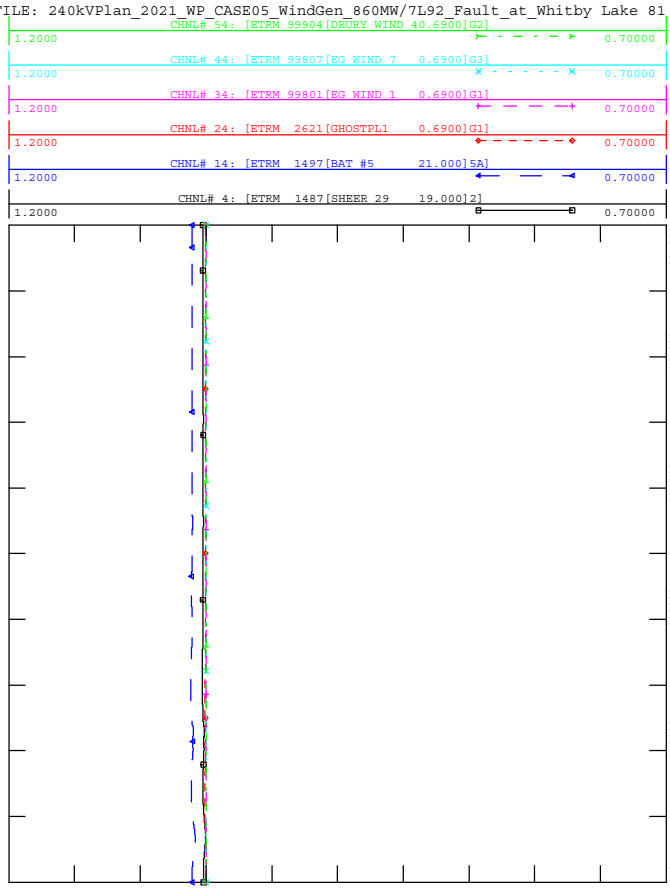
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81



MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

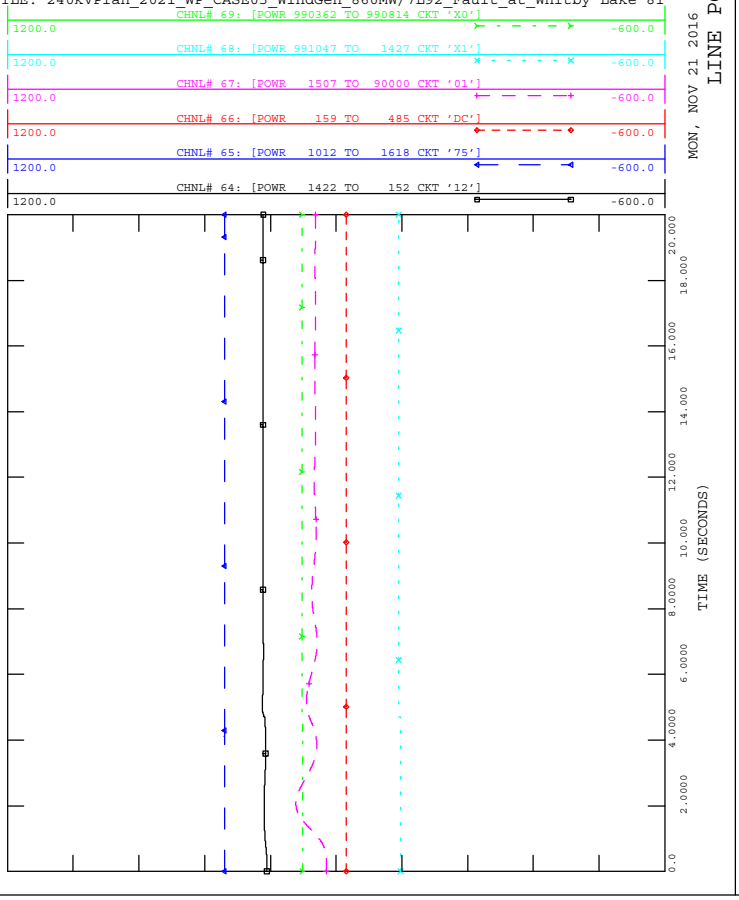
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81



MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

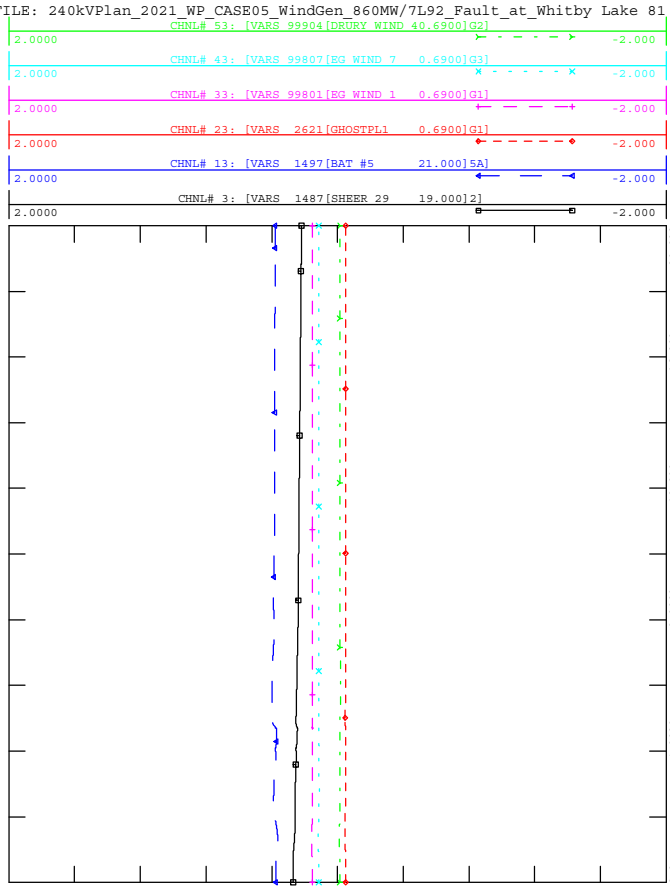
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81



MON, NOV 21 2016 12:57
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_WHITBY LAKE 819S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Whitby Lake 81



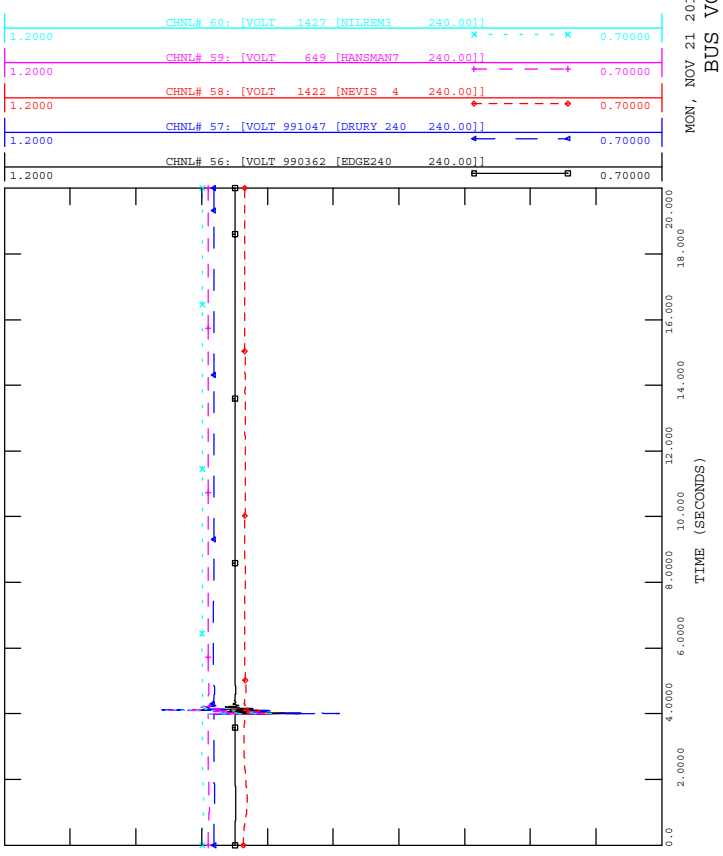
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 12:57

BUS VOLTAGE

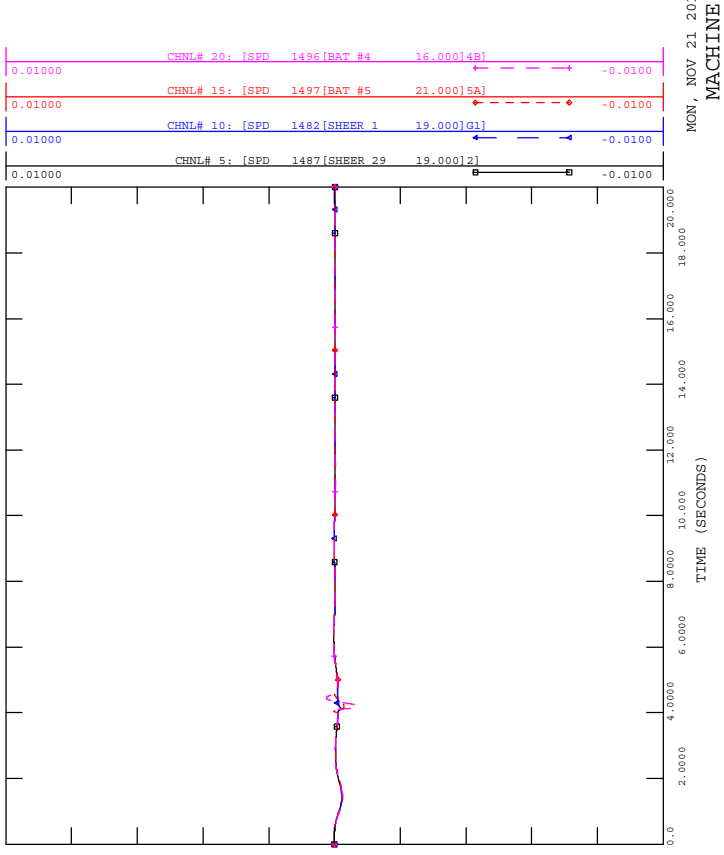


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 12:57

MACHINE SPEED

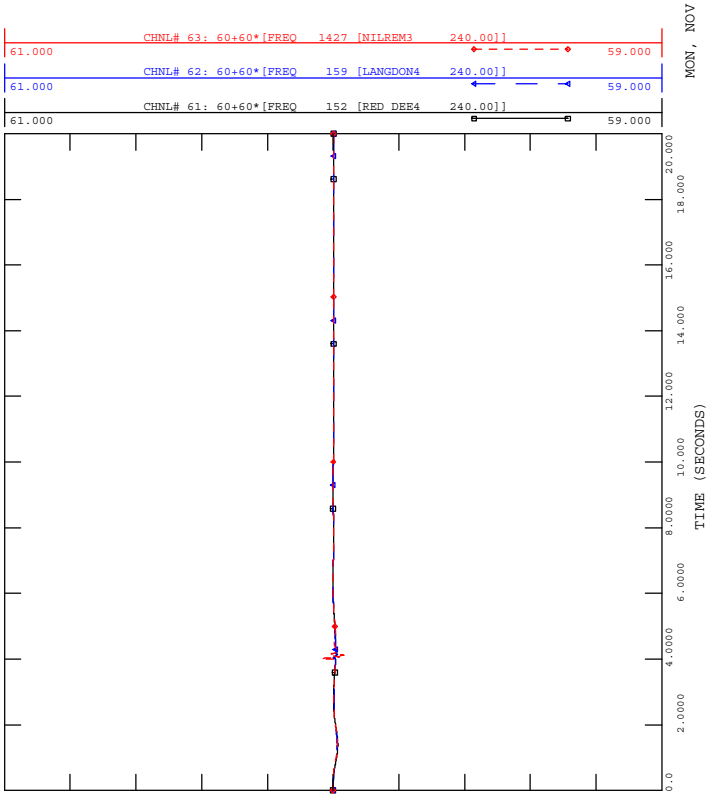


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709

MON, NOV 21 2016 12:57

FREQUENCY

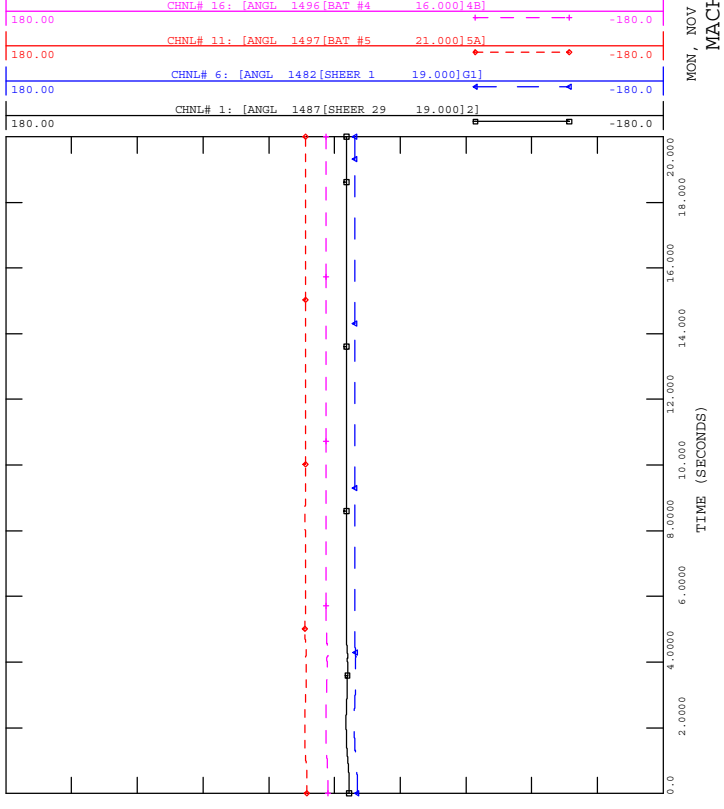


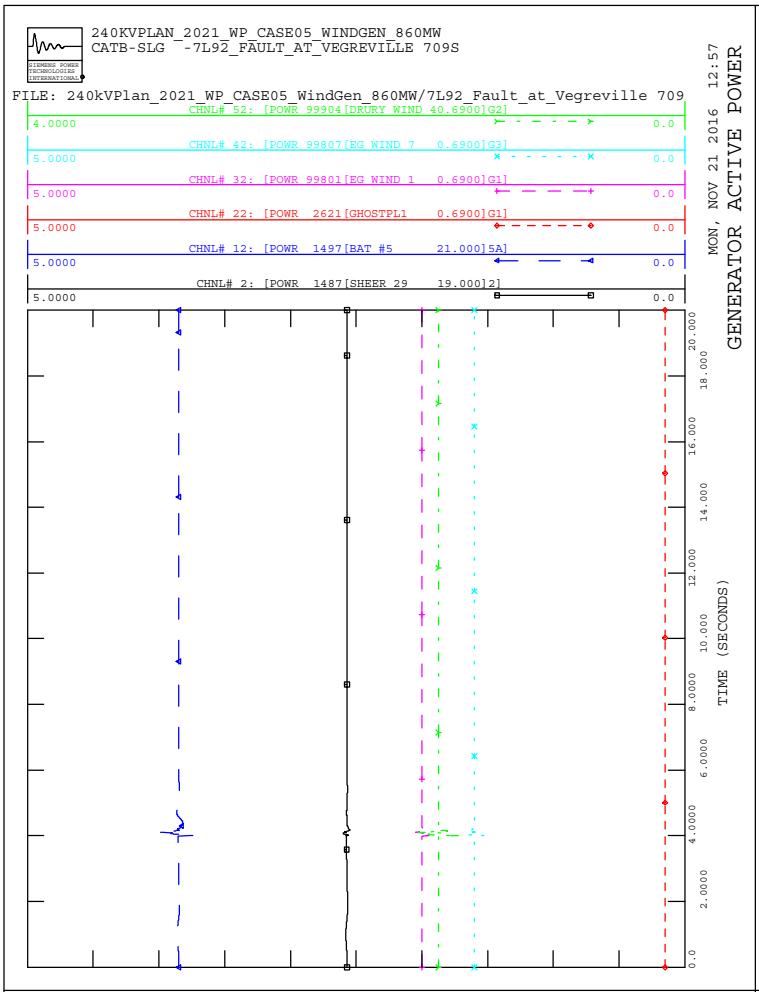
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S

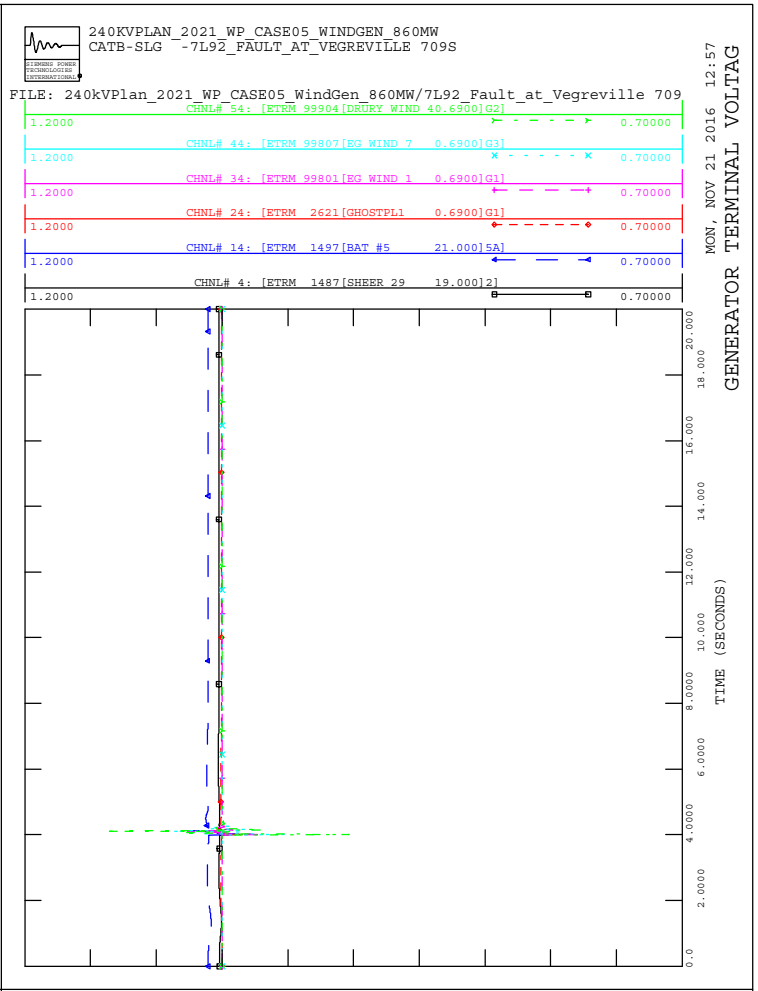
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709

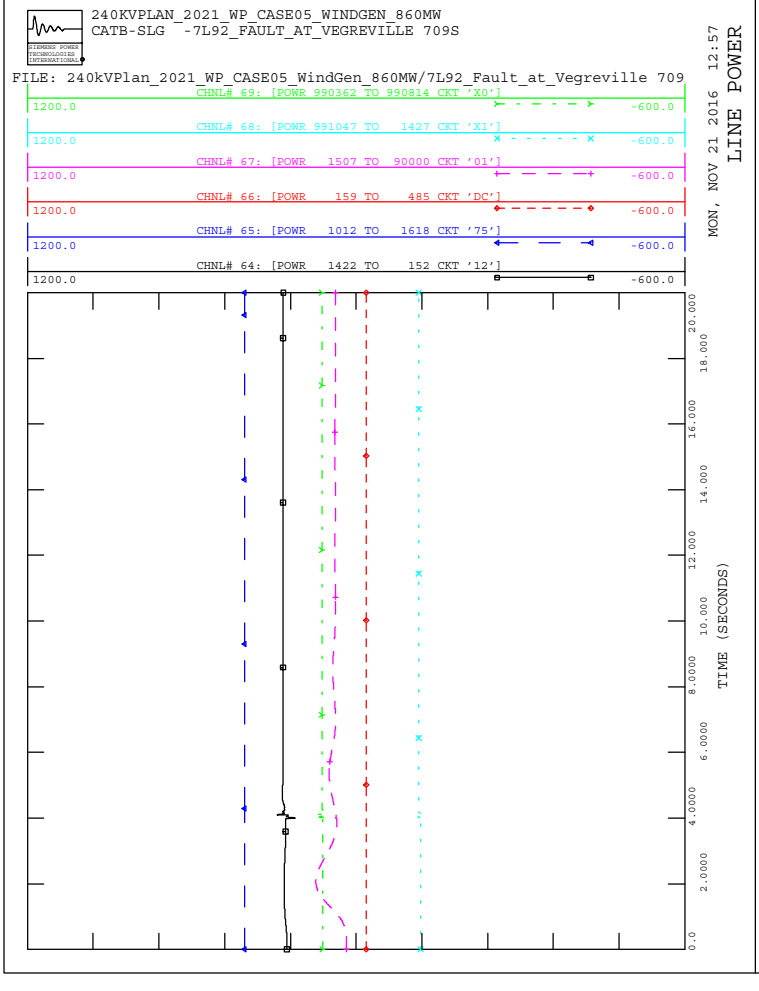
MON, NOV 21 2016 12:57

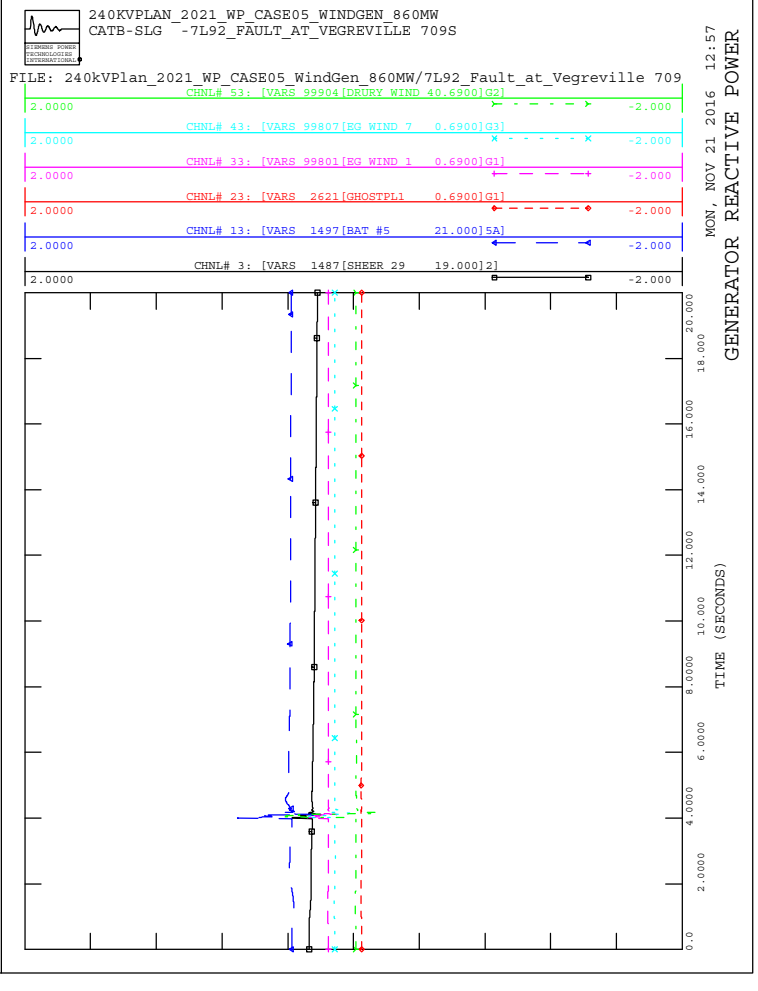
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -7L92_FAULT_AT_VEGREVILLE 709S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_Fault_at_Vegreville 709
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:57

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:57

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:57

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:57

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

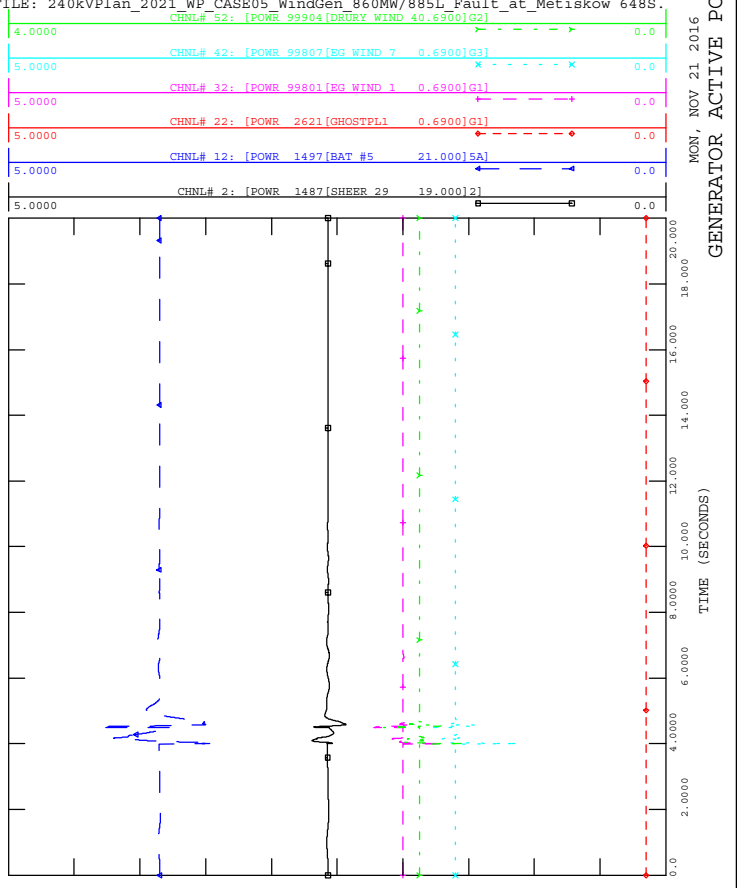
180.00 -180.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

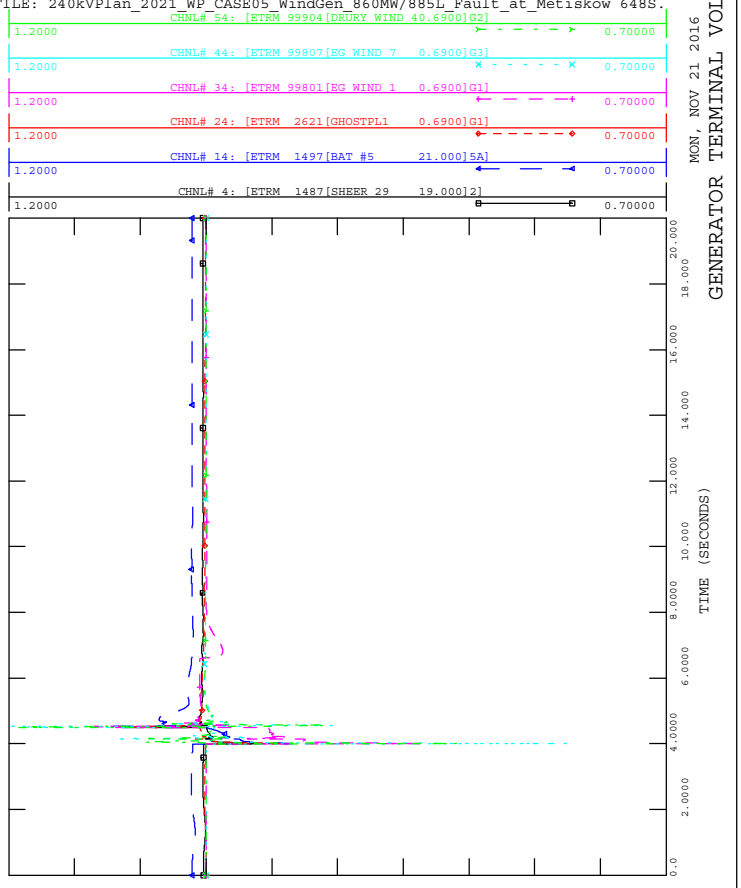
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

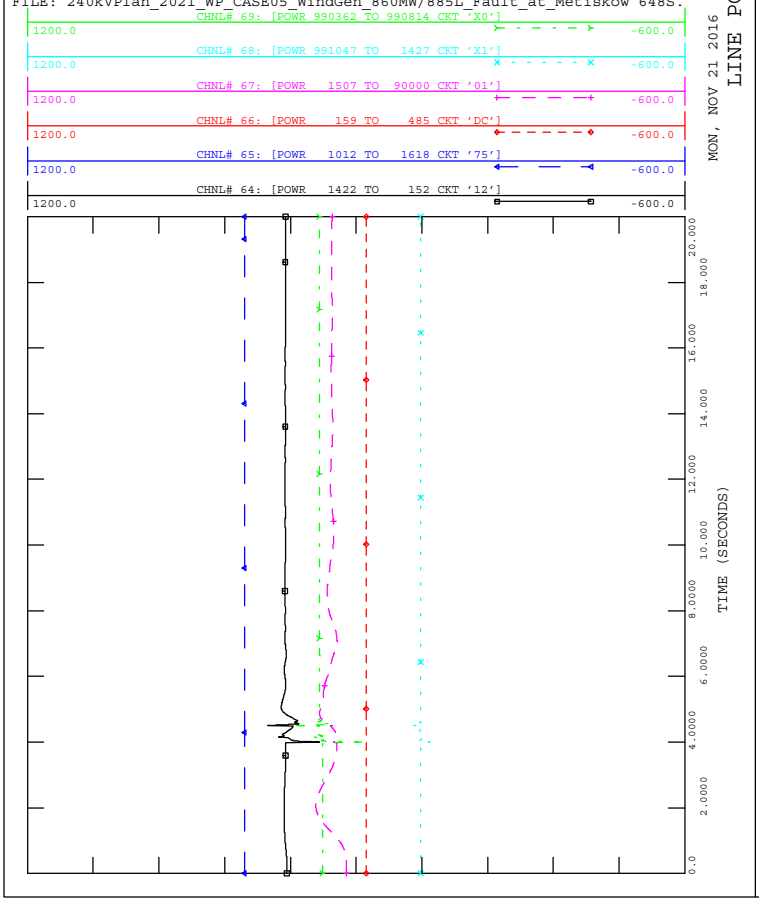
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

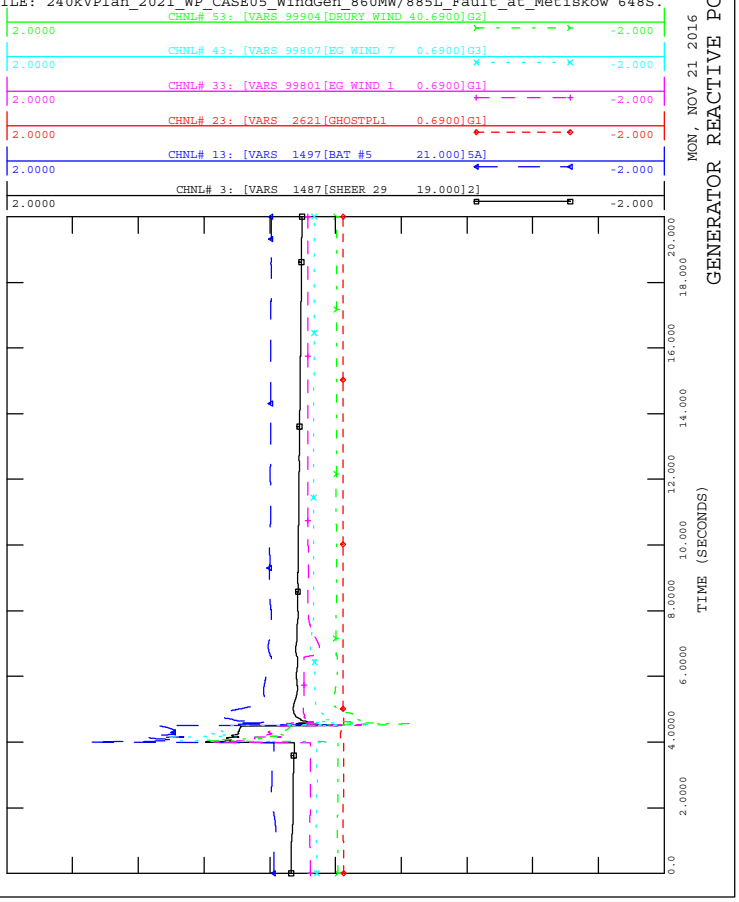
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:57
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Metiskow 648S.



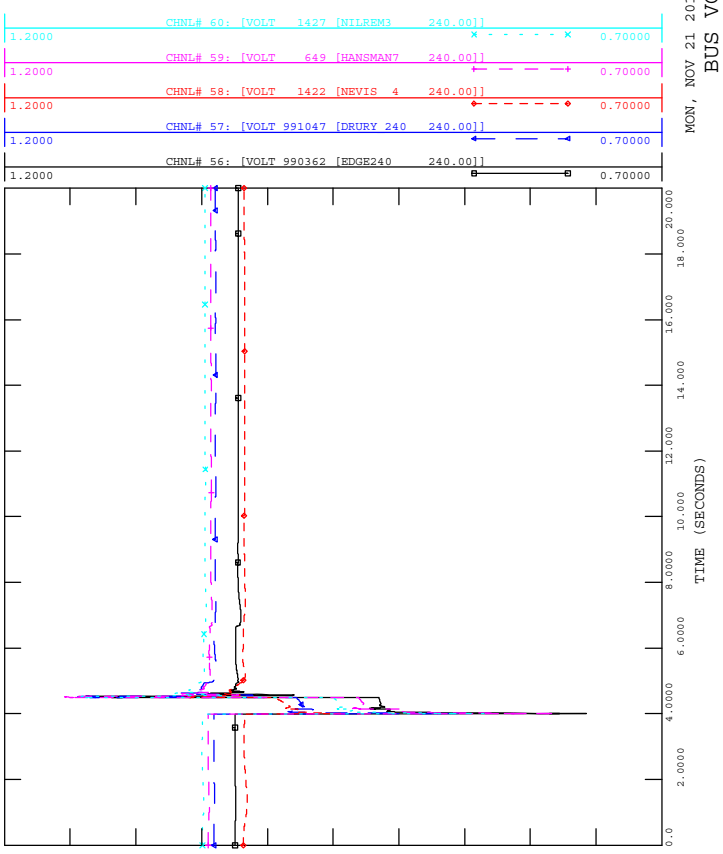
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 12:57

BUS VOLTAGE

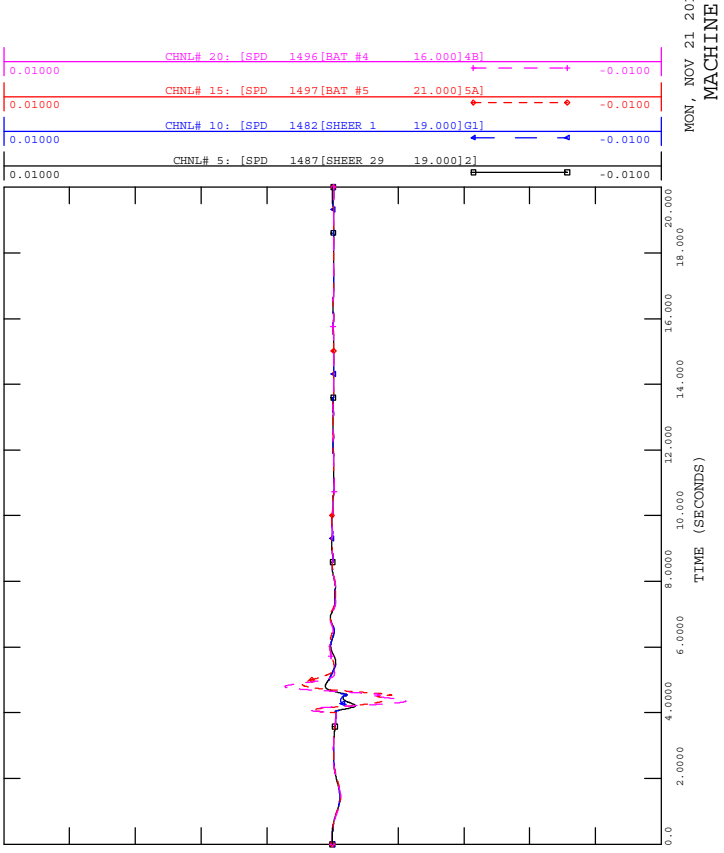


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 12:57

MACHINE SPEED

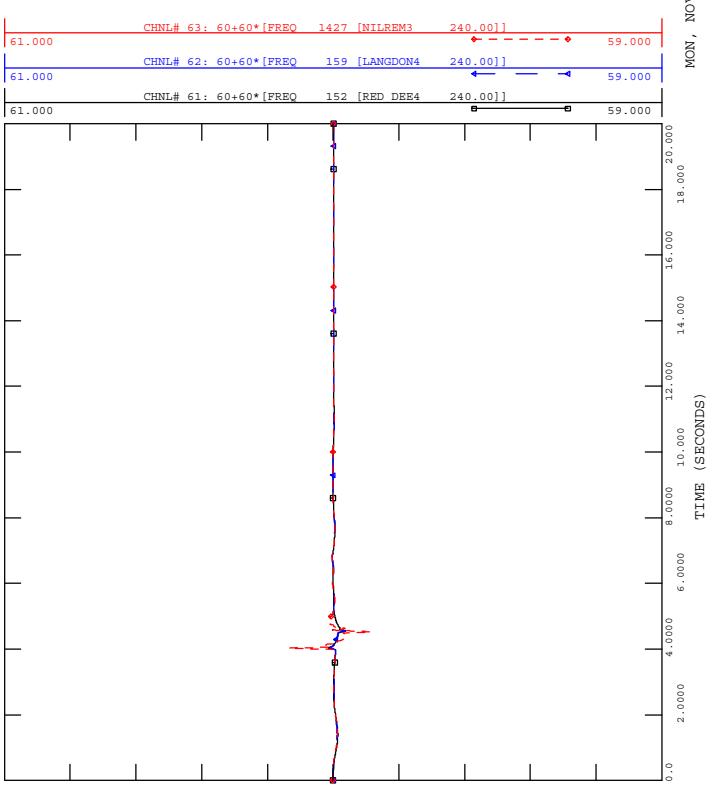


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 12:57

FREQUENCY

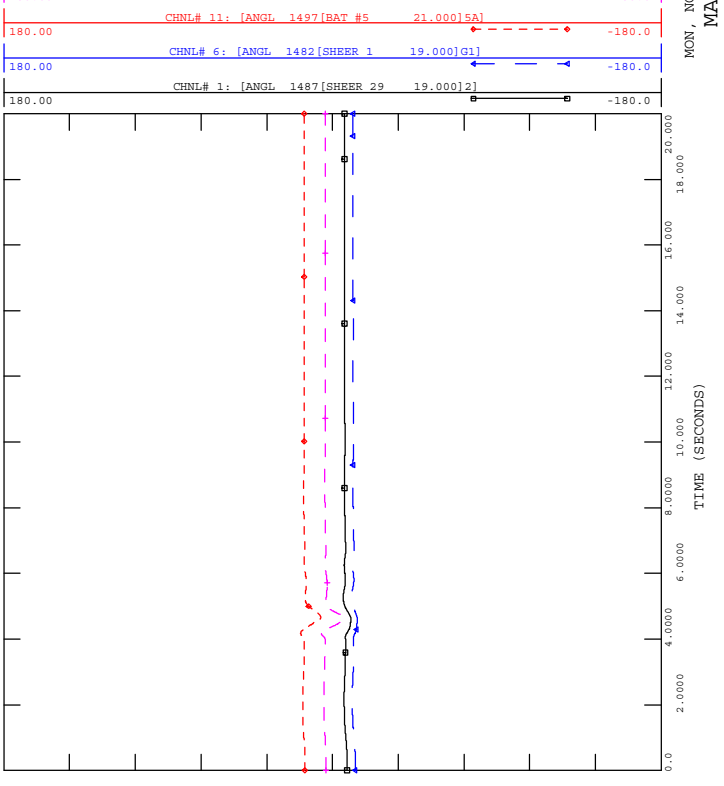


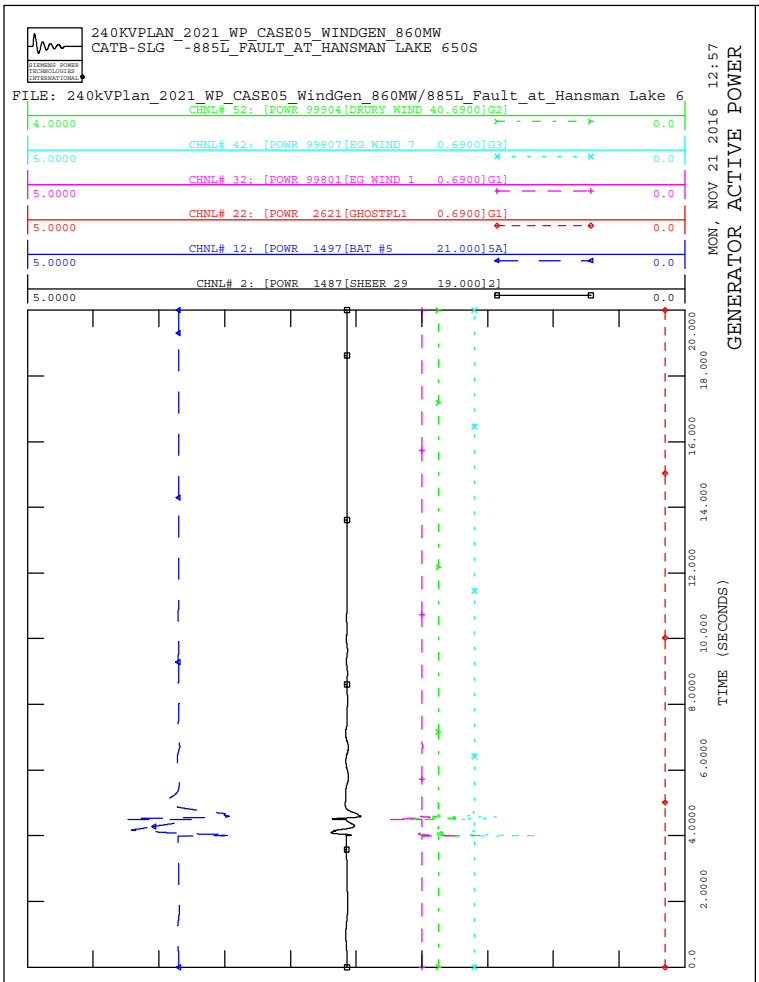
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S

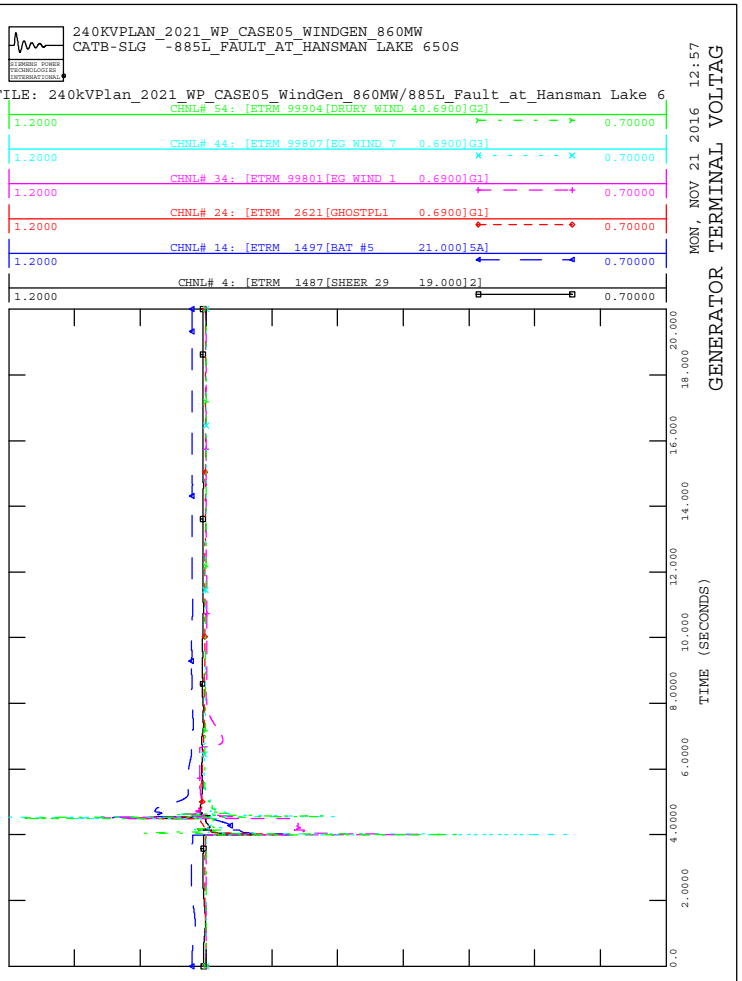
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman Lake 6

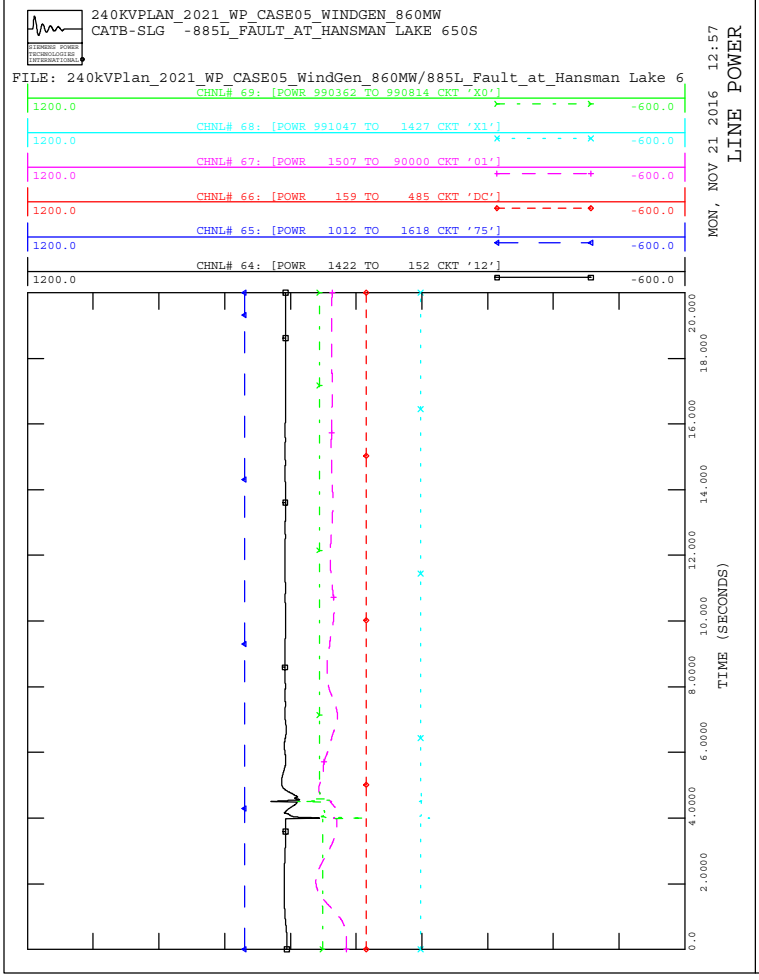
MON, NOV 21 2016 12:57

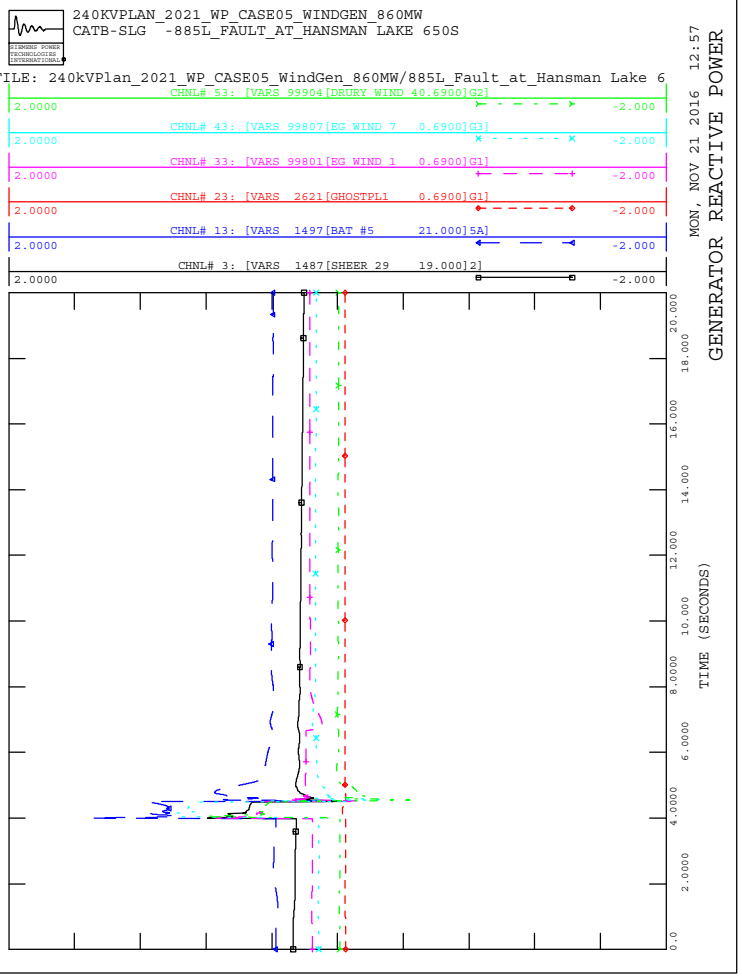
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman_Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman_Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman_Lake 6
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -885L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_Fault_at_Hansman_Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:57

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]] 1.2000 0.70000
CHNL# 56: [VOLT 990362 [EDGE240 240.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:57

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:57

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S

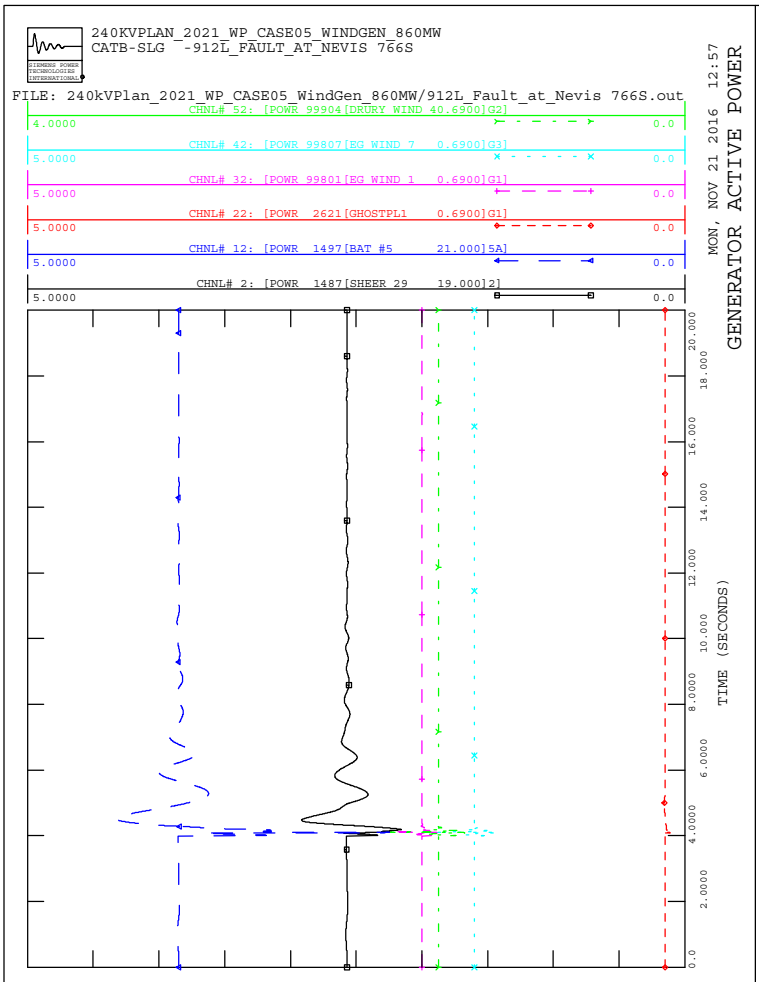
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out

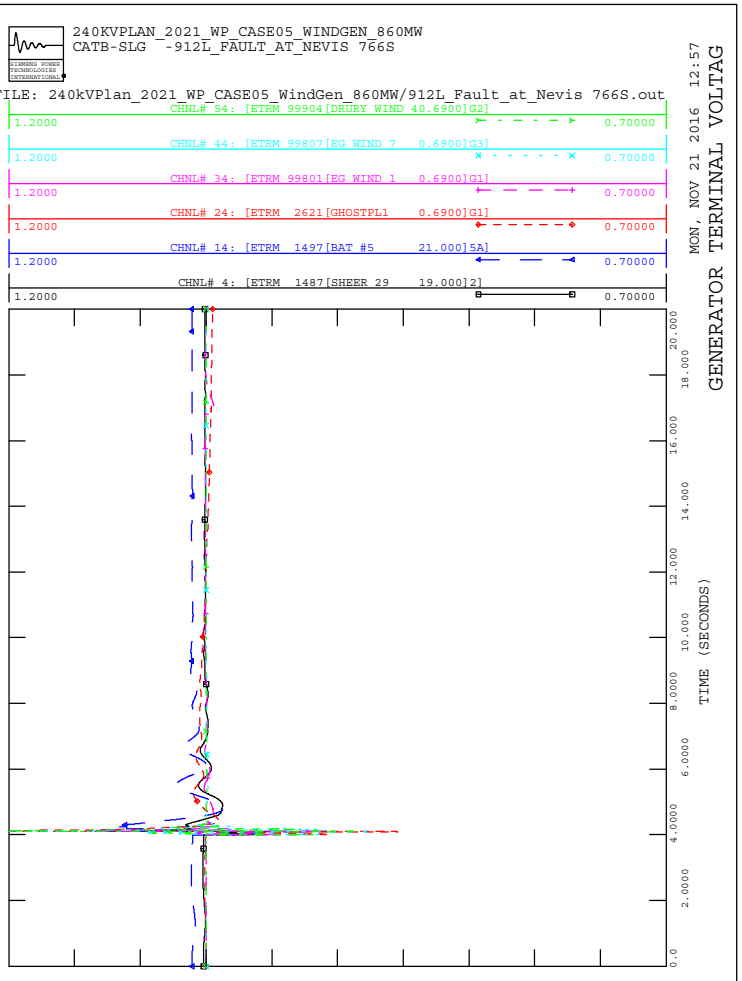
MON, NOV 21 2016 12:57

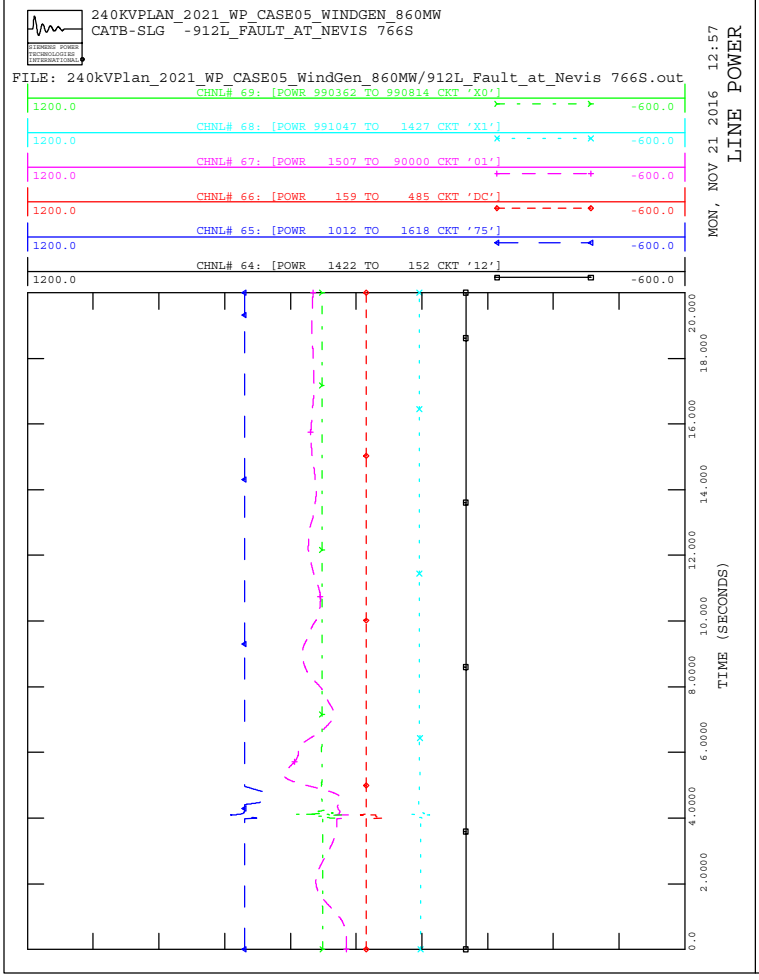
MACHINE ANGEL

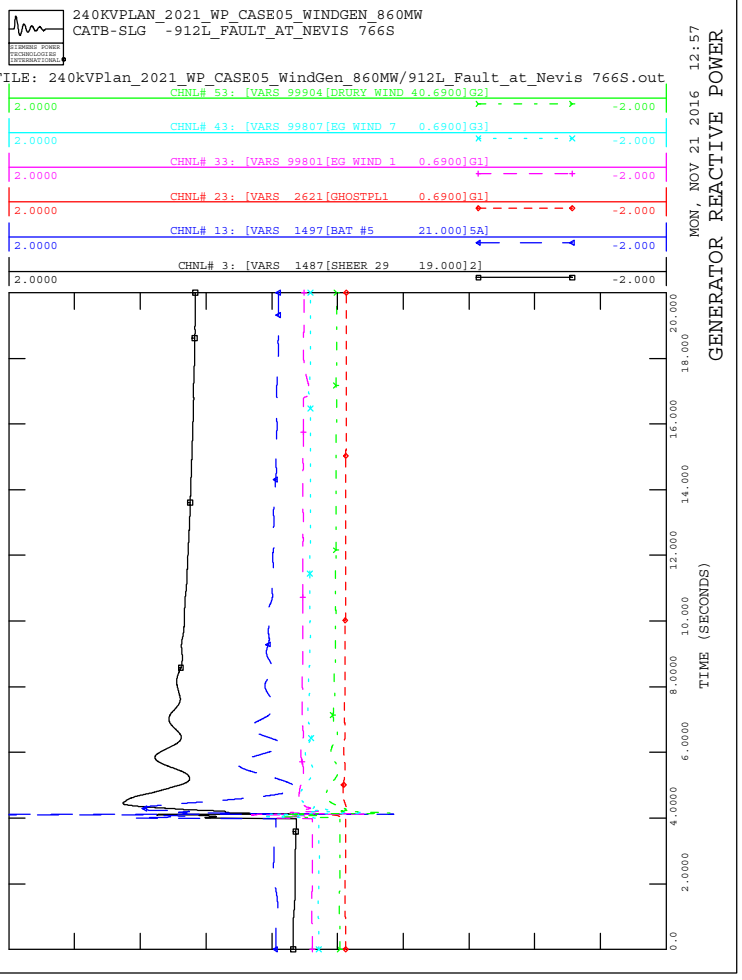
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

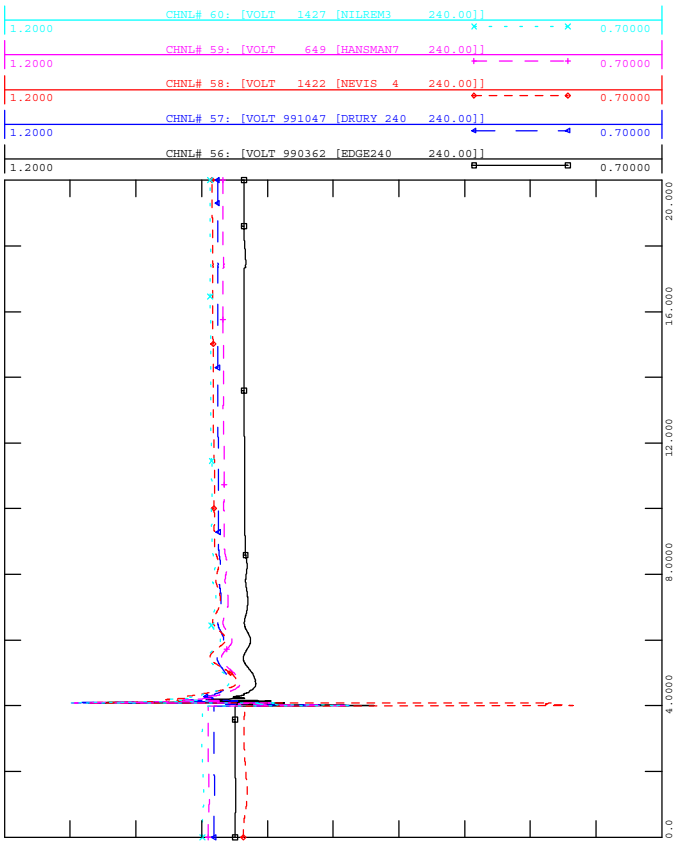

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 12:57

BUS VOLTAGE

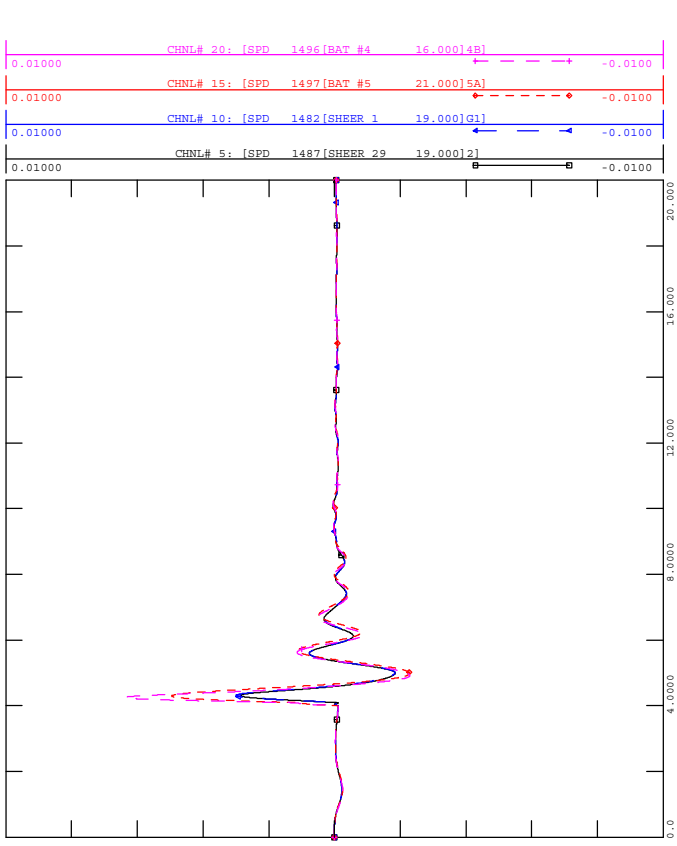


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 12:57

MACHINE SPEED

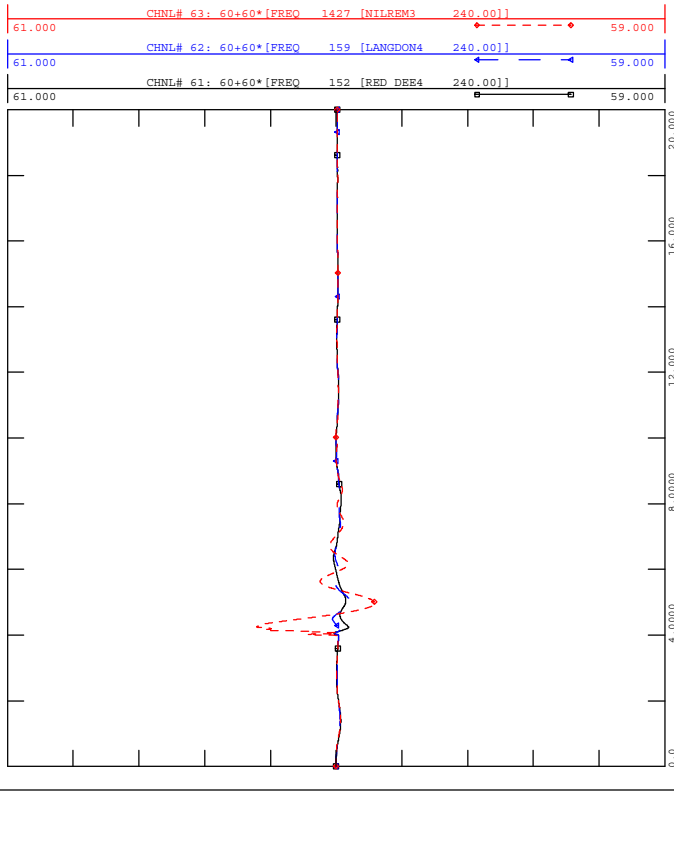


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

MON, NOV 21 2016 12:57

FREQUENCY

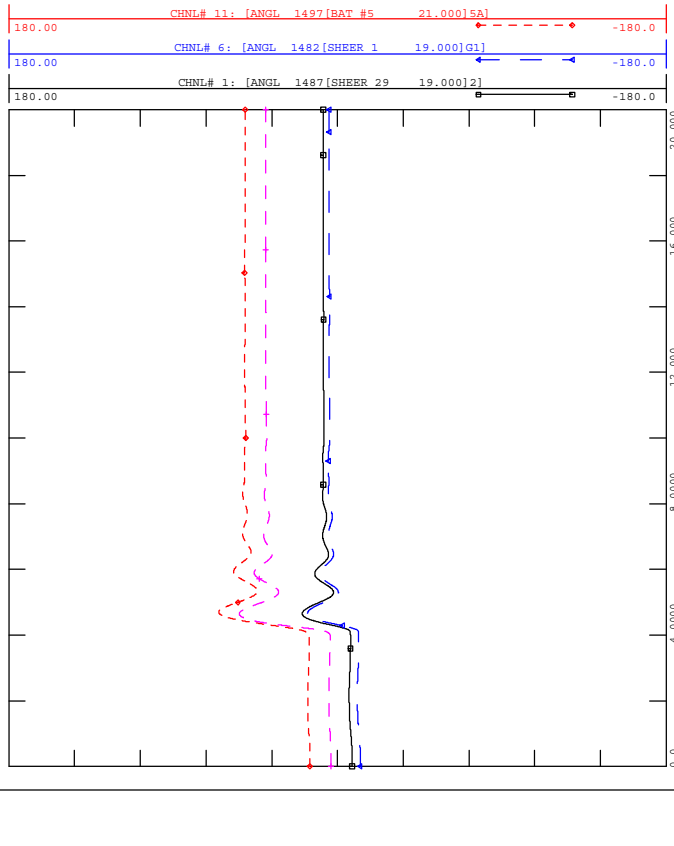


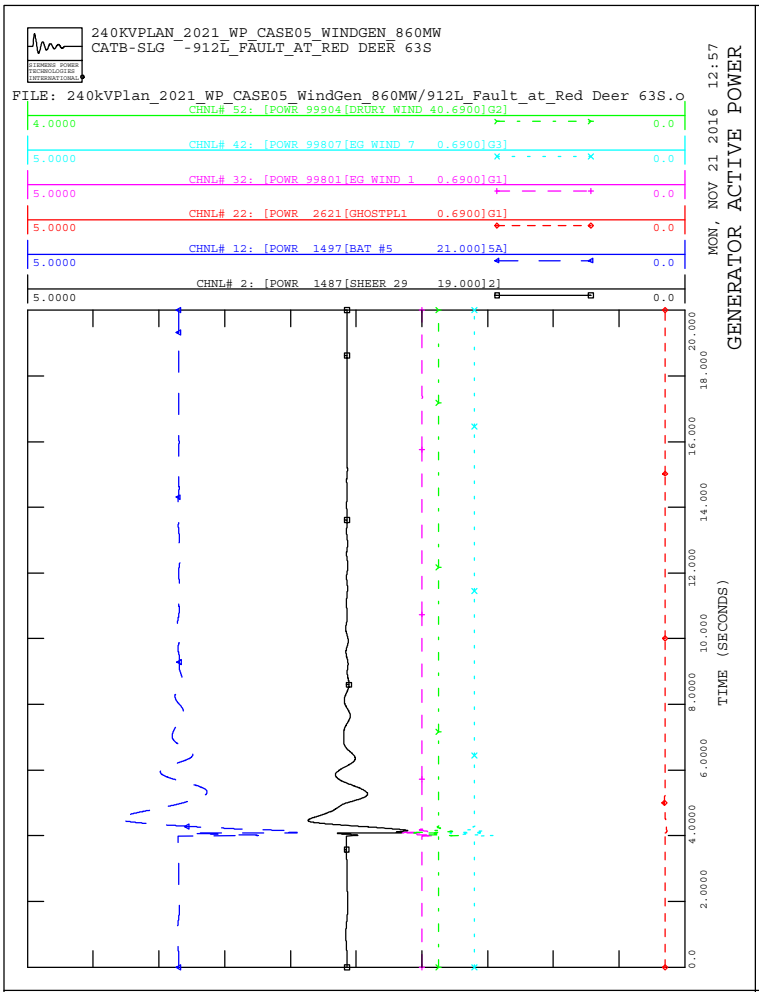
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S

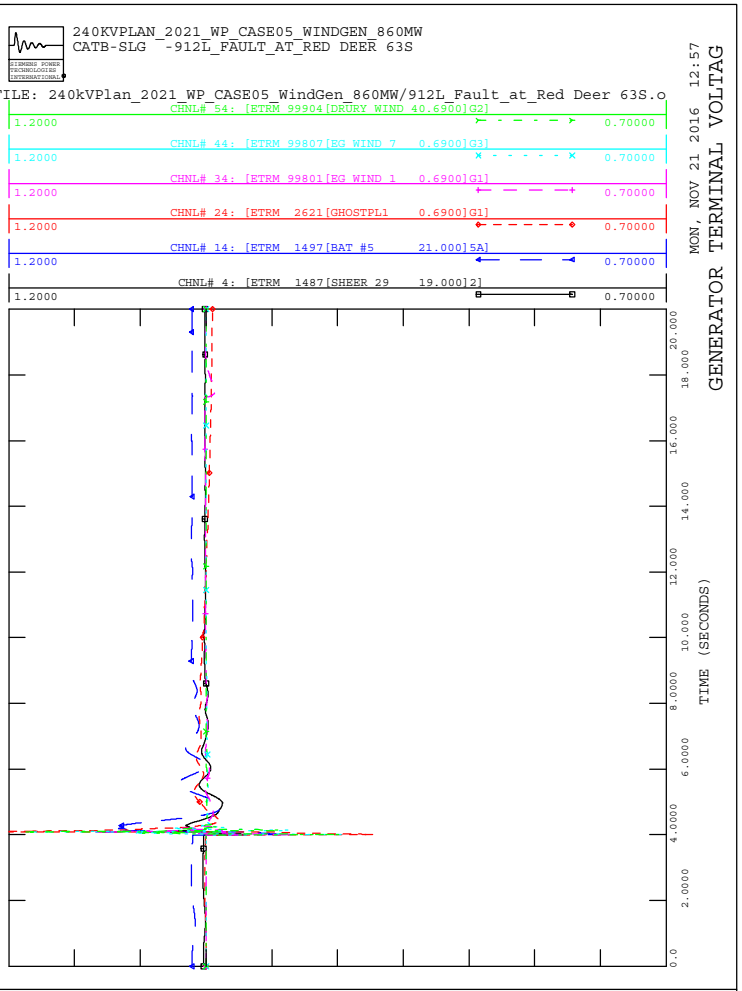
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o

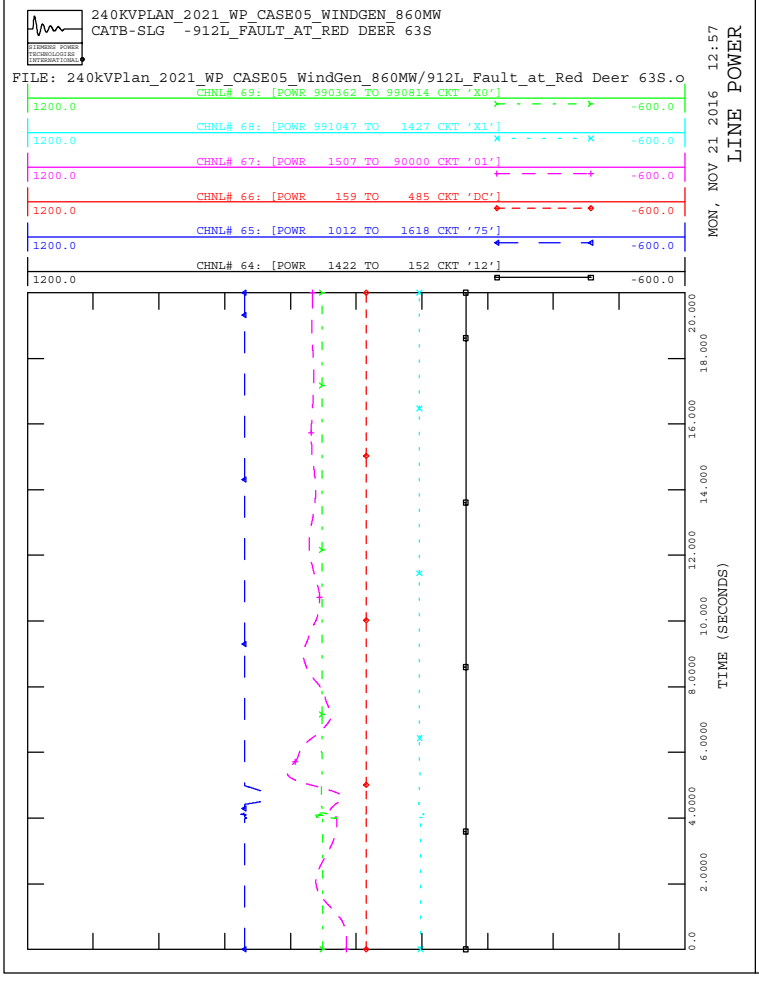
MON, NOV 21 2016 12:57

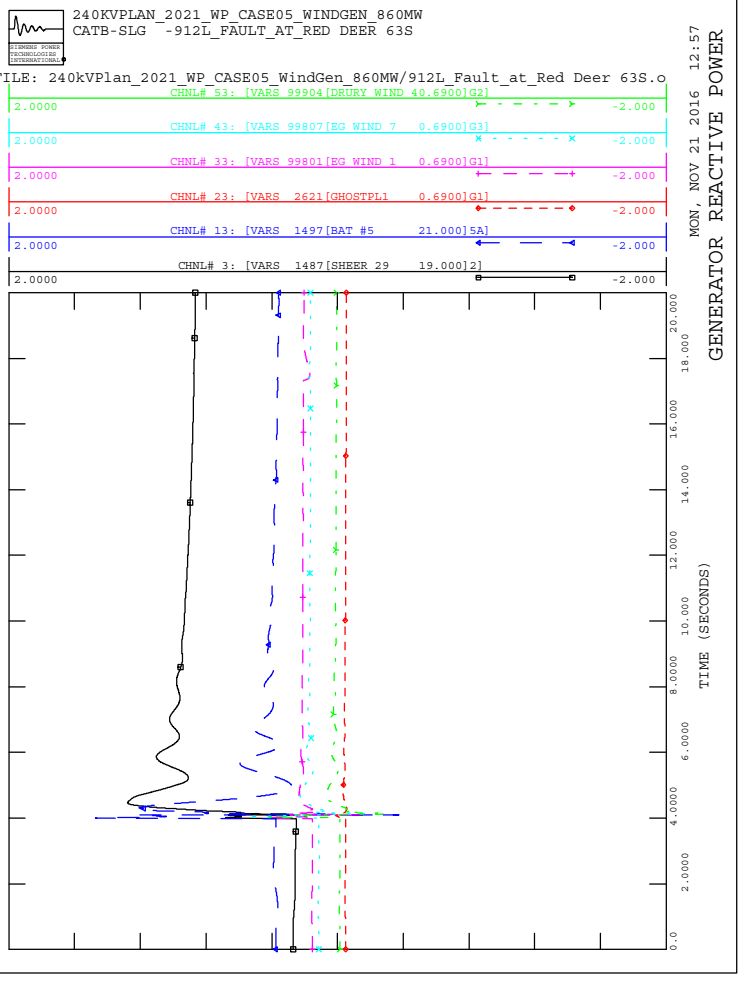
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

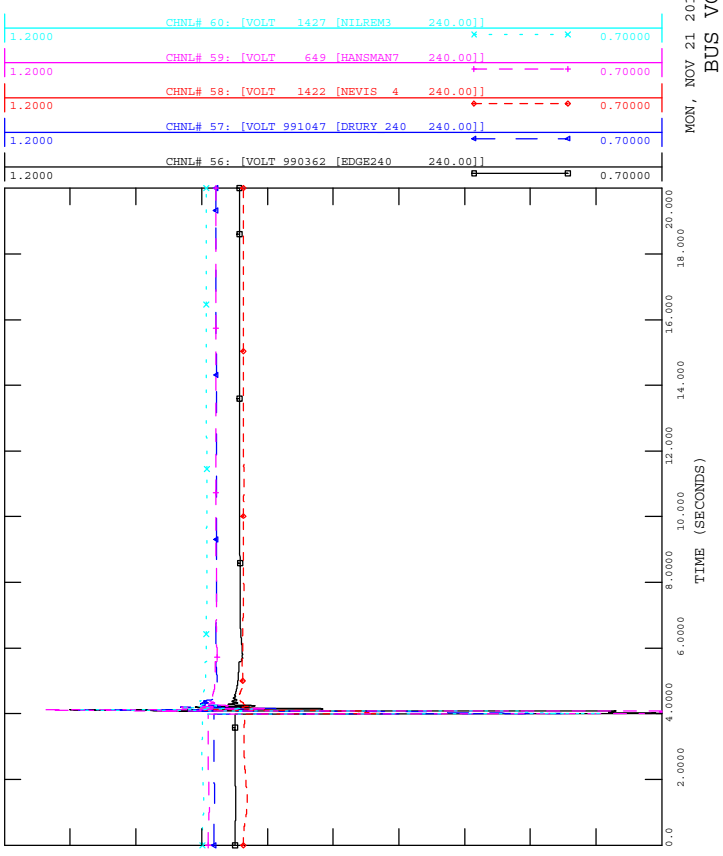

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

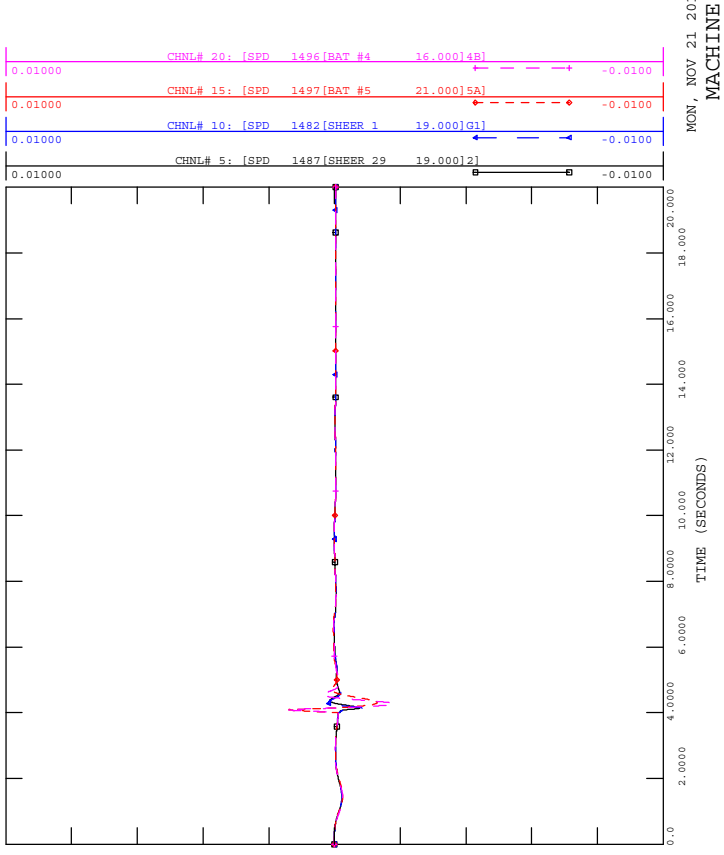
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake



MON, NOV 21 2016 12:57
BUS VOLTAGE

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

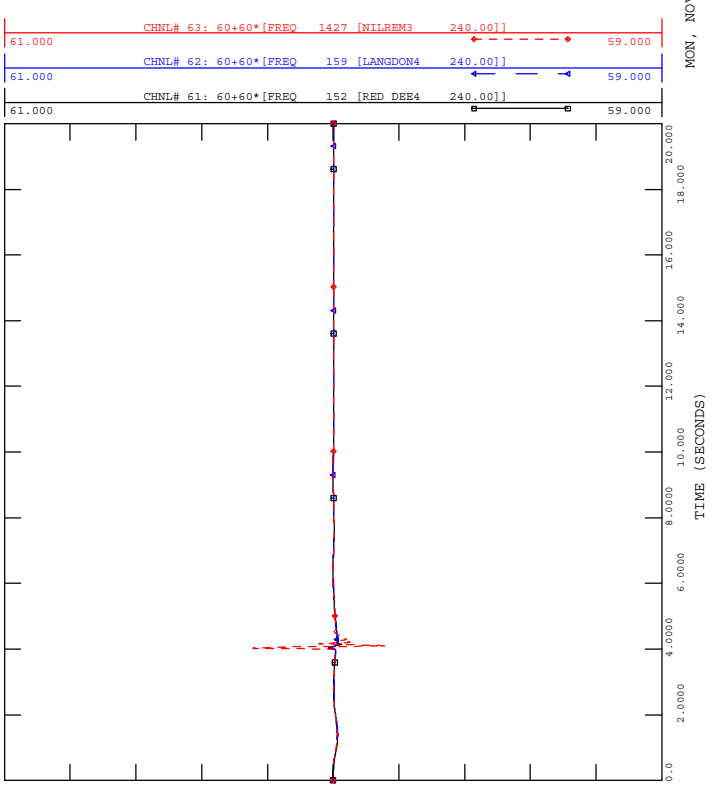
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake



MON, NOV 21 2016 12:57
MACHINE SPEED

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

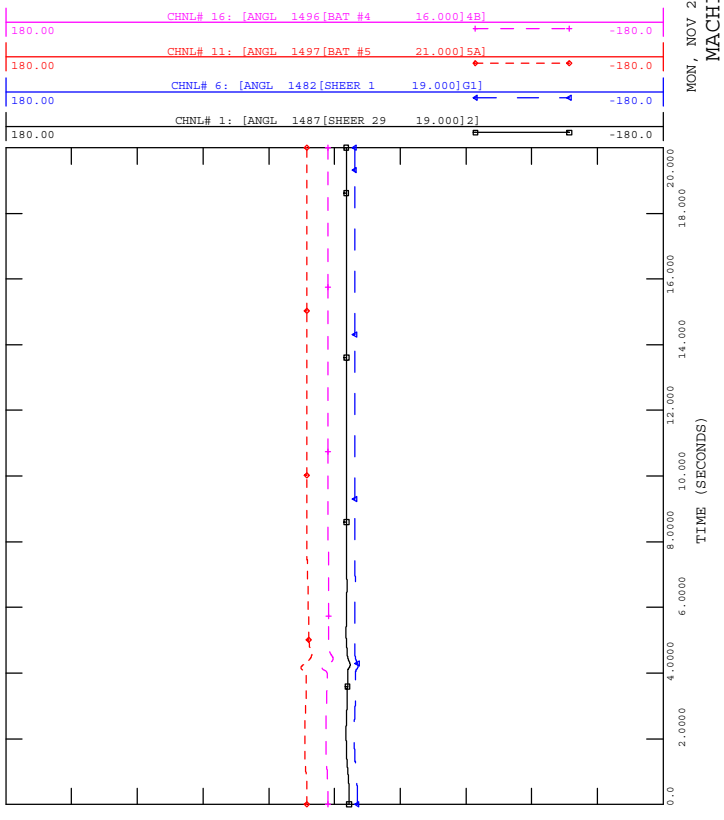
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake



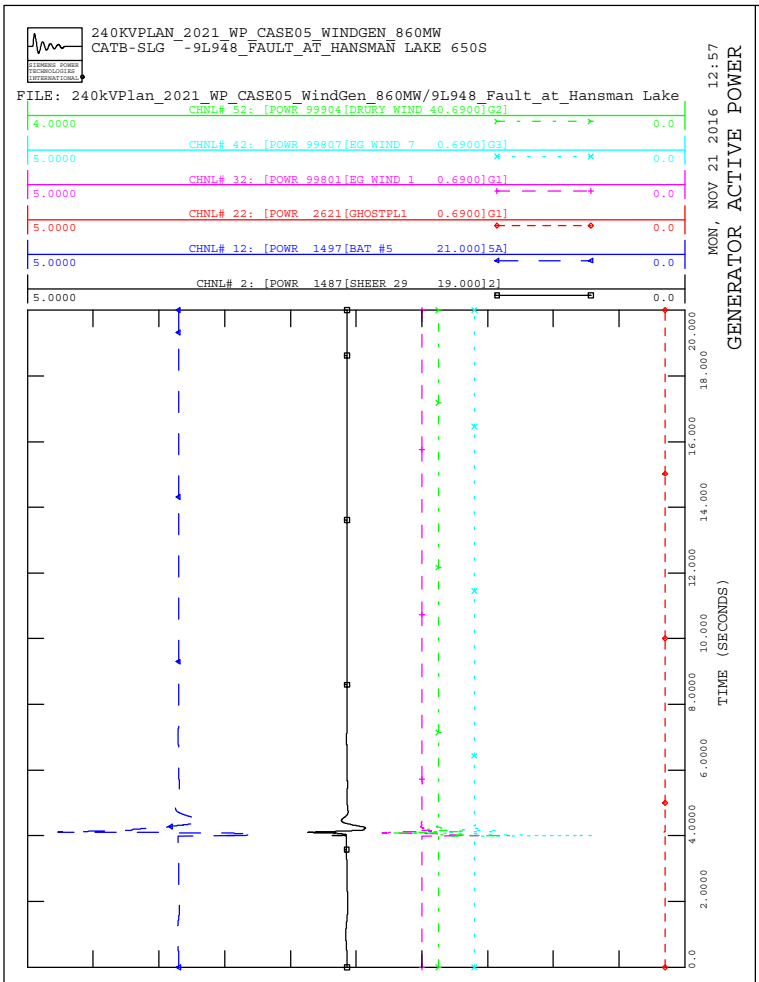
MON, NOV 21 2016 12:57
FREQUENCY

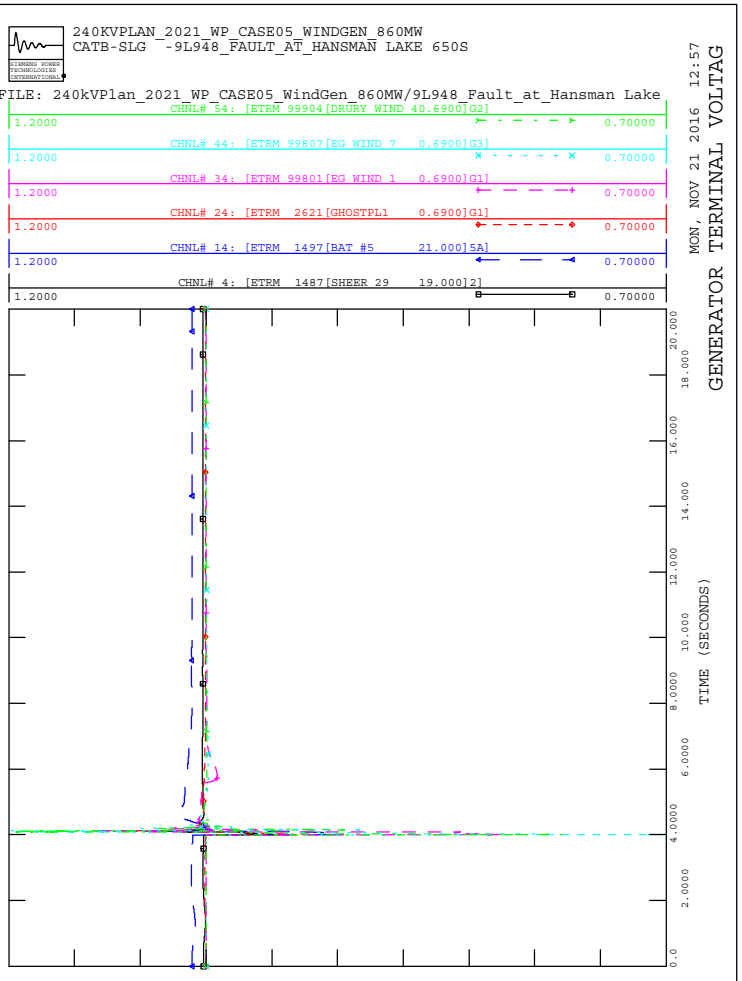
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S

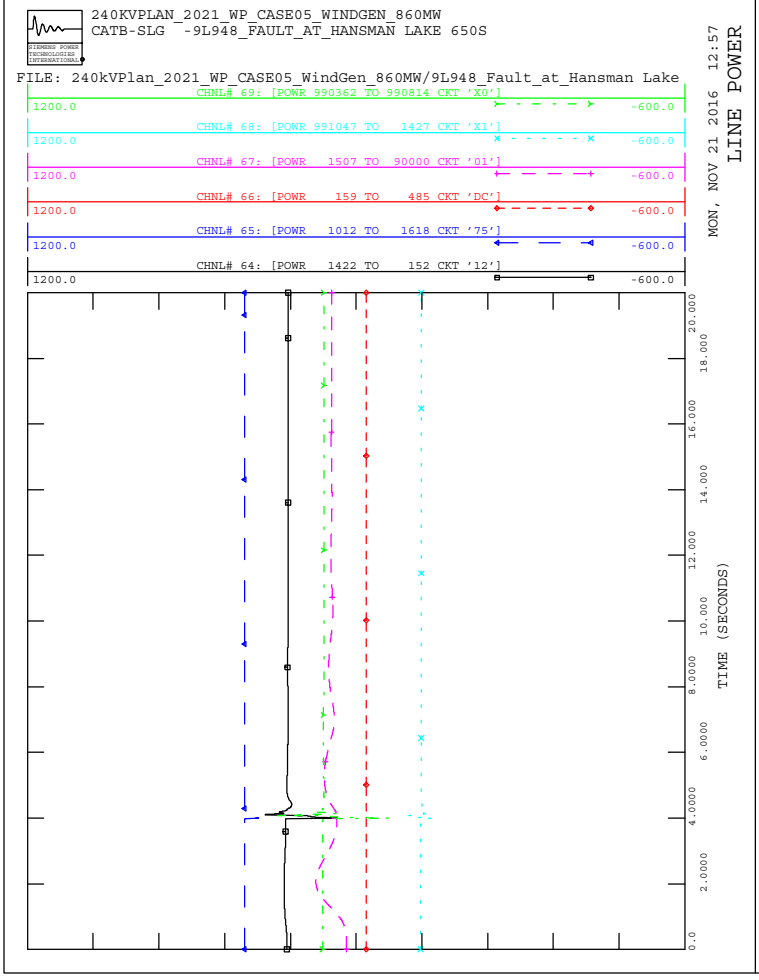
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake

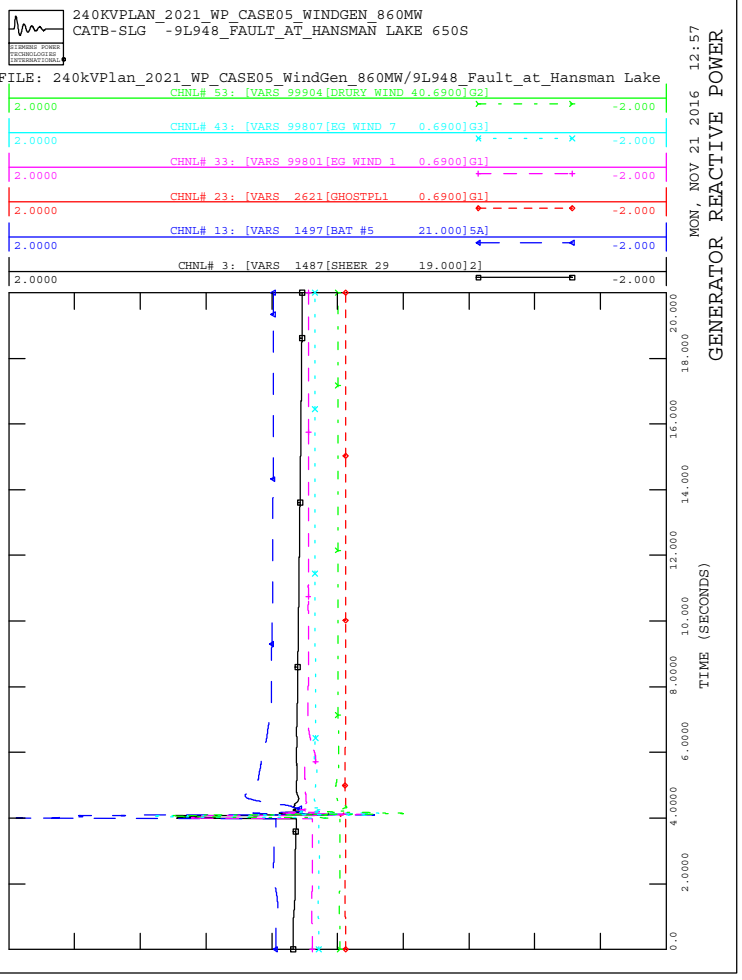


MON, NOV 21 2016 12:57
MACHINE ANGEL


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

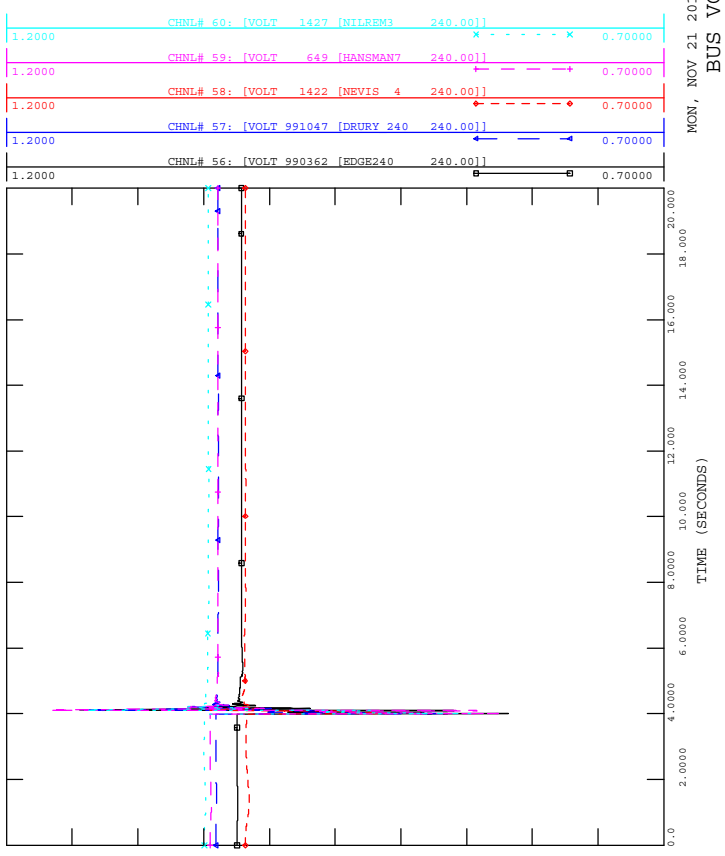

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_HANSMAN LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 12:57

BUS VOLTAGE

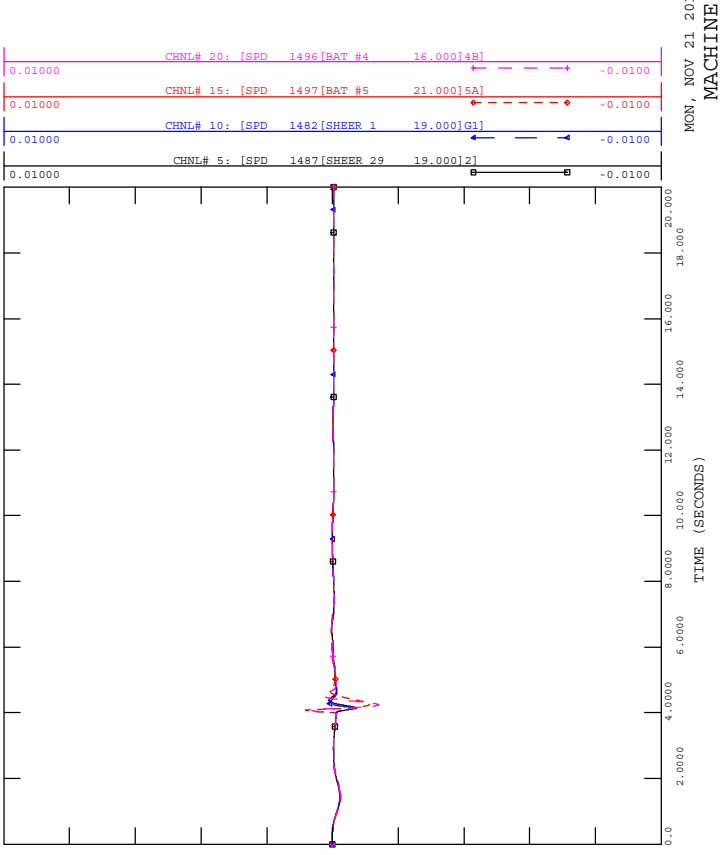


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 12:57

MACHINE SPEED

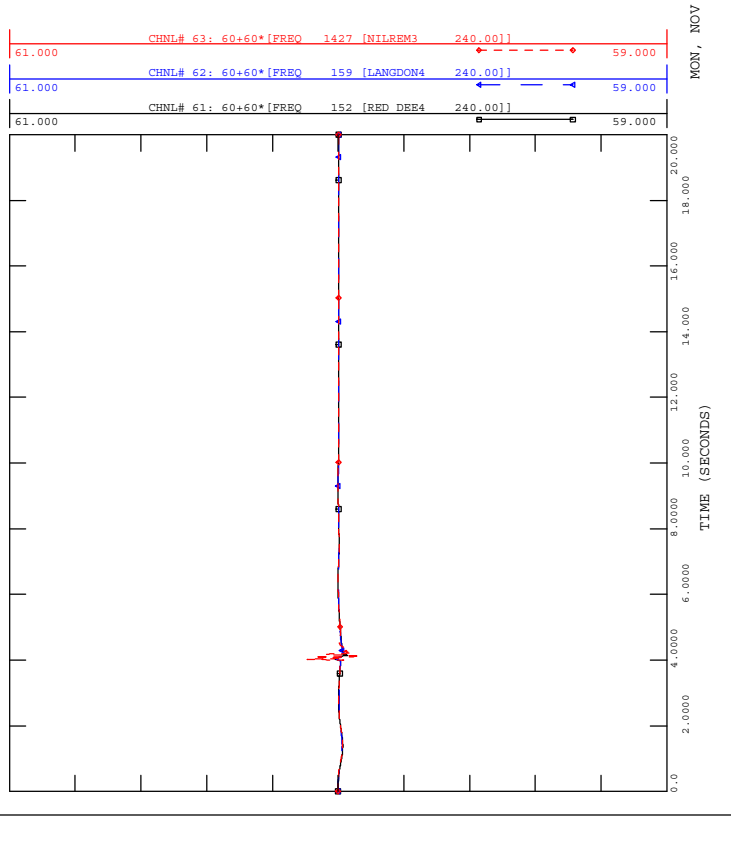


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86

MON, NOV 21 2016 12:57

FREQUENCY

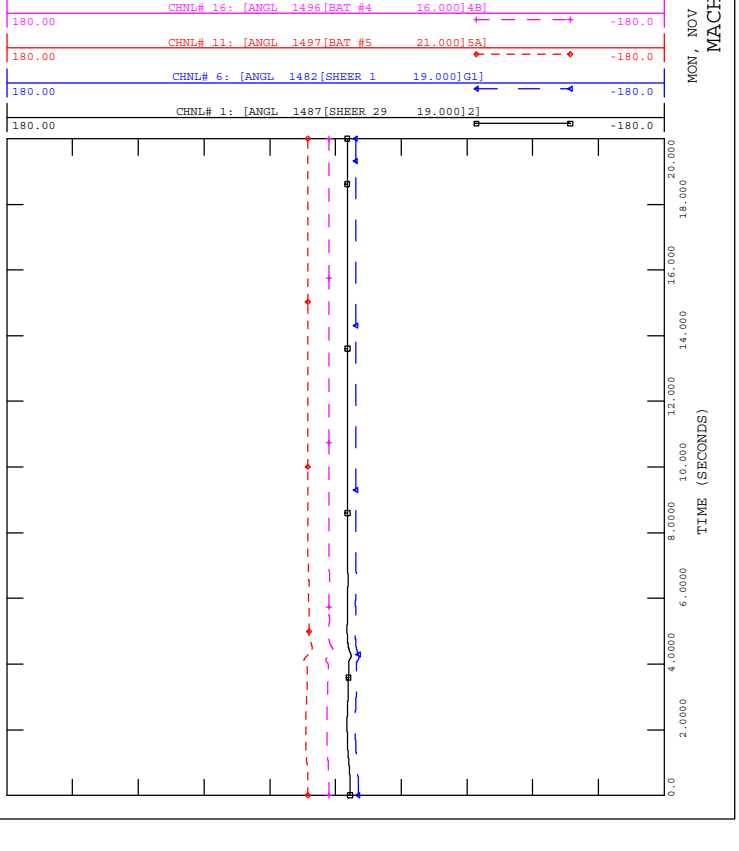


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86

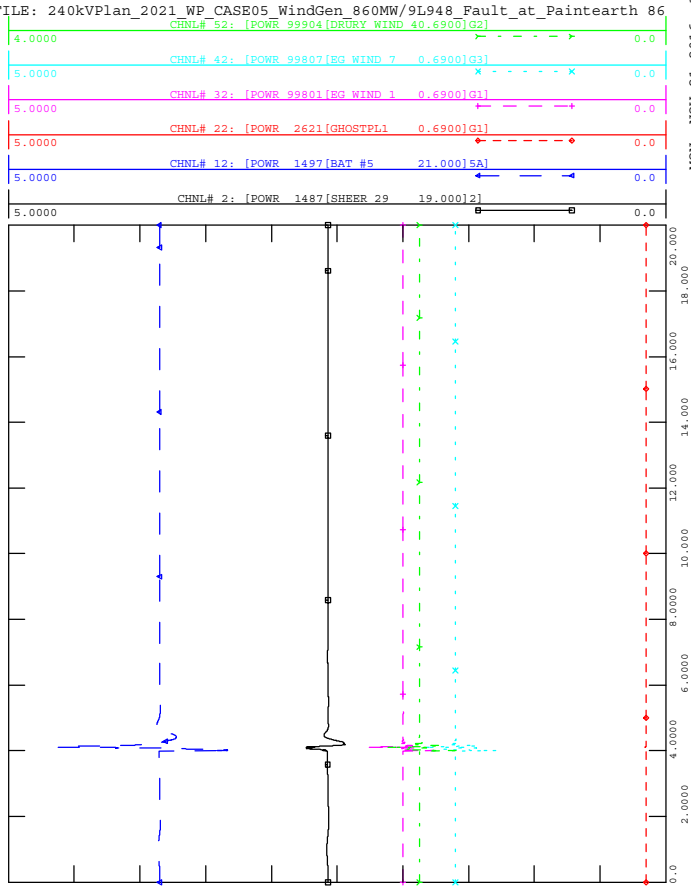
MON, NOV 21 2016 12:57

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

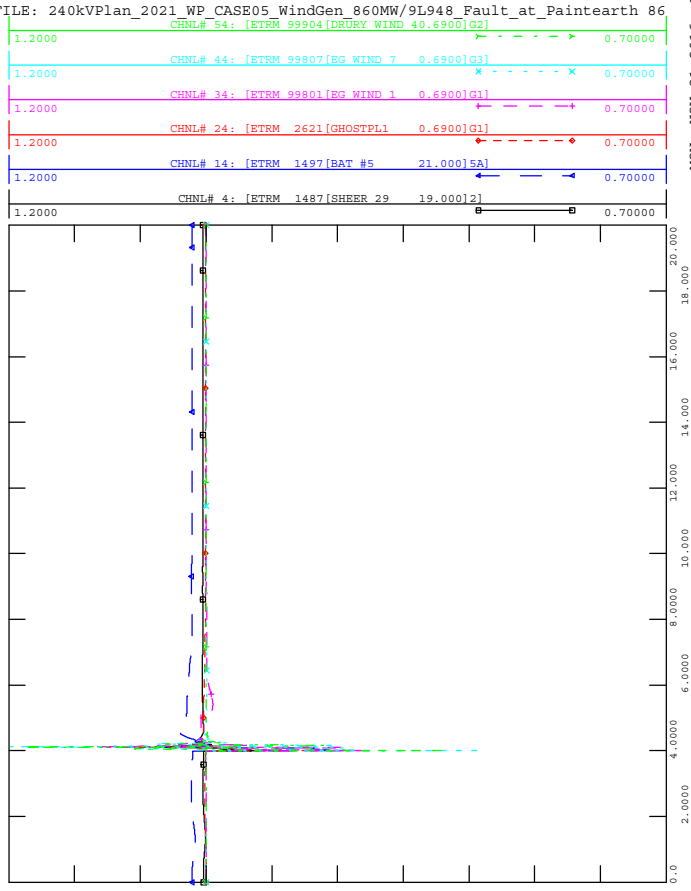
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

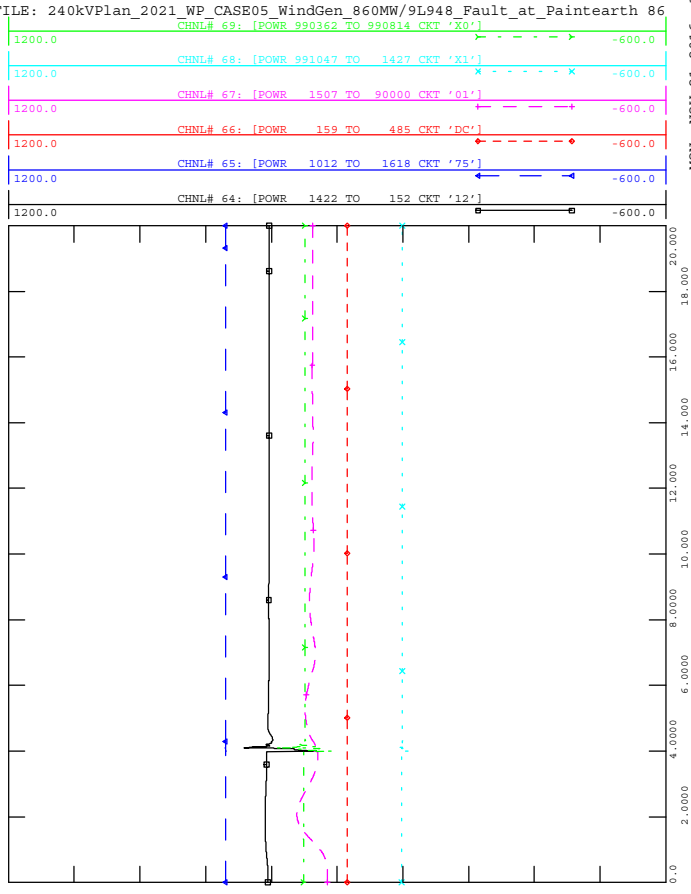
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

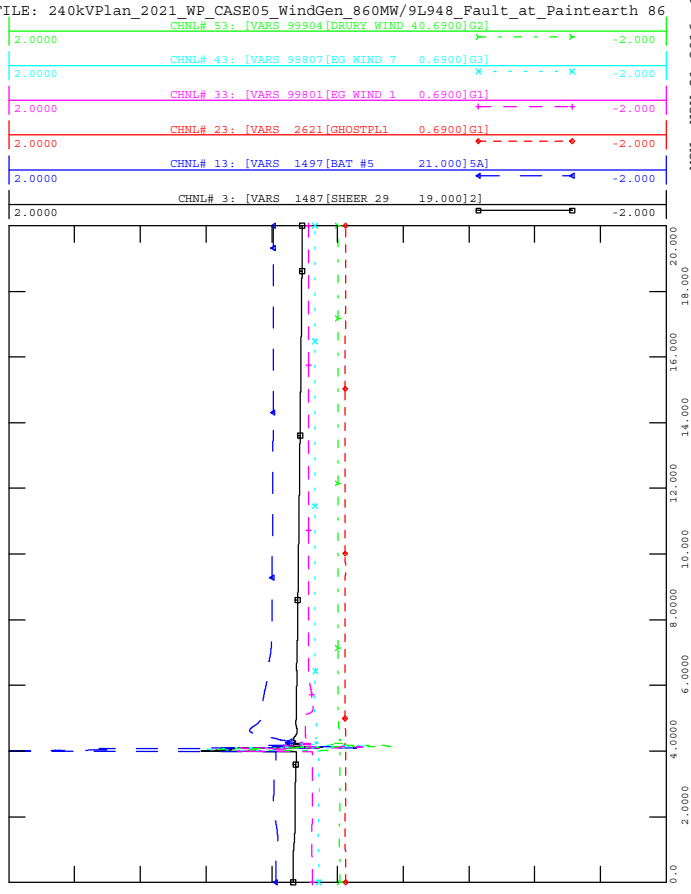
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86



LINE POWER
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L948_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L948_Fault_at_Paintearth 86



GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 12:57

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]] 1.2000 0.70000
CHNL# 56: [VOLT 990362 [EDGE240 240.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 12:57

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 12:57

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S

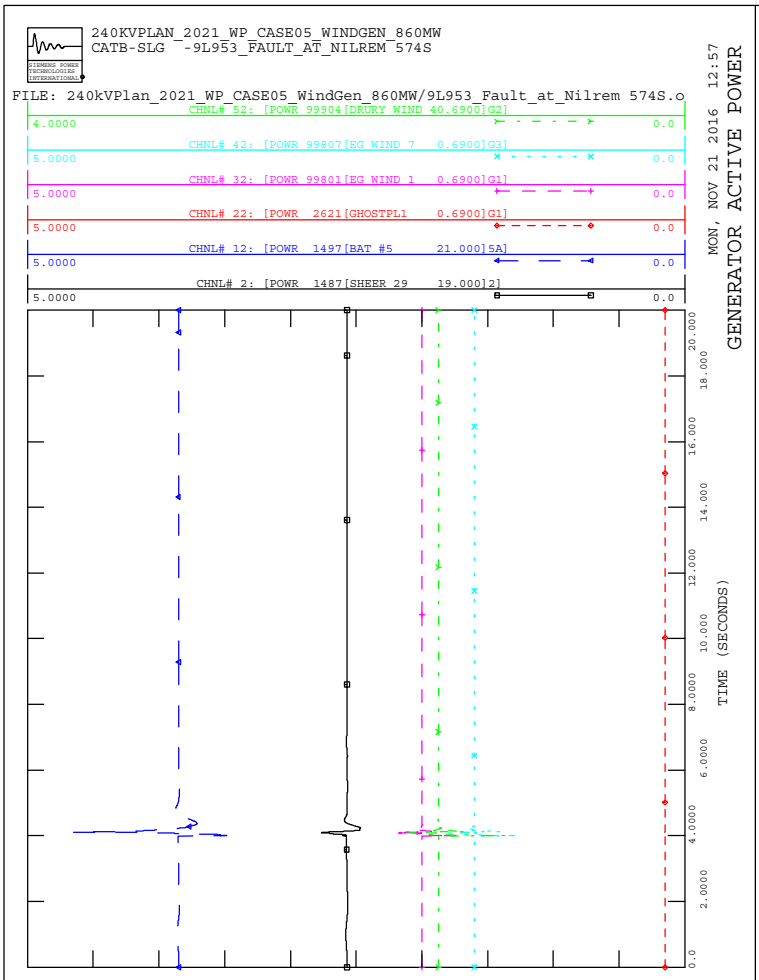
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o

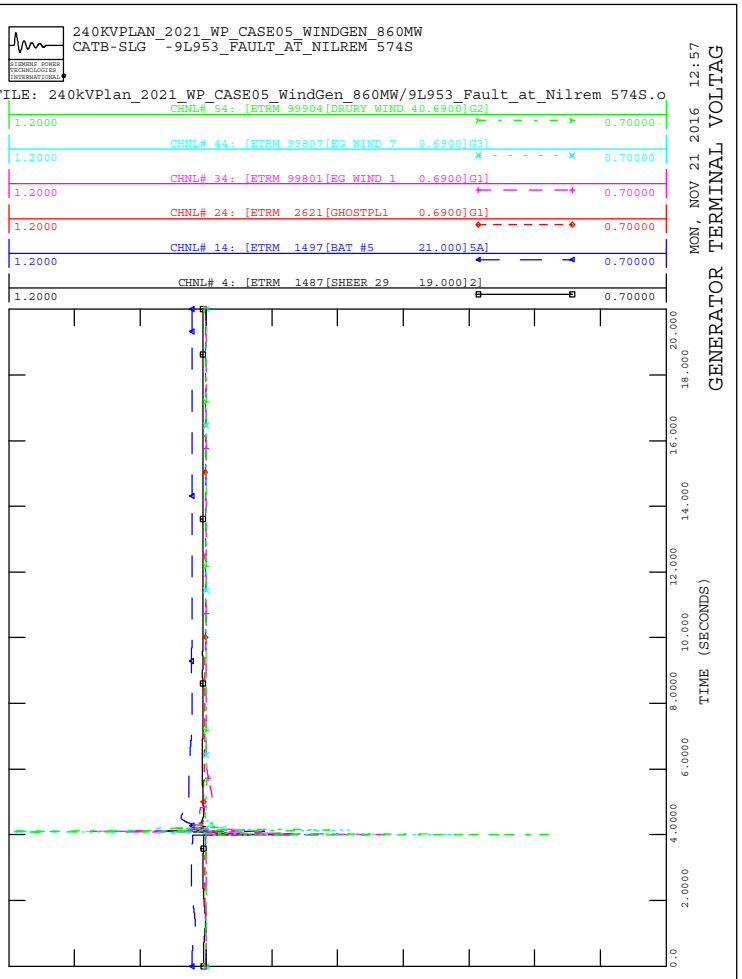
MON, NOV 21 2016 12:57

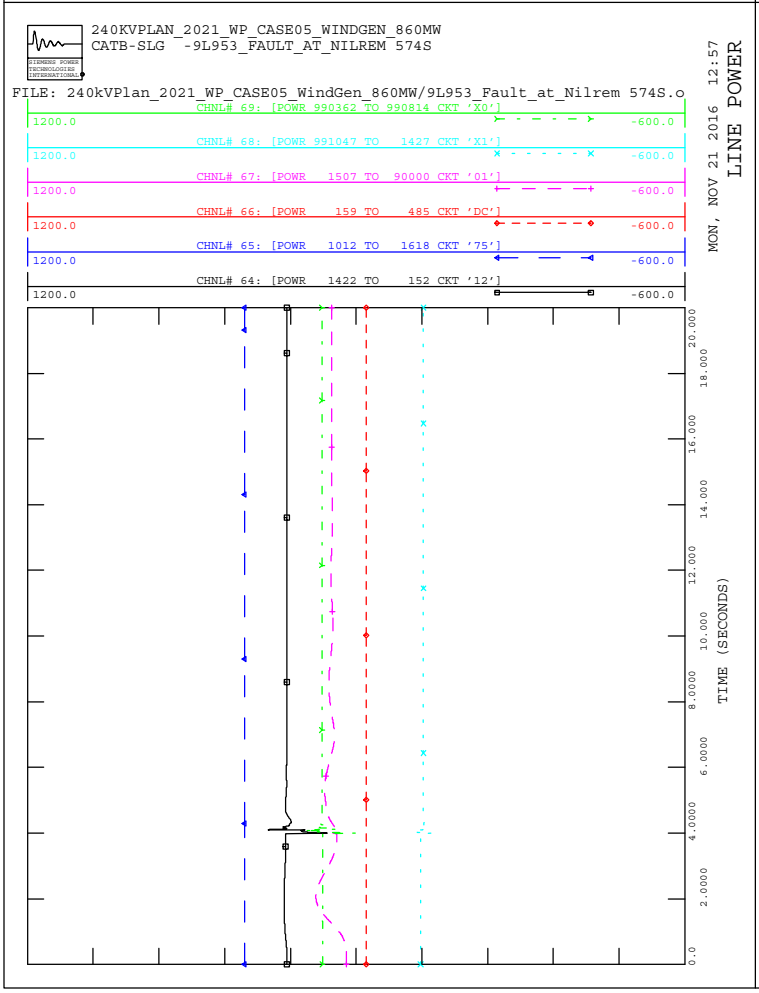
MACHINE ANGEL

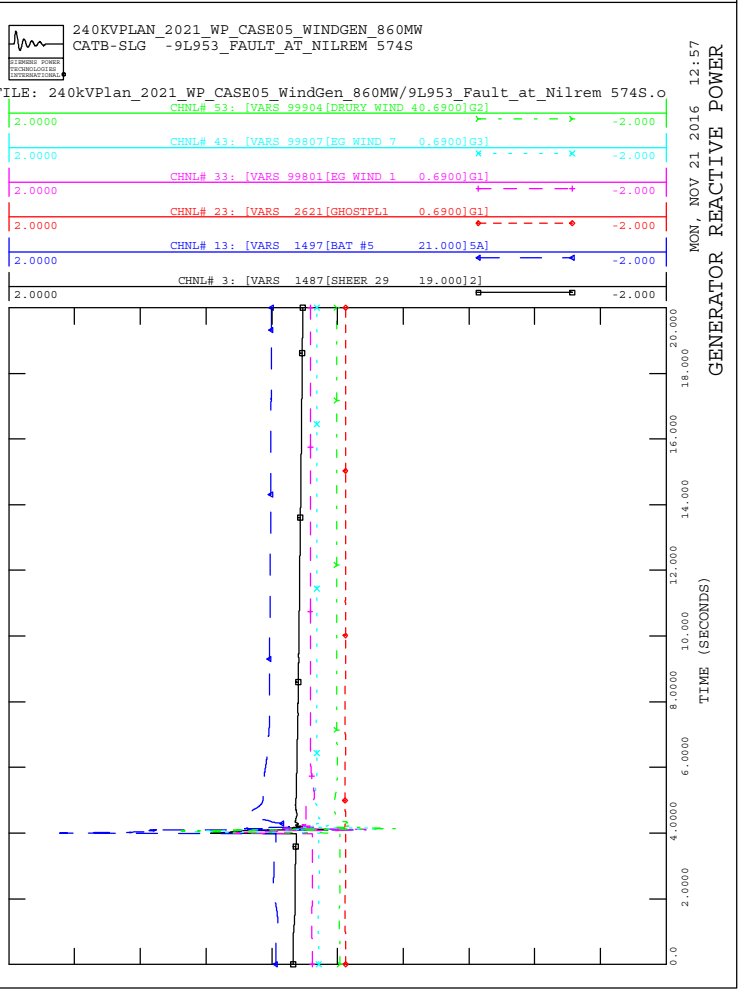
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:57
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

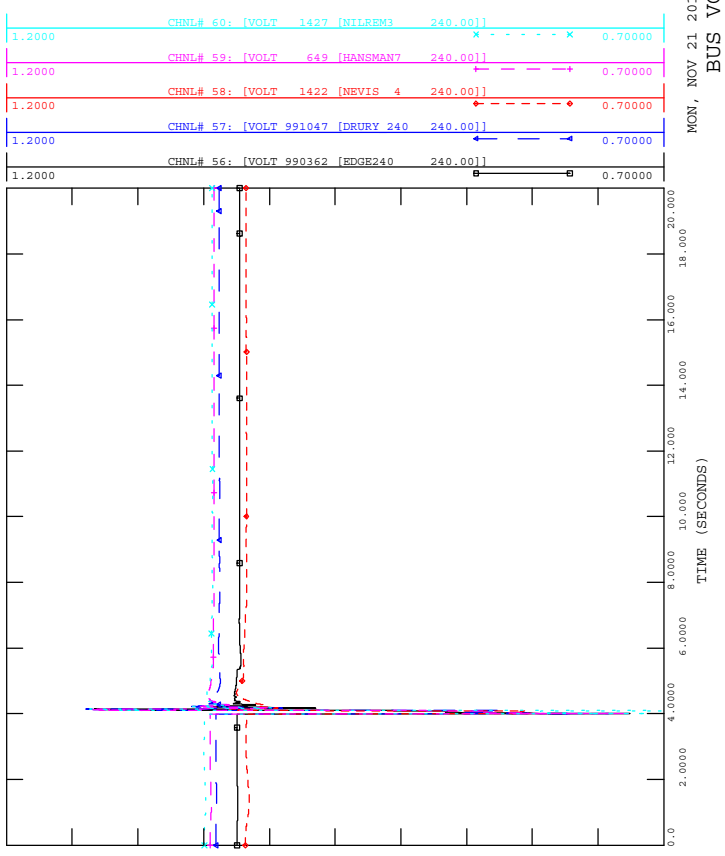

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Nilrem 574S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:57
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 12:57

BUS VOLTAGE

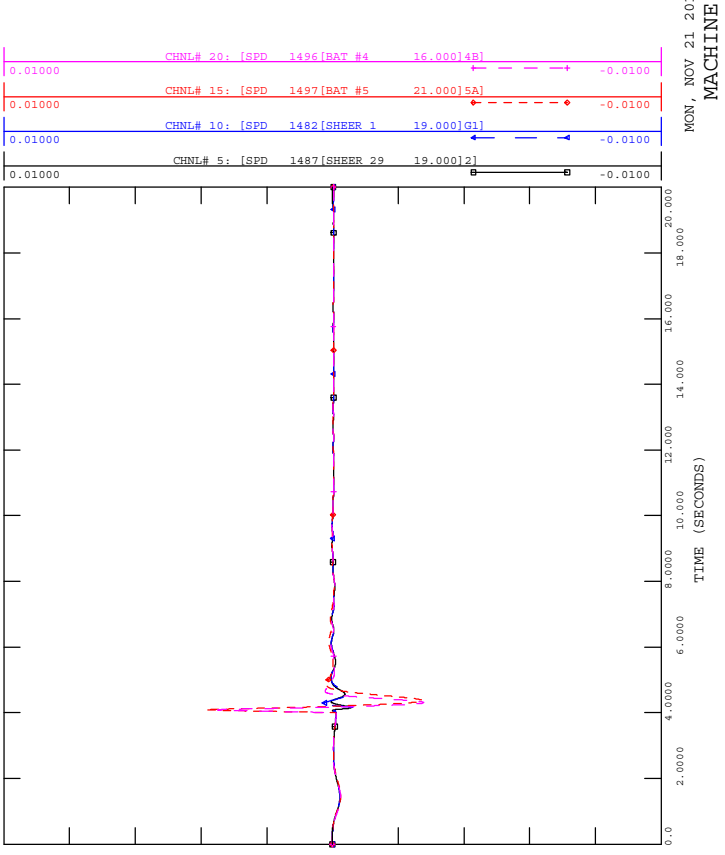


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 12:57

MACHINE SPEED

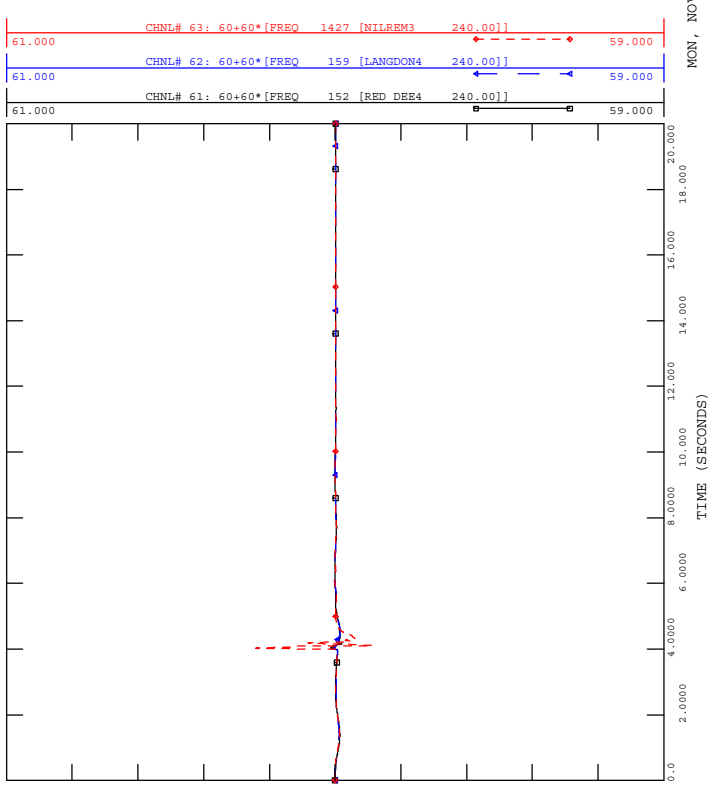


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

MON, NOV 21 2016 12:57

FREQUENCY

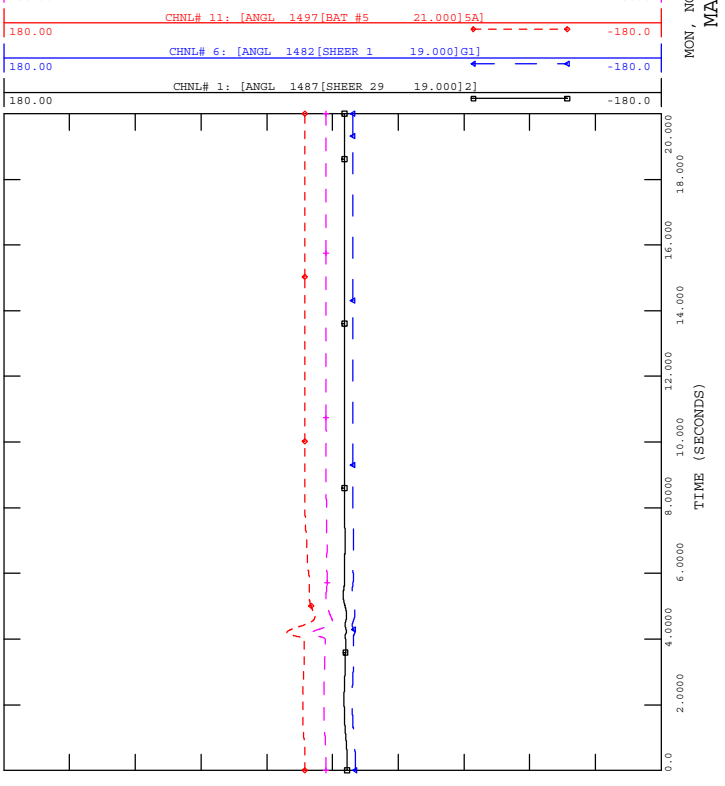


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o

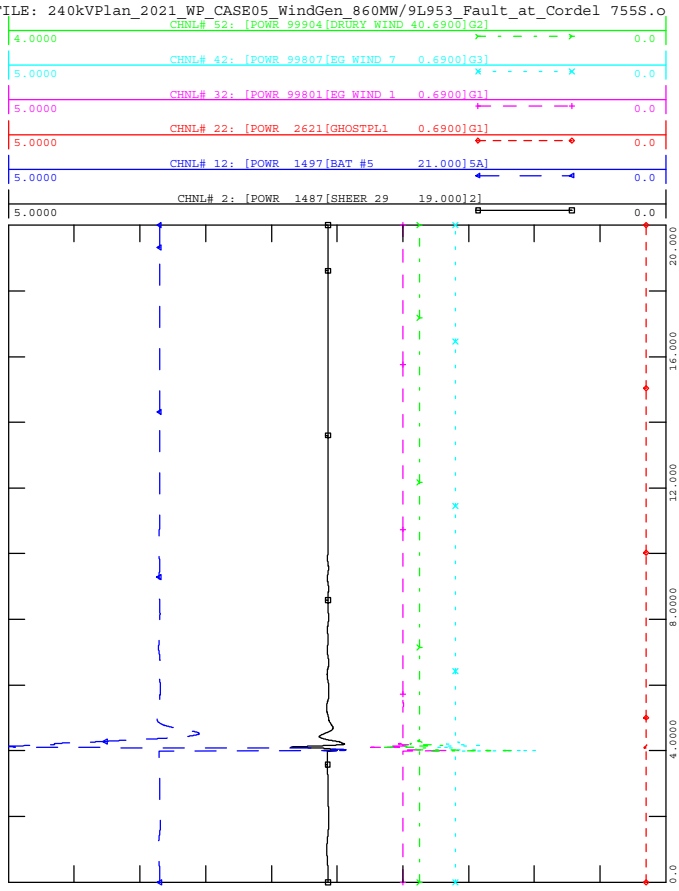
MON, NOV 21 2016 12:57

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

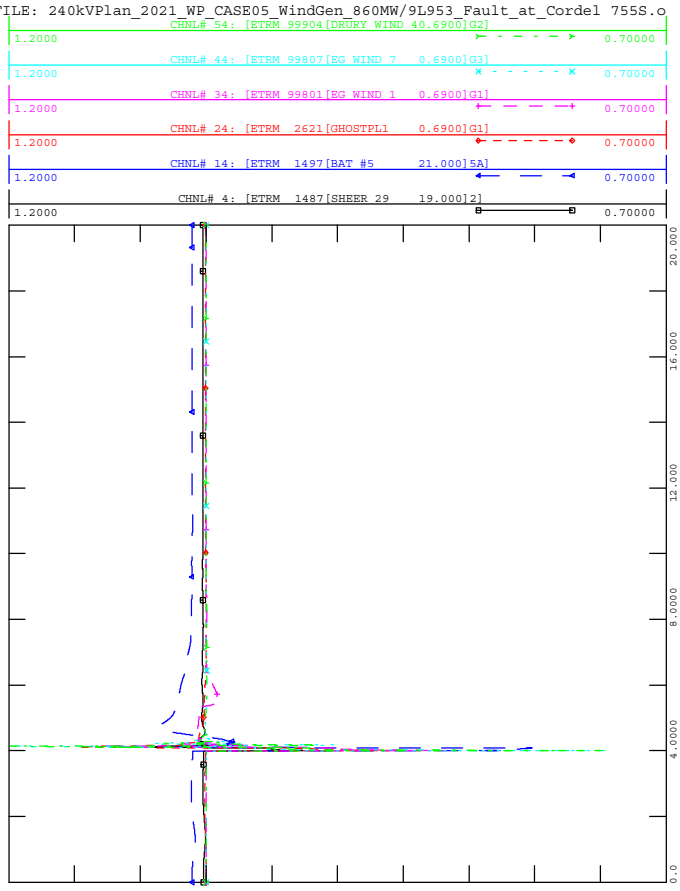
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o



MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

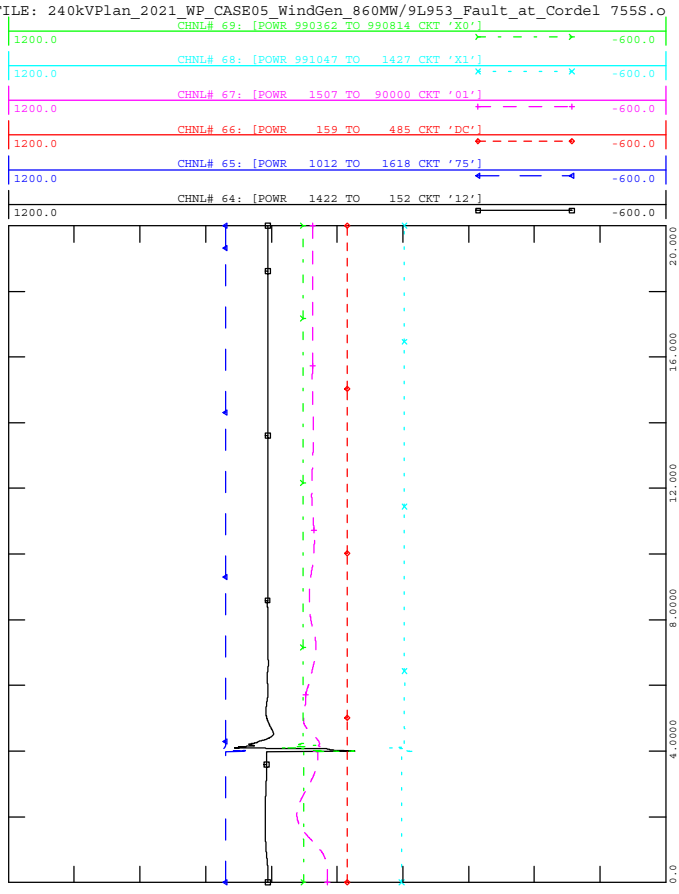
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o



MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

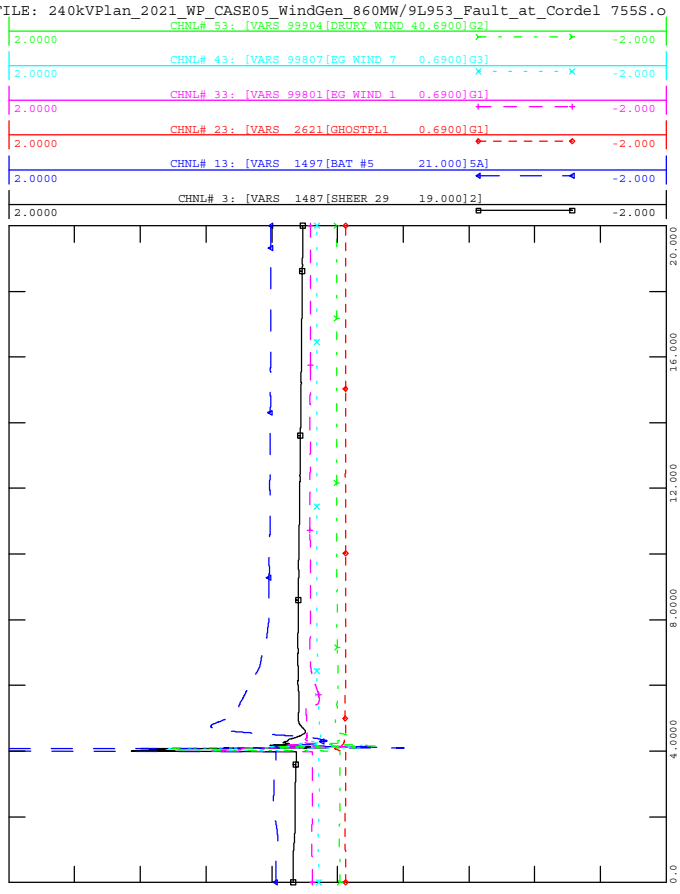
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o



MON, NOV 21 2016 12:57
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L953_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_Fault_at_Cordel 755S.o



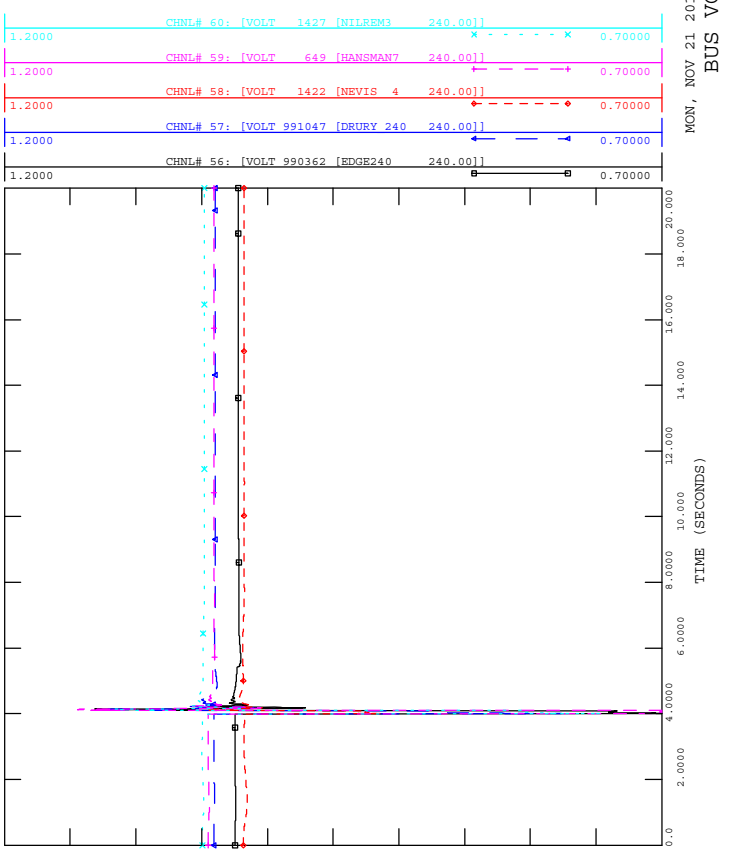
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 12:57

BUS VOLTAGE

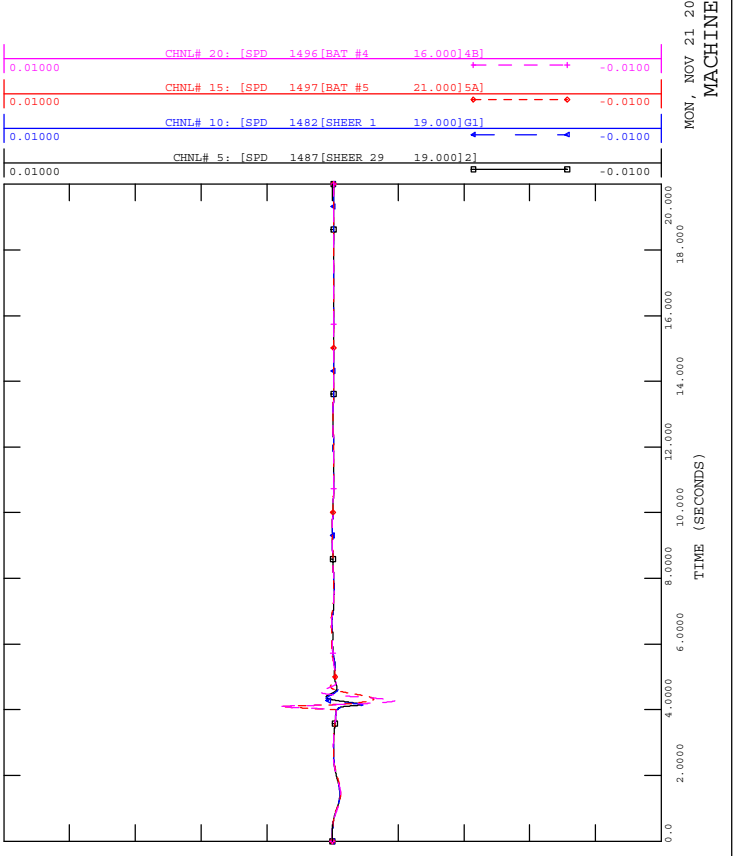


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 12:57

MACHINE SPEED

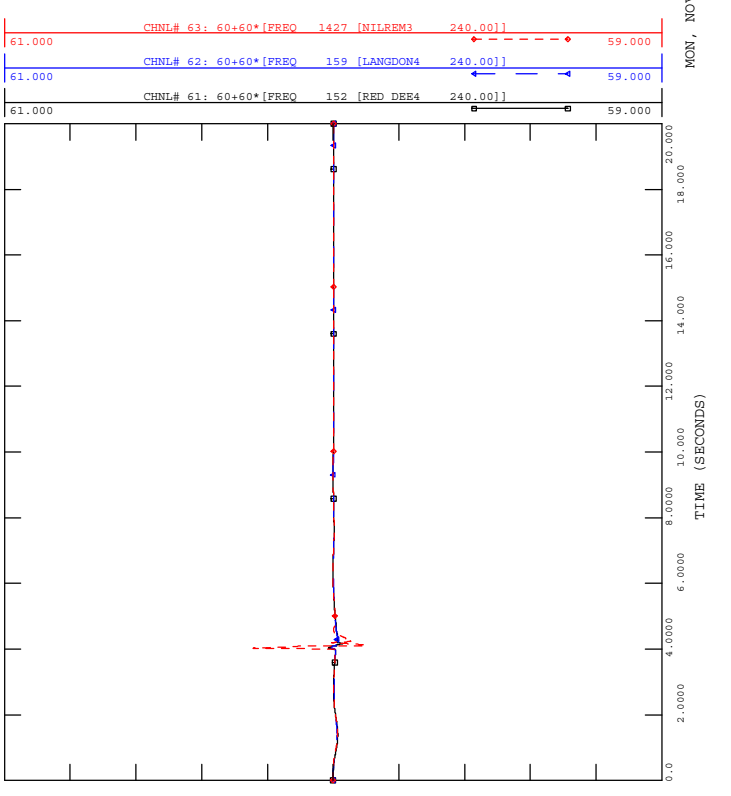


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

MON, NOV 21 2016 12:57

FREQUENCY

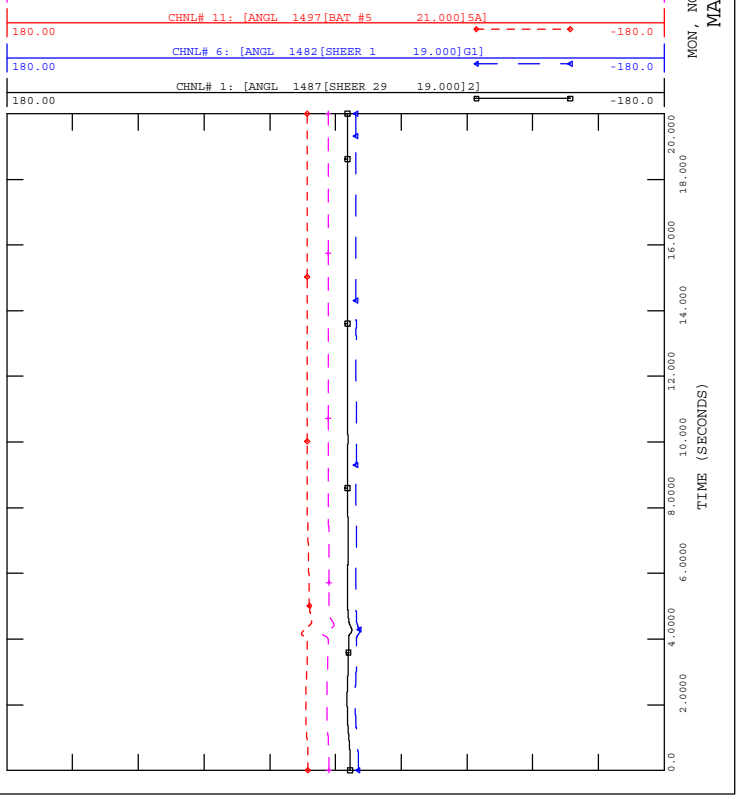


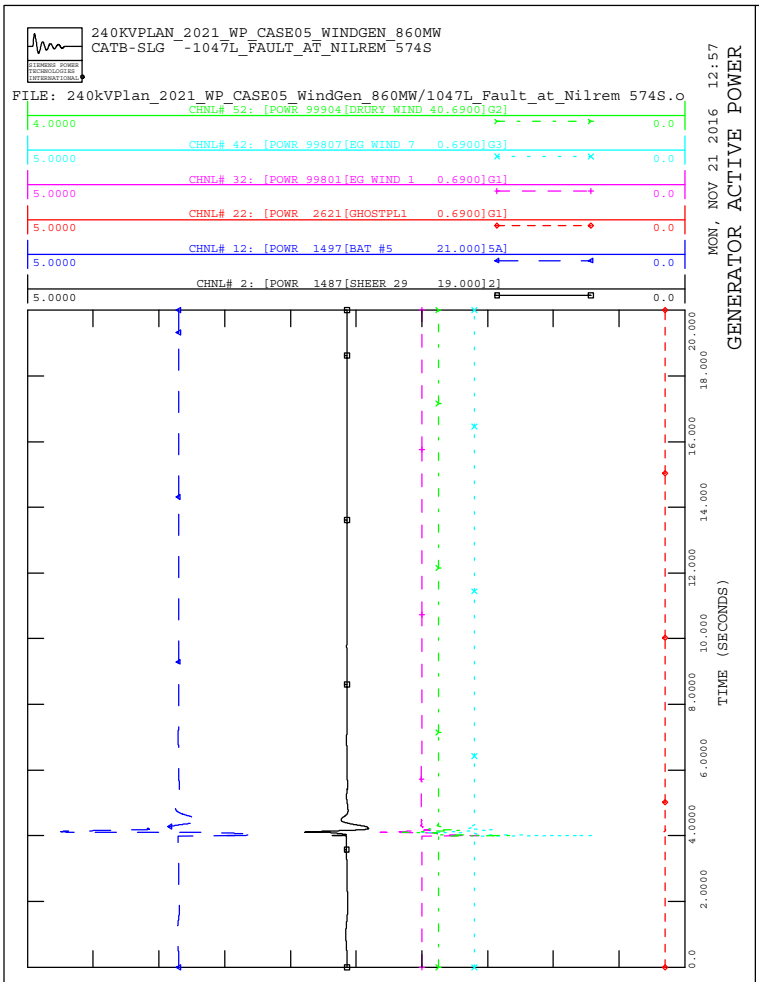
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S

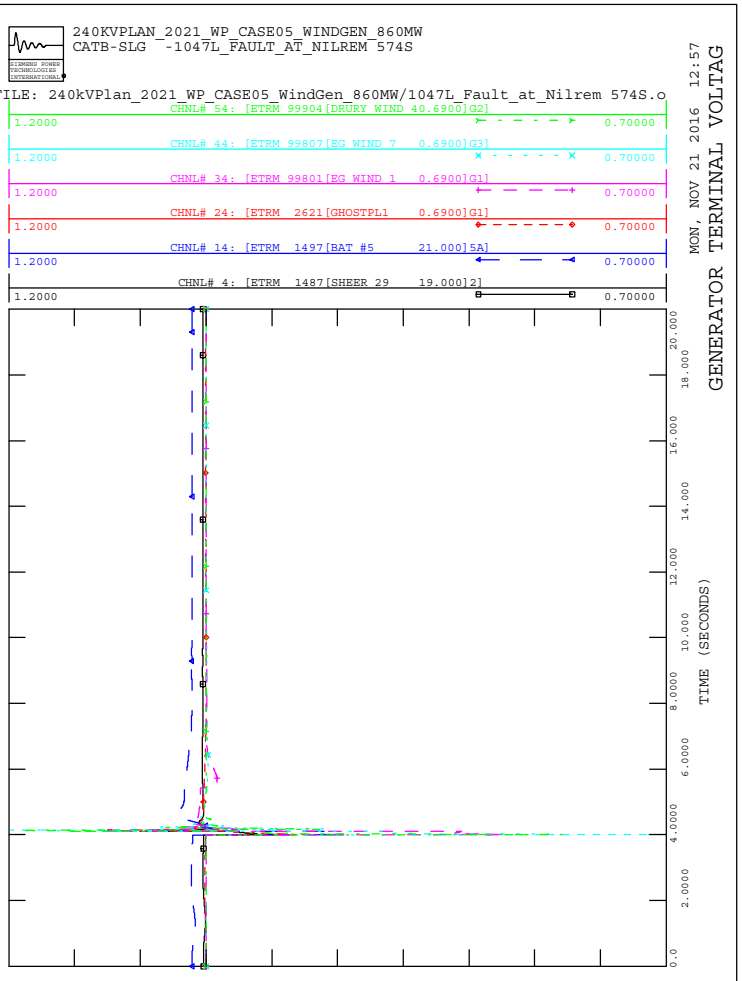
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o

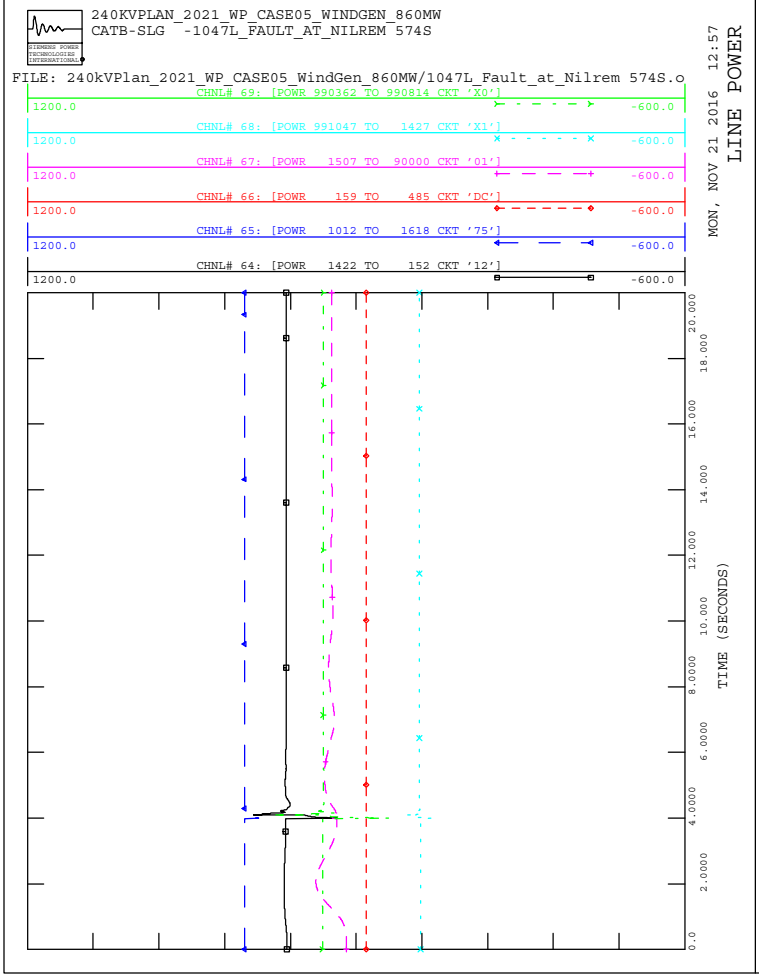
MON, NOV 21 2016 12:57

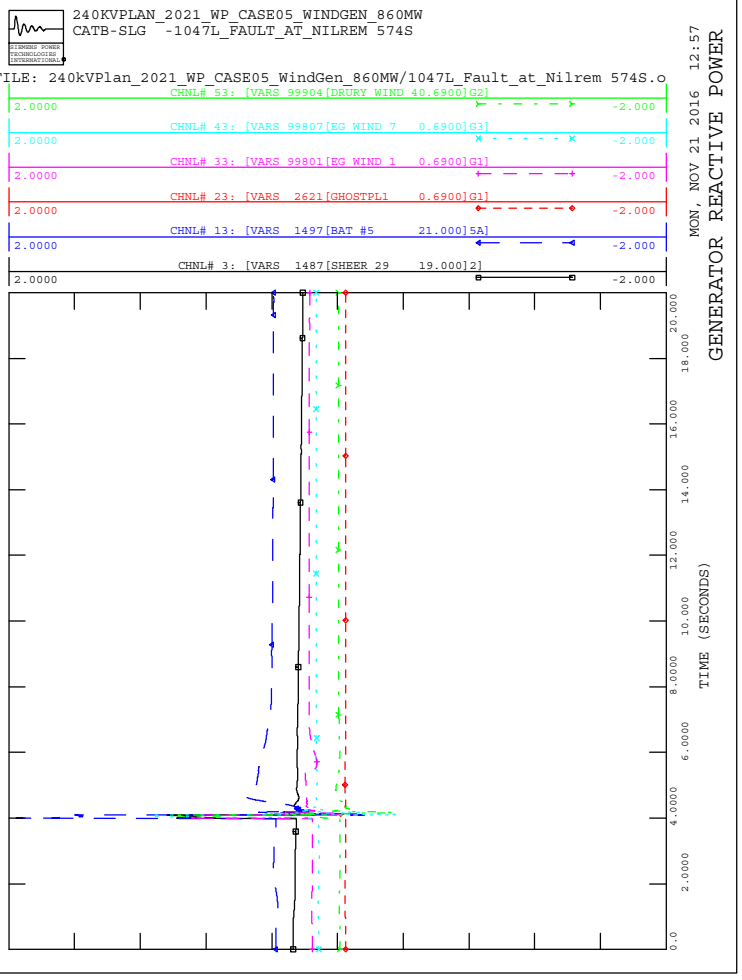
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR ACTIVE POWER
TIME (SECONDS)

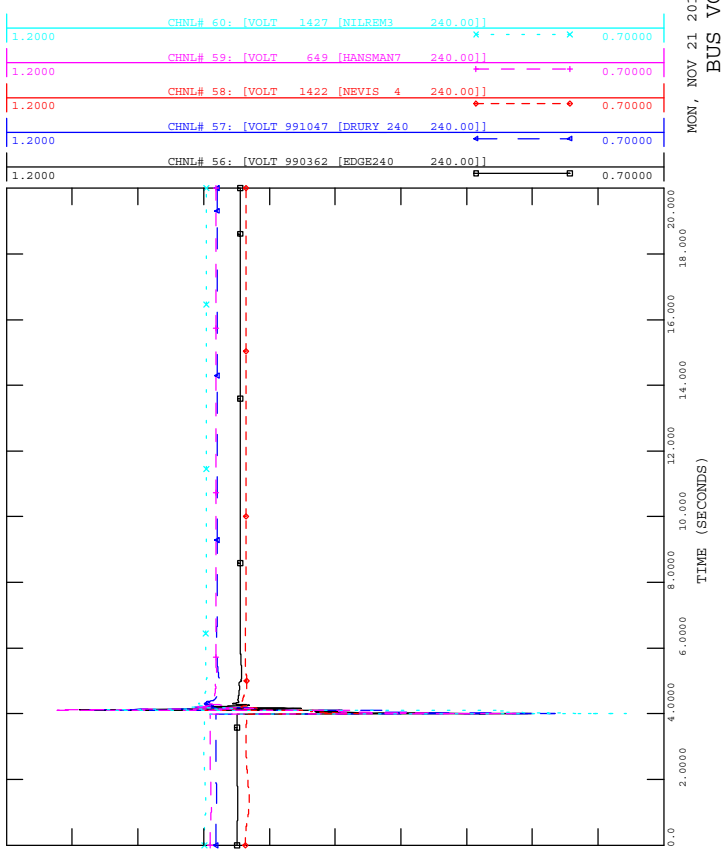

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:57
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Nilrem 574S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:57
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

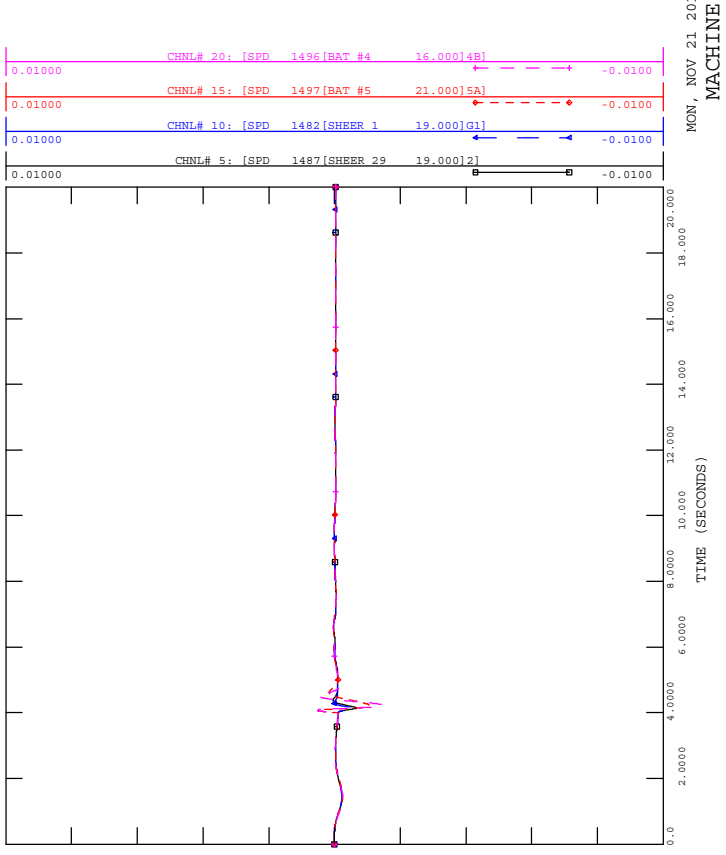
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake



MON, NOV 21 2016 12:57
BUS VOLTAGE

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

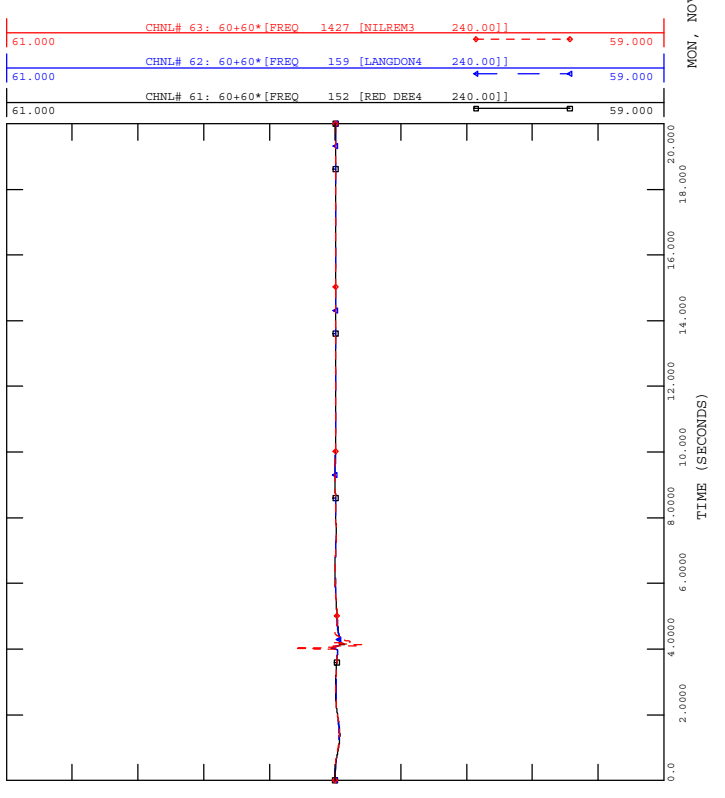
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake



MON, NOV 21 2016 12:58
MACHINE SPEED

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

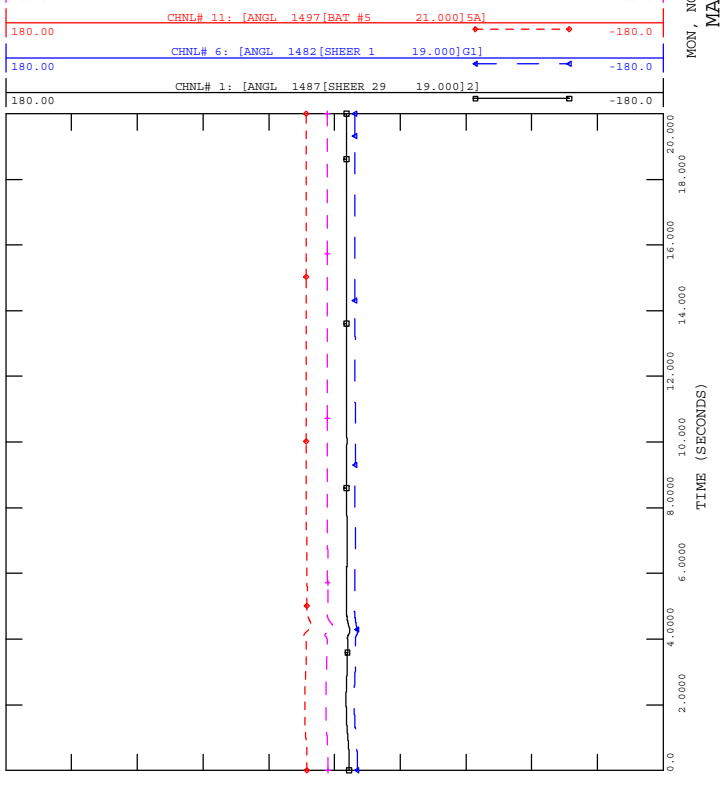
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake



MON, NOV 21 2016 12:57
FREQUENCY

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

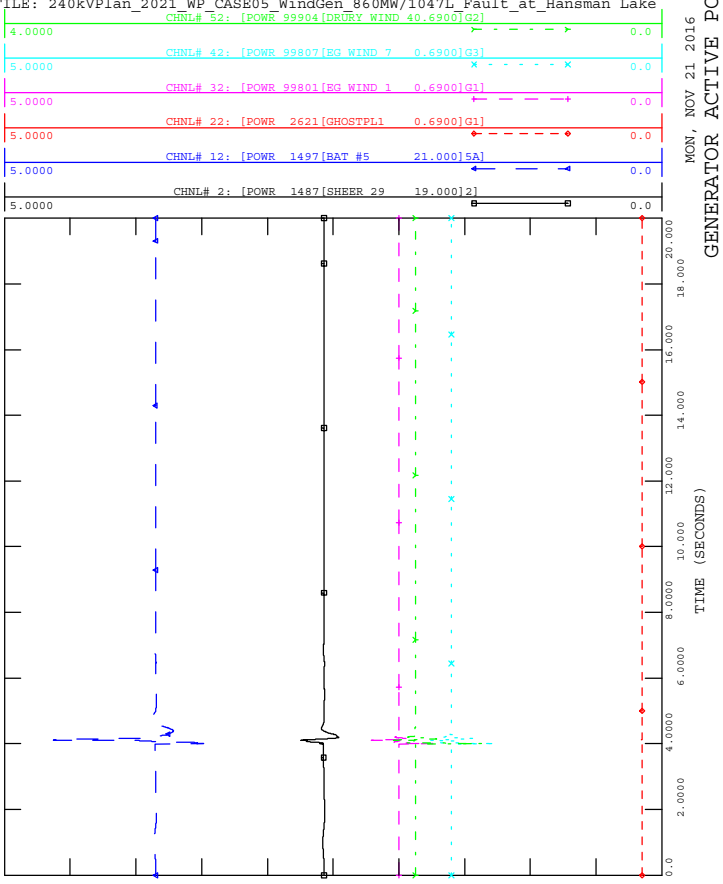
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake



MON, NOV 21 2016 12:57
MACHINE ANGEL

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

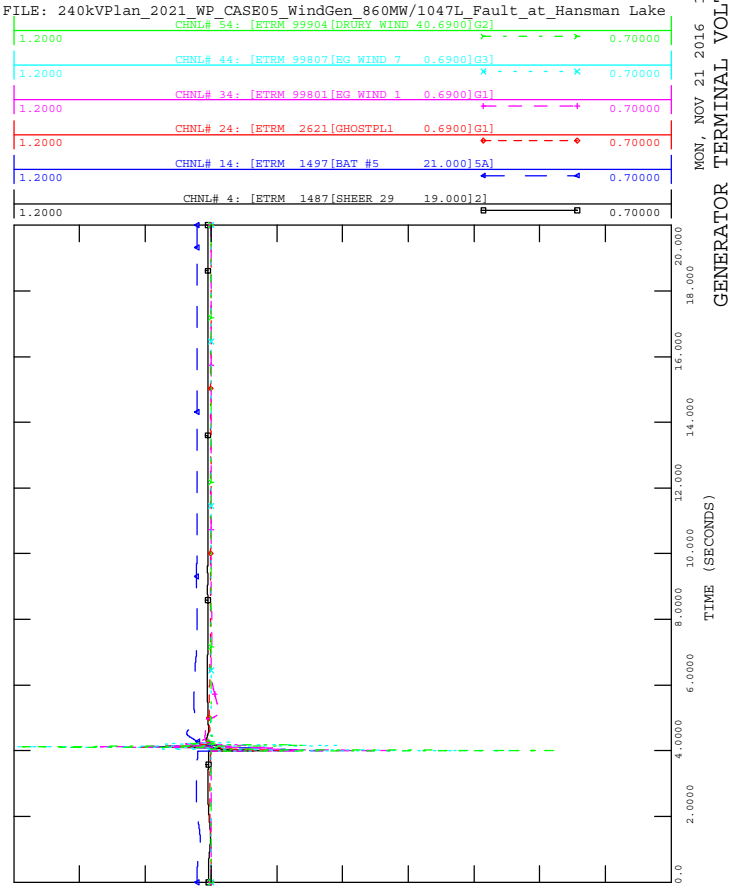
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

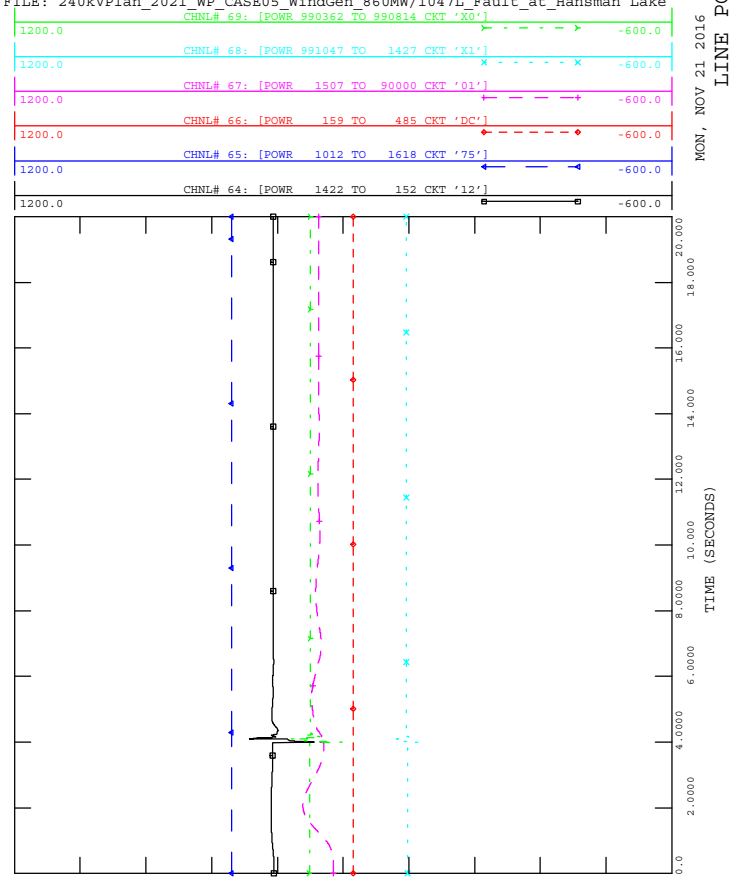
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

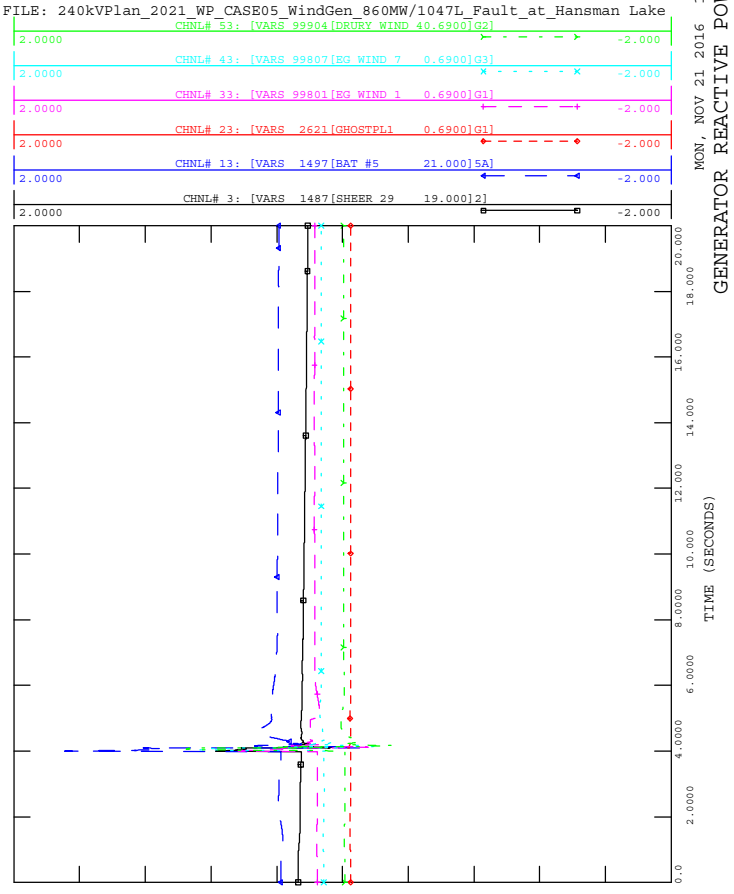
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake



LINE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -1047L_FAULT_AT_HANSMAN LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_Fault_at_Hansman Lake



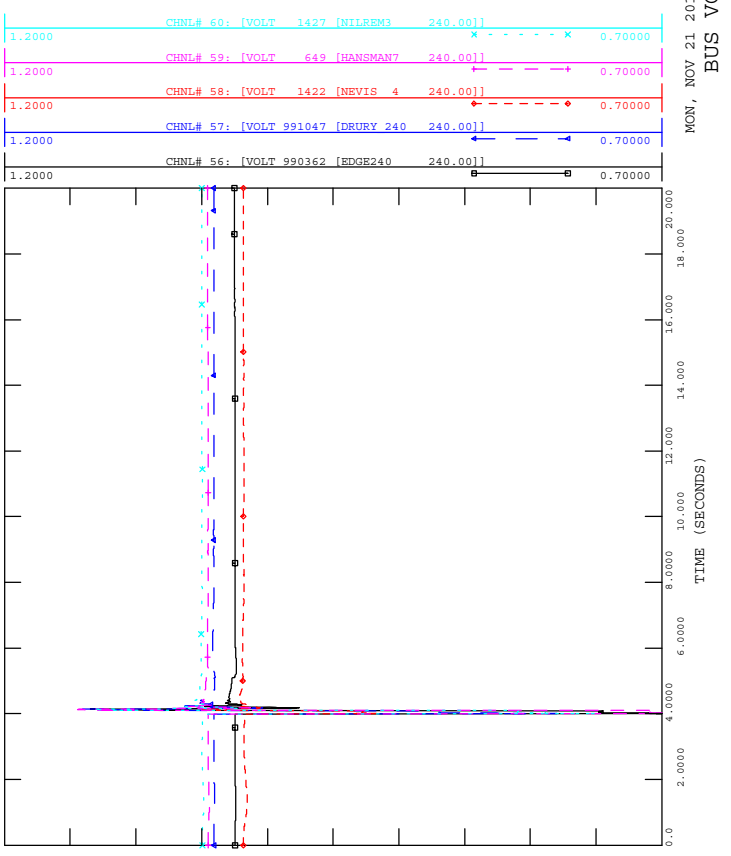
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:58

BUS VOLTAGE

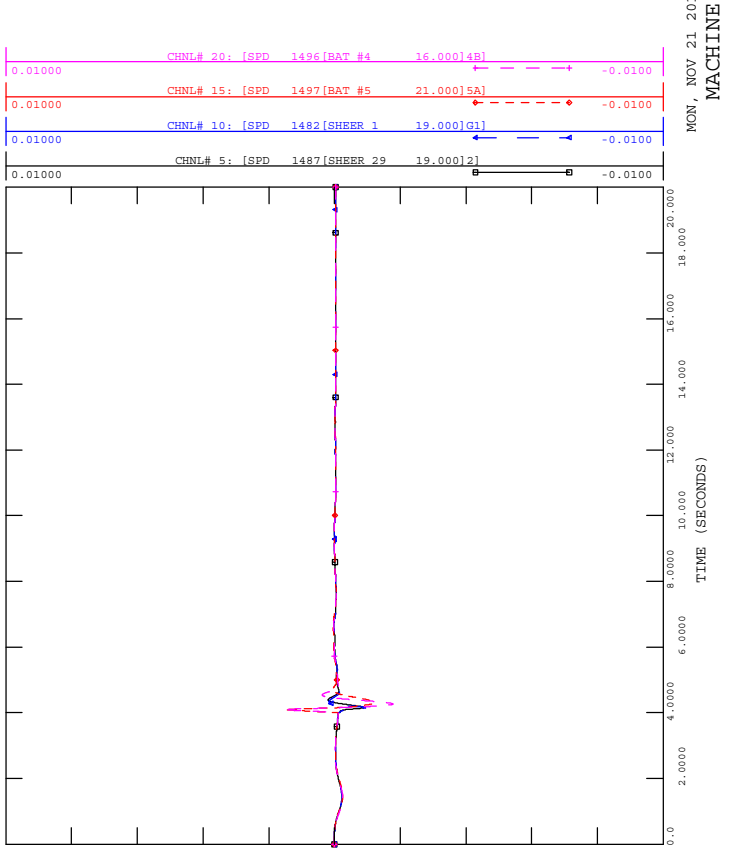


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:58

MACHINE SPEED

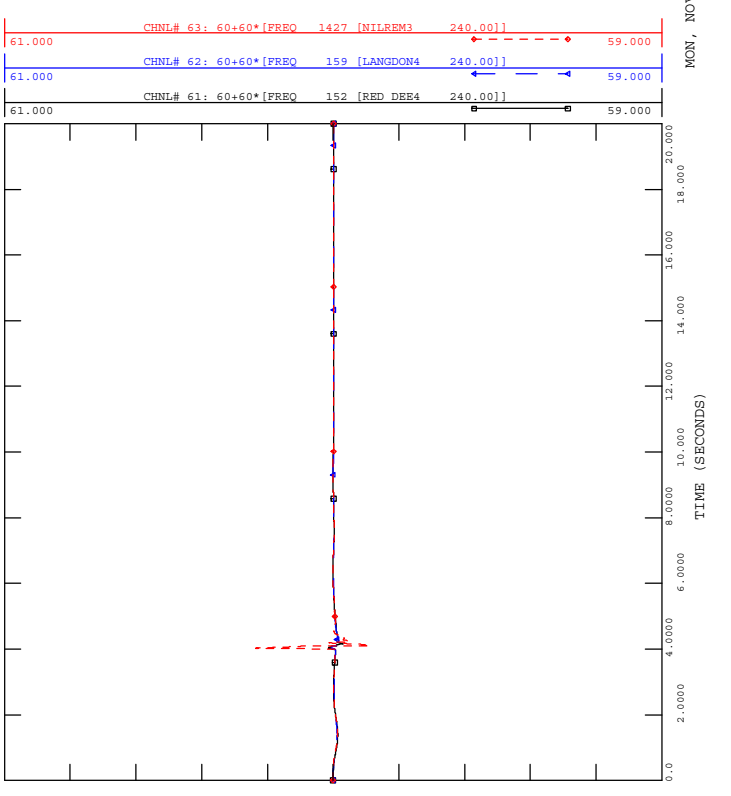


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

MON, NOV 21 2016 12:58

FREQUENCY

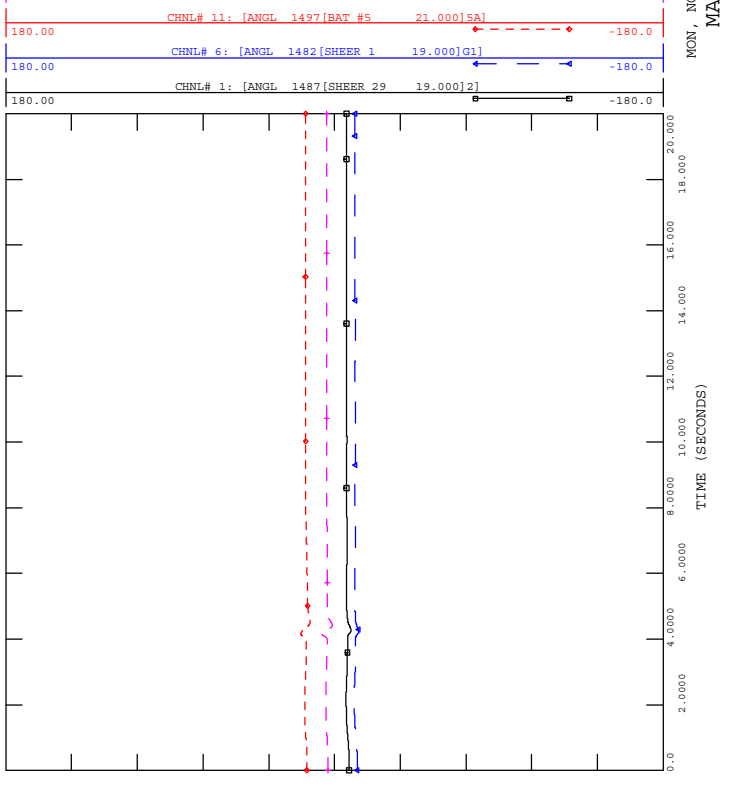


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

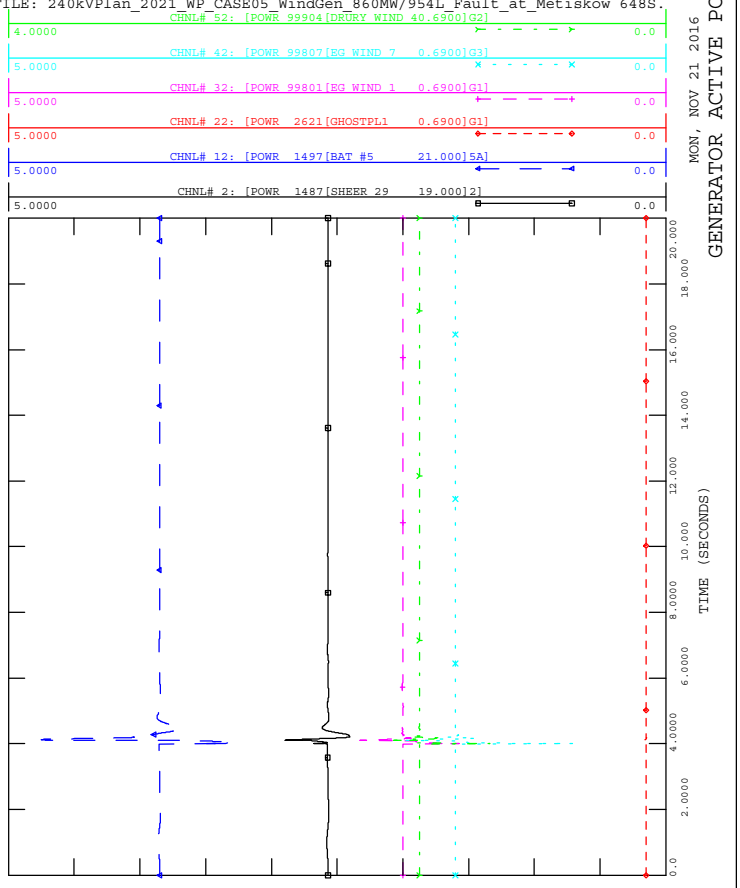
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

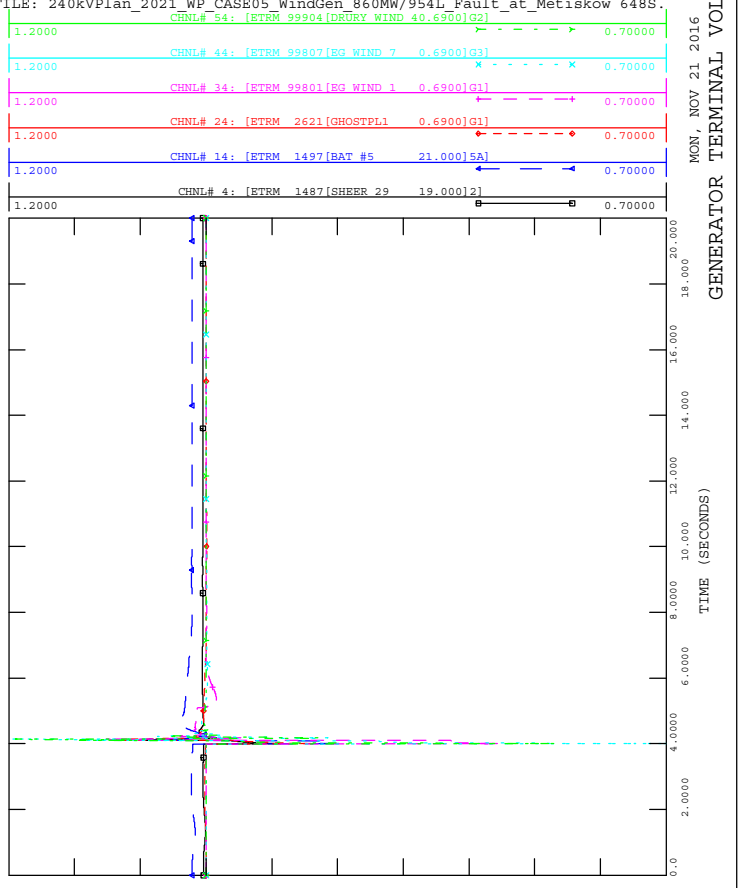


MON, NOV 21 2016 12:58

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

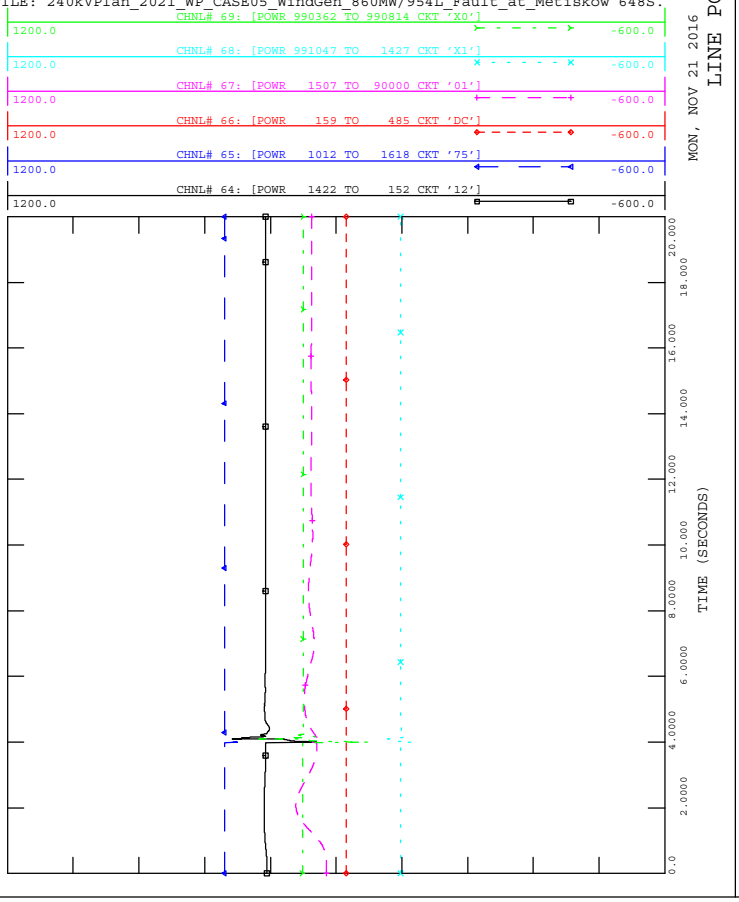


MON, NOV 21 2016 12:58

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.

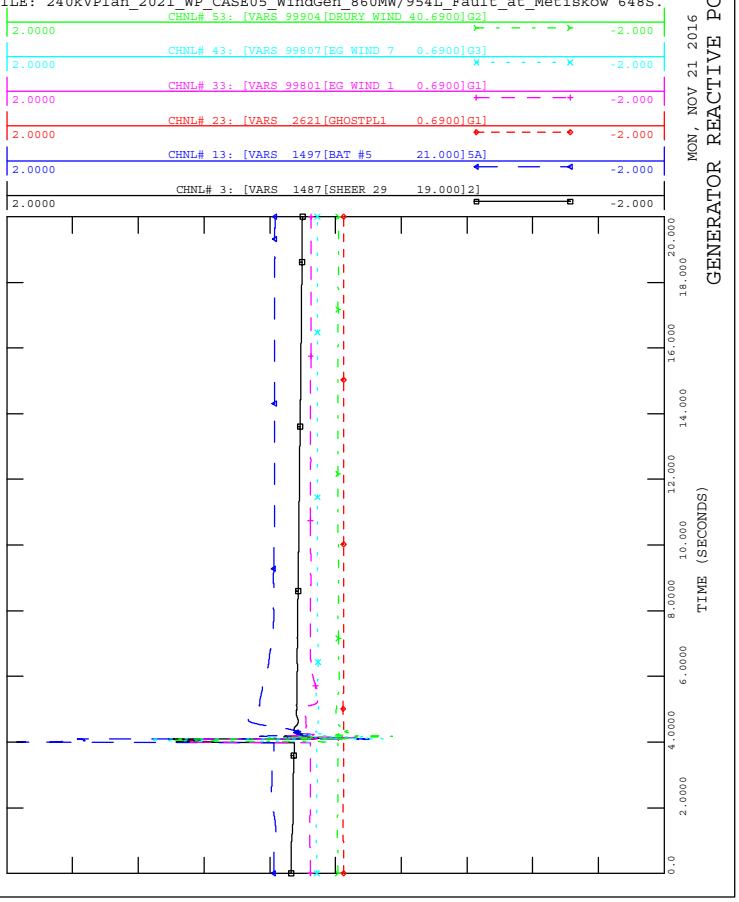


MON, NOV 21 2016 12:58

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_METISKOW 648S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Metiskow 648S.



MON, NOV 21 2016 12:58

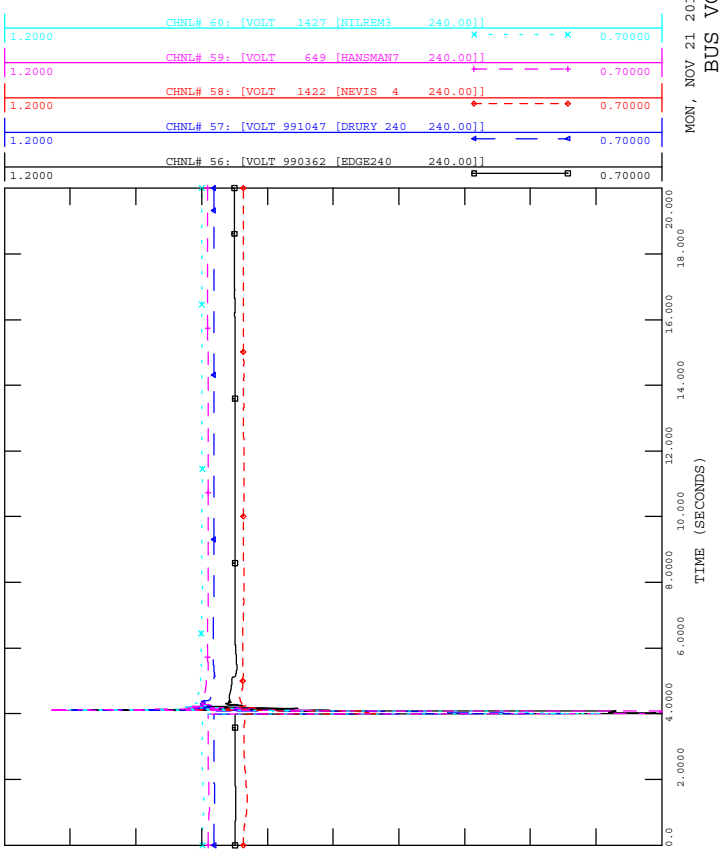
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 12:58

BUS VOLTAGE

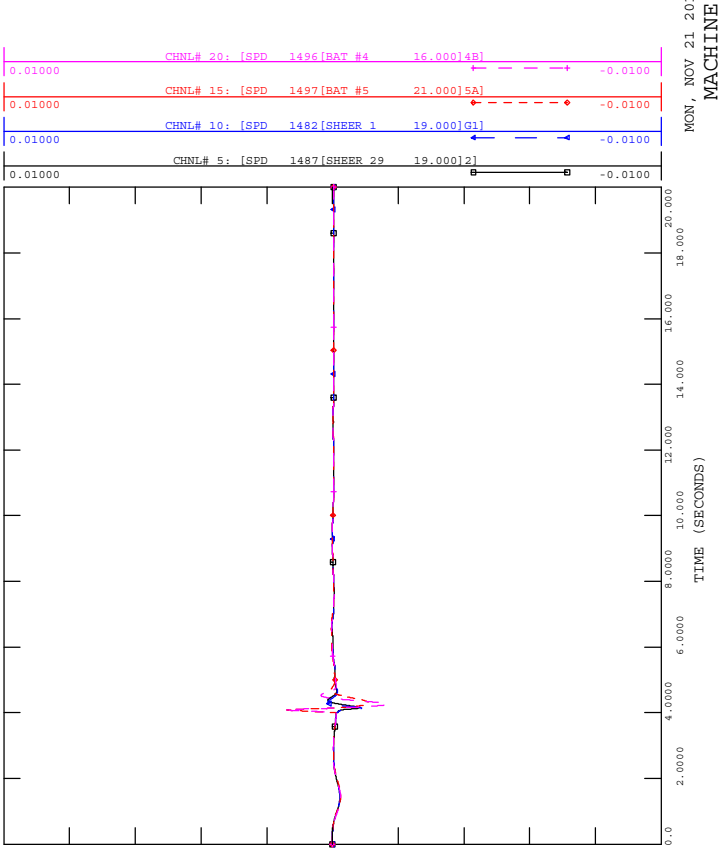


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 12:58

MACHINE SPEED

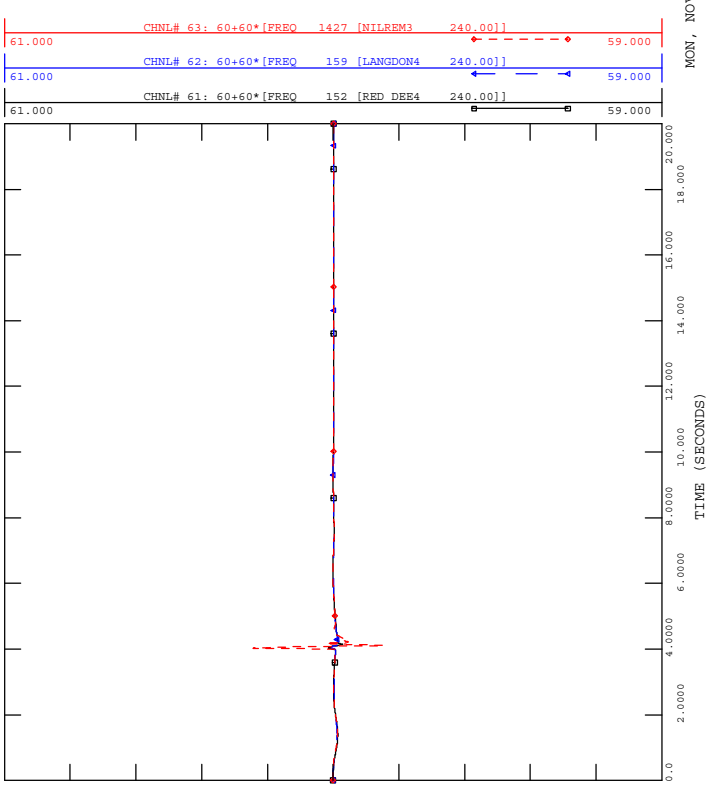


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman Lake 6

MON, NOV 21 2016 12:58

FREQUENCY

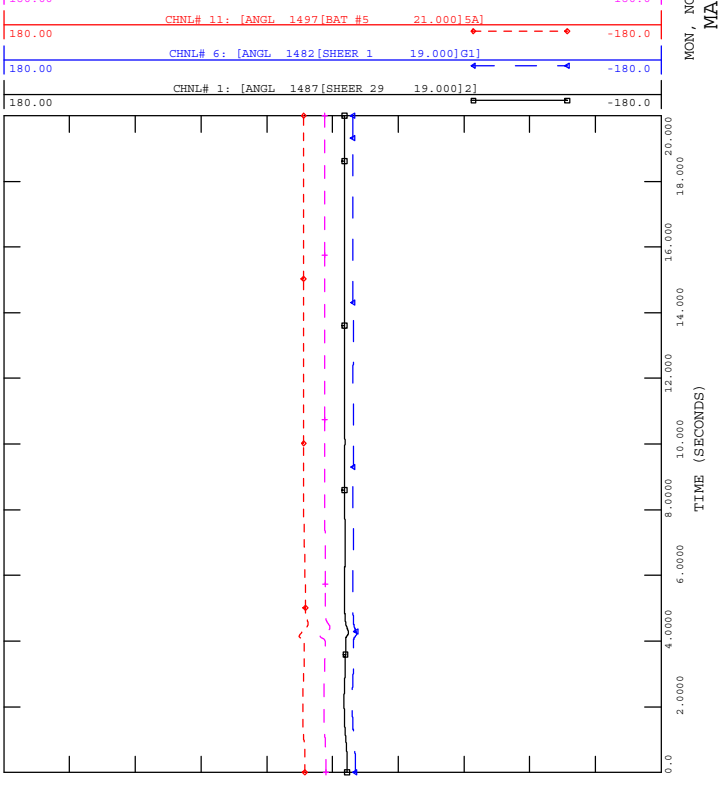


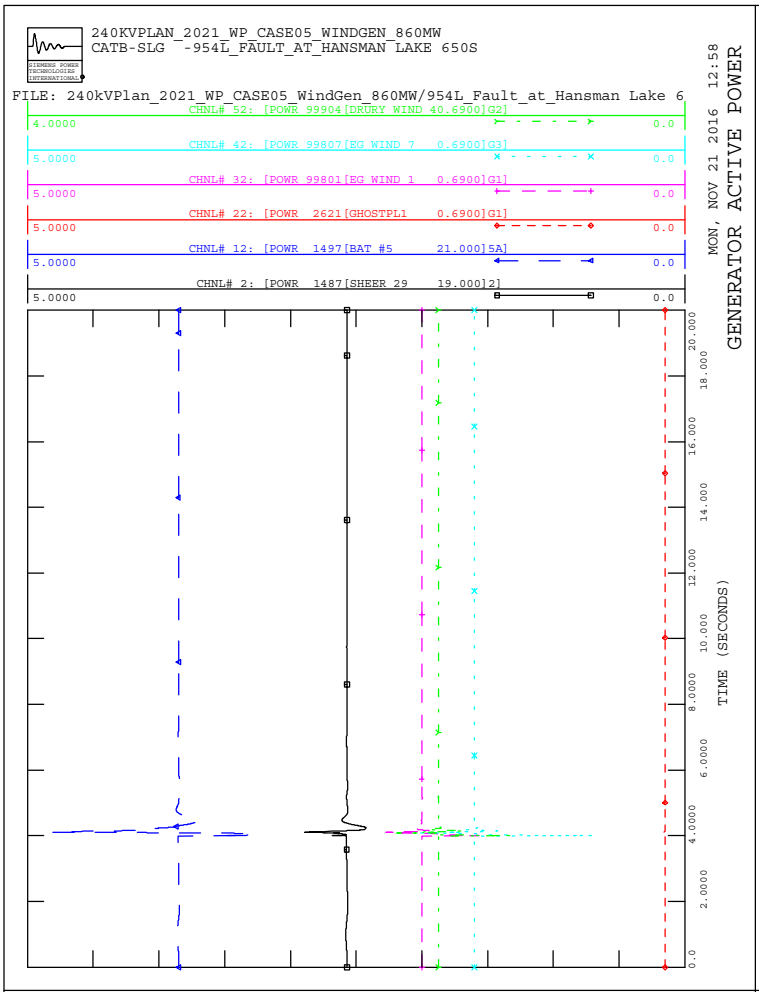
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S

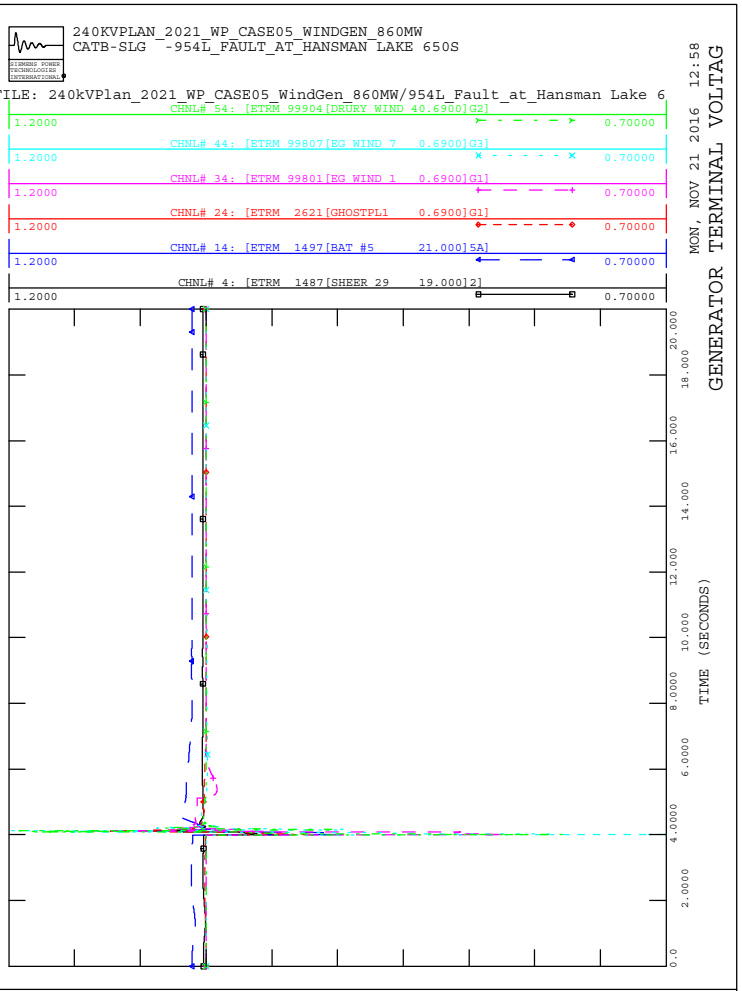
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman Lake 6

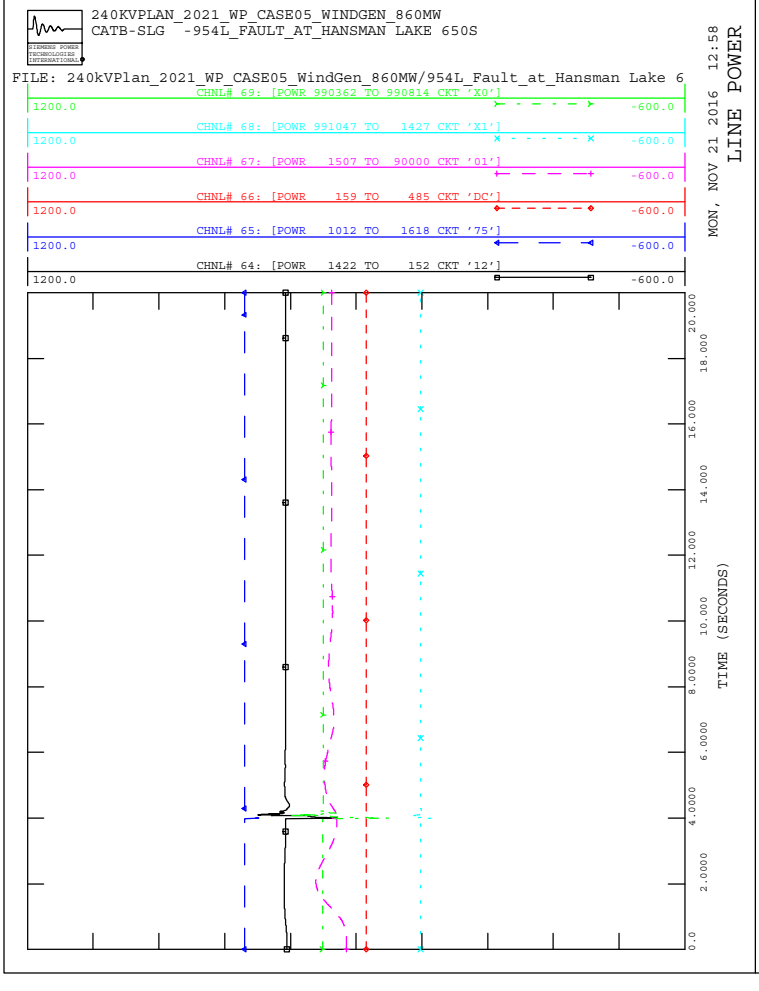
MON, NOV 21 2016 12:58

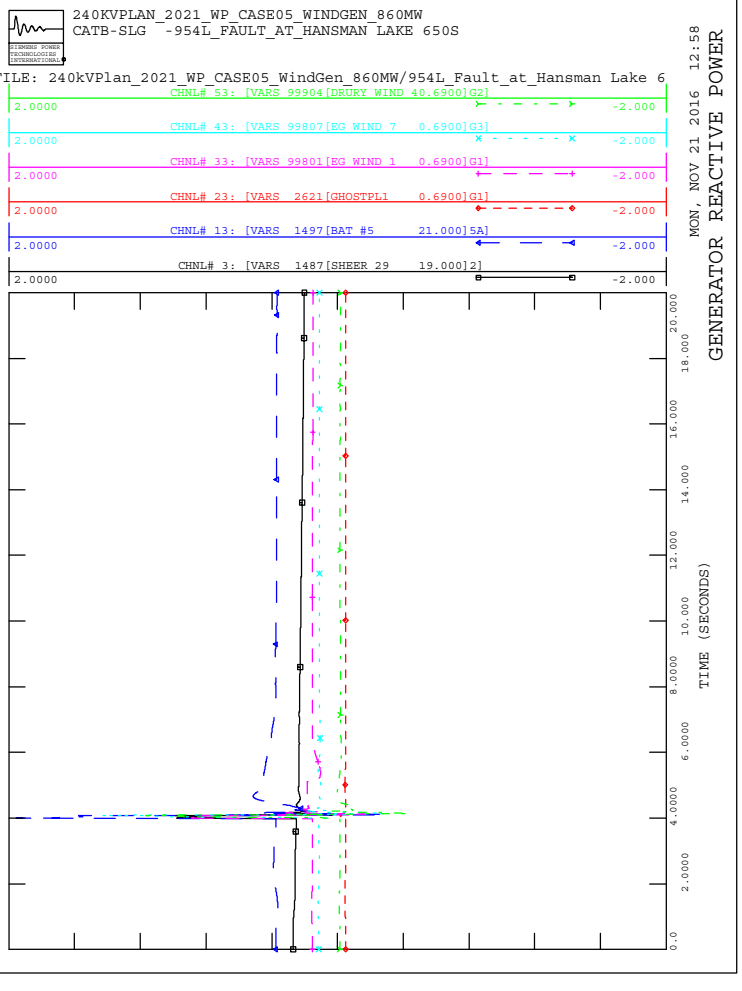
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman Lake 6
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman Lake 6
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman Lake 6
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)

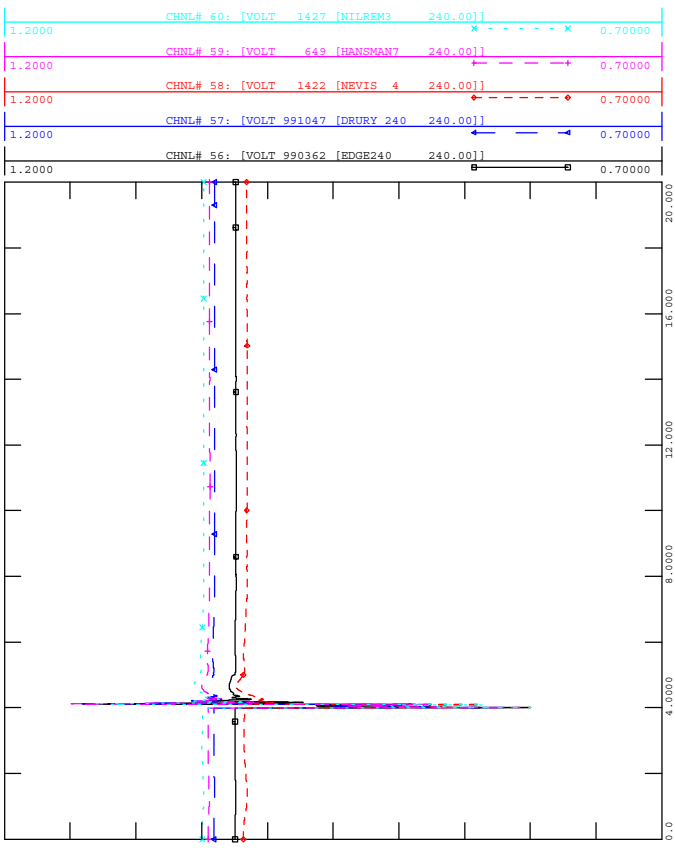

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -954L_FAULT_AT_HANSMAN_LAKE 650S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_Fault_at_Hansman Lake 6
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 12:58

BUS VOLTAGE

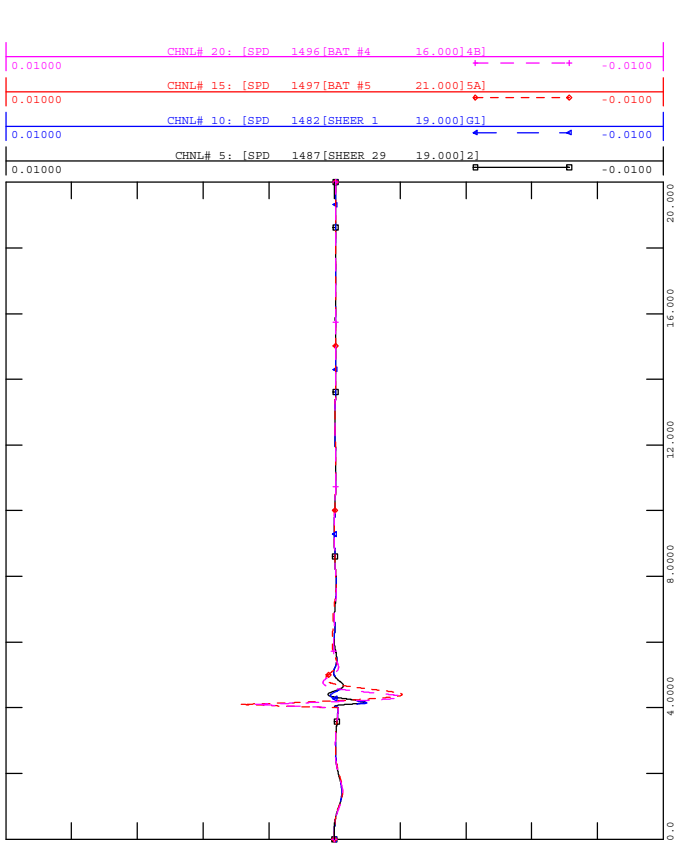


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 12:58

MACHINE SPEED

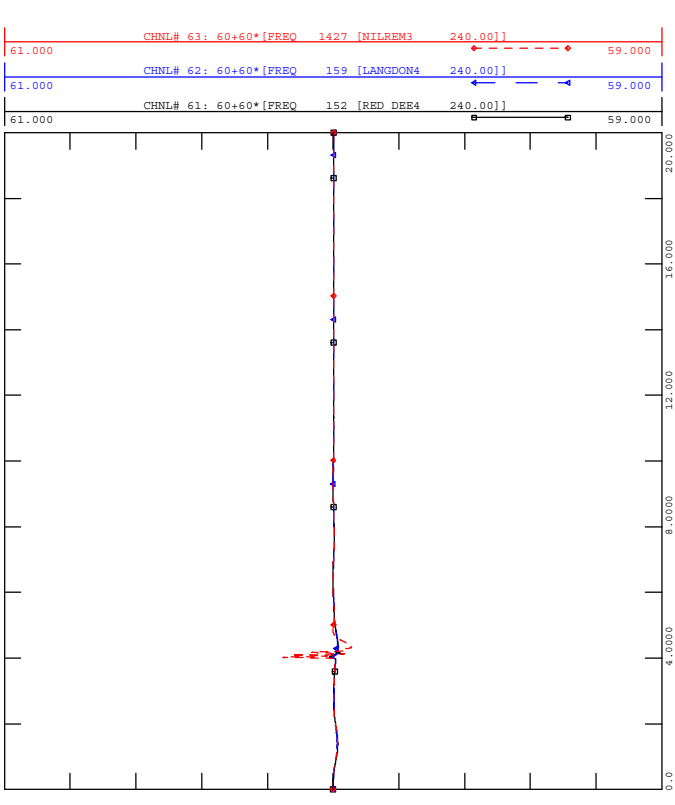


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972

MON, NOV 21 2016 12:58

FREQUENCY

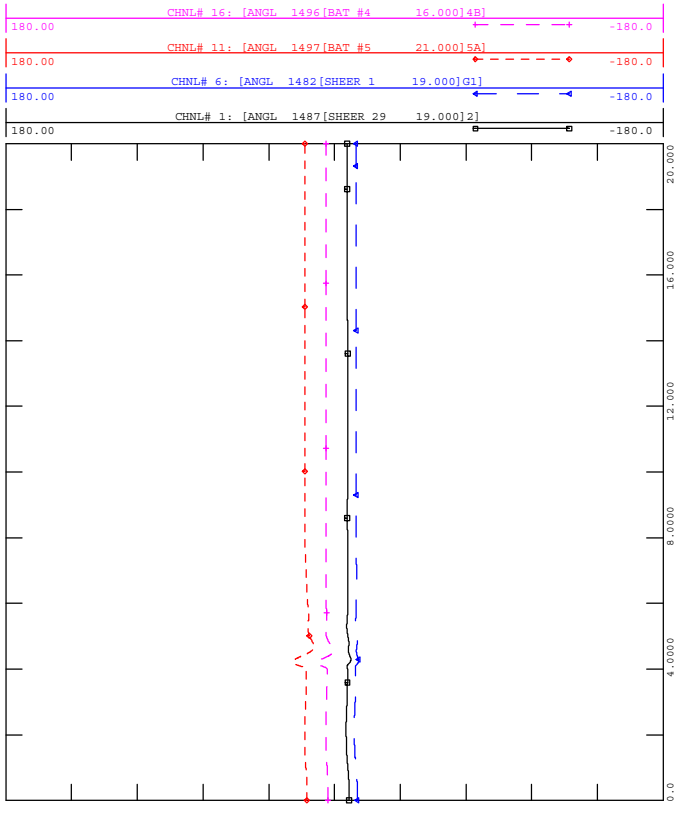


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972

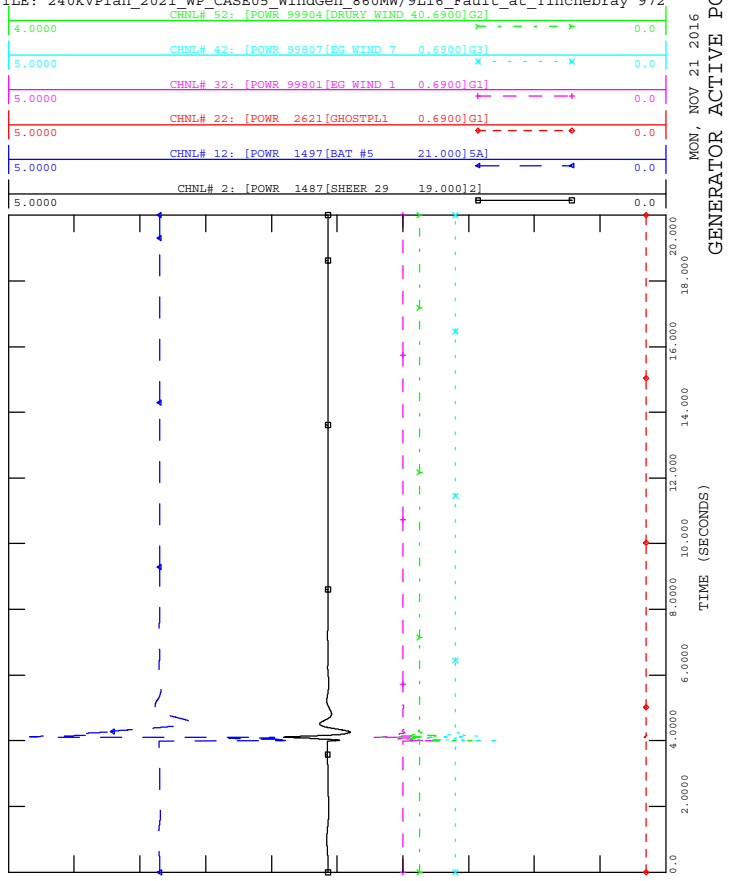
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

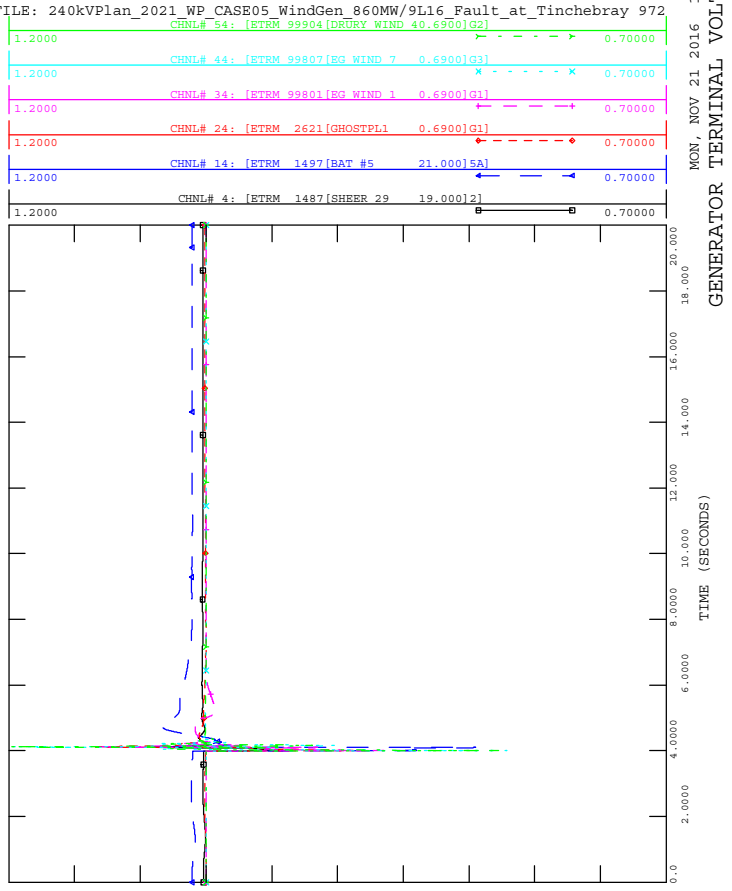
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

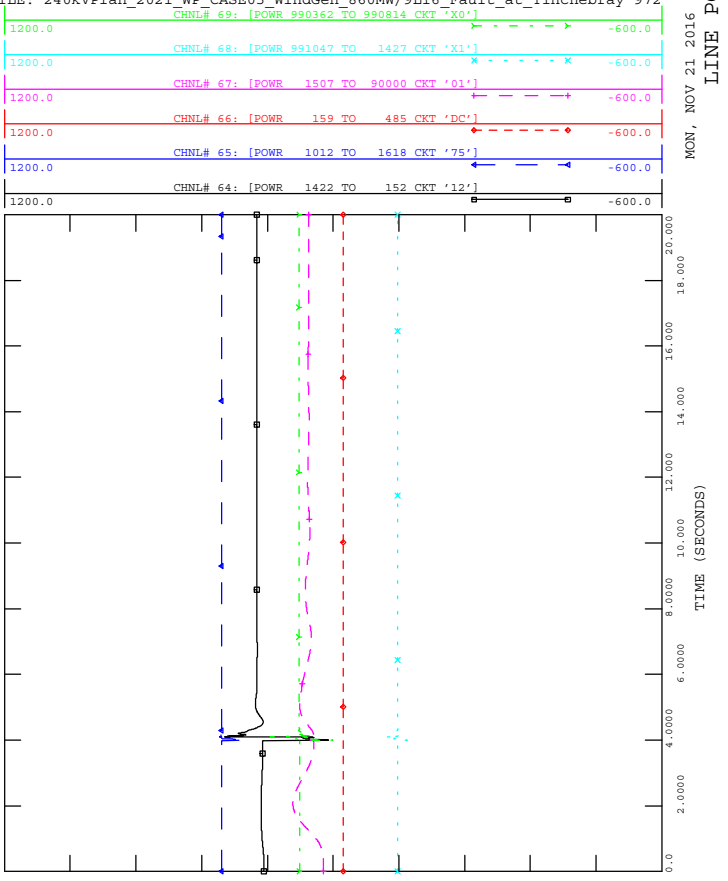
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

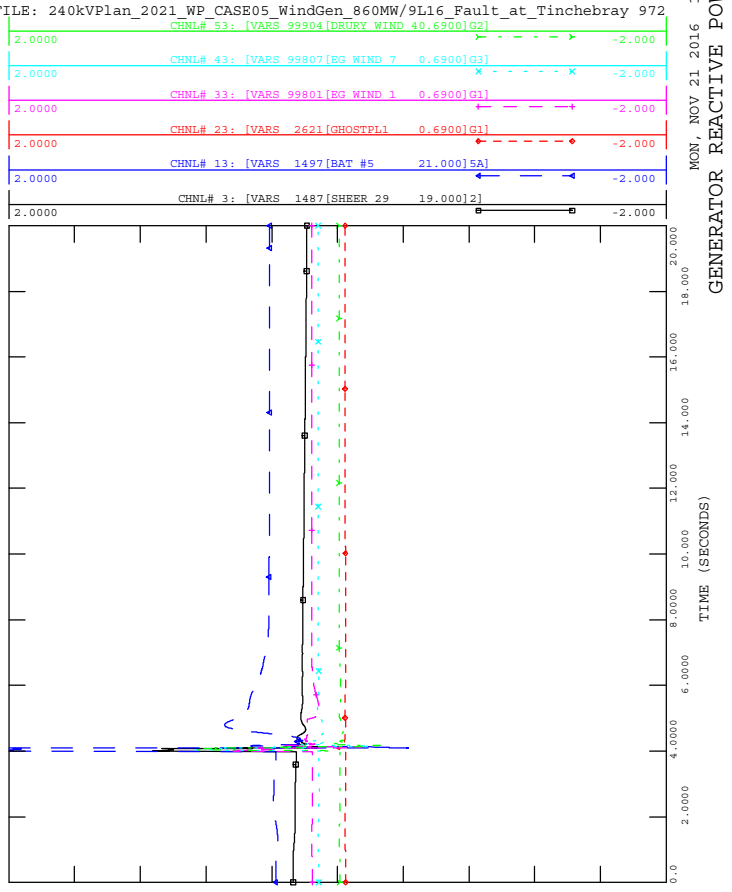
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972



LINE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Tinchebray 972



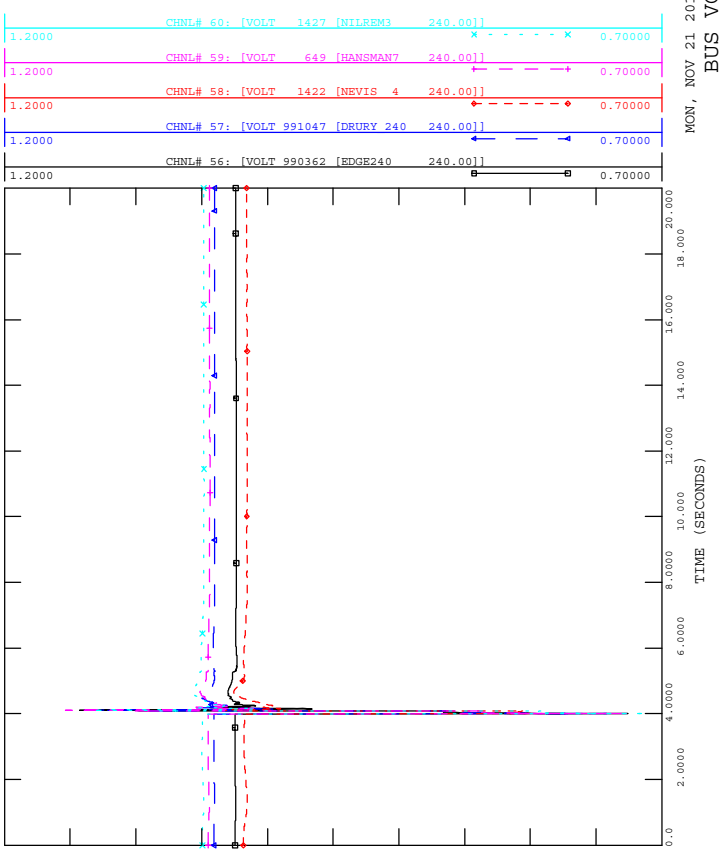
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

BUS VOLTAGE

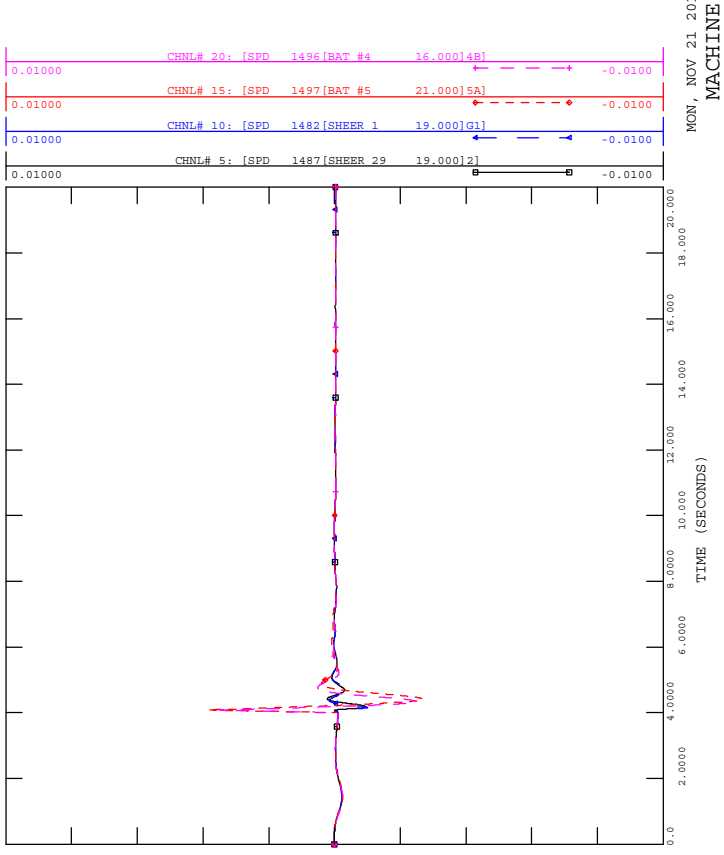


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

MACHINE SPEED

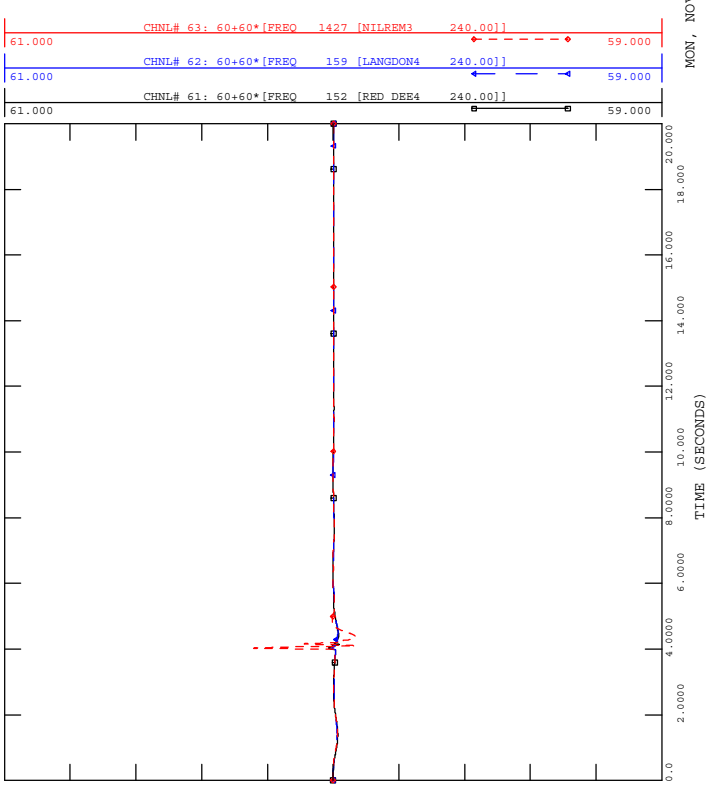


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

FREQUENCY

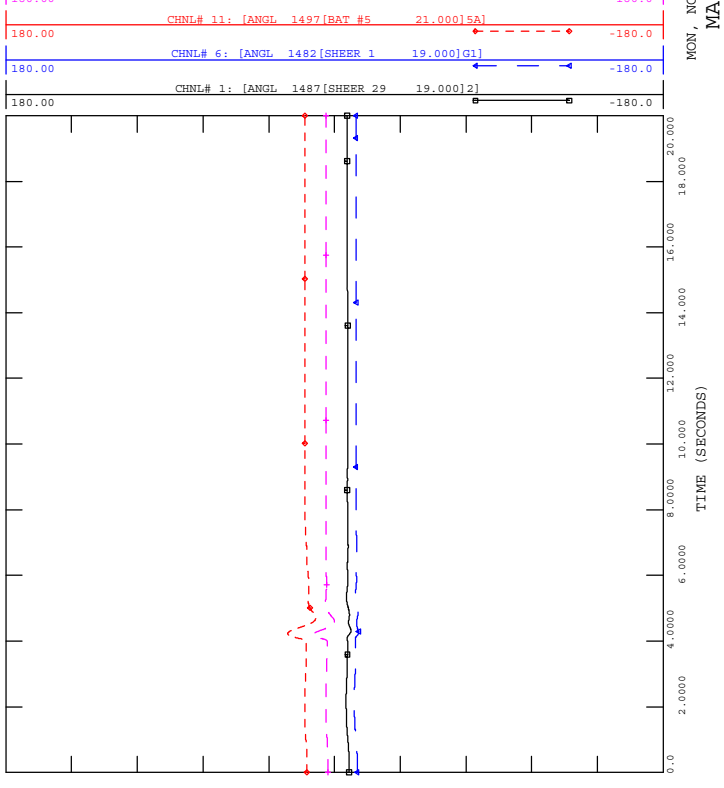


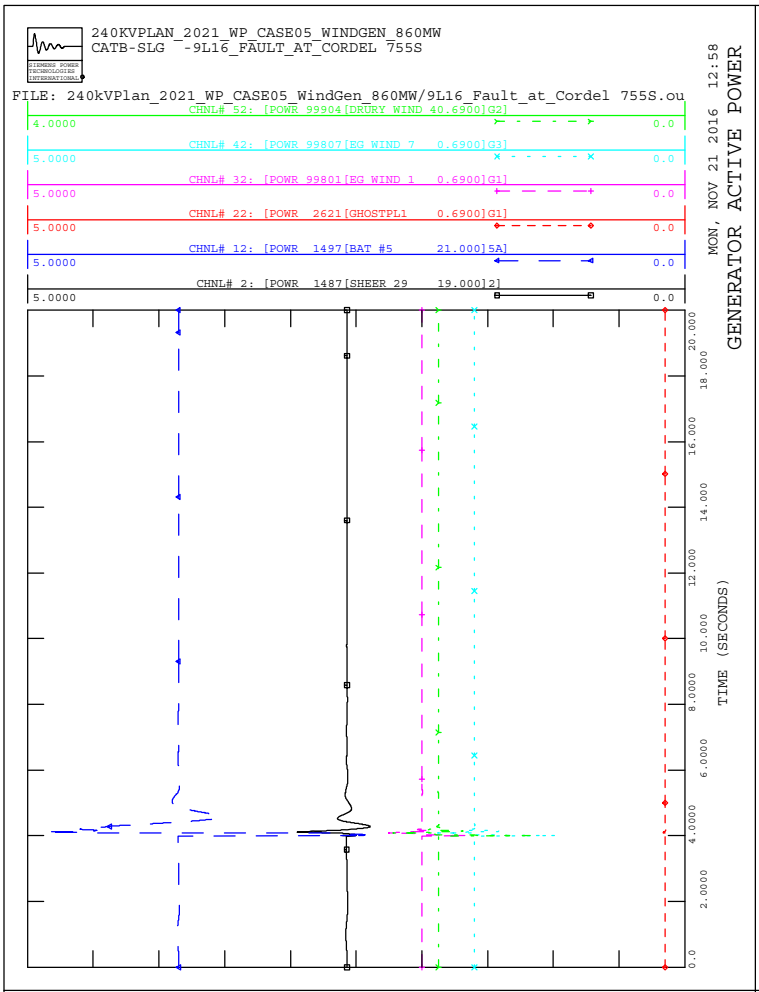
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S

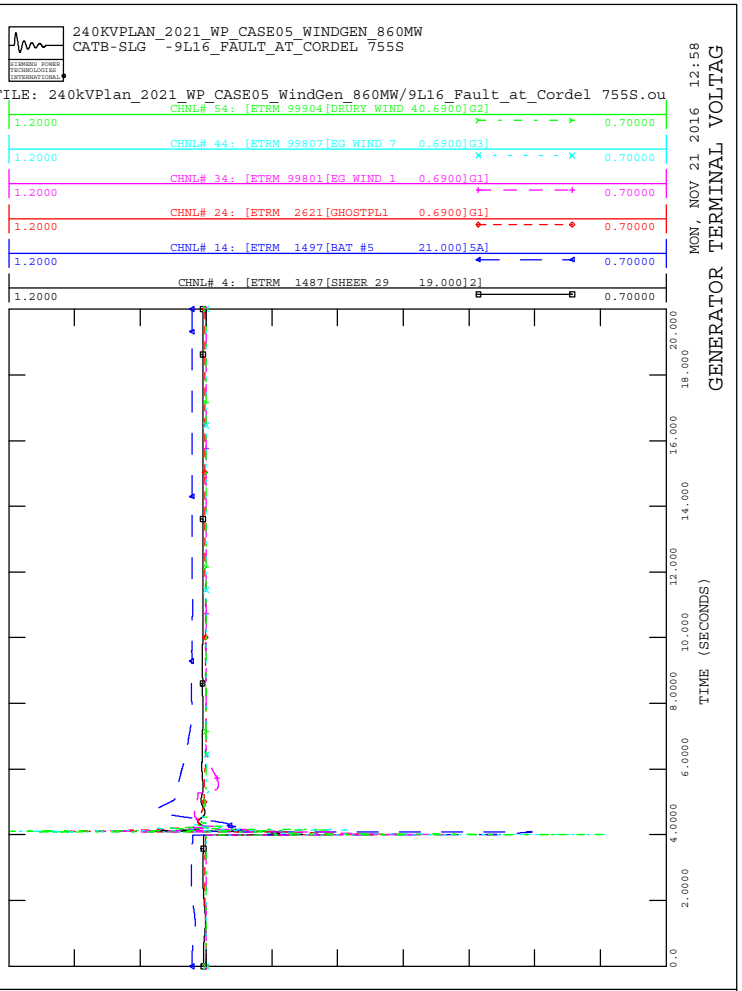
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou

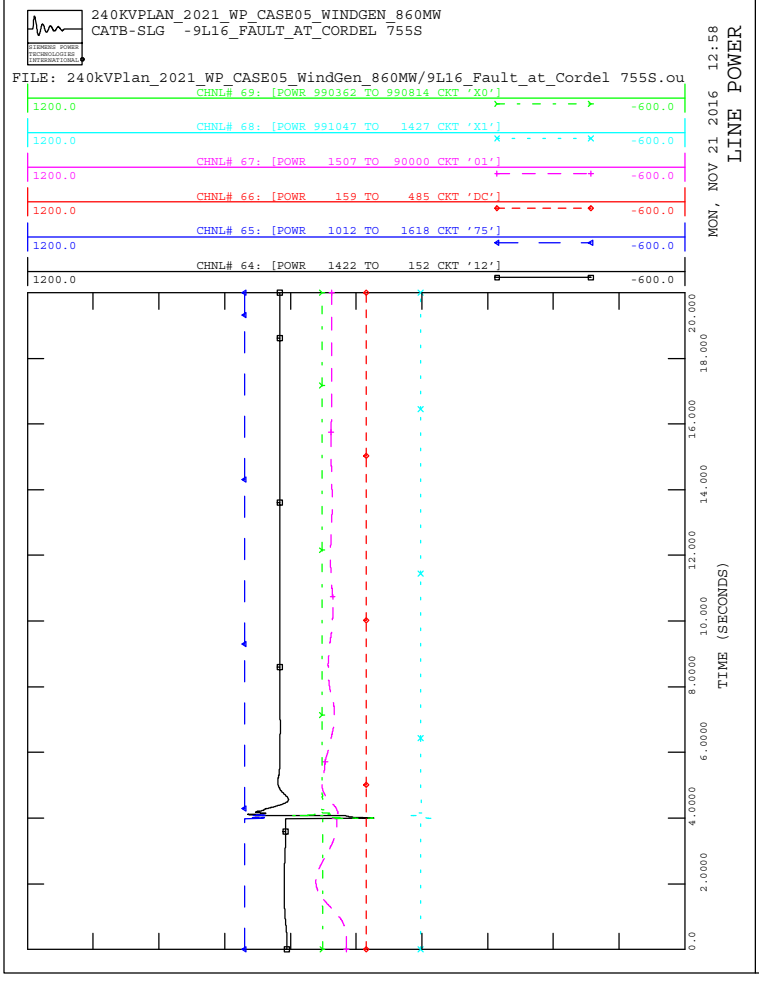
MON, NOV 21 2016 12:58

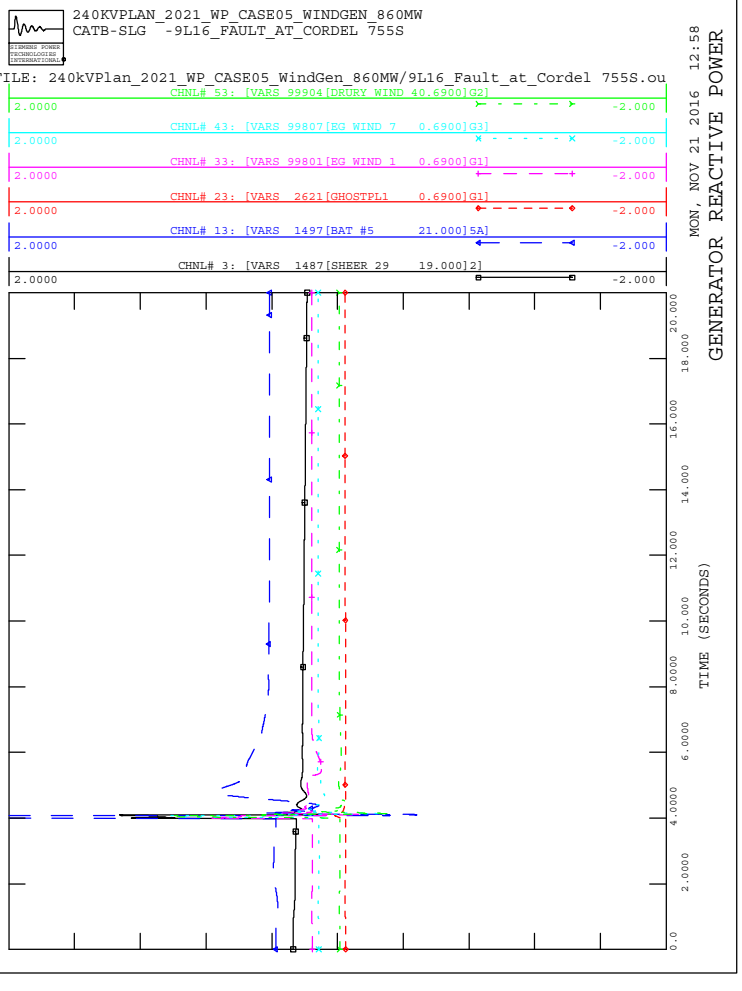
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)

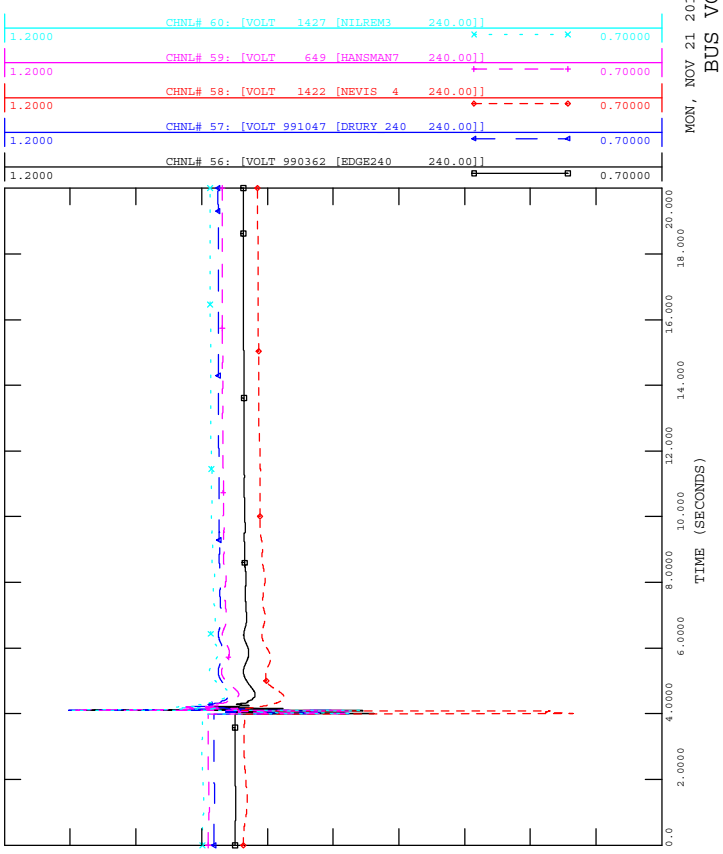

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L16_FAULT_AT_CORDEL 755S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_Fault_at_Cordel 755S.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:58

BUS VOLTAGE

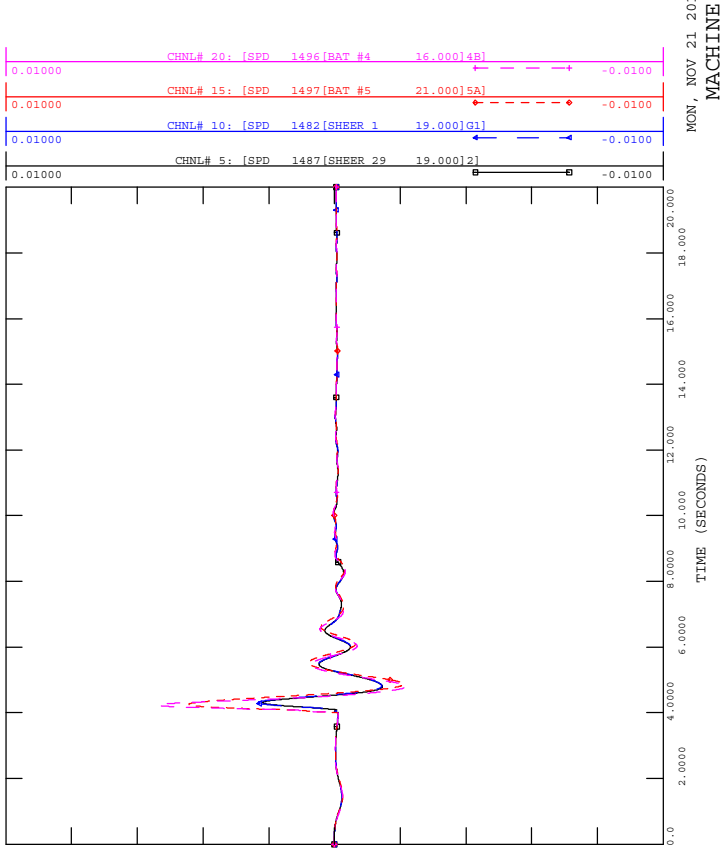


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:58

MACHINE SPEED

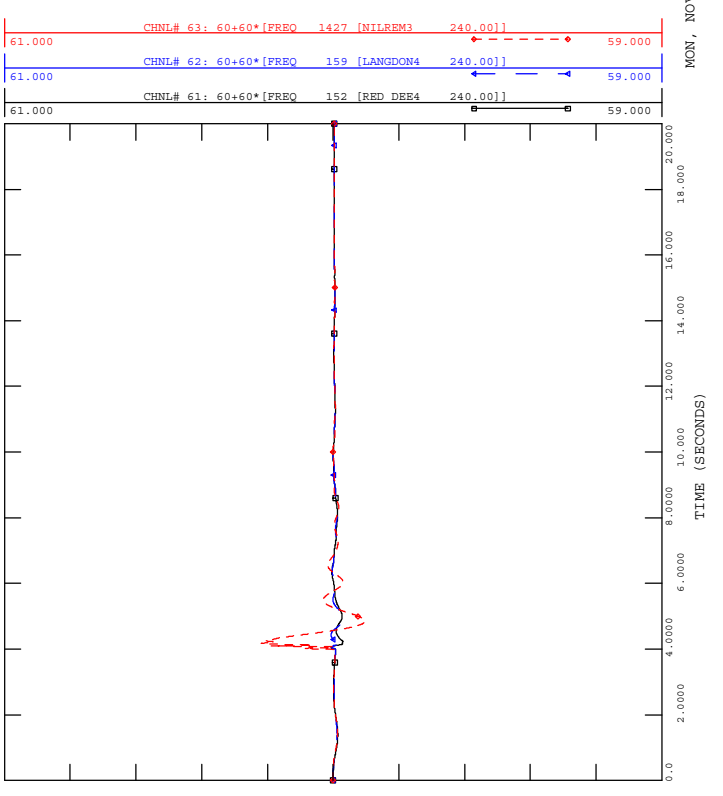


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

MON, NOV 21 2016 12:58

FREQUENCY

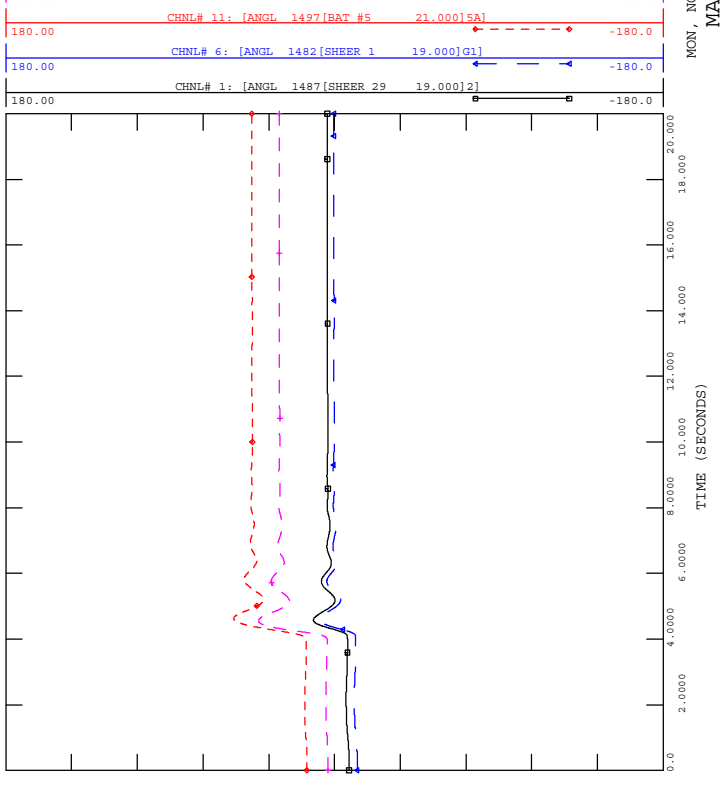


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out

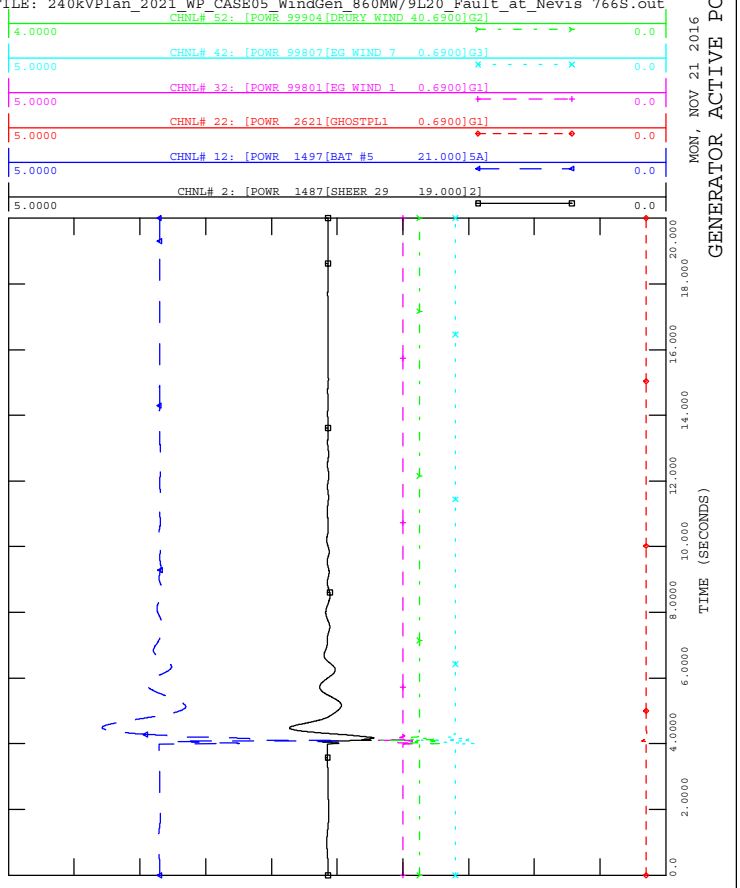
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

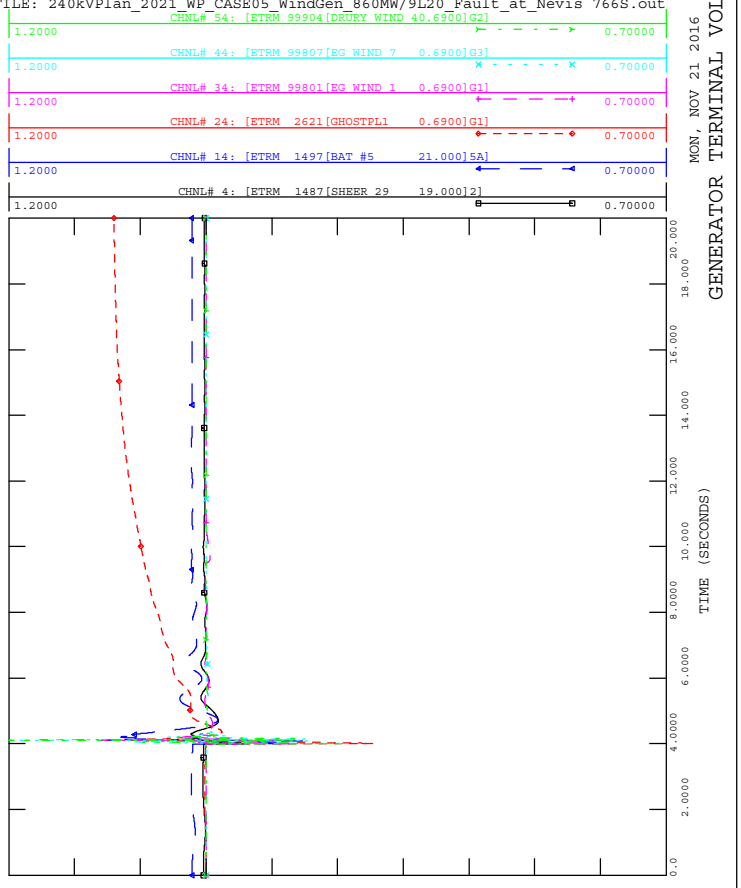
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

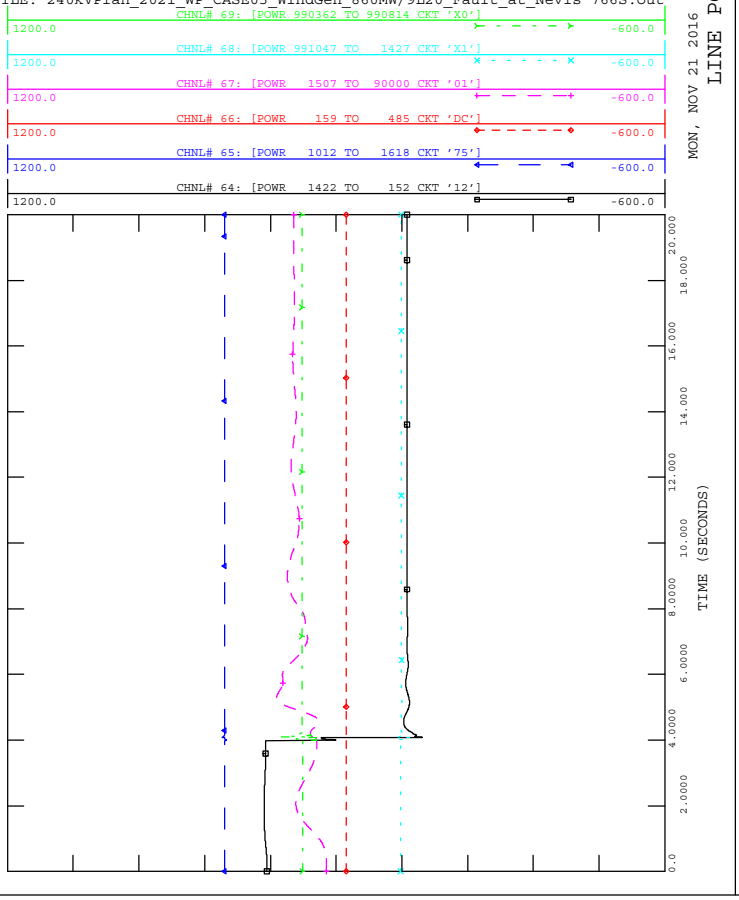
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

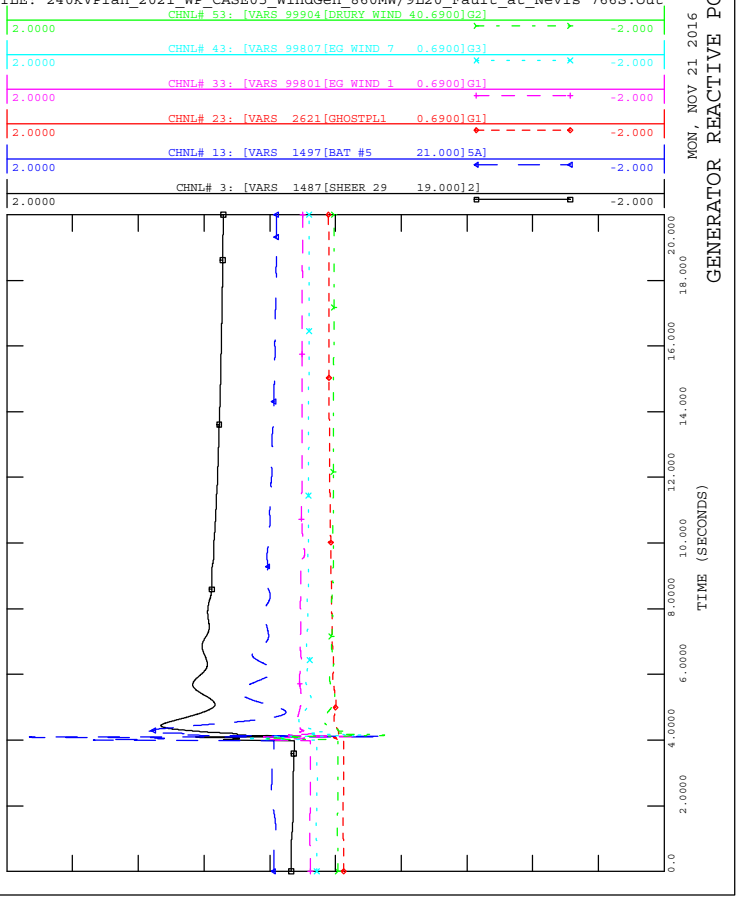
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out



LINE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_NEVIS 766S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Nevis 766S.out



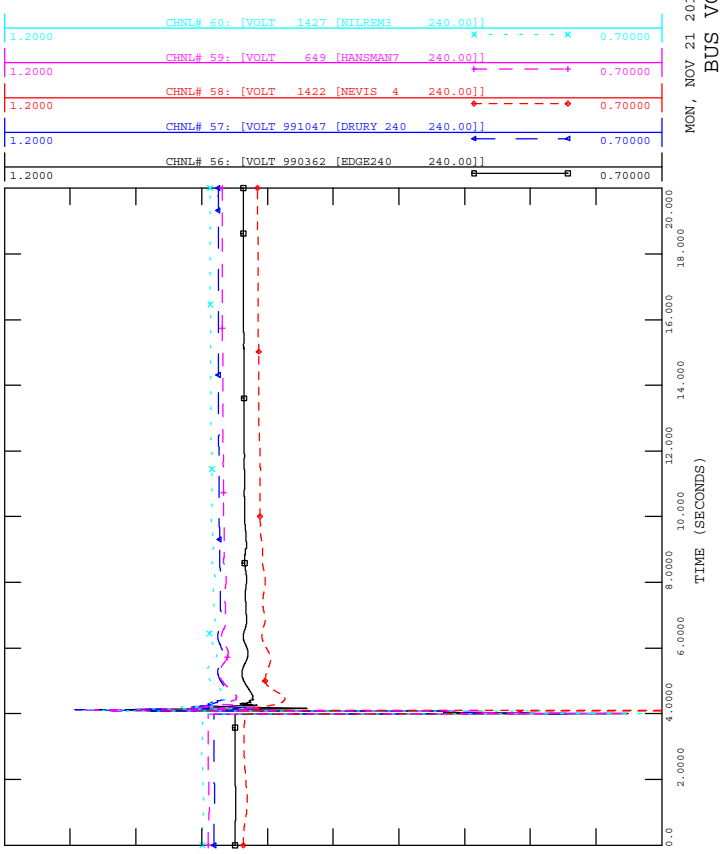
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

BUS VOLTAGE

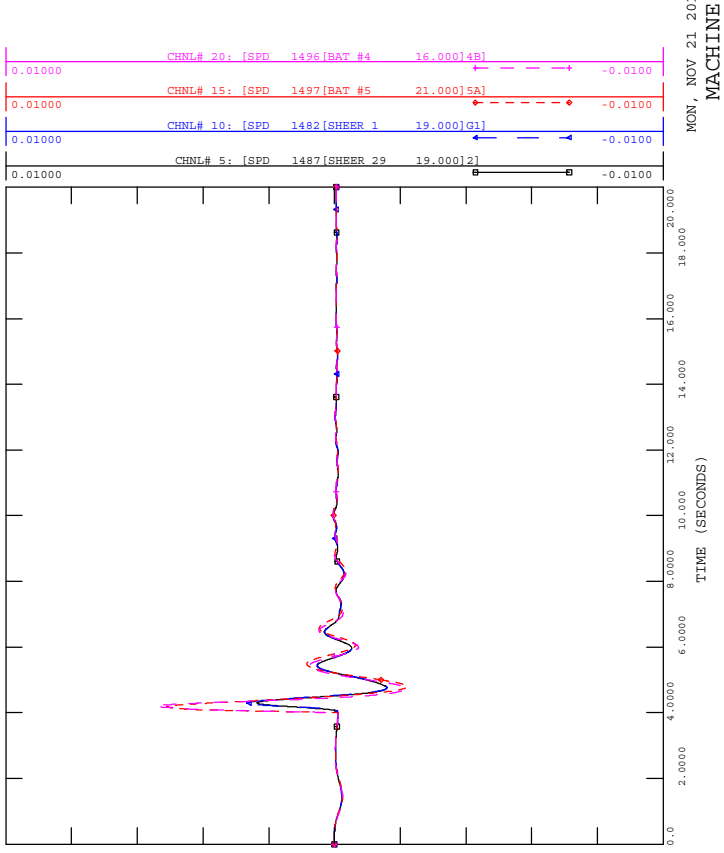


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

MACHINE SPEED

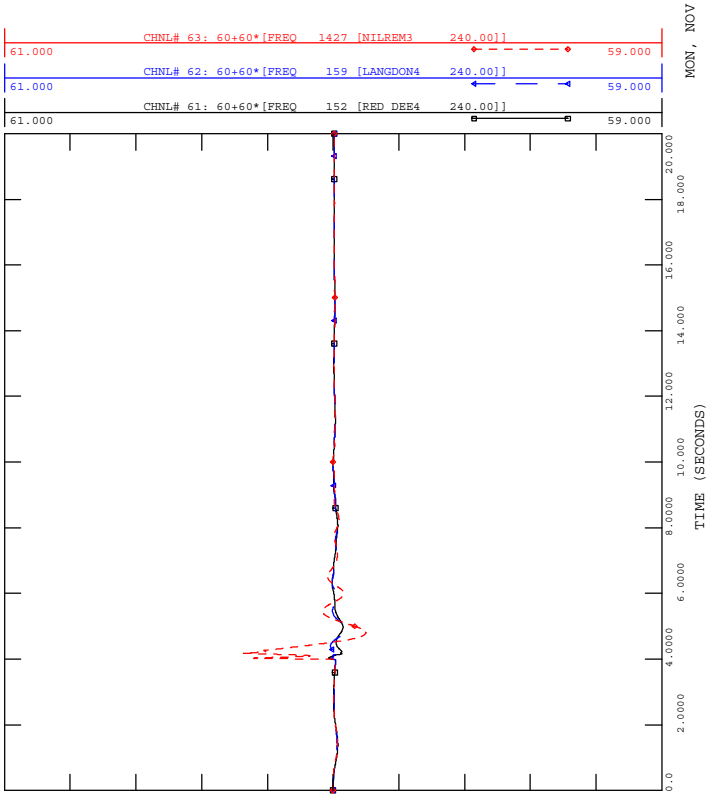


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

FREQUENCY

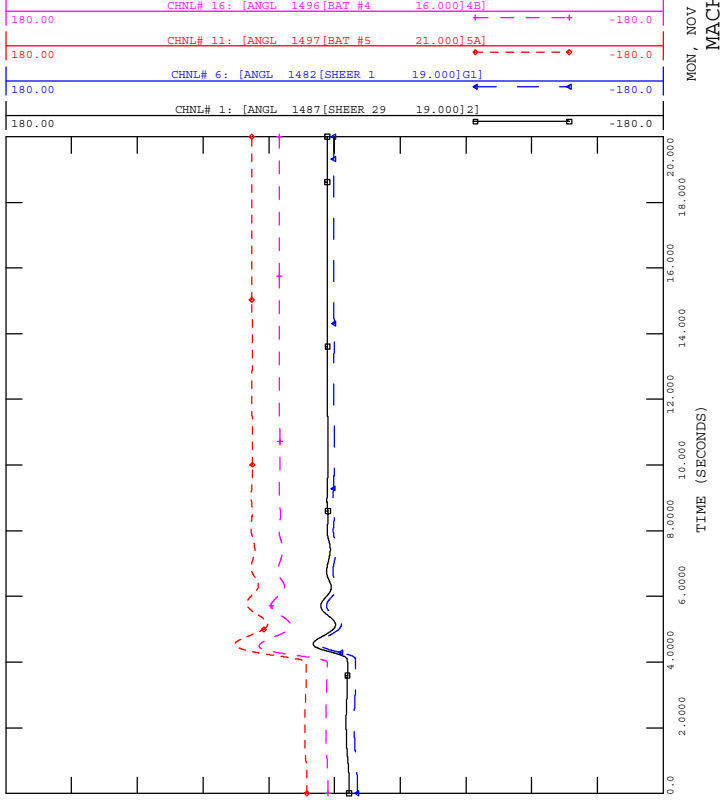


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

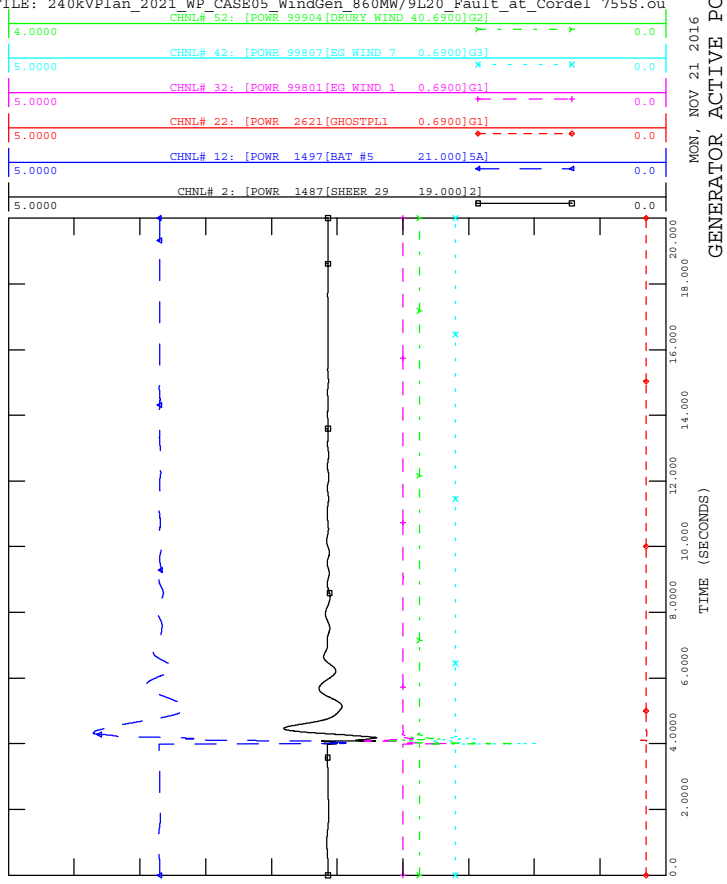
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

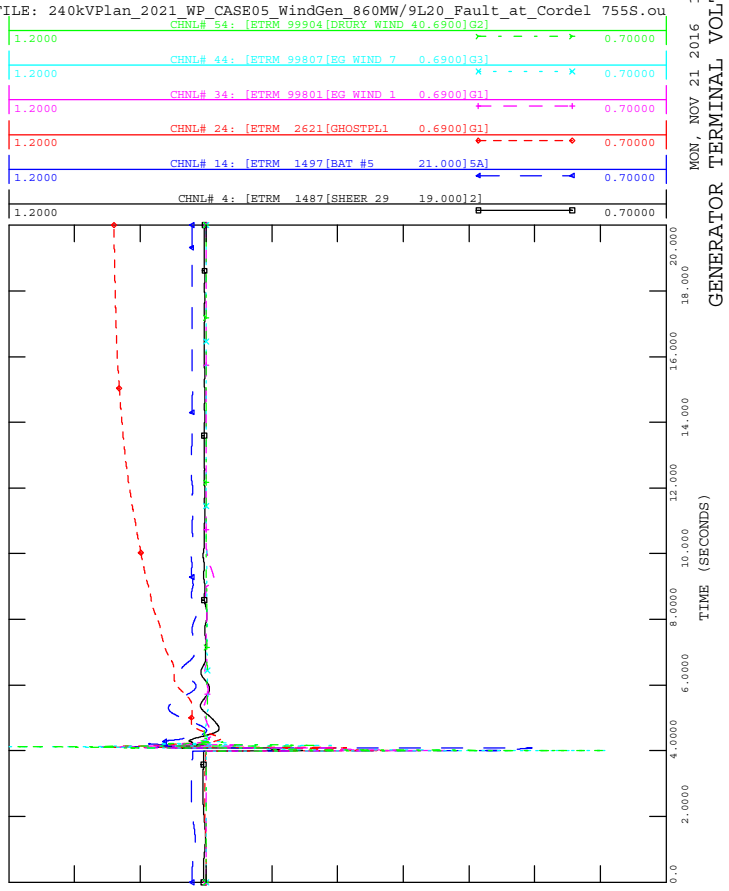


MON, NOV 21 2016 12:58

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

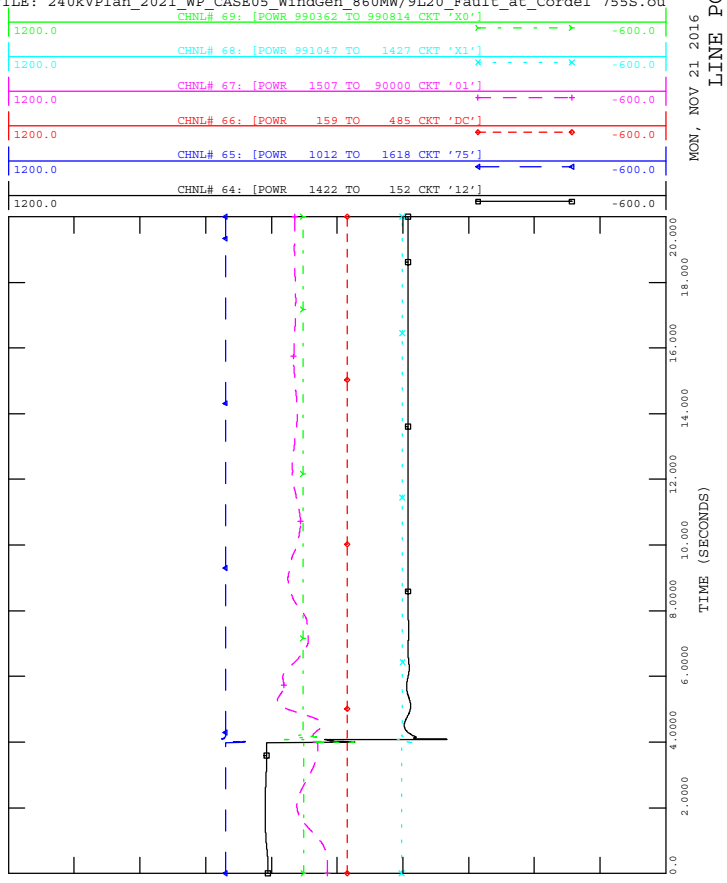


MON, NOV 21 2016 12:58

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou

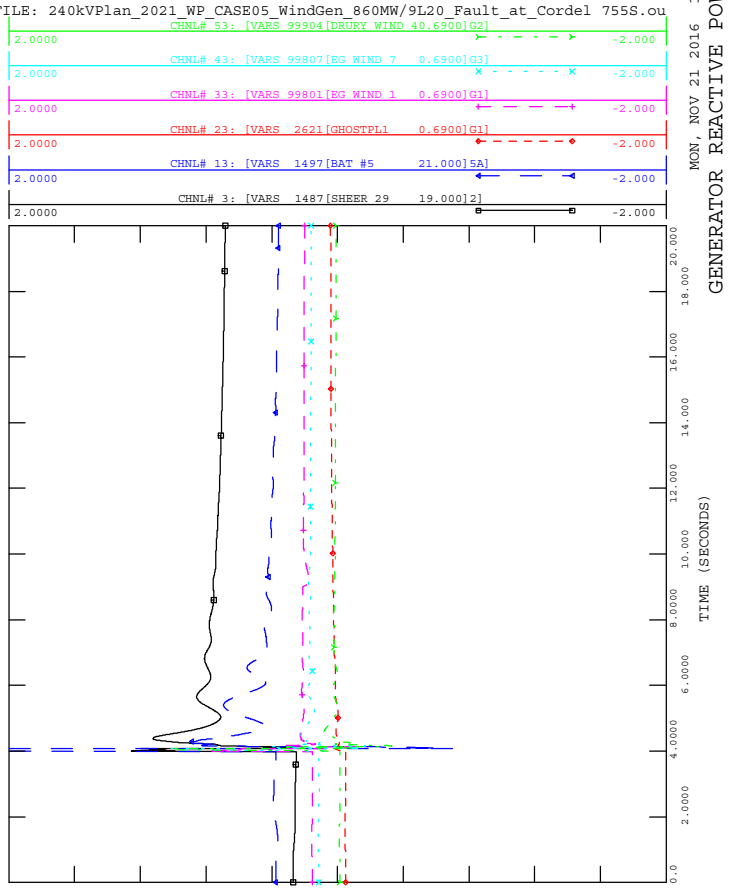


MON, NOV 21 2016 12:58

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L20_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_Fault_at_Cordel 755S.ou



MON, NOV 21 2016 12:58

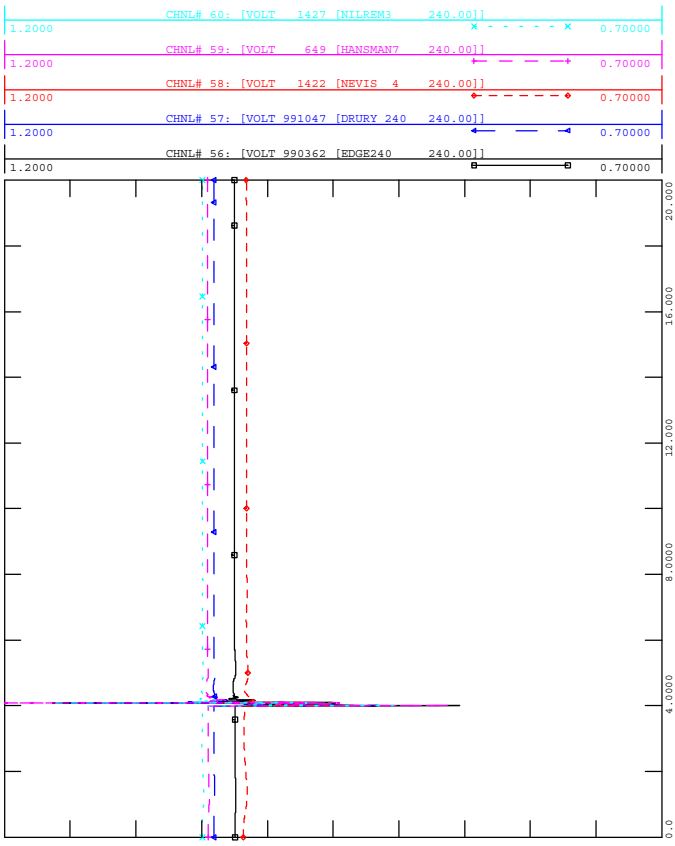
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:58

BUS VOLTAGE

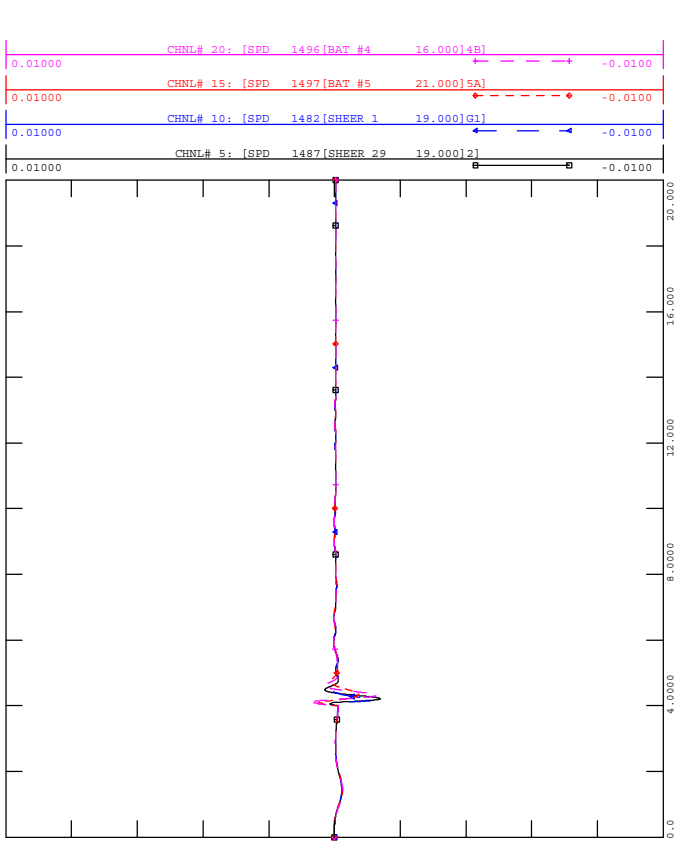


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:58

MACHINE SPEED

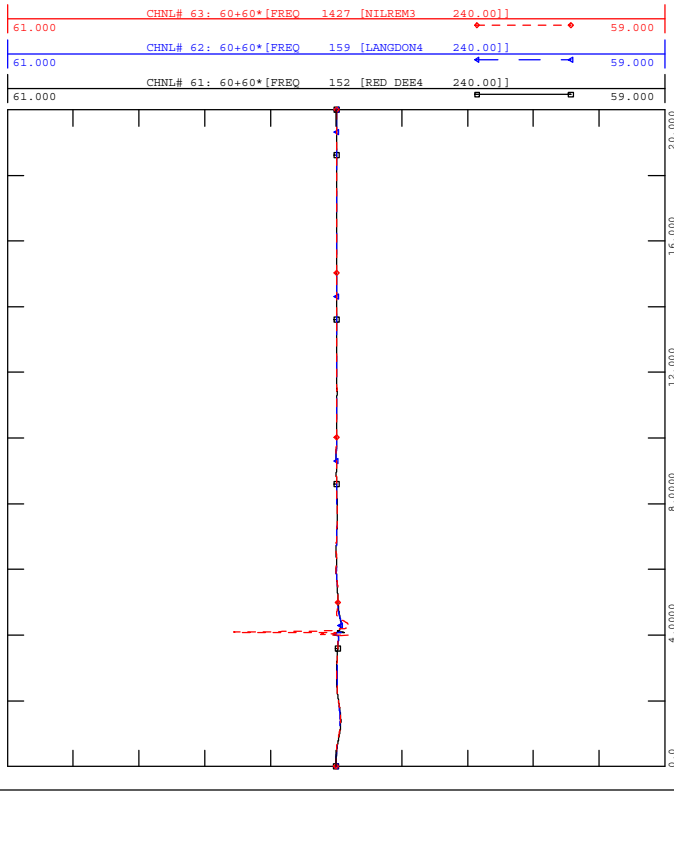


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:58

FREQUENCY

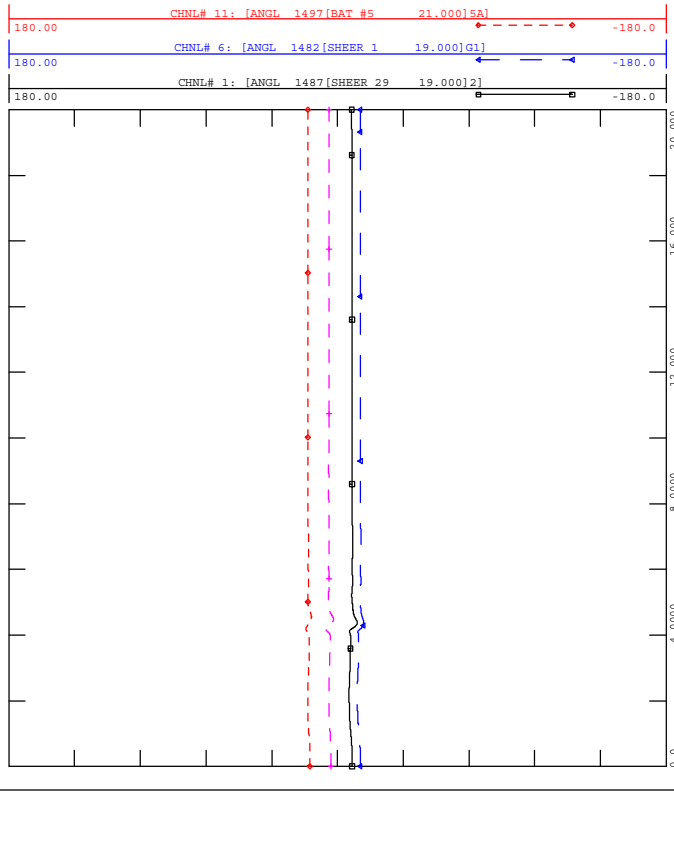


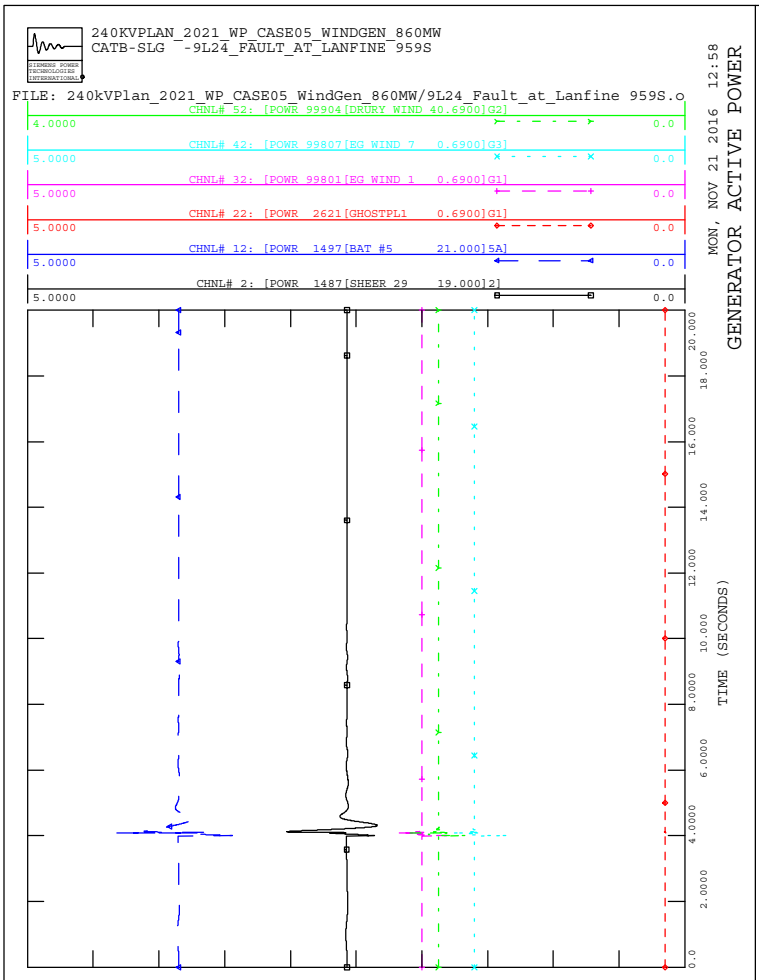
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:58

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
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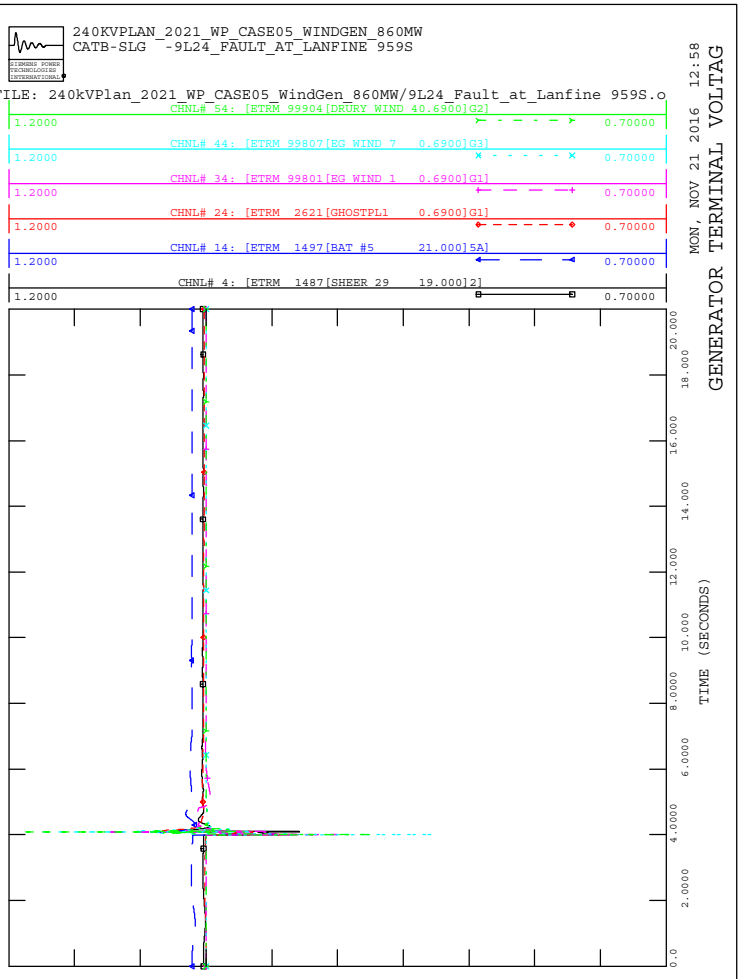
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)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CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
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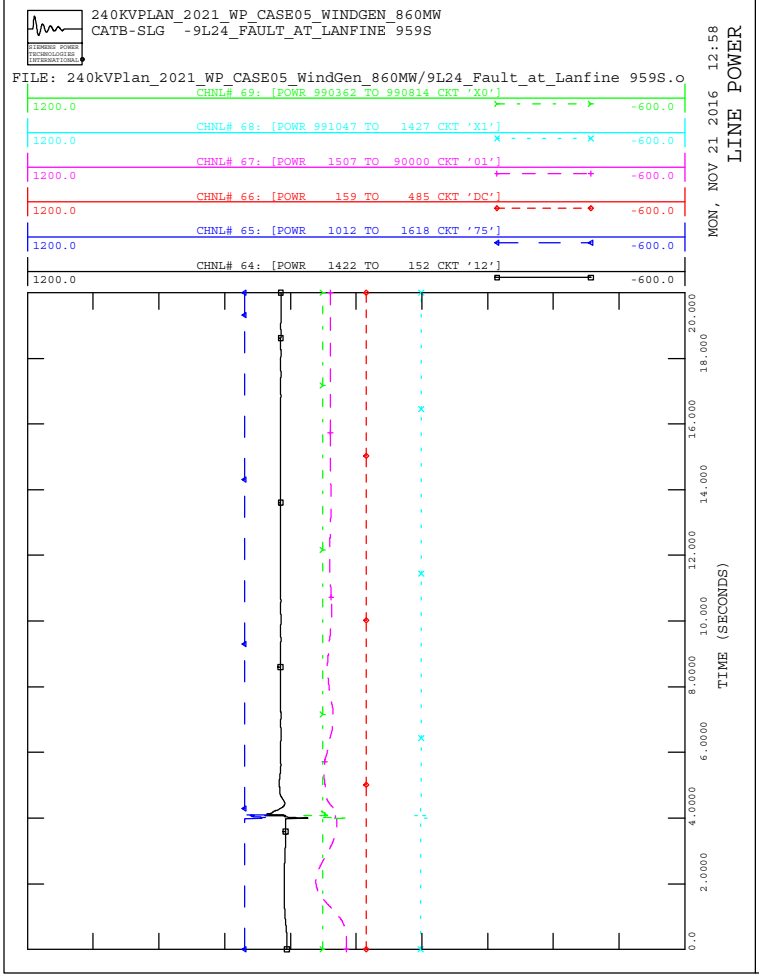
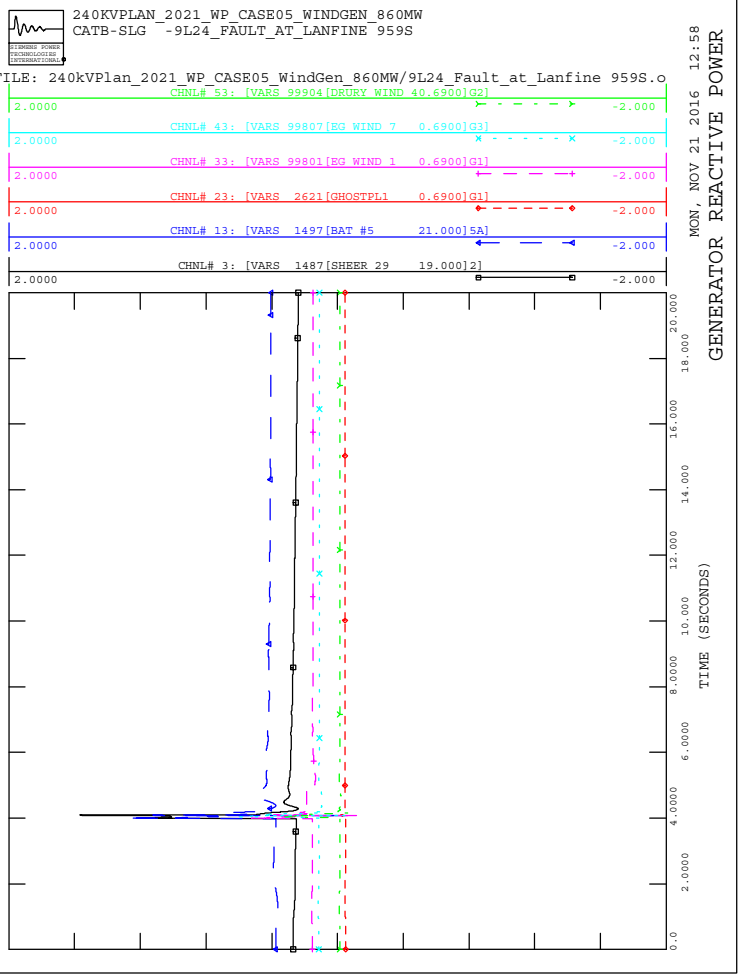
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_LANFINE 959S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Lanfine 959S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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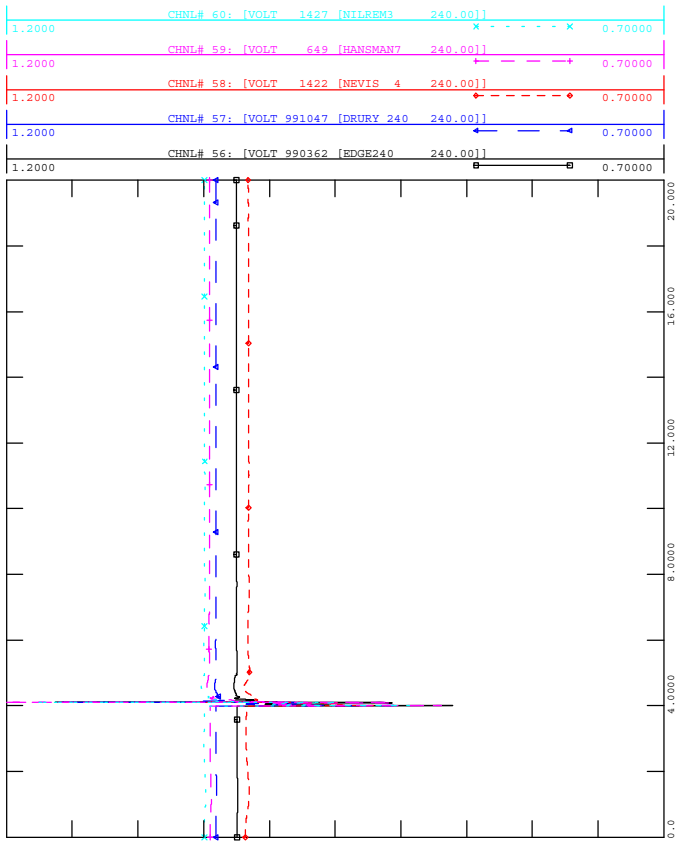
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:58

BUS VOLTAGE

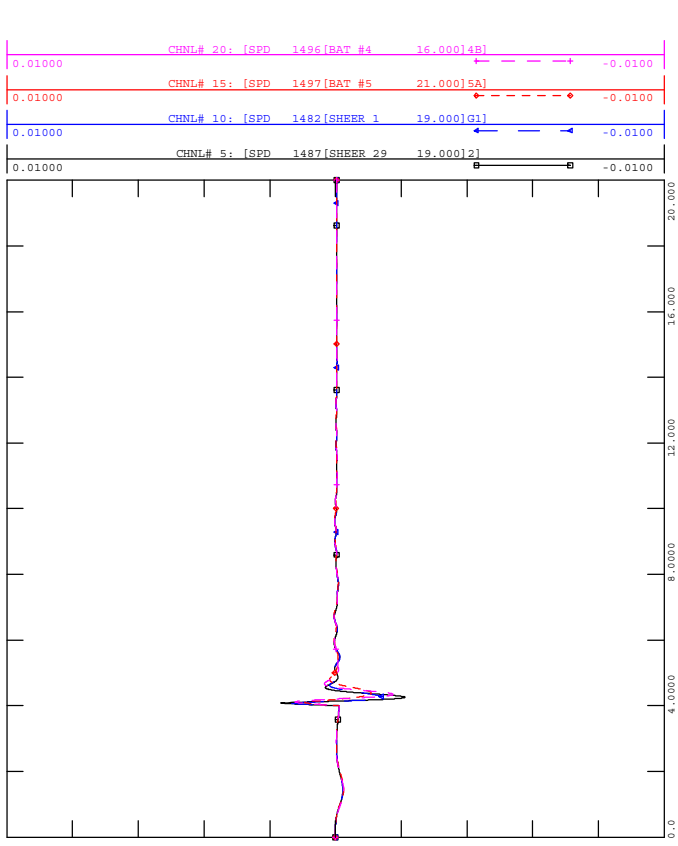


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:58

MACHINE SPEED

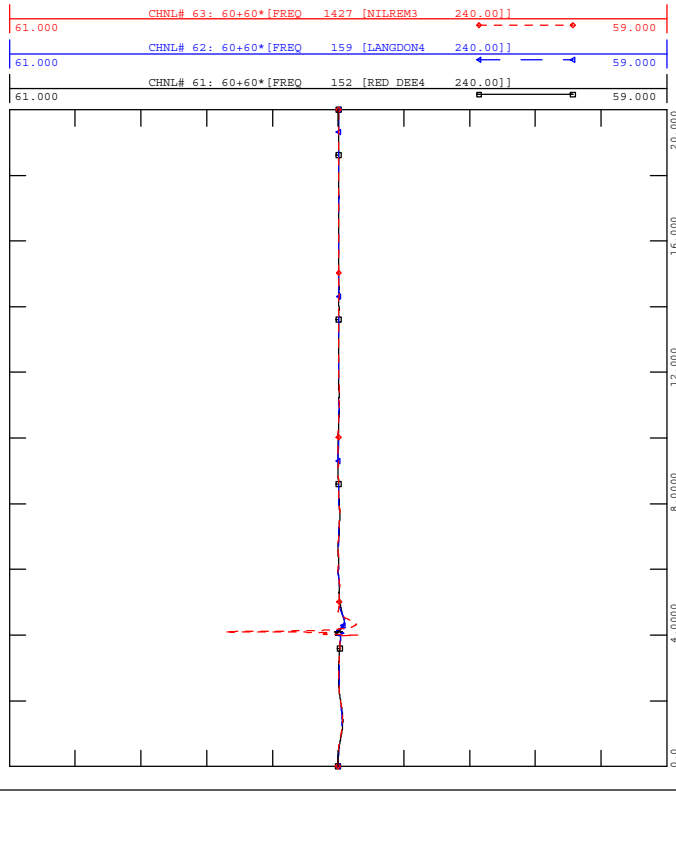


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:58

FREQUENCY

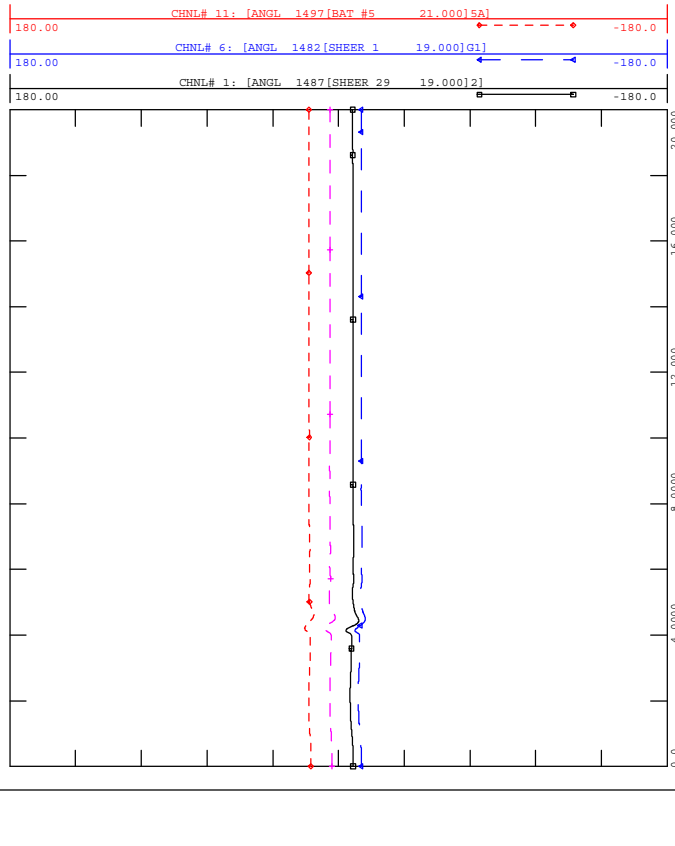


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o

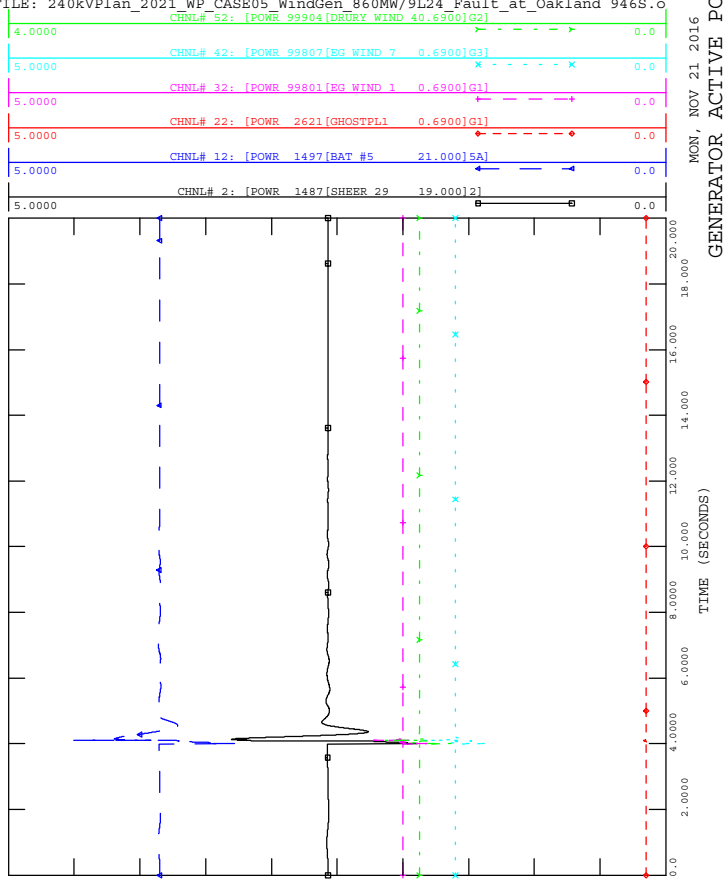
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

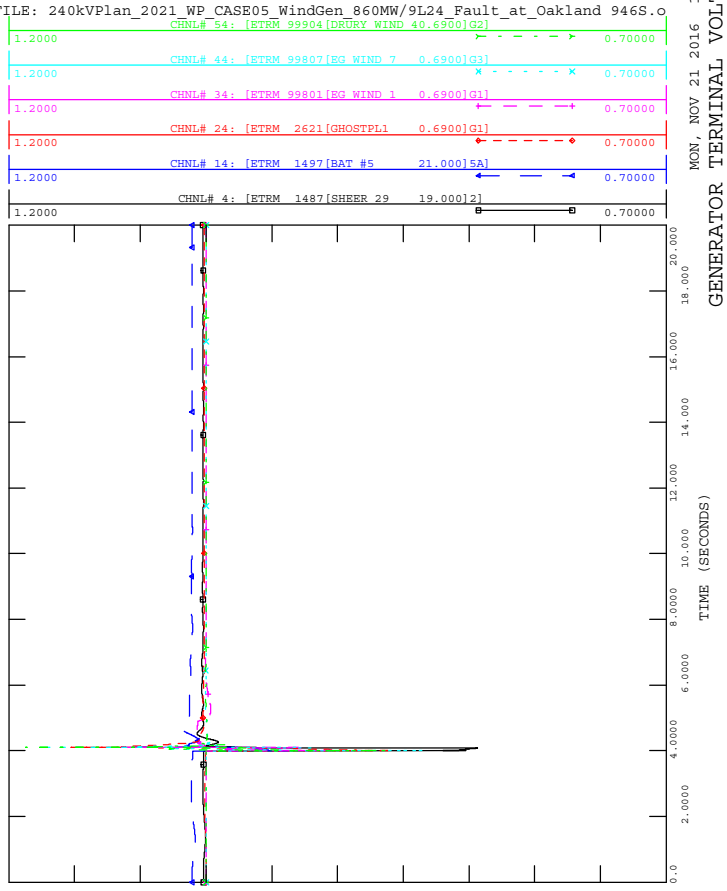
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o



MON, NOV 21 2016 12:58
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

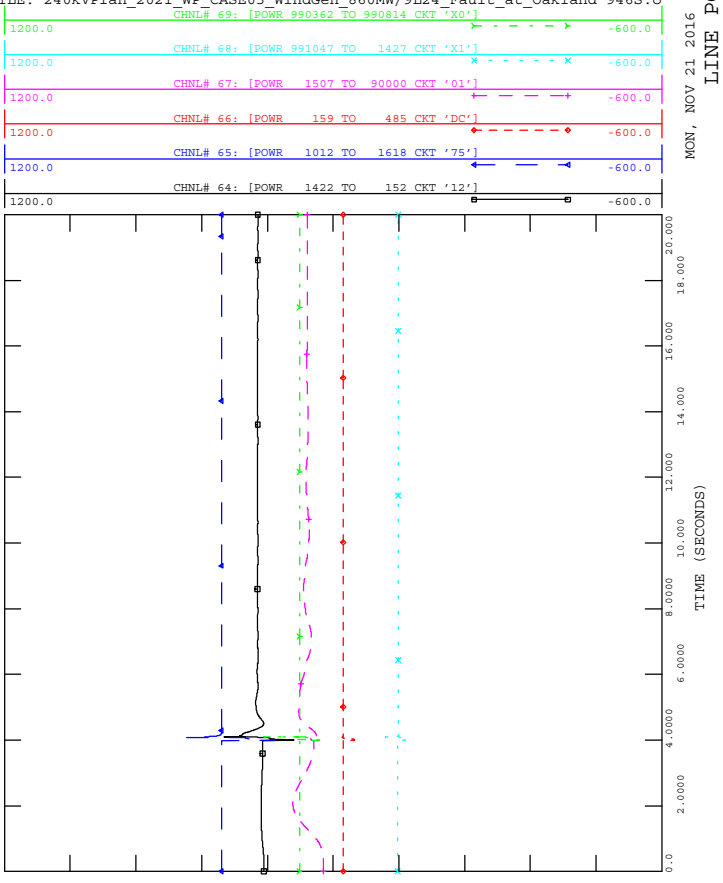
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o



MON, NOV 21 2016 12:58
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

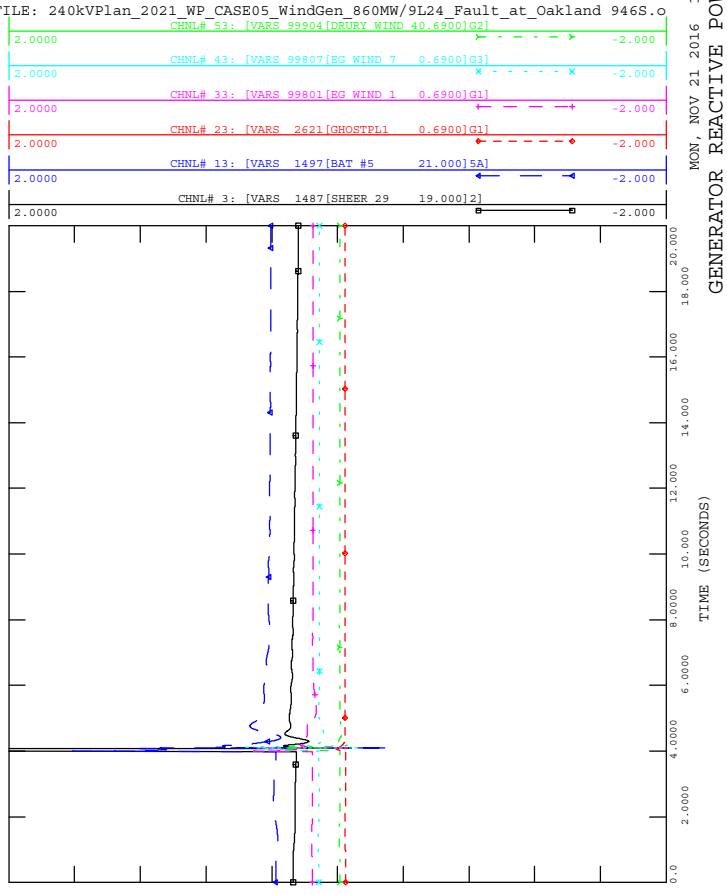
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o



MON, NOV 21 2016 12:58
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L24_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_Fault_at_Oakland 946S.o



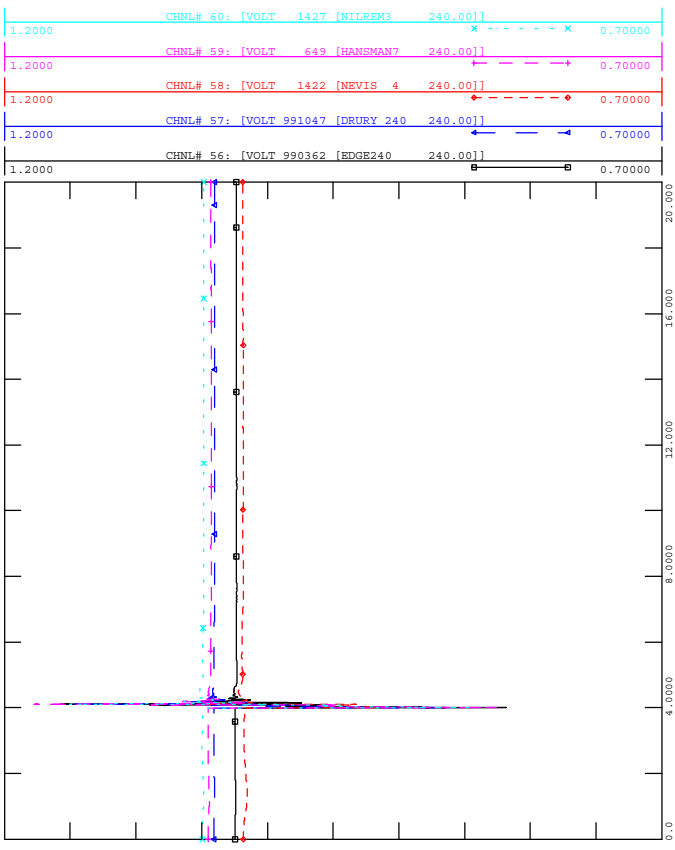
MON, NOV 21 2016 12:58
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 12:58

BUS VOLTAGE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

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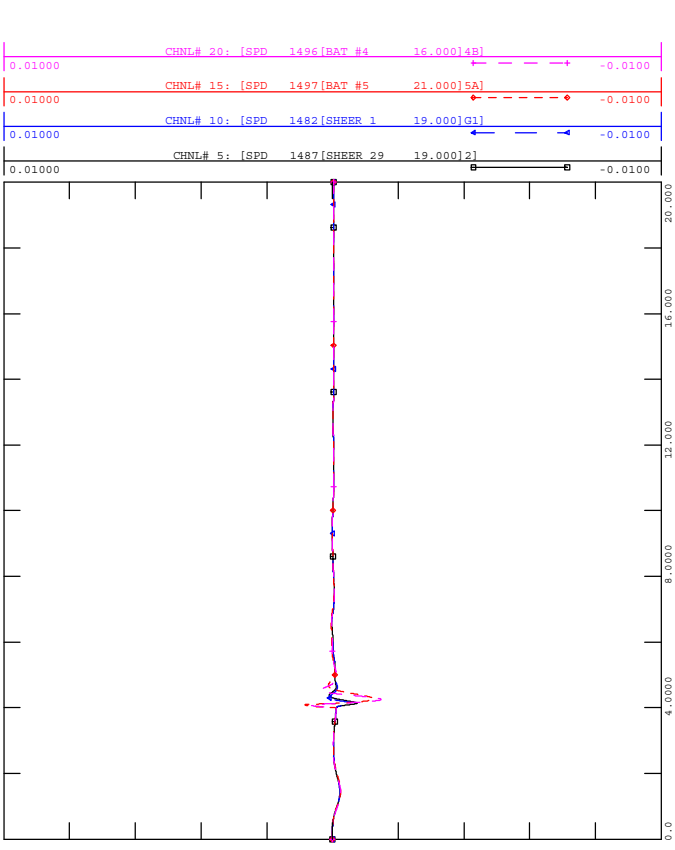
MON, NOV 21 2016 12:58

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

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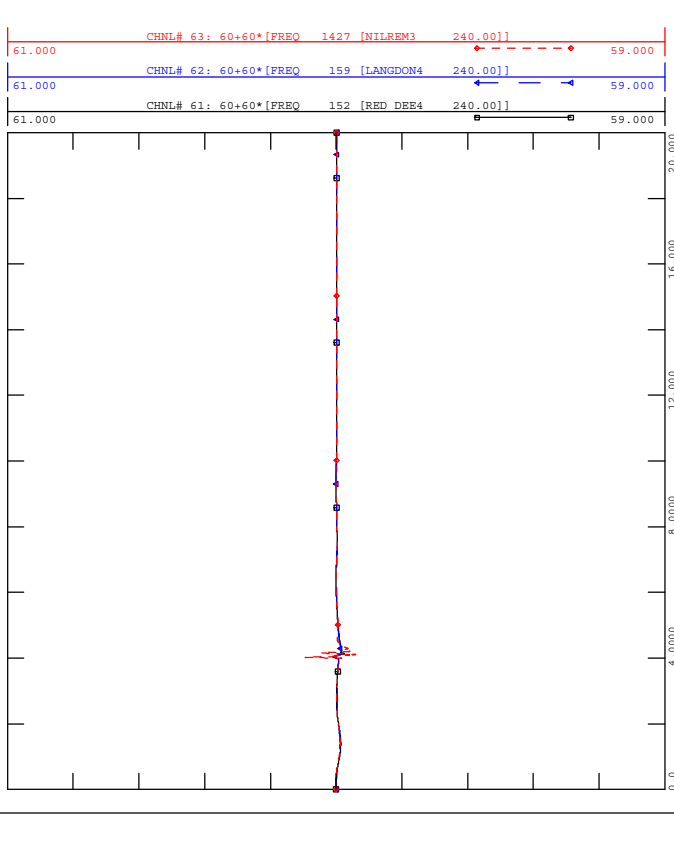
MON, NOV 21 2016 12:58

FREQUENCY

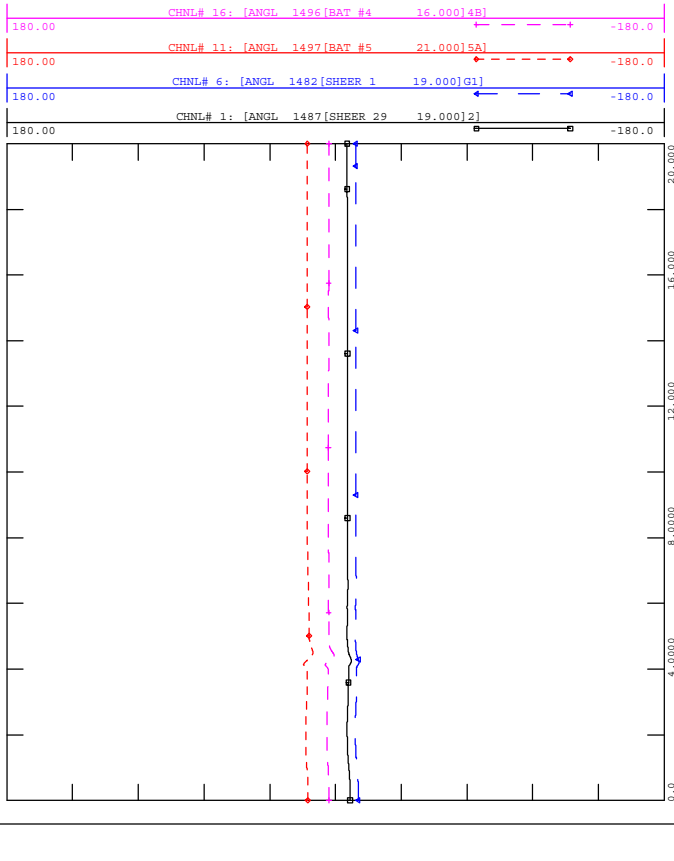


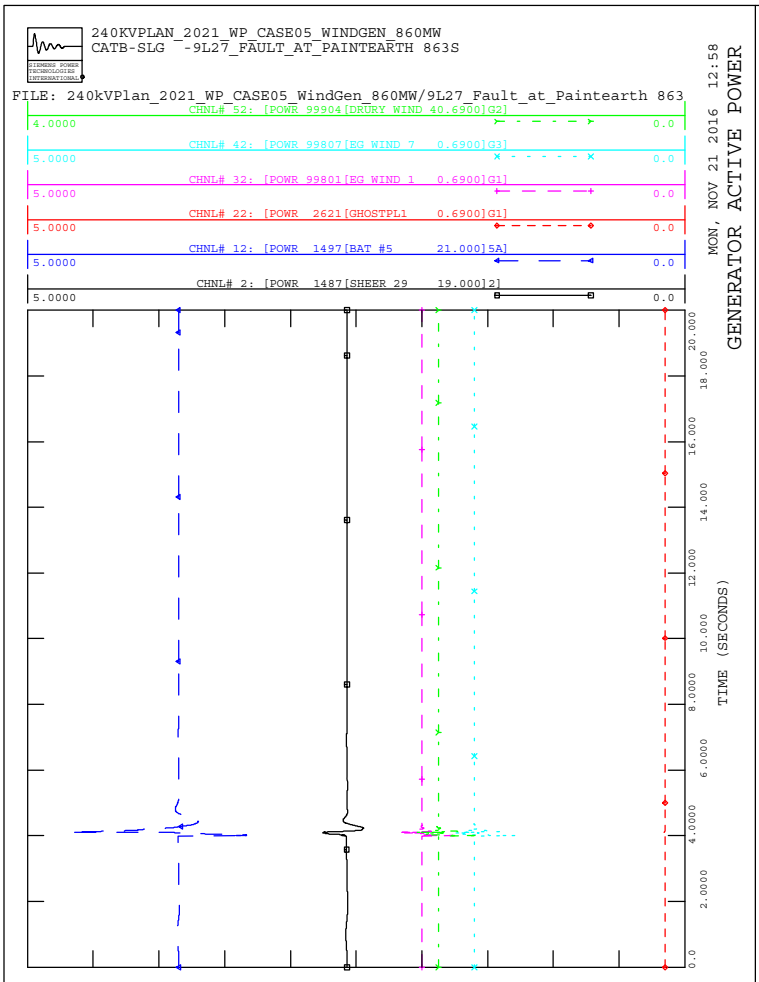
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S

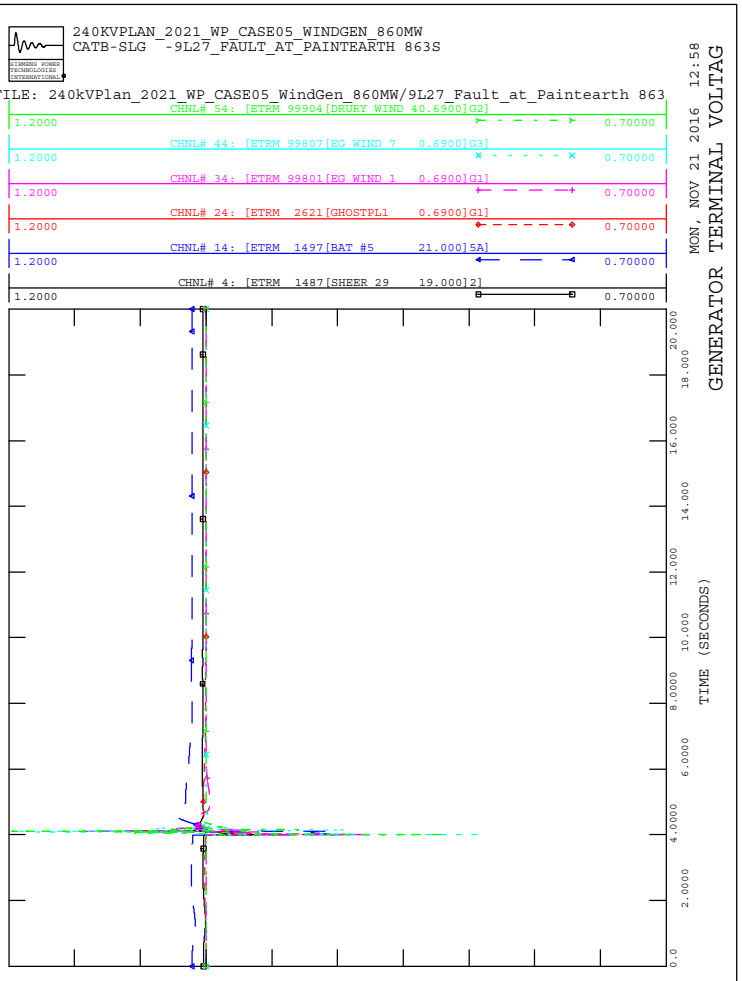
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863

MON, NOV 21 2016 12:58

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)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CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
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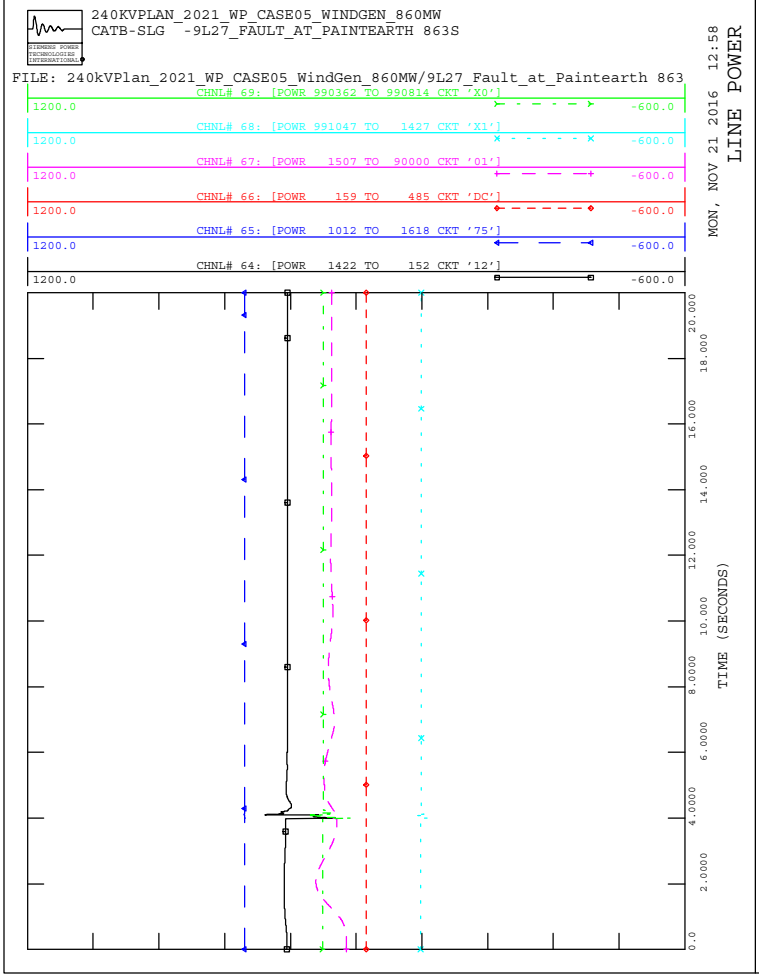
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58
TIME (SECONDS)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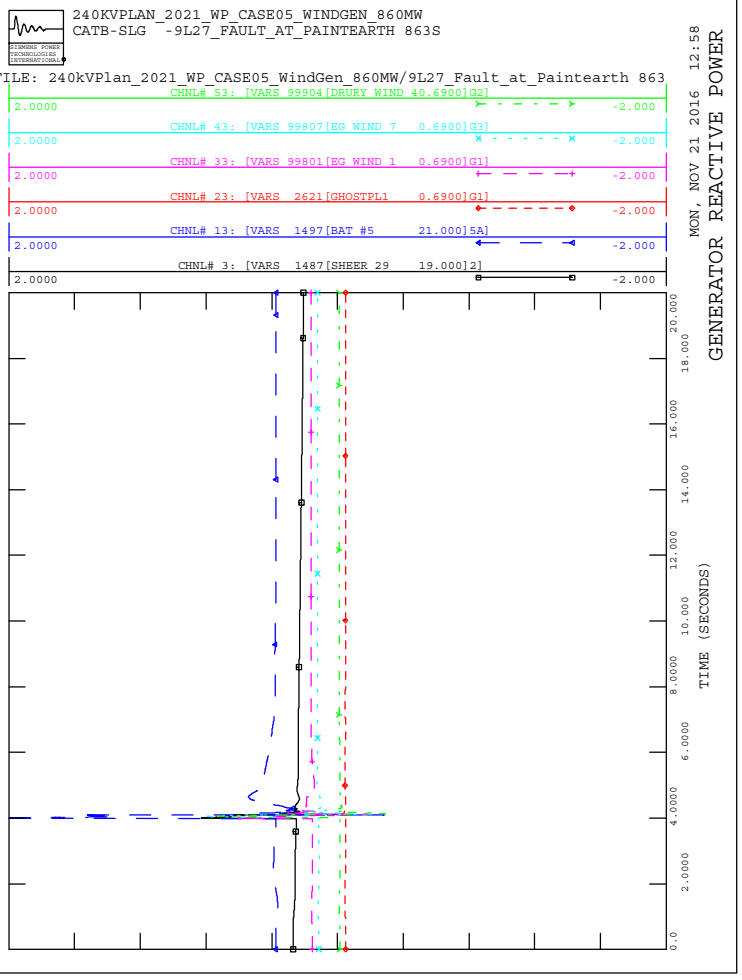
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_PAINTEARTH 863S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Paintearth 863
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
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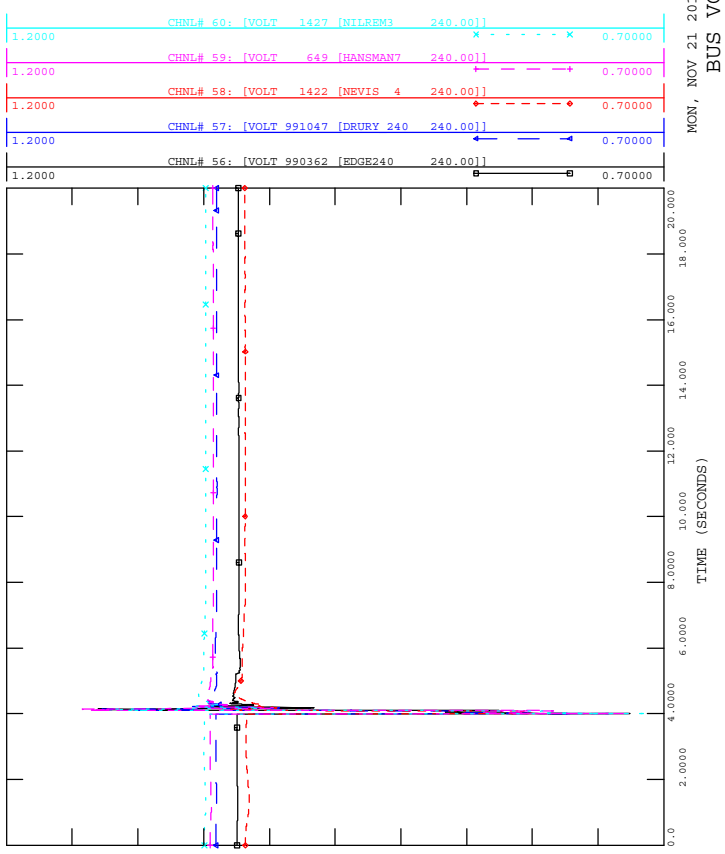
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

BUS VOLTAGE

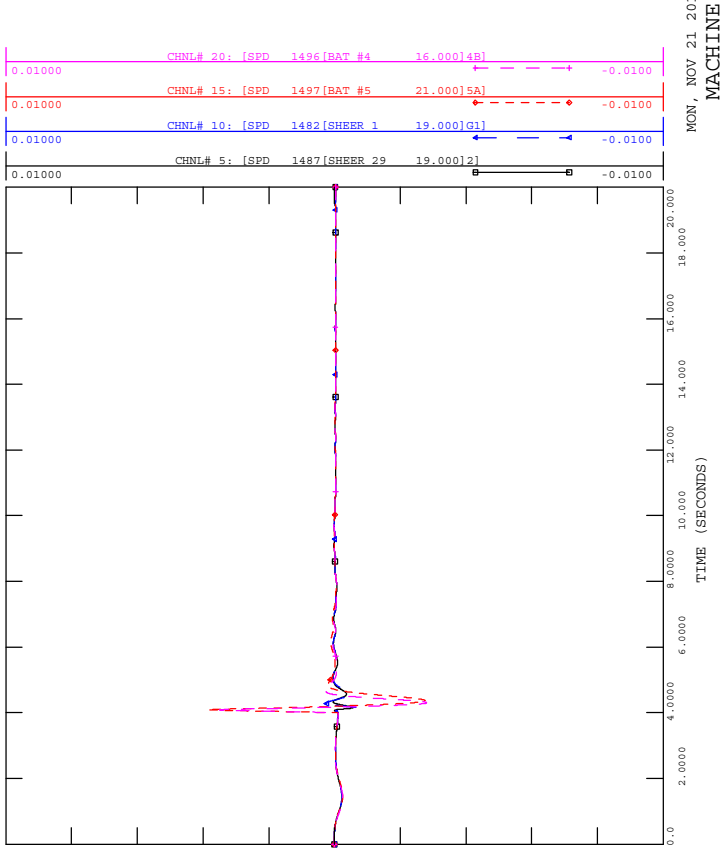


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

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MON, NOV 21 2016 12:58

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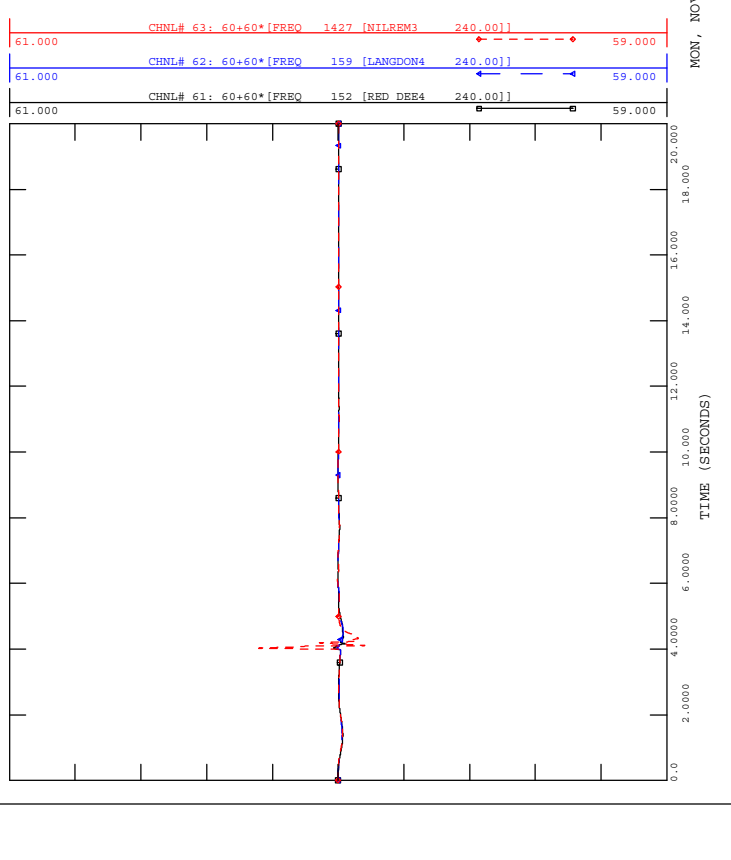

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

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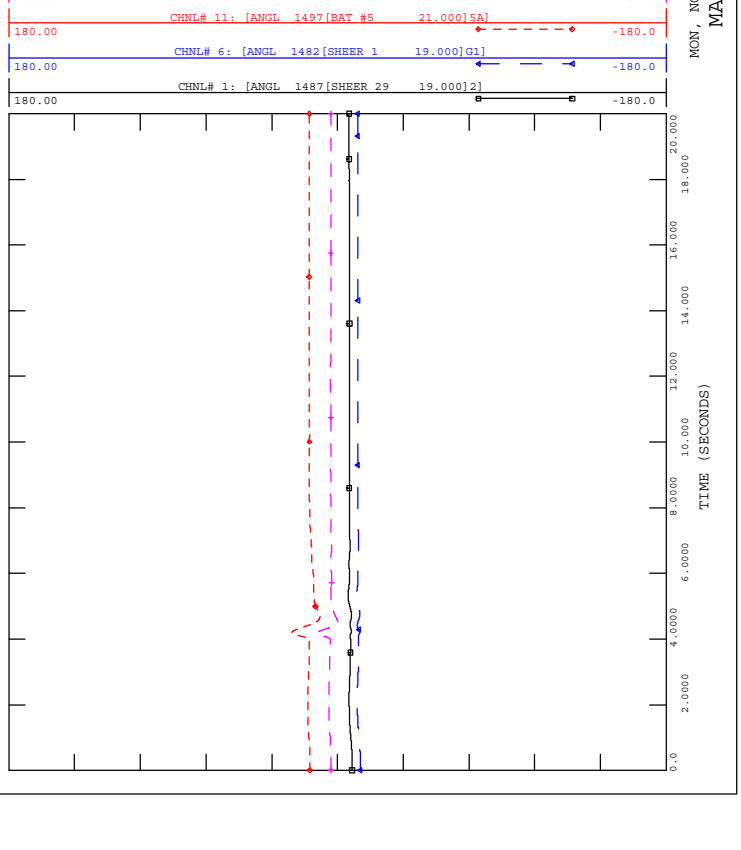
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

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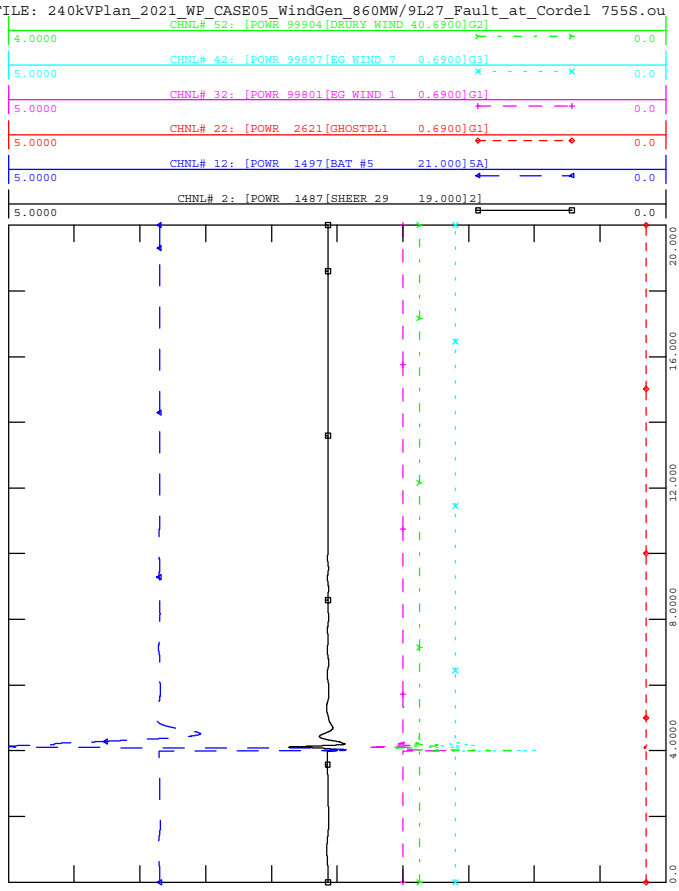
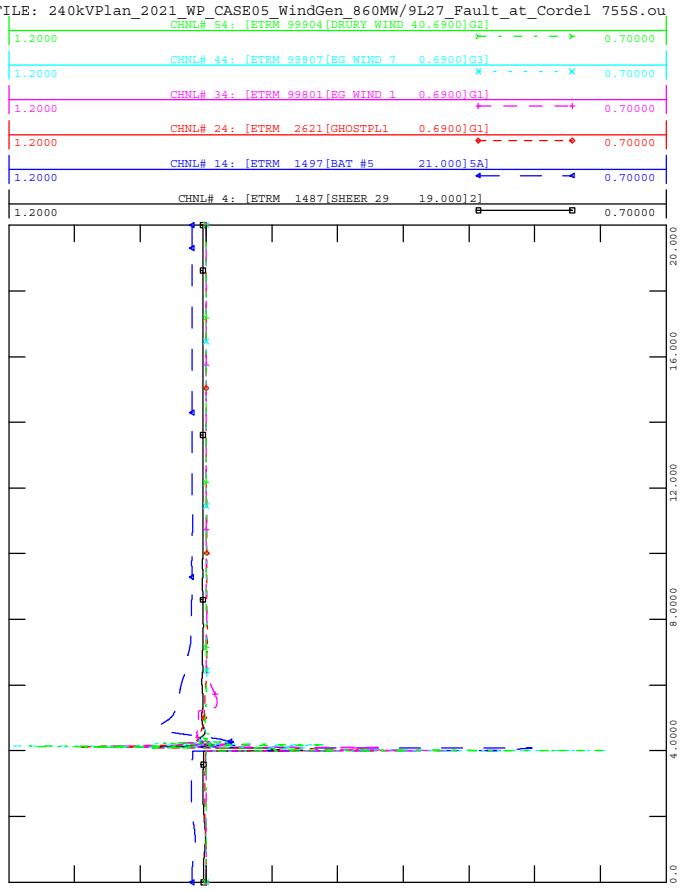


MON, NOV 21 2016 12:58

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

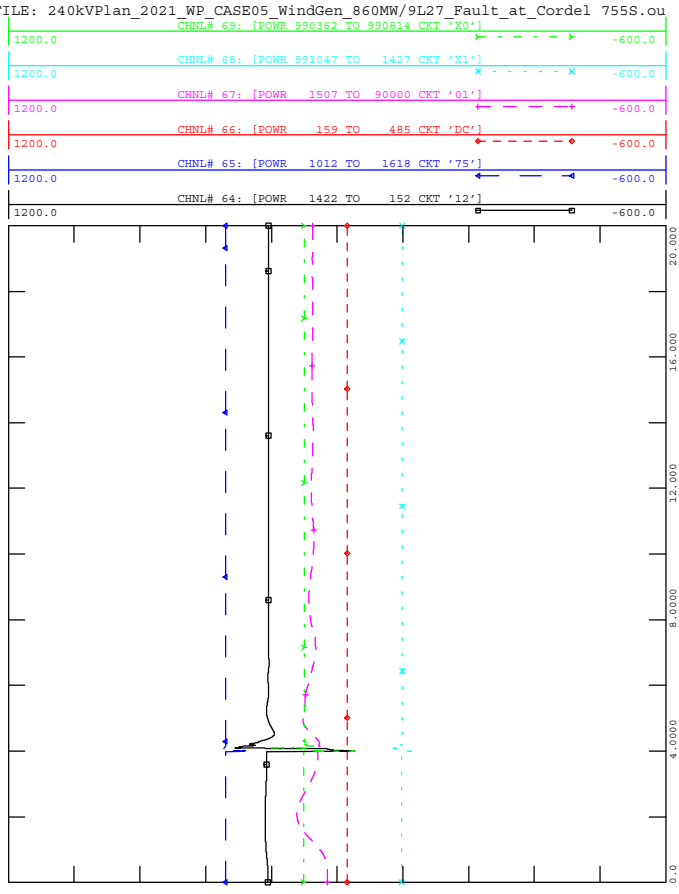


MON, NOV 21 2016 12:58

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou

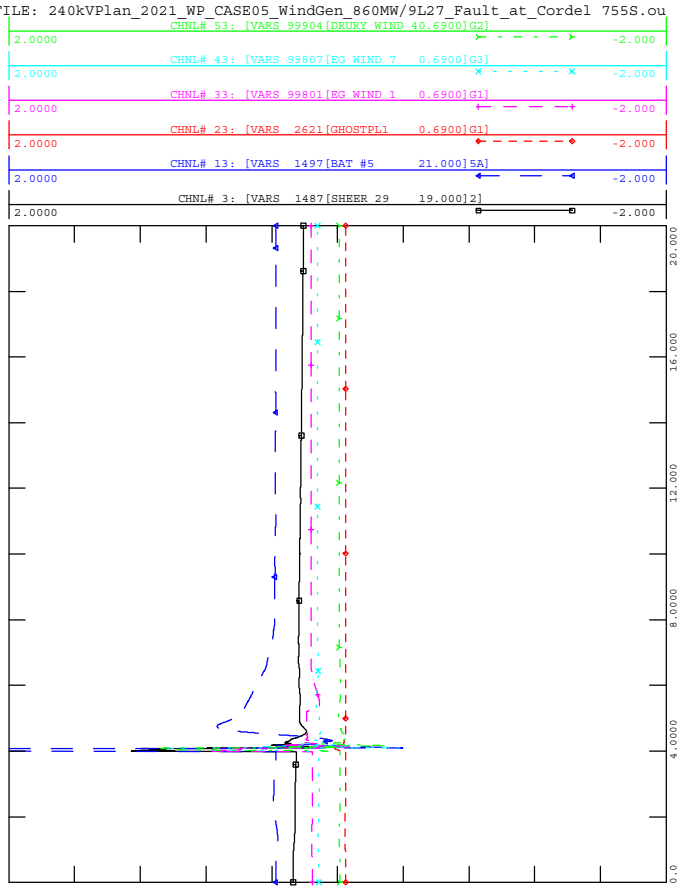


MON, NOV 21 2016 12:58

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L27_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_Fault_at_Cordel 755S.ou



MON, NOV 21 2016 12:58

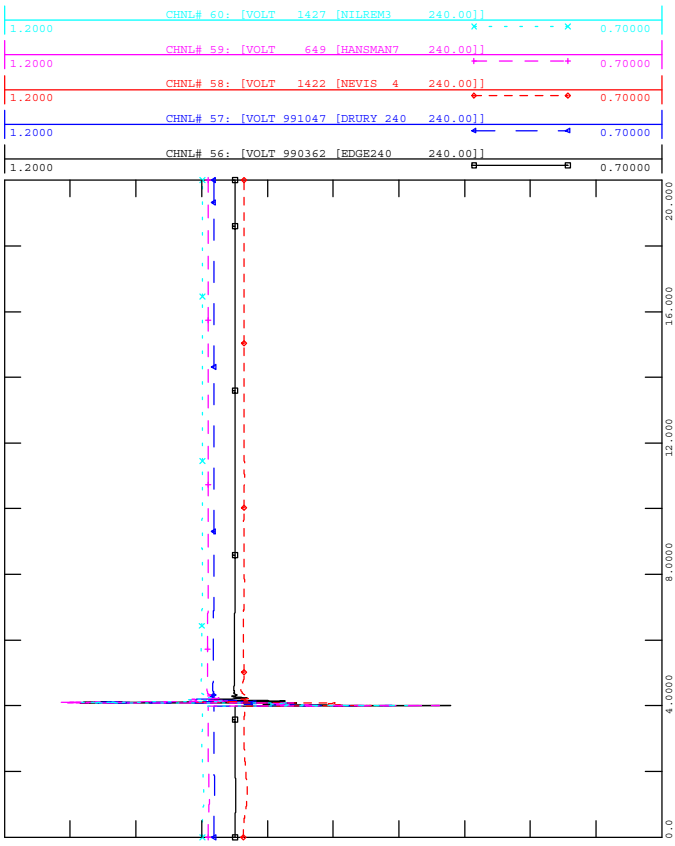
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:58

BUS VOLTAGE

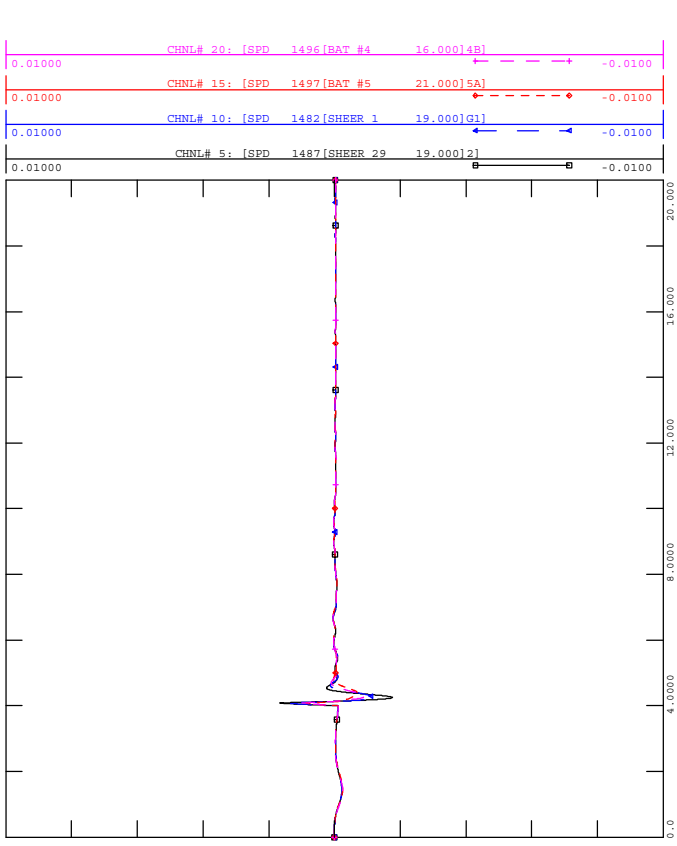


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:58

MACHINE SPEED

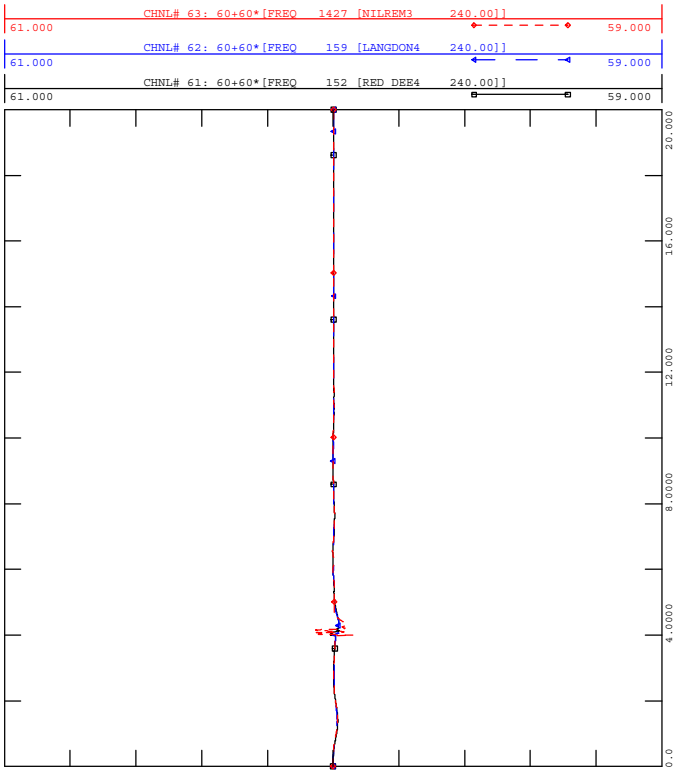


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:58

FREQUENCY

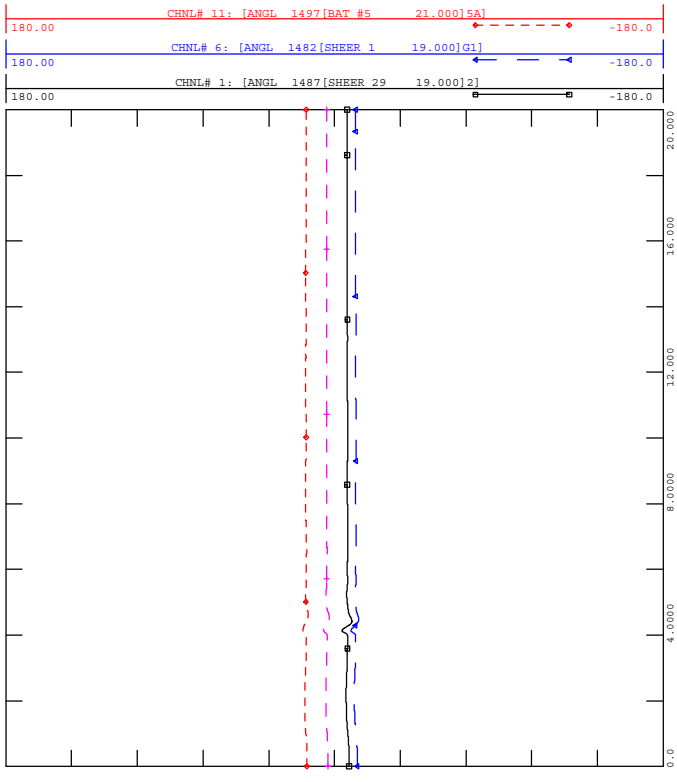


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

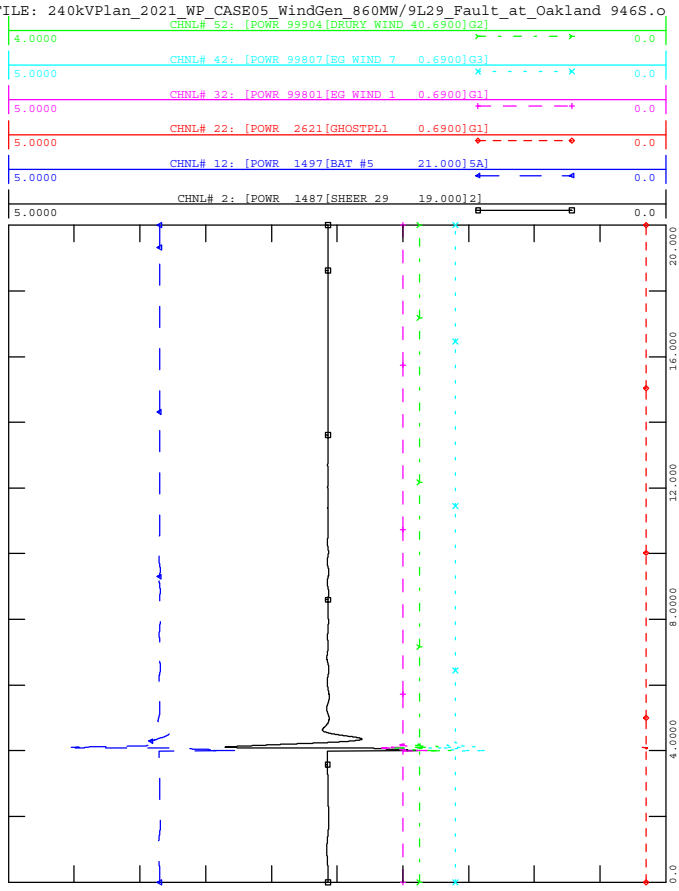
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

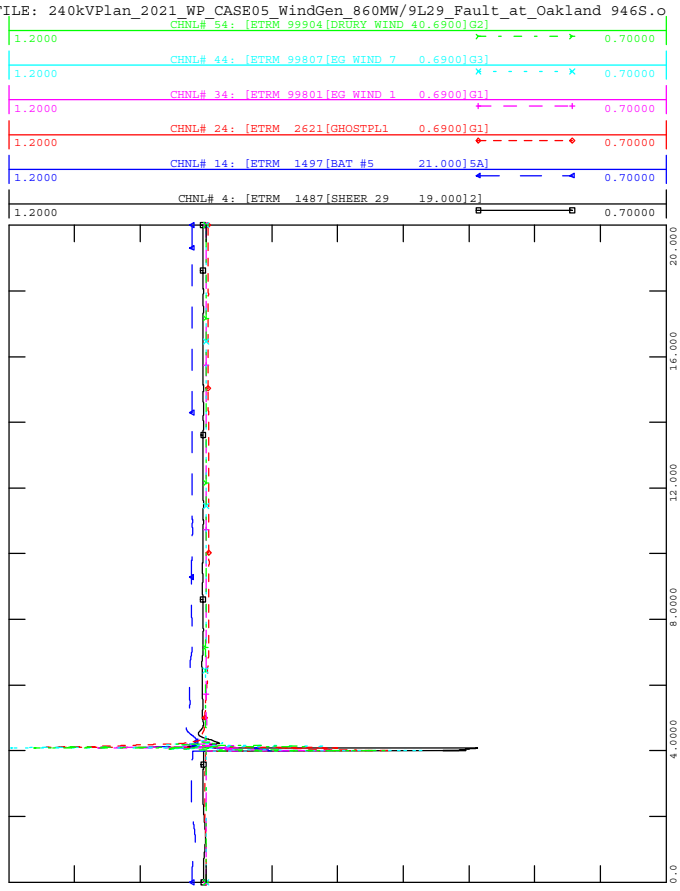


MON, NOV 21 2016 12:58

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

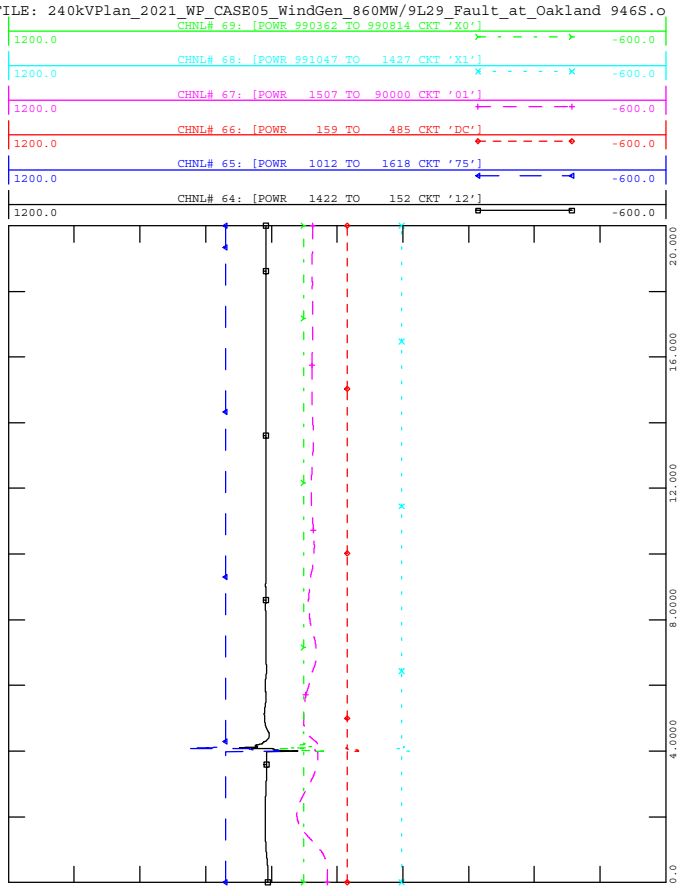


MON, NOV 21 2016 12:58

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o

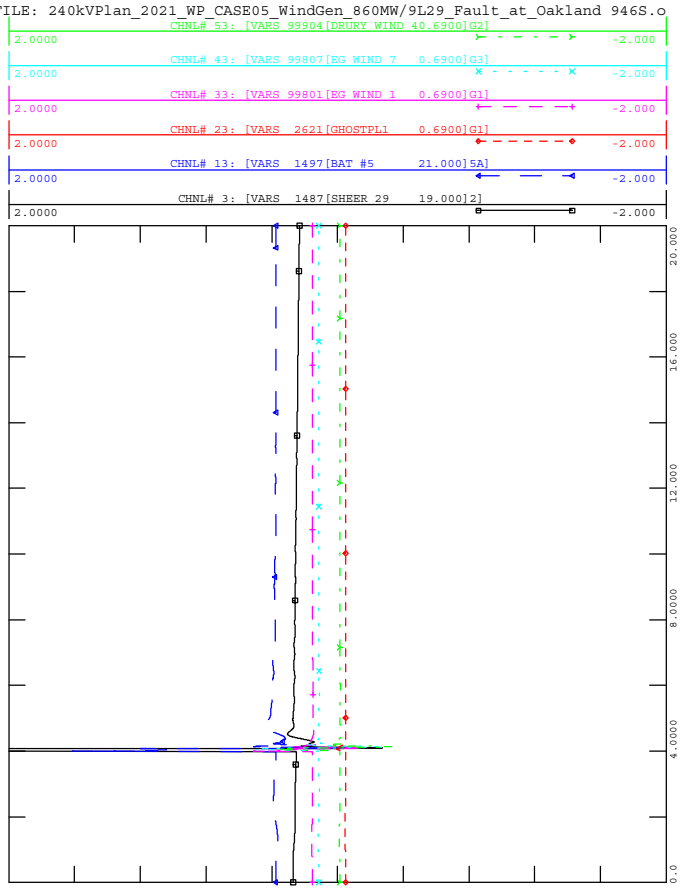


MON, NOV 21 2016 12:58

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Oakland 946S.o



MON, NOV 21 2016 12:58

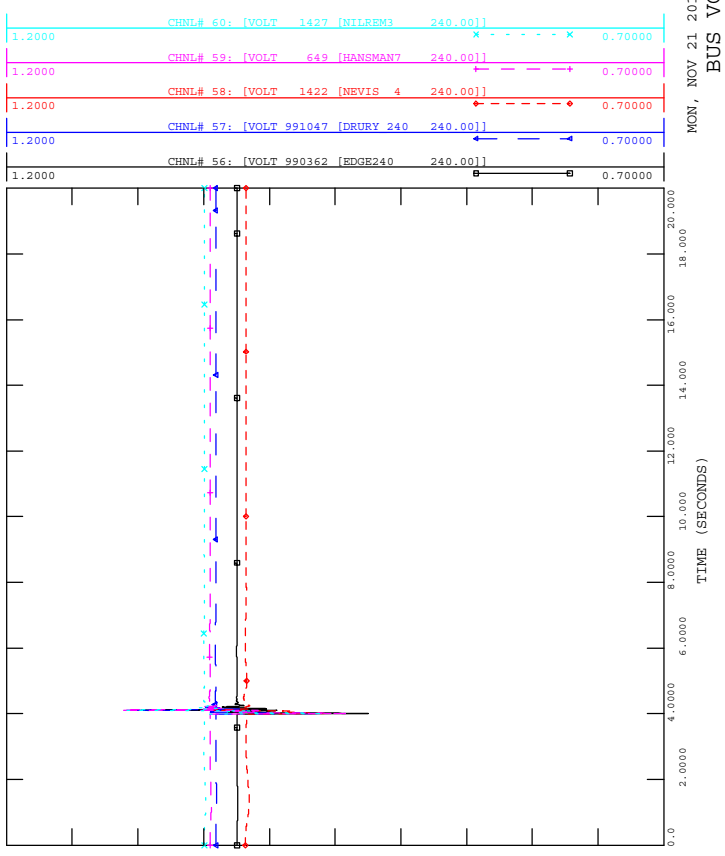
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96

MON, NOV 21 2016 12:58

BUS VOLTAGE

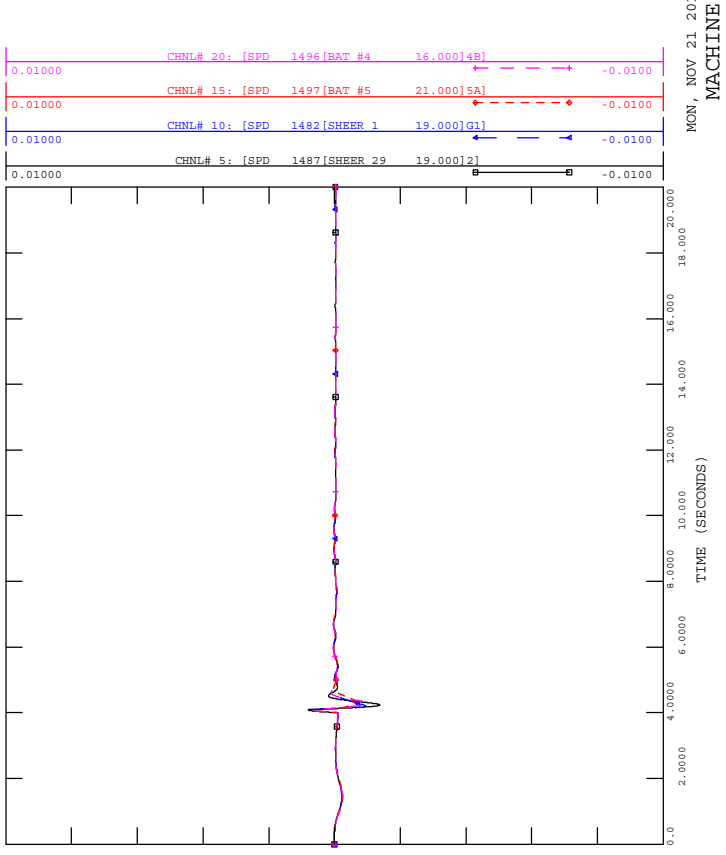


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96

MON, NOV 21 2016 12:58

MACHINE SPEED

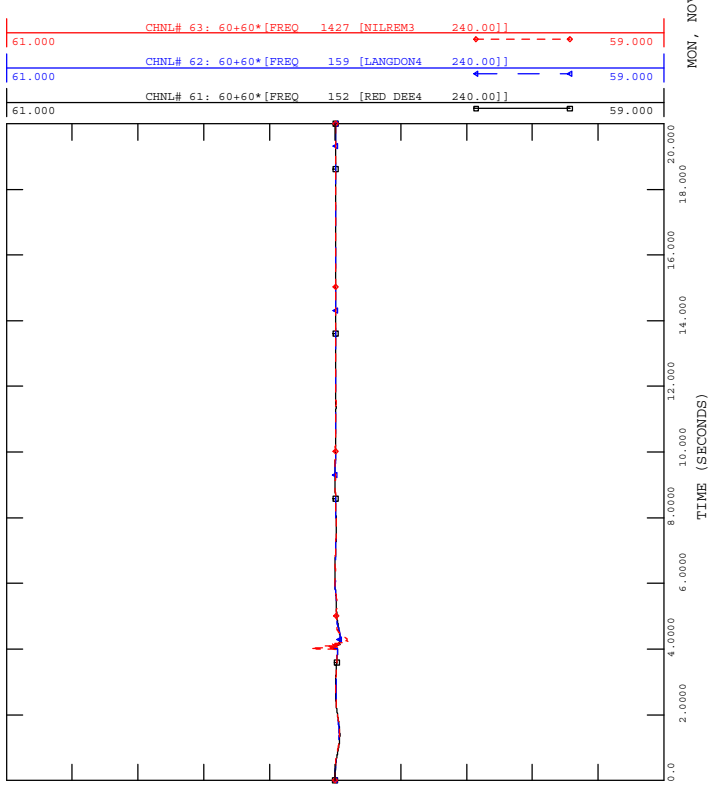


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96

MON, NOV 21 2016 12:58

FREQUENCY

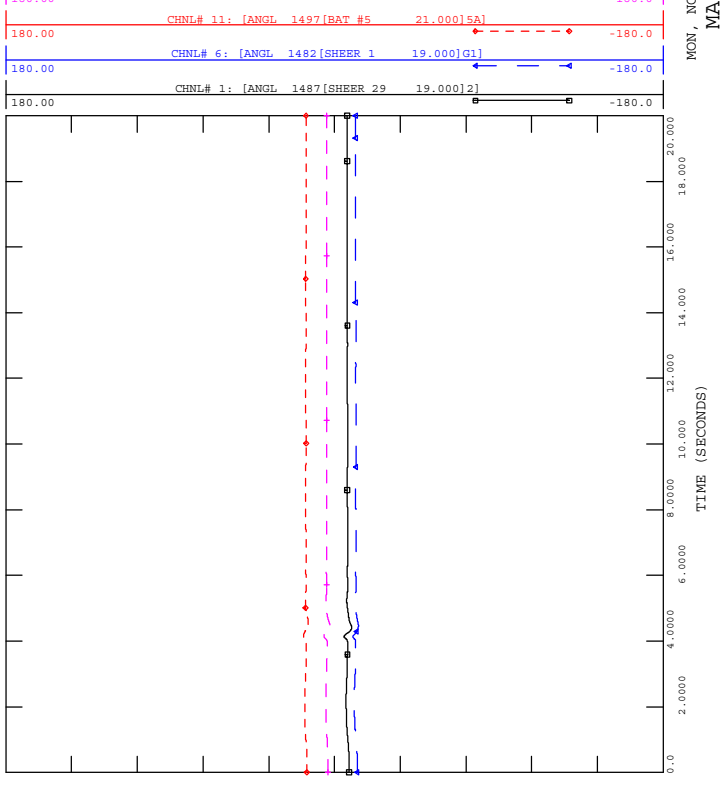


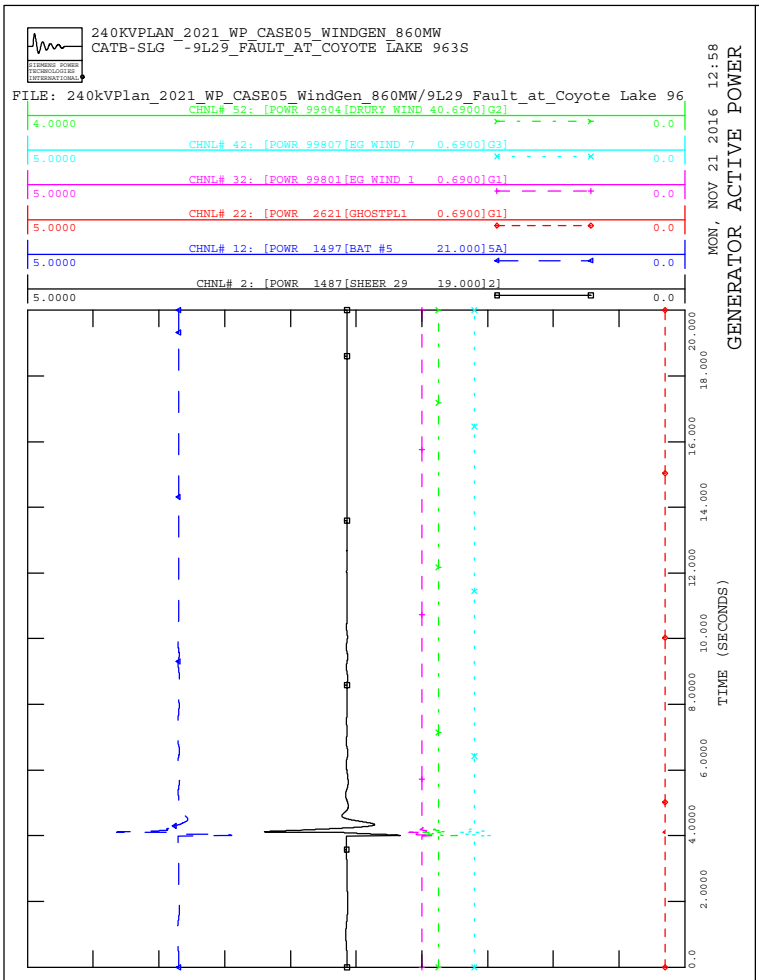
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S

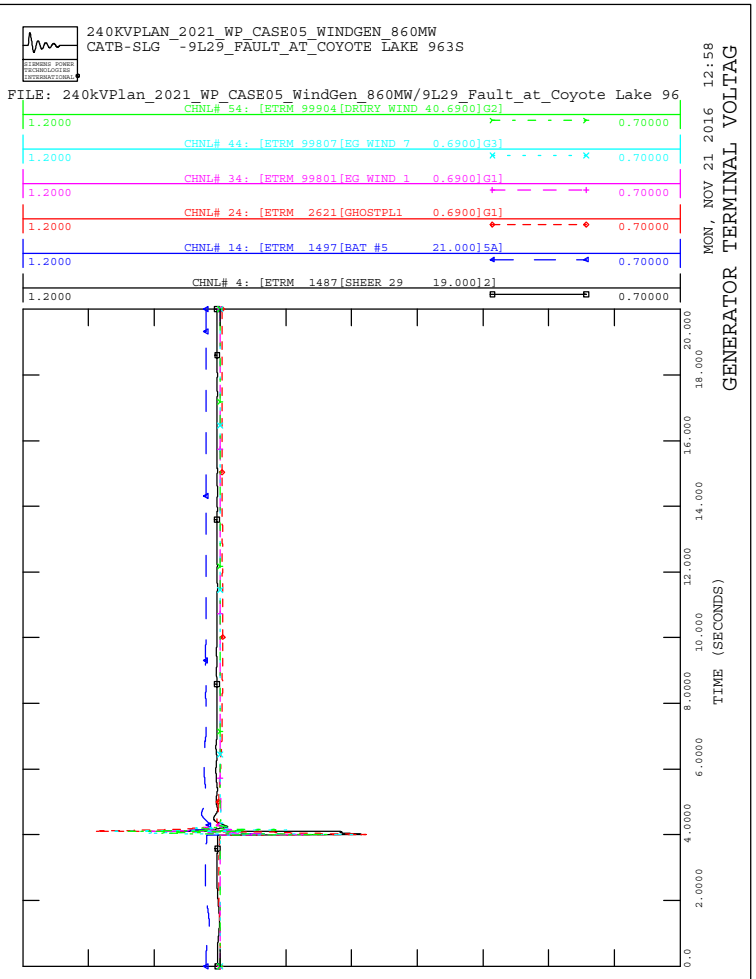
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96

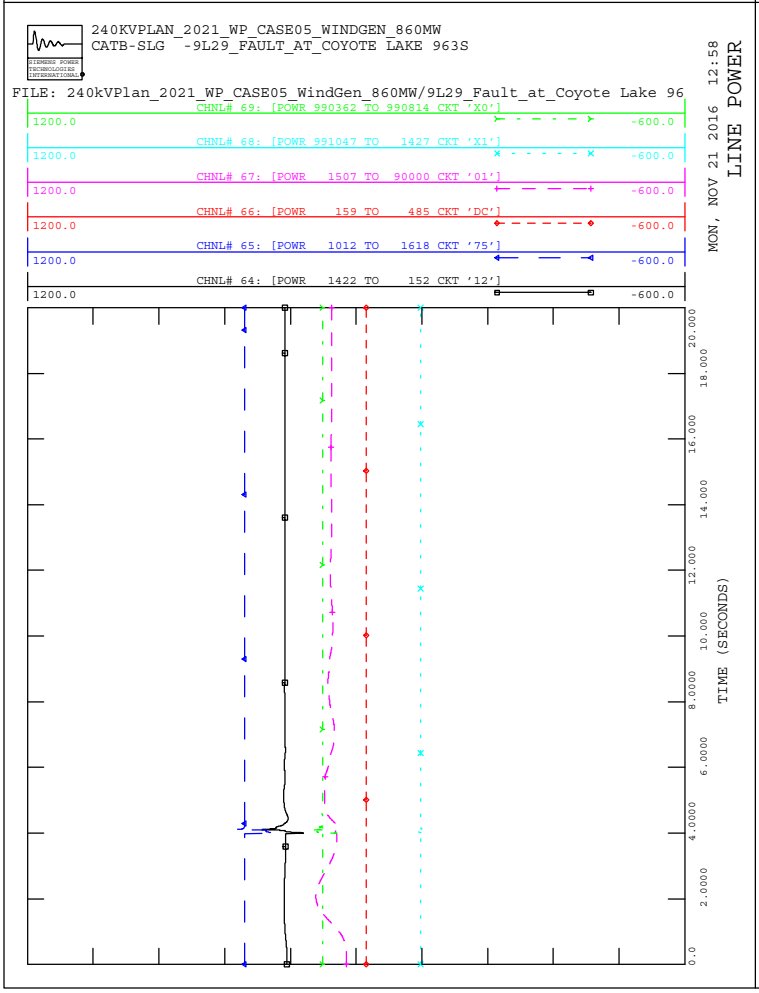
MON, NOV 21 2016 12:58

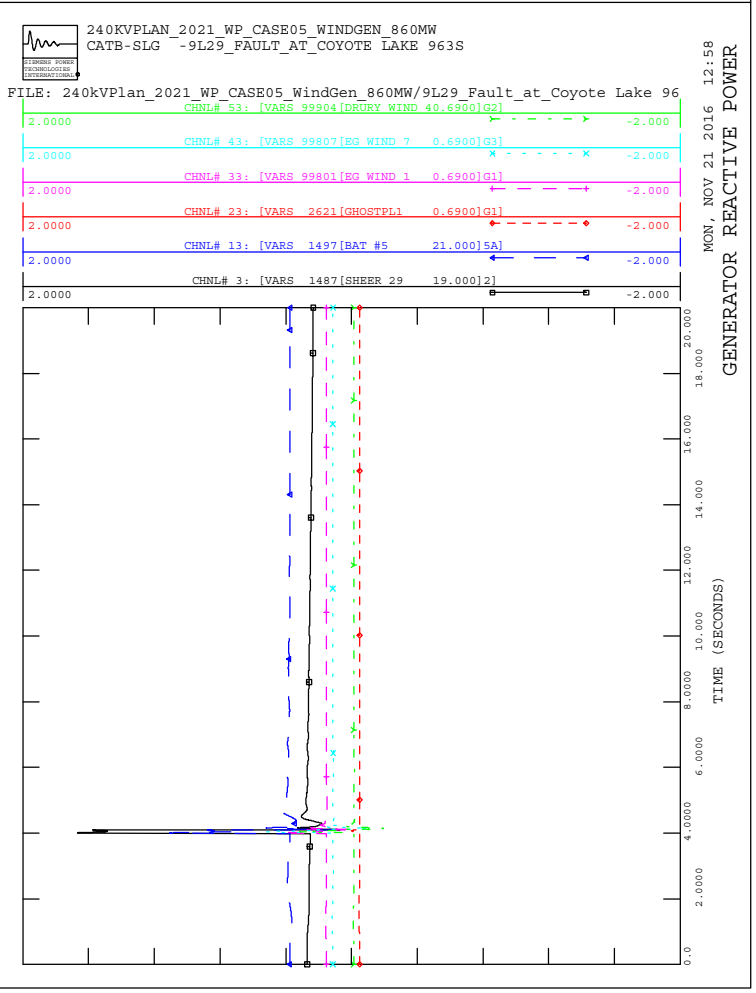
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:58
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:58
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:58
LINE POWER
TIME (SECONDS)

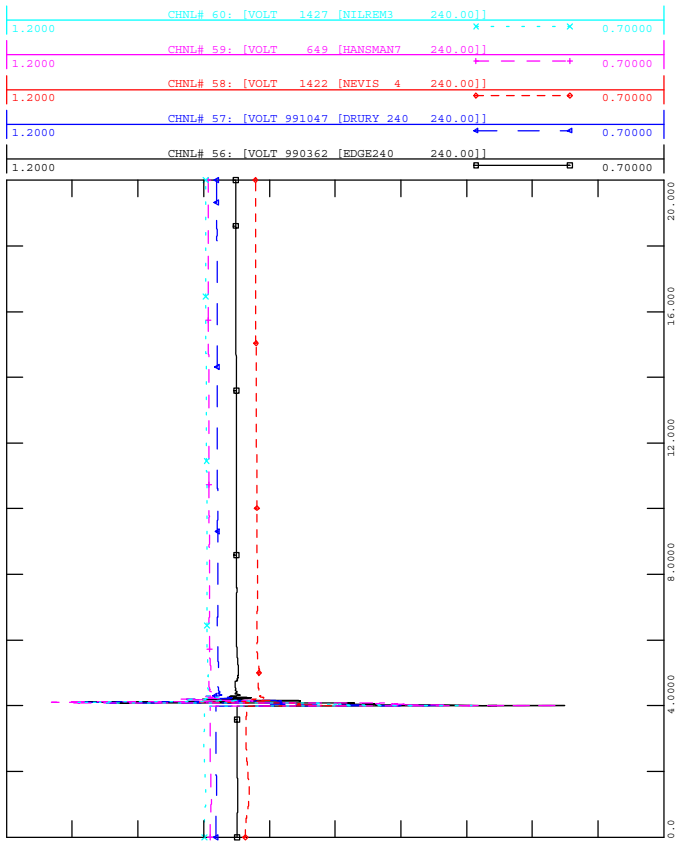

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L29_FAULT_AT_COYOTE LAKE 963S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L29_Fault_at_Coyote Lake 96
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:58
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

MON, NOV 21 2016 12:58

BUS VOLTAGE

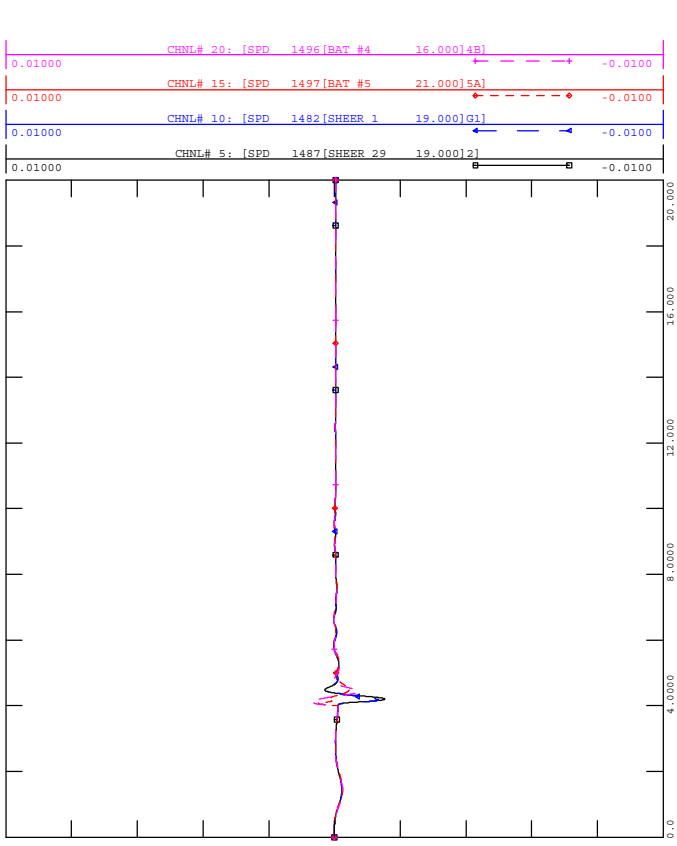


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

MON, NOV 21 2016 12:58

MACHINE SPEED

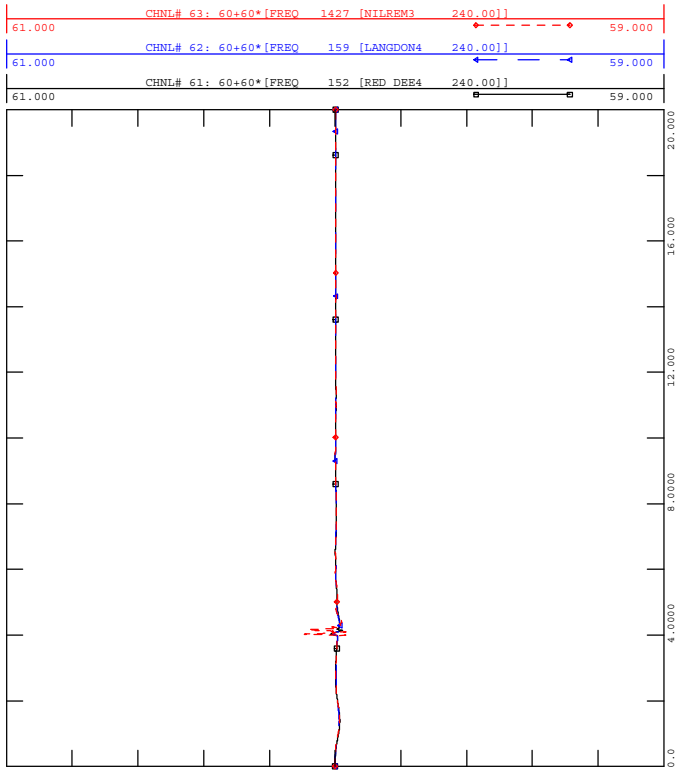


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

MON, NOV 21 2016 12:58

FREQUENCY

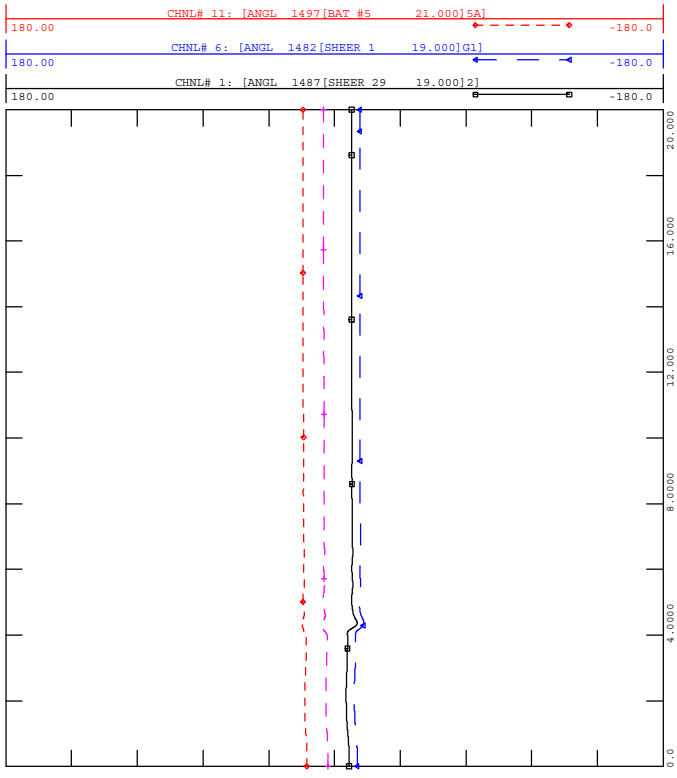


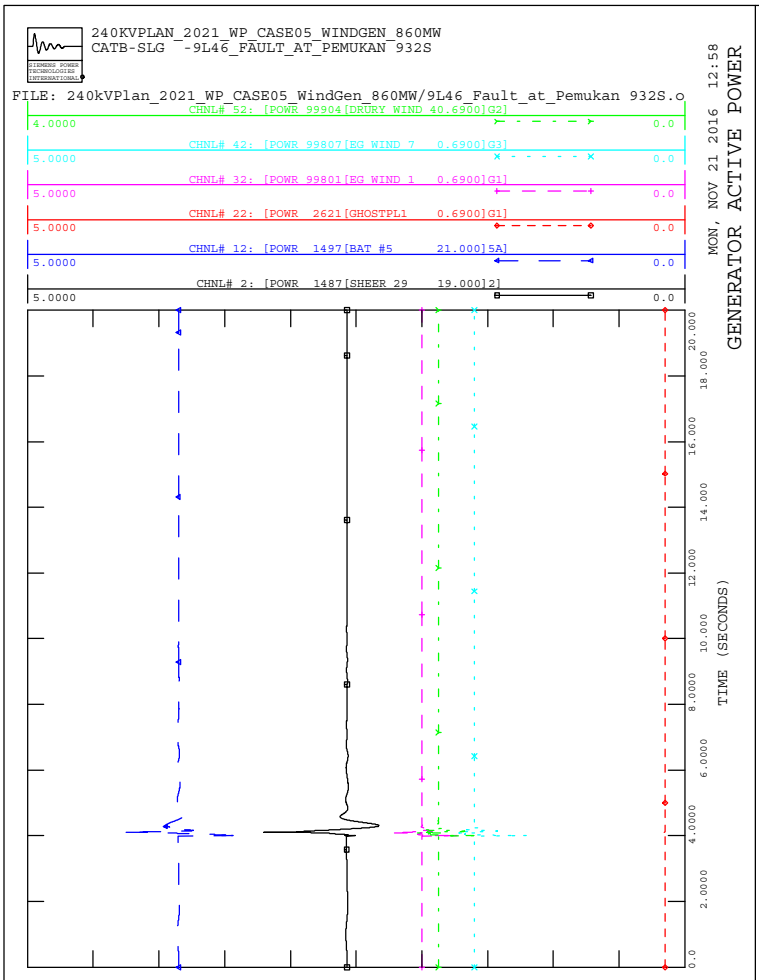
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S

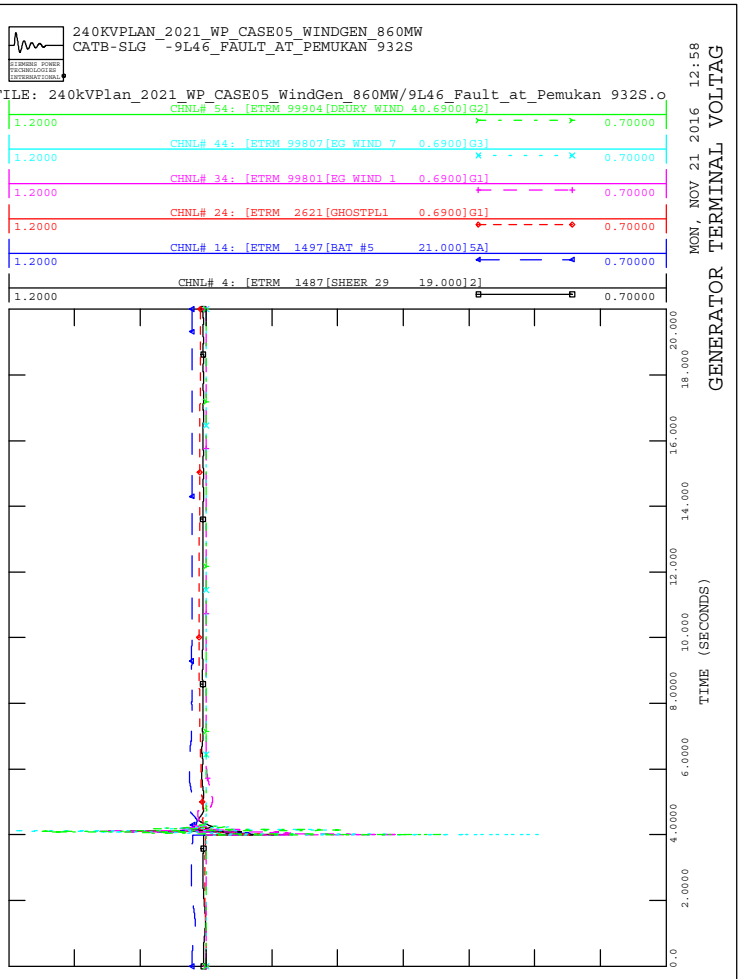
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o

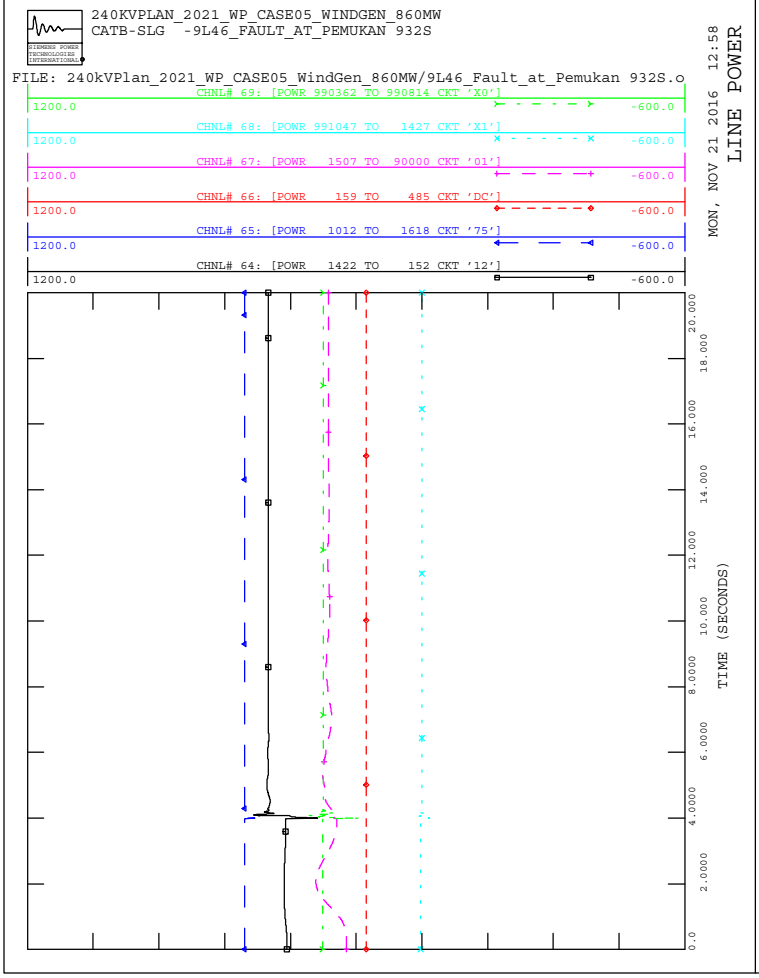
MON, NOV 21 2016 12:58

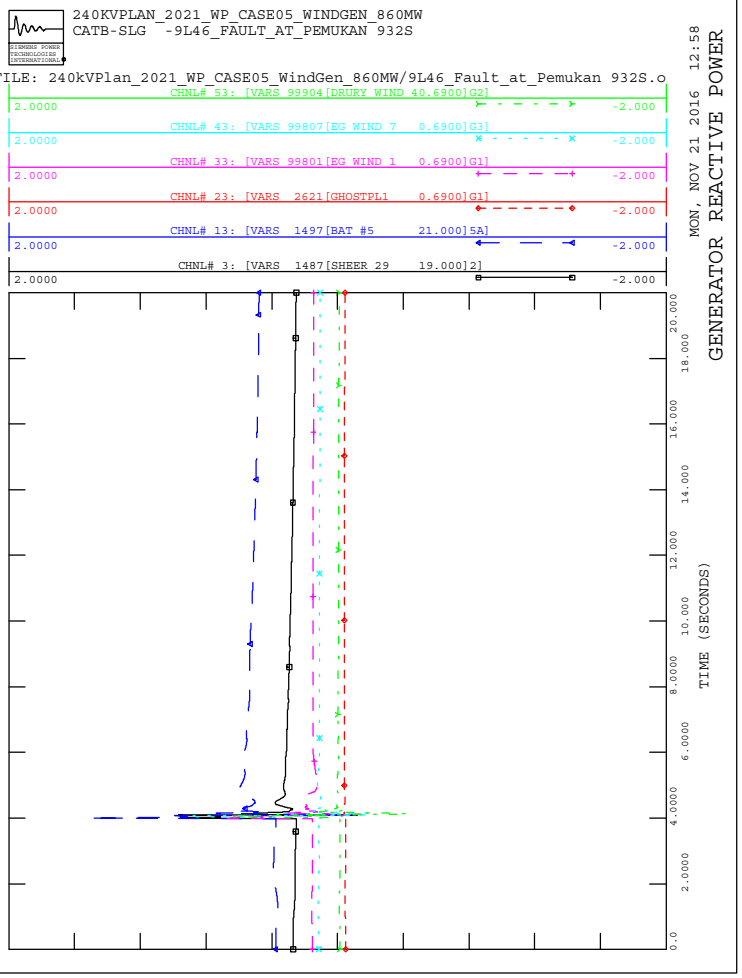
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)

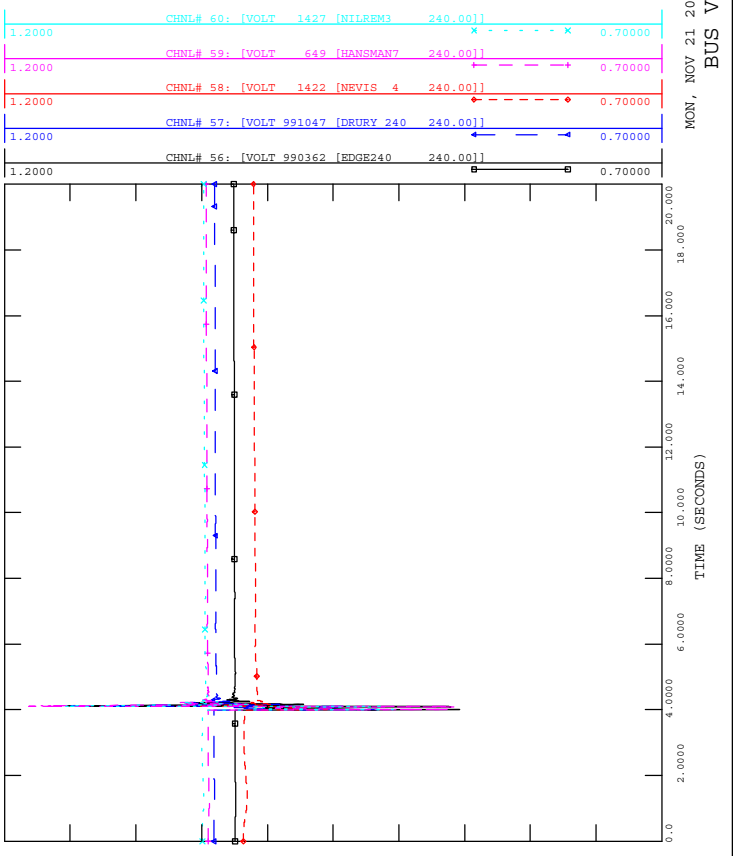

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_PEMUKAN 932S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Pemukan 932S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:58

BUS VOLTAGE

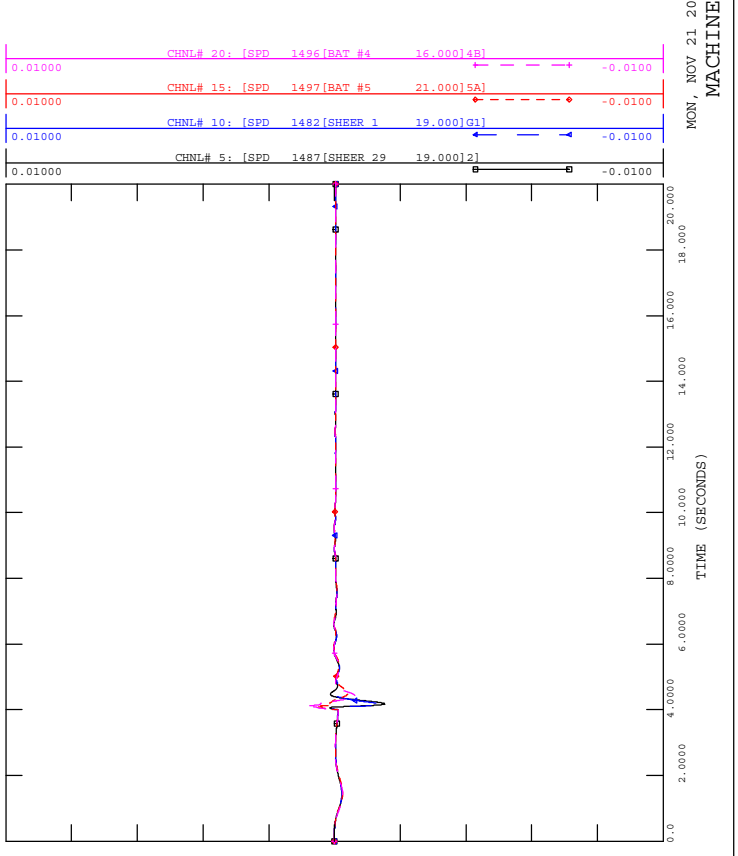


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:58

MACHINE SPEED

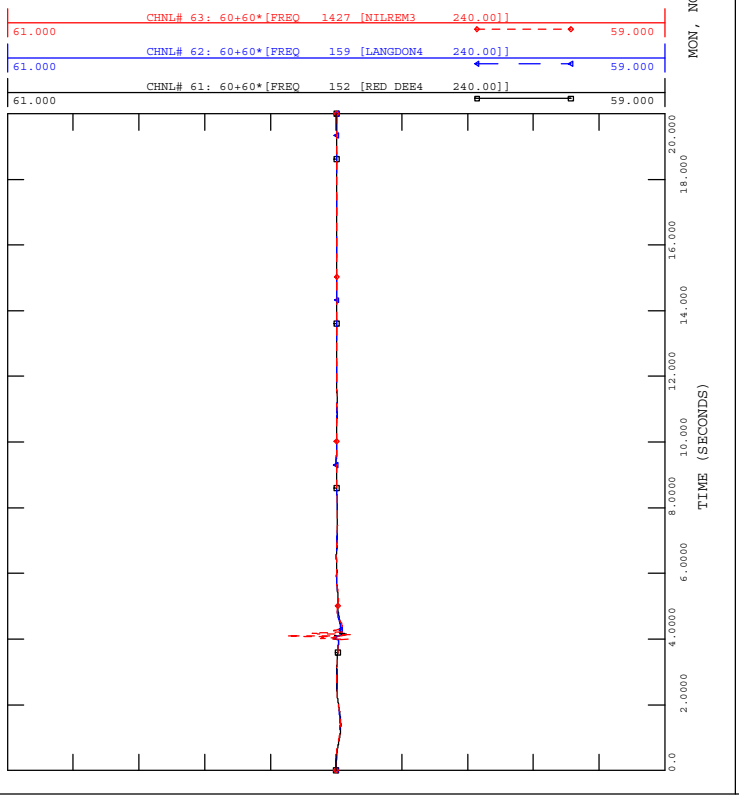


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

MON, NOV 21 2016 12:58

FREQUENCY

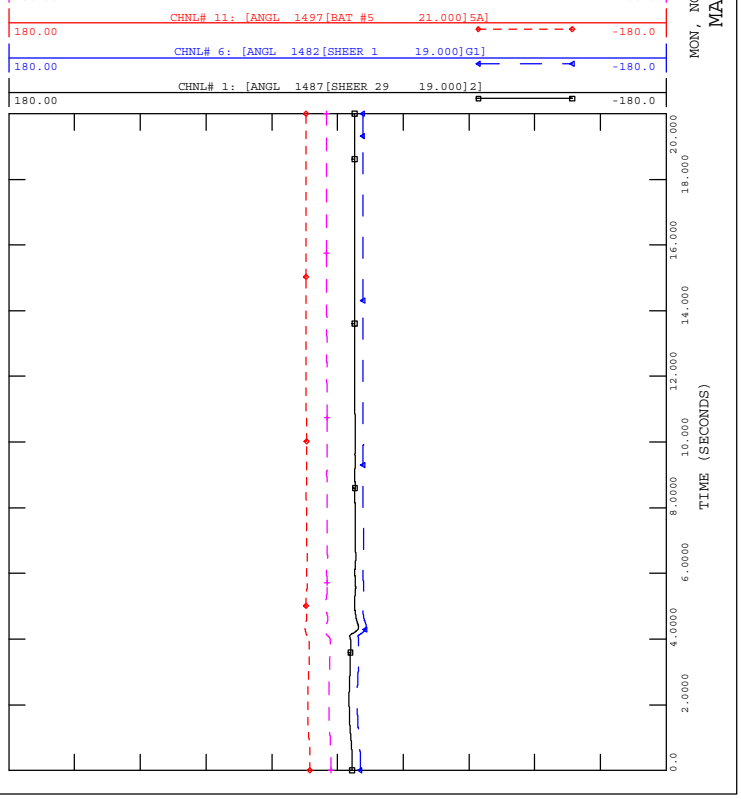


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o

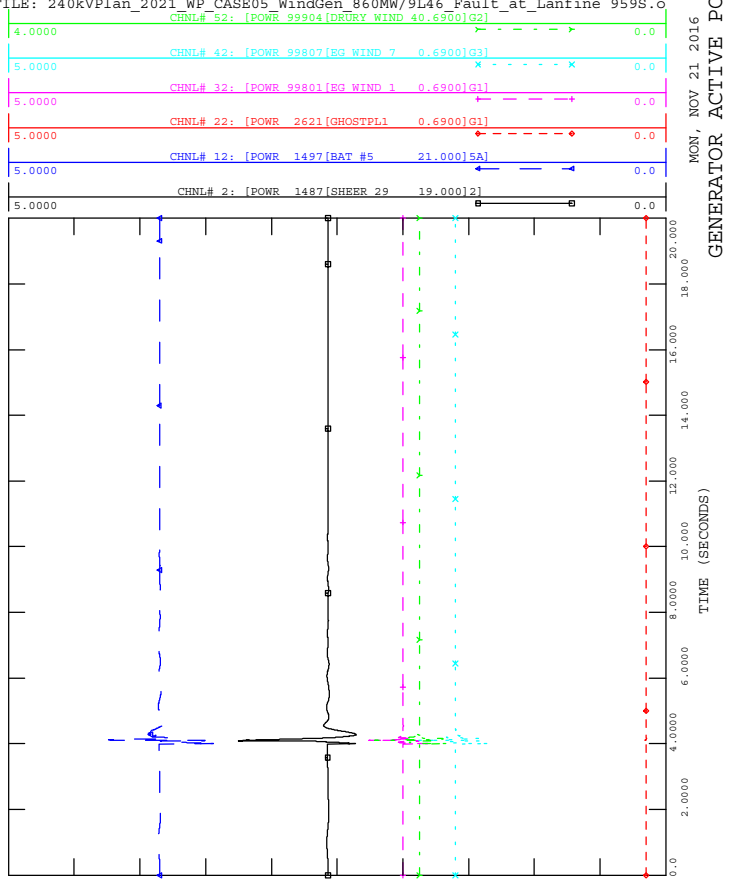
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o



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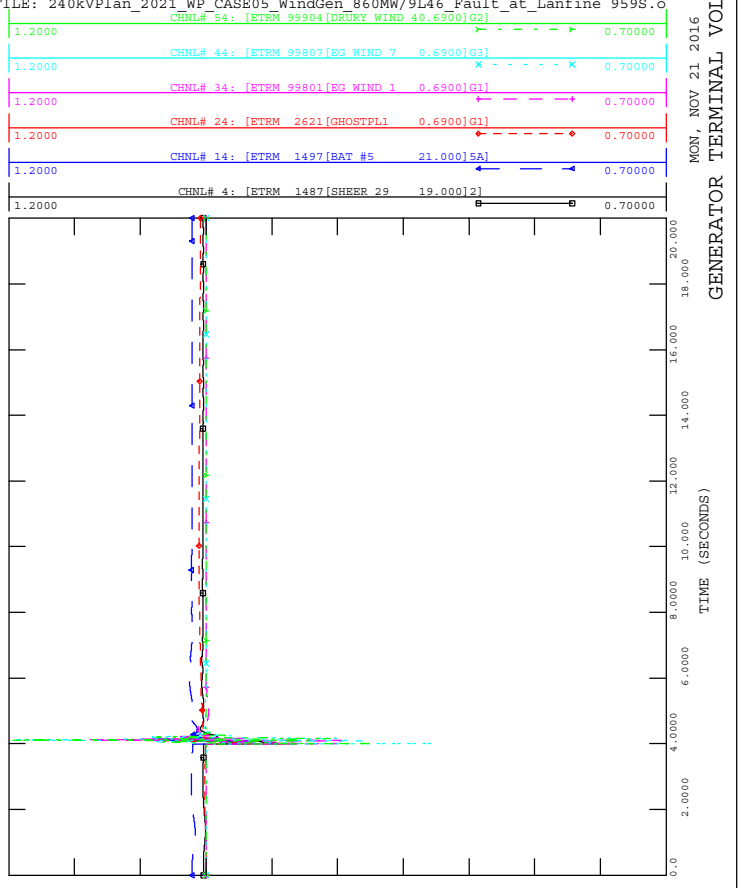
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o



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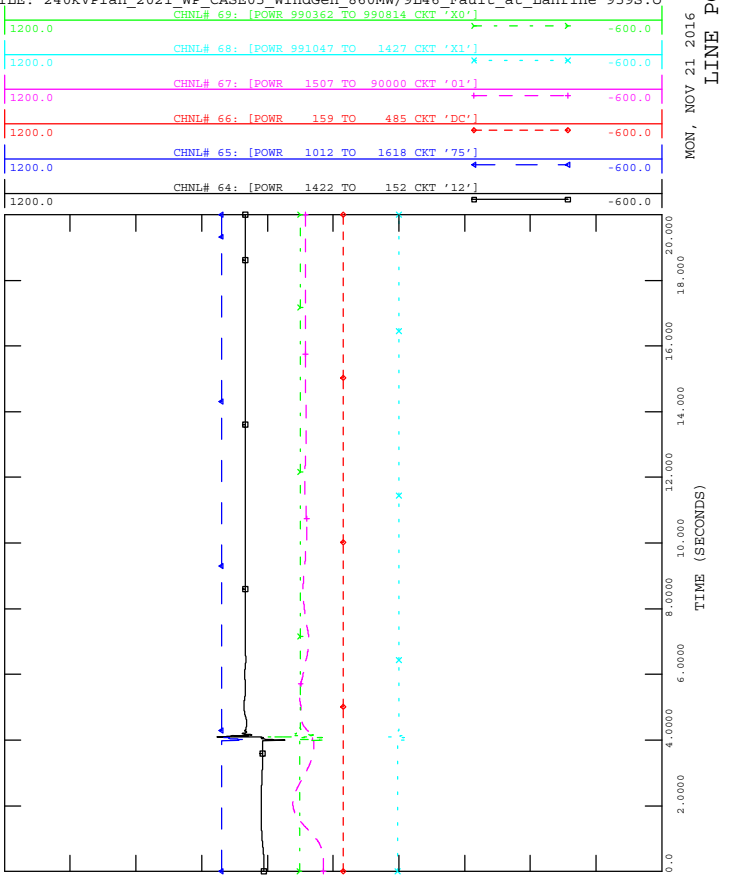
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o



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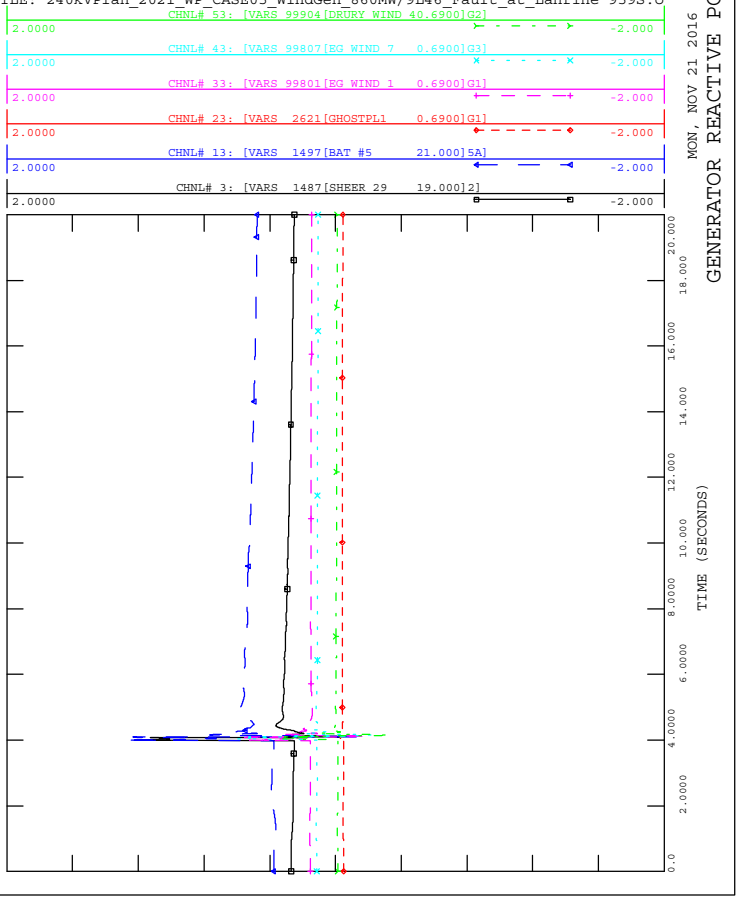
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L46_FAULT_AT_LANFINE 959S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_Fault_at_Lanfine 959S.o



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GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972

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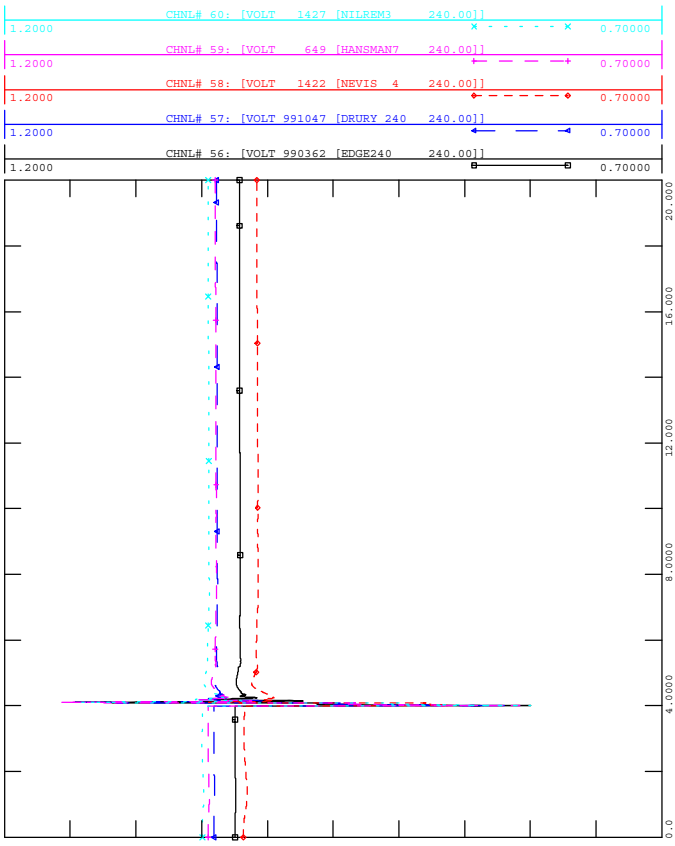
BUS VOLTAGE

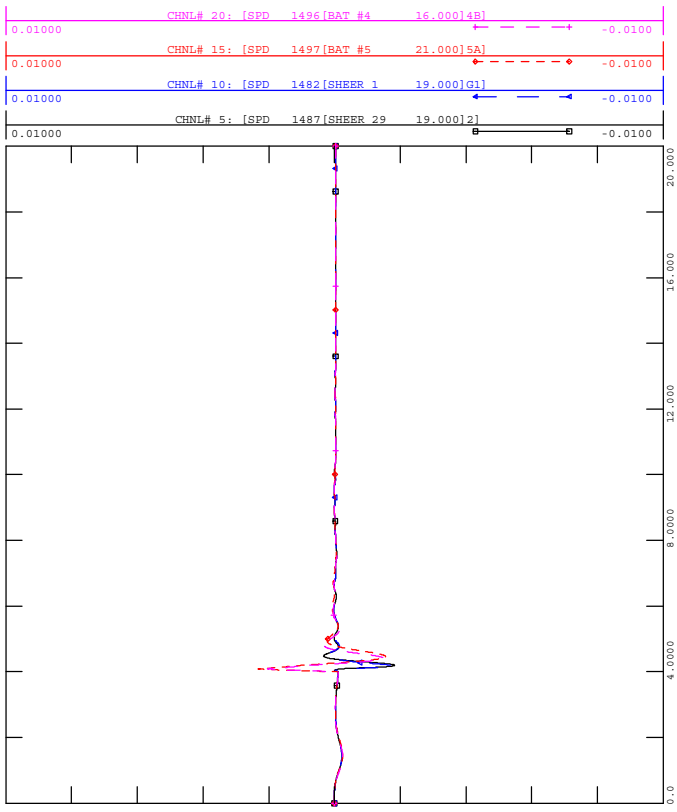


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972

MON, NOV 21 2016 12:58

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972

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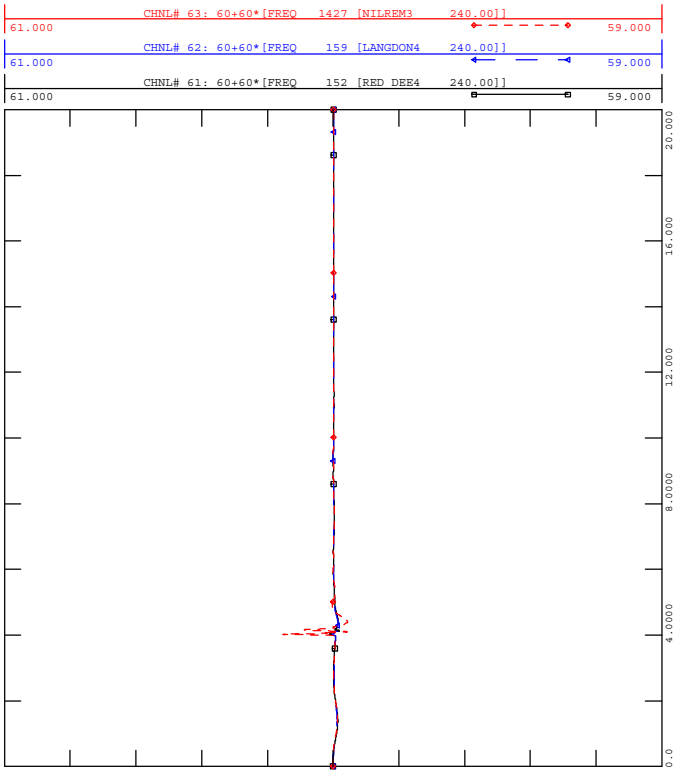
FREQUENCY

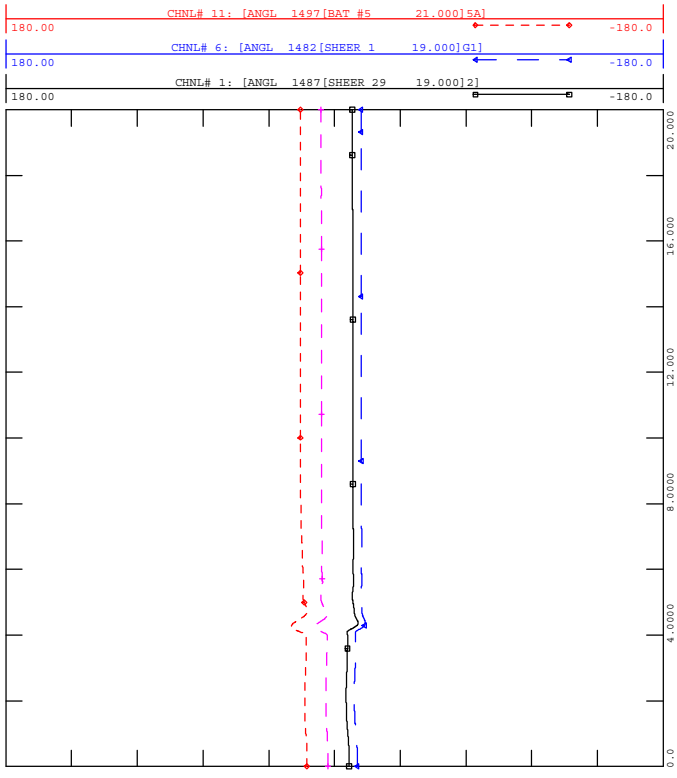


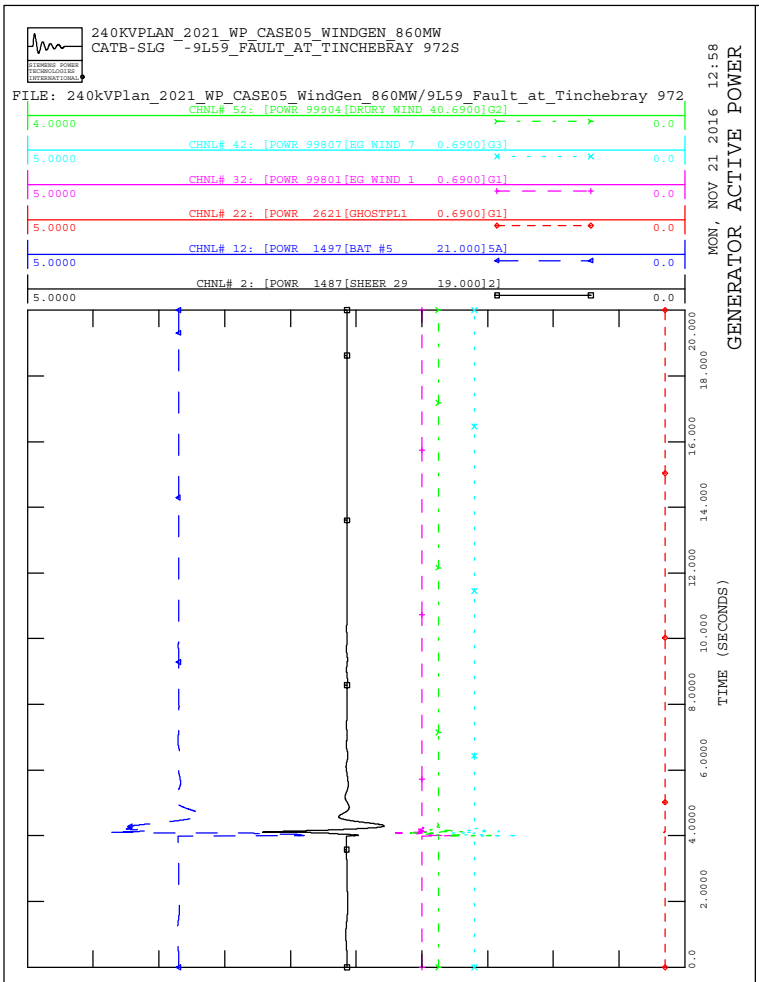
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S

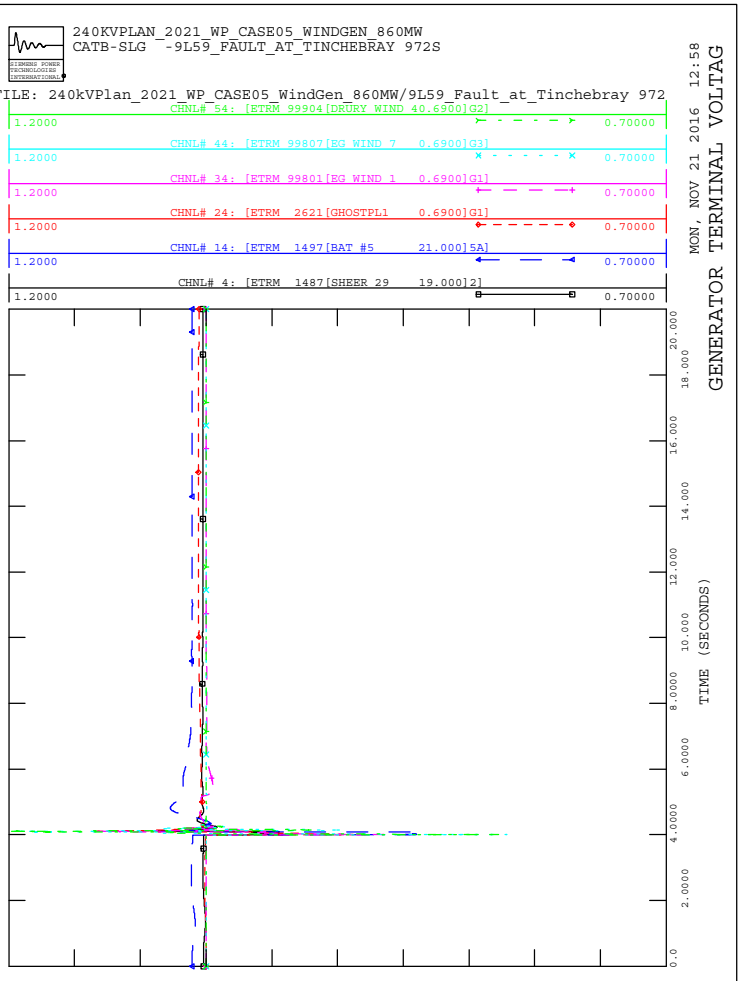
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972

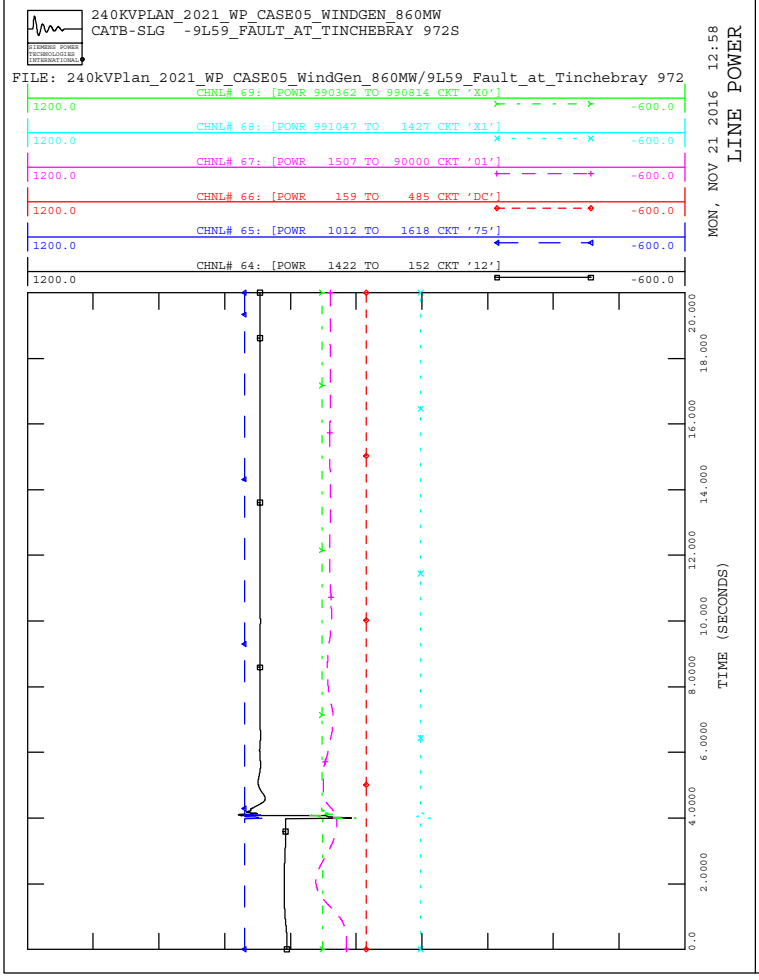
MON, NOV 21 2016 12:58

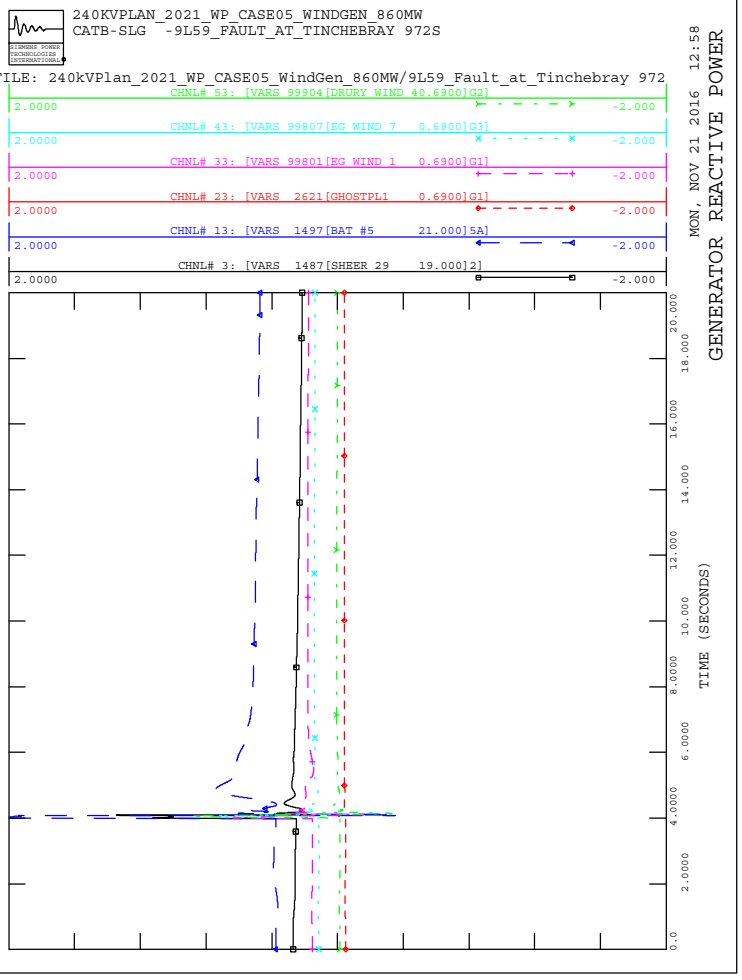
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:58
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:58
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:58
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_TINCHEBRAY 972S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Tinchebray 972
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:58
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.

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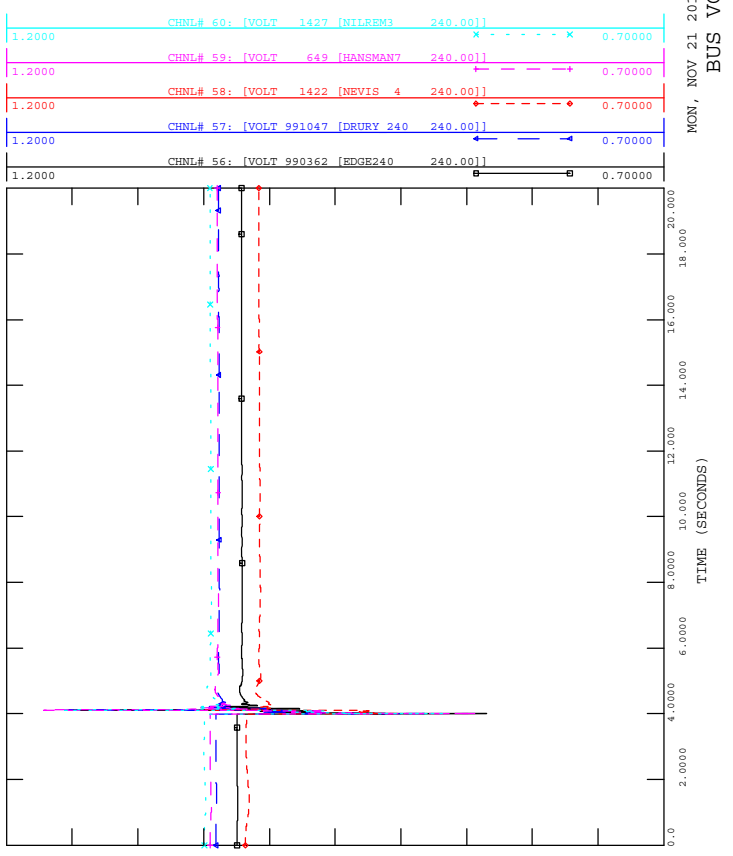
BUS VOLTAGE

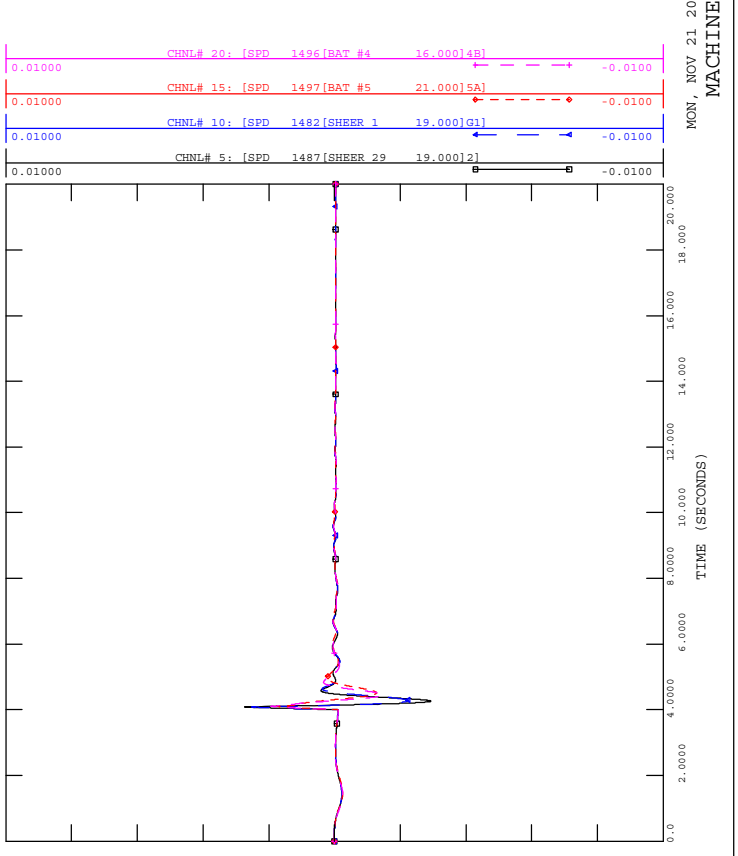


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:58

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.

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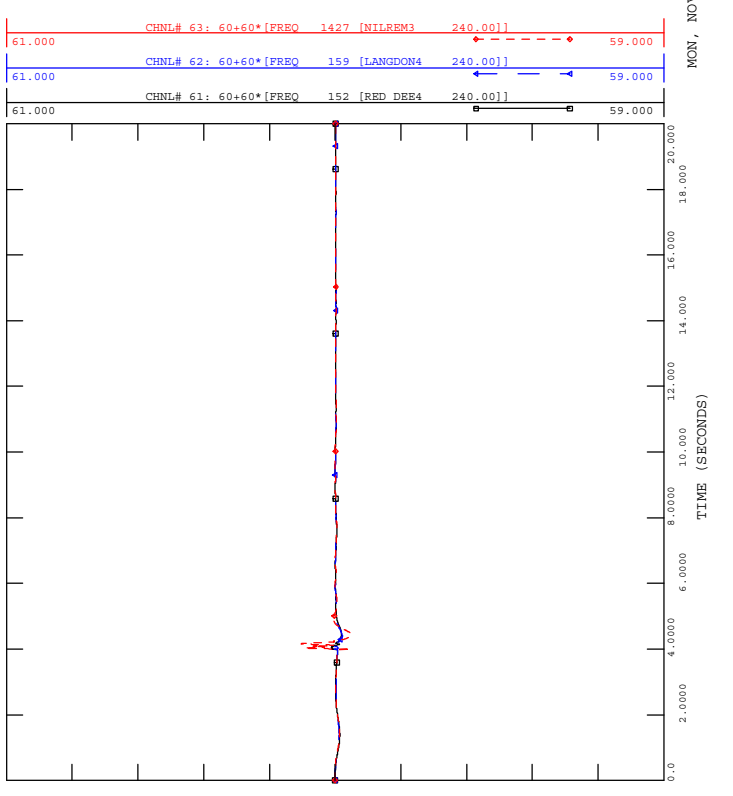
FREQUENCY



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.

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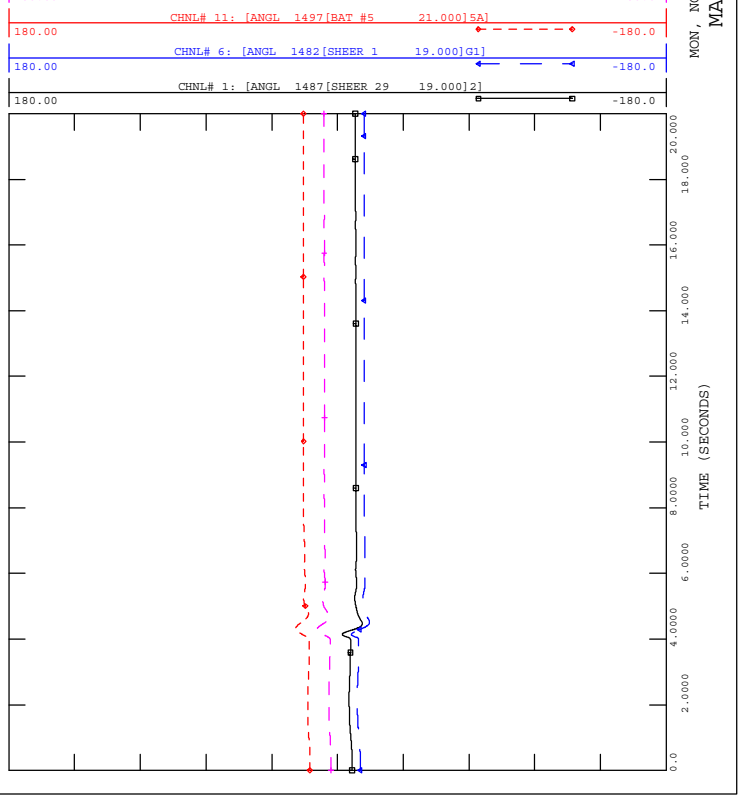
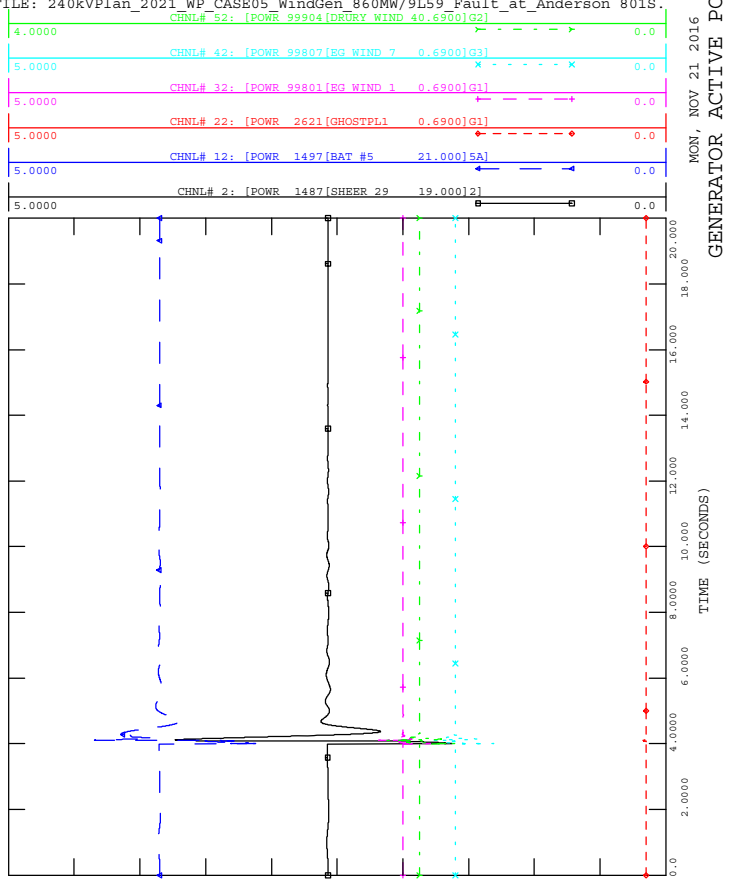
MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.



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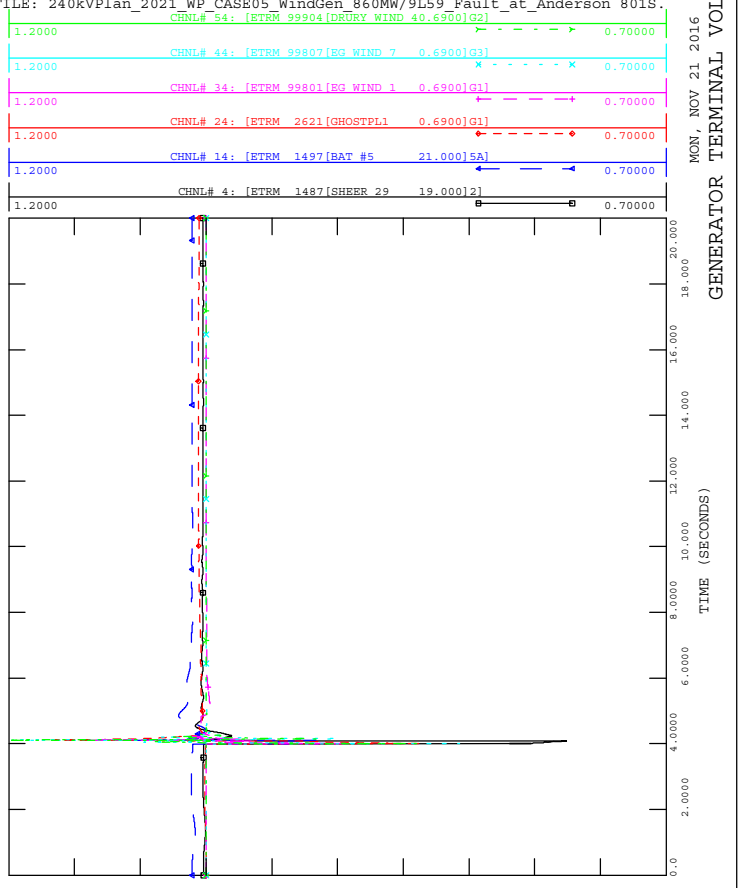
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.



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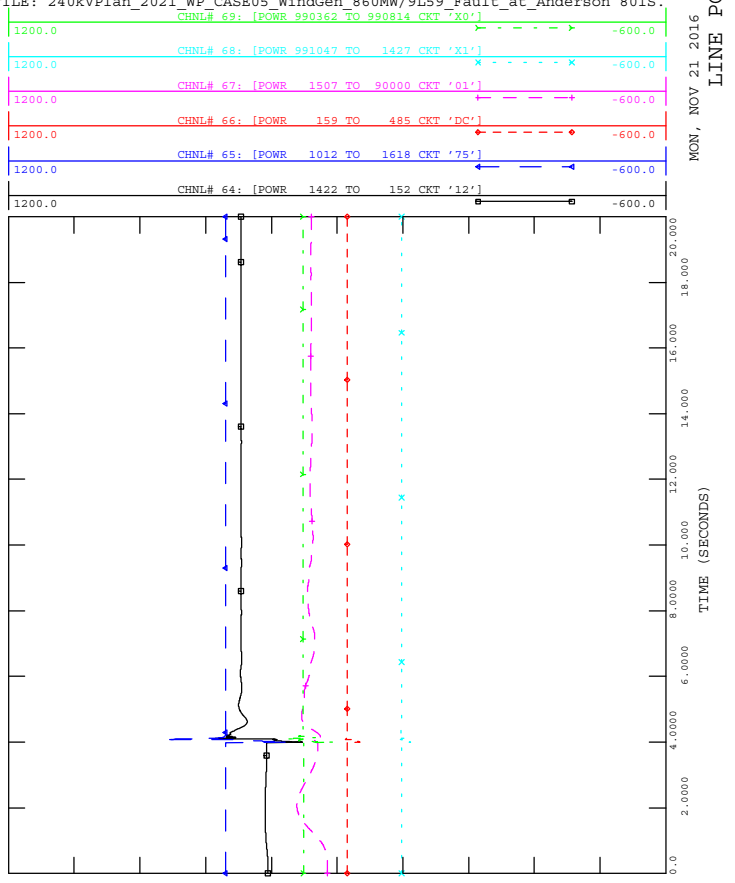
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.



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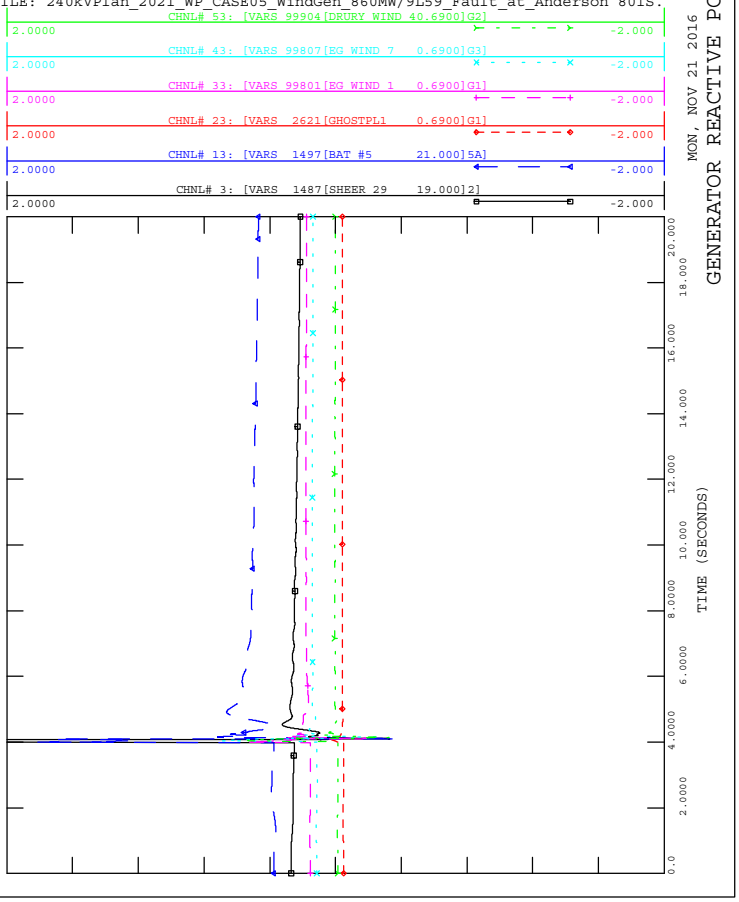
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L59_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L59_Fault_at_Anderson 801S.



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GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

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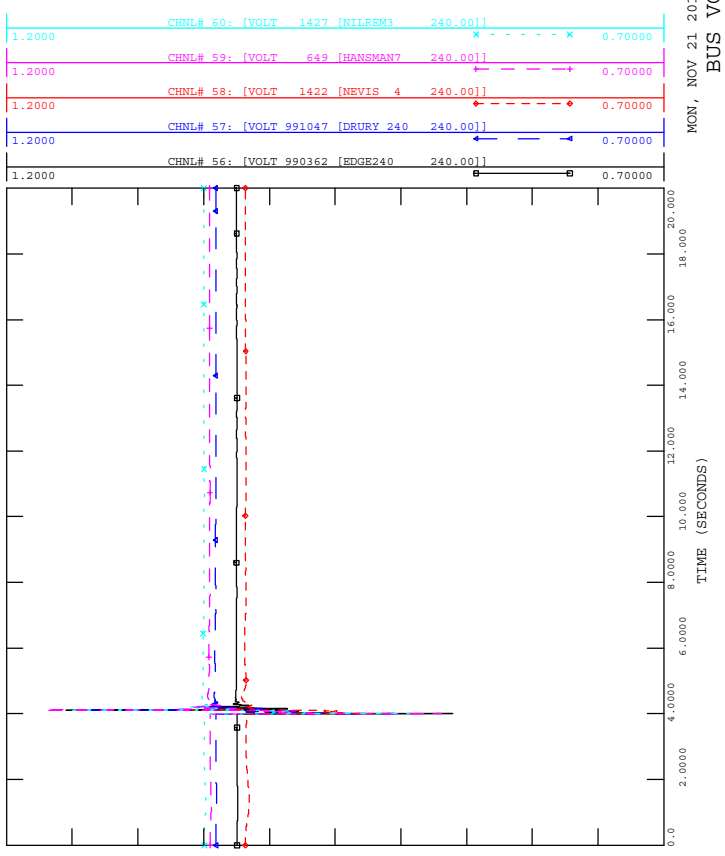
BUS VOLTAGE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

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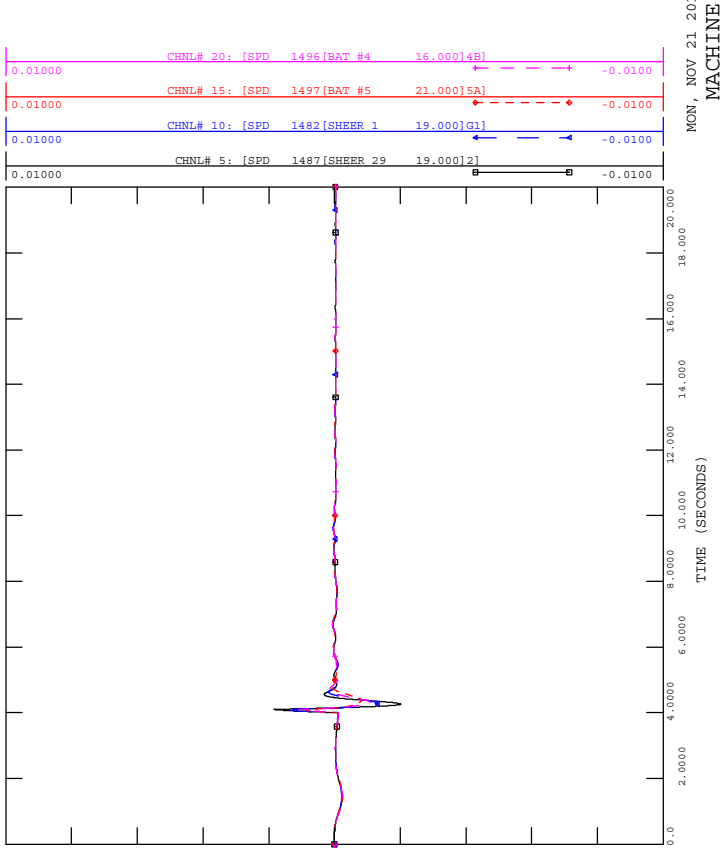
MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

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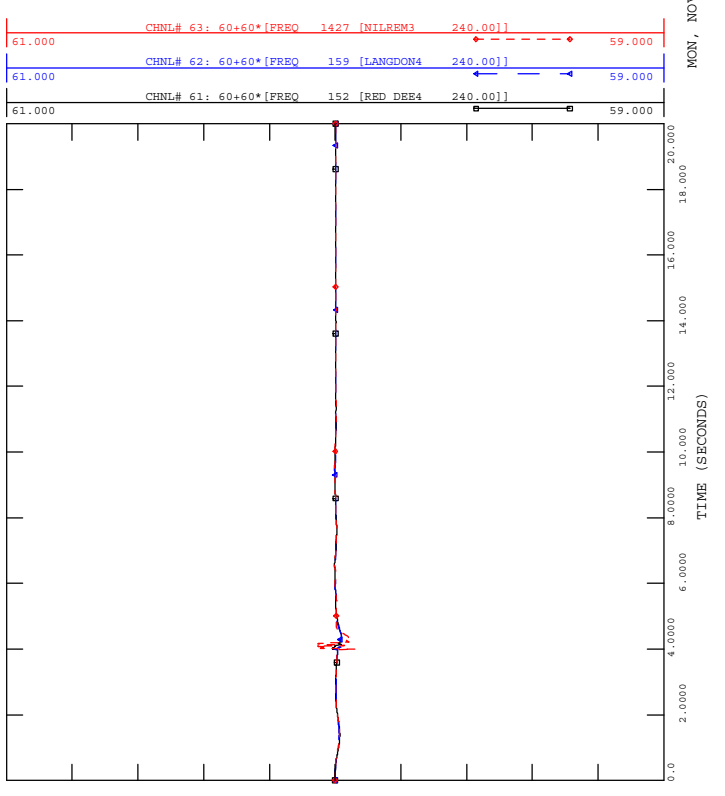
FREQUENCY



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

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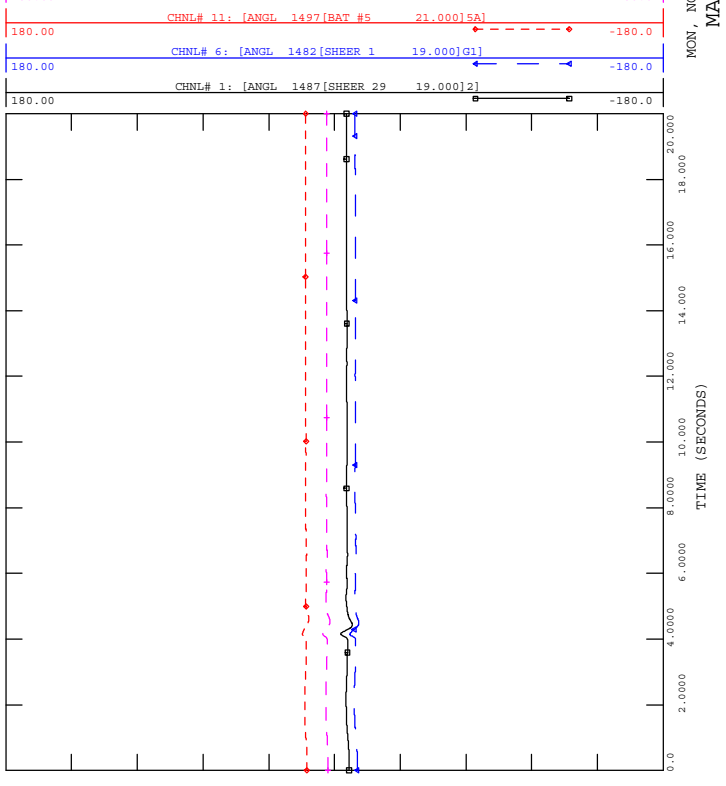
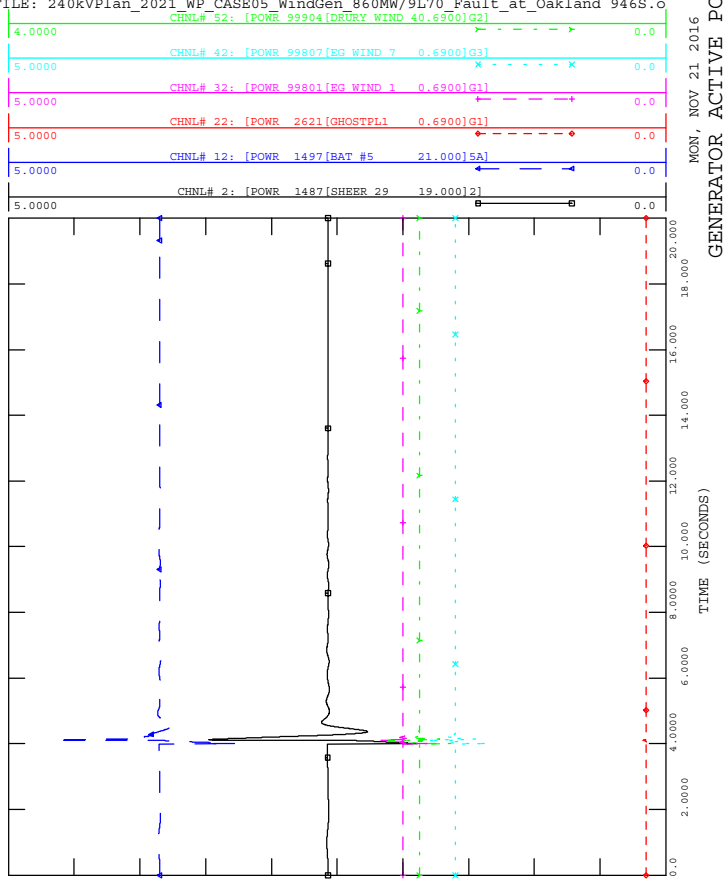
MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

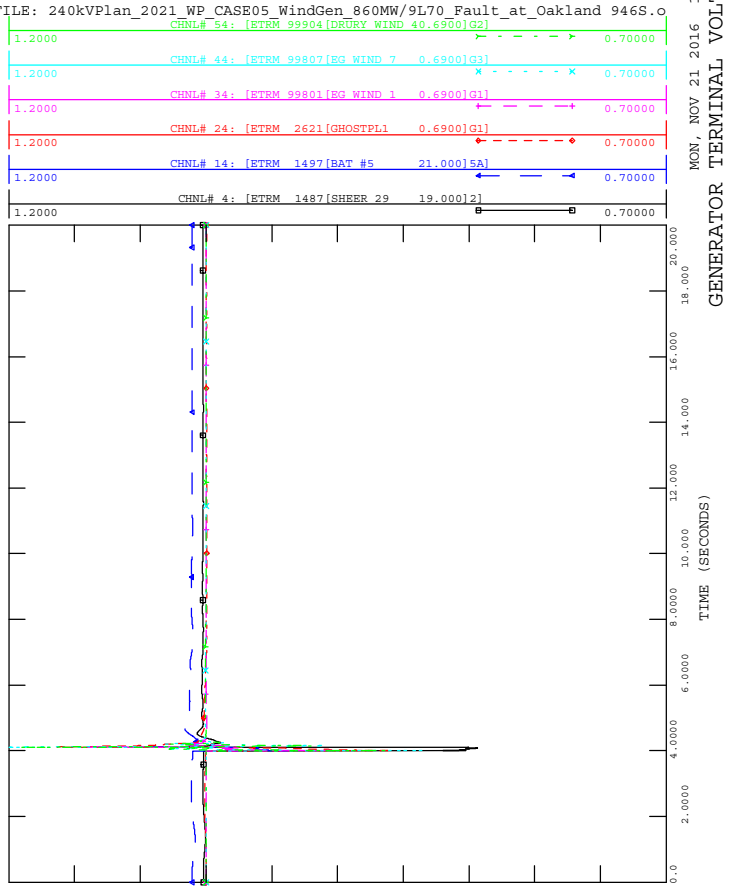


MON, NOV 21 2016 12:58

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o



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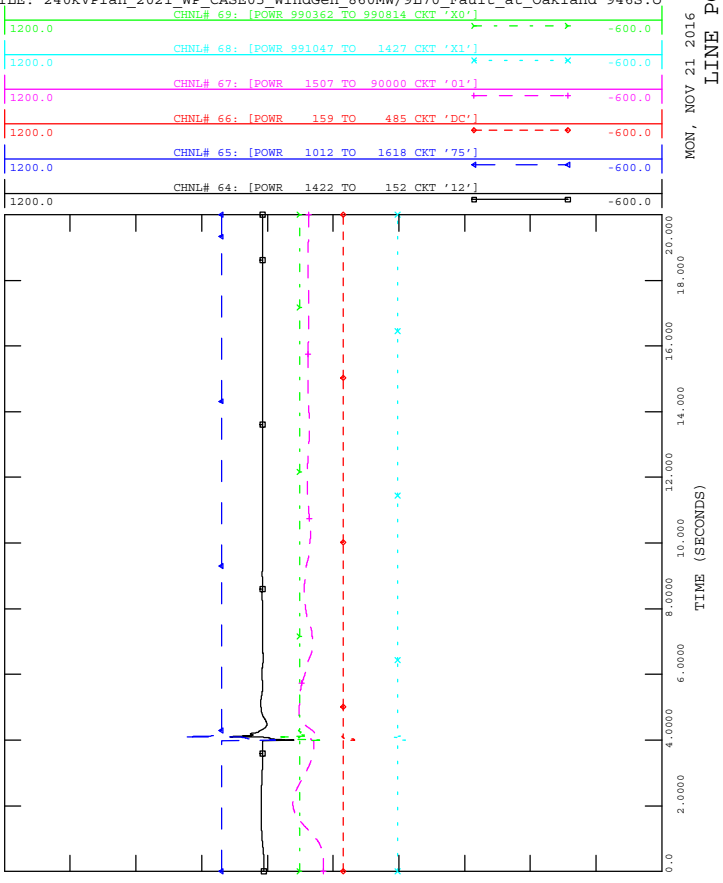
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o

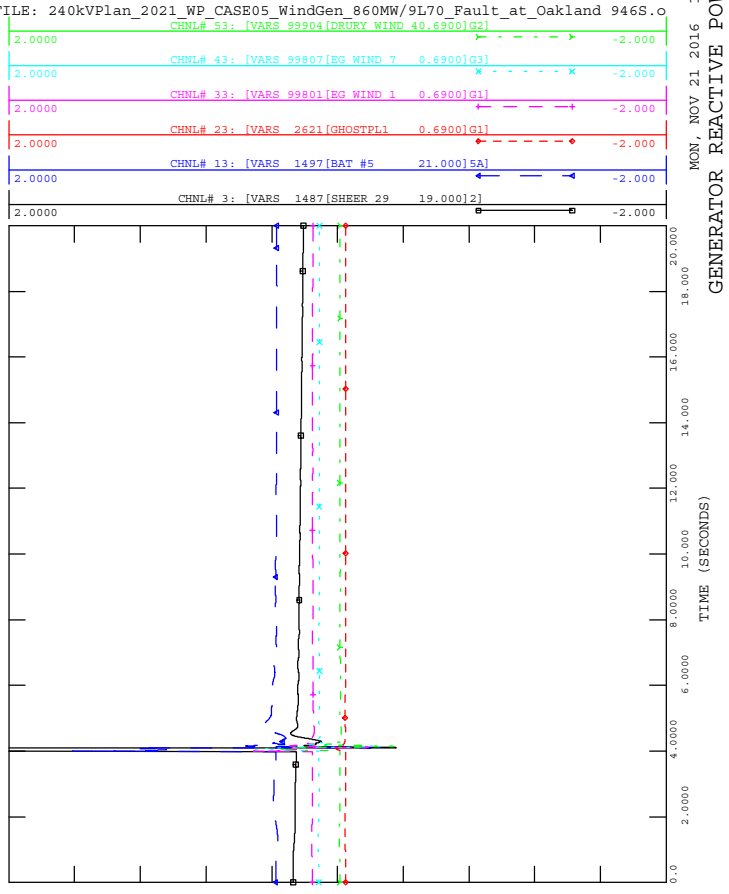


MON, NOV 21 2016 12:58

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Oakland 946S.o



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GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.

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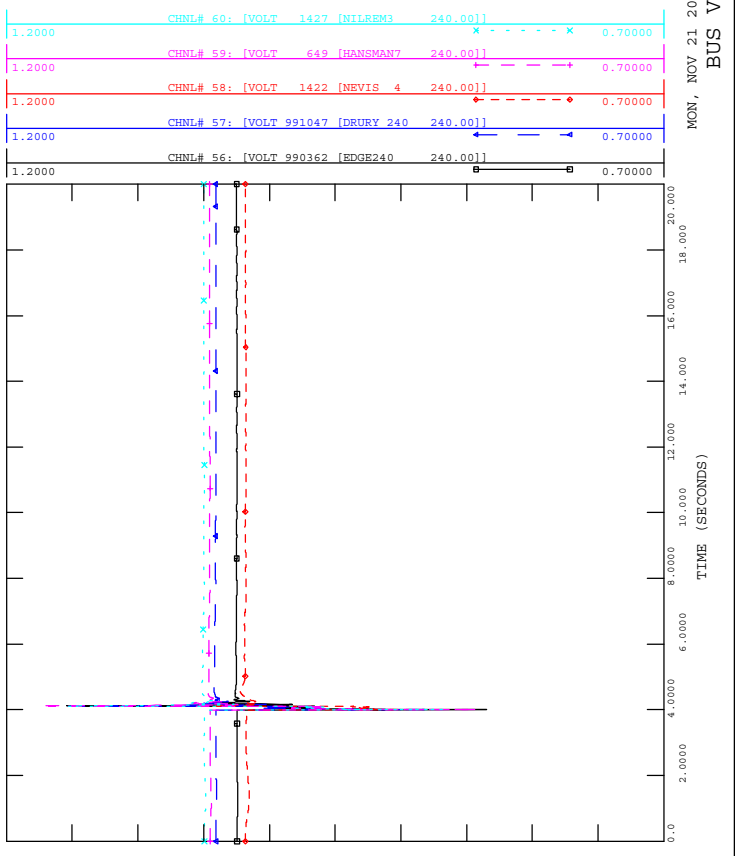
BUS VOLTAGE

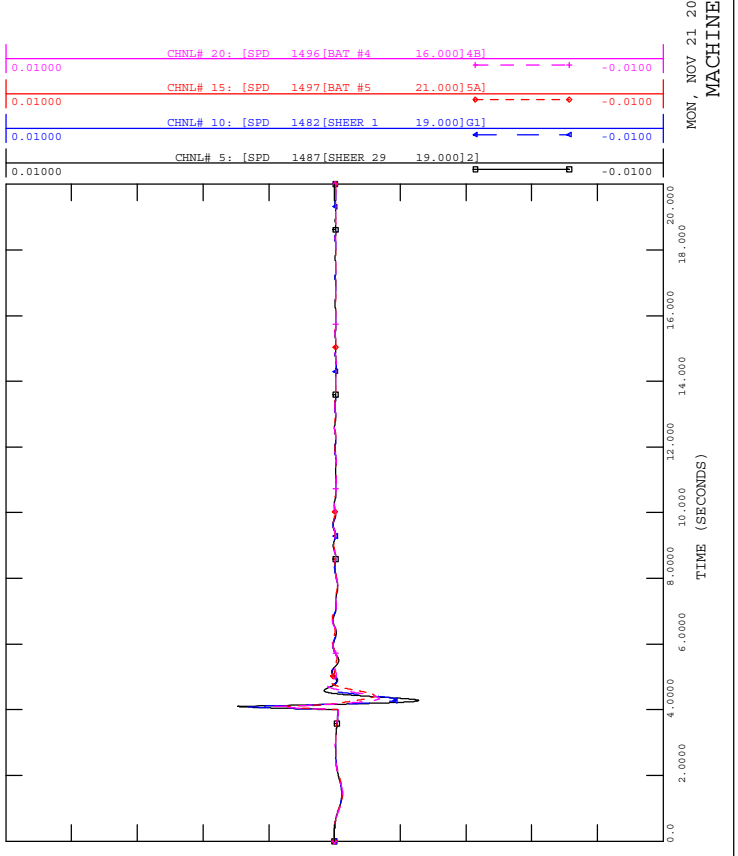


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:58

MACHINE SPEED

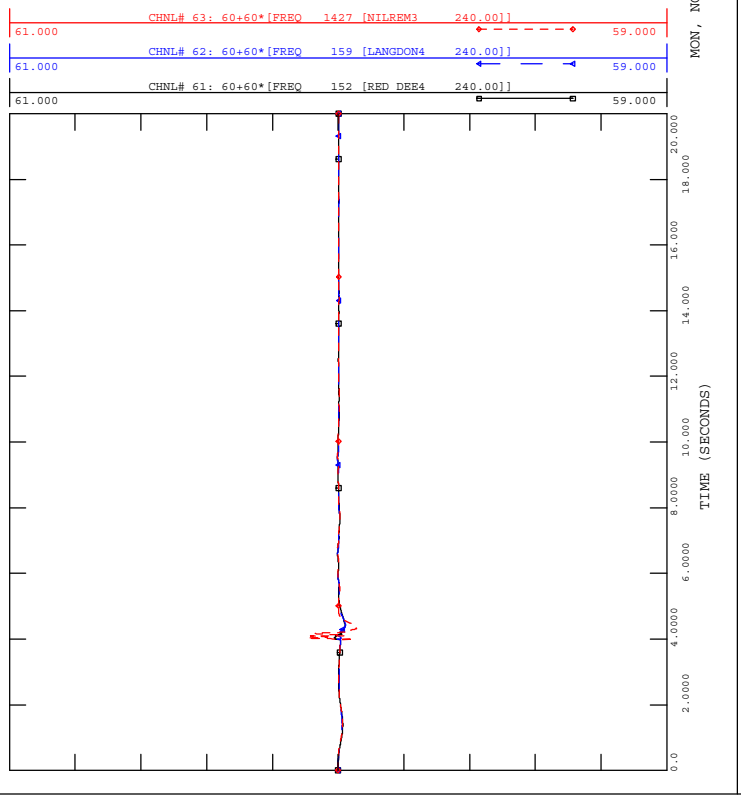


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:58

FREQUENCY

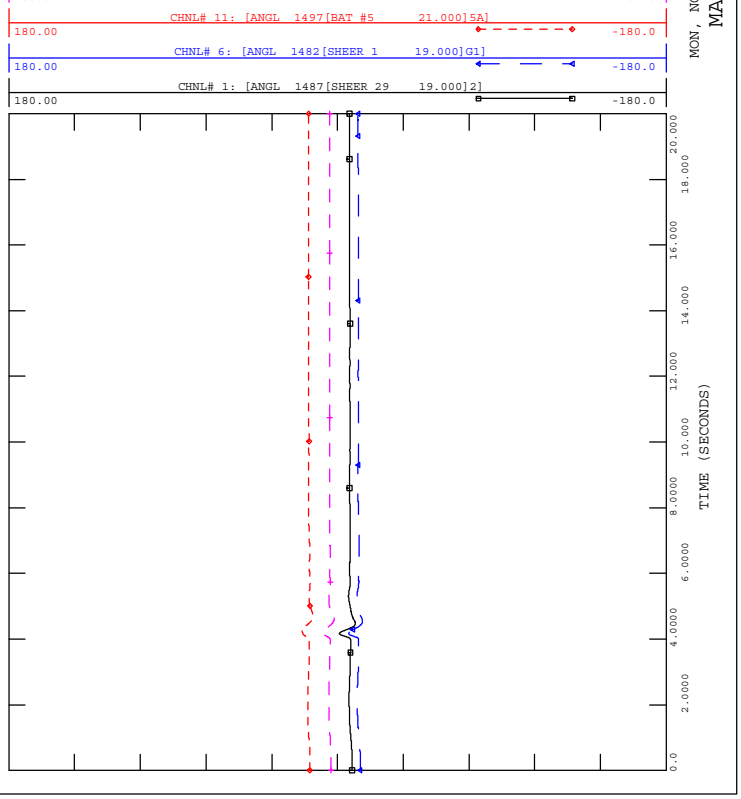


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.

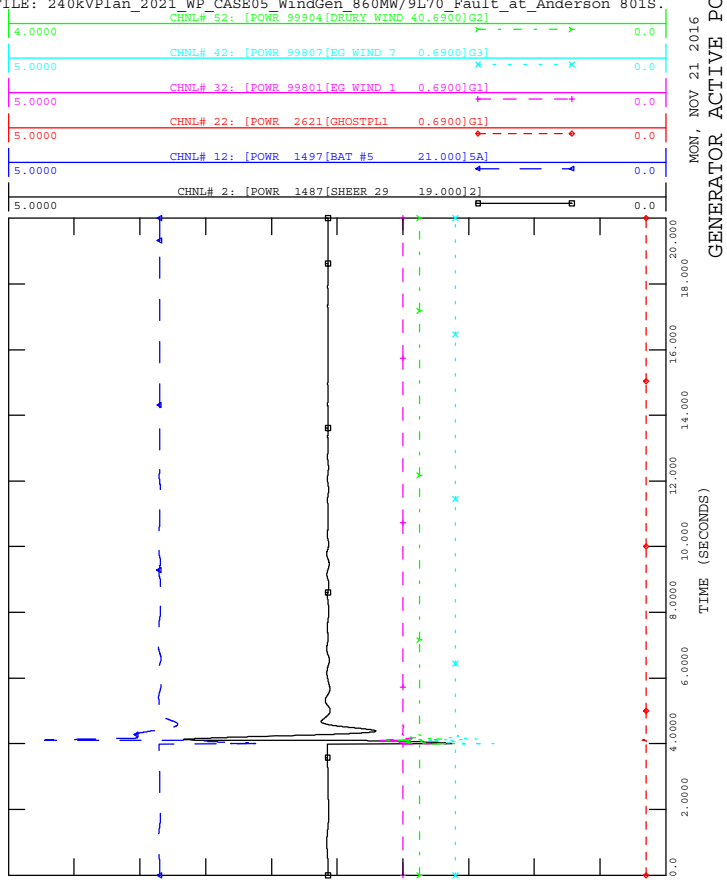
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

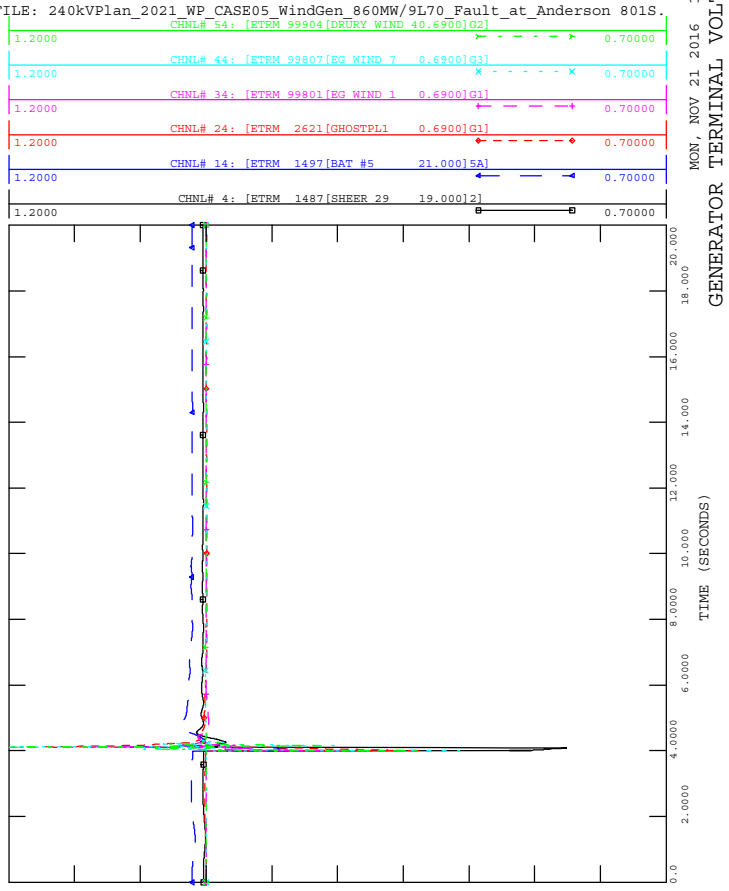
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

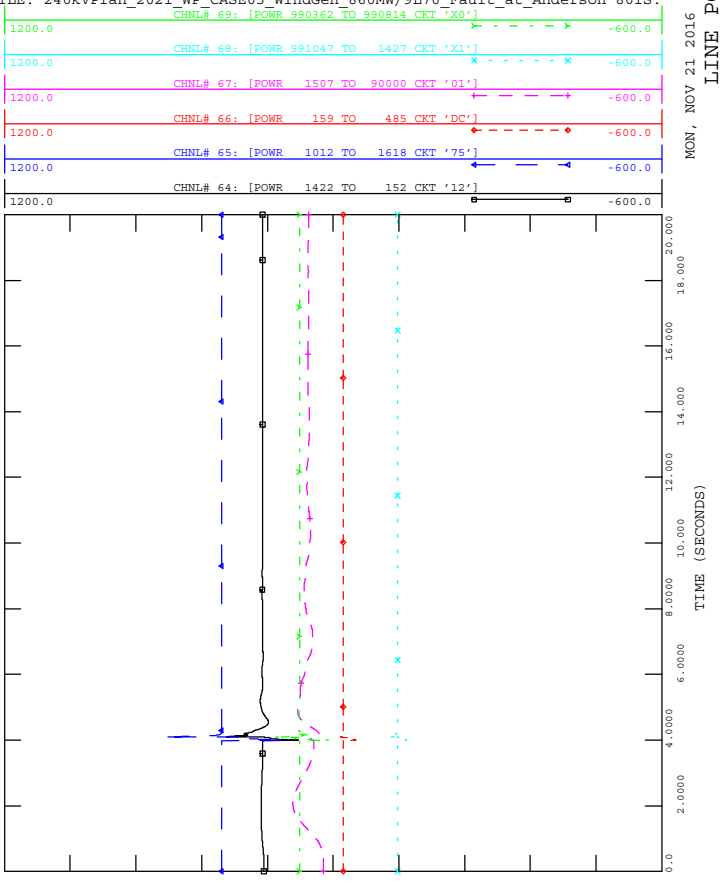
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

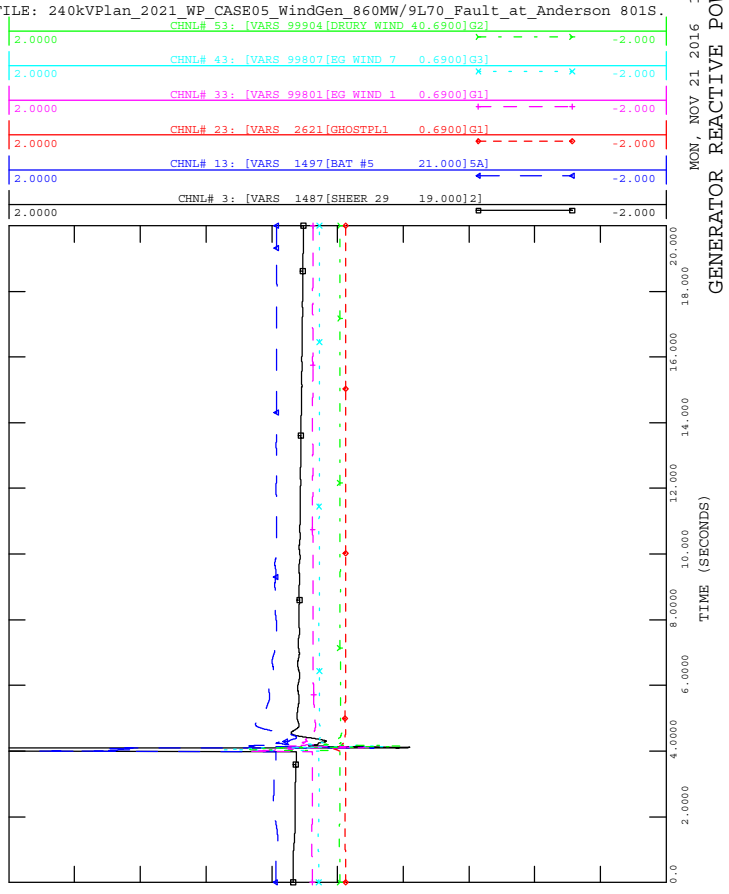
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.



LINE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L70_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70_Fault_at_Anderson 801S.



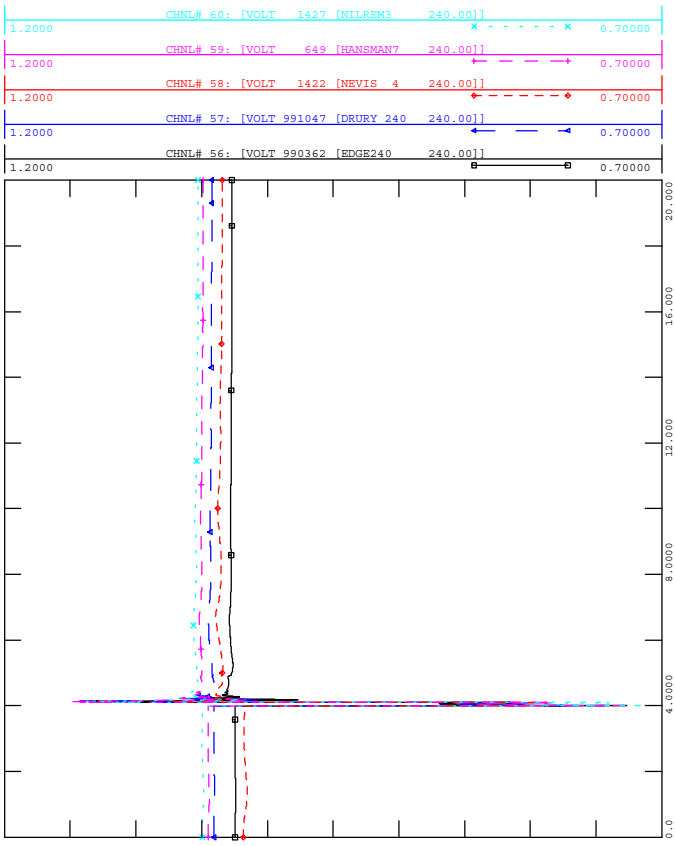
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7

MON, NOV 21 2016 12:58

BUS VOLTAGE

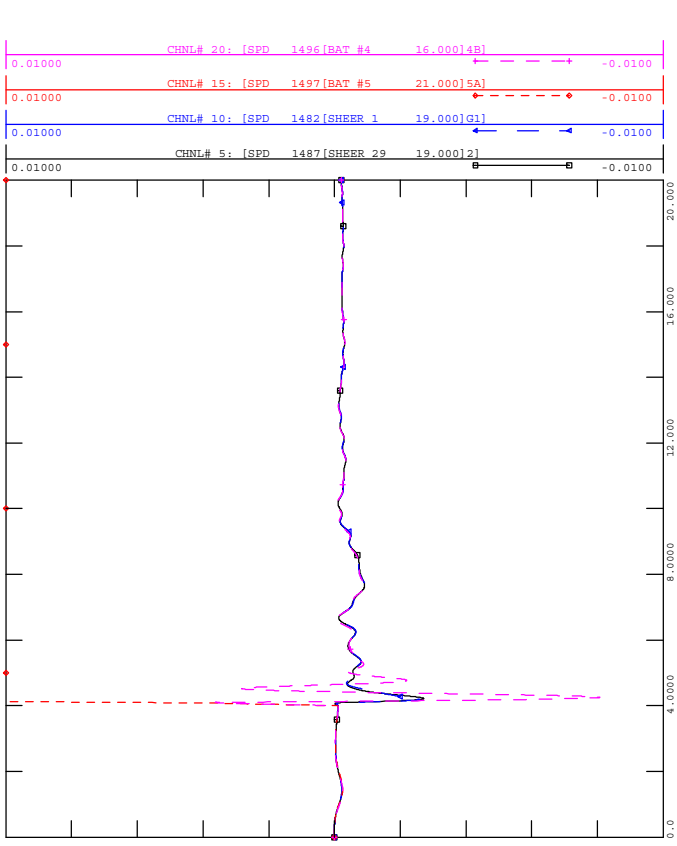


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7

MON, NOV 21 2016 12:58

MACHINE SPEED

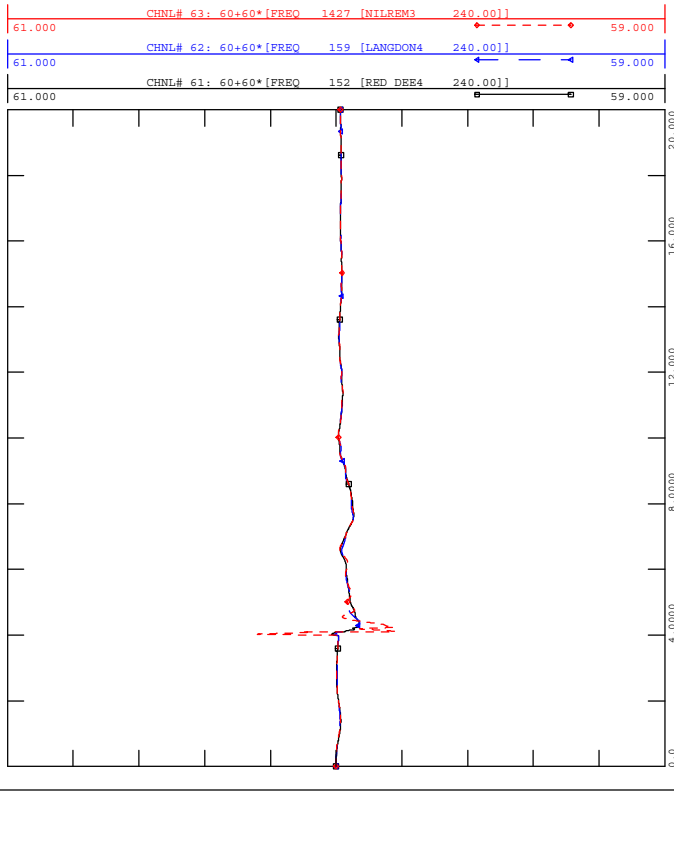


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7

MON, NOV 21 2016 12:58

FREQUENCY

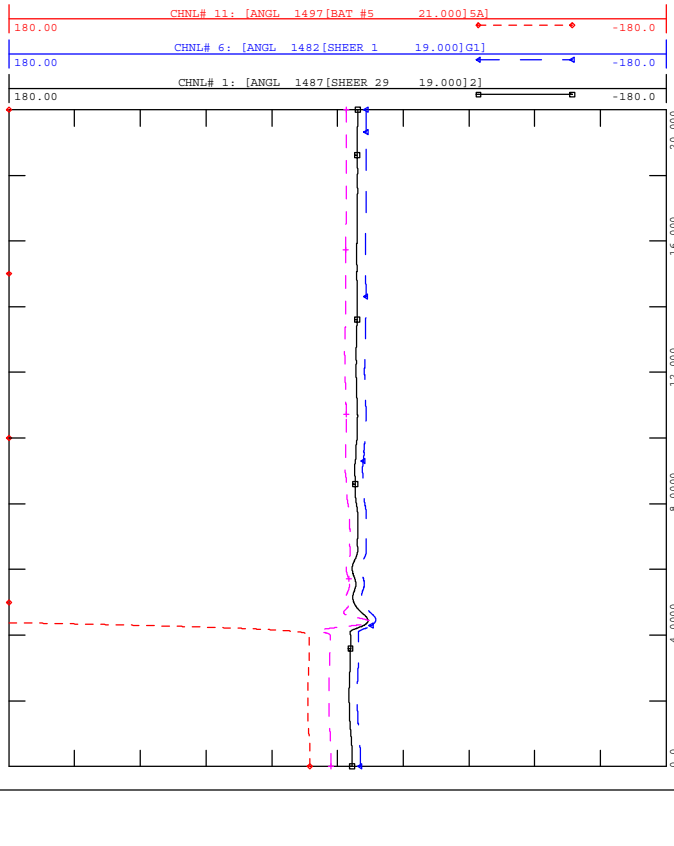


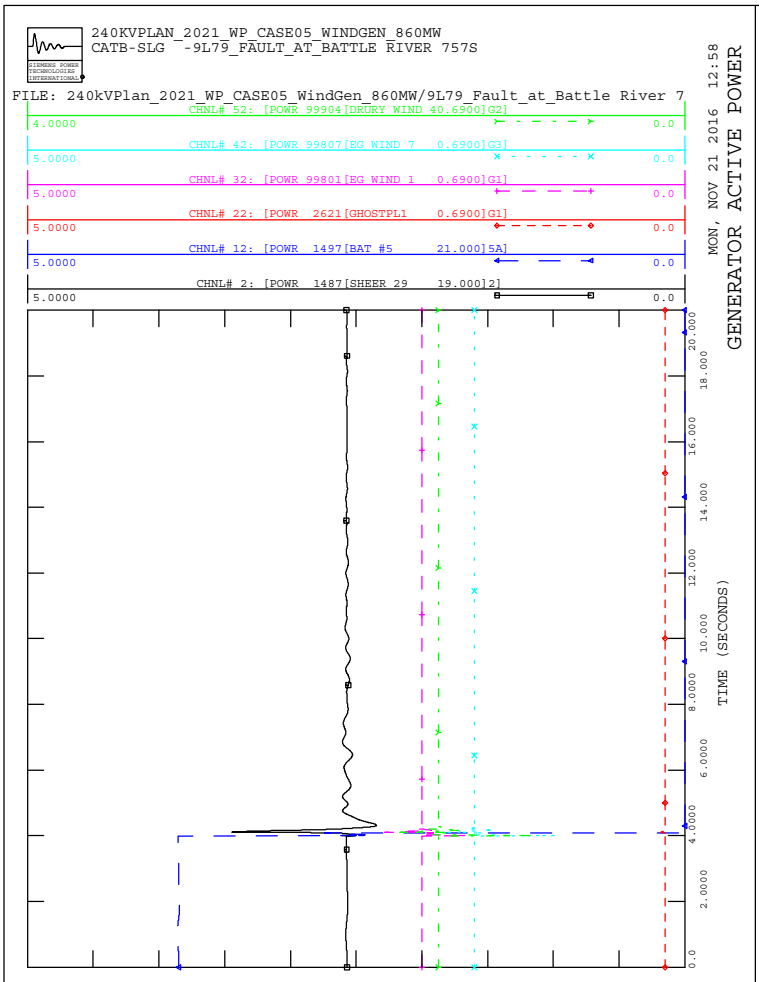
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S

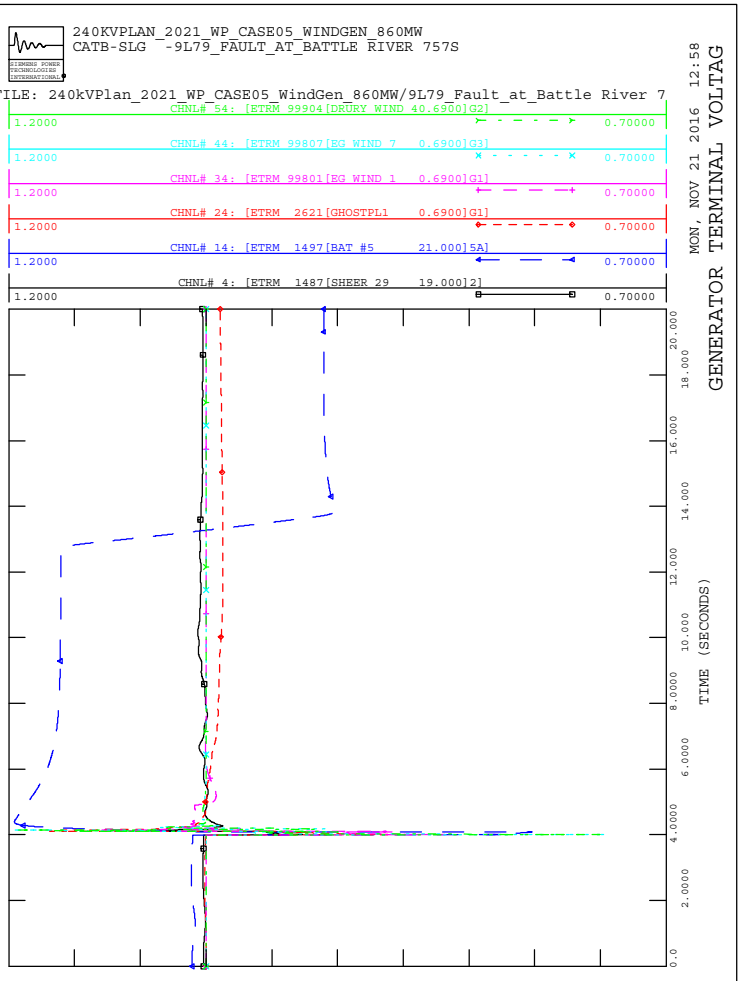
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7

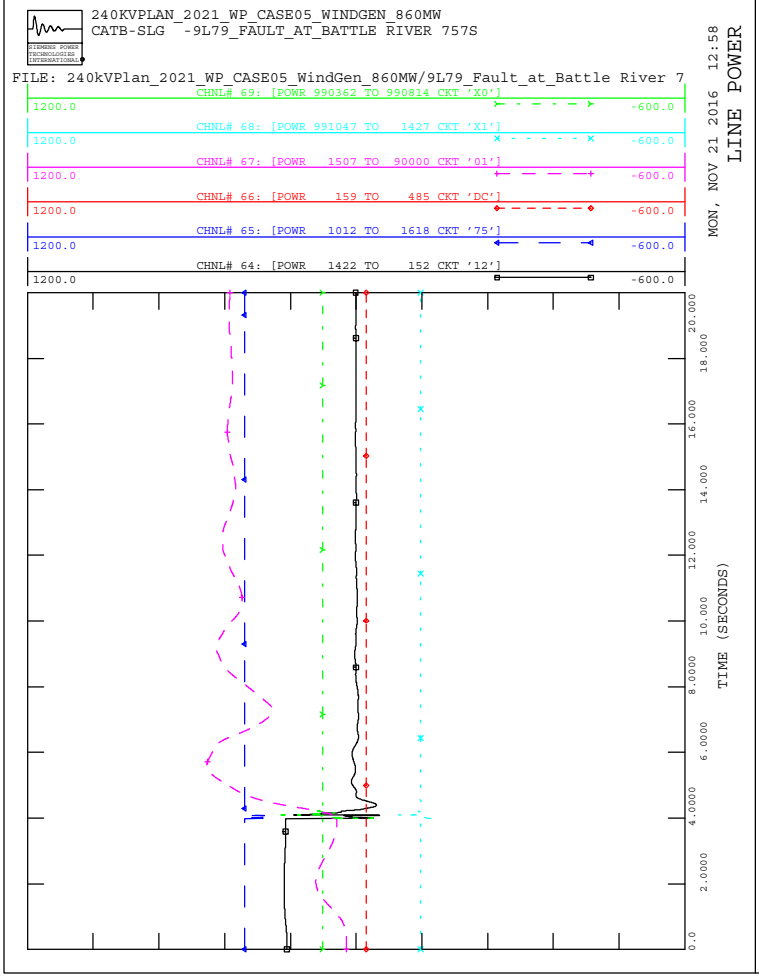
MON, NOV 21 2016 12:58

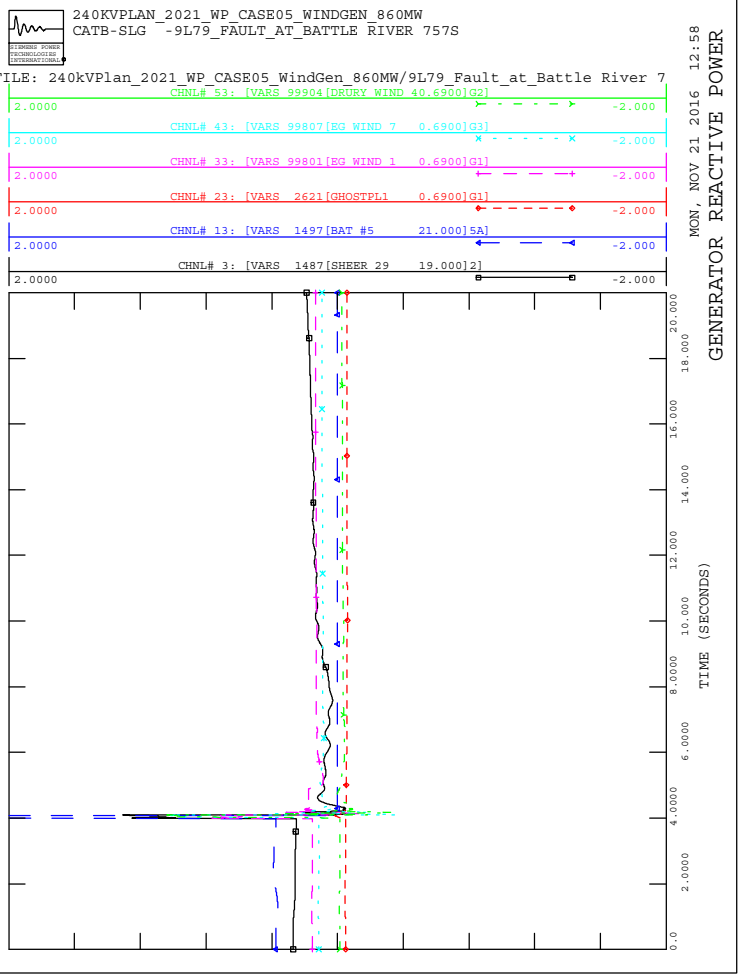
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)

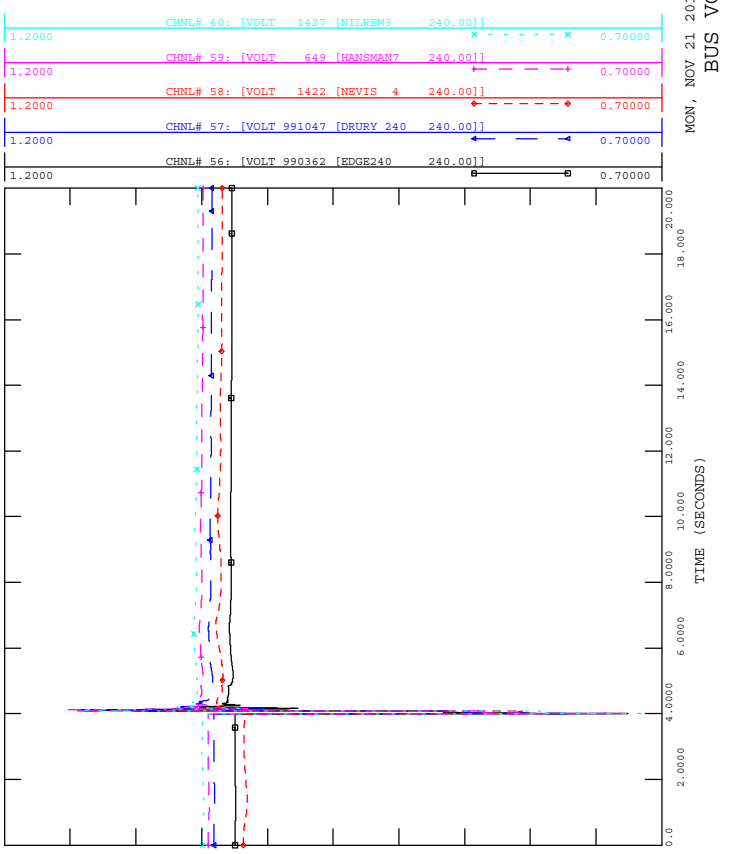

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_BATTLE RIVER 757S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Battle River 7
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

BUS VOLTAGE

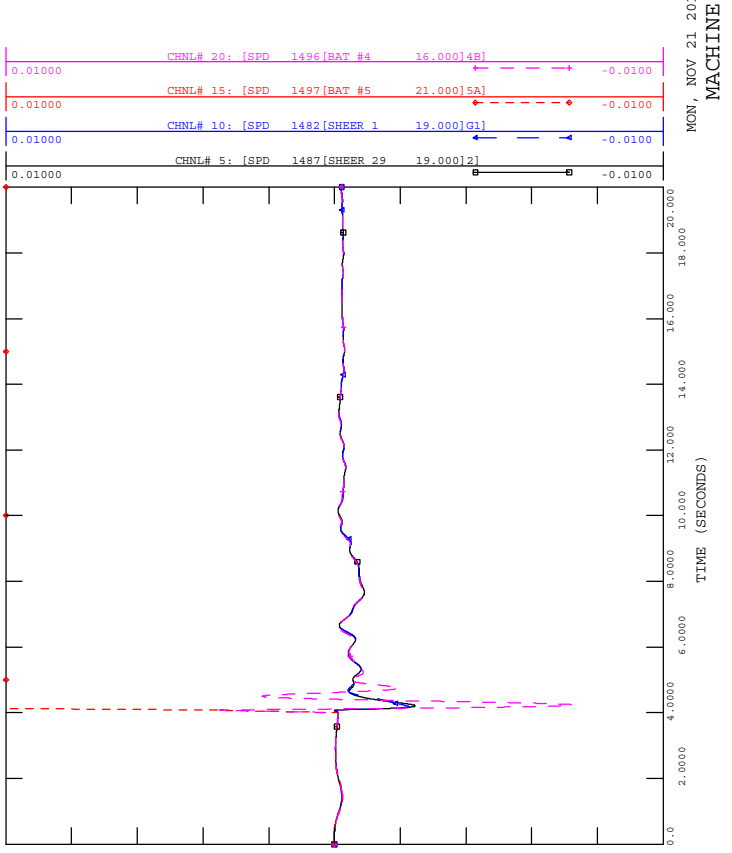


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

MACHINE SPEED

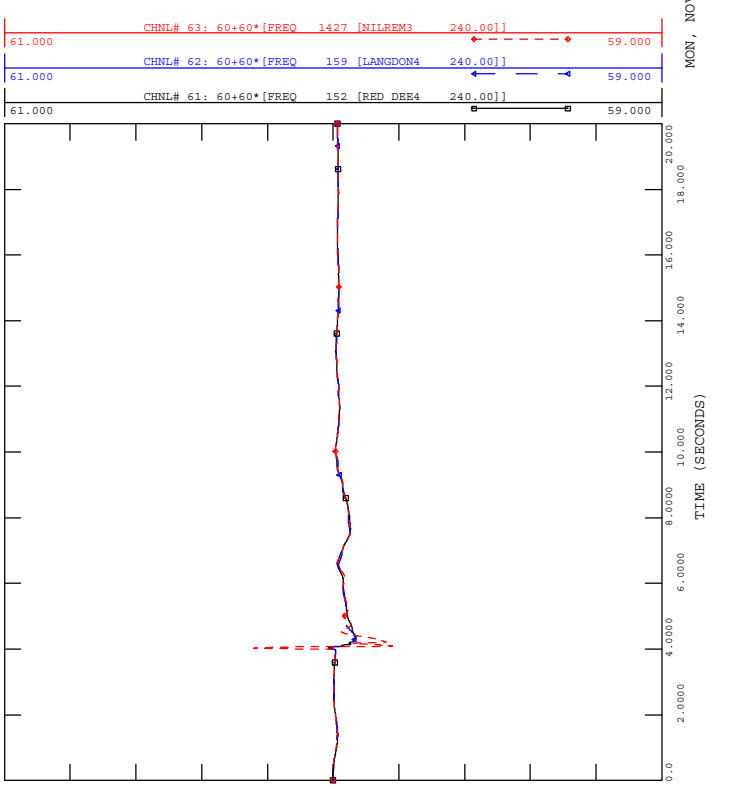


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

FREQUENCY

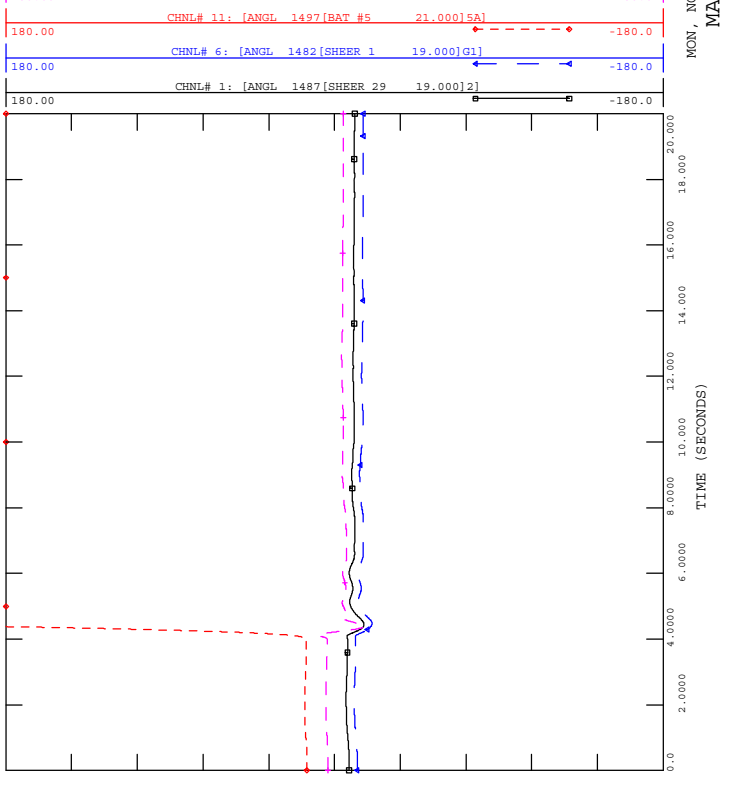


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

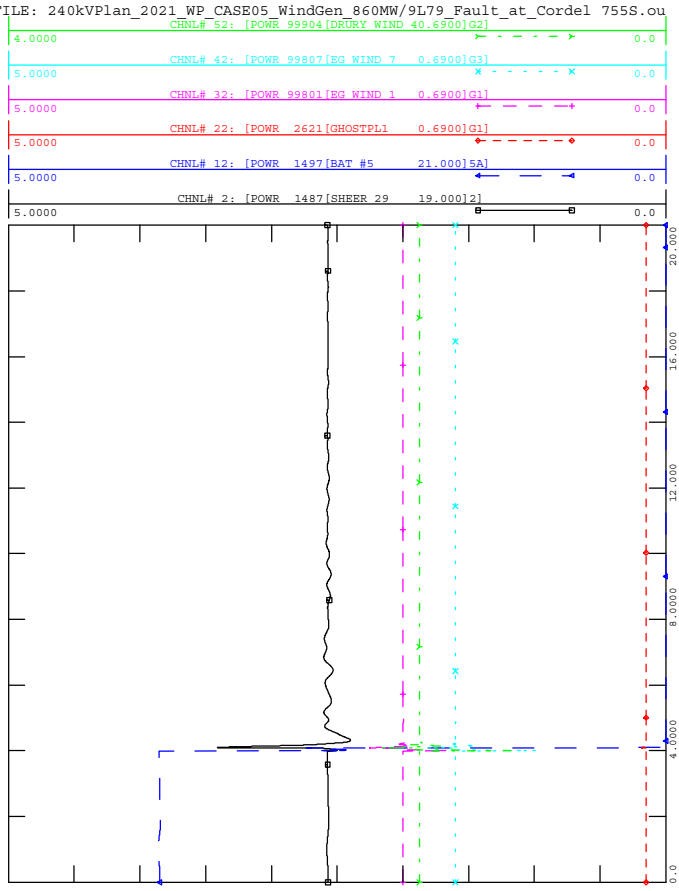
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou

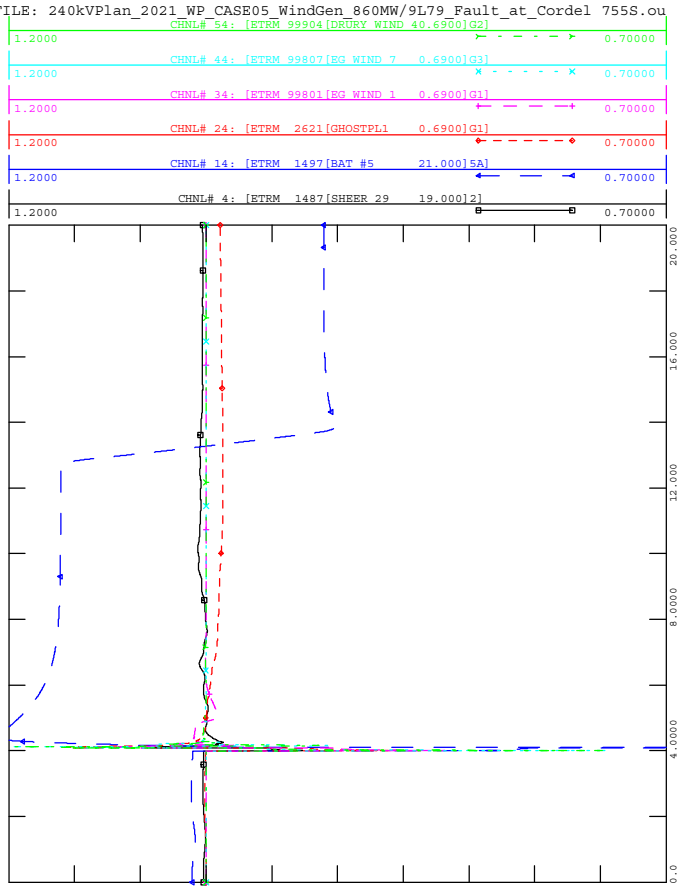


MON, NOV 21 2016 12:58

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou



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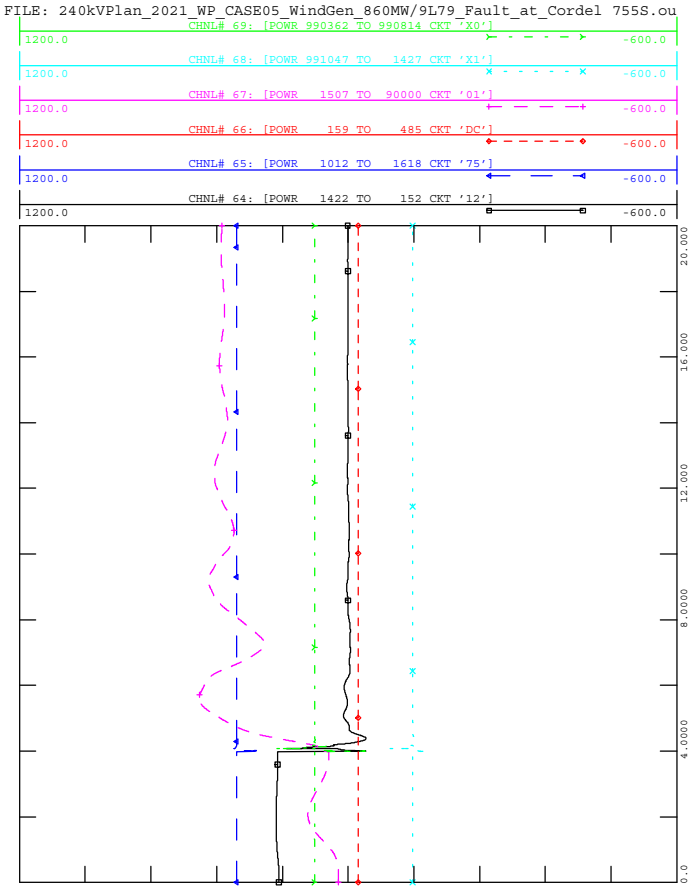
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou



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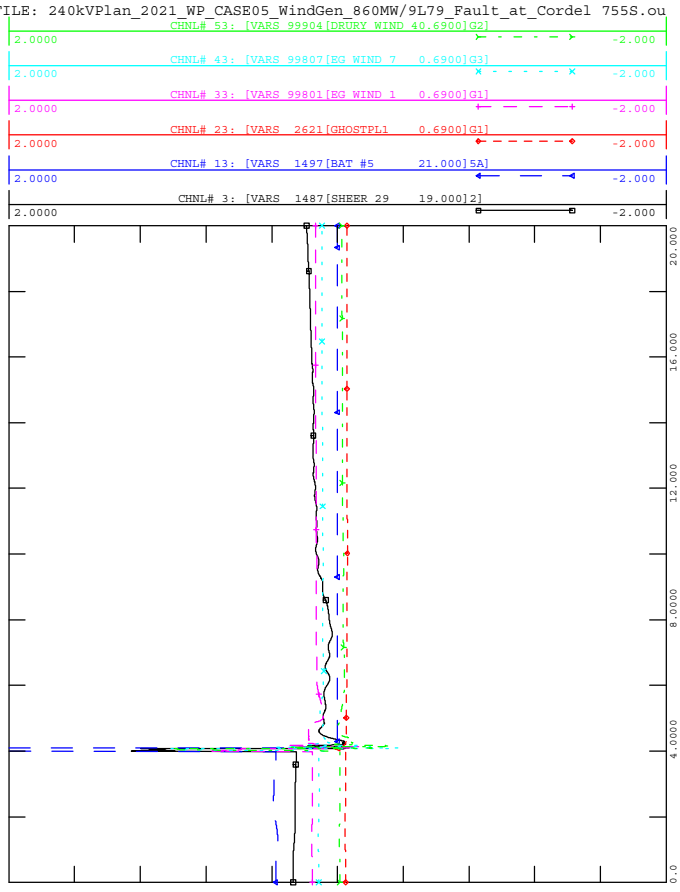
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L79_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_Fault_at_Cordel 755S.ou



MON, NOV 21 2016 12:58

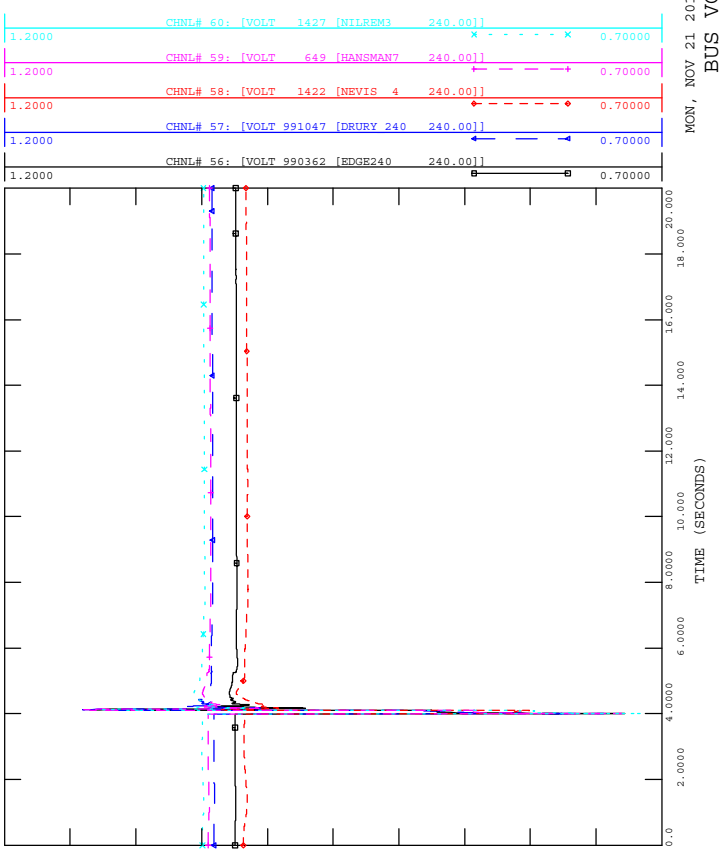
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 12:58

BUS VOLTAGE

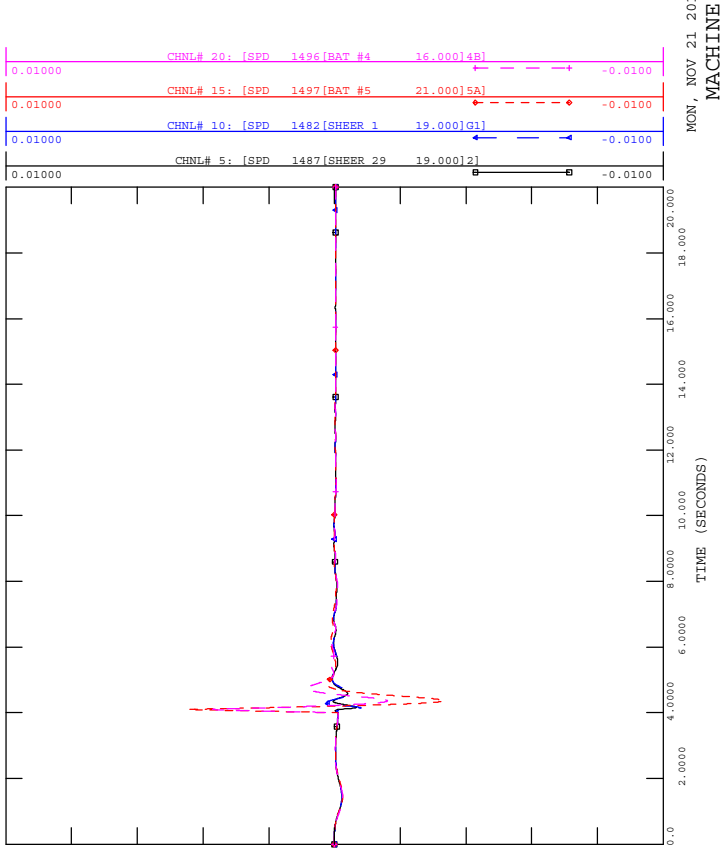


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 12:58

MACHINE SPEED

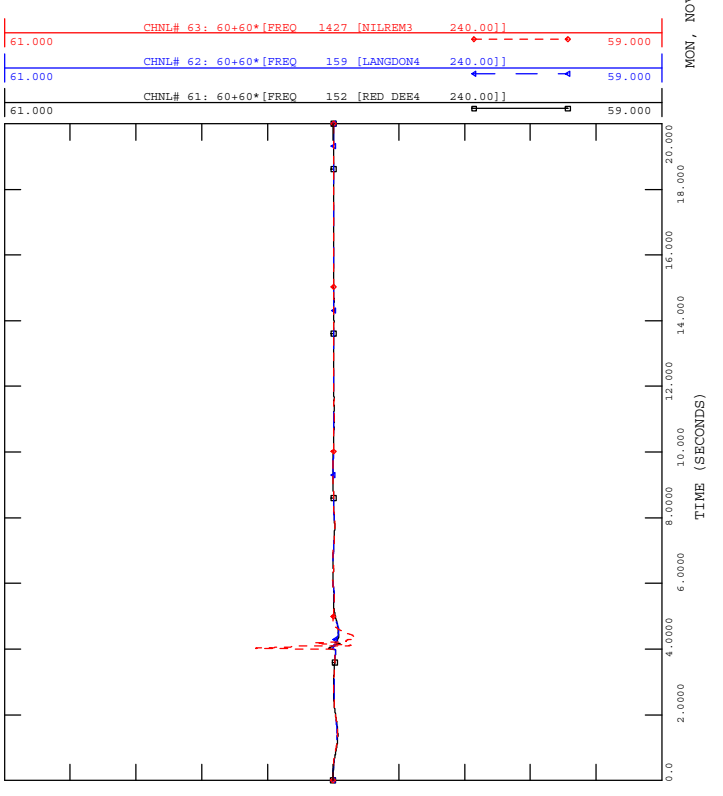


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7

MON, NOV 21 2016 12:58

FREQUENCY

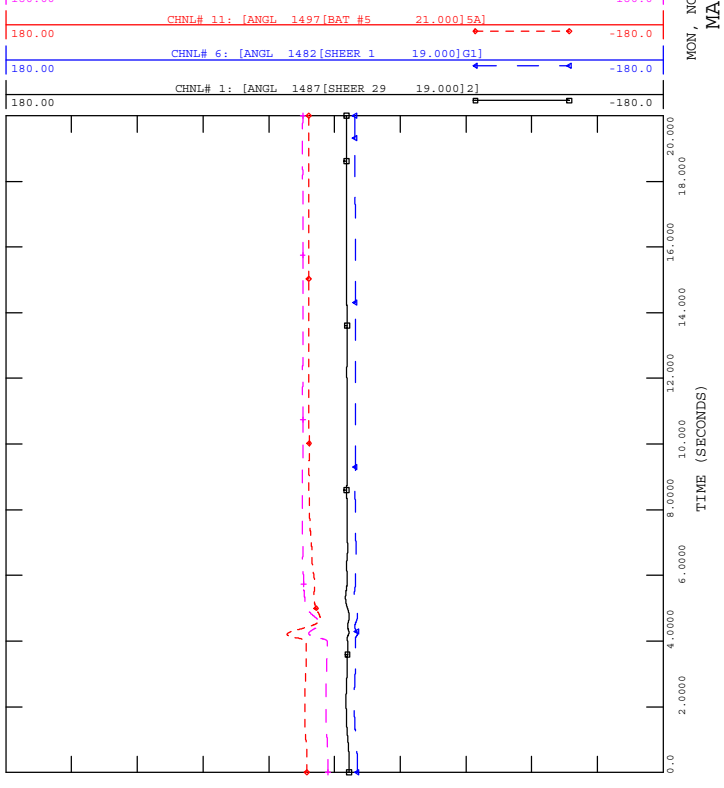


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7

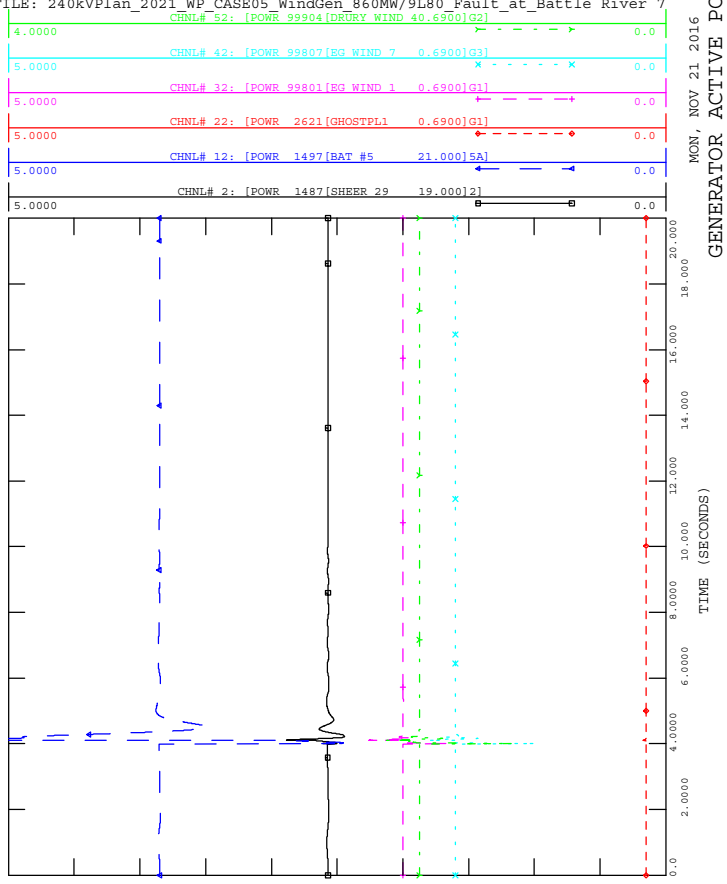
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7

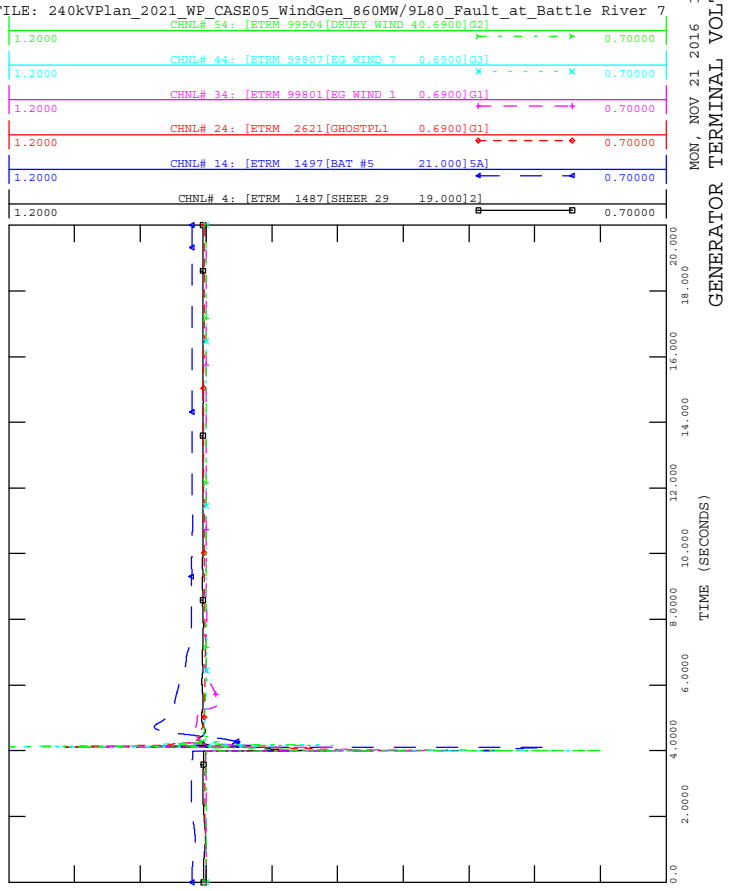


MON, NOV 21 2016 12:58

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7



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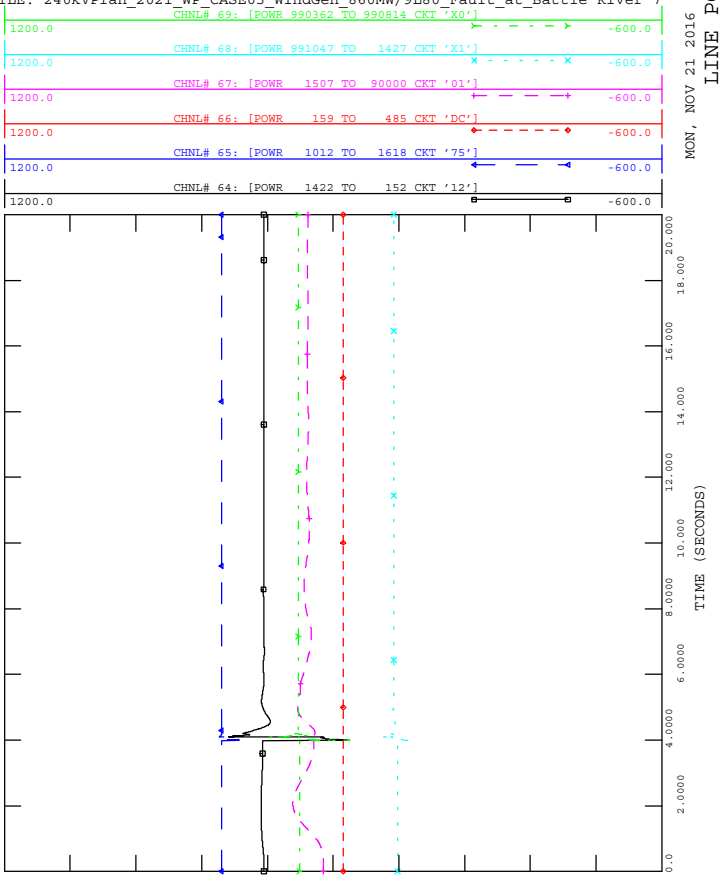
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7



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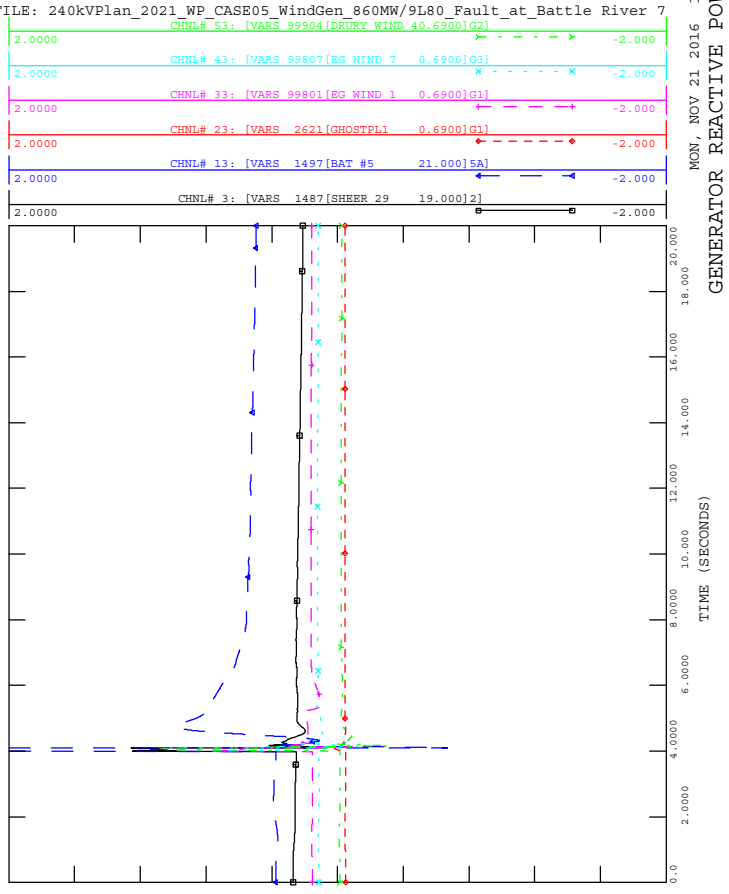
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_BATTLE RIVER 757S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Battle River 7



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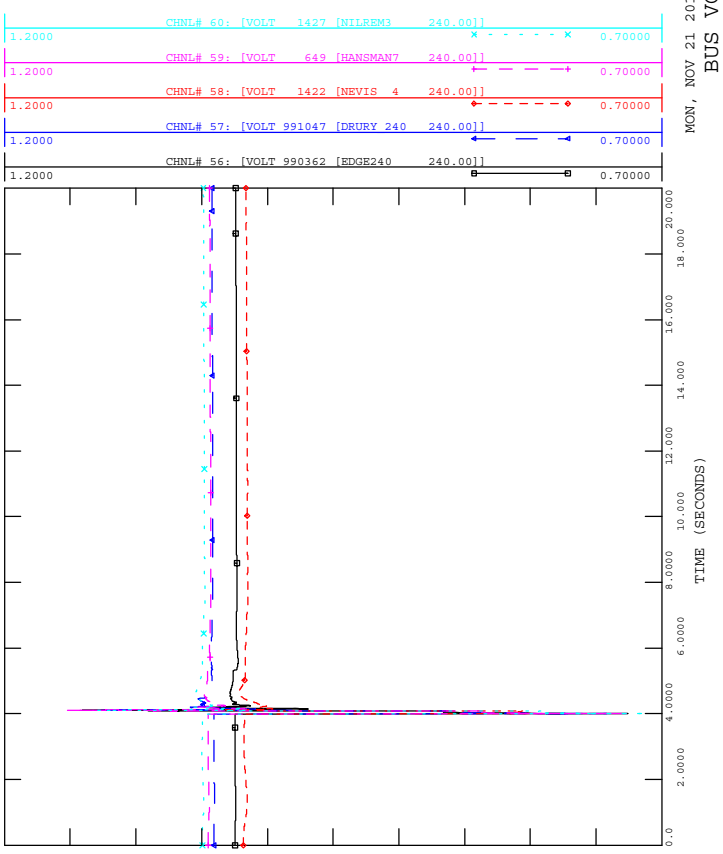
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

BUS VOLTAGE

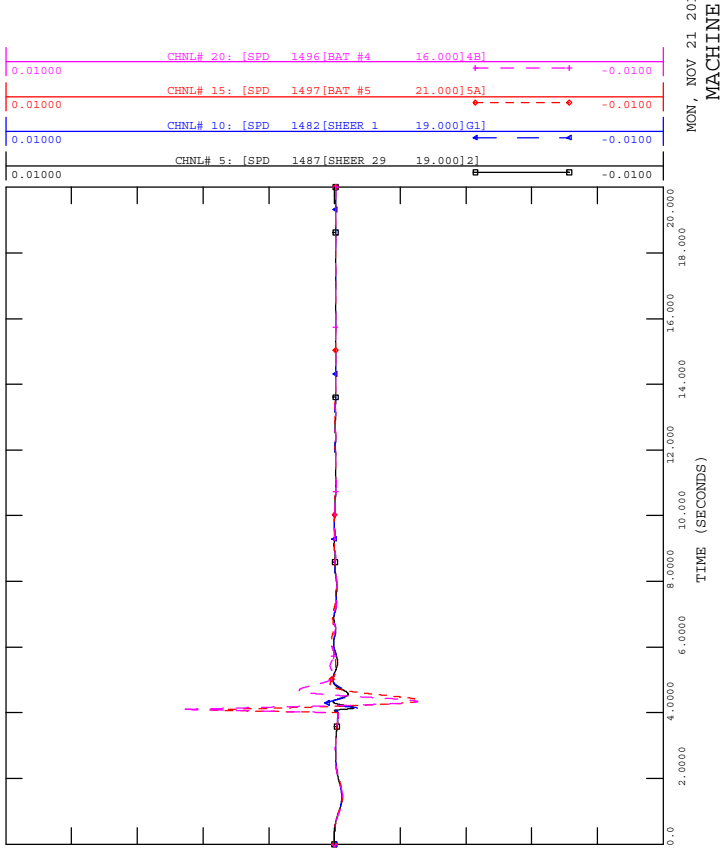


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

MACHINE SPEED

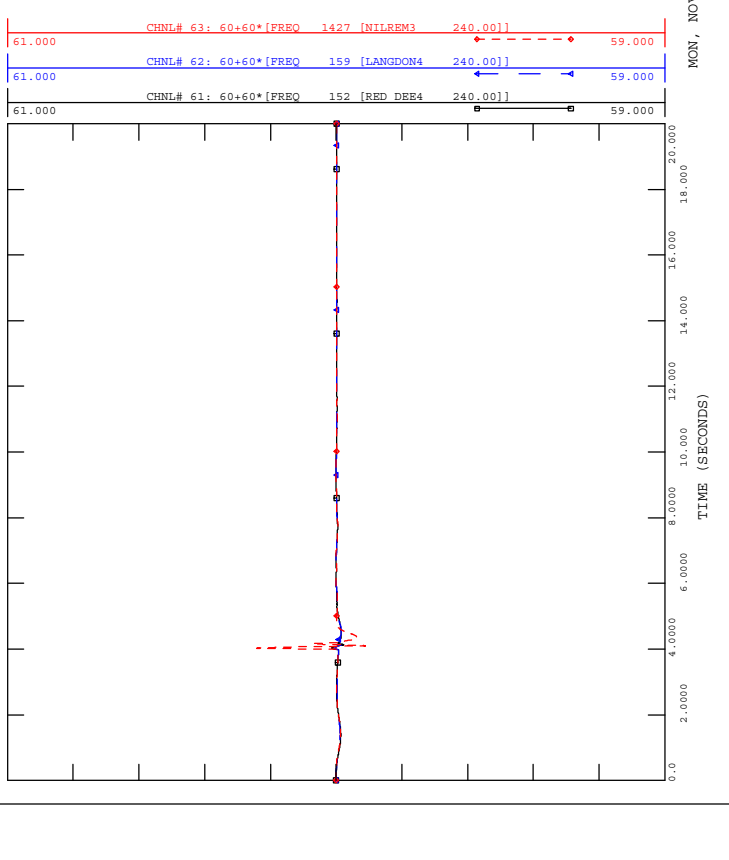


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

MON, NOV 21 2016 12:58

FREQUENCY

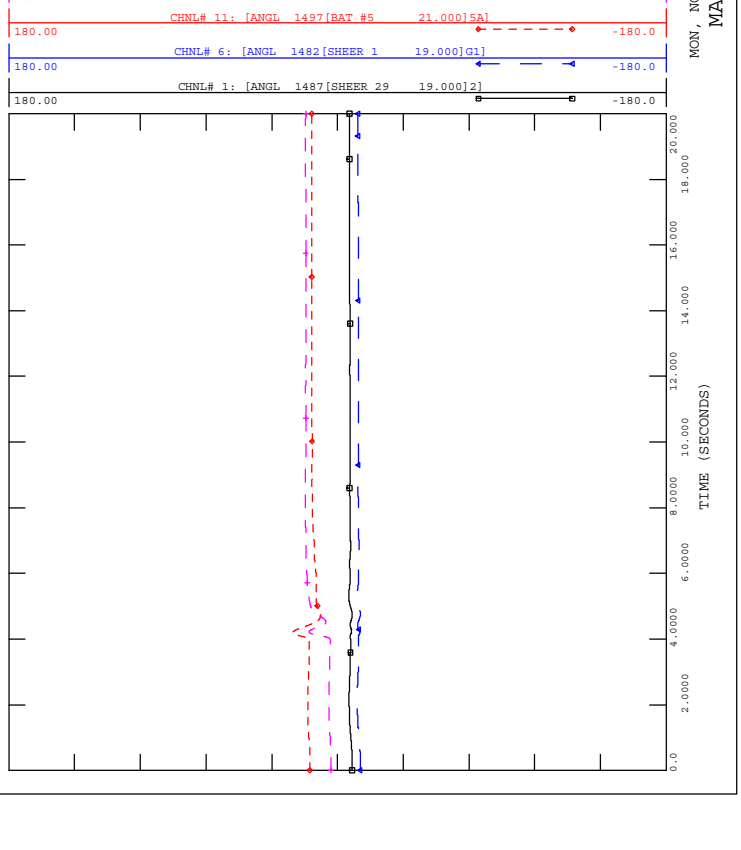


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

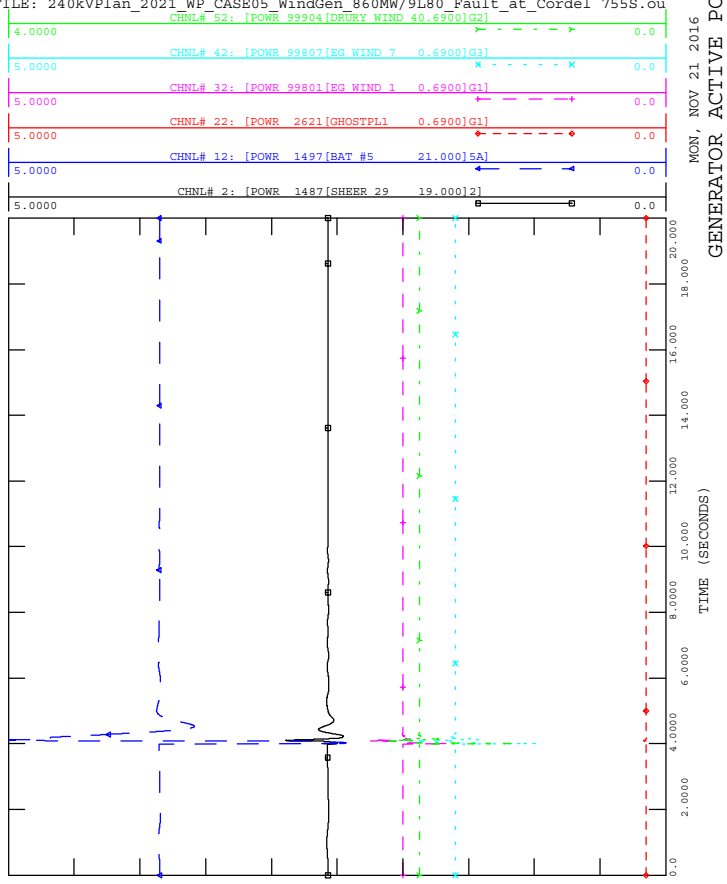
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

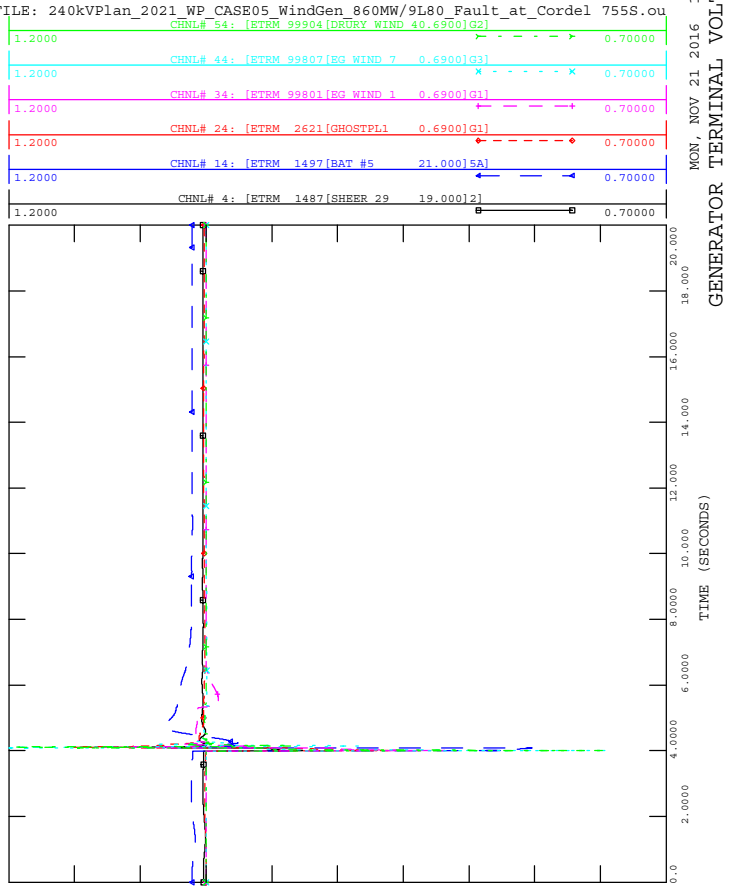


MON, NOV 21 2016 12:58

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

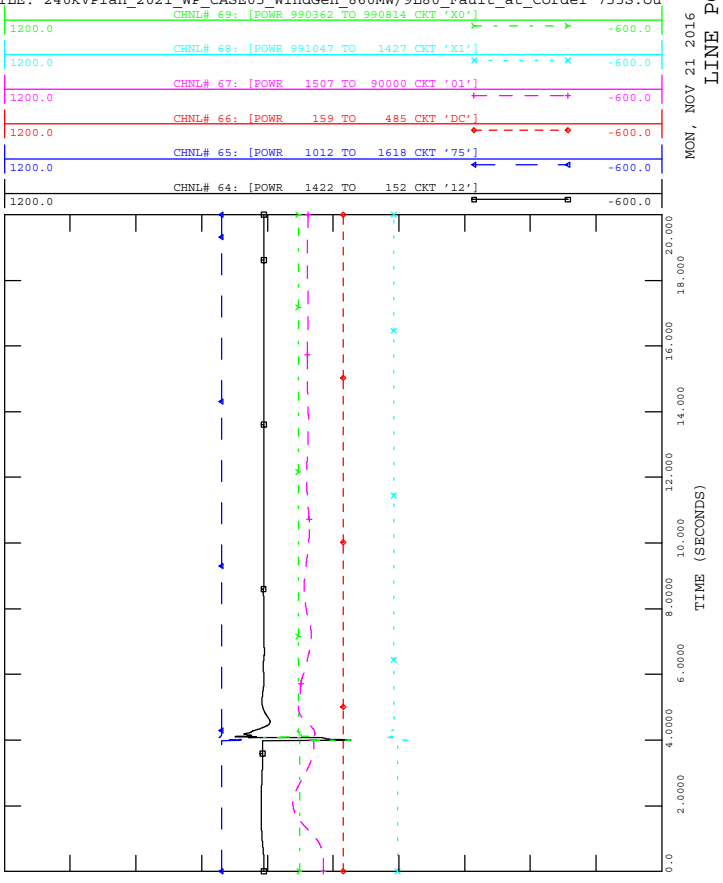


MON, NOV 21 2016 12:58

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou

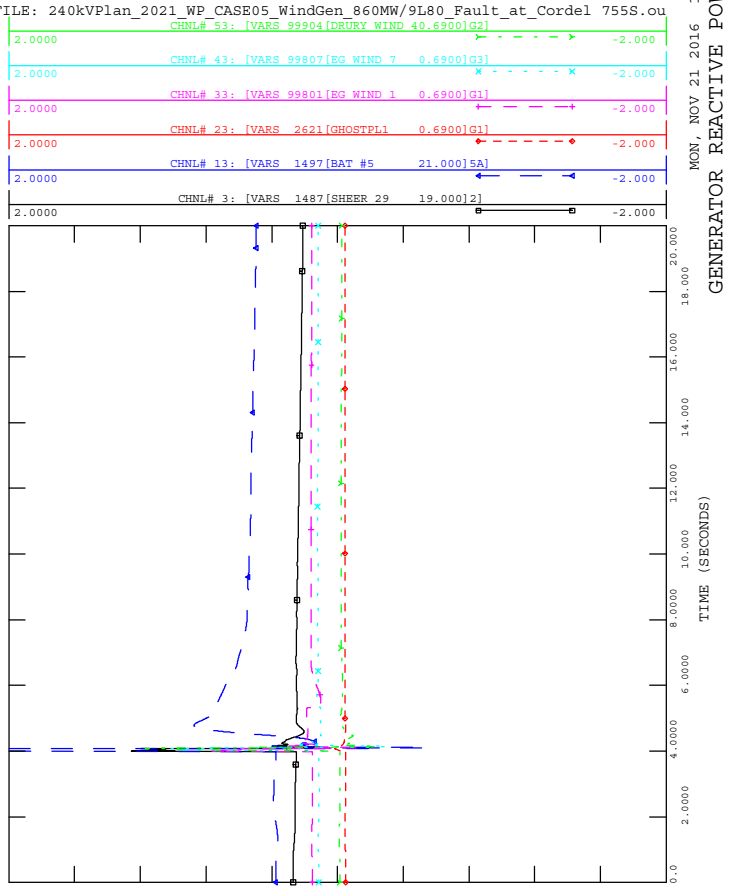


MON, NOV 21 2016 12:58

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L80_FAULT_AT_CORDEL 755S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_Fault_at_Cordel 755S.ou



MON, NOV 21 2016 12:58

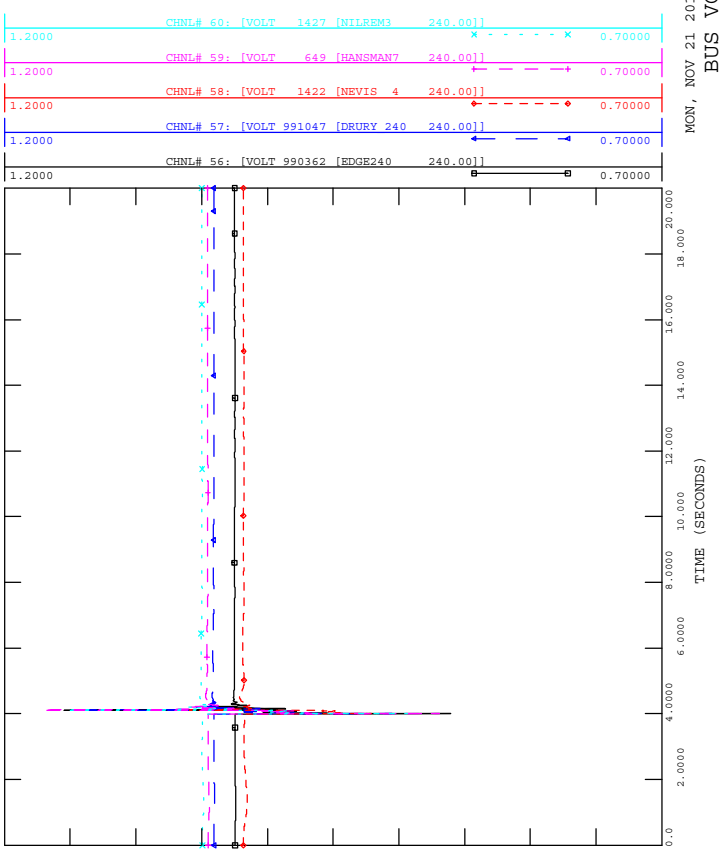
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:58

BUS VOLTAGE

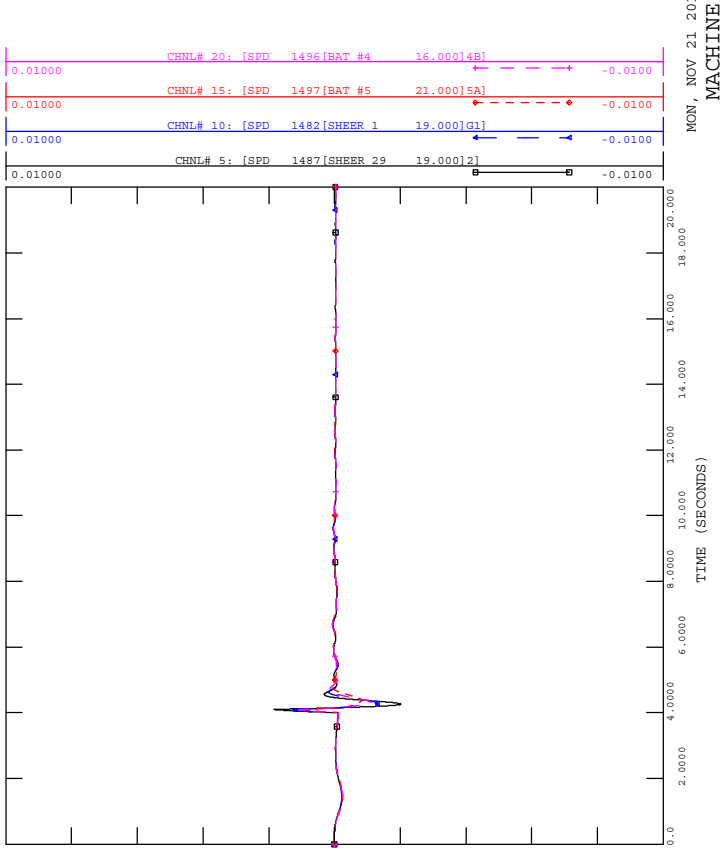


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:58

MACHINE SPEED

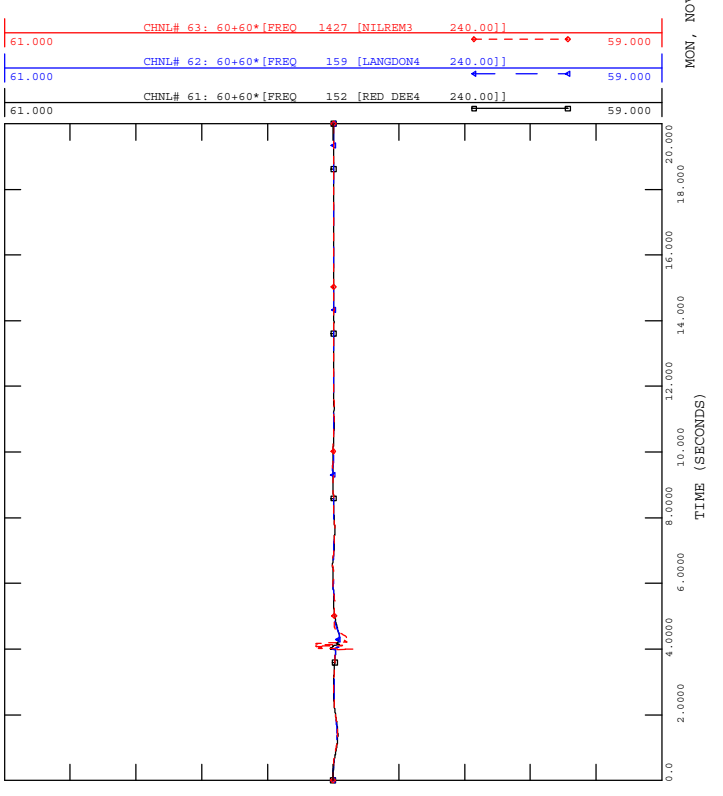


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

MON, NOV 21 2016 12:58

FREQUENCY

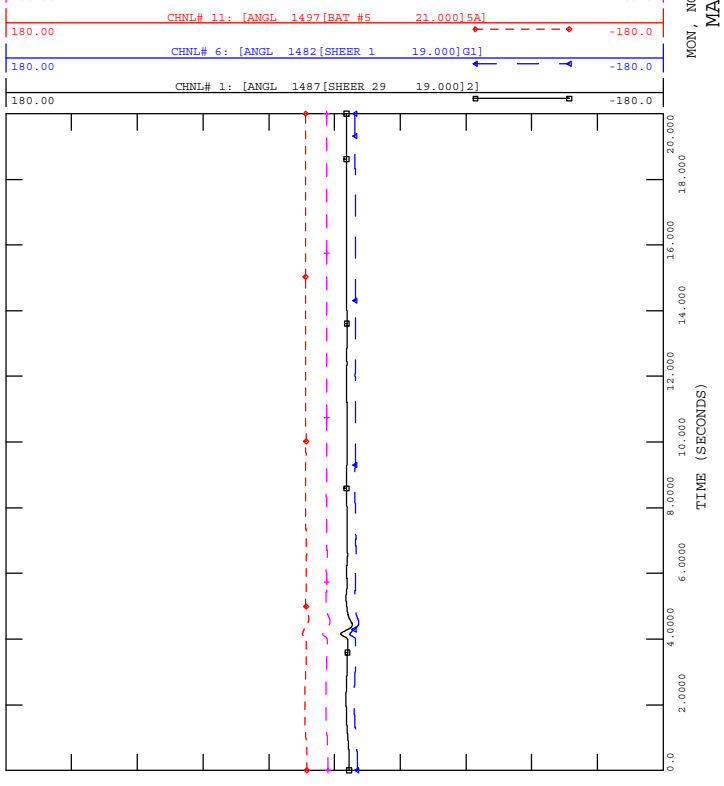


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o

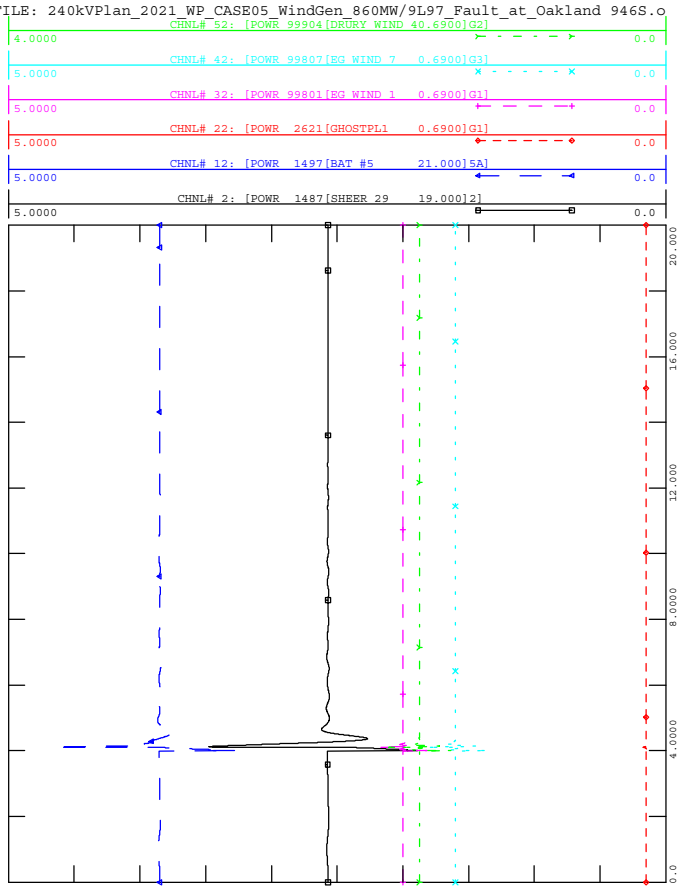
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

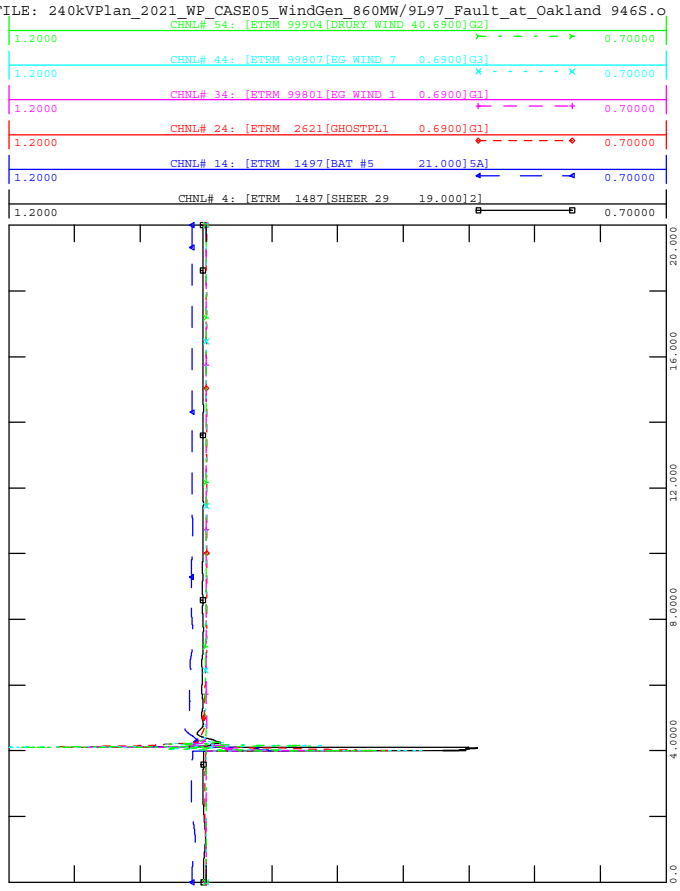
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

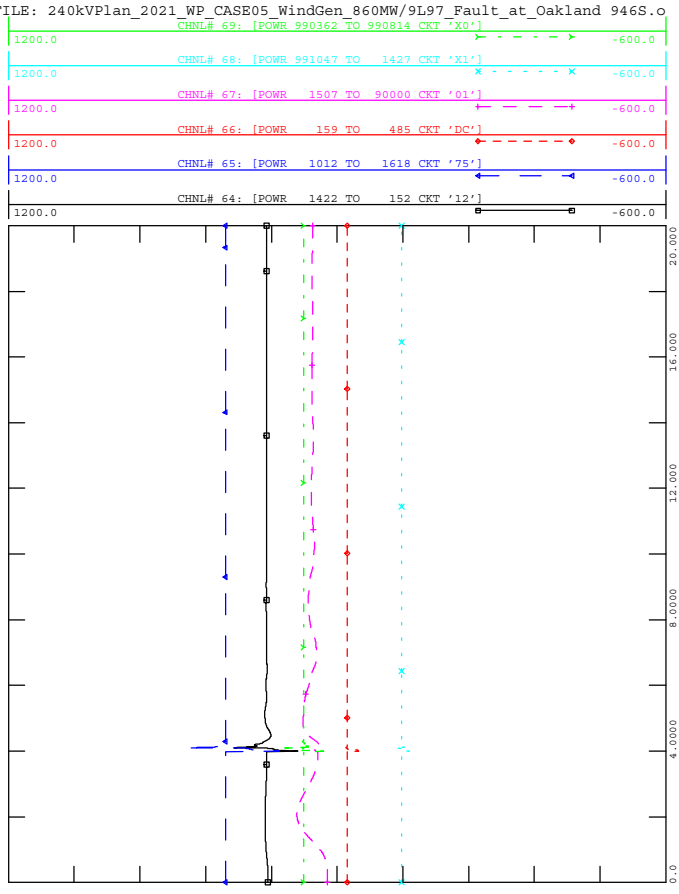
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

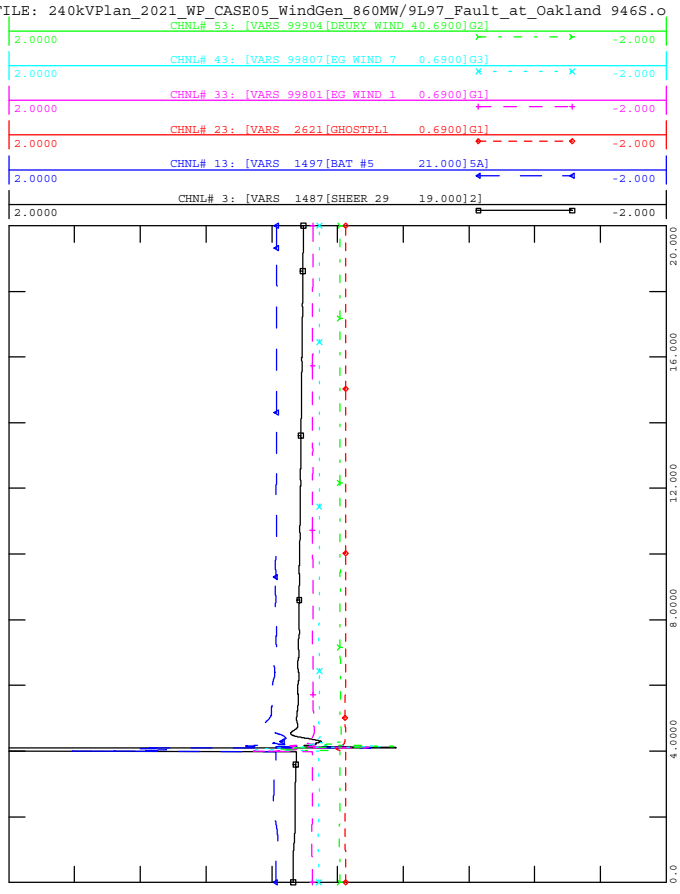
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o



LINE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_OAKLAND 946S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Oakland 946S.o



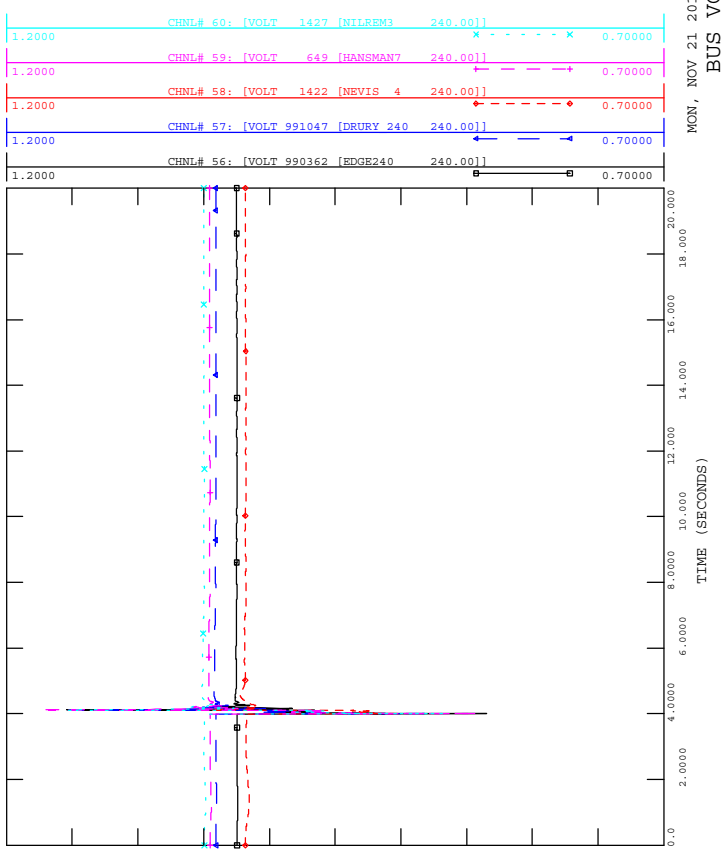
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:58

BUS VOLTAGE

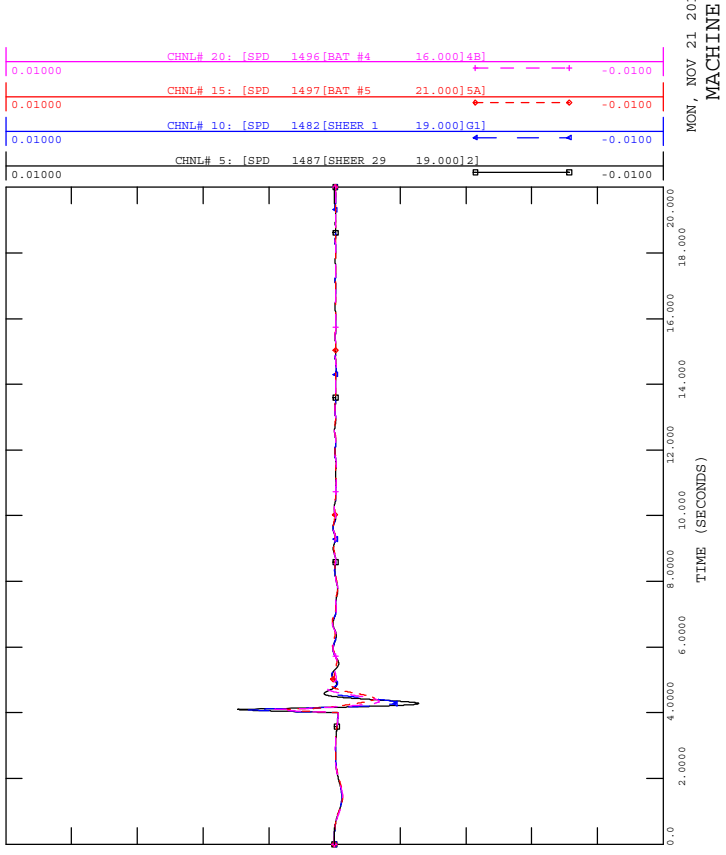


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:58

MACHINE SPEED

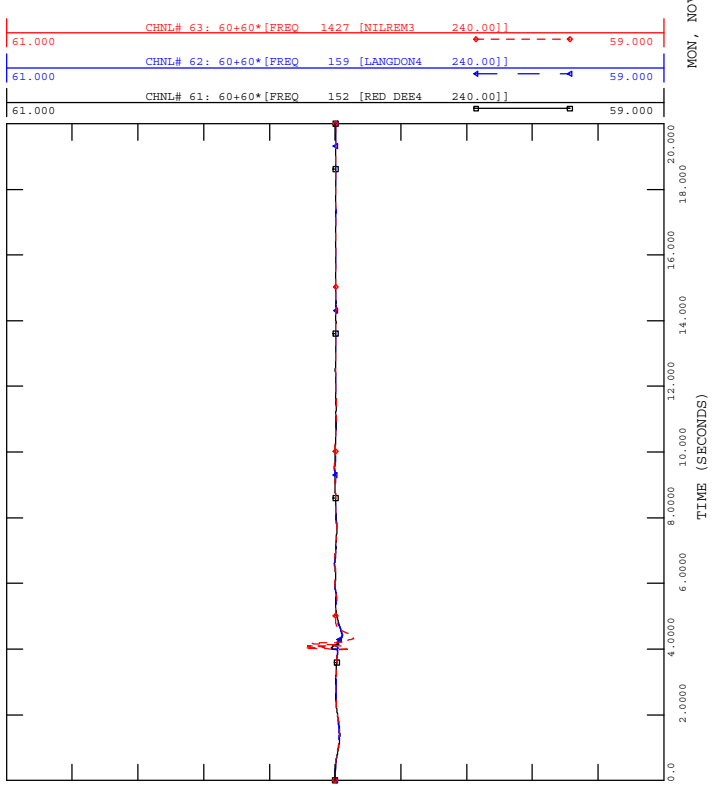


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.

MON, NOV 21 2016 12:58

FREQUENCY

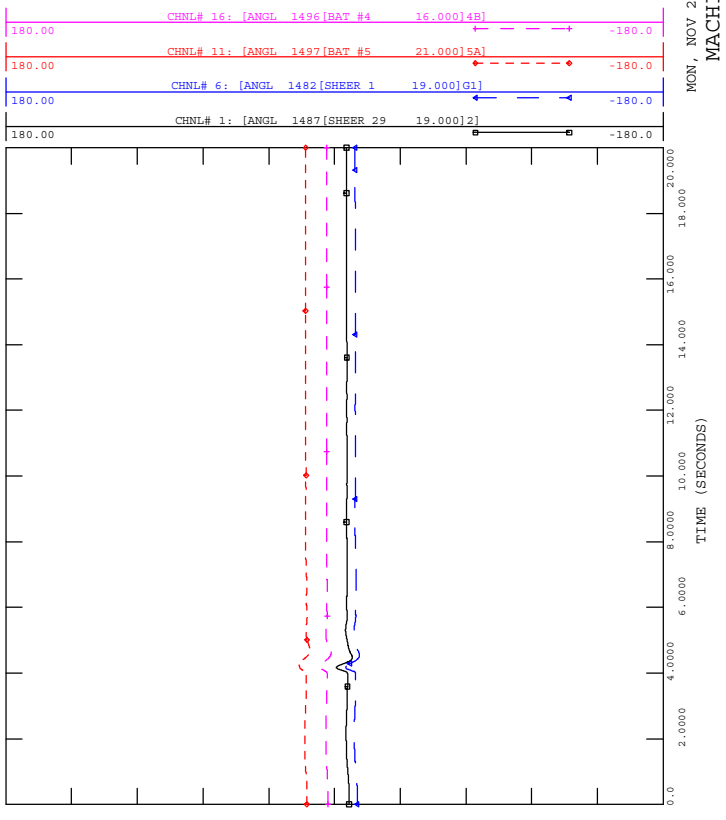


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.

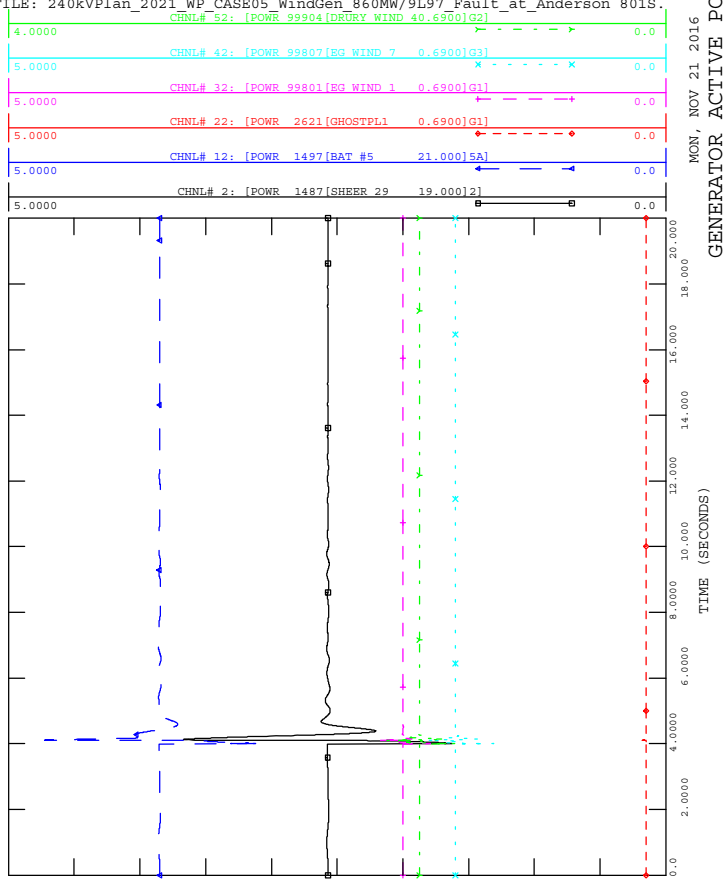
MON, NOV 21 2016 12:58

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

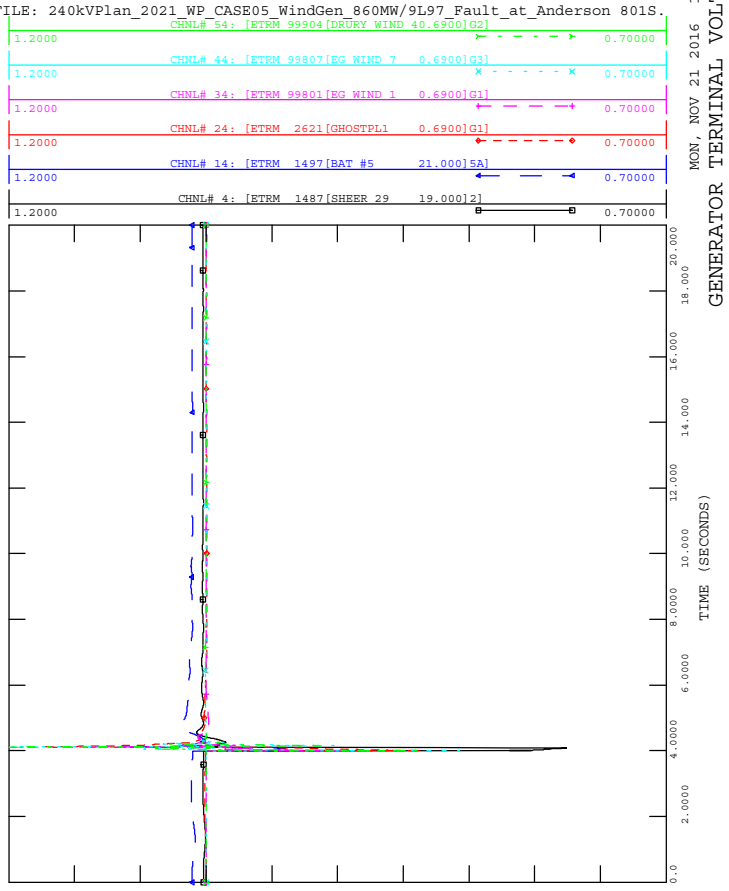
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.



GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

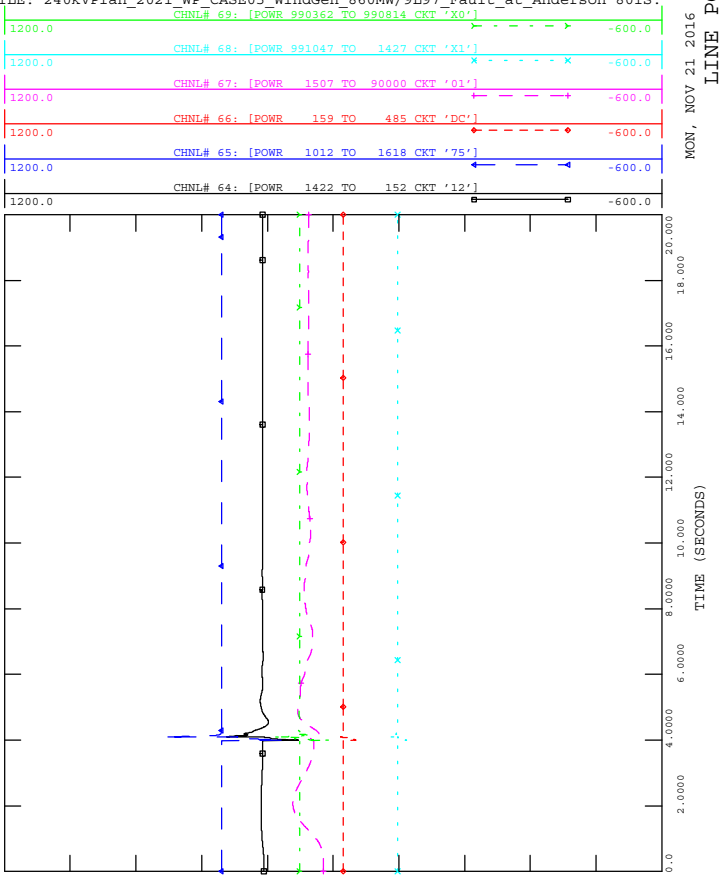
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.



GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

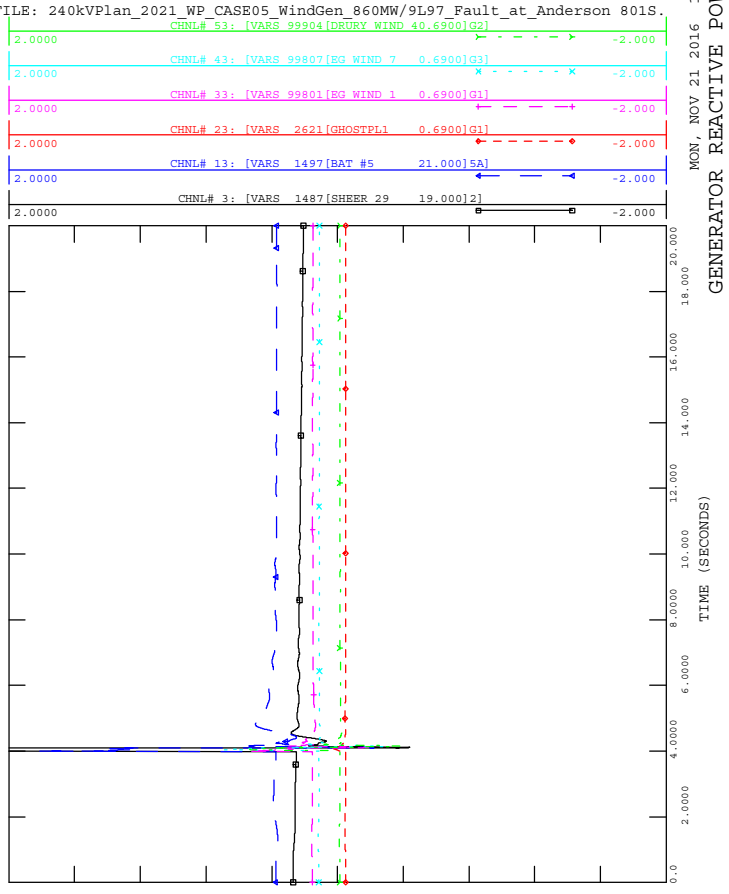
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.



LINE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -9L97_FAULT_AT_ANDERSON 801S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_Fault_at_Anderson 801S.



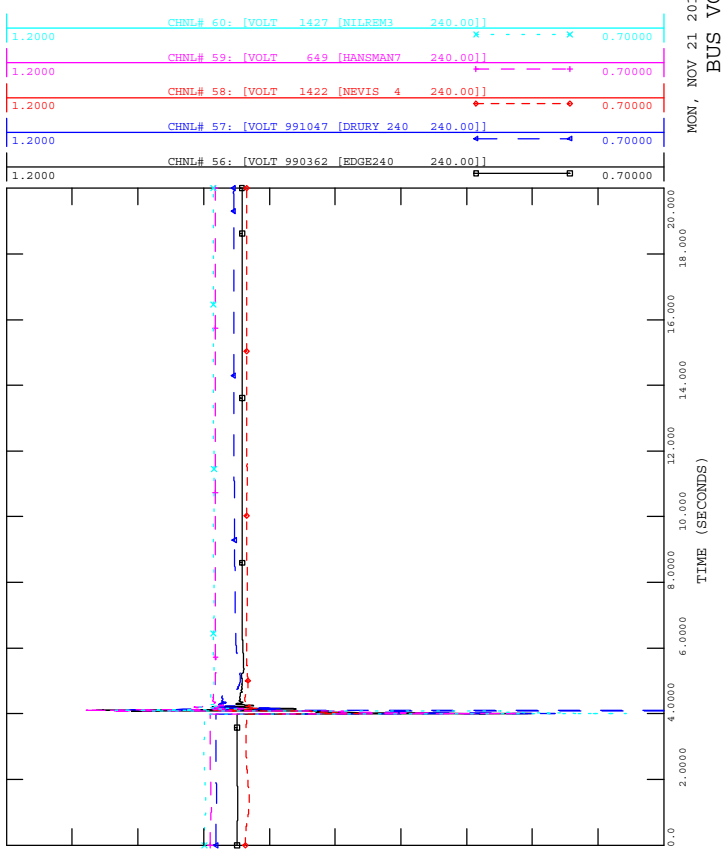
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 12:58

BUS VOLTAGE

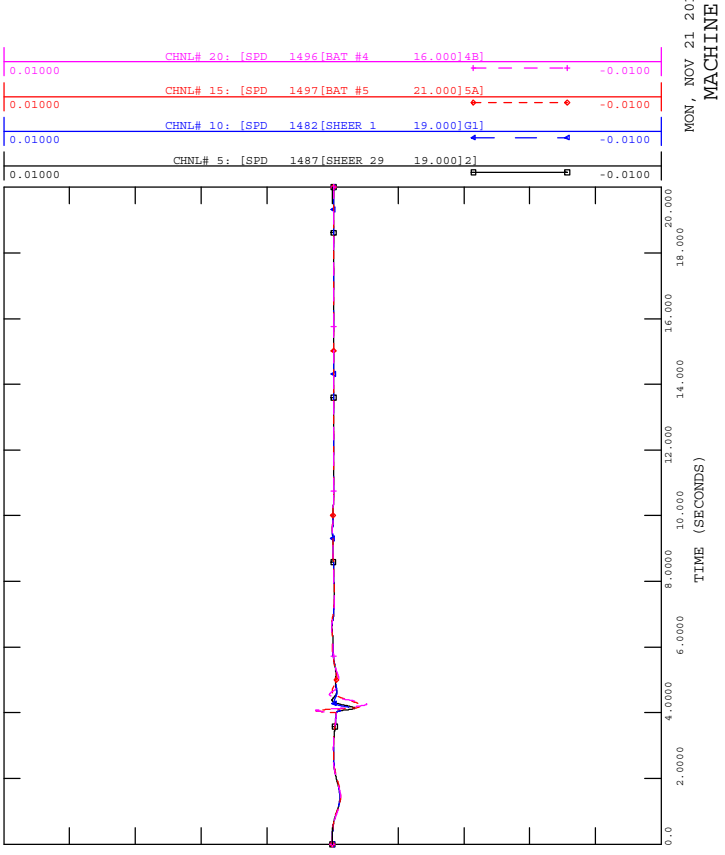


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 12:58

MACHINE SPEED

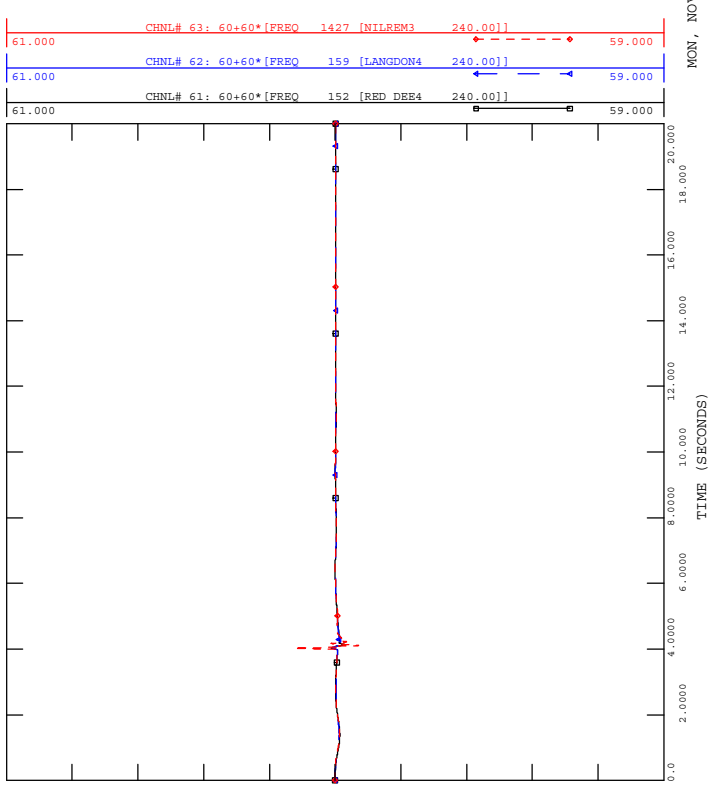


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

MON, NOV 21 2016 12:58

FREQUENCY

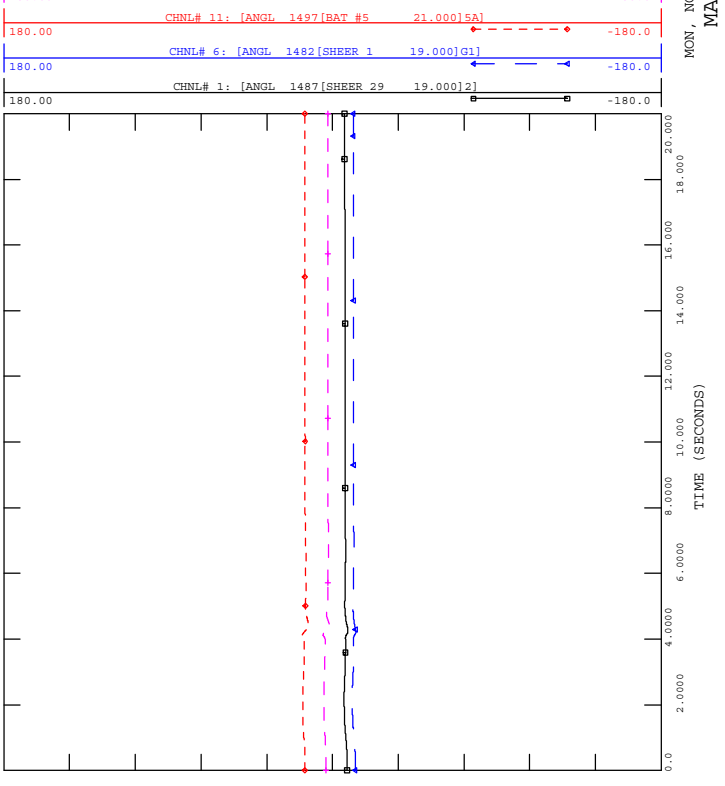


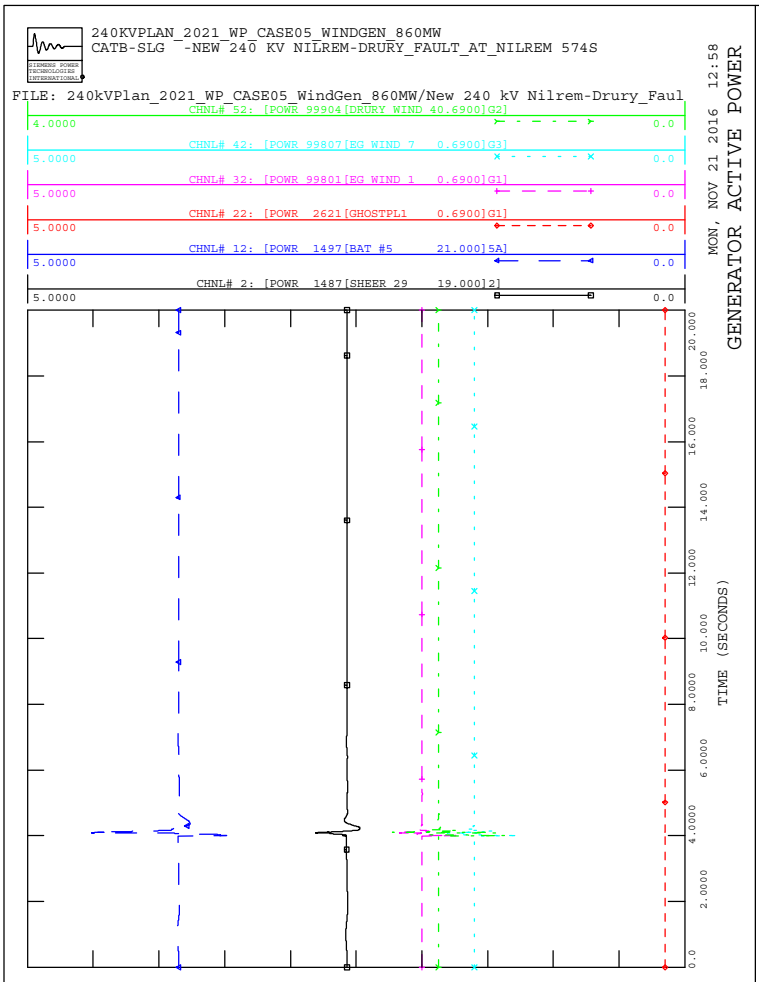
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S

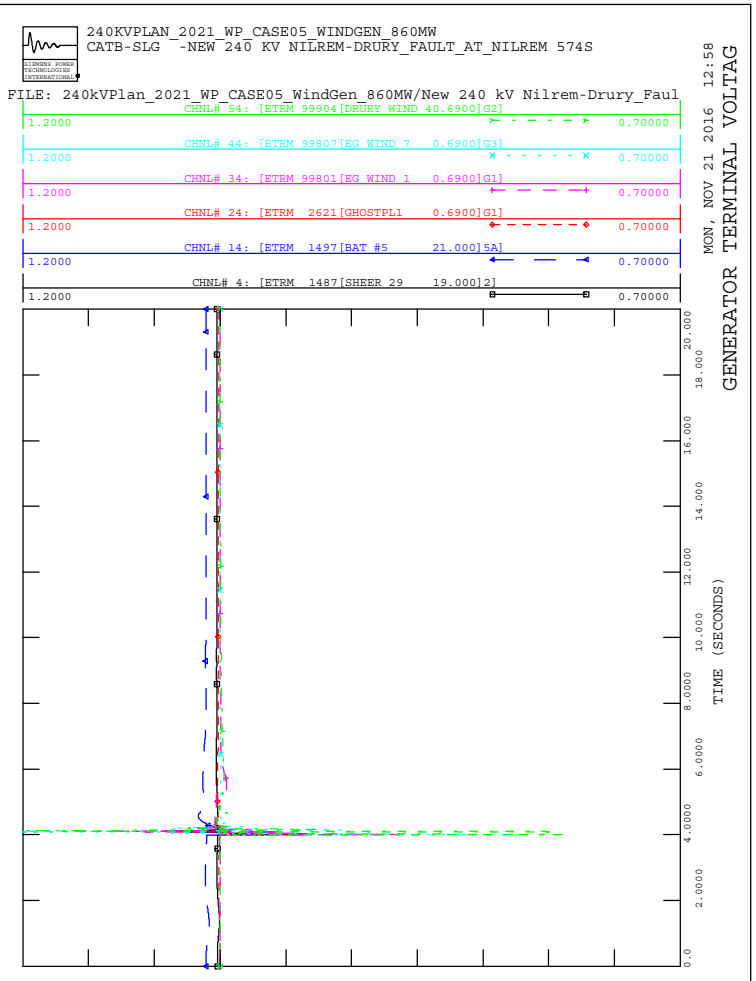
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

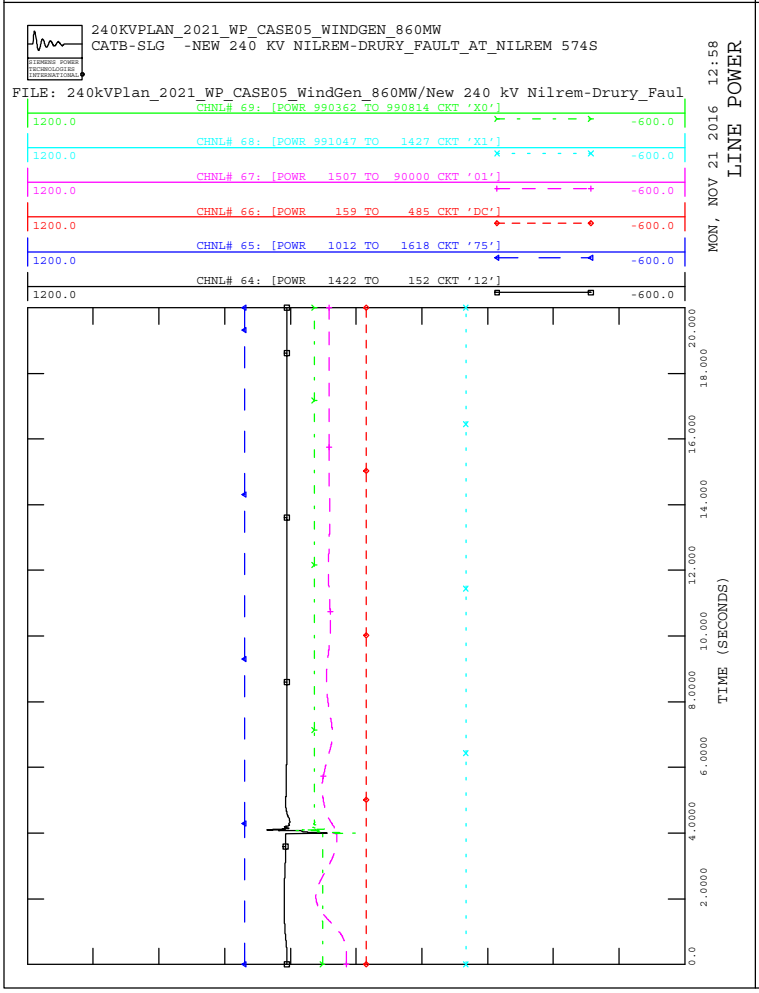
MON, NOV 21 2016 12:58

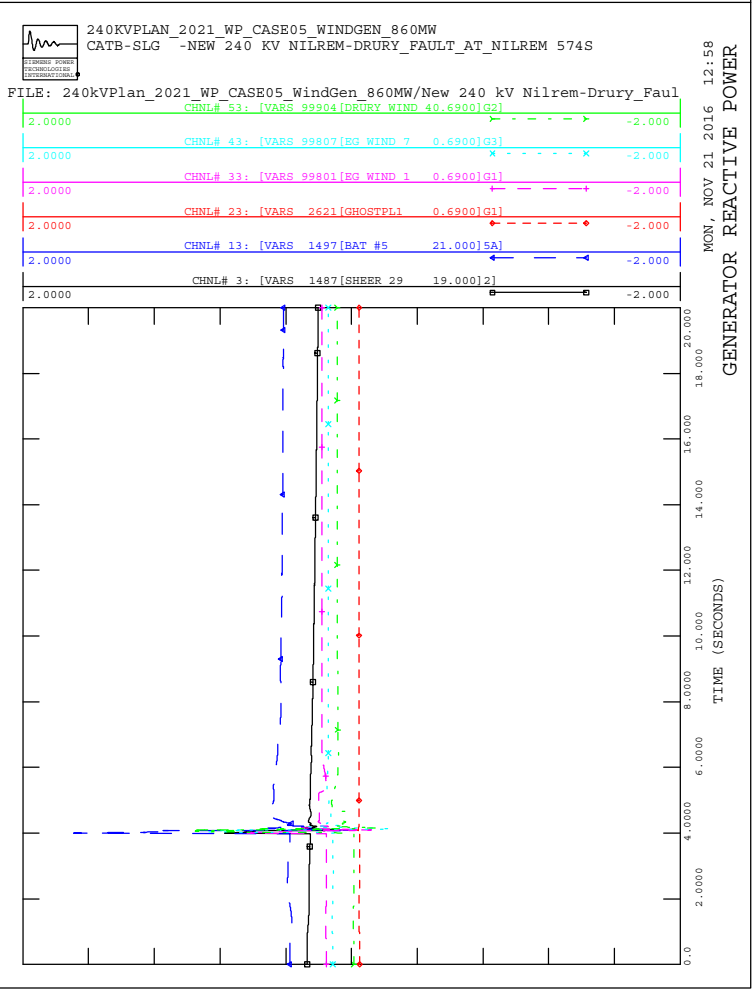
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58

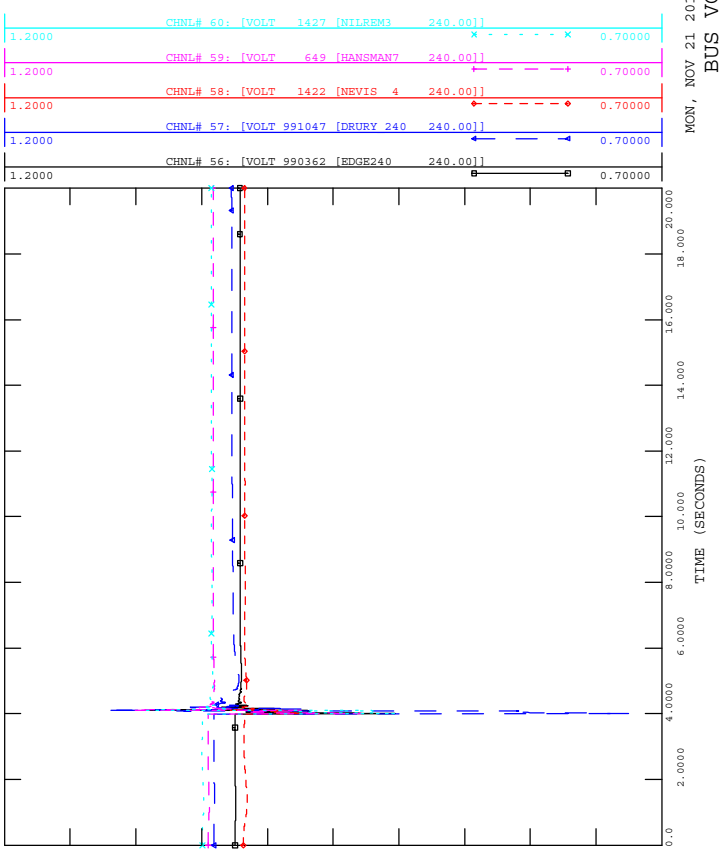

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
LINE POWER
MON, NOV 21 2016 12:58


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_NILREM 574S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

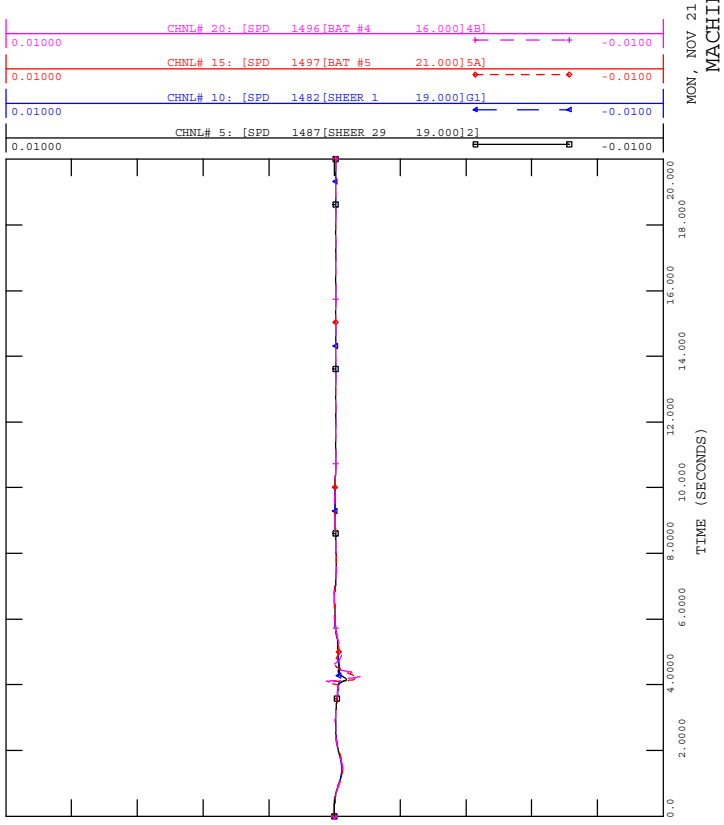


MON, NOV 21 2016 12:58

BUS VOLTAGE

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

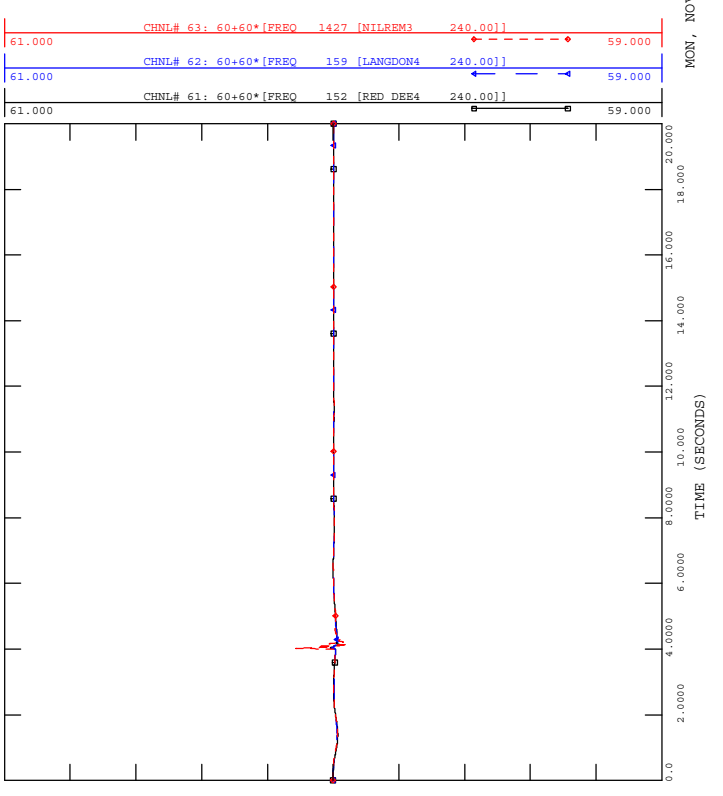


MON, NOV 21 2016 12:58

MACHINE SPEED

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul

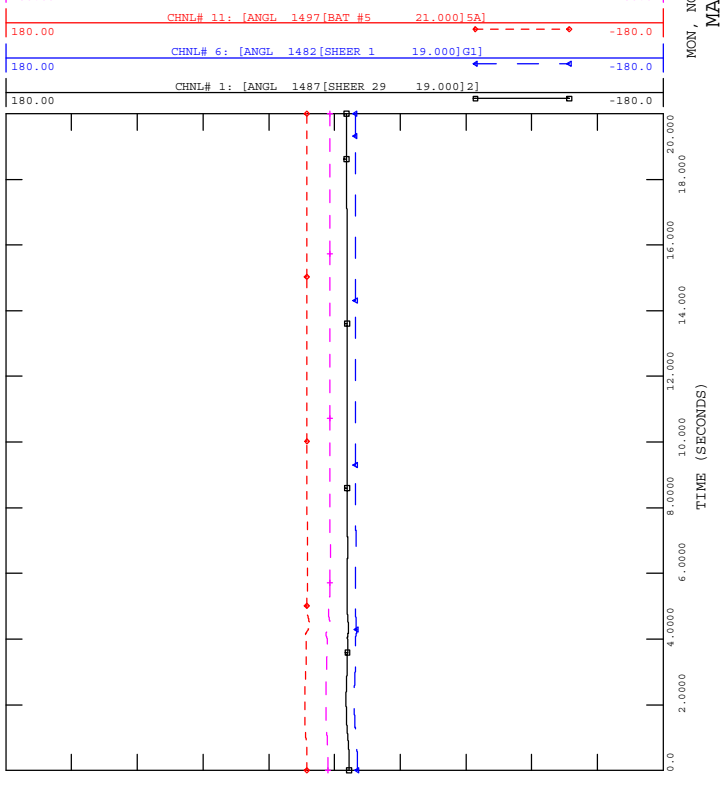


MON, NOV 21 2016 12:58

FREQUENCY

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul



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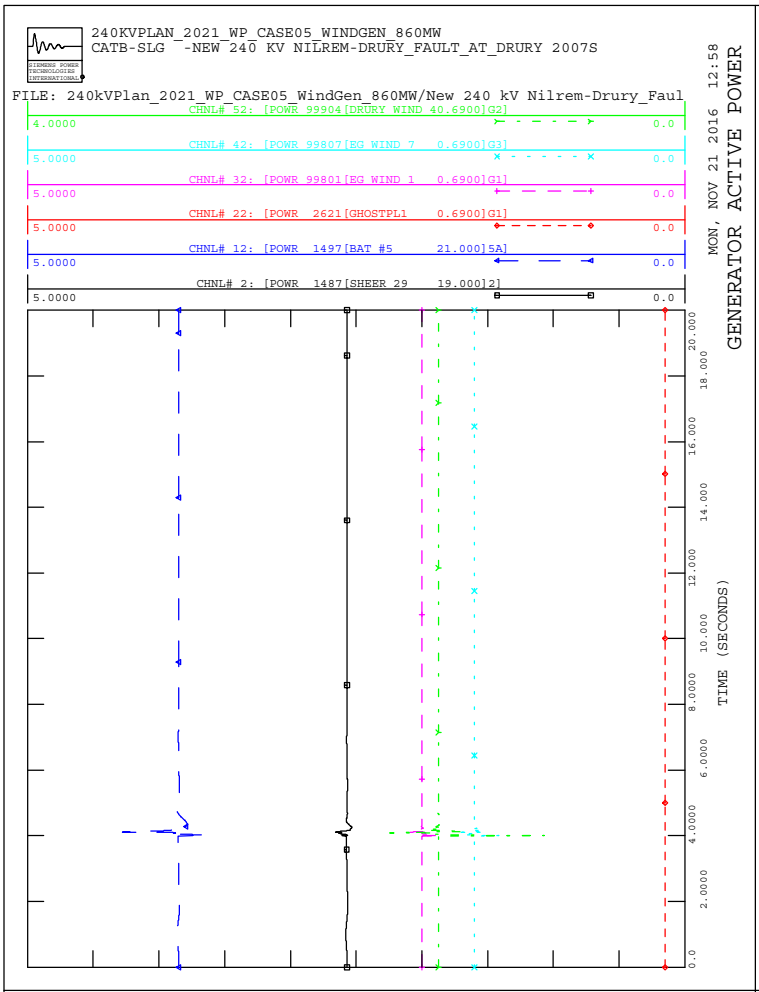
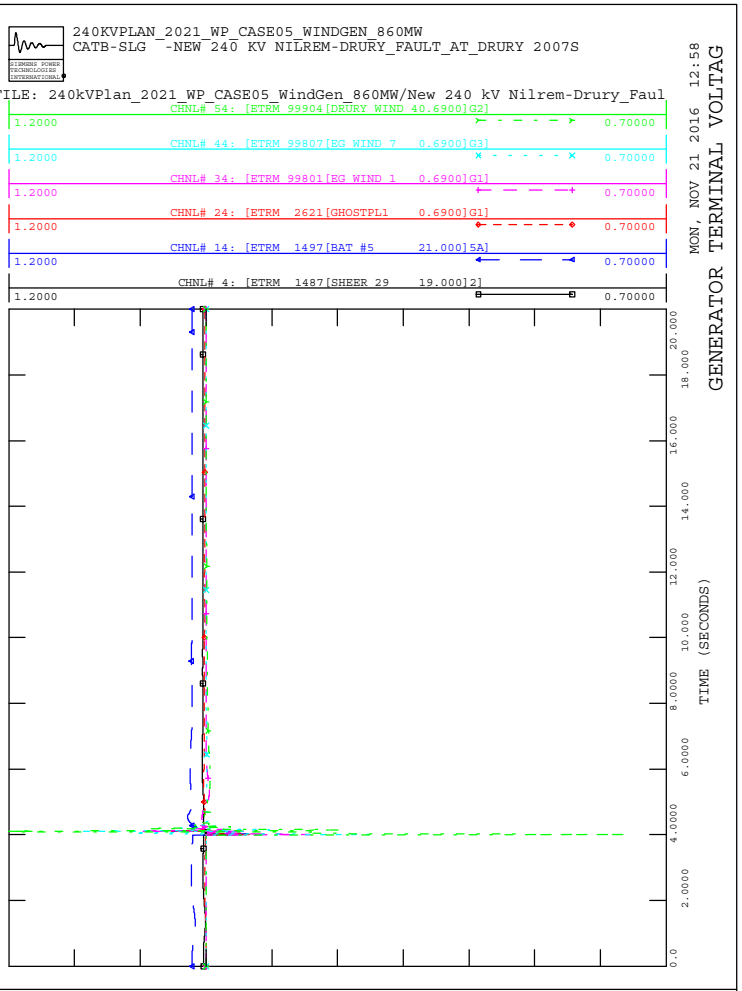
MACHINE ANGEL


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:58
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
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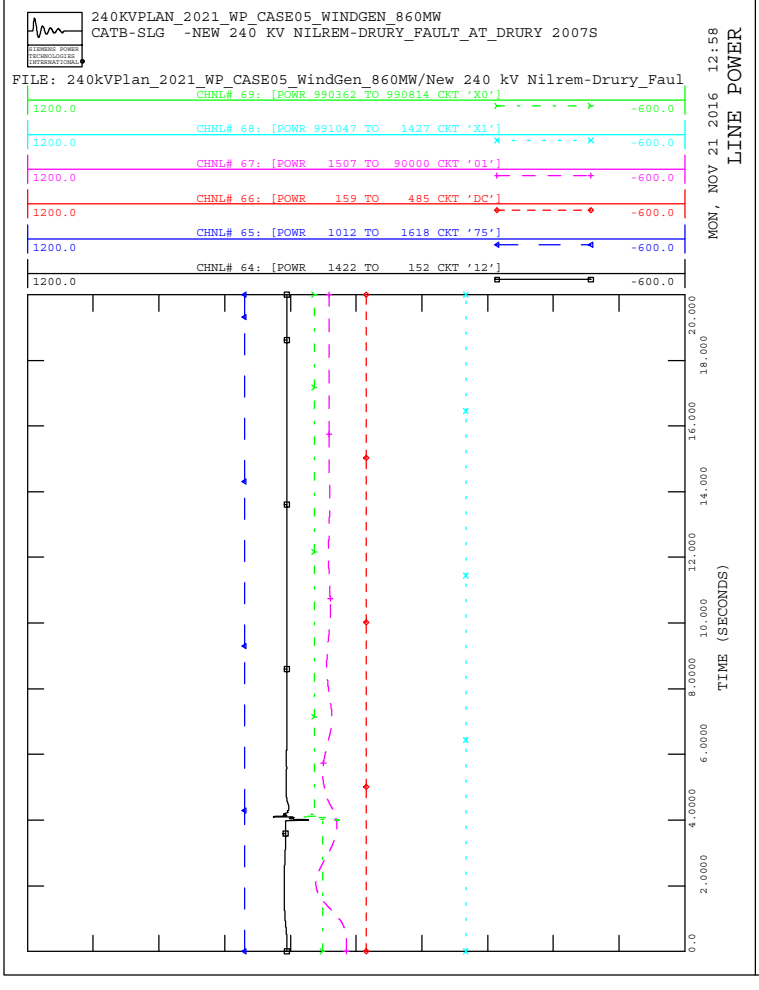
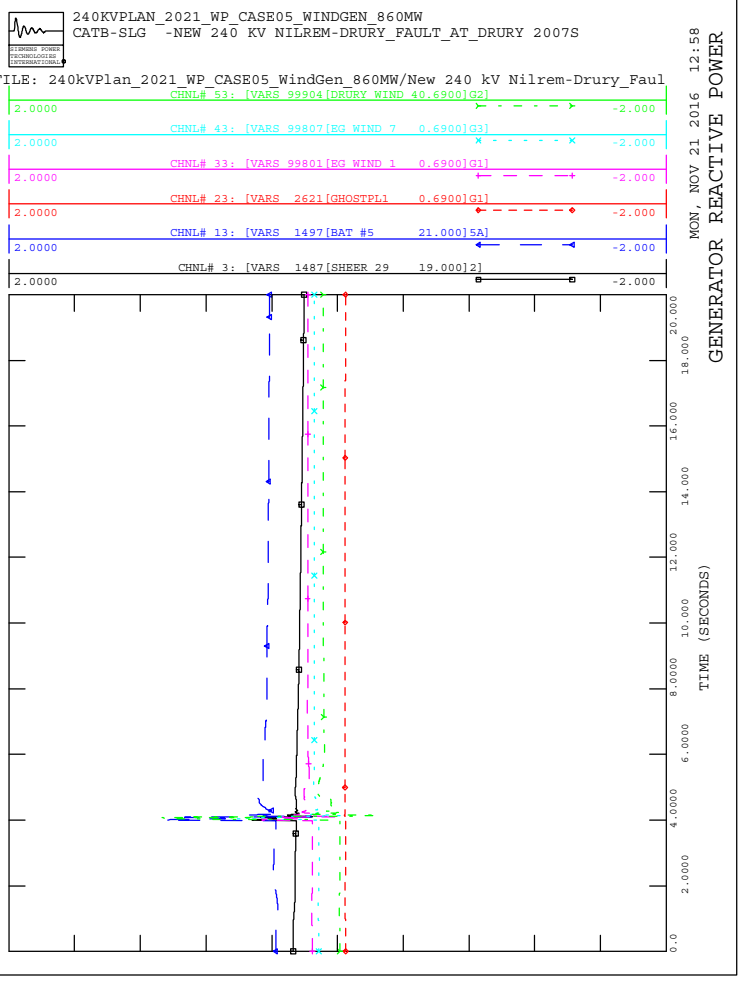
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 12:58
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Nilrem-Drury_Faul
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 12:58
LINE POWER
TIME (SECONDS)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CATB-SLG -NEW 240 KV NILREM-DRURY_FAULT_AT_DRURY 2007S
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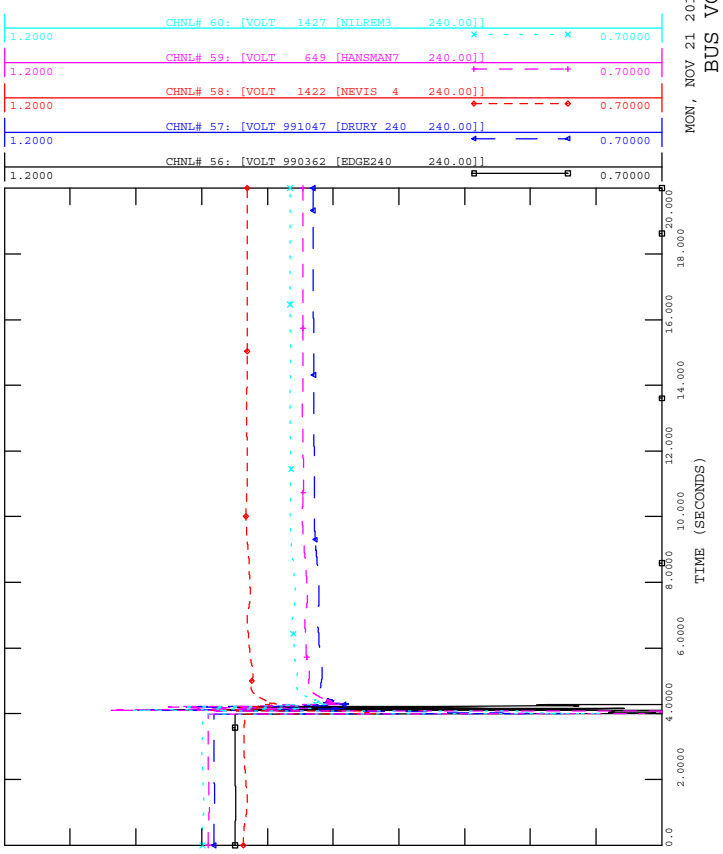
MON, NOV 21 2016 12:58
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:58

BUS VOLTAGE

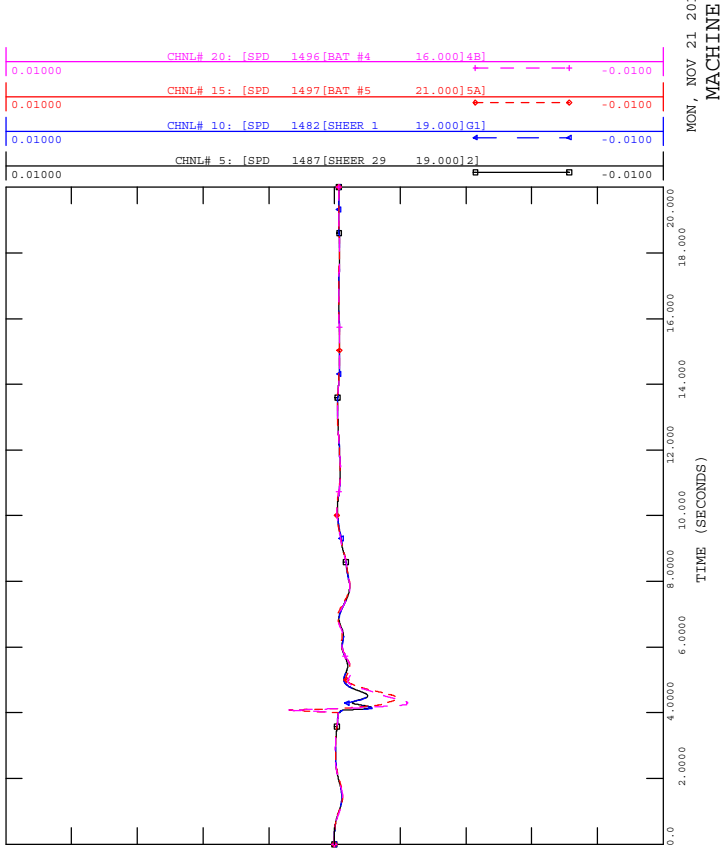


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:58

MACHINE SPEED

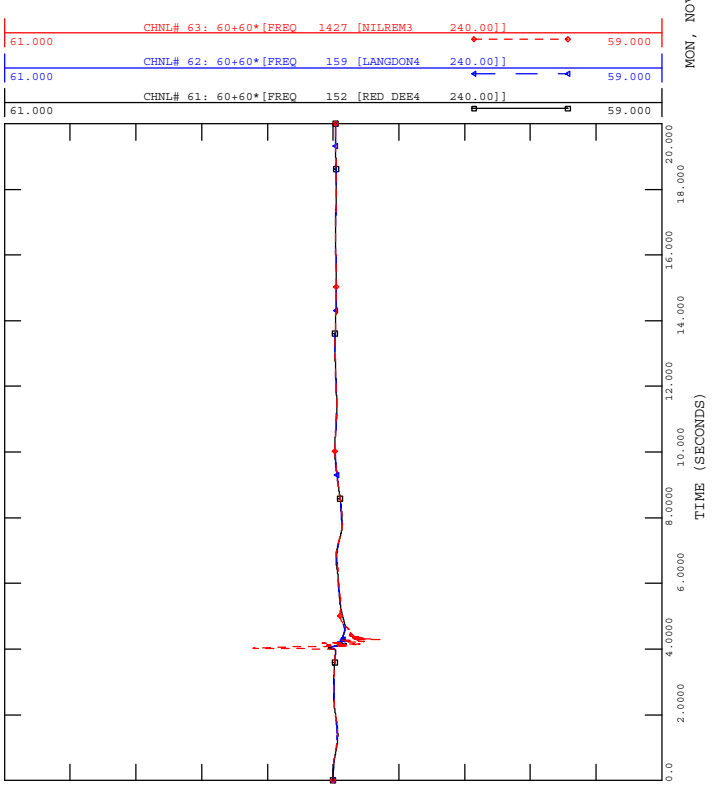


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:58

FREQUENCY

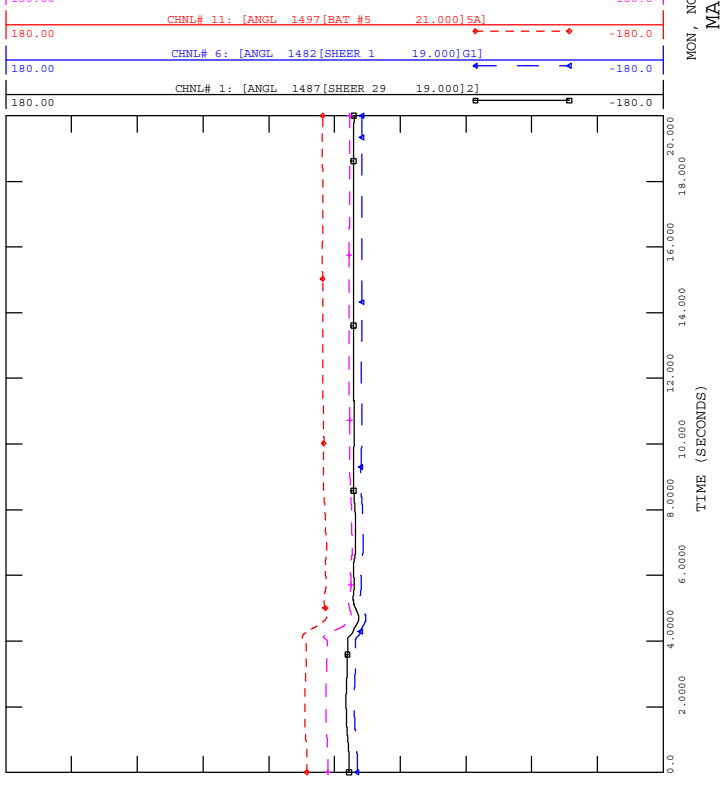


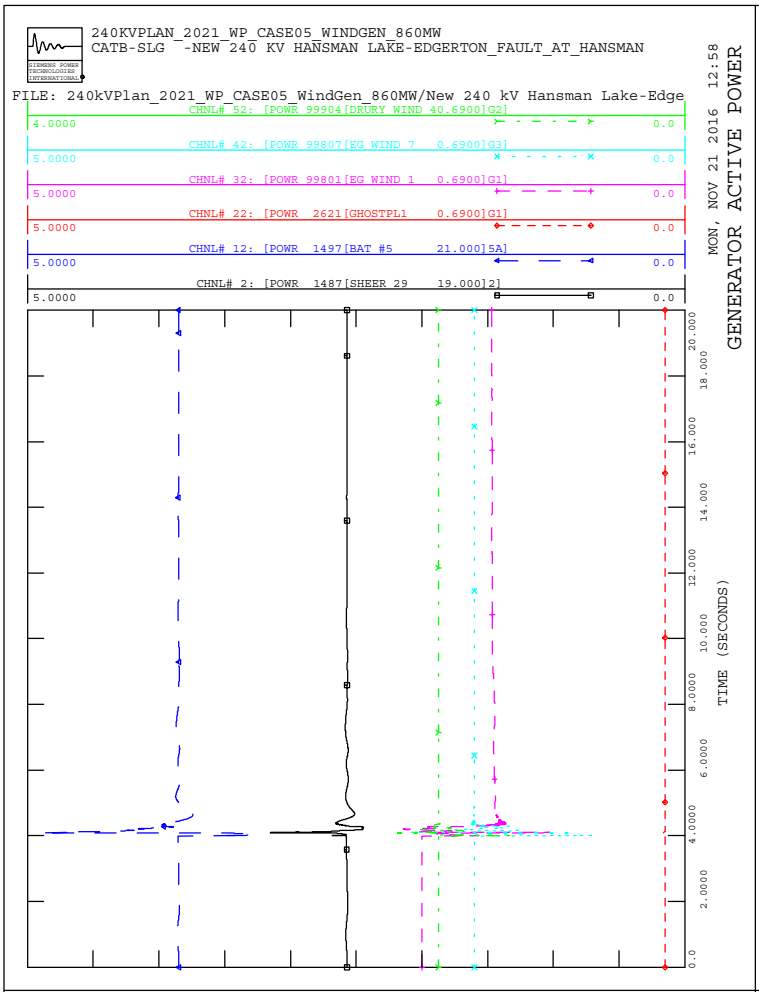
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:58

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge
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CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
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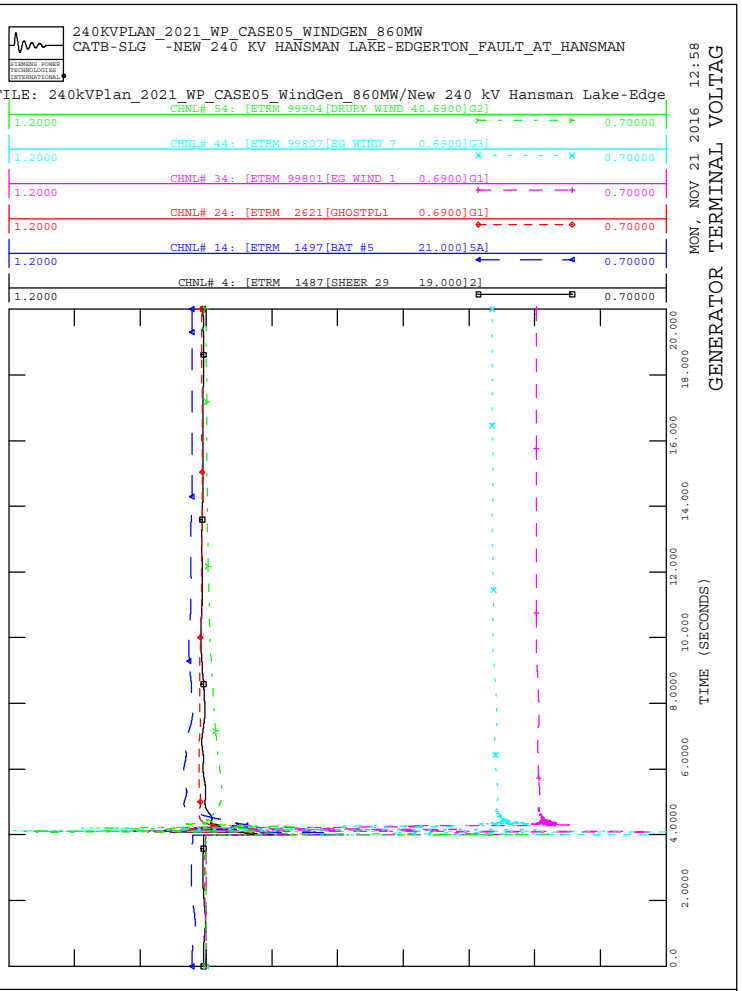
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge
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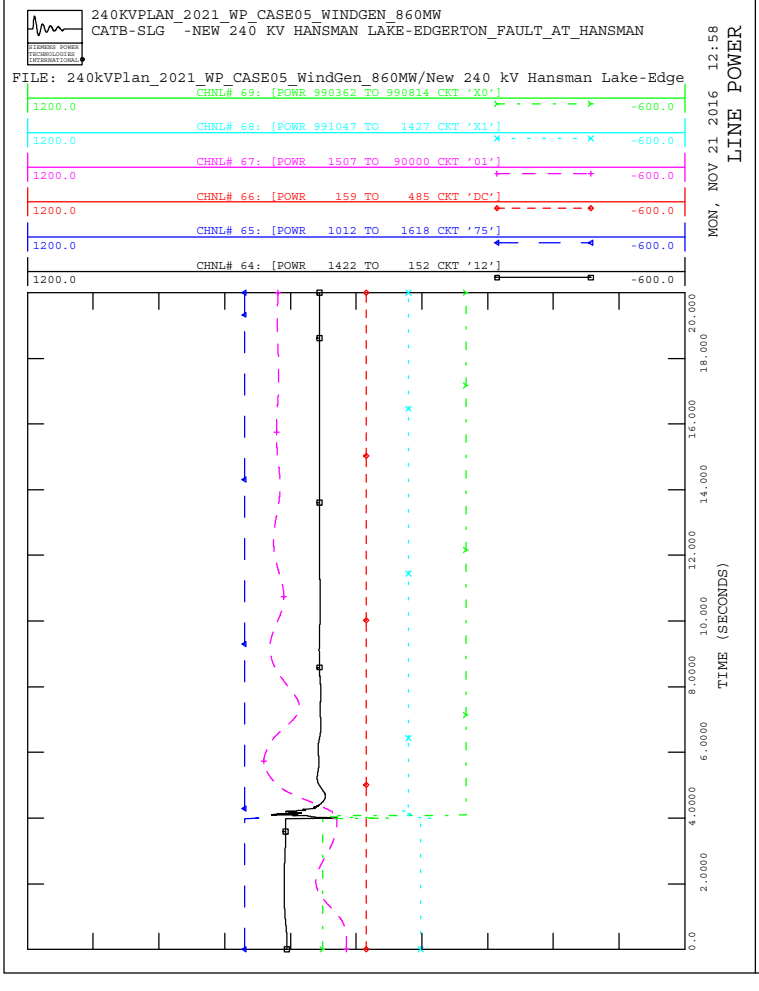
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge
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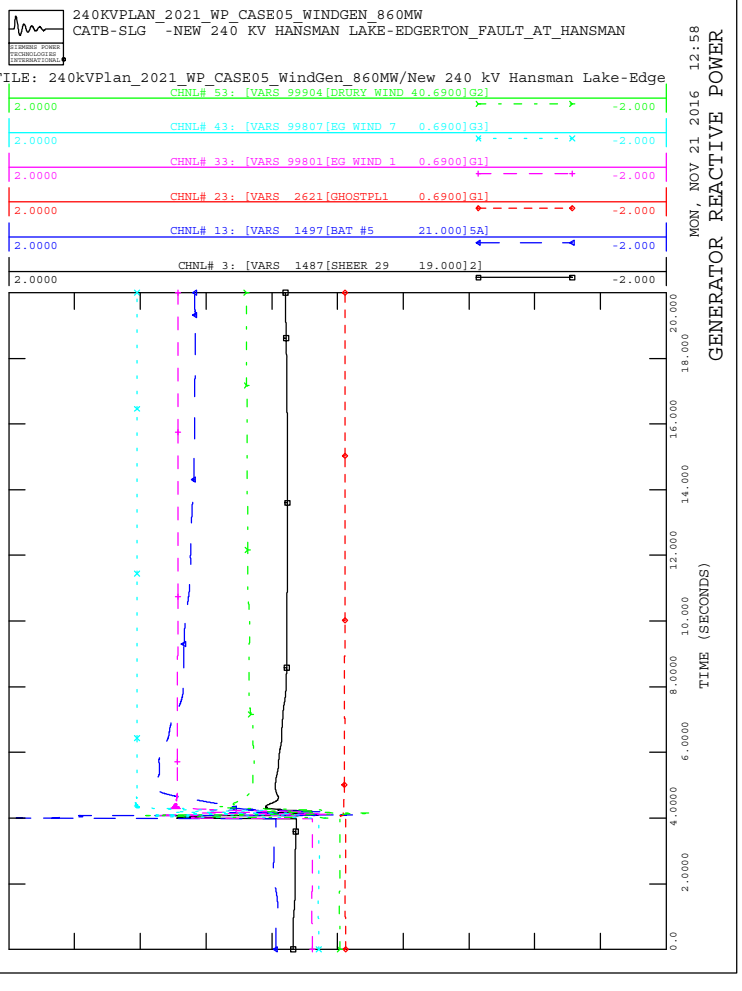
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_HANSMAN
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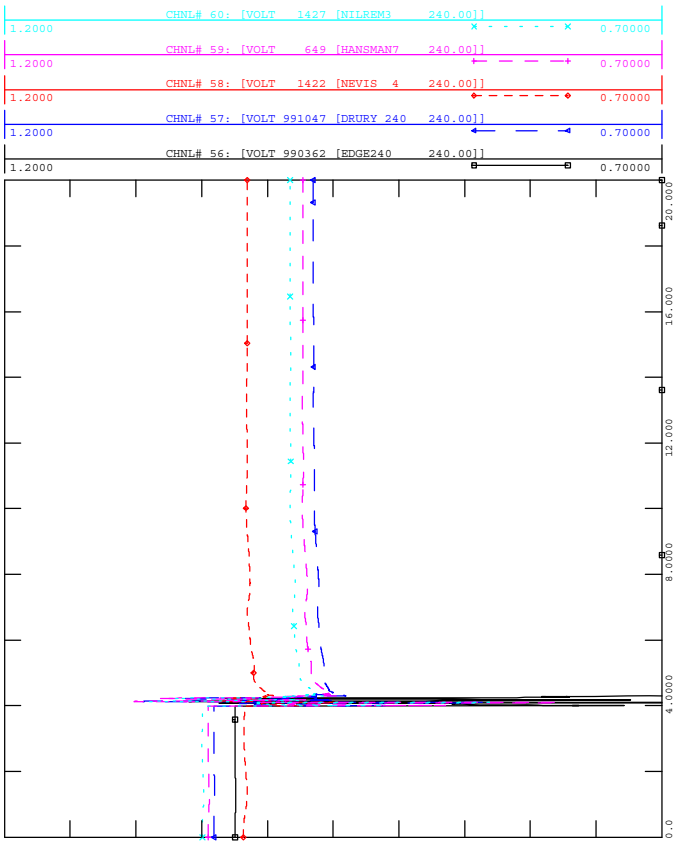
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:58

BUS VOLTAGE

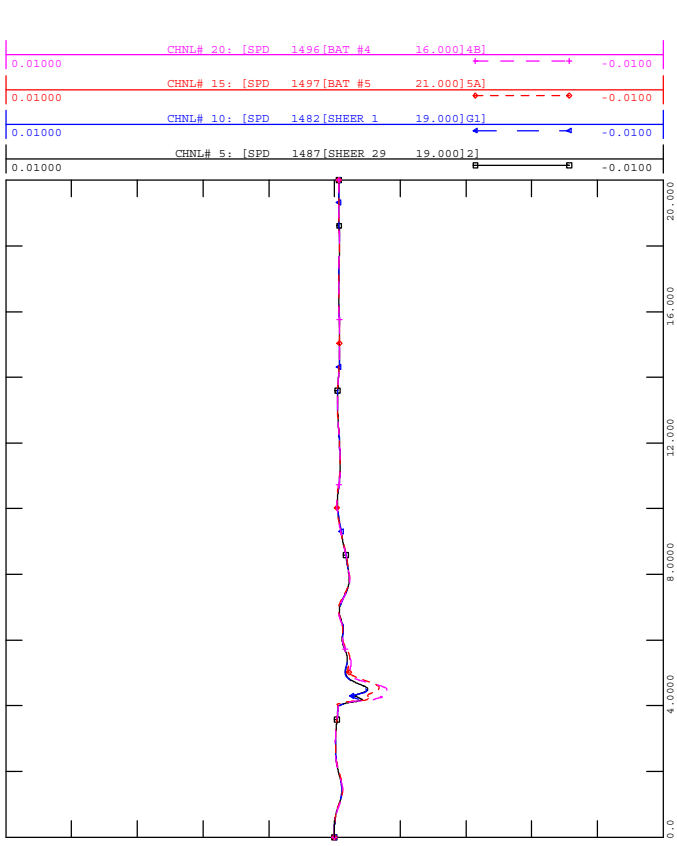


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:58

MACHINE SPEED

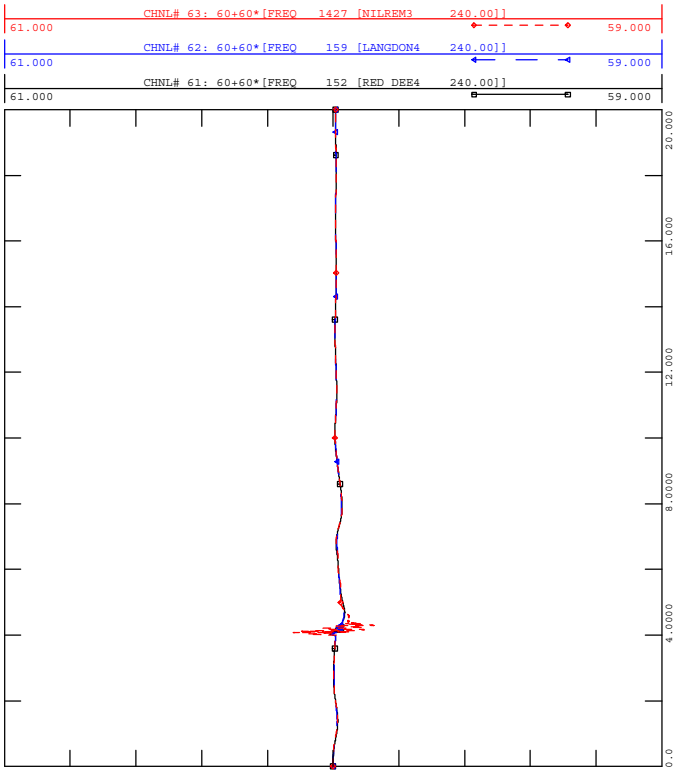


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:58

FREQUENCY

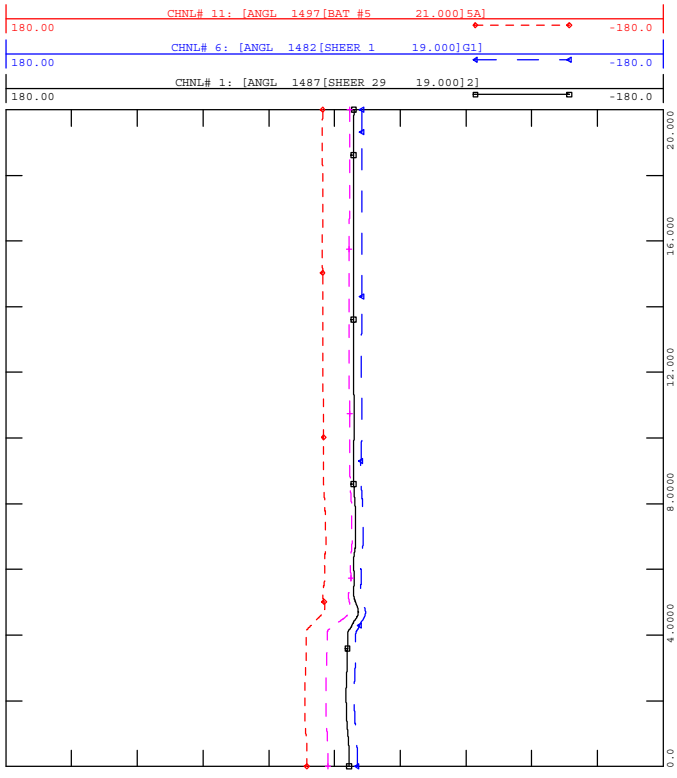


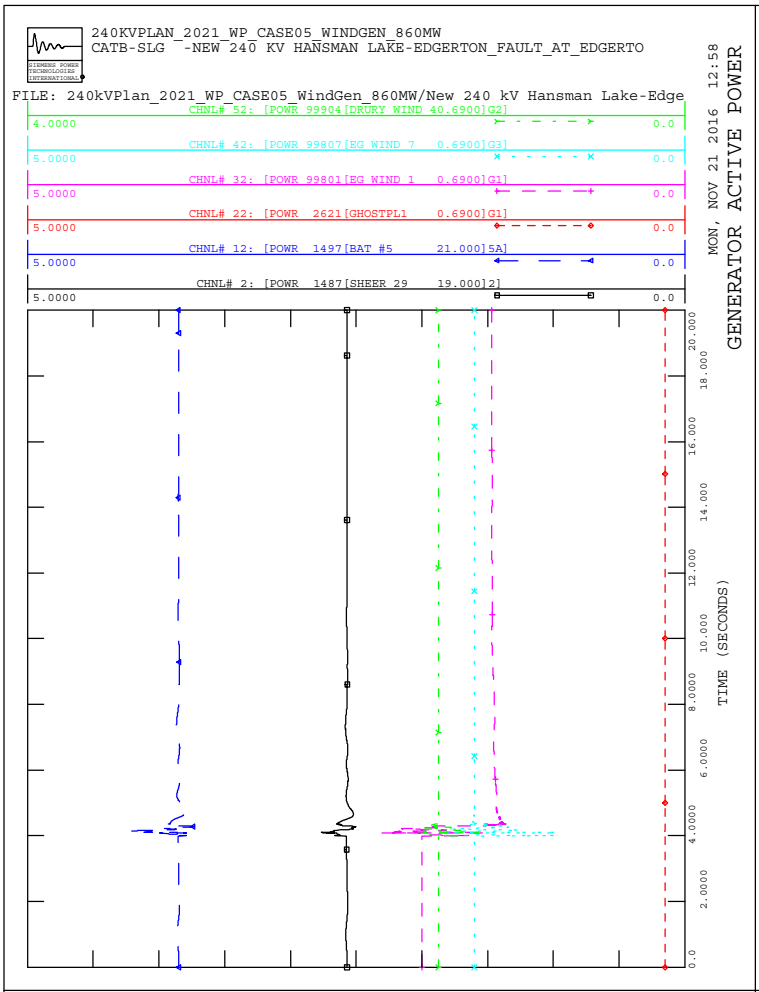
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge

MON, NOV 21 2016 12:58

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
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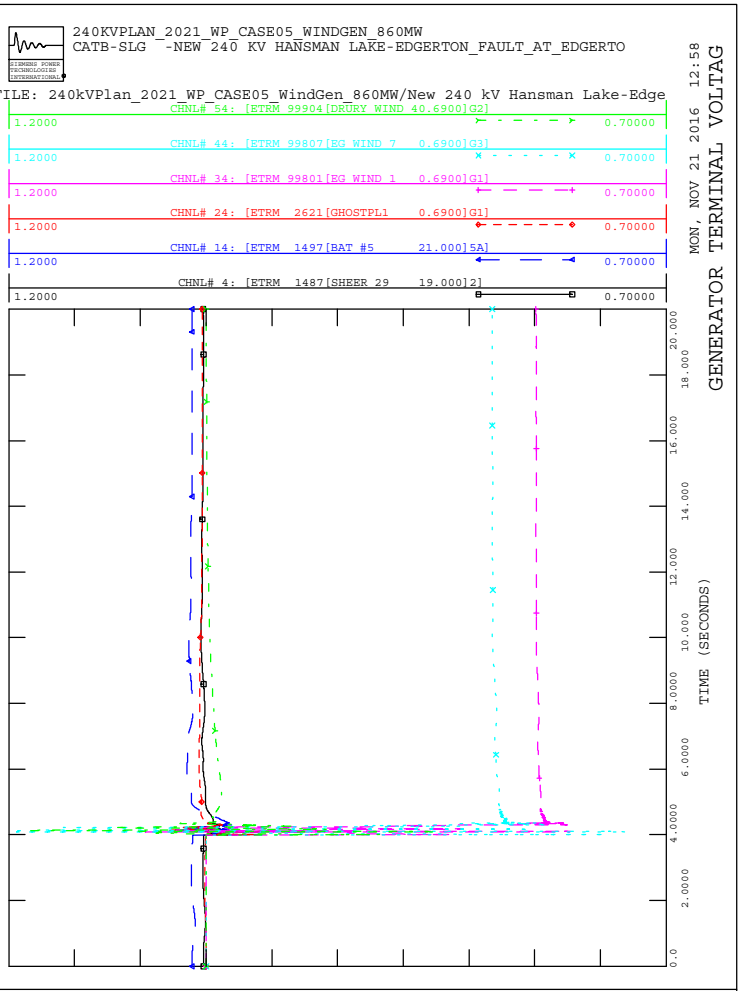
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge
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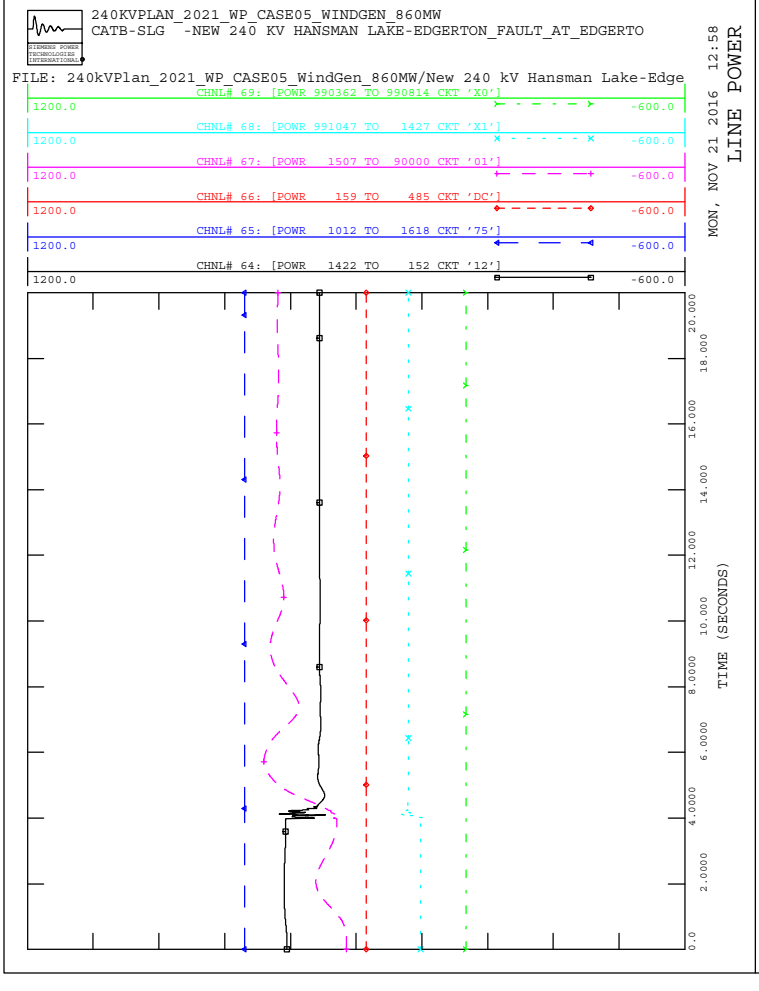
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
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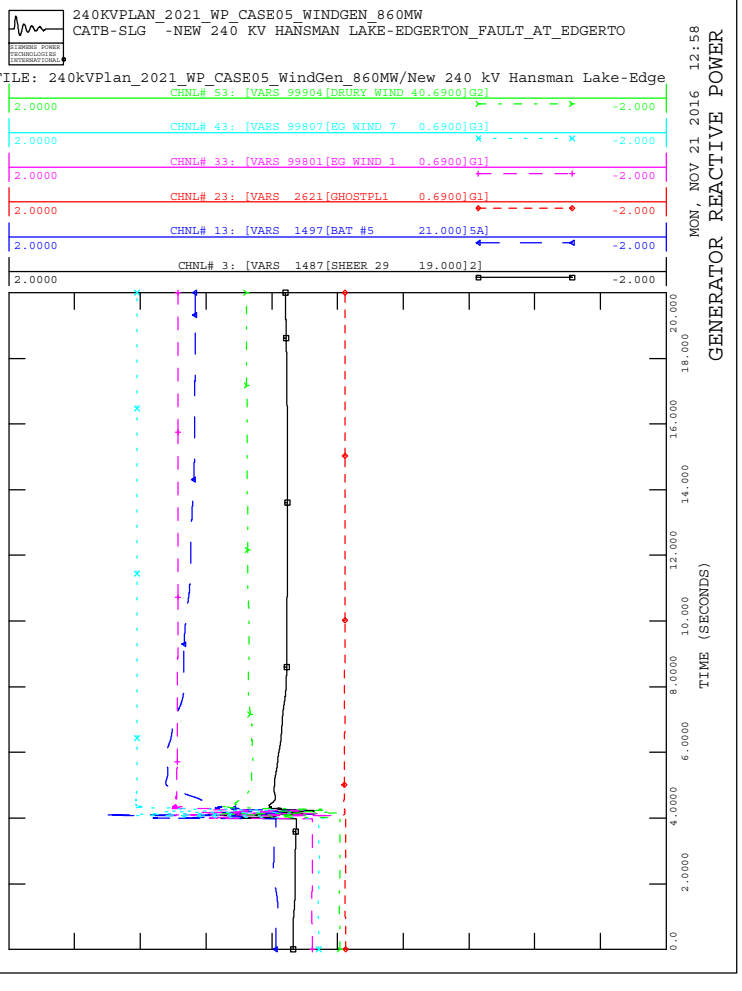
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HANSMAN LAKE-EDGERTON_FAULT_AT_EDGERTO
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV Hansman Lake-Edge
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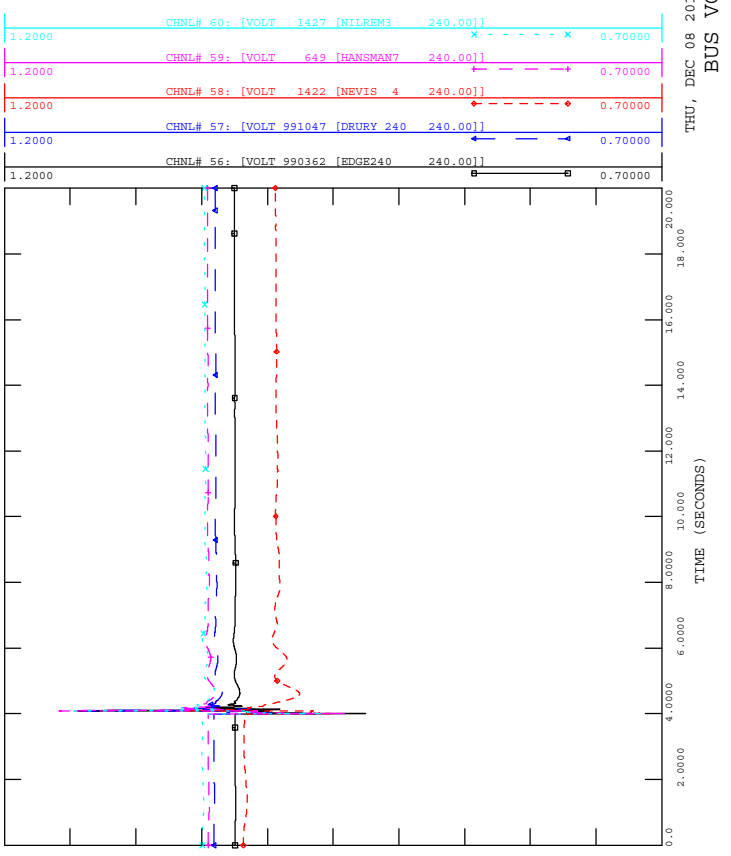
GENERATOR REACTIVE POWER
MON, NOV 21 2016 12:58
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:56

BUS VOLTAGE

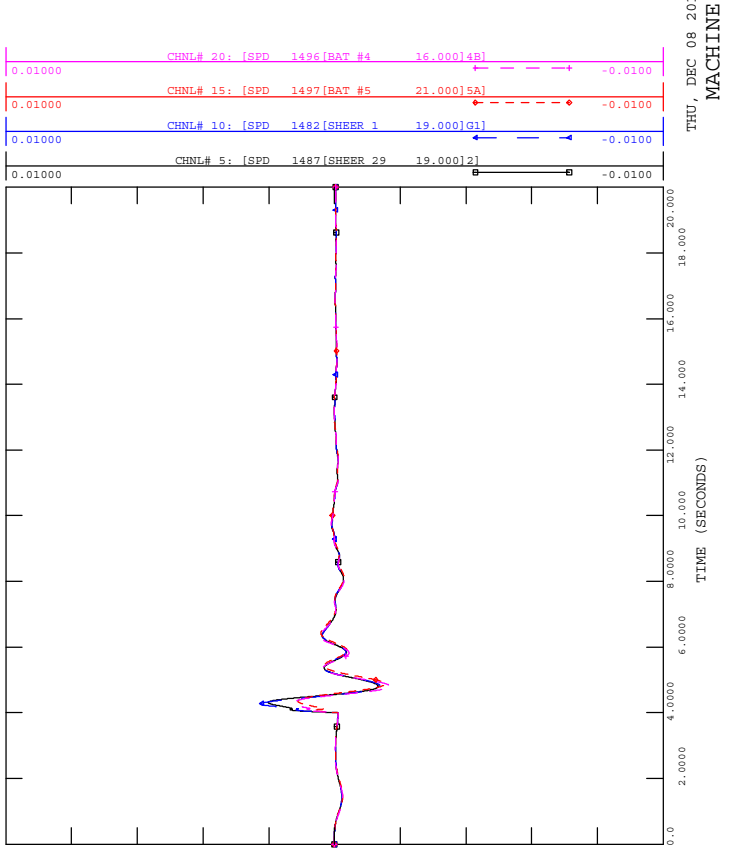


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:56

MACHINE SPEED

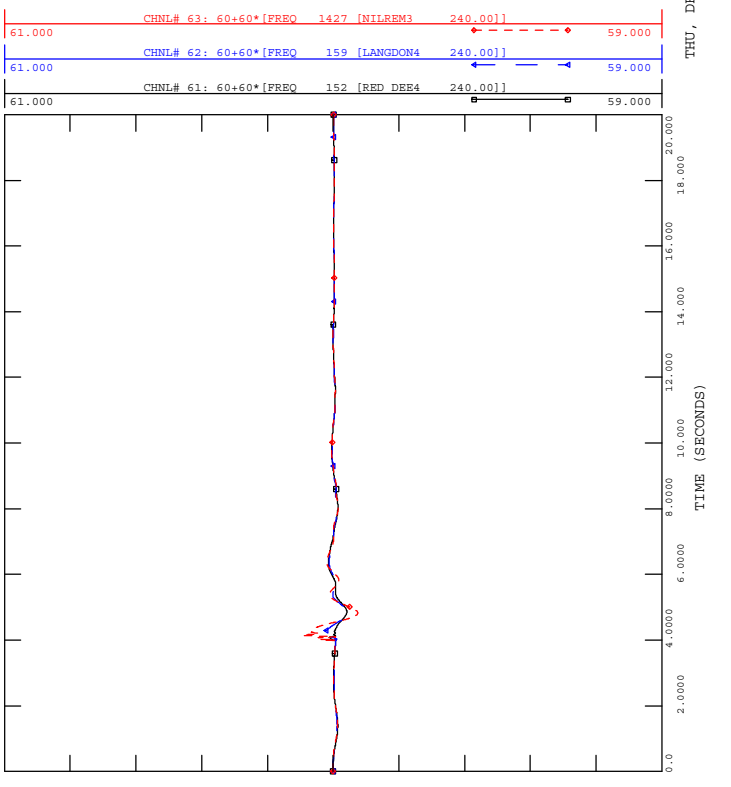


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:56

FREQUENCY

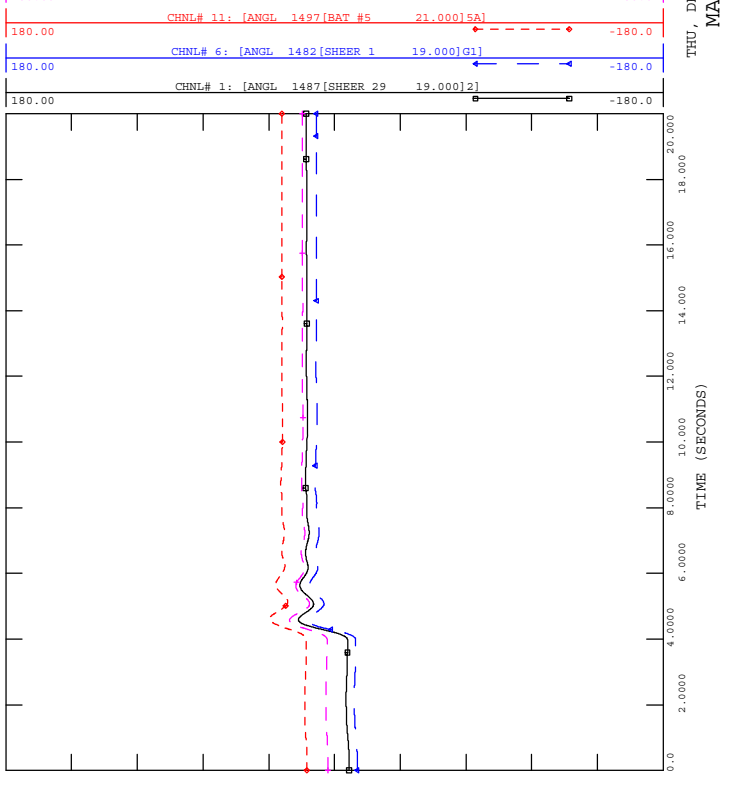


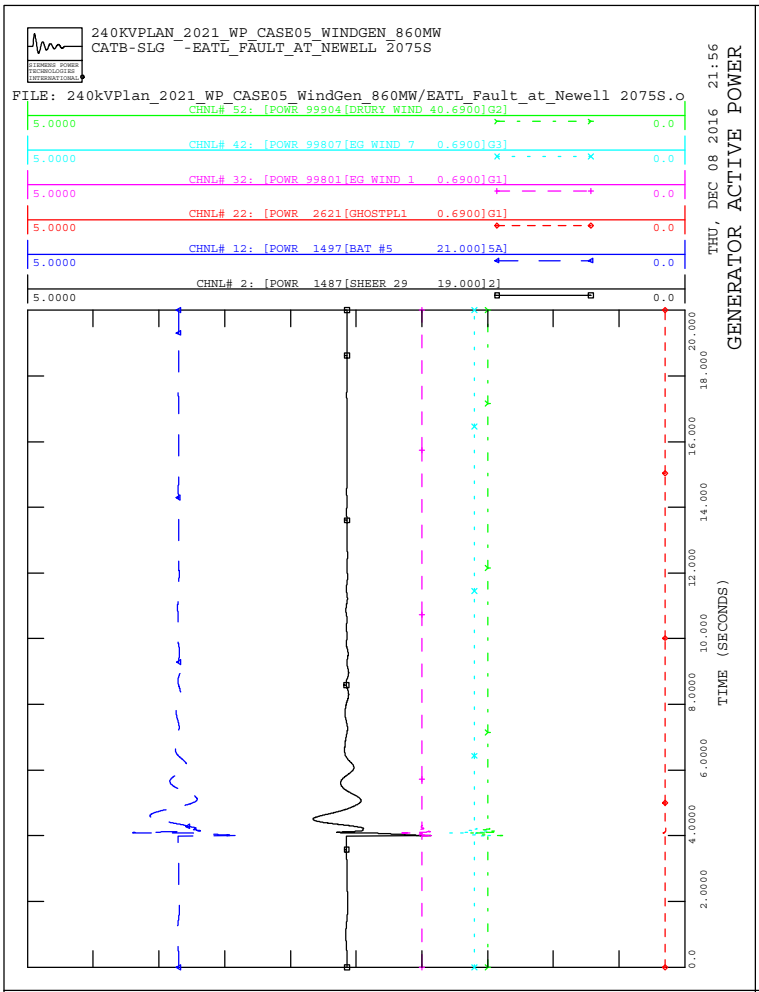
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S

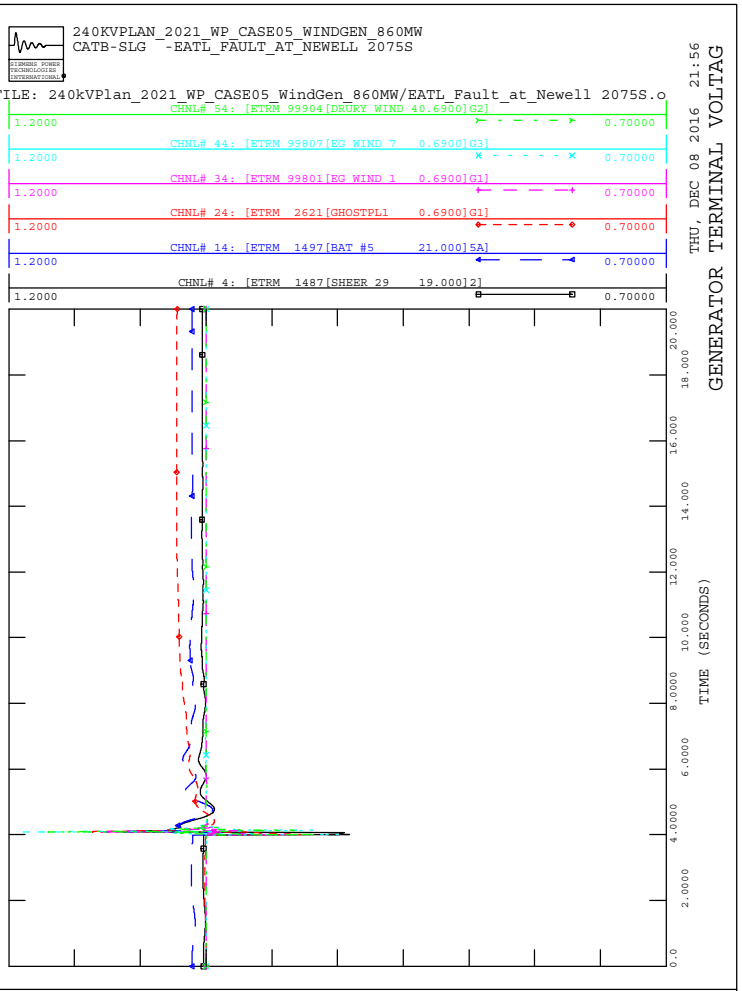
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o

THU, DEC 08 2016 21:56

MACHINE ANGLE




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
THU, DEC 08 2016 21:56
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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THU, DEC 08 2016 21:56
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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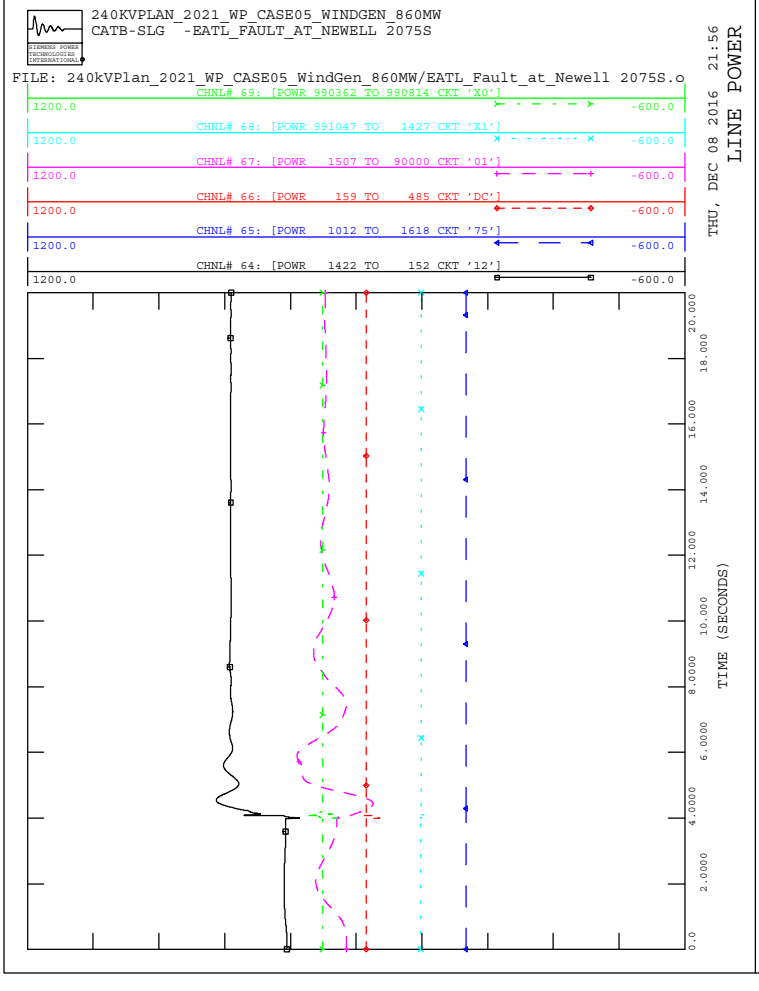
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
THU, DEC 08 2016 21:56
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
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12.000
14.000
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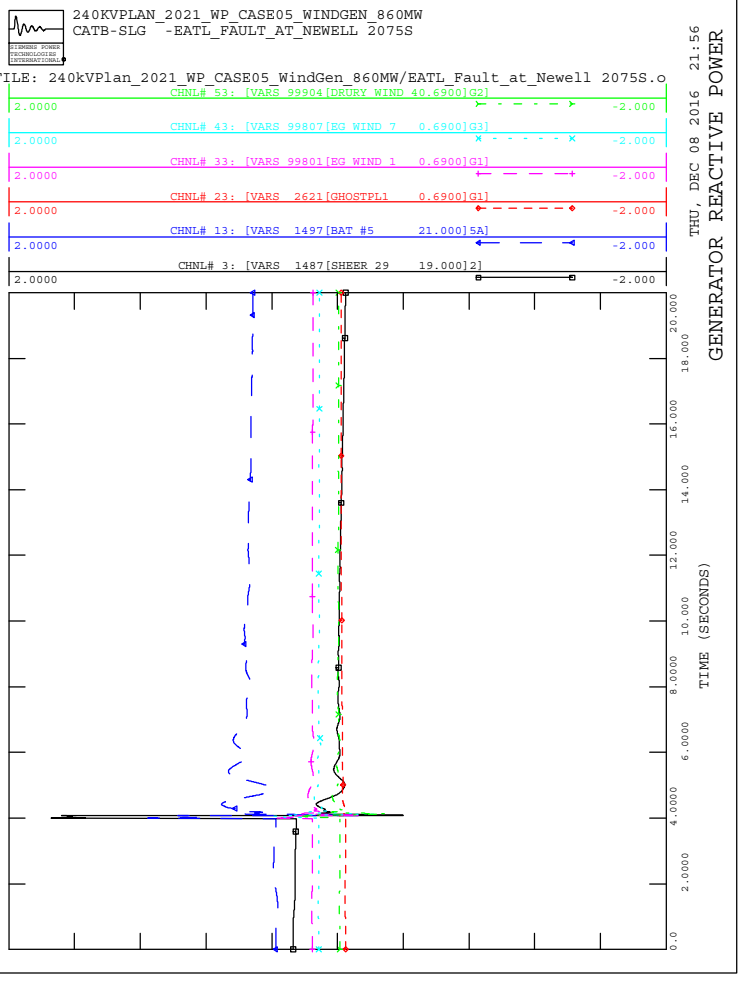
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -EATL_FAULT_AT_NEWELL 2075S
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/EATL_Fault_at_Newell 2075S.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
THU, DEC 08 2016 21:56
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Summer Light

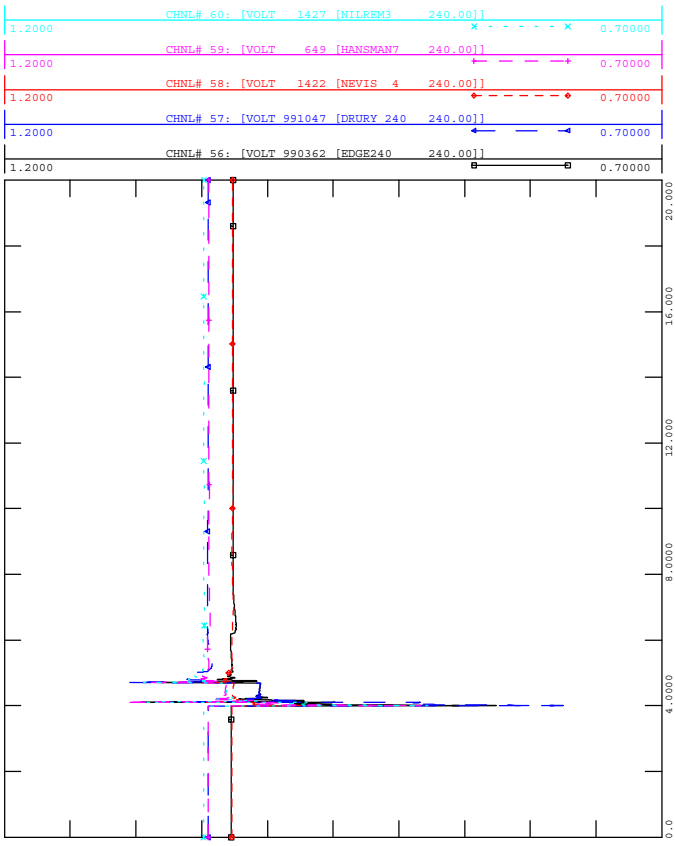
Category C5 (Line-to-line-to-ground Fault)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L14+7L130

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14+7L130.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

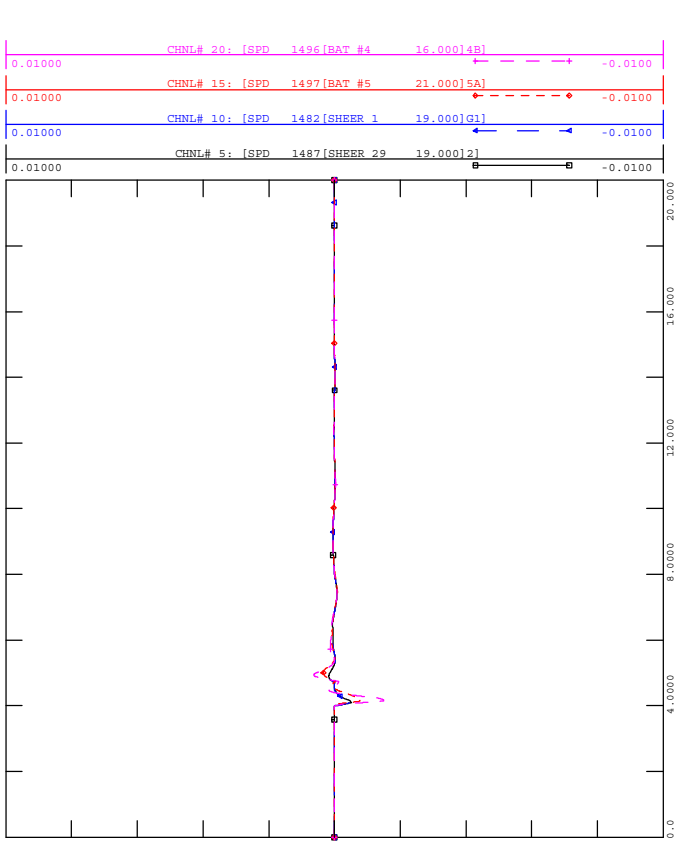


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L14+7L130

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14+7L130.out

MON, NOV 28 2016 22:39

MACHINE SPEED

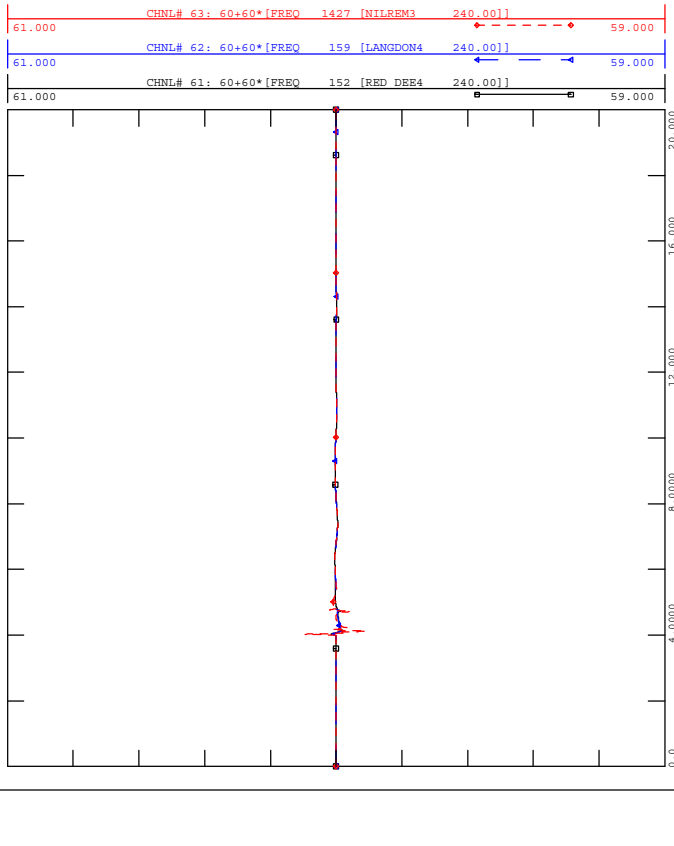


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L14+7L130

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14+7L130.out

MON, NOV 28 2016 22:39

FREQUENCY

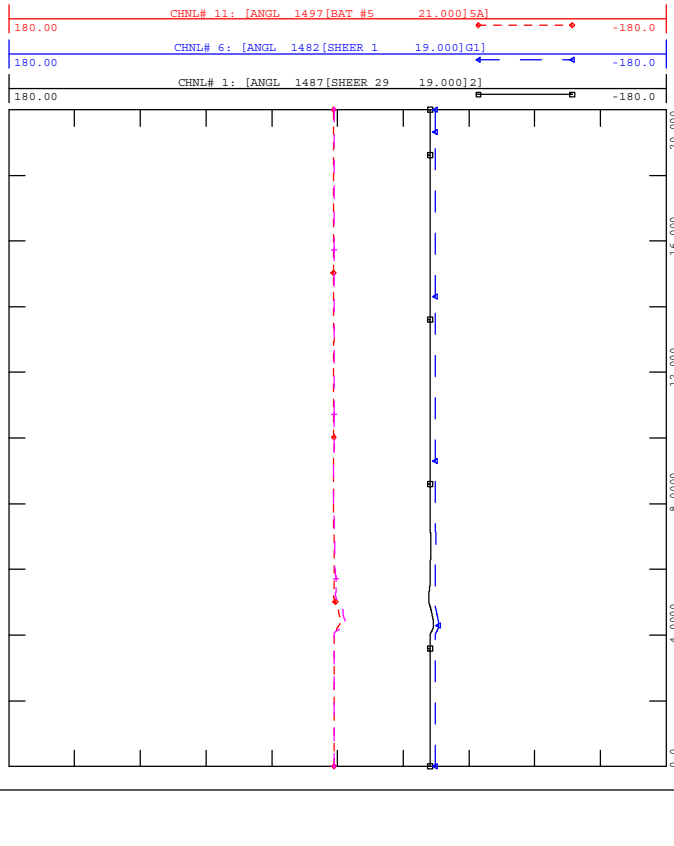


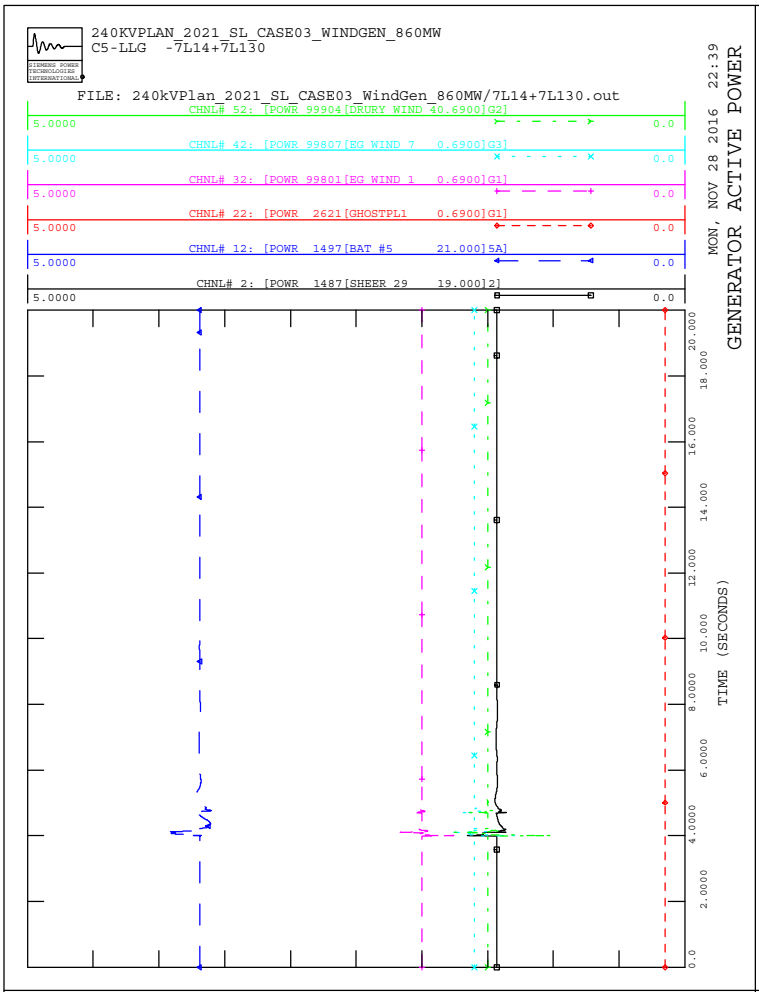
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L14+7L130

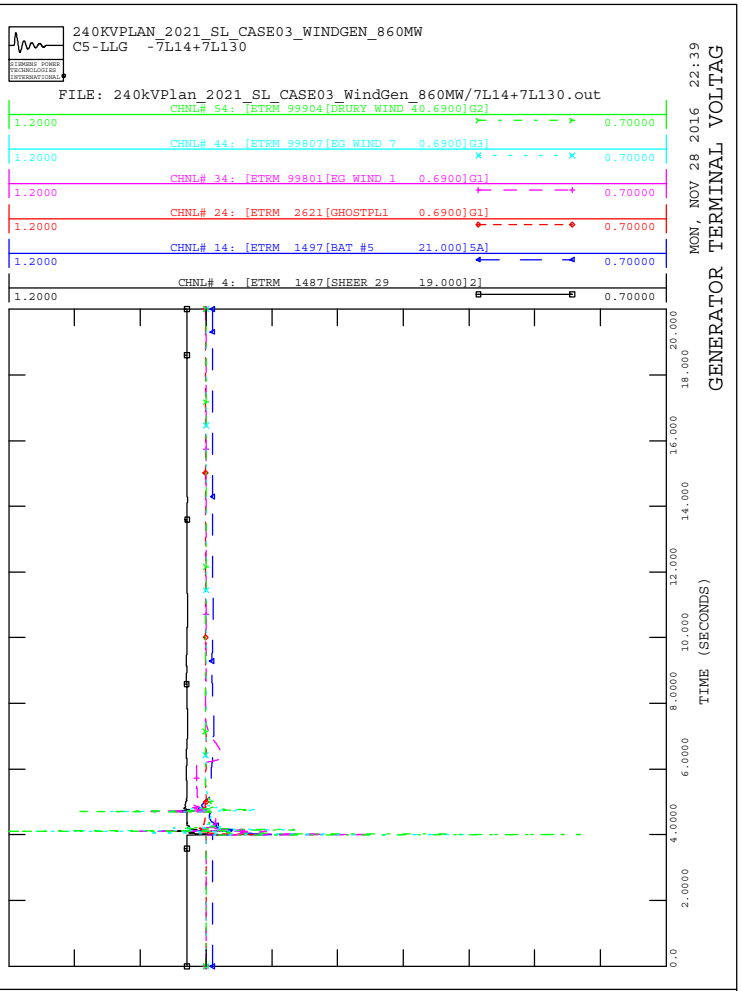
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14+7L130.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L14+7L130
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14+7L130.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L14+7L130
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14+7L130.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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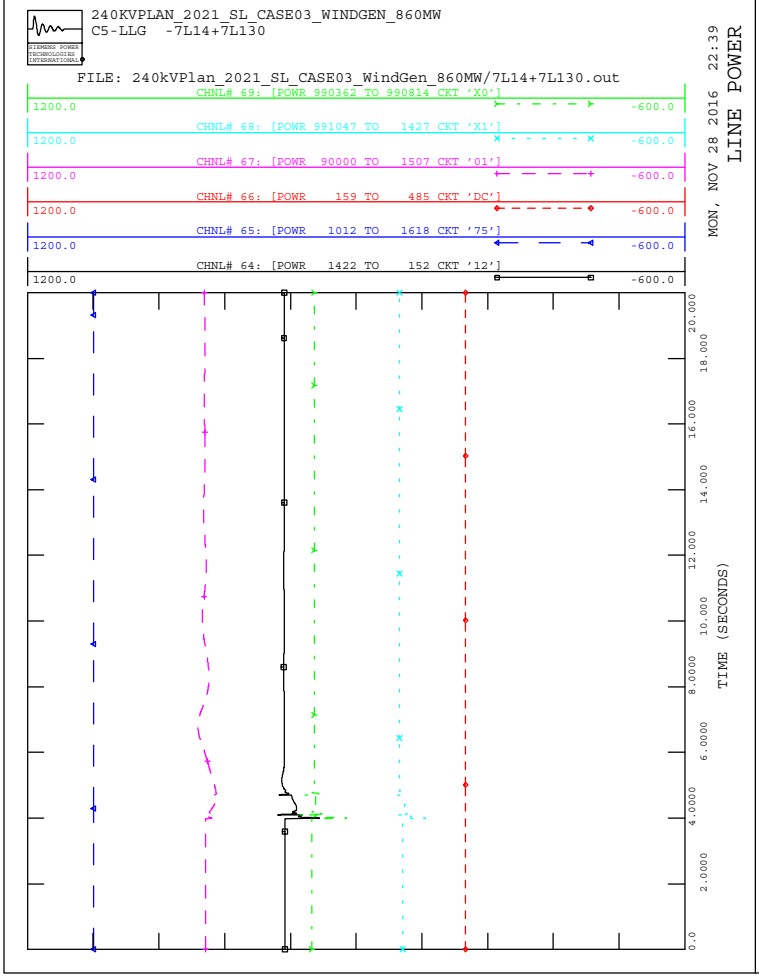
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L14+7L130
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14+7L130.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:39
LINE POWER
TIME (SECONDS)
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2.0000
4.0000
6.0000
8.0000
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12.000
14.000
16.000
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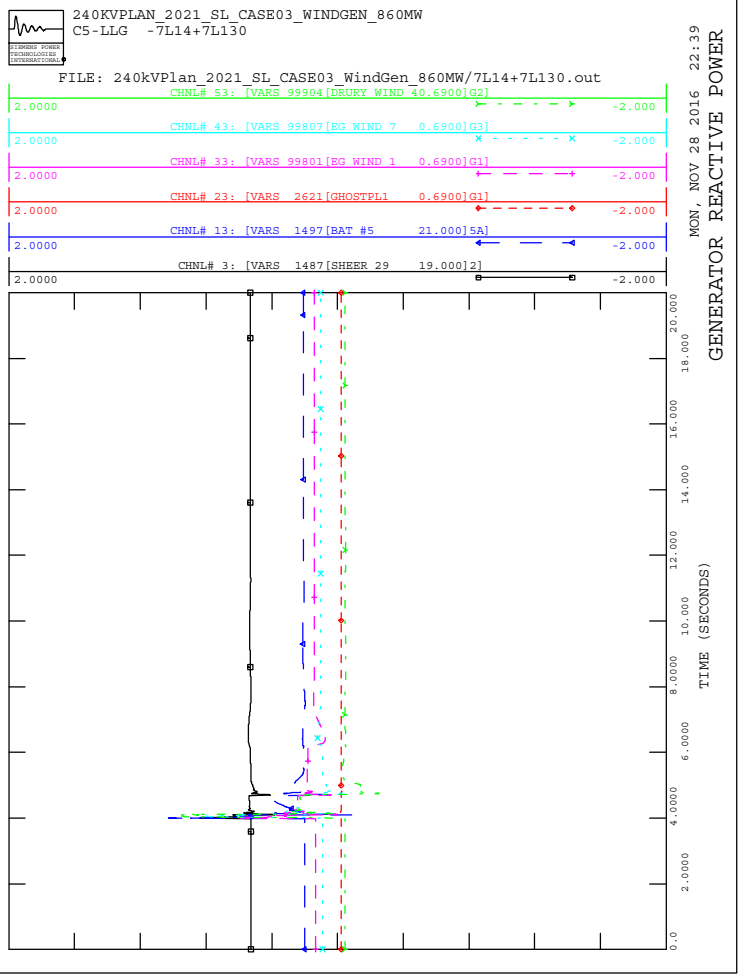
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L14+7L130
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L14+7L130.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
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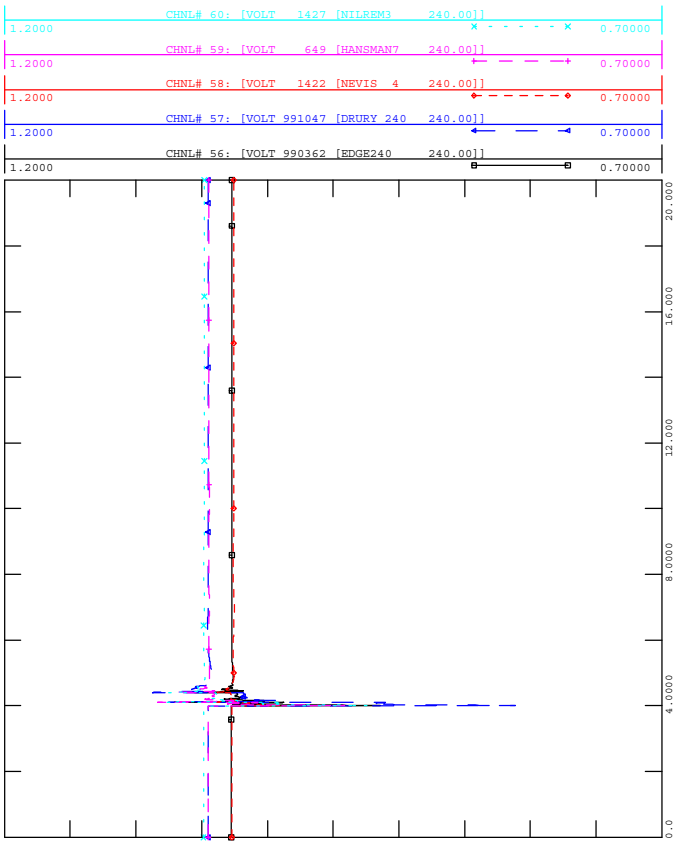
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L117+7L53

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117+7L53.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

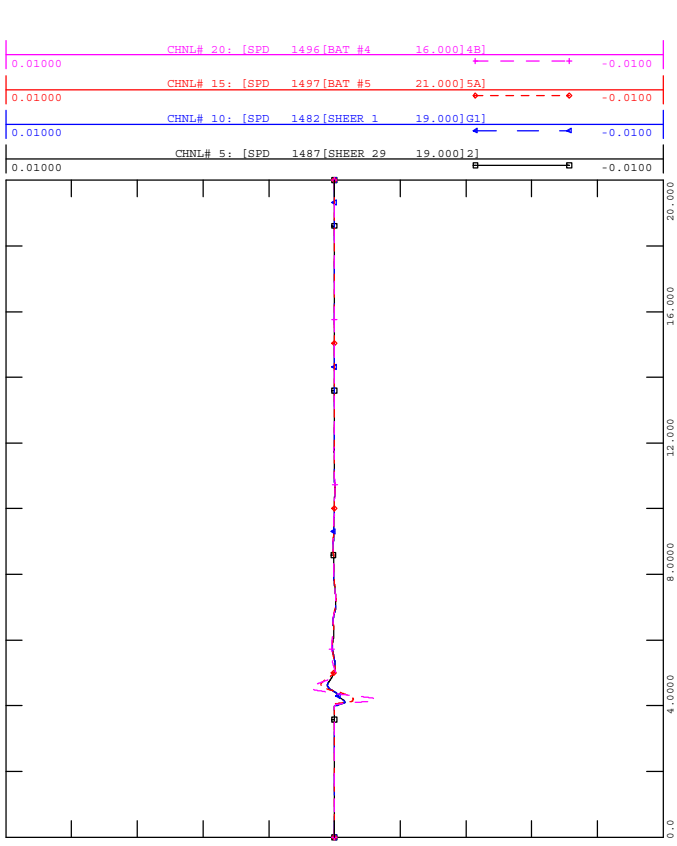


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L117+7L53

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117+7L53.out

MON, NOV 28 2016 22:39

MACHINE SPEED

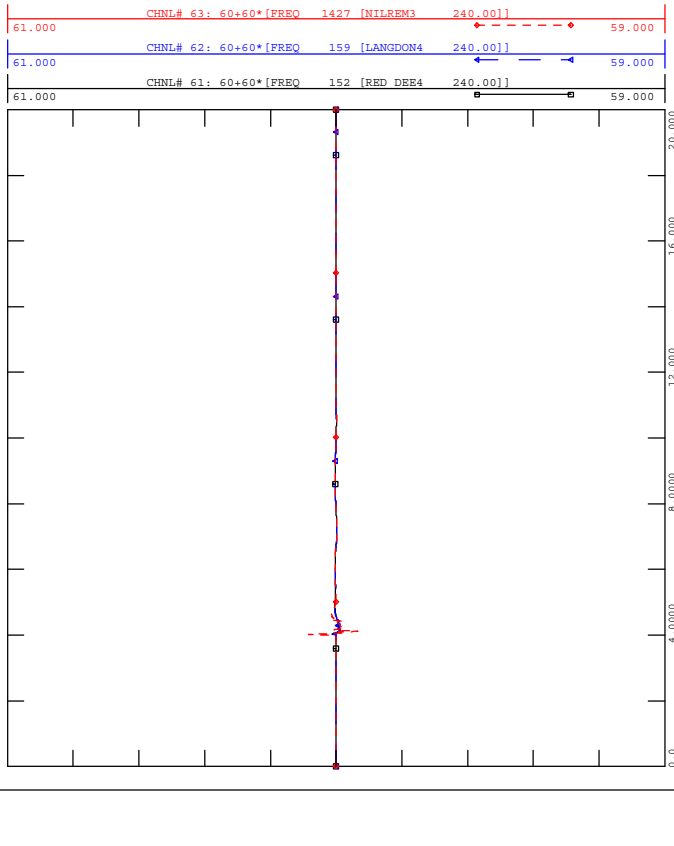


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L117+7L53

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117+7L53.out

MON, NOV 28 2016 22:39

FREQUENCY



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L117+7L53

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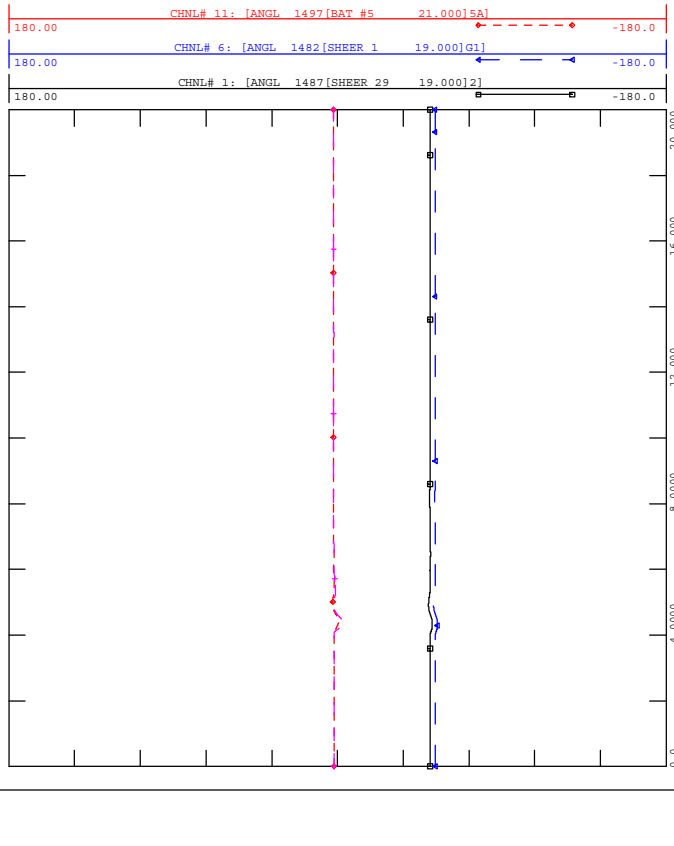
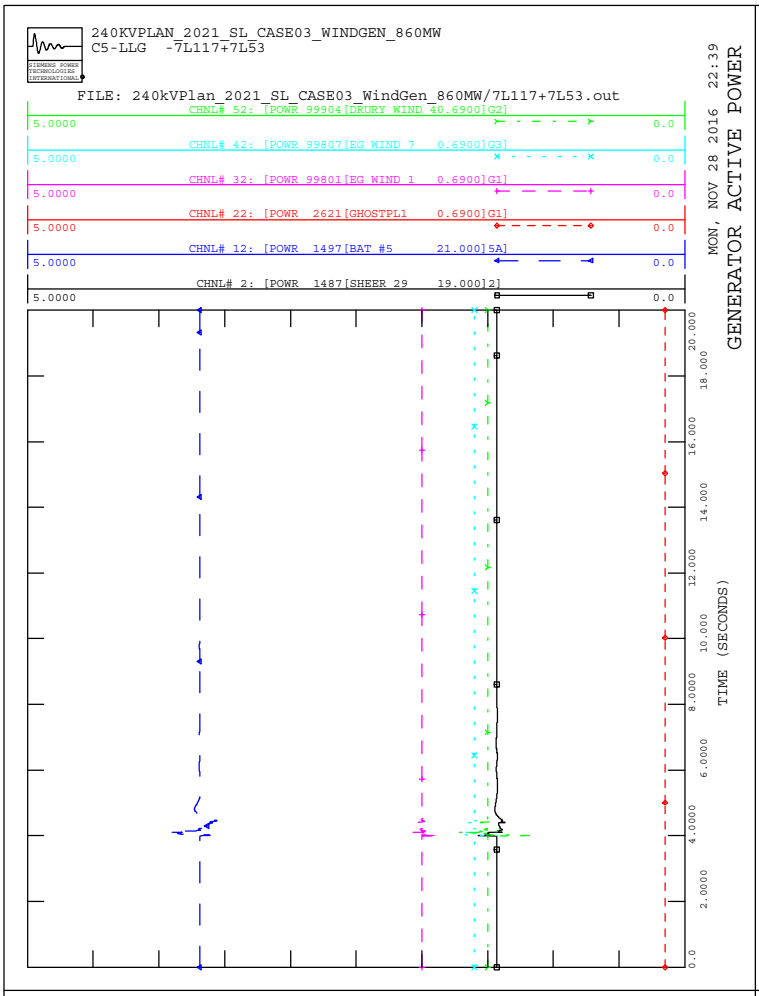
MON, NOV 28 2016 22:39

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L117+7L53
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117+7L53.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
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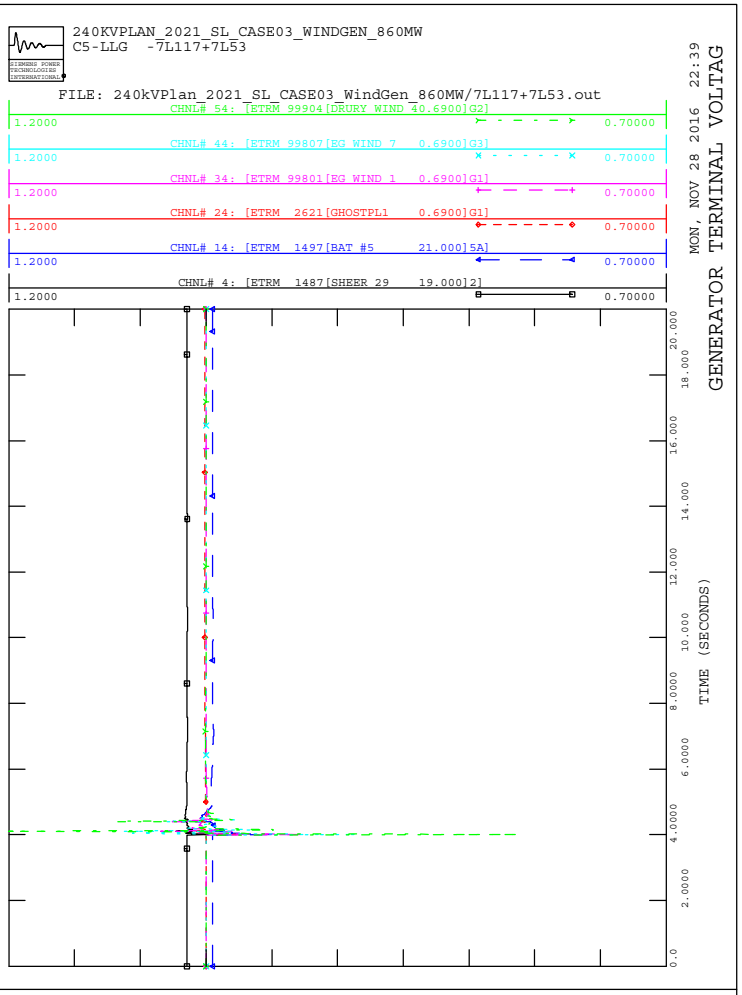
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L117+7L53
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117+7L53.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
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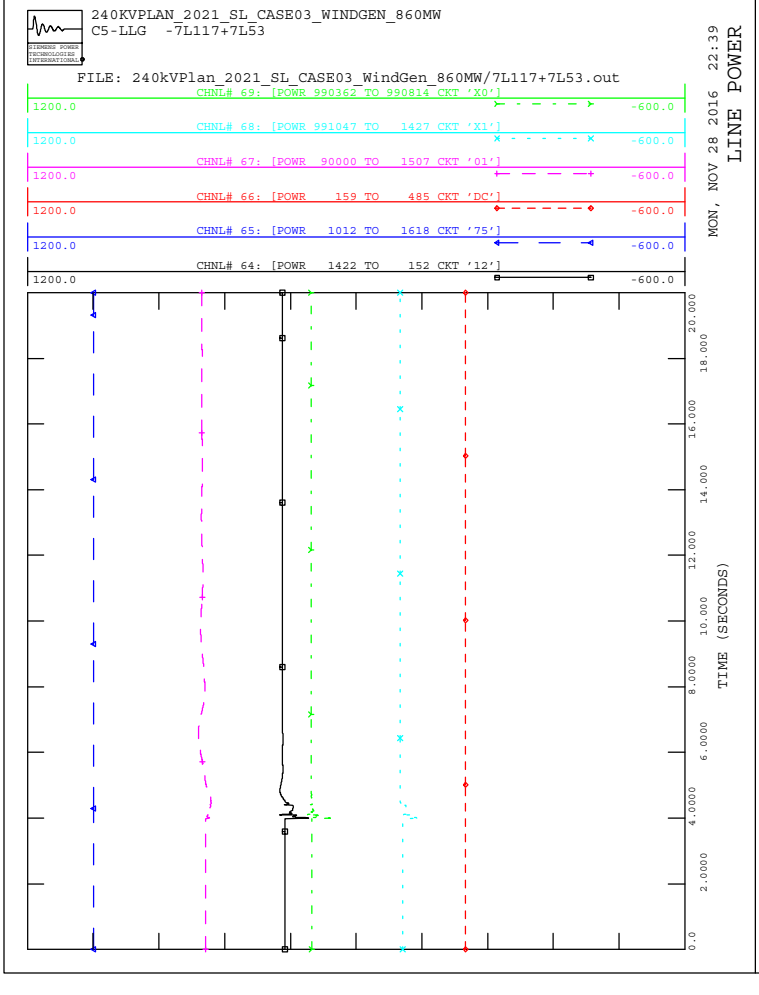
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L117+7L53
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117+7L53.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:39
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
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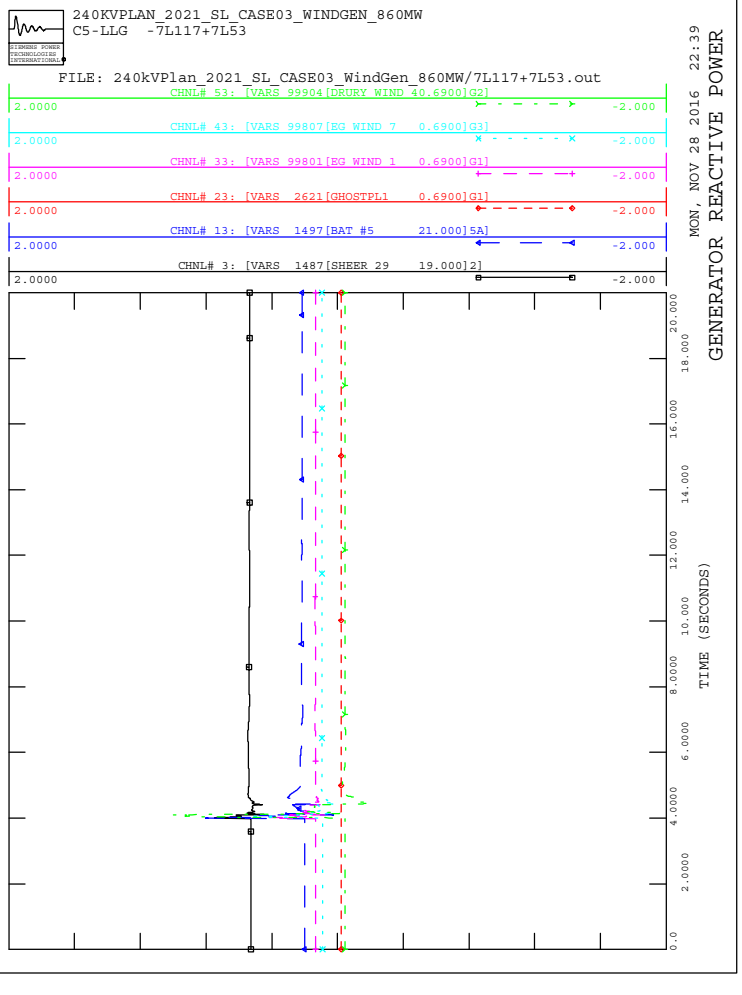
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L117+7L53
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117+7L53.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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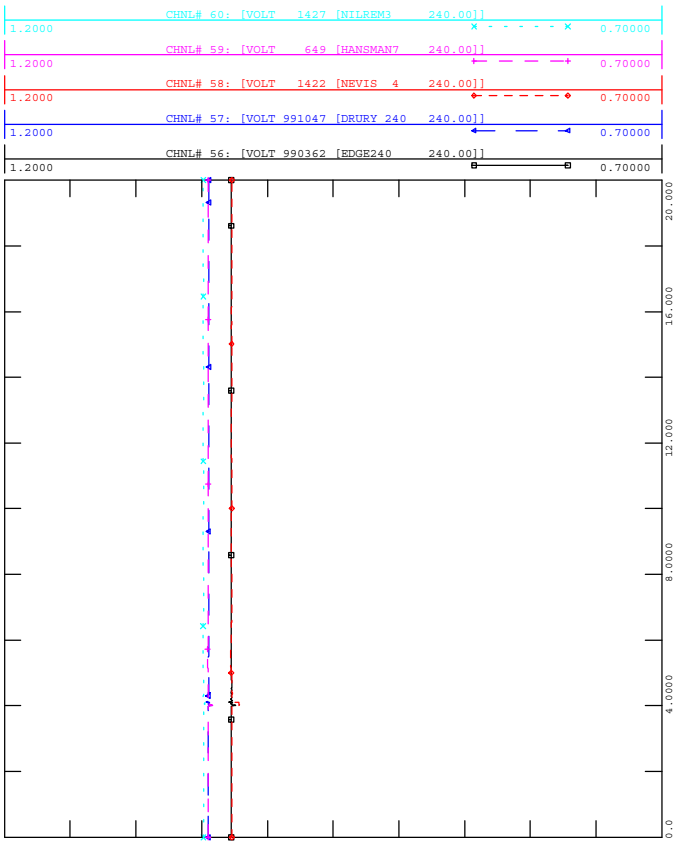
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L53+7L70

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L53+7L70.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

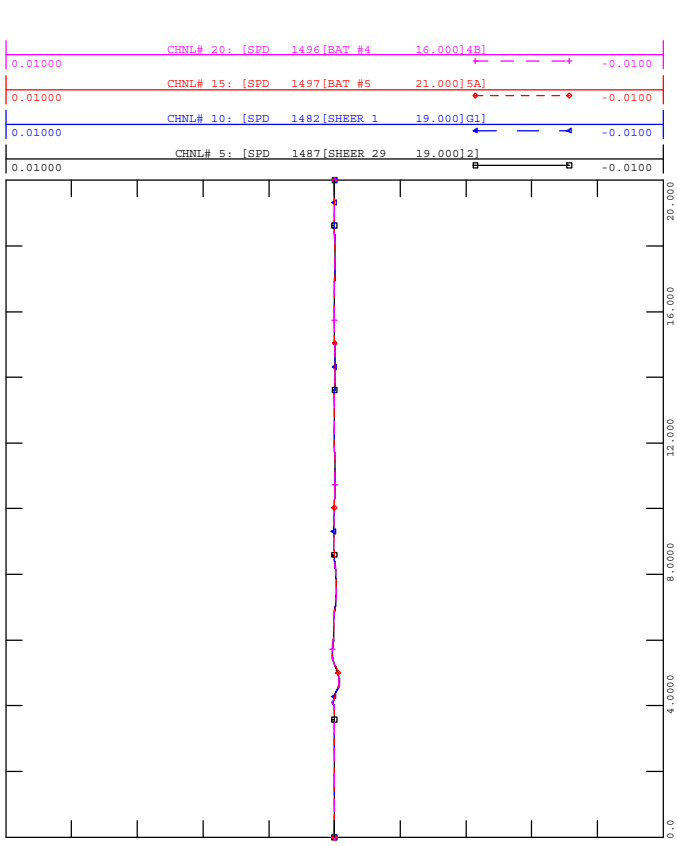


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L53+7L70

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L53+7L70.out

MON, NOV 28 2016 22:39

MACHINE SPEED

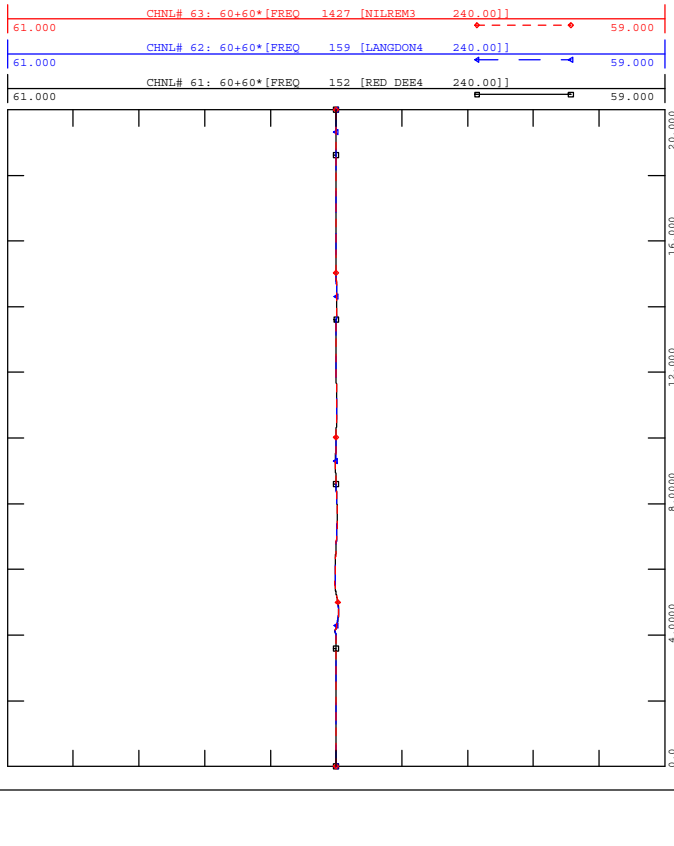


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L53+7L70

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L53+7L70.out

MON, NOV 28 2016 22:39

FREQUENCY

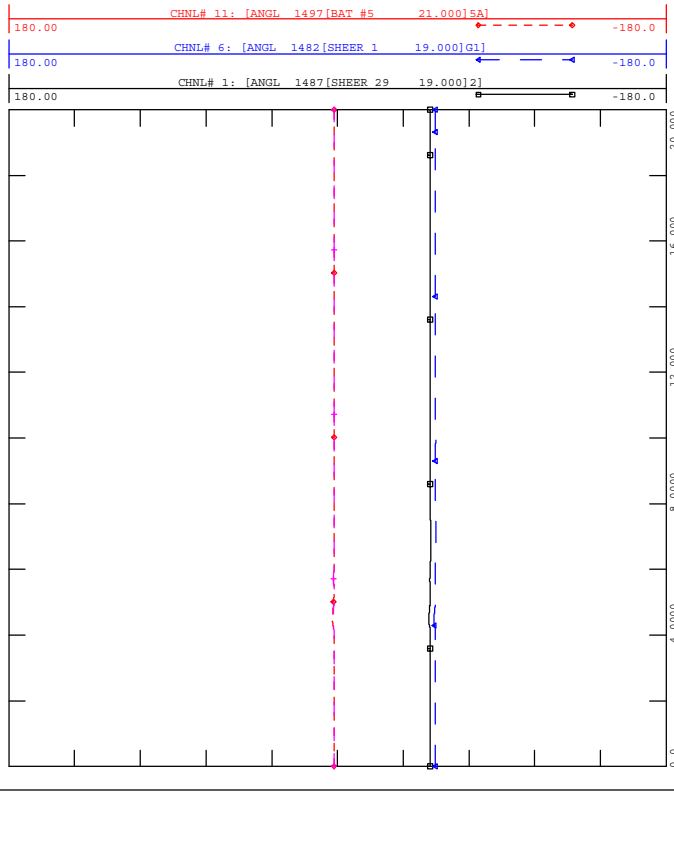


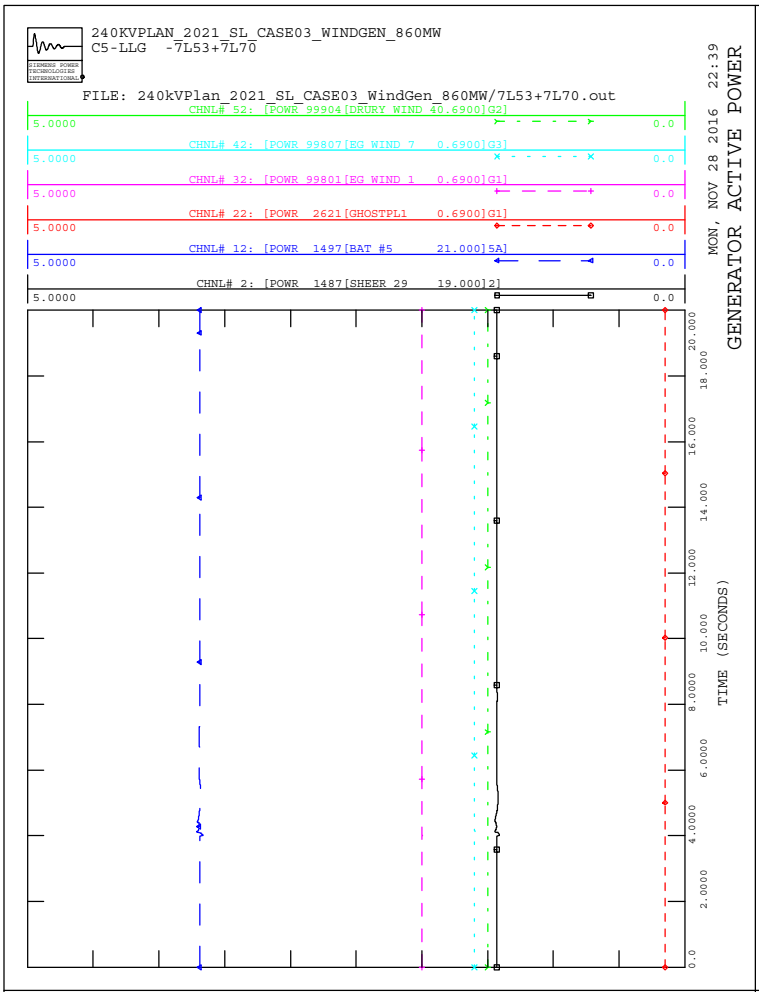
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L53+7L70

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L53+7L70.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L53+7L70
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L53+7L70.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0
2.0000
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6.0000
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10.000
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14.000
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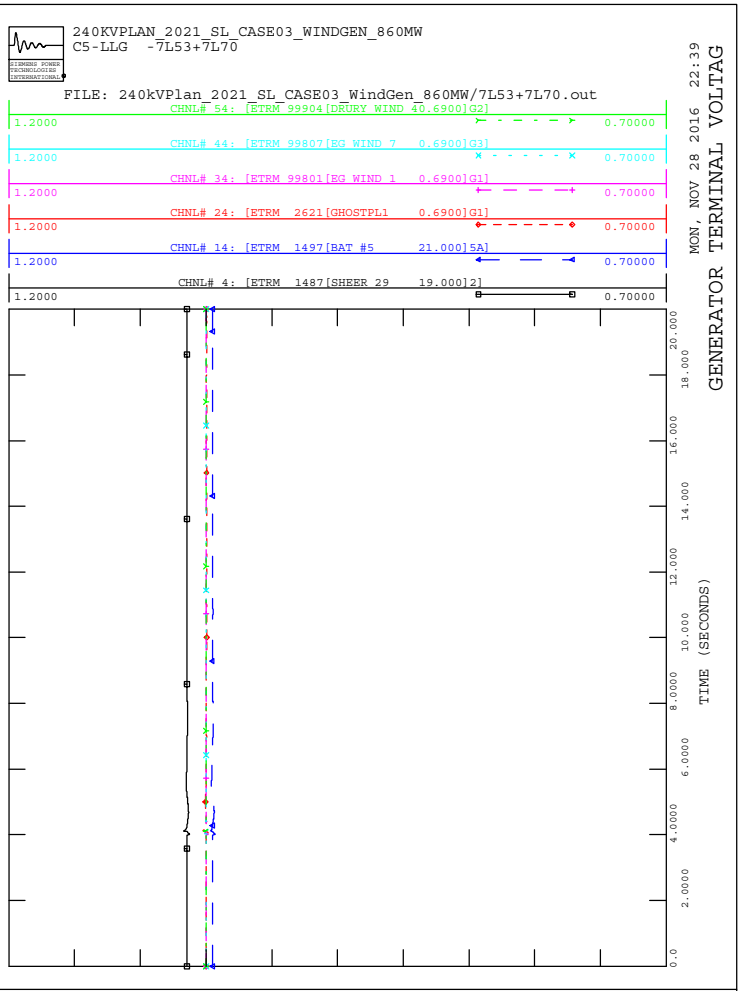
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L53+7L70
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L53+7L70.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0
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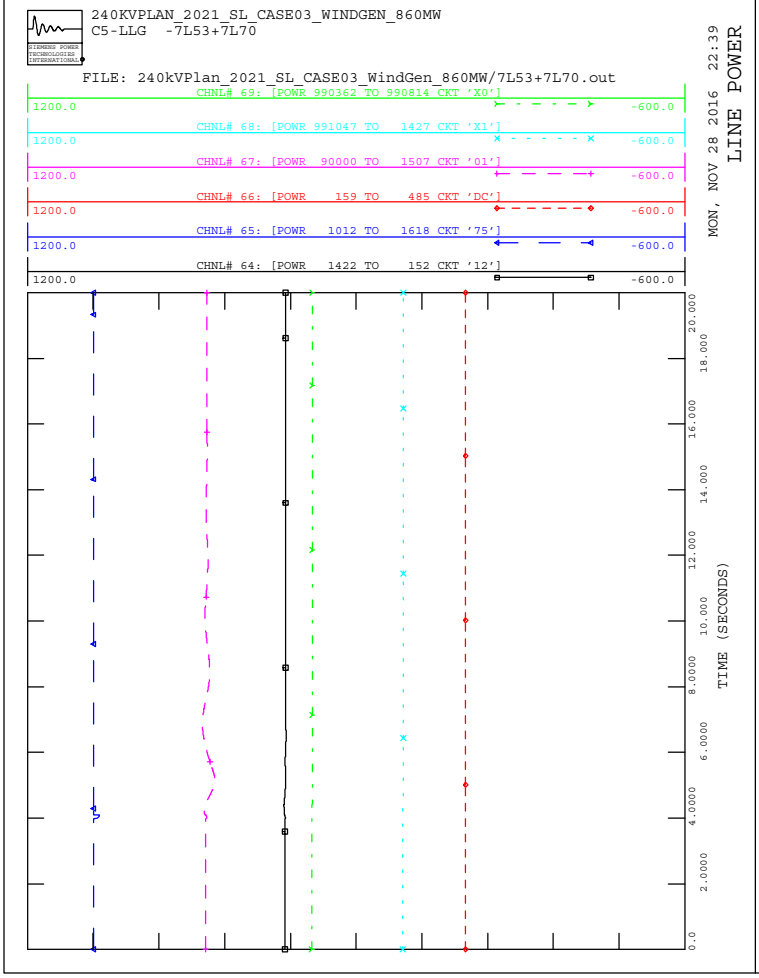
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L53+7L70
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L53+7L70.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
2.0000
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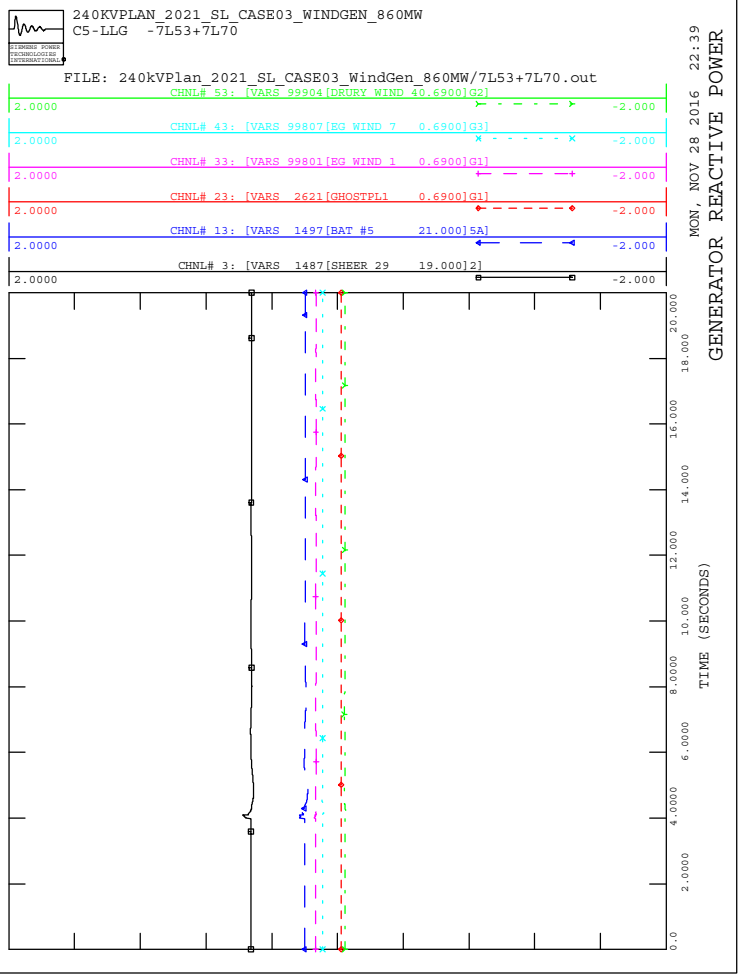
TIME (SECONDS)
MON, NOV 28 2016 22:39
LINE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L53+7L70
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L53+7L70.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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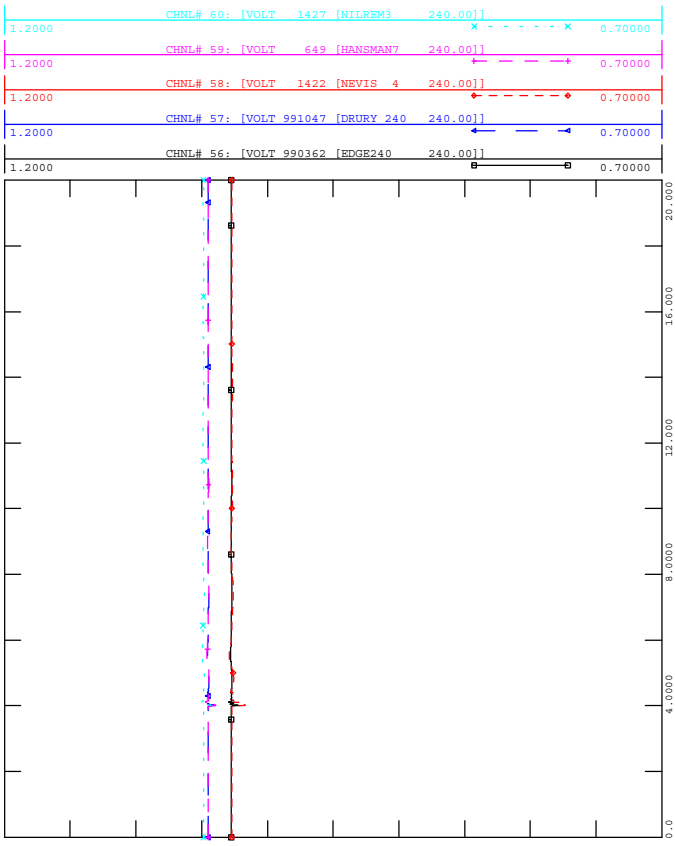
TIME (SECONDS)
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L66

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L66.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

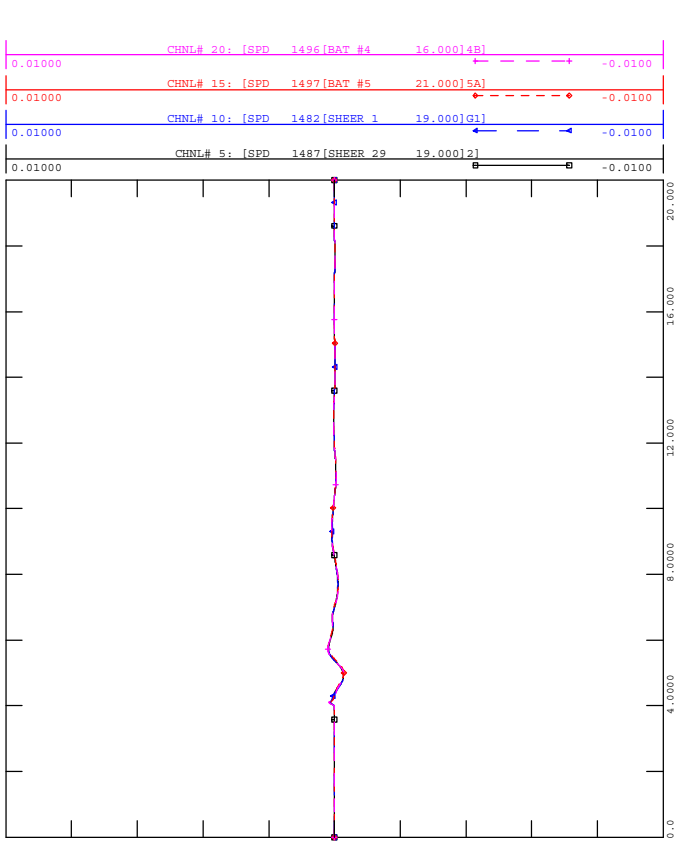


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L66

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L66.out

MON, NOV 28 2016 22:39

MACHINE SPEED

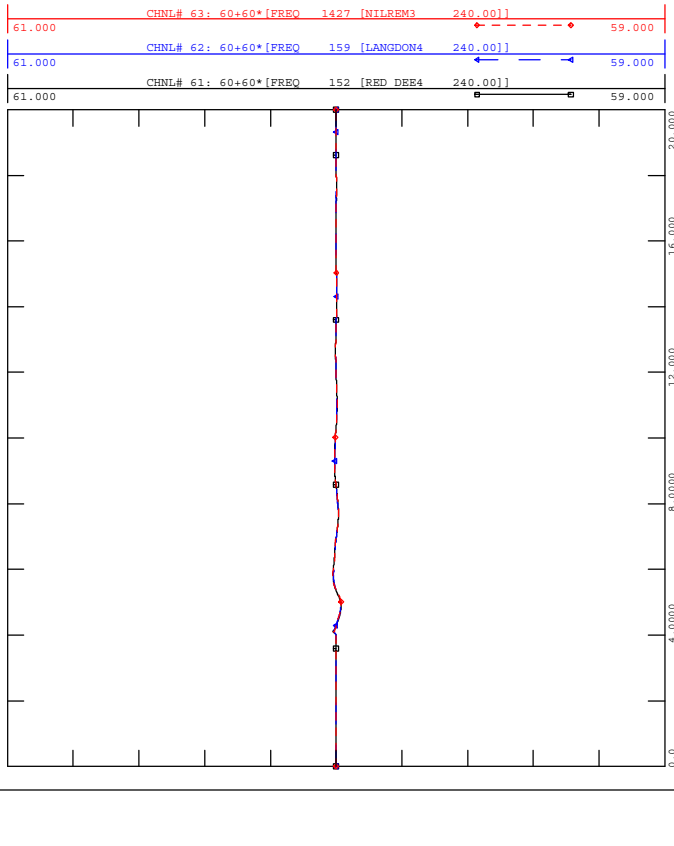


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L66

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L66.out

MON, NOV 28 2016 22:39

FREQUENCY

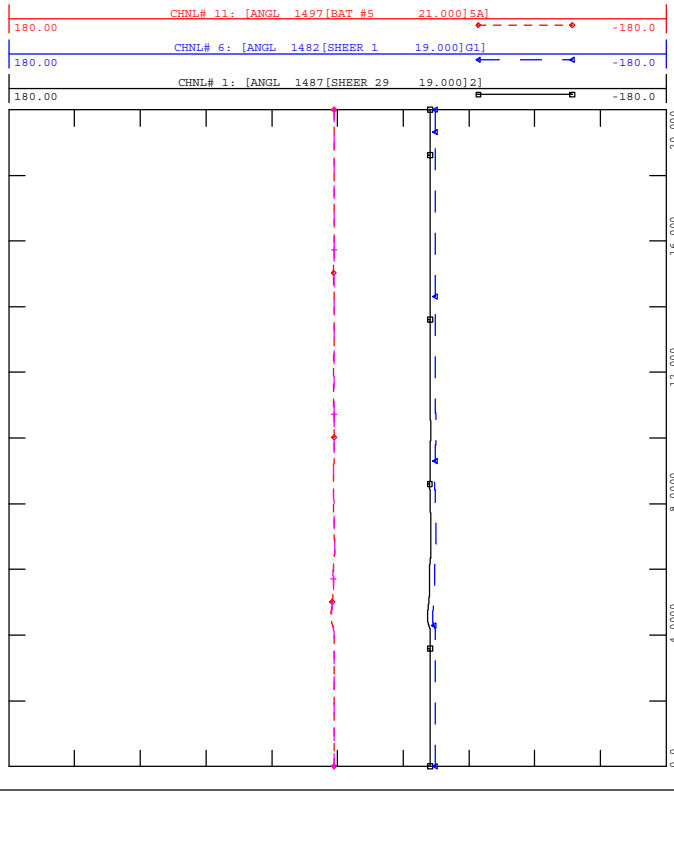


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L66

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L66.out

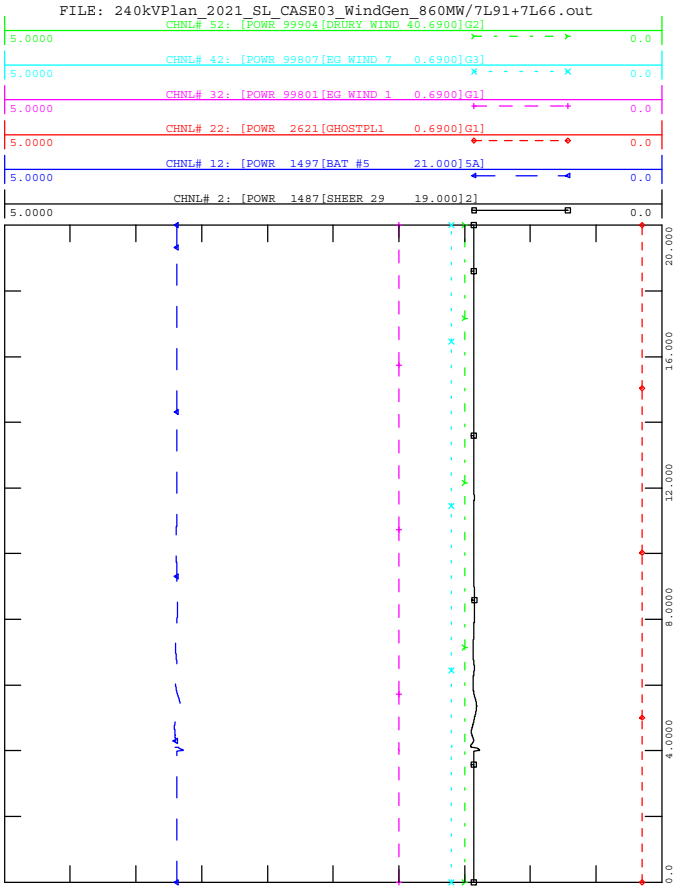
MON, NOV 28 2016 22:39

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L66

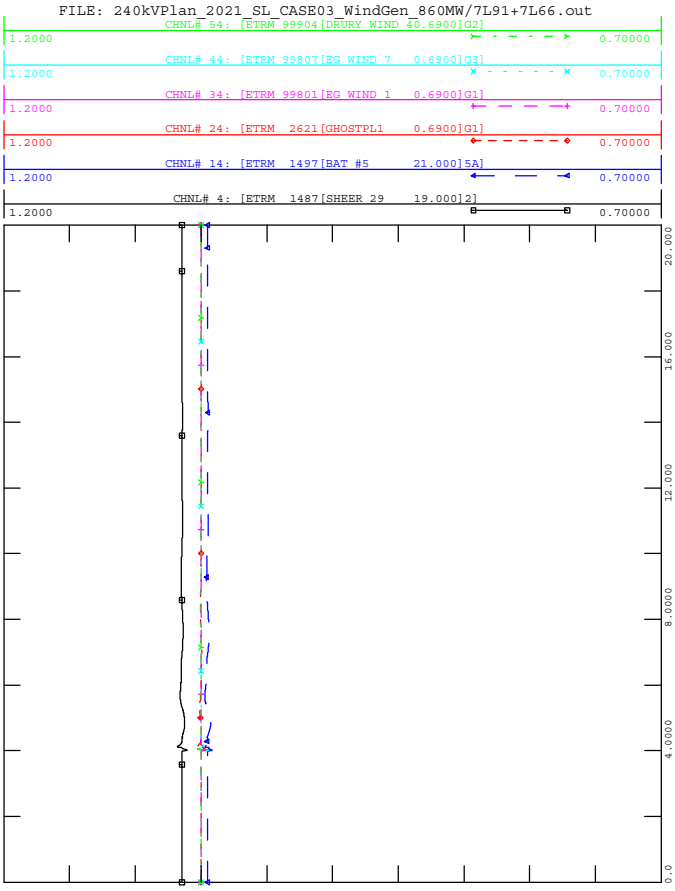
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L66.out



MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L66

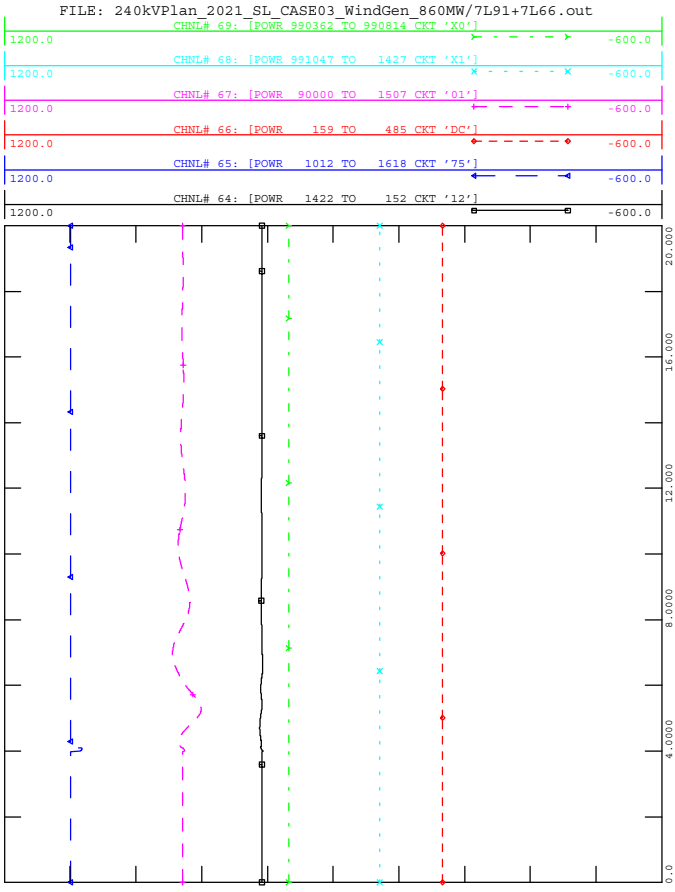
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L66.out



MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L66

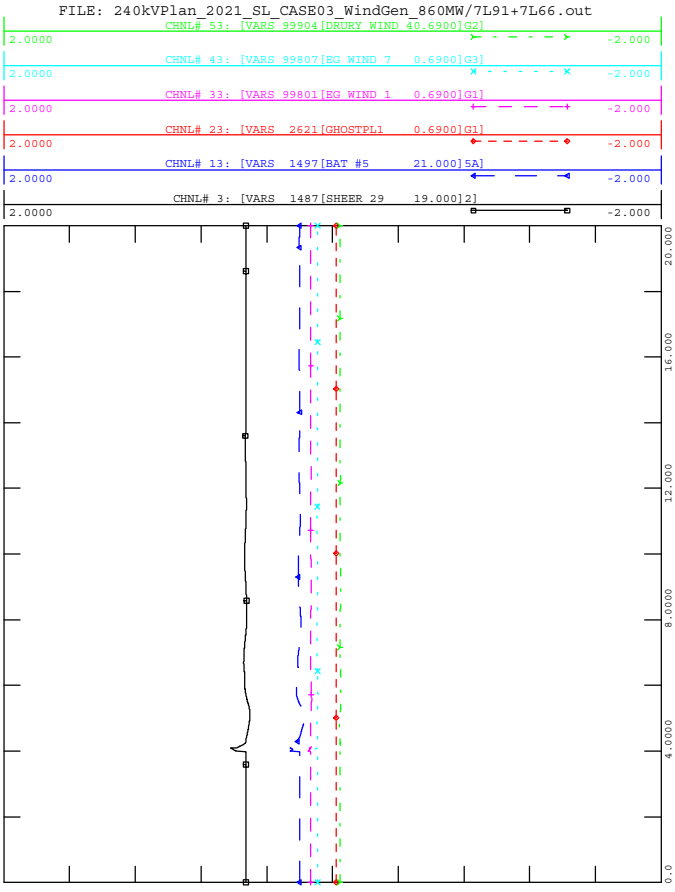
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L66.out



MON, NOV 28 2016 22:39
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L66

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L66.out



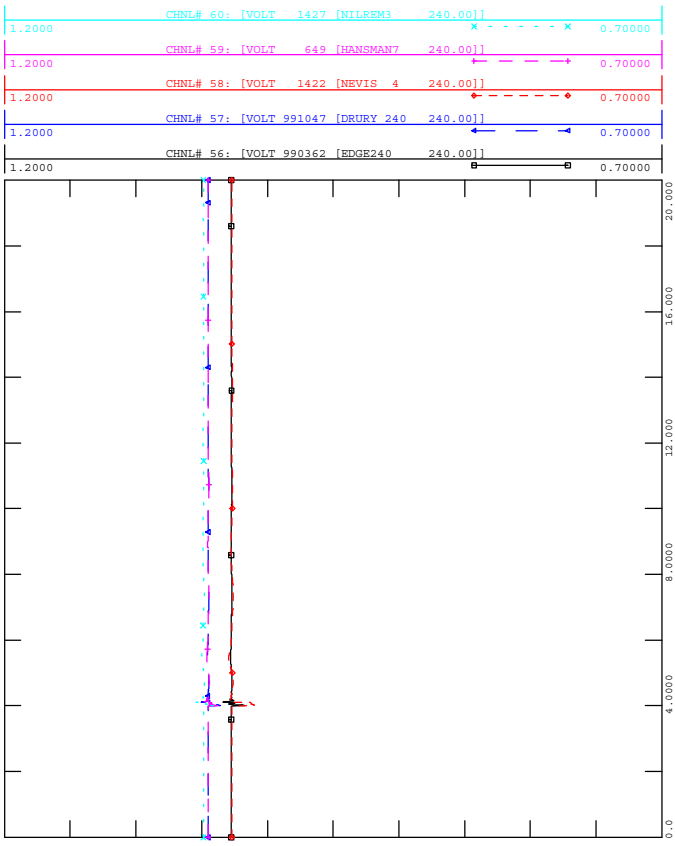
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L89

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L89.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

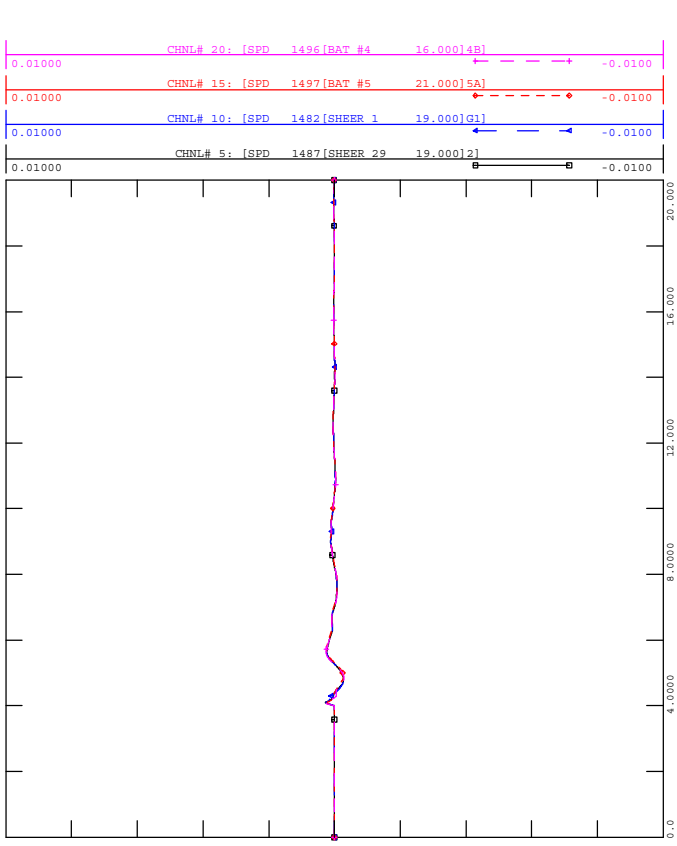


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L89

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L89.out

MON, NOV 28 2016 22:39

MACHINE SPEED

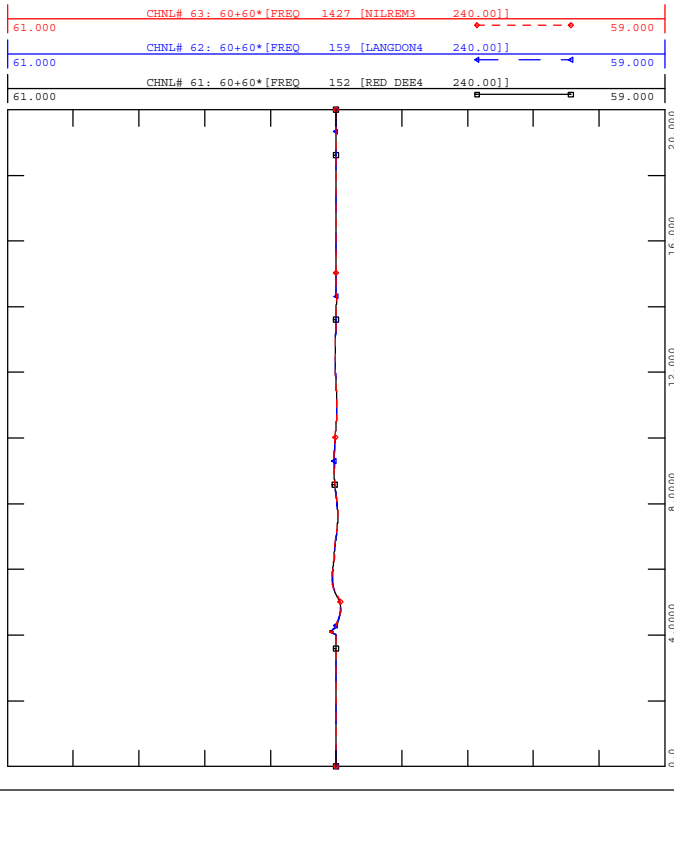


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L89

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L89.out

MON, NOV 28 2016 22:39

FREQUENCY



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L89

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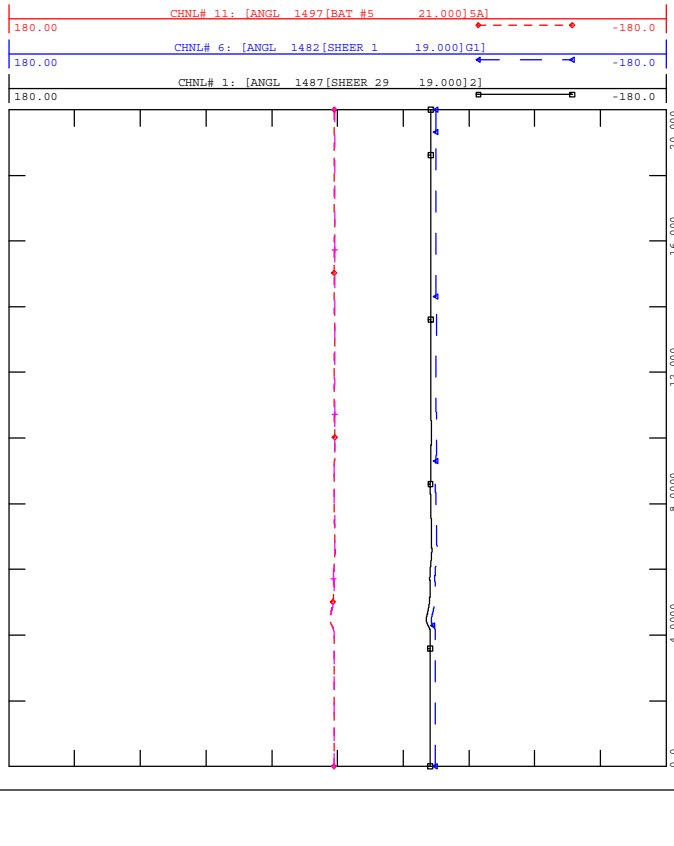
MON, NOV 28 2016 22:39

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L89

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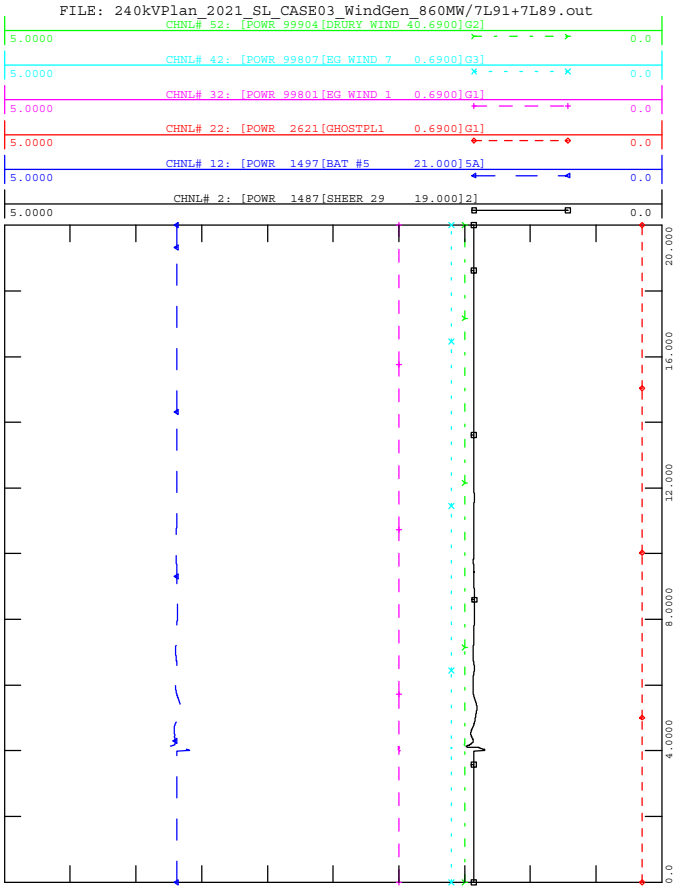
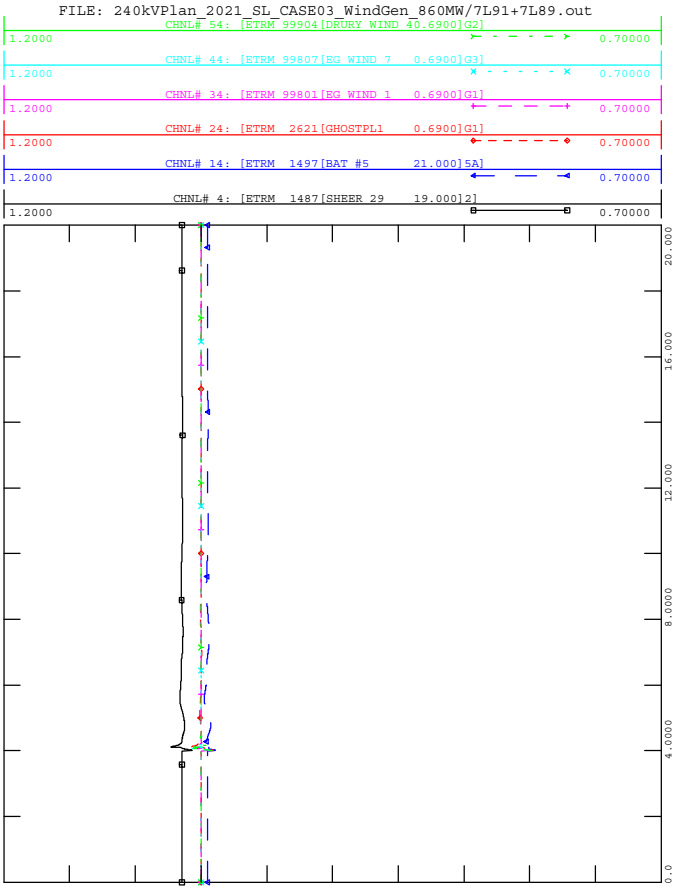


MON, NOV 28 2016 22:39

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L89

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L89.out

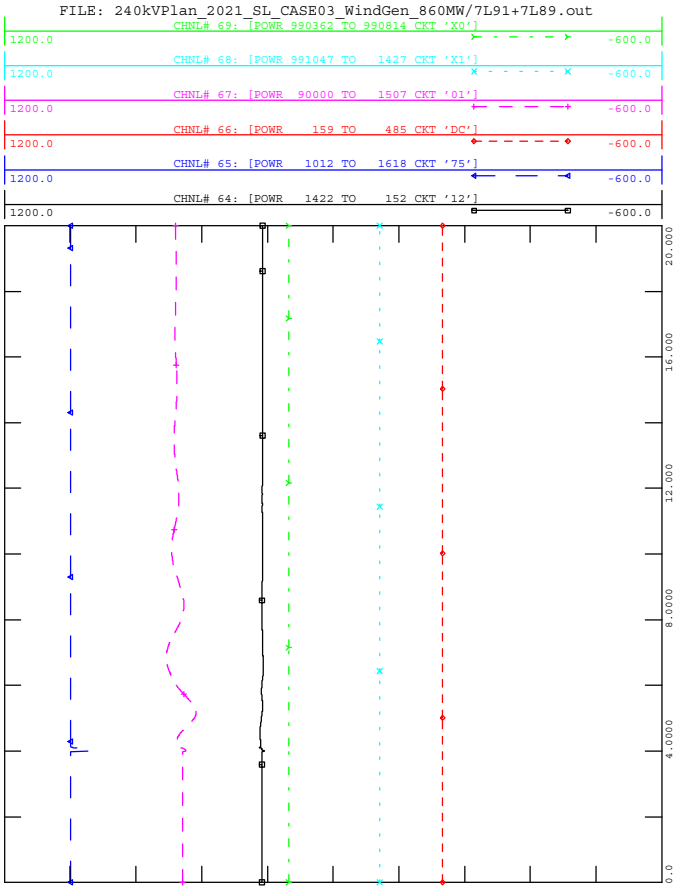


MON, NOV 28 2016 22:39

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L89

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L89.out

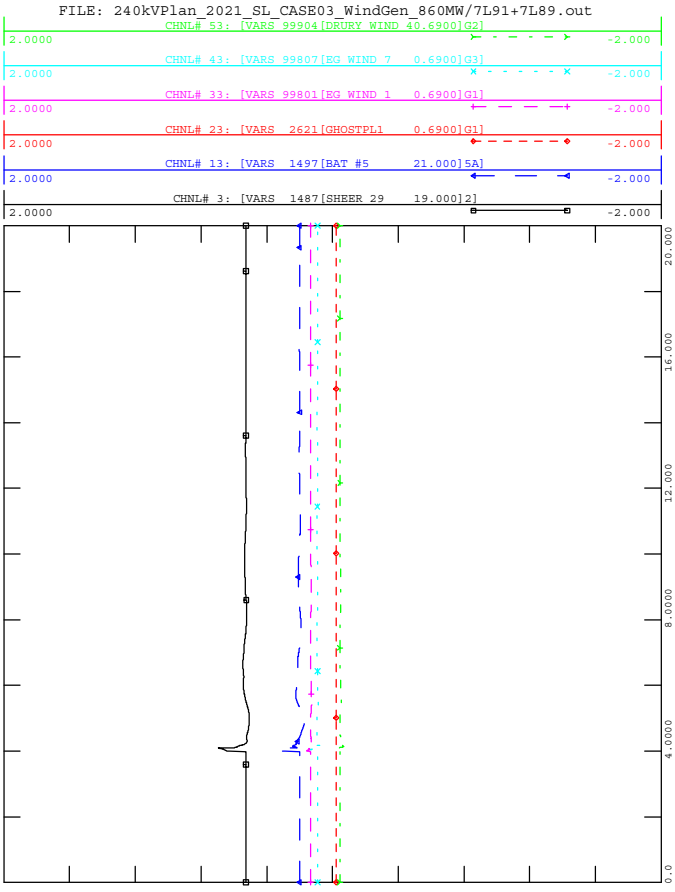


MON, NOV 28 2016 22:39

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L91+7L89

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L91+7L89.out



MON, NOV 28 2016 22:39

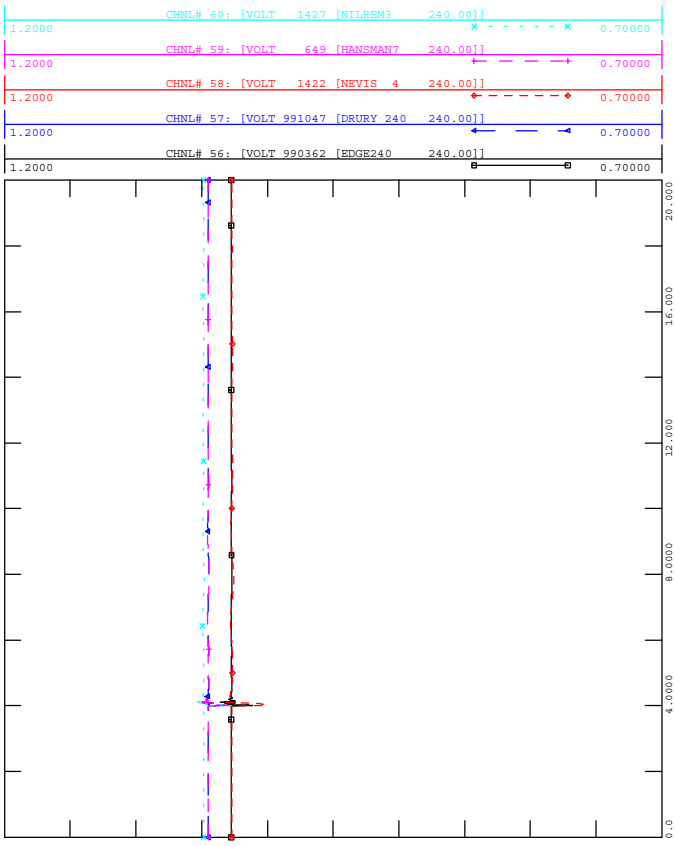
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L36+9L37

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36+9L37.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

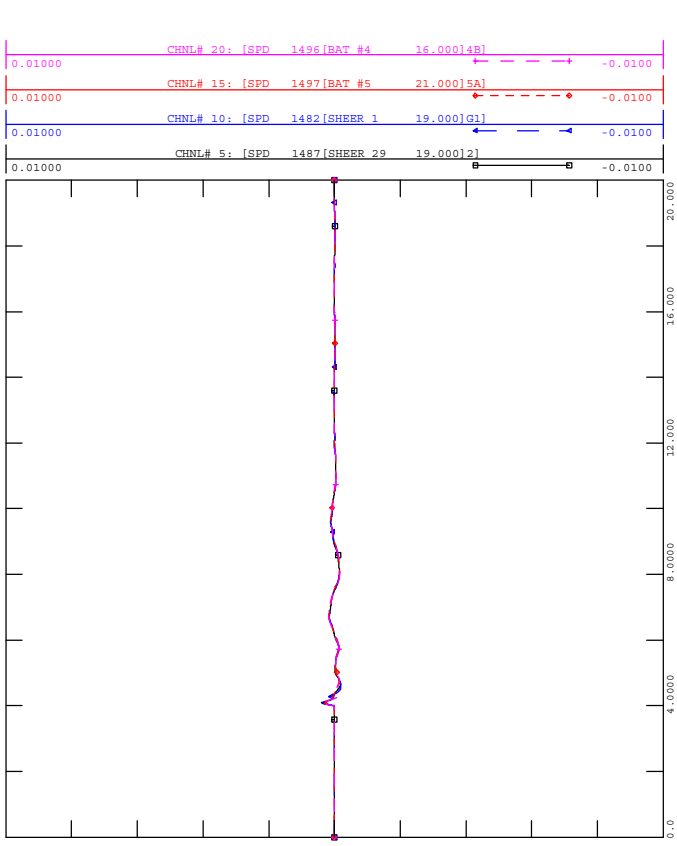


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L36+9L37

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36+9L37.out

MON, NOV 28 2016 22:39

MACHINE SPEED

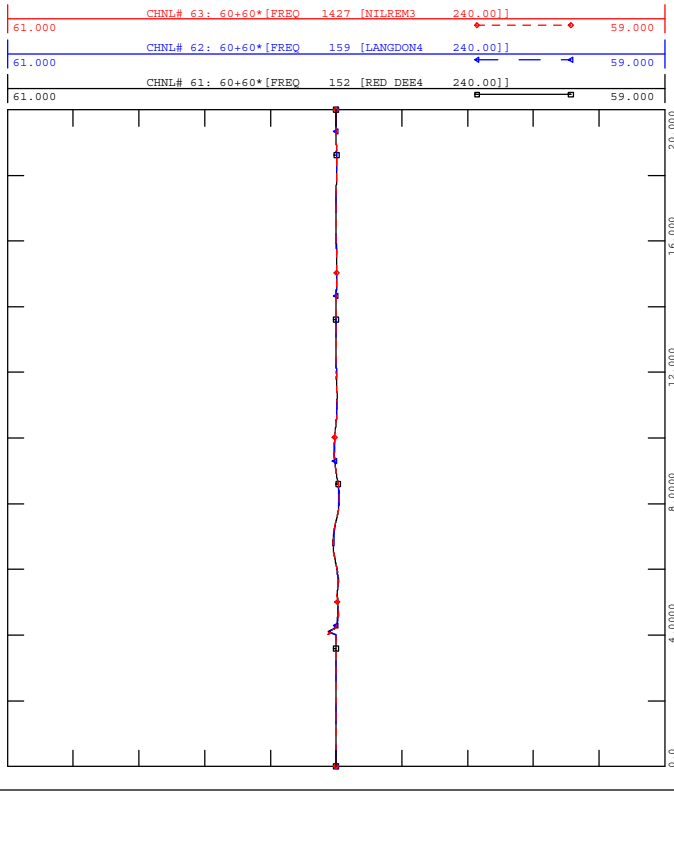


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L36+9L37

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36+9L37.out

MON, NOV 28 2016 22:39

FREQUENCY

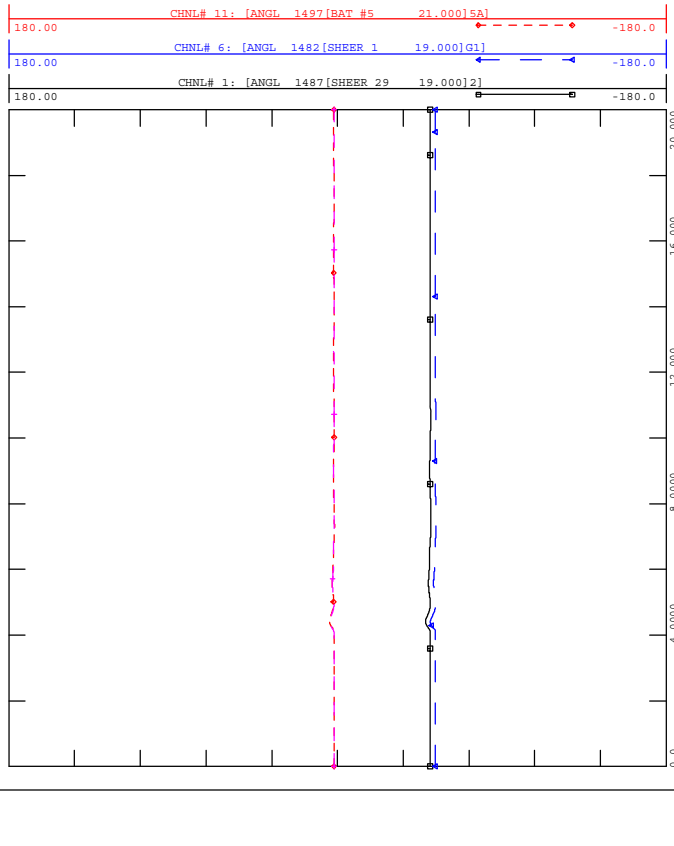


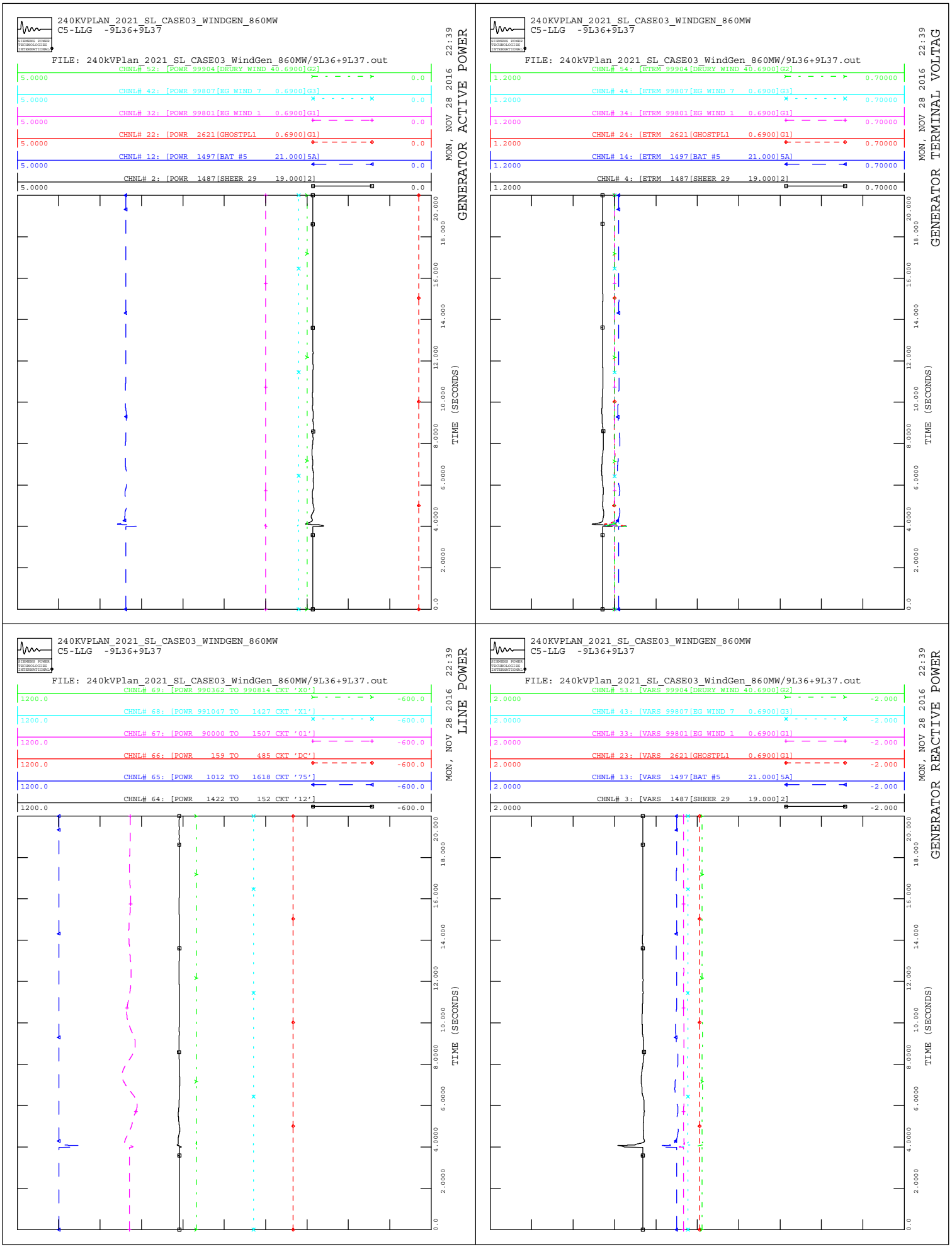
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L36+9L37

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36+9L37.out

MON, NOV 28 2016 22:39

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L36+9L37
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36+9L37.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER
TIME (SECONDS)
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L36+9L37
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36+9L37.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L36+9L37
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36+9L37.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
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CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:39
LINE POWER
TIME (SECONDS)
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L36+9L37
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36+9L37.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER
TIME (SECONDS)
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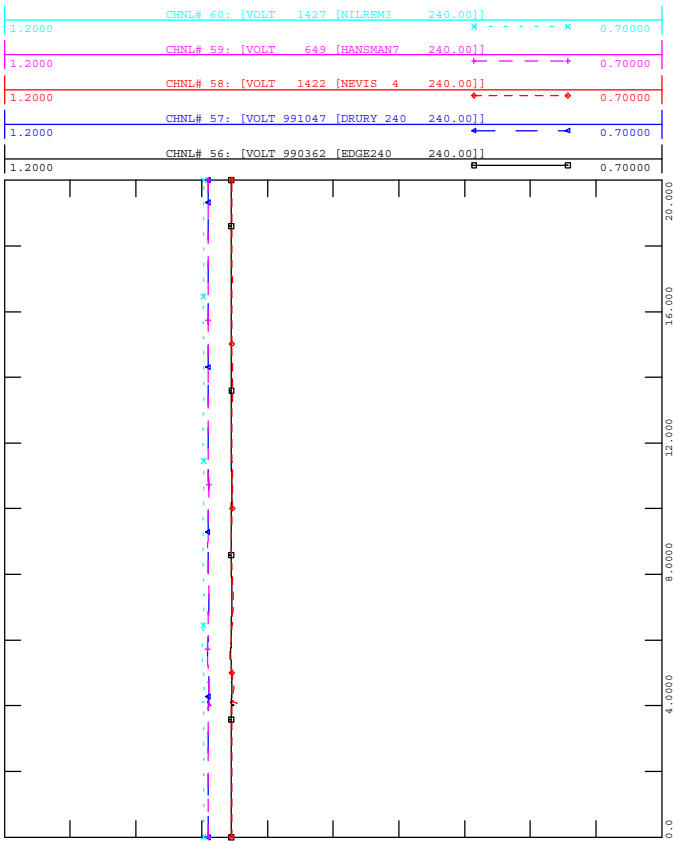
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L139+7L70

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L139+7L70.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

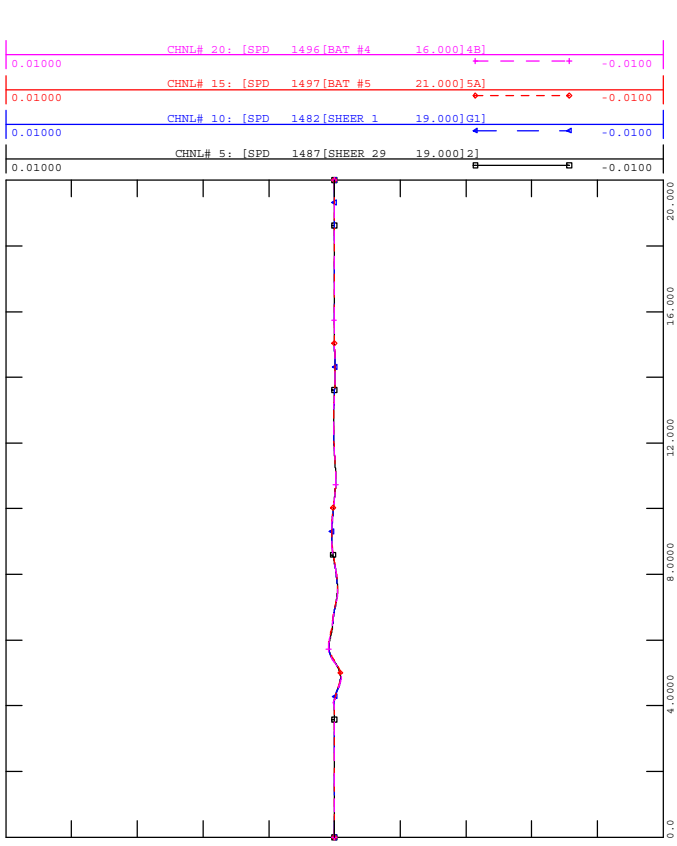


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L139+7L70

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L139+7L70.out

MON, NOV 28 2016 22:39

MACHINE SPEED

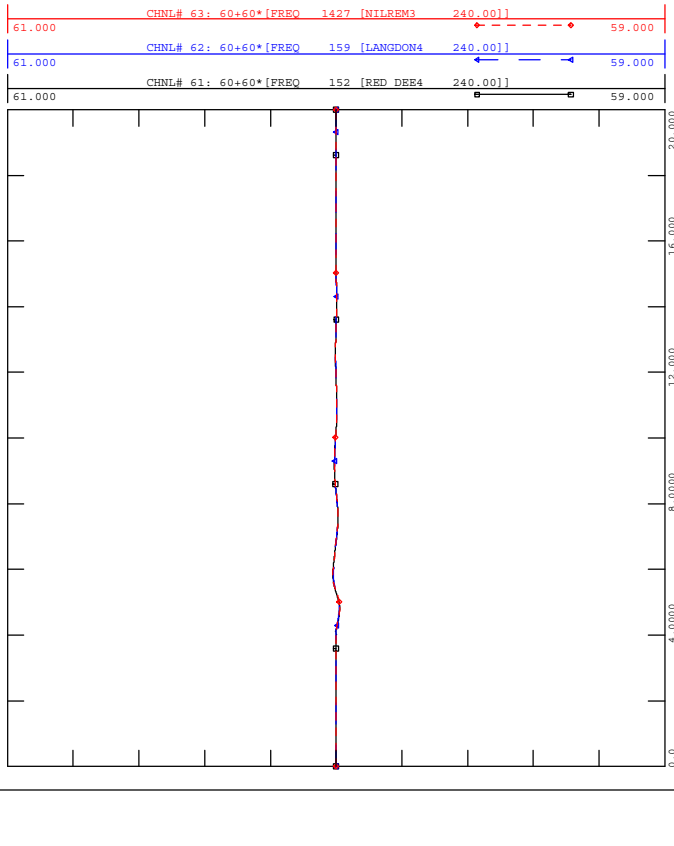


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L139+7L70

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L139+7L70.out

MON, NOV 28 2016 22:39

FREQUENCY

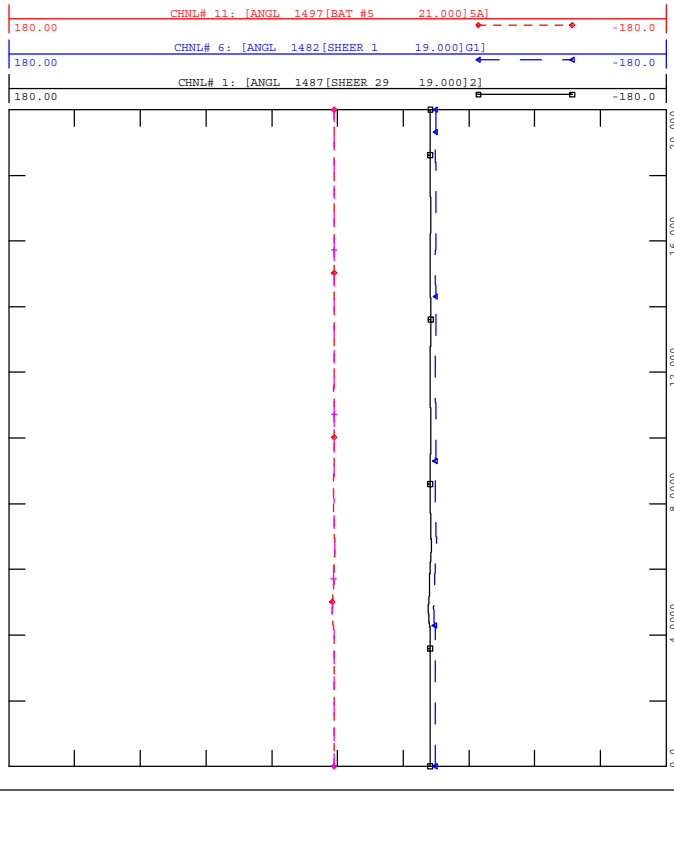


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L139+7L70

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L139+7L70.out

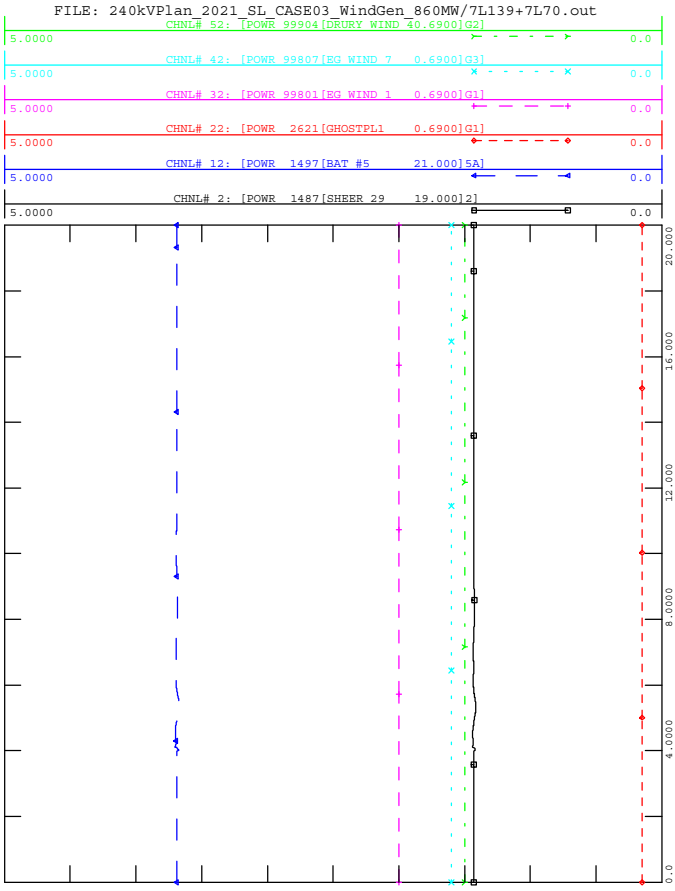
MON, NOV 28 2016 22:39

MACHINE ANGEL



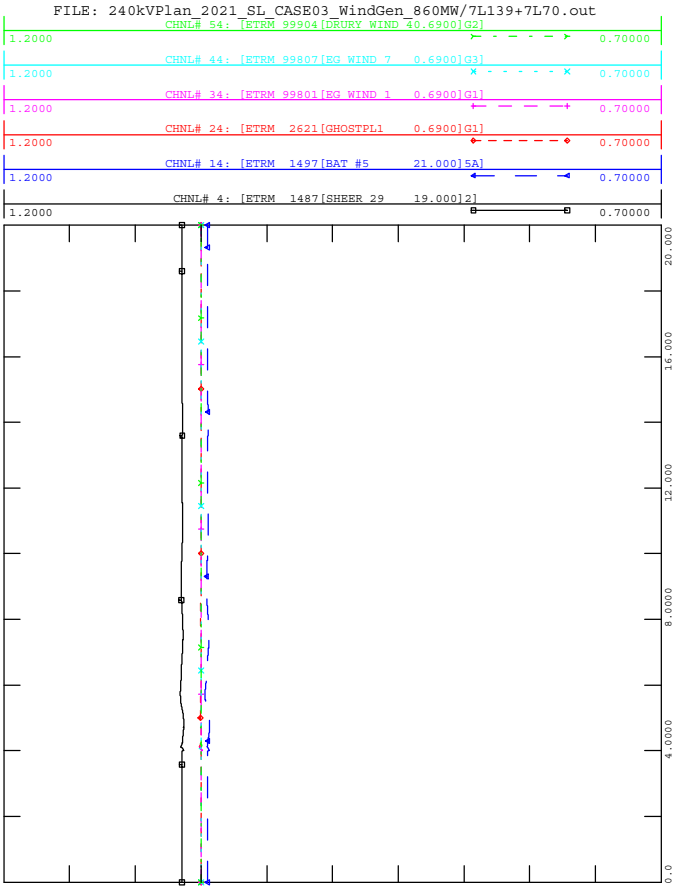
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L139+7L70

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L139+7L70.out



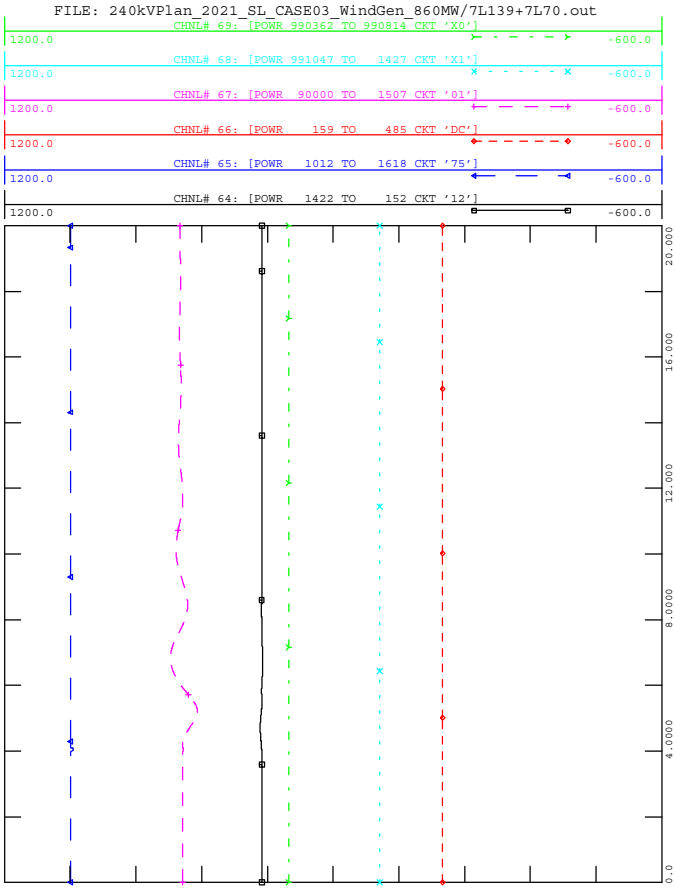
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L139+7L70

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L139+7L70.out



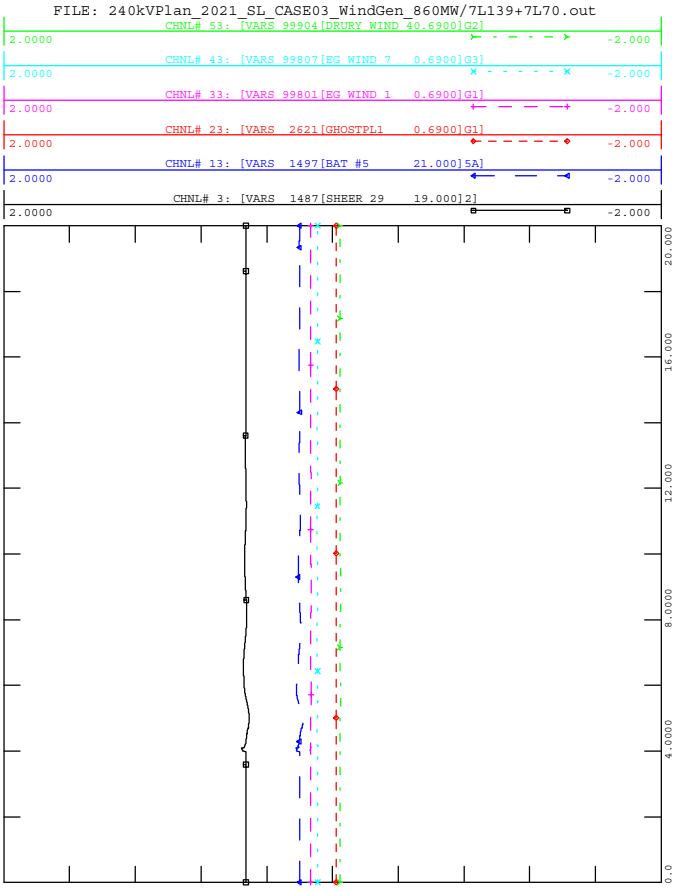
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L139+7L70

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L139+7L70.out



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L139+7L70

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L139+7L70.out

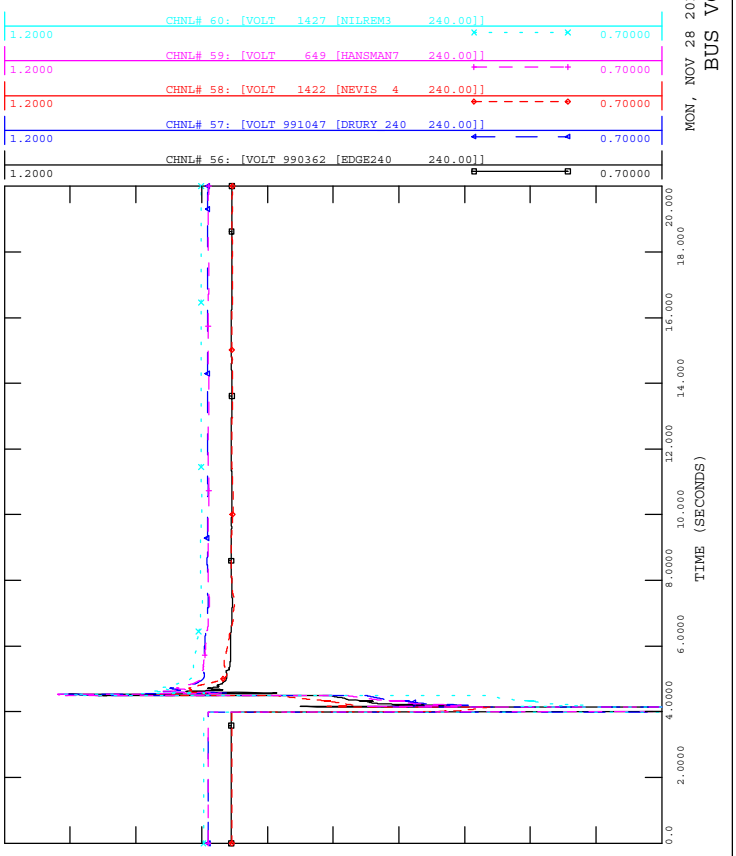


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -679L+680L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/679L+680L.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

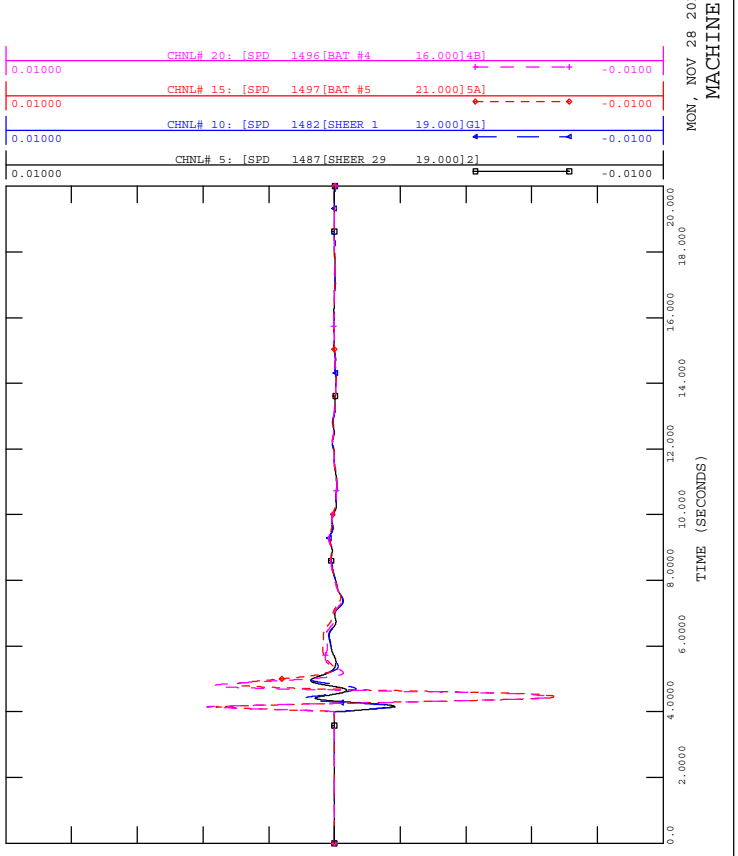


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -679L+680L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/679L+680L.out

MON, NOV 28 2016 22:39

MACHINE SPEED

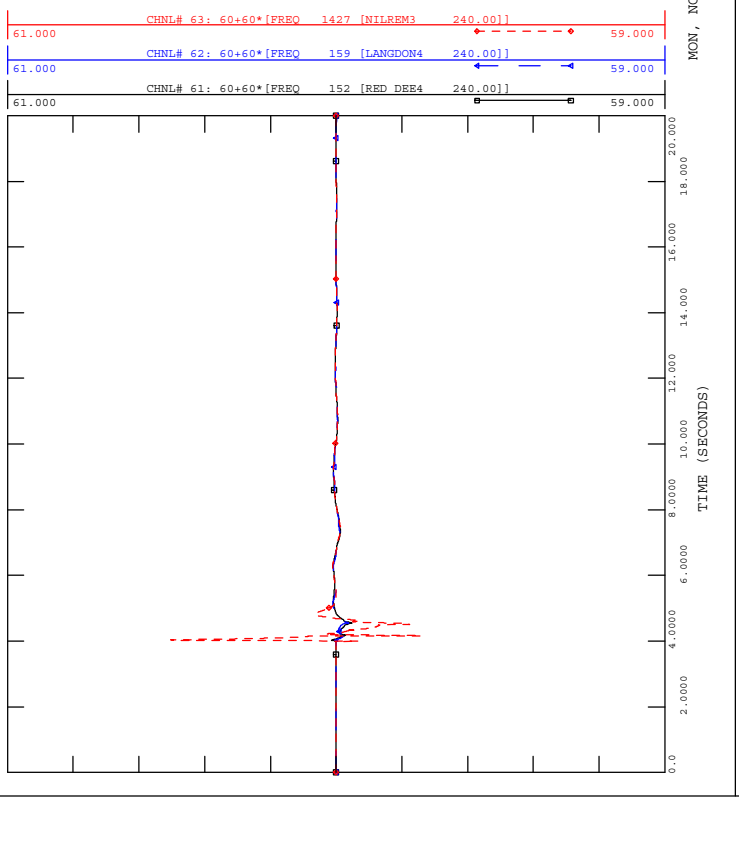


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -679L+680L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/679L+680L.out

MON, NOV 28 2016 22:39

FREQUENCY

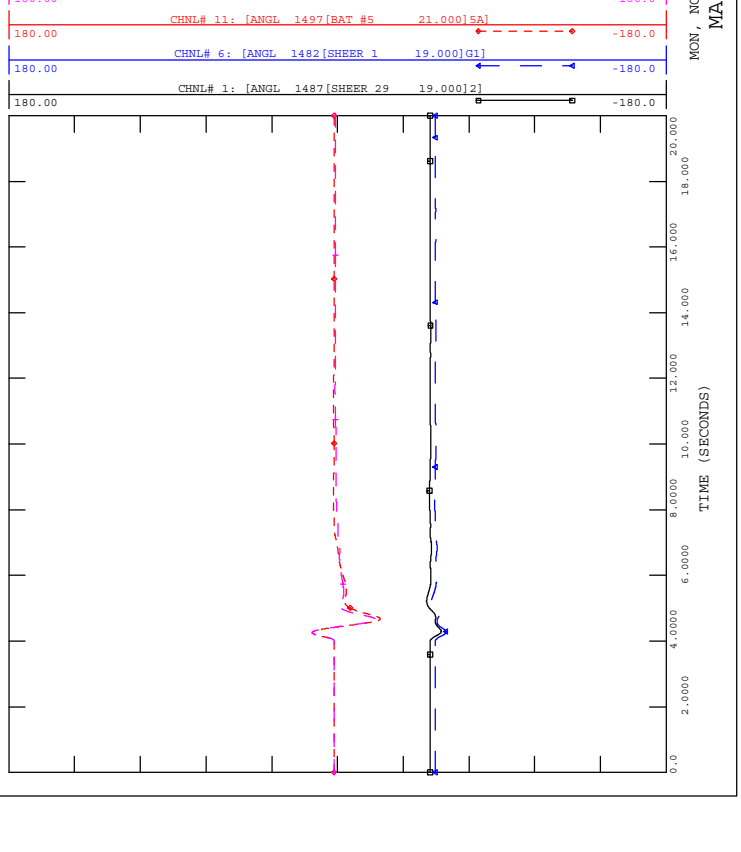


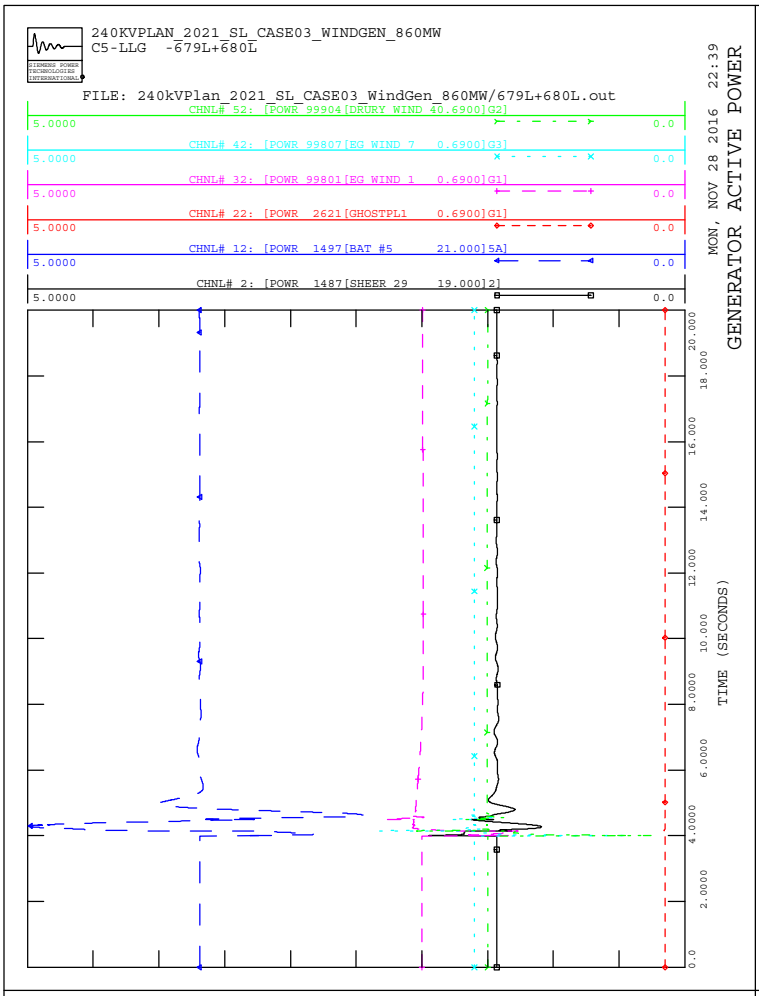
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -679L+680L

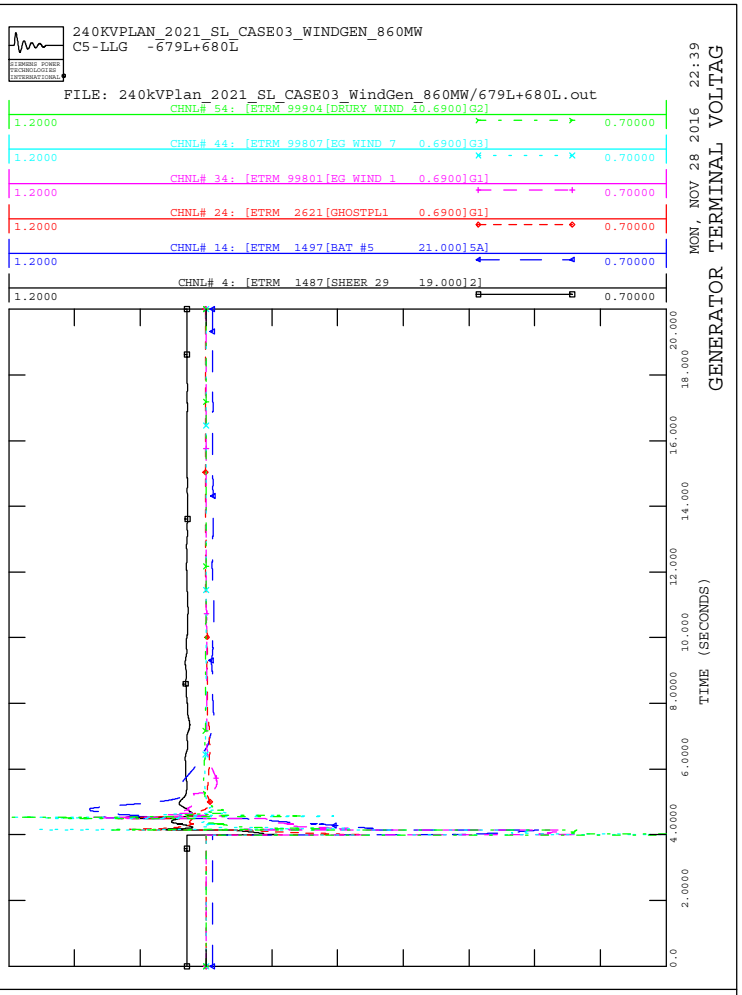
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/679L+680L.out

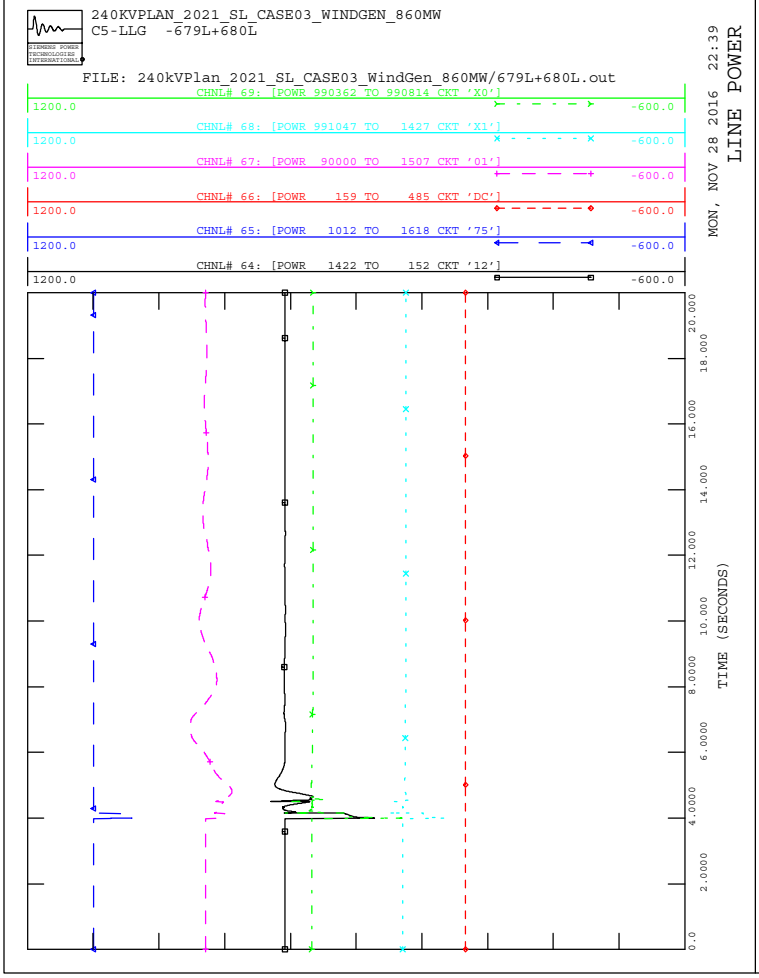
MON, NOV 28 2016 22:39

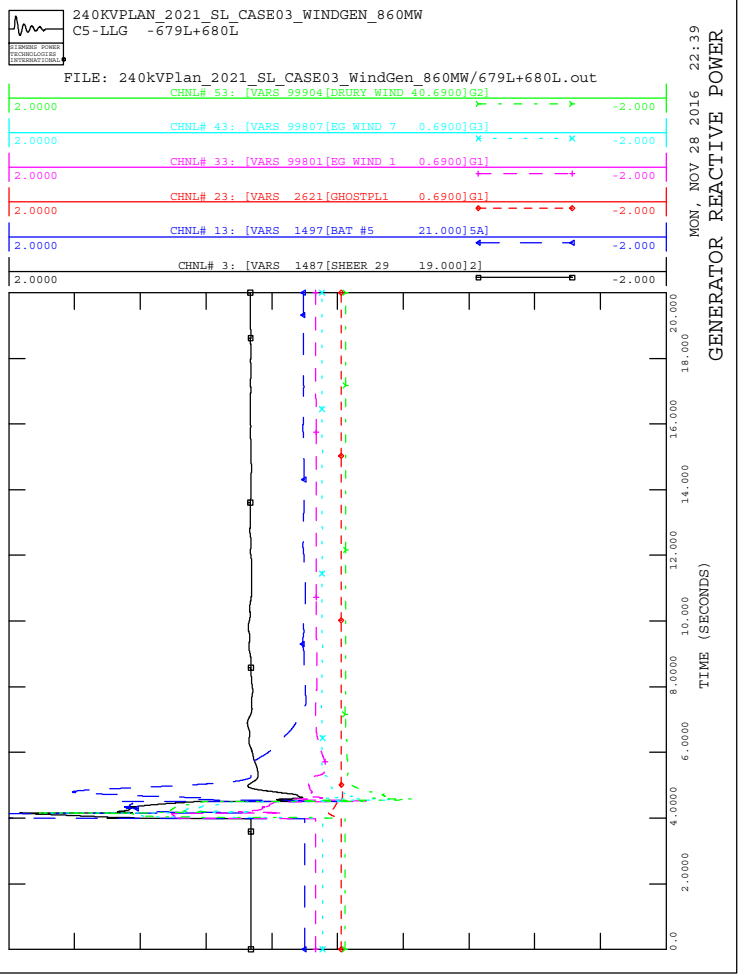
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -679L+680L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/679L+680L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:39
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -679L+680L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/679L+680L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:39
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -679L+680L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/679L+680L.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:39
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

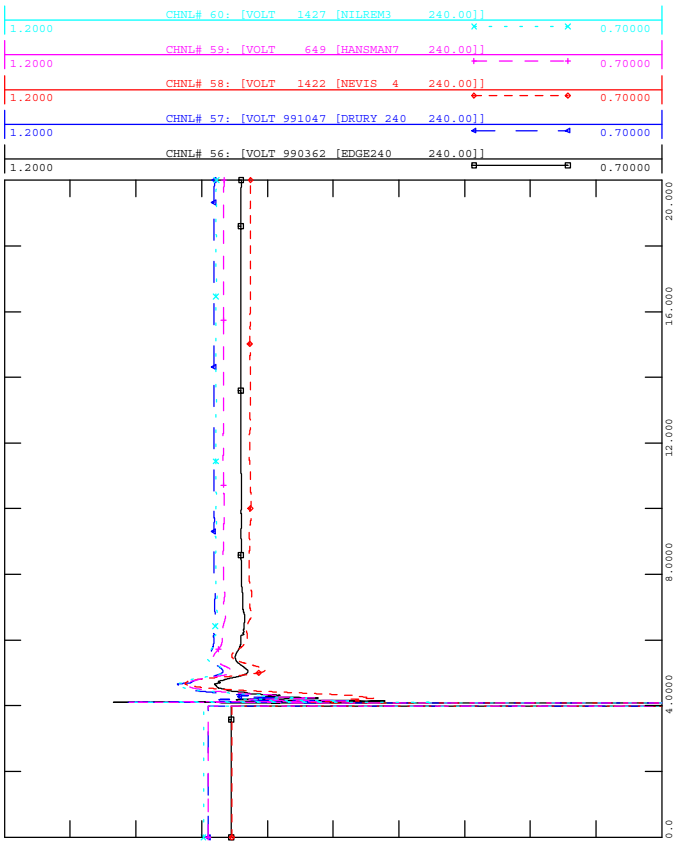

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -679L+680L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/679L+680L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:39
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L16+9L953

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16+9L953.out

MON, NOV 28 2016 22:39

BUS VOLTAGE

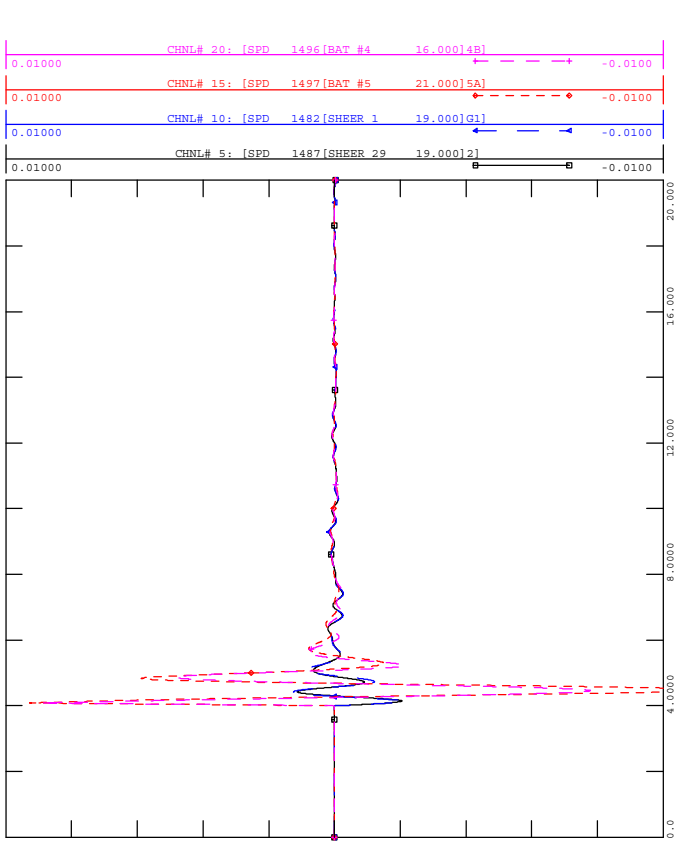


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L16+9L953

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16+9L953.out

MON, NOV 28 2016 22:40

MACHINE SPEED

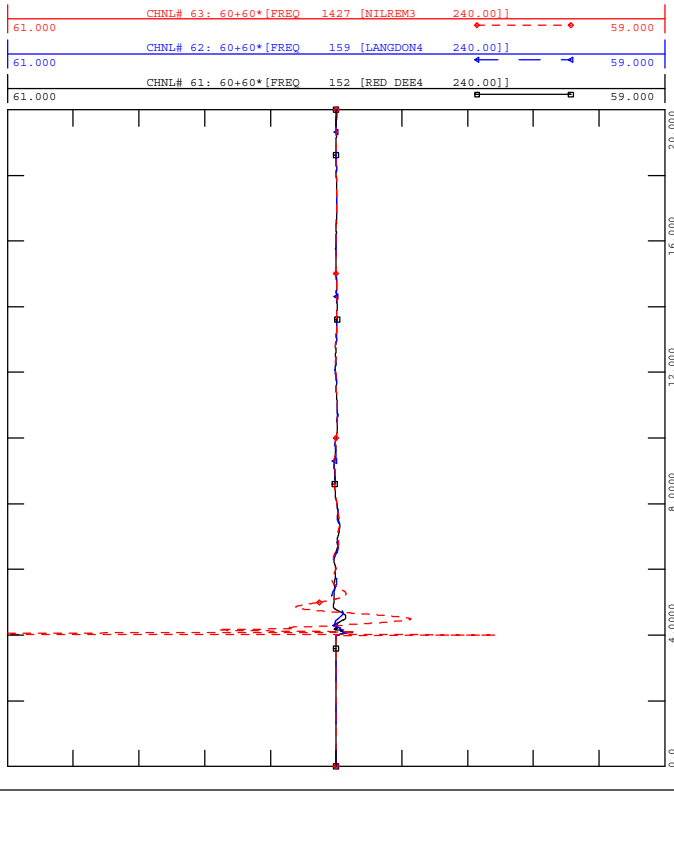


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L16+9L953

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16+9L953.out

MON, NOV 28 2016 22:39

FREQUENCY

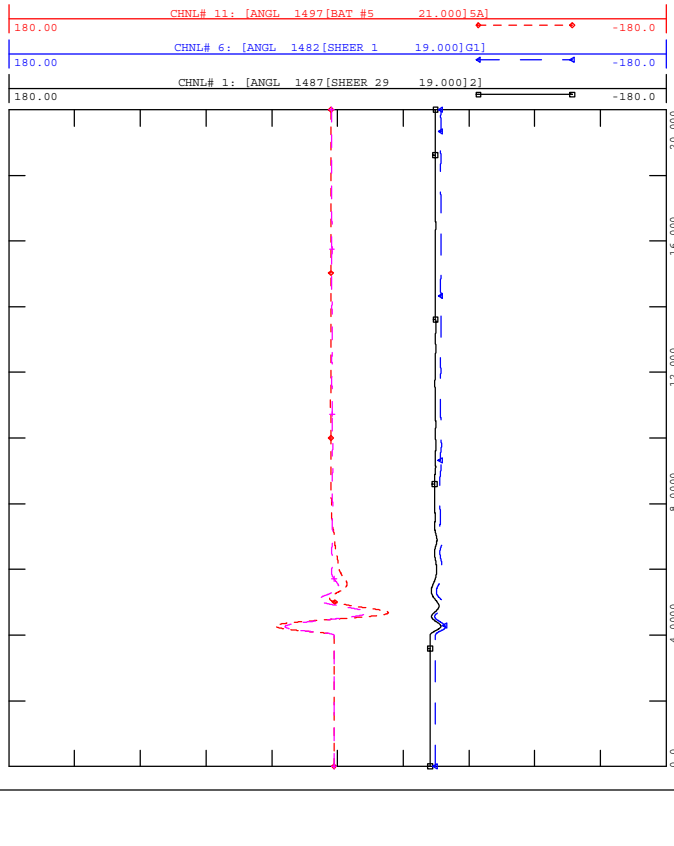


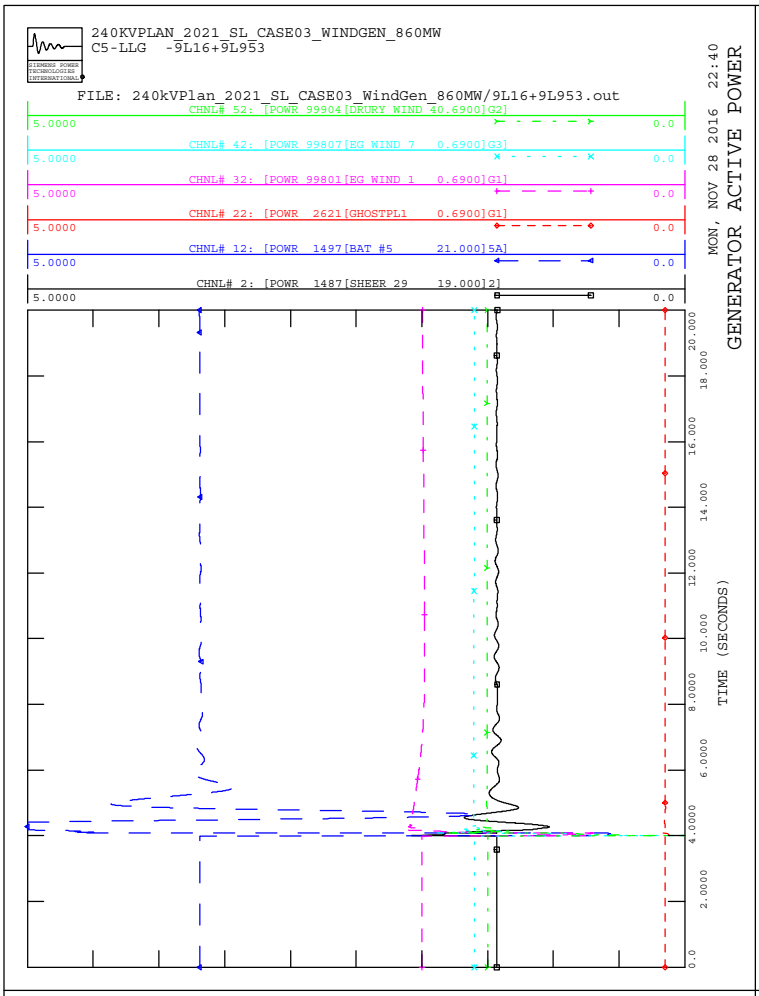
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L16+9L953

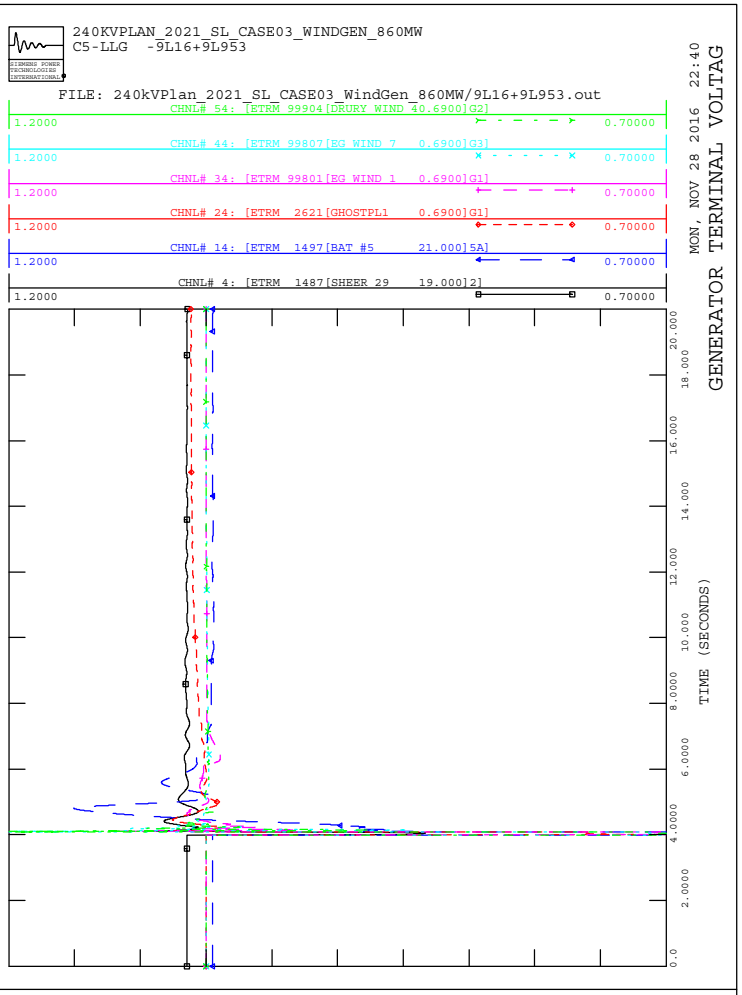
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16+9L953.out

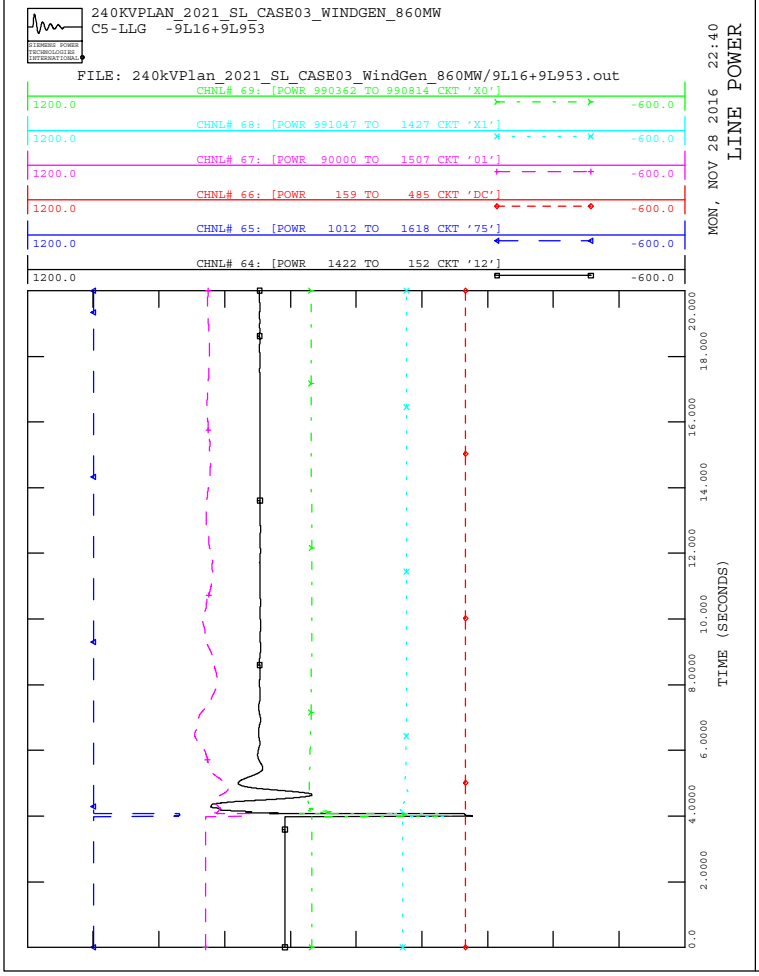
MON, NOV 28 2016 22:39

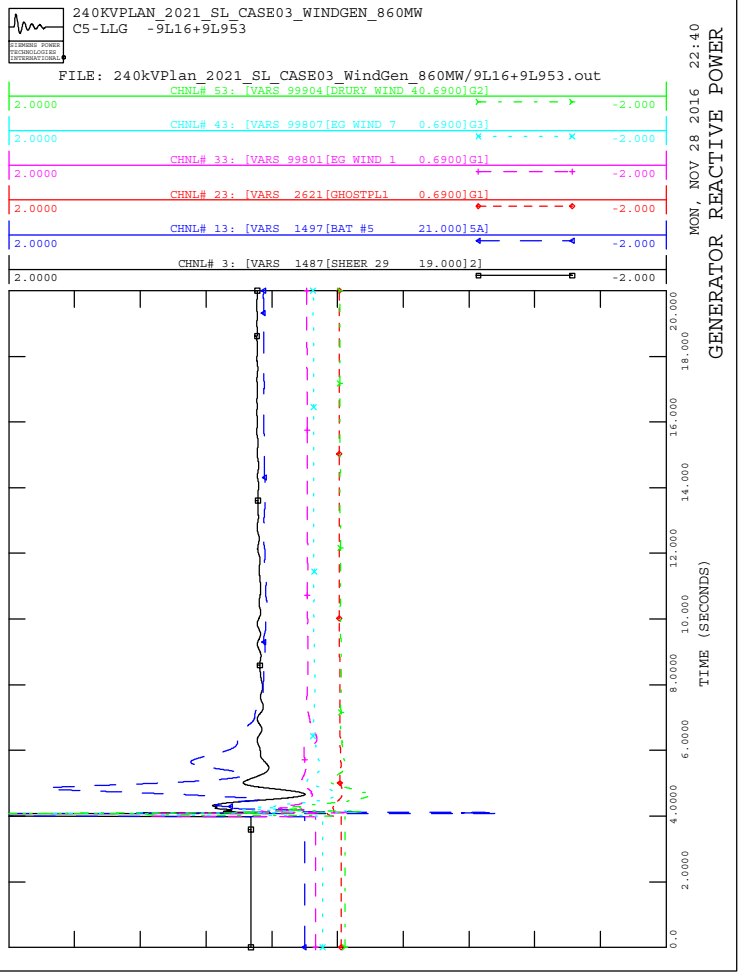
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L16+9L953
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16+9L953.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L16+9L953
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16+9L953.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L16+9L953
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16+9L953.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:40
LINE POWER

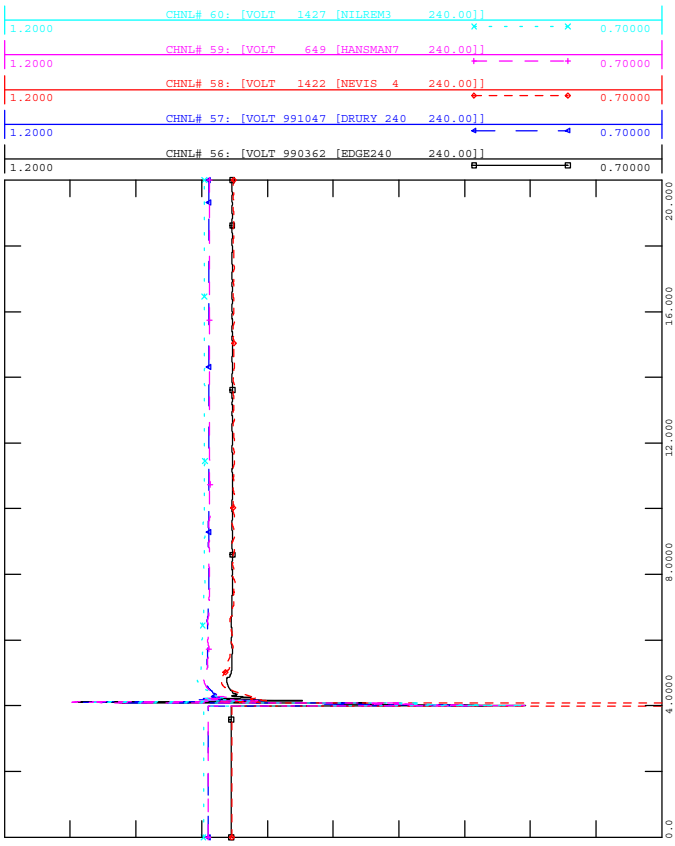

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L16+9L953
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16+9L953.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
0.0000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1082L+925L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1082L+925L.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

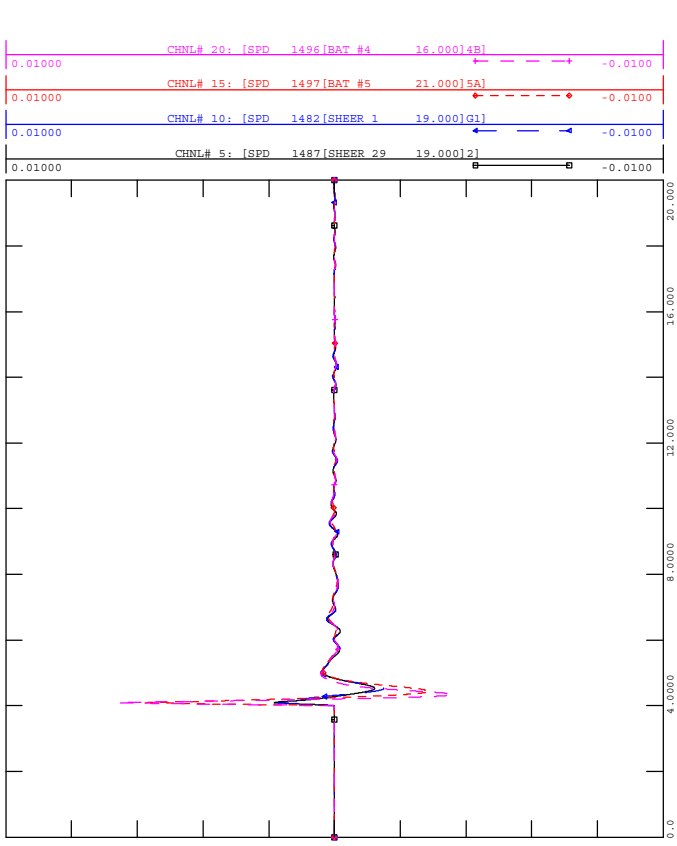


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1082L+925L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1082L+925L.out

MON, NOV 28 2016 22:40

MACHINE SPEED

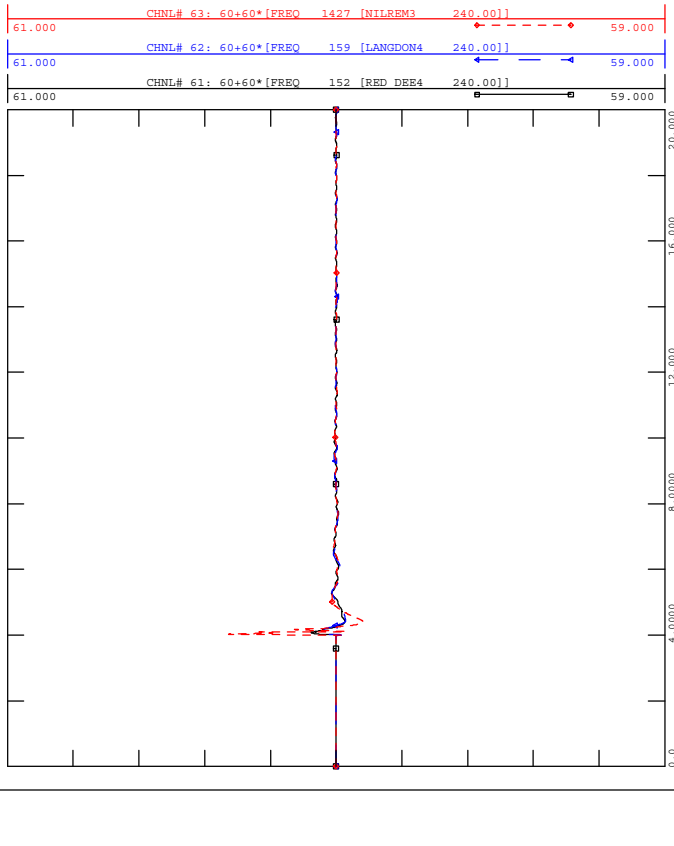


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1082L+925L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1082L+925L.out

MON, NOV 28 2016 22:40

FREQUENCY

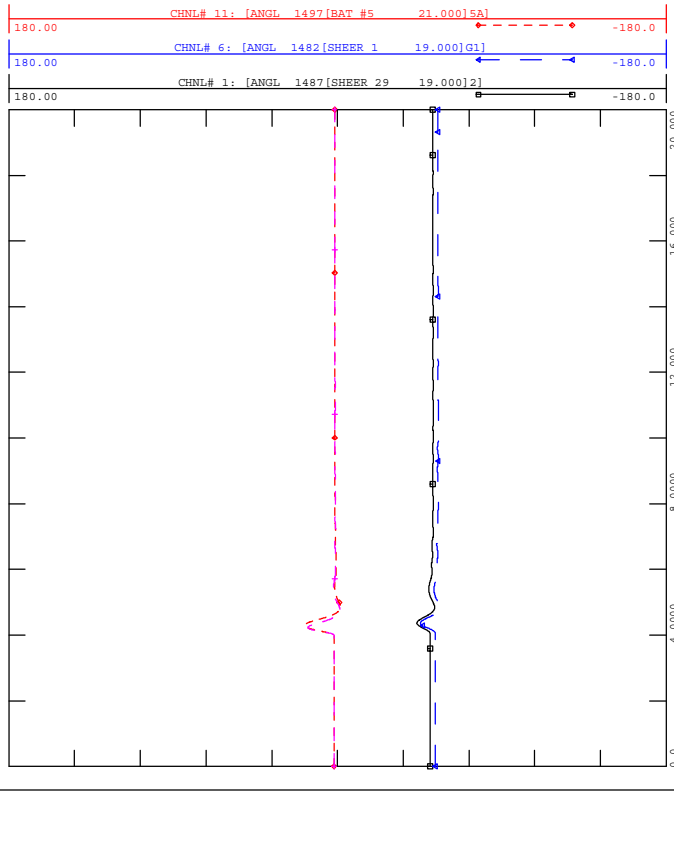


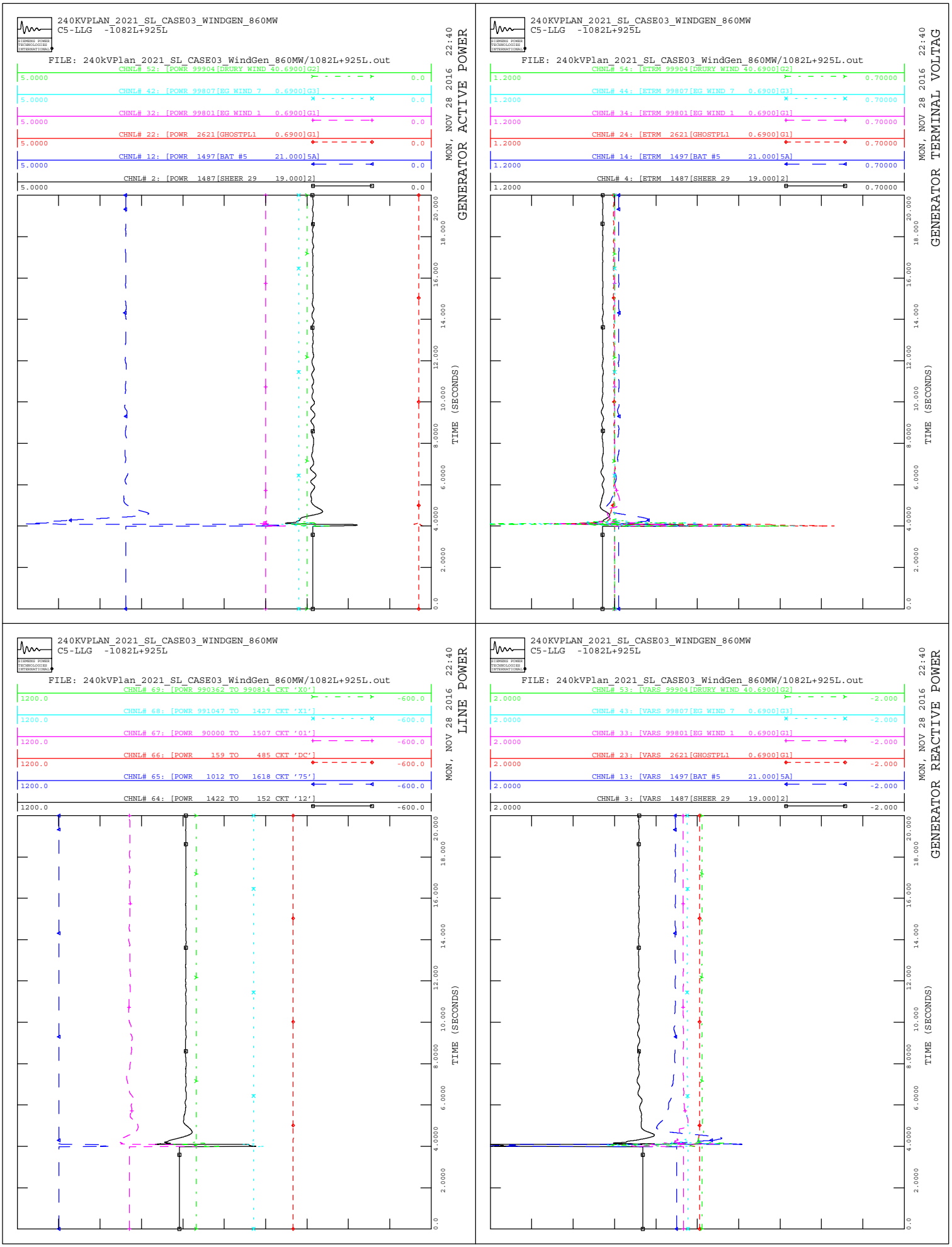
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1082L+925L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1082L+925L.out

MON, NOV 28 2016 22:40

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1082L+925L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1082L+925L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1082L+925L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1082L+925L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
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20.000
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1082L+925L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1082L+925L.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
0.0
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1082L+925L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1082L+925L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
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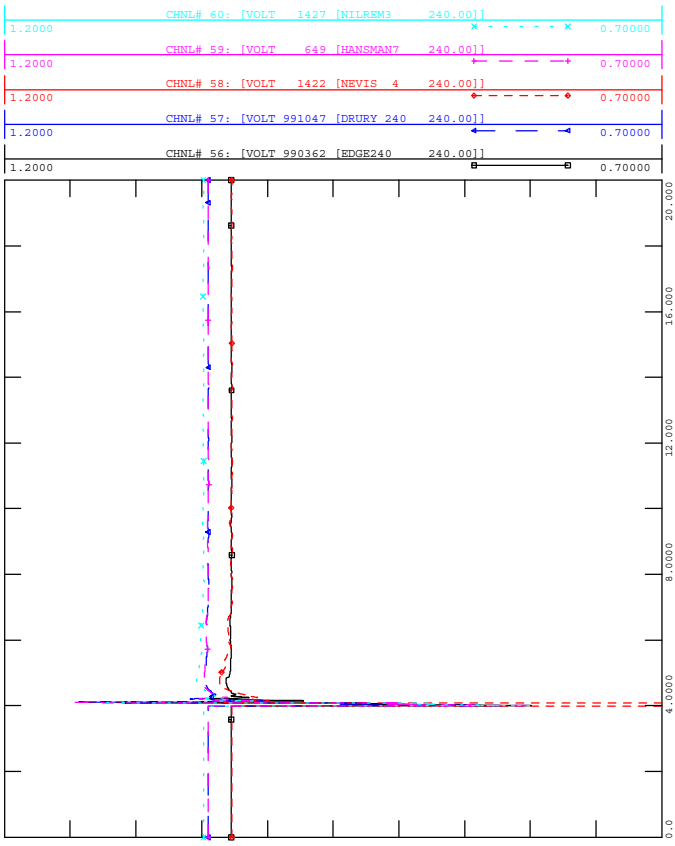
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1083L+914L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1083L+914L.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

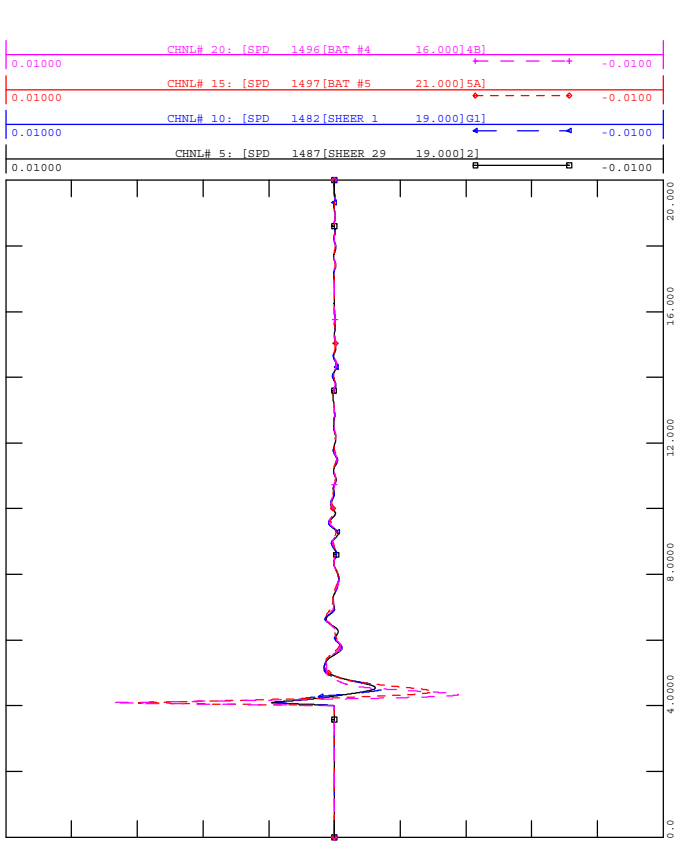


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1083L+914L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1083L+914L.out

MON, NOV 28 2016 22:40

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1083L+914L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1083L+914L.out

MON, NOV 28 2016 22:40

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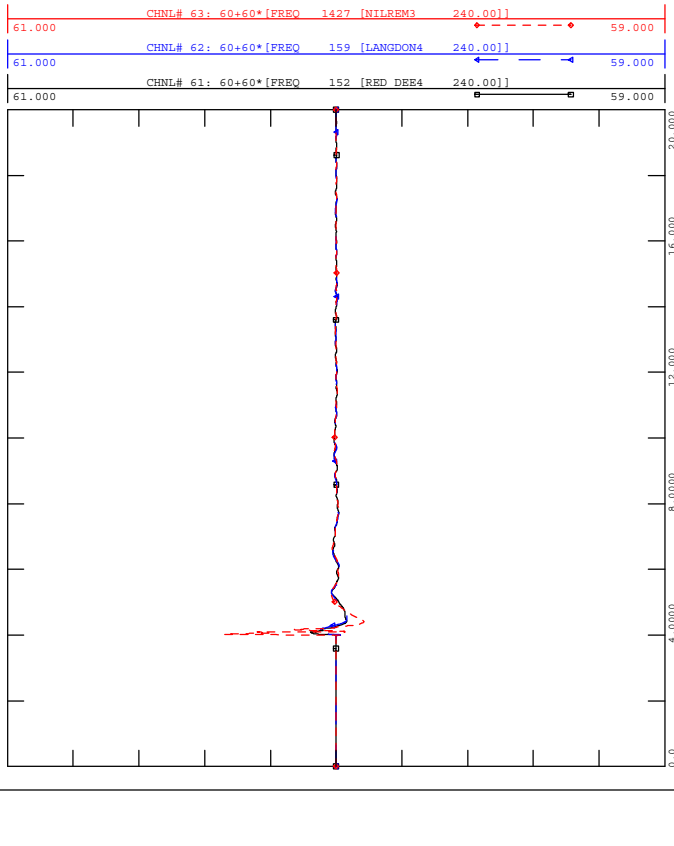
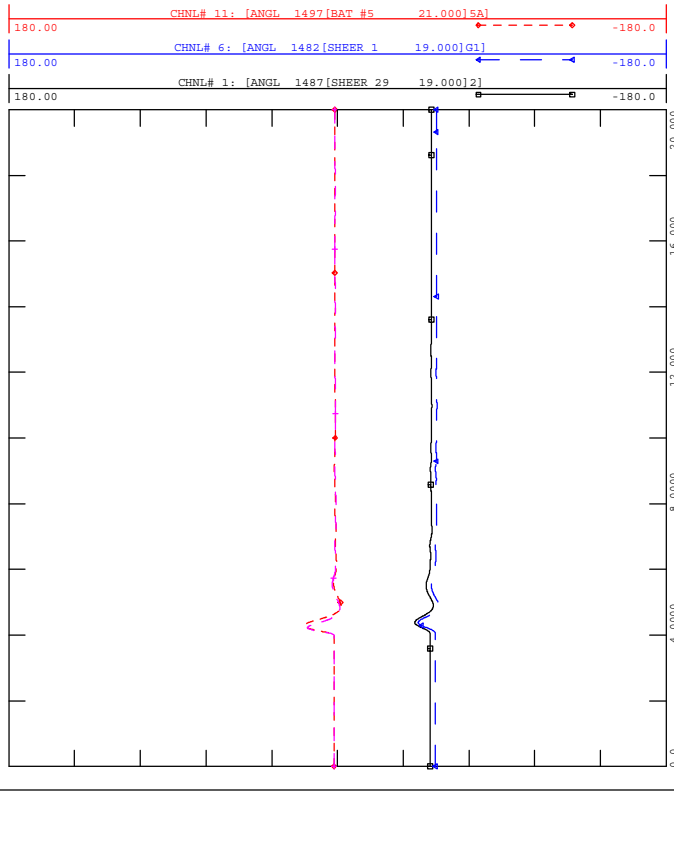


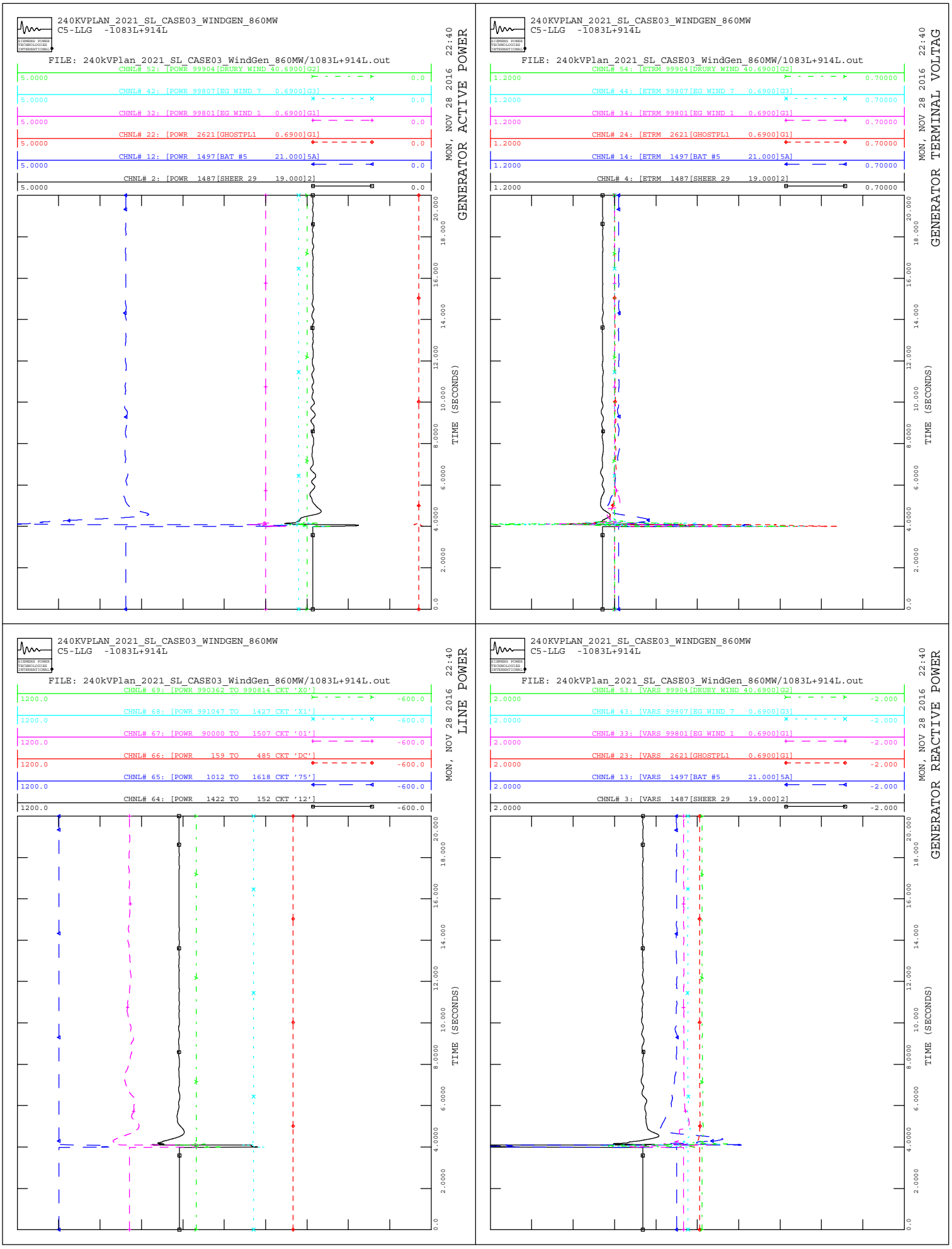
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1083L+914L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1083L+914L.out

MON, NOV 28 2016 22:40

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1083L+914L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1083L+914L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1083L+914L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1083L+914L.out
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CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1083L+914L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1083L+914L.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
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CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -1083L+914L
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MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
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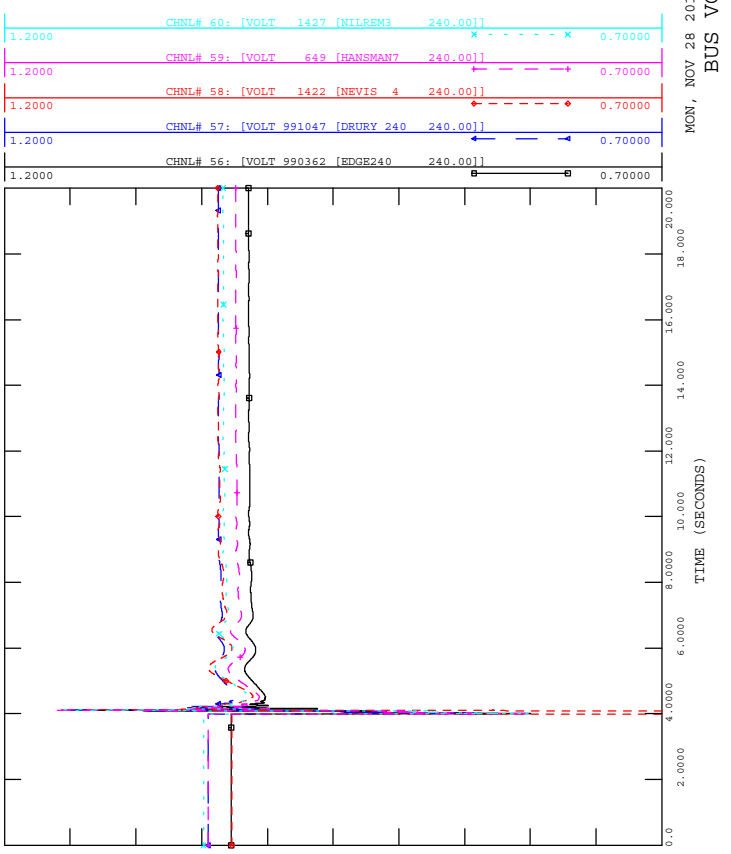
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -901L+912L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/901L+912L.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

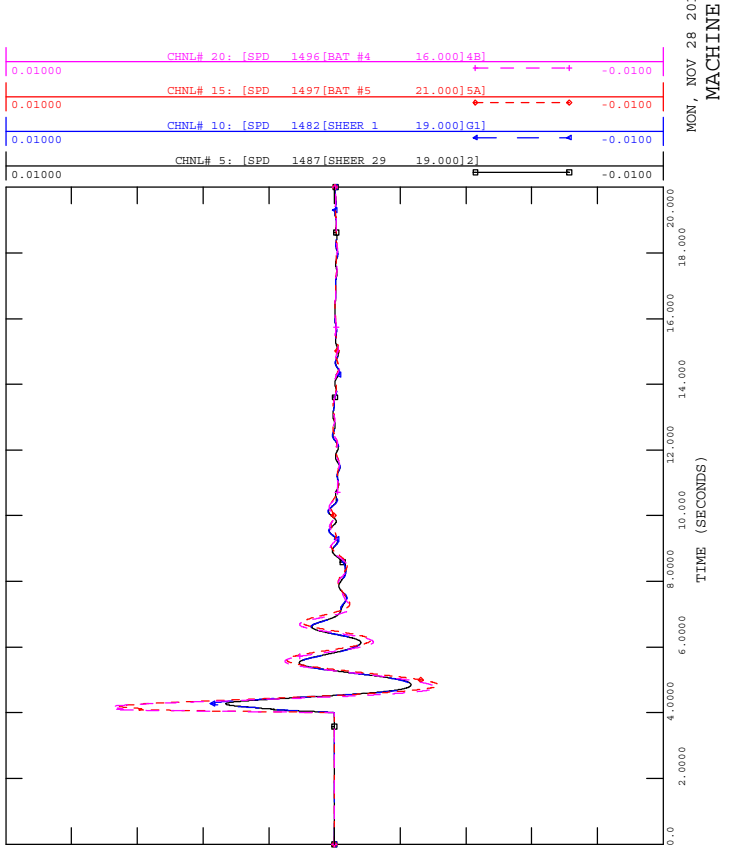


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -901L+912L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/901L+912L.out

MON, NOV 28 2016 22:40

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -901L+912L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/901L+912L.out

MON, NOV 28 2016 22:40

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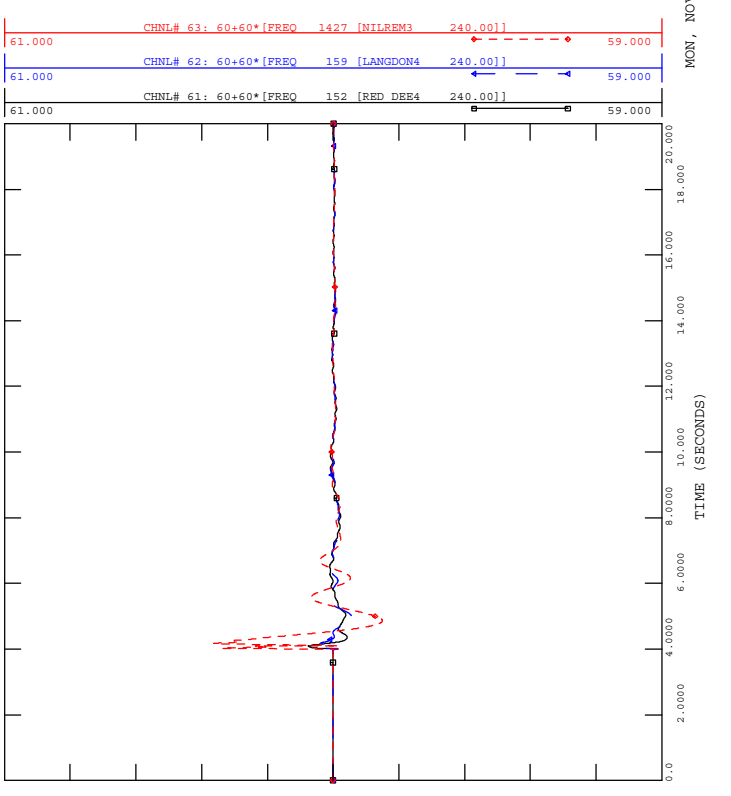
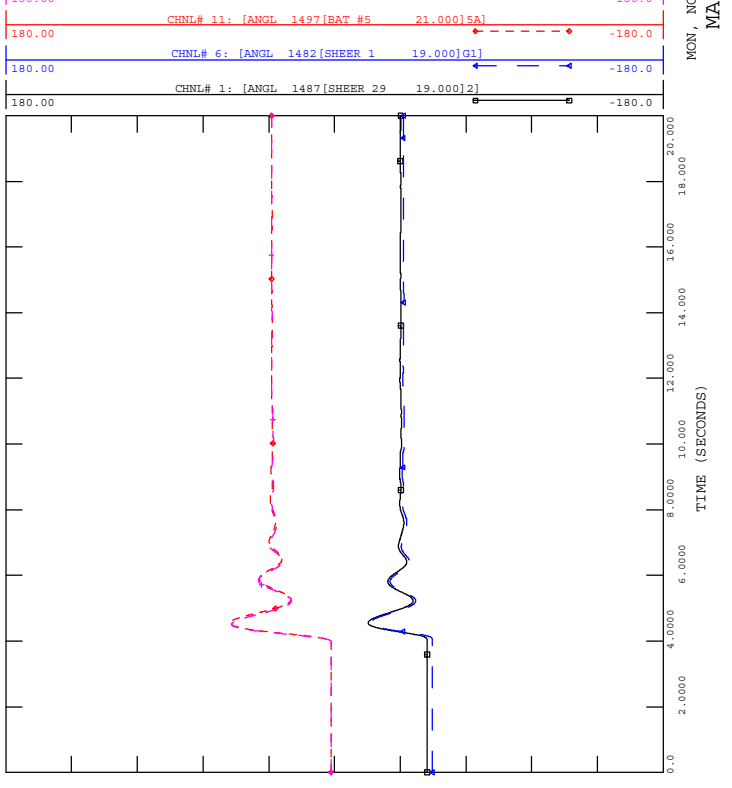


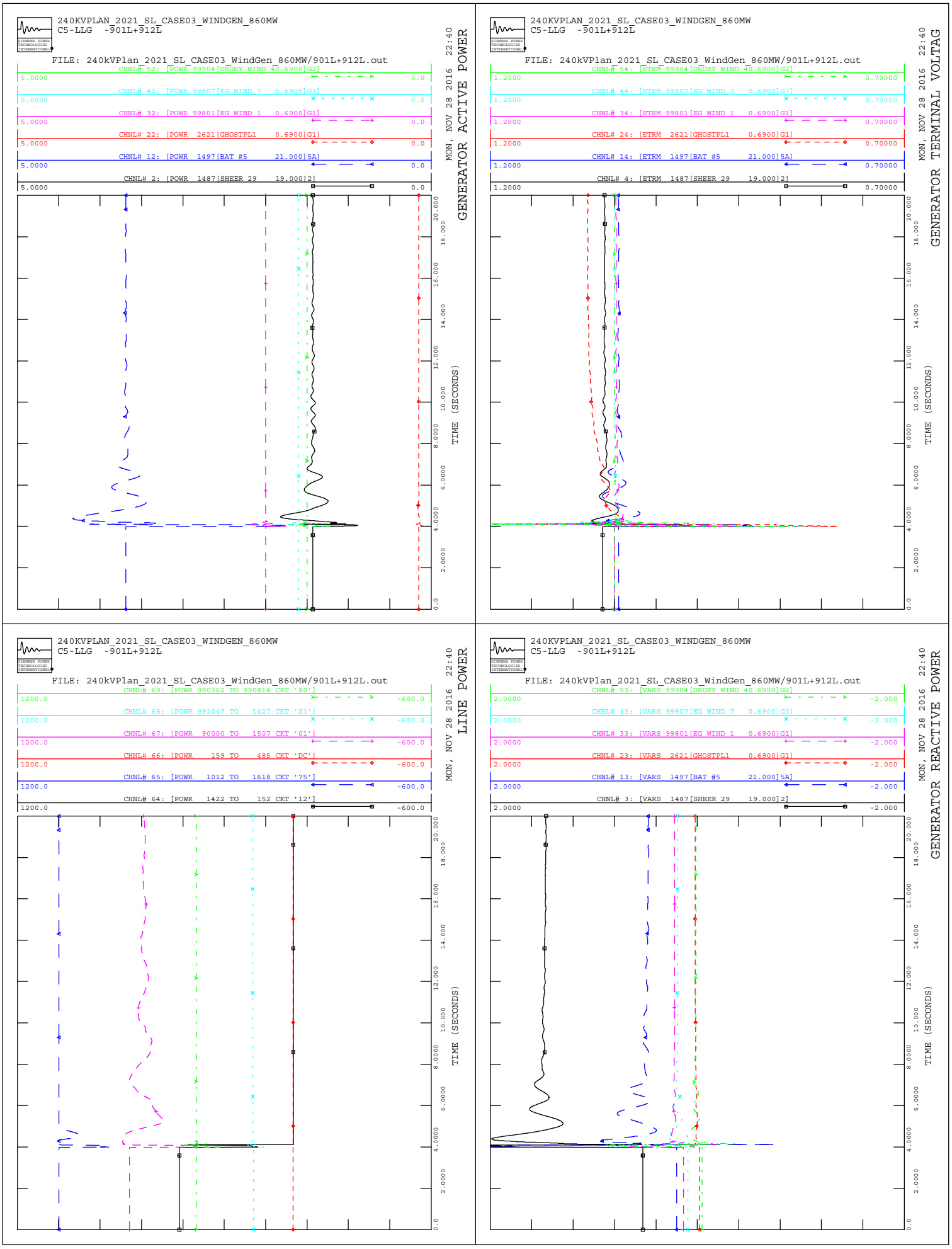
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -901L+912L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/901L+912L.out

MON, NOV 28 2016 22:40

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -901L+912L
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -901L+912L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/901L+912L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
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CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -901L+912L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/901L+912L.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -901L+912L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/901L+912L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
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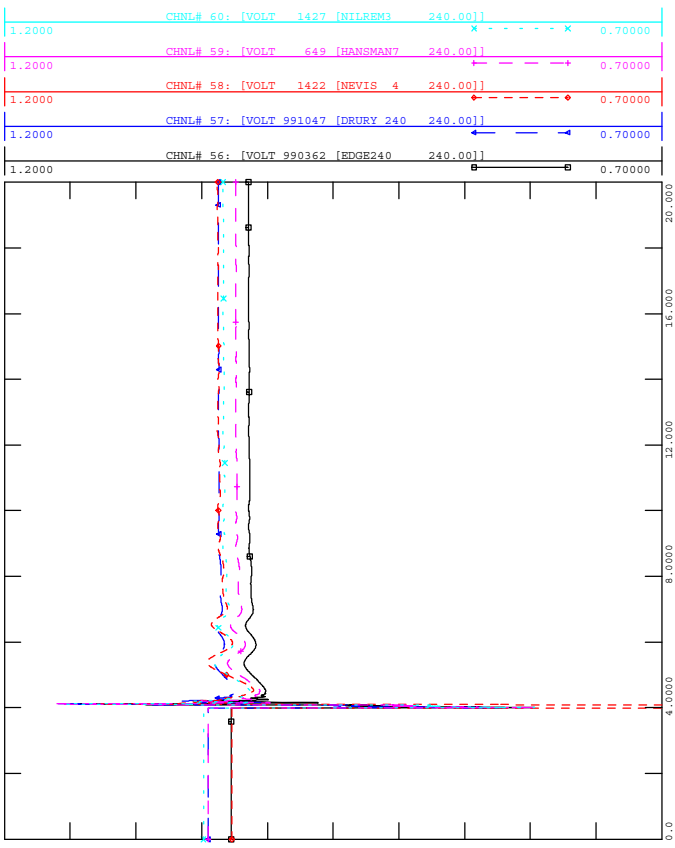
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -912L+914L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L+914L.out

MON, NOV 28 2016 22:40

BUS VOLTAGE



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -912L+914L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L+914L.out

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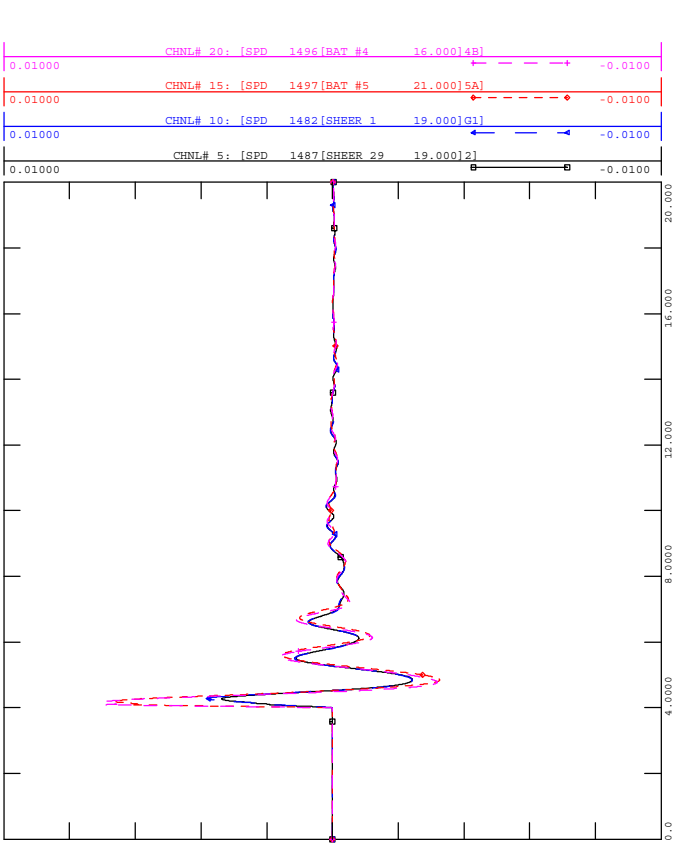
MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -912L+914L

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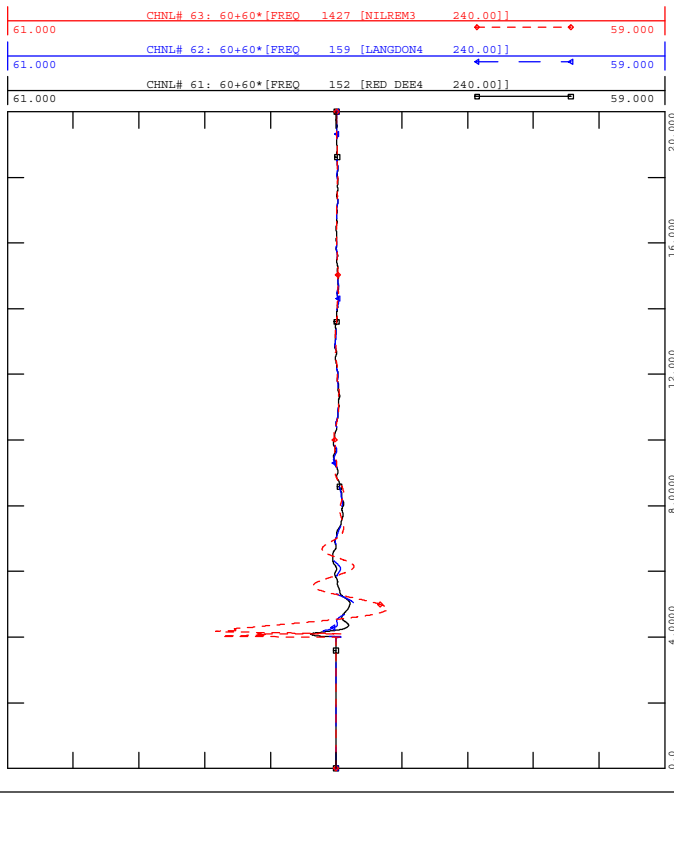

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -912L+914L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L+914L.out

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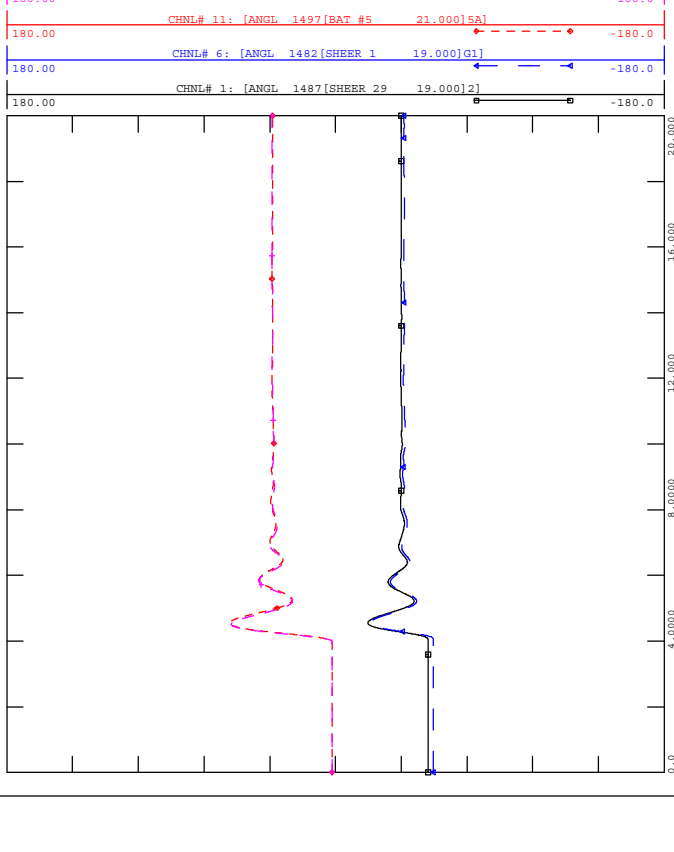
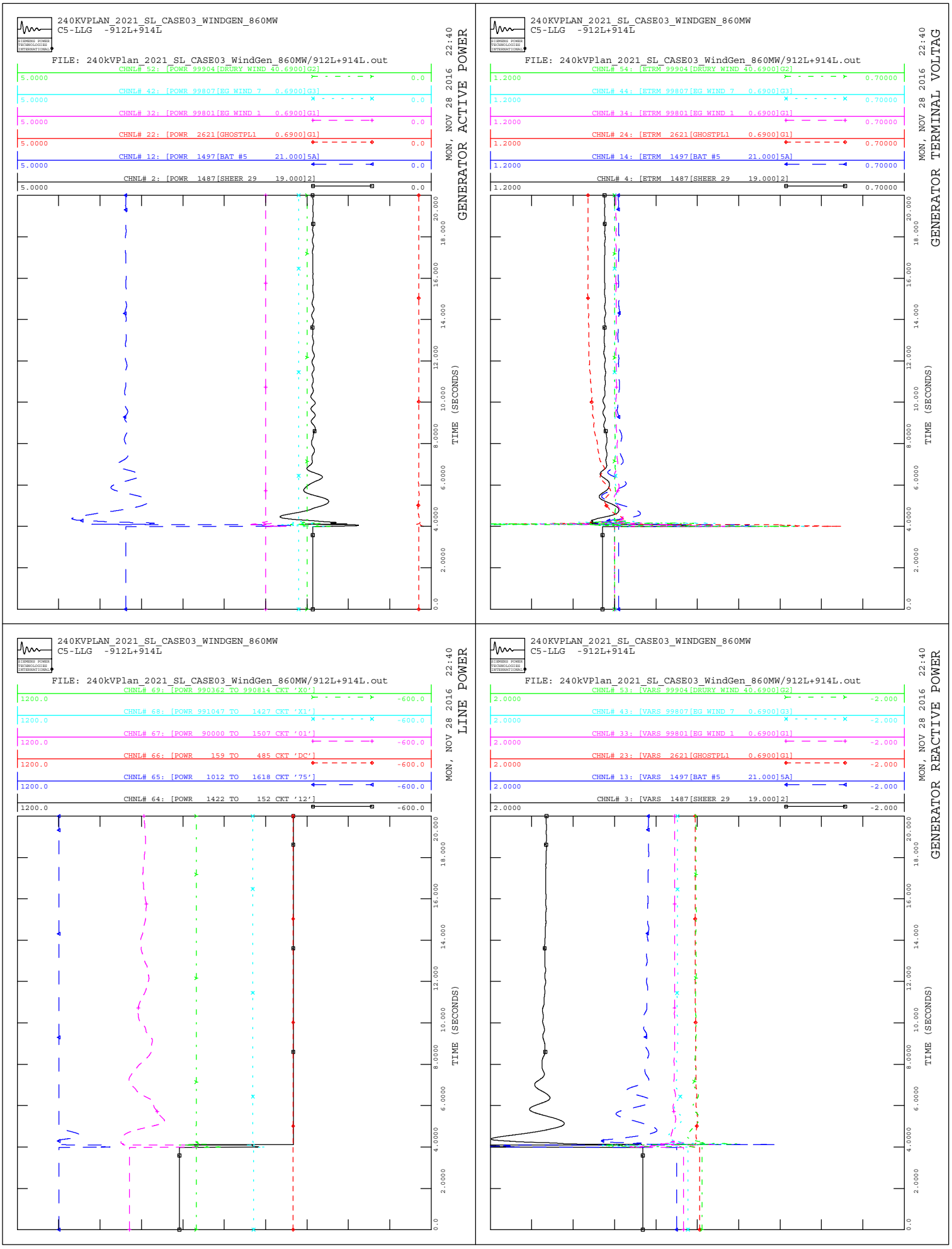
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -912L+914L
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CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -912L+914L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L+914L.out
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MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -912L+914L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L+914L.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
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1200.0
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MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -912L+914L
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
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MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
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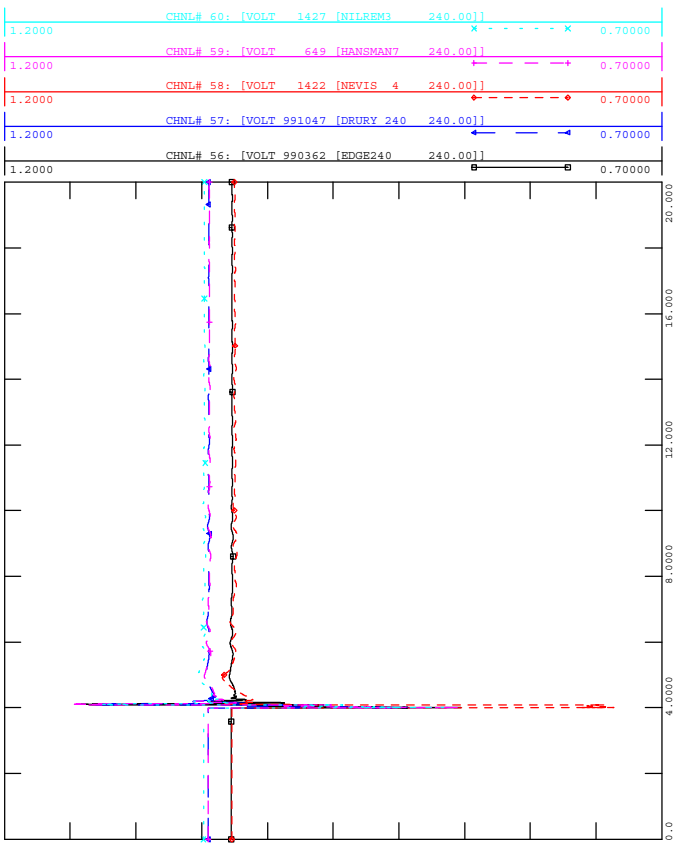
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -929L+925L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/929L+925L.out

MON, NOV 28 2016 22:40

BUS VOLTAGE



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -929L+925L

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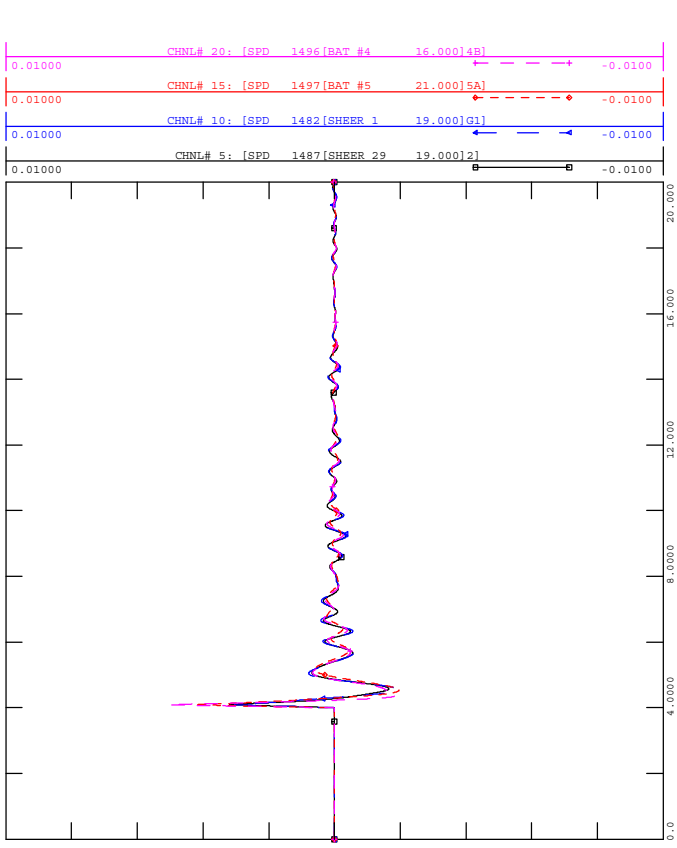
MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -929L+925L

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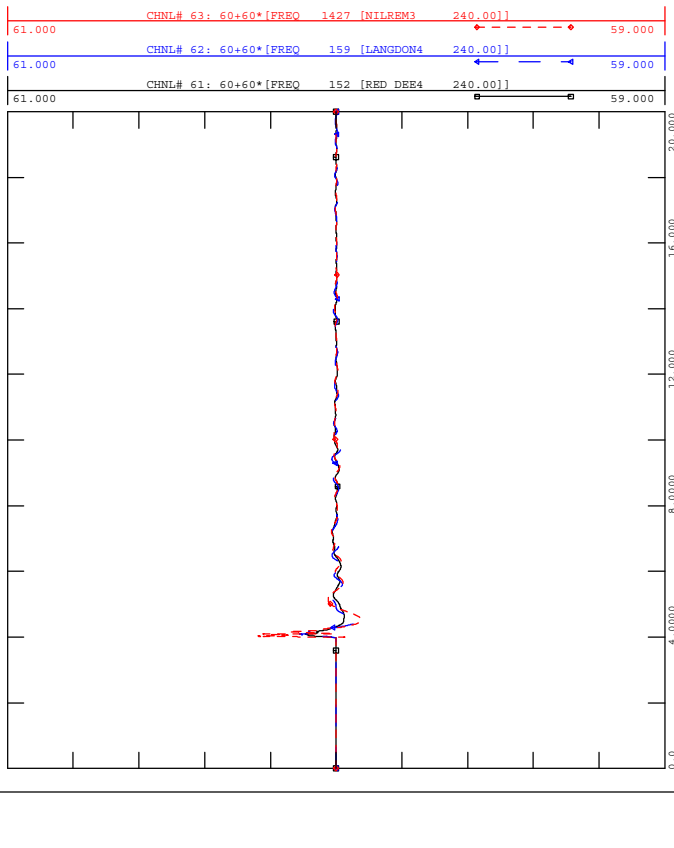
MON, NOV 28 2016 22:40

FREQUENCY

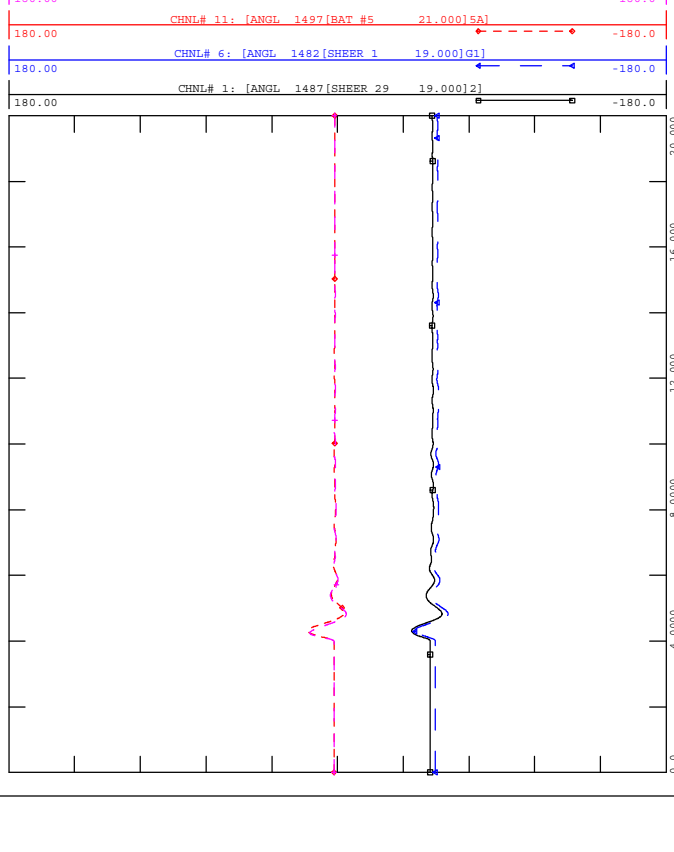


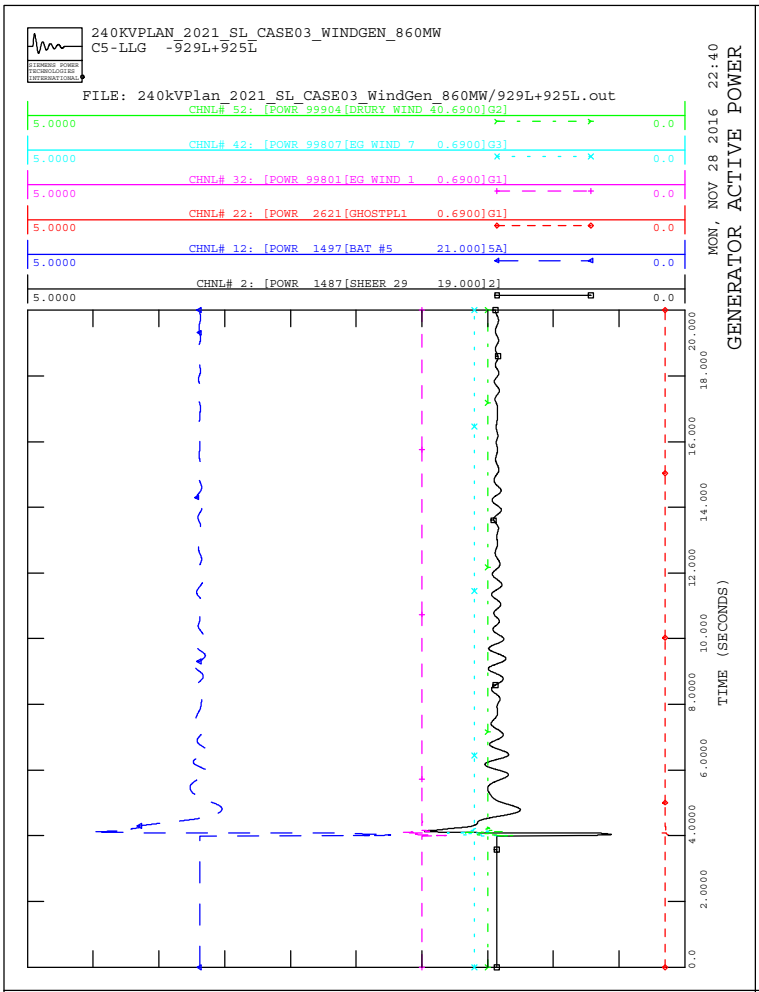
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -929L+925L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/929L+925L.out

MON, NOV 28 2016 22:40

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -929L+925L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/929L+925L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
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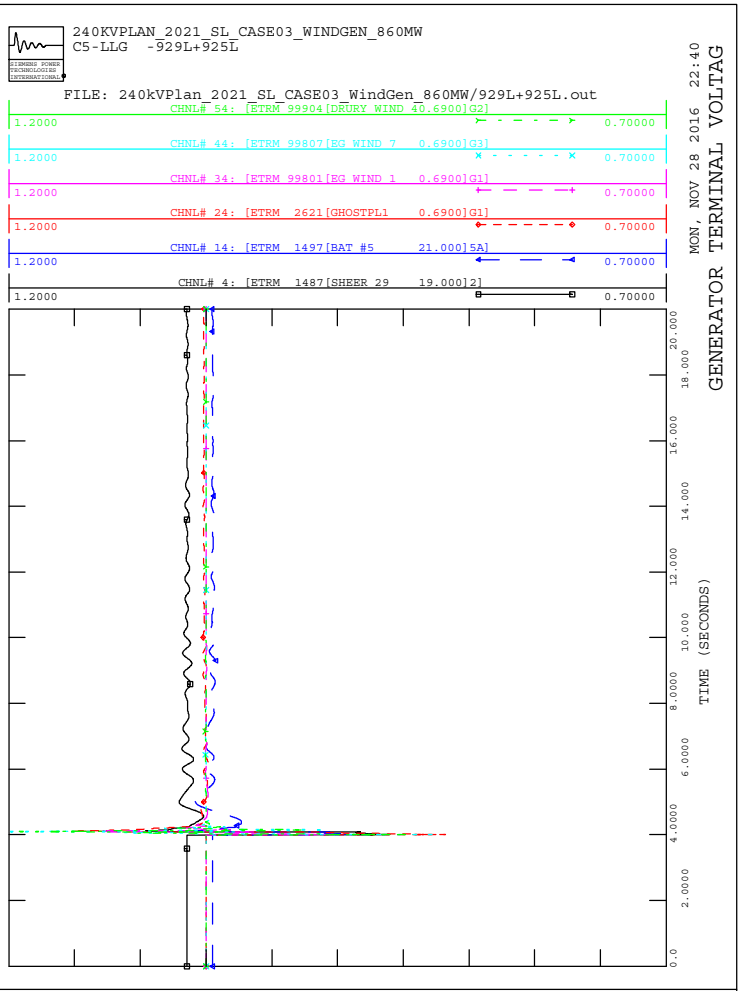
TIME (SECONDS)
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -929L+925L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/929L+925L.out
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CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
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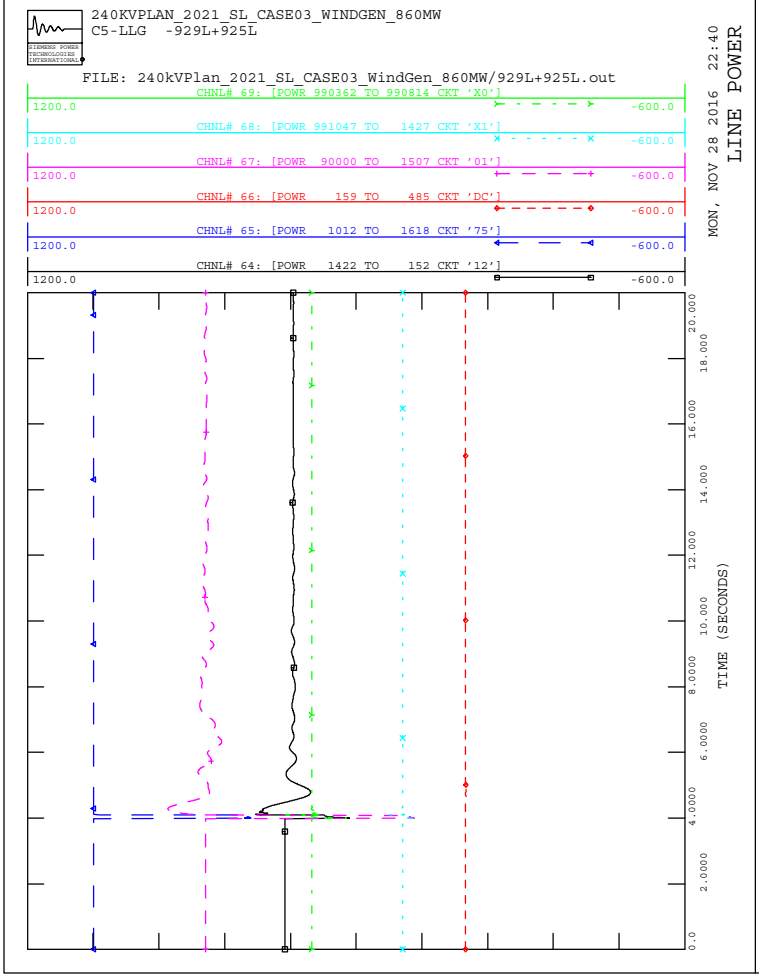
TIME (SECONDS)
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -929L+925L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/929L+925L.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
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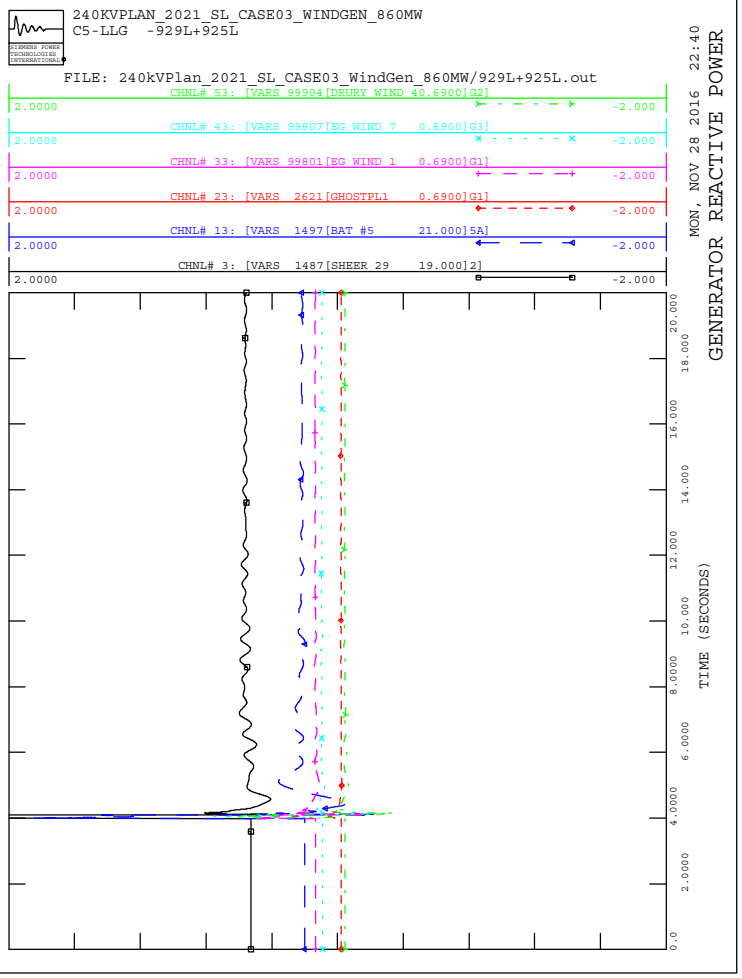
TIME (SECONDS)
MON, NOV 28 2016 22:40
LINE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -929L+925L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/929L+925L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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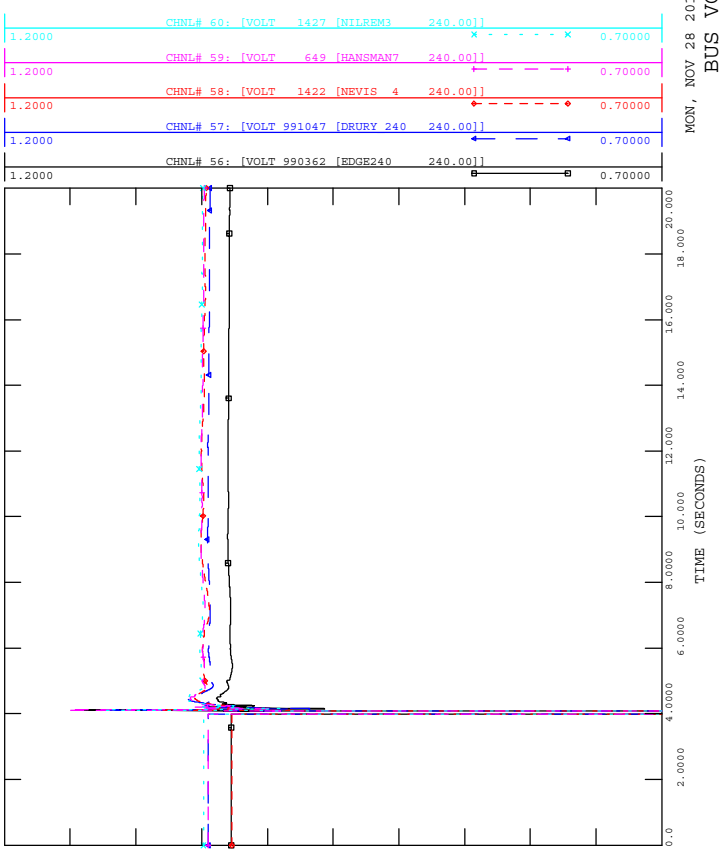
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L80+9L79

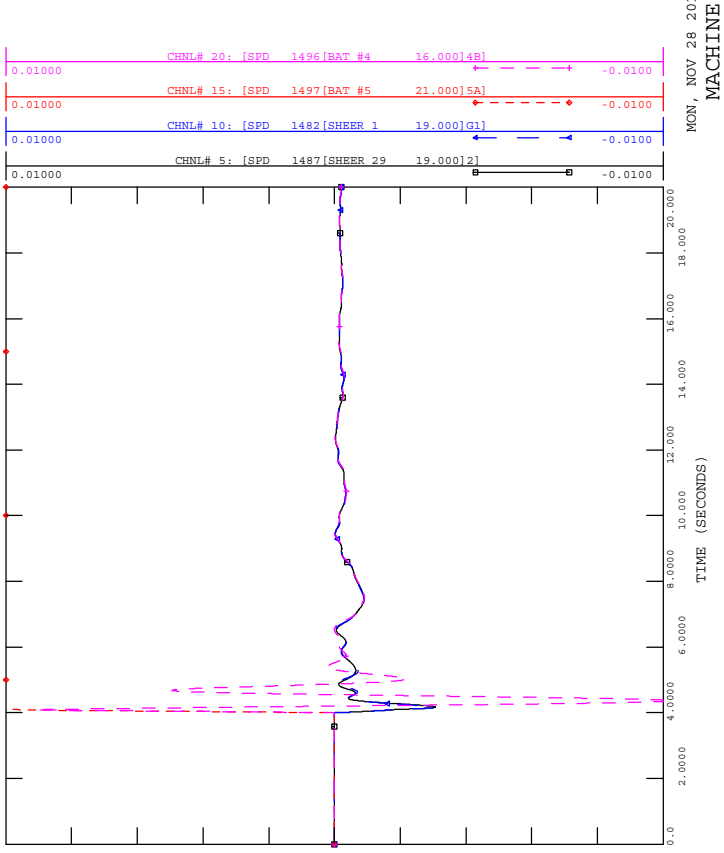
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80+9L79.out



MON, NOV 28 2016 22:40
BUS VOLTAGE

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L80+9L79

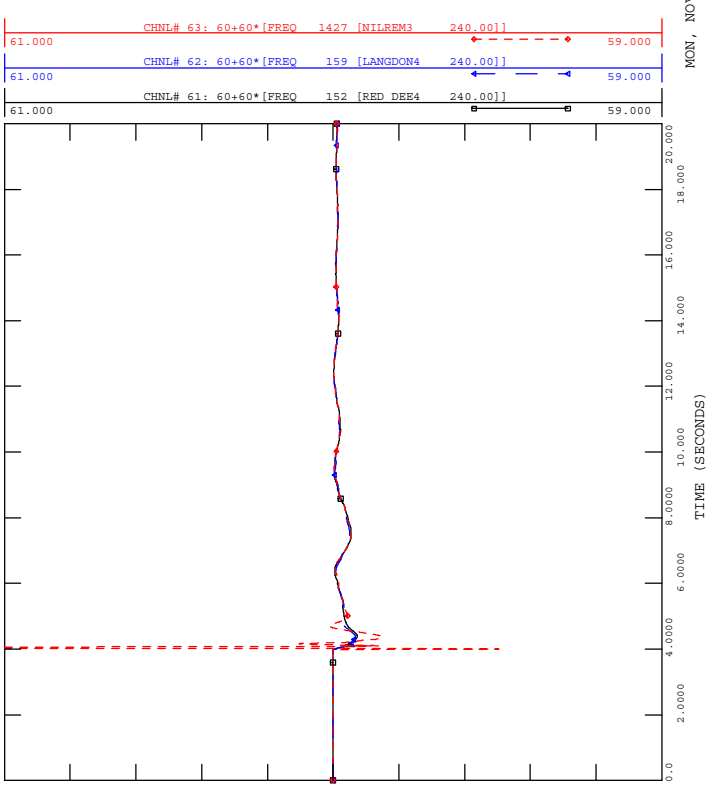
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80+9L79.out



MON, NOV 28 2016 22:40
MACHINE SPEED

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L80+9L79

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80+9L79.out



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240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L80+9L79

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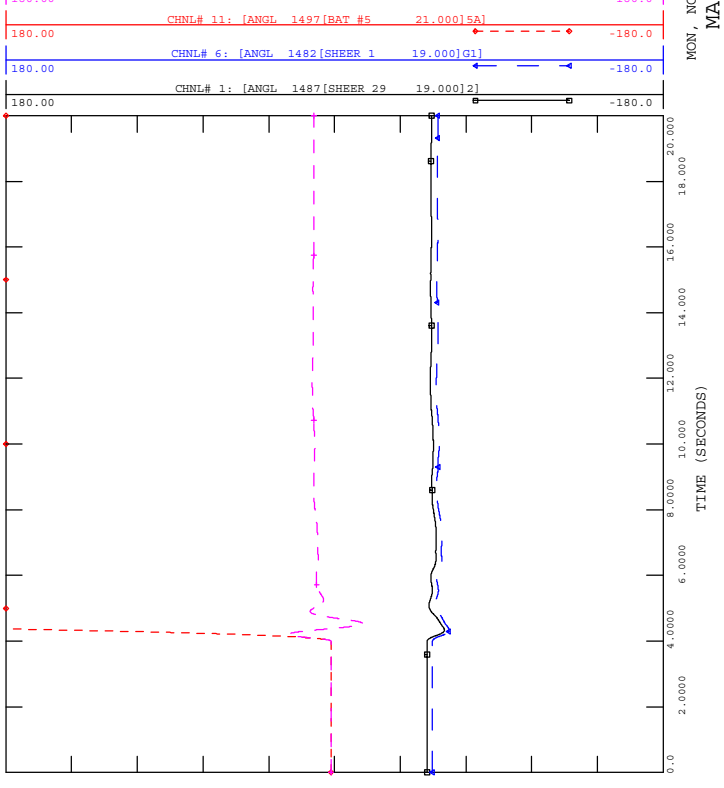

MON, NOV 28 2016 22:40
MACHINE ANGEL

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L80+9L79

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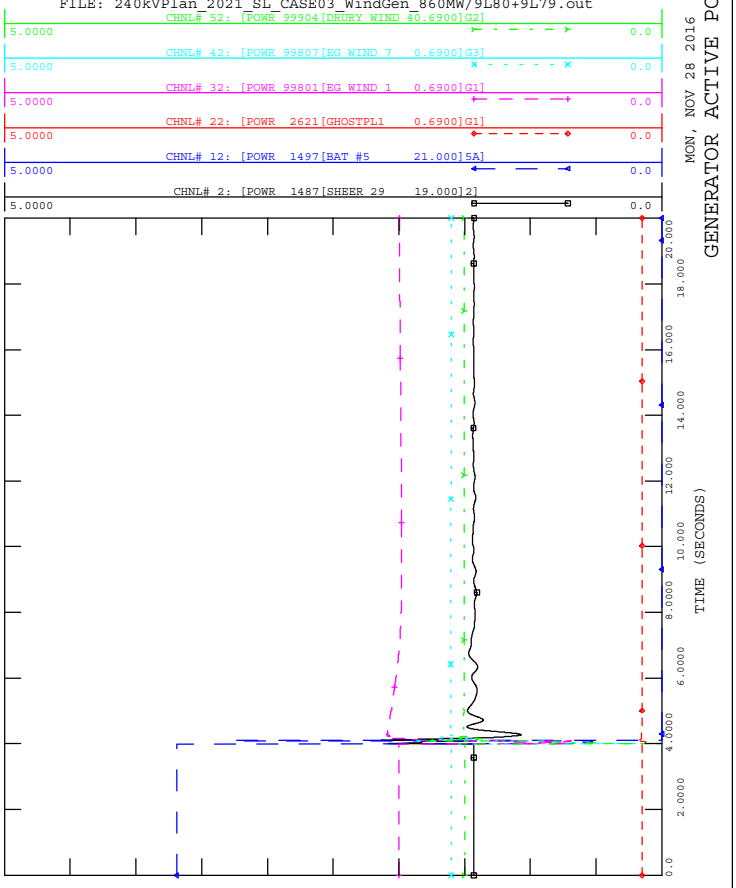

MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L80+9L79

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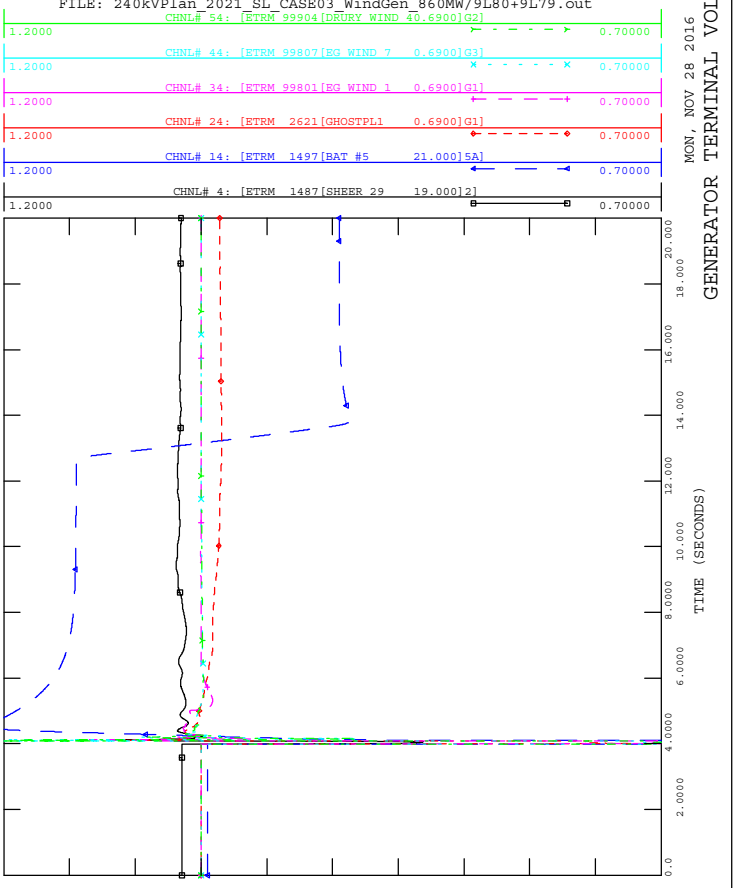
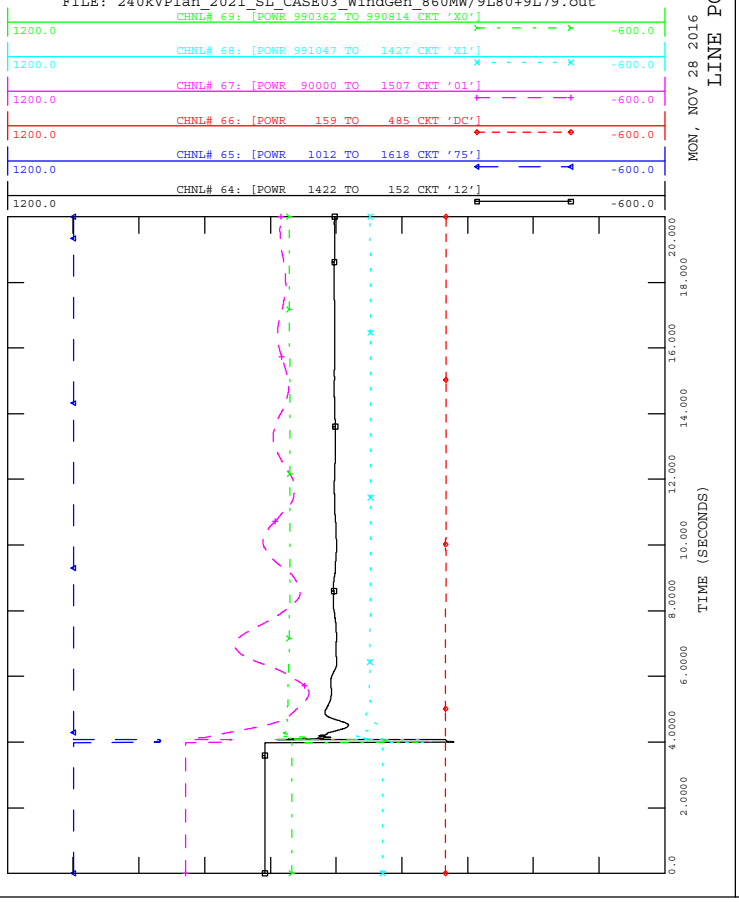


MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L80+9L79

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80+9L79.out



MON, NOV 28 2016 22:40
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L80+9L79

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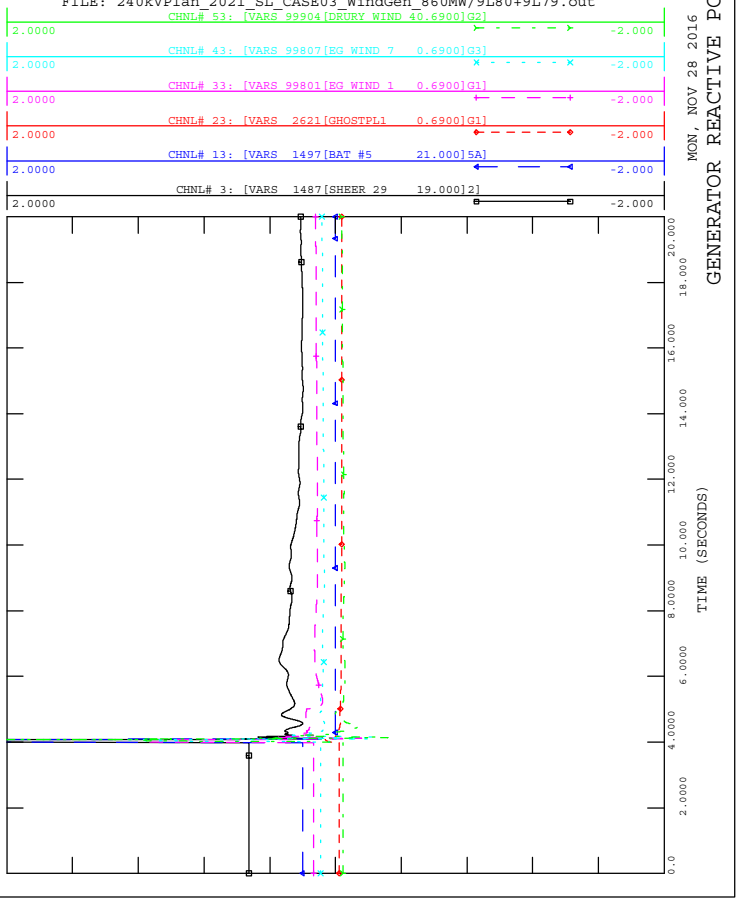

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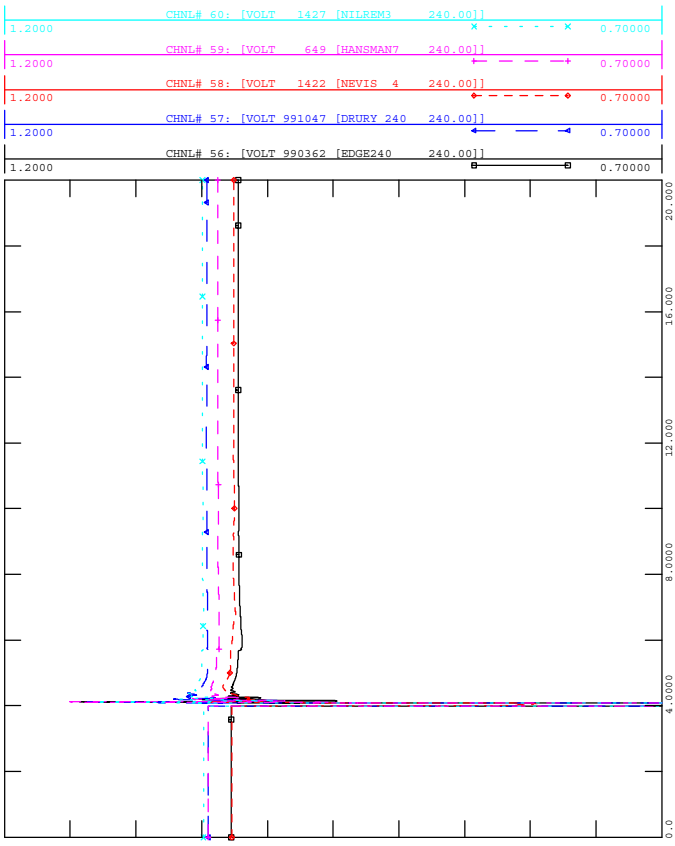
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -953L+1047L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/953L+1047L.out

MON, NOV 28 2016 22:40

BUS VOLTAGE



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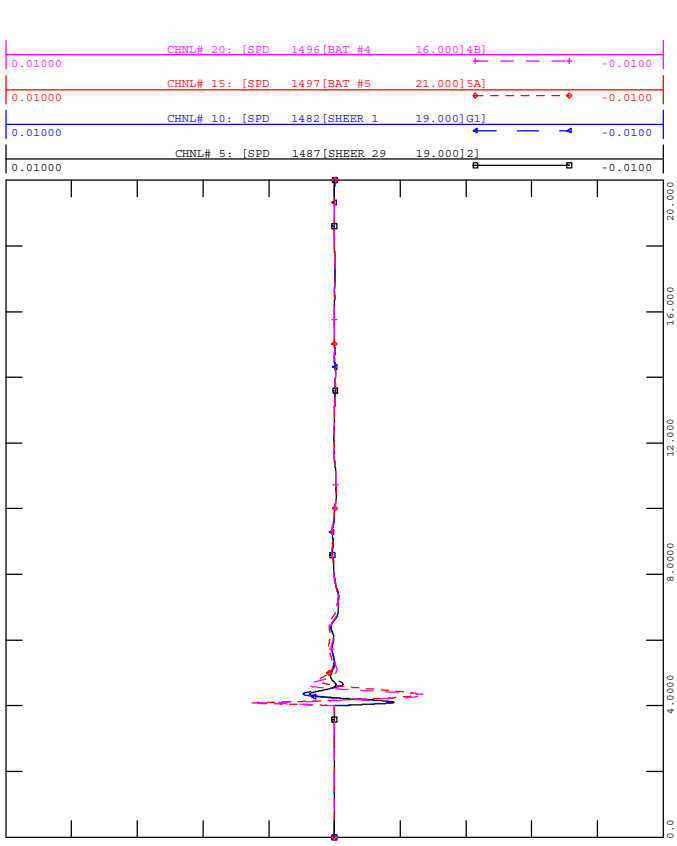
MON, NOV 28 2016 22:40

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -953L+1047L

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MON, NOV 28 2016 22:40

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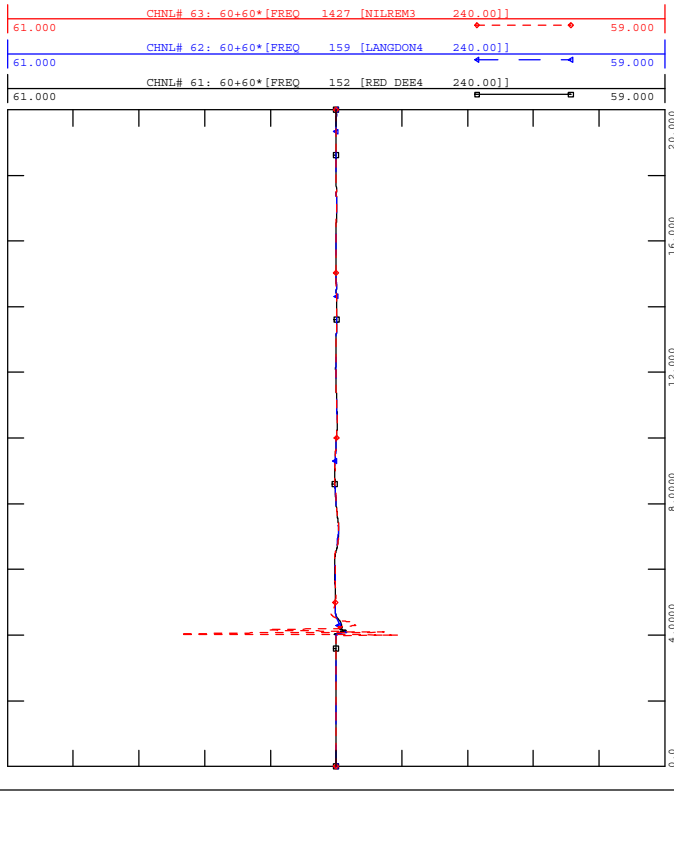

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -953L+1047L

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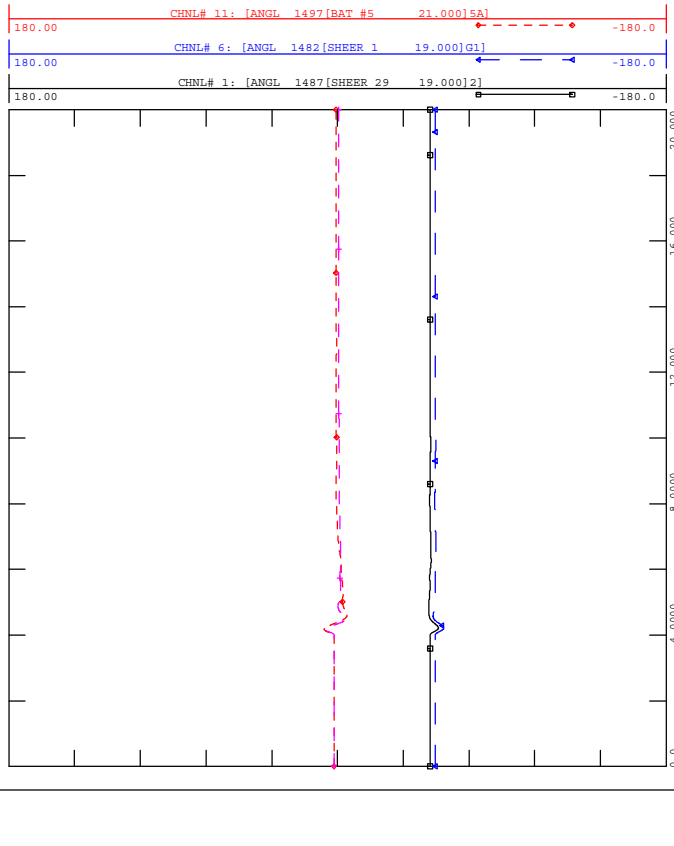
MON, NOV 28 2016 22:40

MACHINE ANGEL



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C5-LLG -953L+1047L

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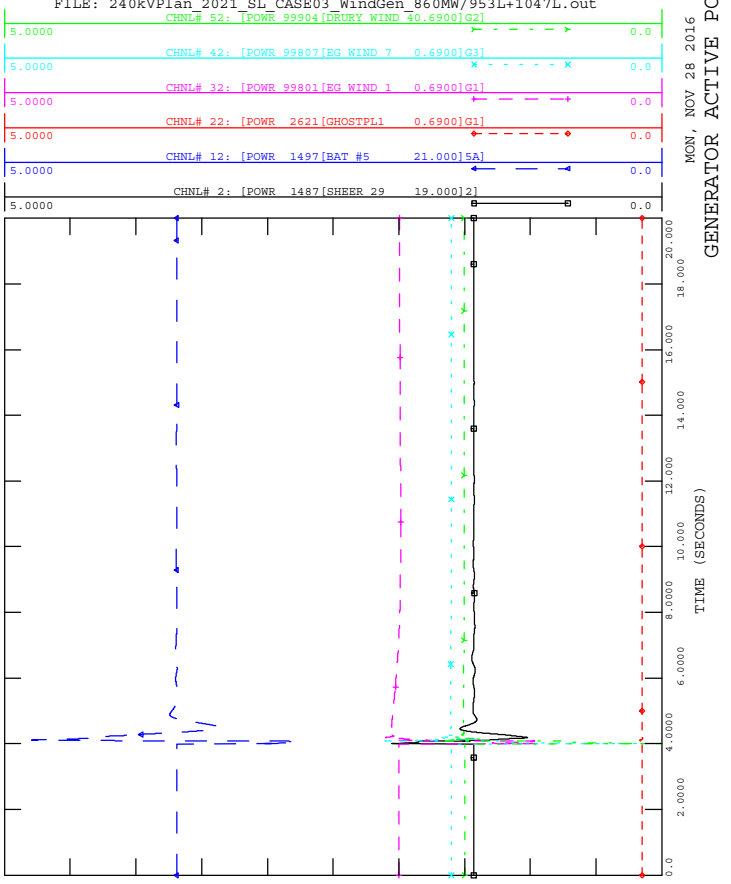

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GENERATOR ACTIVE POWER

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C5-LLG -953L+1047L

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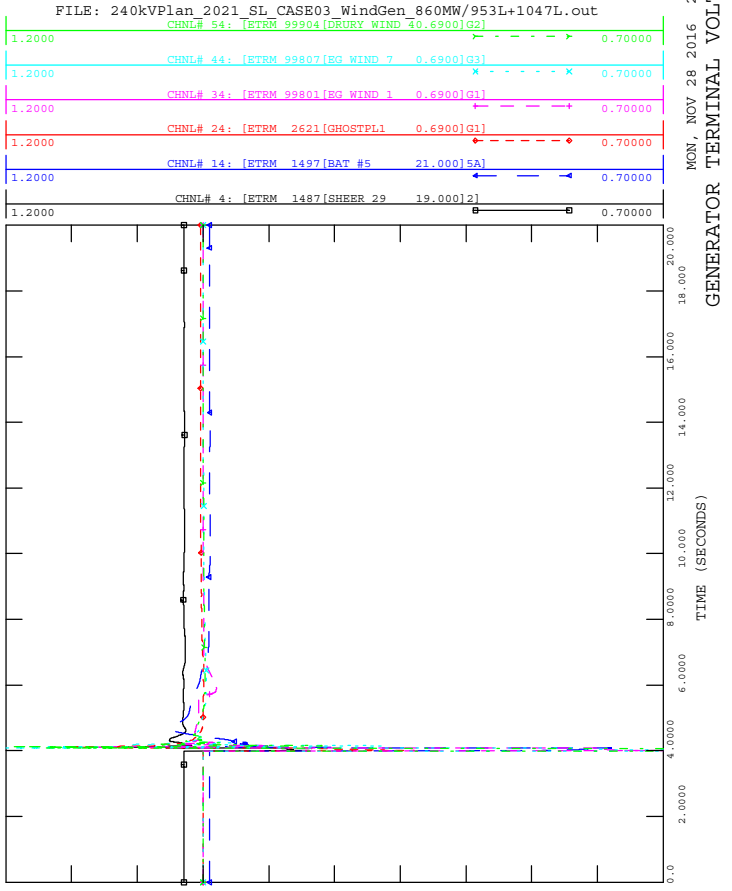

MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG

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C5-LLG -953L+1047L

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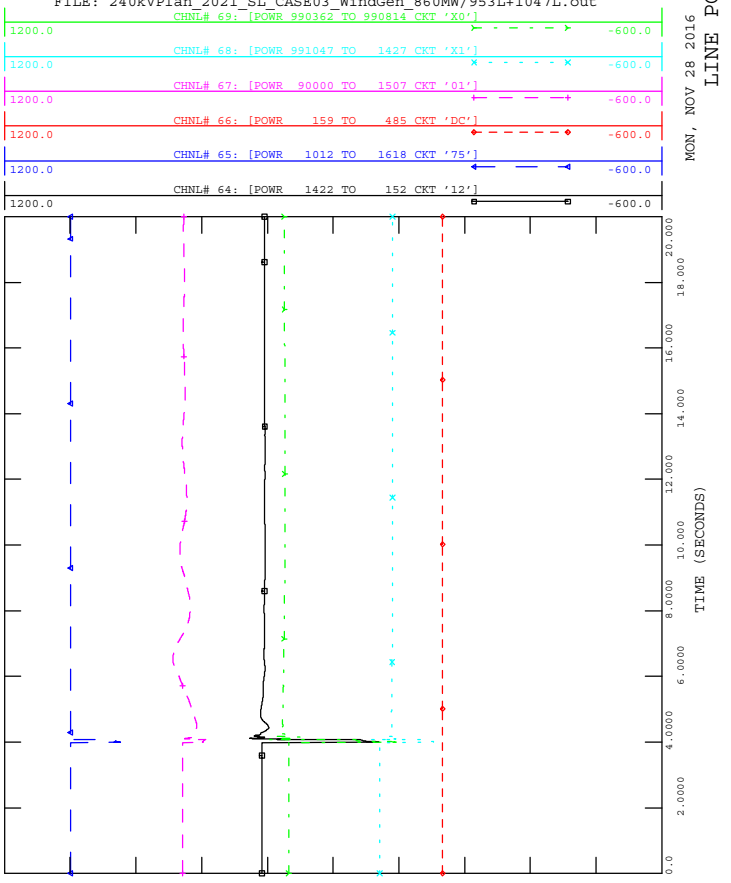

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LINE POWER

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C5-LLG -953L+1047L

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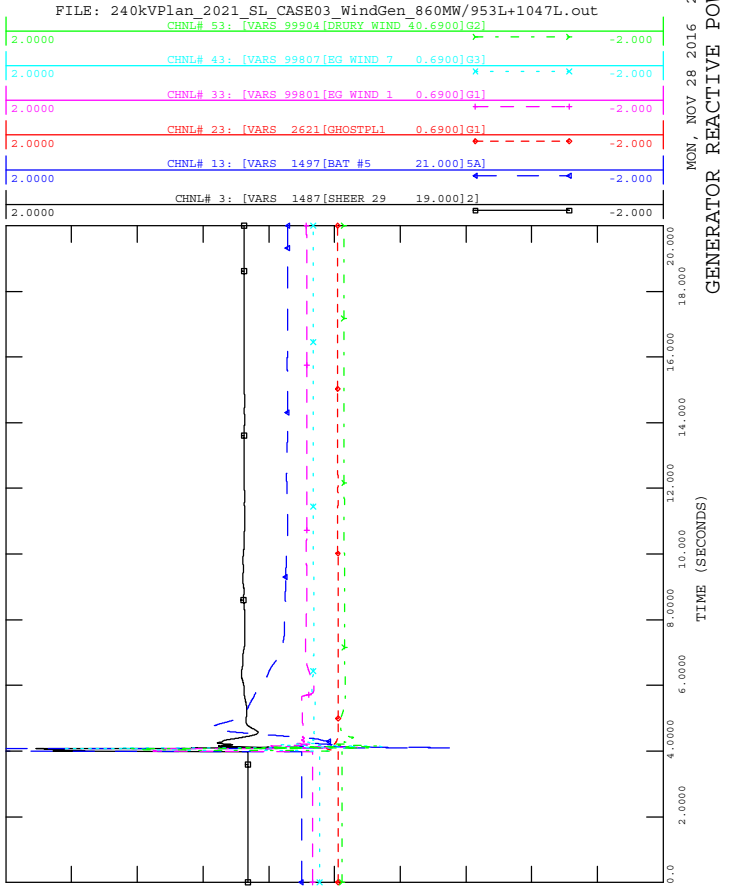

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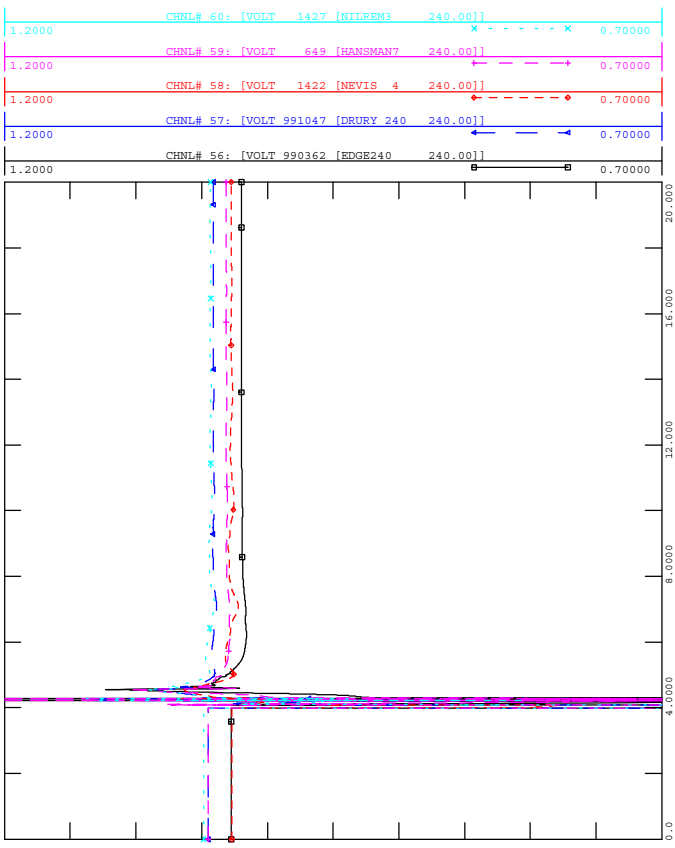
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -948L+1047L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L+1047L.out

MON, NOV 28 2016 22:40

BUS VOLTAGE



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C5-LLG -948L+1047L

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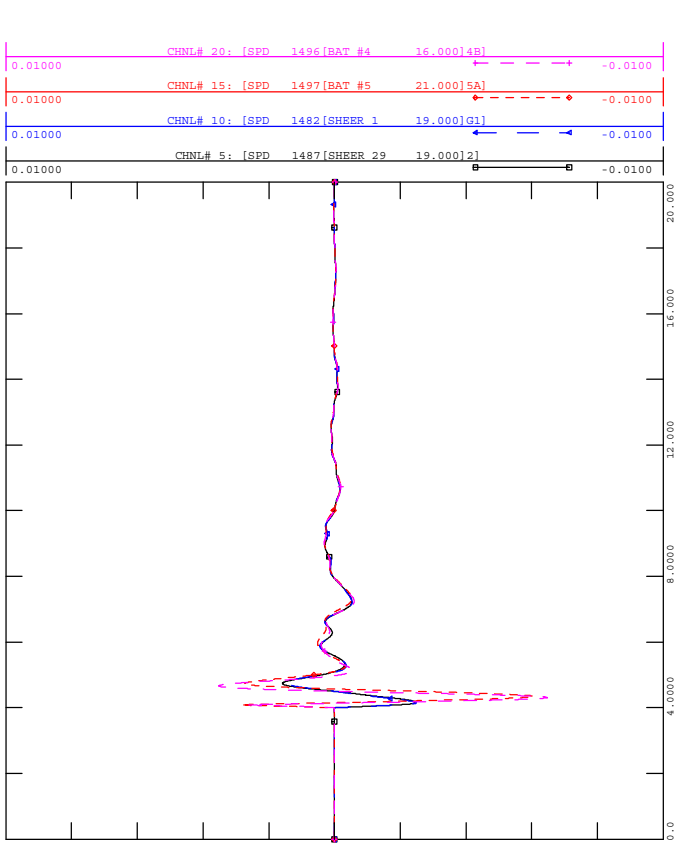
MON, NOV 28 2016 22:40

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -948L+1047L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L+1047L.out

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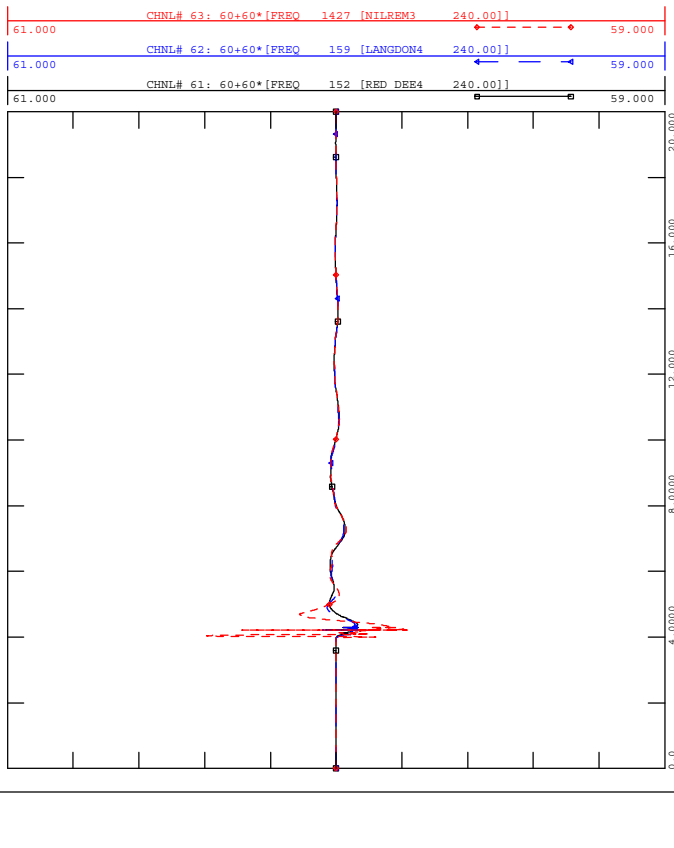
FREQUENCY



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C5-LLG -948L+1047L

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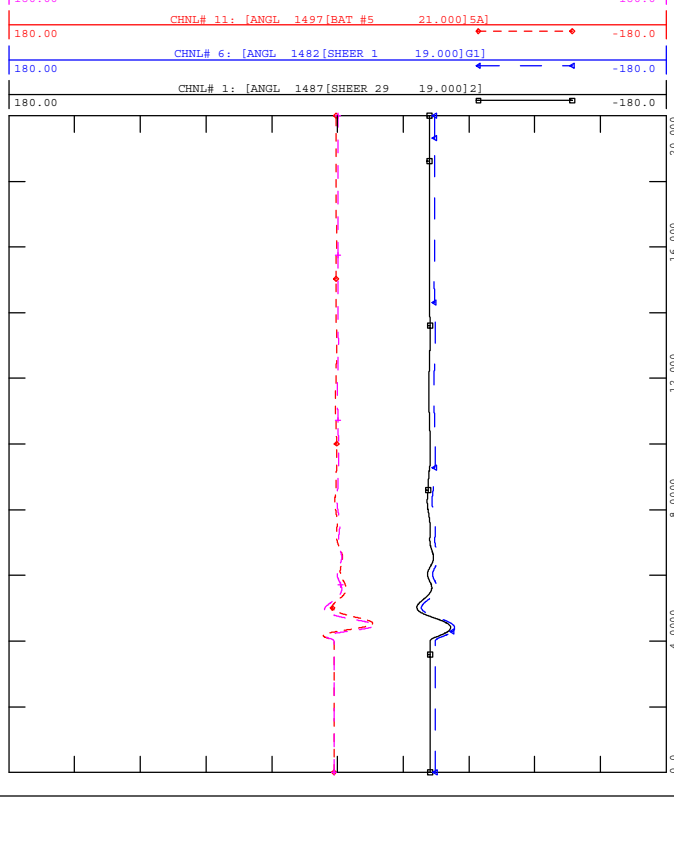
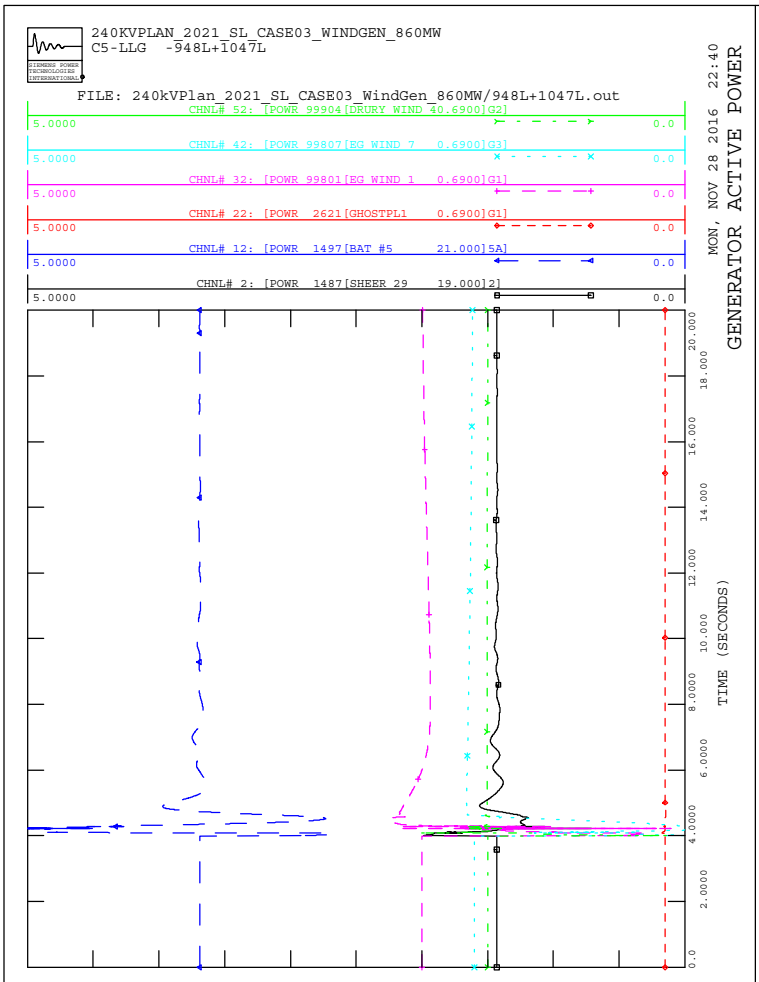
MON, NOV 28 2016 22:40

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -948L+1047L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L+1047L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
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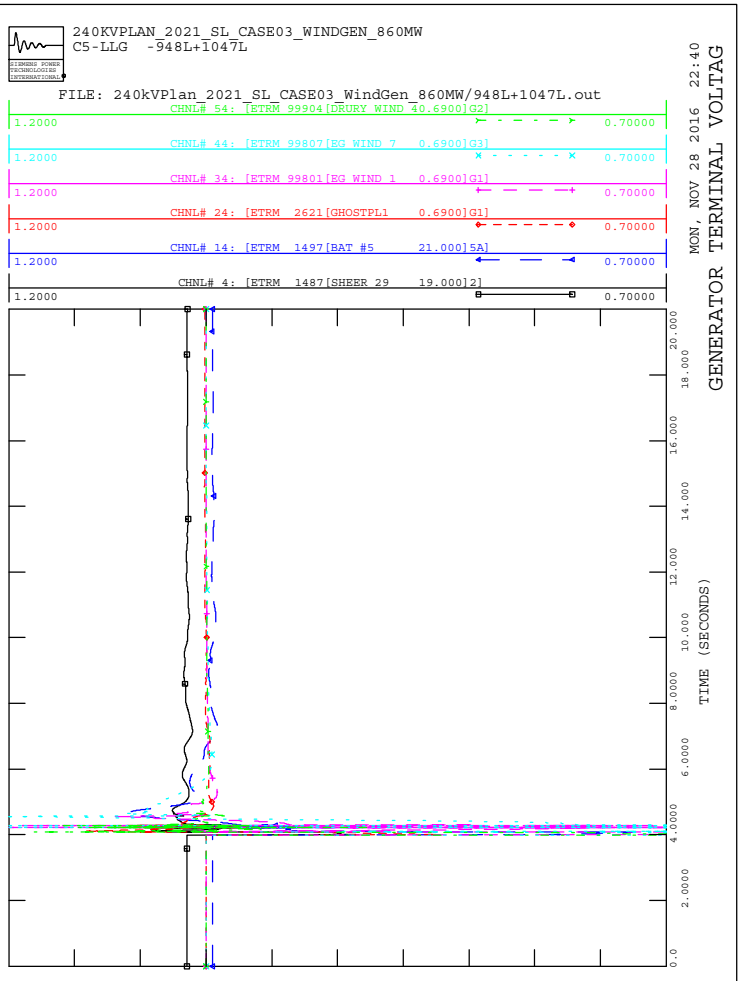
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C5-LLG -948L+1047L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L+1047L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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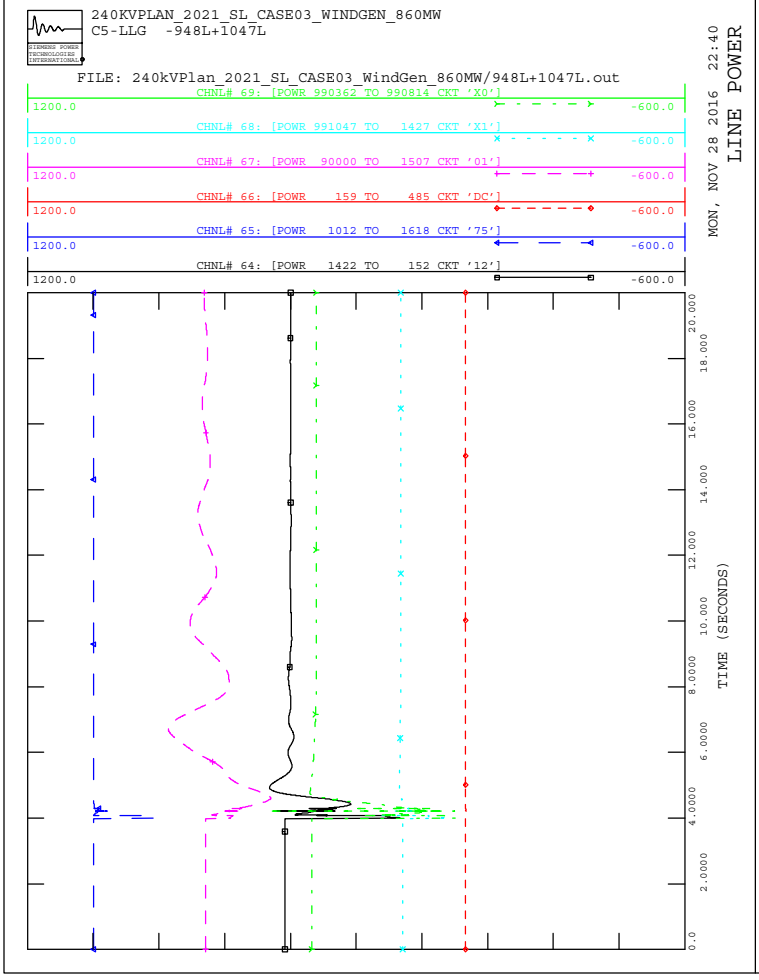
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -948L+1047L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L+1047L.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
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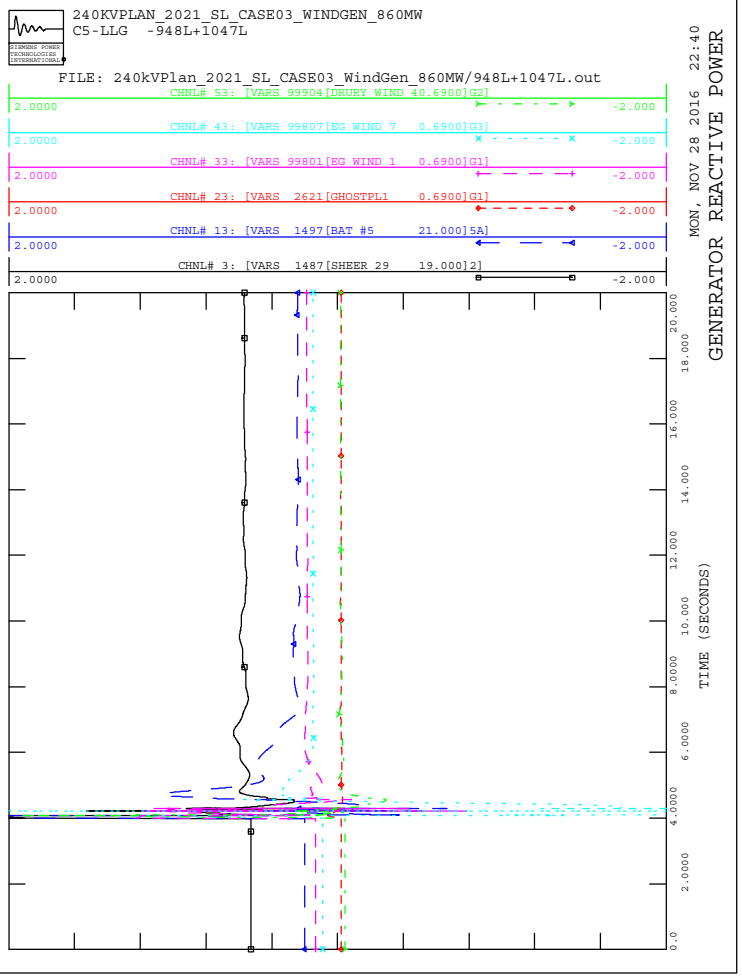
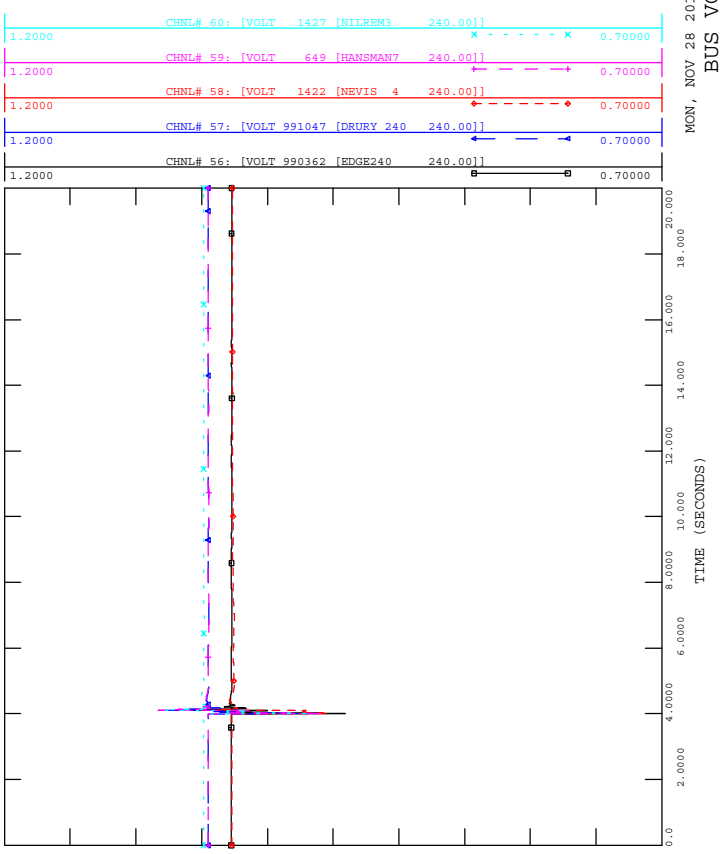

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -948L+1047L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L+1047L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L128+7L171

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L128+7L171.out

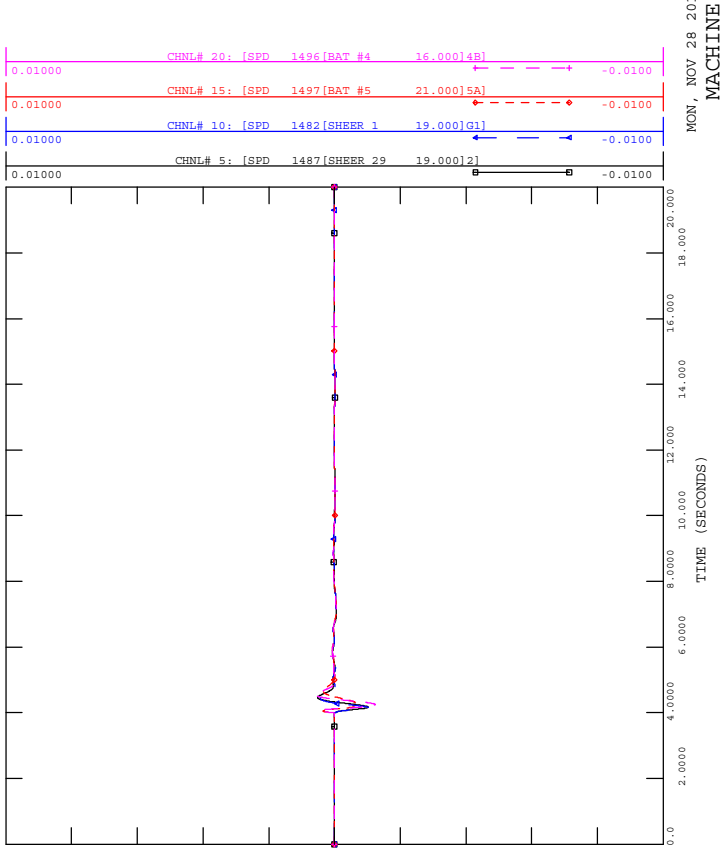


MON, NOV 28 2016 22:40

BUS VOLTAGE

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L128+7L171

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L128+7L171.out

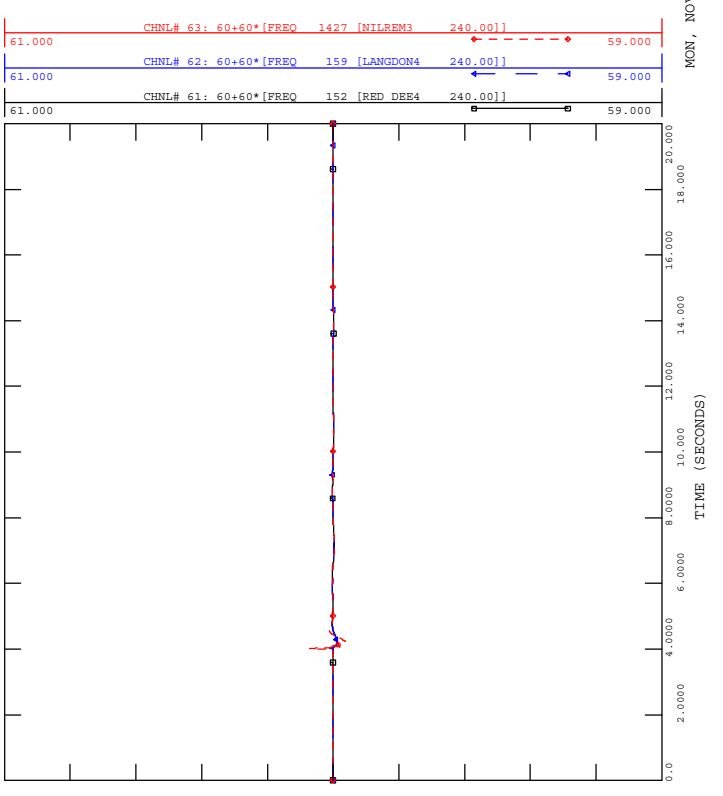


MON, NOV 28 2016 22:40

MACHINE SPEED

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L128+7L171

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L128+7L171.out

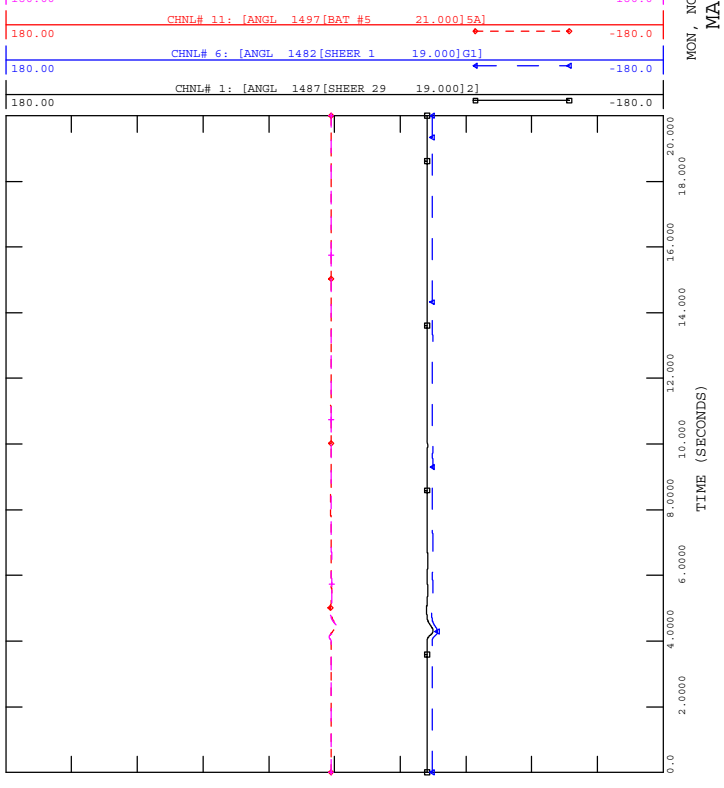


MON, NOV 28 2016 22:40

FREQUENCY

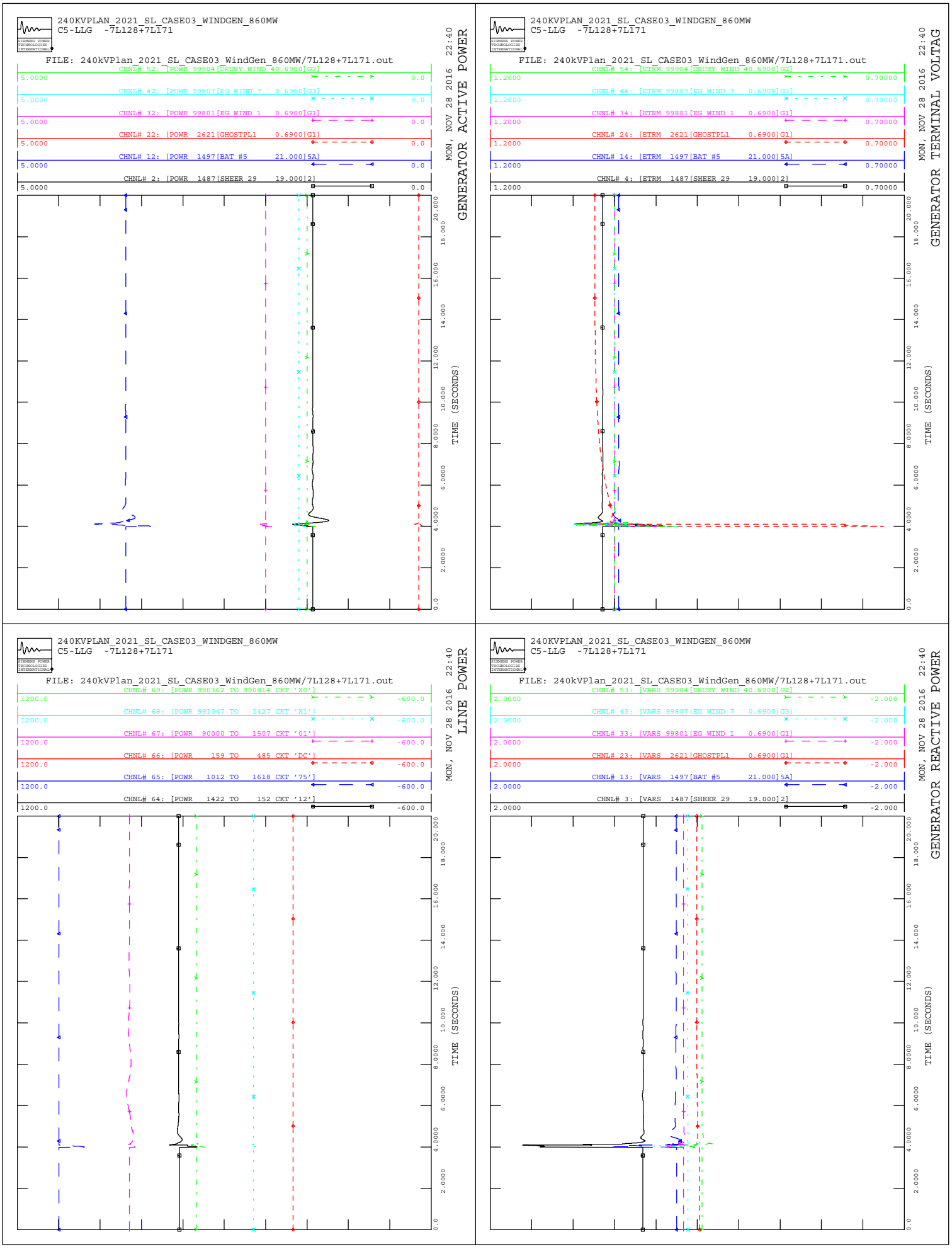
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L128+7L171

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L128+7L171.out



MON, NOV 28 2016 22:40

MACHINE ANGEL


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L128+7L171
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L128+7L171.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L128+7L171
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L128+7L171.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L128+7L171
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L128+7L171.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L128+7L171
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L128+7L171.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L16+7L159.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L16+7L159.out

MON, NOV 28 2016 22:40

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L16+7L159.out

MON, NOV 28 2016 22:40

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L16+7L159.out

MON, NOV 28 2016 22:40

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

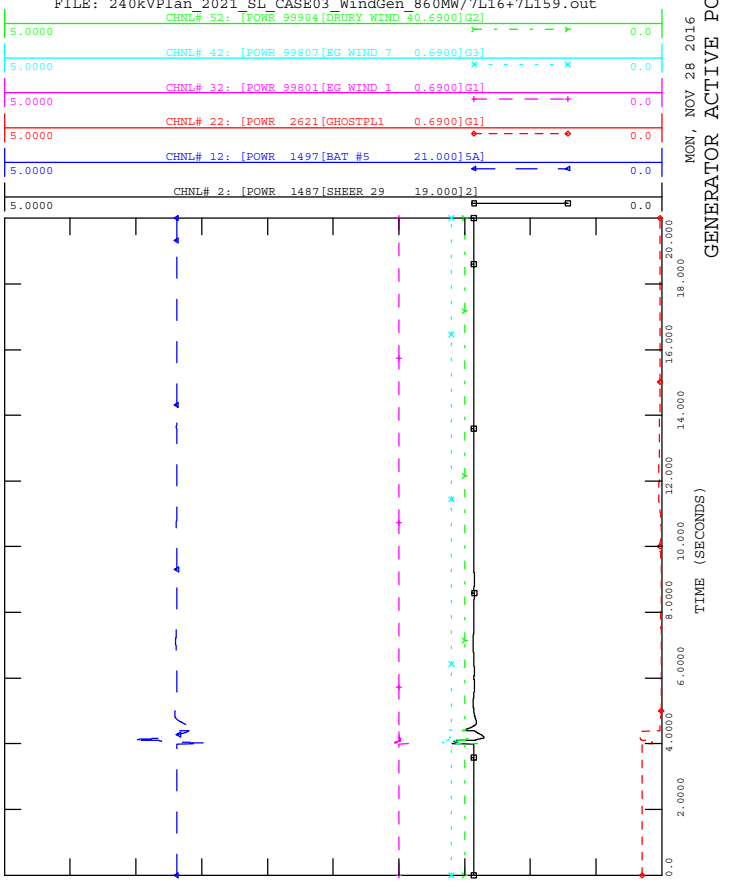
180.00 / -180.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L16+7L159

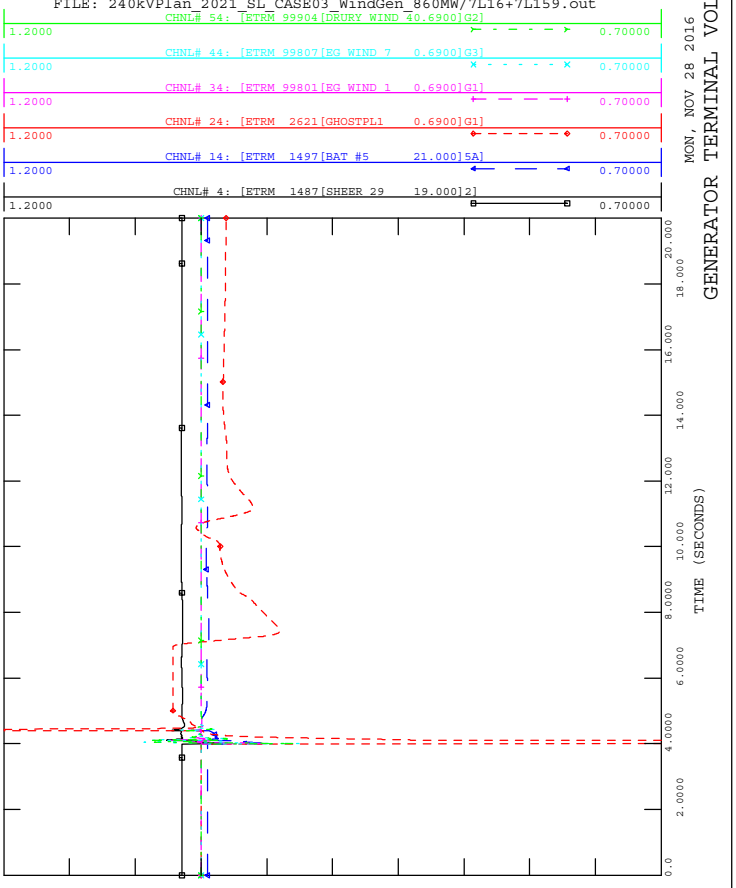
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L16+7L159.out



MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L16+7L159

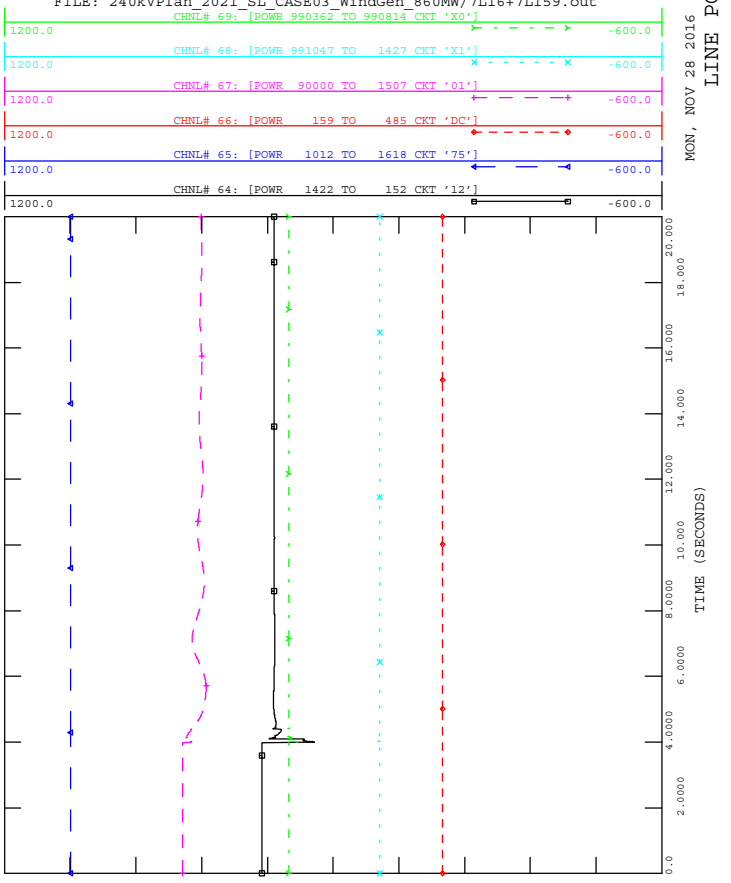
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L16+7L159.out



MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L16+7L159

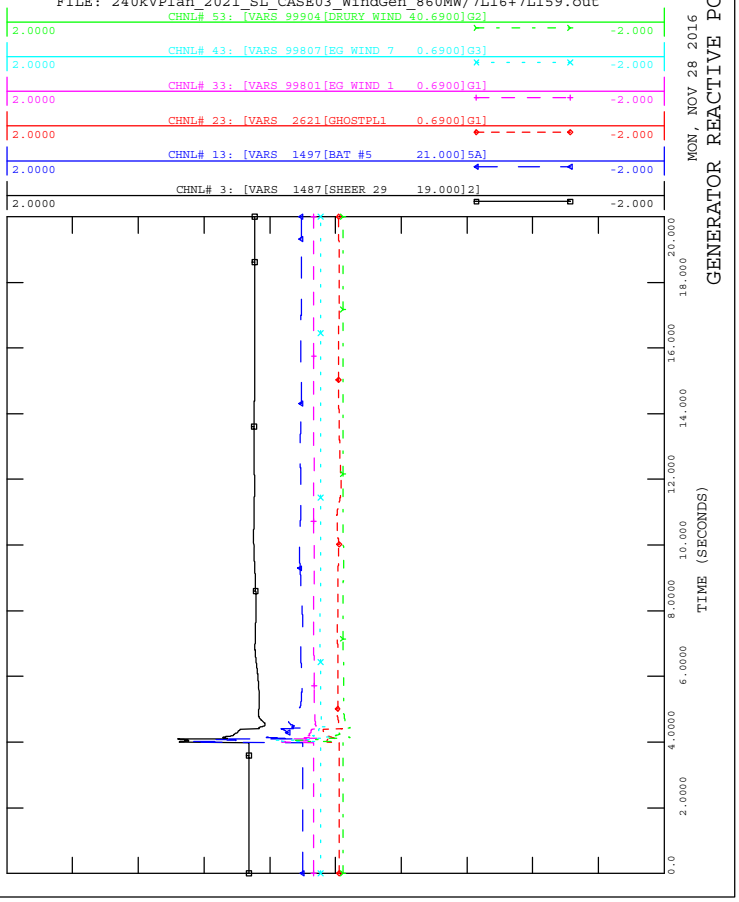
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L16+7L159.out



MON, NOV 28 2016 22:40
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L16+7L159.out



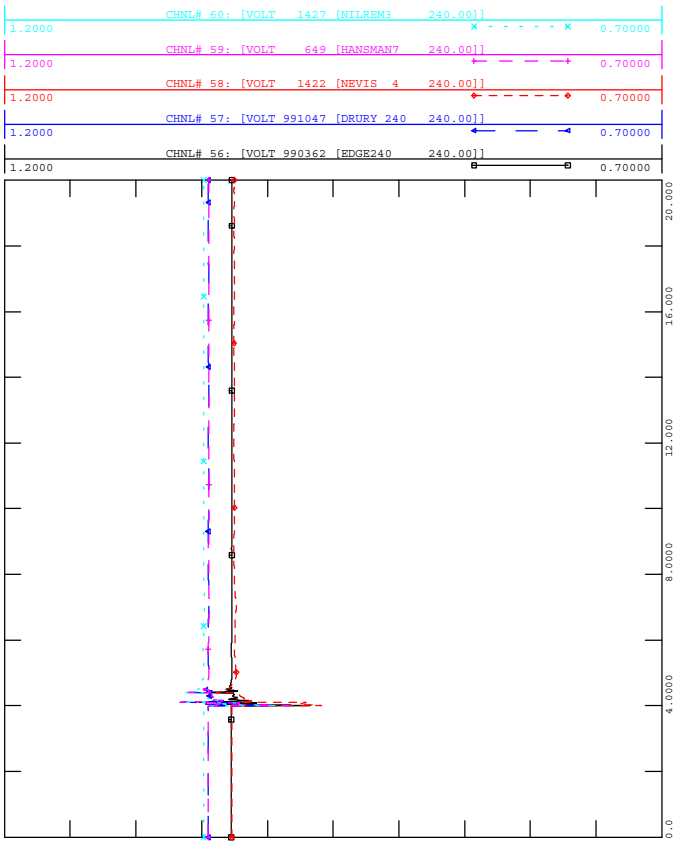
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L25+7L137

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L25+7L137.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

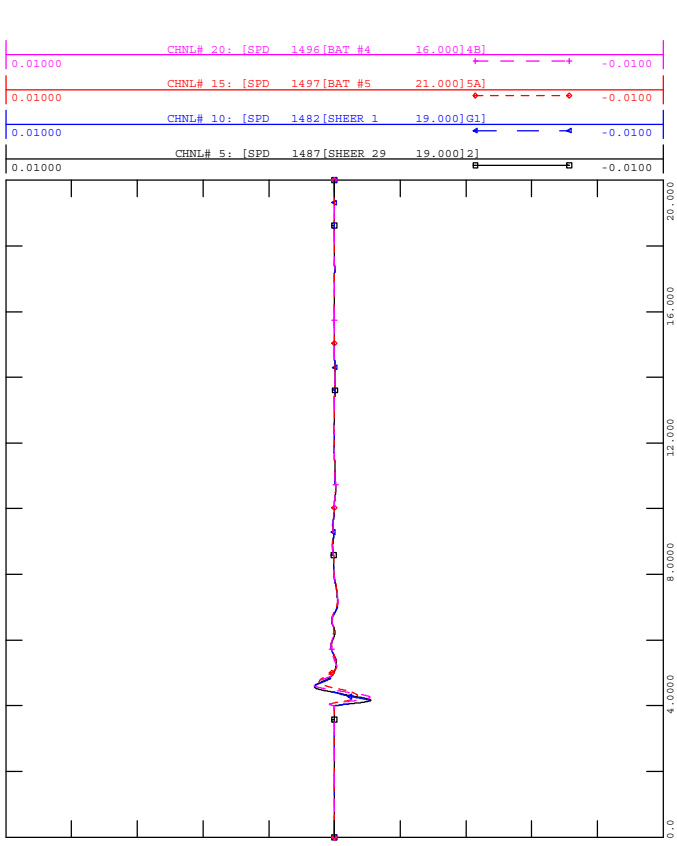


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L25+7L137

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L25+7L137.out

MON, NOV 28 2016 22:40

MACHINE SPEED

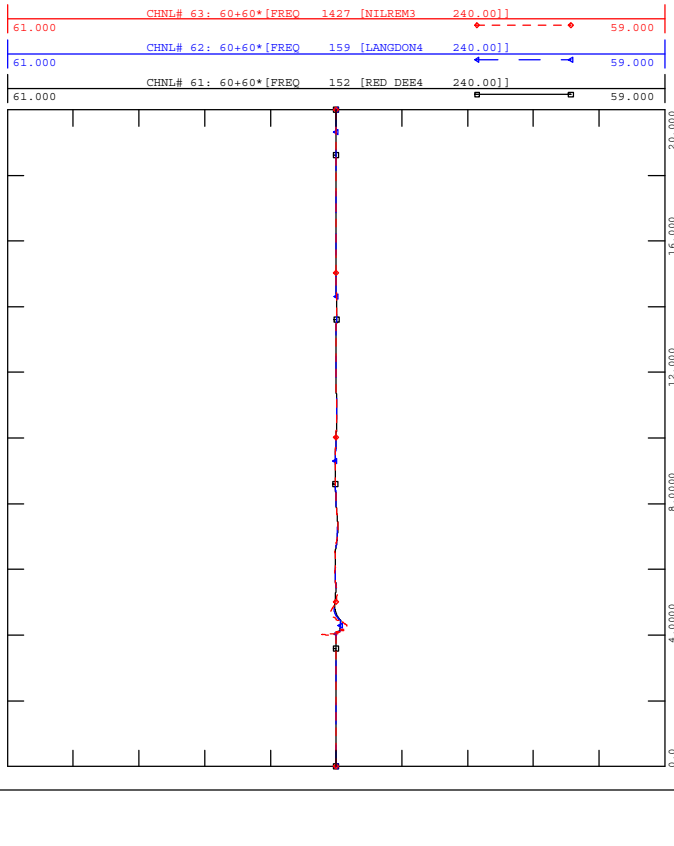


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L25+7L137

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L25+7L137.out

MON, NOV 28 2016 22:40

FREQUENCY

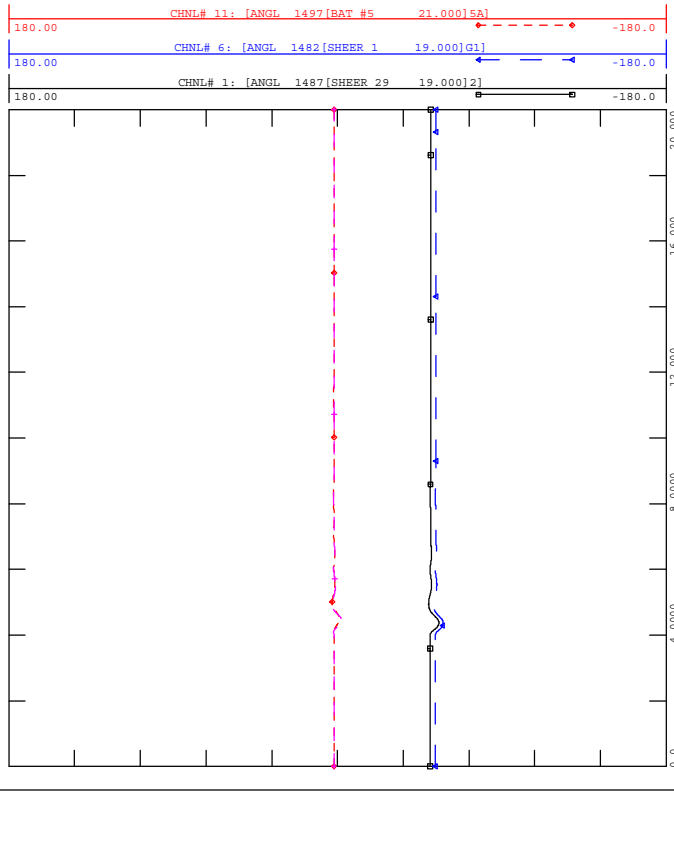


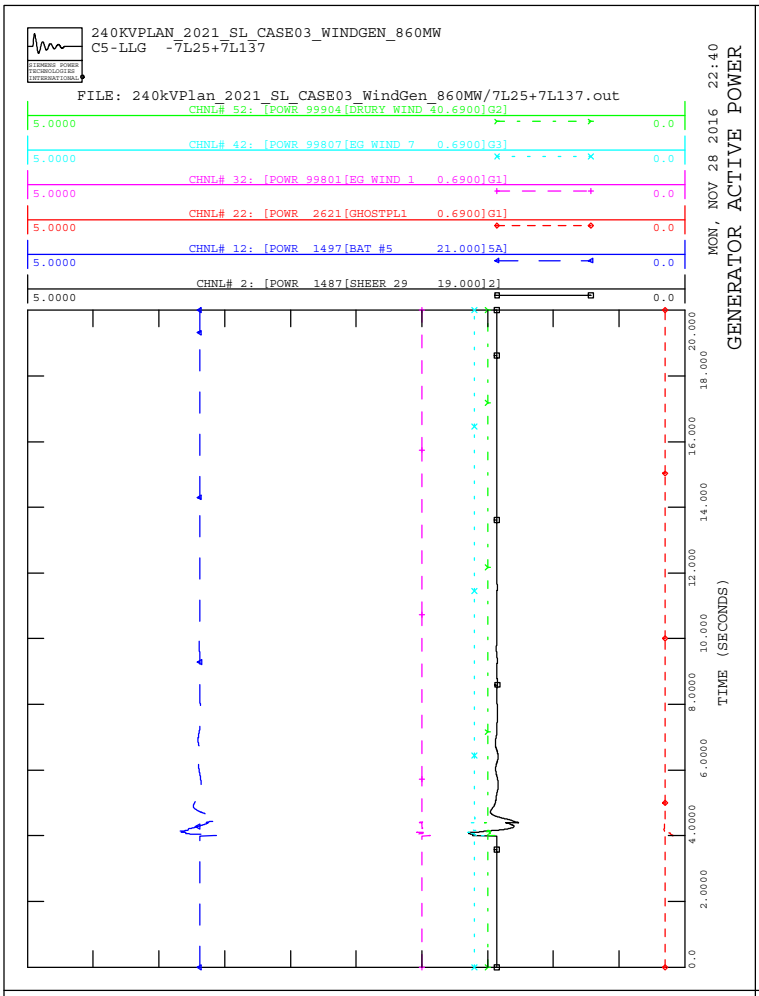
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L25+7L137

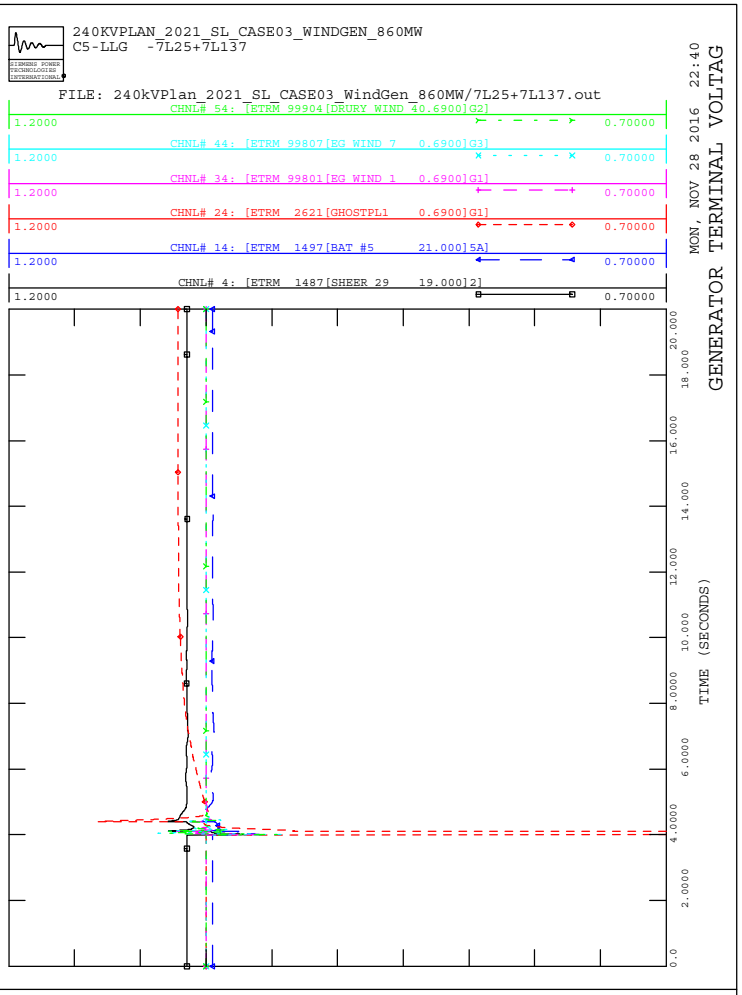
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L25+7L137.out

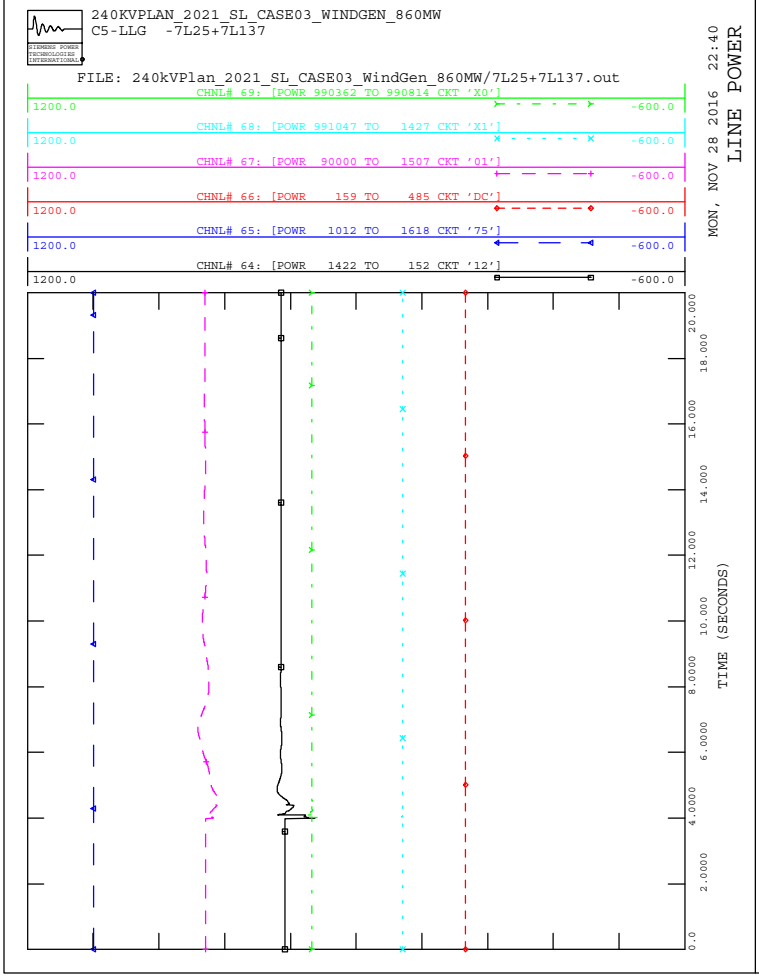
MON, NOV 28 2016 22:40

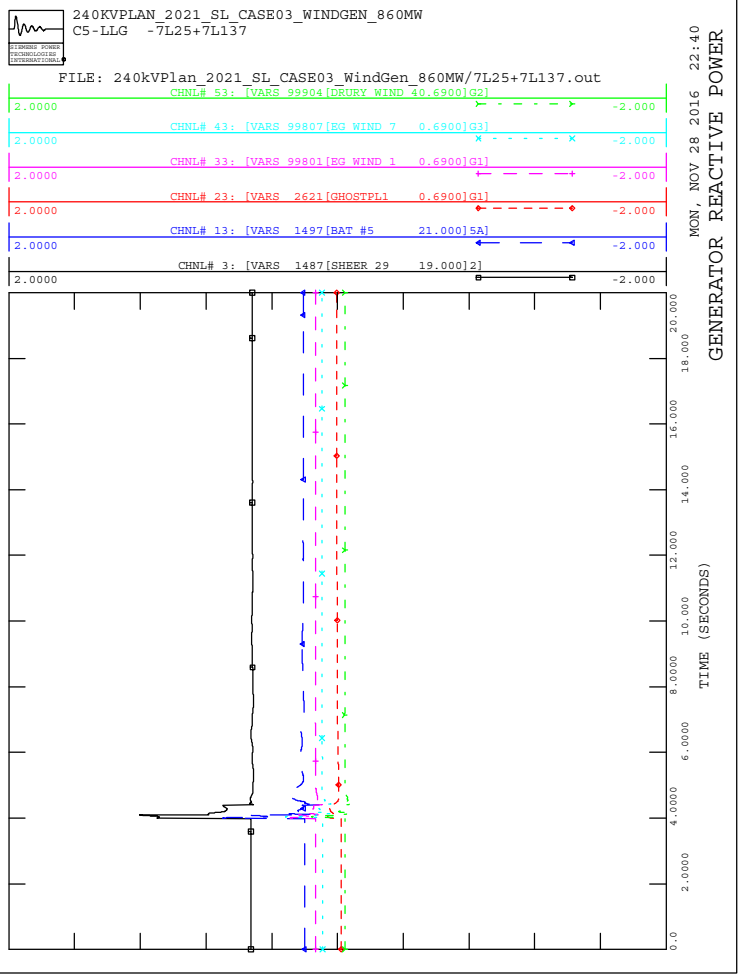
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L25+7L137
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L25+7L137.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER

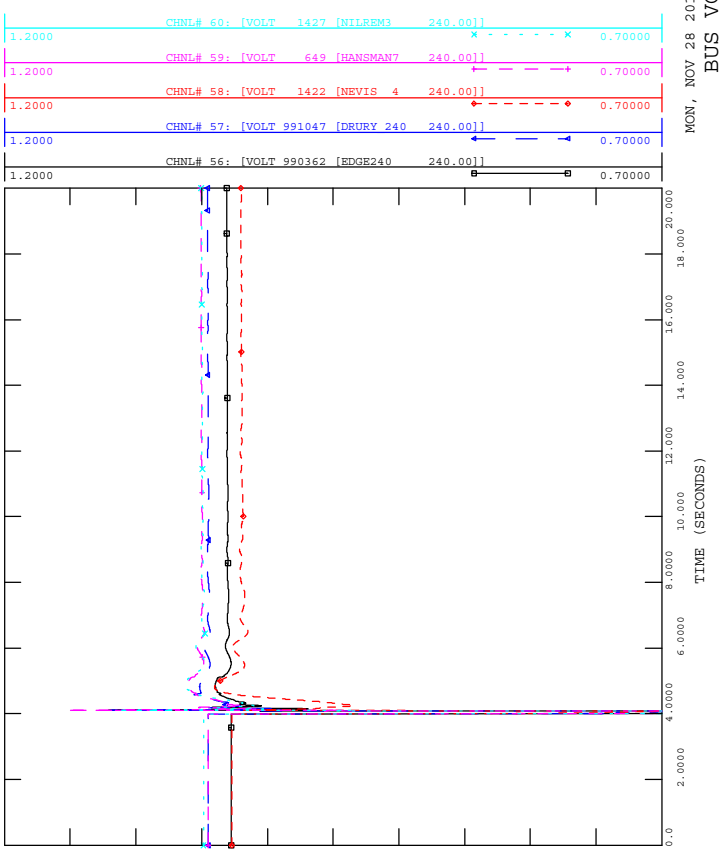

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L25+7L137
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L25+7L137.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L25+7L137
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L25+7L137.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:40
LINE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -7L25+7L137
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L25+7L137.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L70+9L97

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70+9L97.out

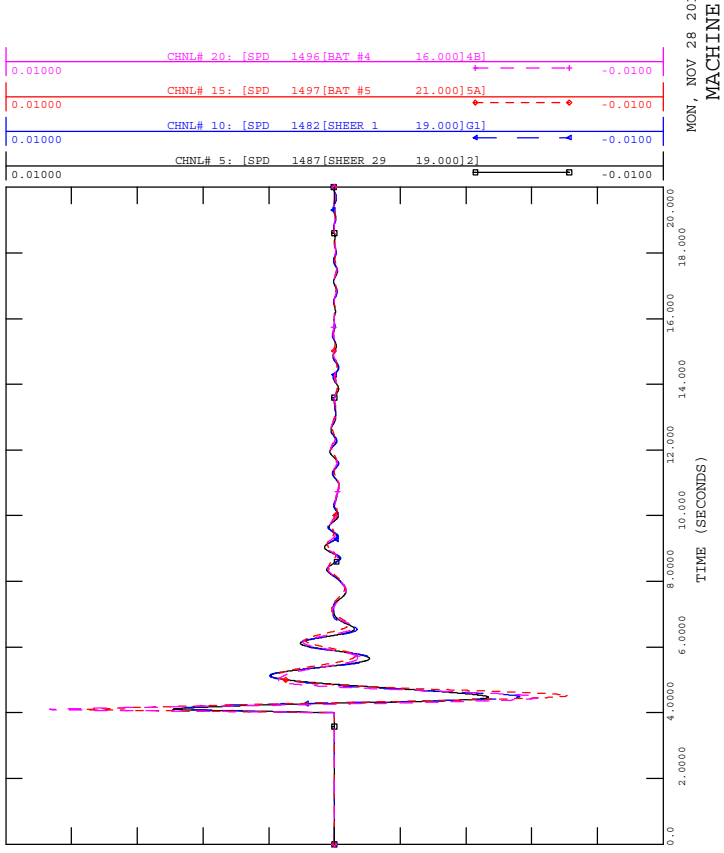


MON, NOV 28 2016 22:40

BUS VOLTAGE

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L70+9L97

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70+9L97.out

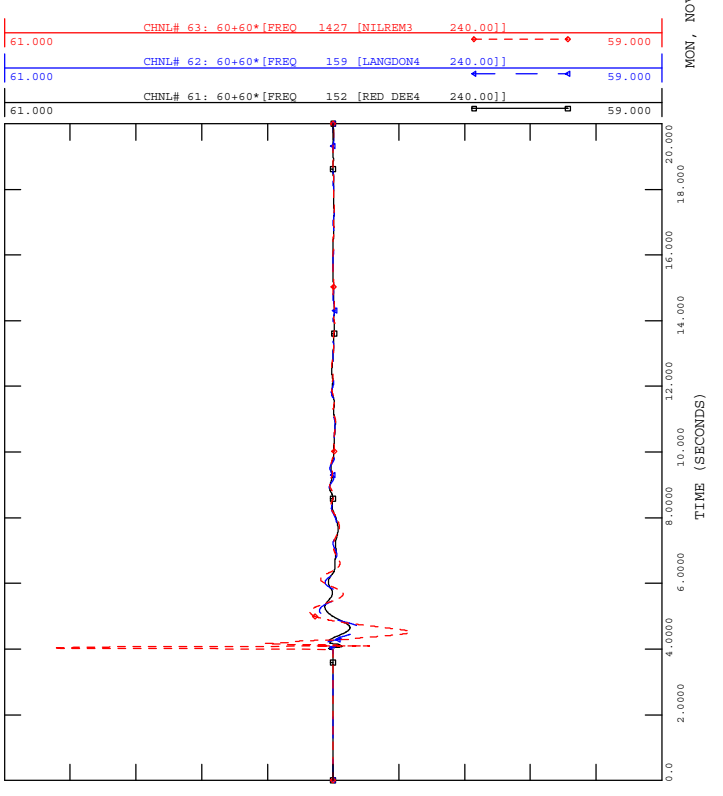


MON, NOV 28 2016 22:40

MACHINE SPEED

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L70+9L97

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70+9L97.out

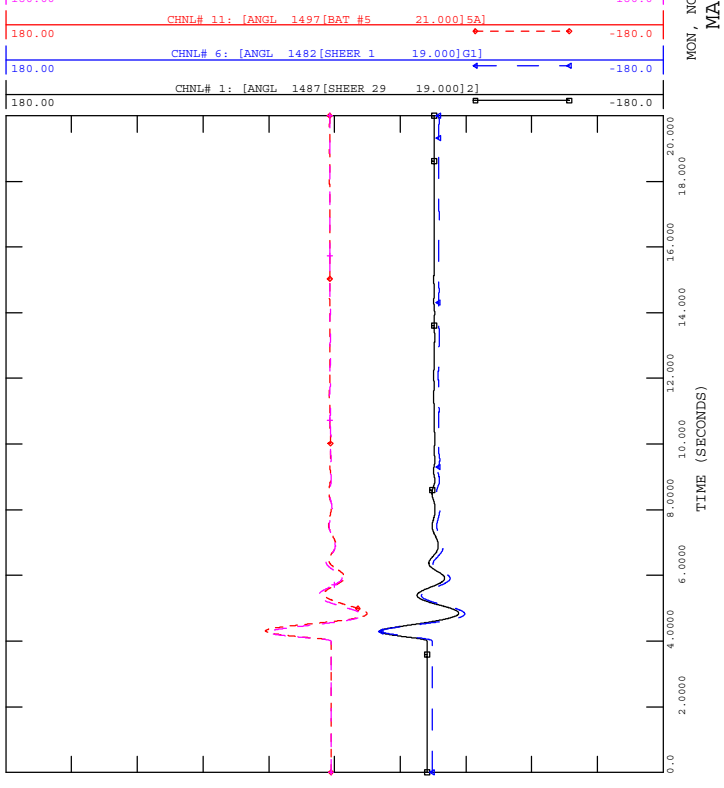


MON, NOV 28 2016 22:40

FREQUENCY

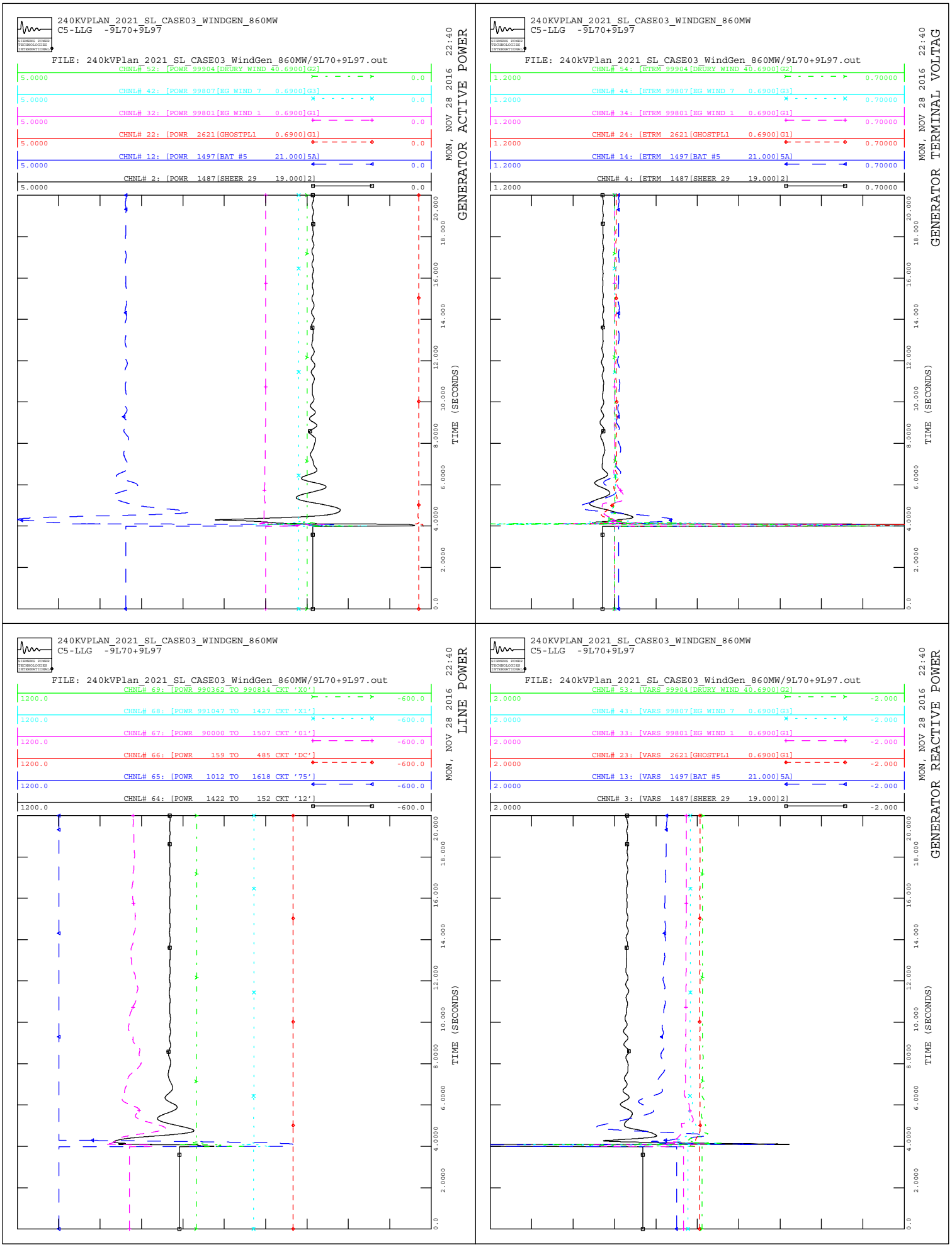
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L70+9L97

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70+9L97.out



MON, NOV 28 2016 22:40

MACHINE ANGEL

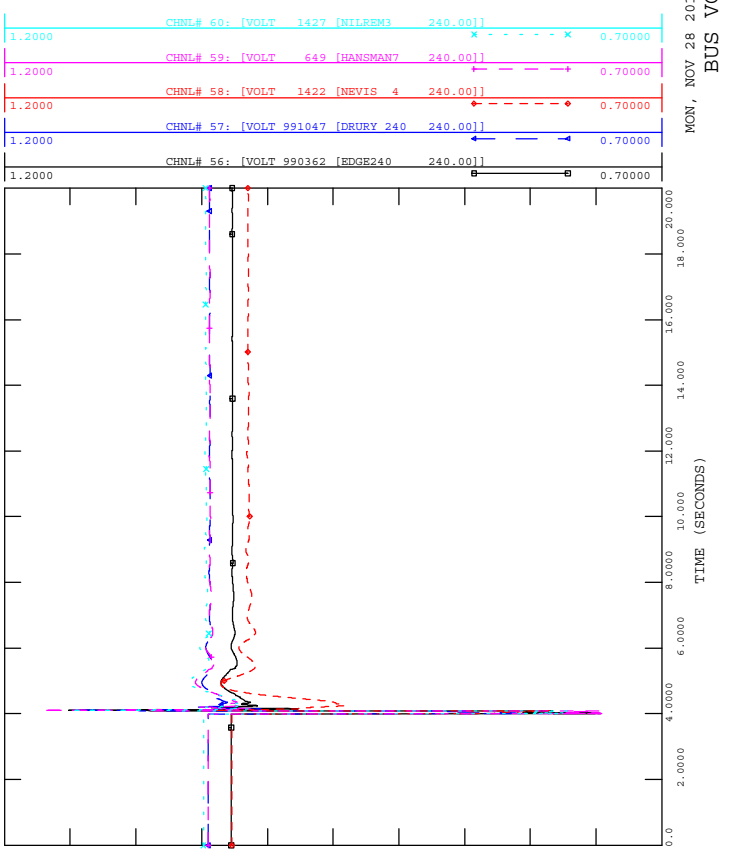

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L70+9L97
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70+9L97.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L70+9L97
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70+9L97.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L70+9L97
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70+9L97.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -9L70+9L97
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L70+9L97.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -933L+934L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/933L+934L.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

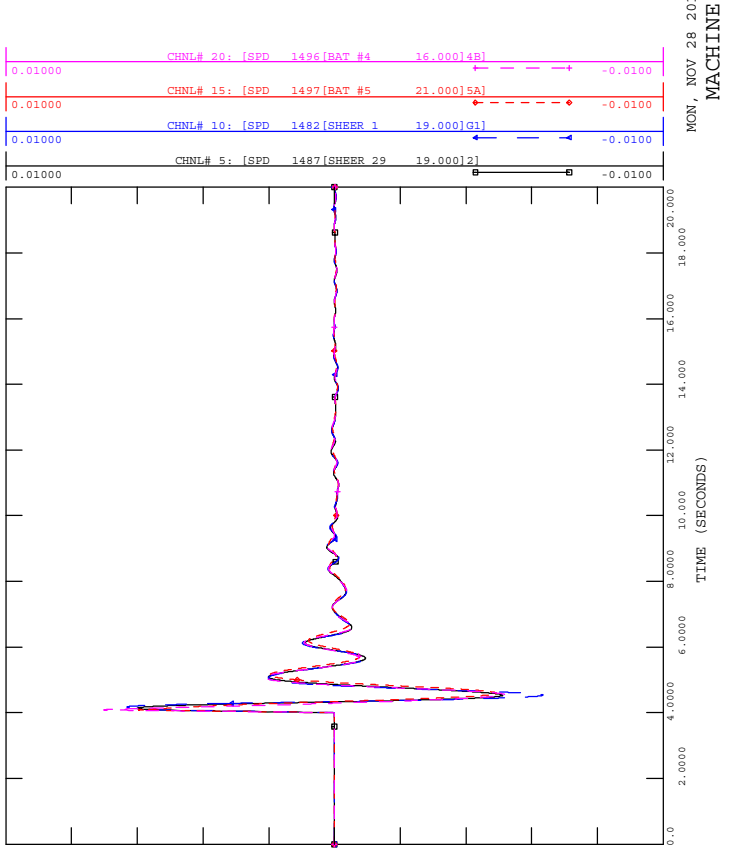


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -933L+934L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/933L+934L.out

MON, NOV 28 2016 22:40

MACHINE SPEED

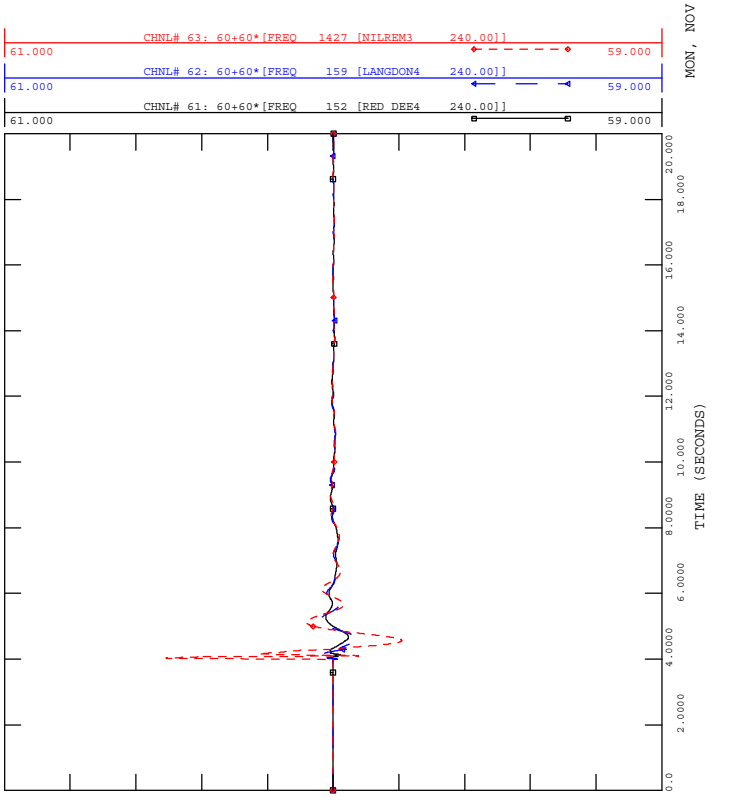


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -933L+934L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/933L+934L.out

MON, NOV 28 2016 22:40

FREQUENCY

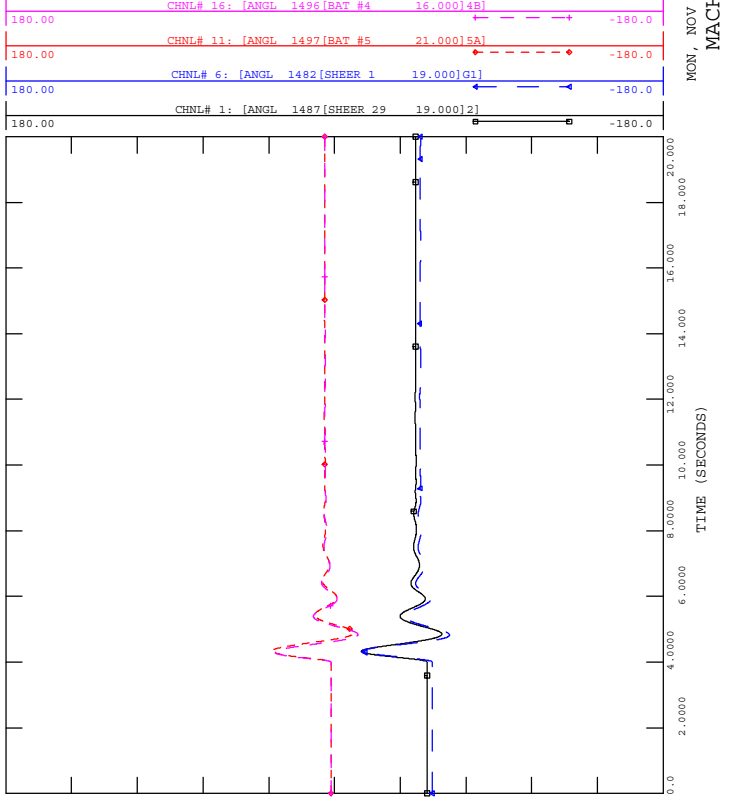


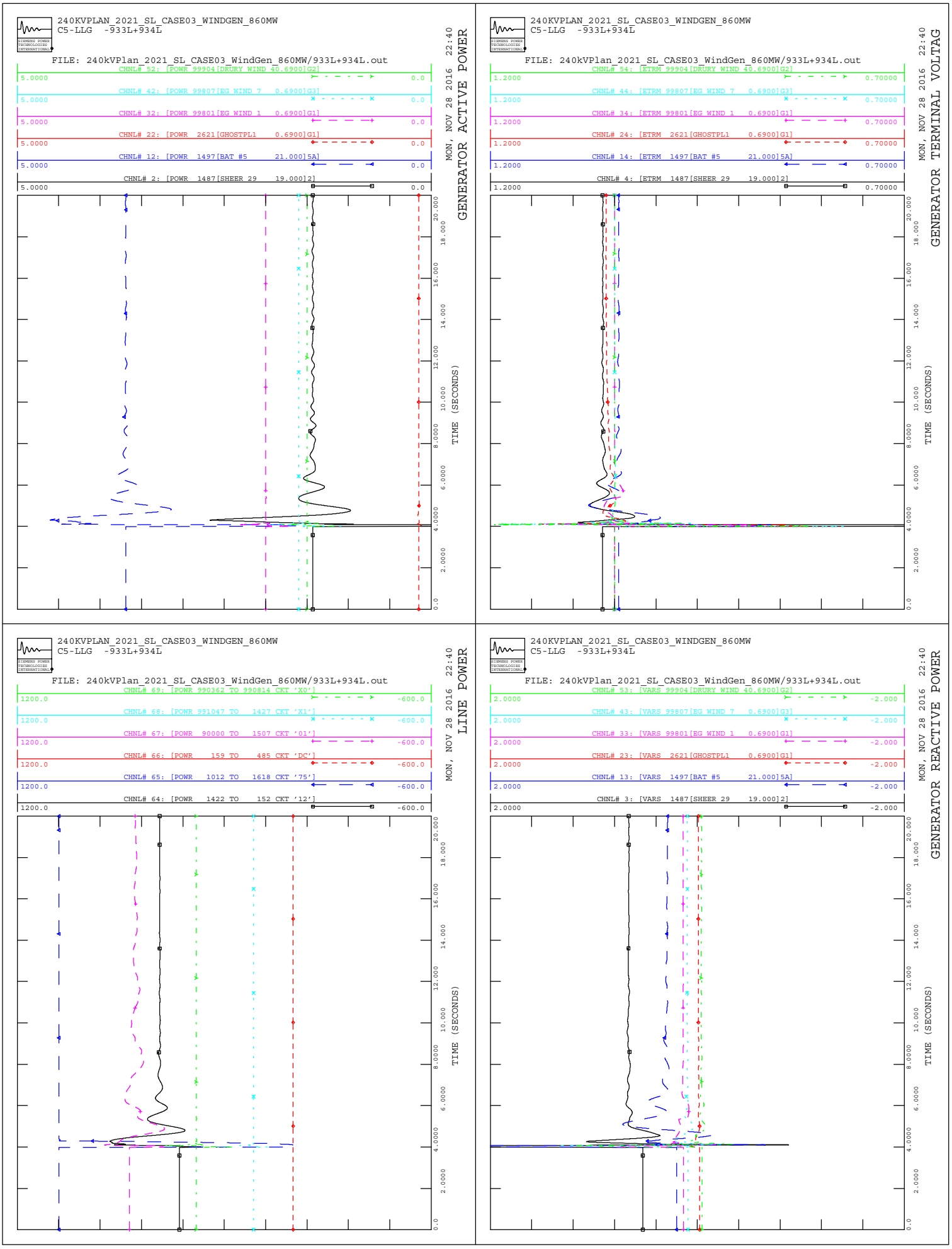
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -933L+934L

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/933L+934L.out

MON, NOV 28 2016 22:40

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -933L+934L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/933L+934L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -933L+934L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/933L+934L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -933L+934L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/933L+934L.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C5-LLG -933L+934L
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/933L+934L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Winter Peak

Category C5 (Line-to-line-to-ground Fault)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L14+7L130

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14+7L130.out

MON, NOV 28 2016 22:40

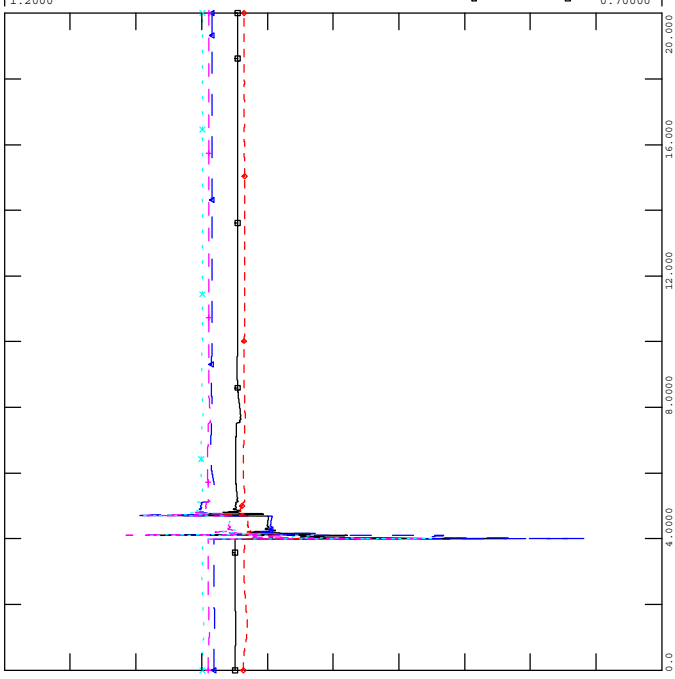
BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L14+7L130

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14+7L130.out

MON, NOV 28 2016 22:40

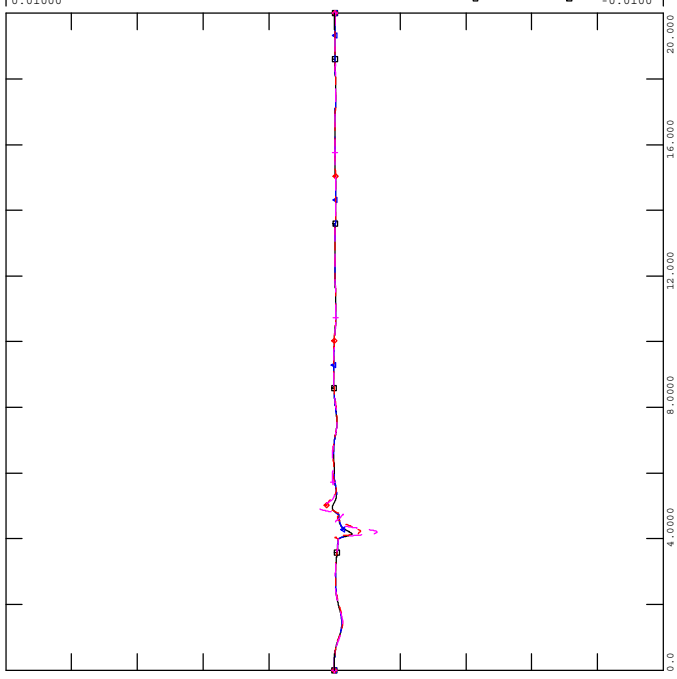
MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L14+7L130

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14+7L130.out

MON, NOV 28 2016 22:40

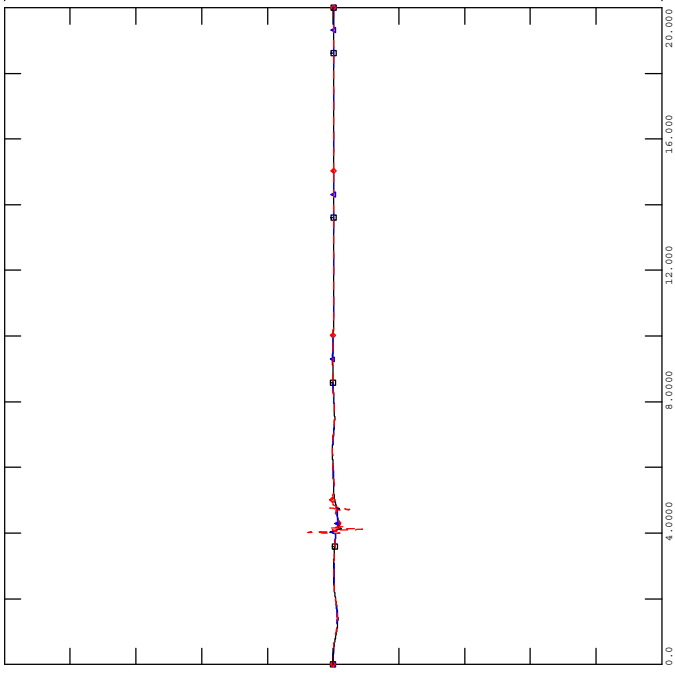
FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L14+7L130

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14+7L130.out

MON, NOV 28 2016 22:40

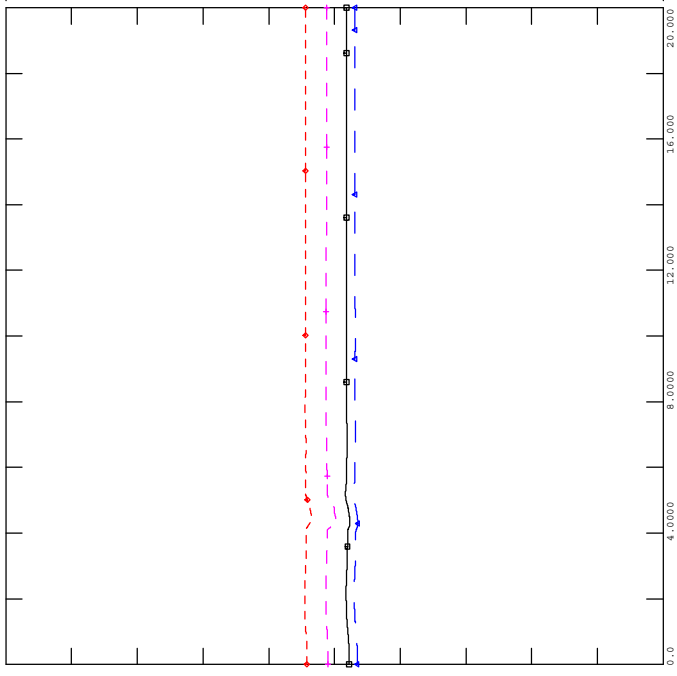
MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

180.00 / -180.0

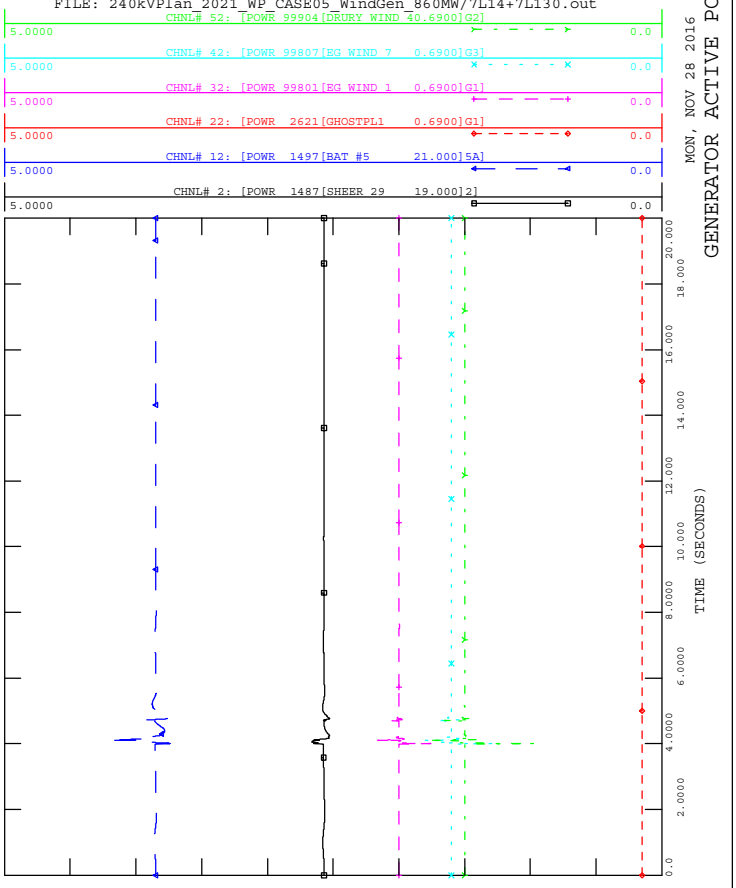
TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L14+7L130

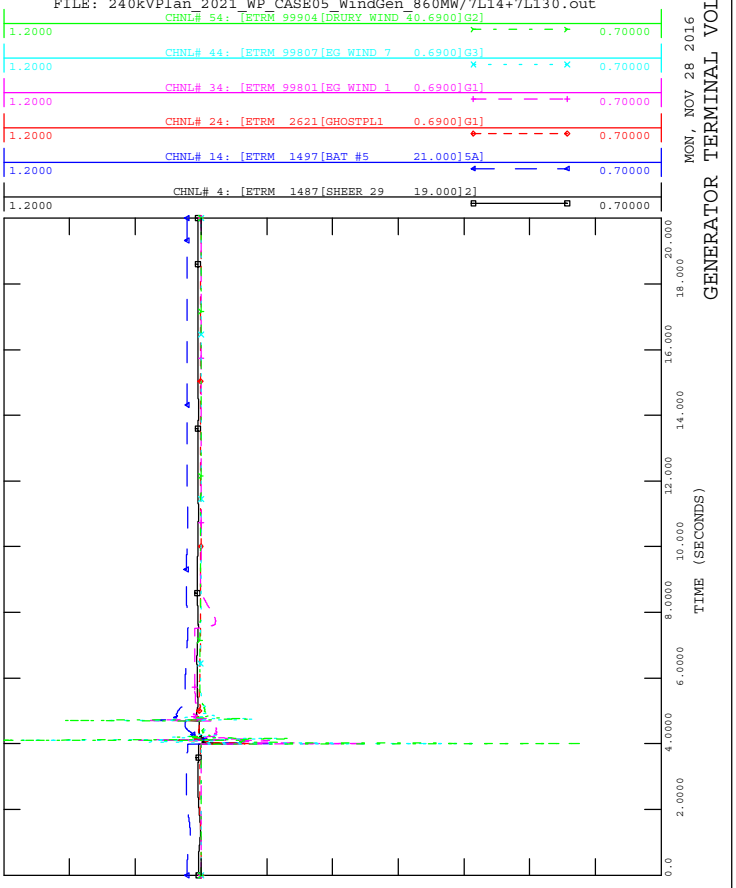
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14+7L130.out



MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L14+7L130

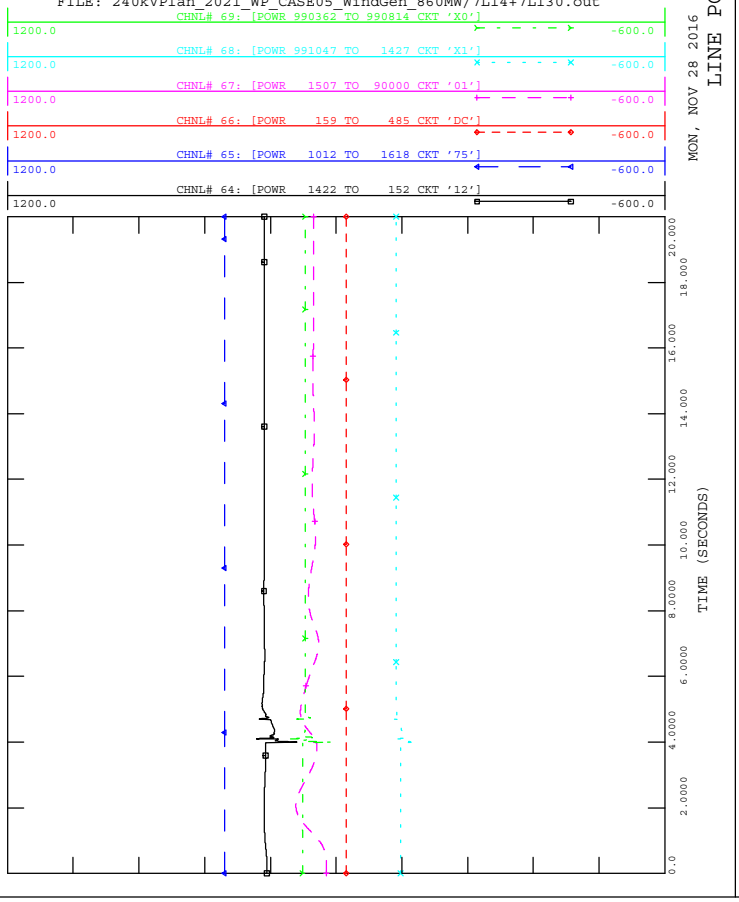
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14+7L130.out



MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L14+7L130

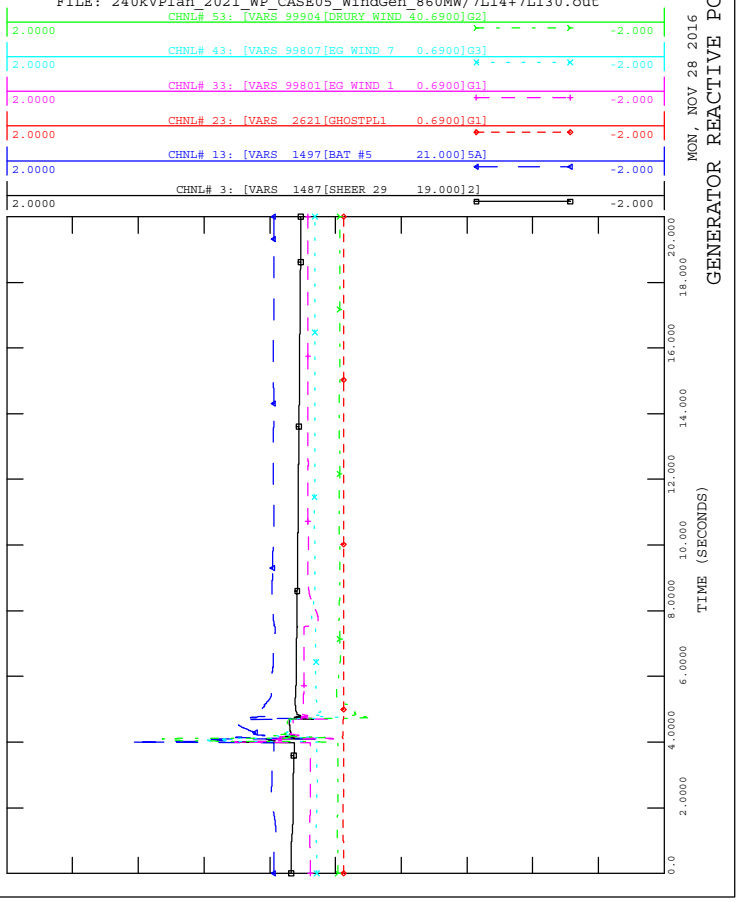
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14+7L130.out



MON, NOV 28 2016 22:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L14+7L130

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L14+7L130.out



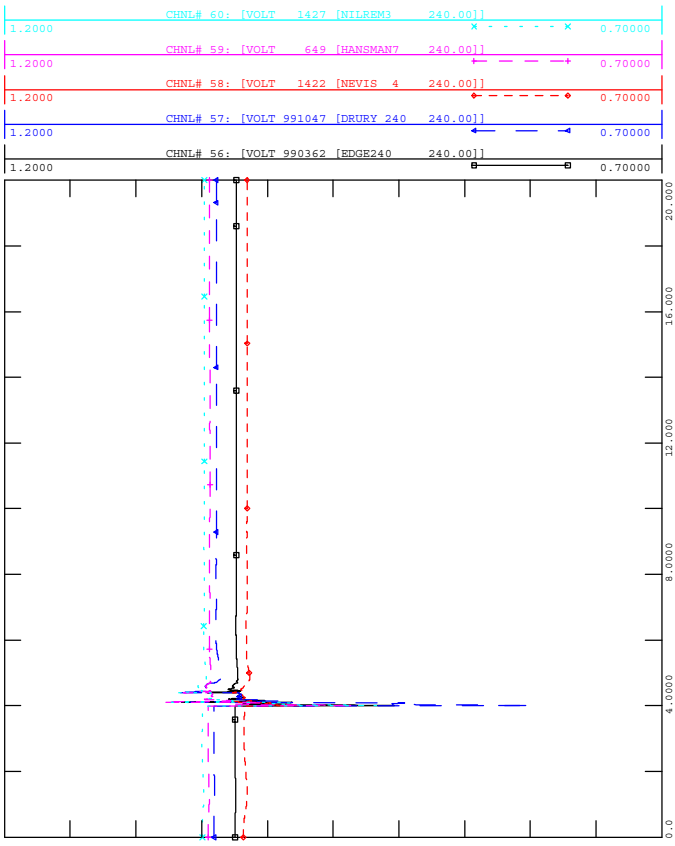
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L117+7L53

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117+7L53.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

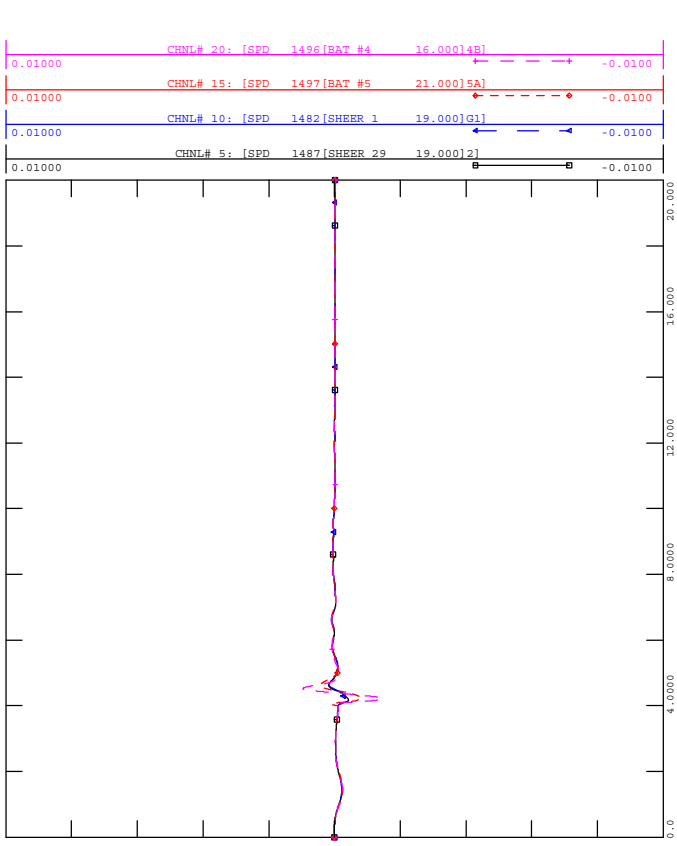


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L117+7L53

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117+7L53.out

MON, NOV 28 2016 22:40

MACHINE SPEED

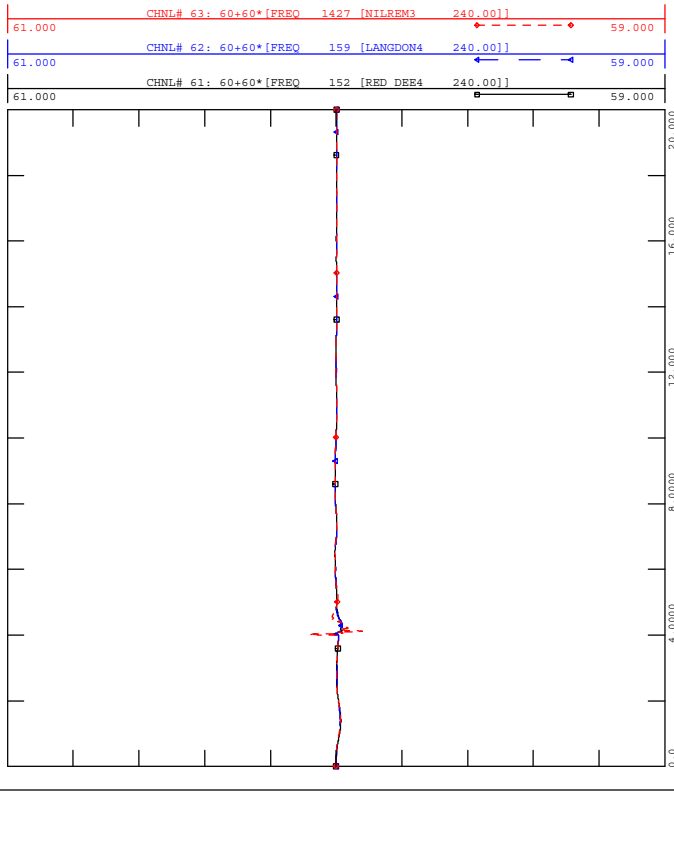


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L117+7L53

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117+7L53.out

MON, NOV 28 2016 22:40

FREQUENCY

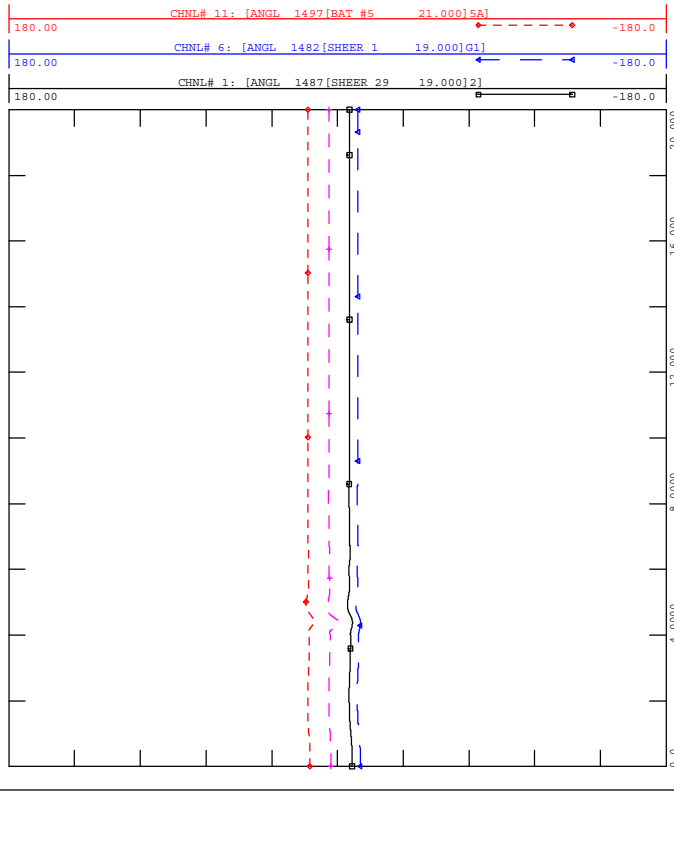


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L117+7L53

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117+7L53.out

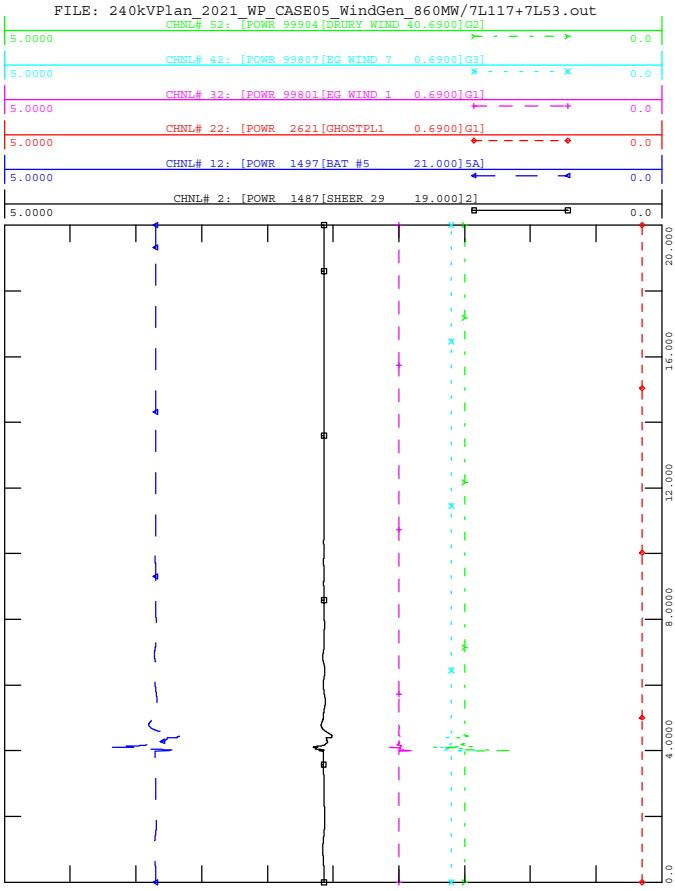
MON, NOV 28 2016 22:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L117+7L53

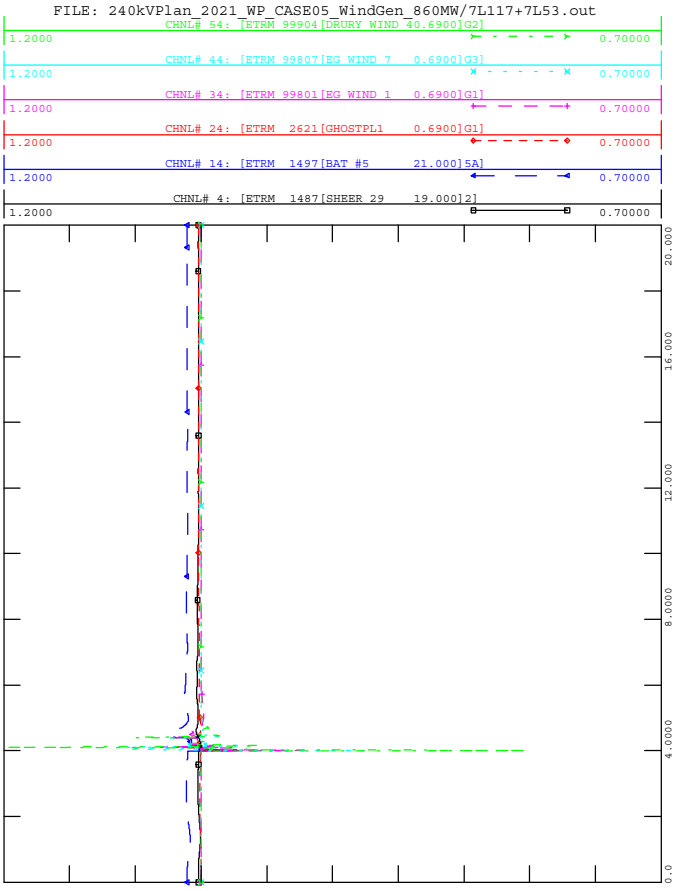
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117+7L53.out



MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L117+7L53

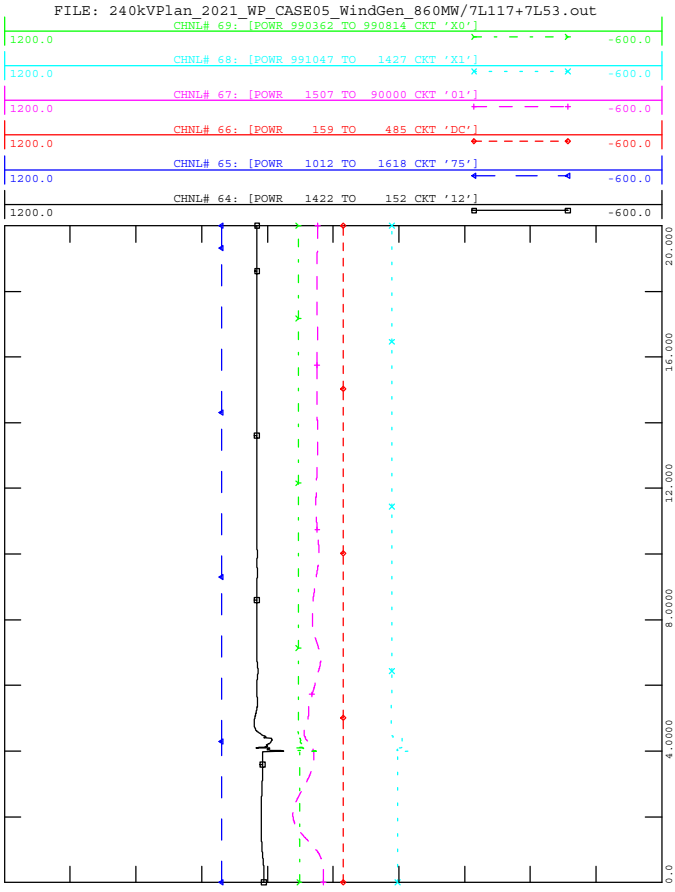
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117+7L53.out



MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L117+7L53

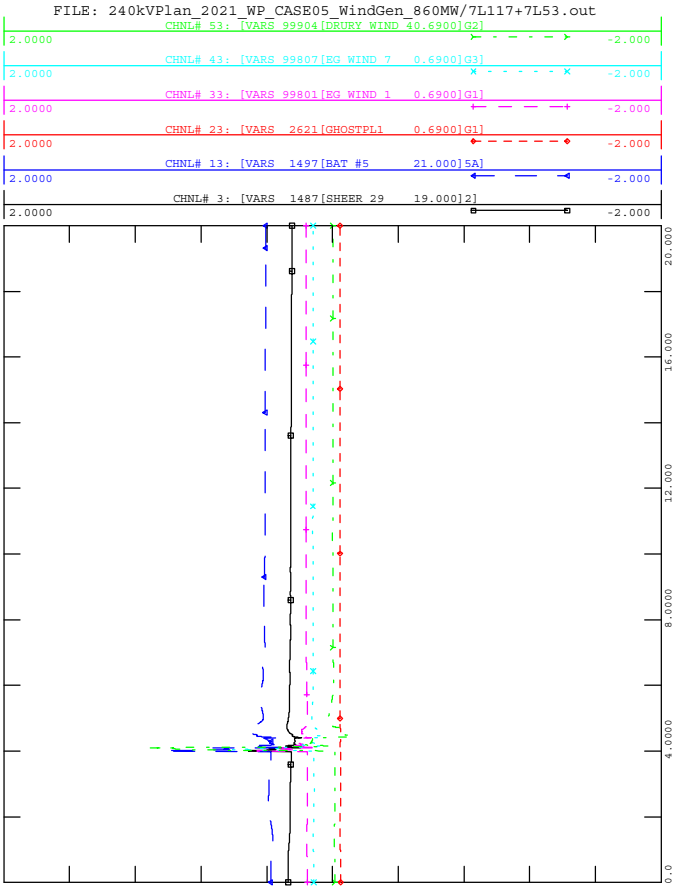
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117+7L53.out



MON, NOV 28 2016 22:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L117+7L53

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117+7L53.out



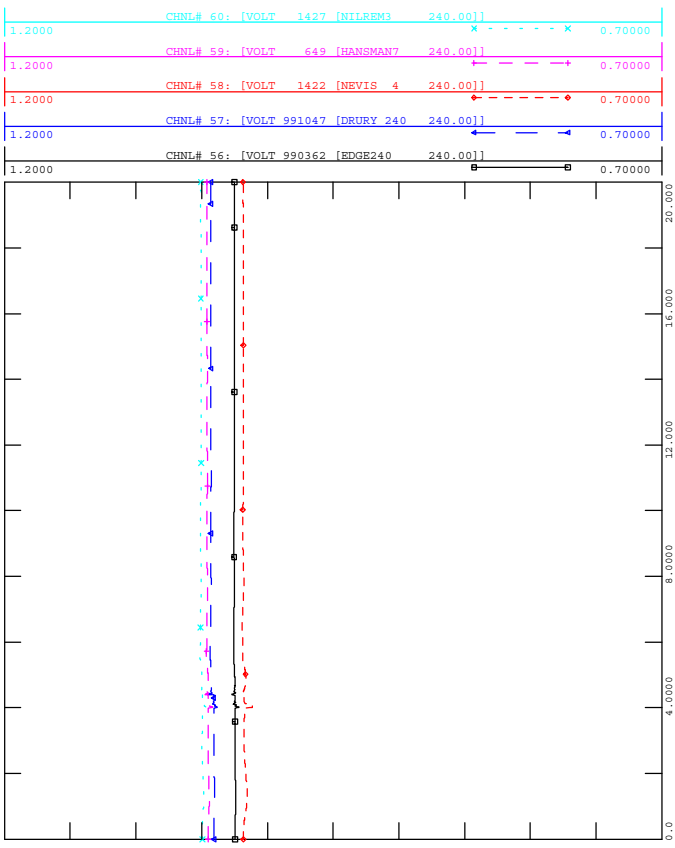
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L53+7L70

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L53+7L70.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

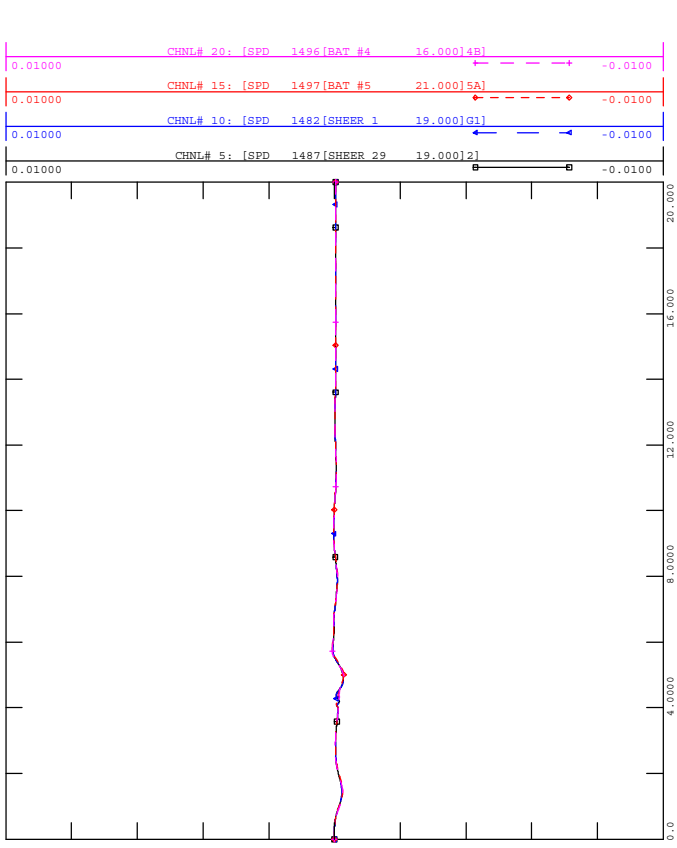


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L53+7L70

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L53+7L70.out

MON, NOV 28 2016 22:40

MACHINE SPEED

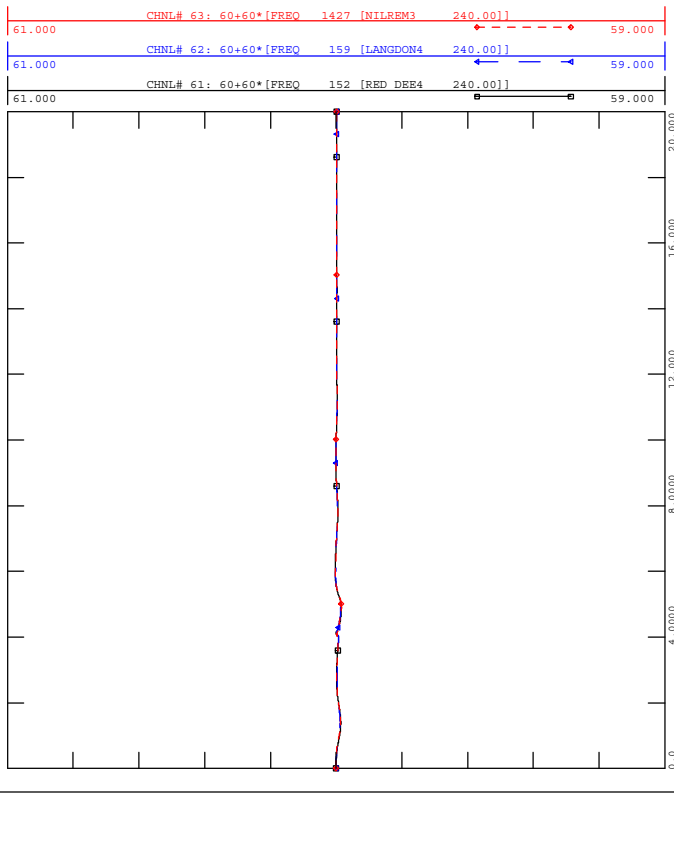


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L53+7L70

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L53+7L70.out

MON, NOV 28 2016 22:40

FREQUENCY

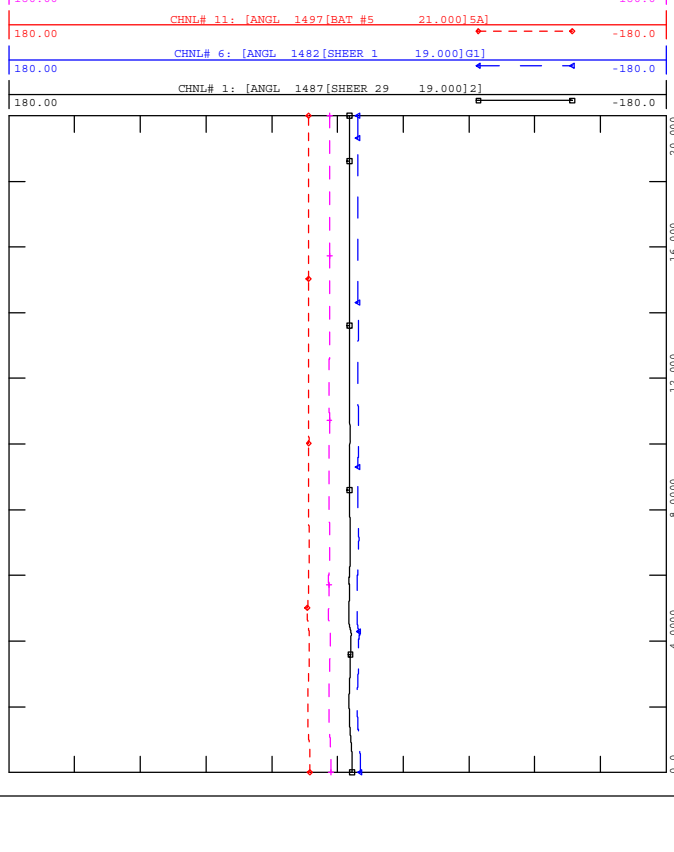


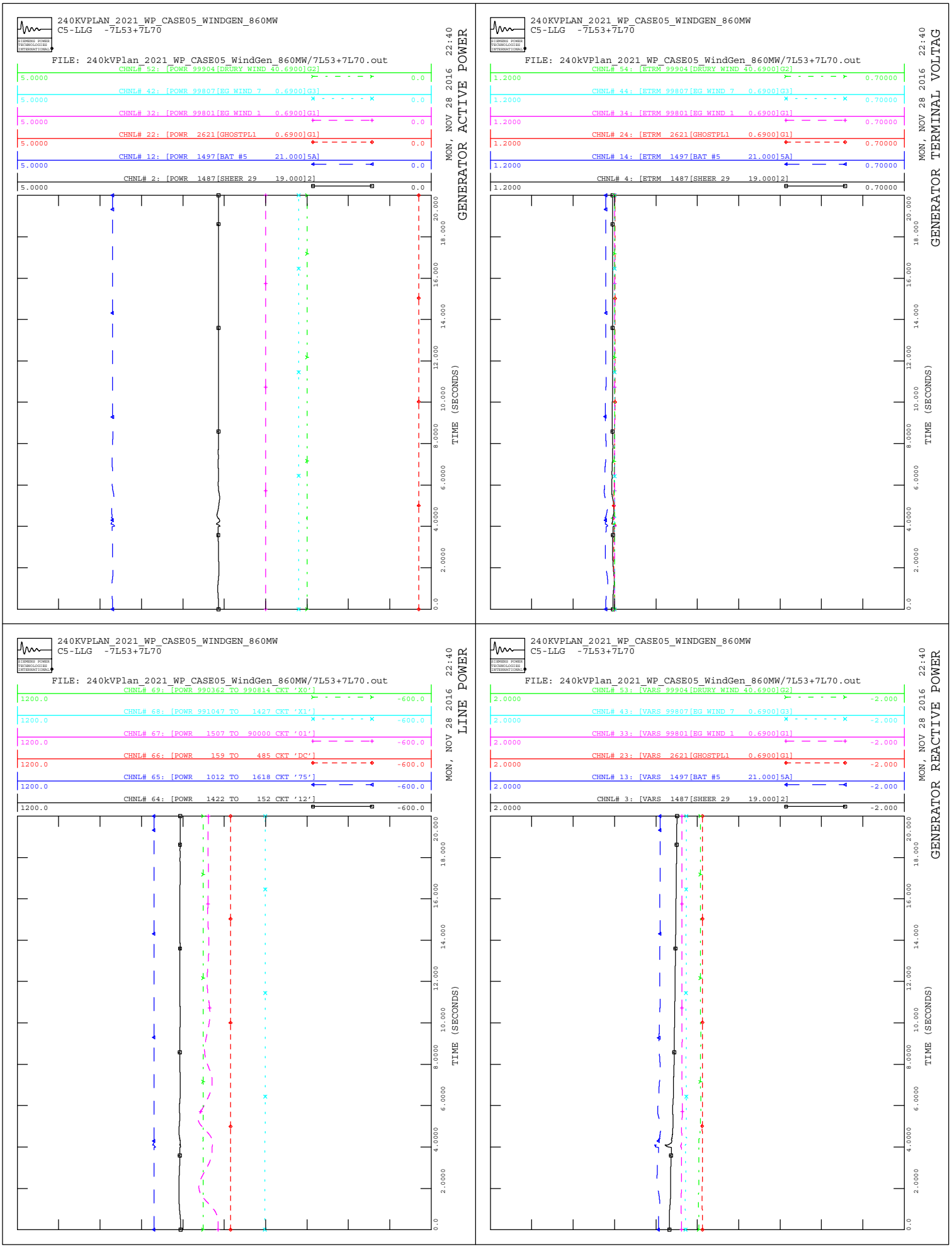
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L53+7L70

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L53+7L70.out

MON, NOV 28 2016 22:40

MACHINE ANGEL

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C5-LLG -7L53+7L70
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L53+7L70
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L53+7L70.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
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MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
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10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L53+7L70
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L53+7L70.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
10.000
12.000
14.000
16.000
18.000
20.000
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L53+7L70
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L53+7L70.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
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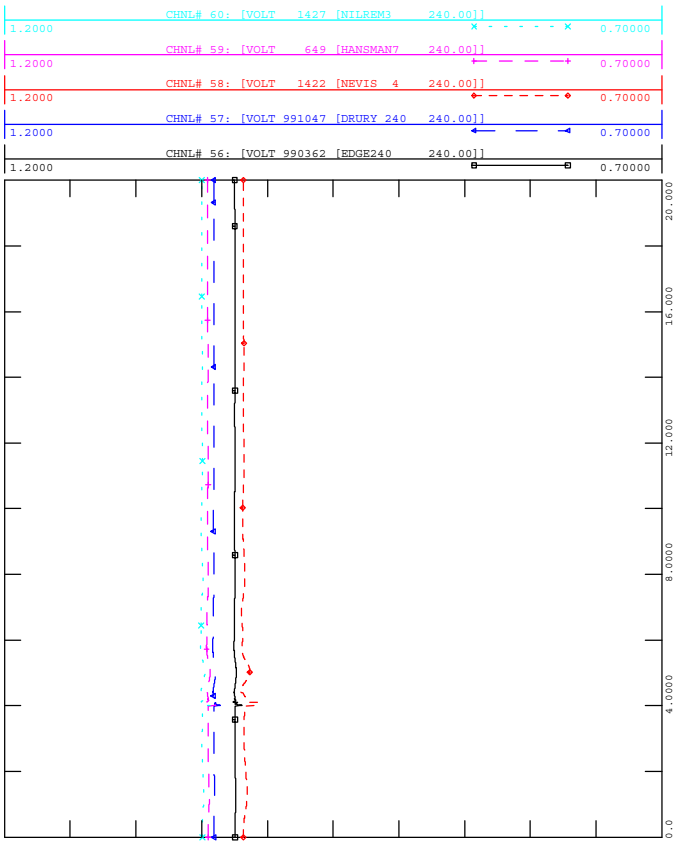
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L66

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L91+7L66.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

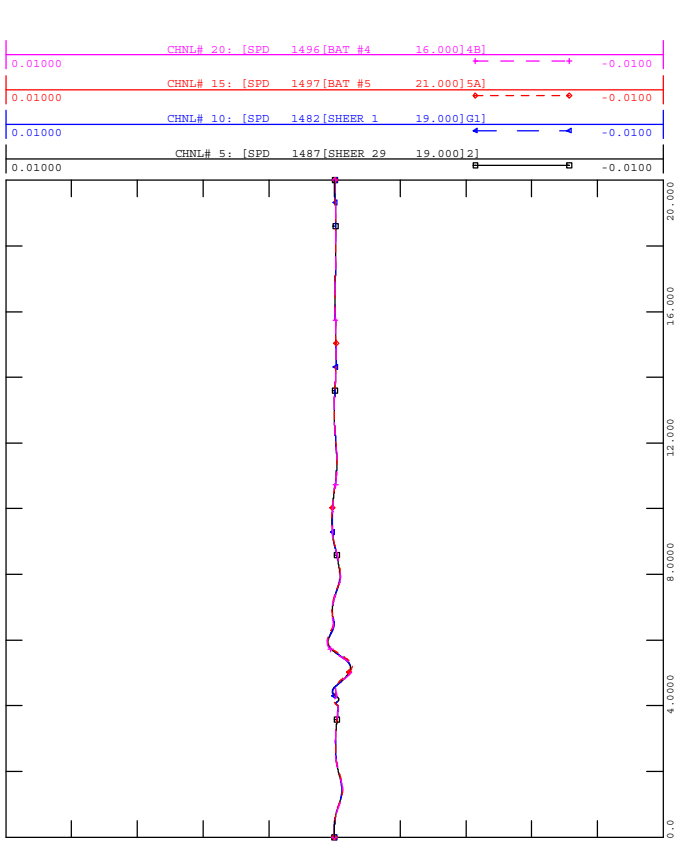


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L66

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L91+7L66.out

MON, NOV 28 2016 22:40

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L66

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L91+7L66.out

MON, NOV 28 2016 22:40

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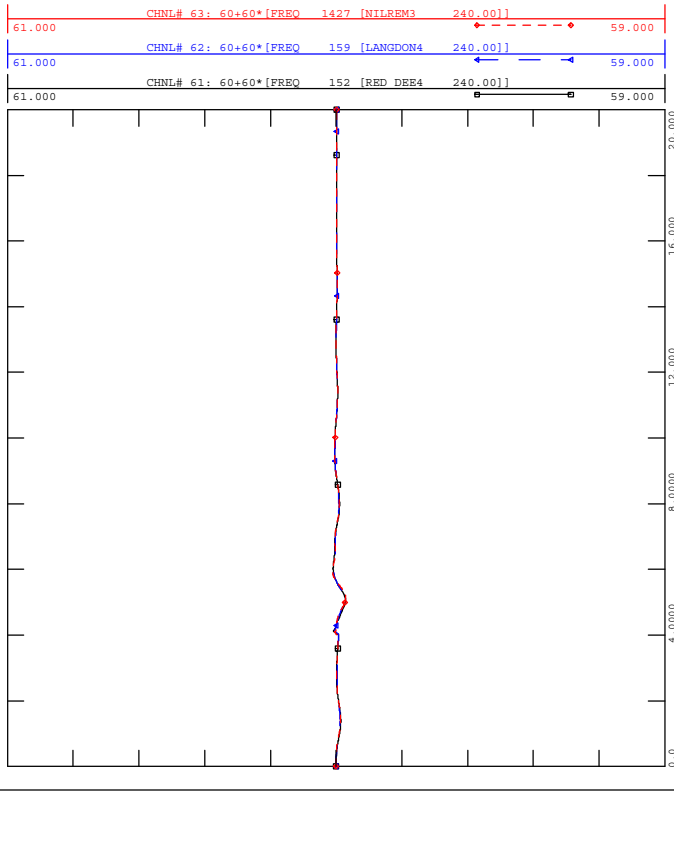

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L66

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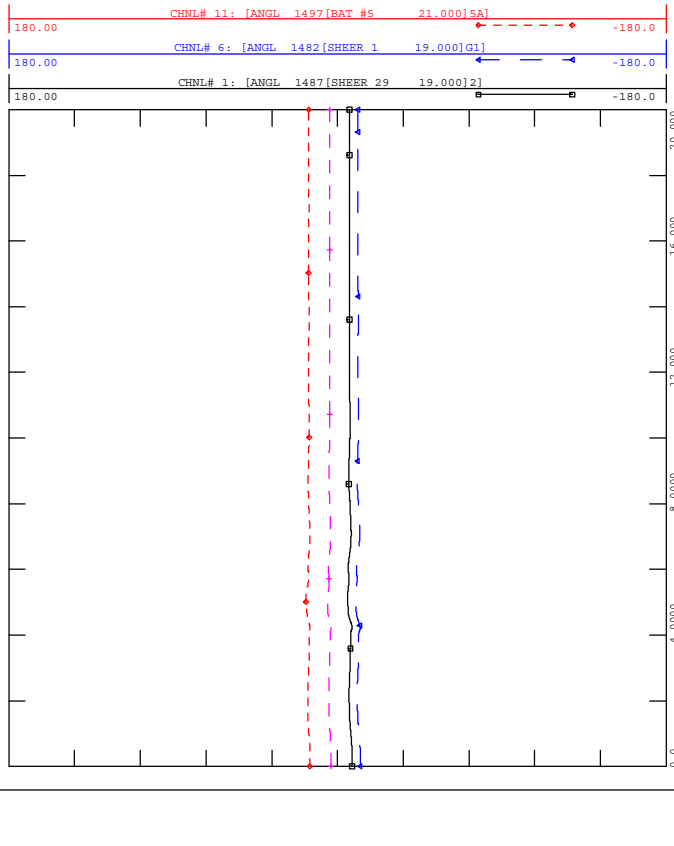
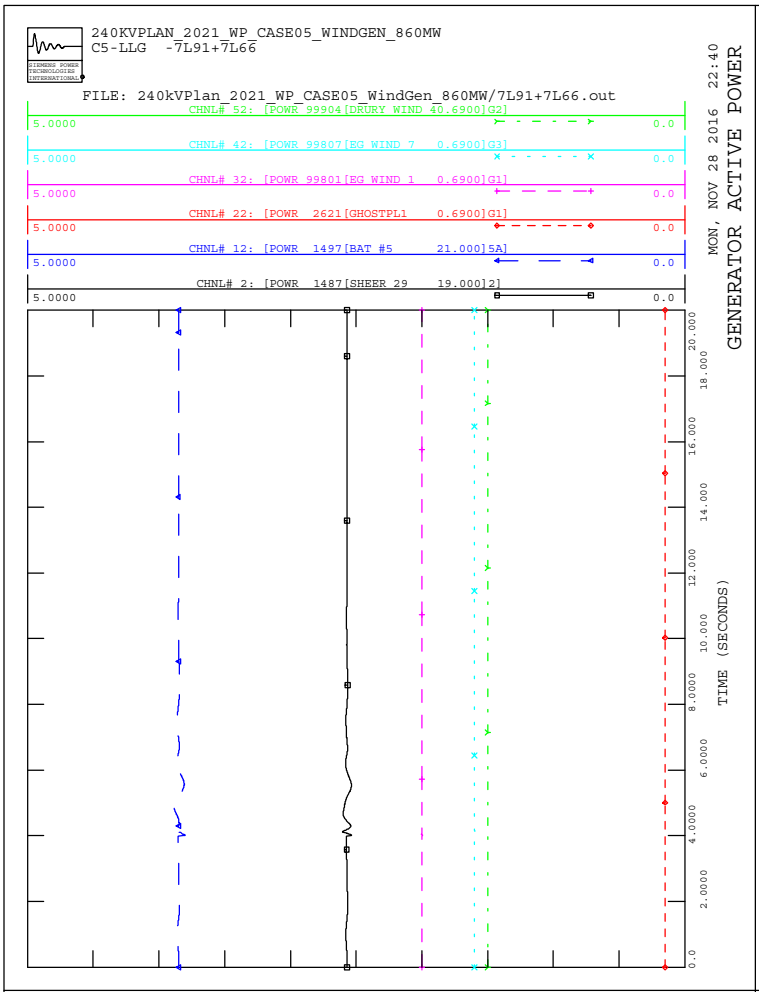
MON, NOV 28 2016 22:40

MACHINE ANGEL

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C5-LLG -7L91+7L66
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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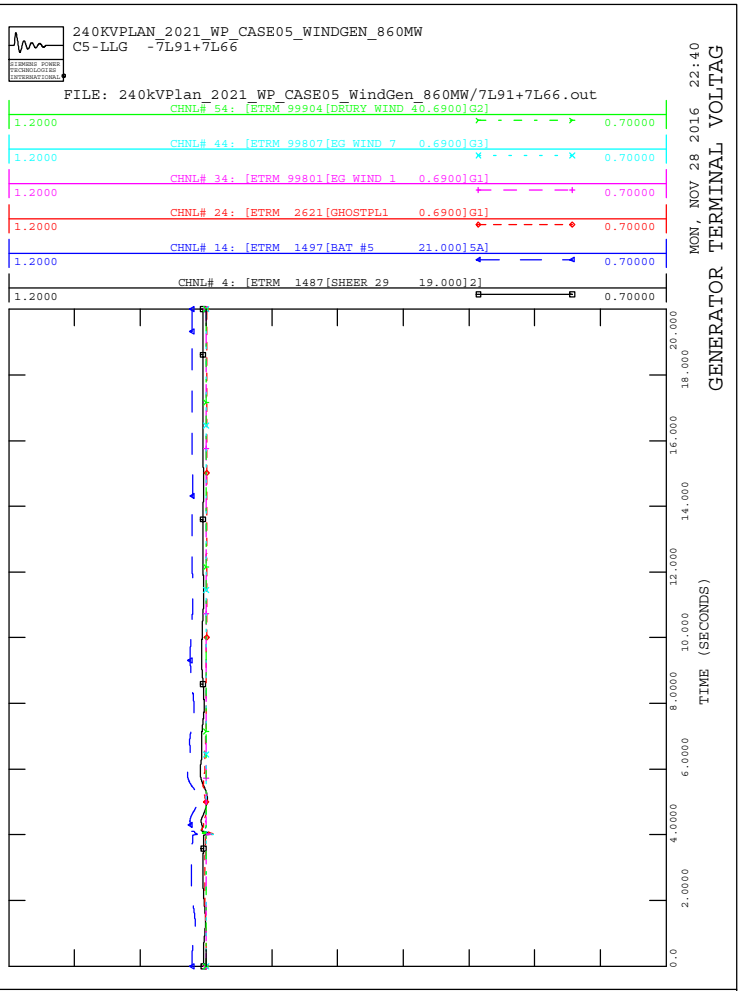
20.000
TIME (SECONDS)
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L66
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L91+7L66.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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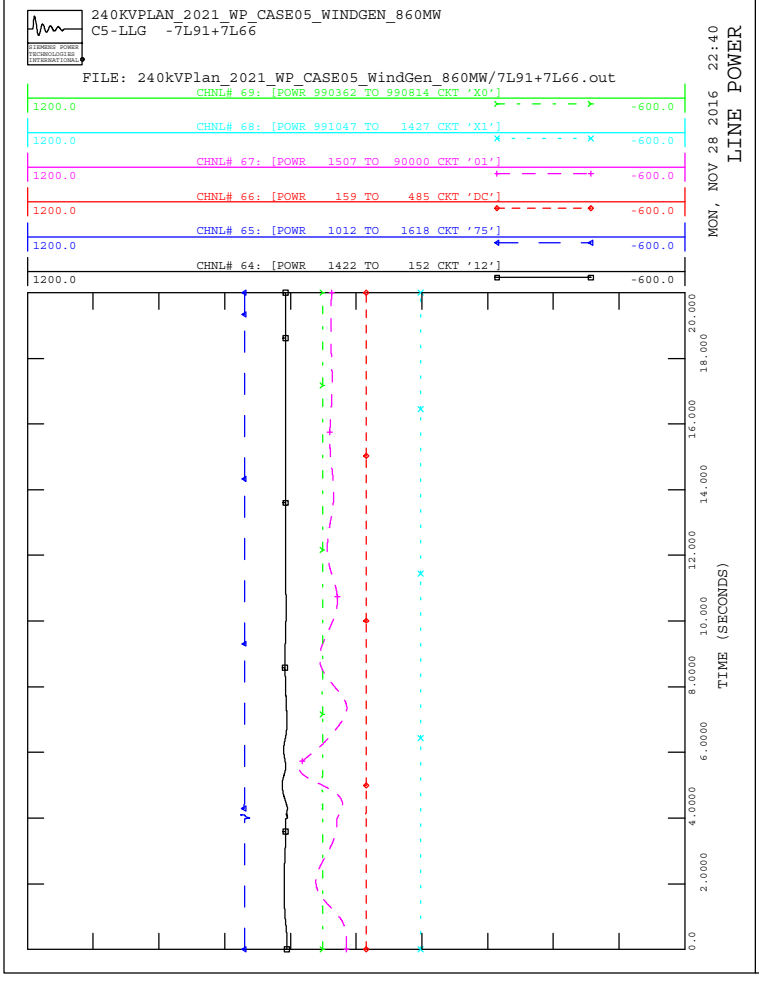
TIME (SECONDS)
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L66
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L91+7L66.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
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-600.0
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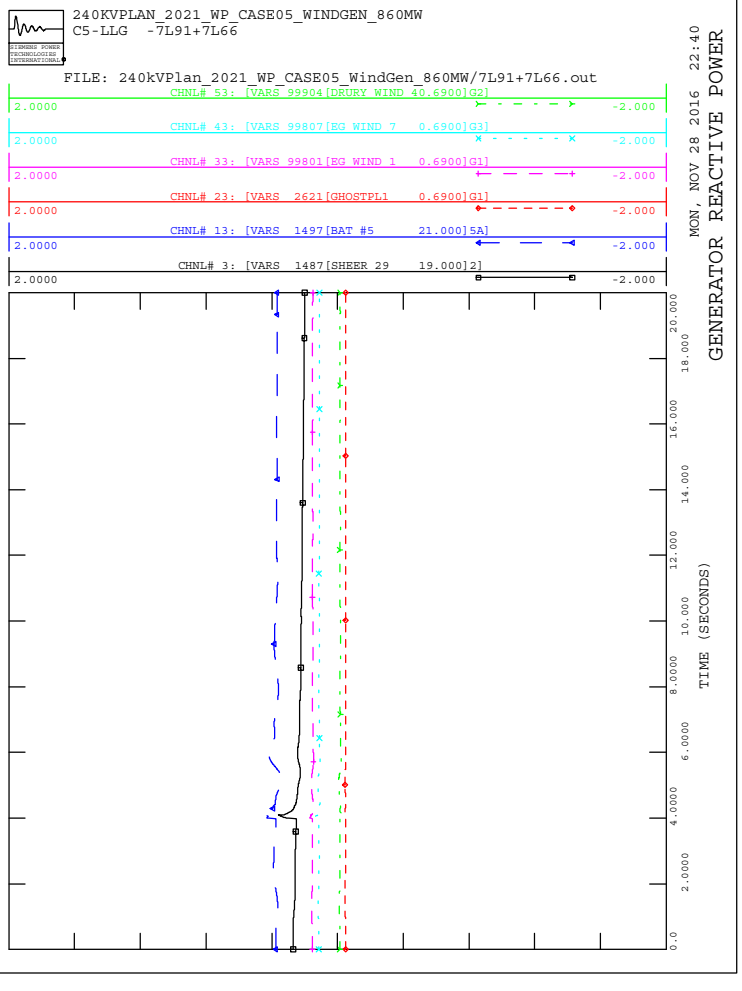
TIME (SECONDS)
MON, NOV 28 2016 22:40
LINE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L66
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L91+7L66.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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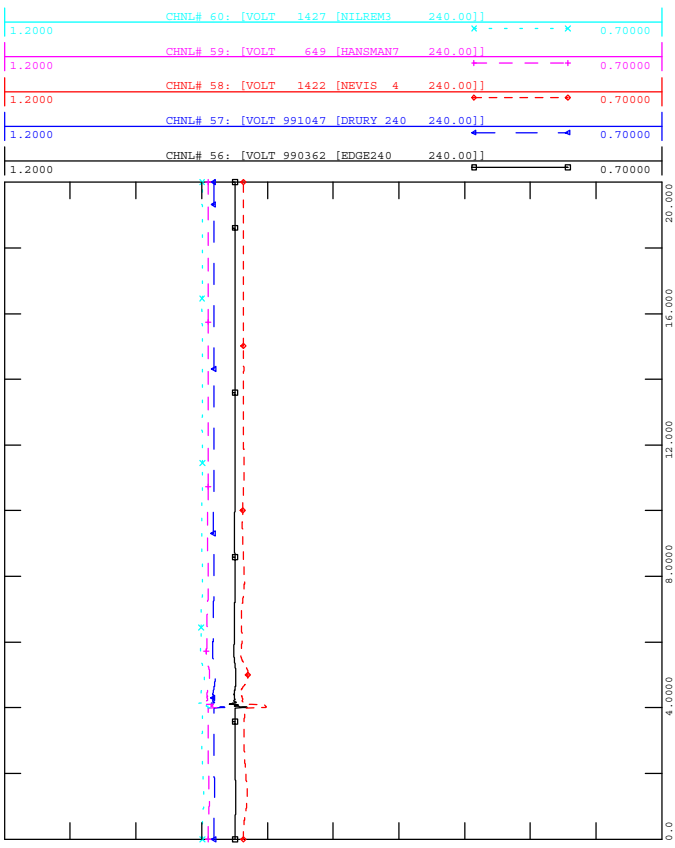
TIME (SECONDS)
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L89

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L91+7L89.out

MON, NOV 28 2016 22:40

BUS VOLTAGE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L89

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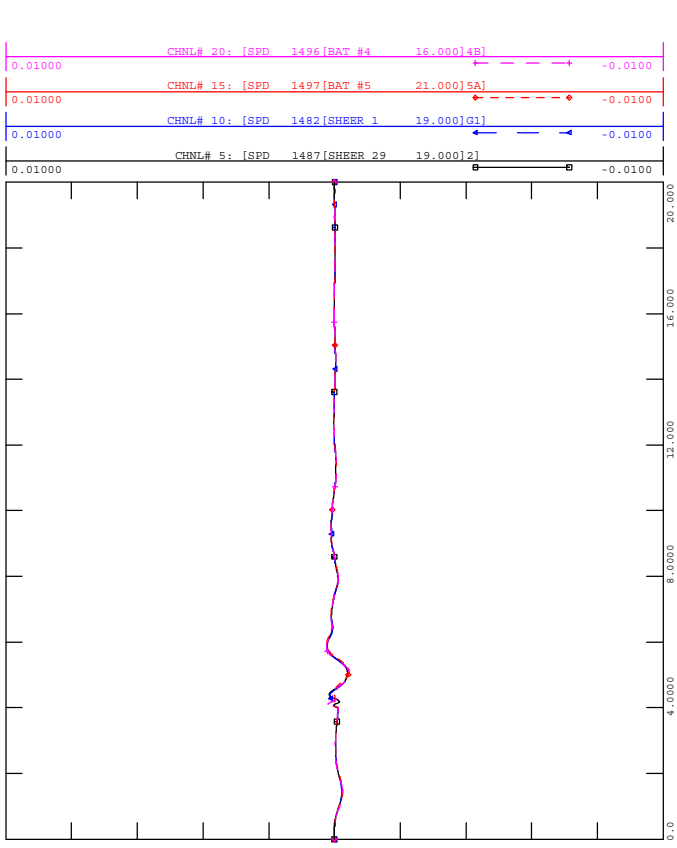
MON, NOV 28 2016 22:40

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L89

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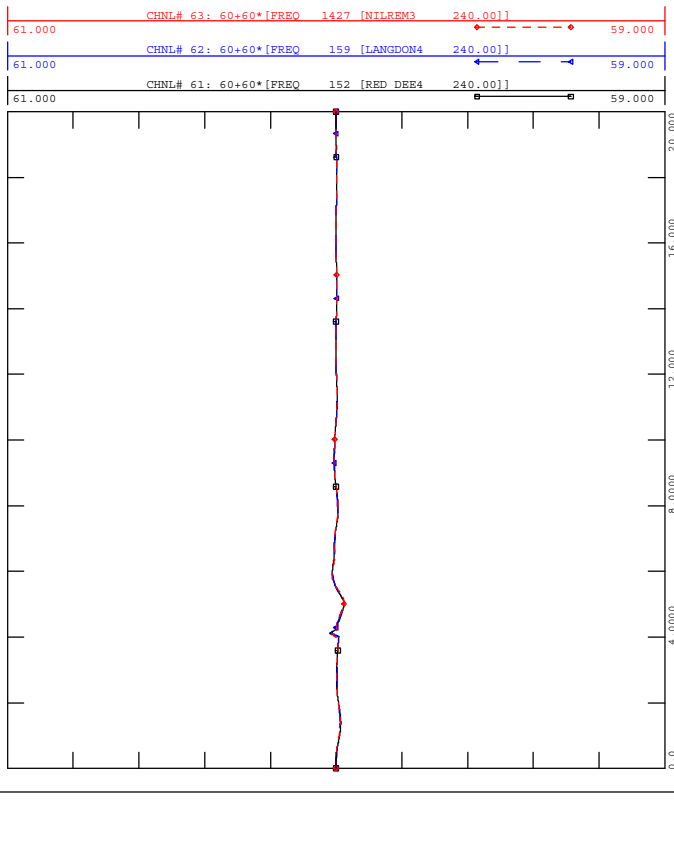

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L89

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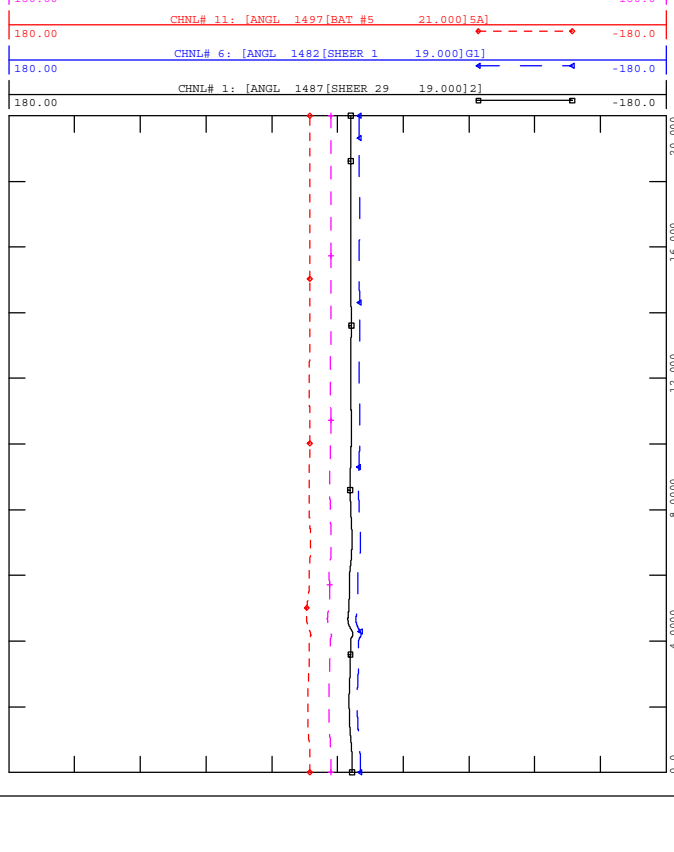
MON, NOV 28 2016 22:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L89

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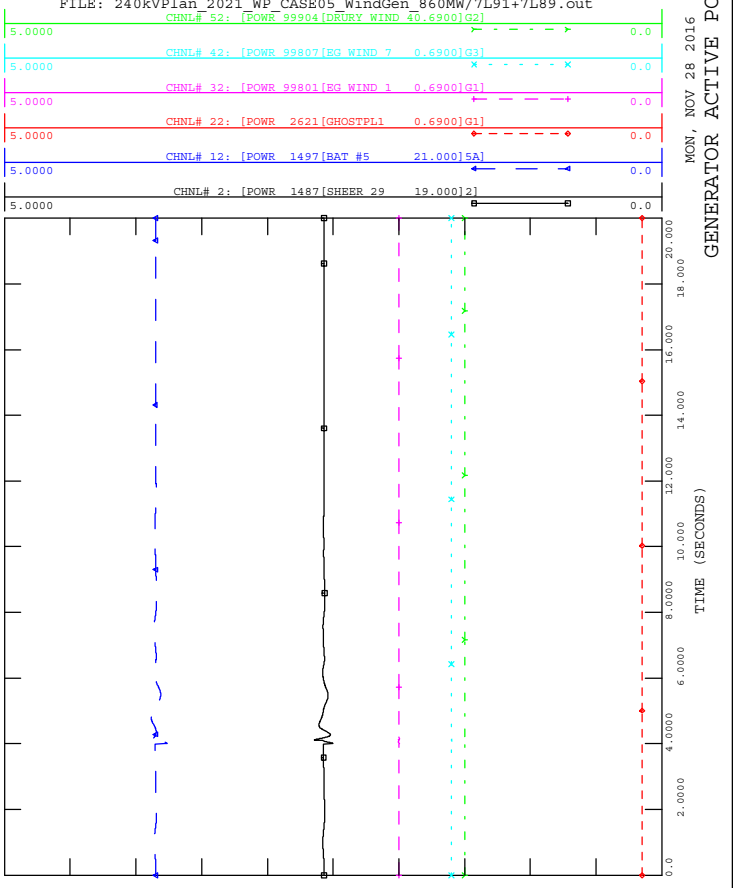

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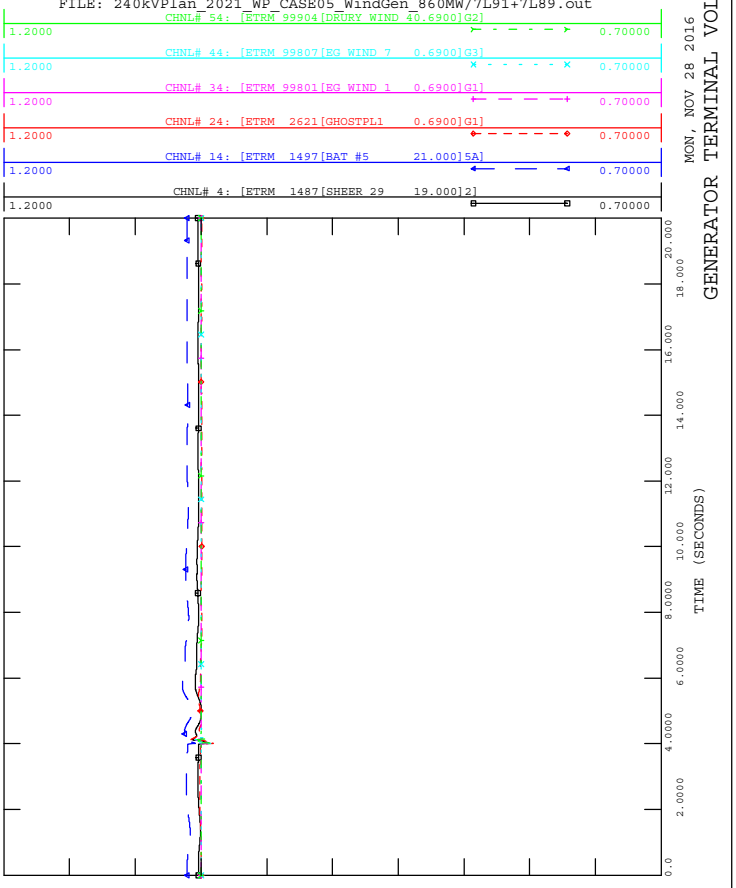
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L89

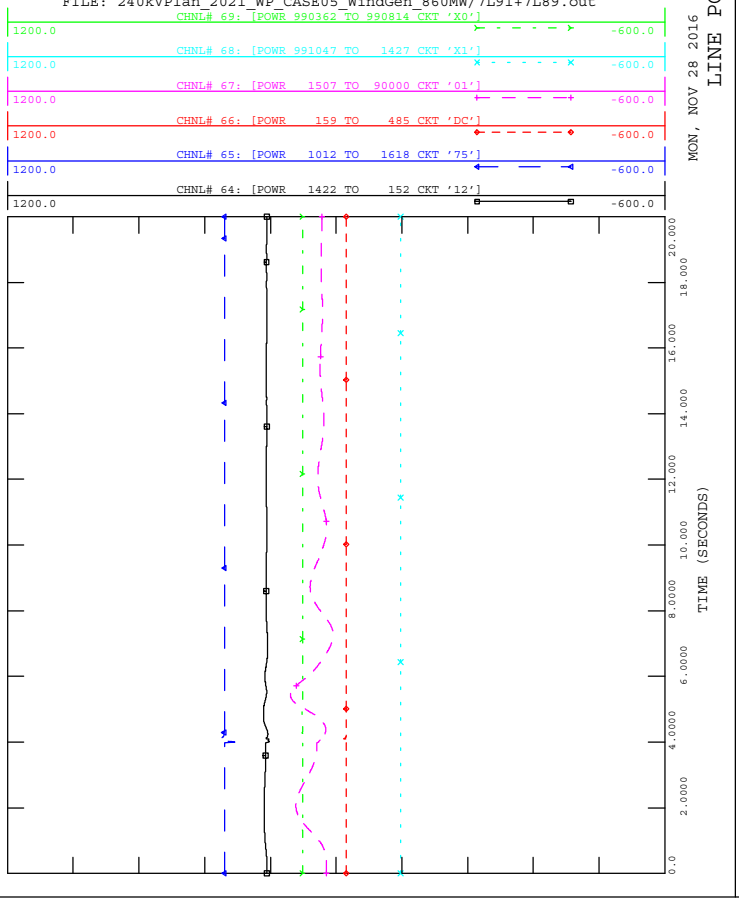
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L91+7L89.out



MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L89

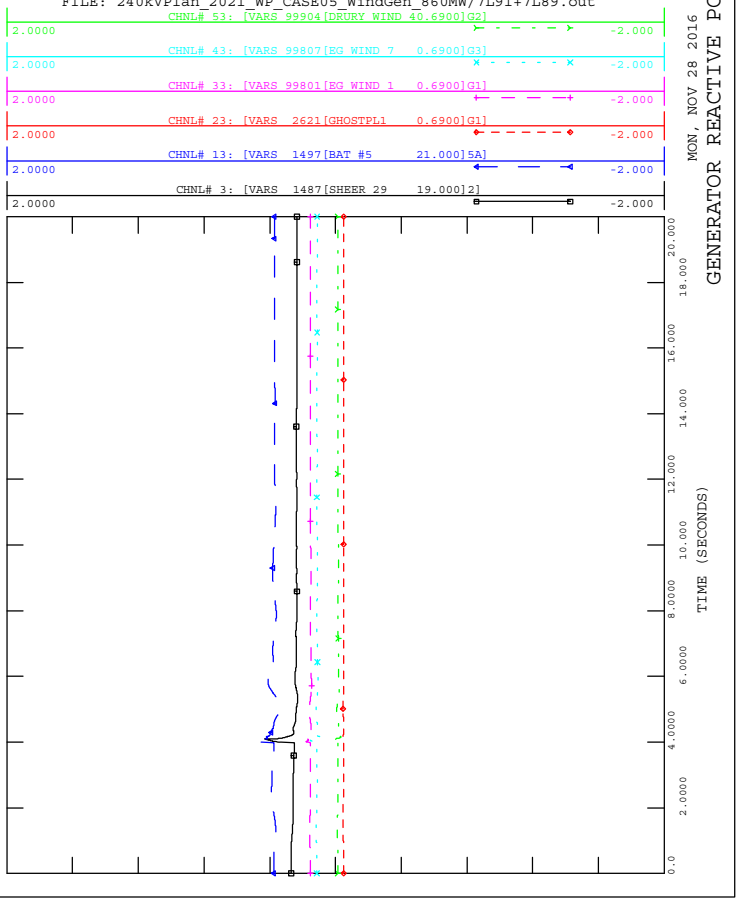
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L91+7L89.out



MON, NOV 28 2016 22:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L91+7L89

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L91+7L89.out



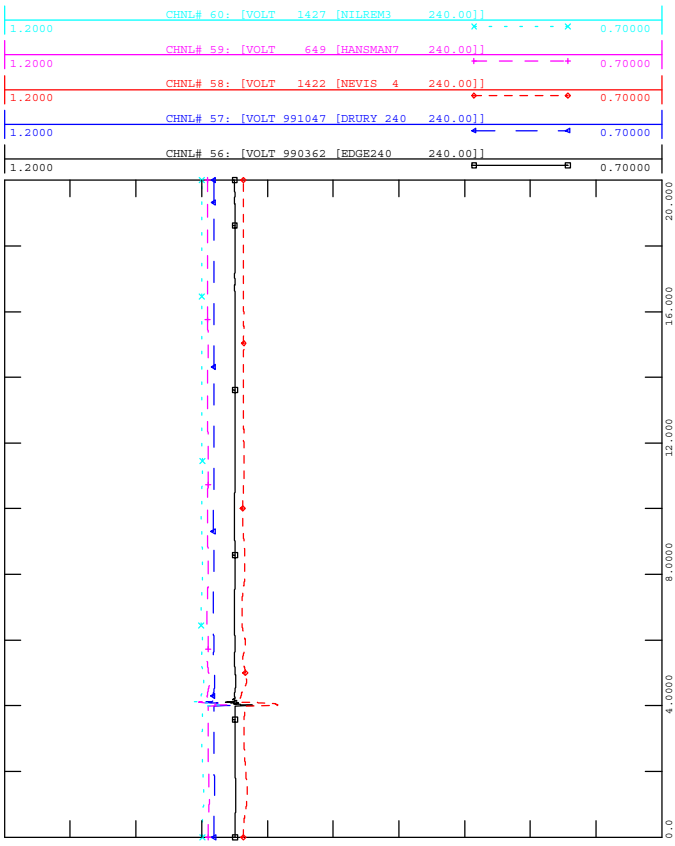
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L36+9L37

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36+9L37.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

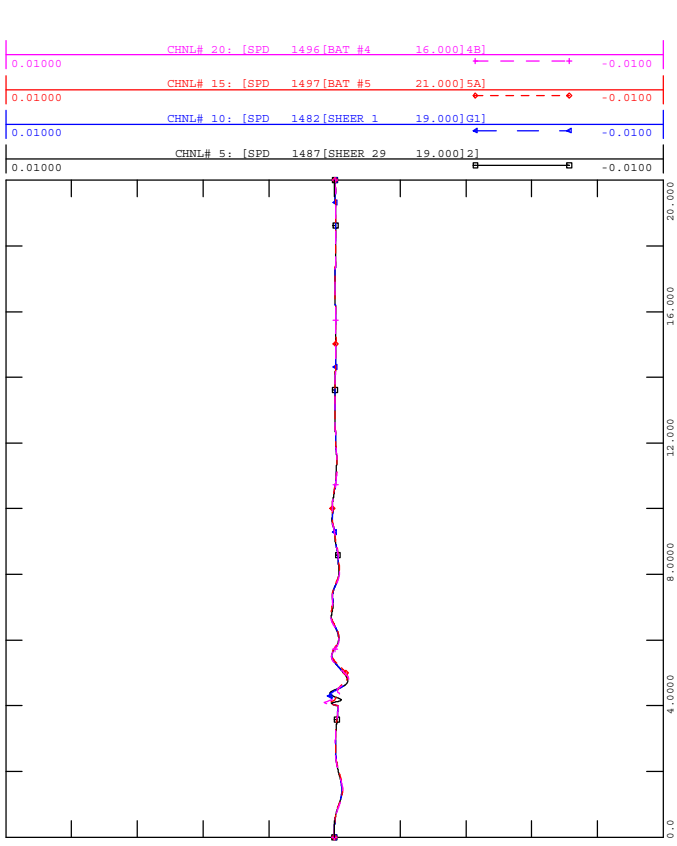


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L36+9L37

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36+9L37.out

MON, NOV 28 2016 22:40

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L36+9L37

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36+9L37.out

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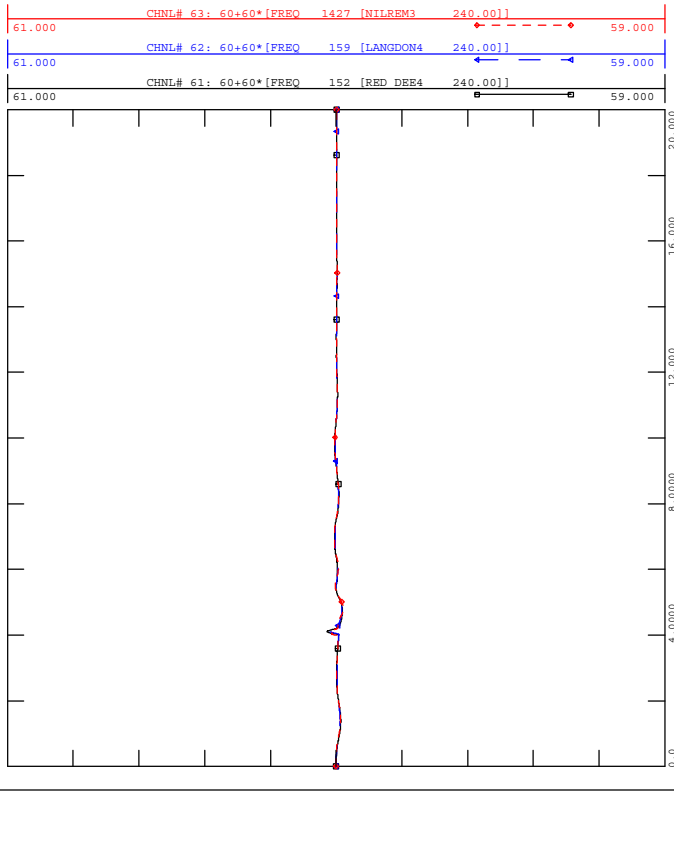
FREQUENCY



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L36+9L37

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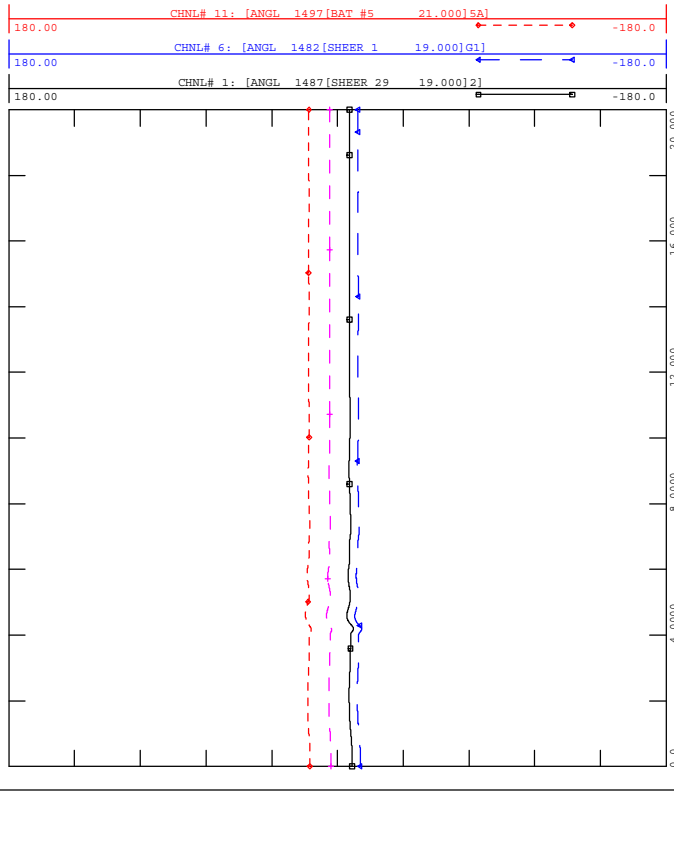
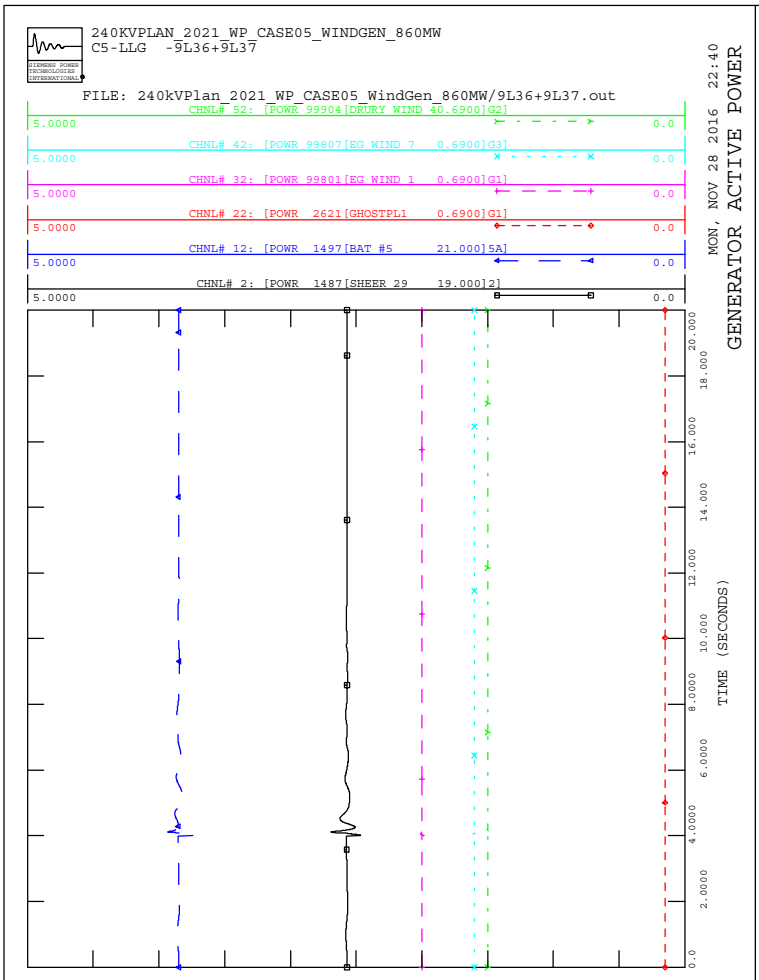
MACHINE ANGEL

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C5-LLG -9L36+9L37
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CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
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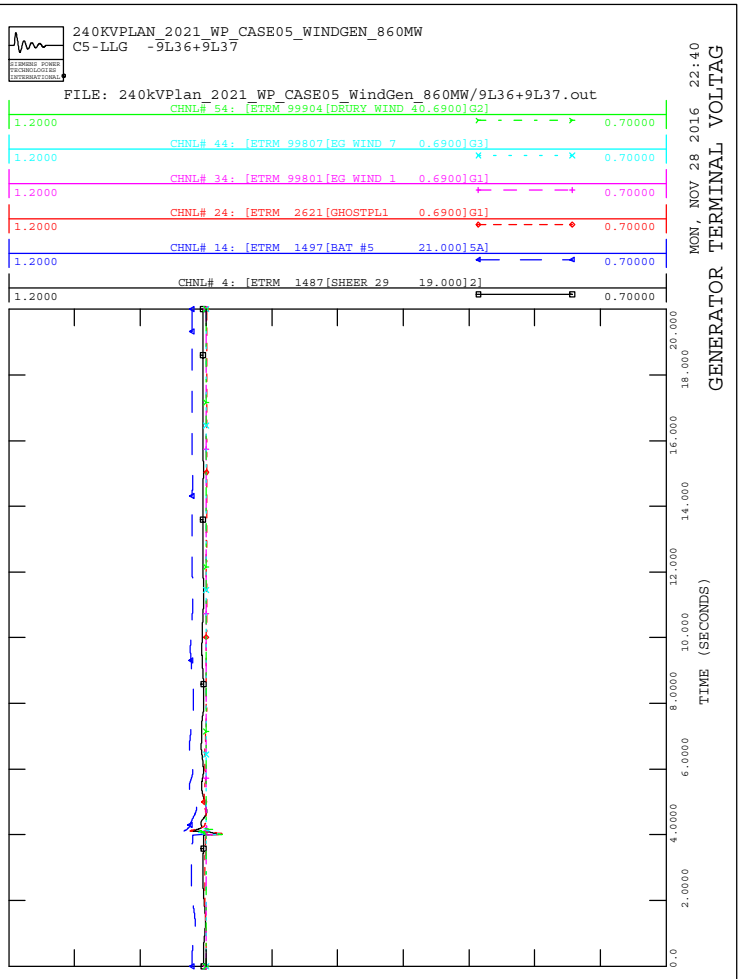
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L36+9L37
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36+9L37.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
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GENERATOR TERMINAL VOLTAG
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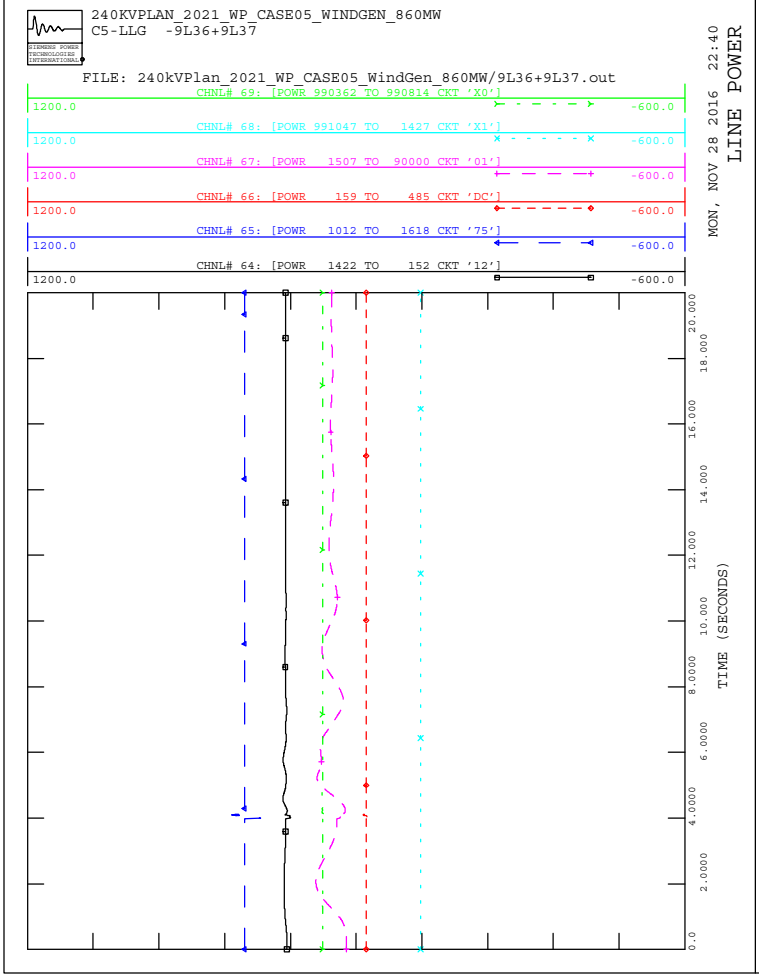
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L36+9L37
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36+9L37.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
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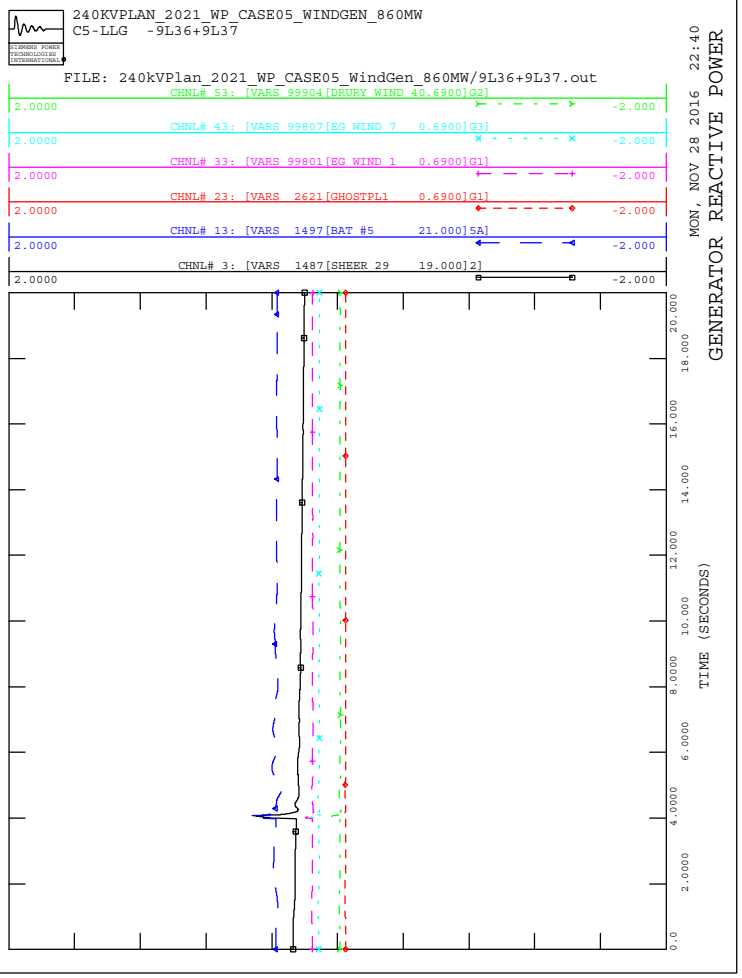
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L36+9L37
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36+9L37.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
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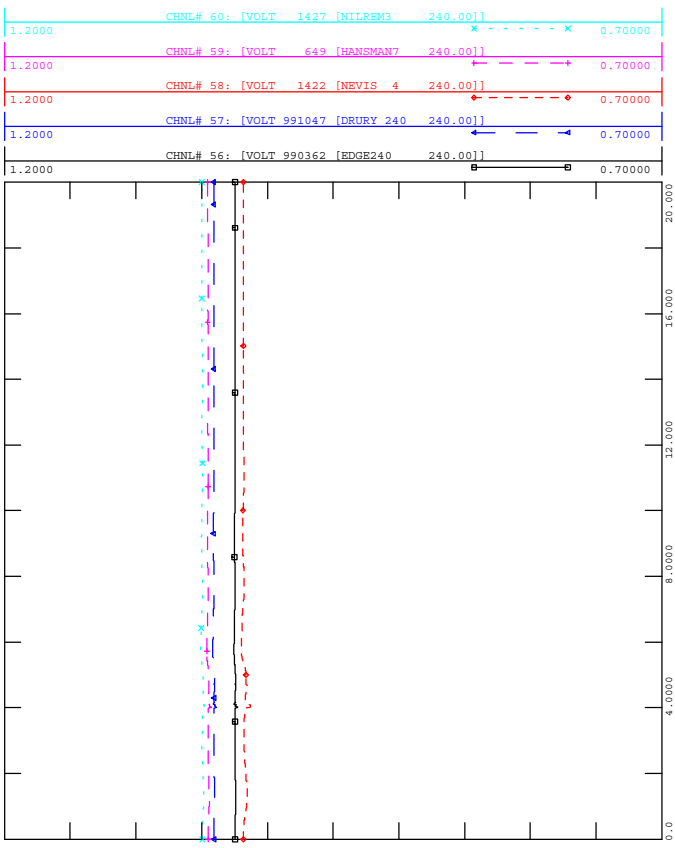
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L139+7L70

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L139+7L70.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

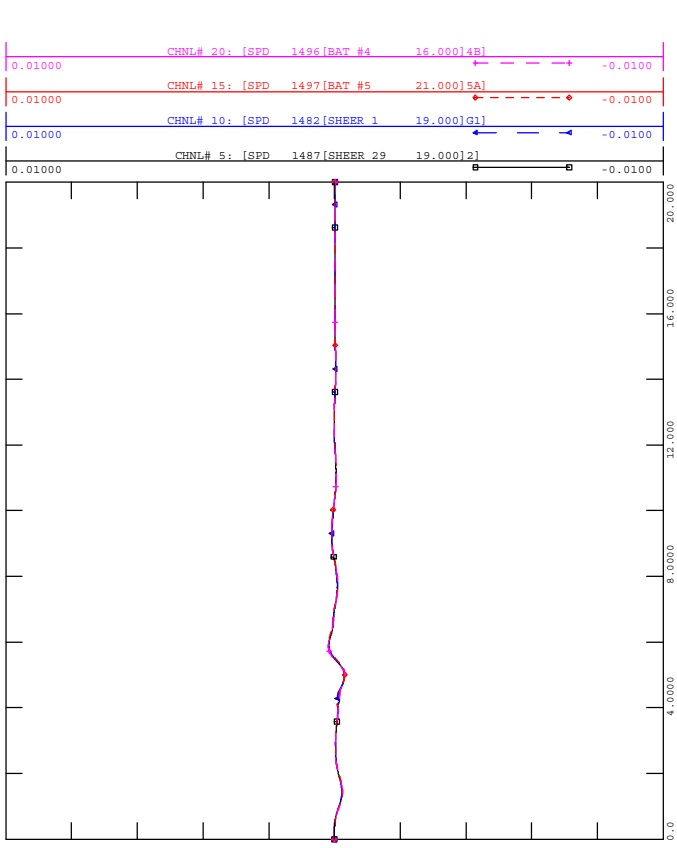


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L139+7L70

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L139+7L70.out

MON, NOV 28 2016 22:40

MACHINE SPEED

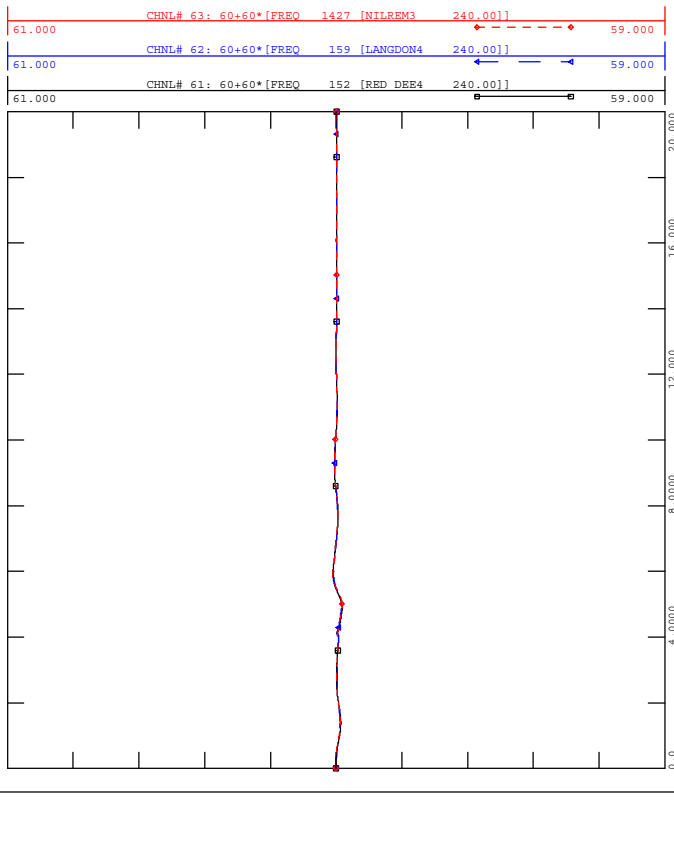


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L139+7L70

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L139+7L70.out

MON, NOV 28 2016 22:40

FREQUENCY

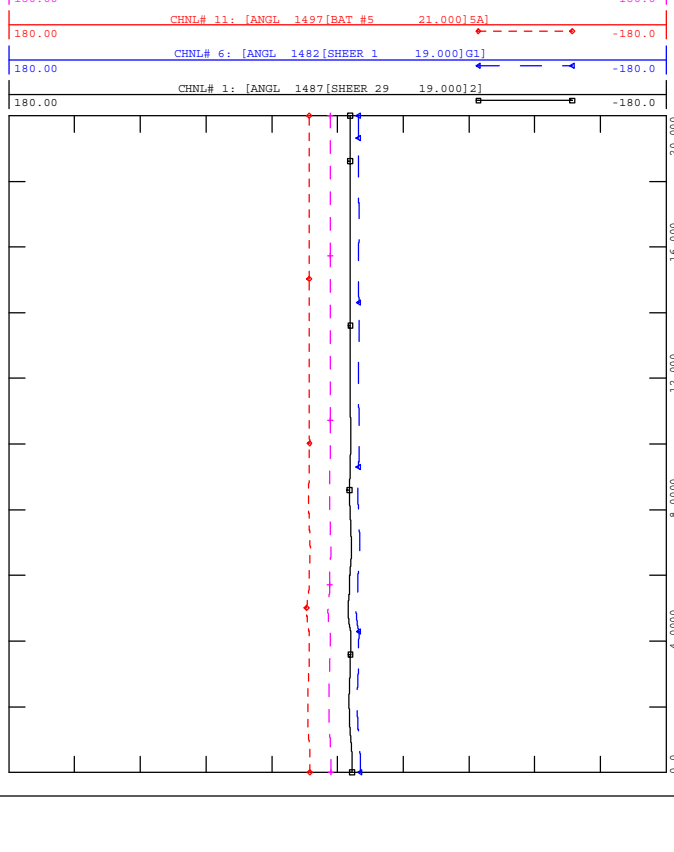


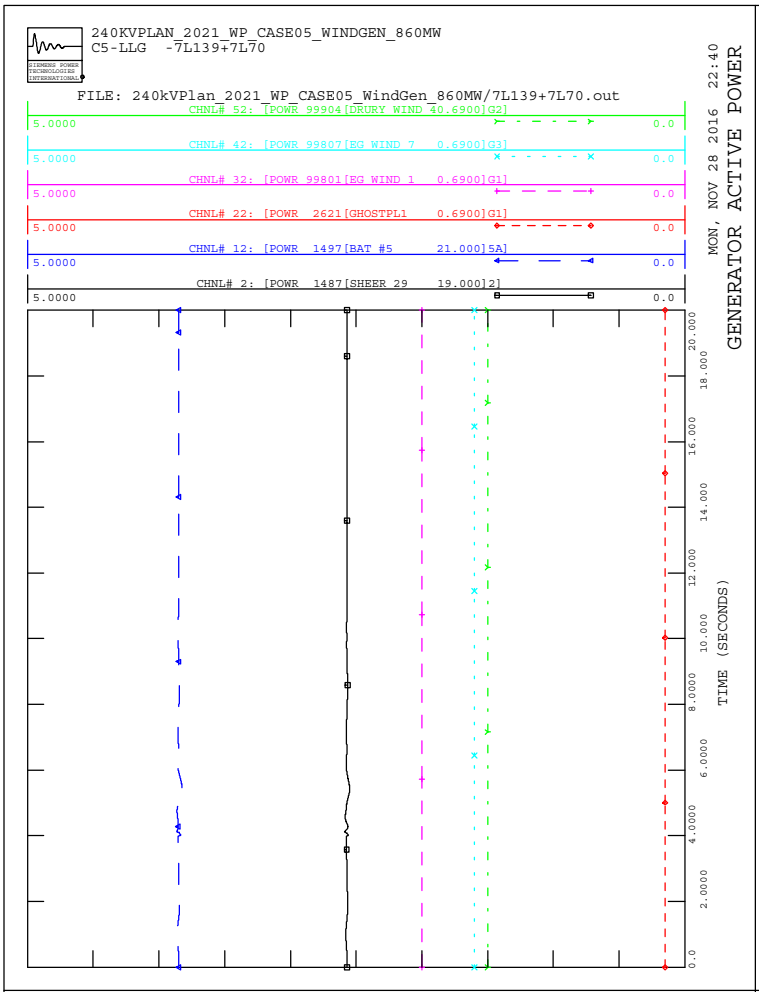
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L139+7L70

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L139+7L70.out

MON, NOV 28 2016 22:40

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L139+7L70
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L139+7L70.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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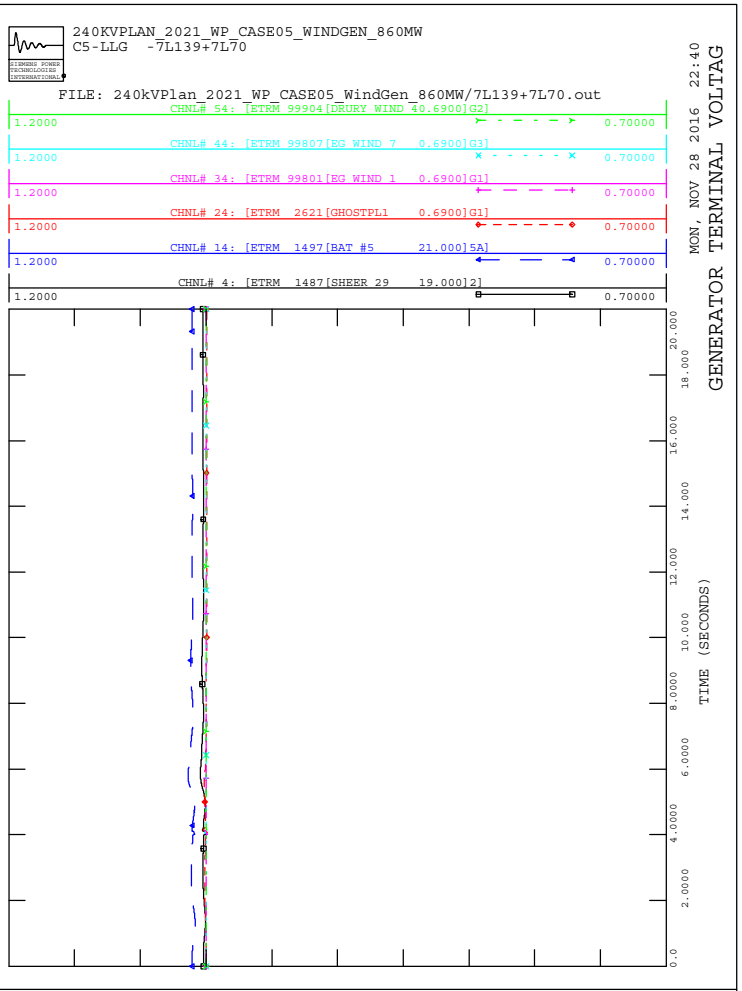
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L139+7L70
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L139+7L70.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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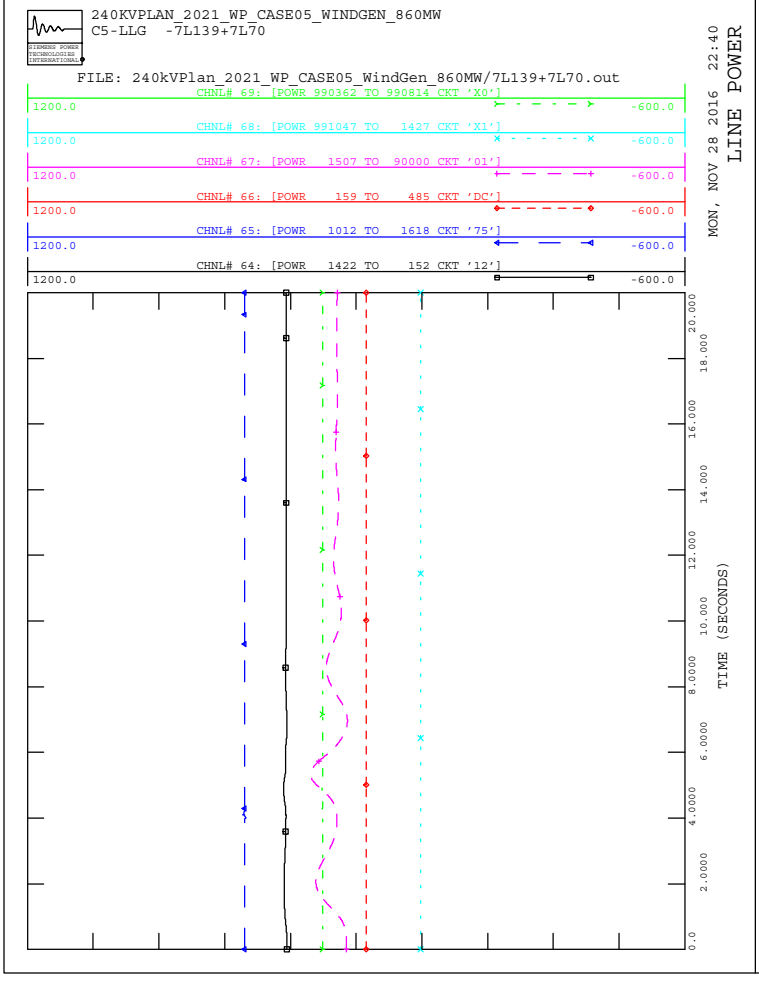
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L139+7L70
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L139+7L70.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
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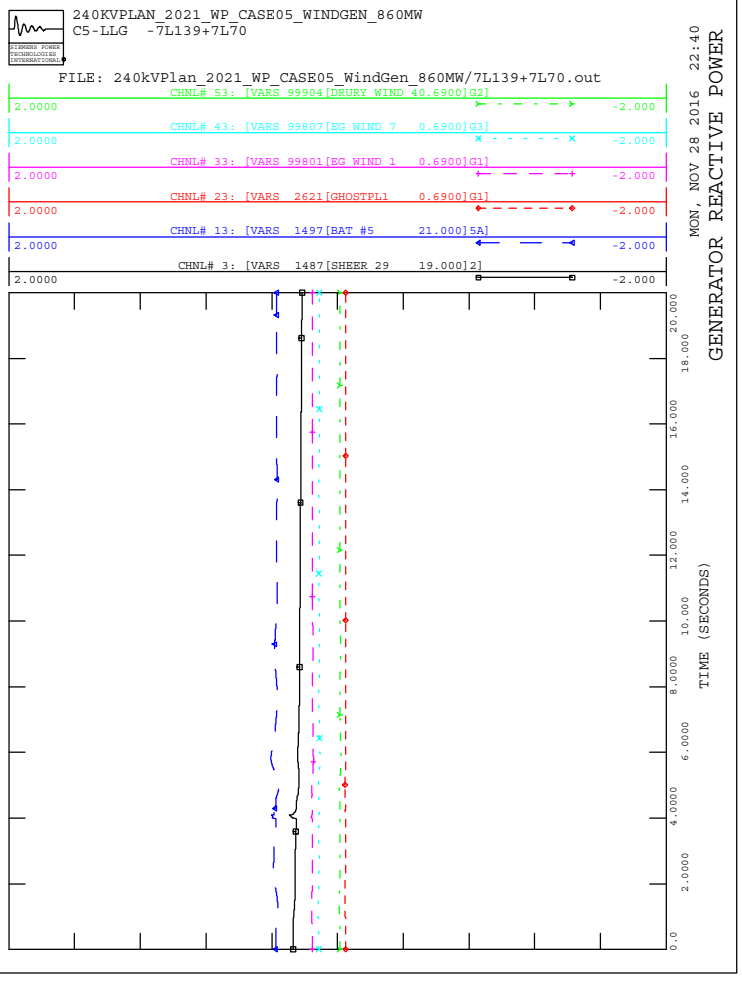
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L139+7L70
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L139+7L70.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
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10.000
12.000
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18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -679L+680L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/679L+680L.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -679L+680L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/679L+680L.out

MON, NOV 28 2016 22:40

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -679L+680L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/679L+680L.out

MON, NOV 28 2016 22:40

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -679L+680L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/679L+680L.out

MON, NOV 28 2016 22:40

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

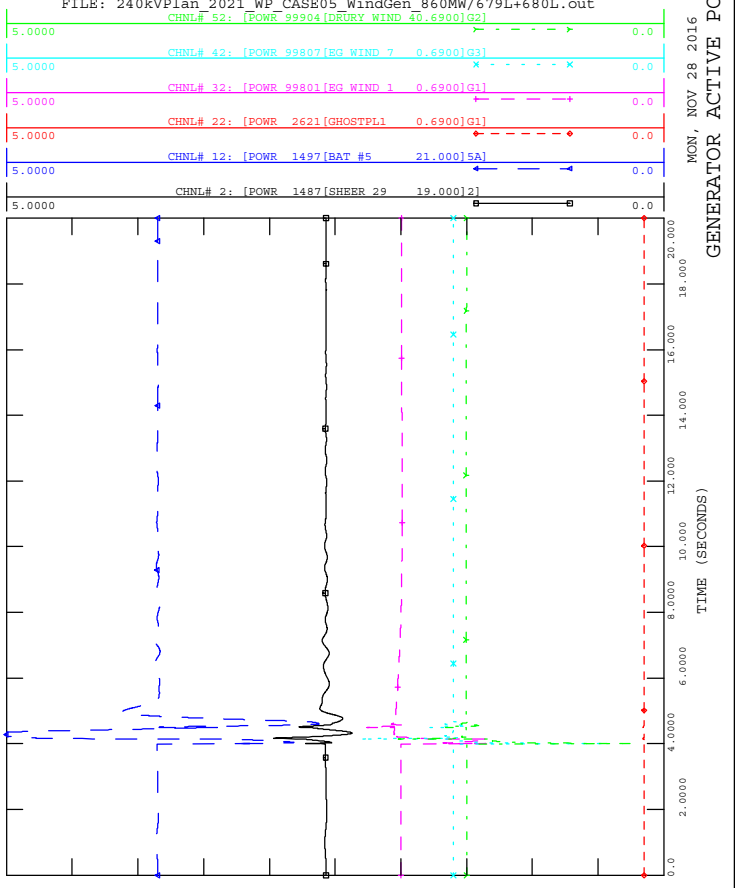
180.00 / -180.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -679L+680L

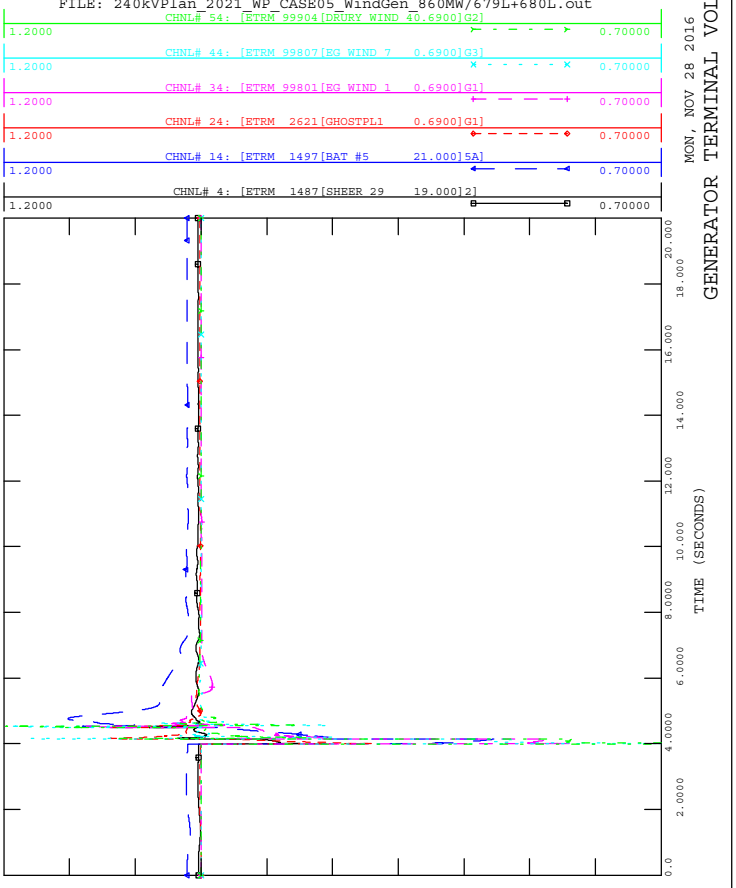
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/679L+680L.out



MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -679L+680L

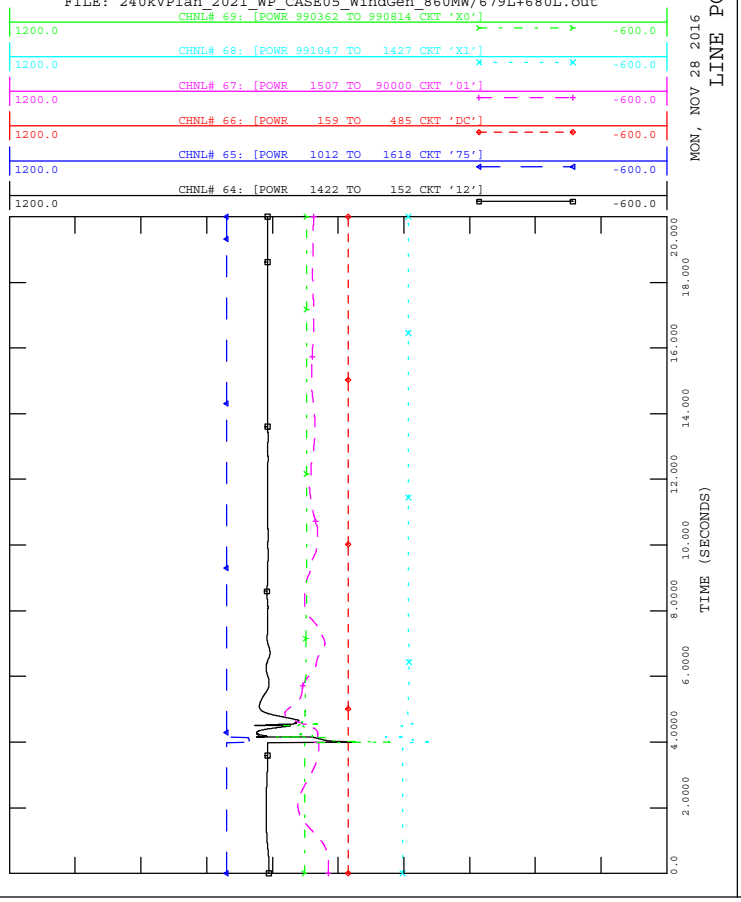
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/679L+680L.out



MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -679L+680L

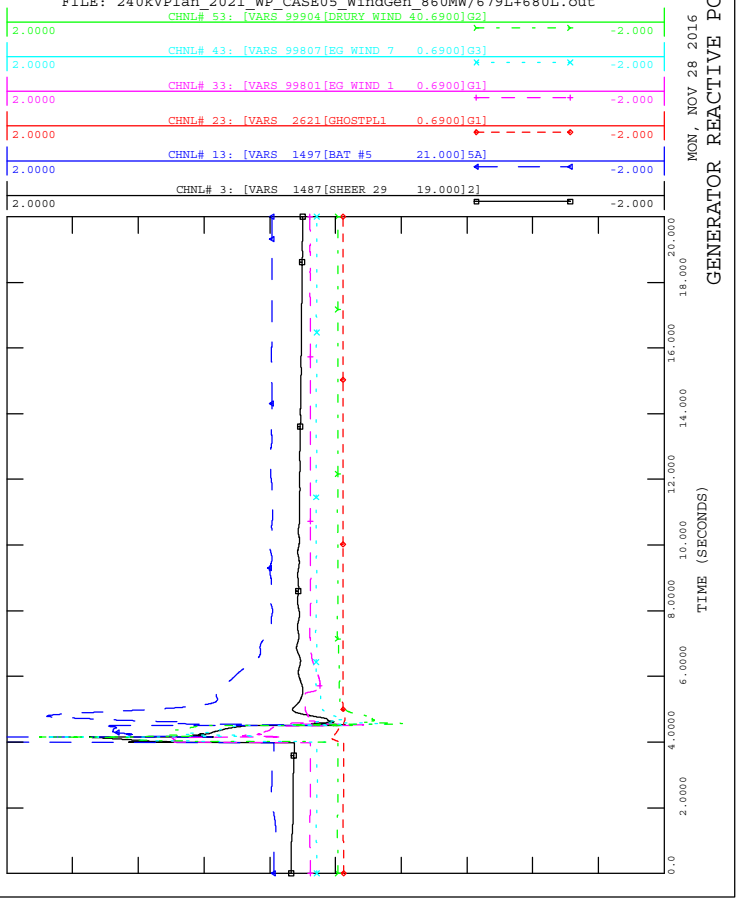
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/679L+680L.out



MON, NOV 28 2016 22:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -679L+680L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/679L+680L.out



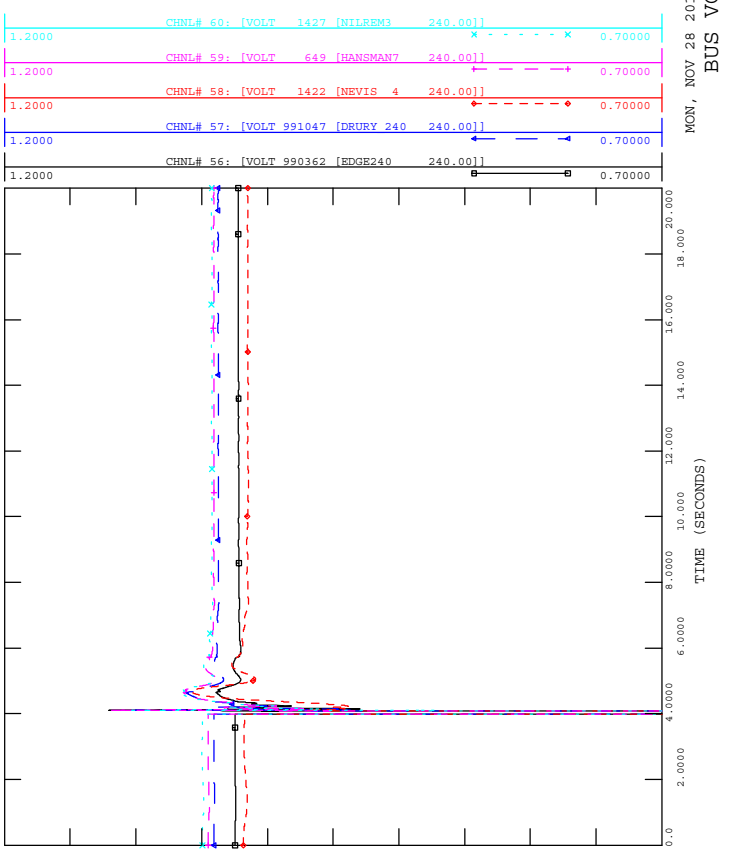
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L16+9L953

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16+9L953.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

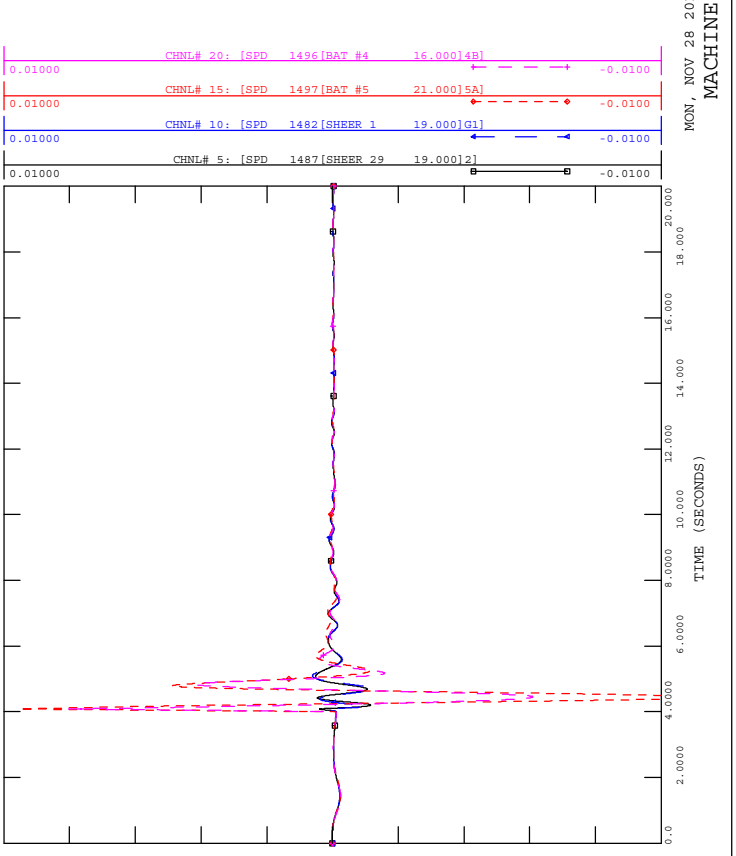


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L16+9L953

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16+9L953.out

MON, NOV 28 2016 22:40

MACHINE SPEED

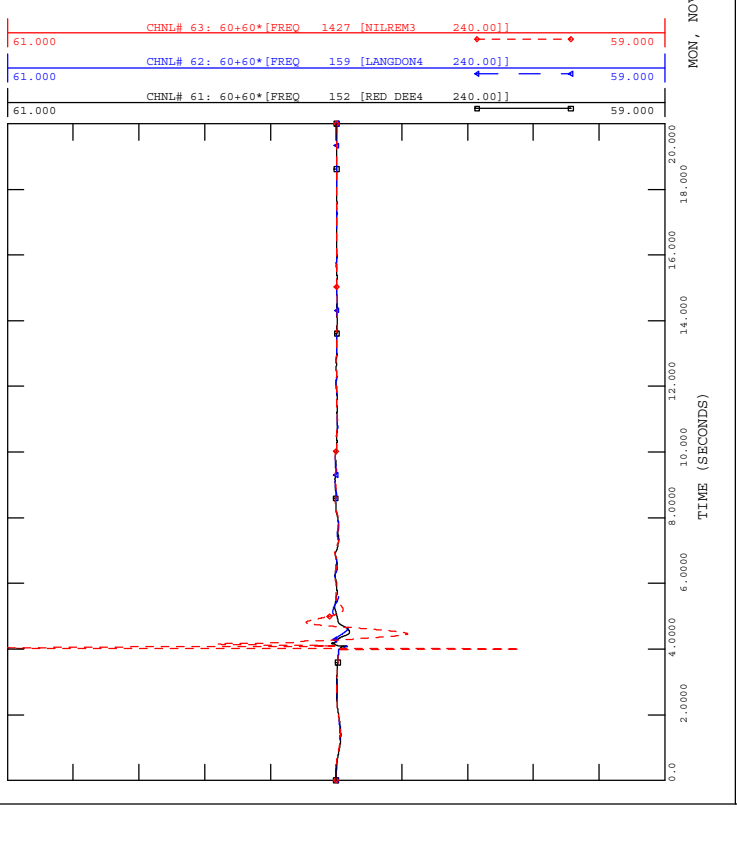


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L16+9L953

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16+9L953.out

MON, NOV 28 2016 22:40

FREQUENCY

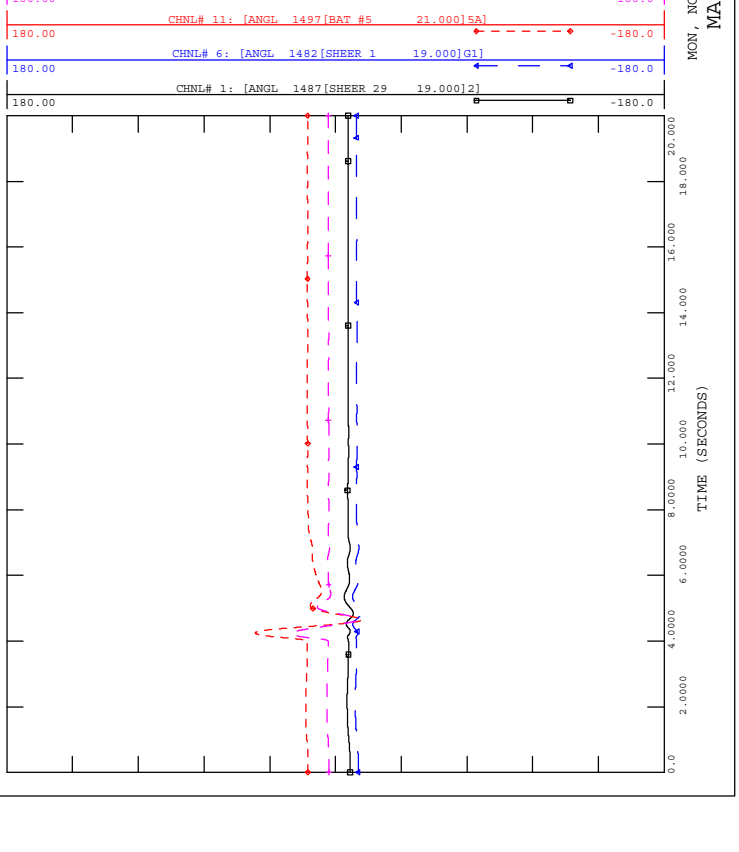


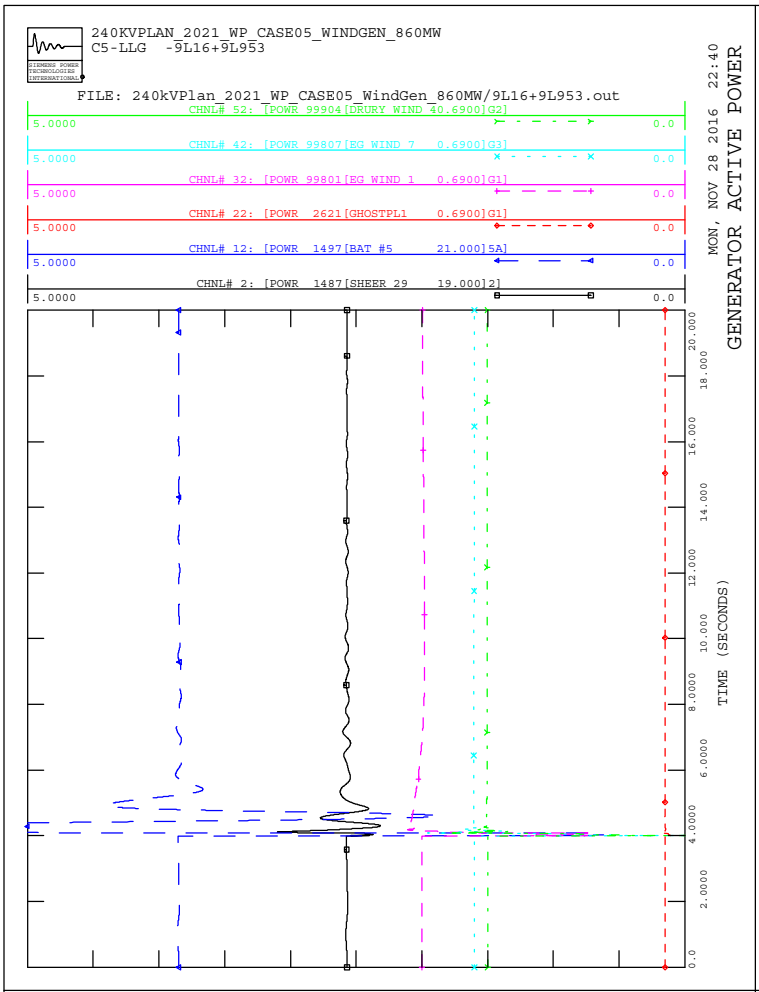
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L16+9L953

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16+9L953.out

MON, NOV 28 2016 22:40

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L16+9L953
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16+9L953.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
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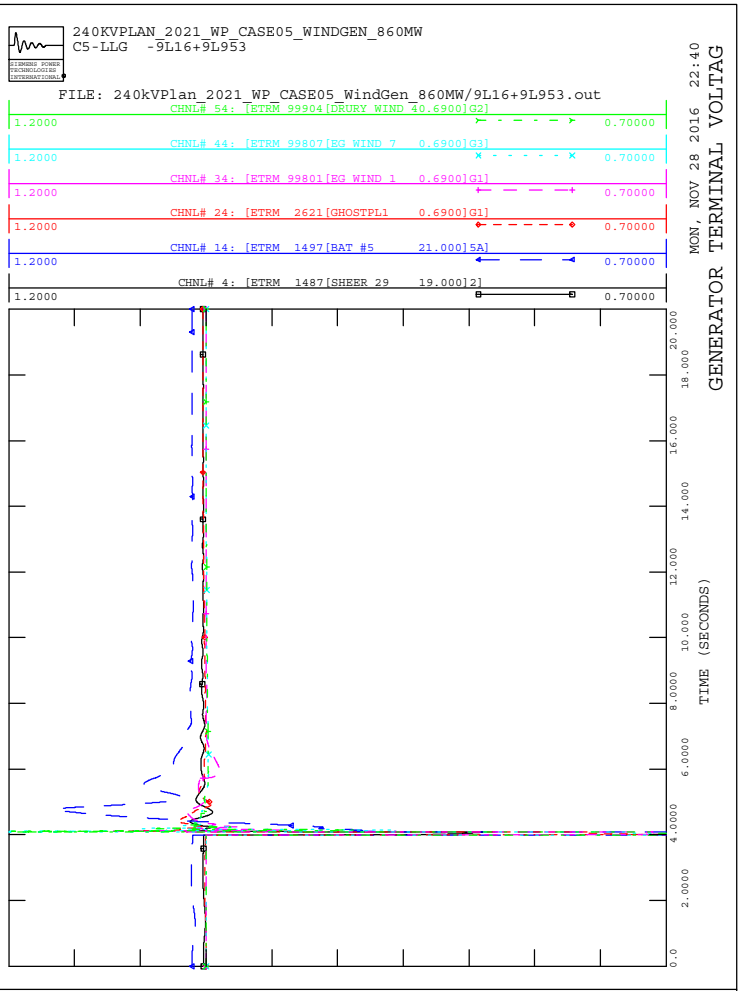
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L16+9L953
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16+9L953.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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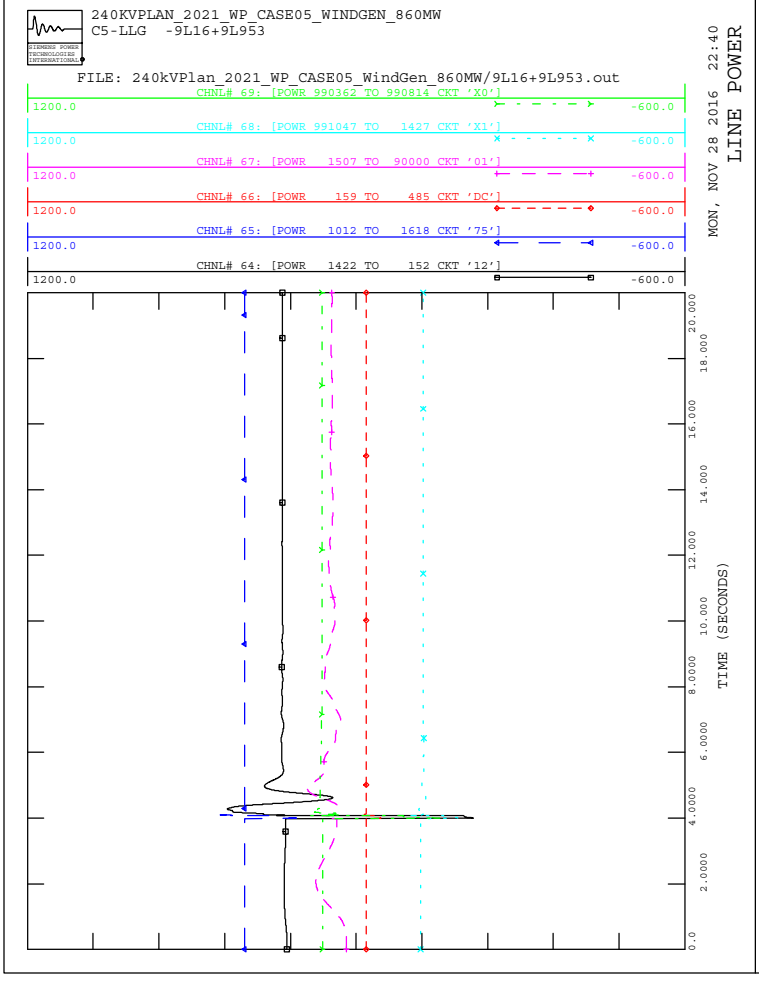
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L16+9L953
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16+9L953.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
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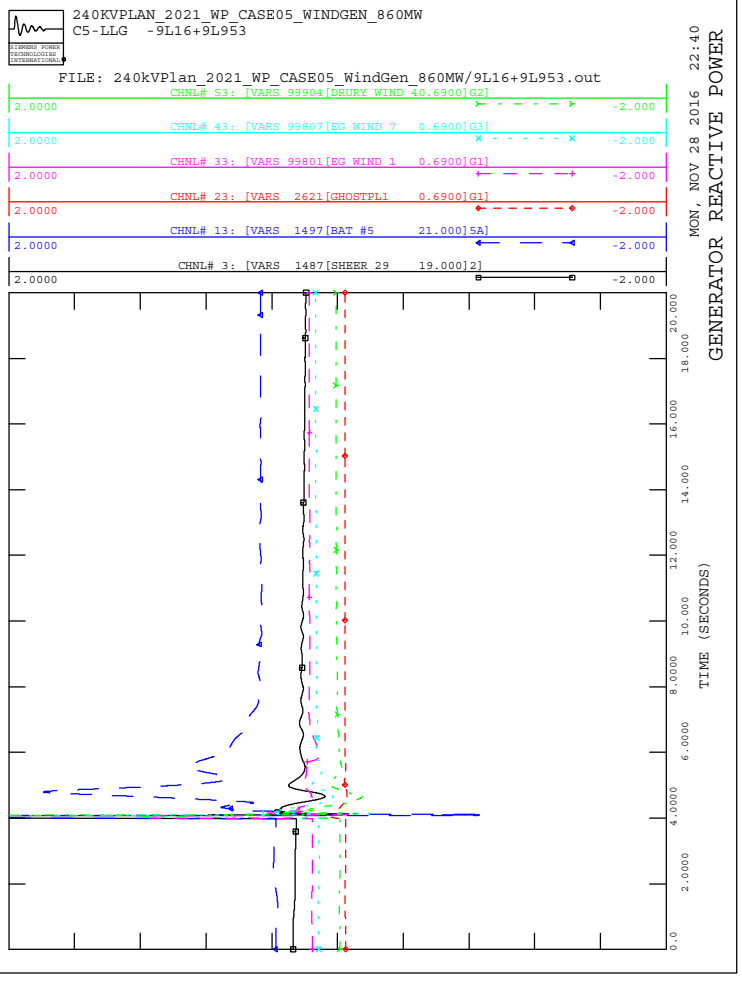
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L16+9L953
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16+9L953.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
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240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1082L+925L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1082L+925L.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1082L+925L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1082L+925L.out

MON, NOV 28 2016 22:40

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1082L+925L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1082L+925L.out

MON, NOV 28 2016 22:40

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1082L+925L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1082L+925L.out

MON, NOV 28 2016 22:40

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

180.00 / -180.0

TIME (SECONDS)

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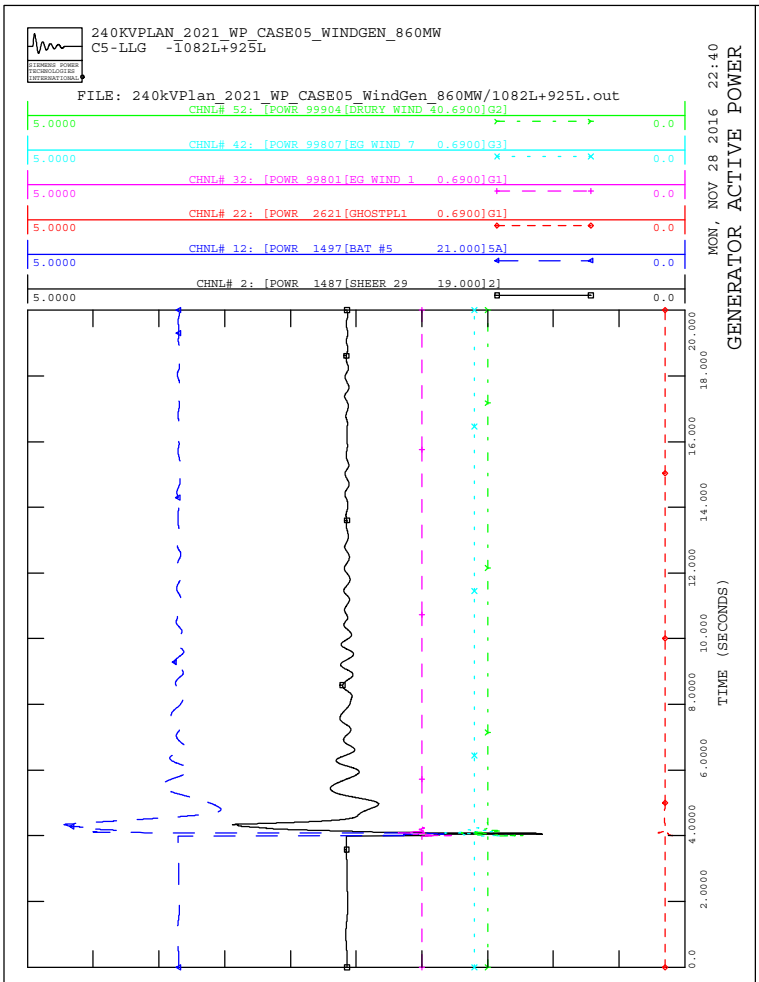
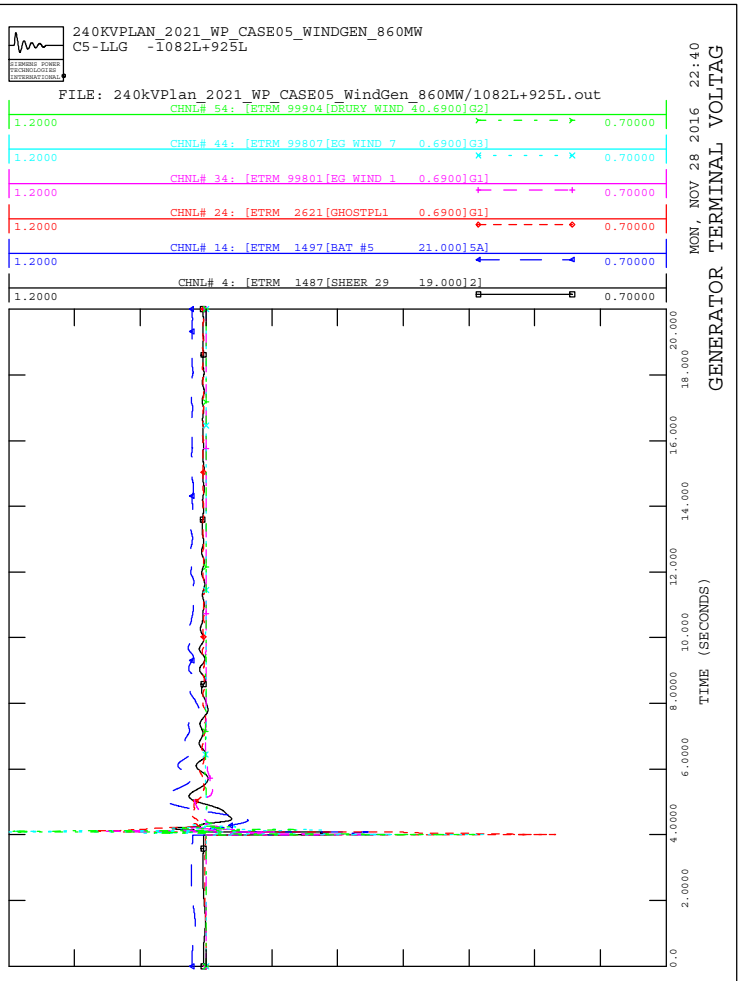
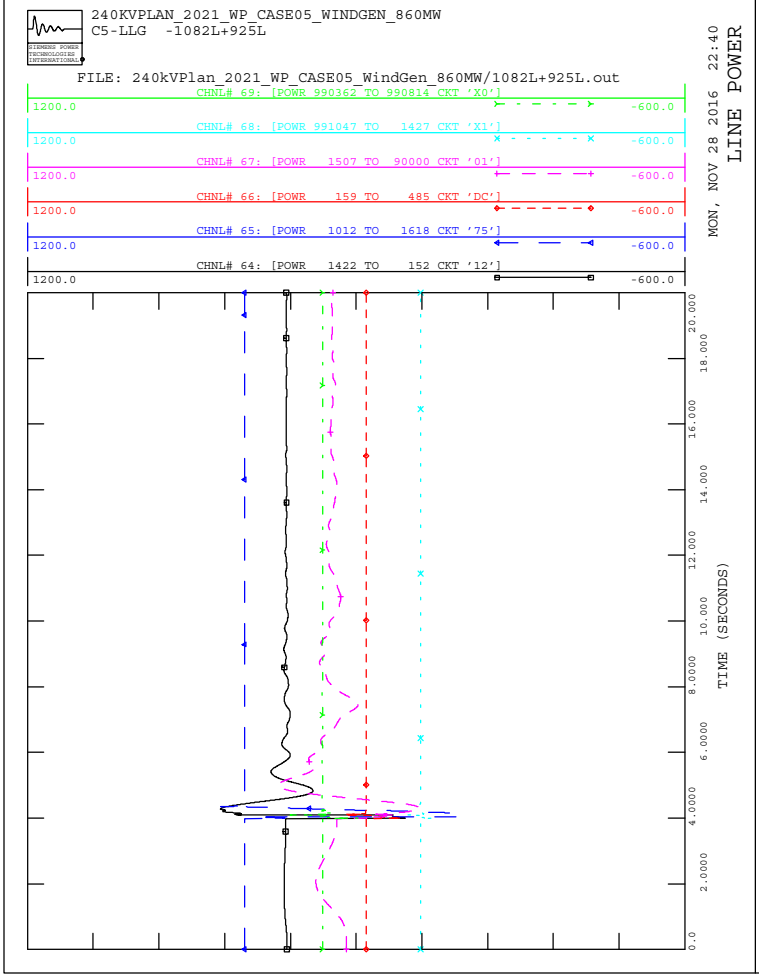
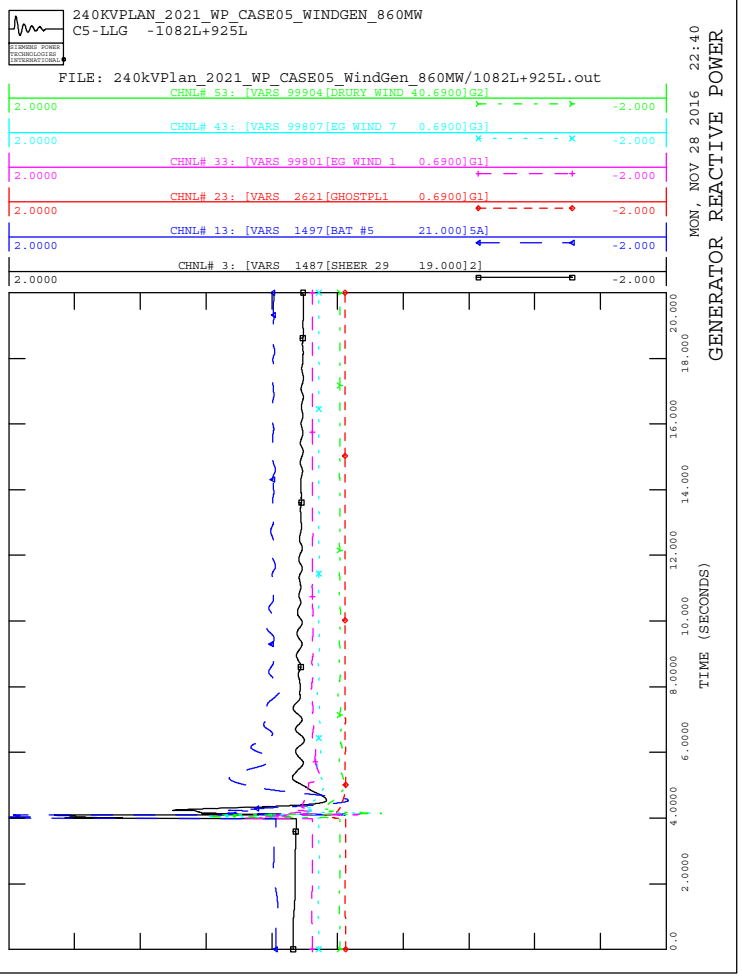

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1082L+925L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1082L+925L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1082L+925L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1082L+925L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1082L+925L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1082L+925L.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

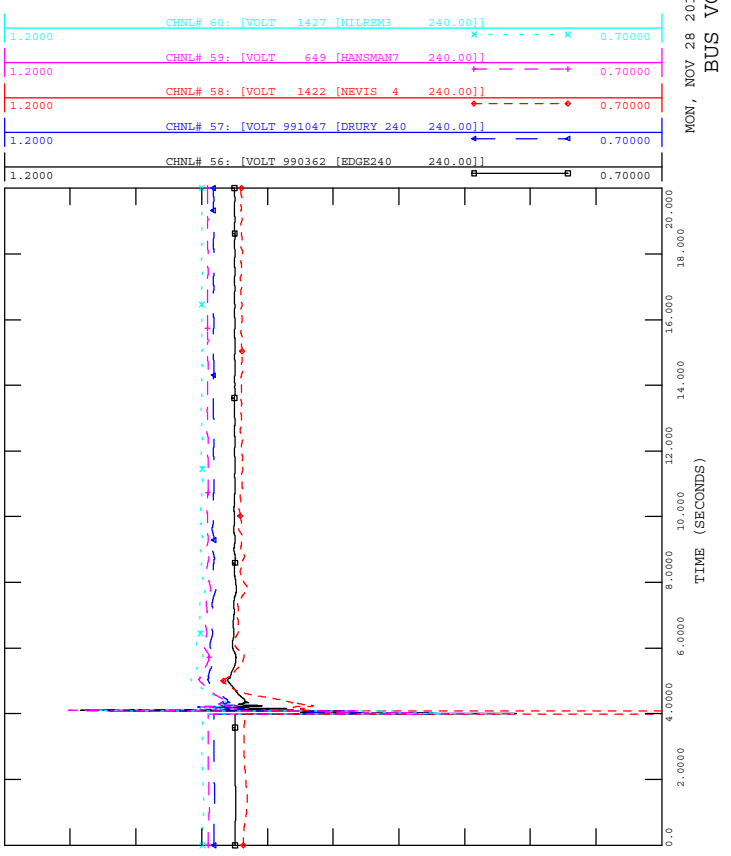

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1082L+925L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1082L+925L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1083L+914L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1083L+914L.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

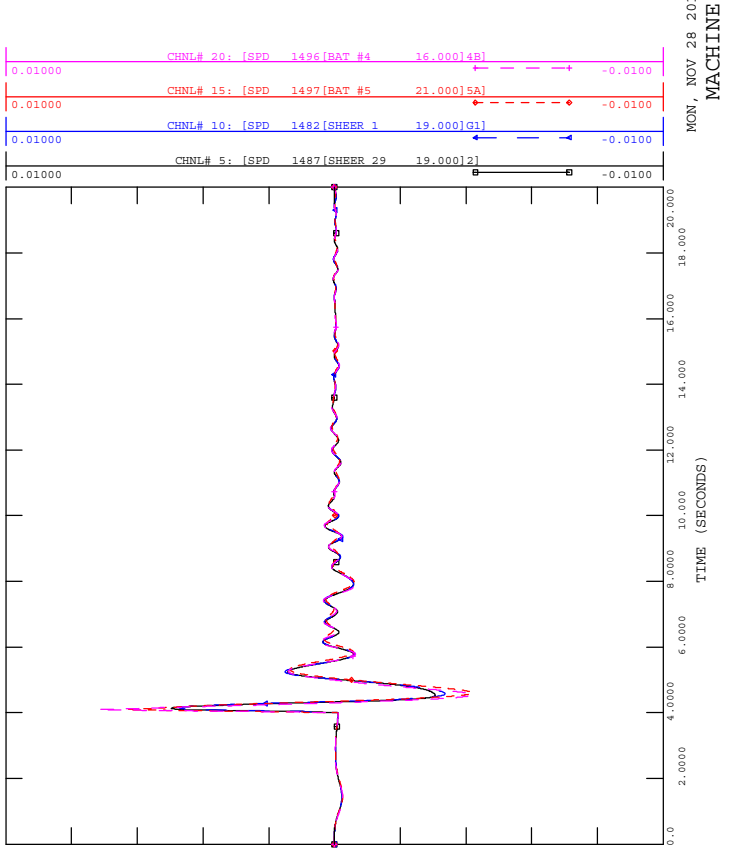


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1083L+914L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1083L+914L.out

MON, NOV 28 2016 22:40

MACHINE SPEED

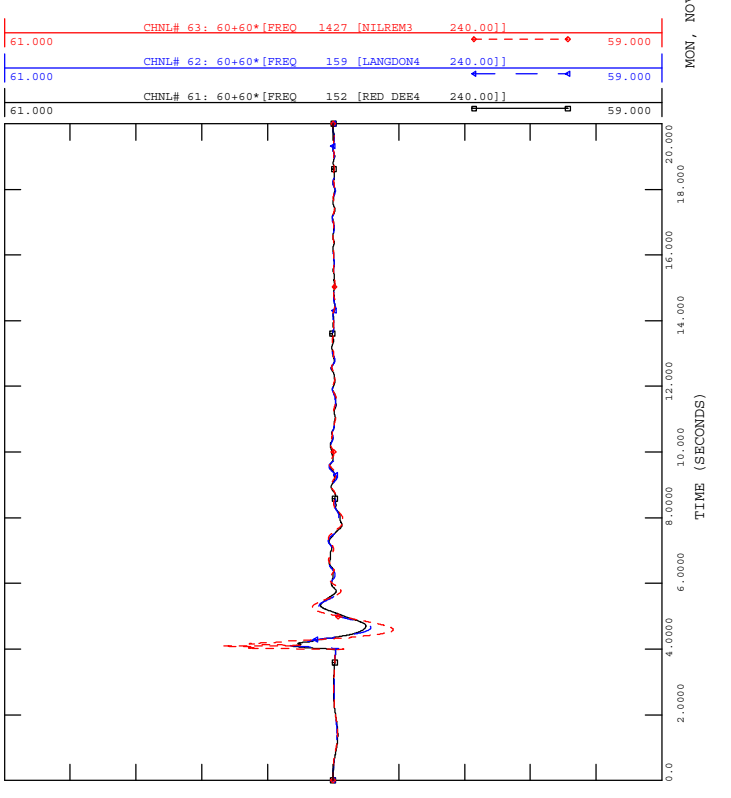


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1083L+914L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1083L+914L.out

MON, NOV 28 2016 22:40

FREQUENCY

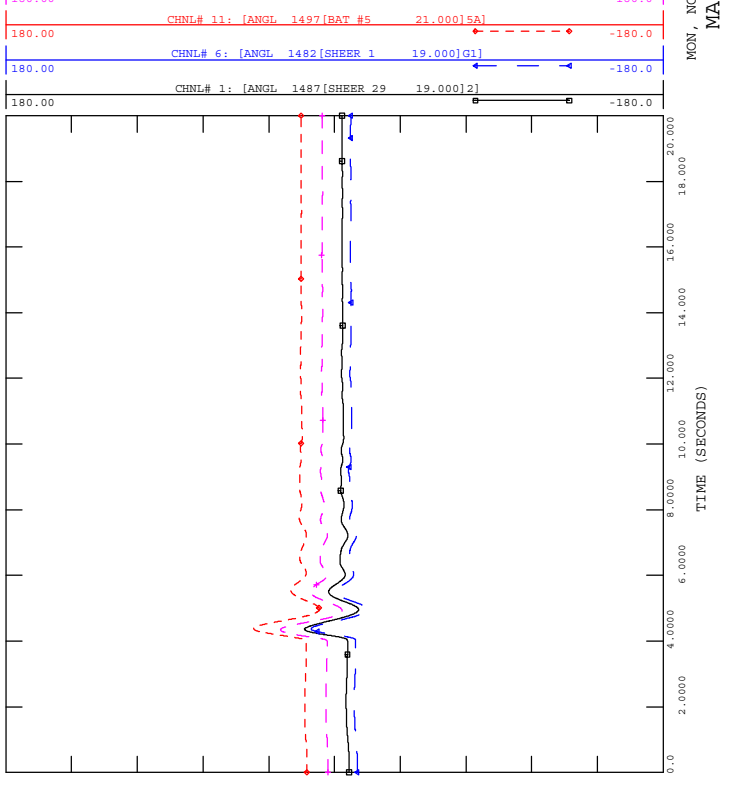


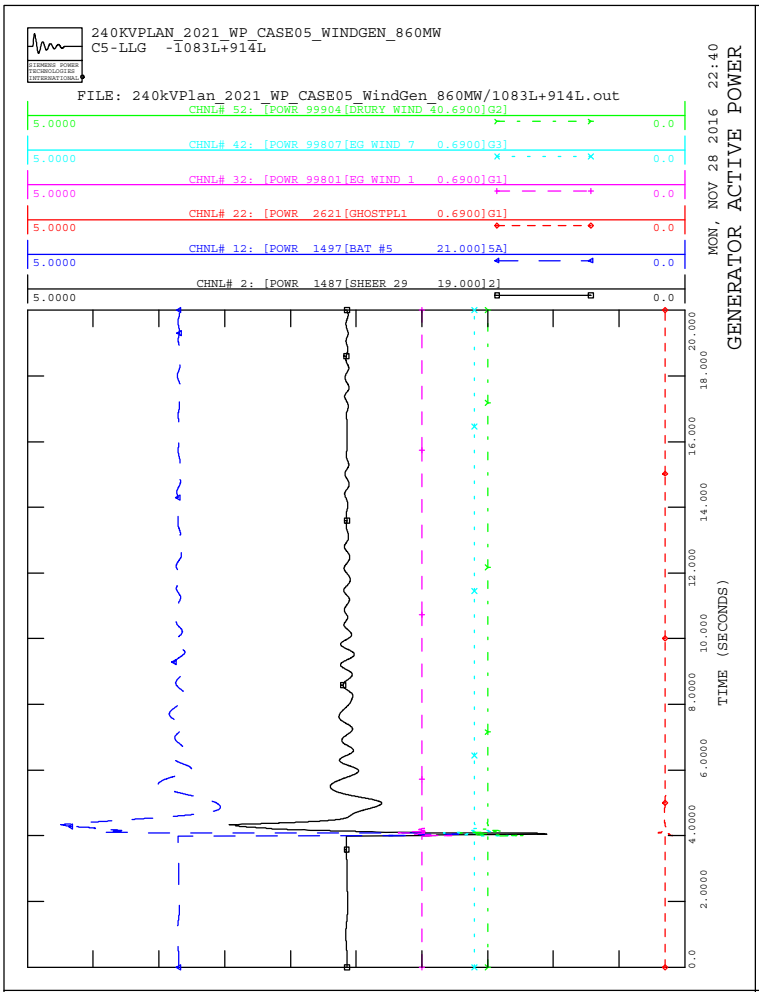
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1083L+914L

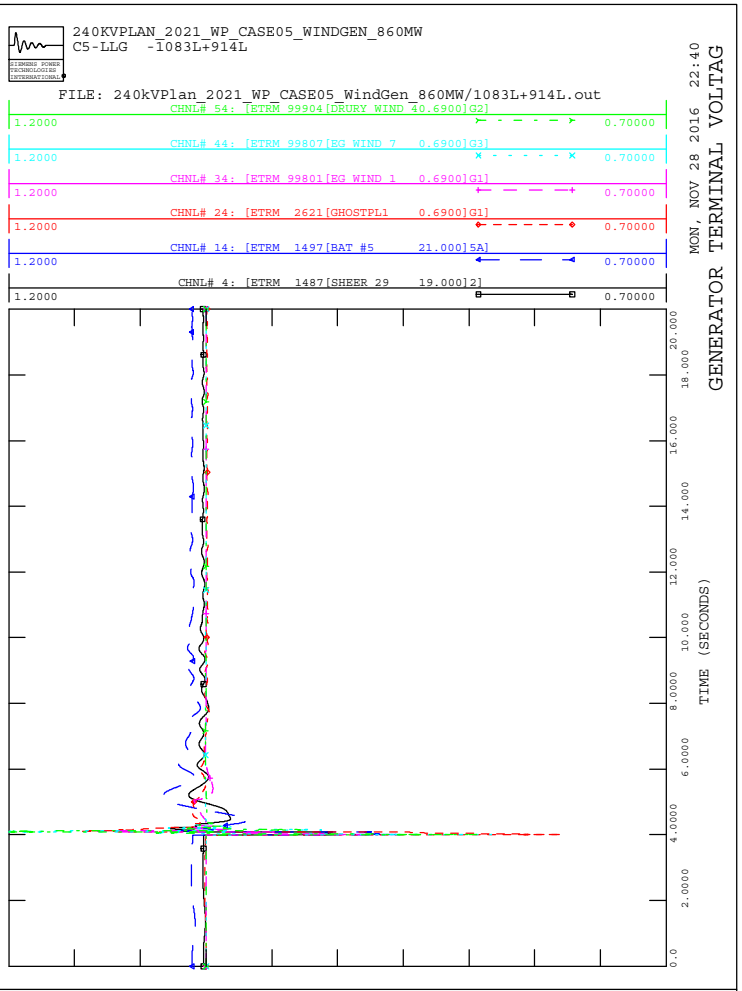
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1083L+914L.out

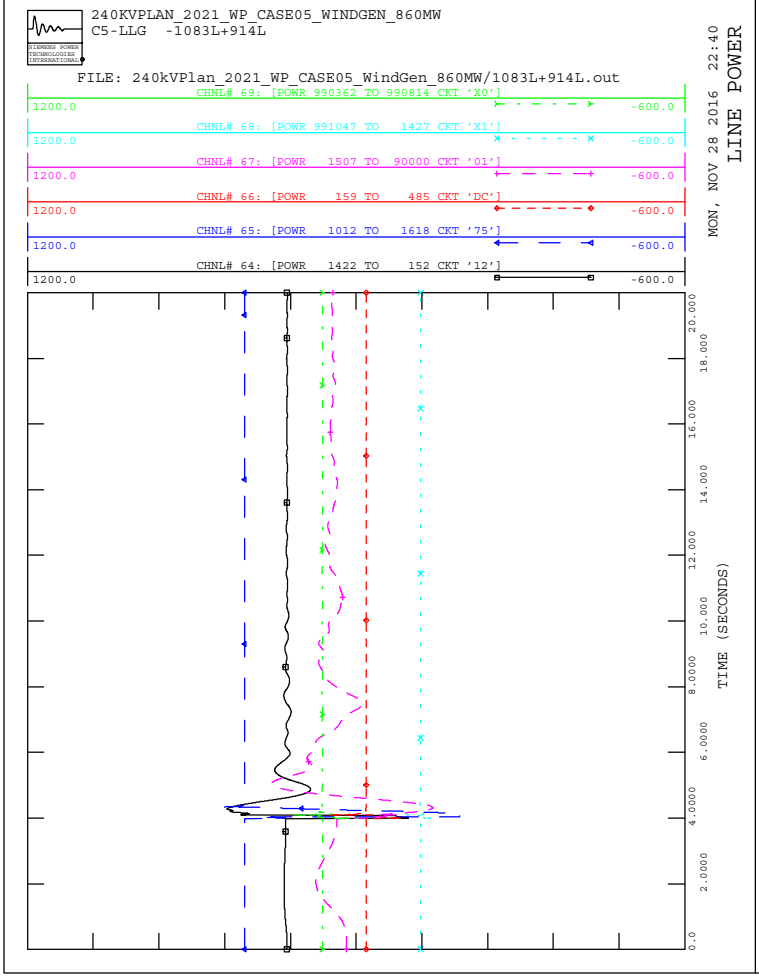
MON, NOV 28 2016 22:40

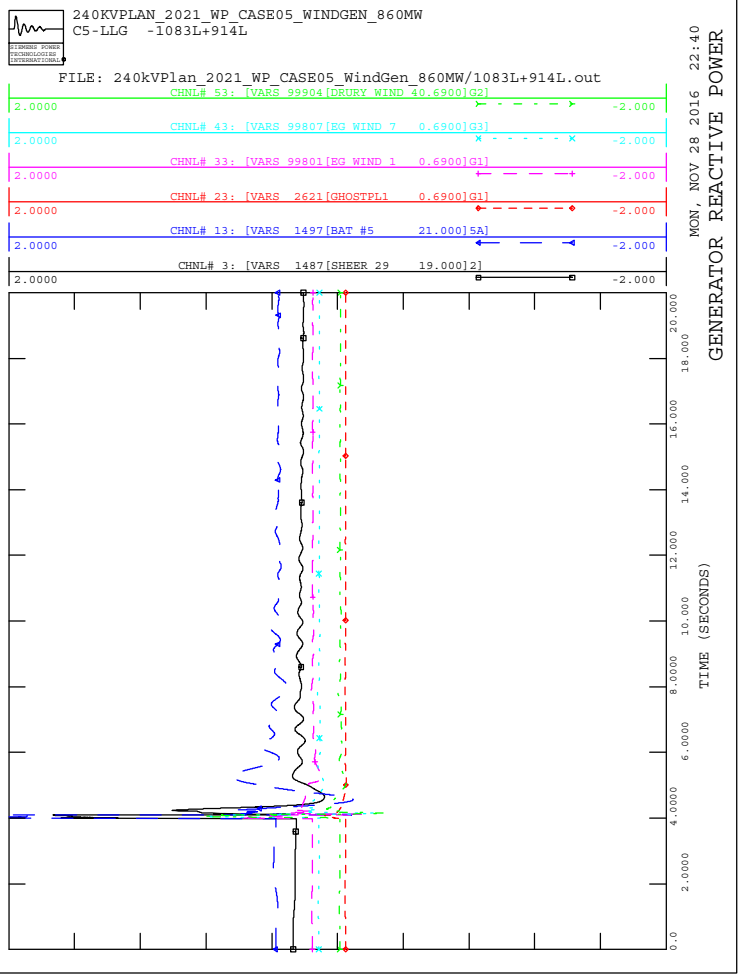
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1083L+914L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1083L+914L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

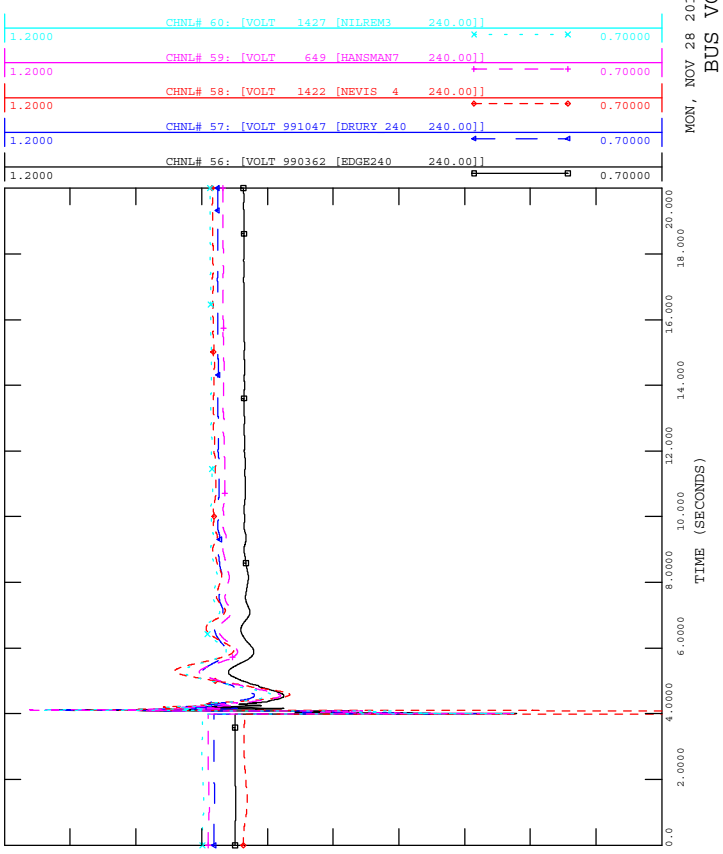

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1083L+914L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1083L+914L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1083L+914L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1083L+914L.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -1083L+914L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1083L+914L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -901L+912L

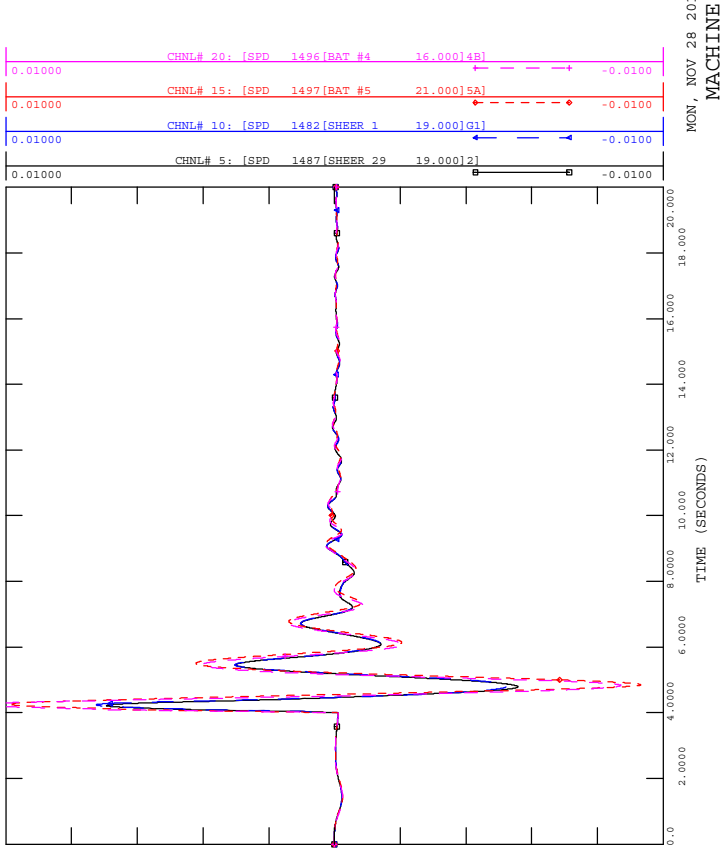
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/901L+912L.out



MON, NOV 28 2016 22:40
BUS VOLTAGE

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -901L+912L

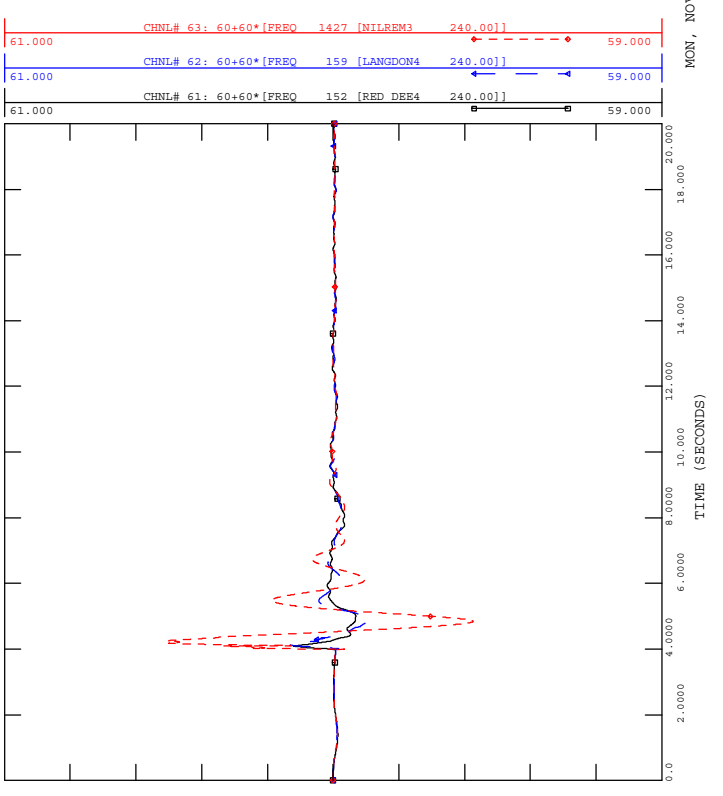
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/901L+912L.out



MON, NOV 28 2016 22:40
MACHINE SPEED

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -901L+912L

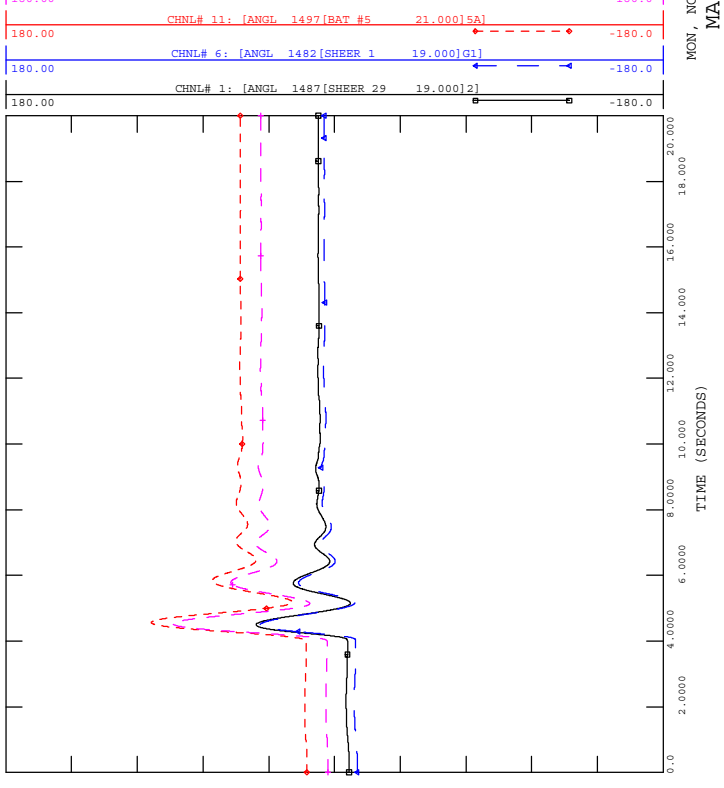
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/901L+912L.out



MON, NOV 28 2016 22:40
FREQUENCY

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -901L+912L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/901L+912L.out



MON, NOV 28 2016 22:40
MACHINE ANGEL

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -901L+912L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/901L+912L.out

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

MON, NOV 28 2016 22:40

GENERATOR ACTIVE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -901L+912L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/901L+912L.out

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

MON, NOV 28 2016 22:40

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -901L+912L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/901L+912L.out

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

MON, NOV 28 2016 22:40

LINE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -901L+912L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/901L+912L.out

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

MON, NOV 28 2016 22:40

GENERATOR REACTIVE POWER

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -912L+914L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L+914L.out

MON, NOV 28 2016 22:40

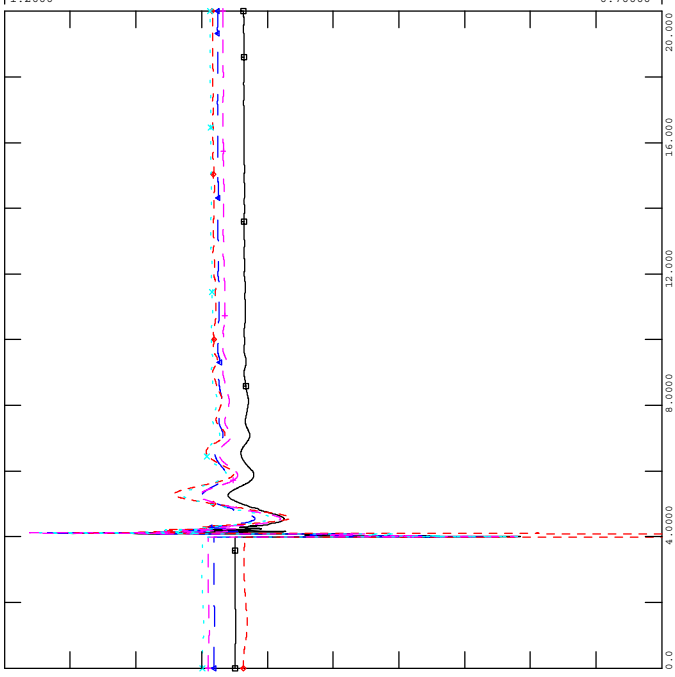
BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -912L+914L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L+914L.out

MON, NOV 28 2016 22:40

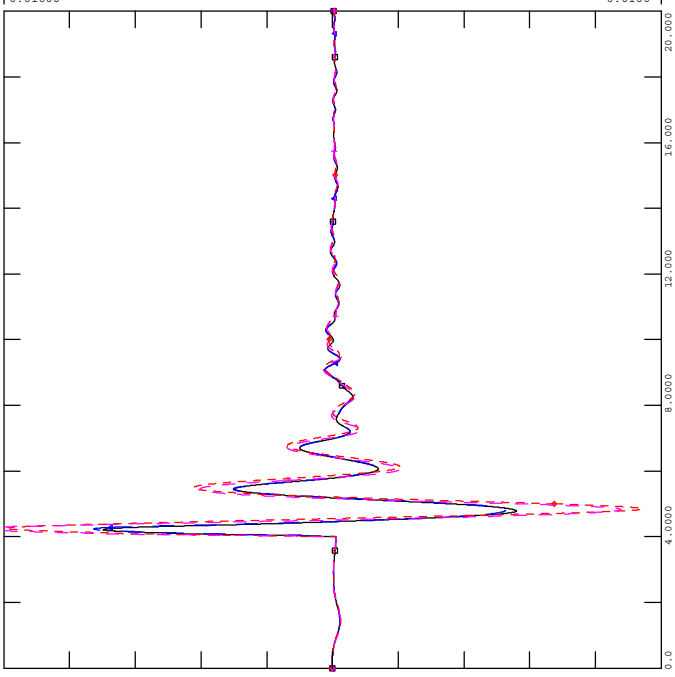
MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -912L+914L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L+914L.out

MON, NOV 28 2016 22:40

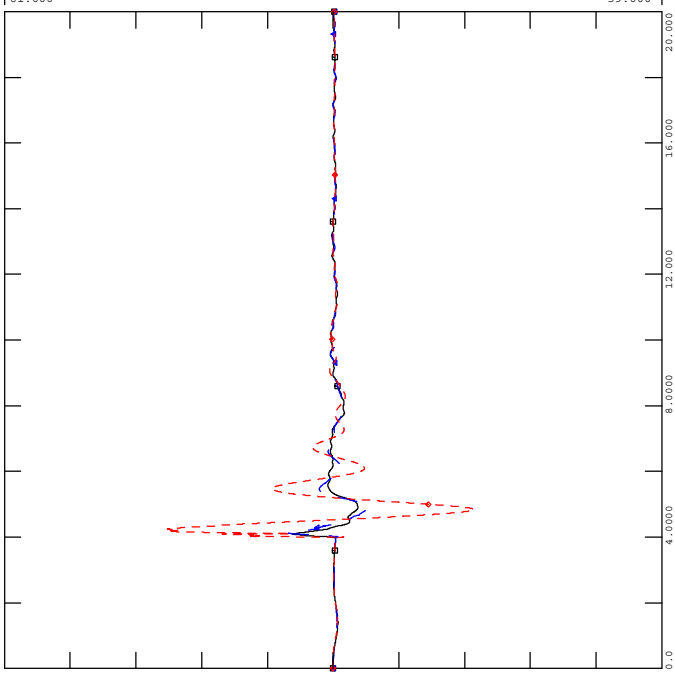
FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -912L+914L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L+914L.out

MON, NOV 28 2016 22:40

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

180.00 / -180.0

TIME (SECONDS)

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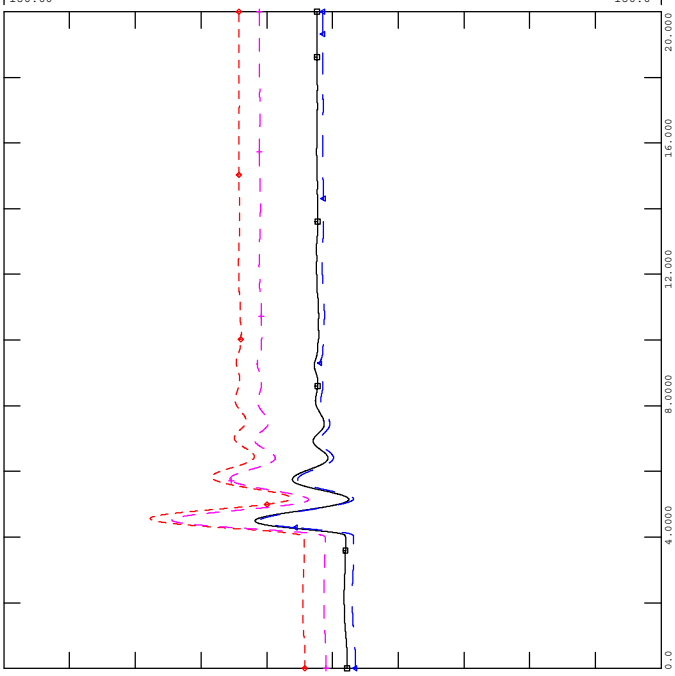
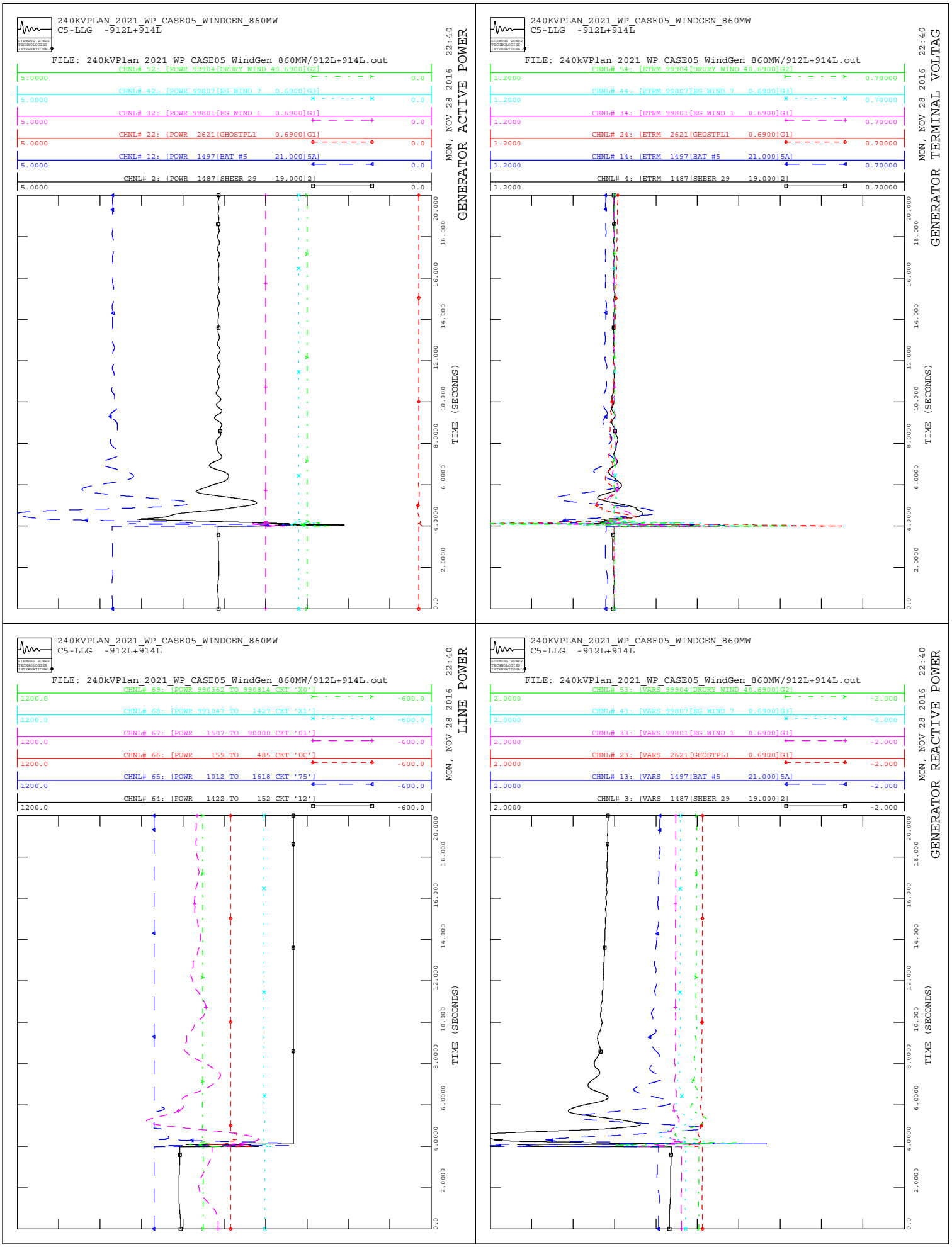


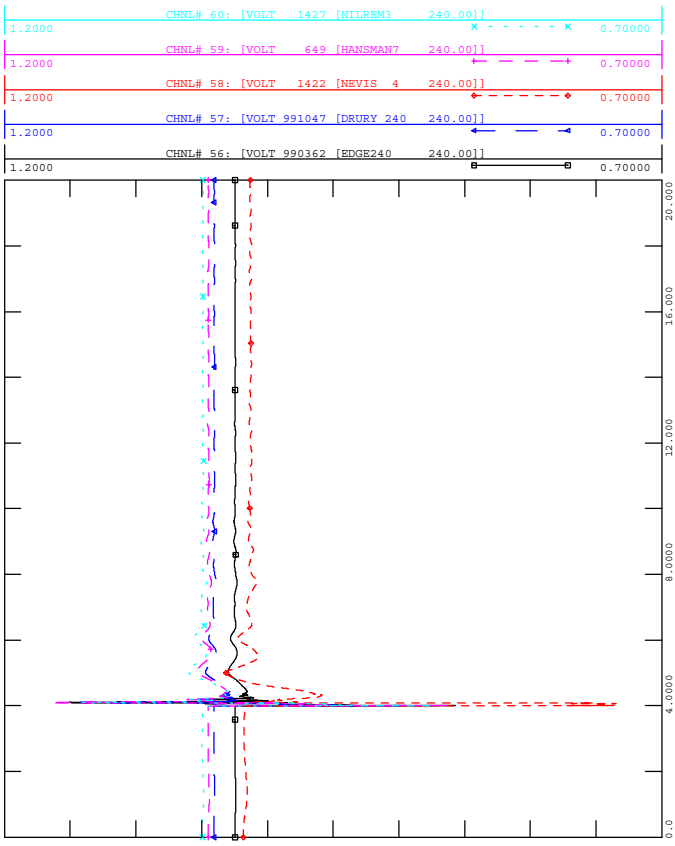

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -912L+914L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L+914L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -912L+914L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L+914L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -912L+914L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L+914L.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -912L+914L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L+914L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -929L+925L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/929L+925L.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

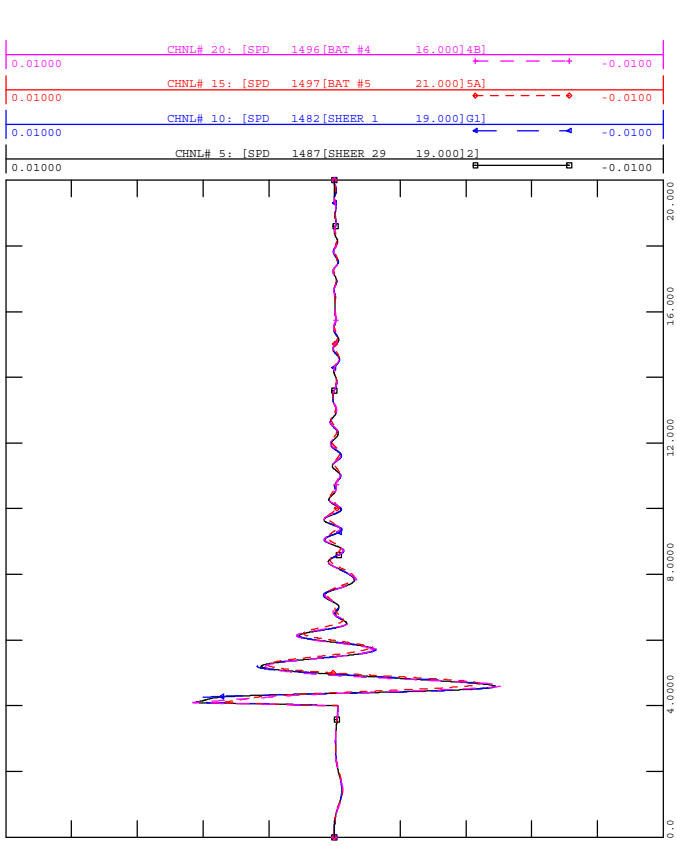


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -929L+925L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/929L+925L.out

MON, NOV 28 2016 22:40

MACHINE SPEED

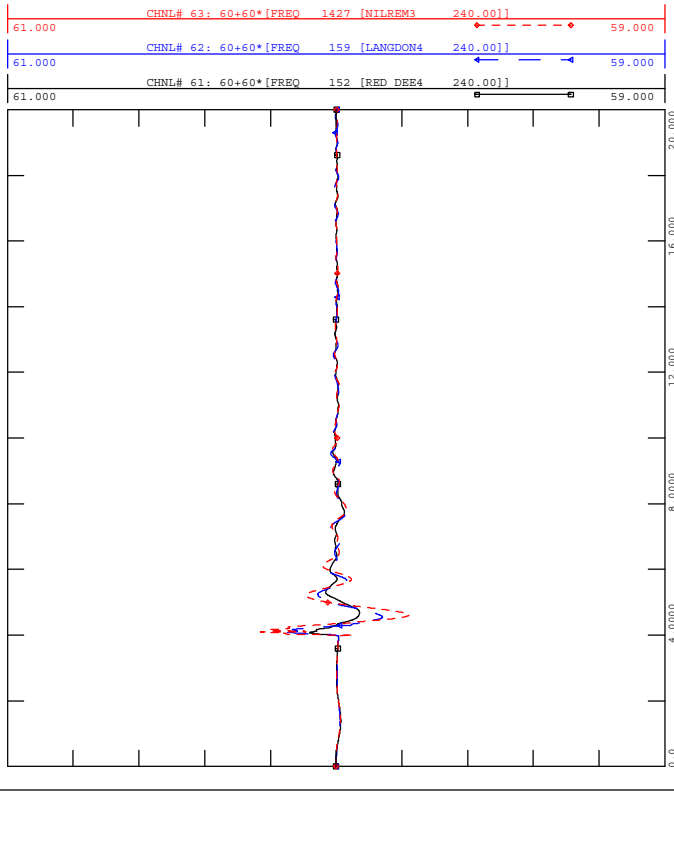


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -929L+925L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/929L+925L.out

MON, NOV 28 2016 22:40

FREQUENCY

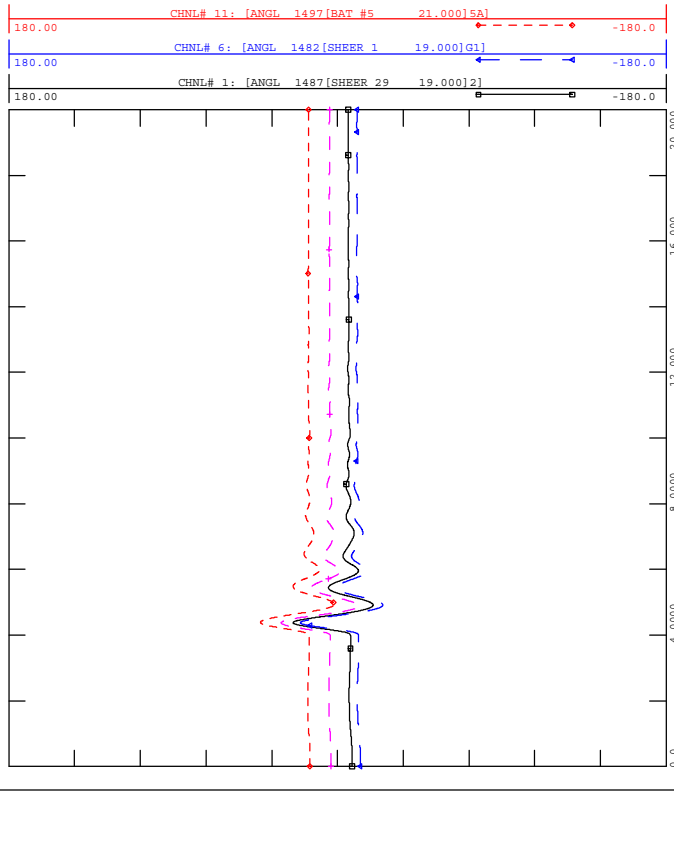


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -929L+925L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/929L+925L.out

MON, NOV 28 2016 22:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -929L+925L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/929L+925L.out

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

MON, NOV 28 2016 22:40

GENERATOR ACTIVE POWER

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -929L+925L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/929L+925L.out

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

MON, NOV 28 2016 22:40

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -929L+925L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/929L+925L.out

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

MON, NOV 28 2016 22:40

LINE POWER

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -929L+925L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/929L+925L.out

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

MON, NOV 28 2016 22:40

GENERATOR REACTIVE POWER

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L80+9L79

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80+9L79.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L80+9L79

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80+9L79.out

MON, NOV 28 2016 22:40

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L80+9L79

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80+9L79.out

MON, NOV 28 2016 22:40

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L80+9L79

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80+9L79.out

MON, NOV 28 2016 22:40

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

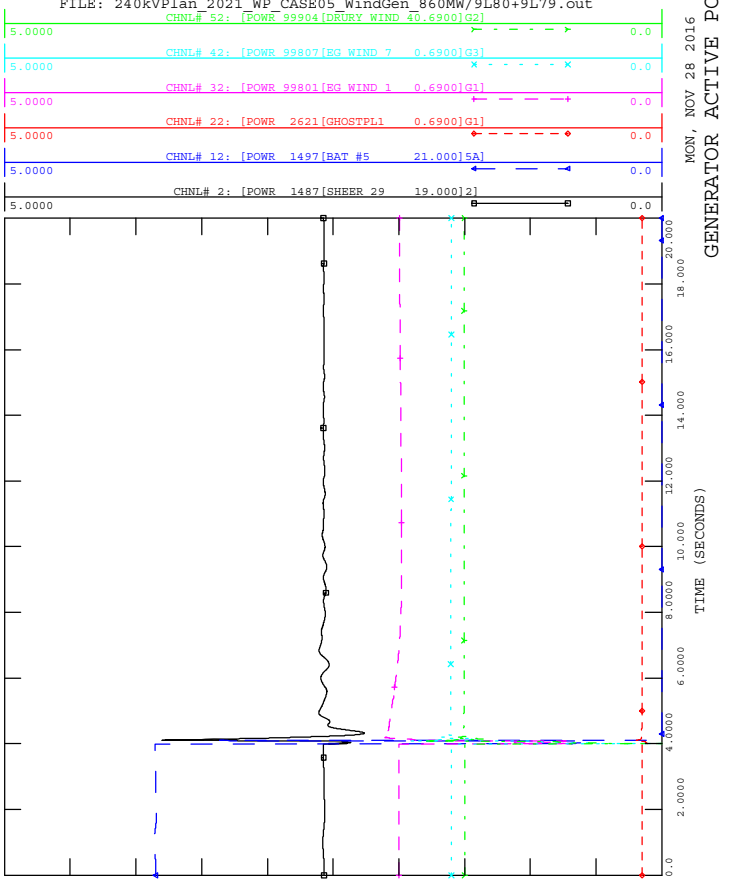
180.00 / -180.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L80+9L79

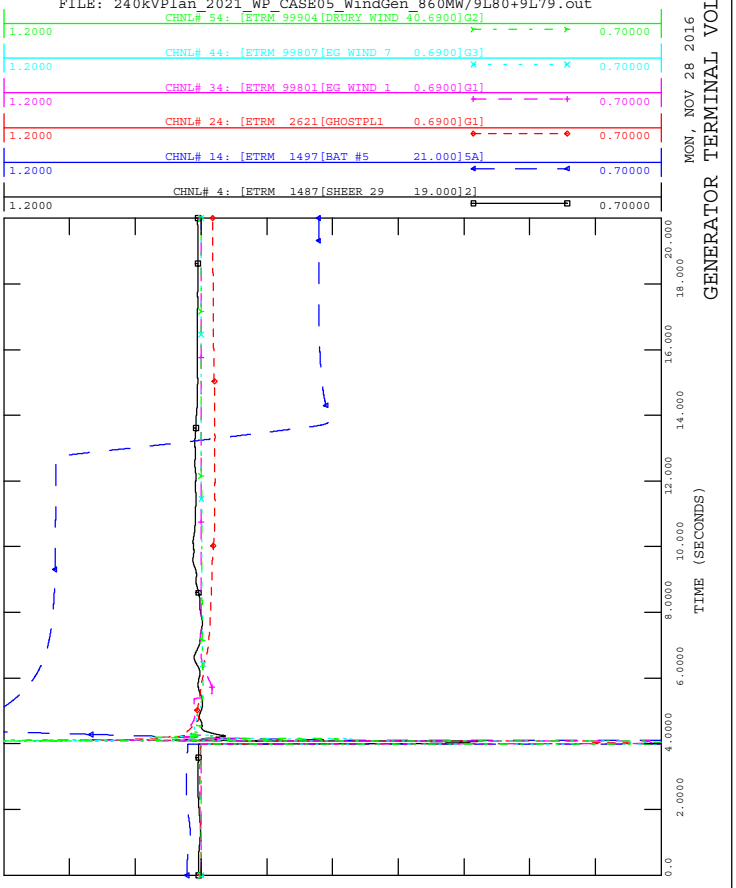
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80+9L79.out



MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L80+9L79

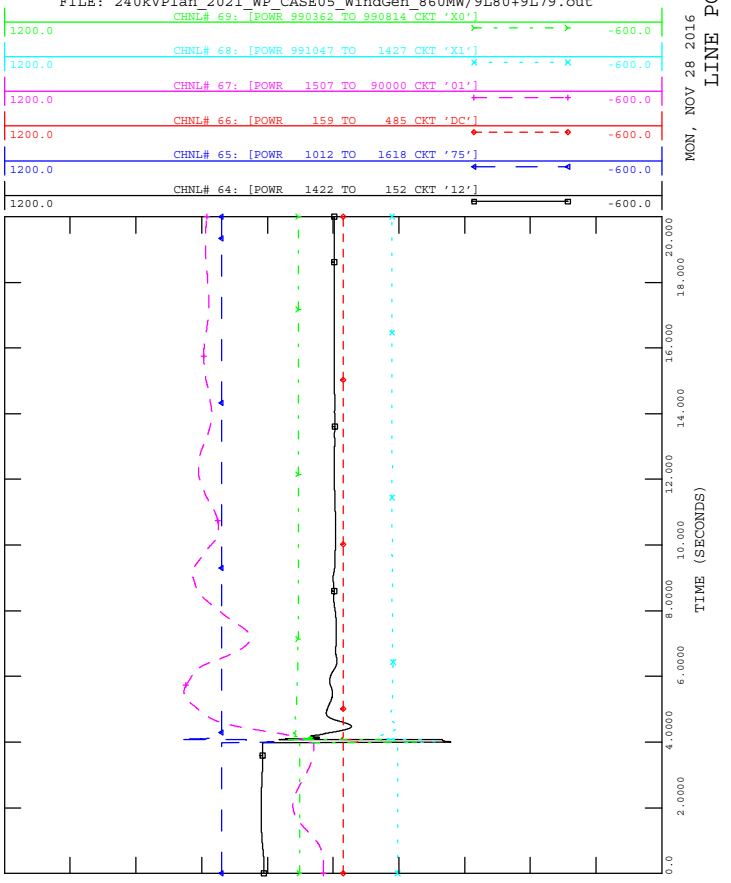
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80+9L79.out



MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L80+9L79

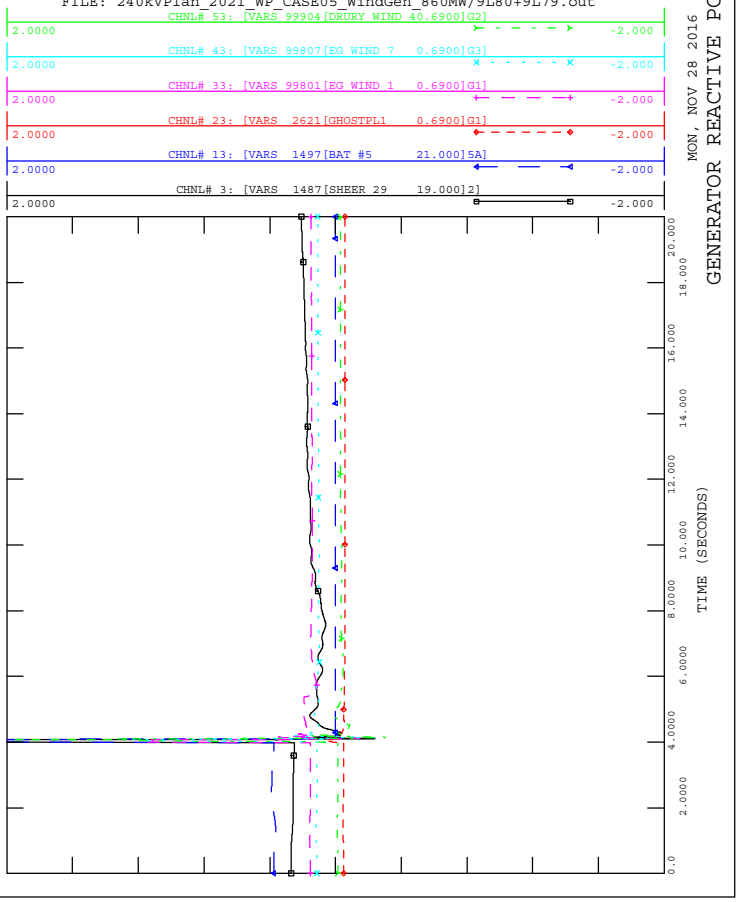
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80+9L79.out



MON, NOV 28 2016 22:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L80+9L79

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80+9L79.out



MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -953L+1047L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L+1047L.out

MON, NOV 28 2016 22:40

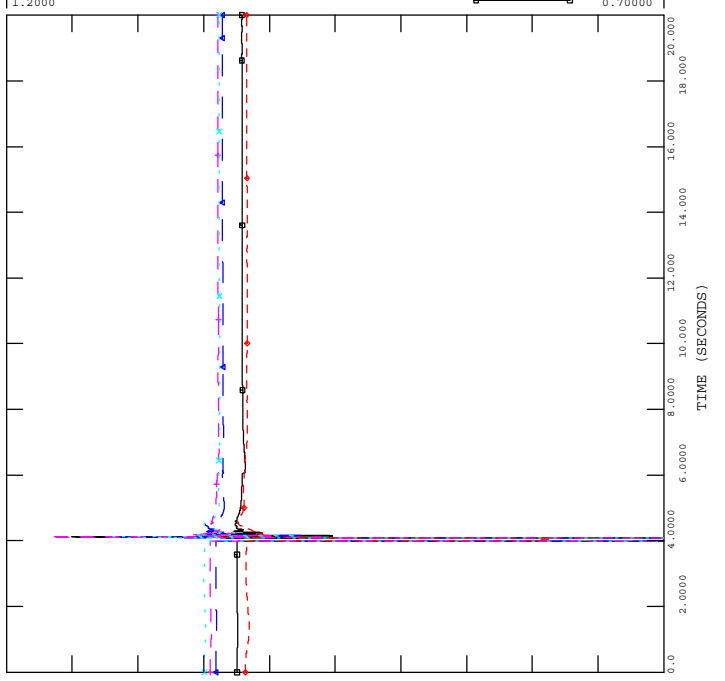
BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -953L+1047L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L+1047L.out

MON, NOV 28 2016 22:40

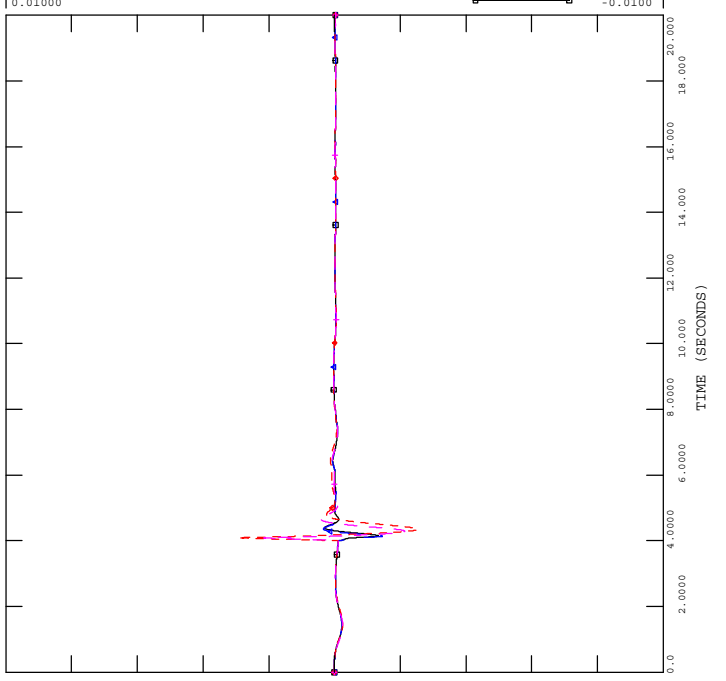
MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -953L+1047L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L+1047L.out

MON, NOV 28 2016 22:40

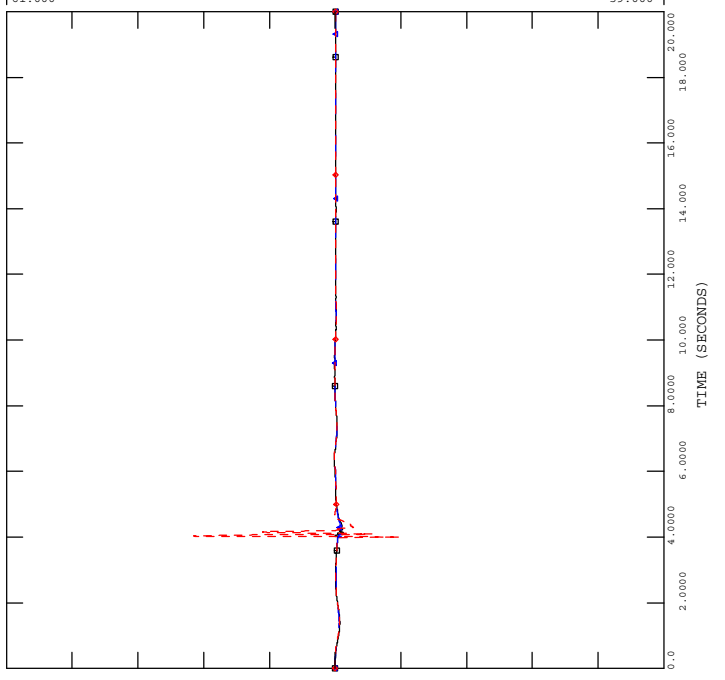
FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -953L+1047L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L+1047L.out

MON, NOV 28 2016 22:40

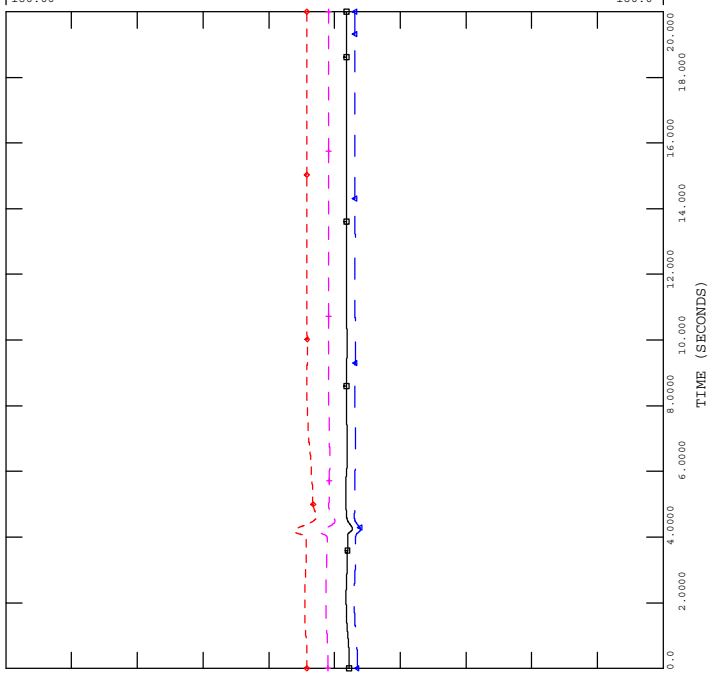
MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

180.00 / -180.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -953L+1047L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L+1047L.out

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

MON, NOV 28 2016 22:40

GENERATOR ACTIVE POWER

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -953L+1047L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L+1047L.out

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

MON, NOV 28 2016 22:40

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -953L+1047L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L+1047L.out

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

MON, NOV 28 2016 22:40

LINE POWER

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -953L+1047L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L+1047L.out

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

MON, NOV 28 2016 22:40

GENERATOR REACTIVE POWER

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -948L+1047L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L+1047L.out

MON, NOV 28 2016 22:40

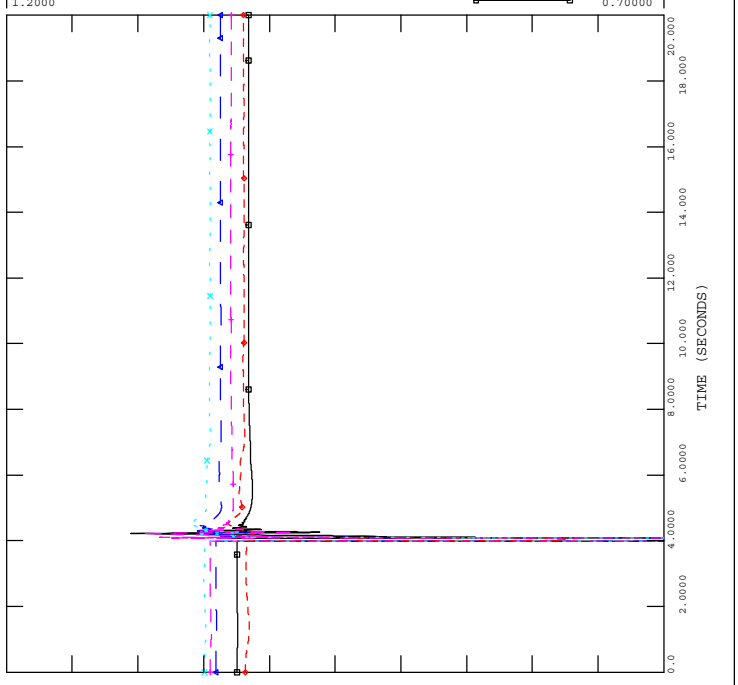
BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -948L+1047L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L+1047L.out

MON, NOV 28 2016 22:40

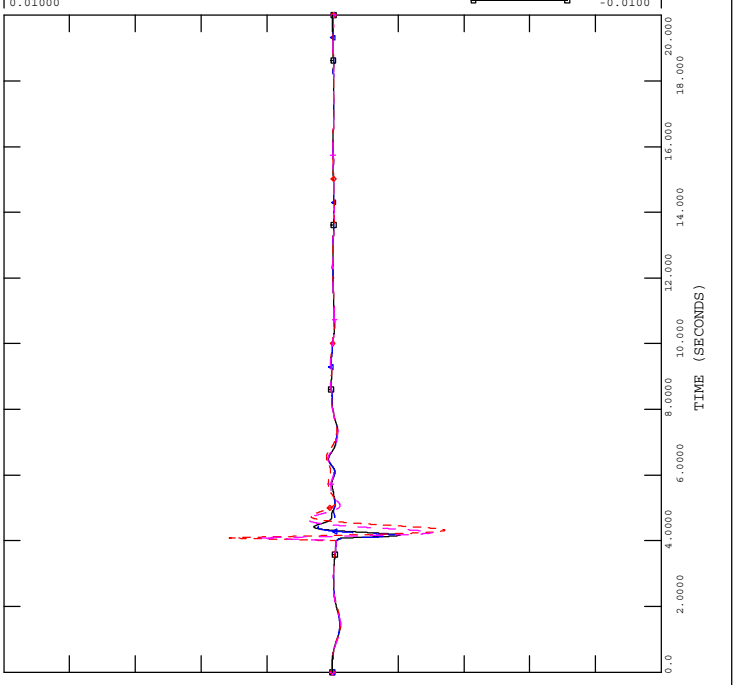
MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -948L+1047L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L+1047L.out

MON, NOV 28 2016 22:40

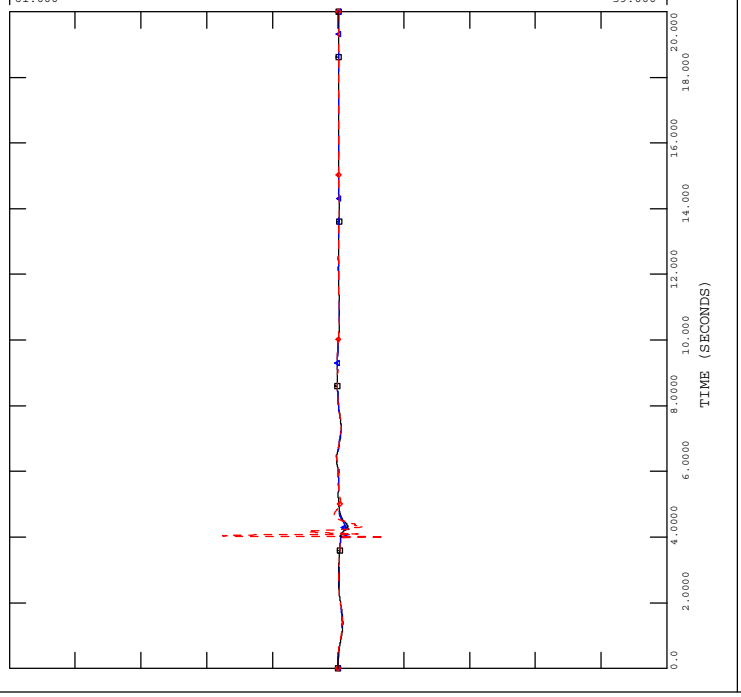
FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -948L+1047L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L+1047L.out

MON, NOV 28 2016 22:40

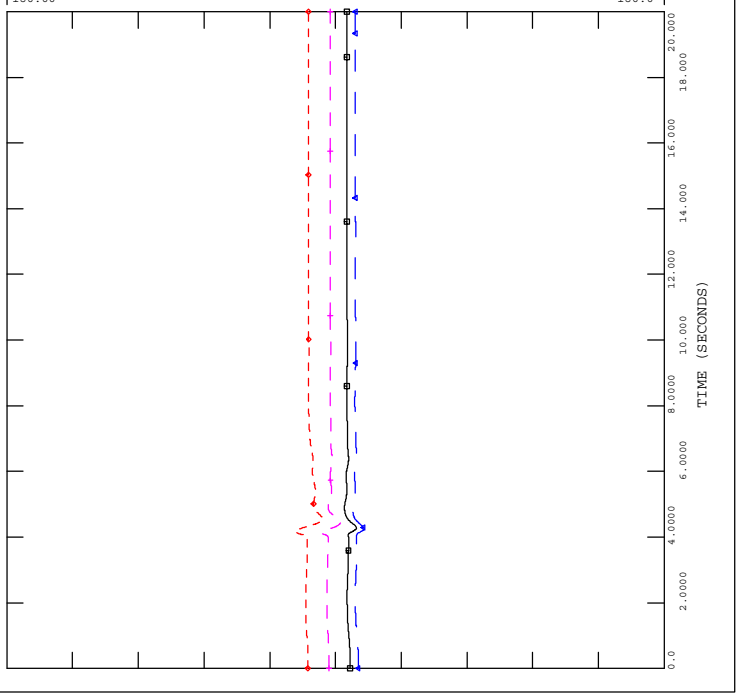
MACHINE ANGEL

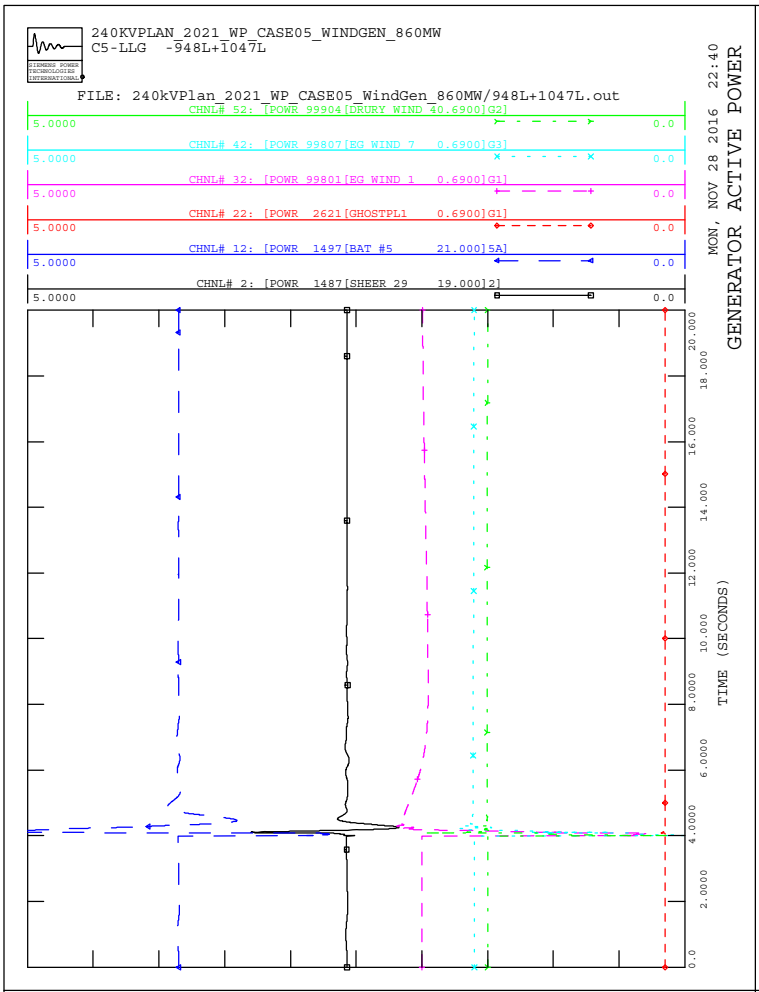
CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

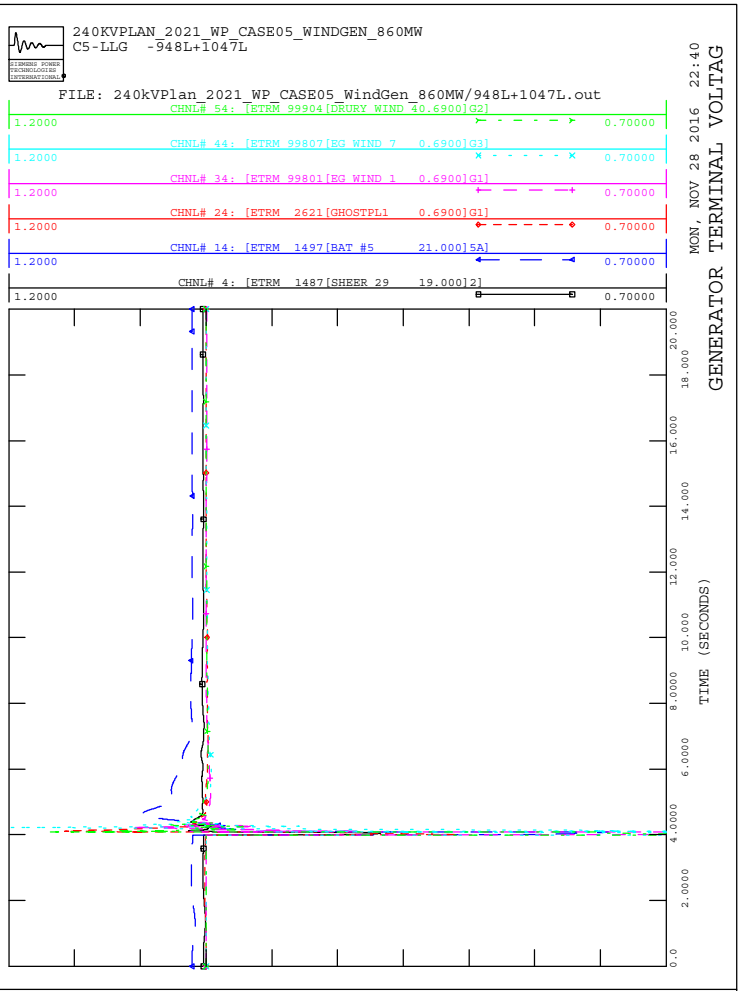
180.00 / -180.0

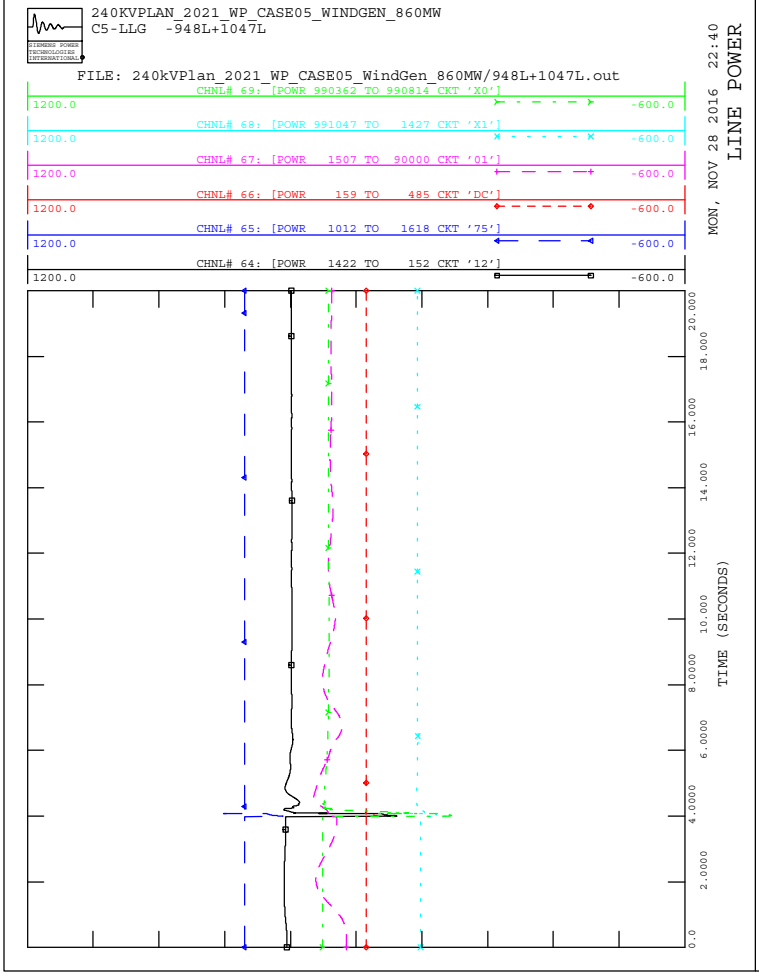
TIME (SECONDS)

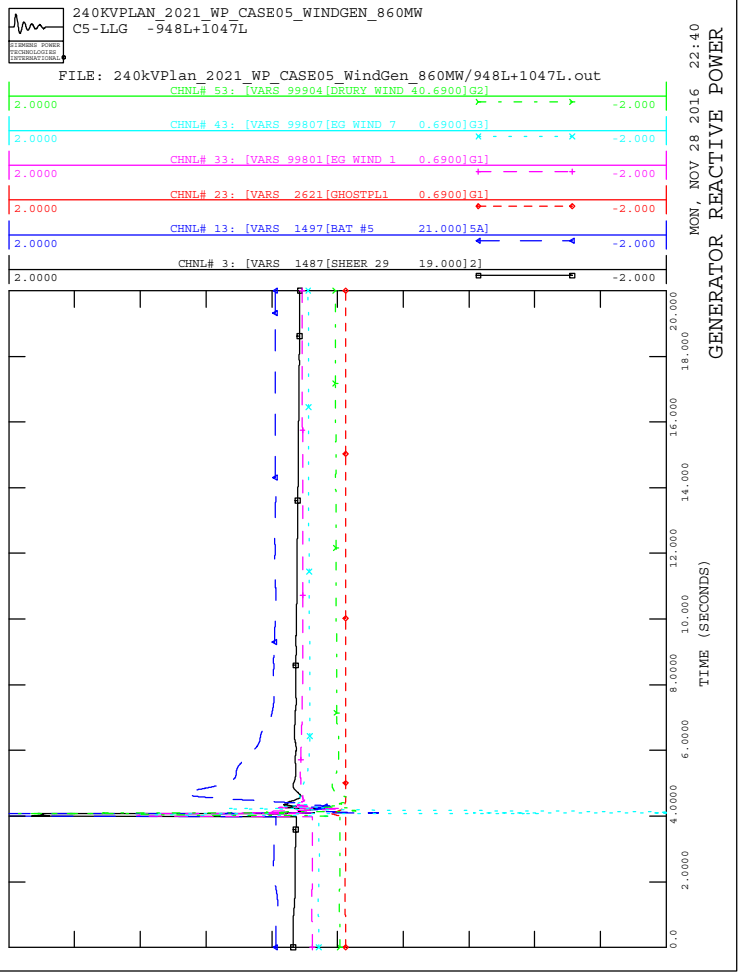
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -948L+1047L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L+1047L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -948L+1047L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L+1047L.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -948L+1047L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L+1047L.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -948L+1047L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L+1047L.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L128+7L171

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L128+7L171.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]] 1.2000 0.70000
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]] 1.2000 0.70000
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]] 1.2000 0.70000
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]] 1.2000 0.70000
CHNL# 56: [VOLT 990362 [EDGE240 240.00]] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L128+7L171

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L128+7L171.out

MON, NOV 28 2016 22:40

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B] 0.01000 -0.0100
CHNL# 15: [SPD 1497[BAT #5 21.000]5A] 0.01000 -0.0100
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1] 0.01000 -0.0100
CHNL# 5: [SPD 1487[SHEER 29 19.000]2] 0.01000 -0.0100

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L128+7L171

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L128+7L171.out

MON, NOV 28 2016 22:40

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]] 61.000 59.000
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]] 61.000 59.000
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]] 61.000 59.000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L128+7L171

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L128+7L171.out

MON, NOV 28 2016 22:40

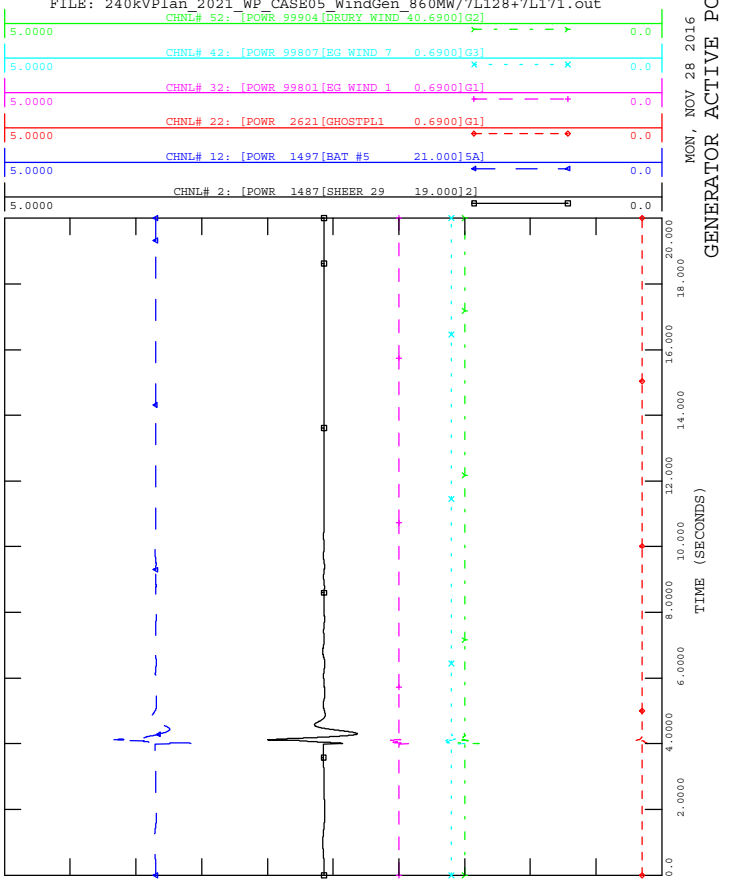
MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B] 180.00 -180.0
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A] 180.00 -180.0
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1] 180.00 -180.0
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2] 180.00 -180.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

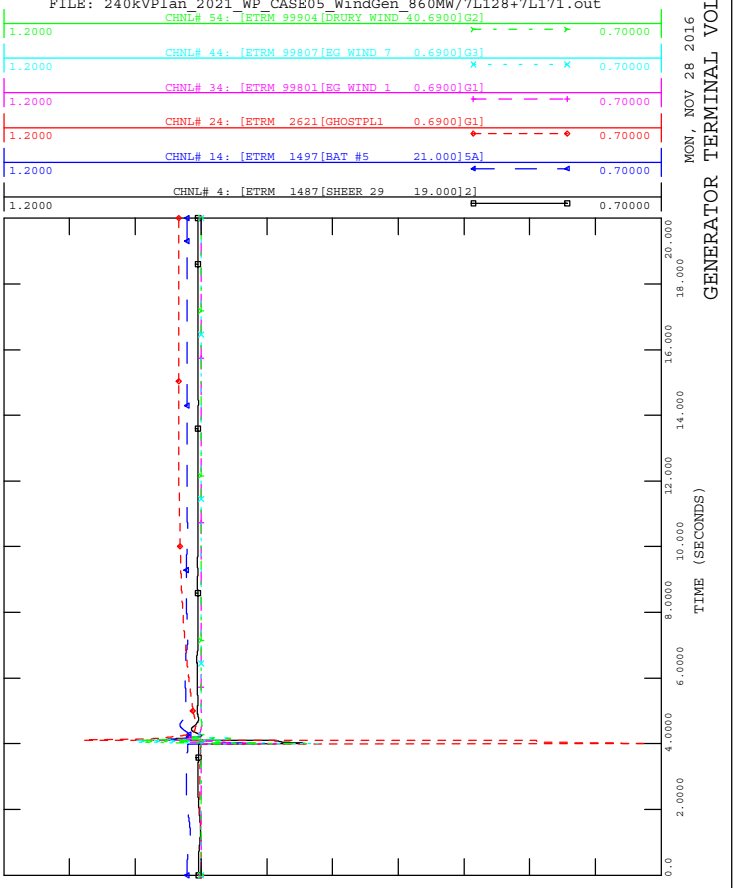
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L128+7L171

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L128+7L171.out



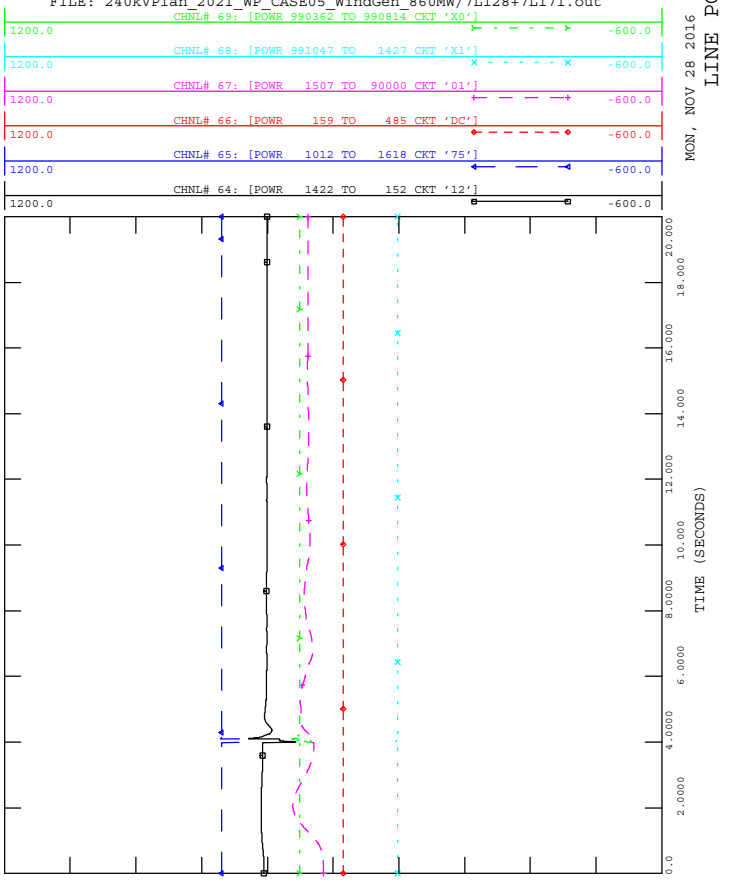
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L128+7L171

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L128+7L171.out



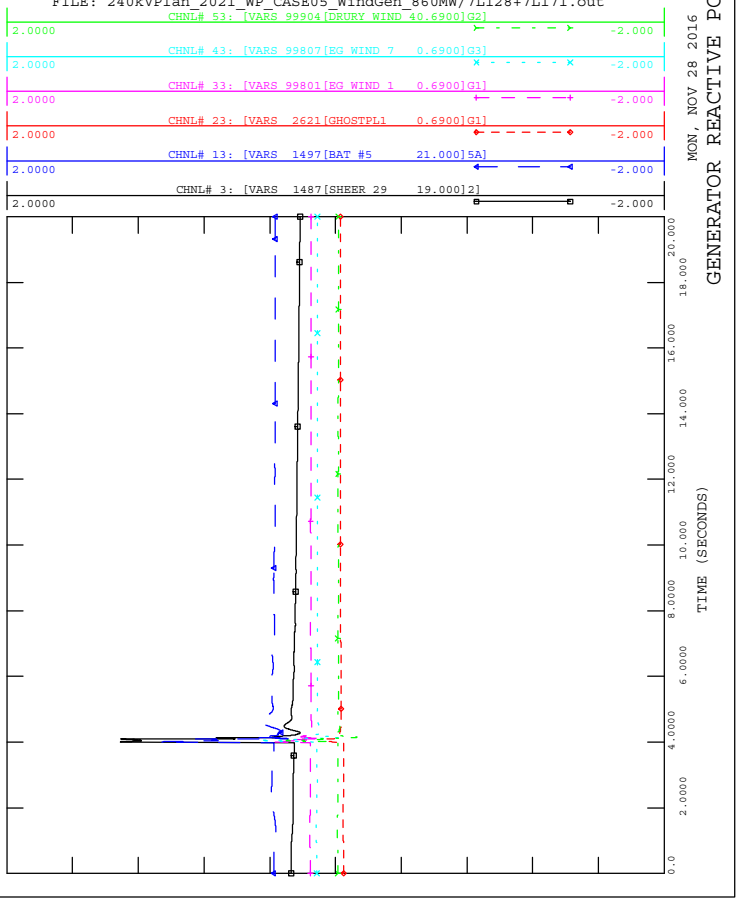
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L128+7L171

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L128+7L171.out



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L128+7L171

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L128+7L171.out

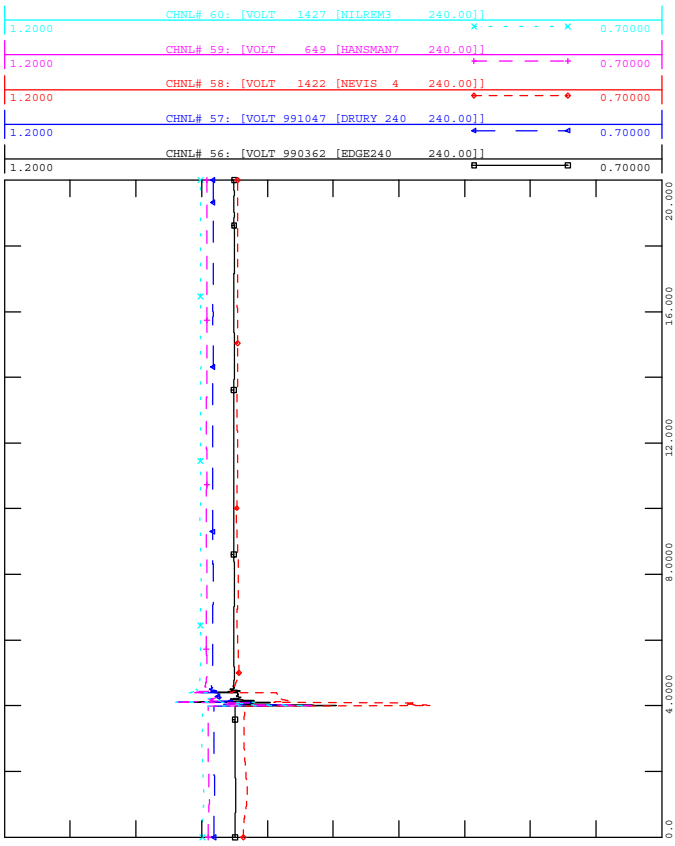


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L16+7L159.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

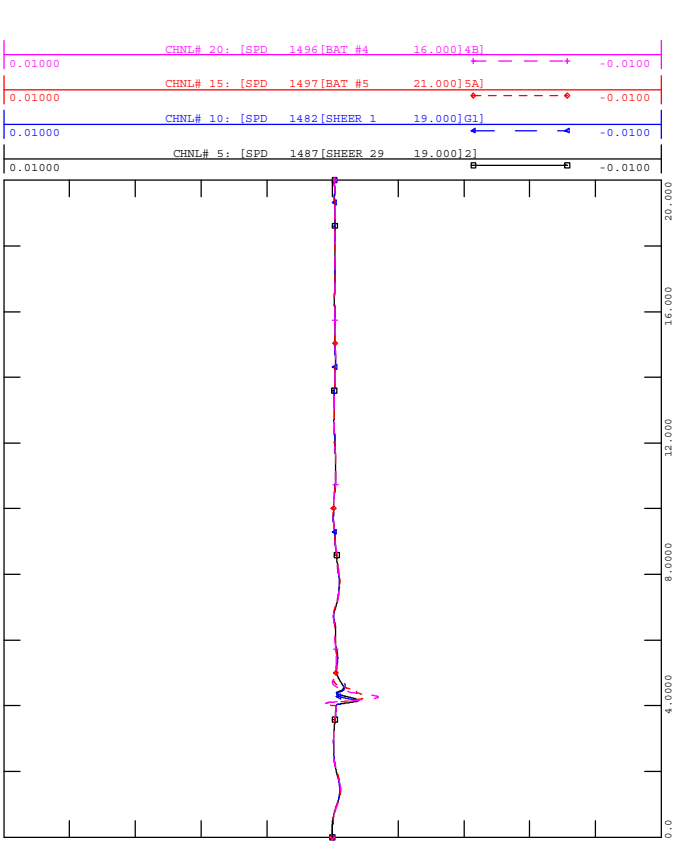


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L16+7L159.out

MON, NOV 28 2016 22:40

MACHINE SPEED

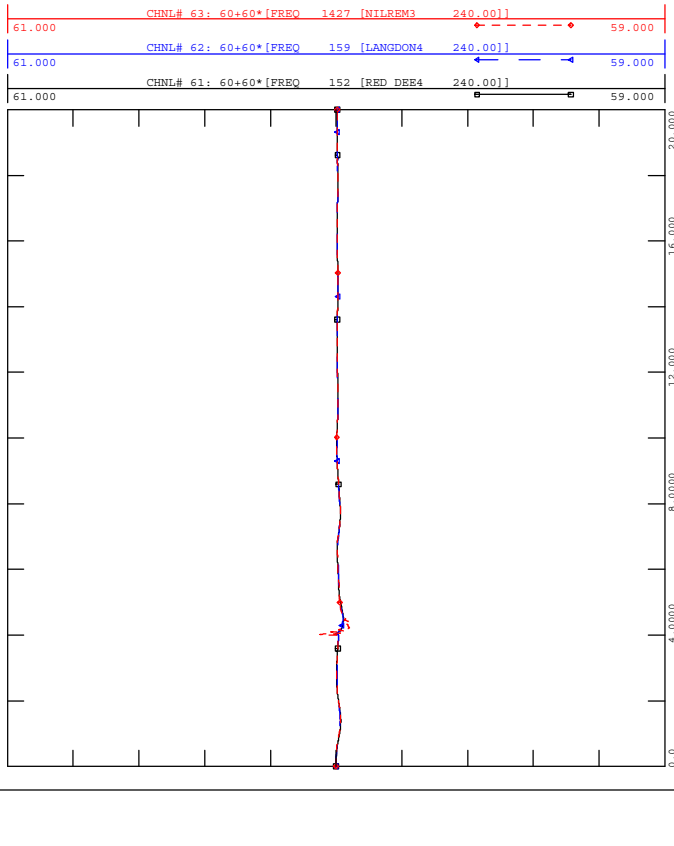


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L16+7L159.out

MON, NOV 28 2016 22:40

FREQUENCY

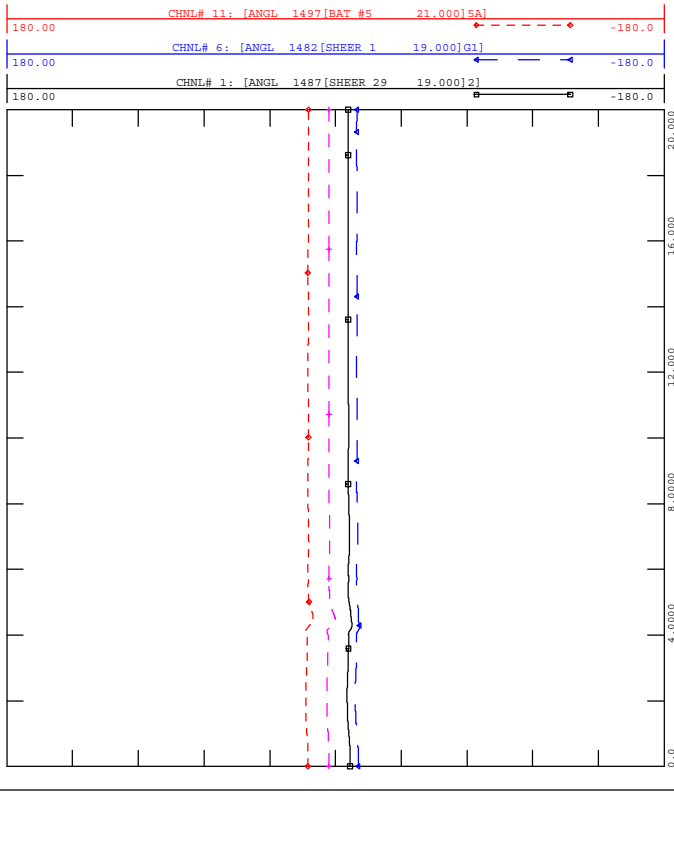


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L16+7L159.out

MON, NOV 28 2016 22:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L16+7L159.out

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

MON, NOV 28 2016 22:40

GENERATOR ACTIVE POWER

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L16+7L159.out

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

MON, NOV 28 2016 22:40

GENERATOR TERMINAL VOLTAG

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L16+7L159.out

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

MON, NOV 28 2016 22:40

LINE POWER

TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L16+7L159

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L16+7L159.out

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

MON, NOV 28 2016 22:40

GENERATOR REACTIVE POWER

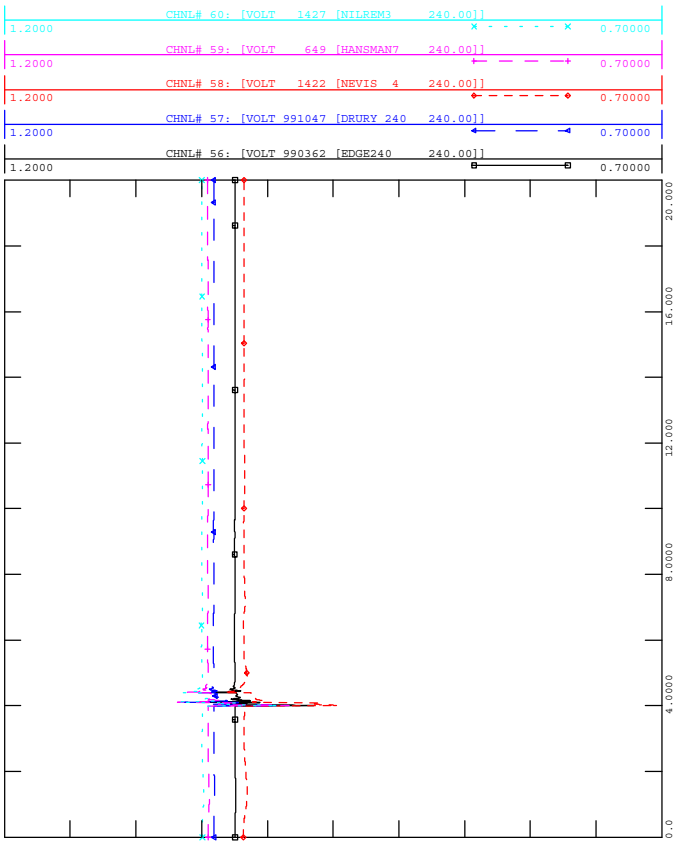
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L25+7L137

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L25+7L137.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

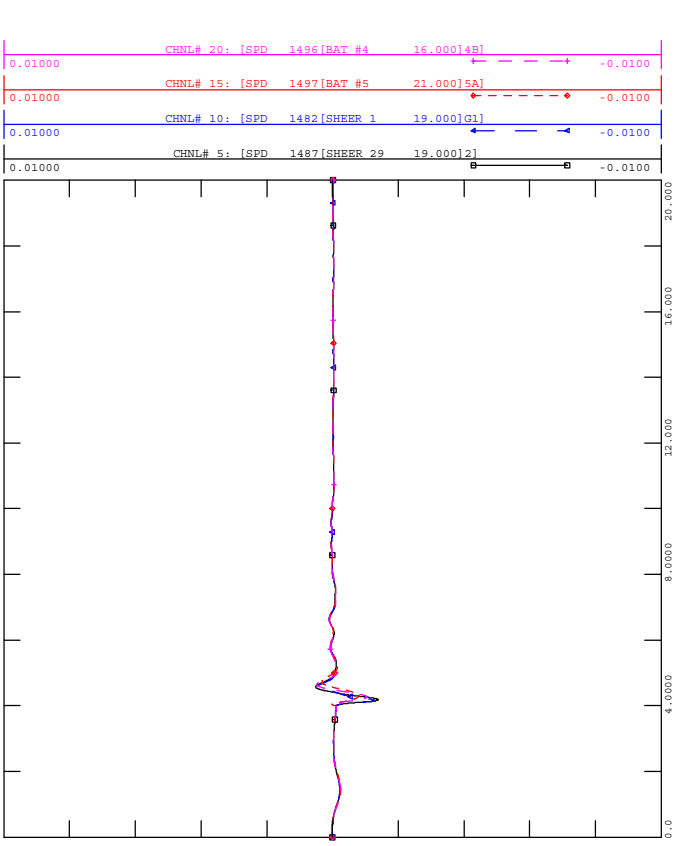


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L25+7L137

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L25+7L137.out

MON, NOV 28 2016 22:40

MACHINE SPEED

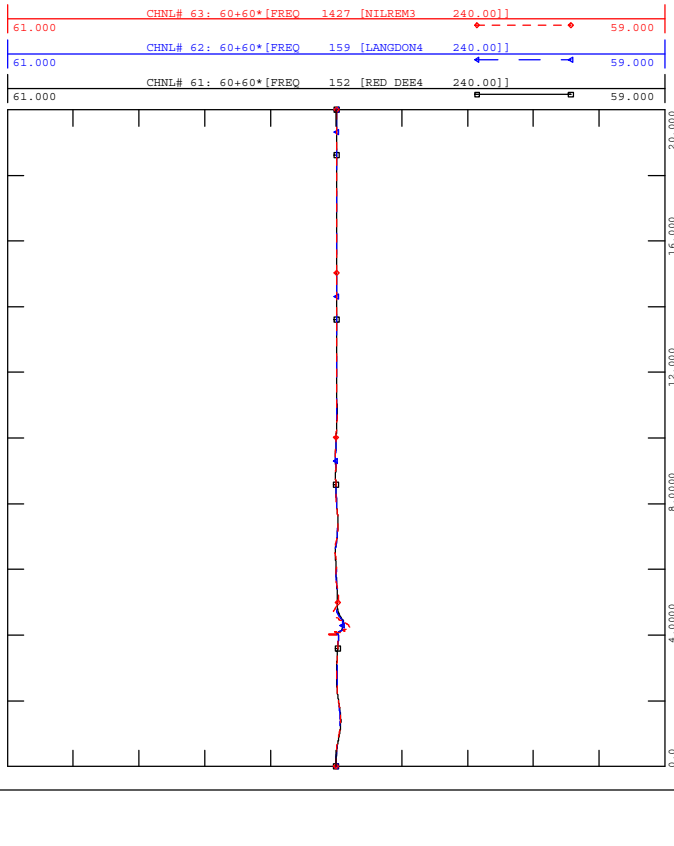


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L25+7L137

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L25+7L137.out

MON, NOV 28 2016 22:40

FREQUENCY

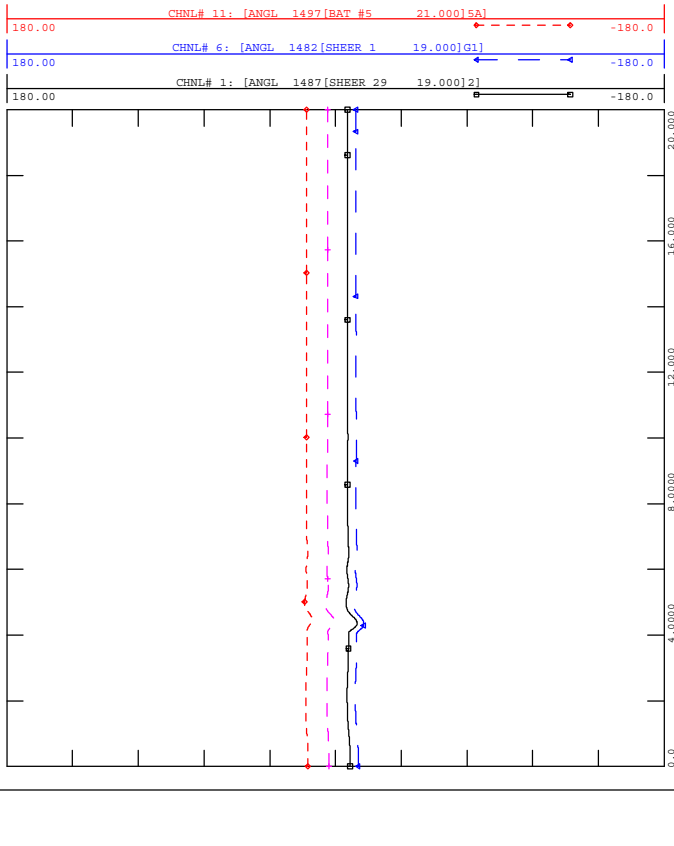


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L25+7L137

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L25+7L137.out

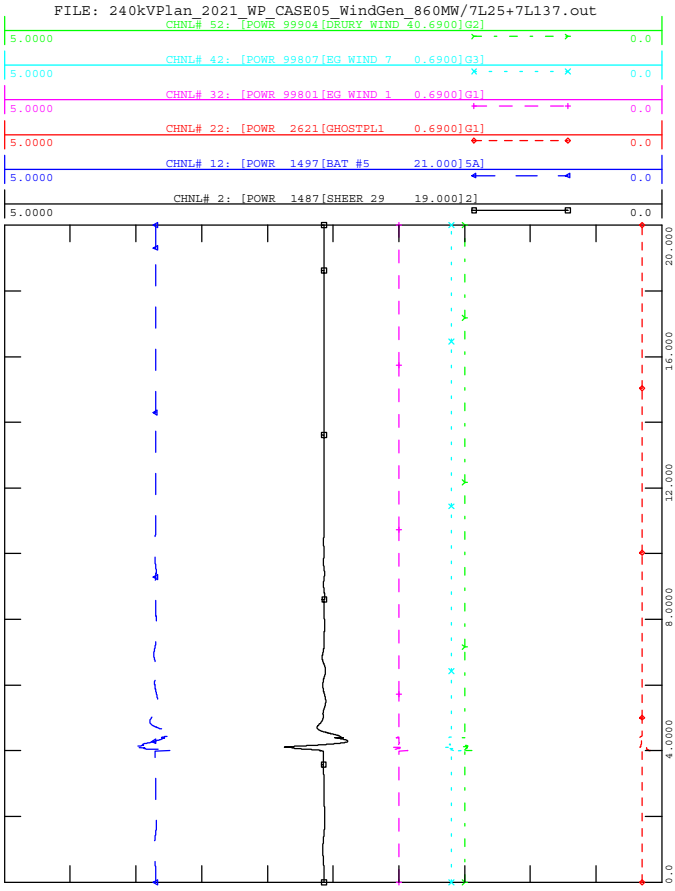
MON, NOV 28 2016 22:40

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L25+7L137

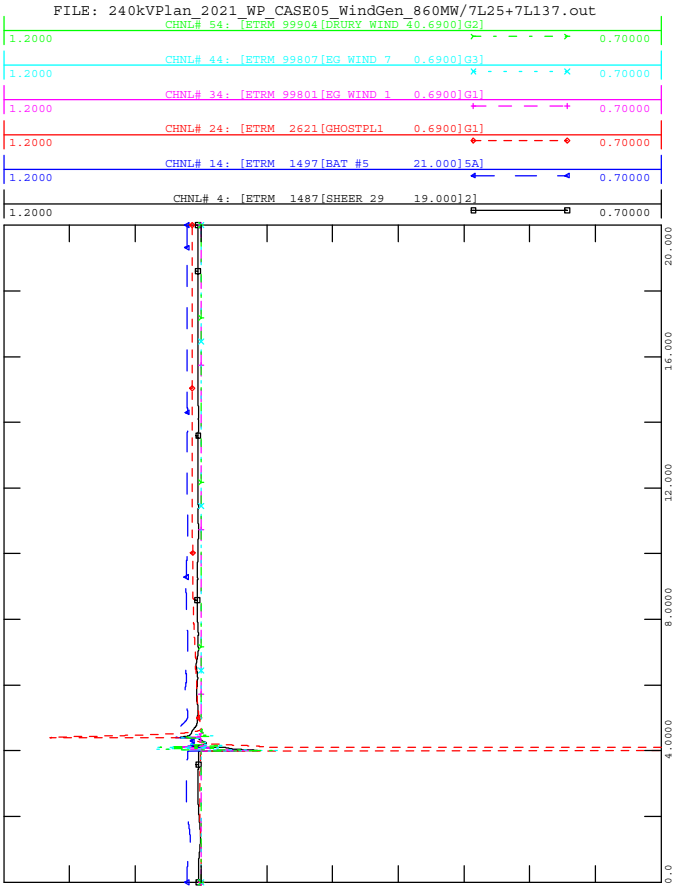
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L25+7L137.out



MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L25+7L137

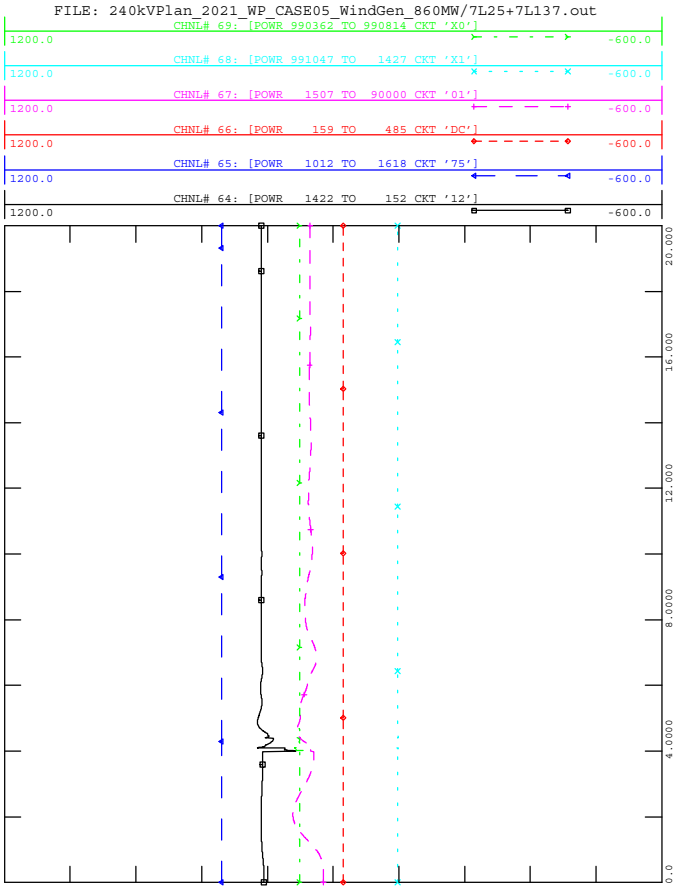
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L25+7L137.out



MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L25+7L137

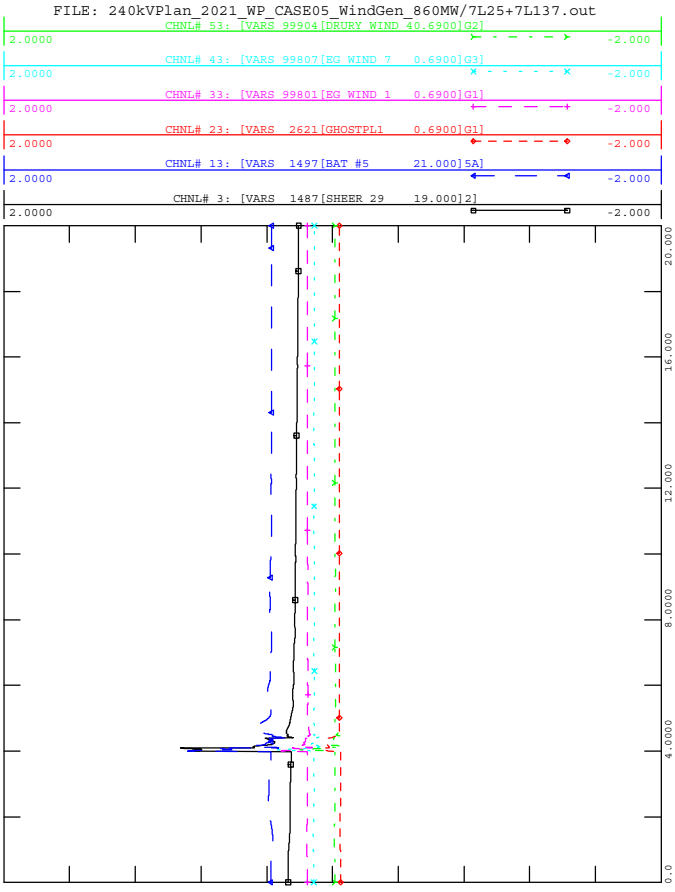
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L25+7L137.out



MON, NOV 28 2016 22:40
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -7L25+7L137

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L25+7L137.out



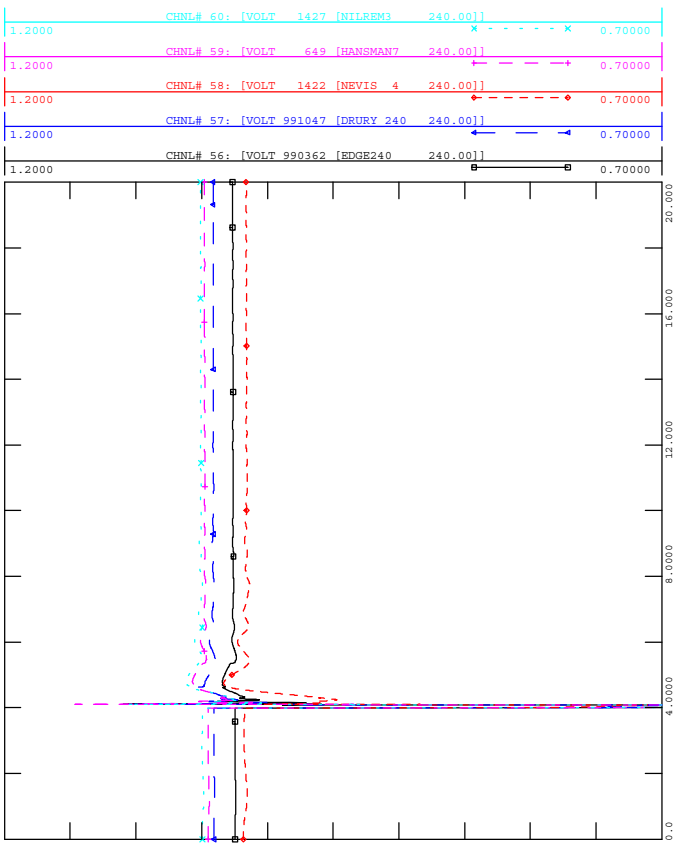
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L70+9L97

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70+9L97.out

MON, NOV 28 2016 22:40

BUS VOLTAGE

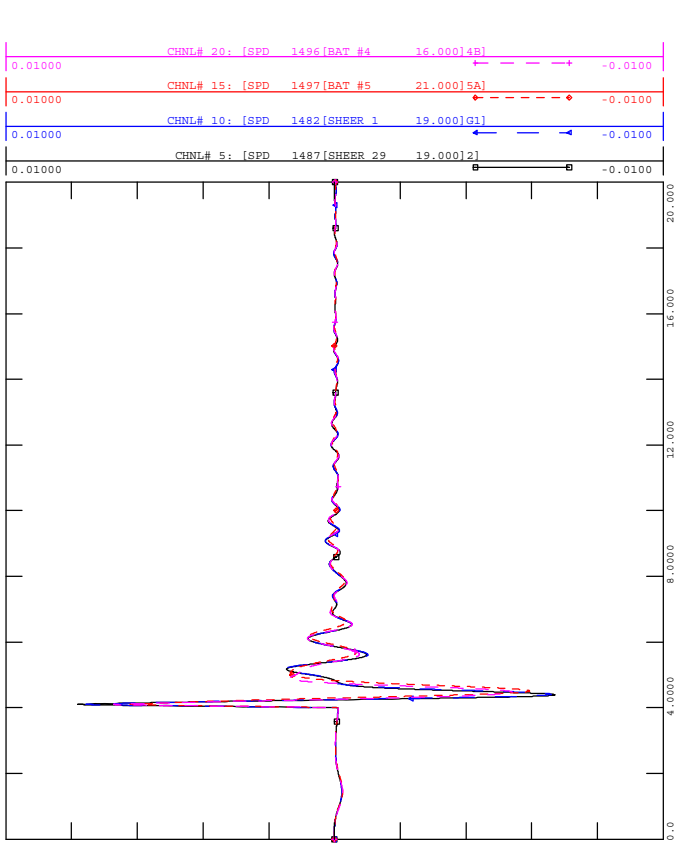


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L70+9L97

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70+9L97.out

MON, NOV 28 2016 22:40

MACHINE SPEED

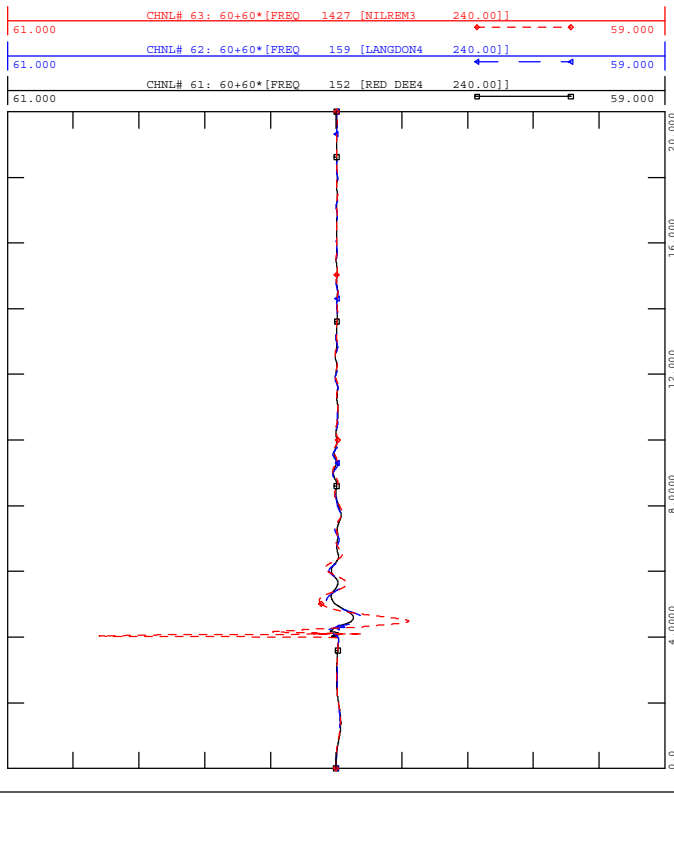


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L70+9L97

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70+9L97.out

MON, NOV 28 2016 22:40

FREQUENCY

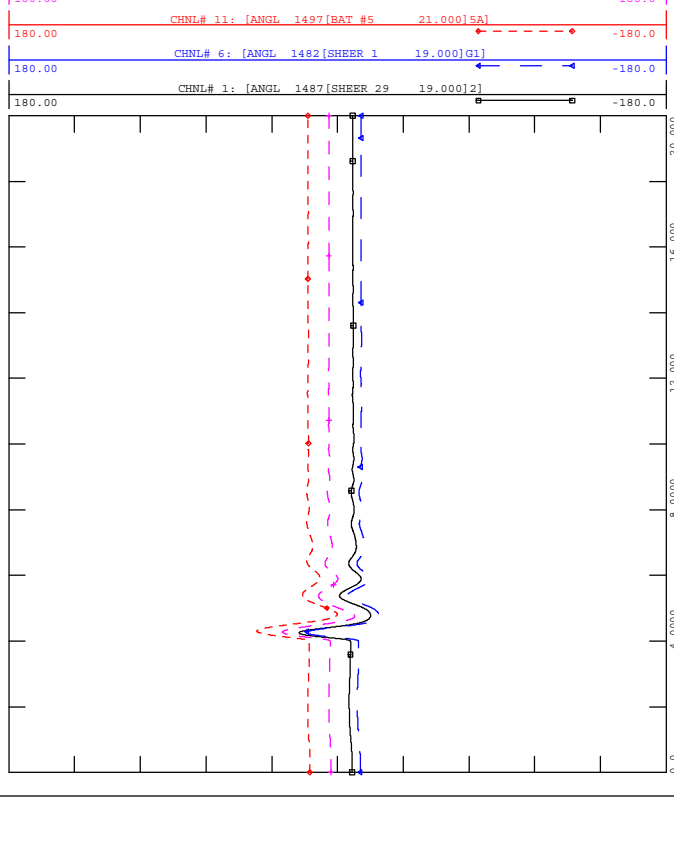


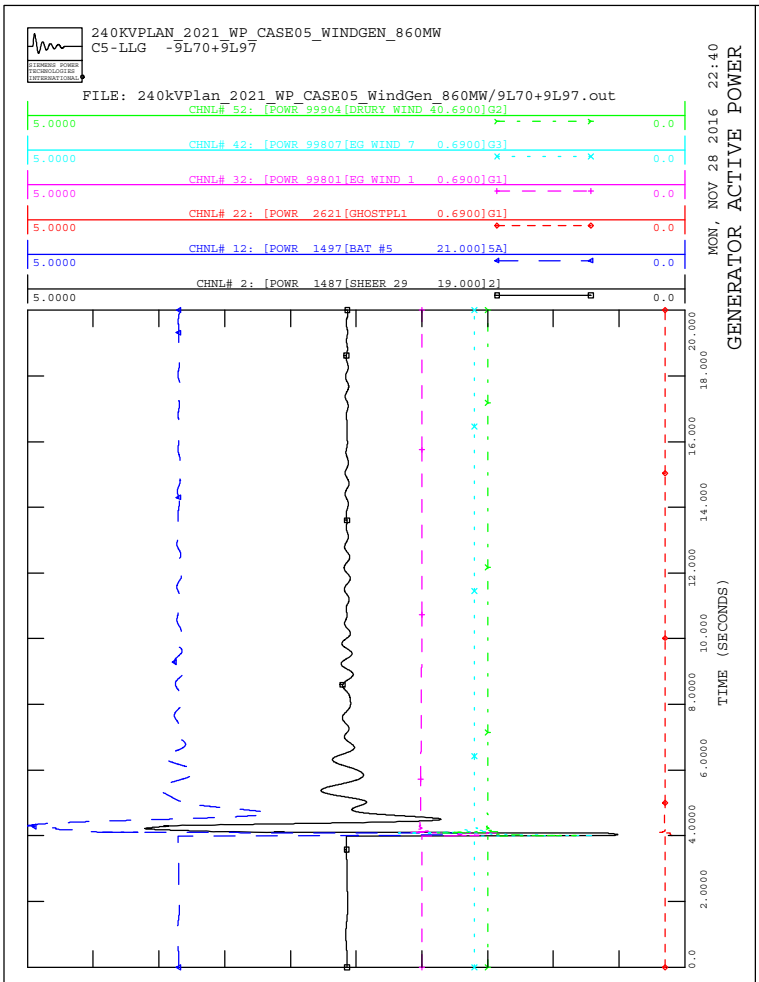
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L70+9L97

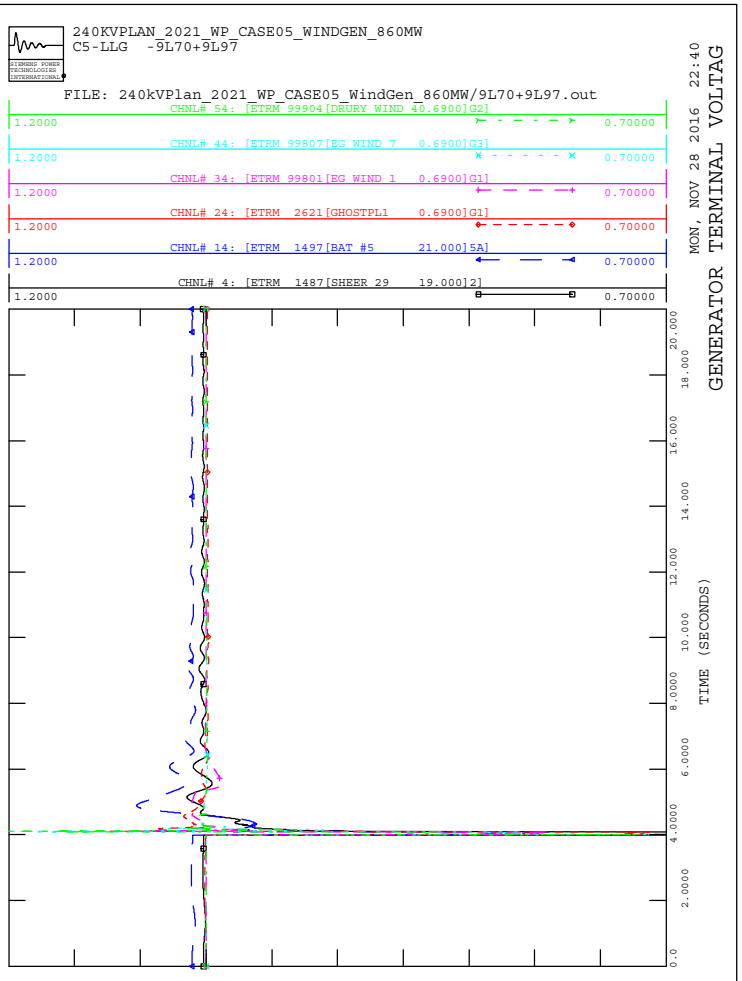
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70+9L97.out

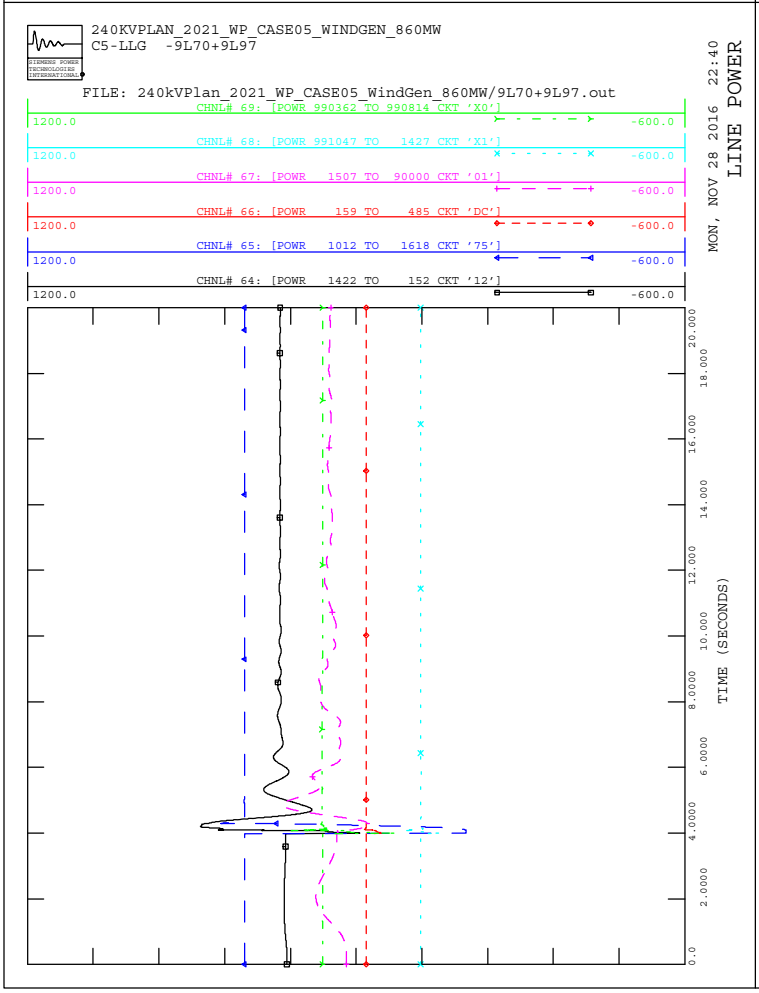
MON, NOV 28 2016 22:40

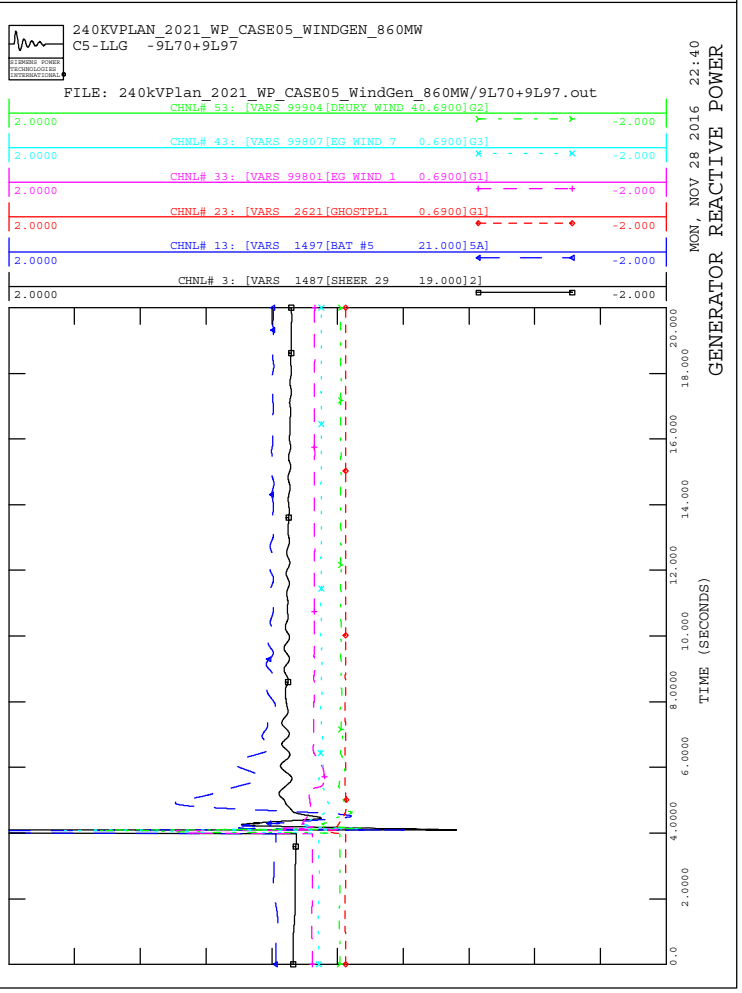
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L70+9L97
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70+9L97.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

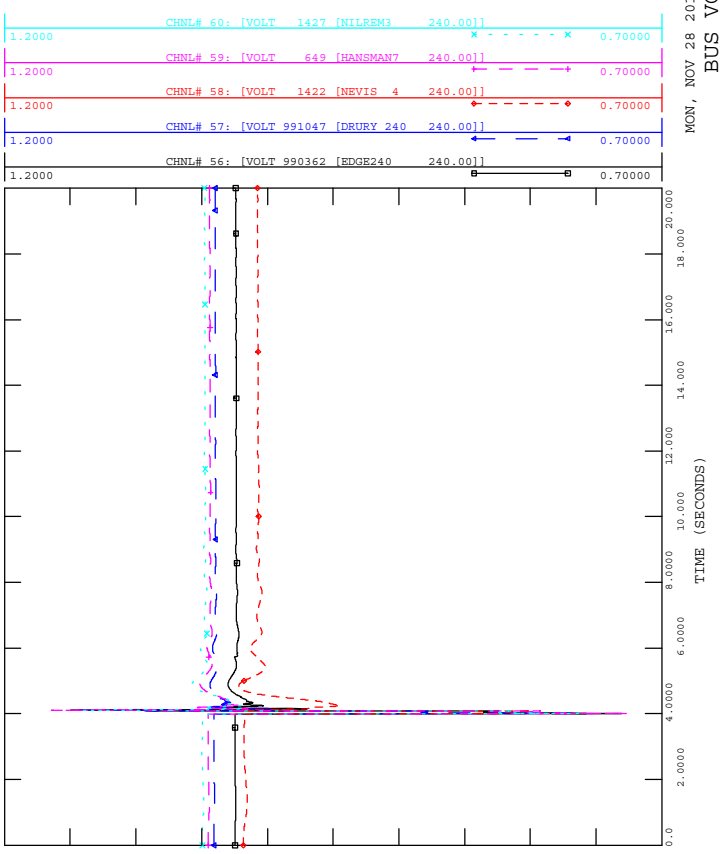

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L70+9L97
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70+9L97.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, NOV 28 2016 22:40
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L70+9L97
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70+9L97.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, NOV 28 2016 22:40
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -9L70+9L97
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L70+9L97.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, NOV 28 2016 22:40
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -933L+934L

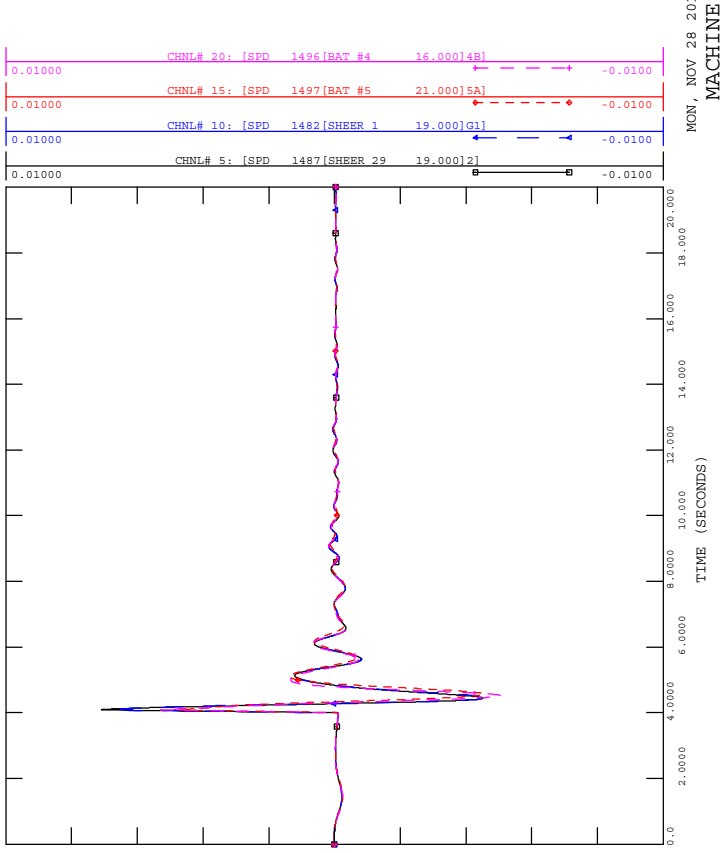
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/933L+934L.out



MON, NOV 28 2016 22:40
BUS VOLTAGE

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -933L+934L

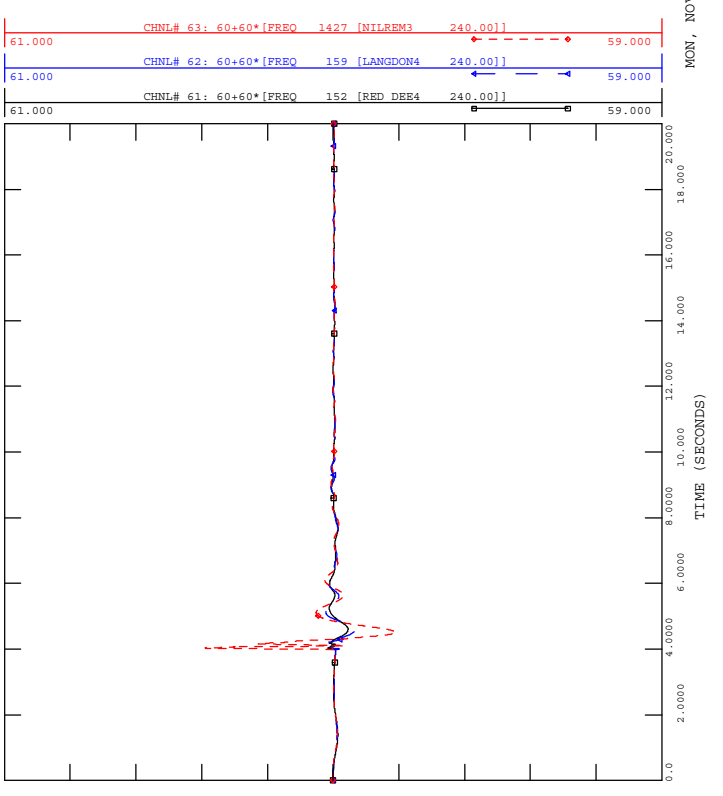
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/933L+934L.out



MON, NOV 28 2016 22:40
MACHINE SPEED

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -933L+934L

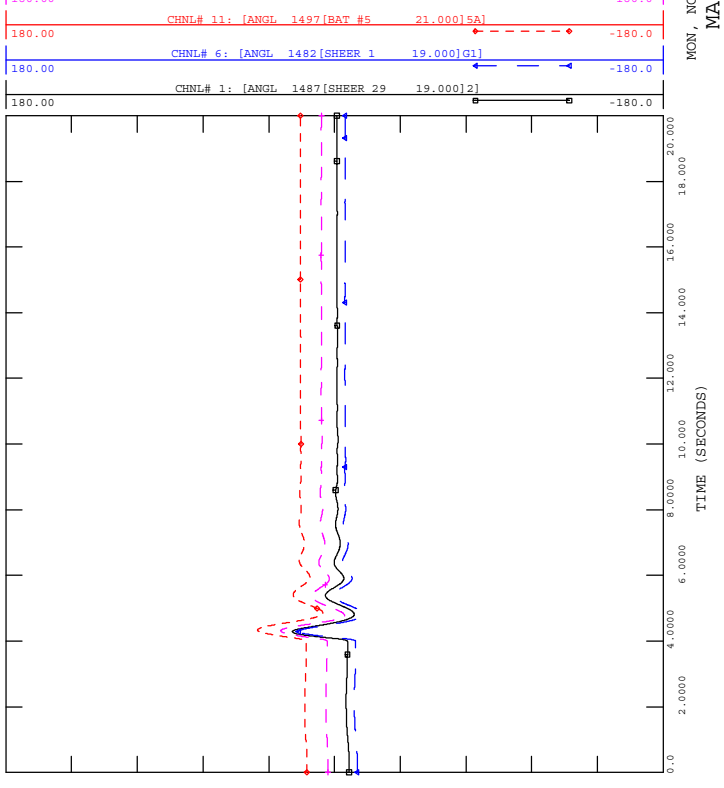
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/933L+934L.out



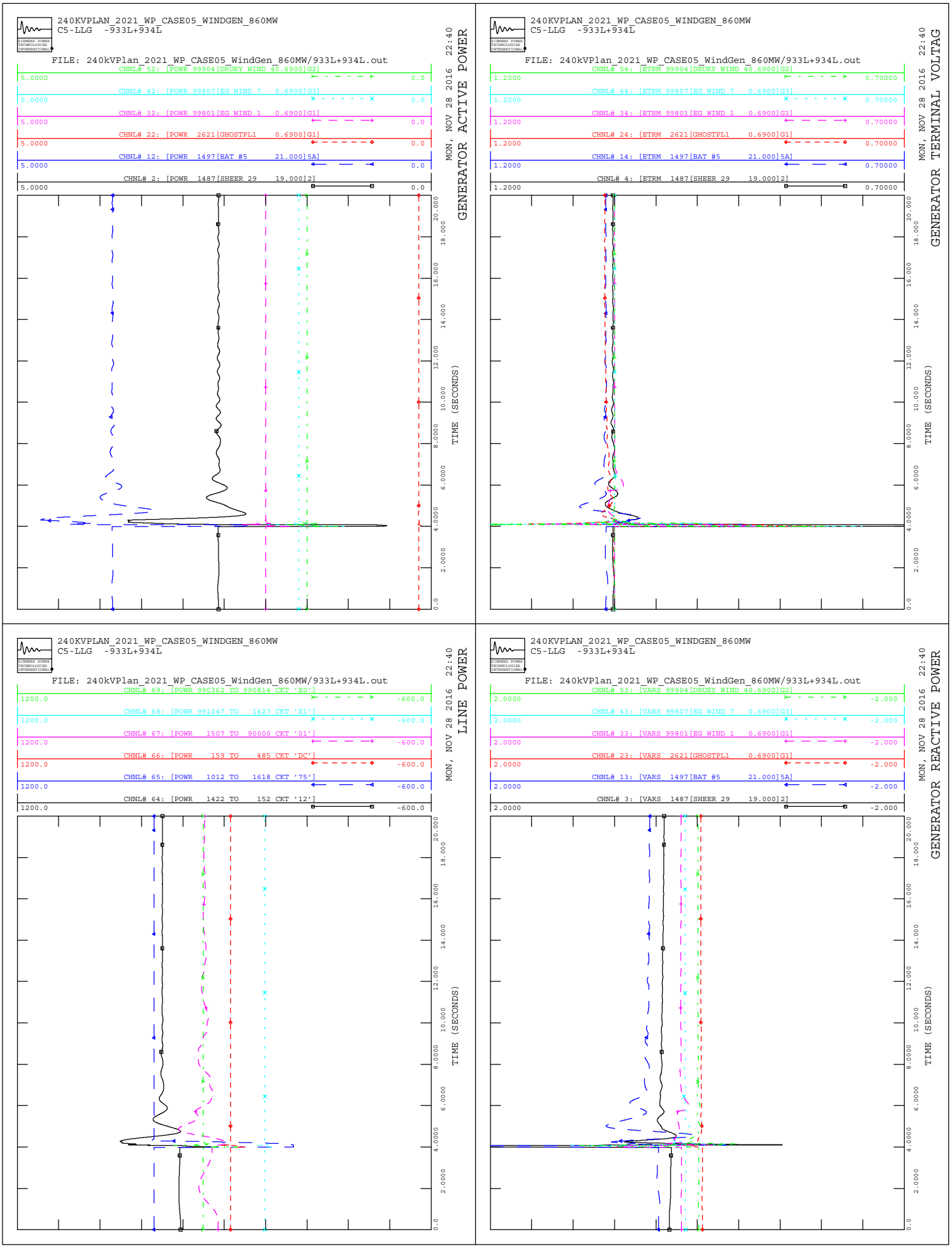
MON, NOV 28 2016 22:40
FREQUENCY

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -933L+934L

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/933L+934L.out



MON, NOV 28 2016 22:40
MACHINE ANGEL


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C5-LLG -933L+934L
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/933L+934L.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 28 2016 22:40
GENERATOR ACTIVE POWER
TIME (SECONDS)
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER

Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Summer Light

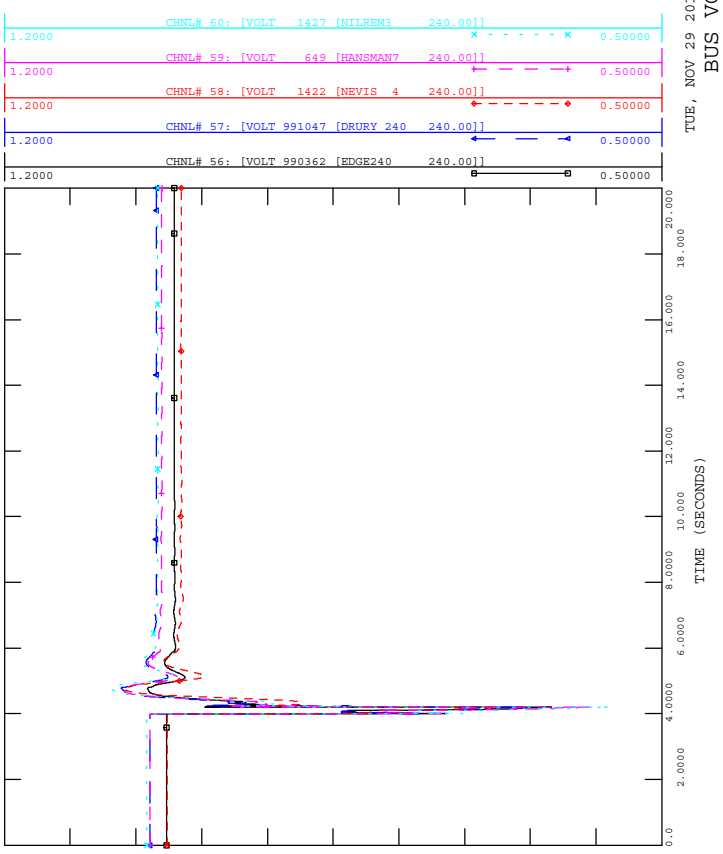
Category C7 (Single-line-to-ground Fault)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S904_755S-Cordel.out

TUE, NOV 29 2016 9:07

BUS VOLTAGE

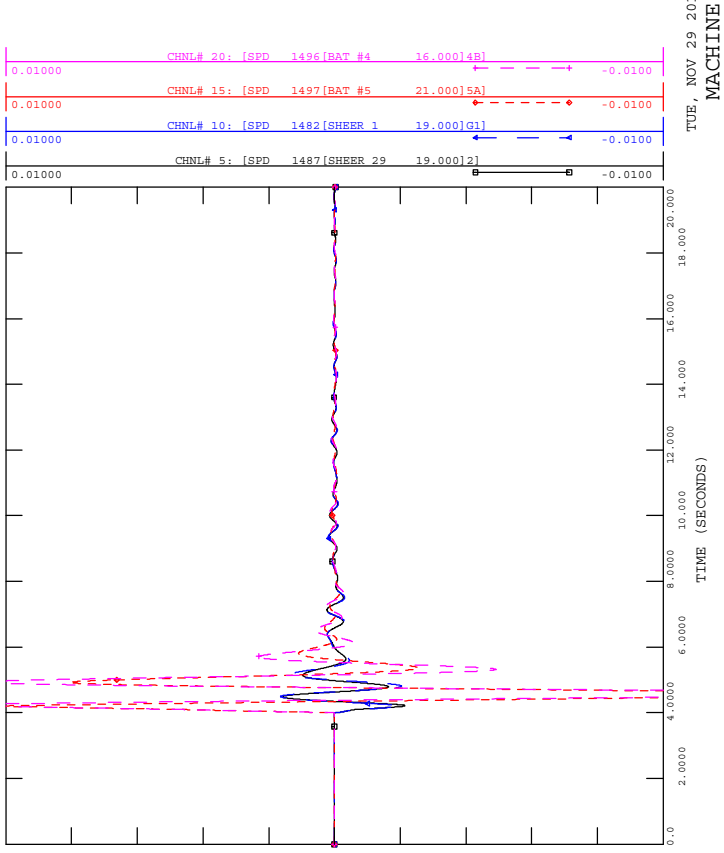


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S904_755S-Cordel.out

TUE, NOV 29 2016 9:07

MACHINE SPEED

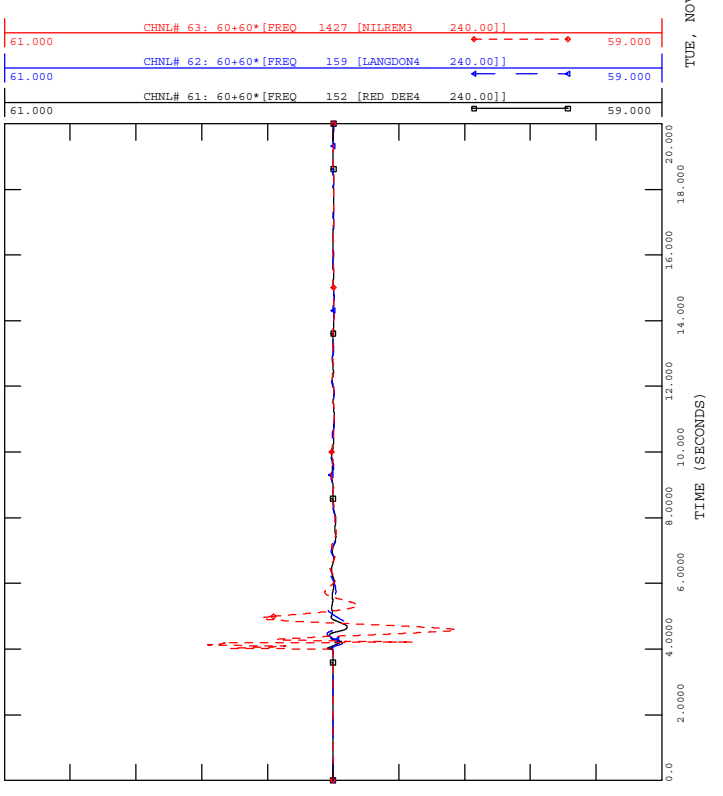


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S904_755S-Cordel.out

TUE, NOV 29 2016 9:07

FREQUENCY

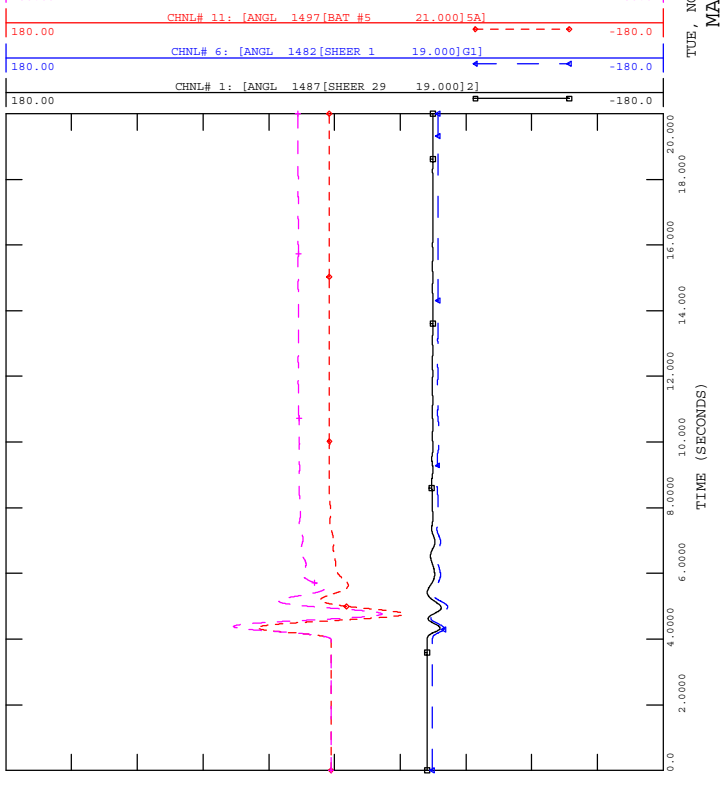


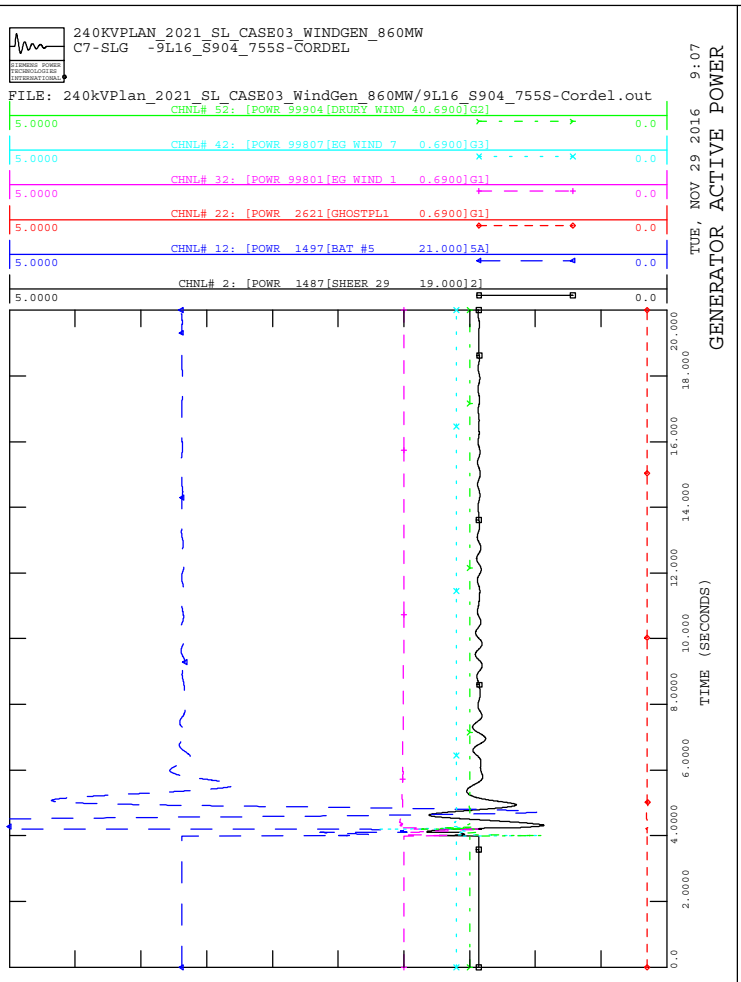
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL

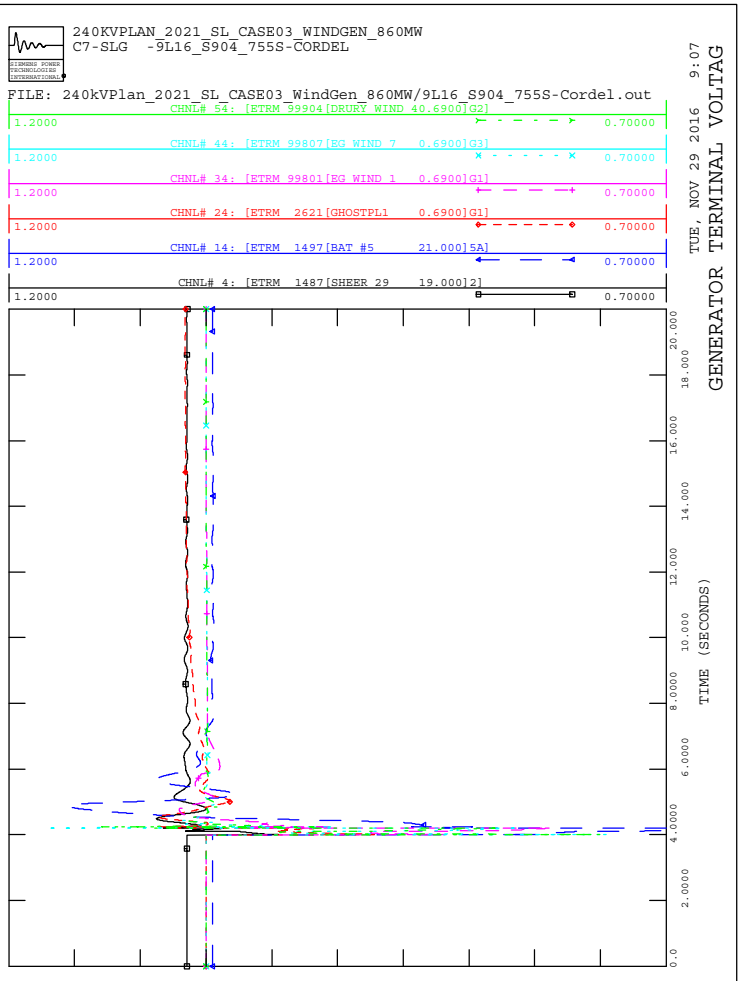
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S904_755S-Cordel.out

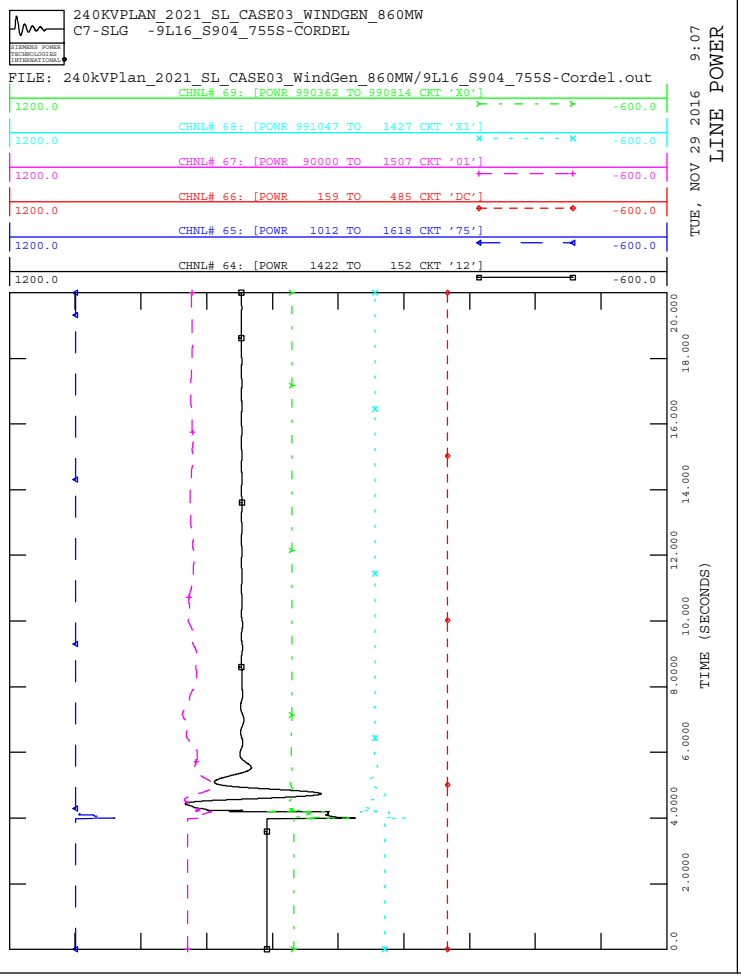
TUE, NOV 29 2016 9:07

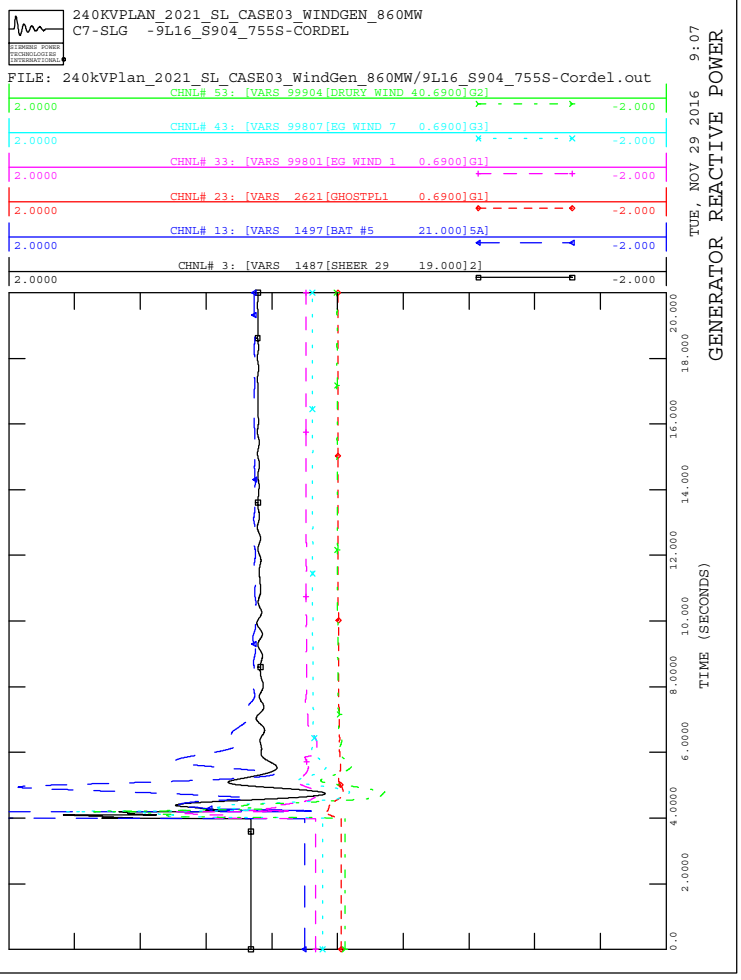
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S904_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:07
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S904_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:07
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S904_755S-Cordel.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:07
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

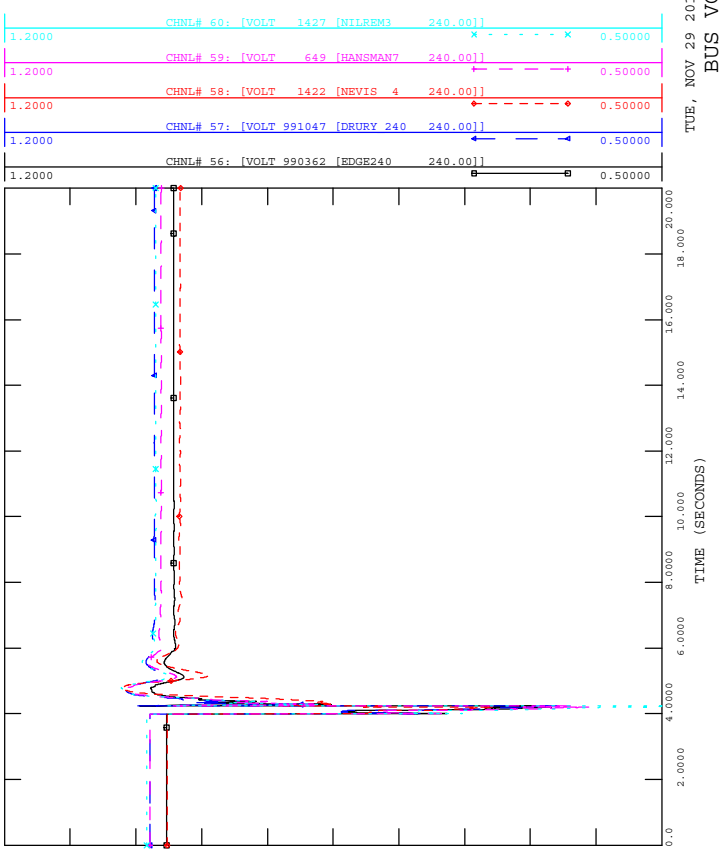

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S904_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:07
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S905_755S-Cordel.out

TUE, NOV 29 2016 9:07

BUS VOLTAGE

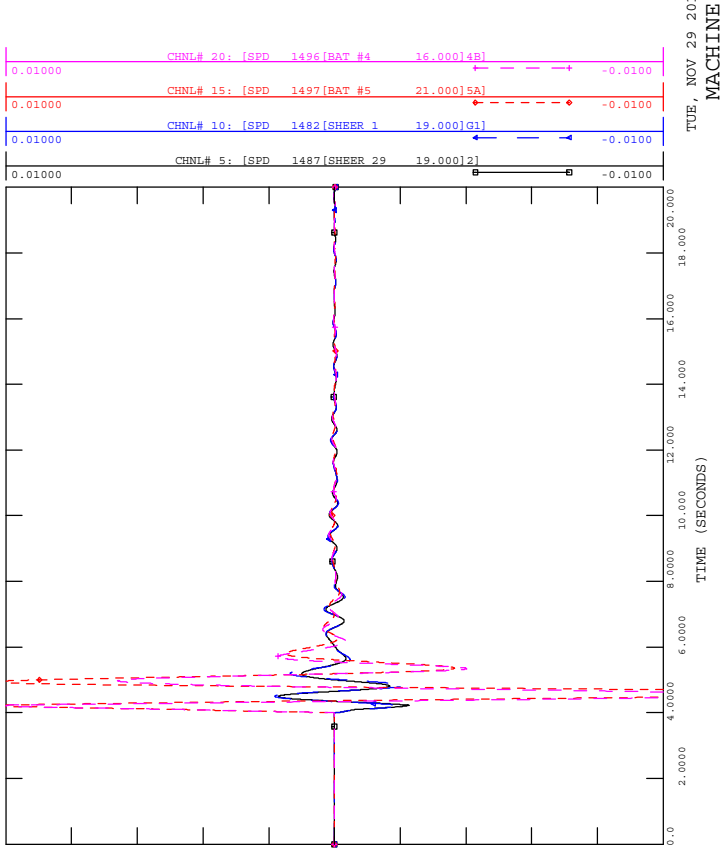


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S905_755S-Cordel.out

TUE, NOV 29 2016 9:07

MACHINE SPEED

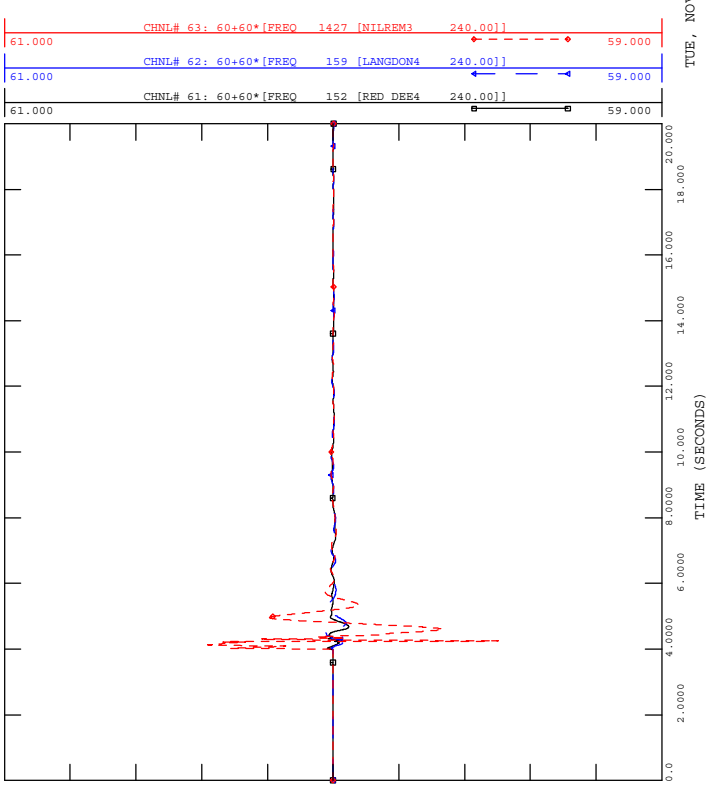


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S905_755S-Cordel.out

TUE, NOV 29 2016 9:07

FREQUENCY

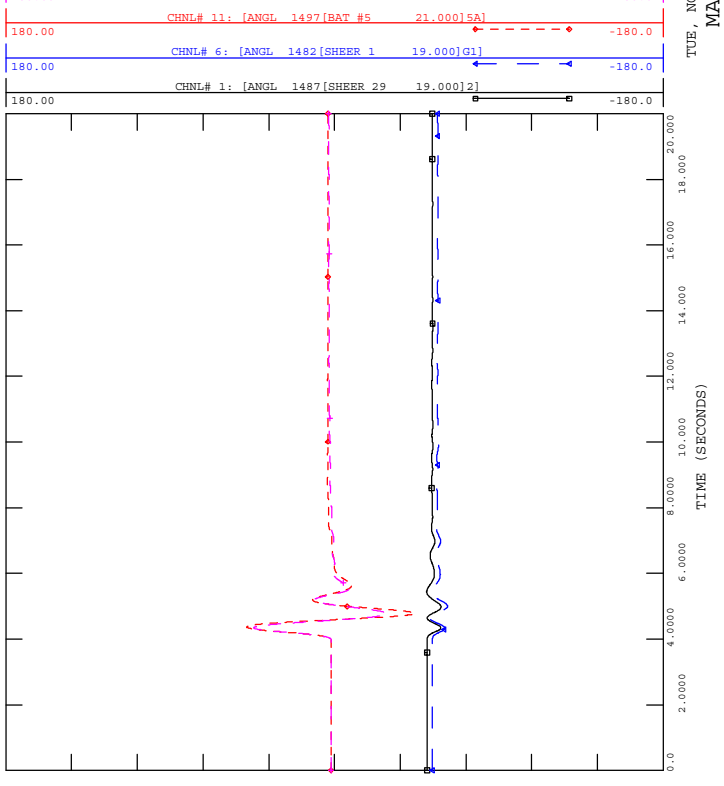


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S905_755S-Cordel.out

TUE, NOV 29 2016 9:07

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S905_755S-Cordel.out

TUE, NOV 29 2016 9:07

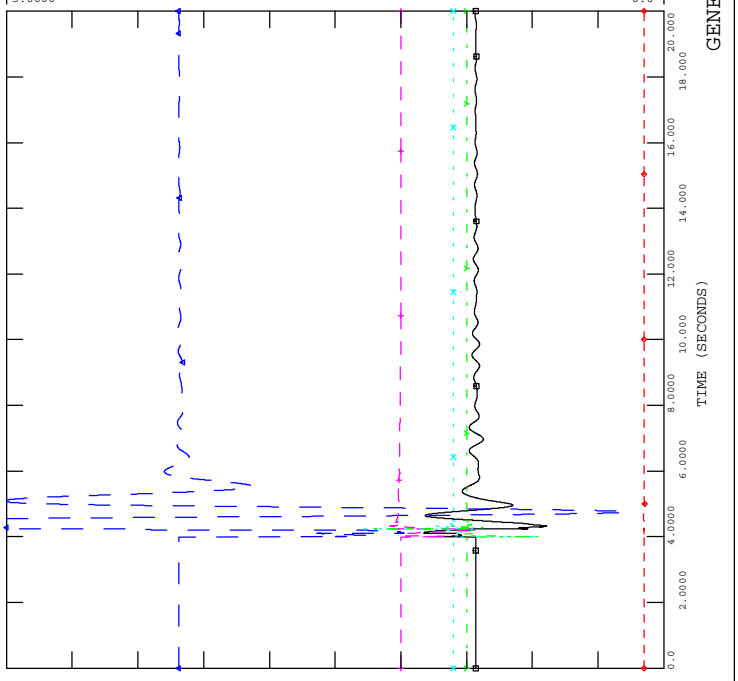
GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S905_755S-Cordel.out

TUE, NOV 29 2016 9:07

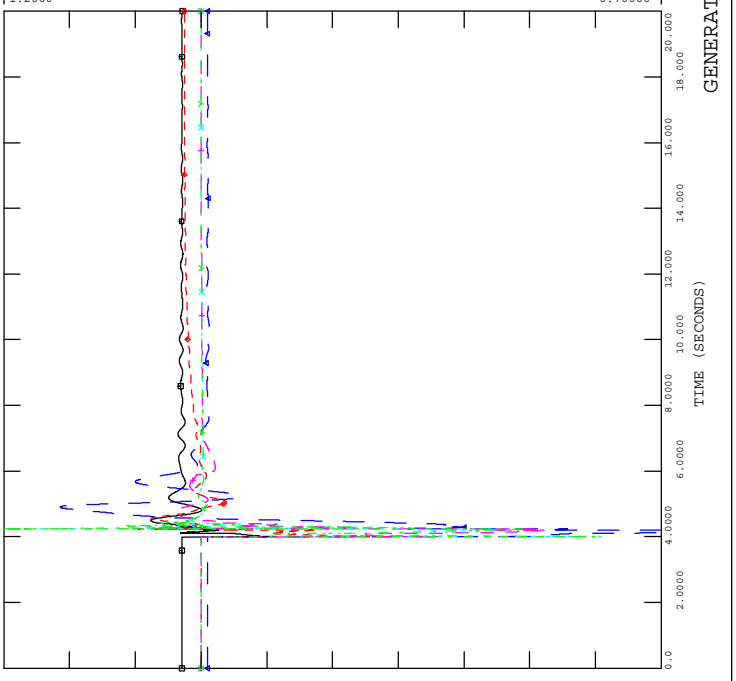
GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S905_755S-Cordel.out

TUE, NOV 29 2016 9:07

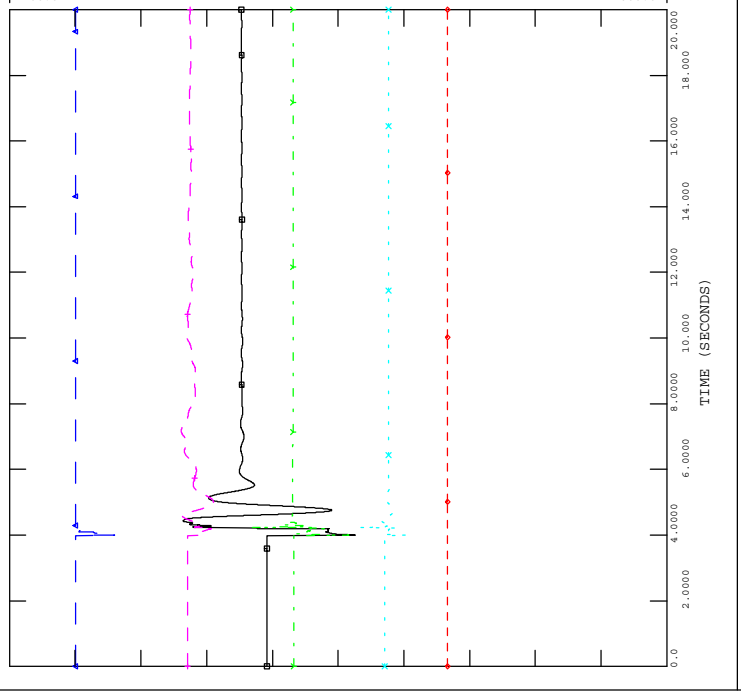
LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L16_S905_755S-Cordel.out

TUE, NOV 29 2016 9:07

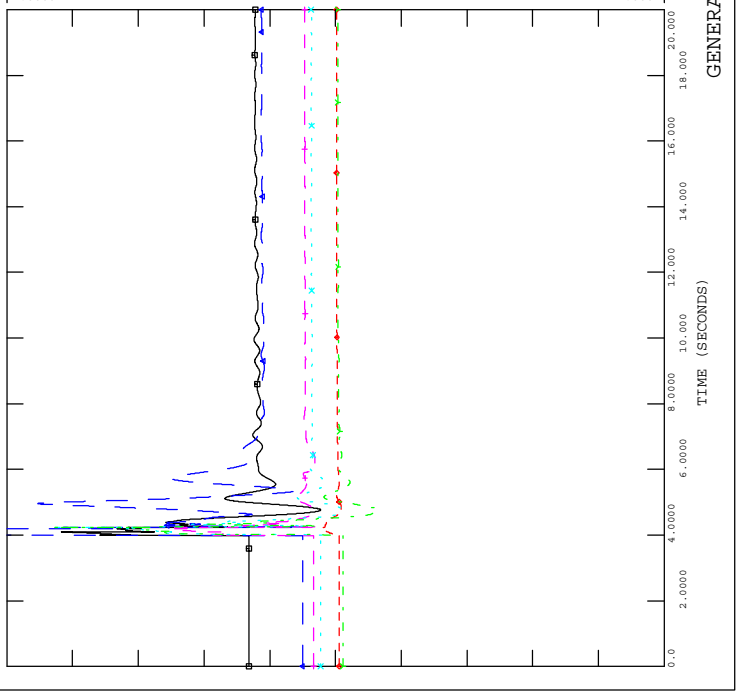
GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

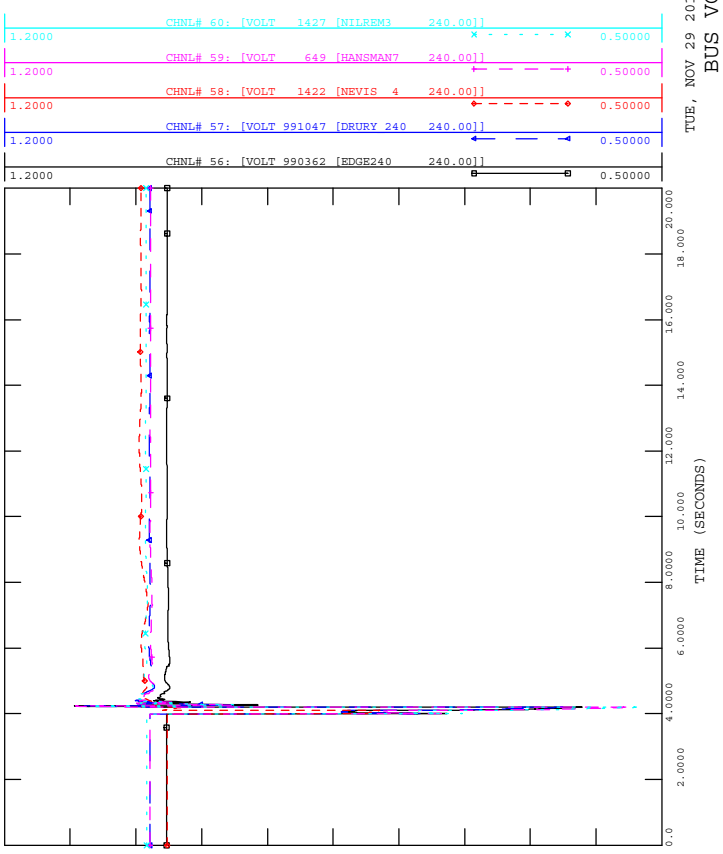


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_755S-Cordel.out

TUE, NOV 29 2016 9:07

BUS VOLTAGE

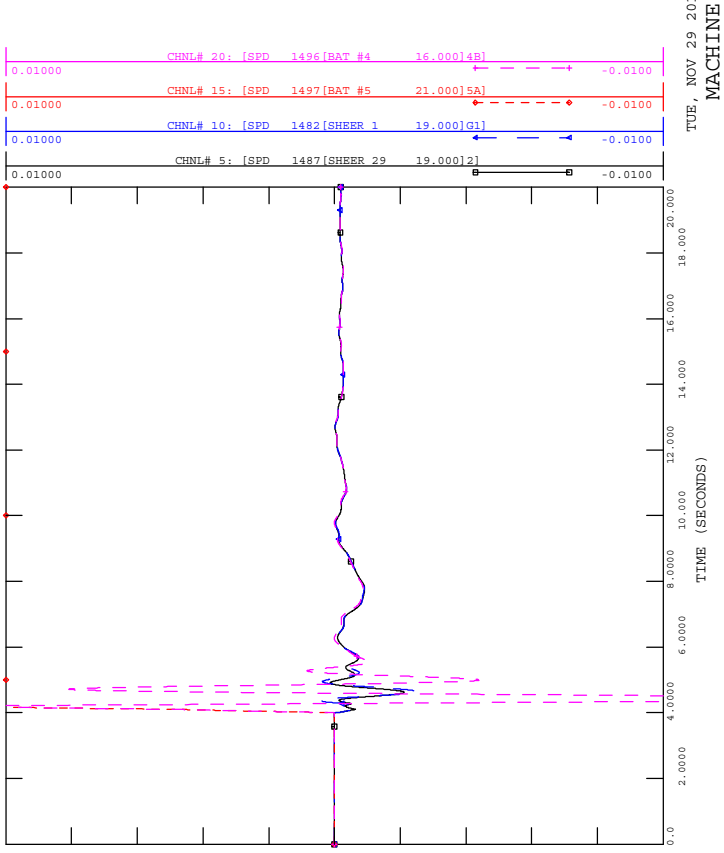


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_755S-Cordel.out

TUE, NOV 29 2016 9:07

MACHINE SPEED

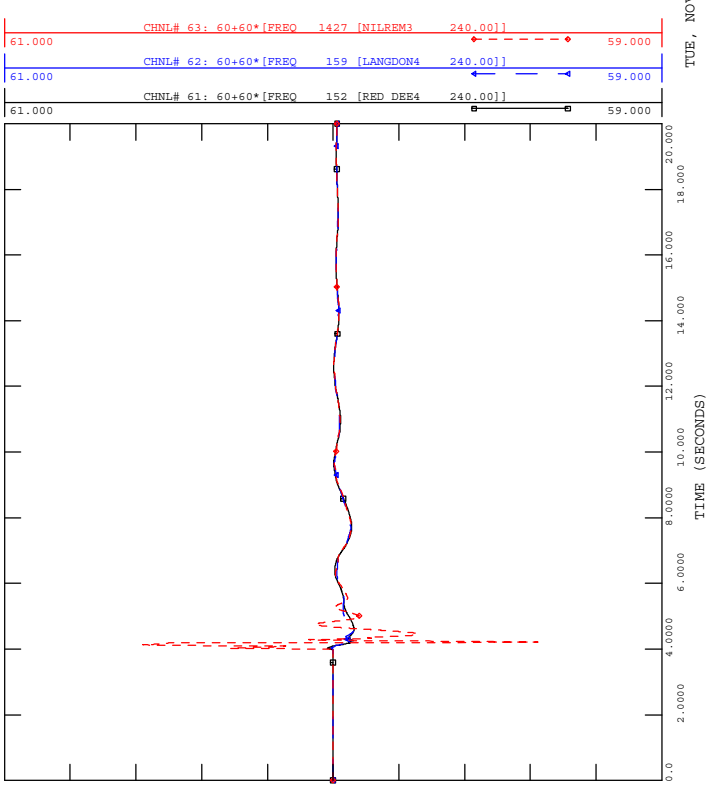


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_755S-Cordel.out

TUE, NOV 29 2016 9:07

FREQUENCY

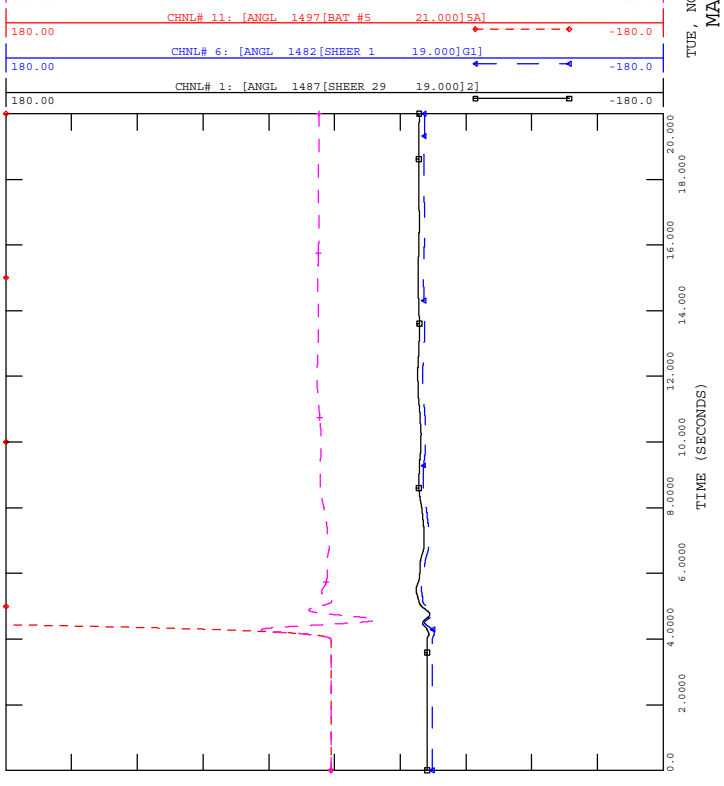


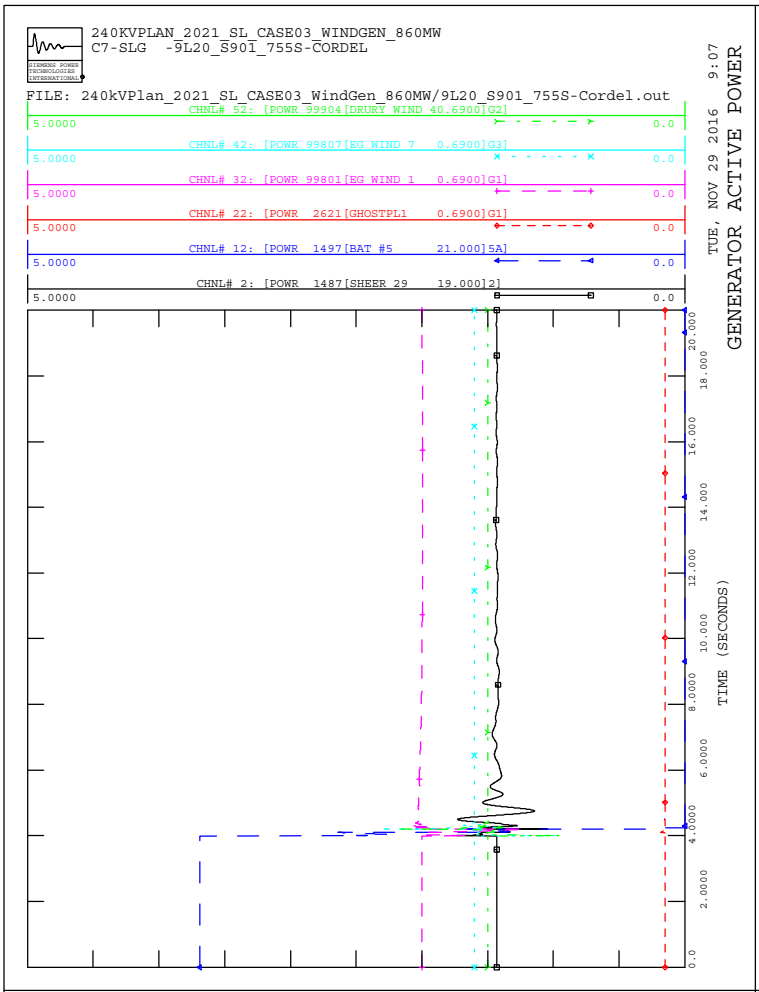
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL

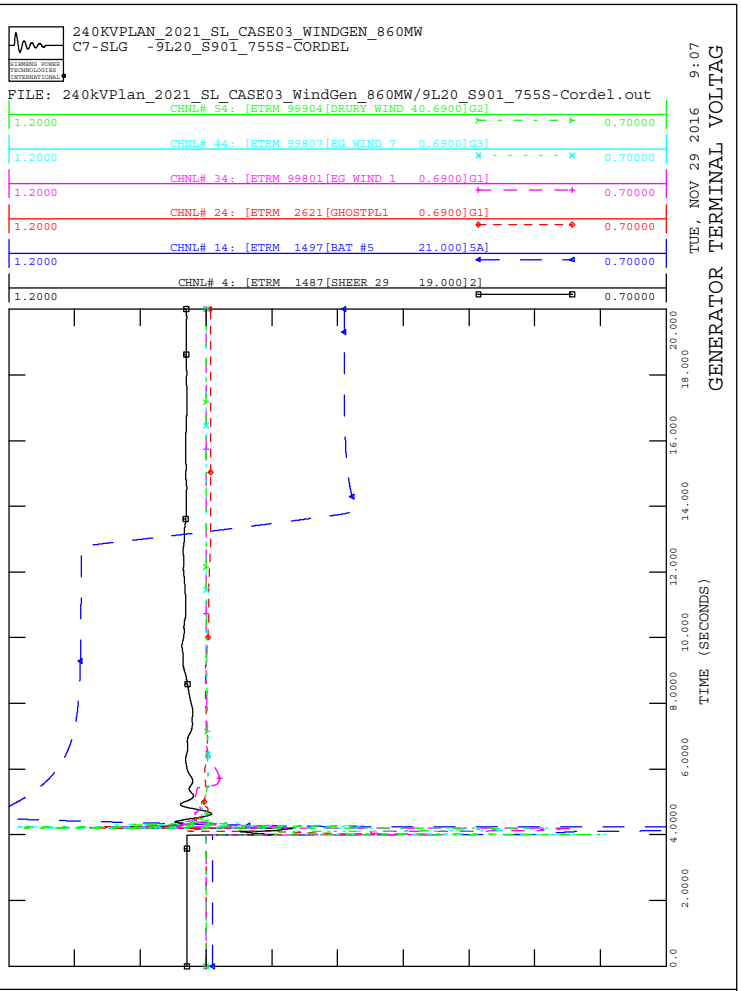
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_755S-Cordel.out

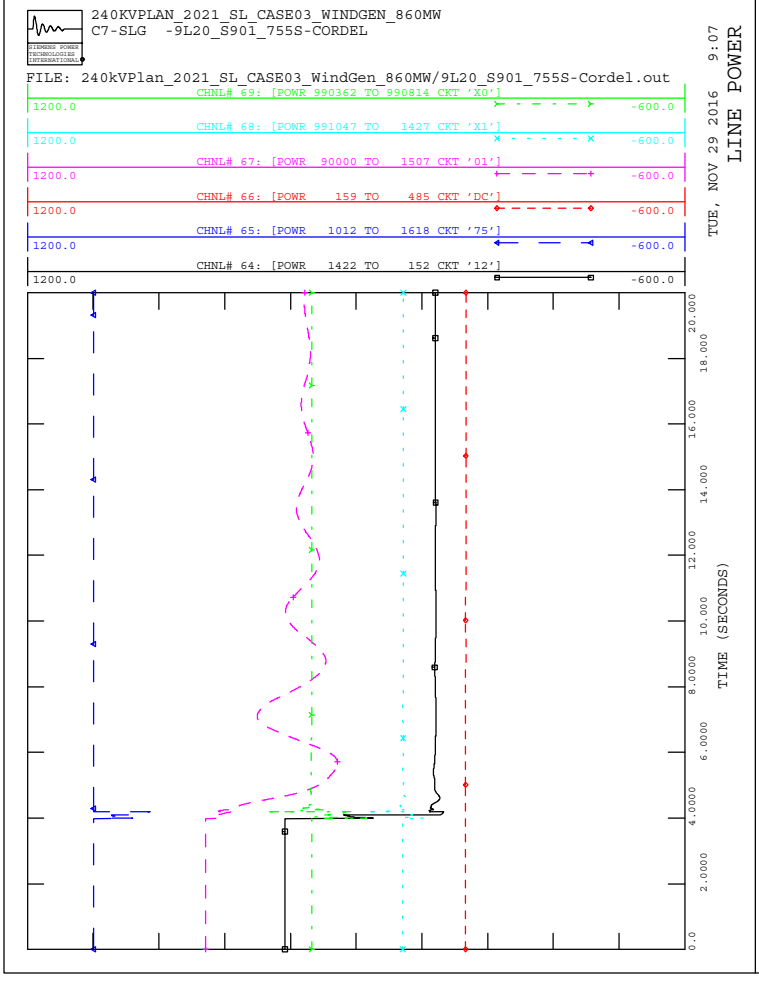
TUE, NOV 29 2016 9:07

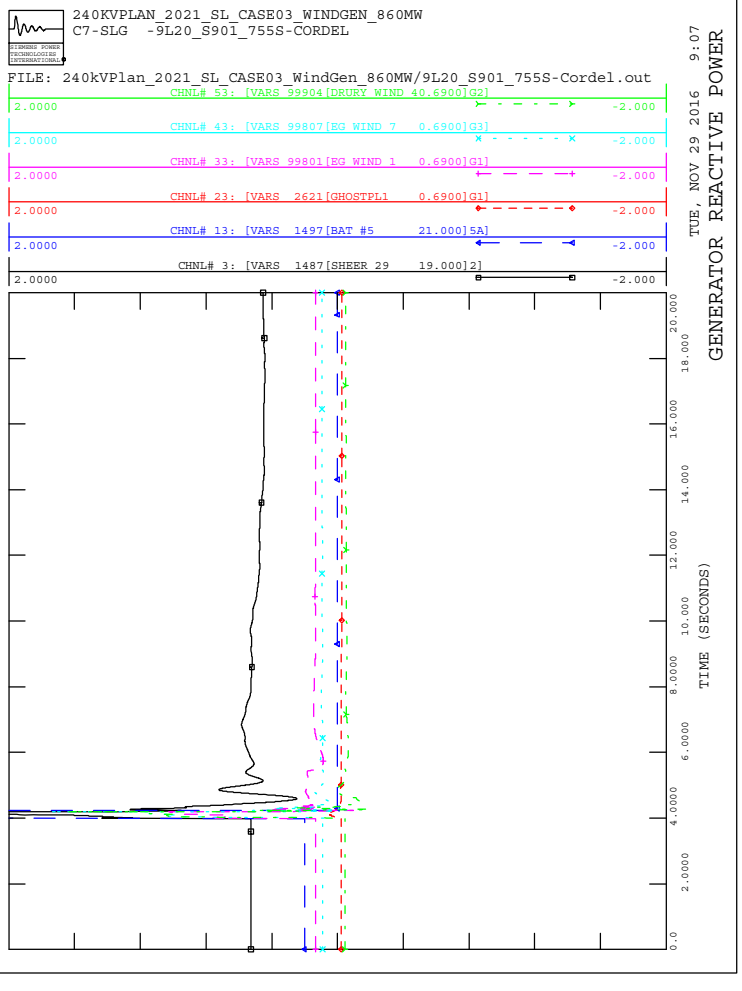
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:07
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:07
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_755S-Cordel.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:07
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

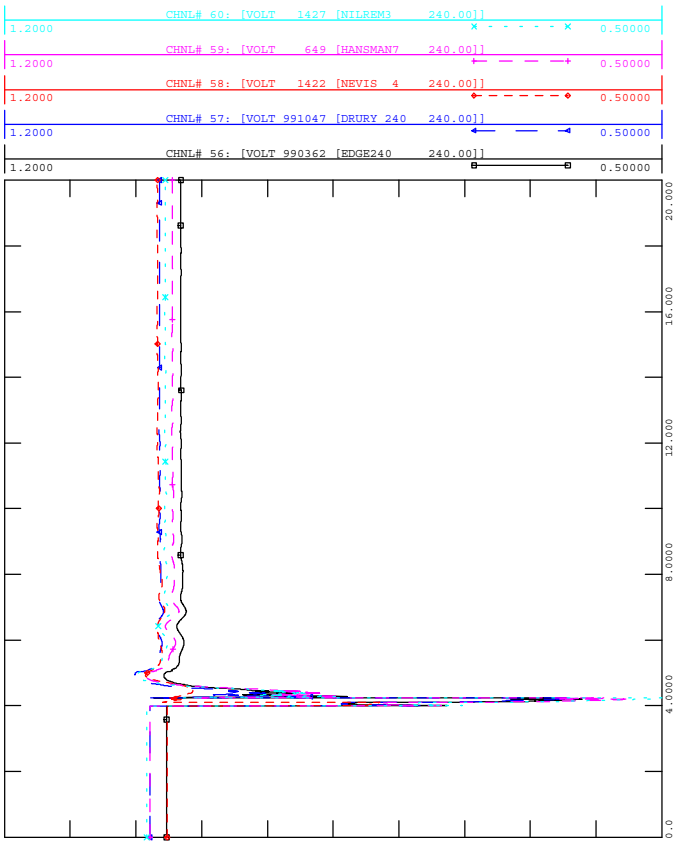

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:07
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S906_755S-Cordel.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

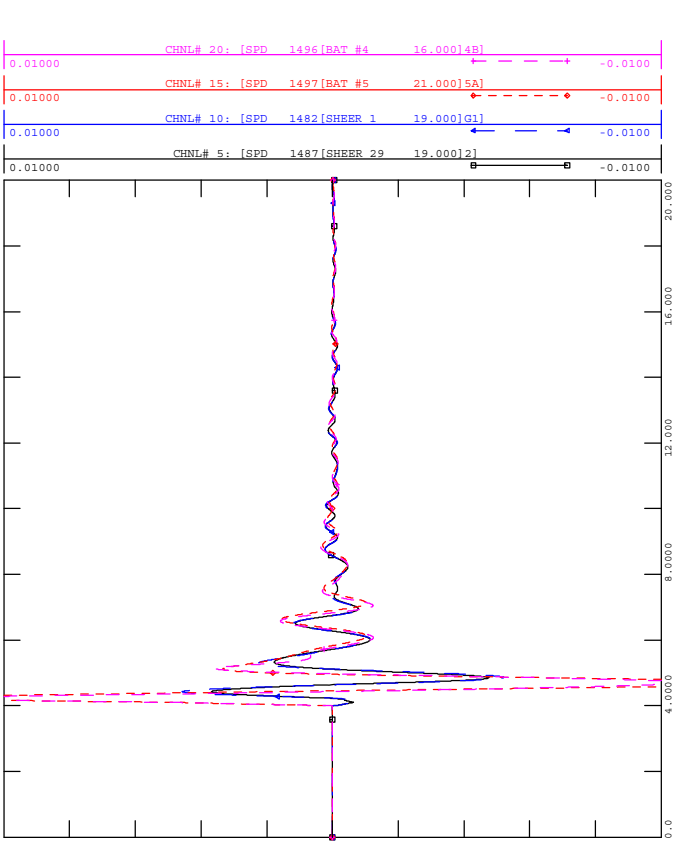


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S906_755S-Cordel.out

TUE, NOV 29 2016 9:08

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S906_755S-Cordel.out

TUE, NOV 29 2016 9:08

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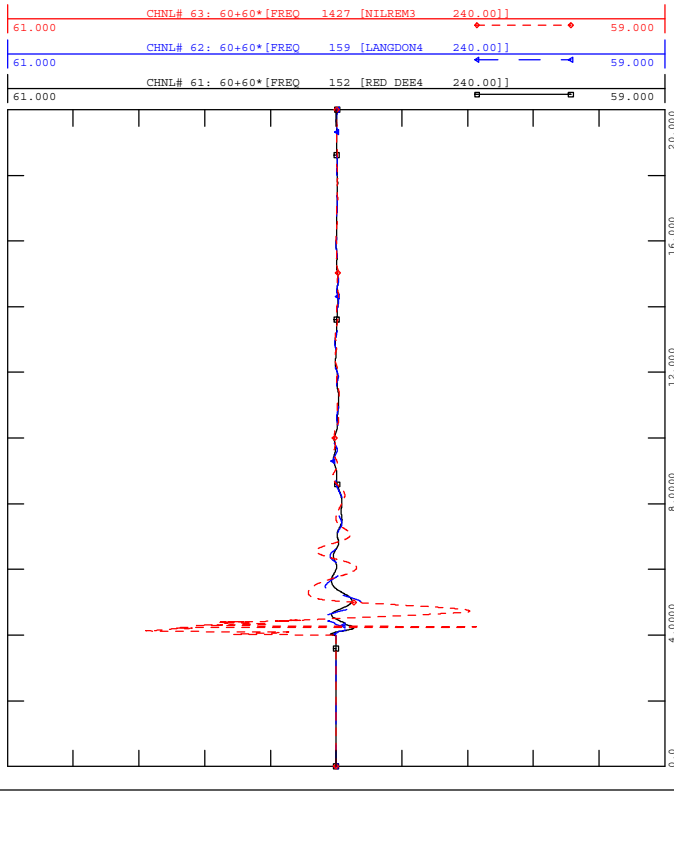
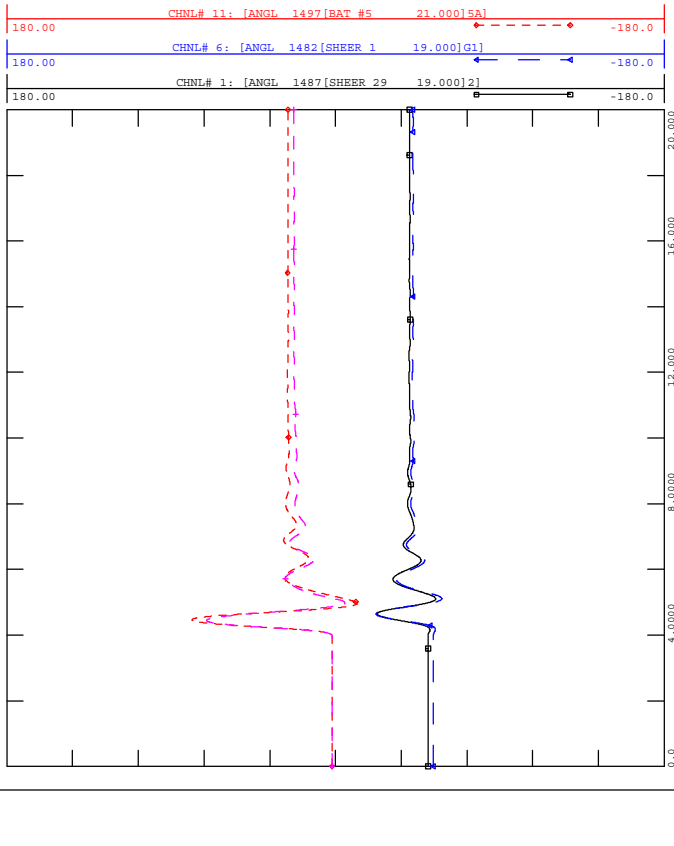


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S906_755S-Cordel.out

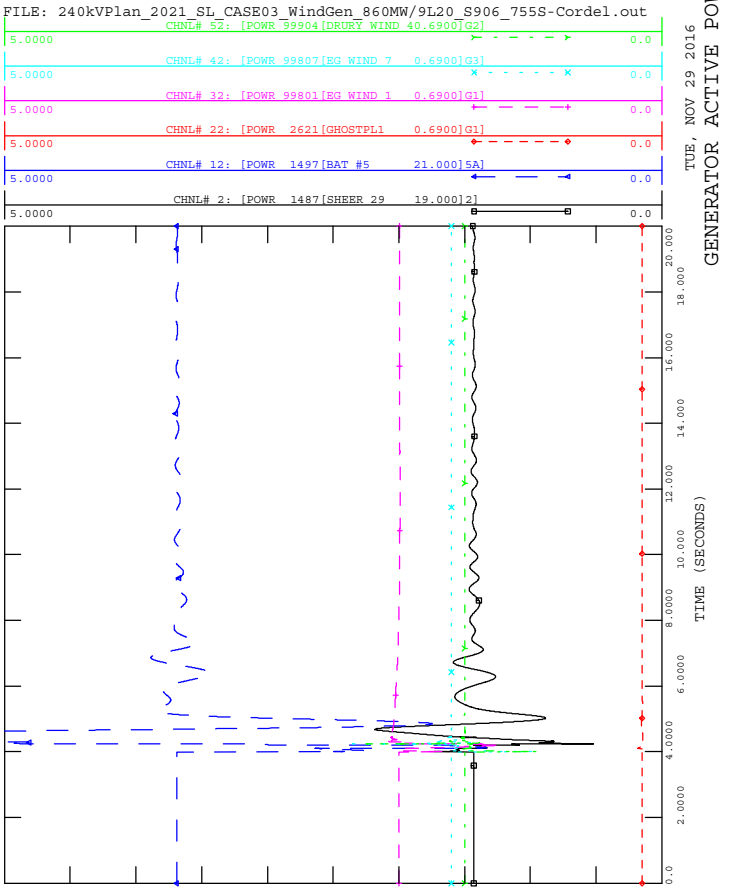
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

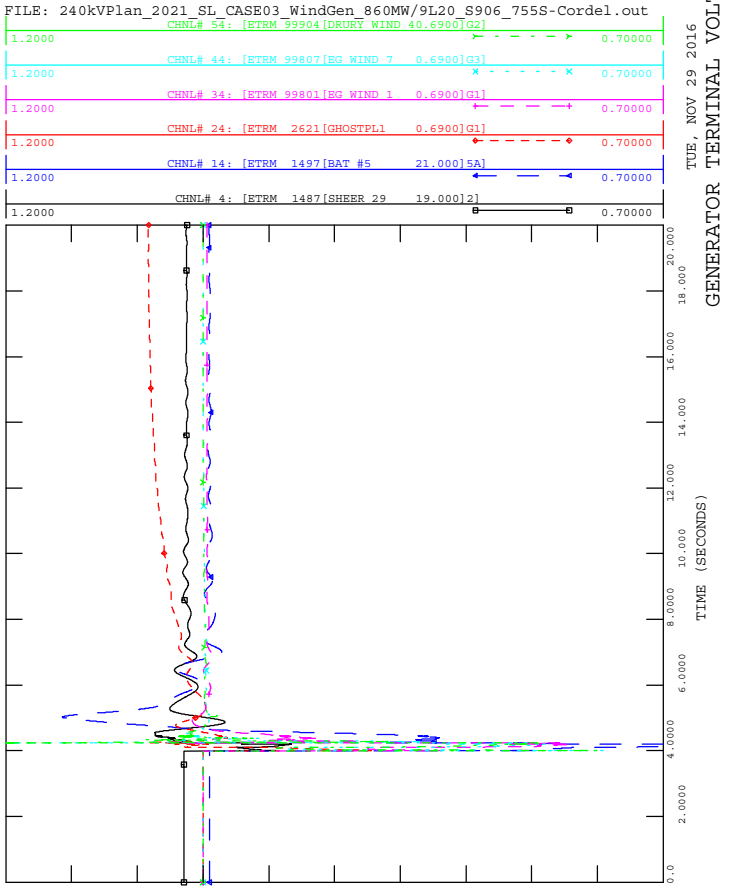
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S906_755S-Cordel.out



TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

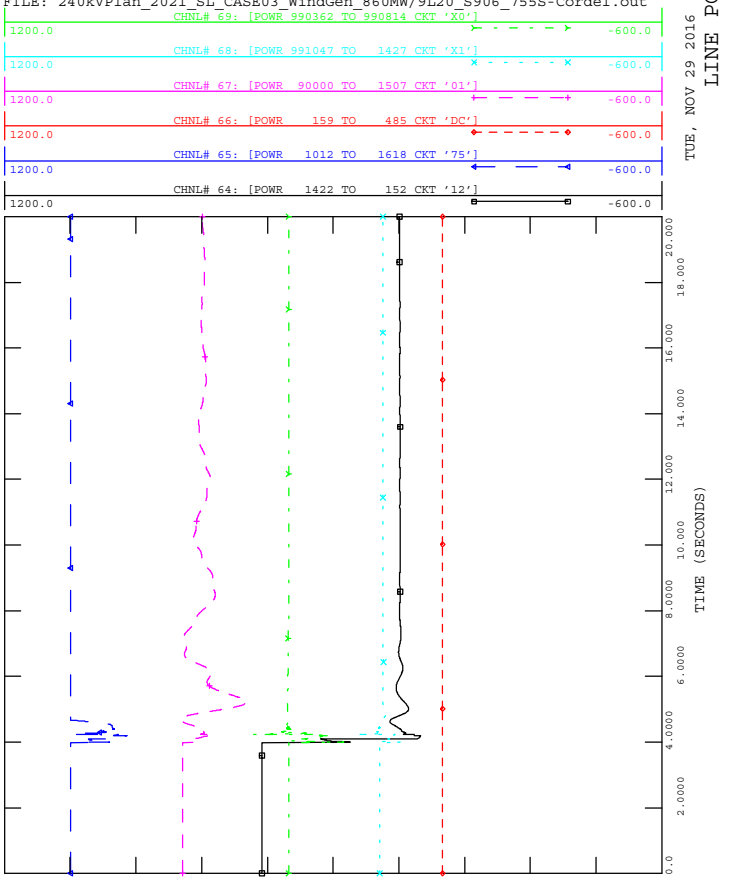
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S906_755S-Cordel.out



TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

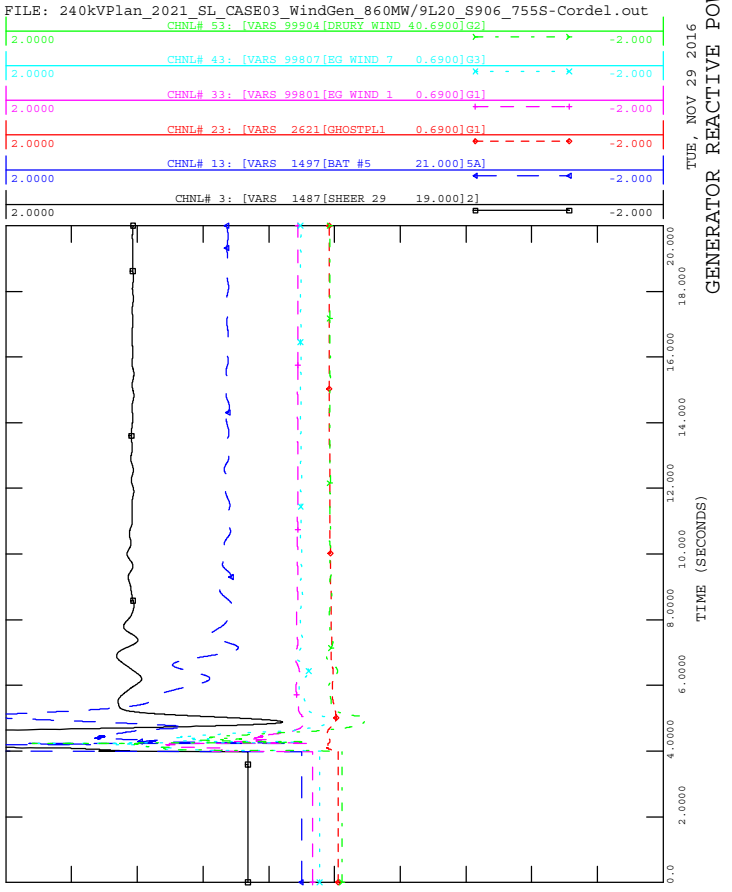
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S906_755S-Cordel.out



TUE, NOV 29 2016 9:08
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S906_755S-Cordel.out



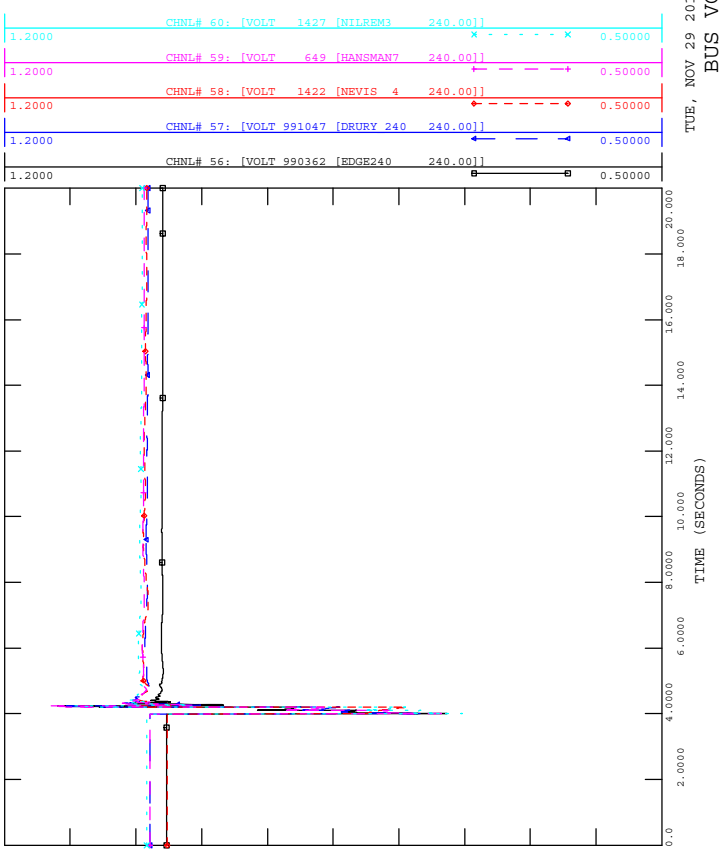
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S902_755S-Cordel.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

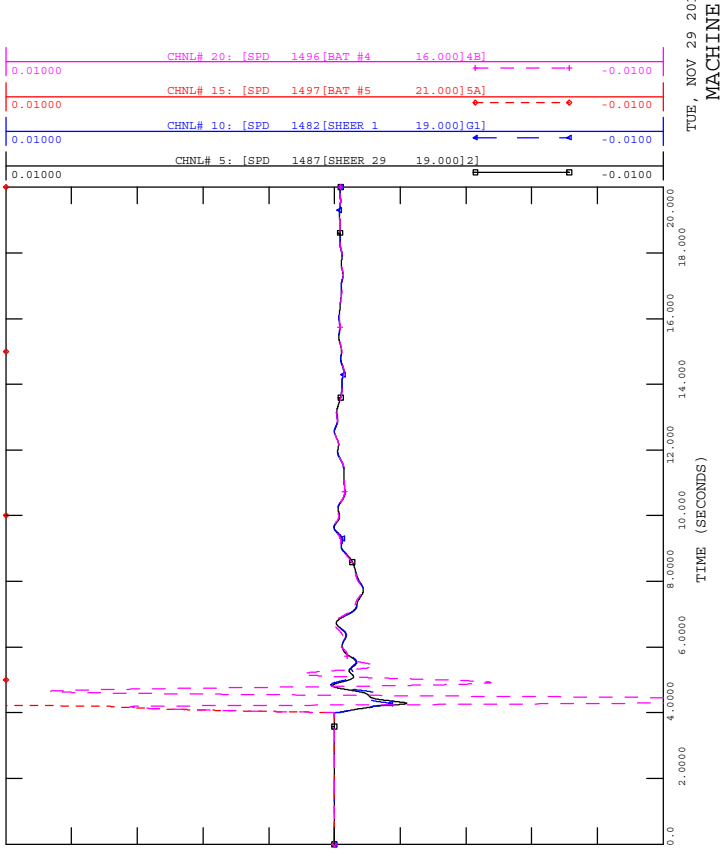


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S902_755S-Cordel.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

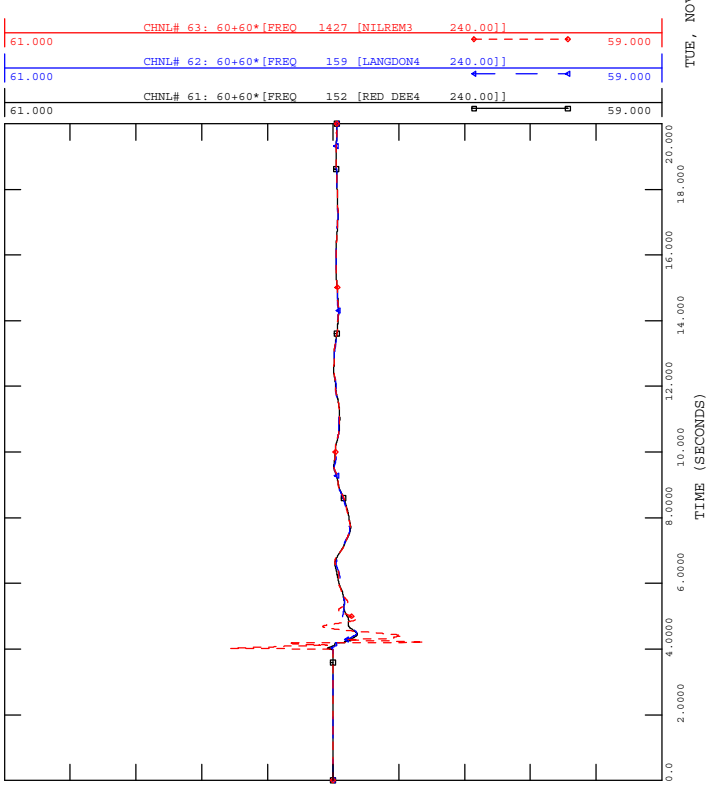


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S902_755S-Cordel.out

TUE, NOV 29 2016 9:08

FREQUENCY

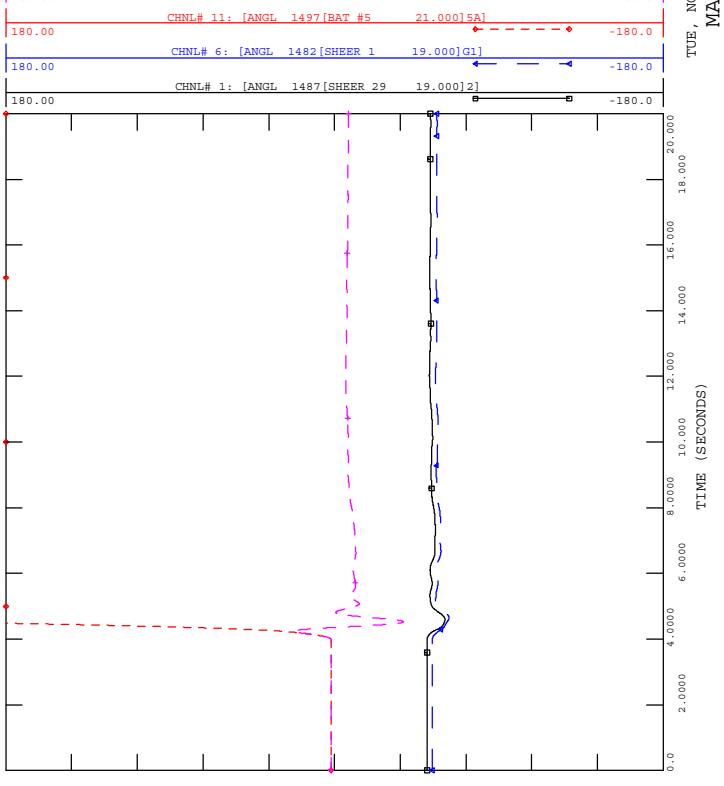


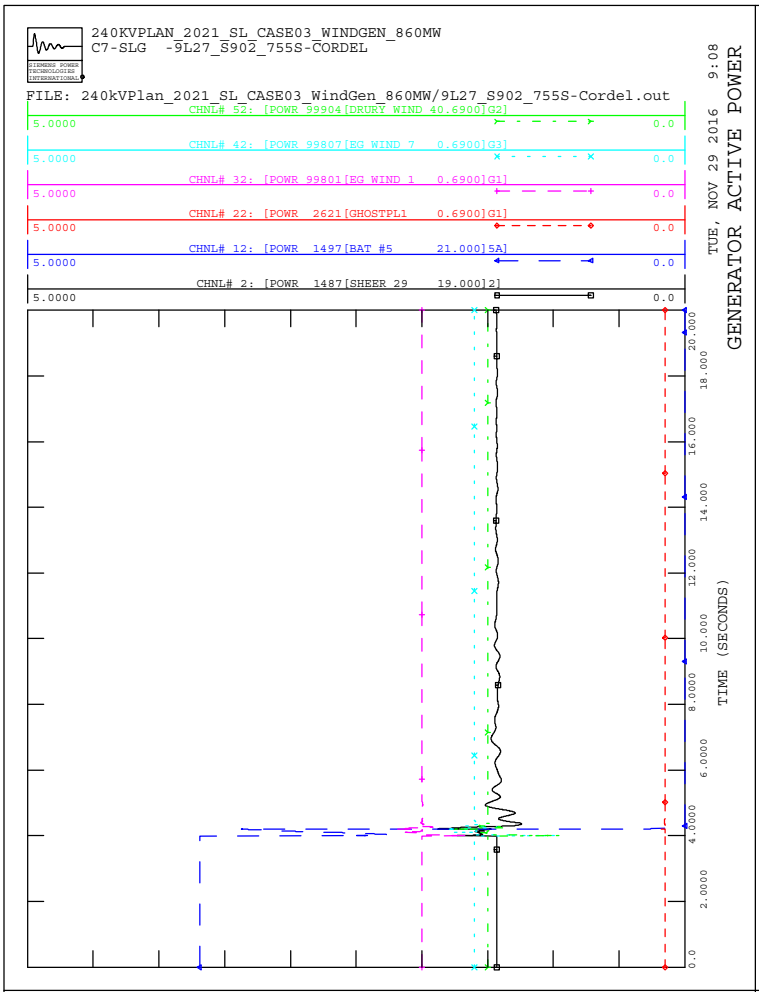
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S902_755S-Cordel.out

TUE, NOV 29 2016 9:08

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S902_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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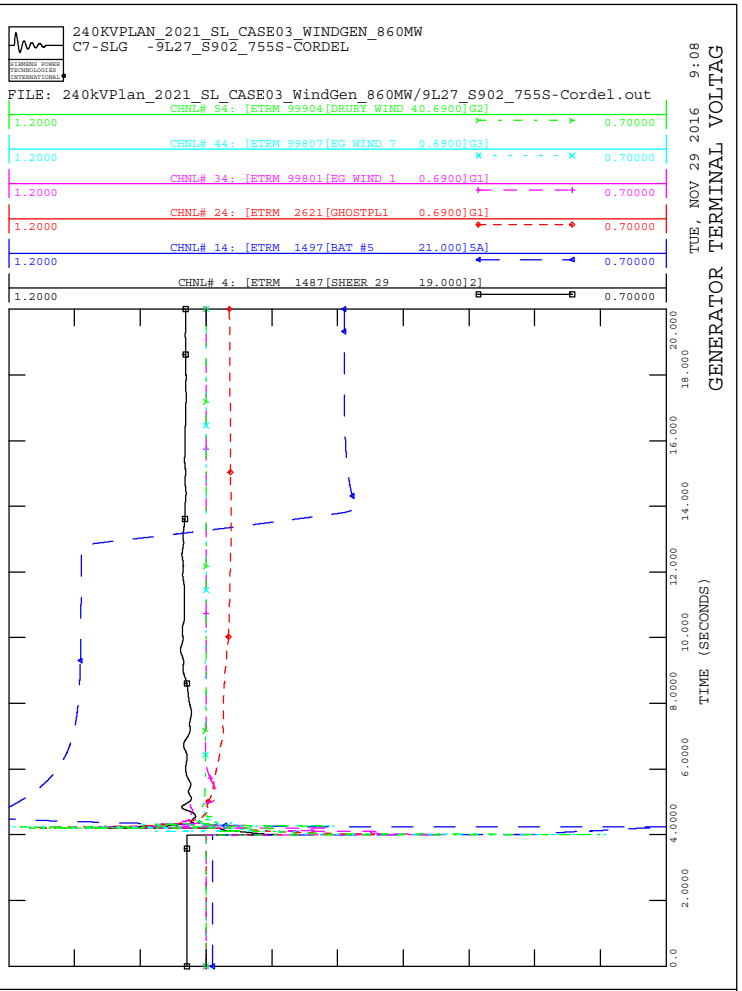
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S902_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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4.0000
6.0000
8.0000
10.000
12.000
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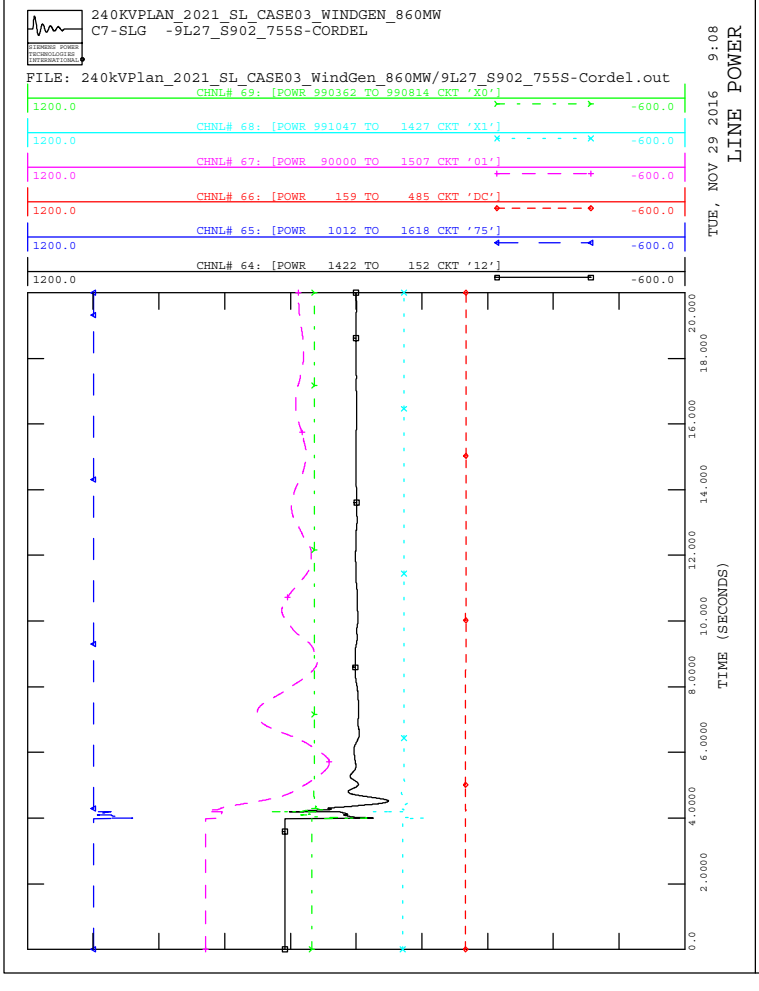
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S902_755S-Cordel.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
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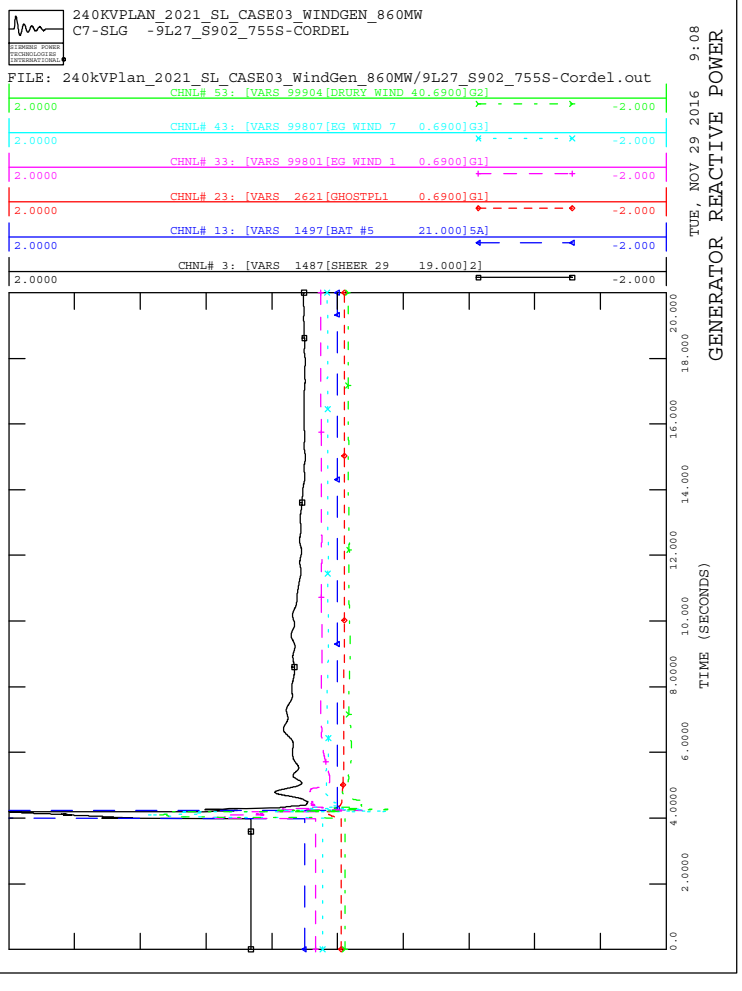
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S902_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL

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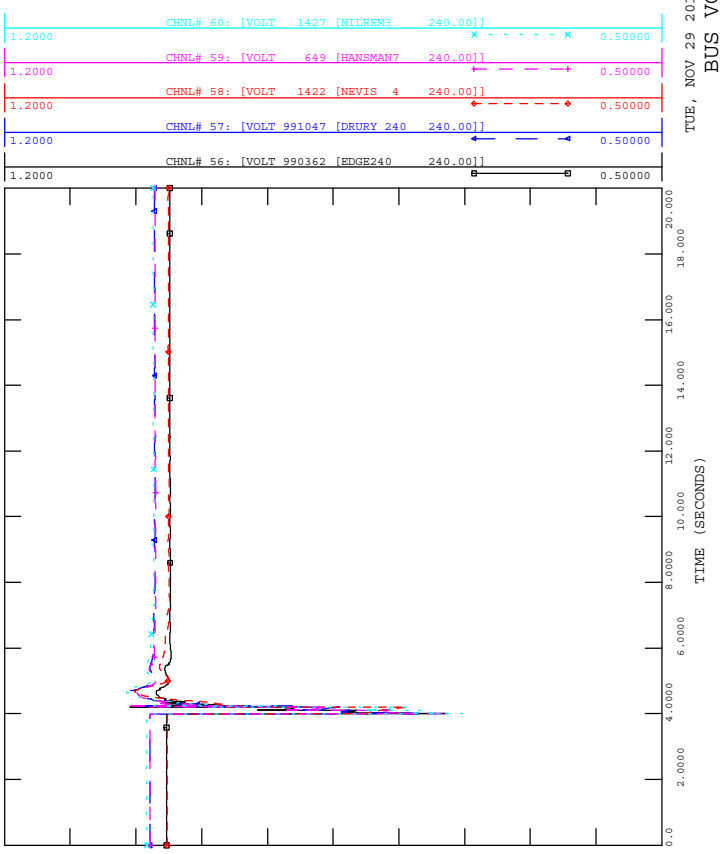
TUE, NOV 29 2016 9:08

BUS VOLTAGE

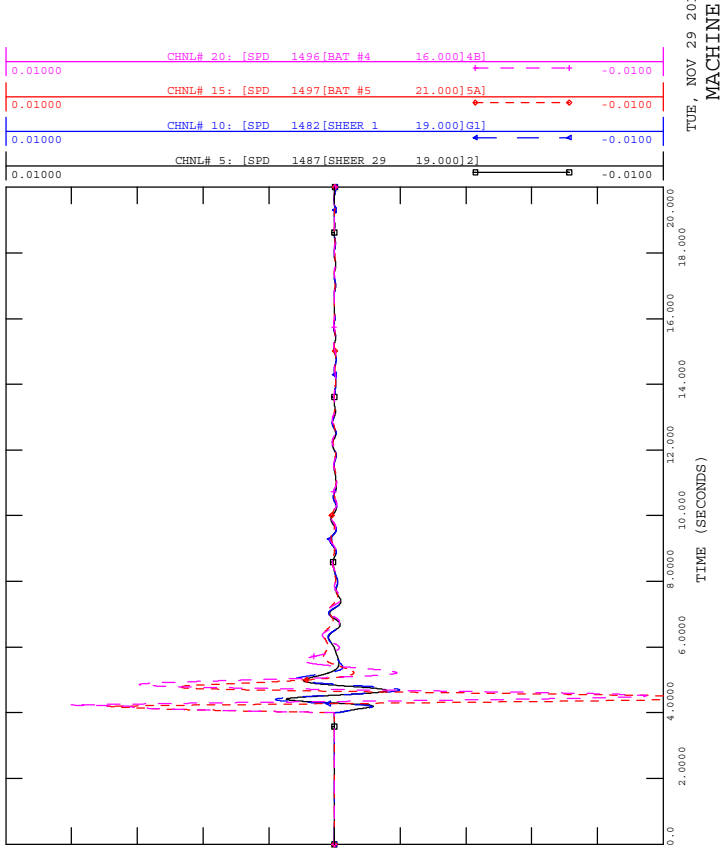


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S903_755S-Cordel.out

TUE, NOV 29 2016 9:08

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL

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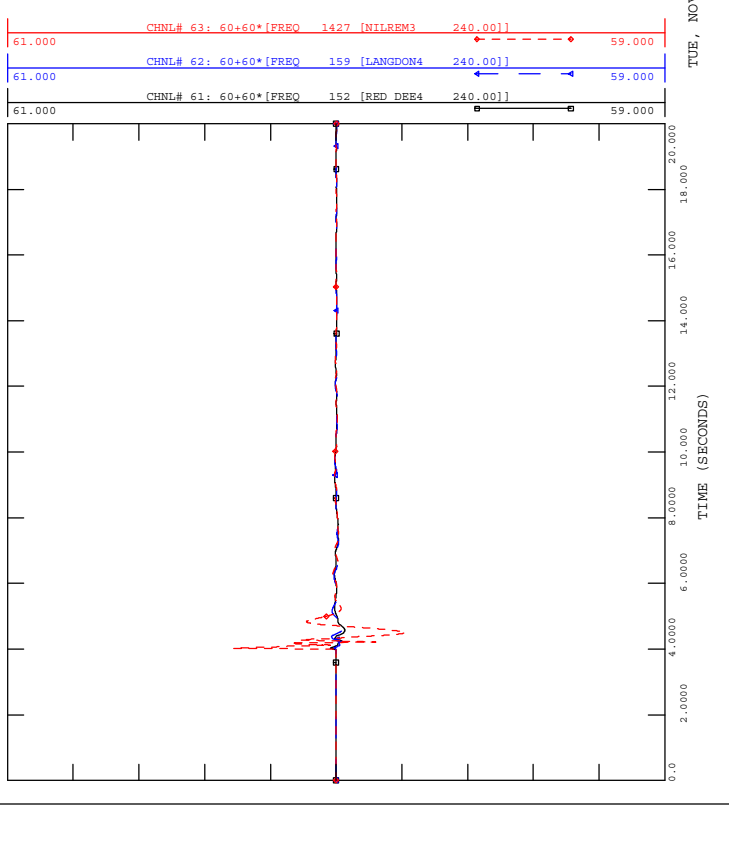
TUE, NOV 29 2016 9:08

FREQUENCY

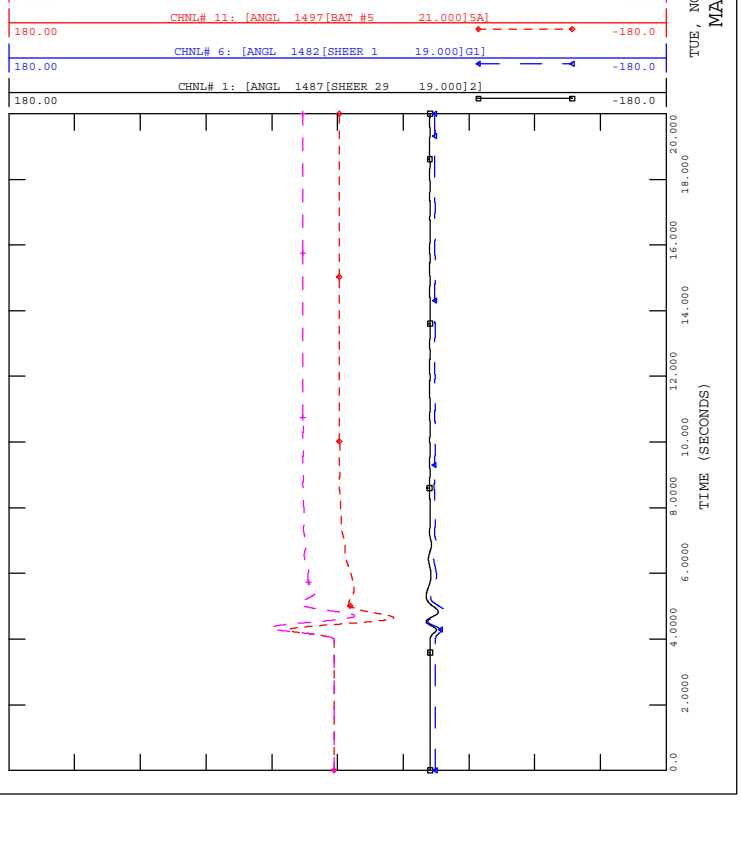


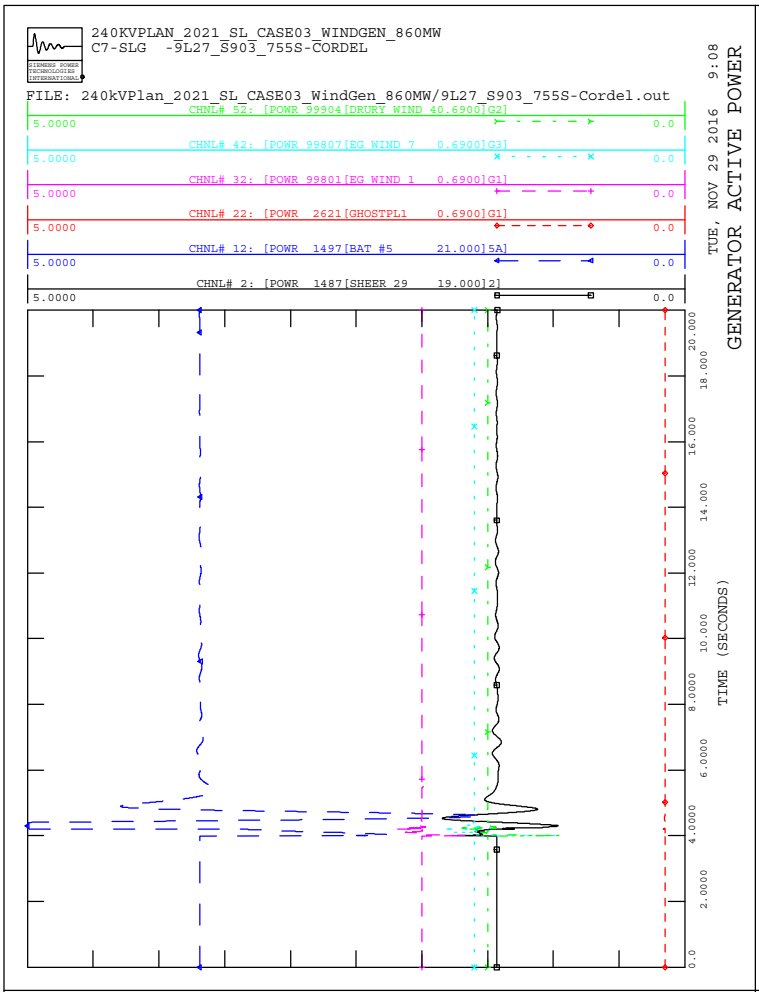
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL

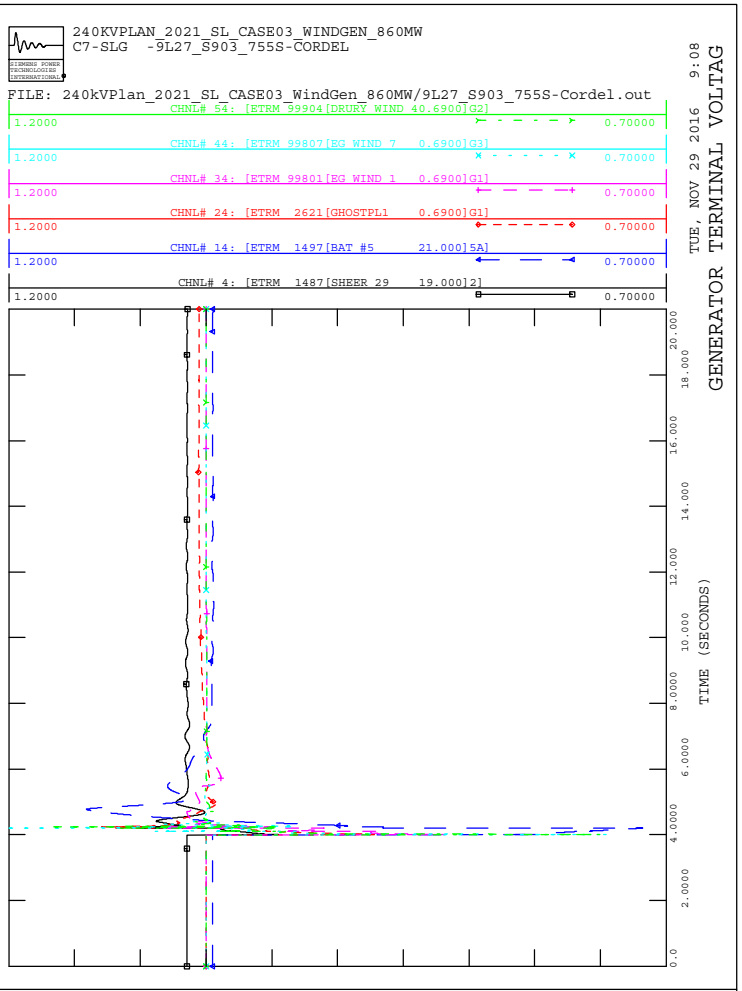
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S903_755S-Cordel.out

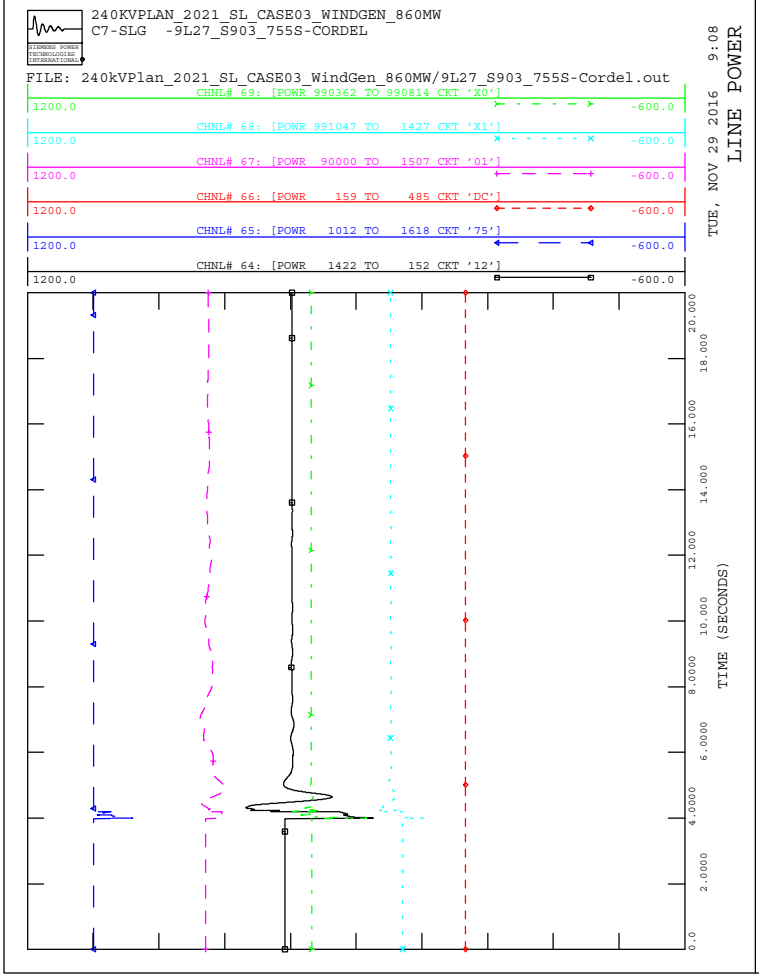
TUE, NOV 29 2016 9:08

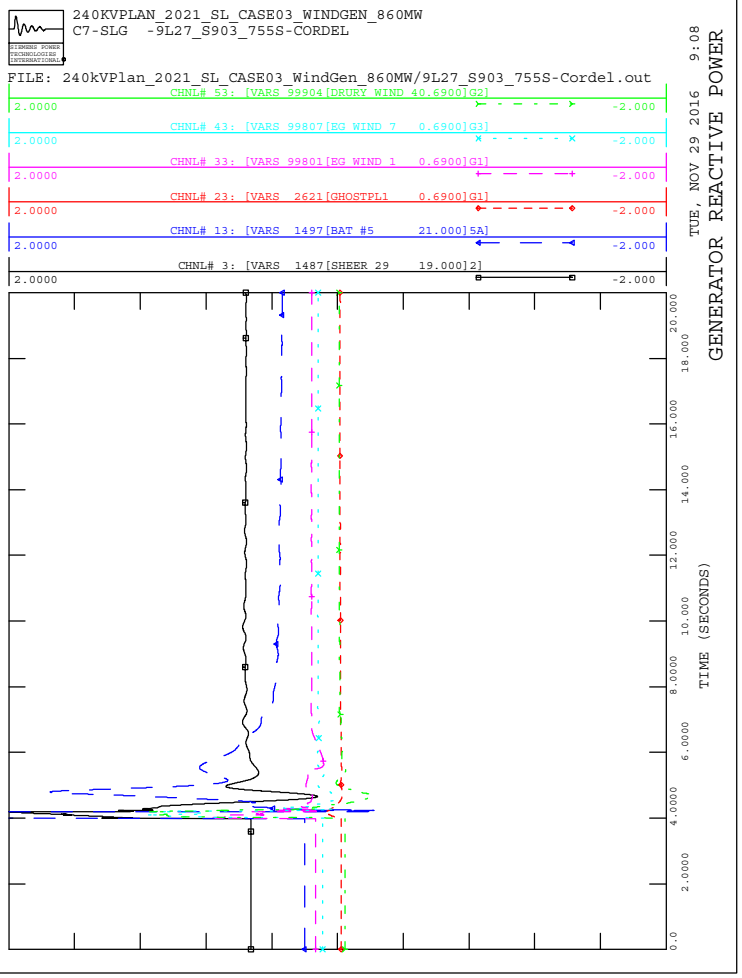
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S903_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S903_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L27_S903_755S-Cordel.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL
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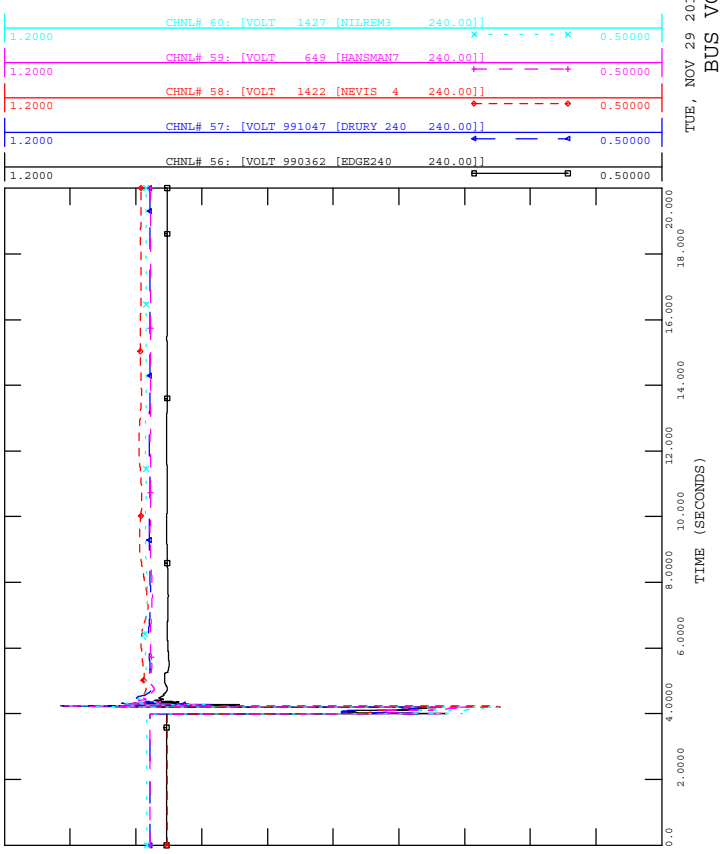
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S901_755S-Cordel.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

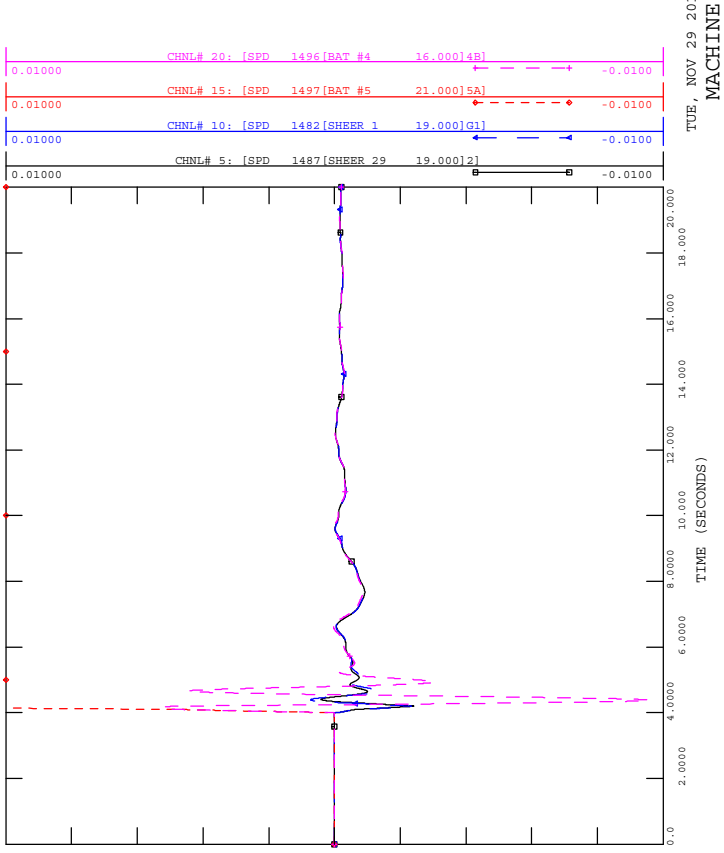


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S901_755S-Cordel.out

TUE, NOV 29 2016 9:08

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S901_755S-Cordel.out

TUE, NOV 29 2016 9:08

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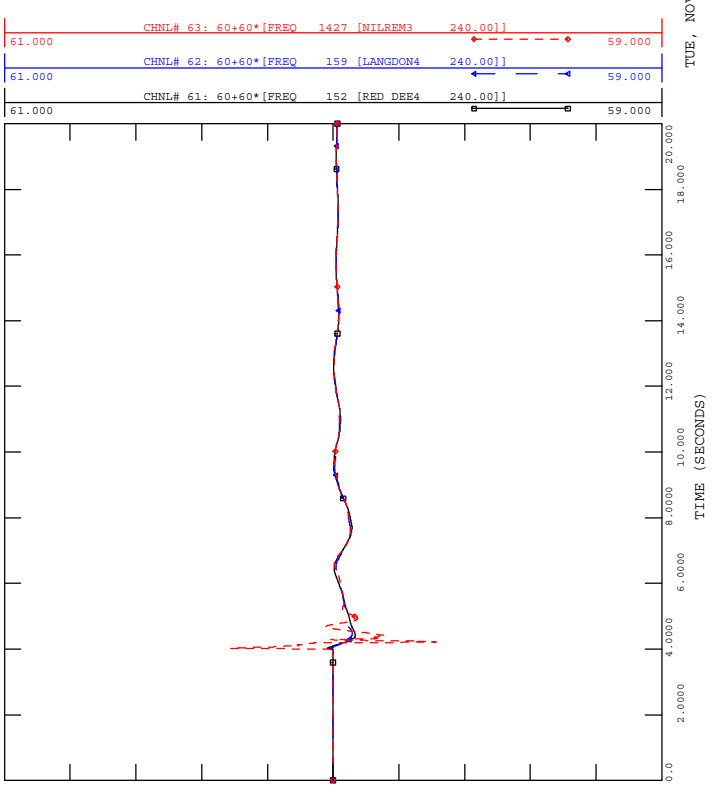
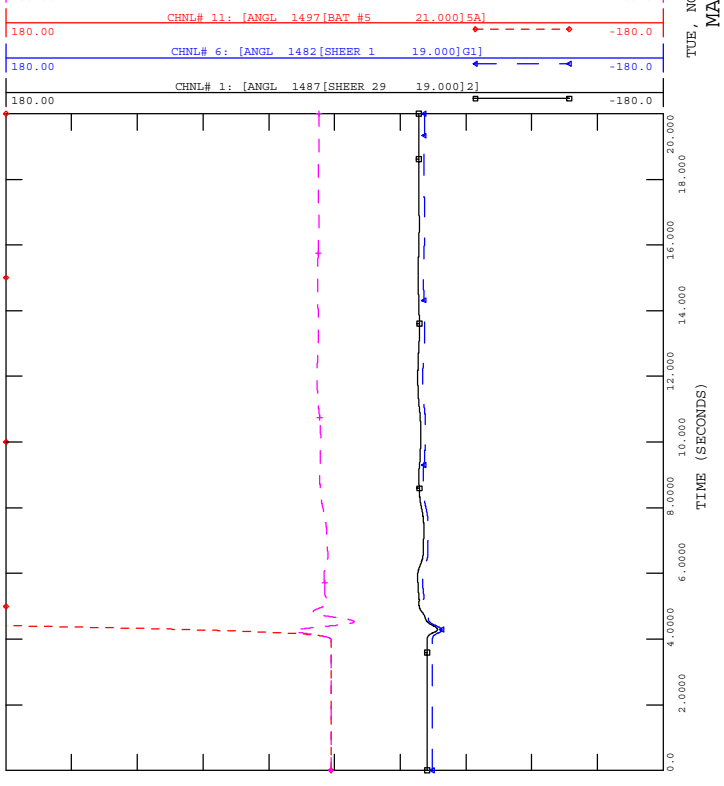


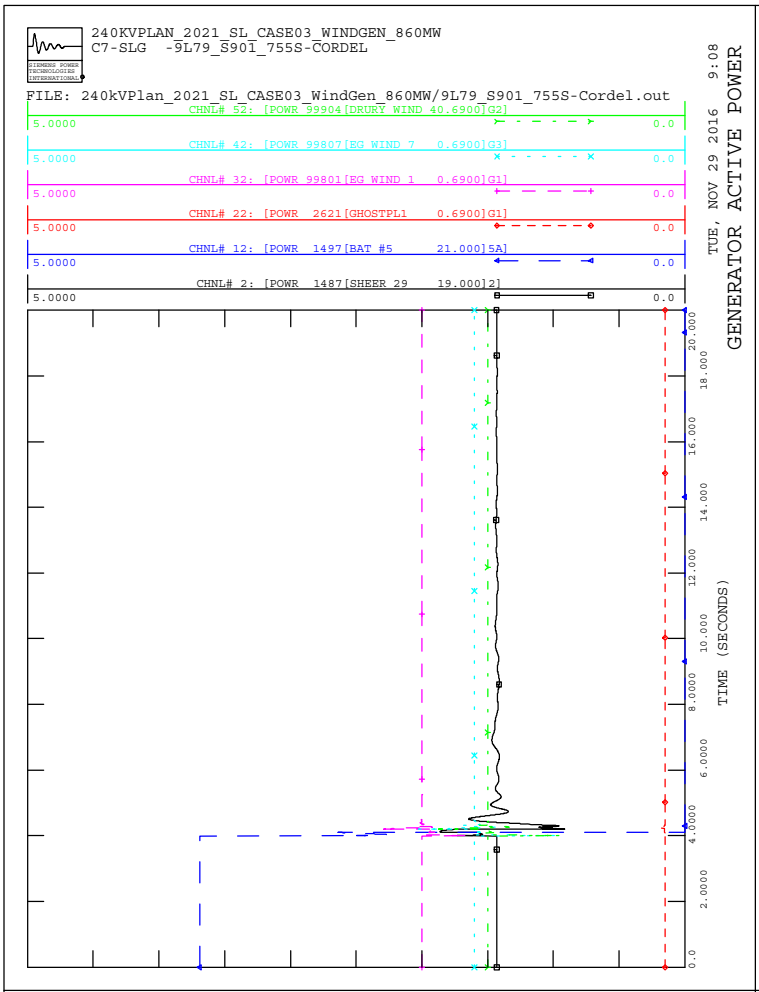
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL

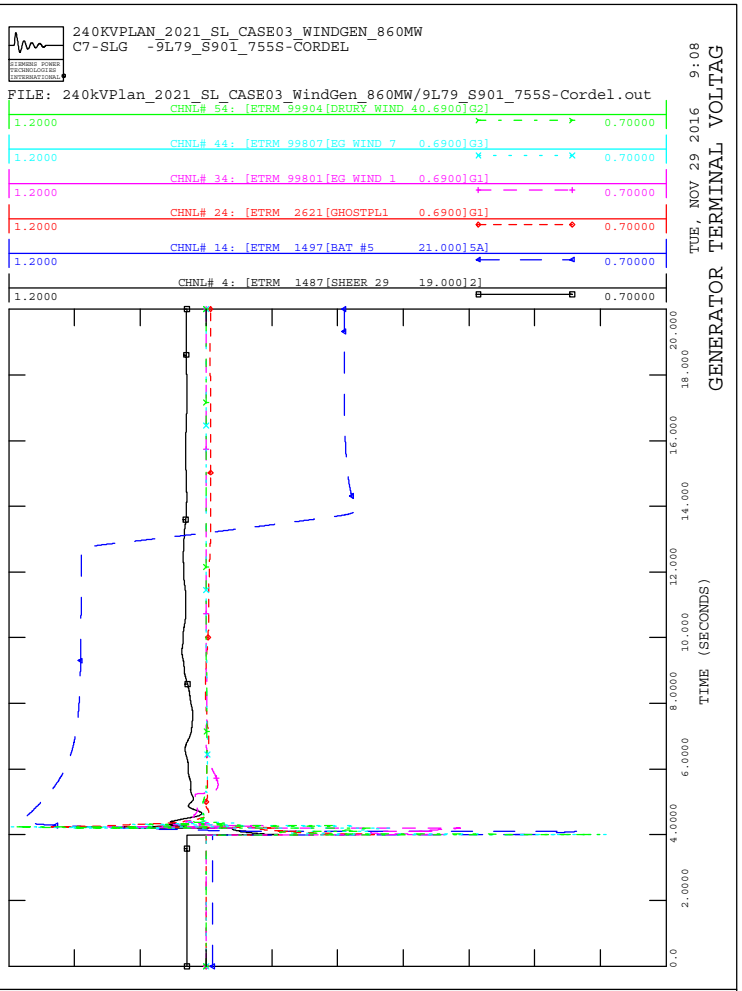
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S901_755S-Cordel.out

TUE, NOV 29 2016 9:08

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S901_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S901_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
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14.000
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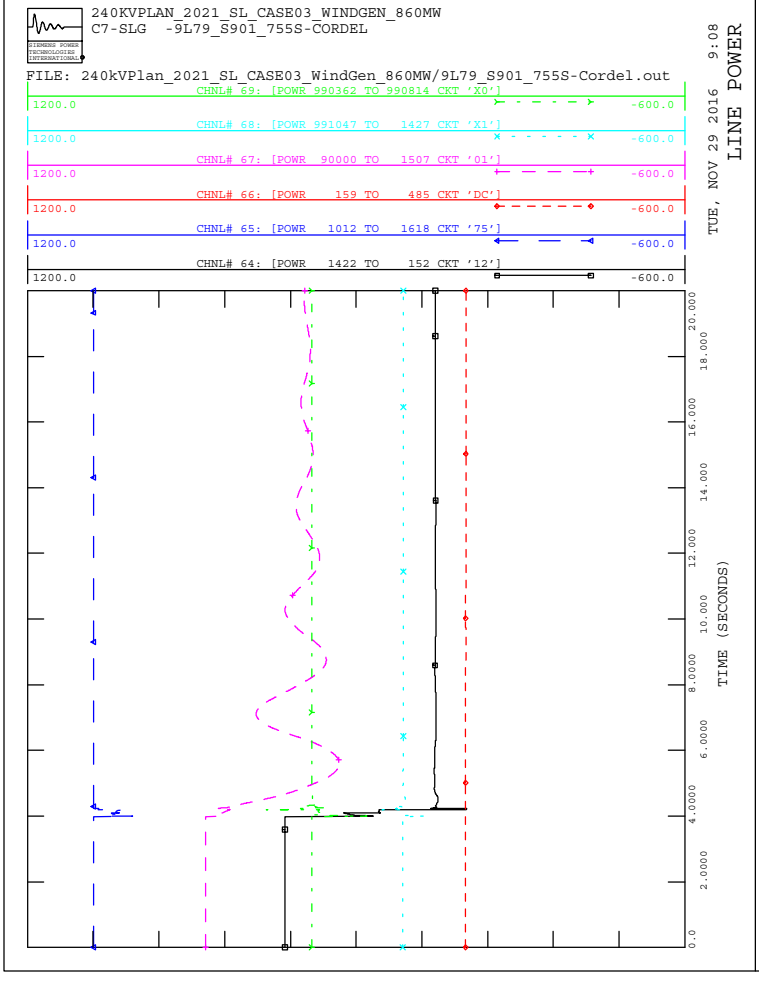
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S901_755S-Cordel.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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10.000
12.000
14.000
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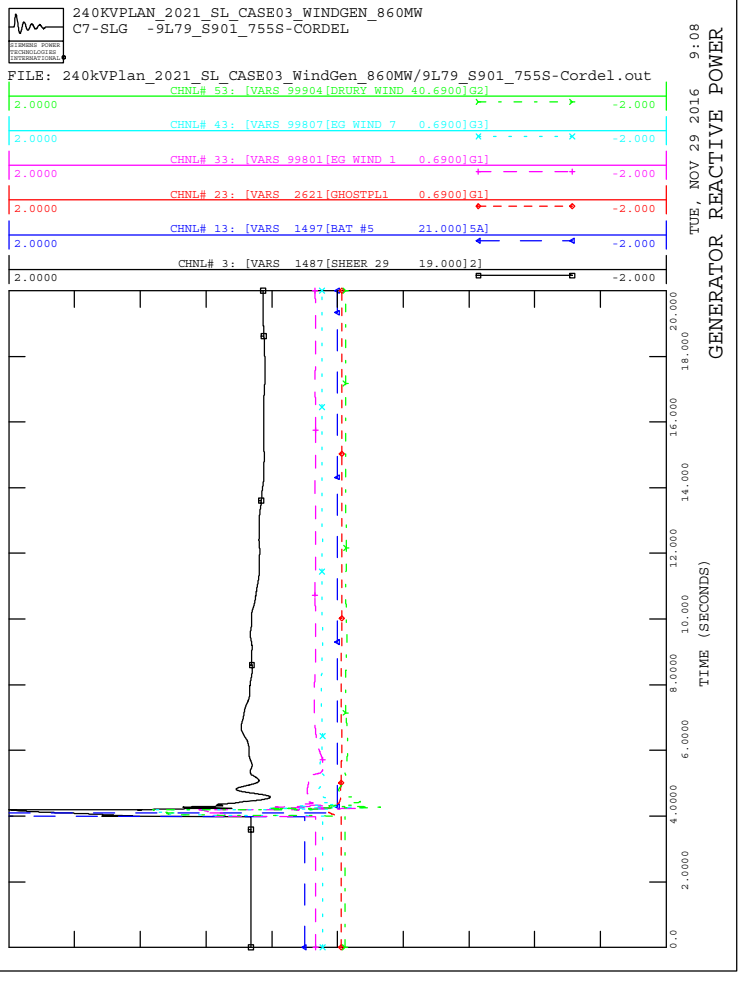
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S901_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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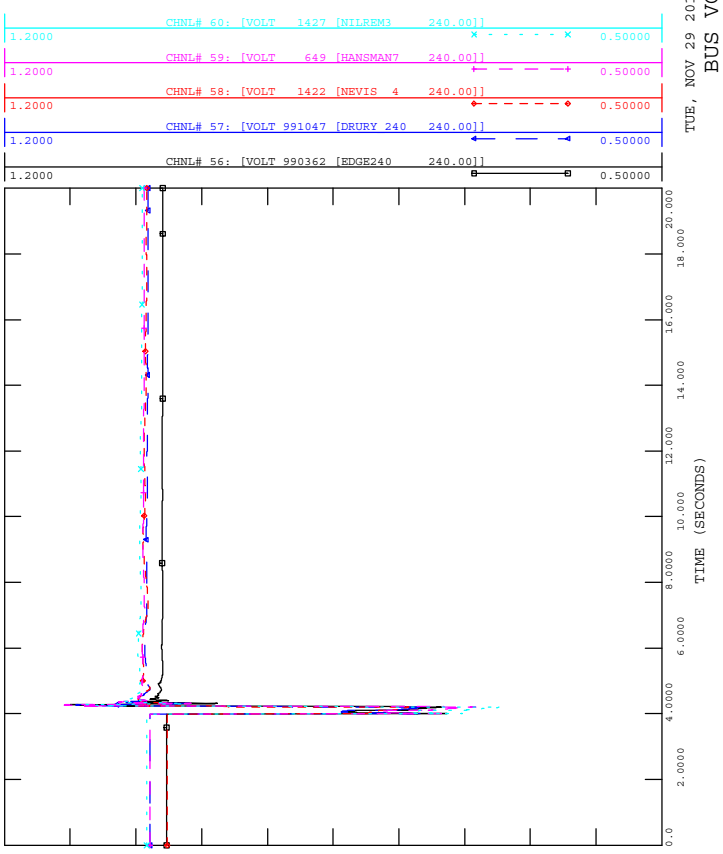
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

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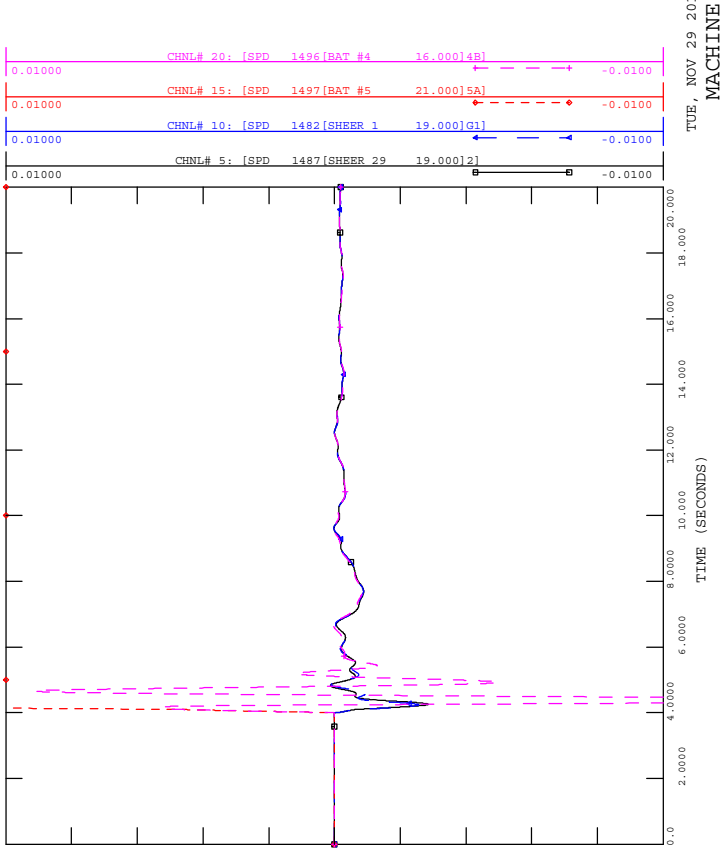
TUE, NOV 29 2016 9:08

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:08

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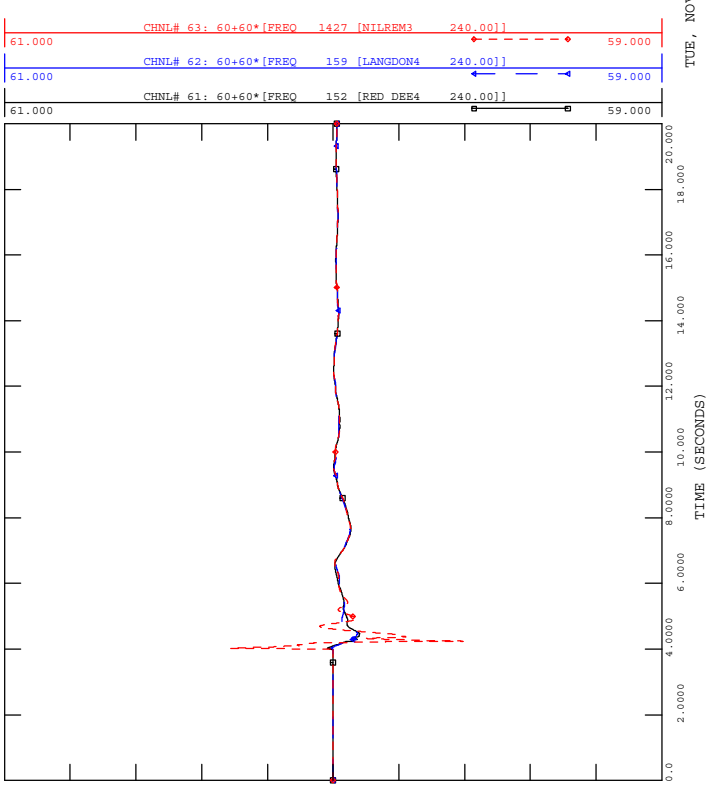
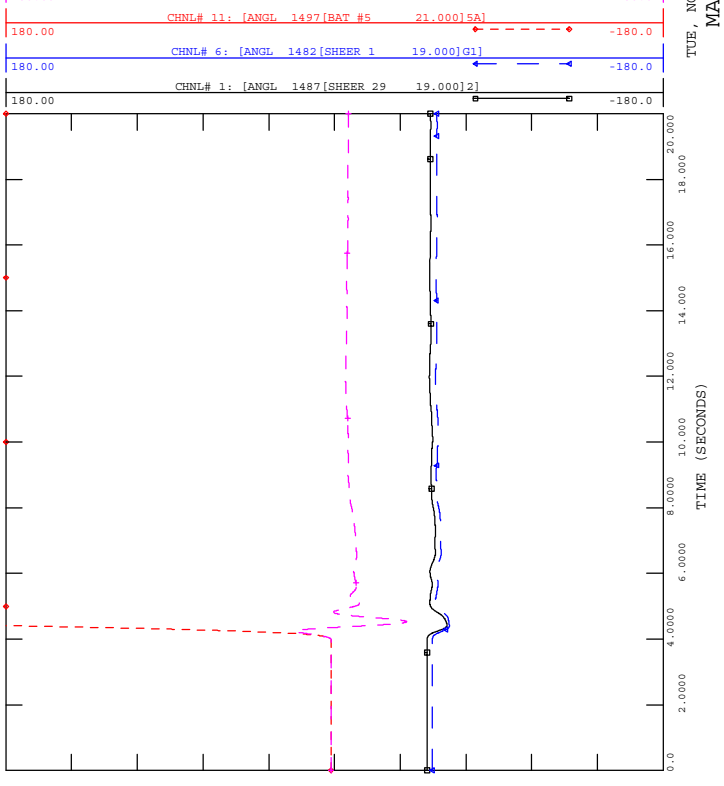


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:08

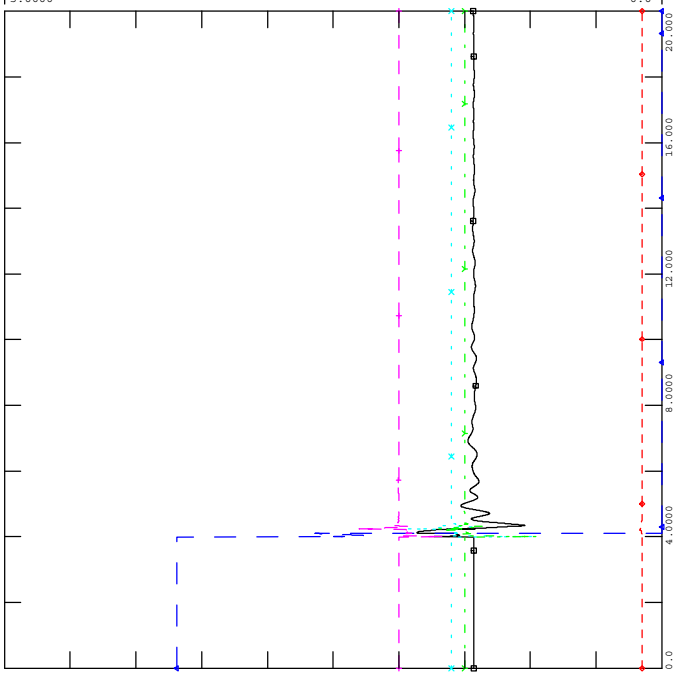
GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

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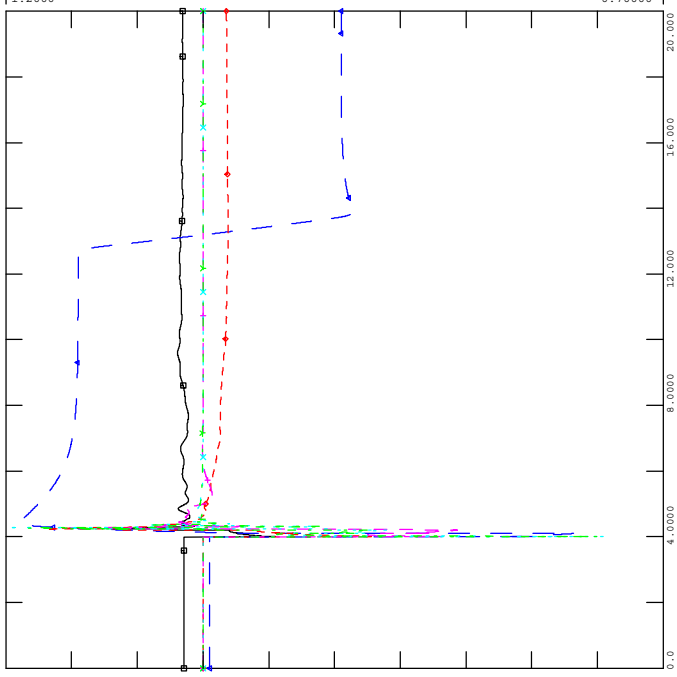


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:08

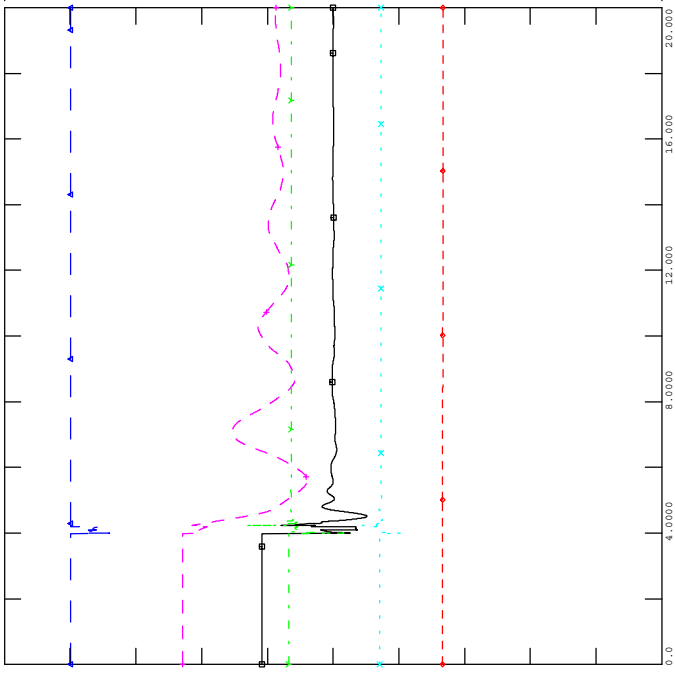
LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:08

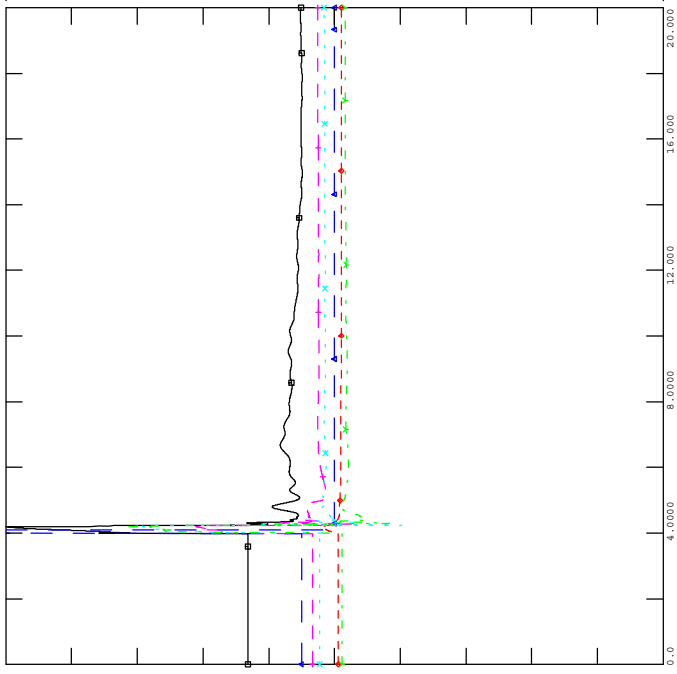
GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

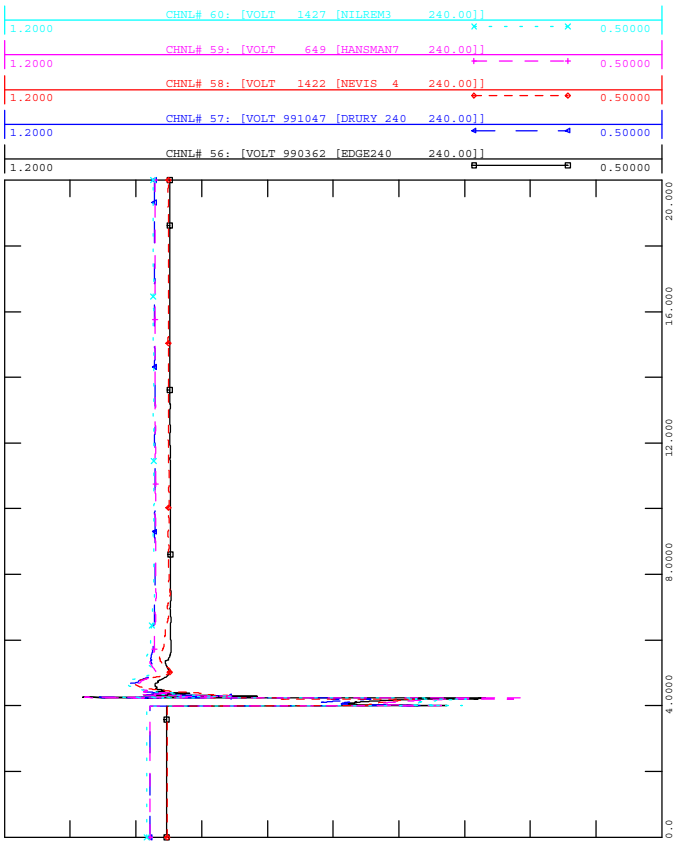


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S903_755S-Cordel.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

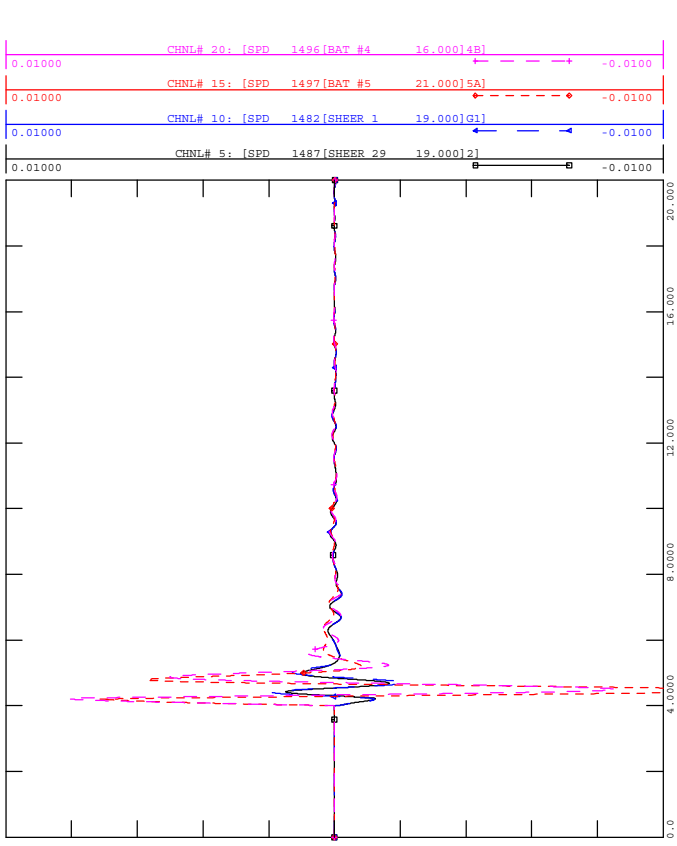


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S903_755S-Cordel.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

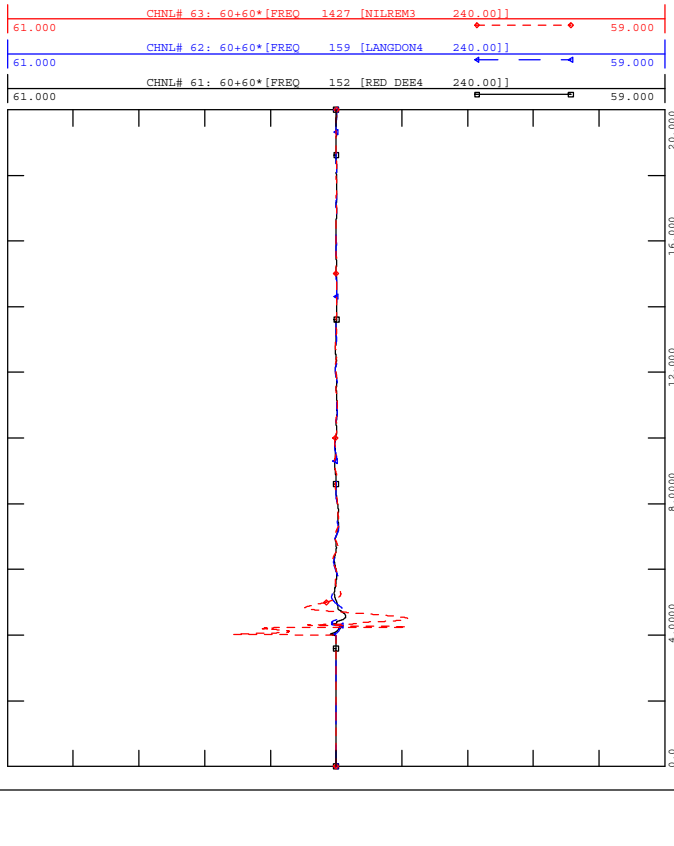


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S903_755S-Cordel.out

TUE, NOV 29 2016 9:08

FREQUENCY

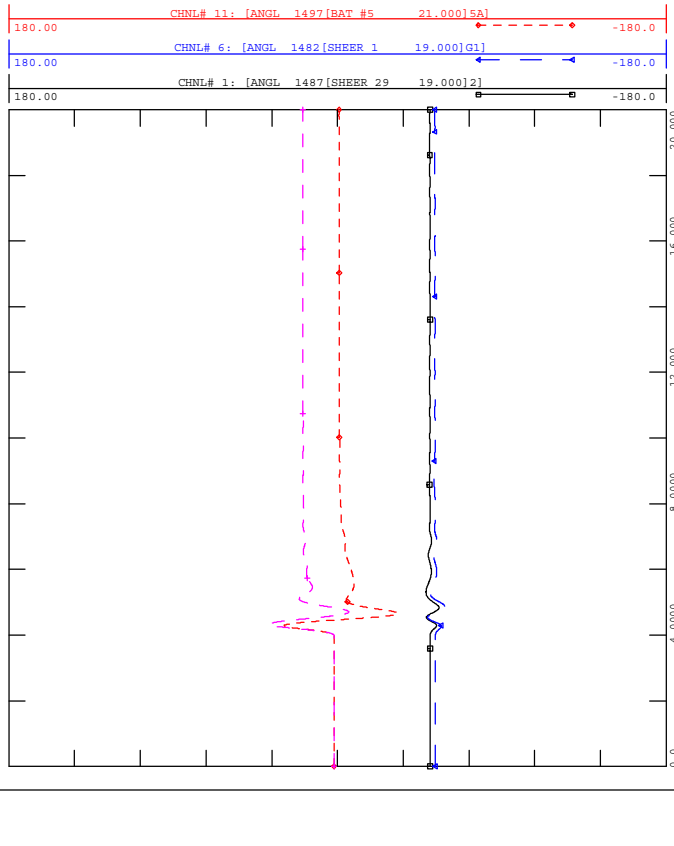


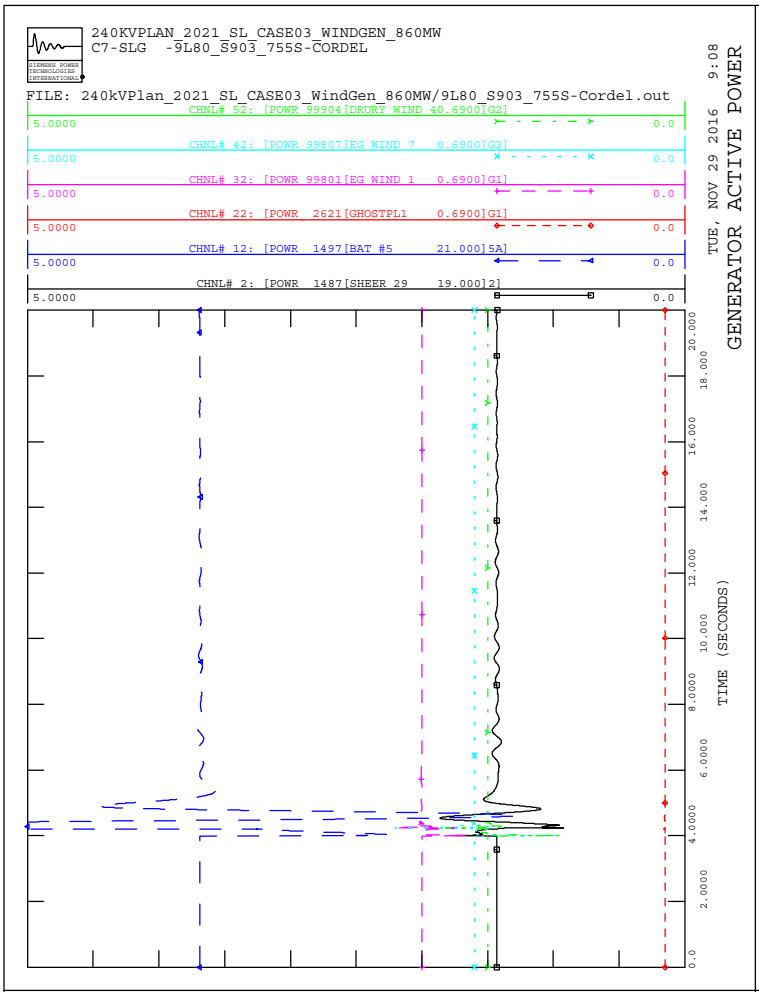
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL

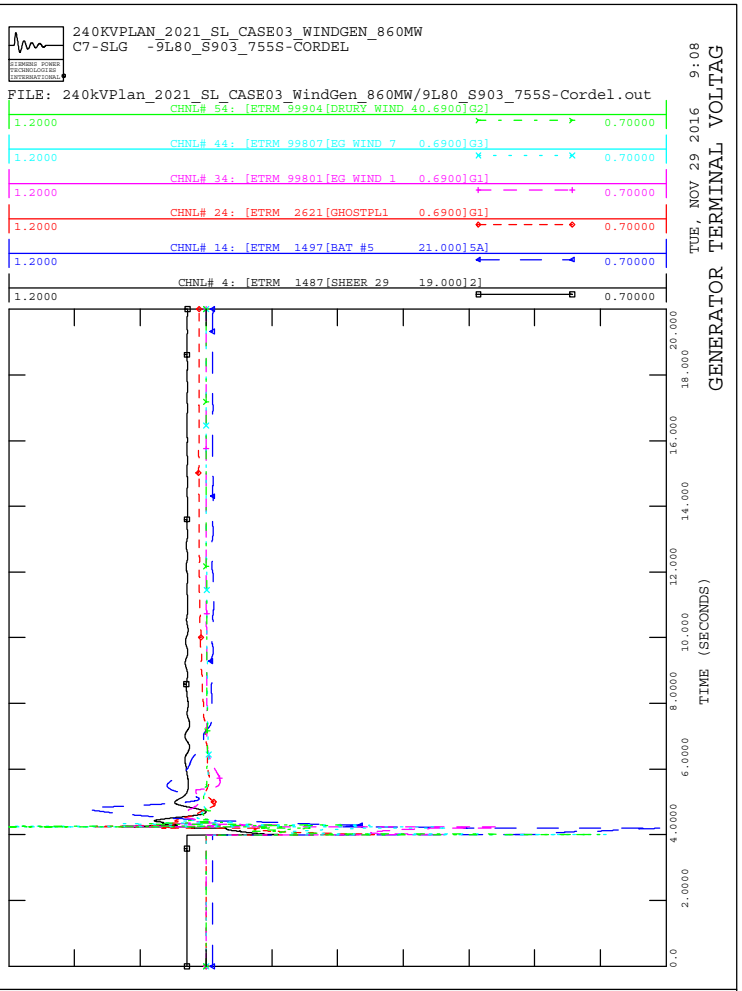
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S903_755S-Cordel.out

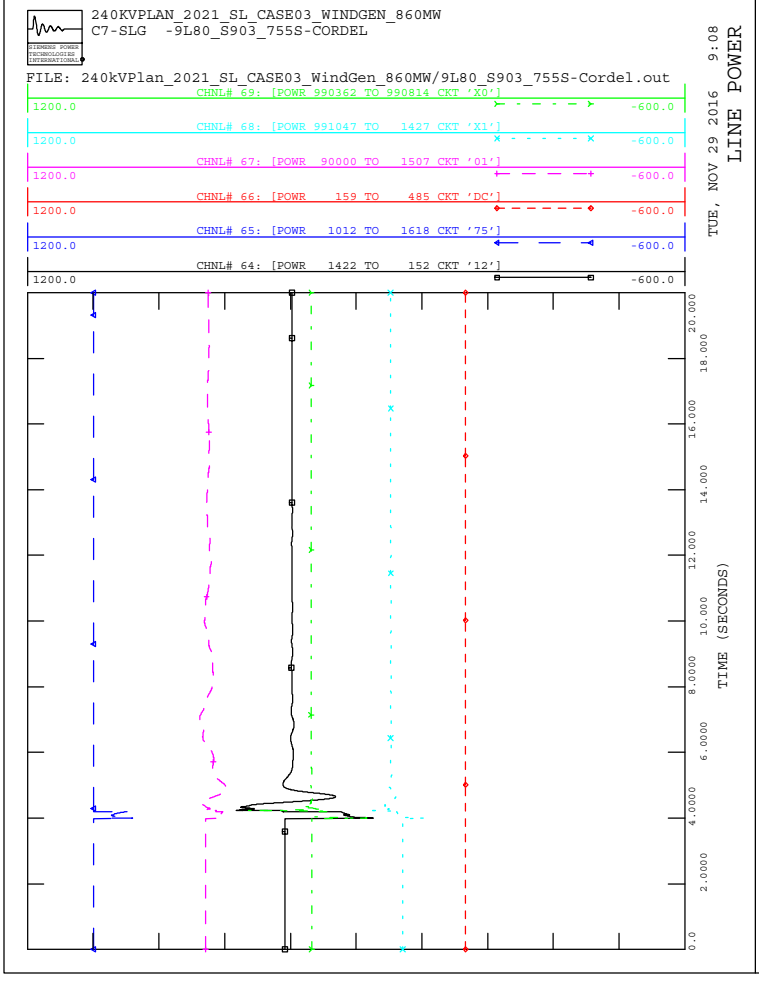
TUE, NOV 29 2016 9:08

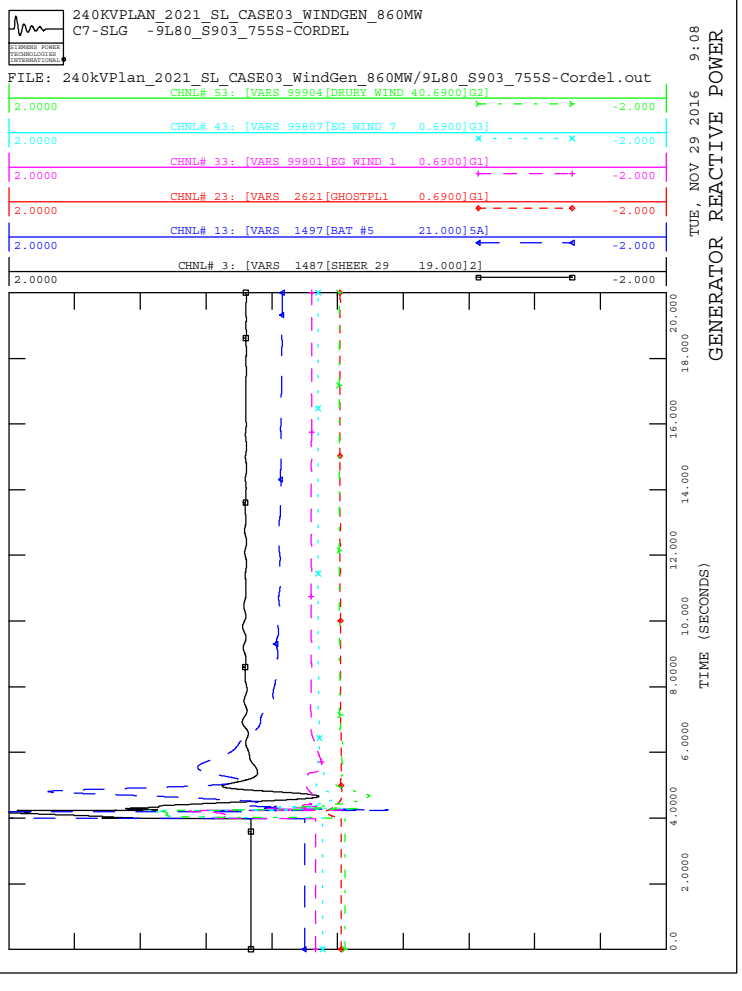
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S903_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S903_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S903_755S-Cordel.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

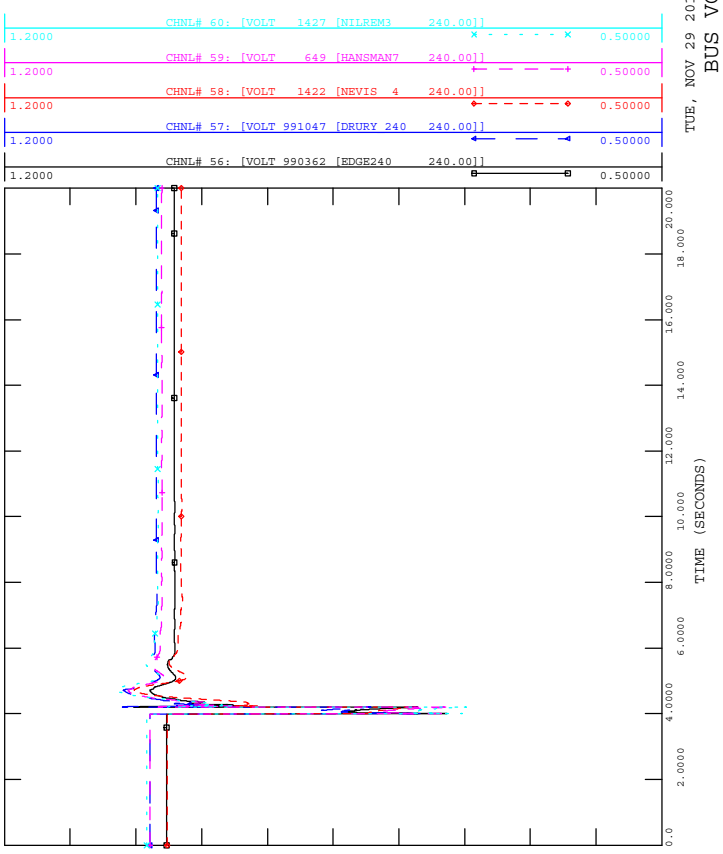

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S903_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S904_755S-Cordel.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

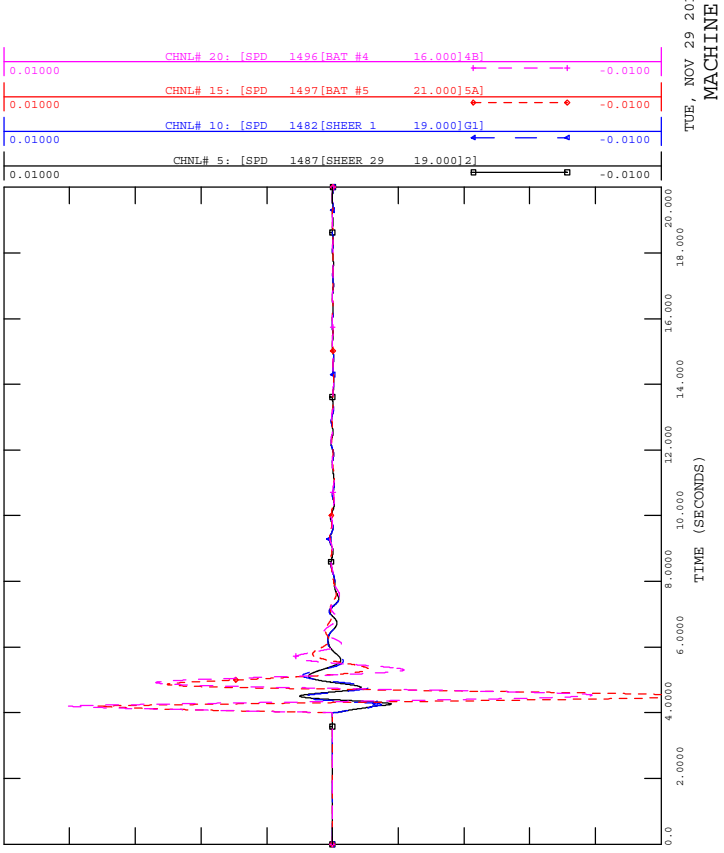


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S904_755S-Cordel.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

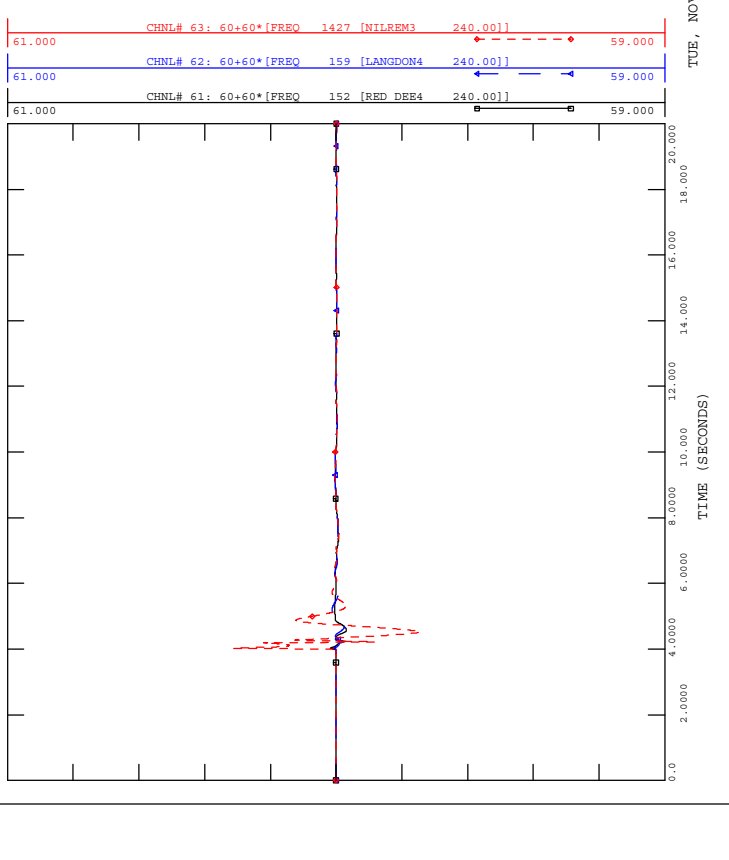


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S904_755S-Cordel.out

TUE, NOV 29 2016 9:08

FREQUENCY

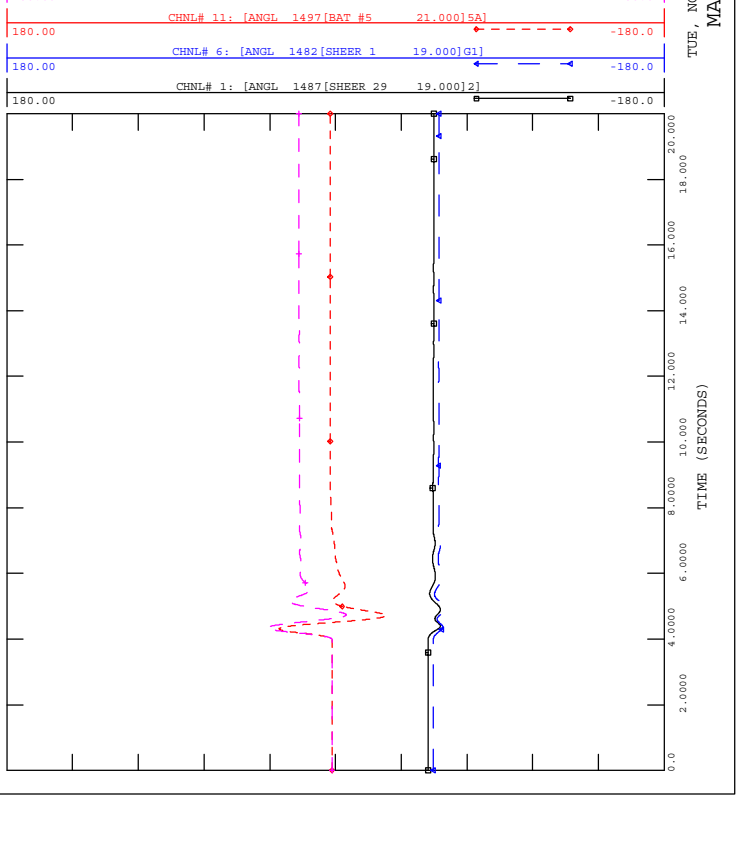


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S904_755S-Cordel.out

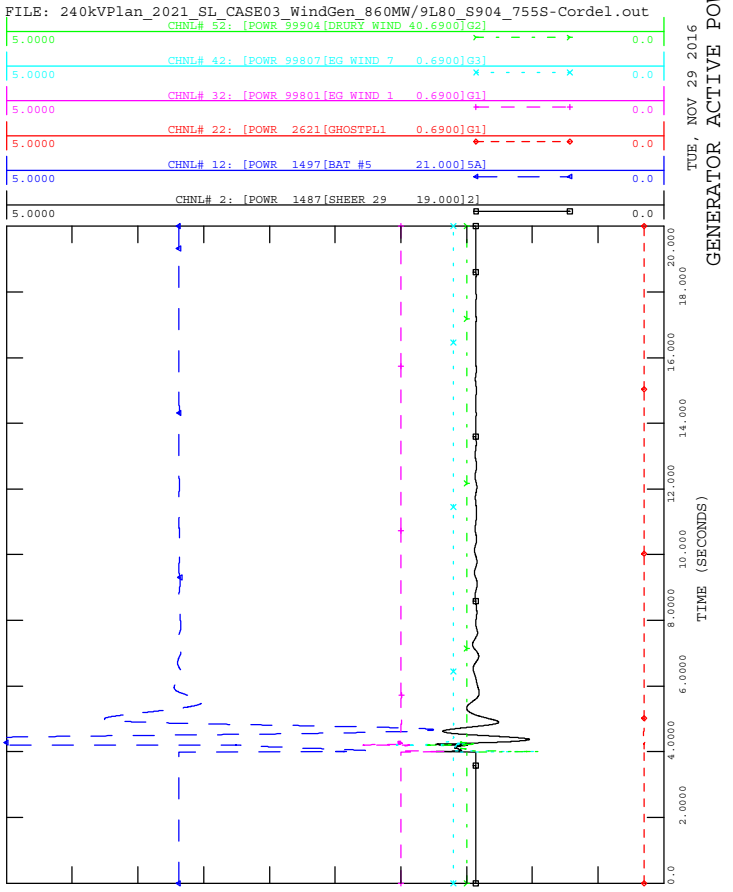
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S904_755S-Cordel.out

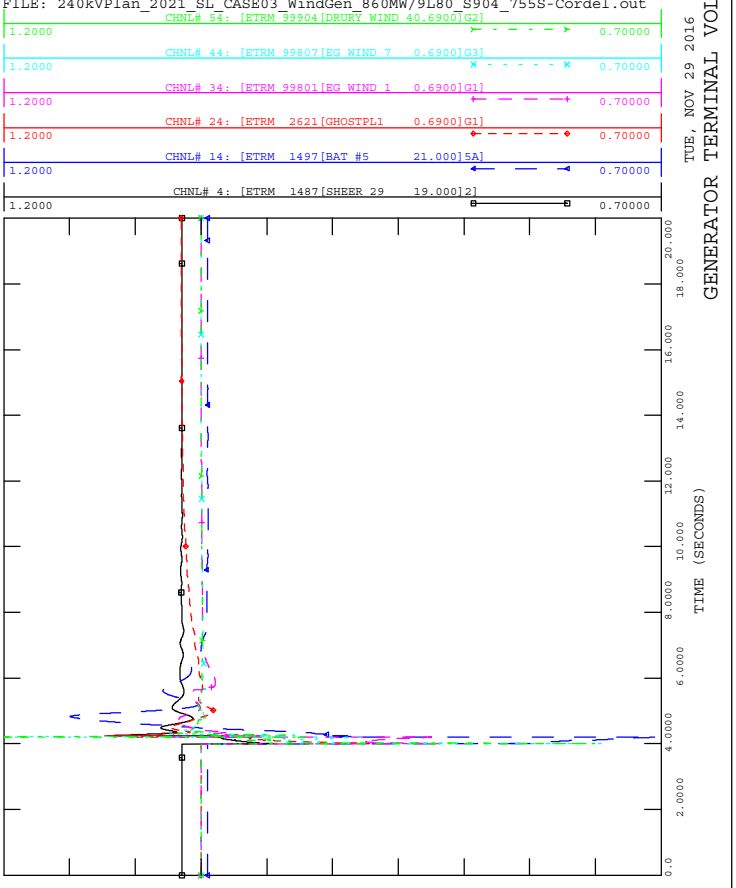


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S904_755S-Cordel.out

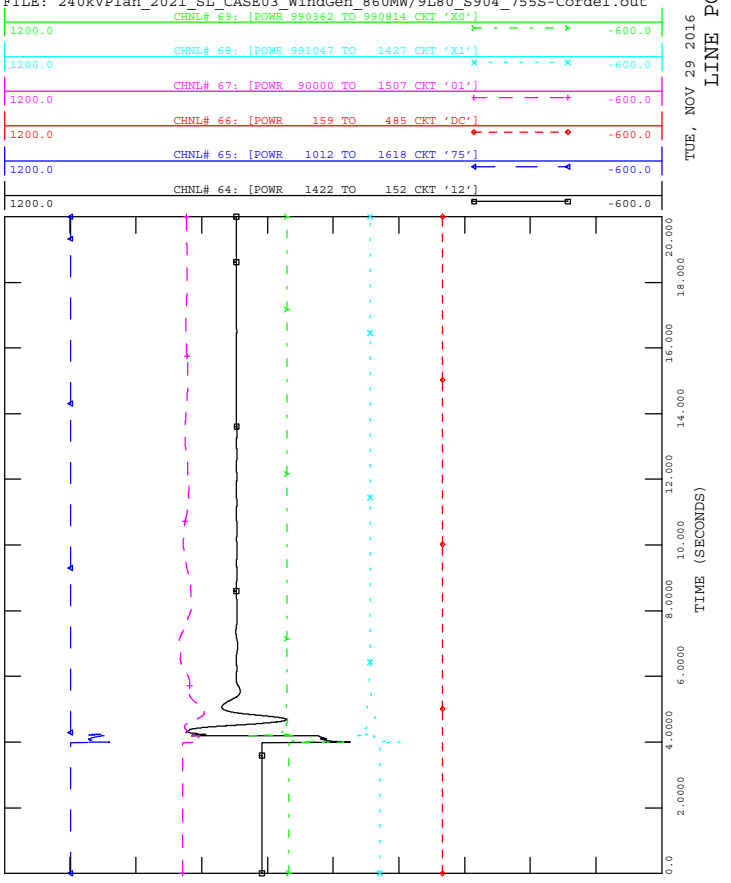


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S904_755S-Cordel.out

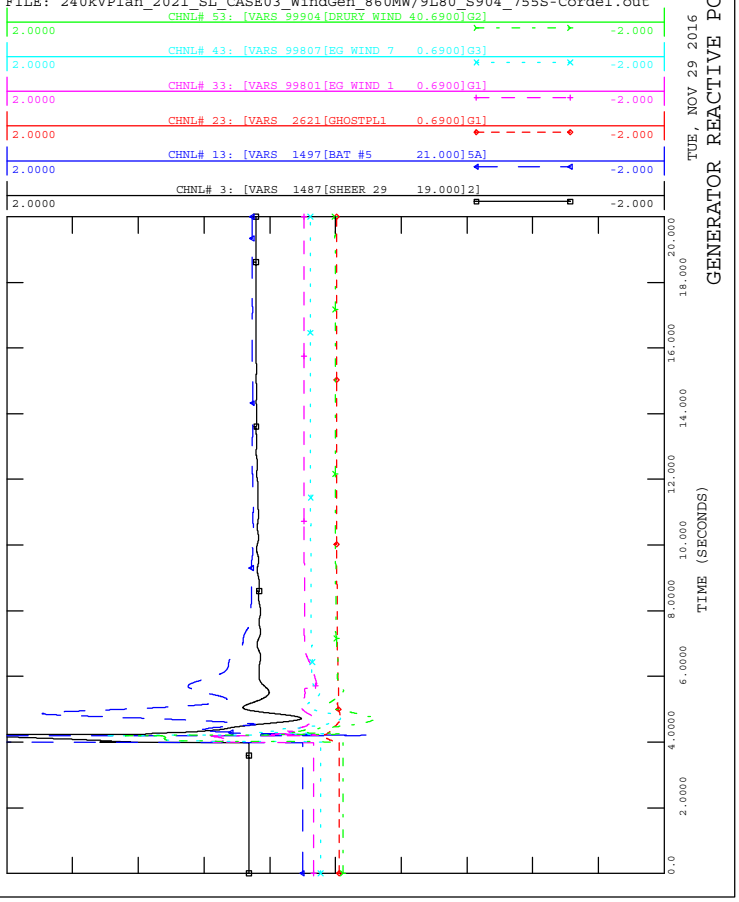


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S904_755S-Cordel.out



TUE, NOV 29 2016 9:08

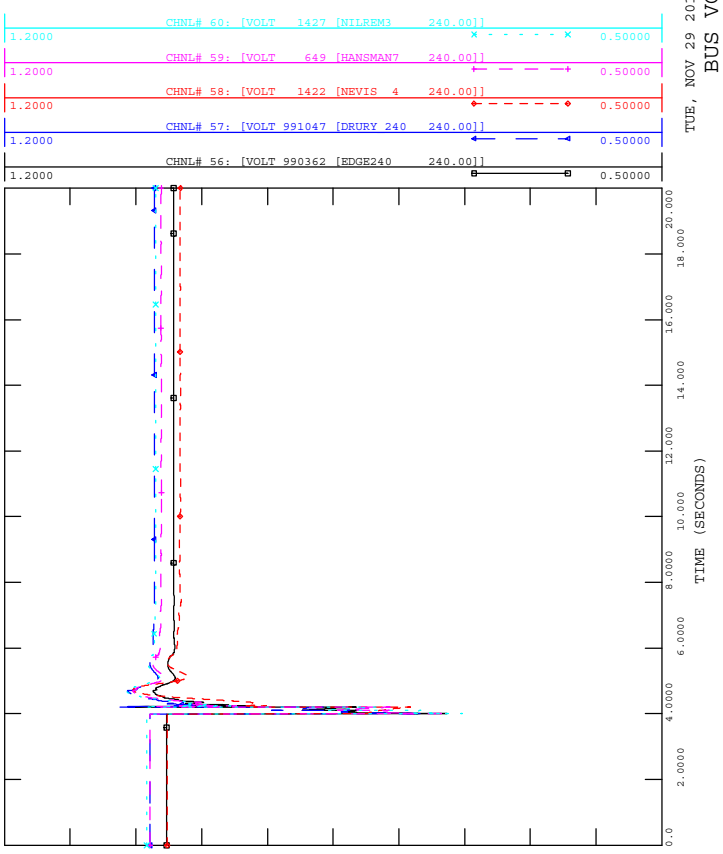
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S905_755S-Cordel.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

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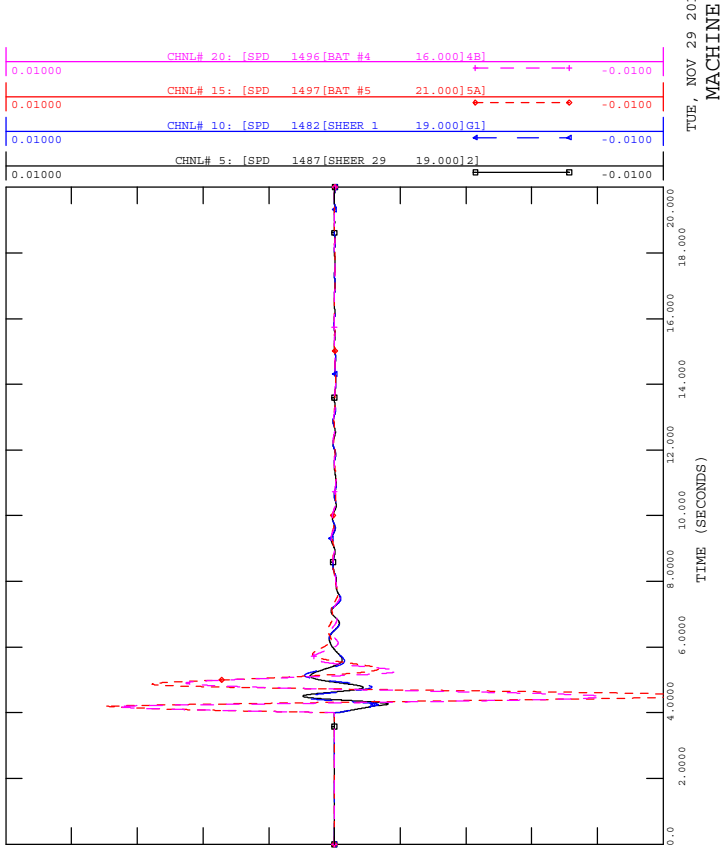
TUE, NOV 29 2016 9:08

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

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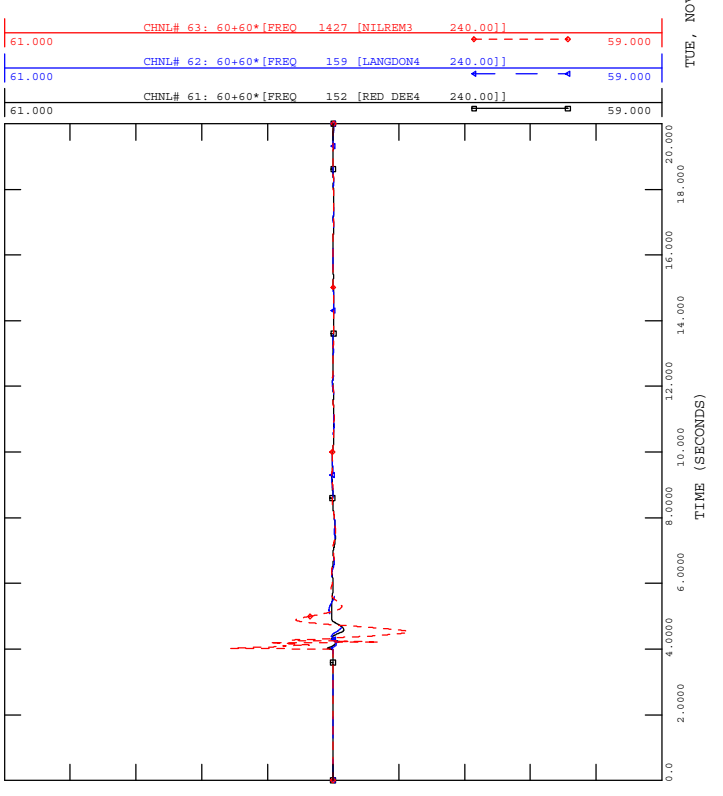
TUE, NOV 29 2016 9:08

FREQUENCY

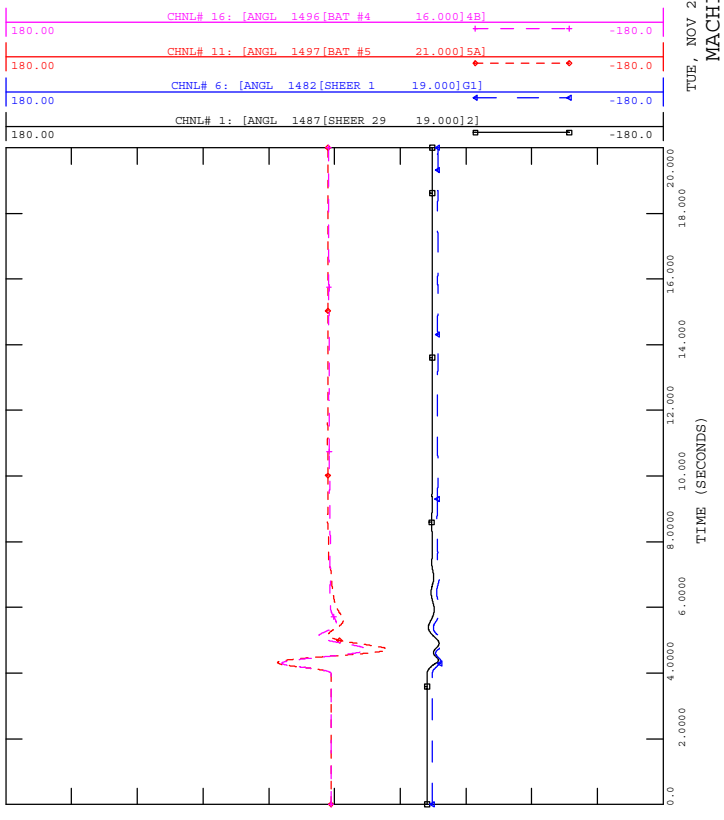


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S905_755S-Cordel.out

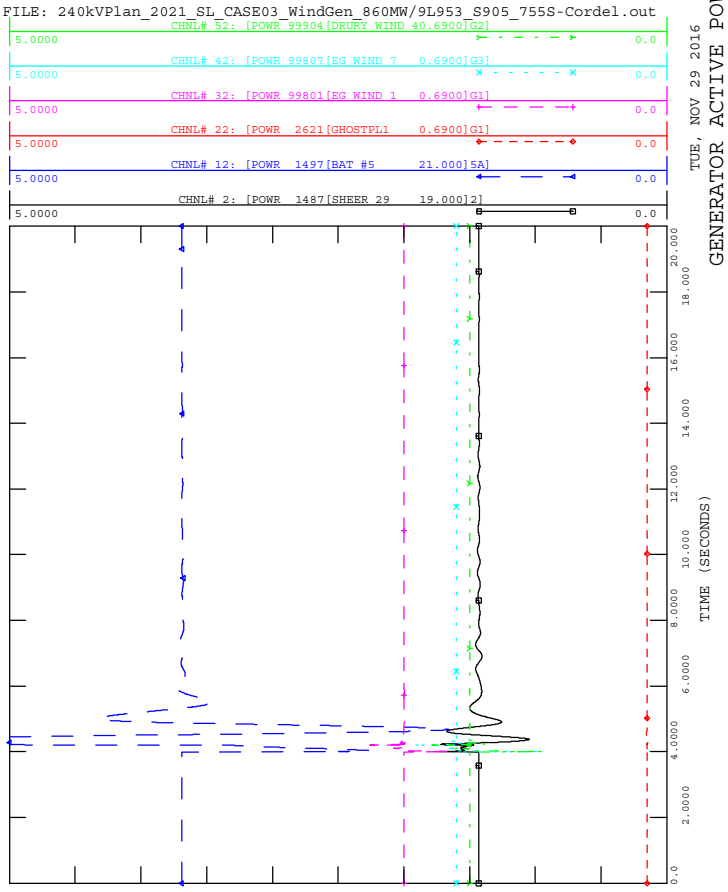
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S905_755S-Cordel.out

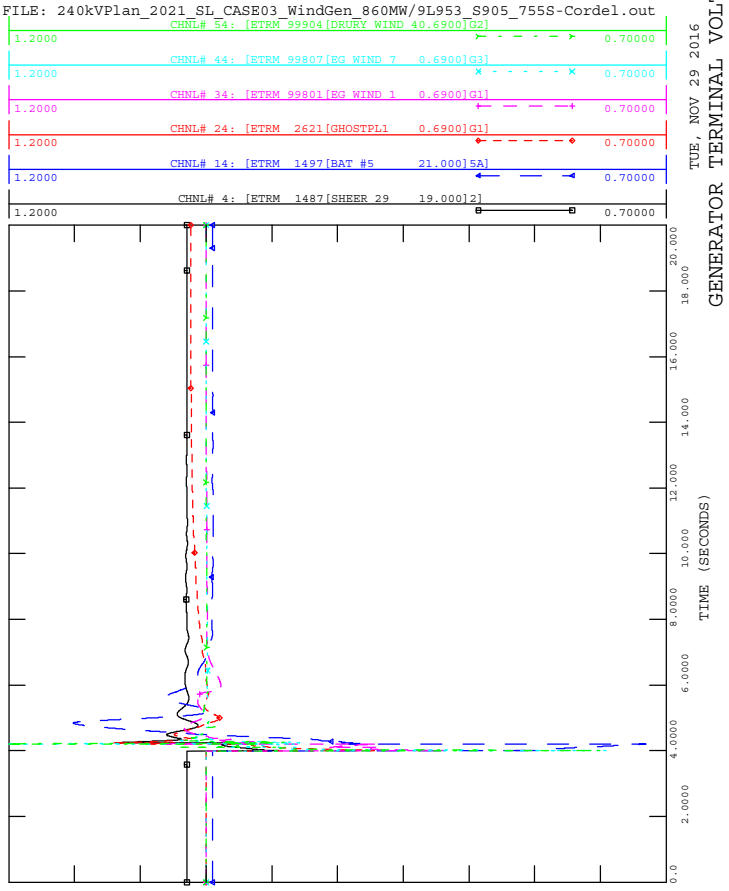


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S905_755S-Cordel.out

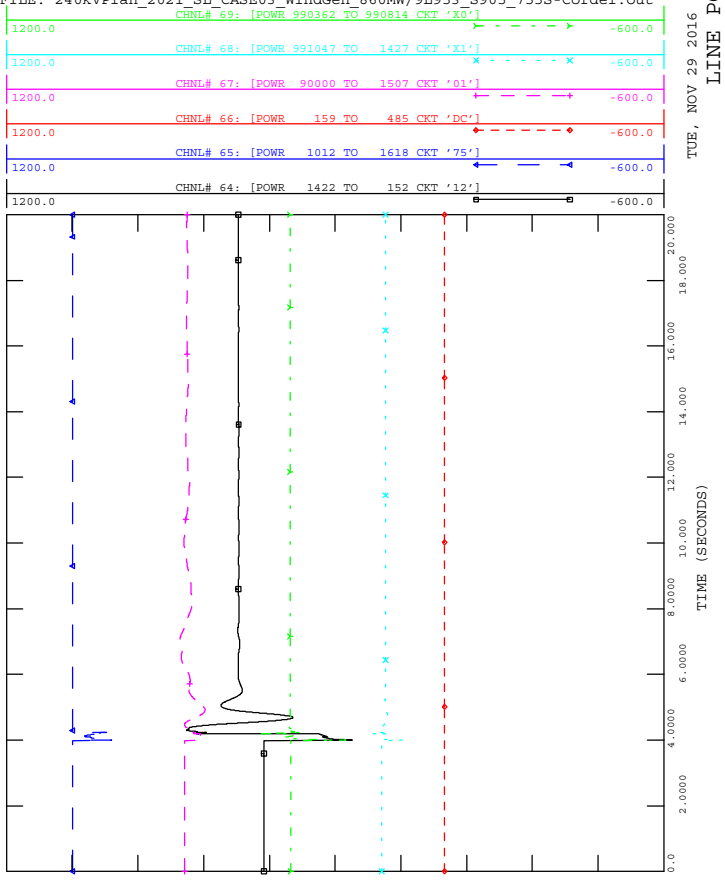


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S905_755S-Cordel.out

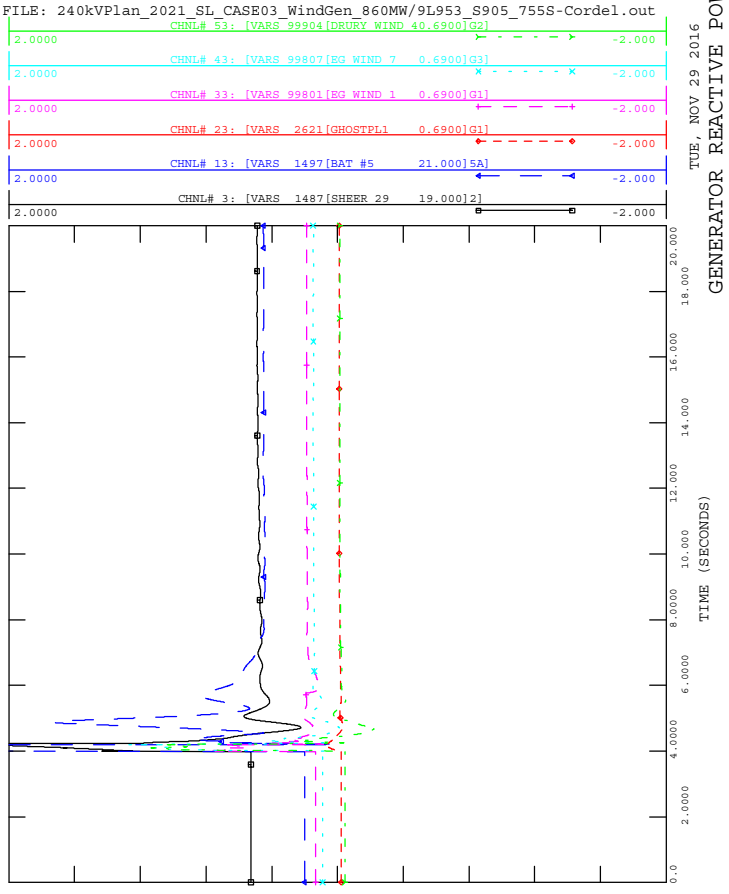


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S905_755S-Cordel.out



TUE, NOV 29 2016 9:08

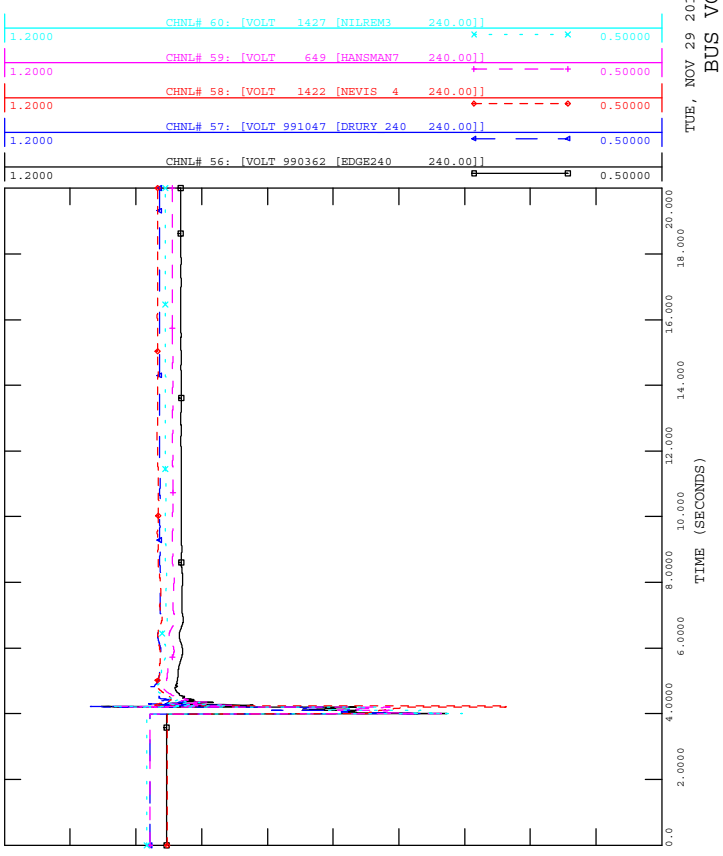
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S906_755S-Cordel.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

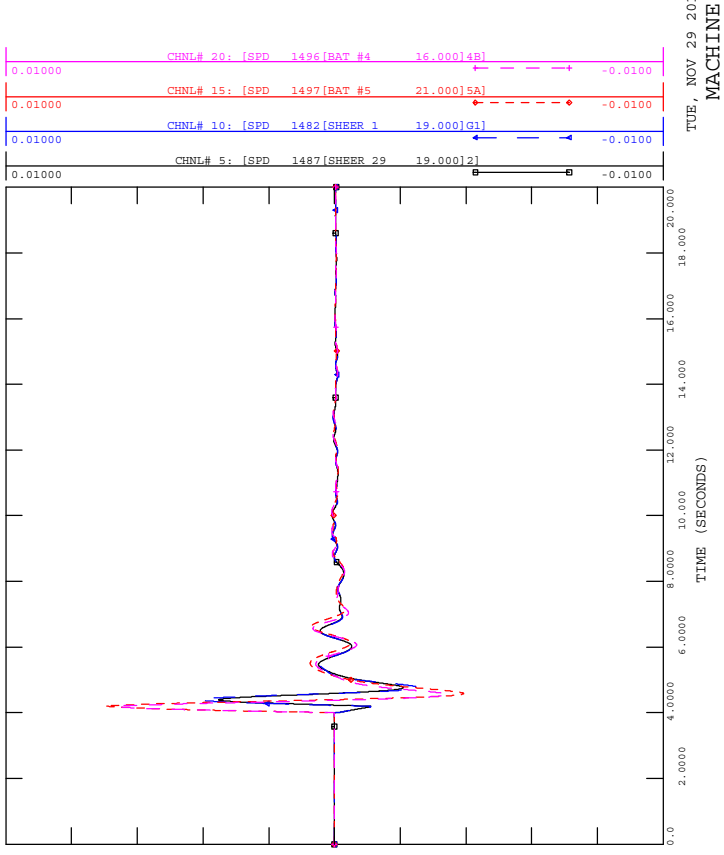


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S906_755S-Cordel.out

TUE, NOV 29 2016 9:08

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S906_755S-Cordel.out

TUE, NOV 29 2016 9:08

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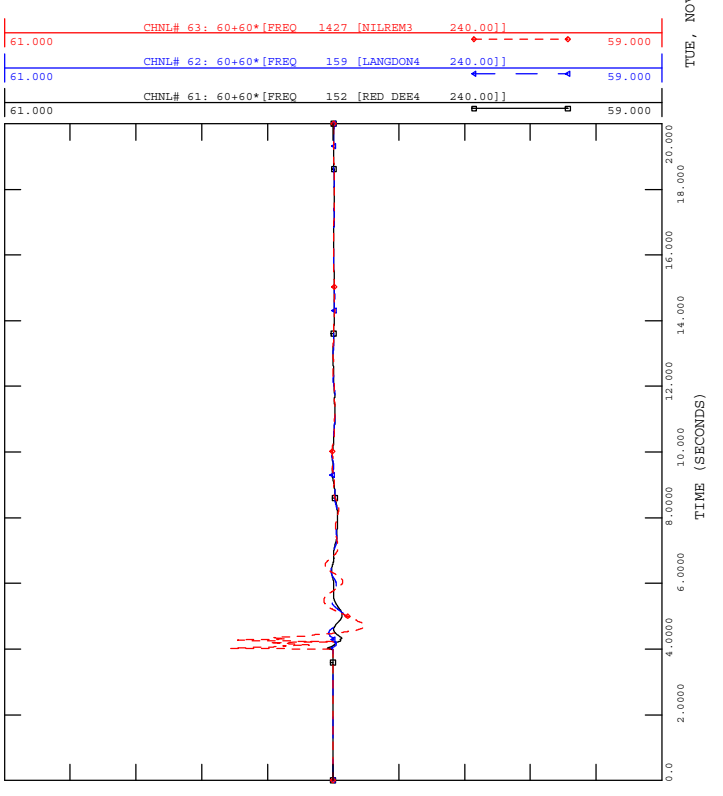
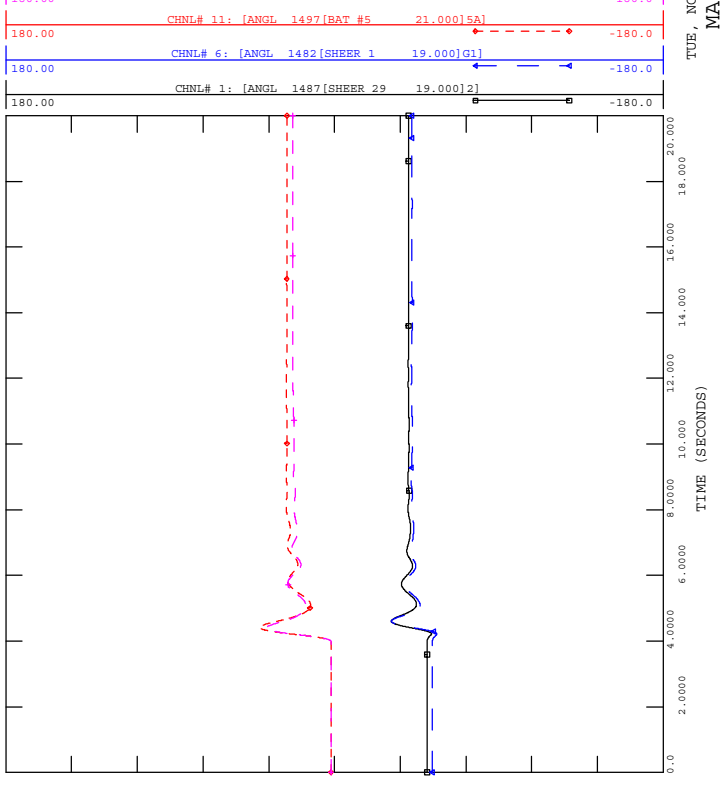


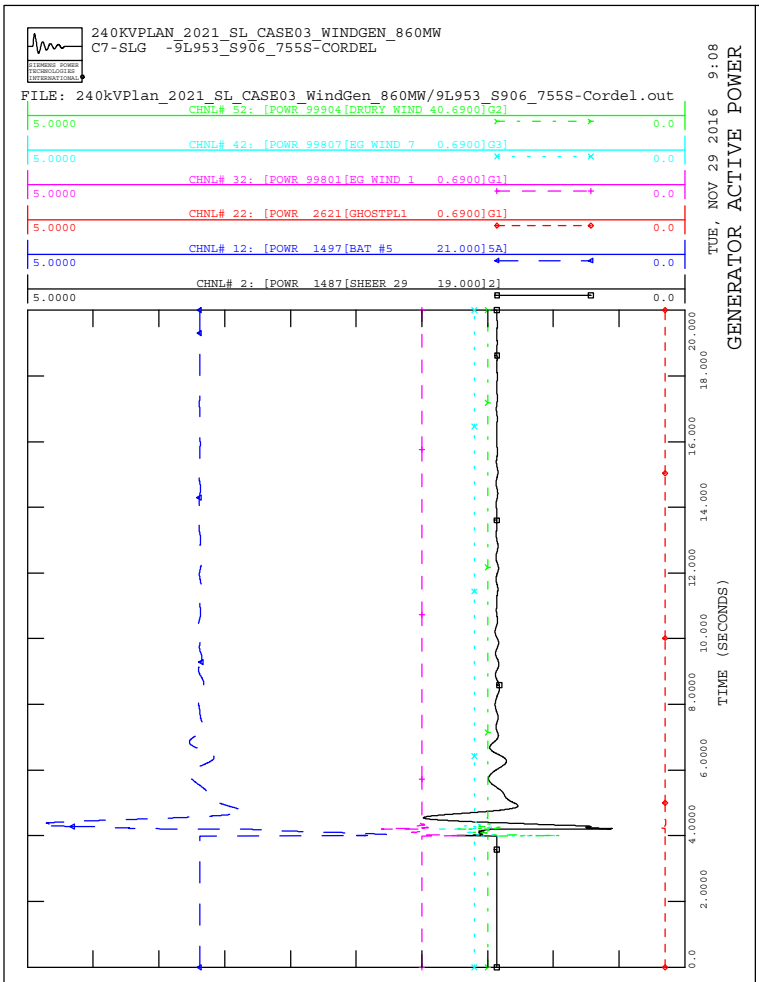
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S906_755S-Cordel.out

TUE, NOV 29 2016 9:08

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S906_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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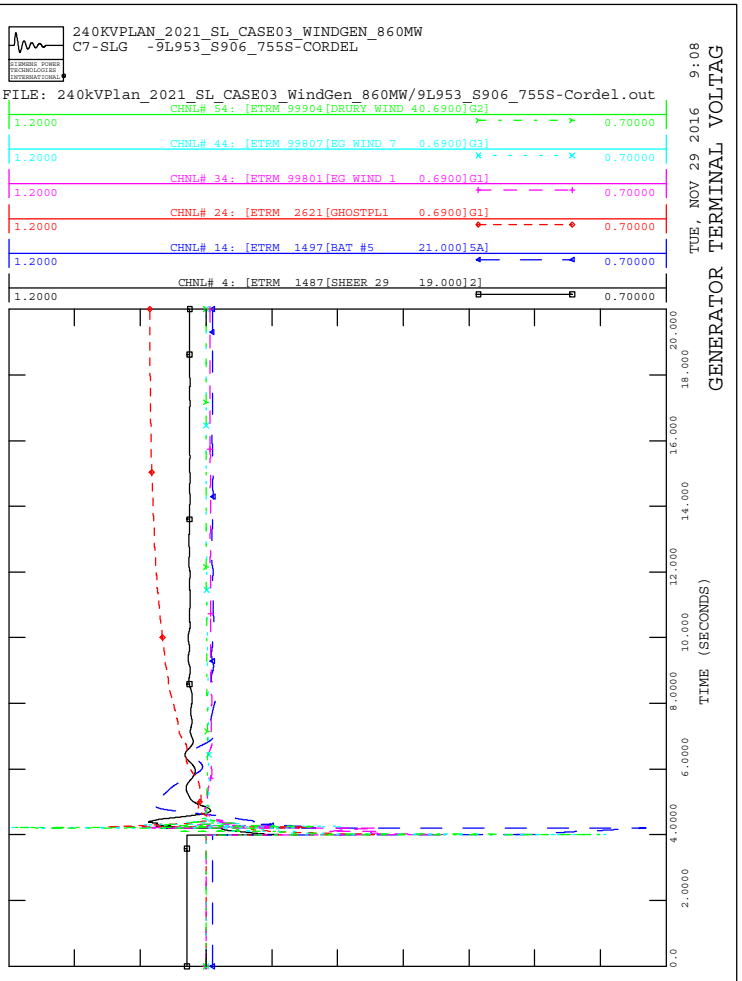
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S906_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
4.0000
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10.000
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14.000
16.000
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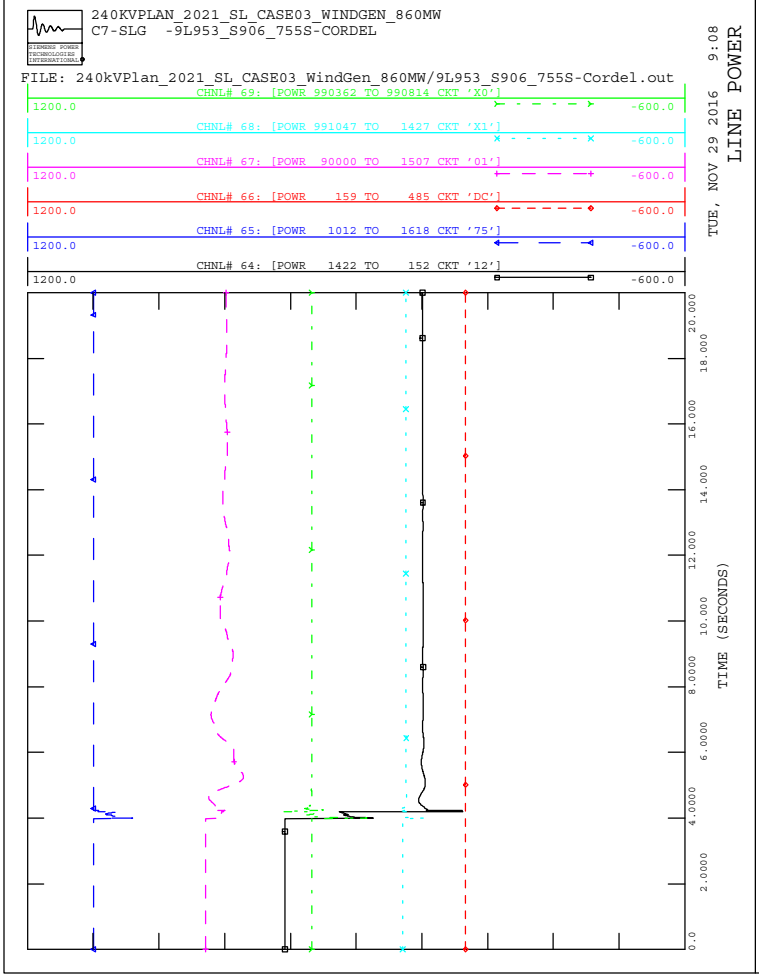
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S906_755S-Cordel.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
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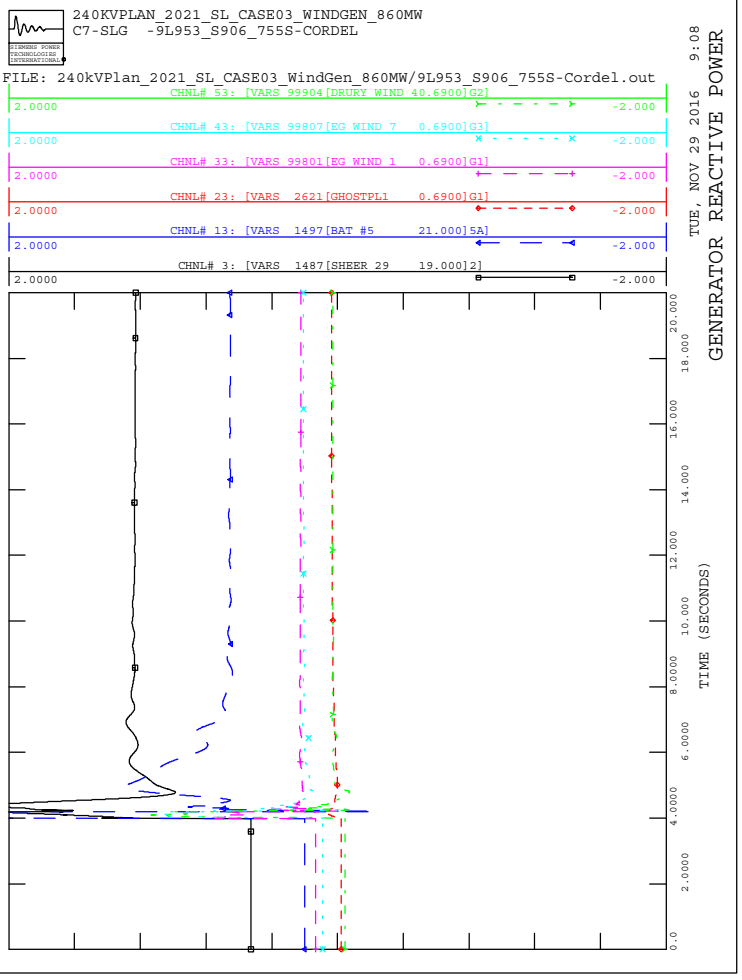
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L953_S906_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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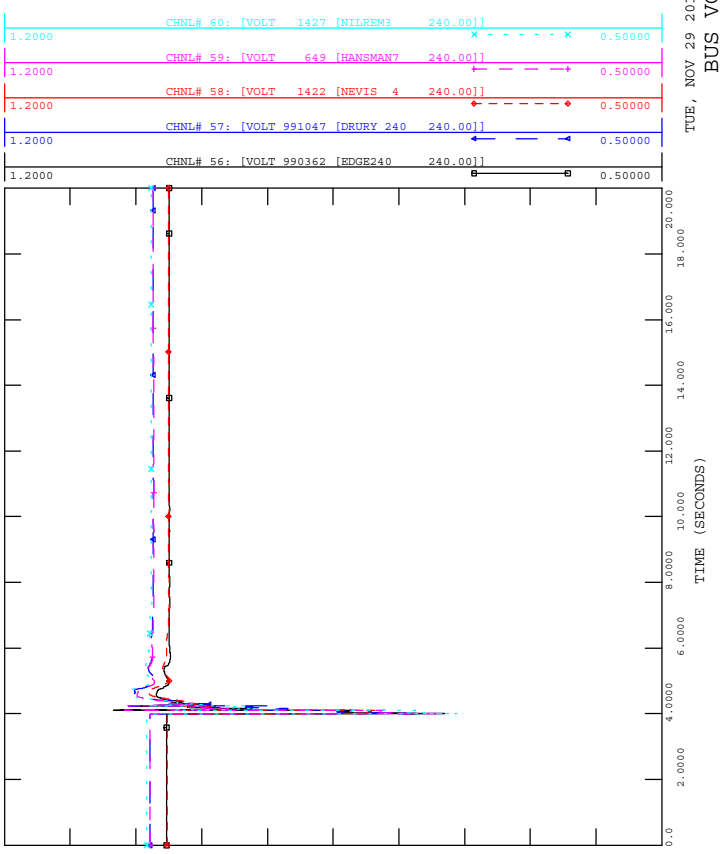
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S912_757S-Battle River.

TUE, NOV 29 2016 9:08

BUS VOLTAGE

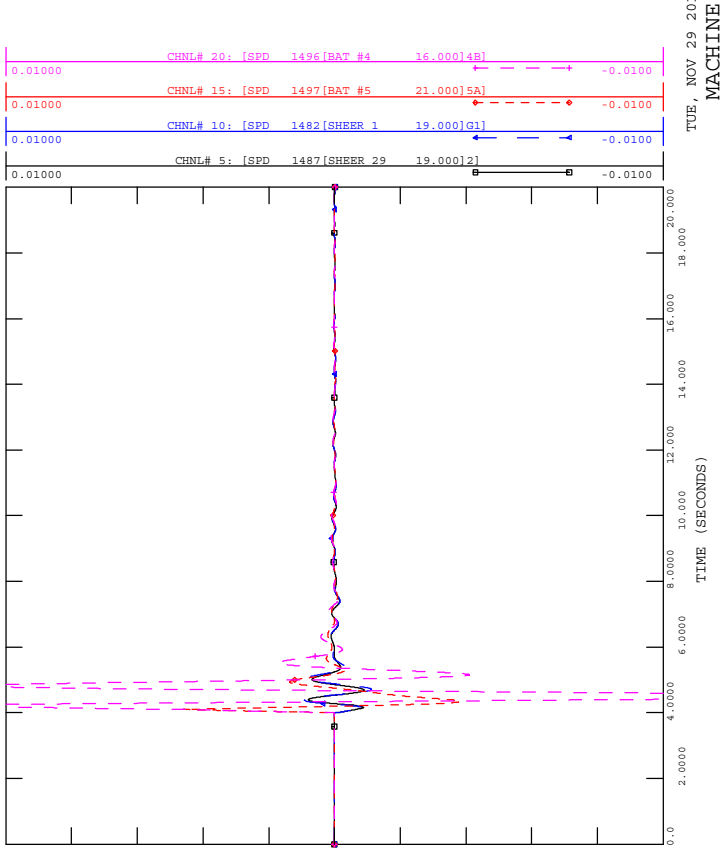


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S912_757S-Battle River.

TUE, NOV 29 2016 9:08

MACHINE SPEED

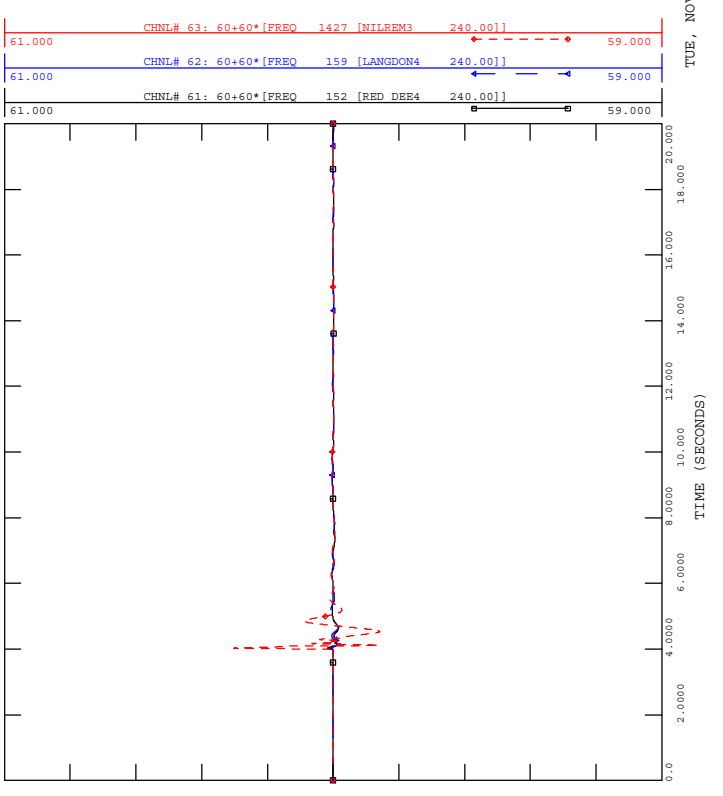


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S912_757S-Battle River.

TUE, NOV 29 2016 9:08

FREQUENCY

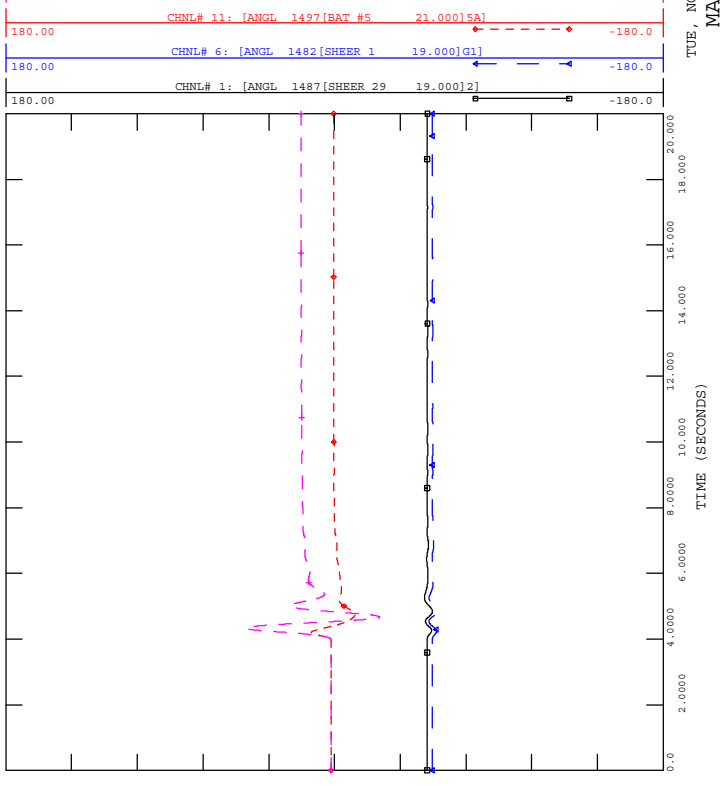


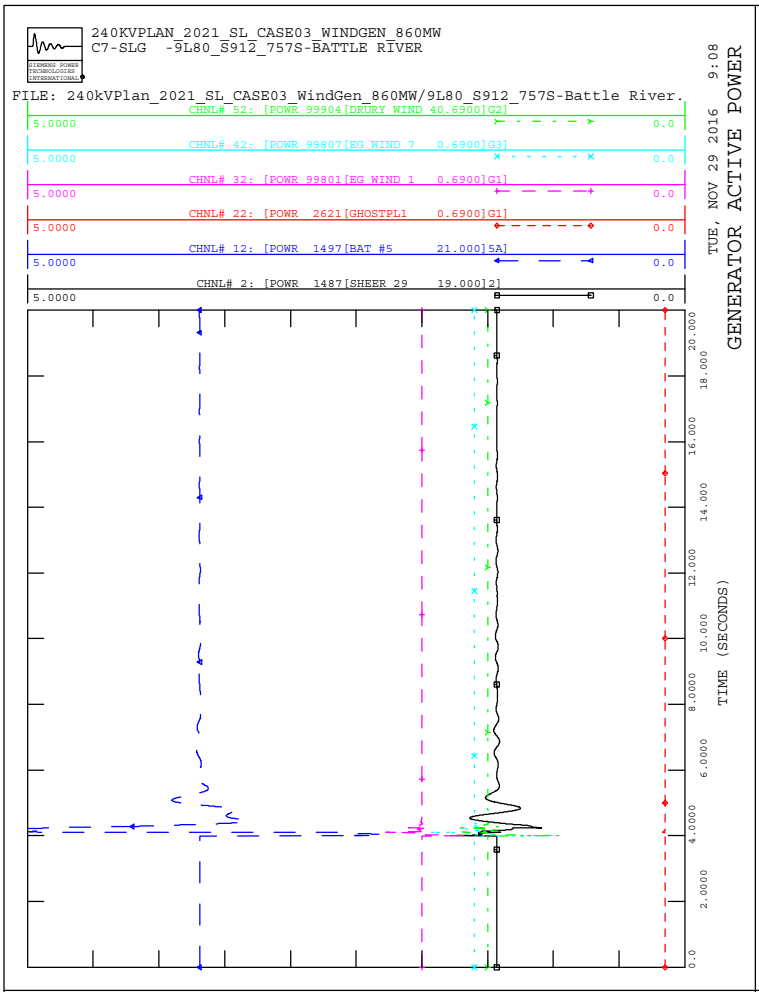
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S912_757S-Battle River.

TUE, NOV 29 2016 9:08

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S912_757S-Battle River.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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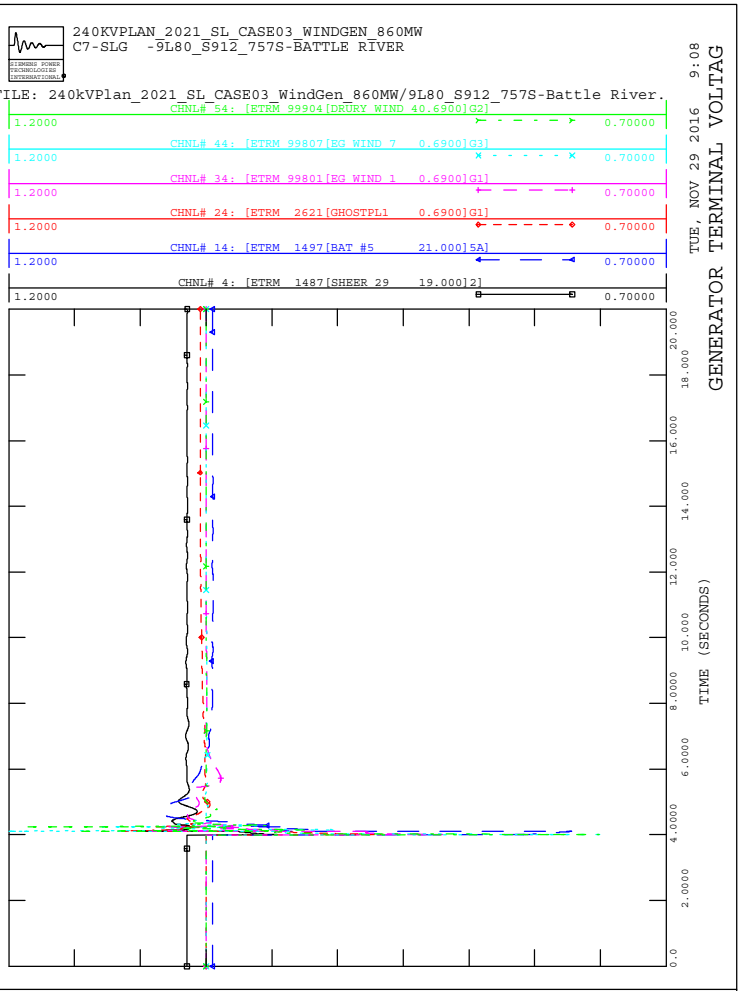
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S912_757S-Battle River.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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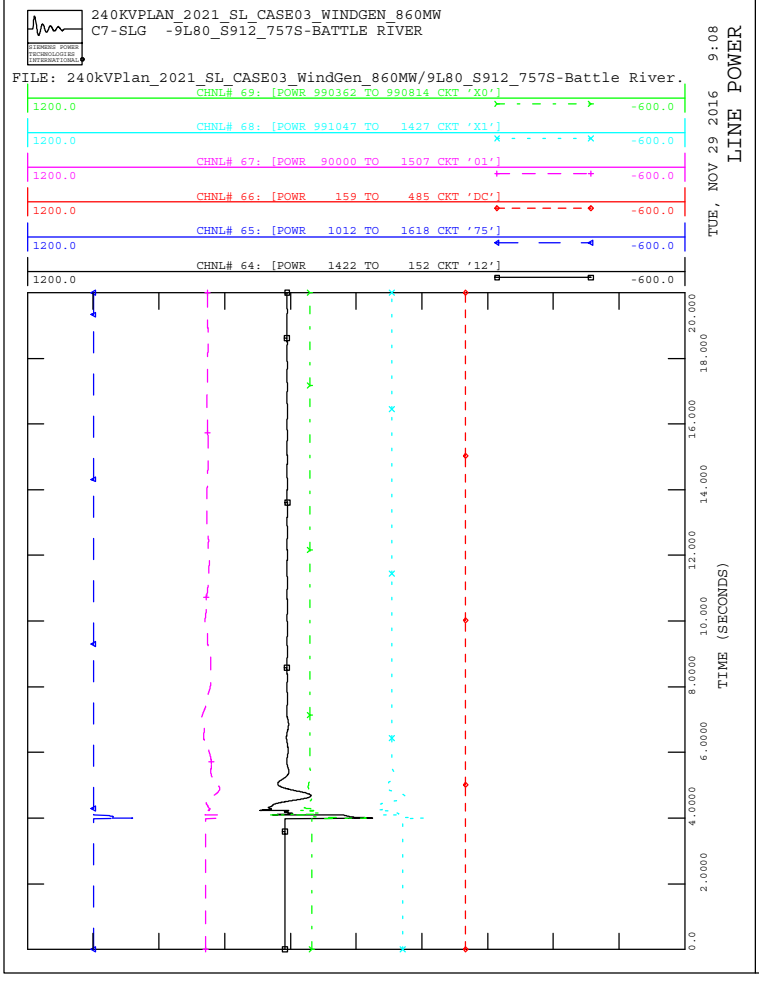
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S912_757S-Battle River.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
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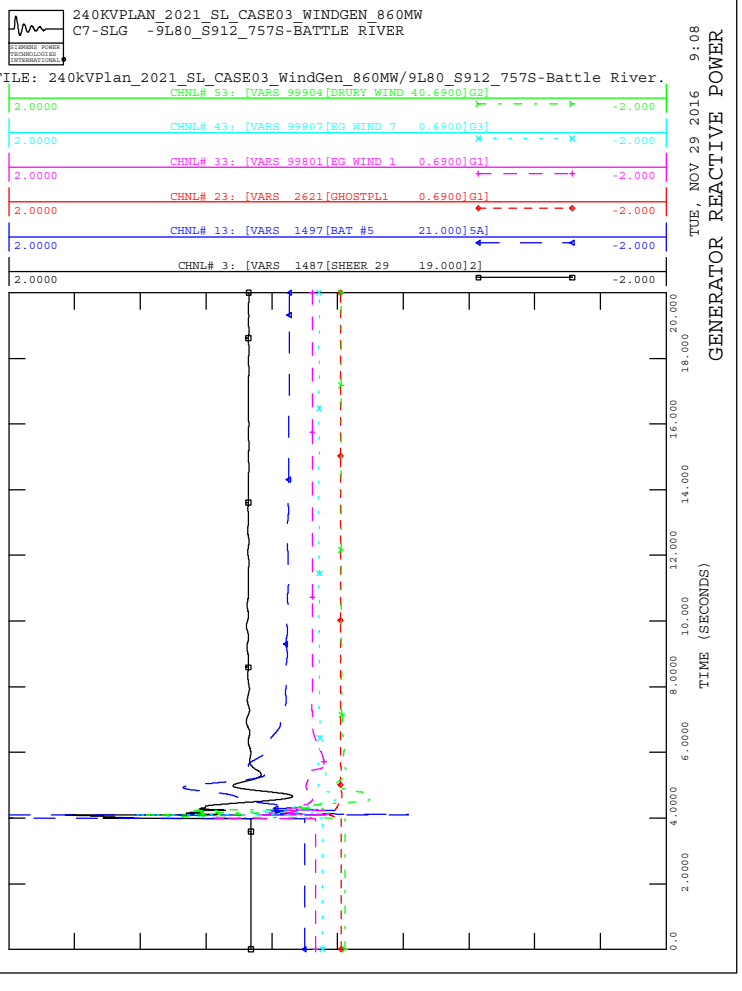
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L80_S912_757S-Battle River.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
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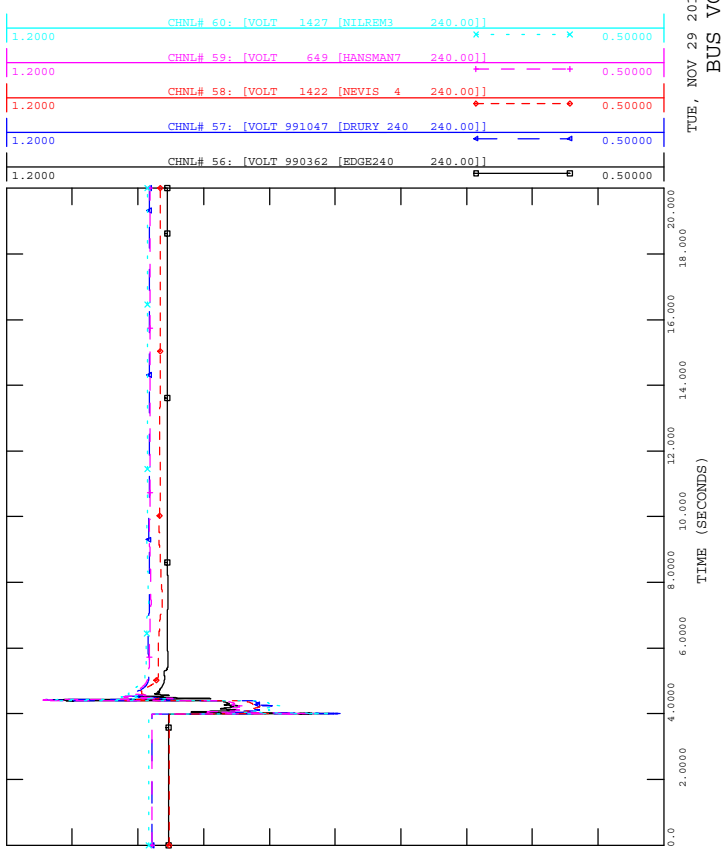
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S707_757S-Battle River.

TUE, NOV 29 2016 9:08

BUS VOLTAGE

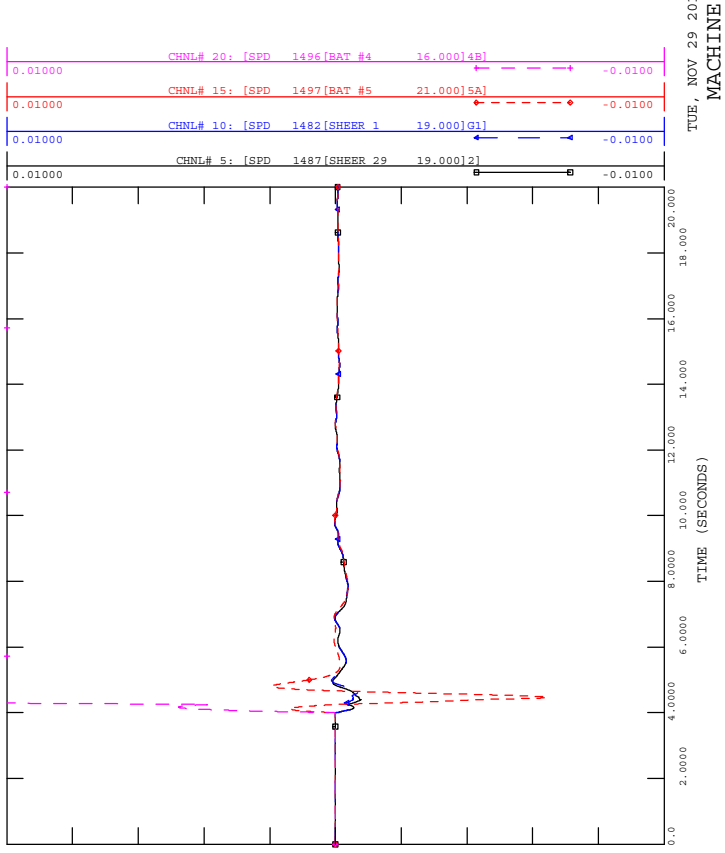


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S707_757S-Battle River.

TUE, NOV 29 2016 9:08

MACHINE SPEED

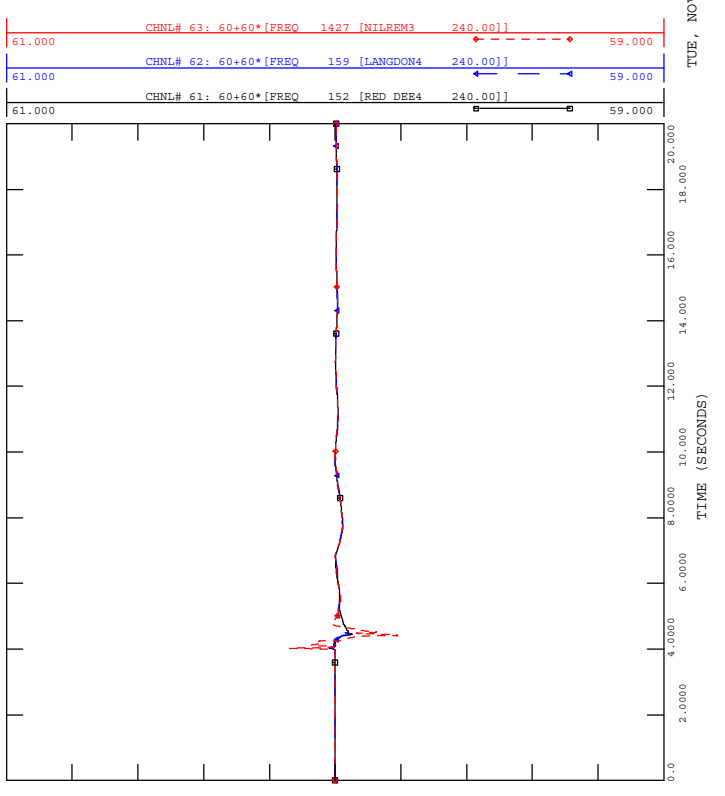


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S707_757S-Battle River.

TUE, NOV 29 2016 9:08

FREQUENCY

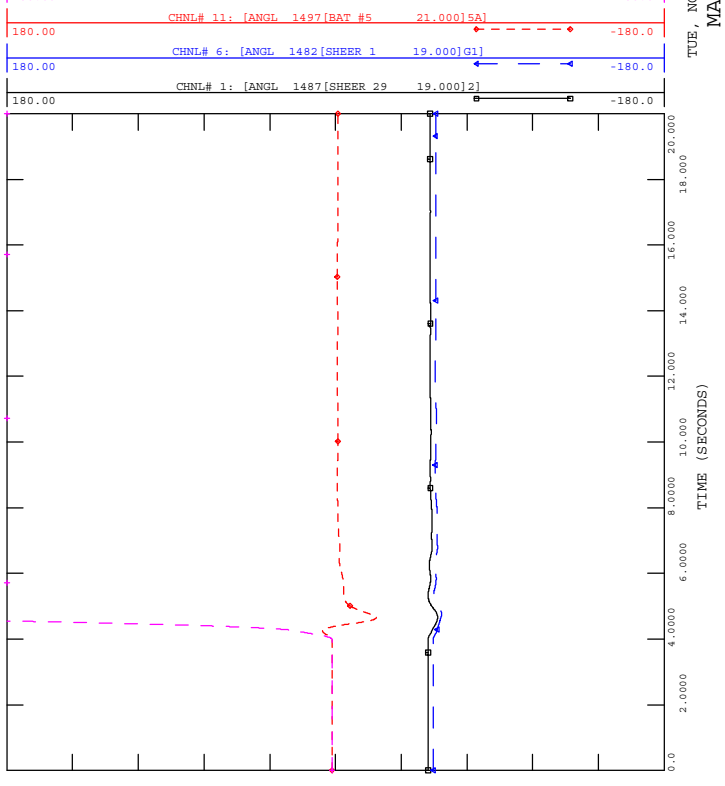


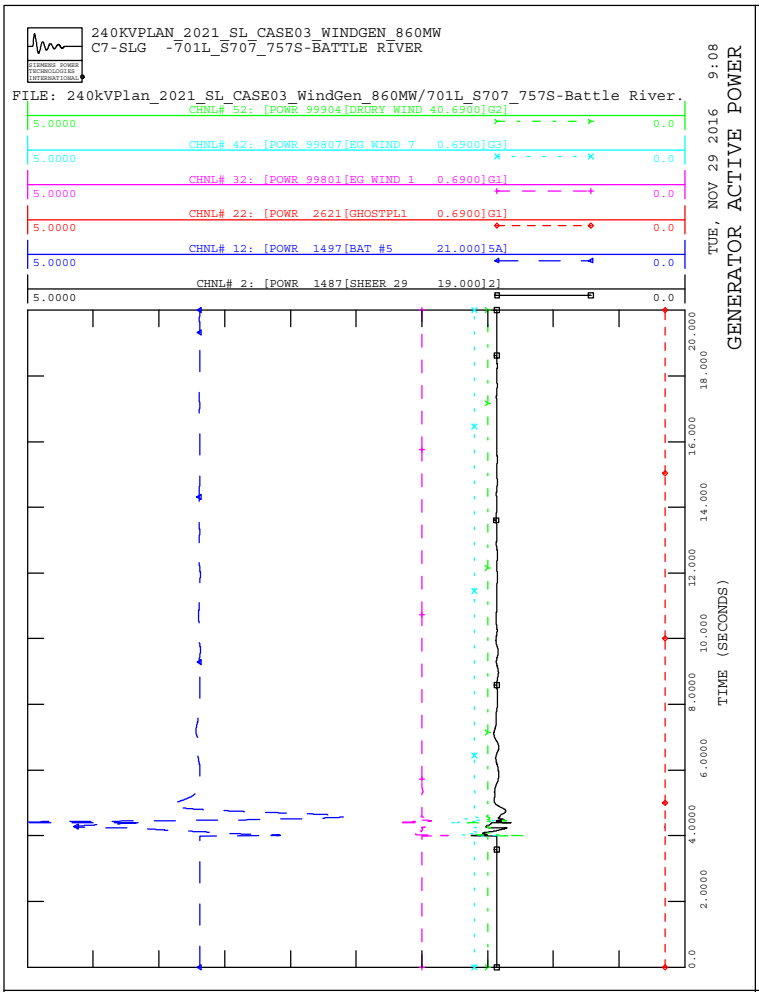
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S707_757S-Battle River.

TUE, NOV 29 2016 9:08

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S707_757S-Battle River.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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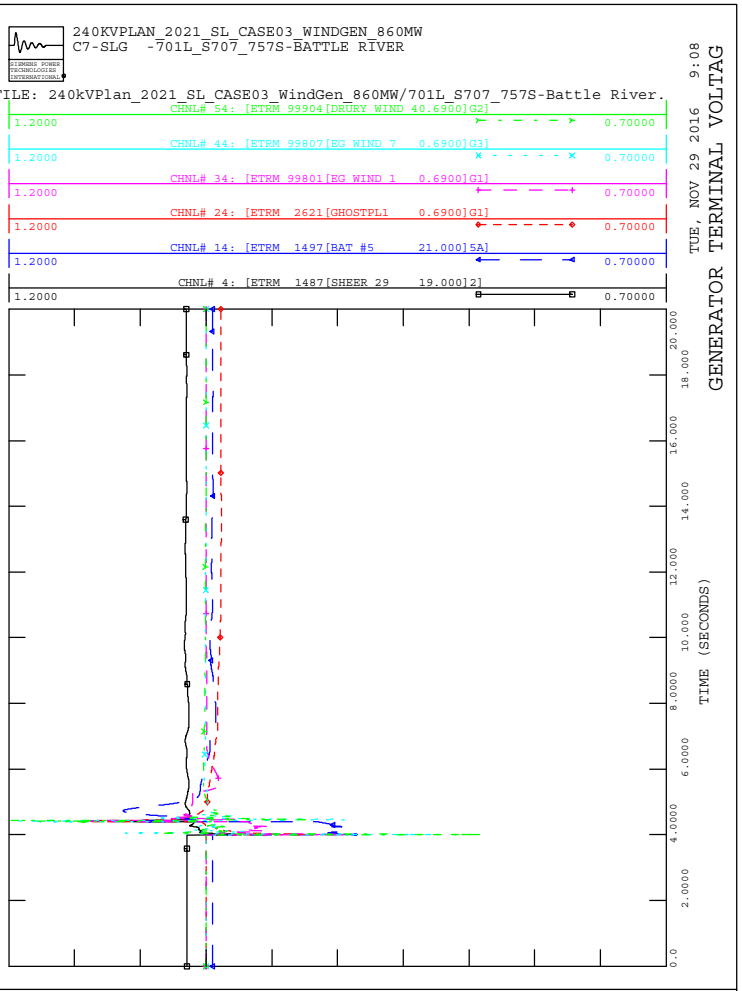
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S707_757S-Battle River.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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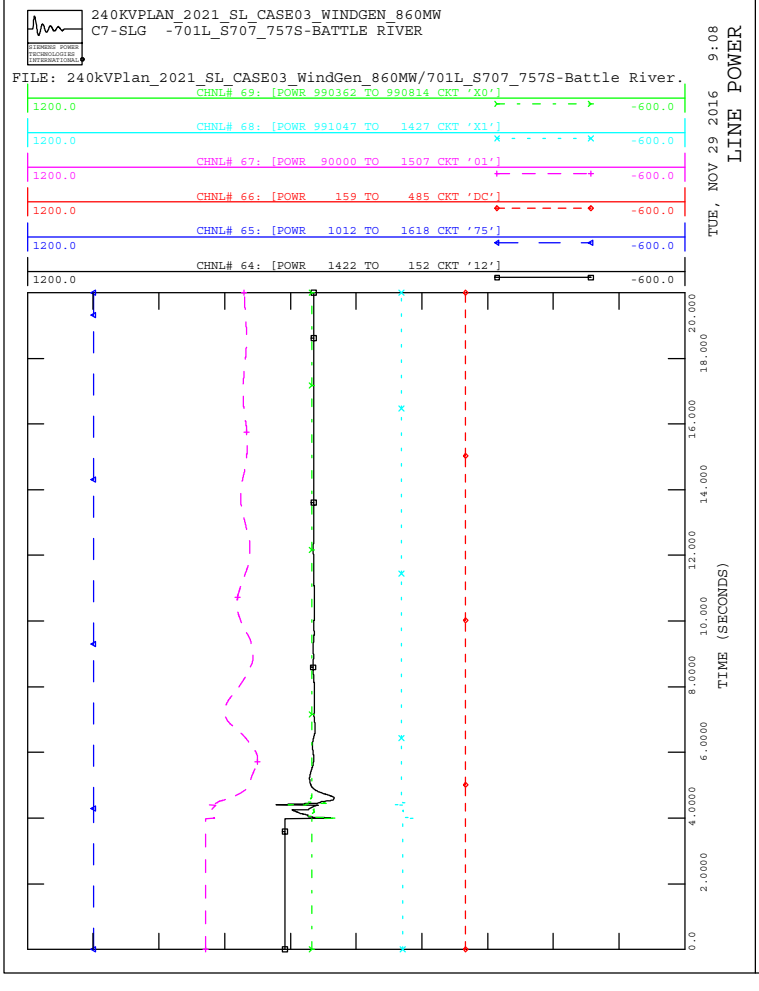
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S707_757S-Battle River.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
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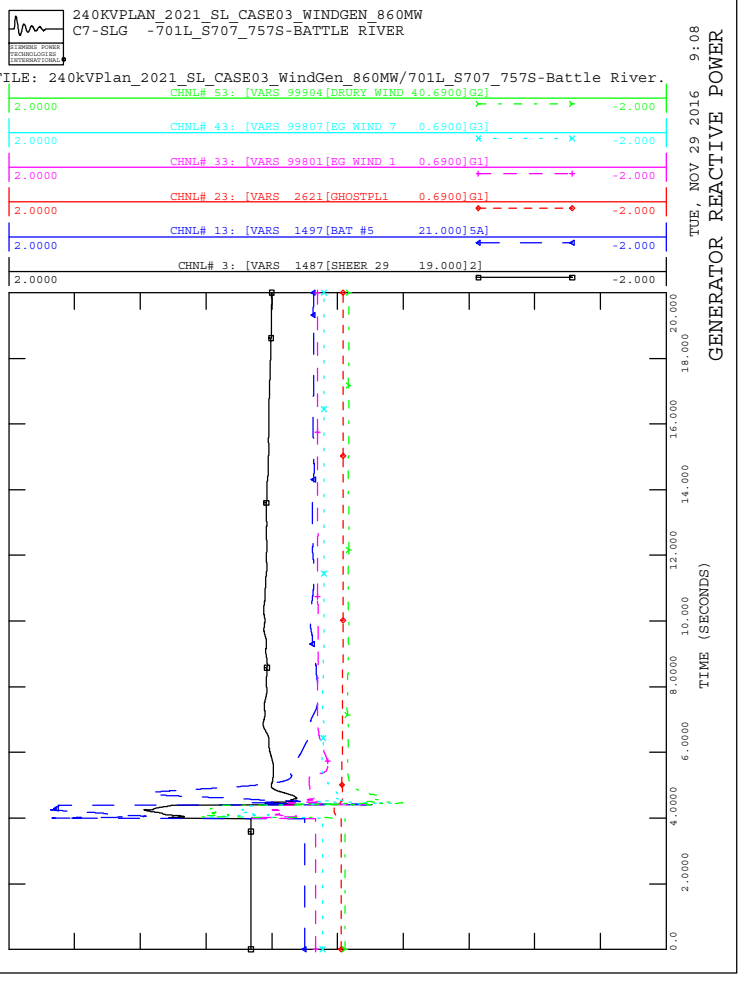
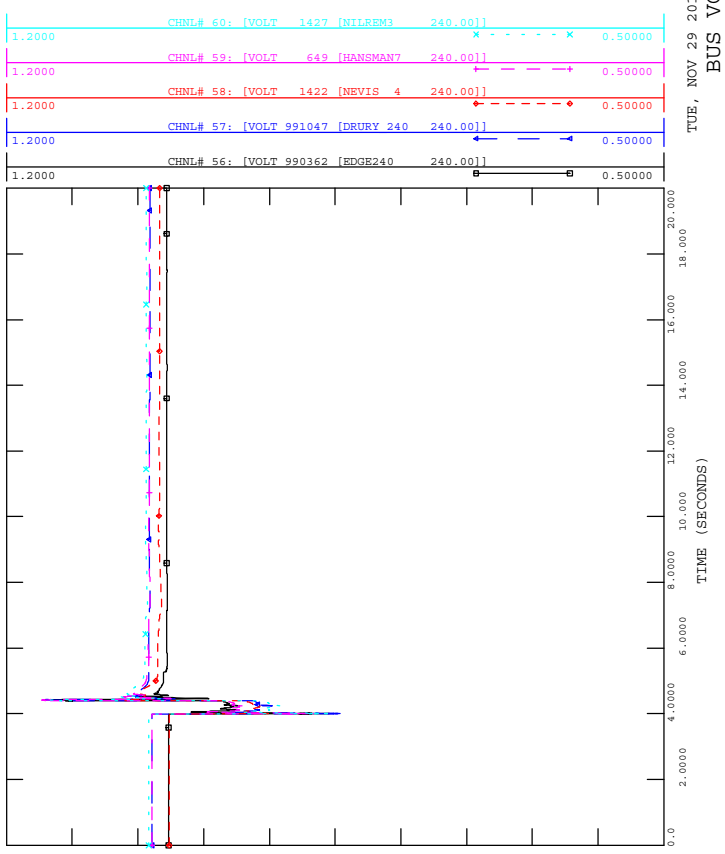

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S707_757S-Battle River.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_S708_757S-Battle River.

TUE, NOV 29 2016 9:08

BUS VOLTAGE

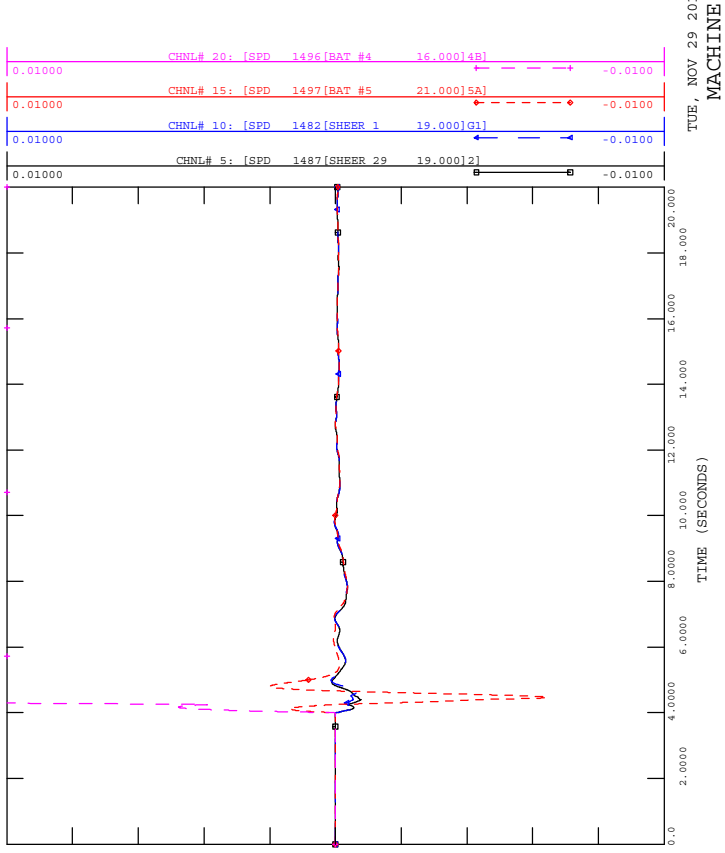


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_S708_757S-Battle River.

TUE, NOV 29 2016 9:08

MACHINE SPEED

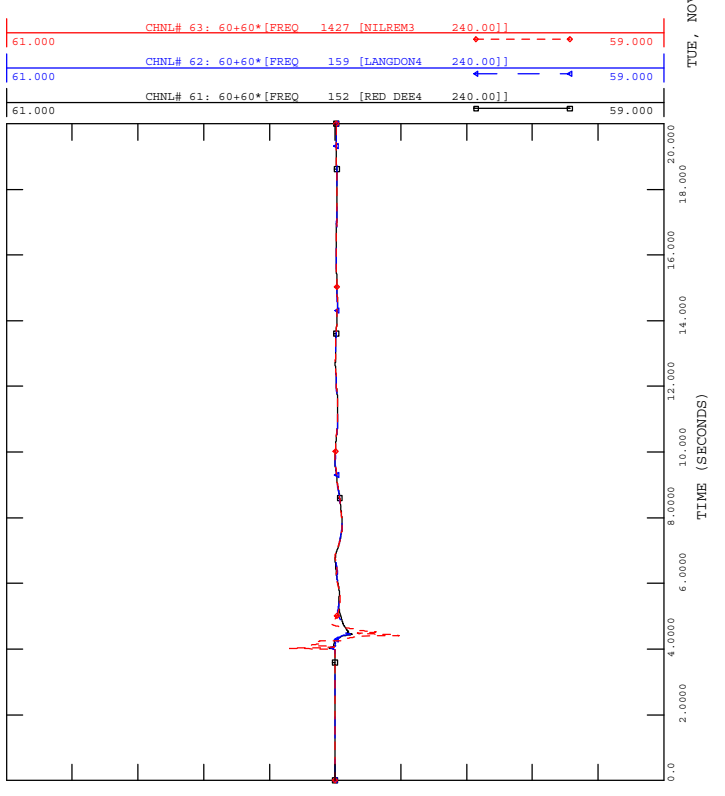


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_S708_757S-Battle River.

TUE, NOV 29 2016 9:08

FREQUENCY

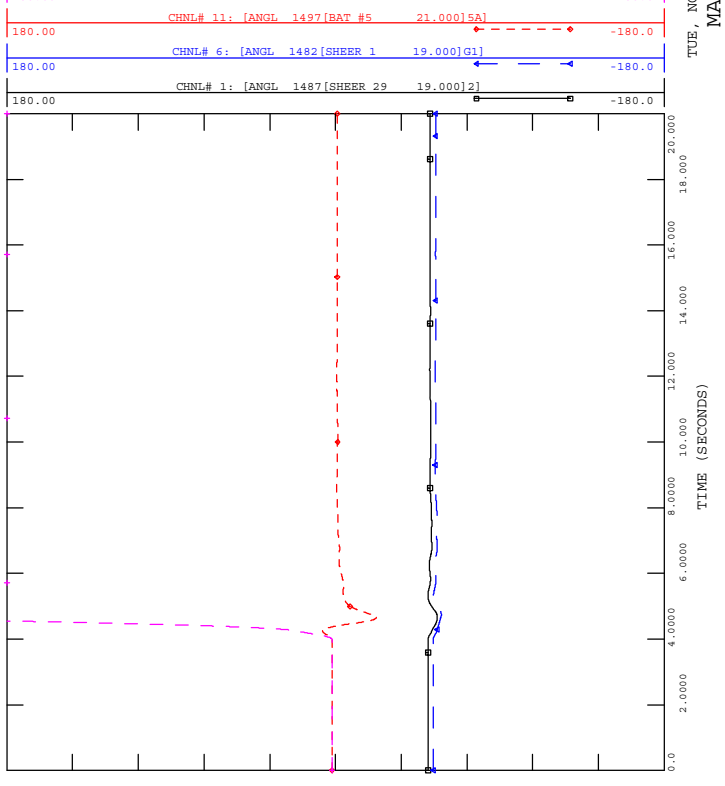


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_S708_757S-Battle River.

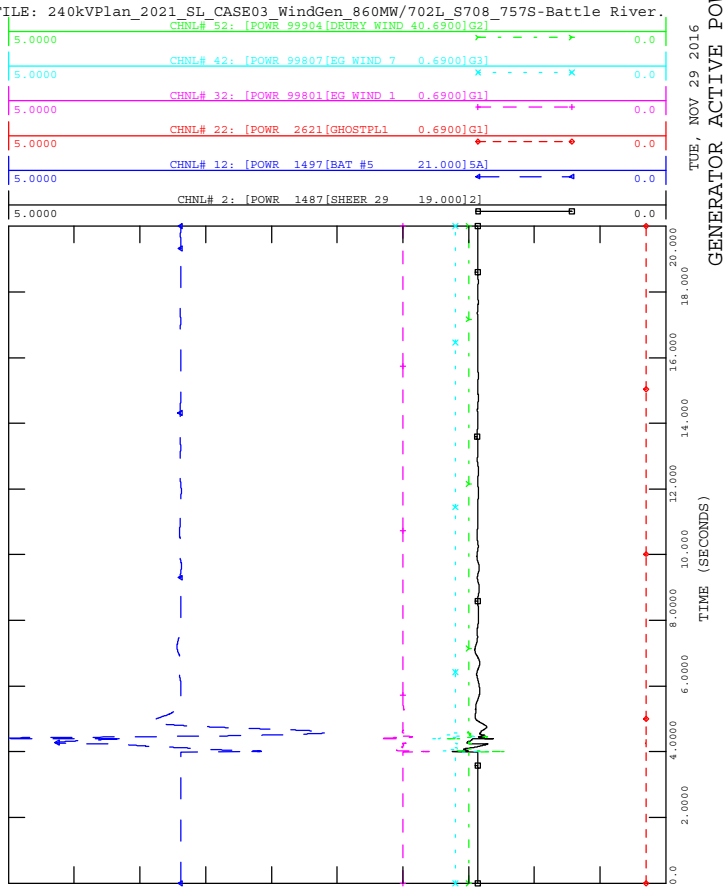
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_S708_757S-Battle River.

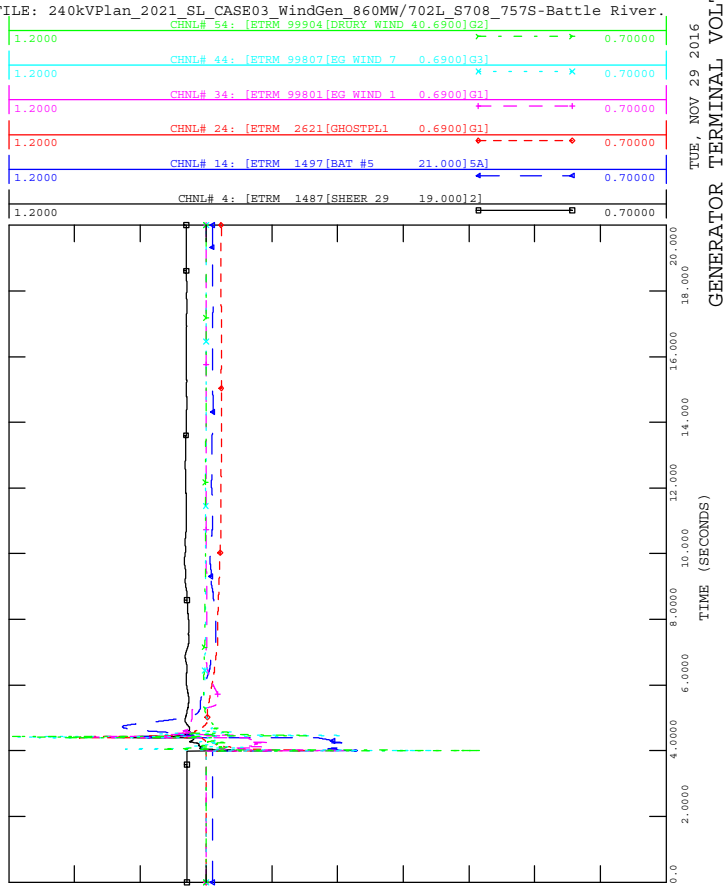


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_S708_757S-Battle River.

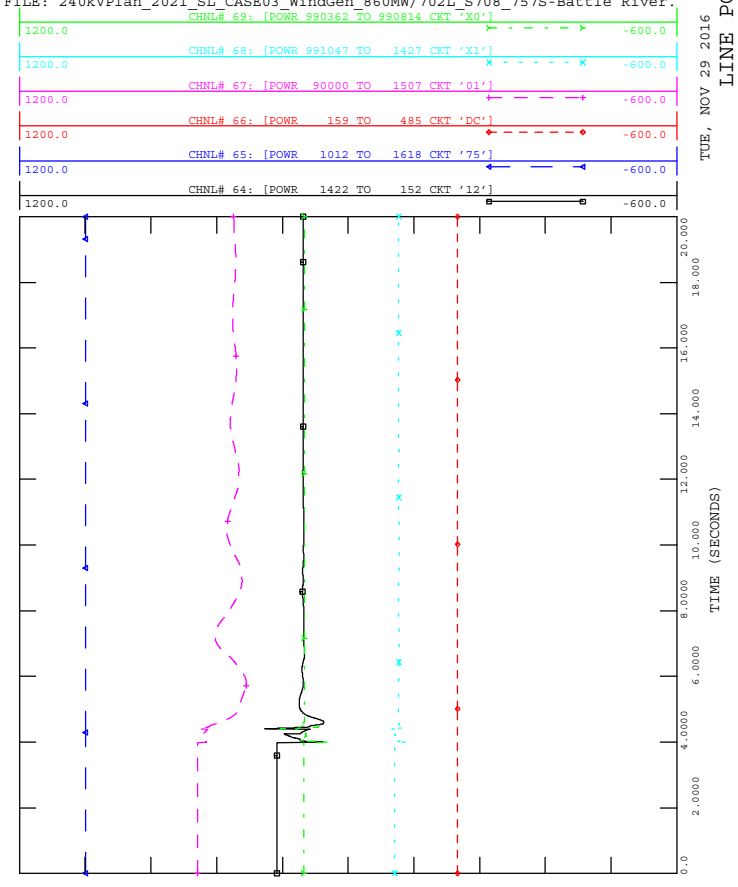


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_S708_757S-Battle River.

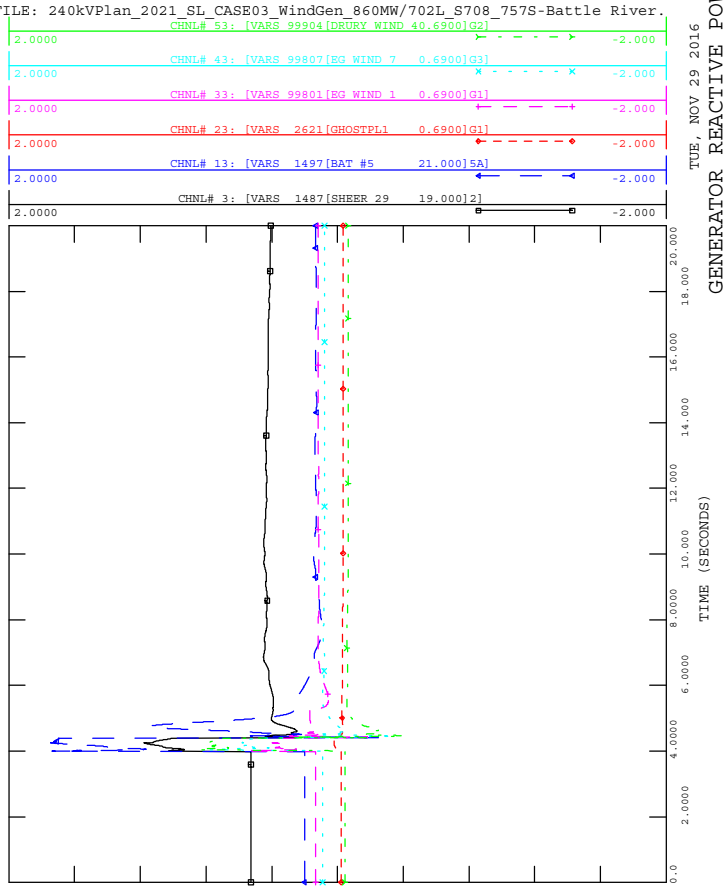


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/702L_S708_757S-Battle River.



TUE, NOV 29 2016 9:08

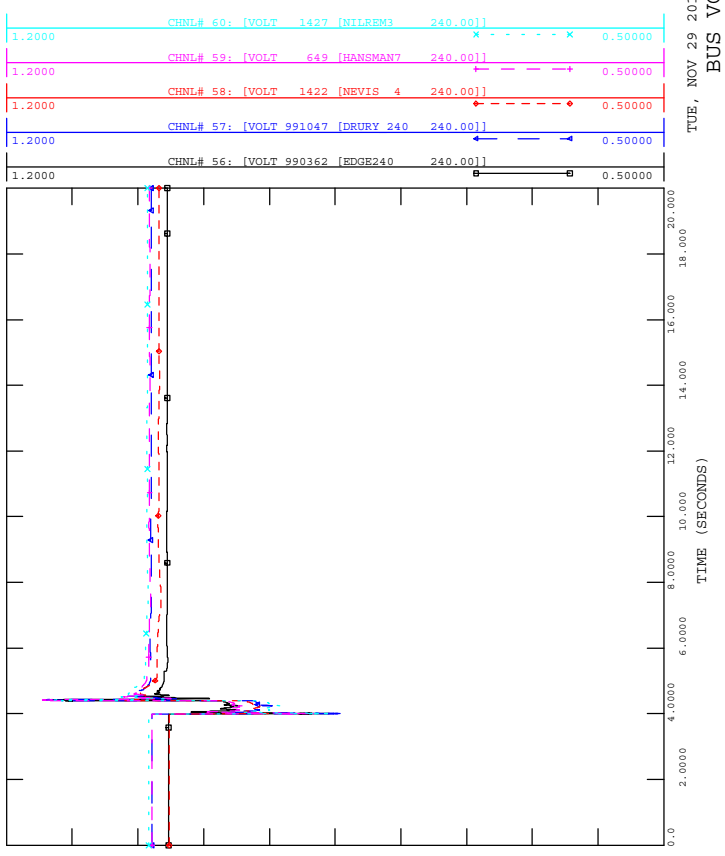
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_S709_757S-Battle River.

TUE, NOV 29 2016 9:08

BUS VOLTAGE

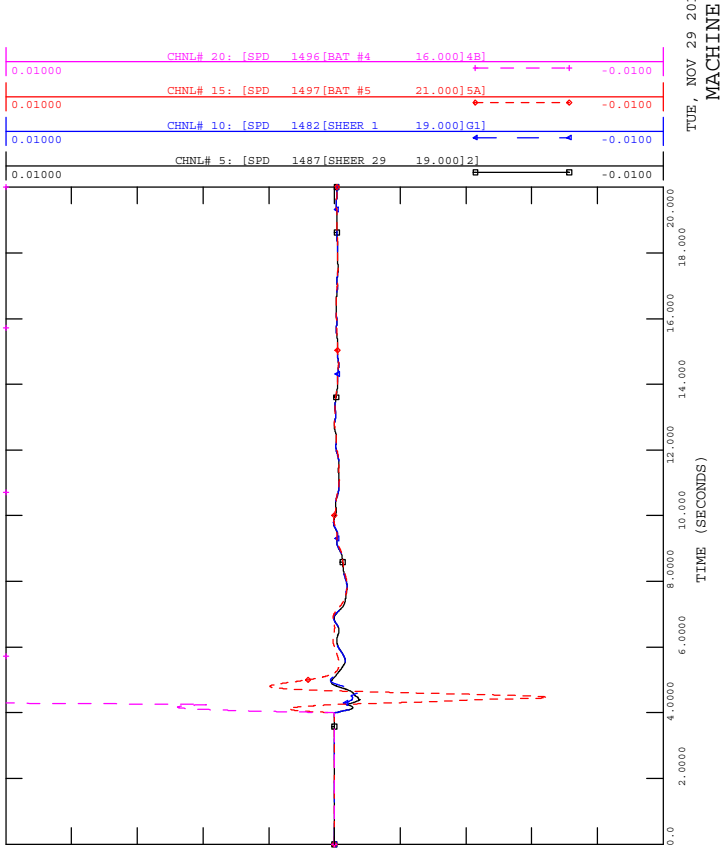


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_S709_757S-Battle River.

TUE, NOV 29 2016 9:08

MACHINE SPEED

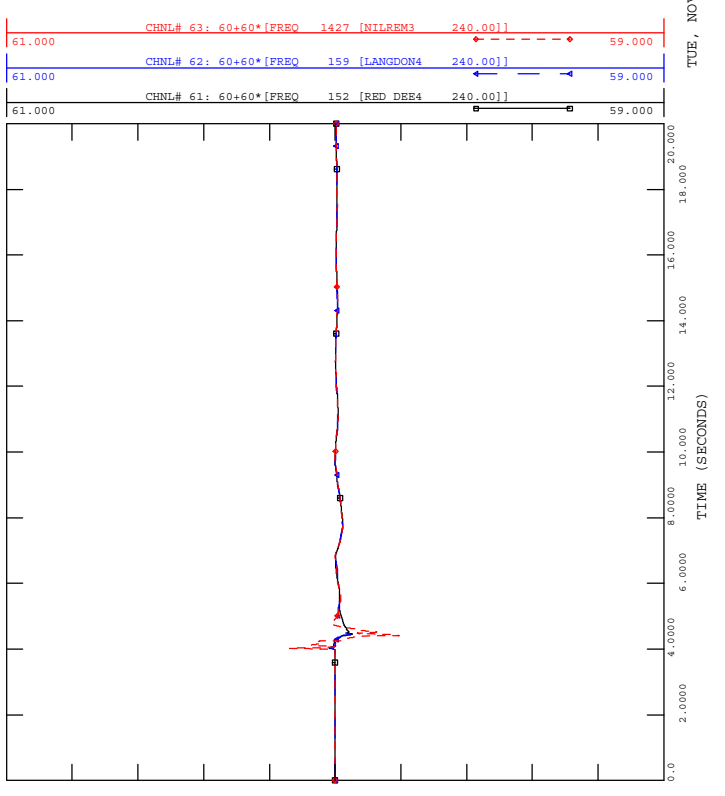


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_S709_757S-Battle River.

TUE, NOV 29 2016 9:08

FREQUENCY

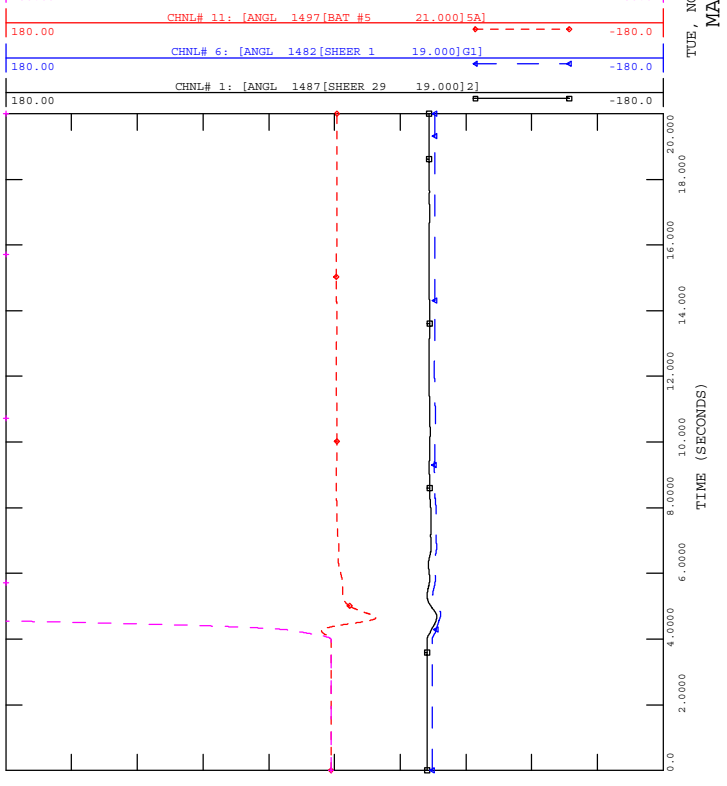


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_S709_757S-Battle River.

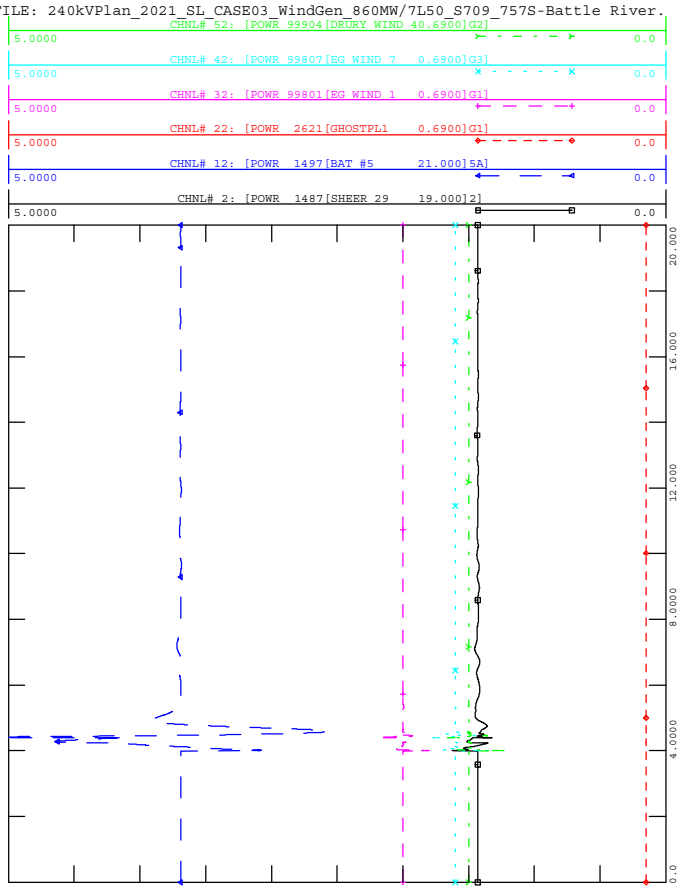
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_S709_757S-Battle River.

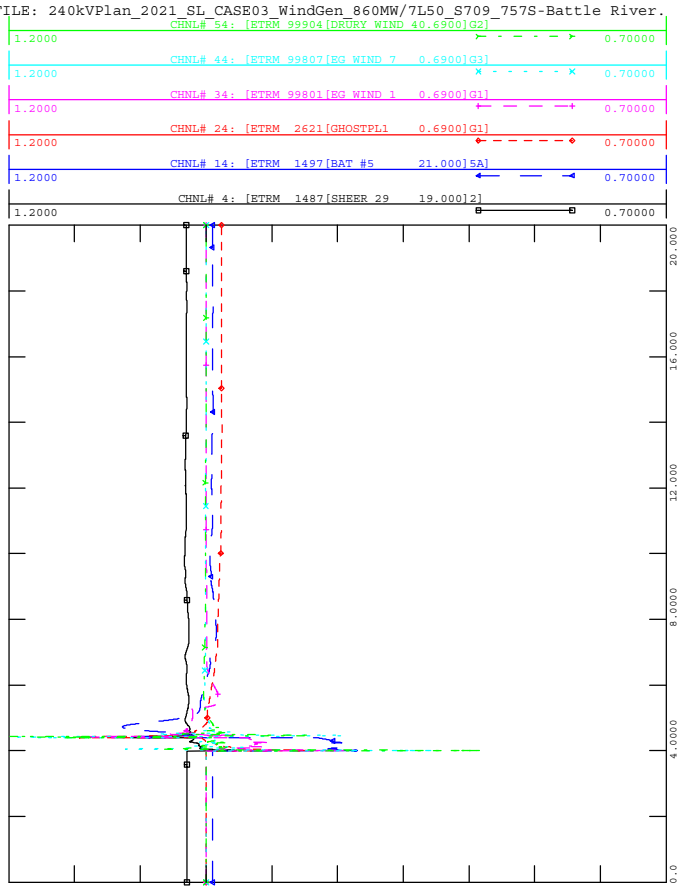


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_S709_757S-Battle River.

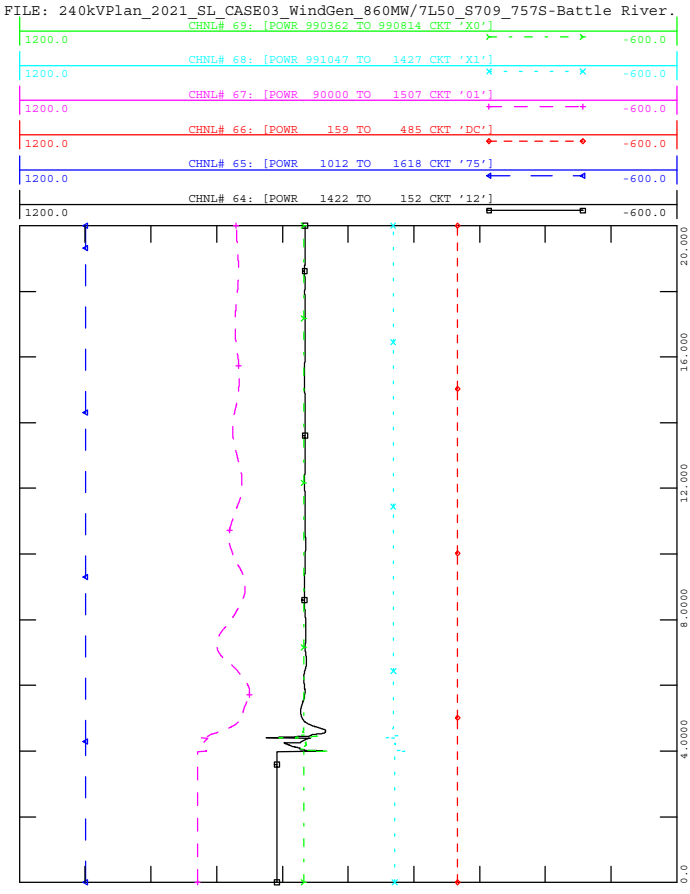


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_S709_757S-Battle River.

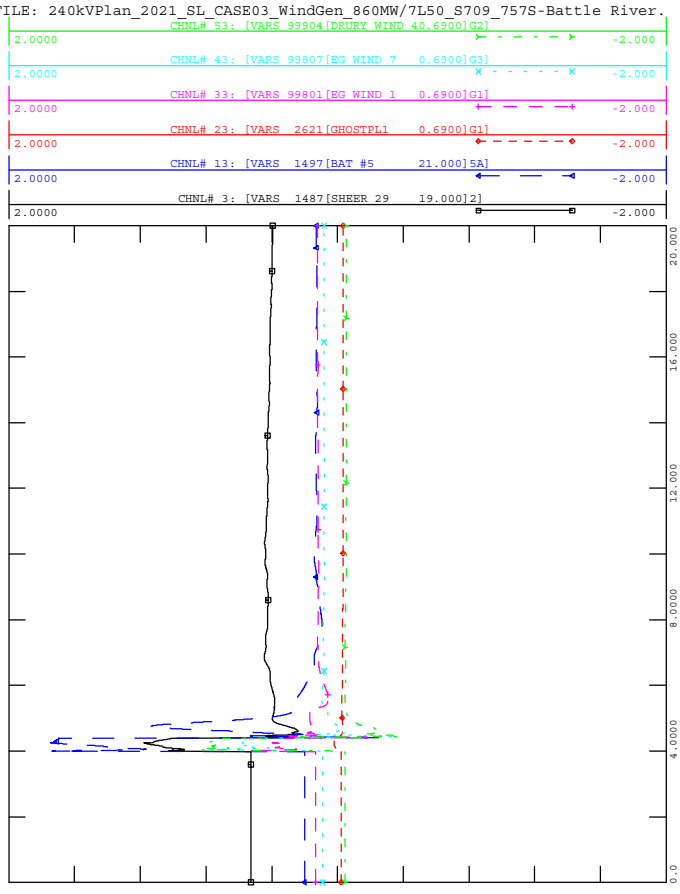


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L50_S709_757S-Battle River.



TUE, NOV 29 2016 9:08

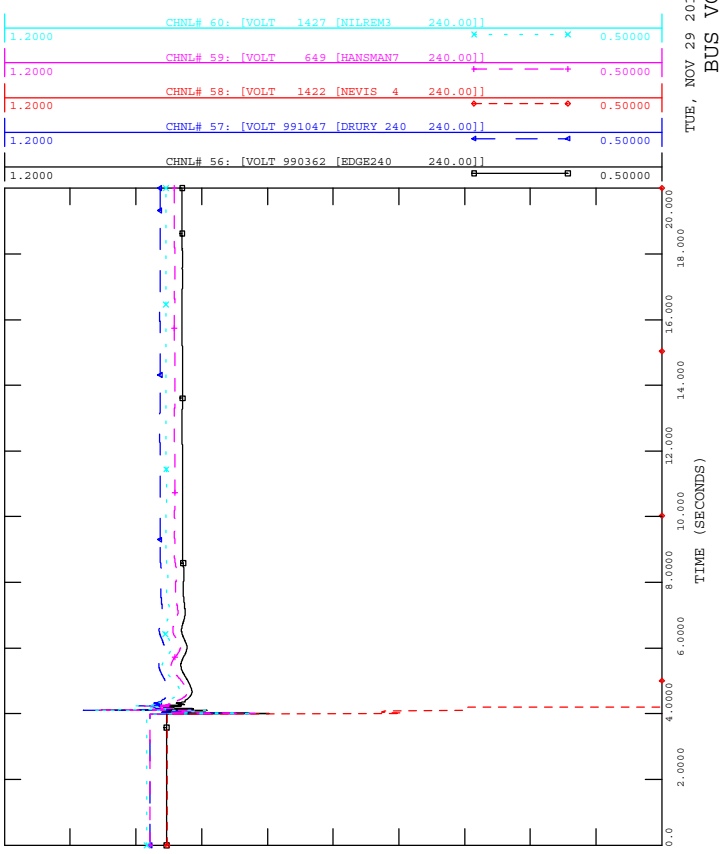
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_766S-Nevis.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

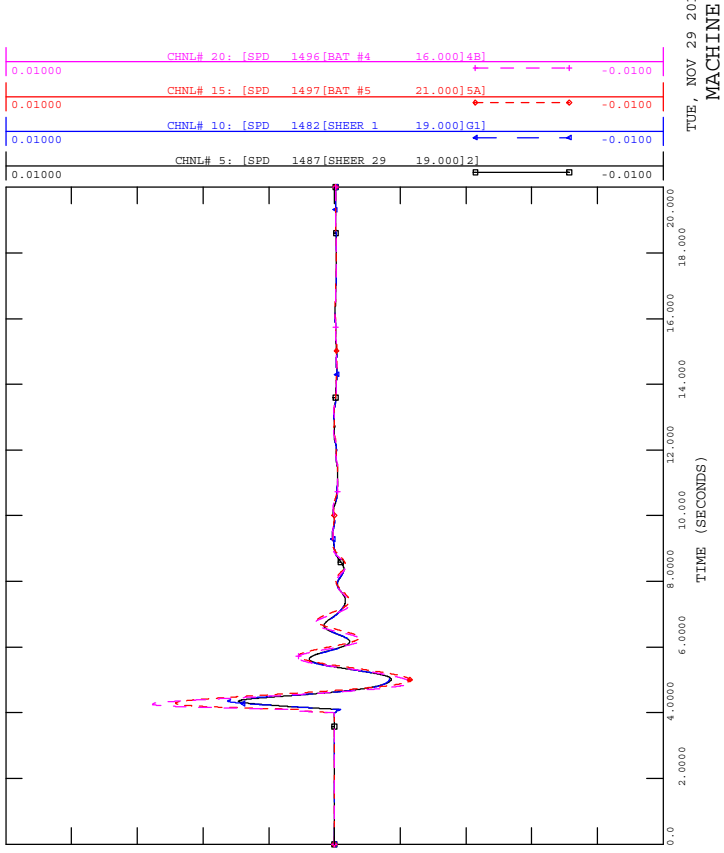


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_766S-Nevis.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

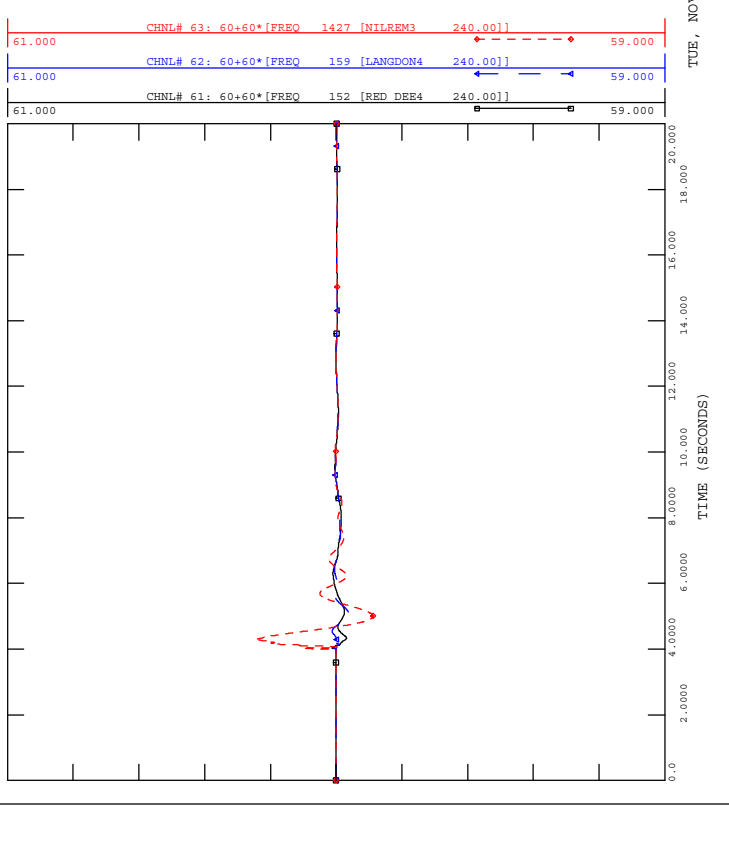


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_766S-Nevis.out

TUE, NOV 29 2016 9:08

FREQUENCY

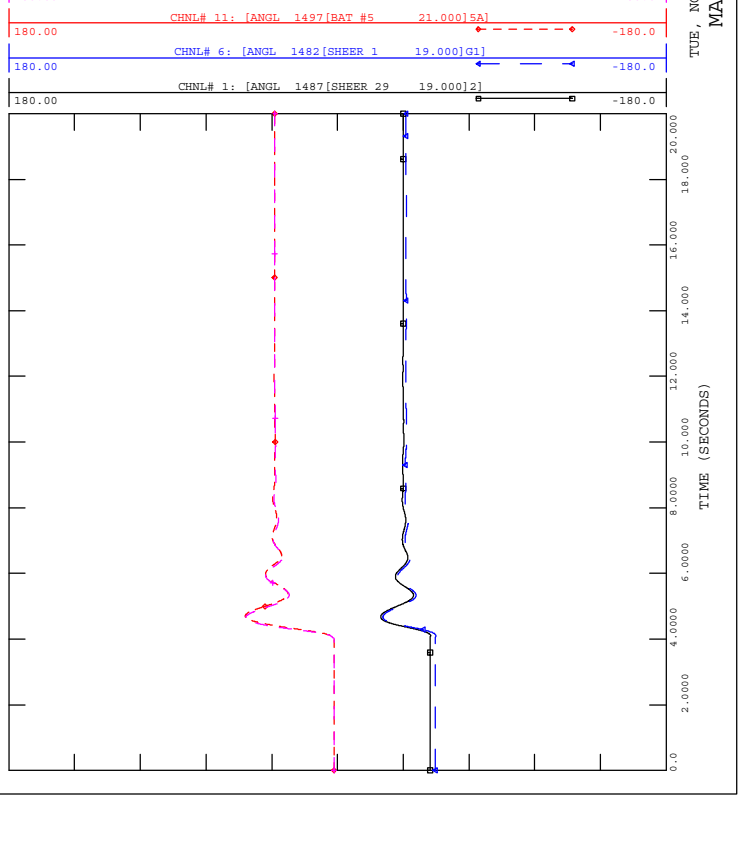


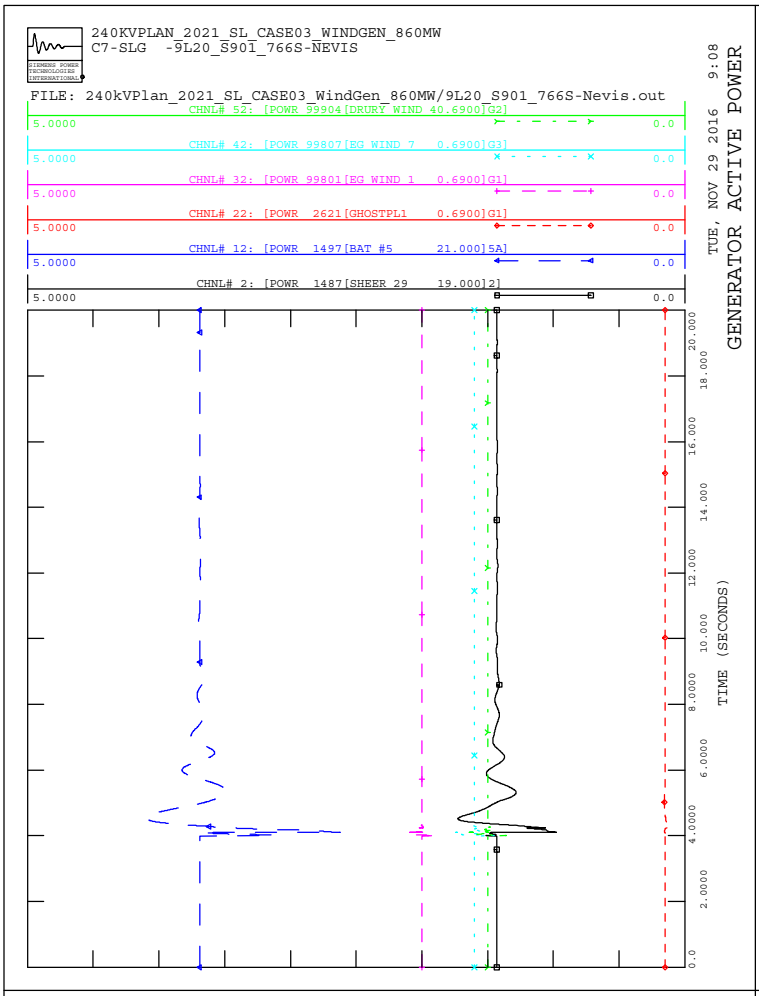
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS

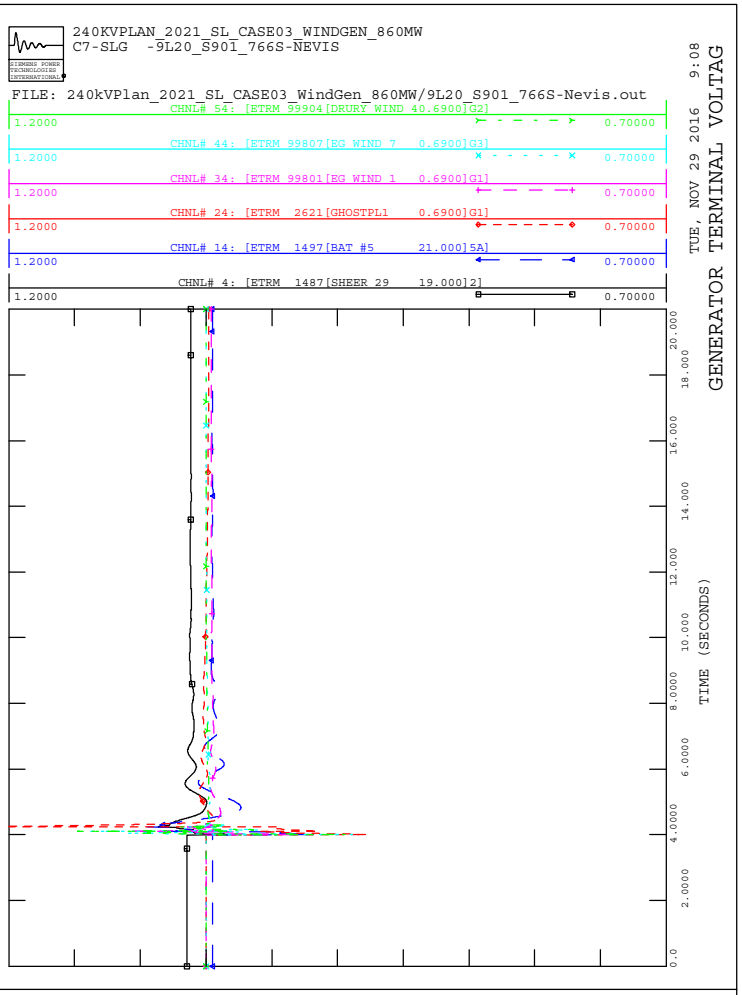
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_766S-Nevis.out

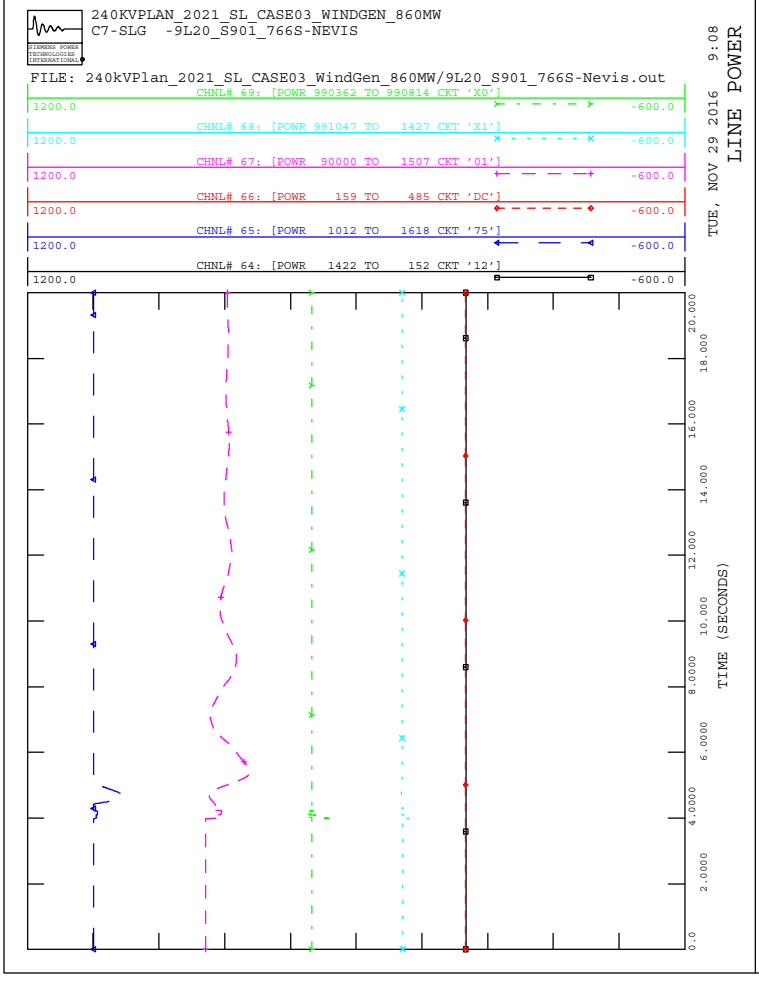
TUE, NOV 29 2016 9:08

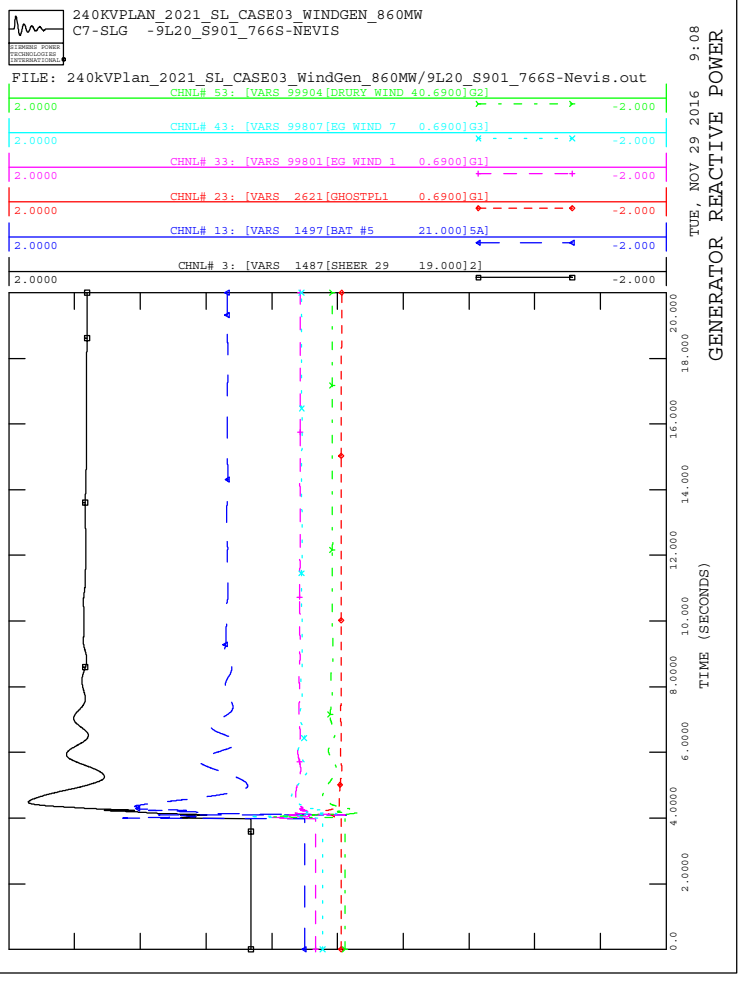
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_766S-Nevis.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_766S-Nevis.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_766S-Nevis.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

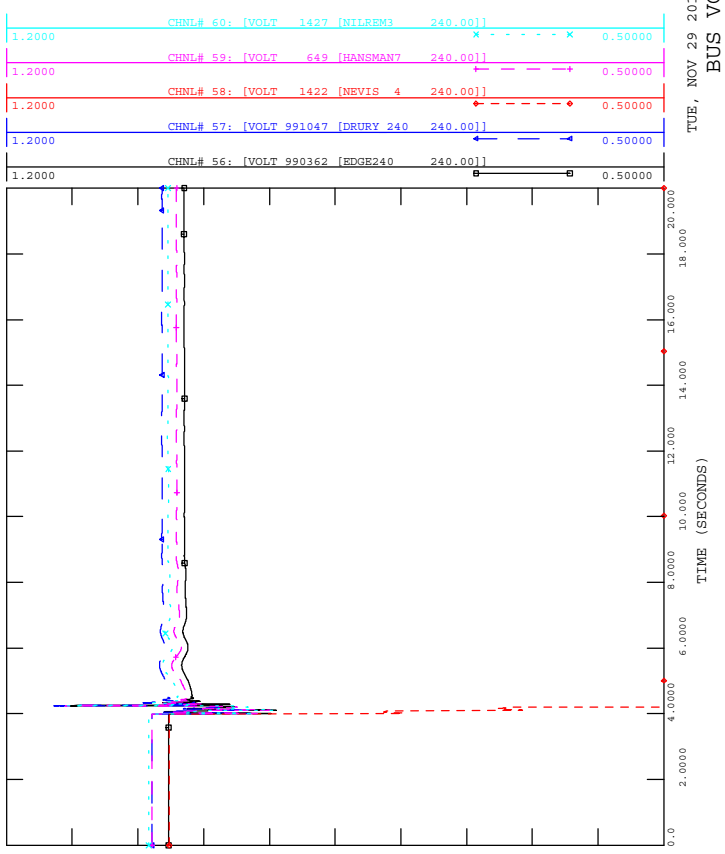

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L20_S901_766S-Nevis.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L912_S902_766S-Nevis.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

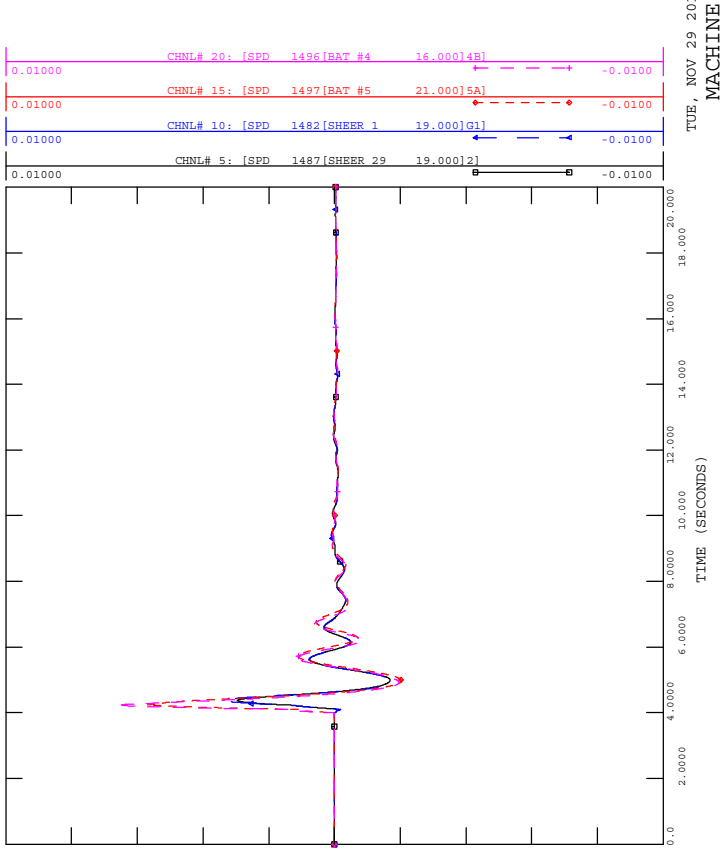


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L912_S902_766S-Nevis.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

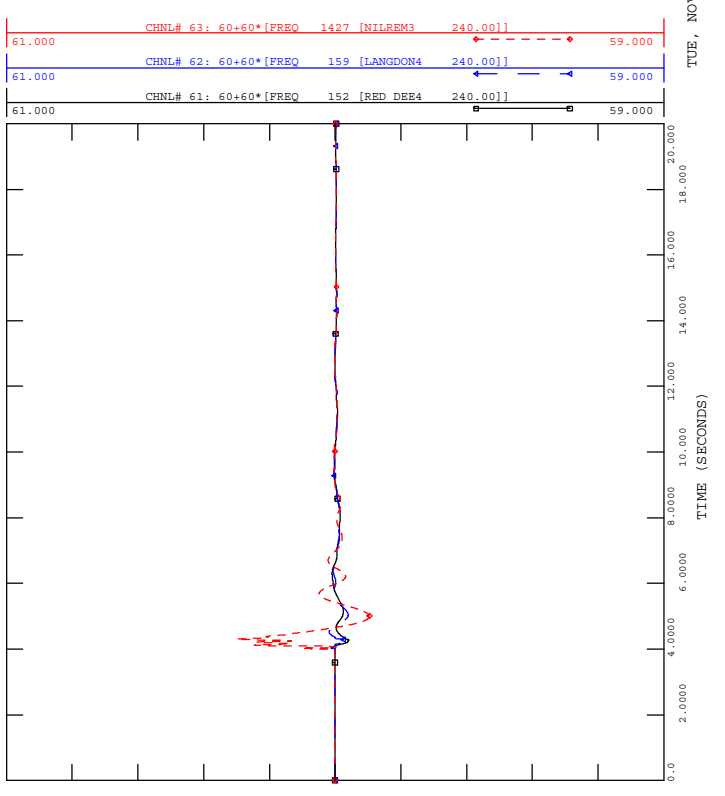


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L912_S902_766S-Nevis.out

TUE, NOV 29 2016 9:08

FREQUENCY

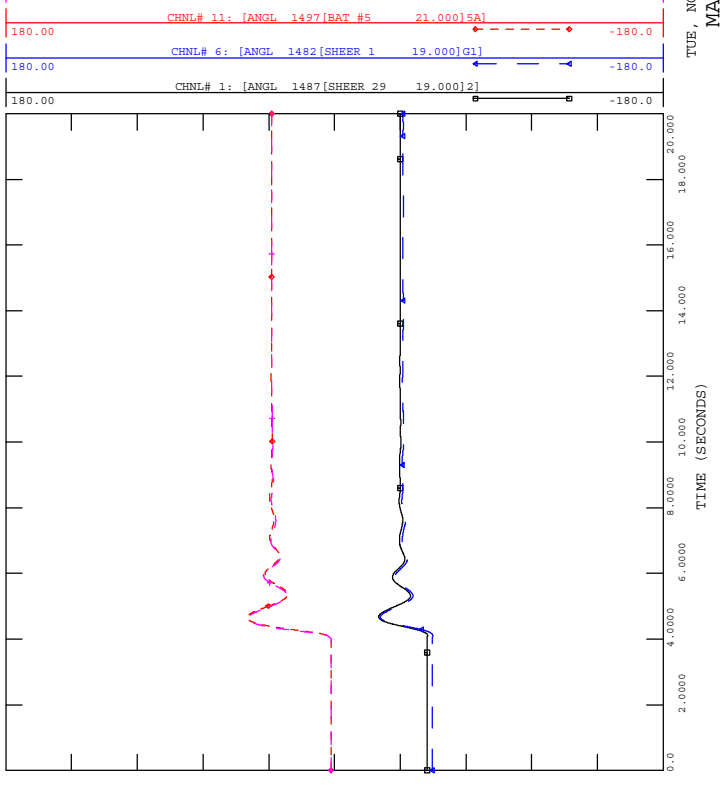


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L912_S902_766S-Nevis.out

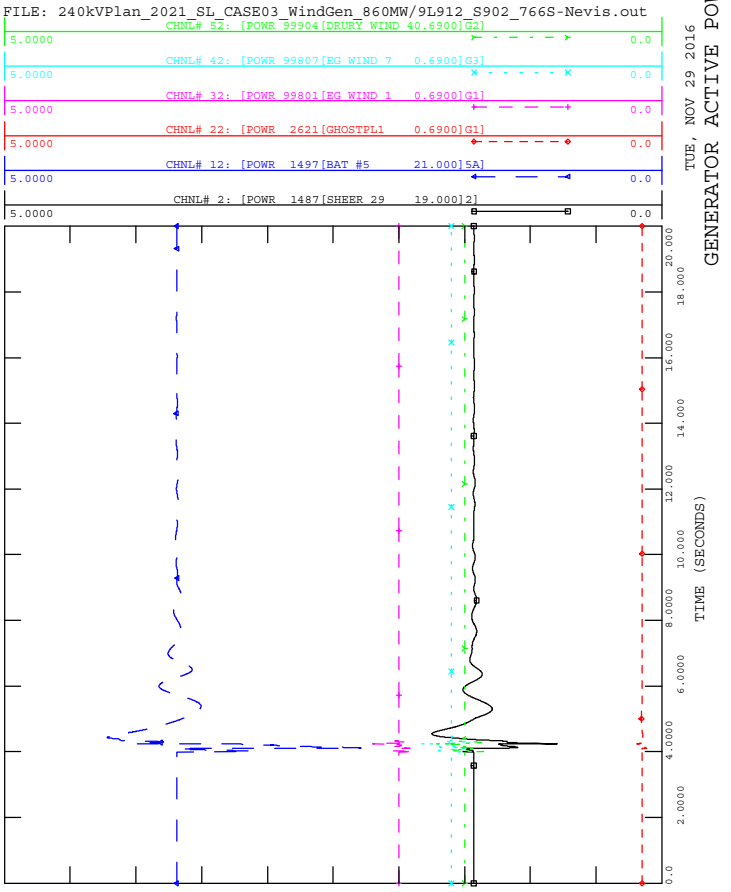
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L912_S902_766S-Nevis.out

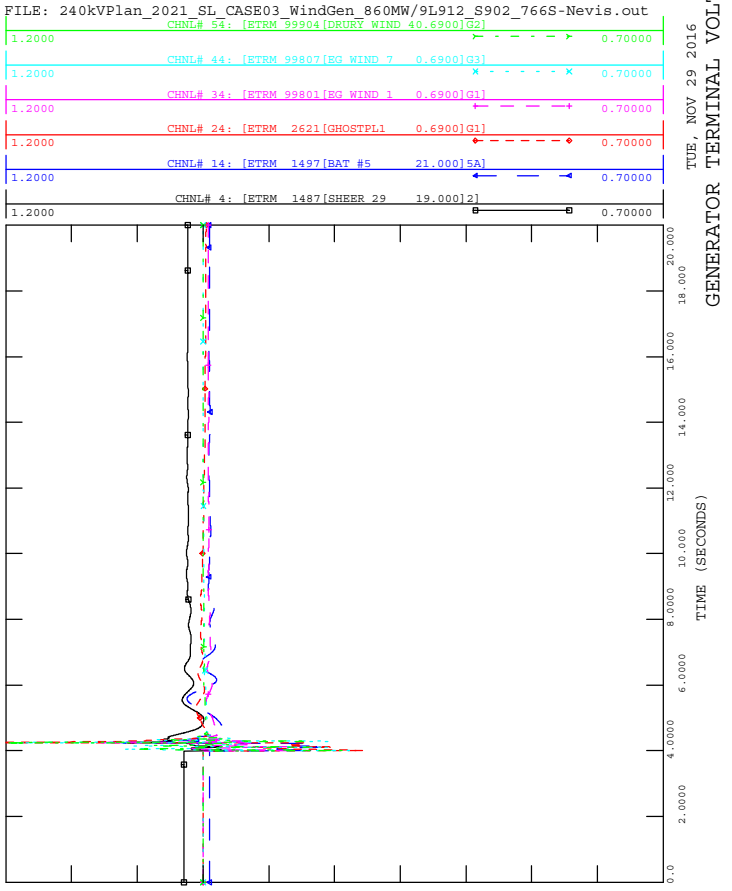


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L912_S902_766S-Nevis.out

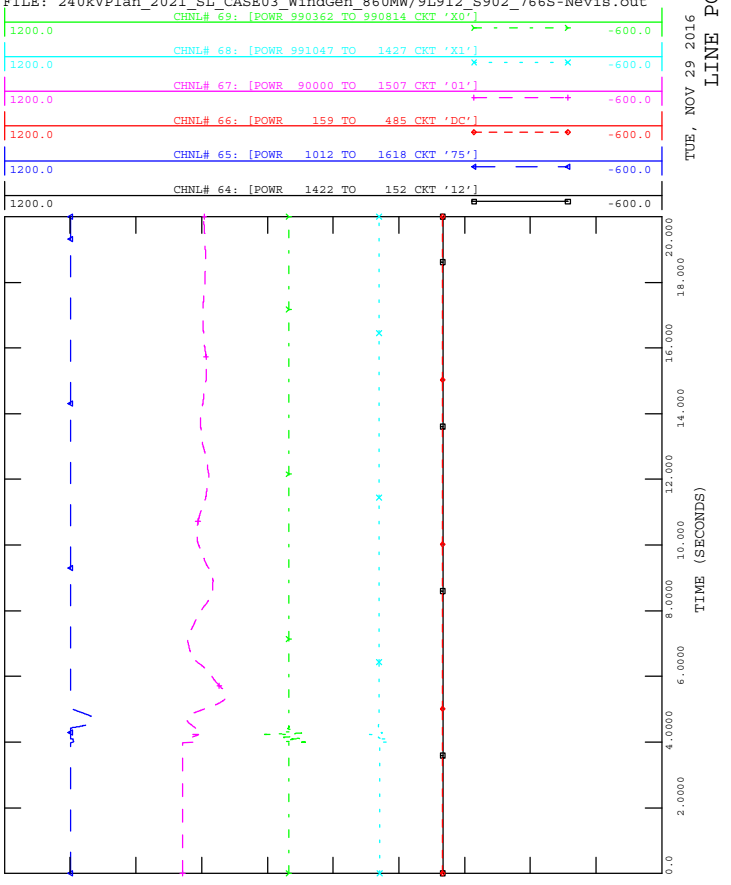


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L912_S902_766S-Nevis.out

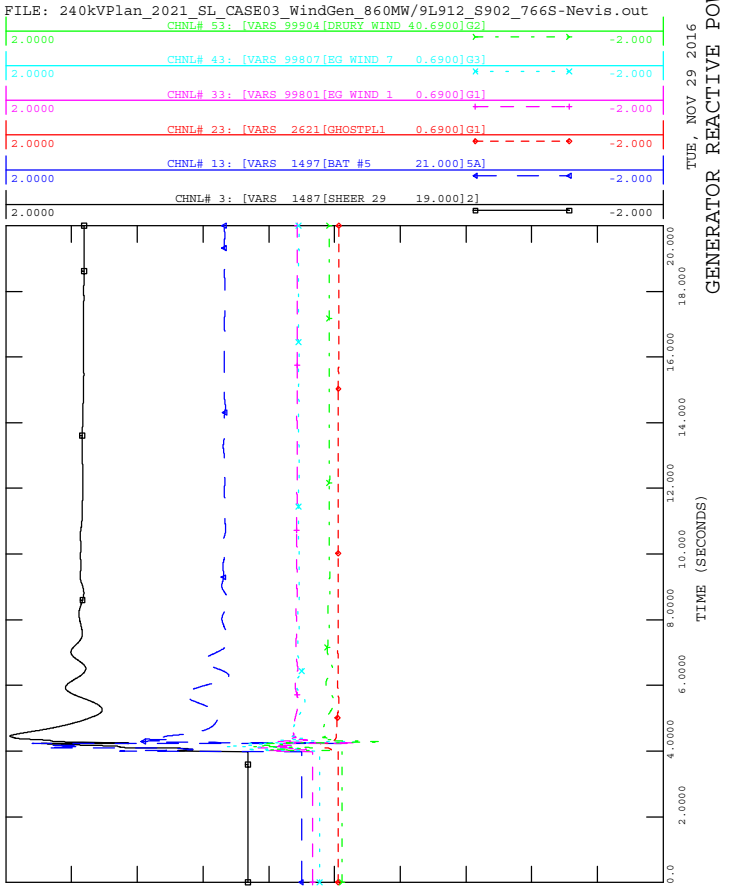


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L912_S902_766S-Nevis.out



TUE, NOV 29 2016 9:08

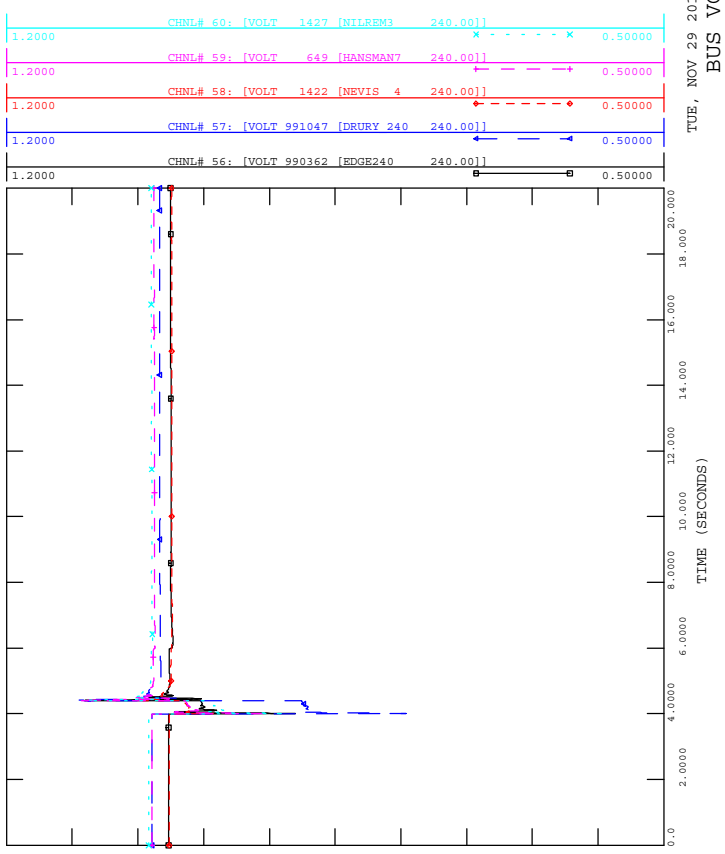
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_S704_710S-Vermillion.o

TUE, NOV 29 2016 9:08

BUS VOLTAGE

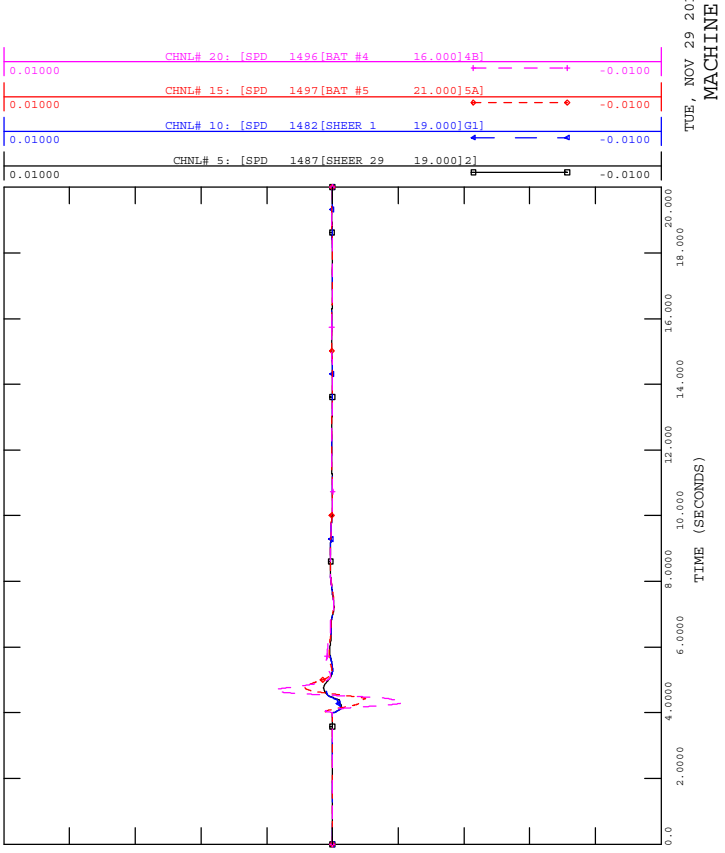


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_S704_710S-Vermillion.o

TUE, NOV 29 2016 9:08

MACHINE SPEED

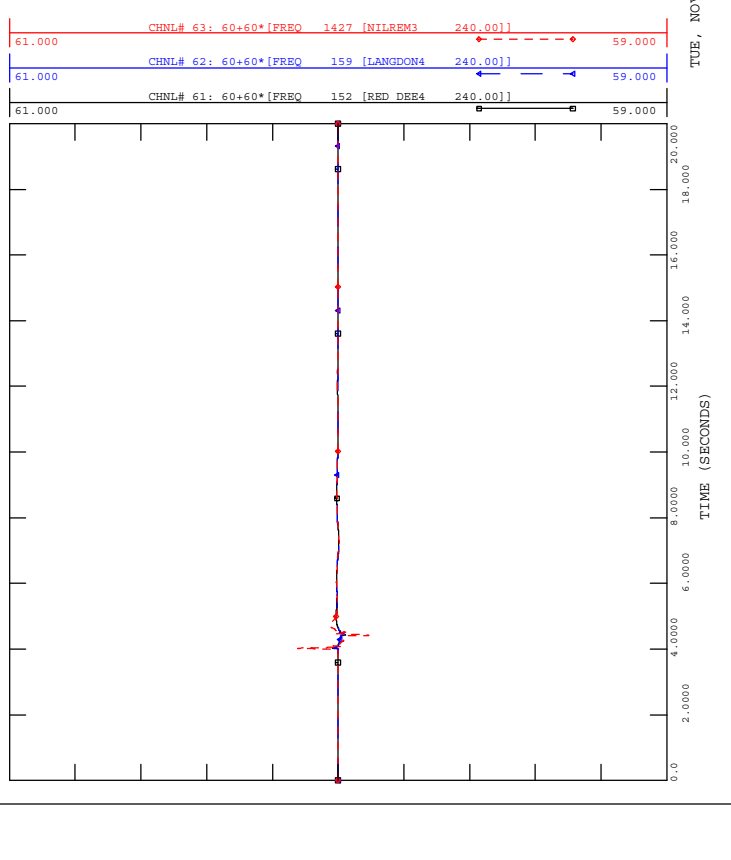


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_S704_710S-Vermillion.o

TUE, NOV 29 2016 9:08

FREQUENCY

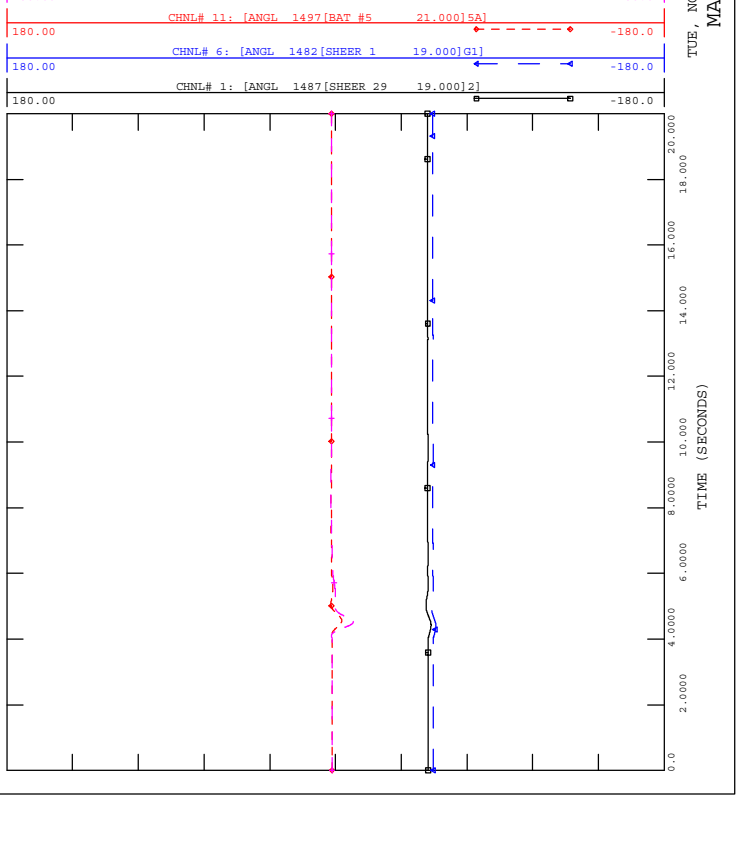


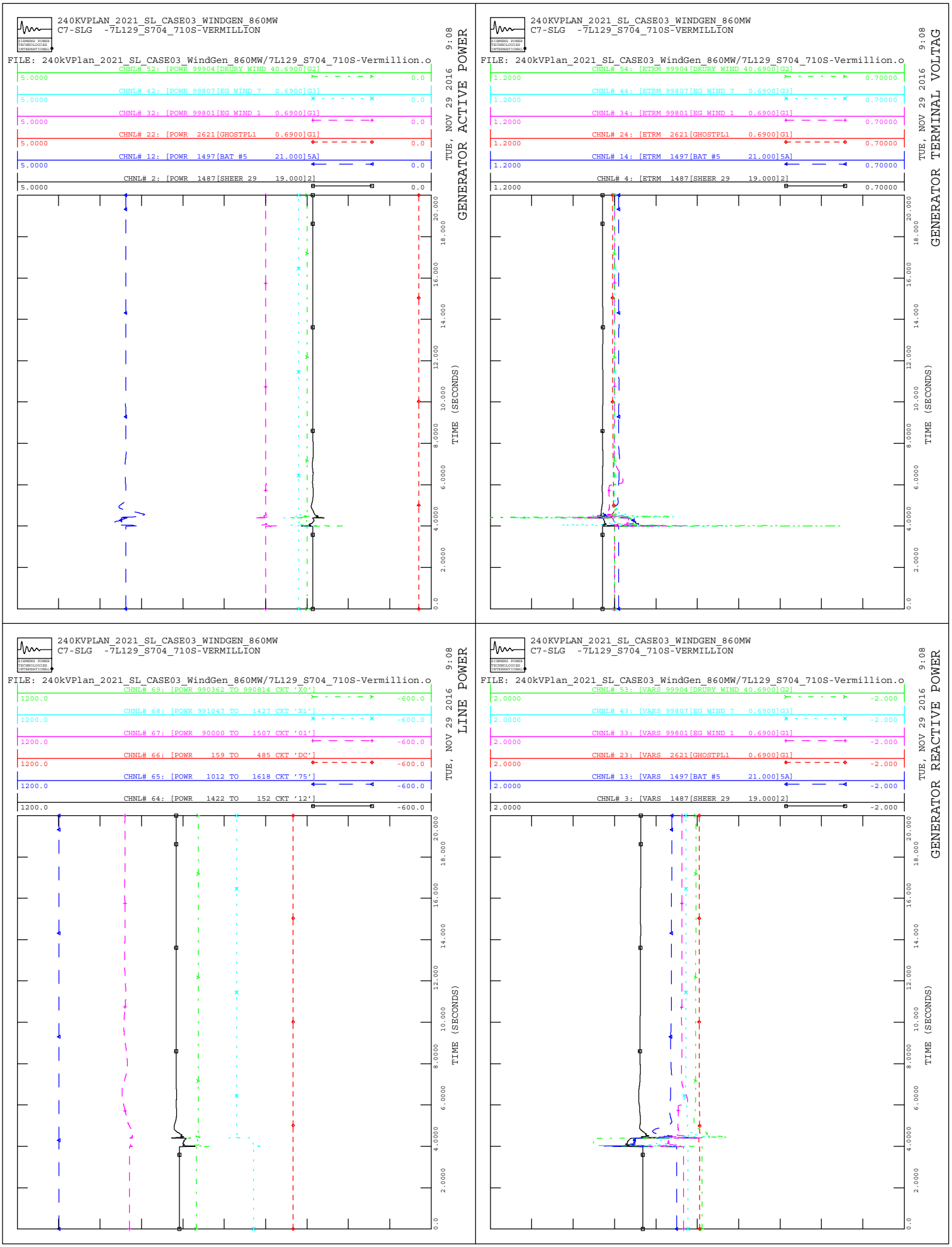
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_S704_710S-Vermillion.o

TUE, NOV 29 2016 9:08

MACHINE ANGEL



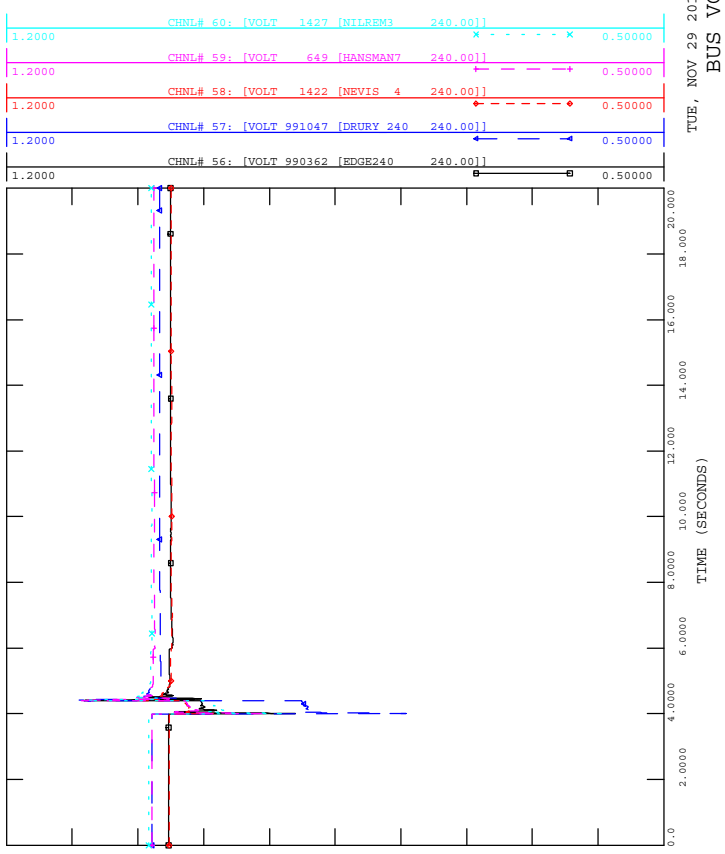

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_S704_710S-Vermillion.o
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_S704_710S-Vermillion.o
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_S704_710S-Vermillion.o
TUE, NOV 29 2016 9:08
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L129_S704_710S-Vermillion.o
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_S703_710S-Vermillion.o

TUE, NOV 29 2016 9:08

BUS VOLTAGE

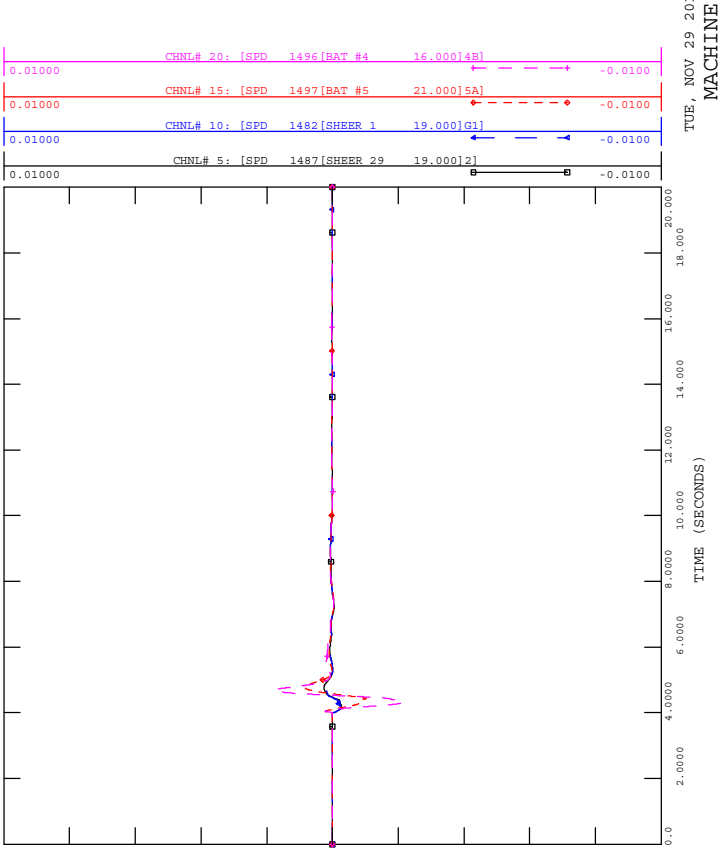


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_S703_710S-Vermillion.o

TUE, NOV 29 2016 9:08

MACHINE SPEED

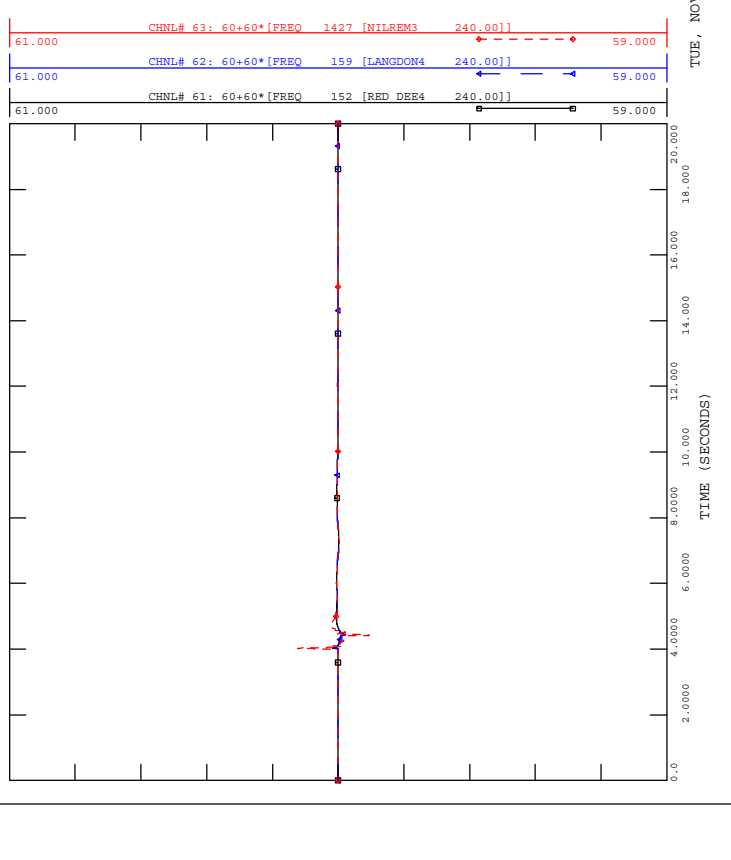


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_S703_710S-Vermillion.o

TUE, NOV 29 2016 9:08

FREQUENCY

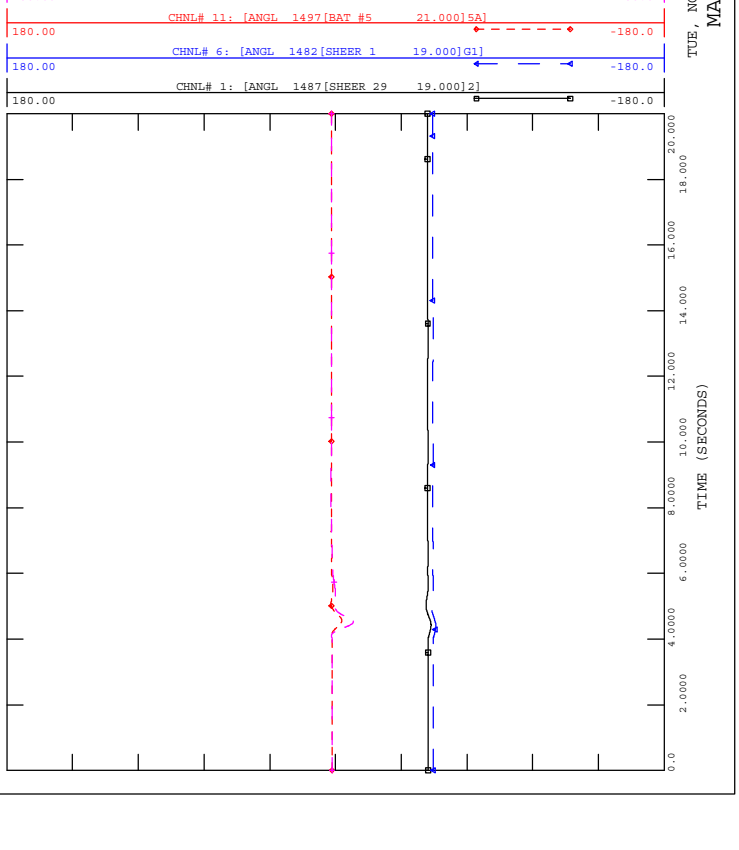


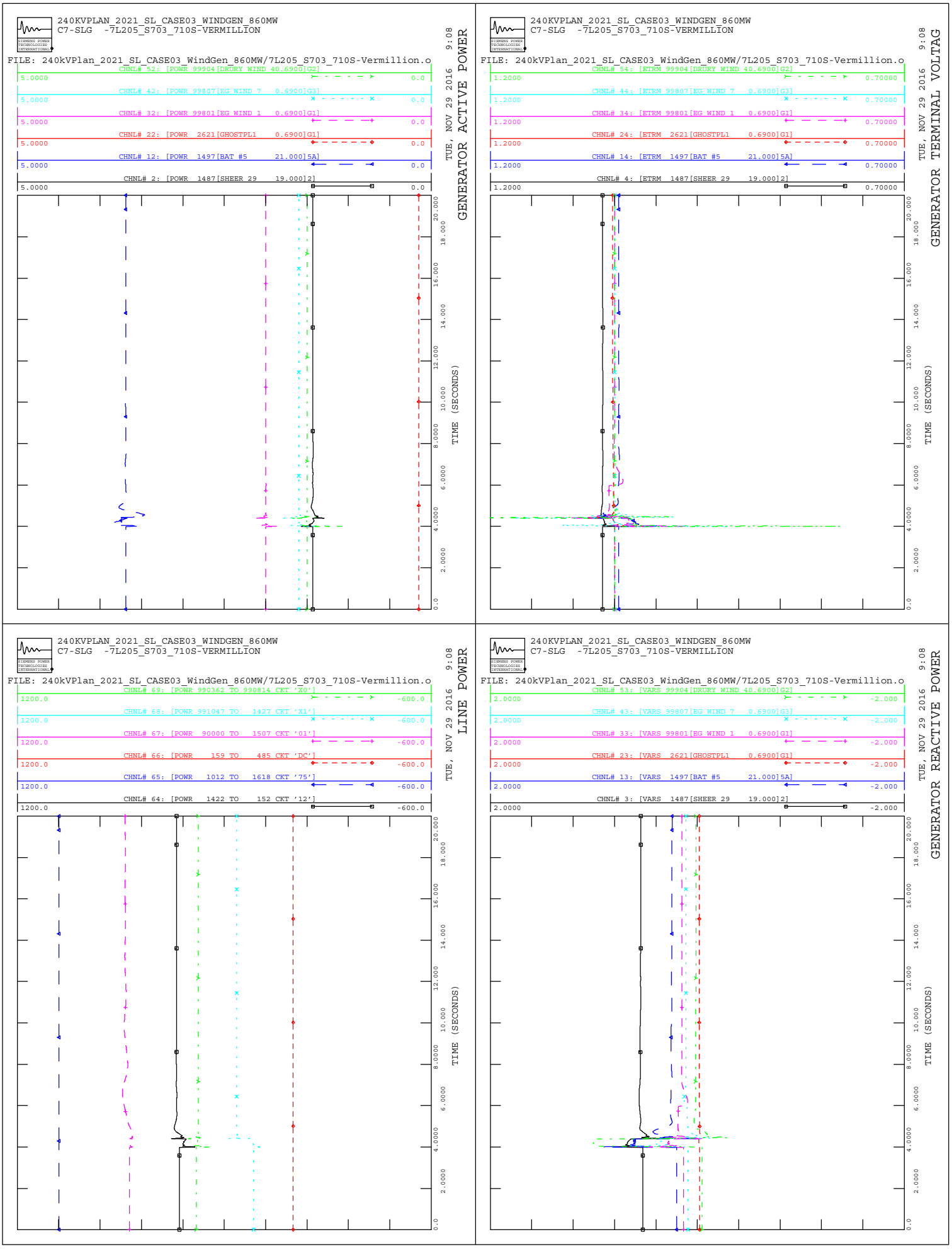
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_S703_710S-Vermillion.o

TUE, NOV 29 2016 9:08

MACHINE ANGEL



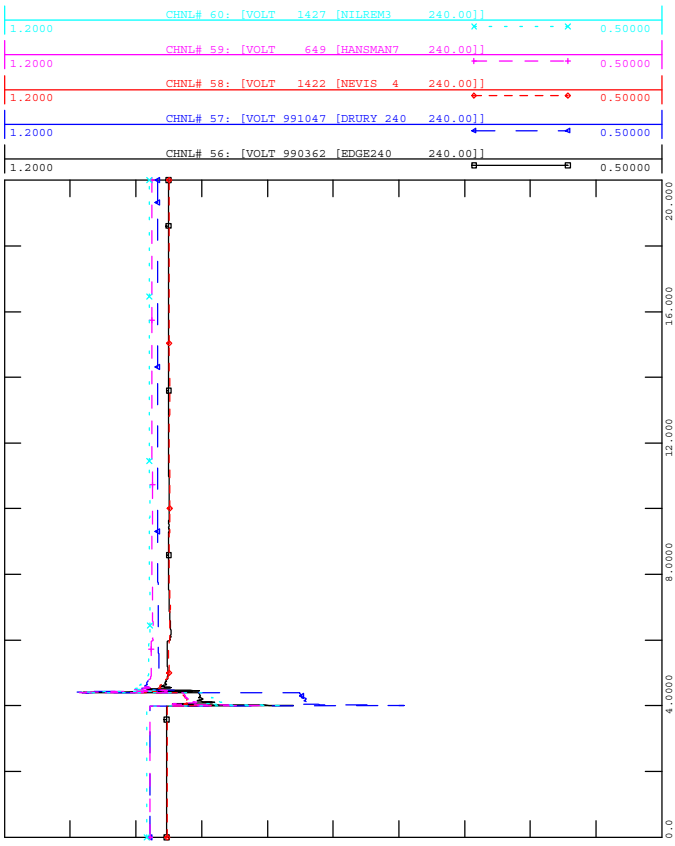

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_S703_710S-Vermillion.o
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_S703_710S-Vermillion.o
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_S703_710S-Vermillion.o
TUE, NOV 29 2016 9:08
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_S703_710S-Vermillion.o
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_S701_710S-Vermillion.o

TUE, NOV 29 2016 9:08

BUS VOLTAGE

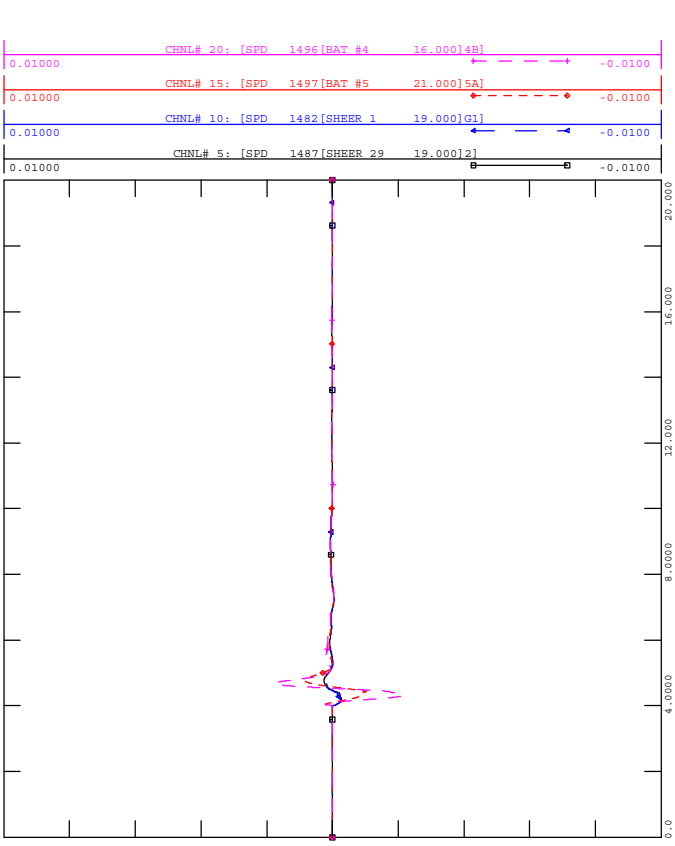


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_S701_710S-Vermillion.o

TUE, NOV 29 2016 9:08

MACHINE SPEED

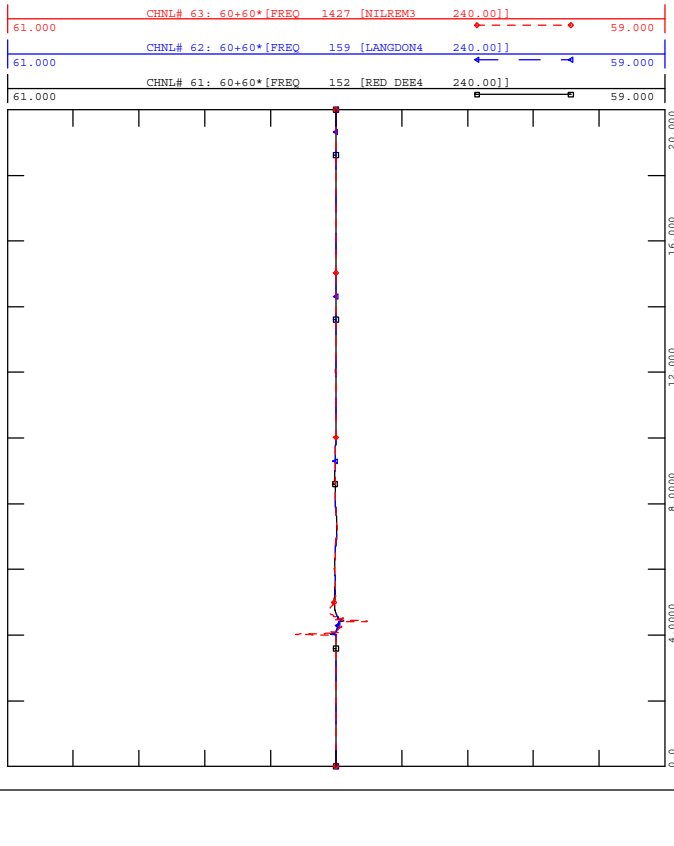


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_S701_710S-Vermillion.o

TUE, NOV 29 2016 9:08

FREQUENCY

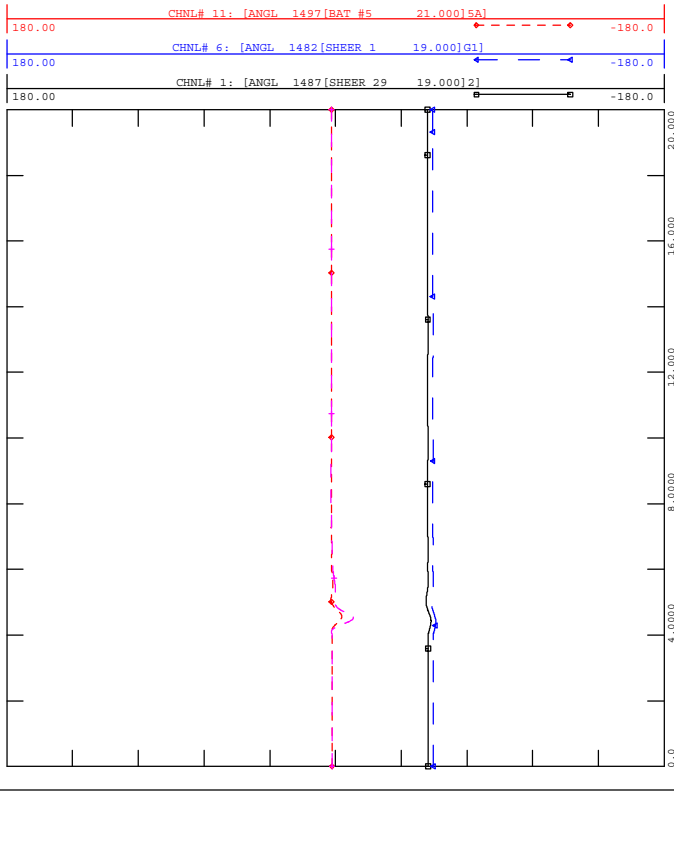


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_S701_710S-Vermillion.o

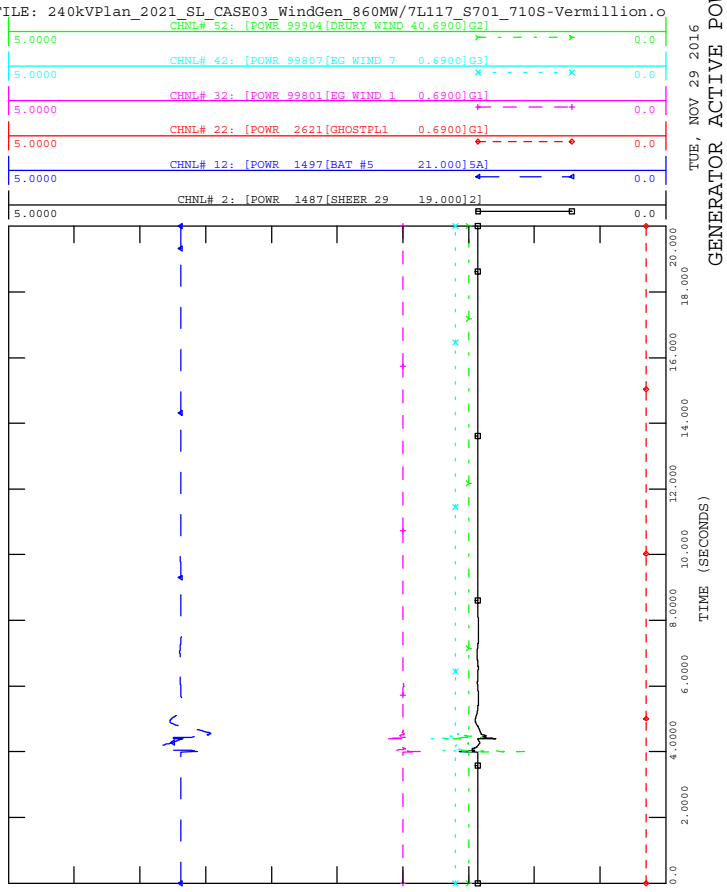
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_S701_710S-Vermillion.o

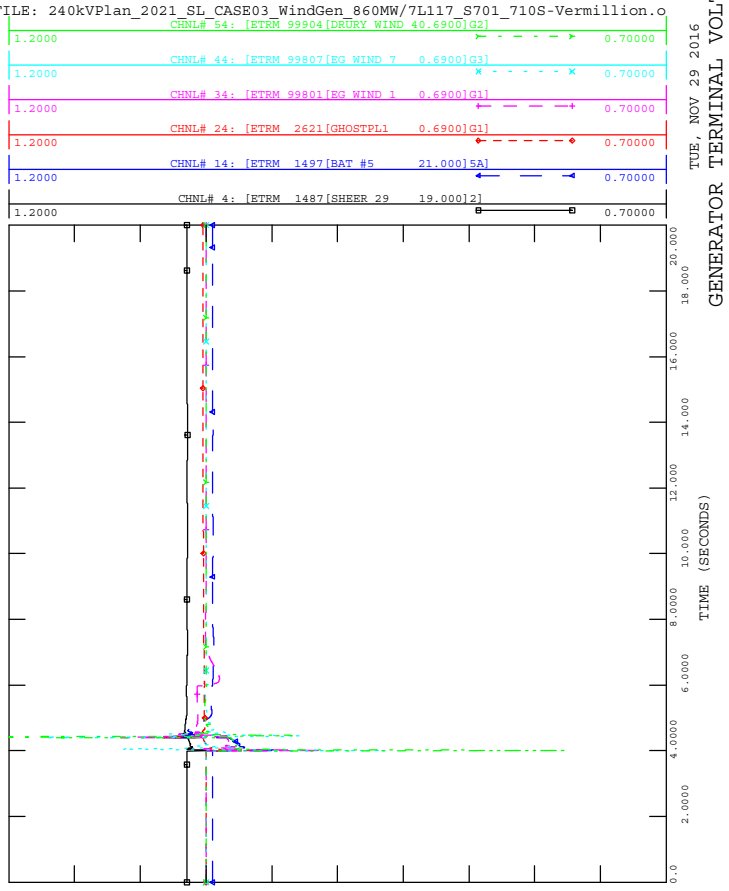


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_S701_710S-Vermillion.o

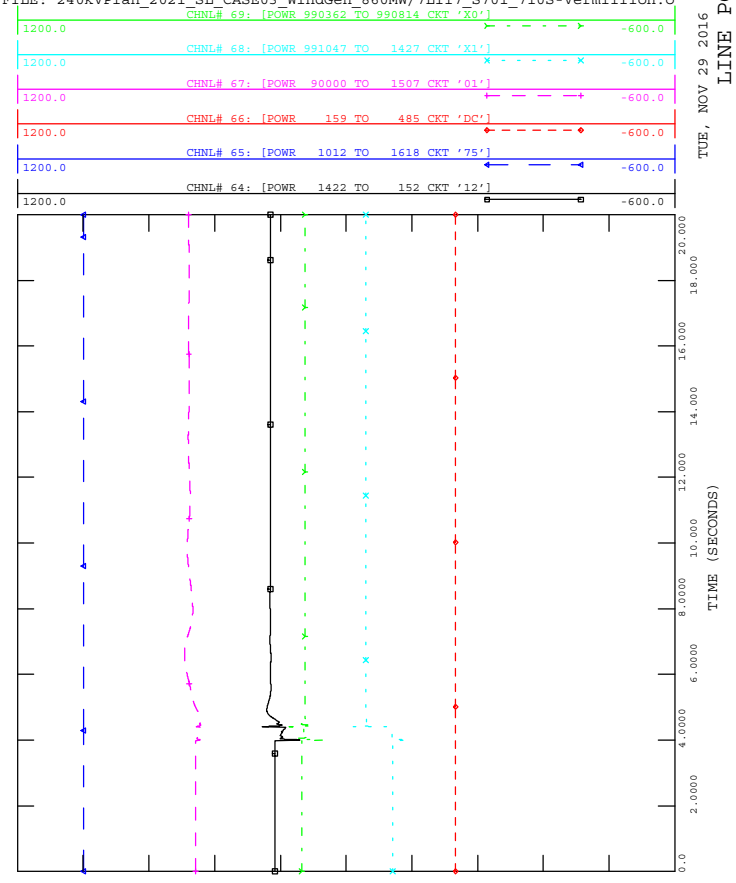


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_S701_710S-Vermillion.o

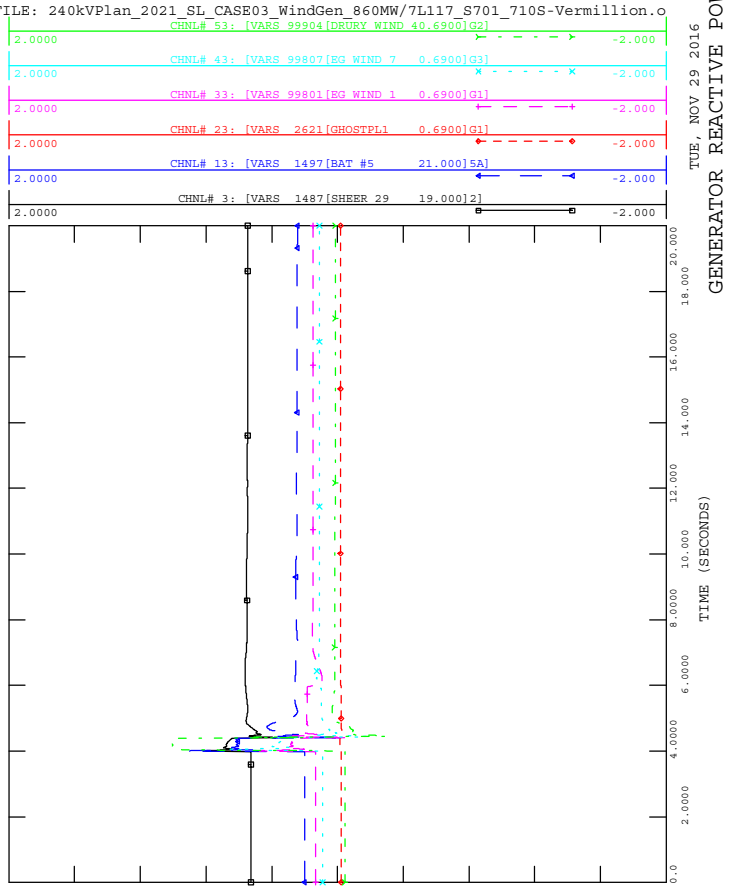


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L117_S701_710S-Vermillion.o



TUE, NOV 29 2016 9:08

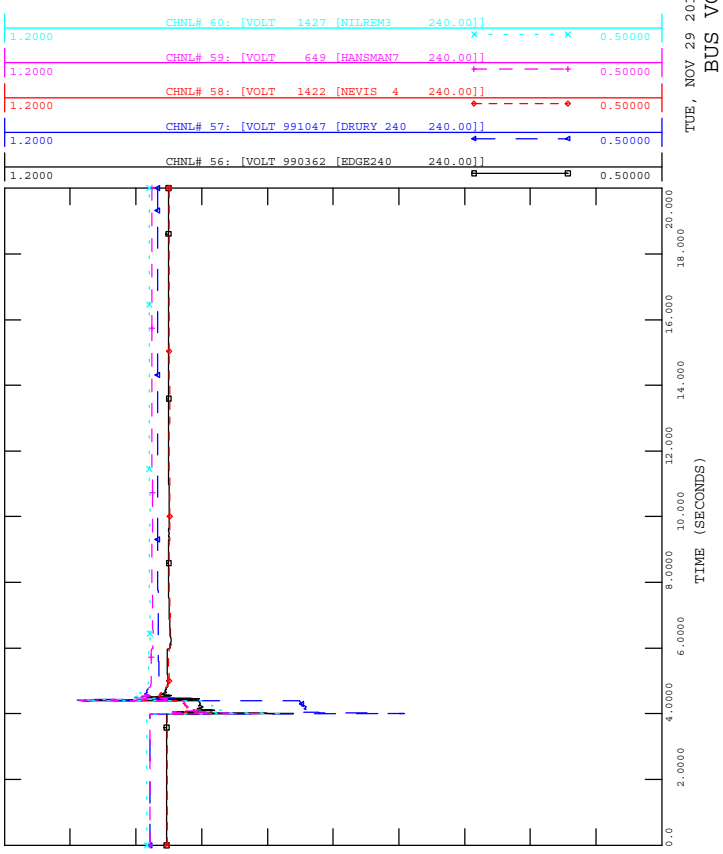
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_S702_710S-Vermillion.o

TUE, NOV 29 2016 9:08

BUS VOLTAGE

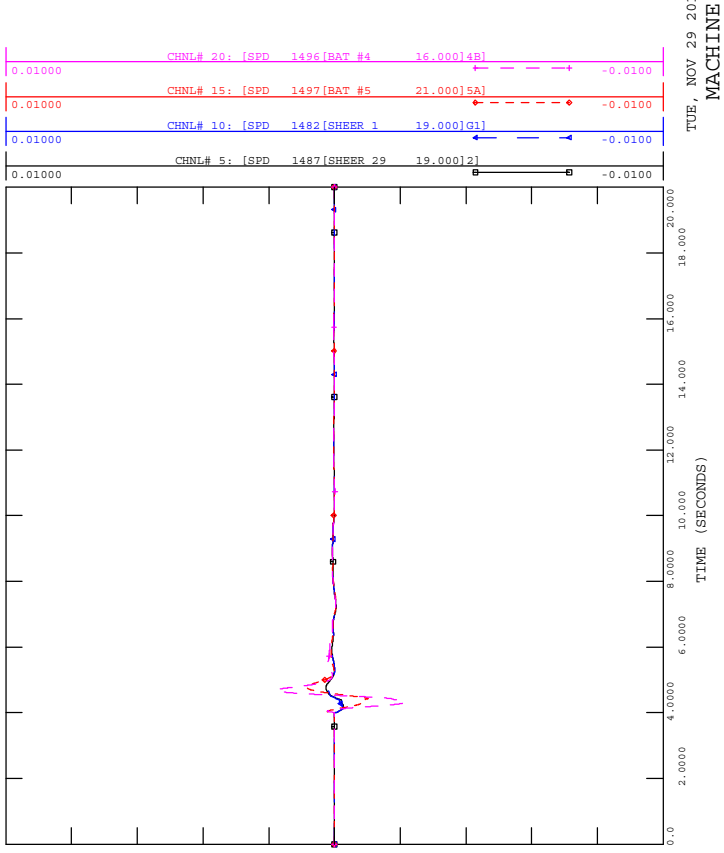


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_S702_710S-Vermillion.o

TUE, NOV 29 2016 9:08

MACHINE SPEED

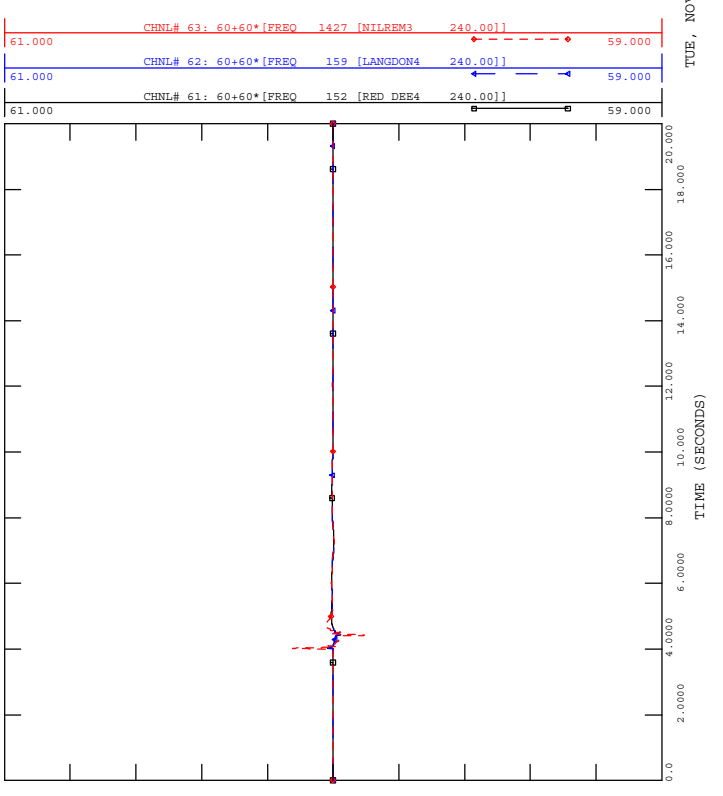


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_S702_710S-Vermillion.o

TUE, NOV 29 2016 9:08

FREQUENCY

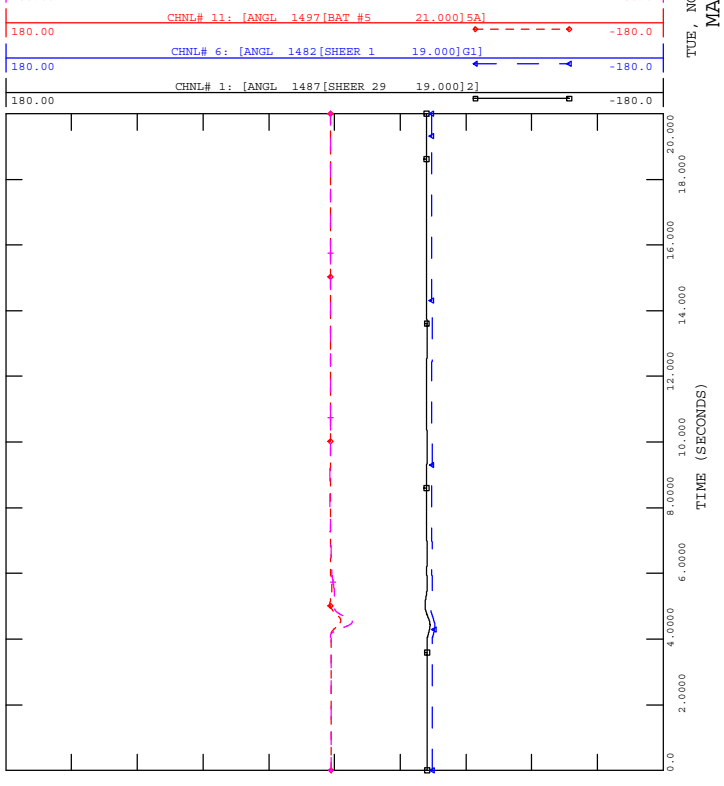


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_S702_710S-Vermillion.o

TUE, NOV 29 2016 9:08

MACHINE ANGEL

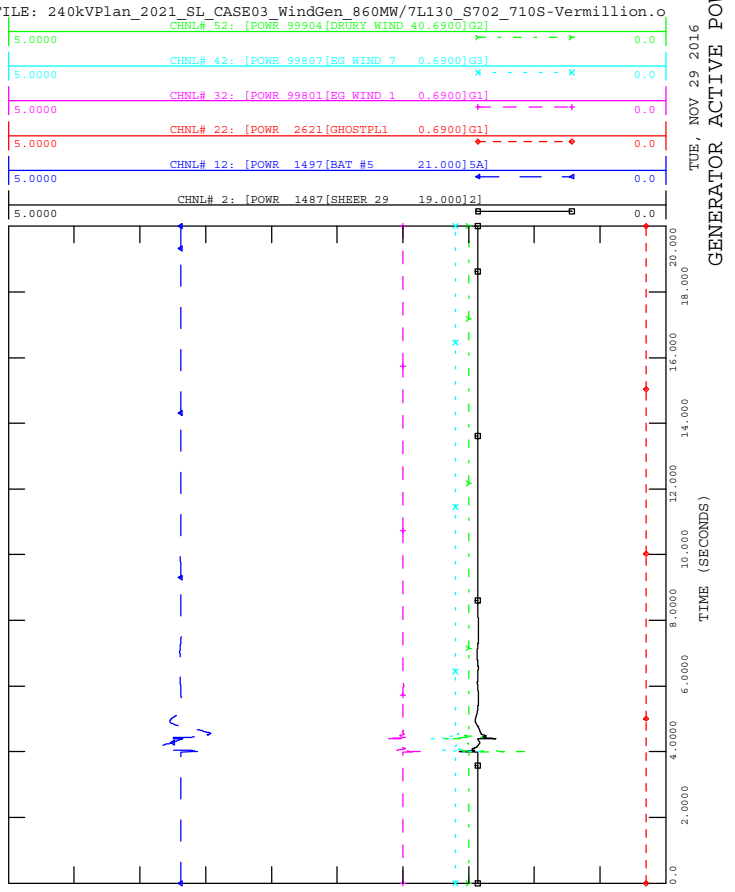


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_S702_710S-Vermillion.o

TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

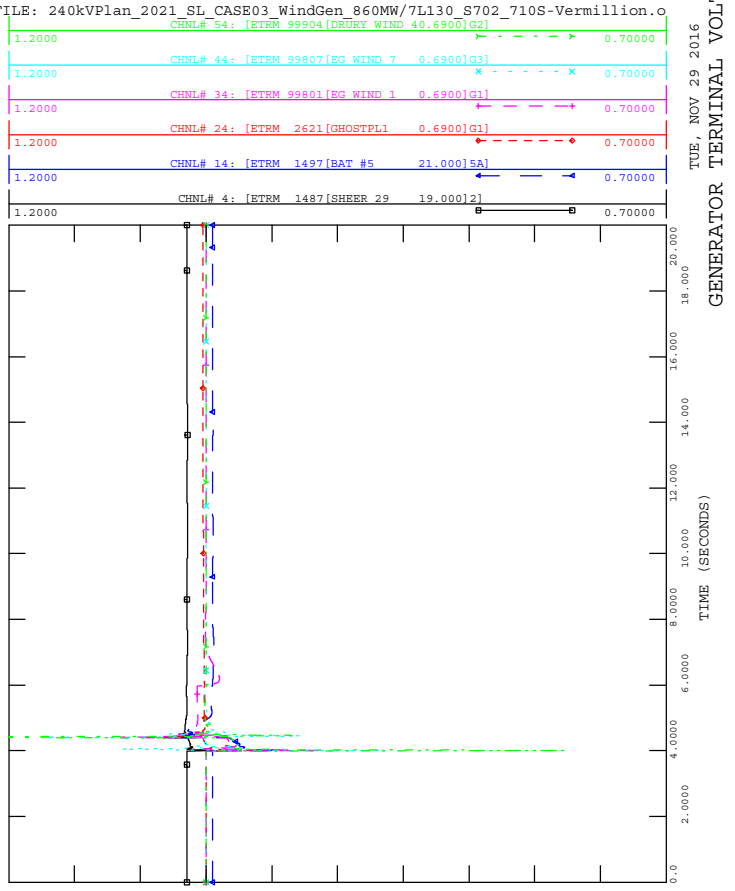


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_S702_710S-Vermillion.o

TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

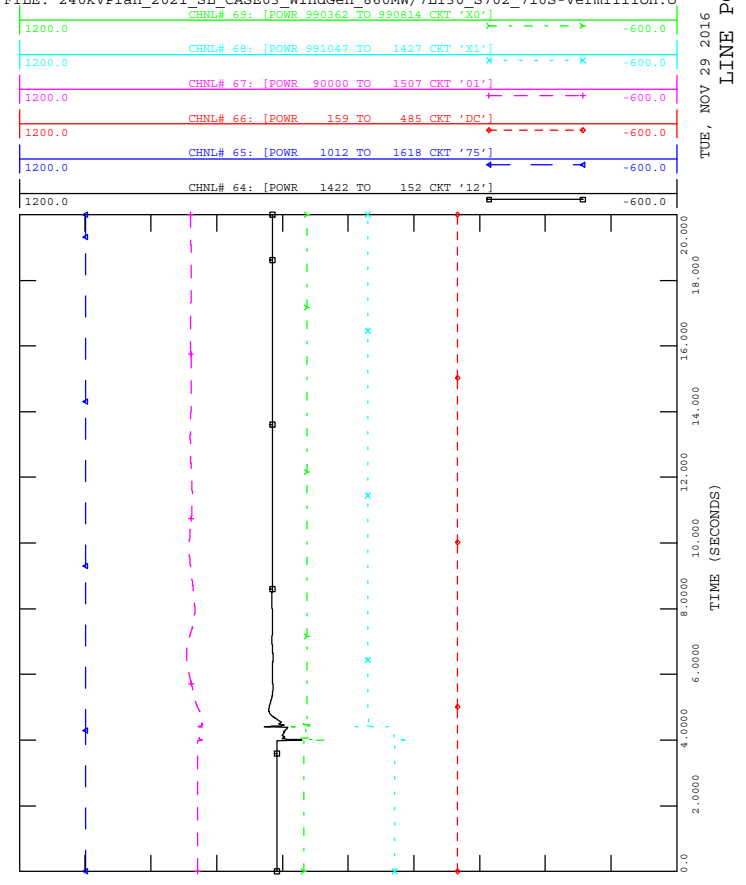


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_S702_710S-Vermillion.o

TUE, NOV 29 2016 9:08

LINE POWER

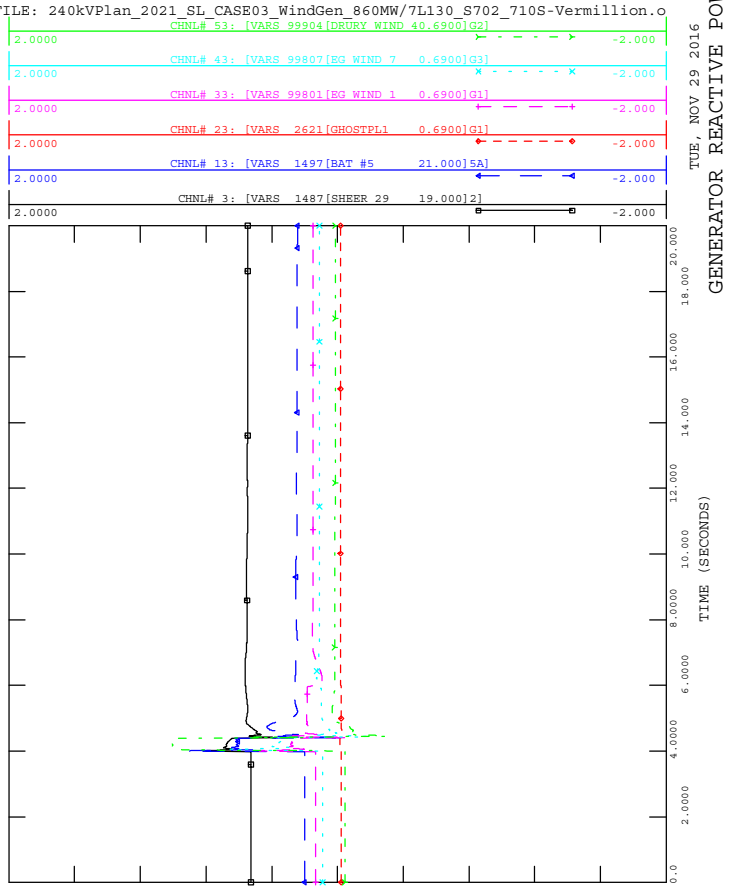


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L130_S702_710S-Vermillion.o

TUE, NOV 29 2016 9:08

GENERATOR REACTIVE POWER

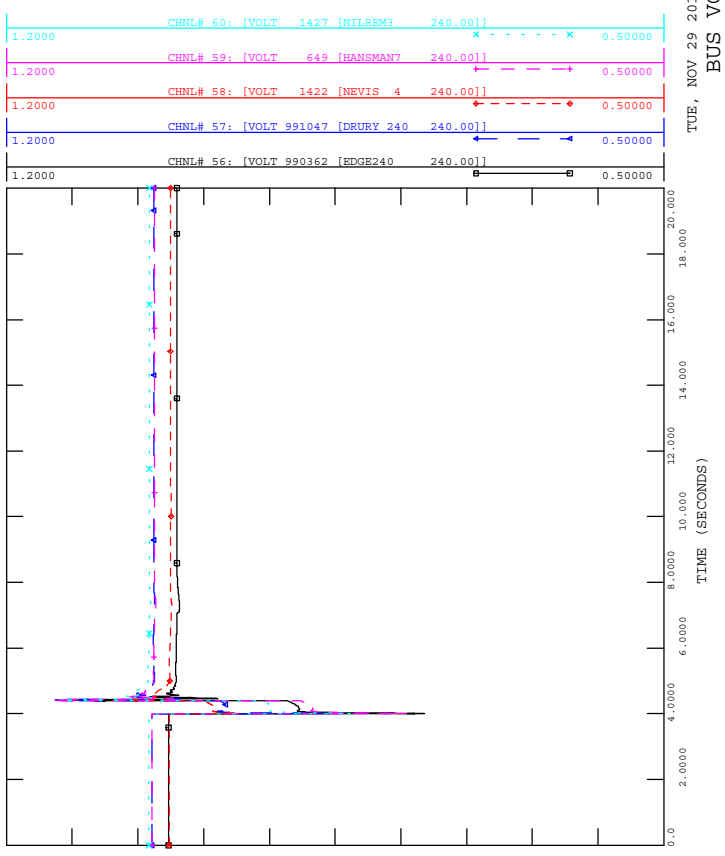


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_S472_648S-Metiskow.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

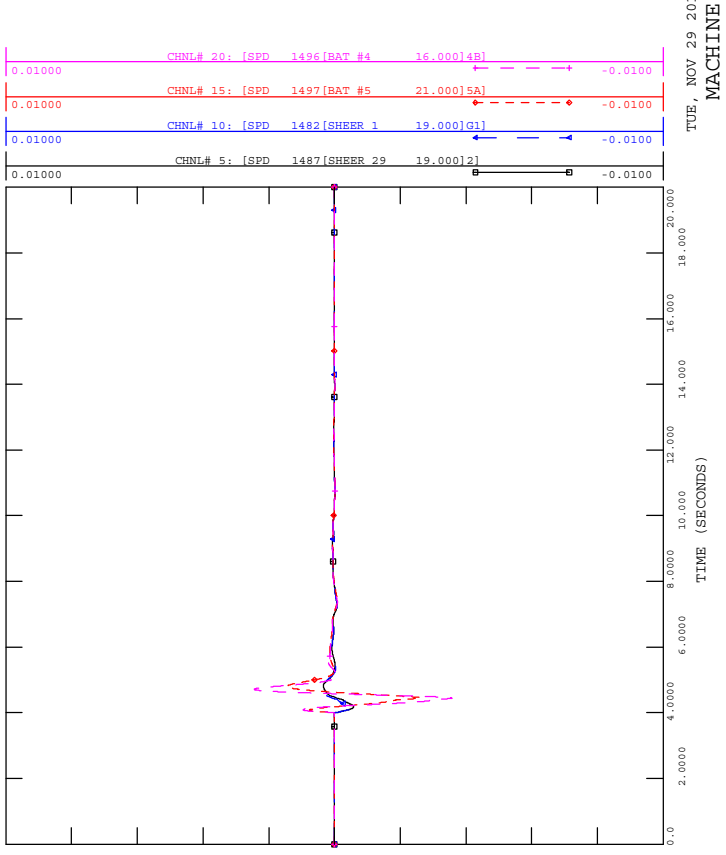


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_S472_648S-Metiskow.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

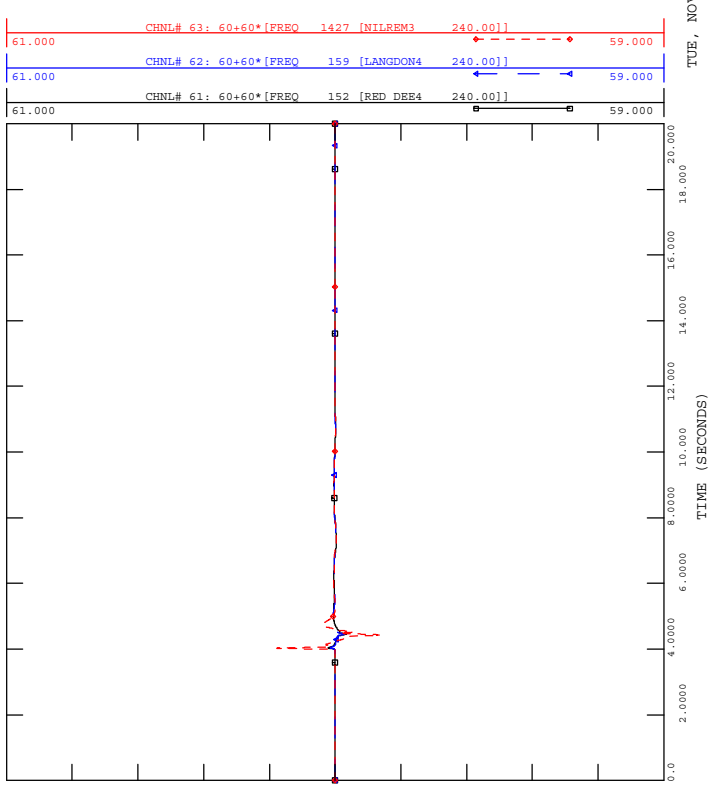


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_S472_648S-Metiskow.out

TUE, NOV 29 2016 9:08

FREQUENCY

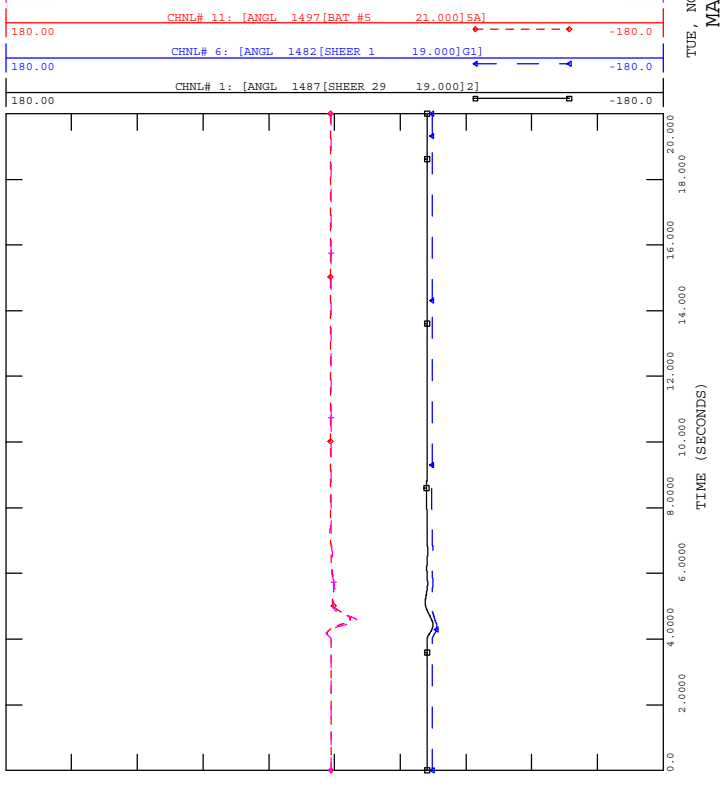


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_S472_648S-Metiskow.out

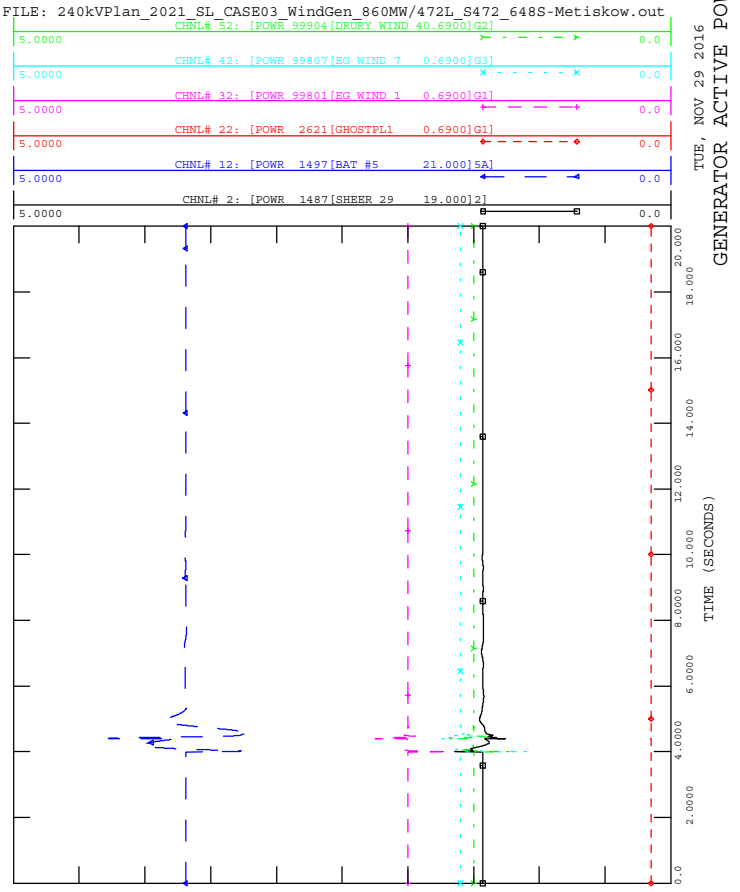
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_S472_648S-Metiskow.out

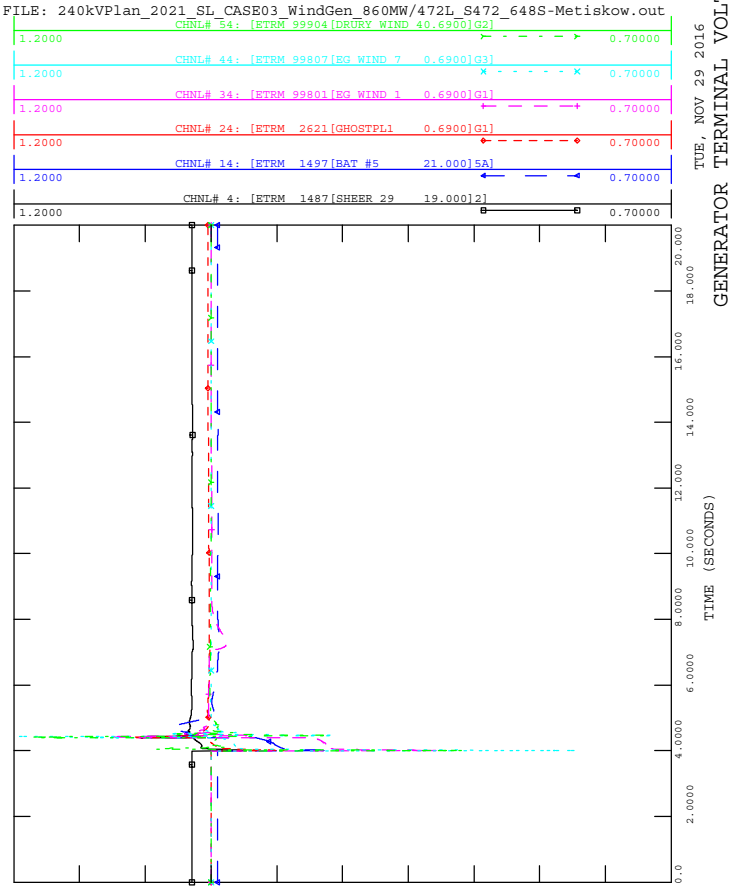


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_S472_648S-Metiskow.out

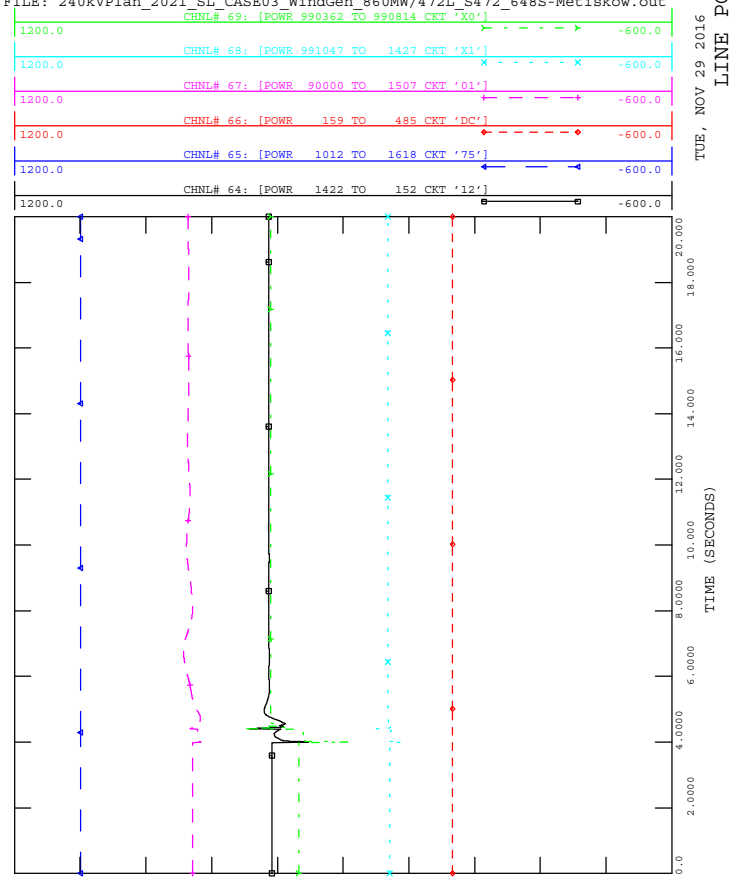


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_S472_648S-Metiskow.out

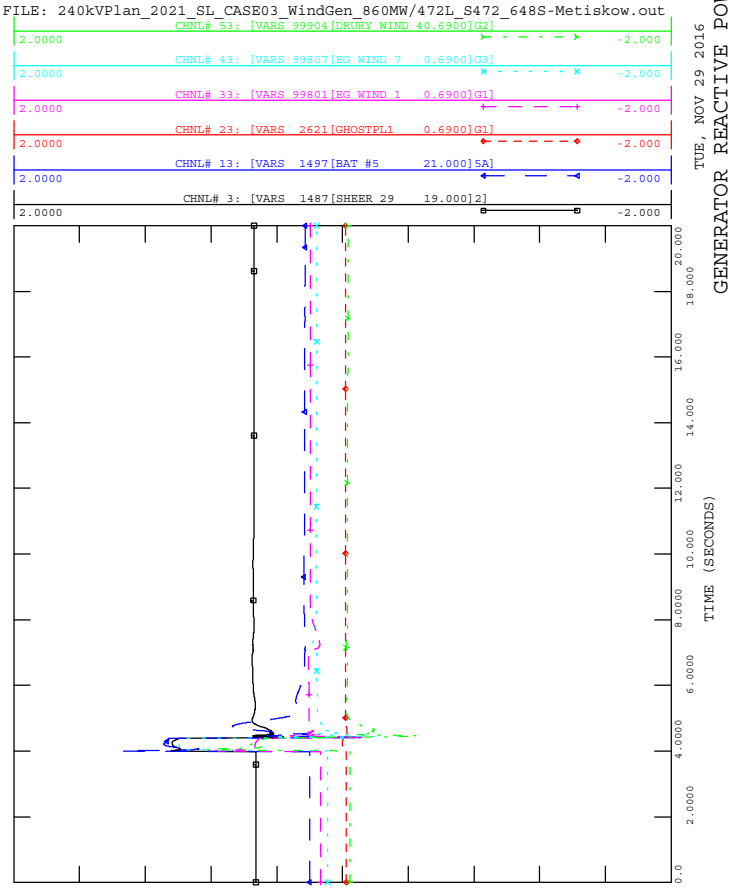


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/472L_S472_648S-Metiskow.out



TUE, NOV 29 2016 9:08

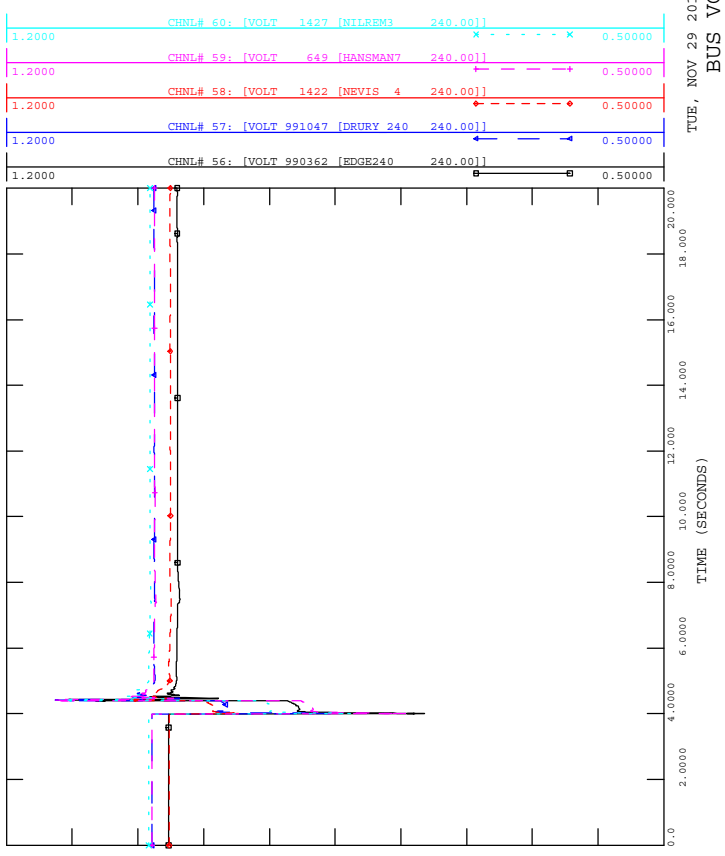
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749E_648S-Metiskow.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

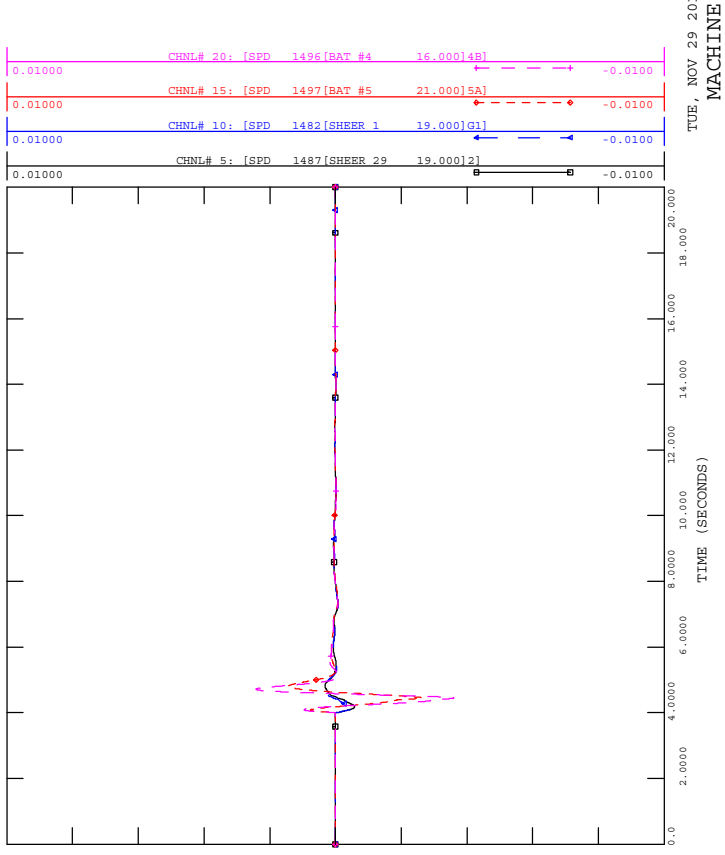


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749E_648S-Metiskow.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

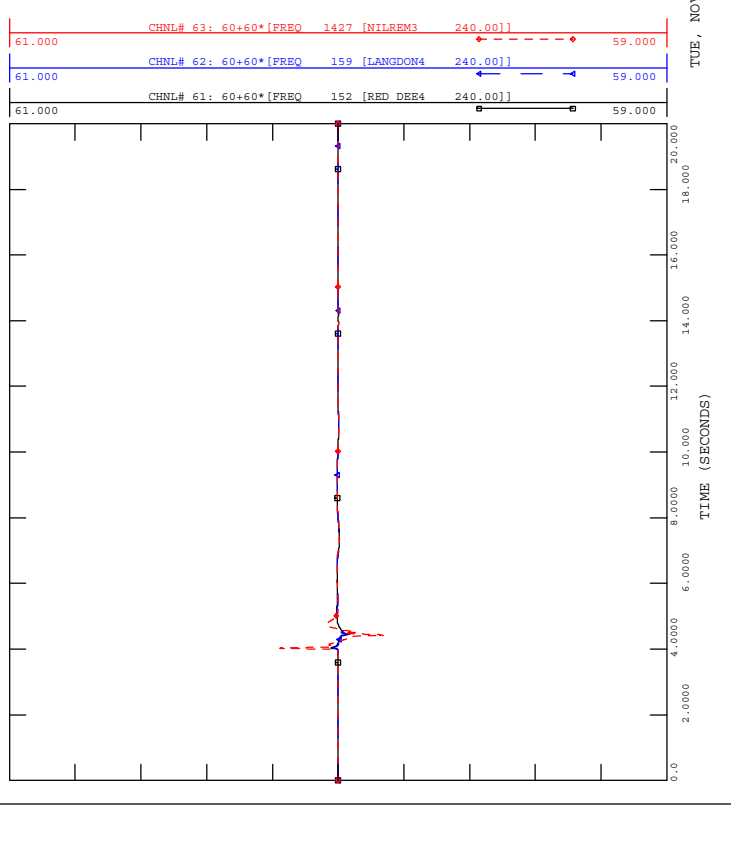


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749E_648S-Metiskow.out

TUE, NOV 29 2016 9:08

FREQUENCY

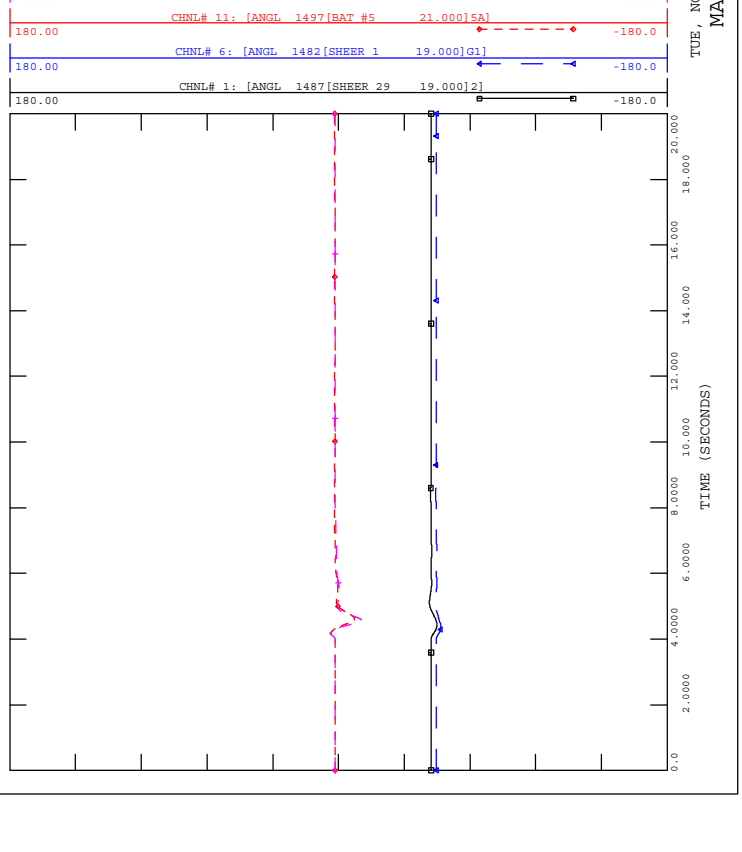


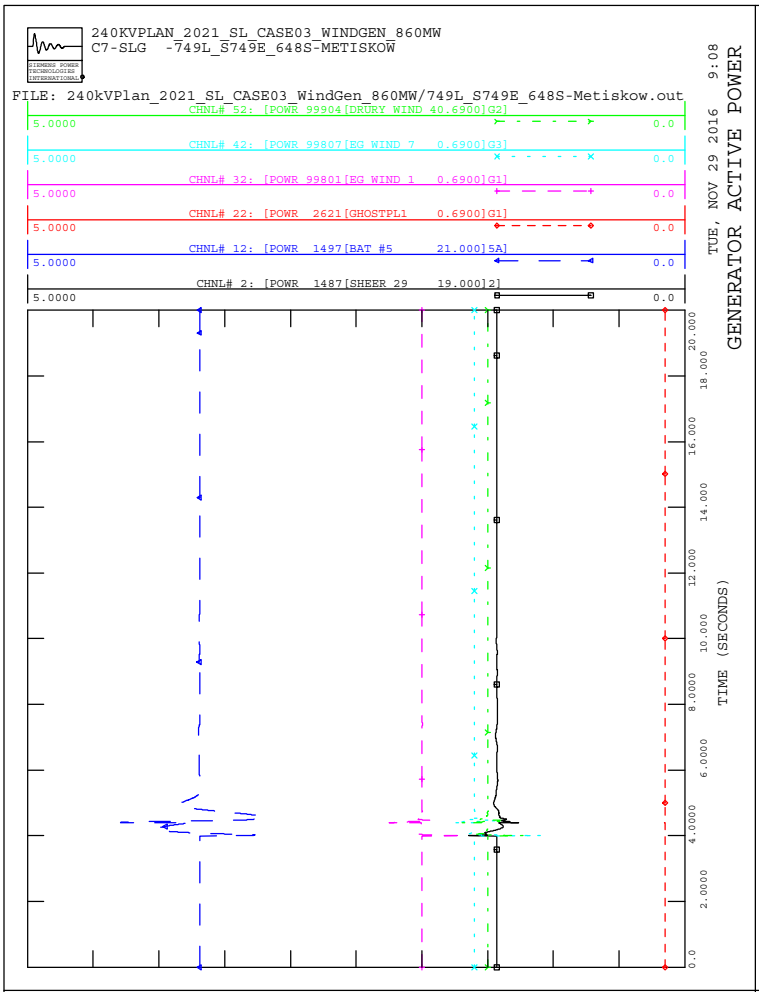
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW

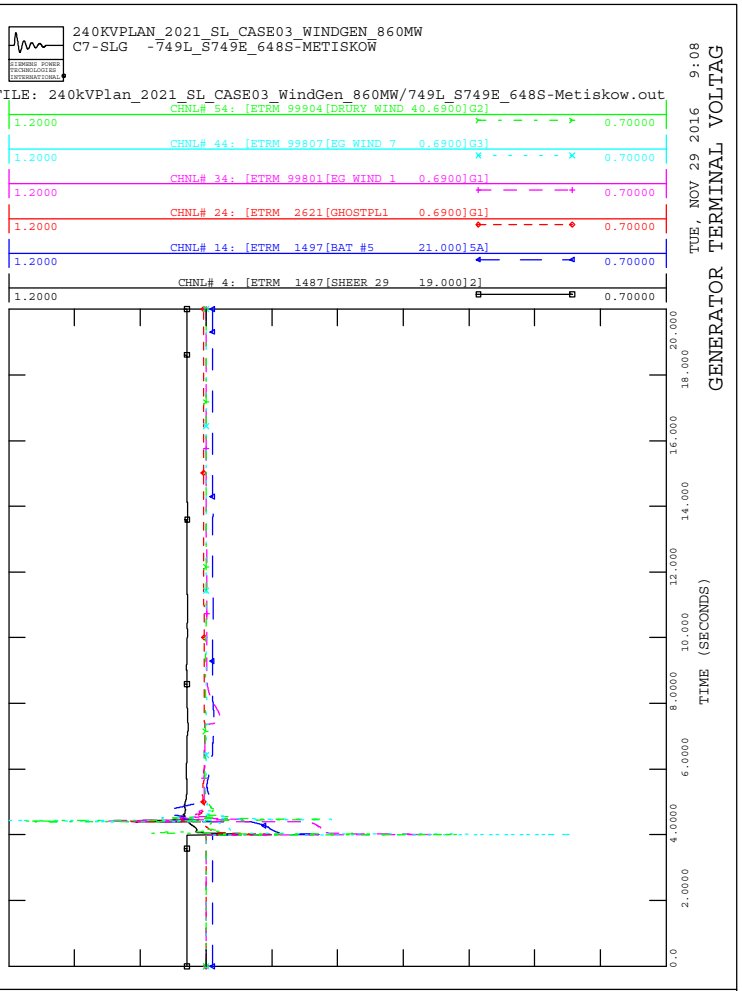
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749E_648S-Metiskow.out

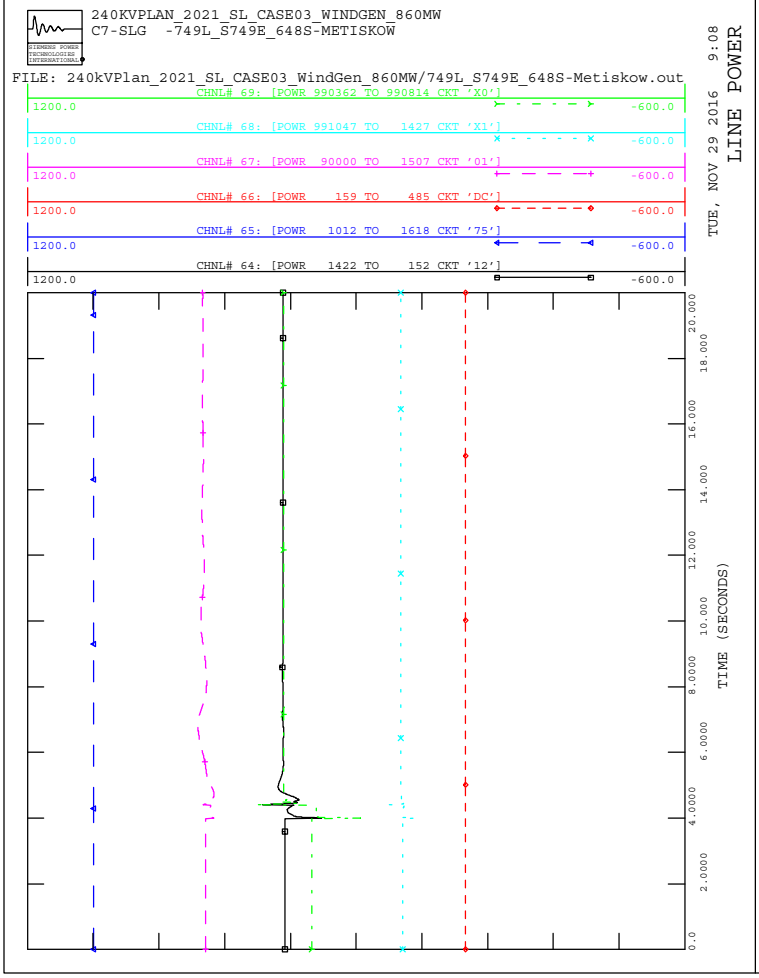
TUE, NOV 29 2016 9:08

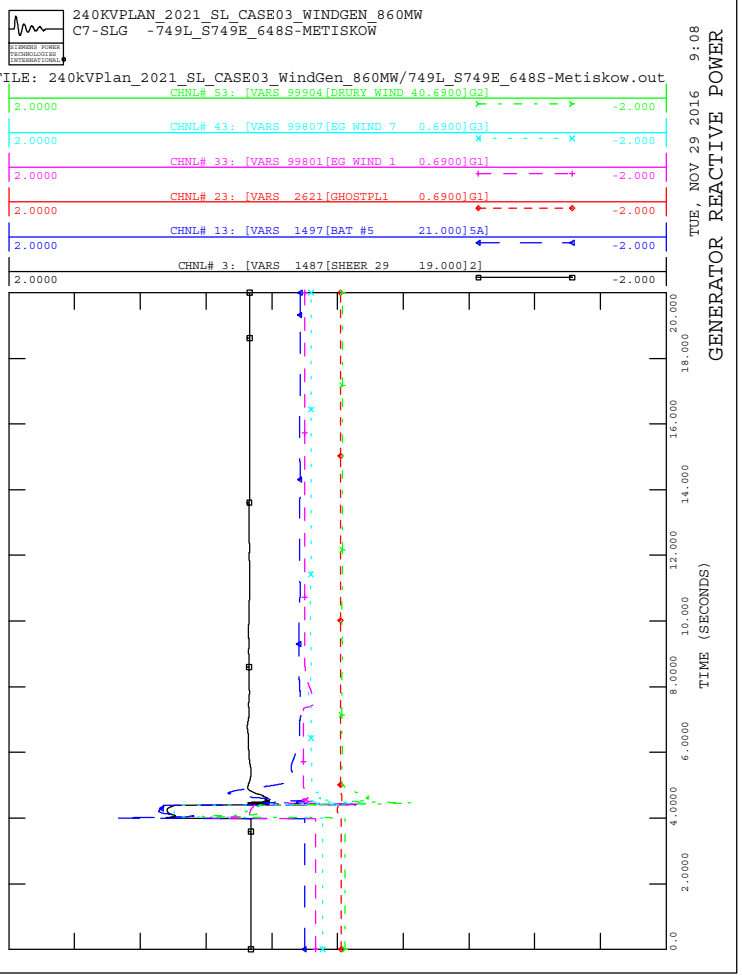
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749E_648S-Metiskow.out
9:08 TUE, NOV 29 2016
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749E_648S-Metiskow.out
9:08 TUE, NOV 29 2016
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749E_648S-Metiskow.out
9:08 TUE, NOV 29 2016
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

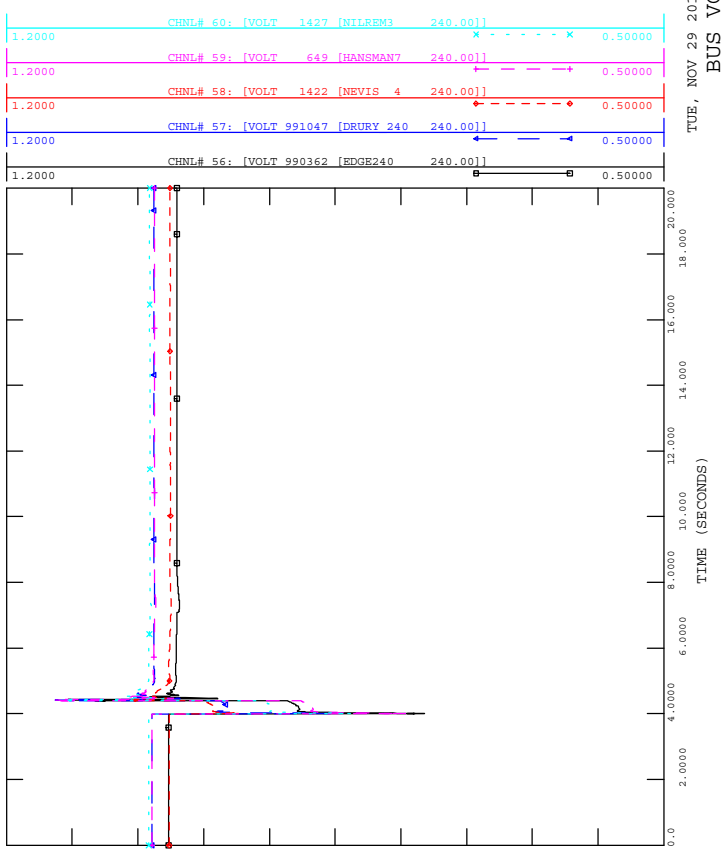

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749E_648S-Metiskow.out
9:08 TUE, NOV 29 2016
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S885_648S-Metiskow.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

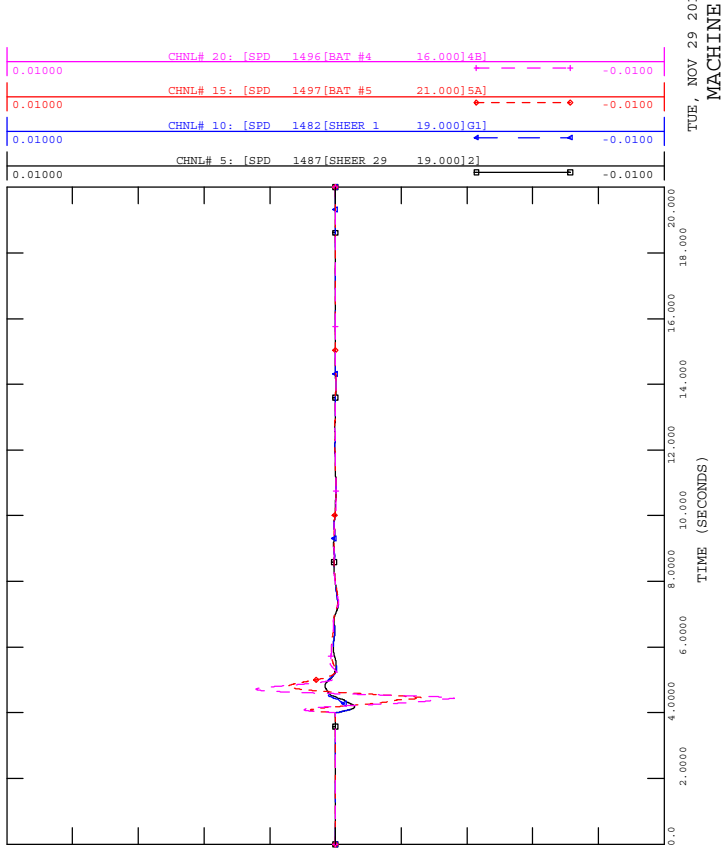


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S885_648S-Metiskow.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

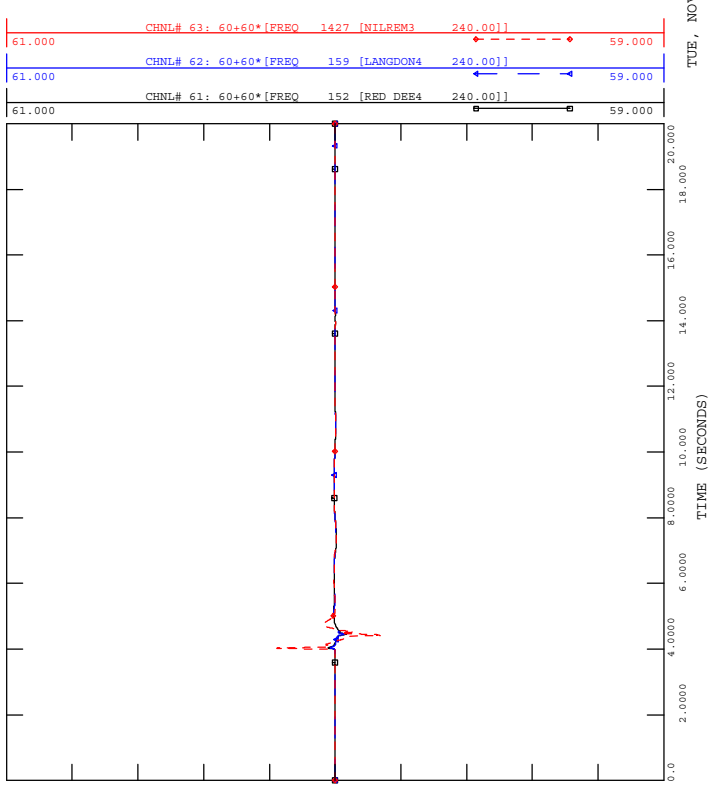


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S885_648S-Metiskow.out

TUE, NOV 29 2016 9:08

FREQUENCY

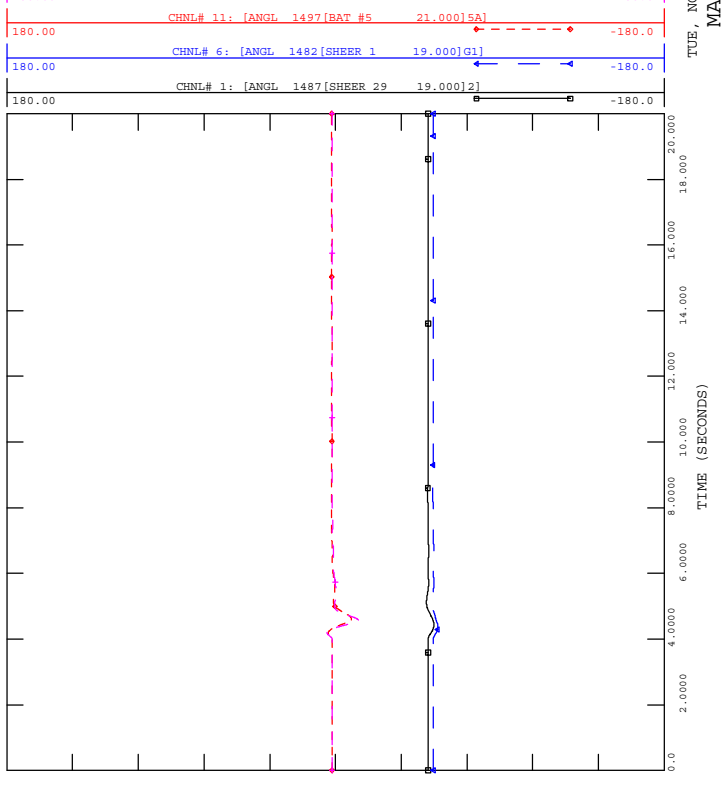


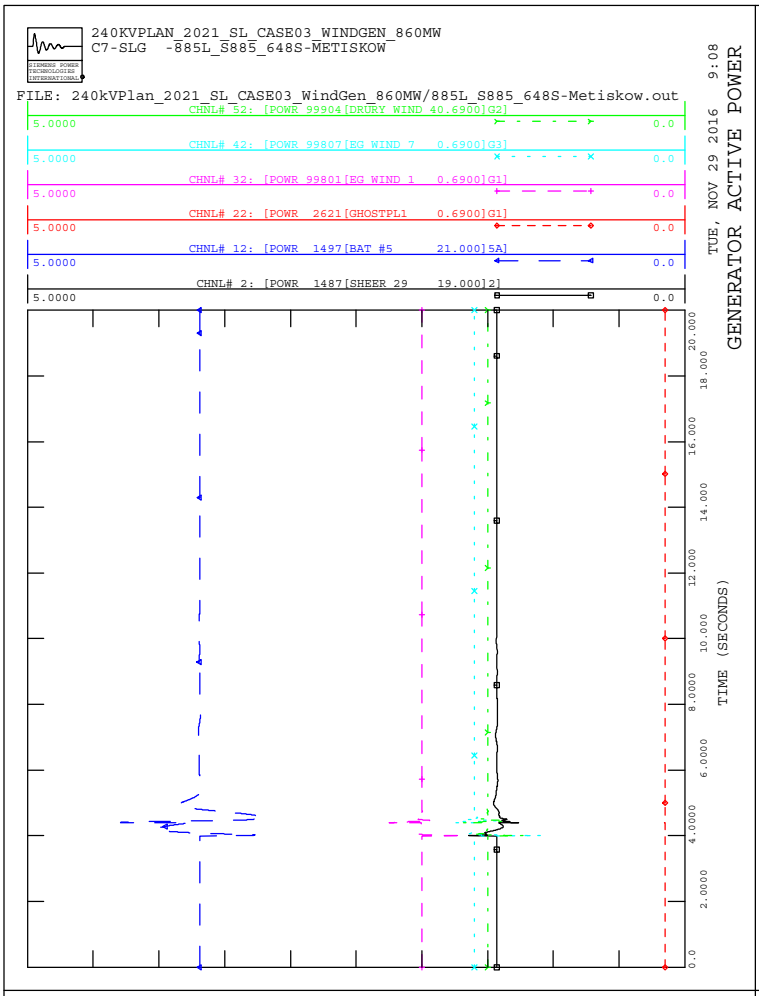
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW

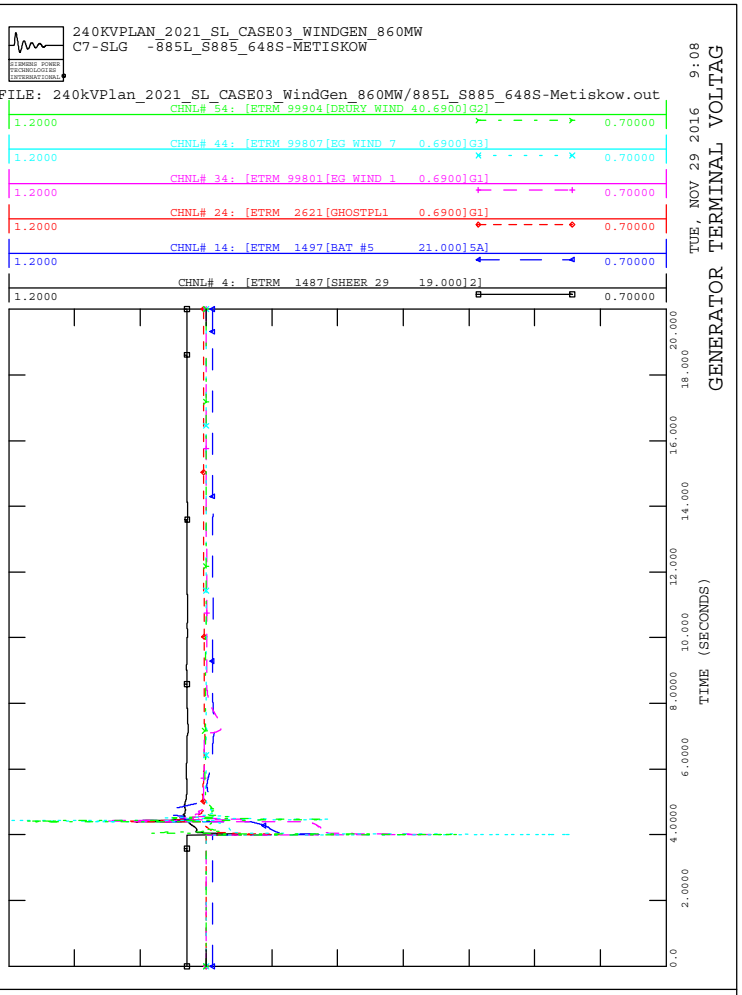
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S885_648S-Metiskow.out

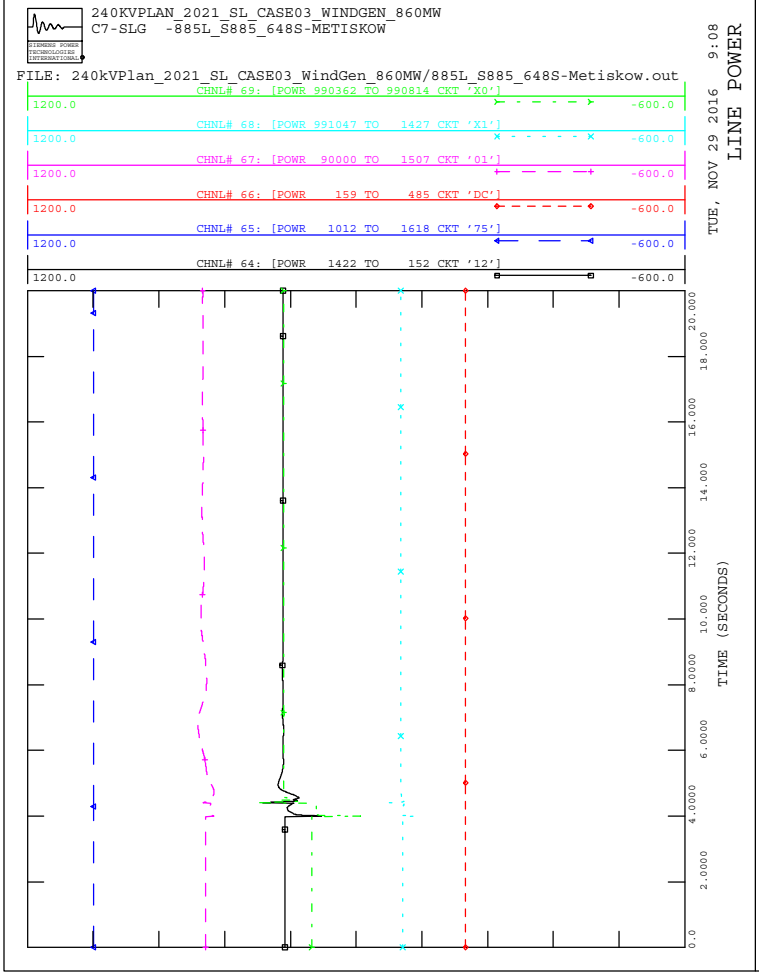
TUE, NOV 29 2016 9:08

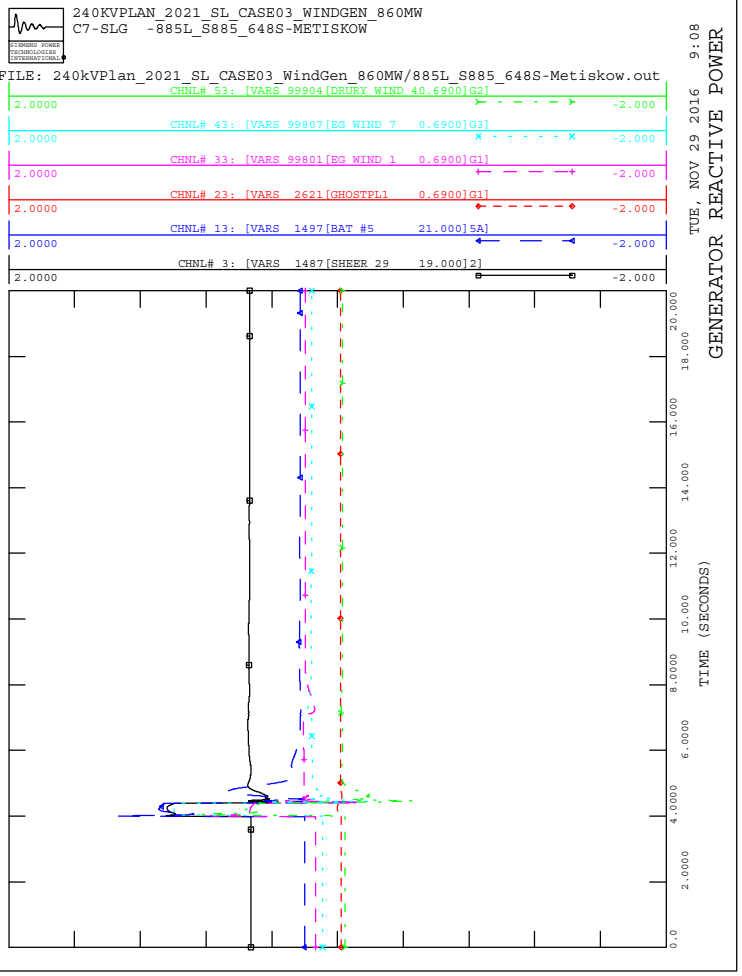
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S885_648S-Metiskow.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S885_648S-Metiskow.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S885_648S-Metiskow.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

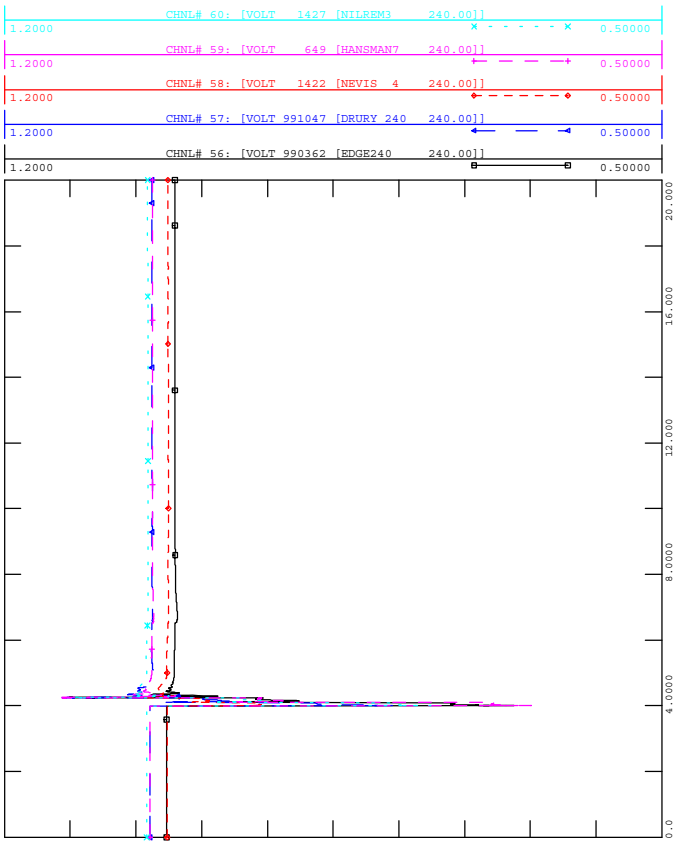

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S885_648S-Metiskow.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_S29_648S-Metiskow.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

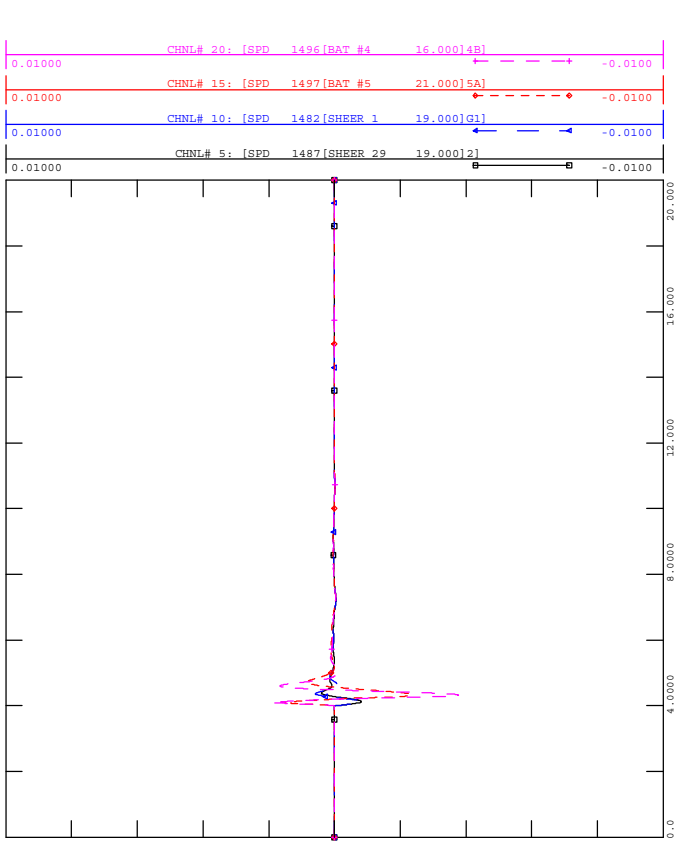


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_S29_648S-Metiskow.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

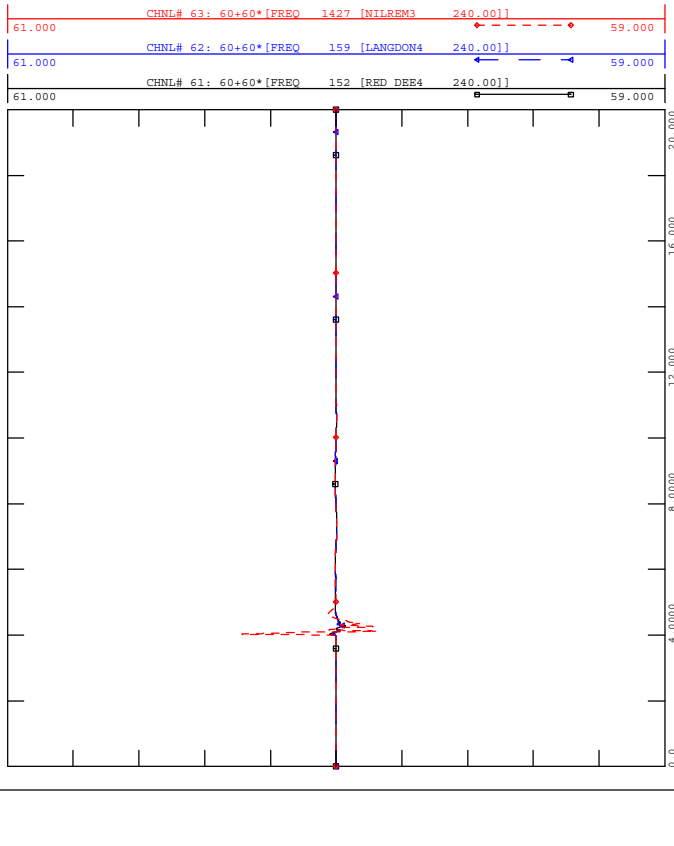


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_S29_648S-Metiskow.out

TUE, NOV 29 2016 9:08

FREQUENCY

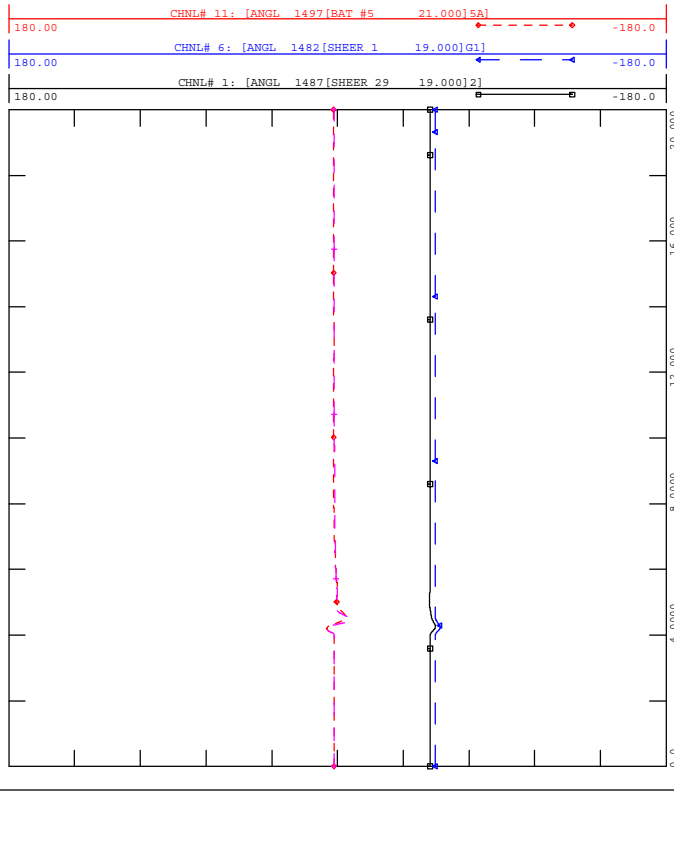


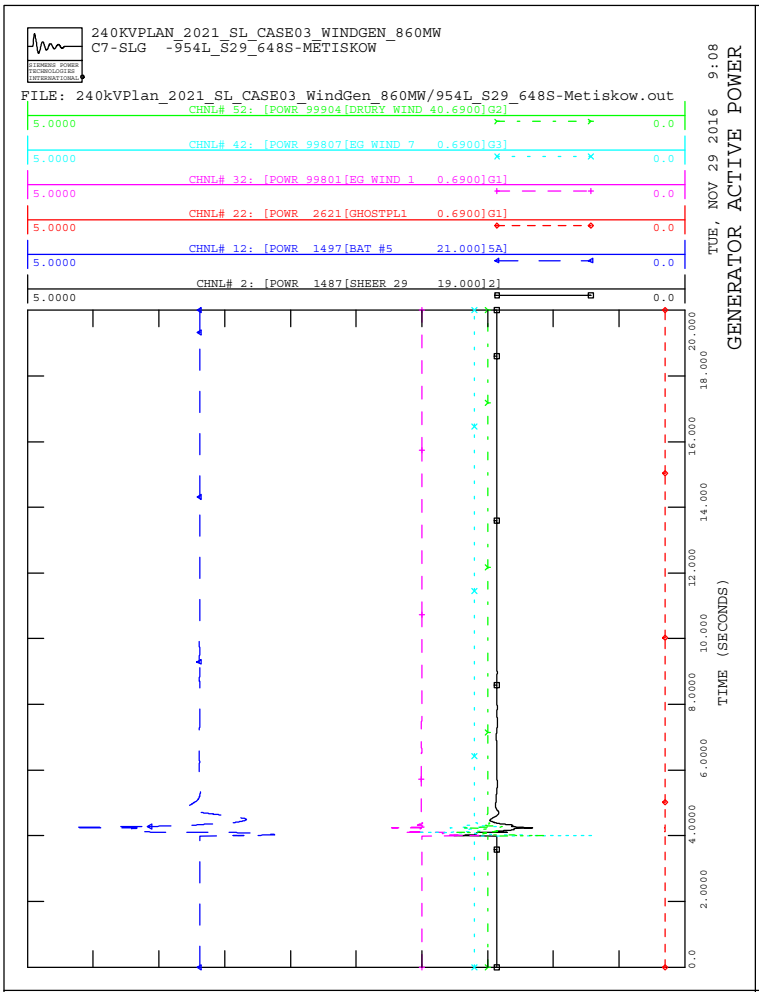
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW

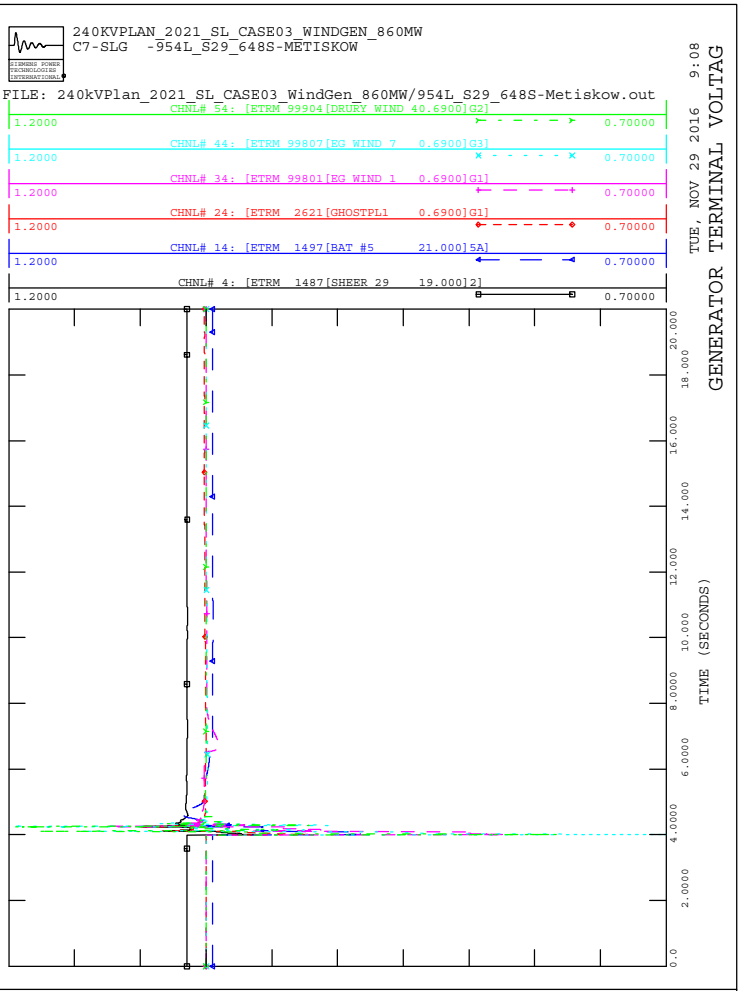
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_S29_648S-Metiskow.out

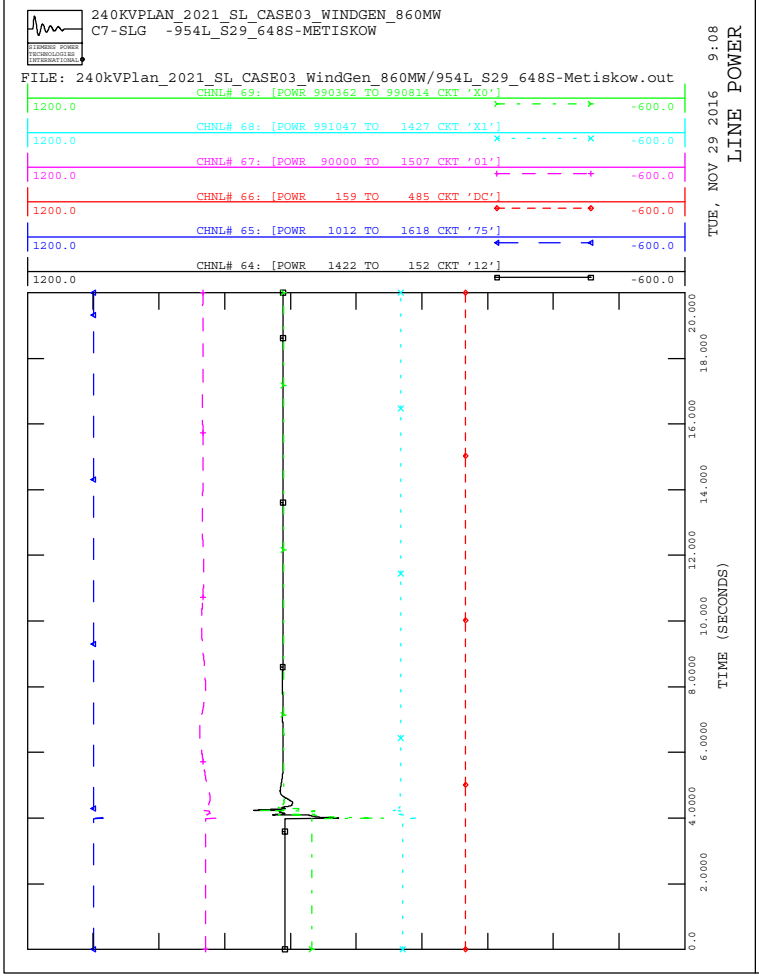
TUE, NOV 29 2016 9:08

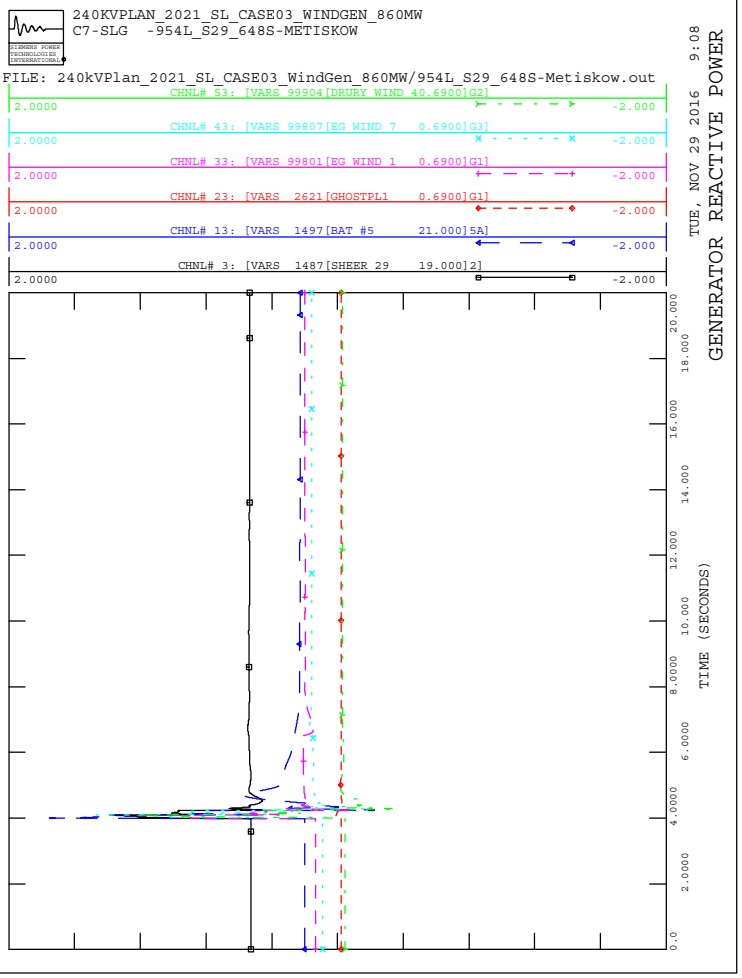
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_S29_648S-Metiskow.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_S29_648S-Metiskow.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_S29_648S-Metiskow.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

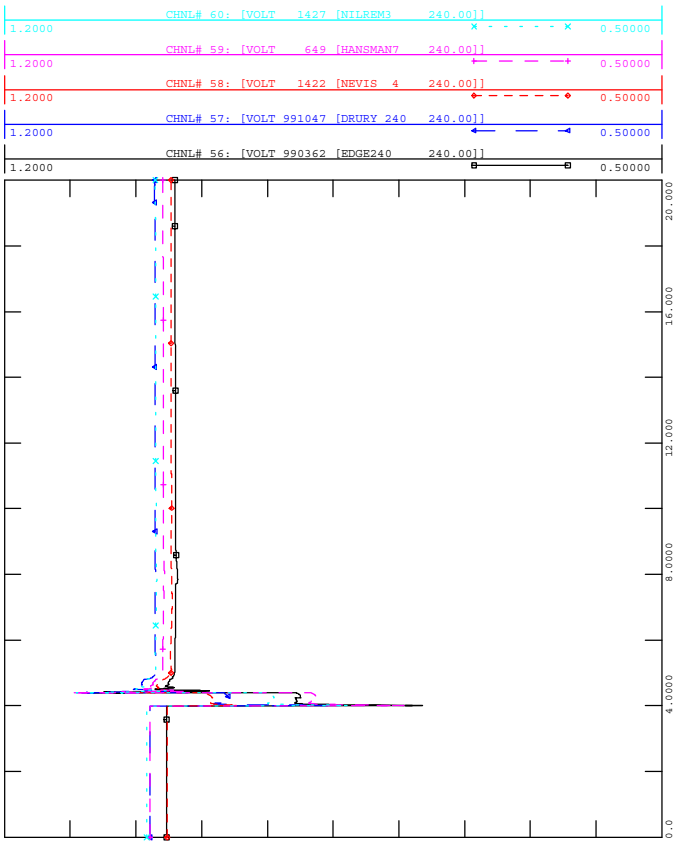

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_S29_648S-Metiskow.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/715L_S1352_650S-Hansman Lake

TUE, NOV 29 2016 9:08

BUS VOLTAGE

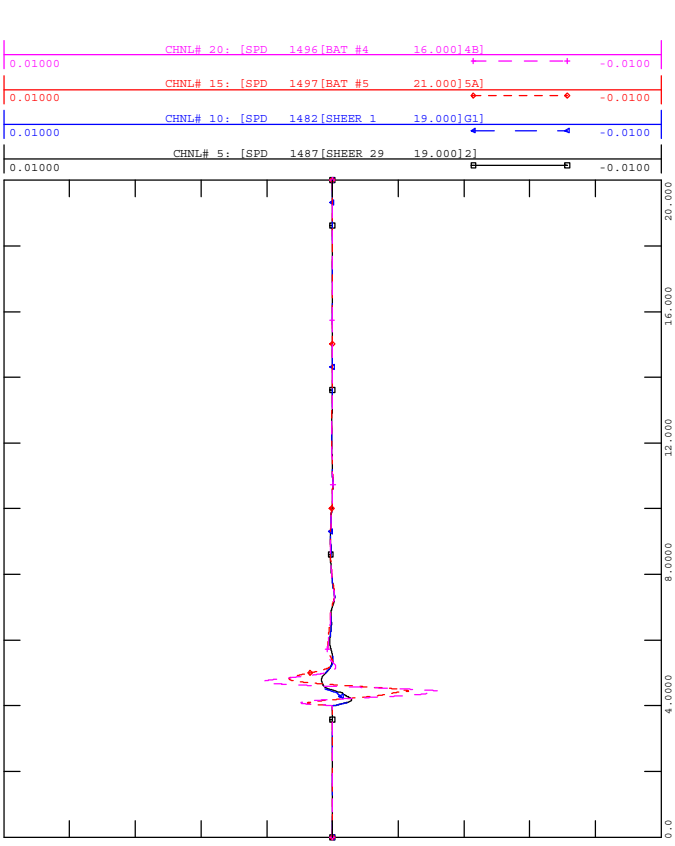


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/715L_S1352_650S-Hansman Lake

TUE, NOV 29 2016 9:08

MACHINE SPEED

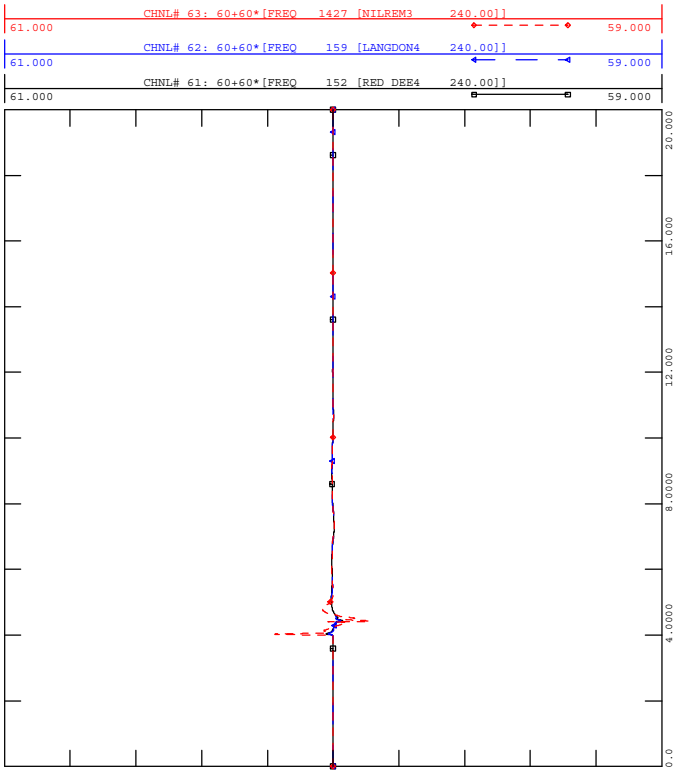


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/715L_S1352_650S-Hansman Lake

TUE, NOV 29 2016 9:08

FREQUENCY

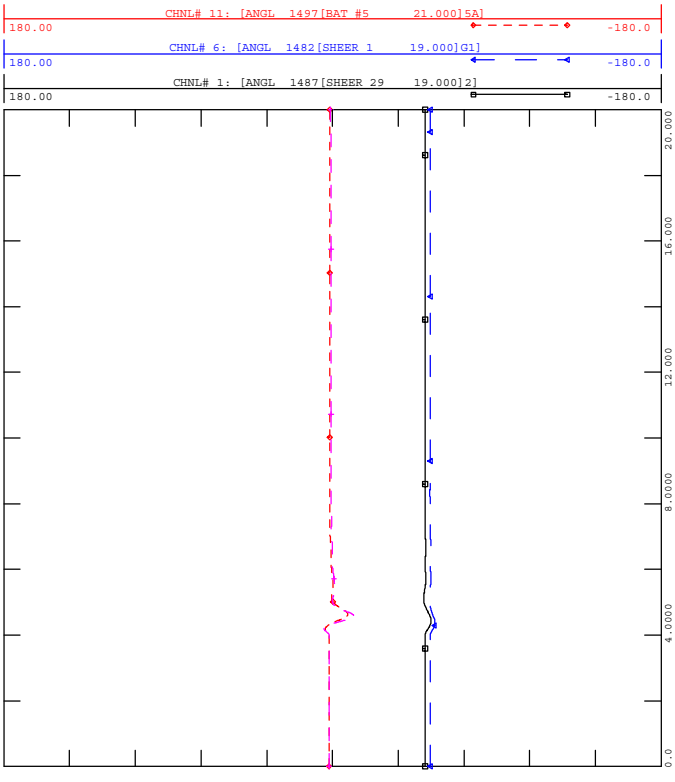


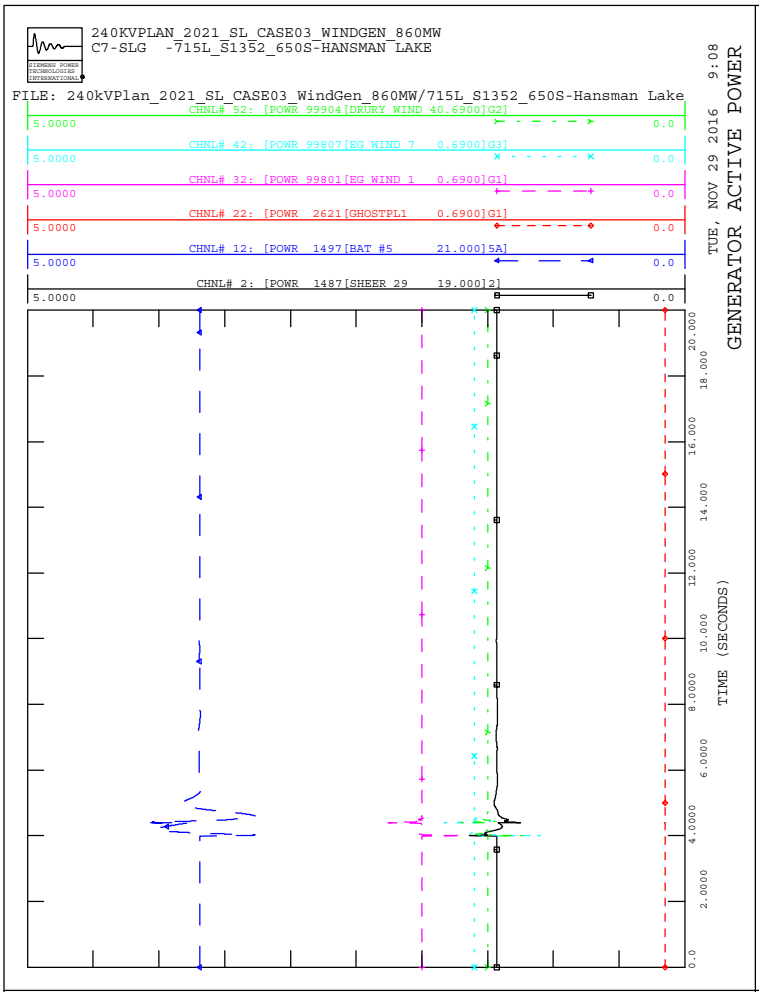
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

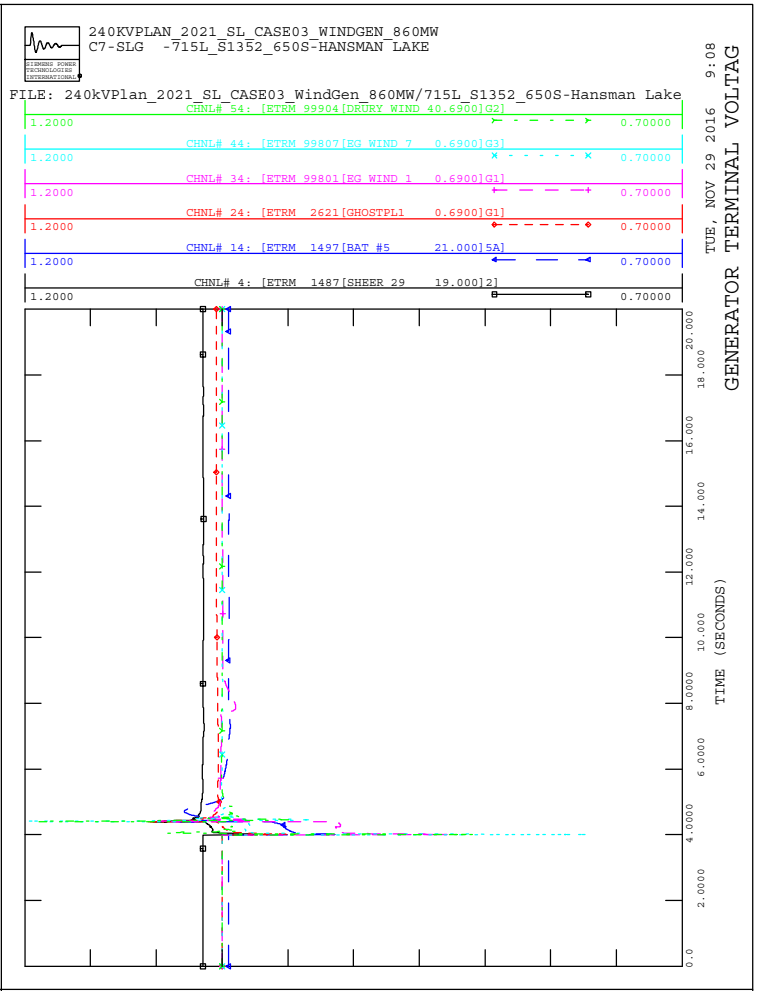
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/715L_S1352_650S-Hansman Lake

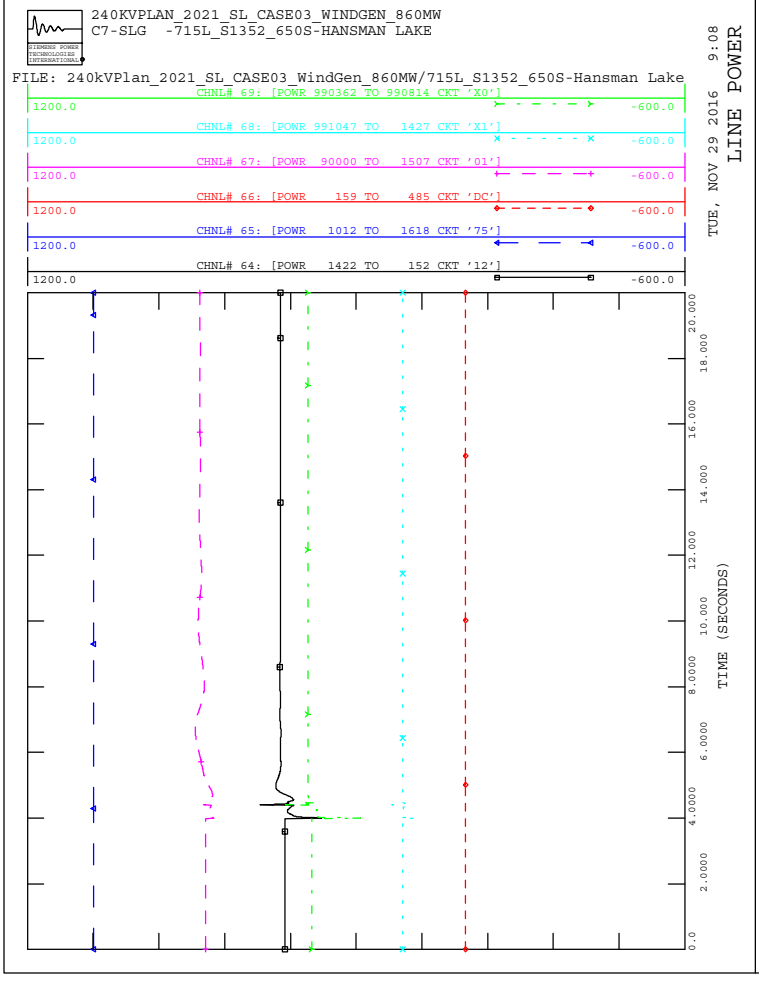
TUE, NOV 29 2016 9:08

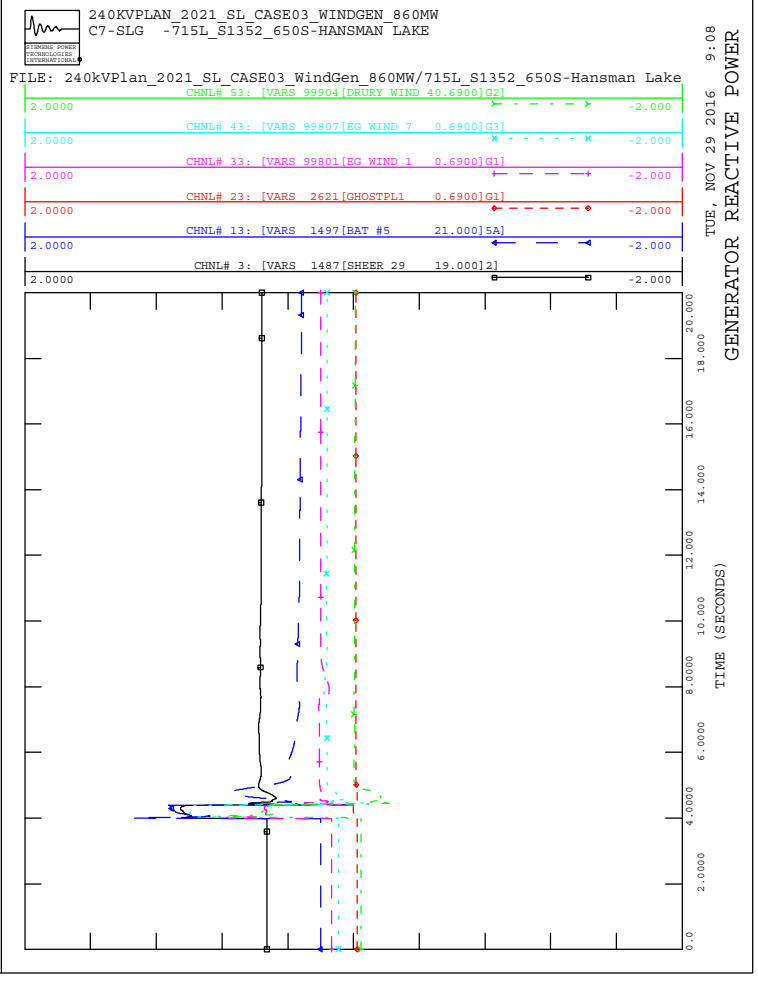
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/715L_S1352_650S-Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/715L_S1352_650S-Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/715L_S1352_650S-Hansman Lake
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/715L_S1352_650S-Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L224_S1752_650S-Hansman Lak

TUE, NOV 29 2016 9:08

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 0.50000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L224_S1752_650S-Hansman Lak

TUE, NOV 29 2016 9:08

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L224_S1752_650S-Hansman Lak

TUE, NOV 29 2016 9:08

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L224_S1752_650S-Hansman Lak

TUE, NOV 29 2016 9:08

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

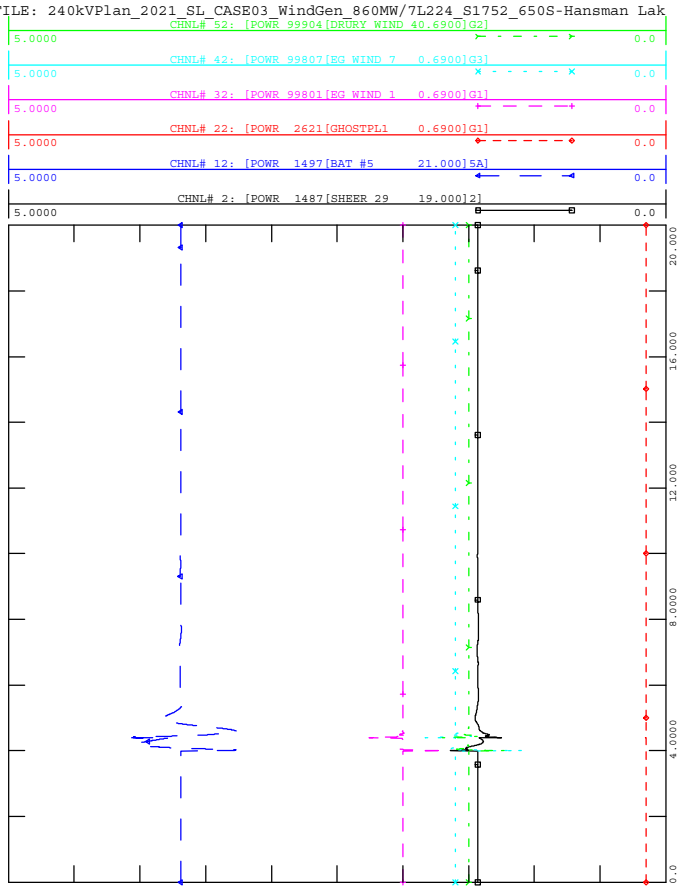
180.00 -180.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L224_S1752_650S-Hansman Lak

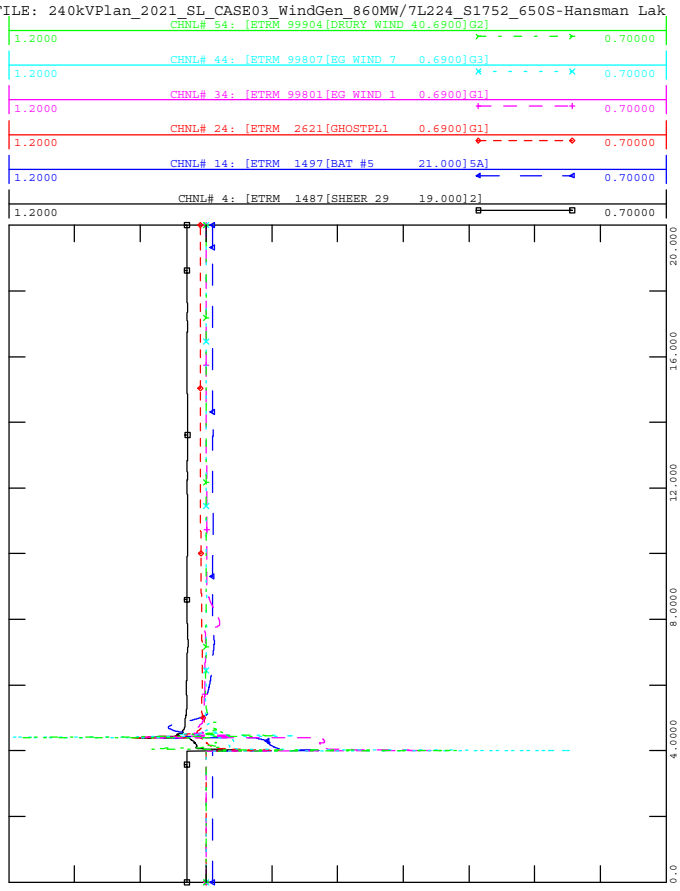


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L224_S1752_650S-Hansman Lak

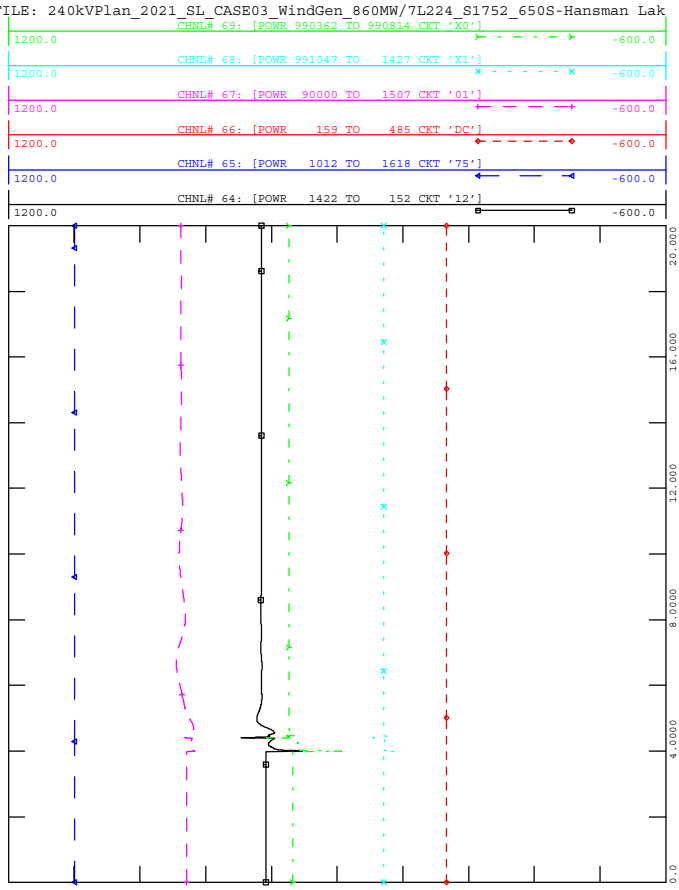


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L224_S1752_650S-Hansman Lak

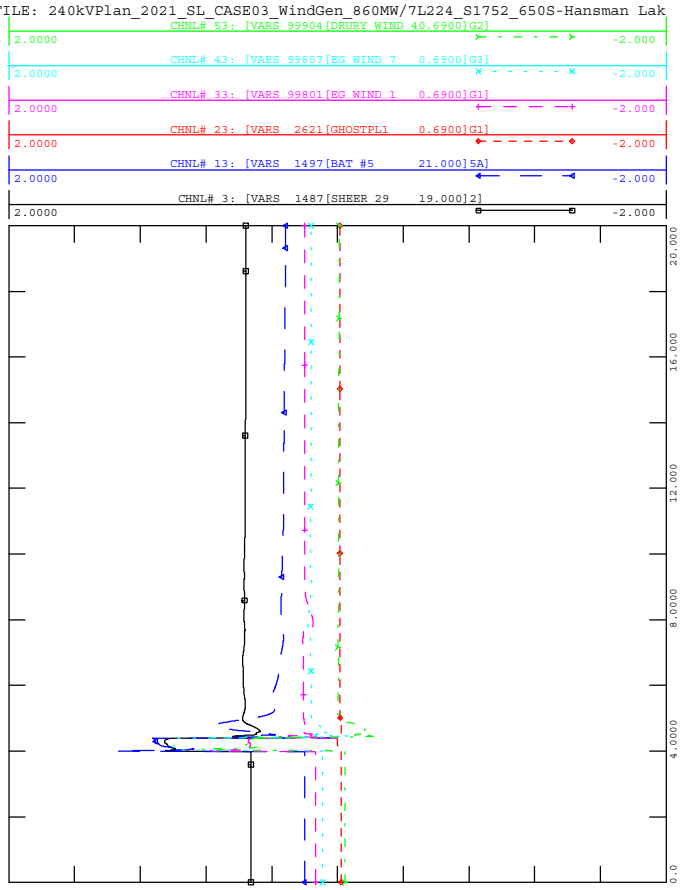


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L224_S1752_650S-Hansman Lak



TUE, NOV 29 2016 9:08

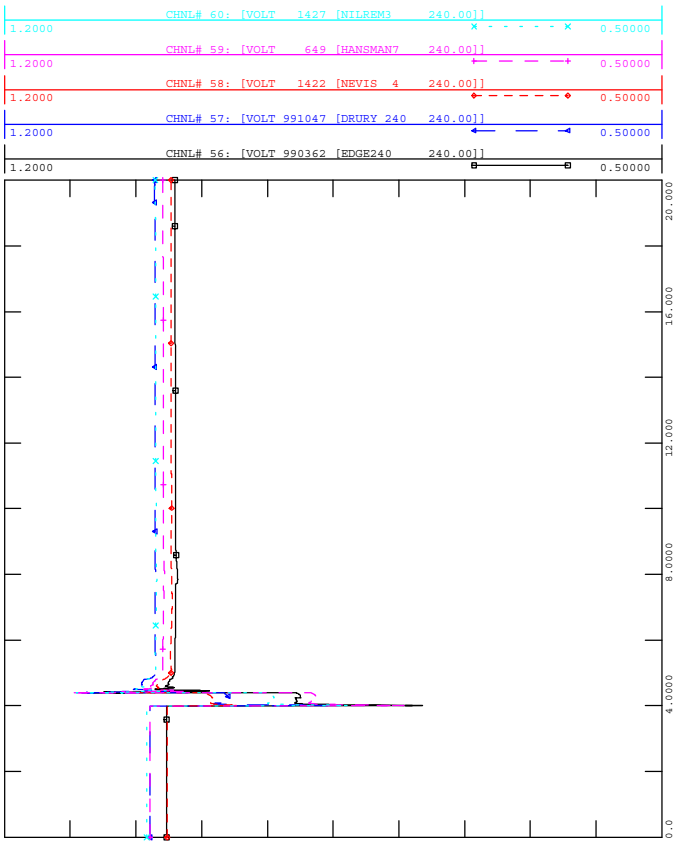
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S1752_650S-Hansman Lake

TUE, NOV 29 2016 9:08

BUS VOLTAGE

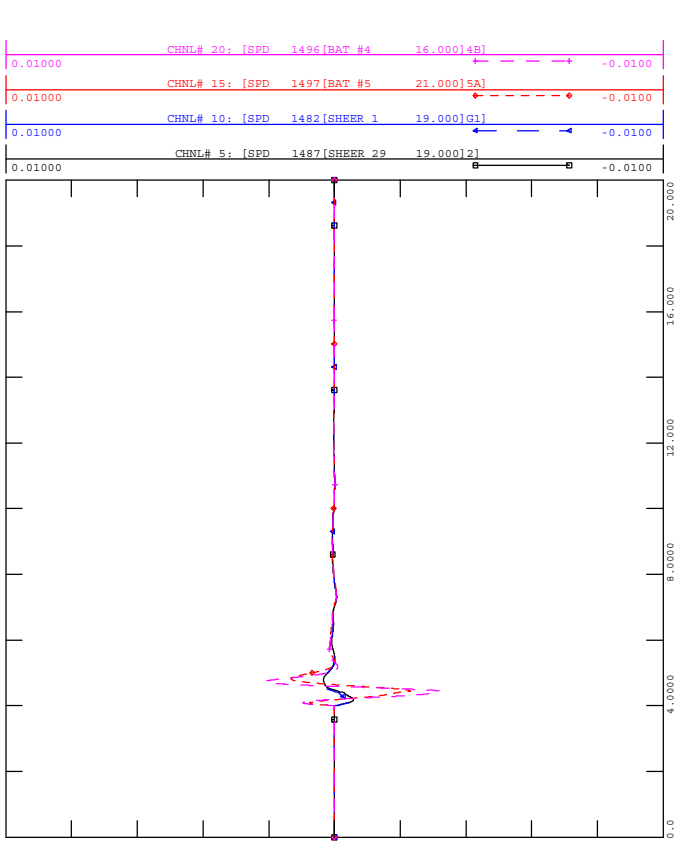


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S1752_650S-Hansman Lake

TUE, NOV 29 2016 9:08

MACHINE SPEED

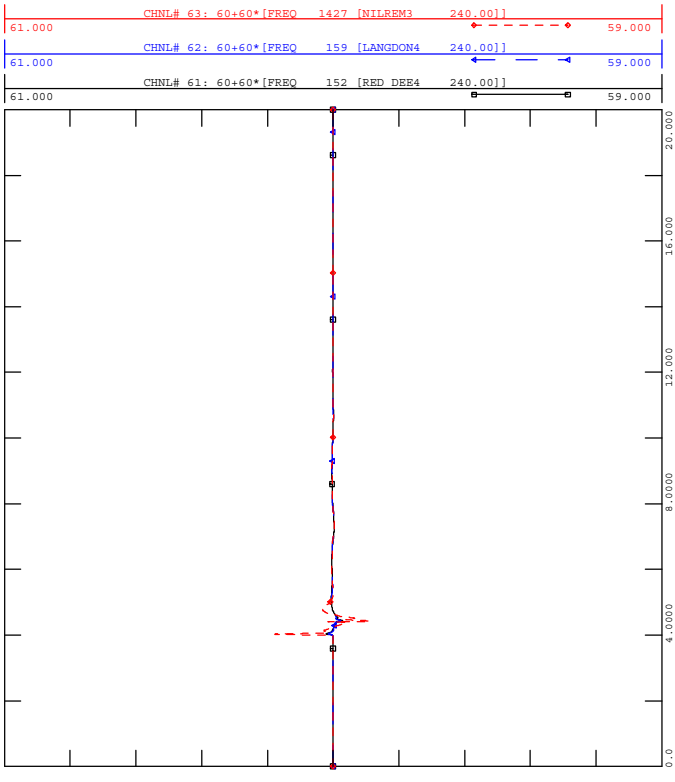


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S1752_650S-Hansman Lake

TUE, NOV 29 2016 9:08

FREQUENCY

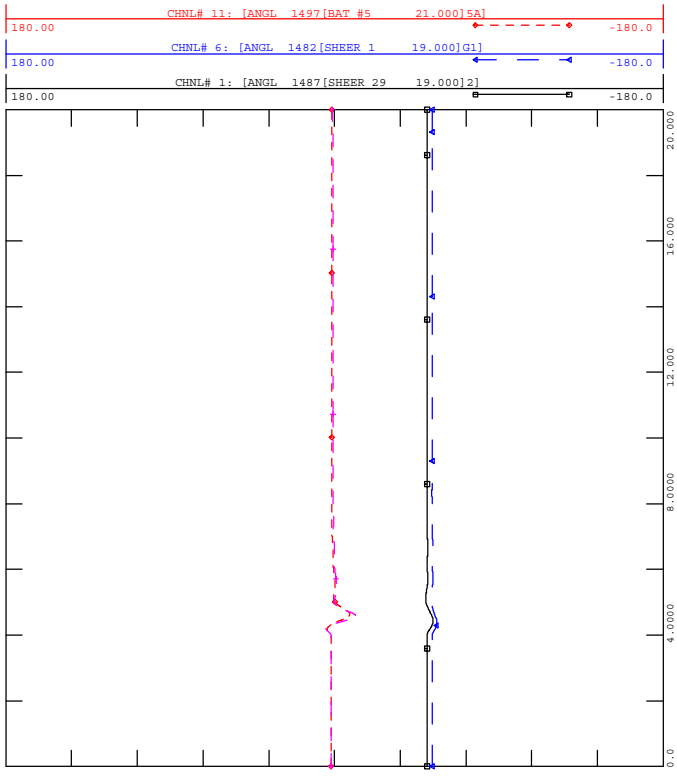


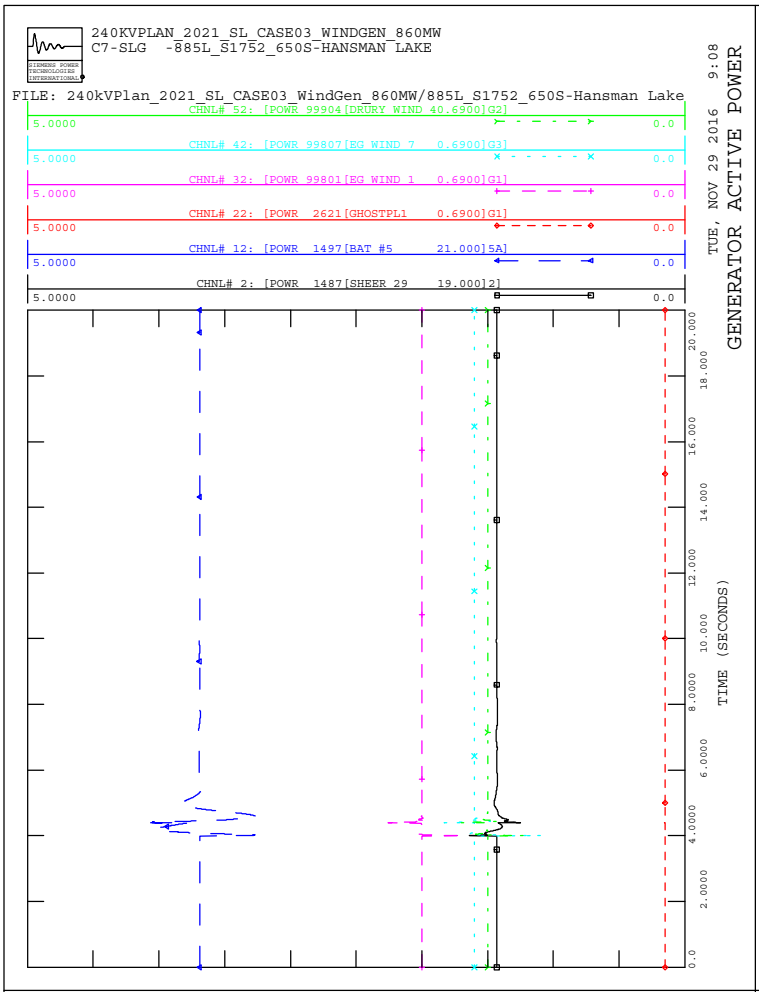
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

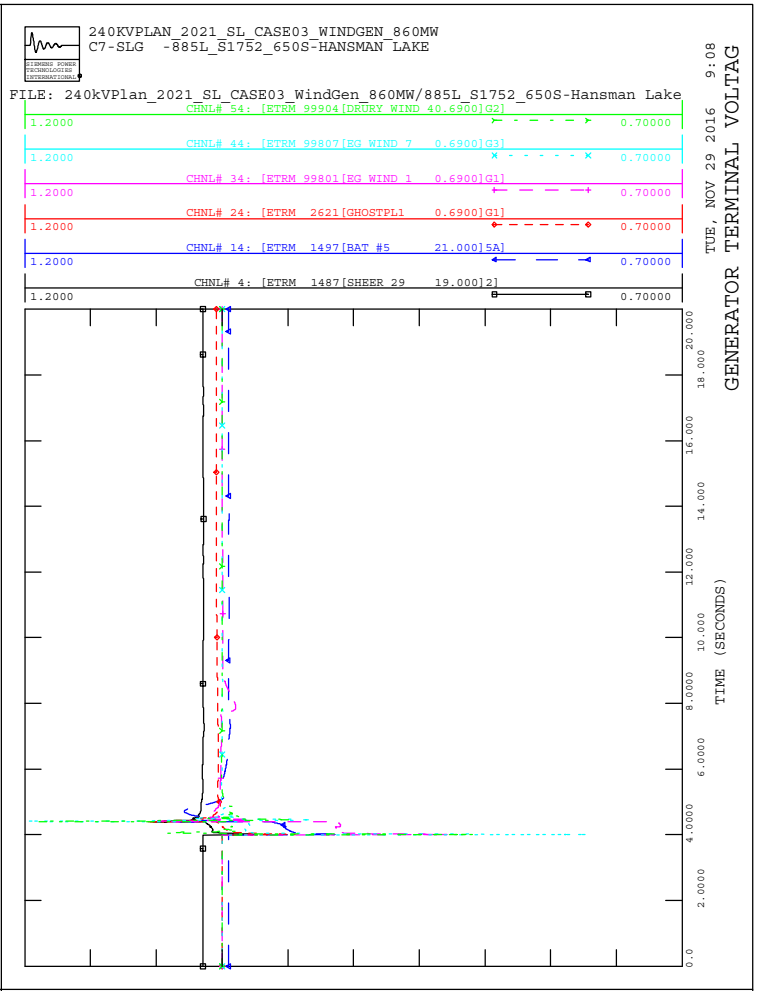
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S1752_650S-Hansman Lake

TUE, NOV 29 2016 9:08

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S1752_650S-Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S1752_650S-Hansman Lake
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CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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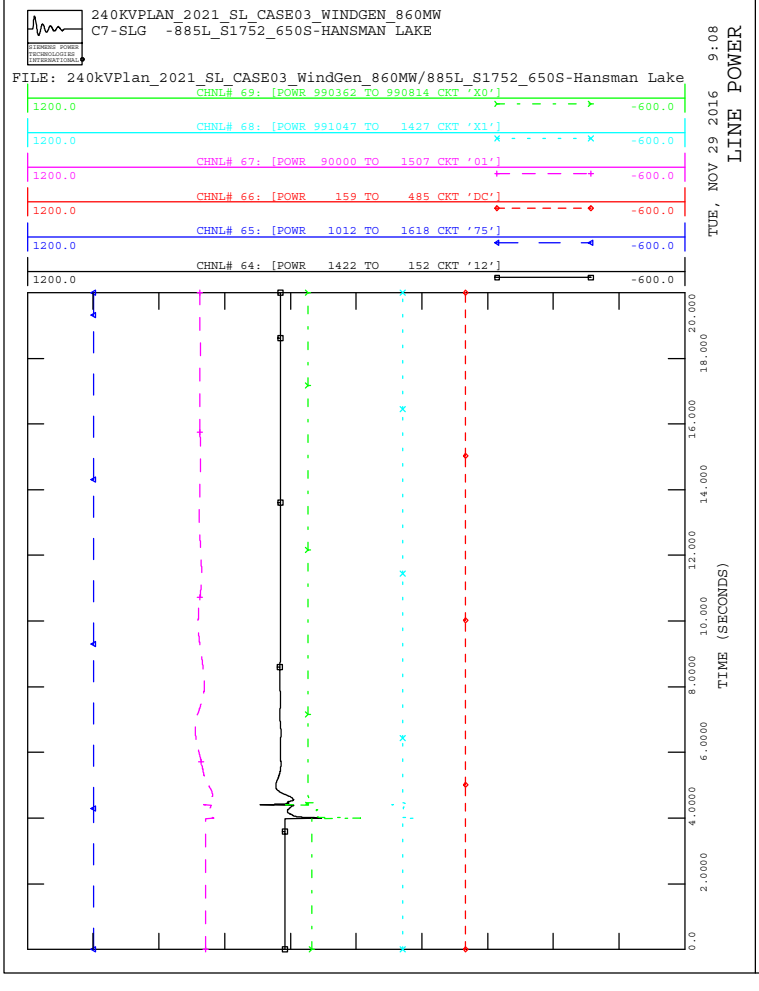
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/885L_S1752_650S-Hansman Lake
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
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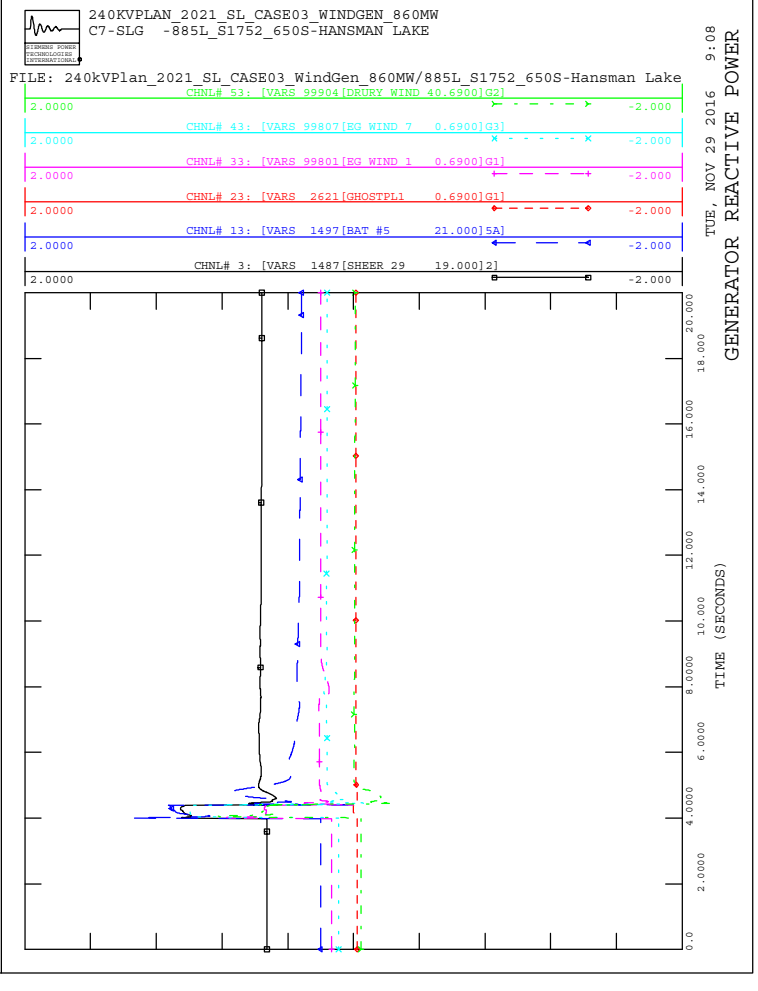
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)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C7-SLG -885L_S1752_650S-HANSMAN LAKE
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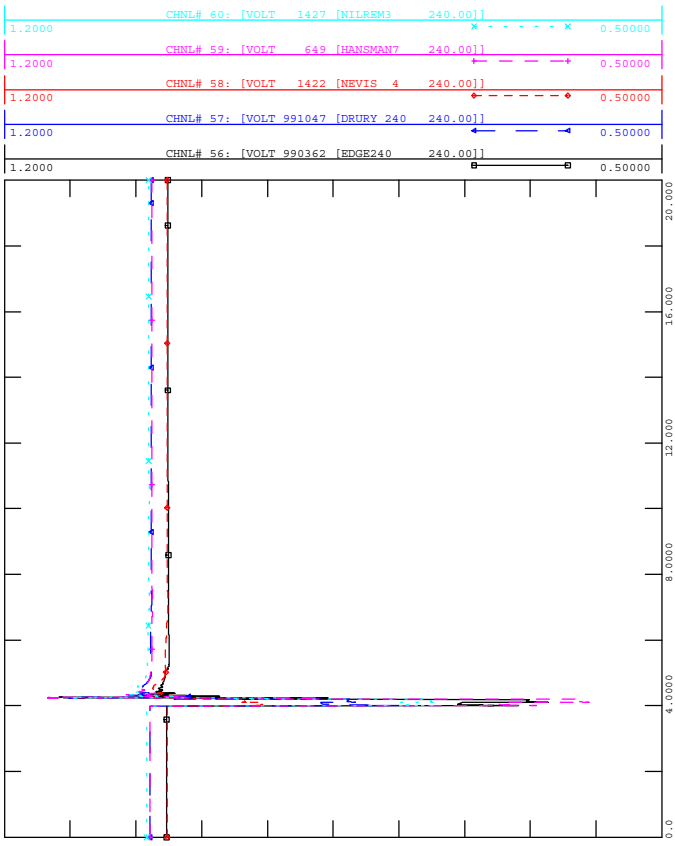
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L_S852_650S-Hansman Lake.

TUE, NOV 29 2016 9:08

BUS VOLTAGE

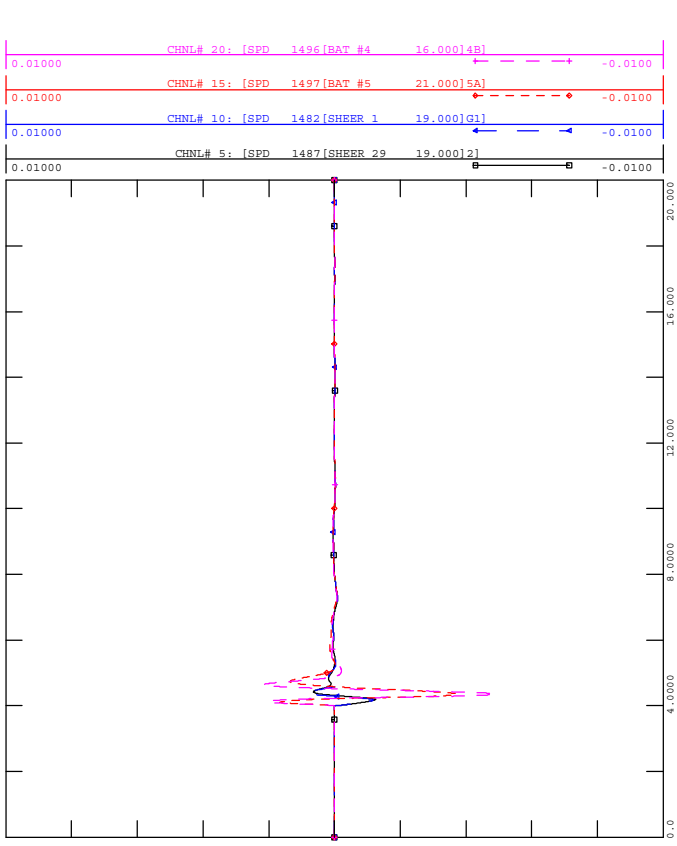


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L_S852_650S-Hansman Lake.

TUE, NOV 29 2016 9:08

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L_S852_650S-Hansman Lake.

TUE, NOV 29 2016 9:08

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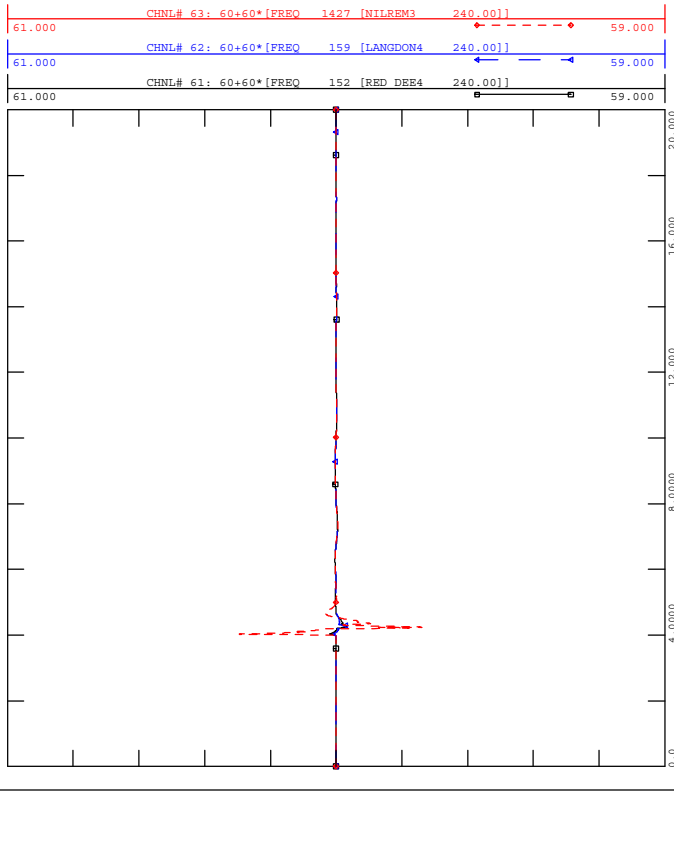
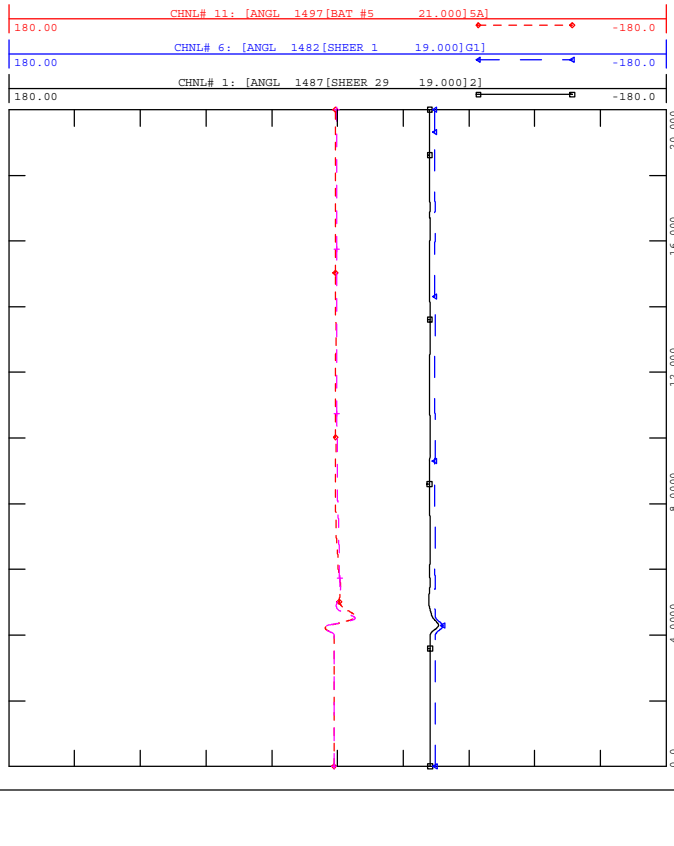


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L_S852_650S-Hansman Lake.

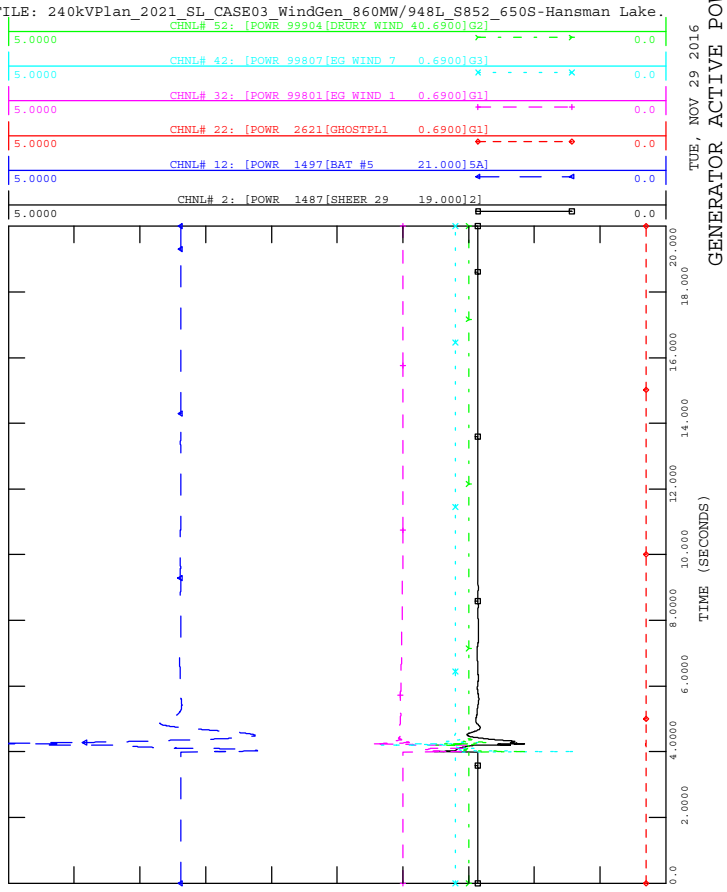
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L_S852_650S-Hansman Lake.

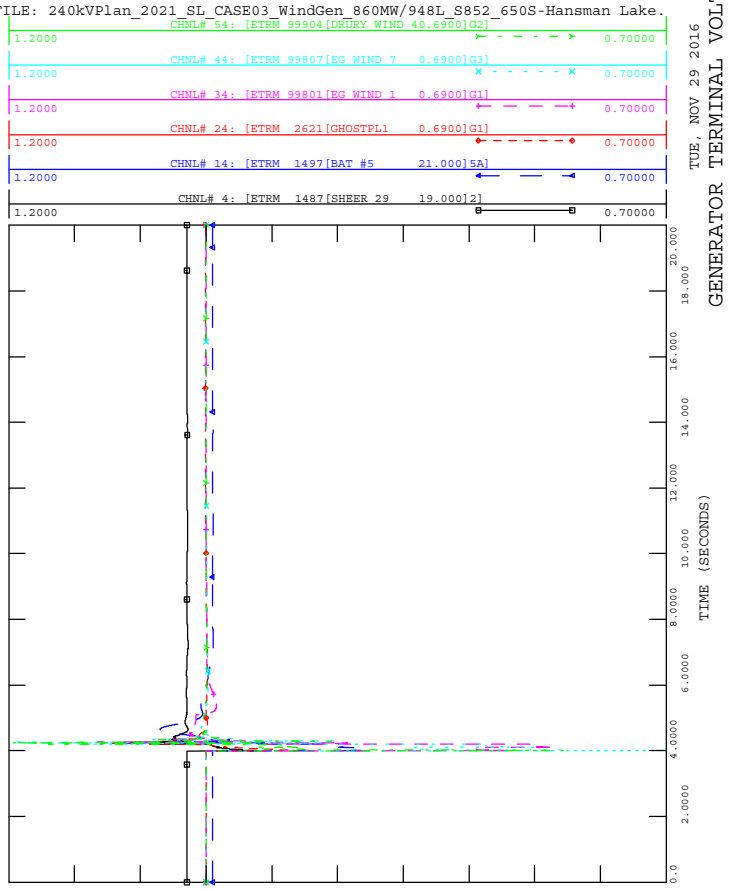


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L_S852_650S-Hansman Lake.

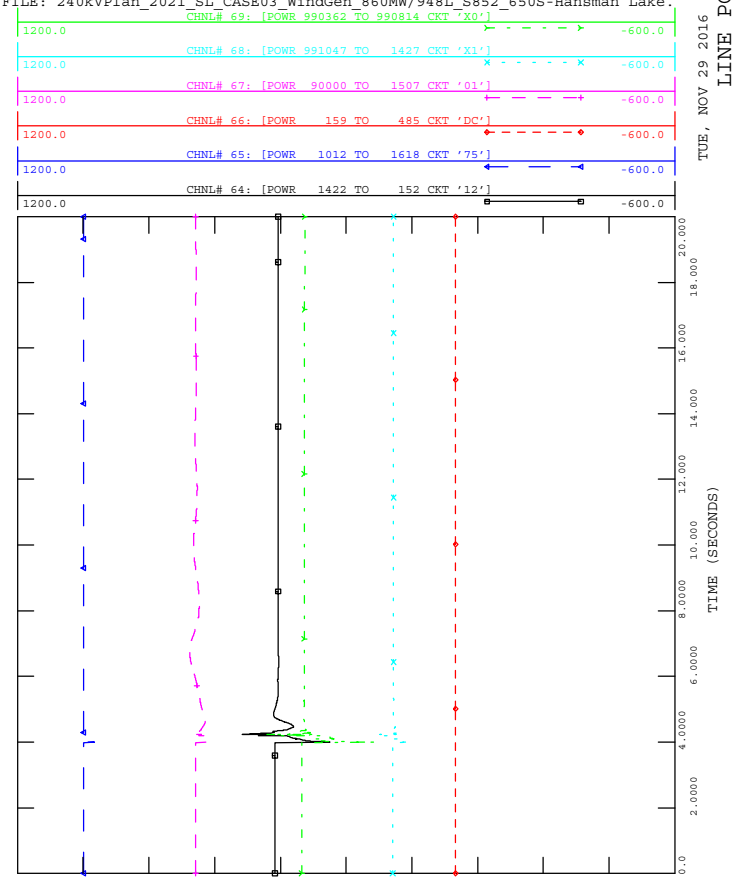


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L_S852_650S-Hansman Lake.

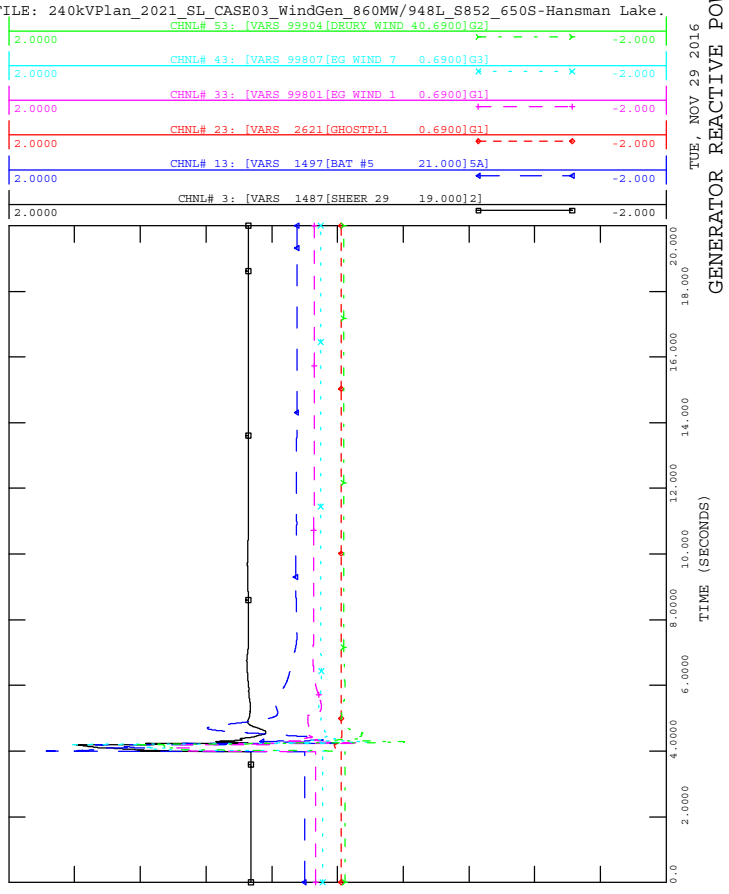


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/948L_S852_650S-Hansman Lake.



TUE, NOV 29 2016 9:08

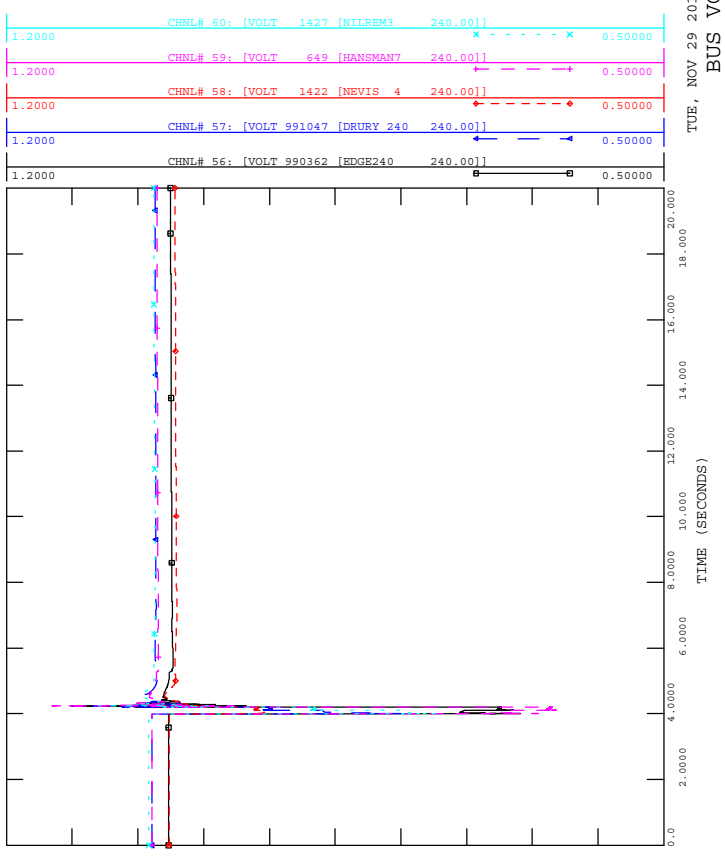
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_S552_650S-Hansman Lake

TUE, NOV 29 2016 9:08

BUS VOLTAGE

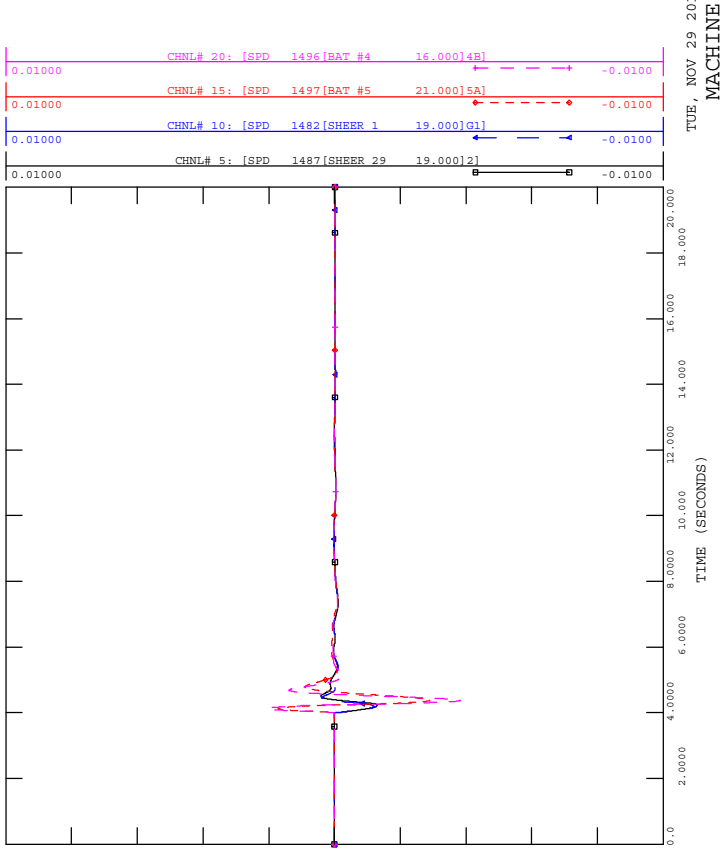


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_S552_650S-Hansman Lake

TUE, NOV 29 2016 9:08

MACHINE SPEED

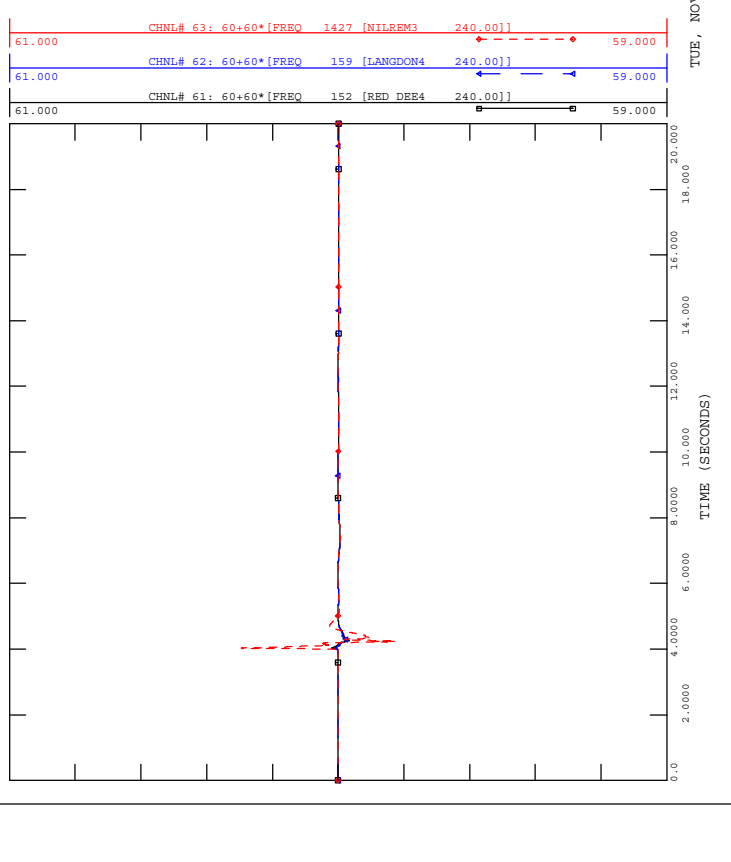


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_S552_650S-Hansman Lake

TUE, NOV 29 2016 9:08

FREQUENCY

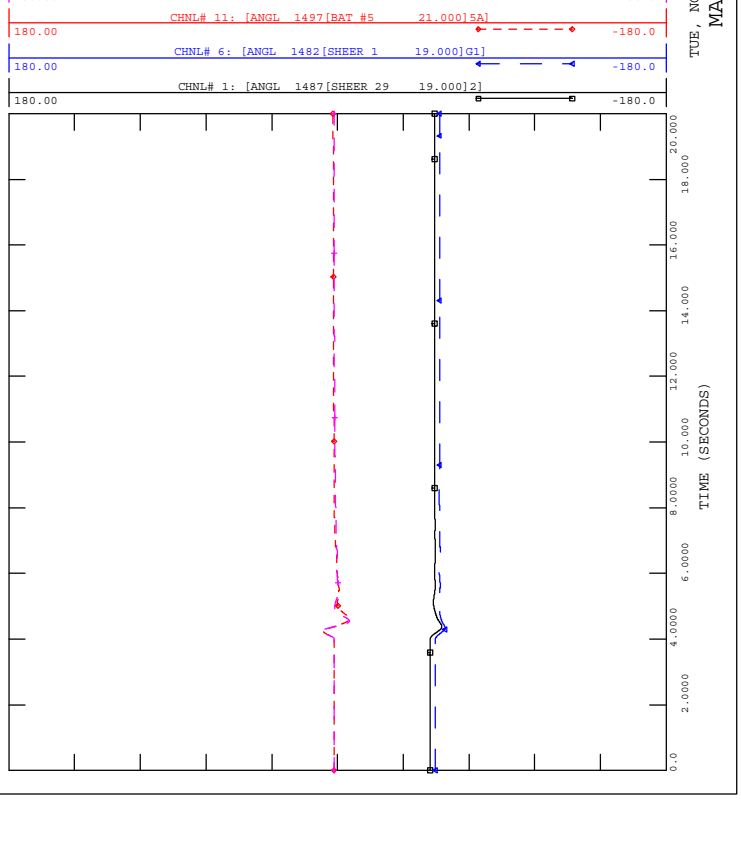


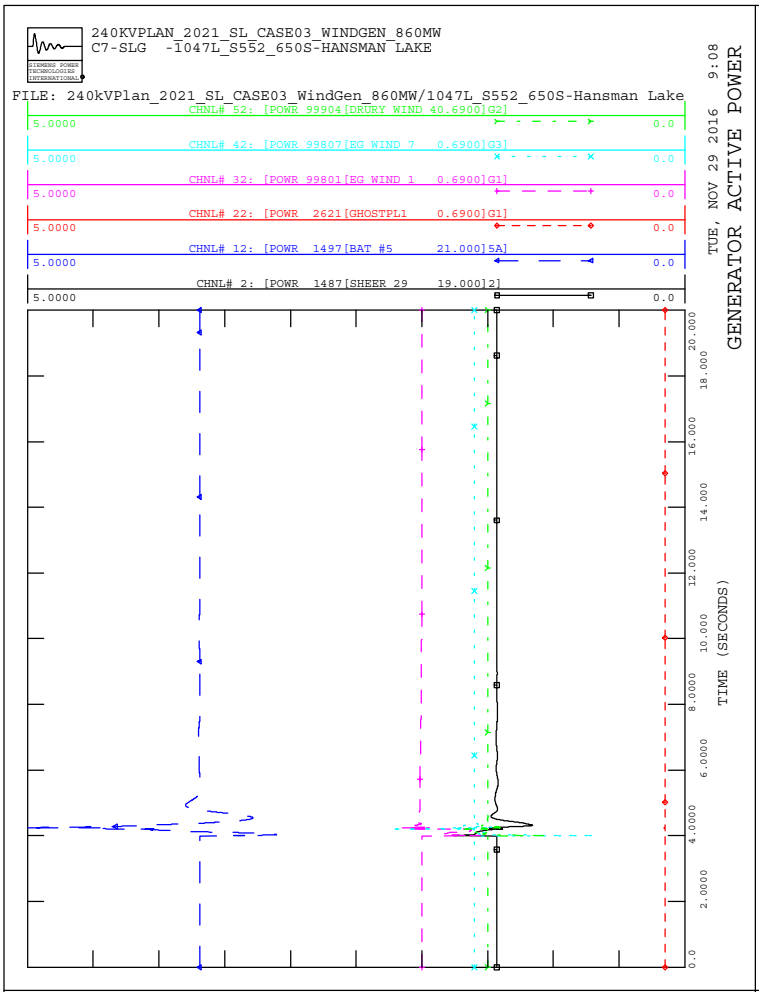
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_S552_650S-Hansman Lake

TUE, NOV 29 2016 9:08

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
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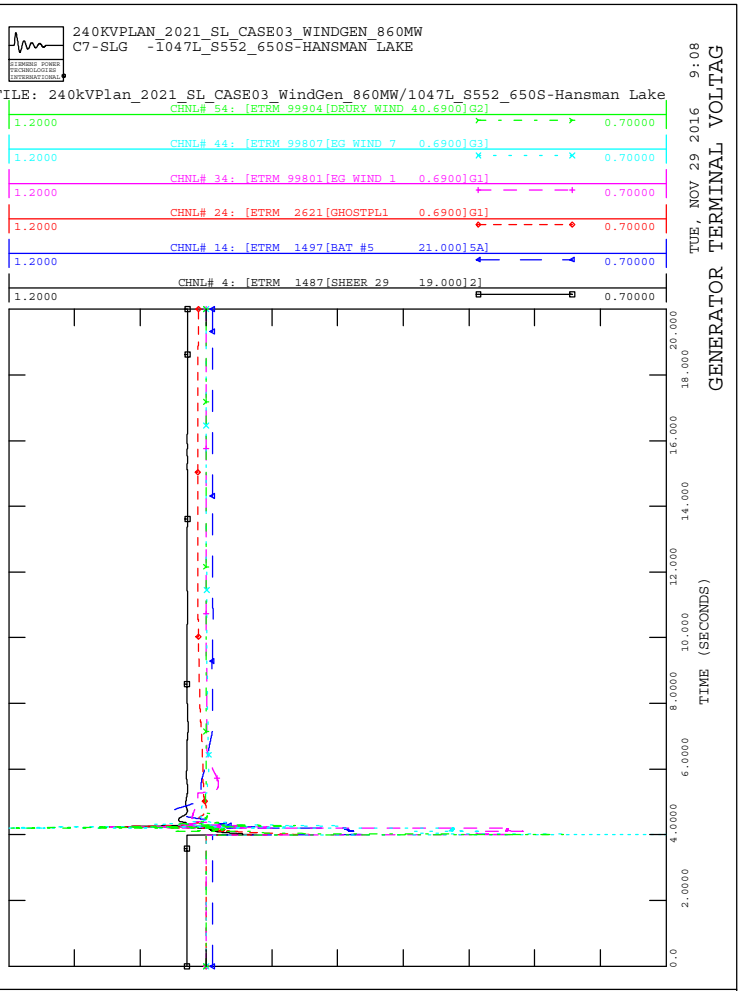
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
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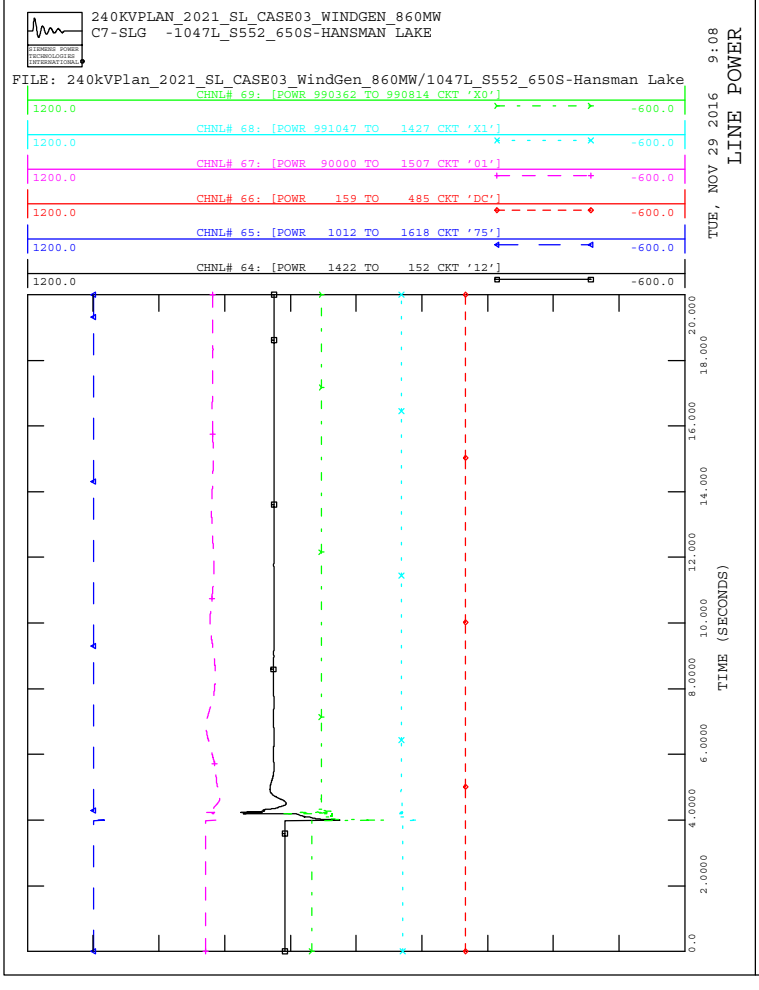
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)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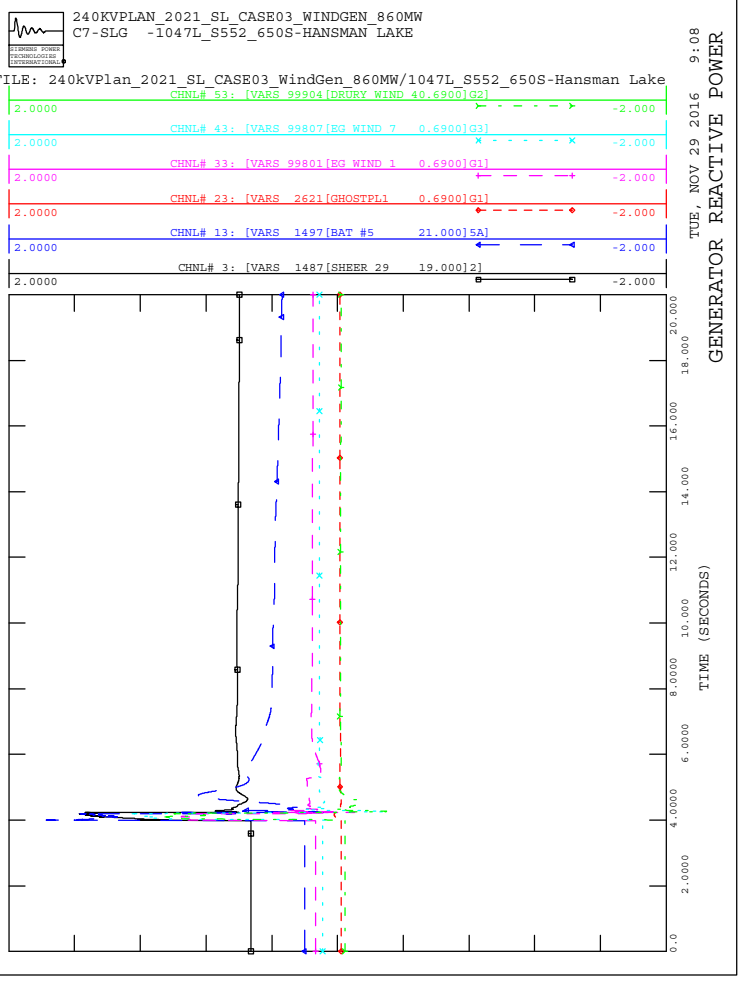
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)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C7-SLG -1047L_S552_650S-HANSMAN LAKE
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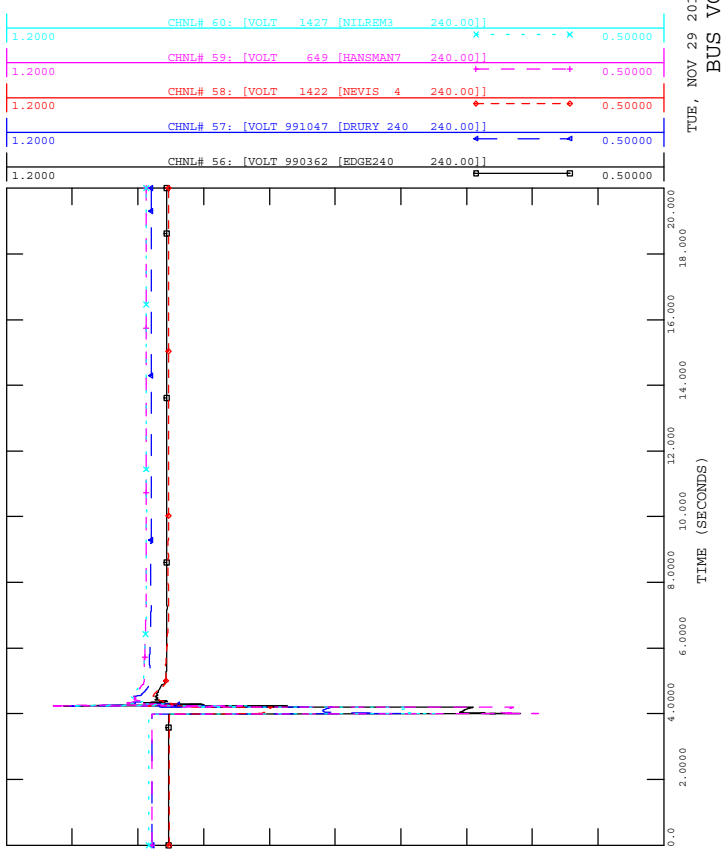
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_S752_650S-Hansman Lake.

TUE, NOV 29 2016 9:08

BUS VOLTAGE



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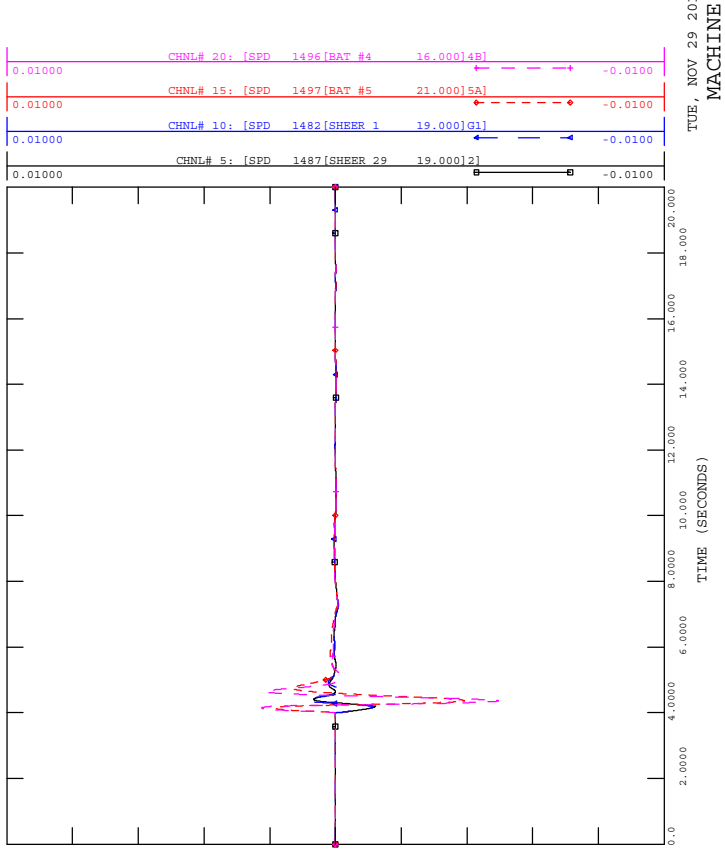
TUE, NOV 29 2016 9:08

MACHINE SPEED



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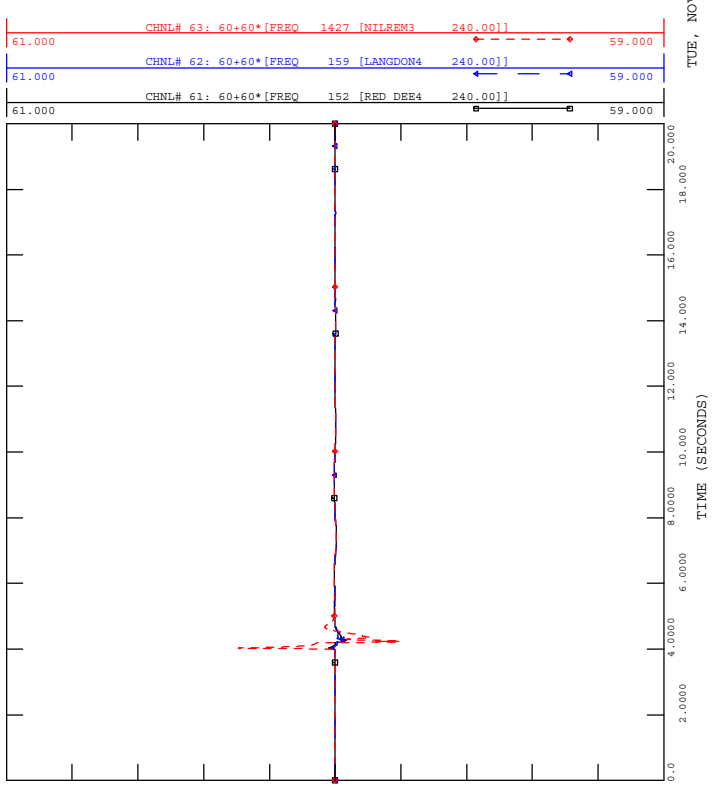
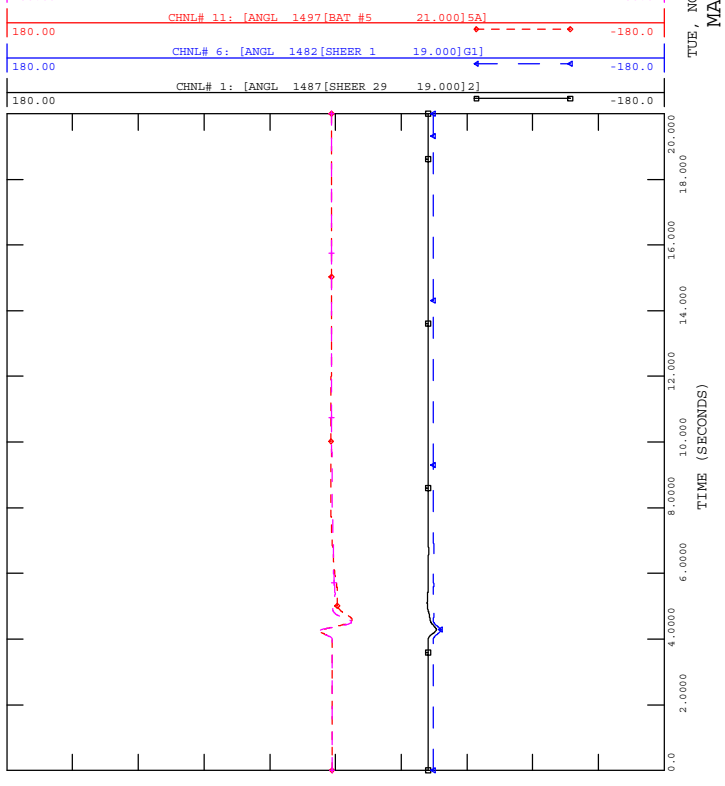


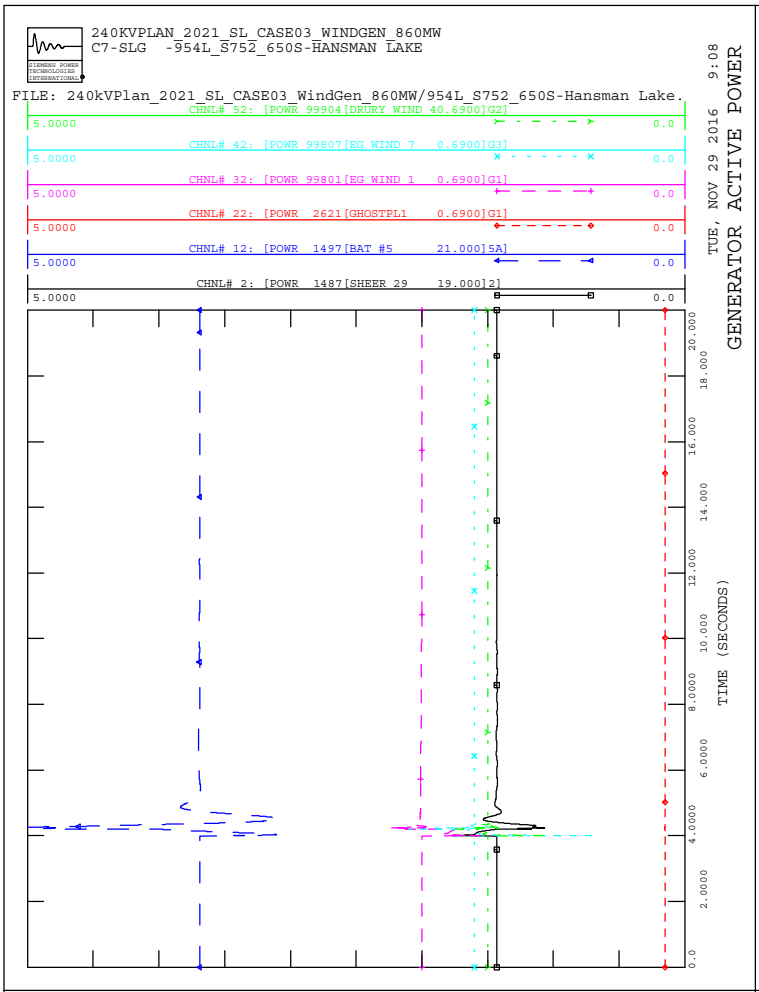
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_S752_650S-Hansman Lake.

TUE, NOV 29 2016 9:08

MACHINE ANGEL

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C7-SLG -954L_S752_650S-HANSMAN LAKE
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CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
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TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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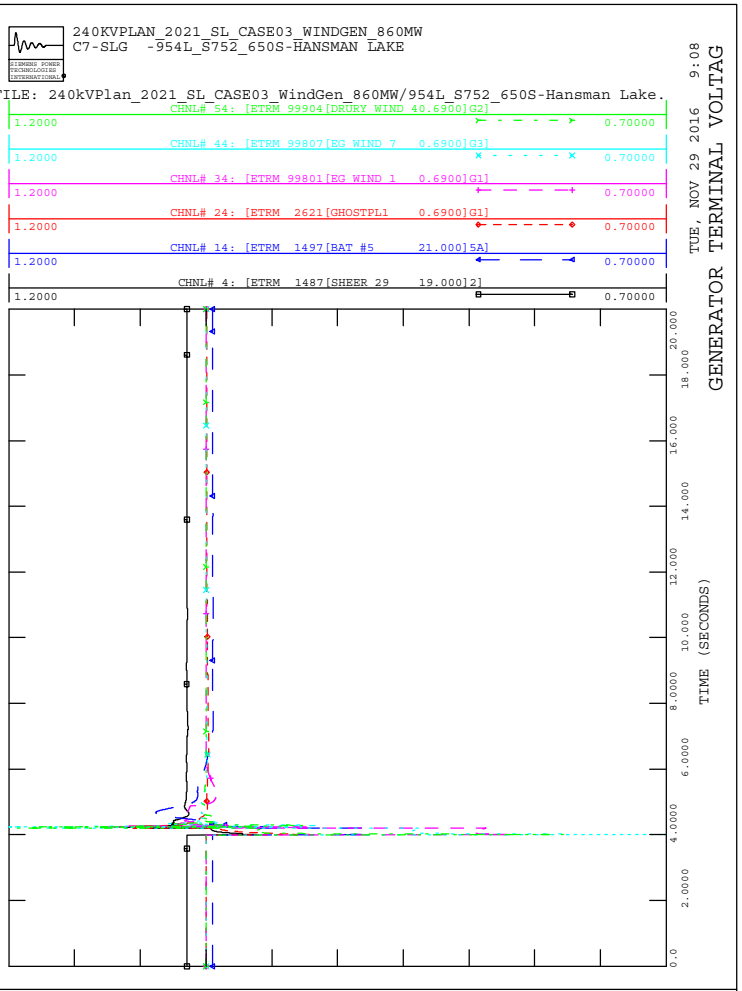
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000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C7-SLG -954L_S752_650S-HANSMAN LAKE
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CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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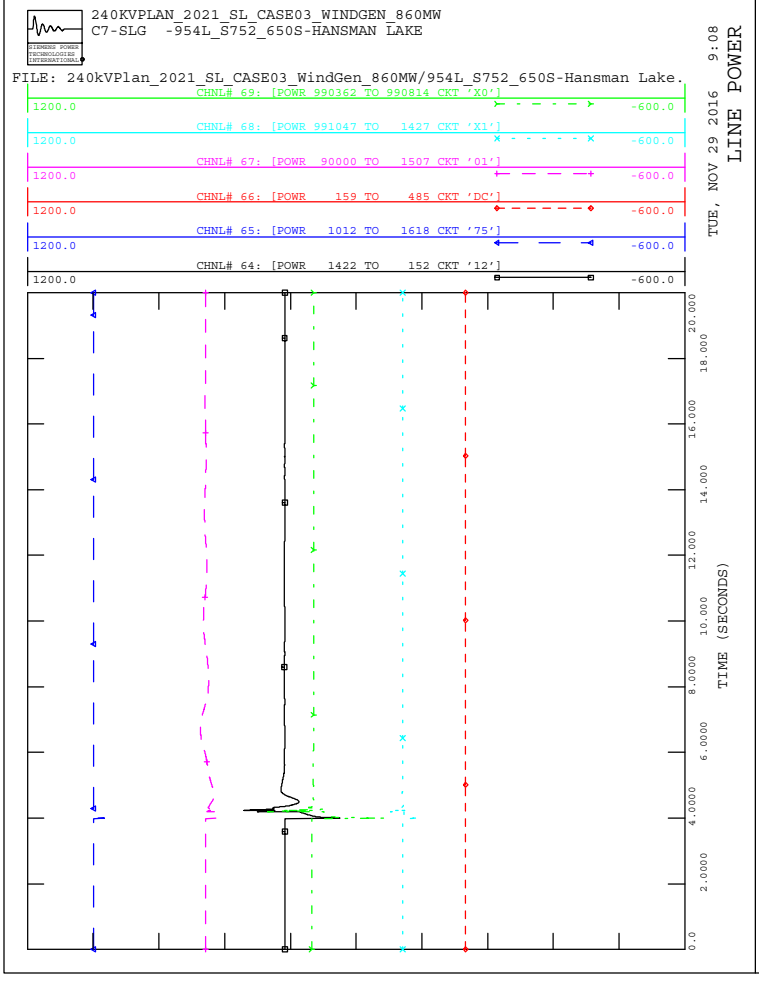
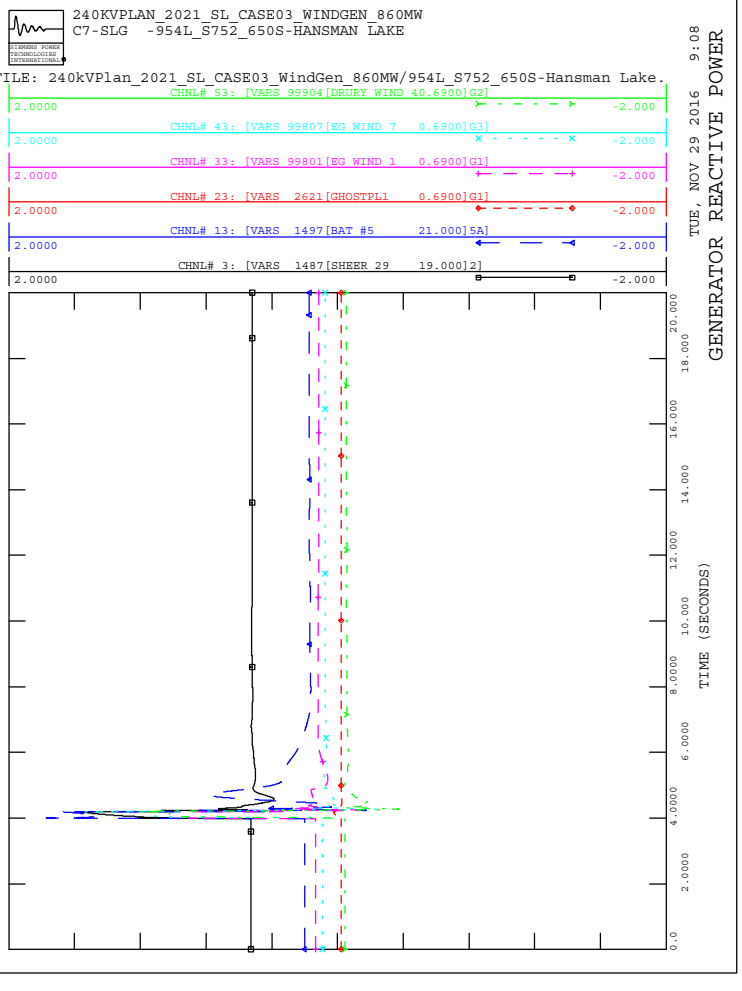
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -954L_S752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_S752_650S-Hansman Lake.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

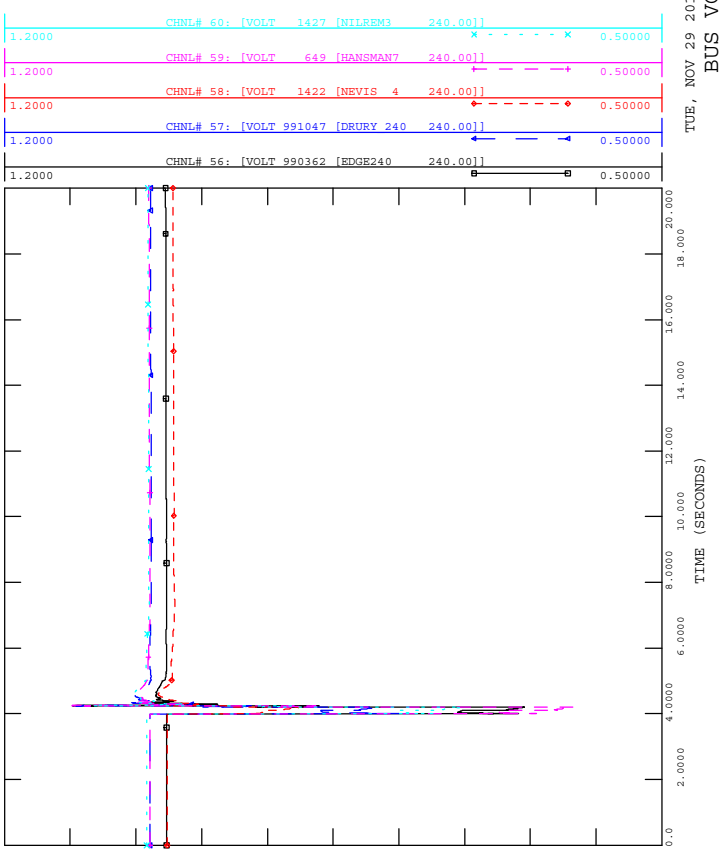

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -954L_S752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/954L_S752_650S-Hansman Lake.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/966L_S452_650S-Hansman Lake.

TUE, NOV 29 2016 9:08

BUS VOLTAGE

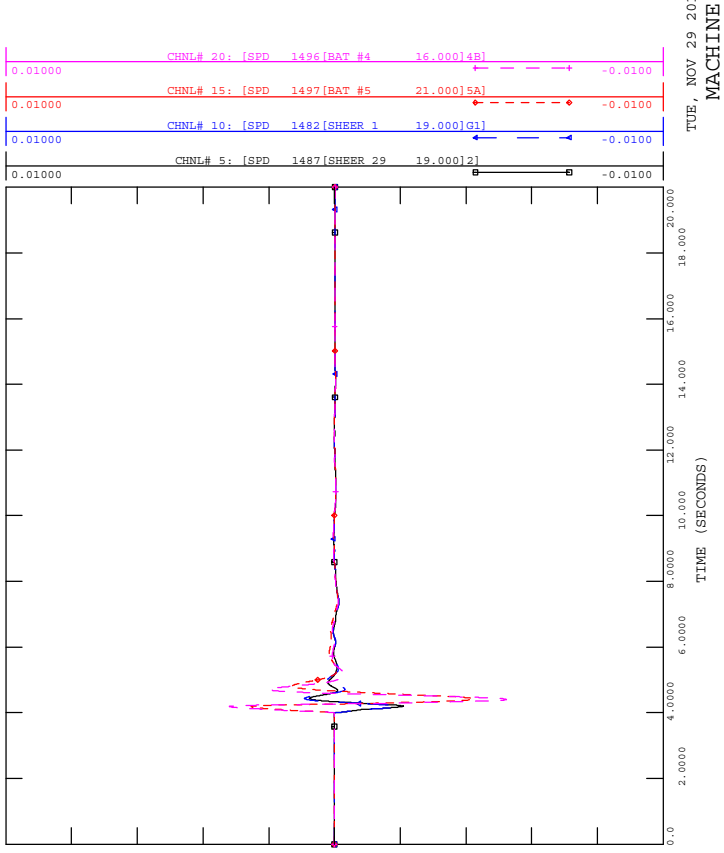


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/966L_S452_650S-Hansman Lake.

TUE, NOV 29 2016 9:08

MACHINE SPEED

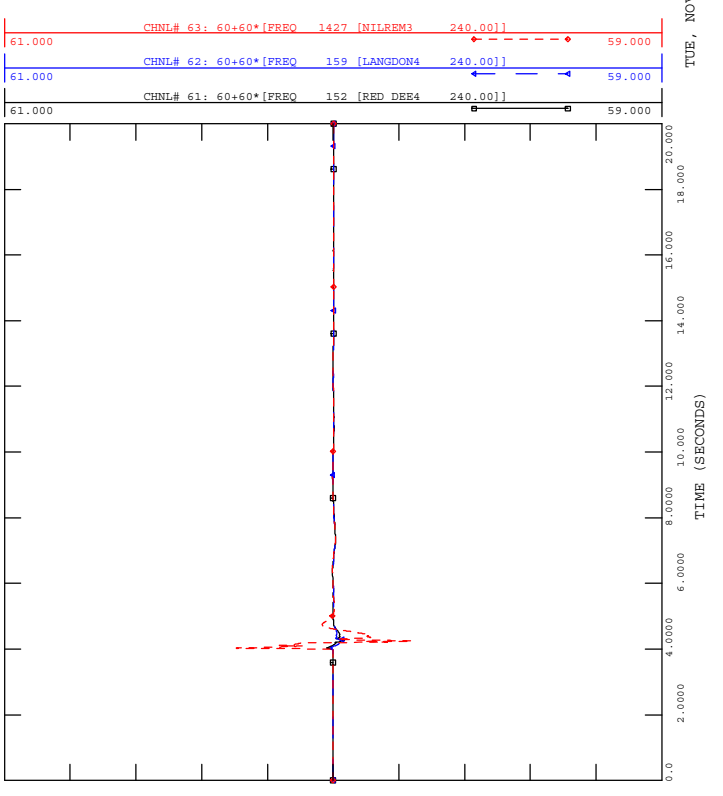


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/966L_S452_650S-Hansman Lake.

TUE, NOV 29 2016 9:08

FREQUENCY

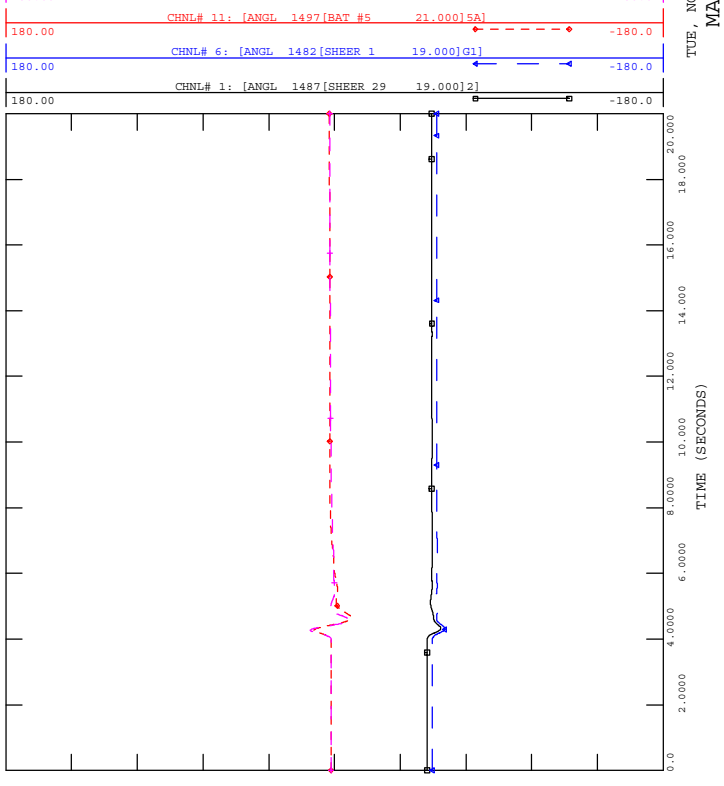


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/966L_S452_650S-Hansman Lake.

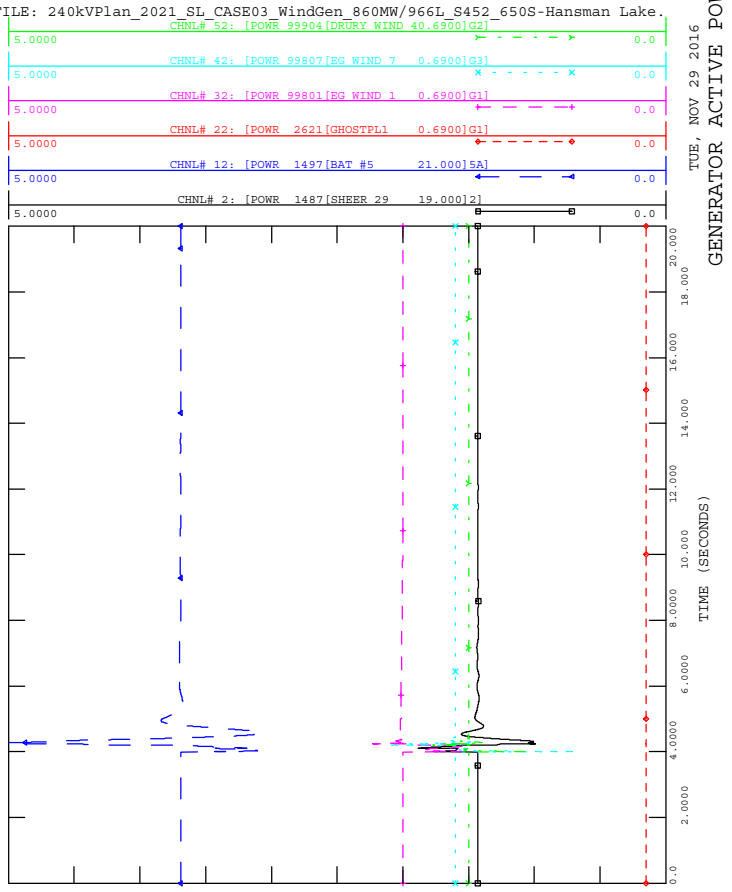
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

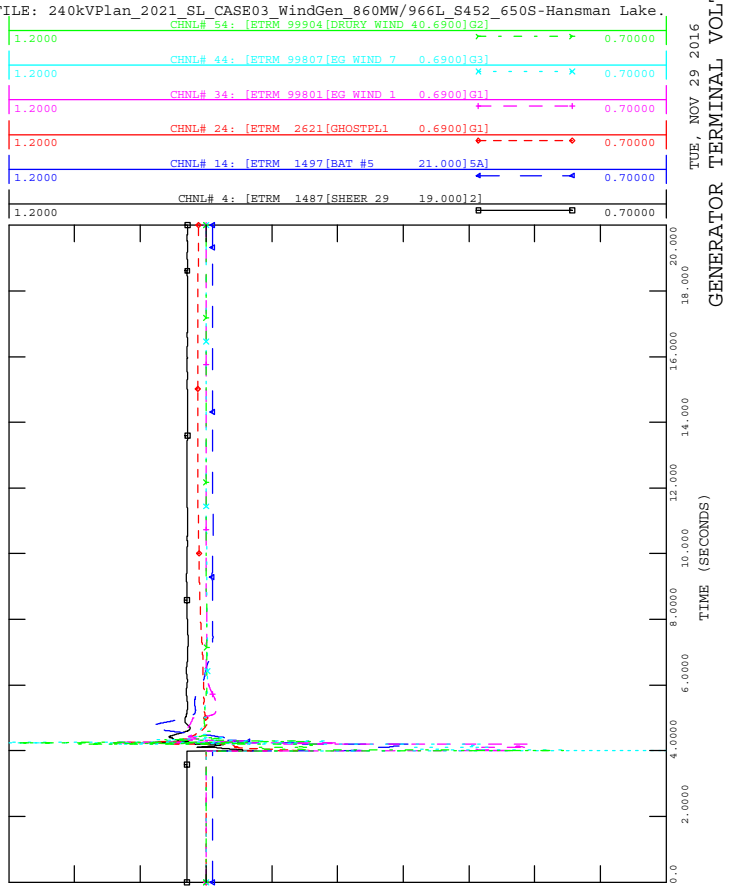
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/966L_S452_650S-Hansman Lake.



TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

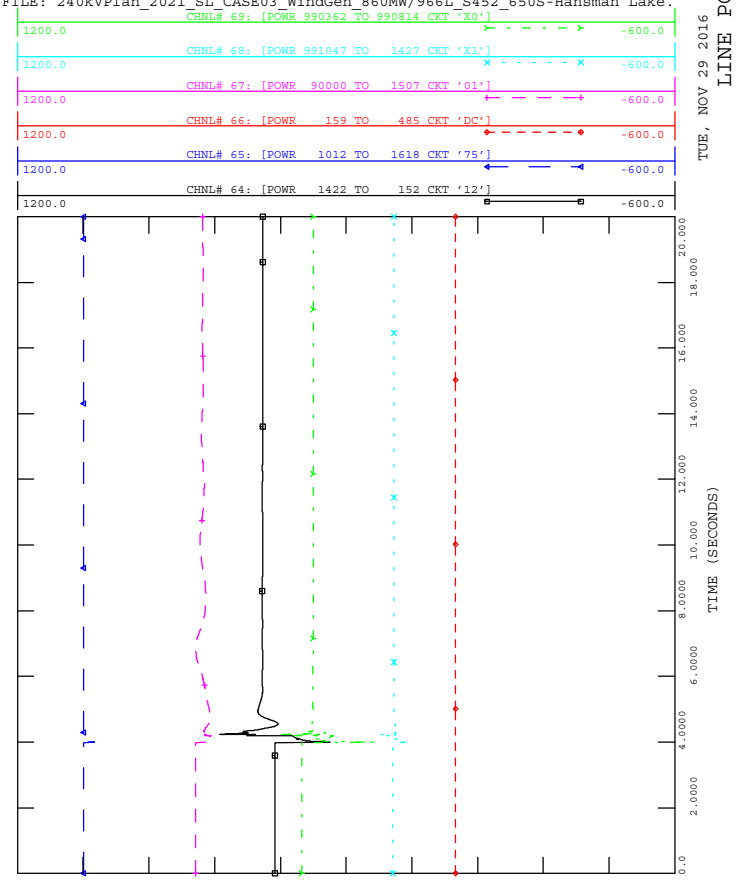
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/966L_S452_650S-Hansman Lake.



TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

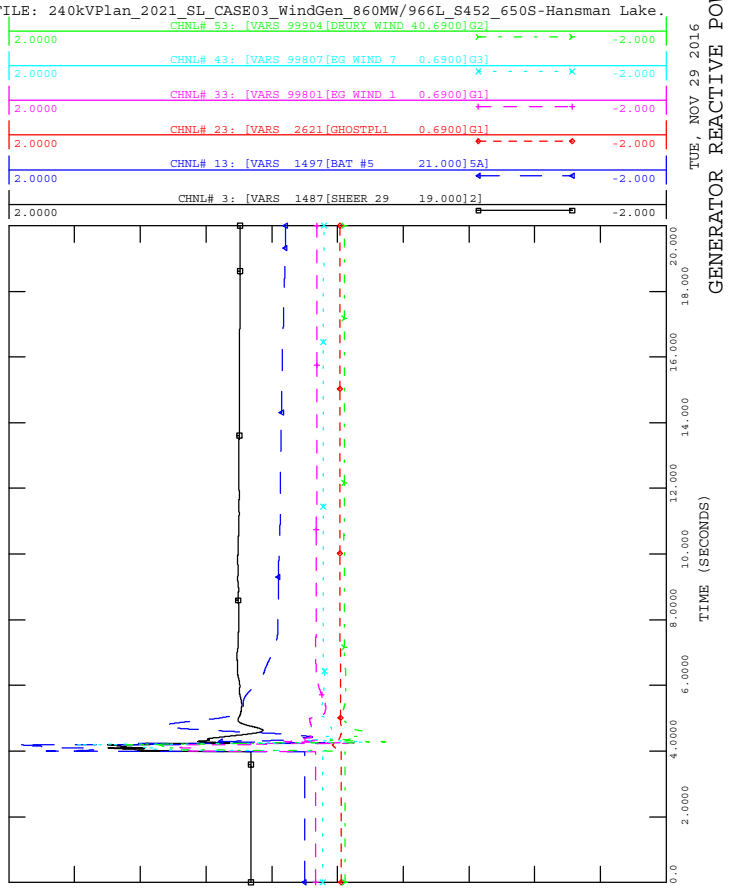
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/966L_S452_650S-Hansman Lake.



TUE, NOV 29 2016 9:08
LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/966L_S452_650S-Hansman Lake.



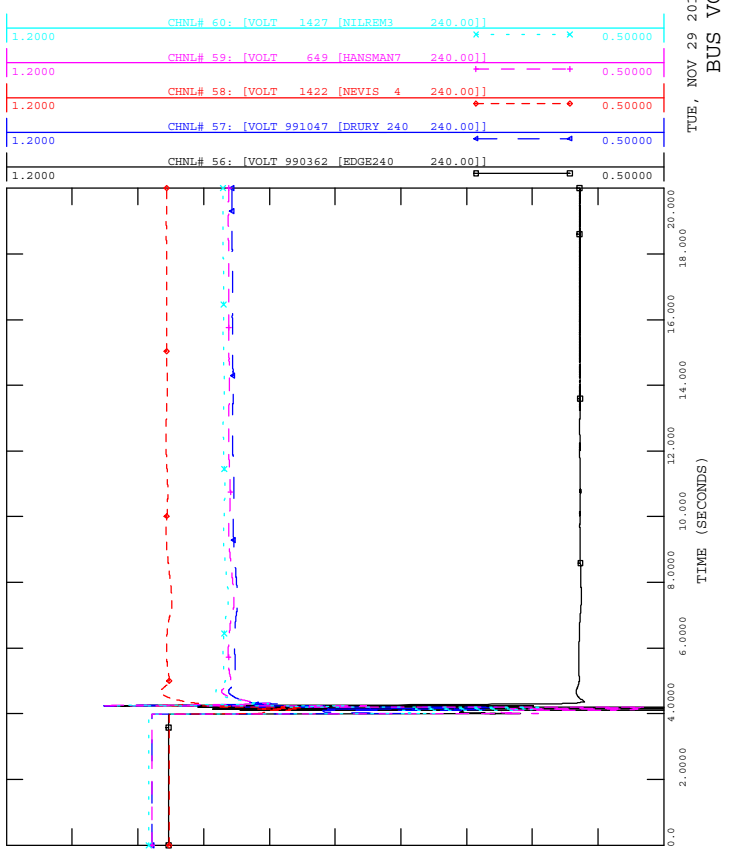
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:08

BUS VOLTAGE

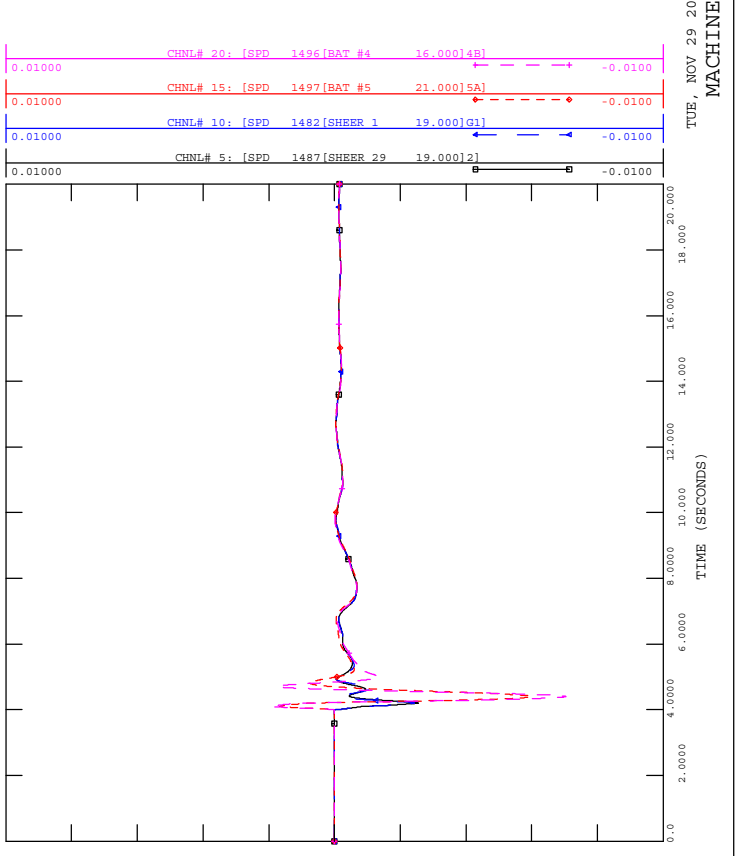


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:08

MACHINE SPEED

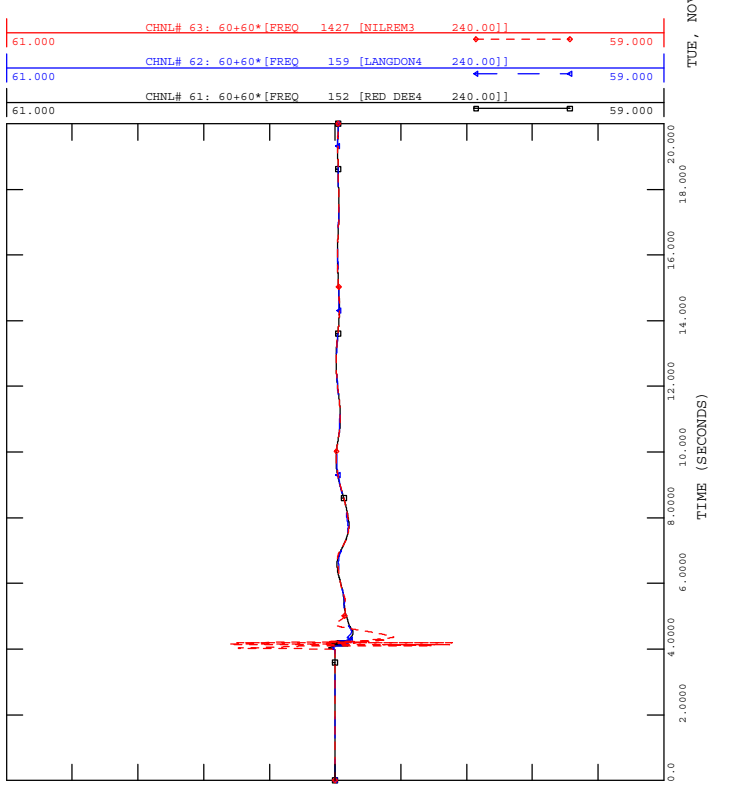


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:08

FREQUENCY

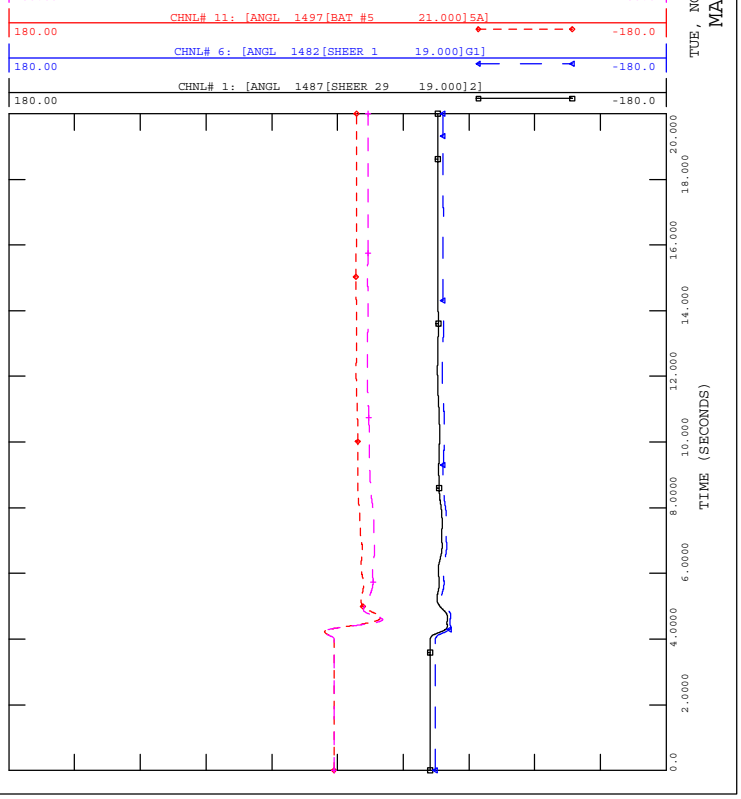


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

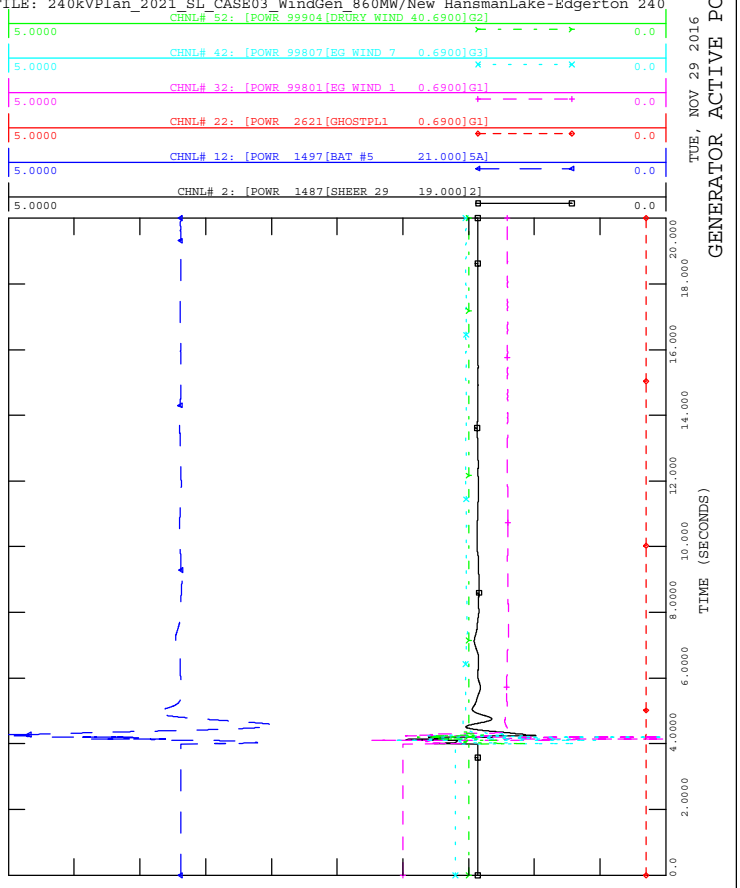
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

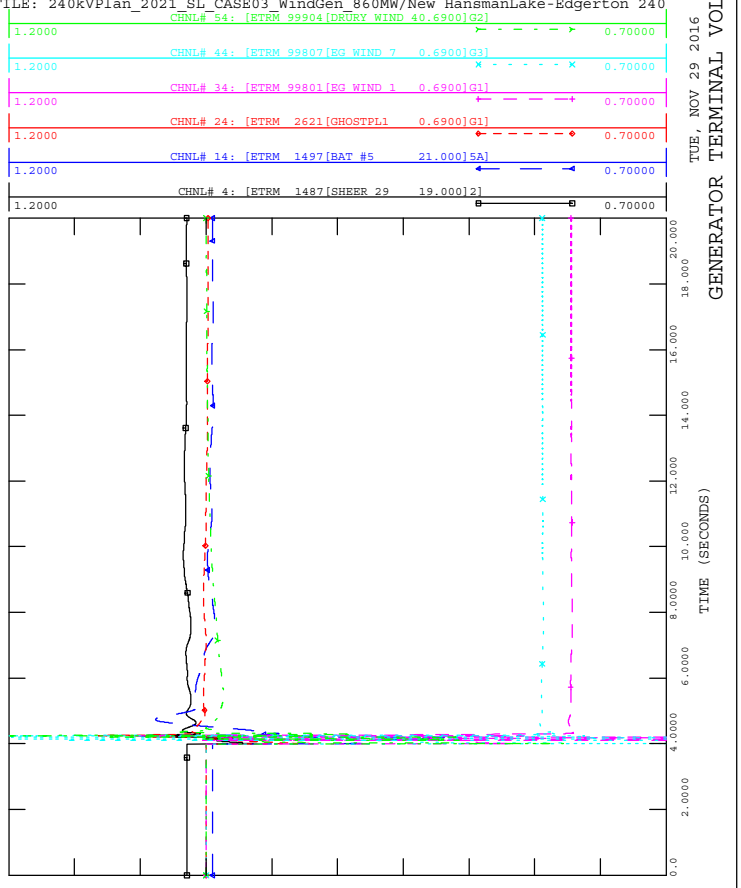
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

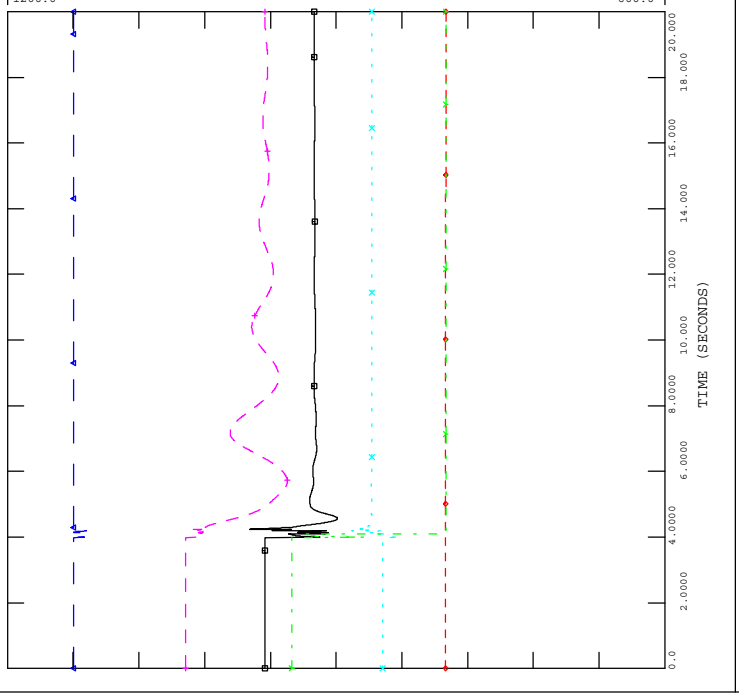
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:08

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

TIME (SECONDS)



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

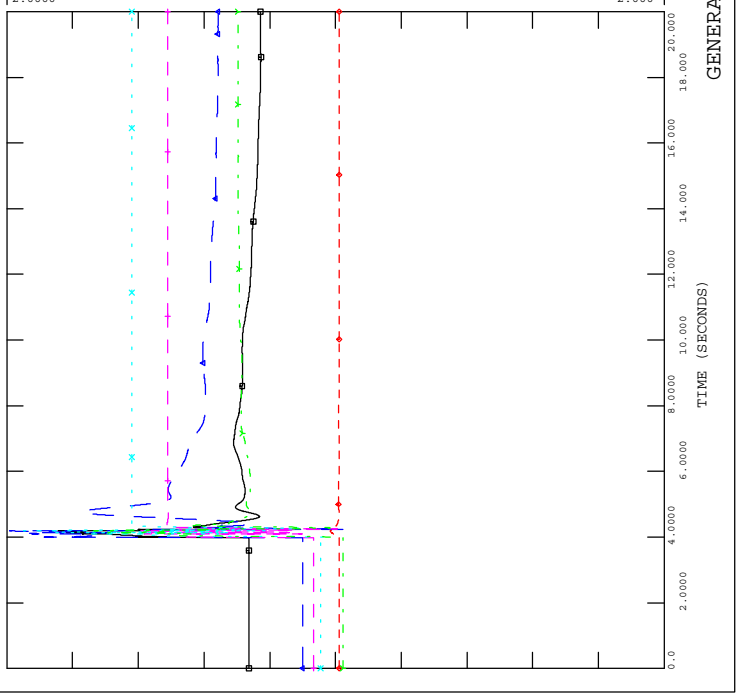
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:08

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

TIME (SECONDS)

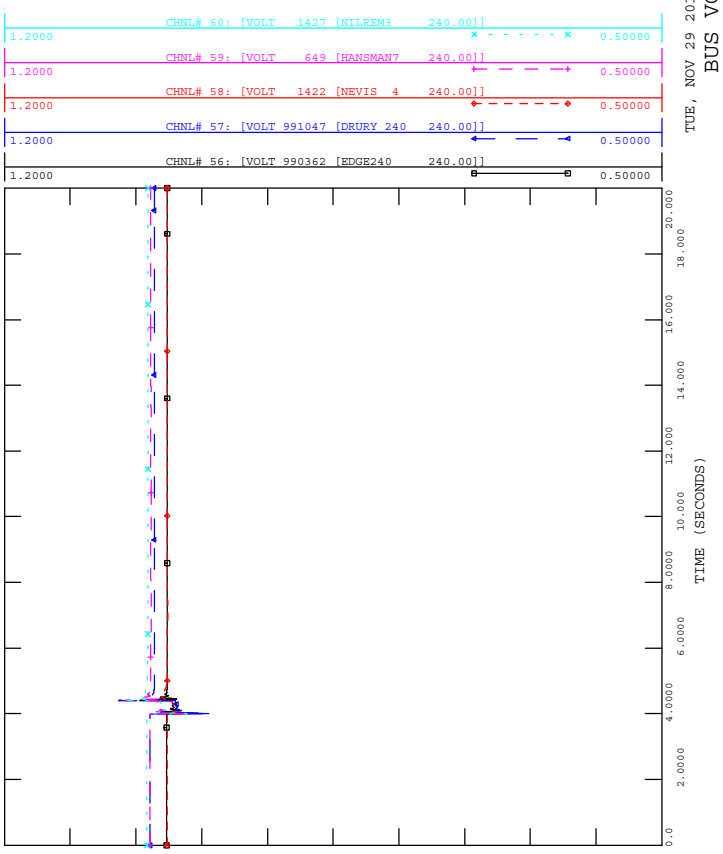


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S701X_395S-North Holden

TUE, NOV 29 2016 9:08

BUS VOLTAGE

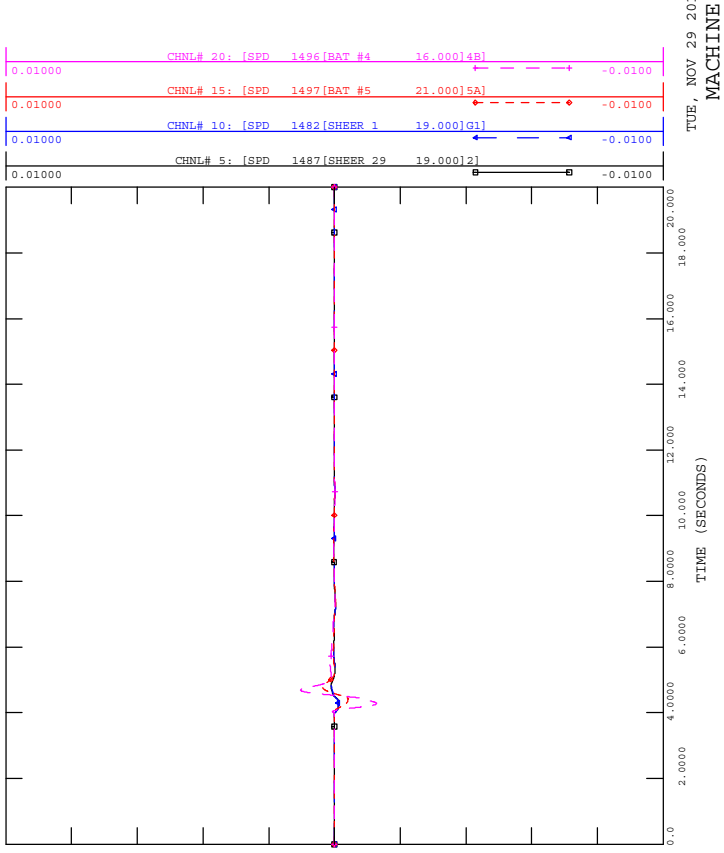


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S701X_395S-North Holden

TUE, NOV 29 2016 9:08

MACHINE SPEED

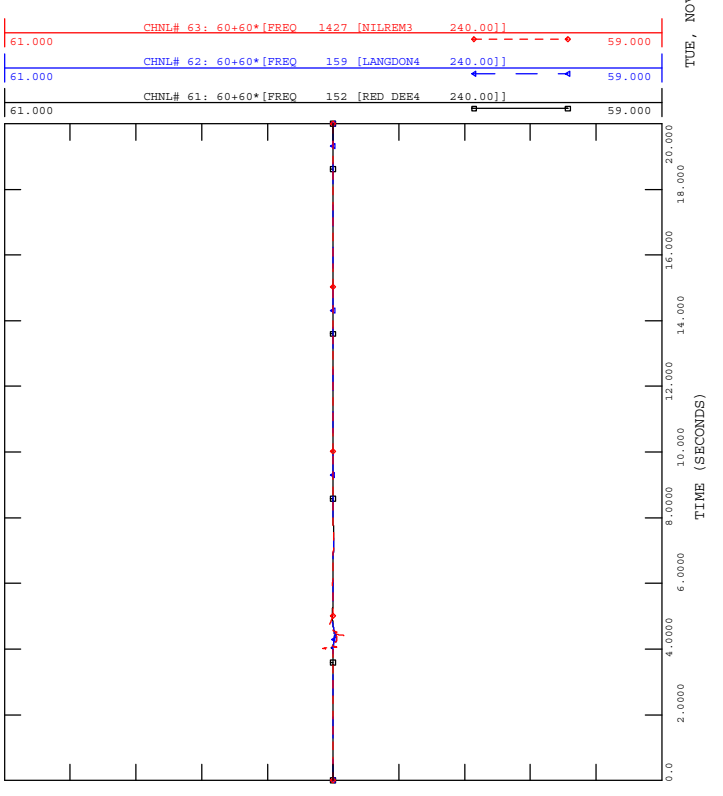


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S701X_395S-North Holden

TUE, NOV 29 2016 9:08

FREQUENCY

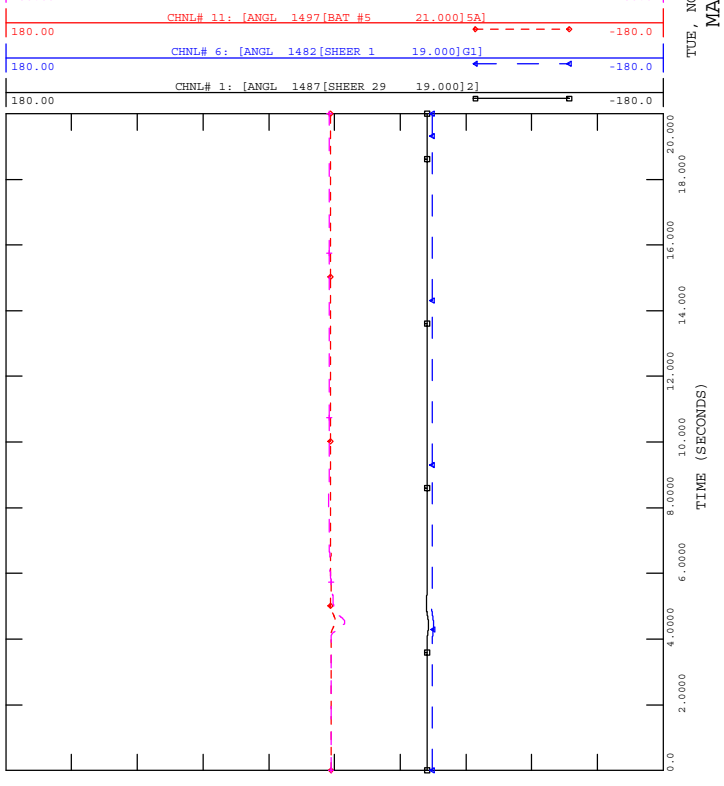


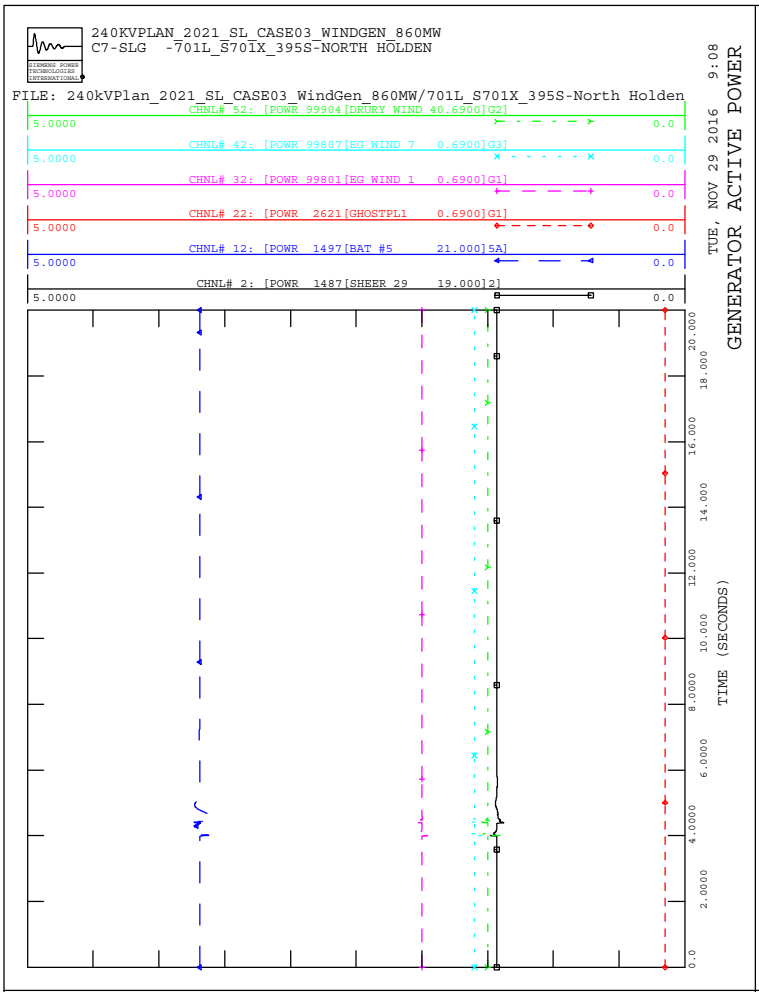
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

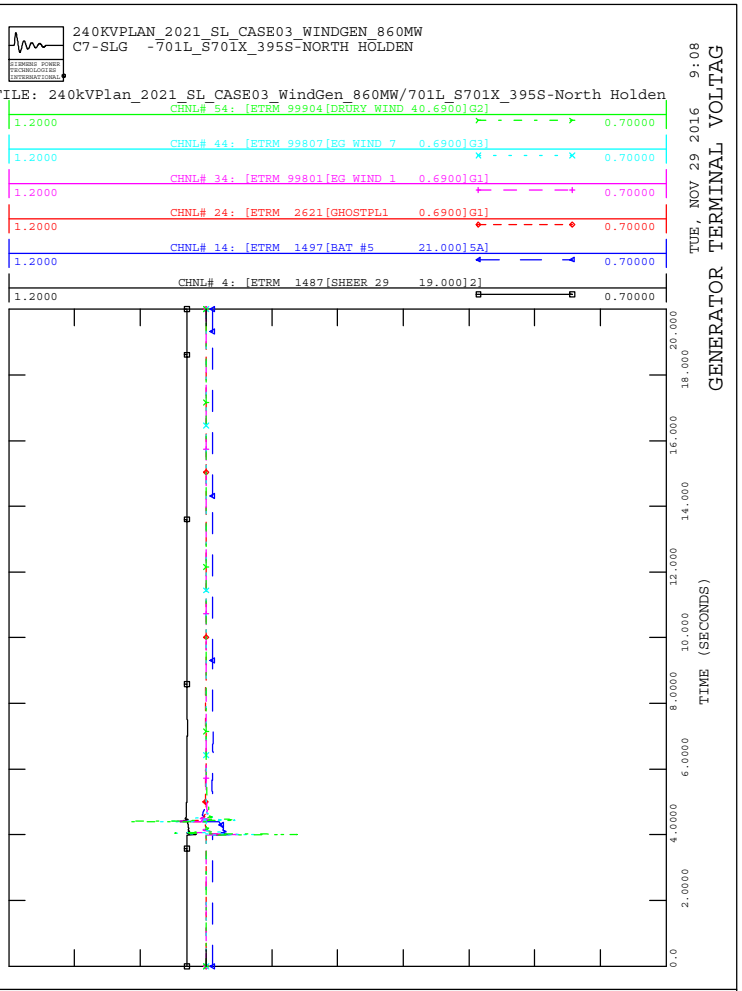
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S701X_395S-North Holden

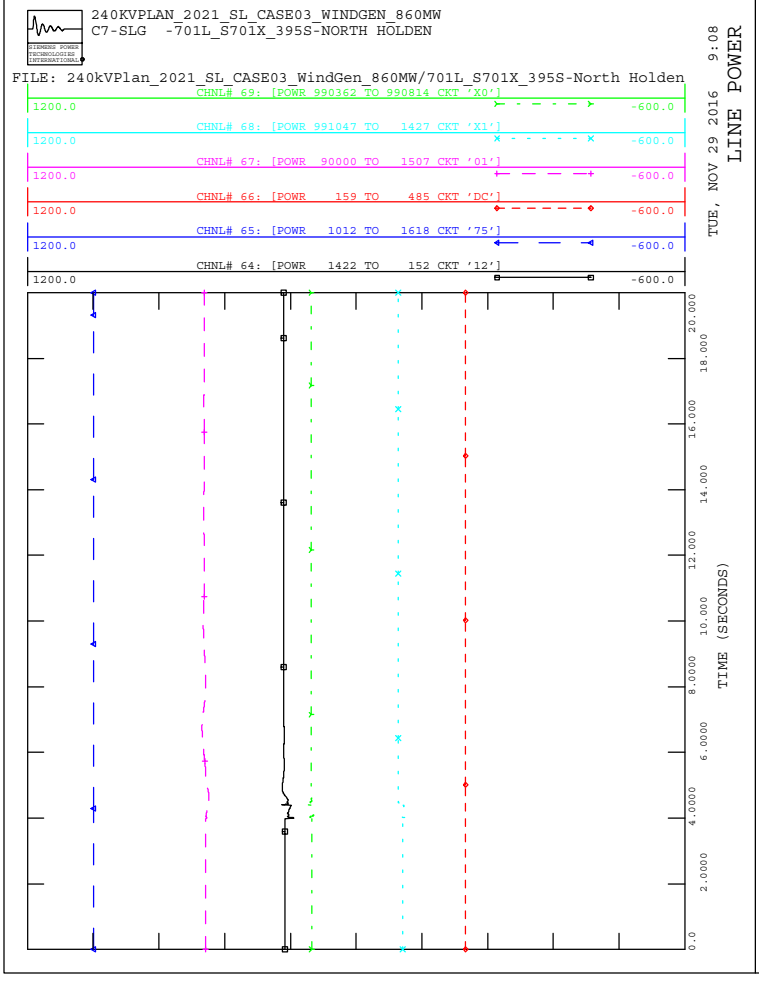
TUE, NOV 29 2016 9:08

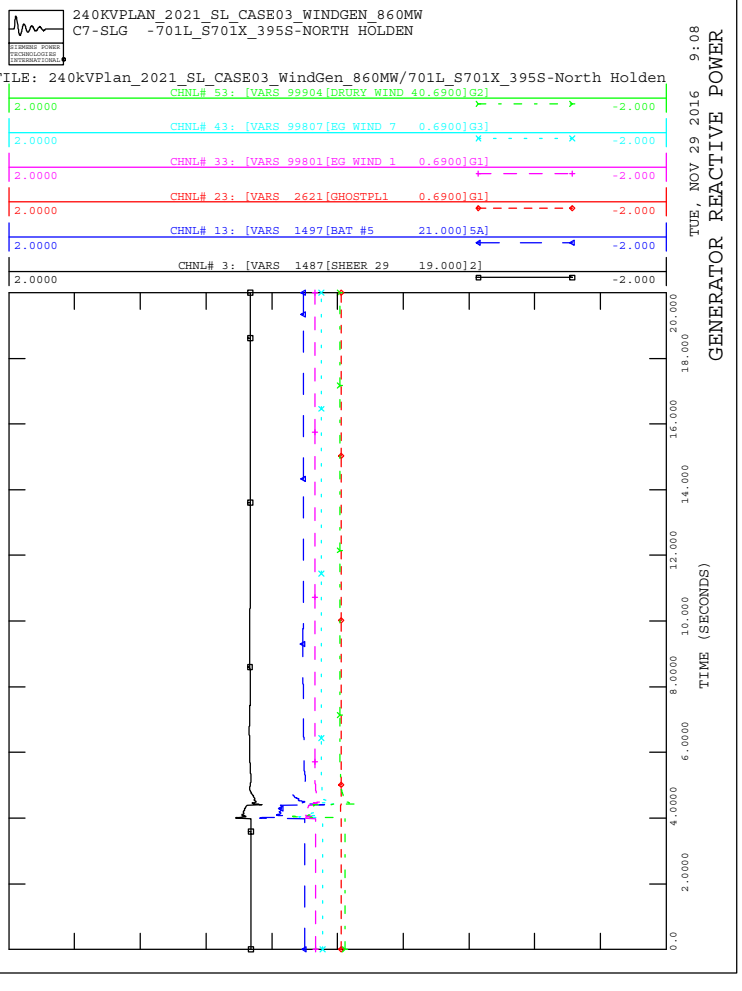
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S701X_395S-North Holden
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S701X_395S-North Holden
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S701X_395S-North Holden
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)

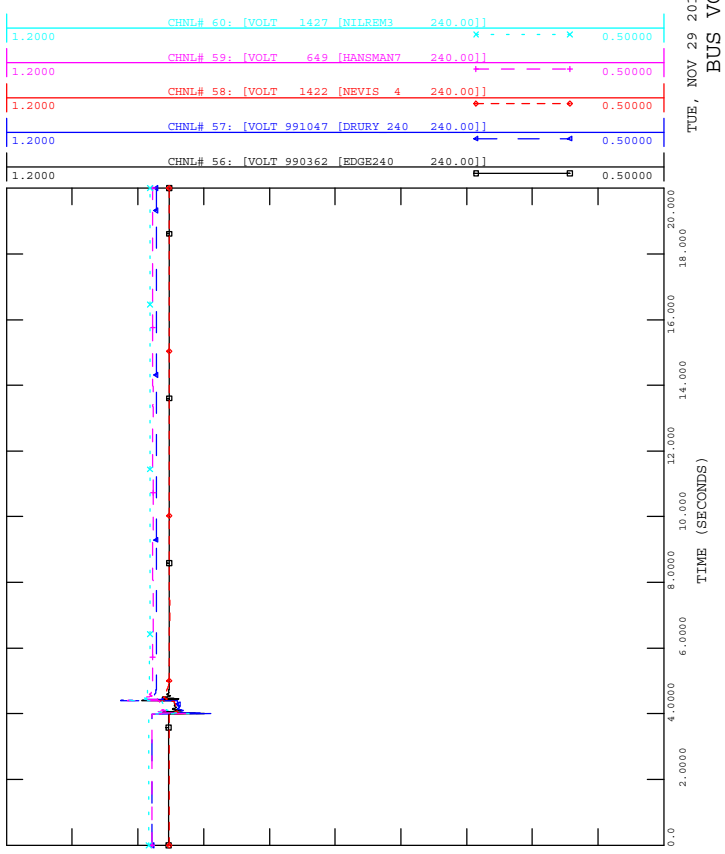

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/701L_S701X_395S-North Holden
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S77E_395S-North Holden.

TUE, NOV 29 2016 9:08

BUS VOLTAGE

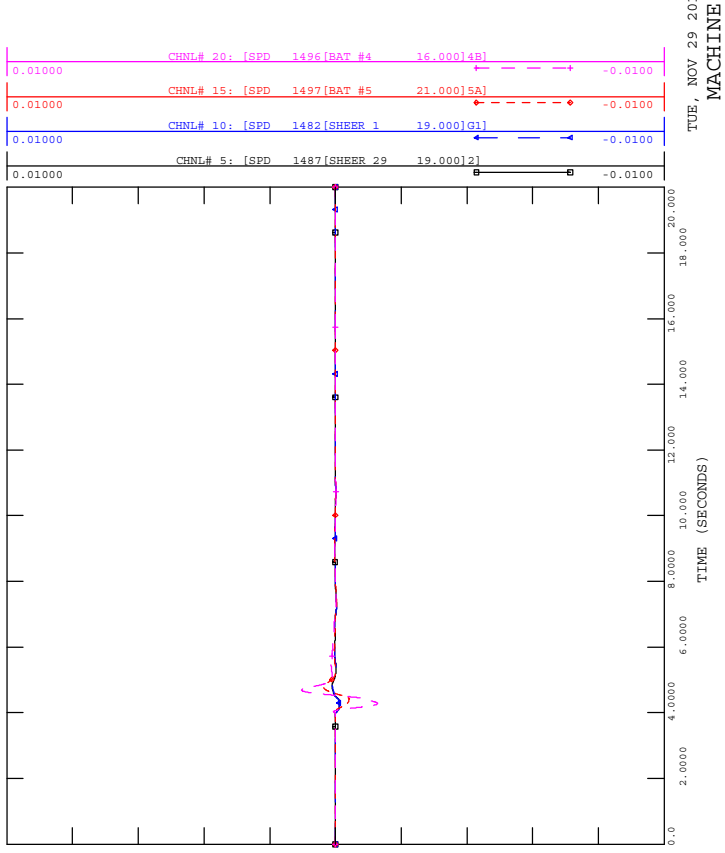


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S77E_395S-North Holden.

TUE, NOV 29 2016 9:08

MACHINE SPEED

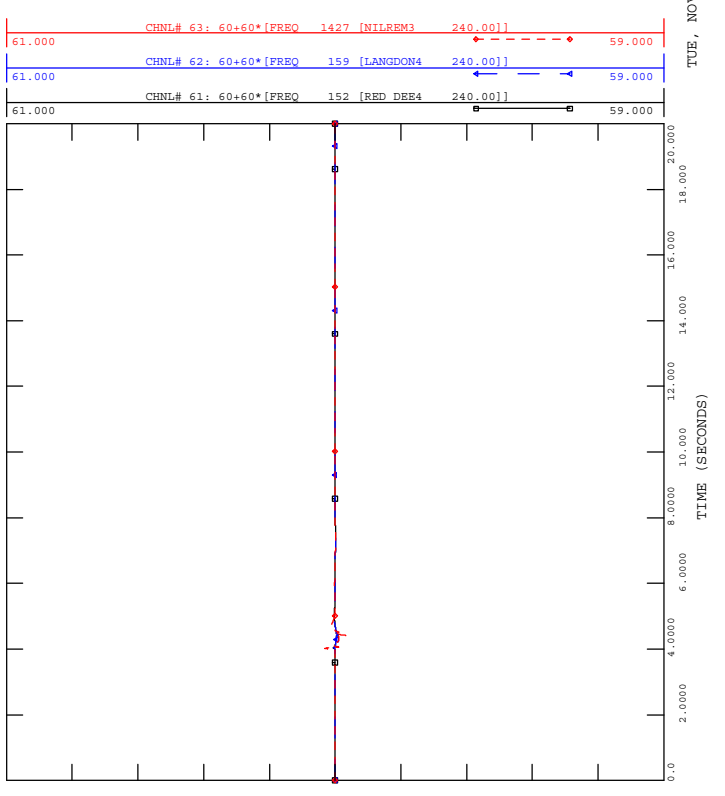


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S77E_395S-North Holden.

TUE, NOV 29 2016 9:08

FREQUENCY

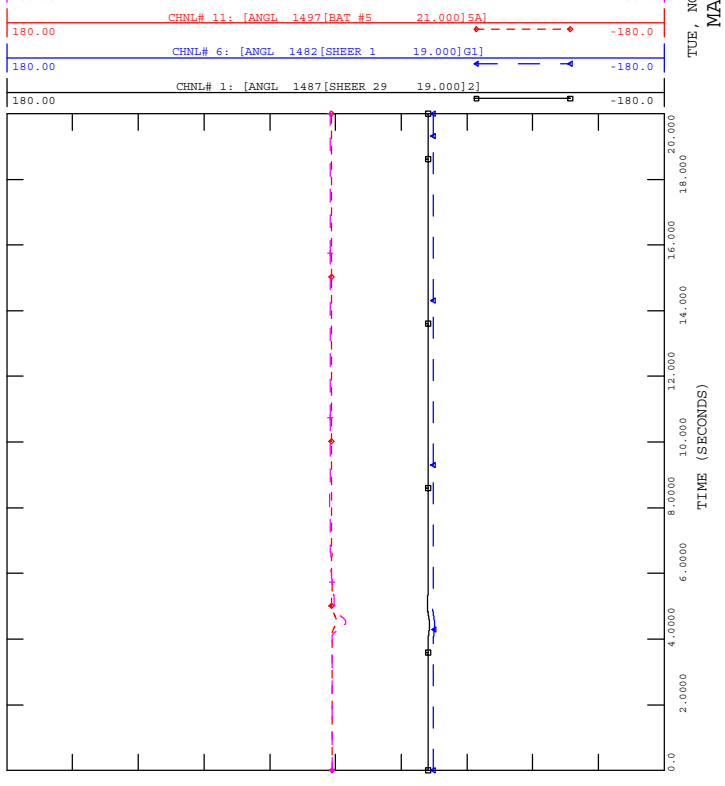


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S77E_395S-North Holden.

TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

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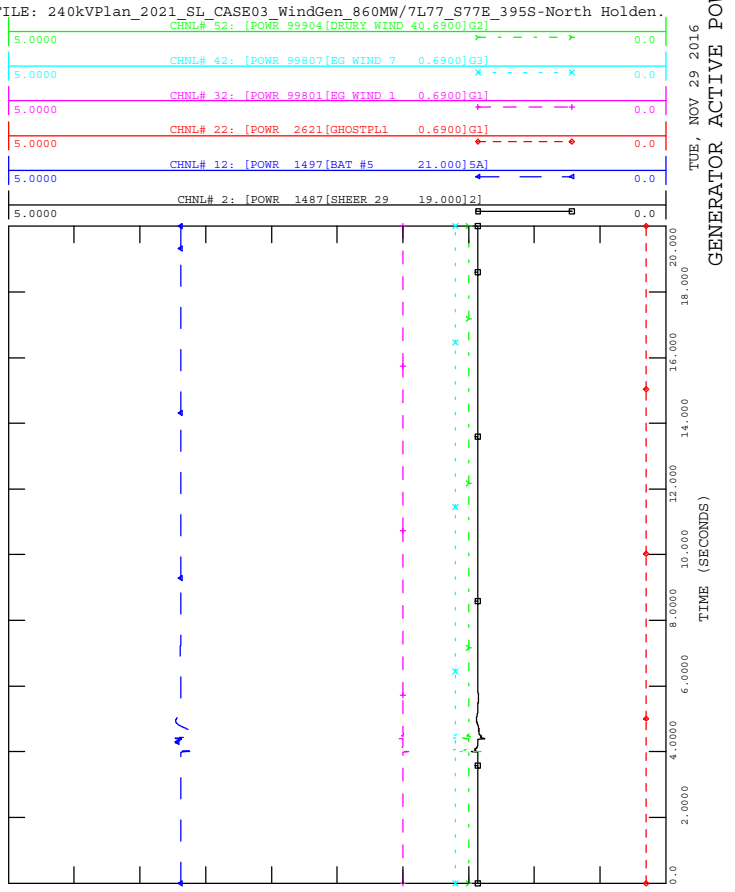
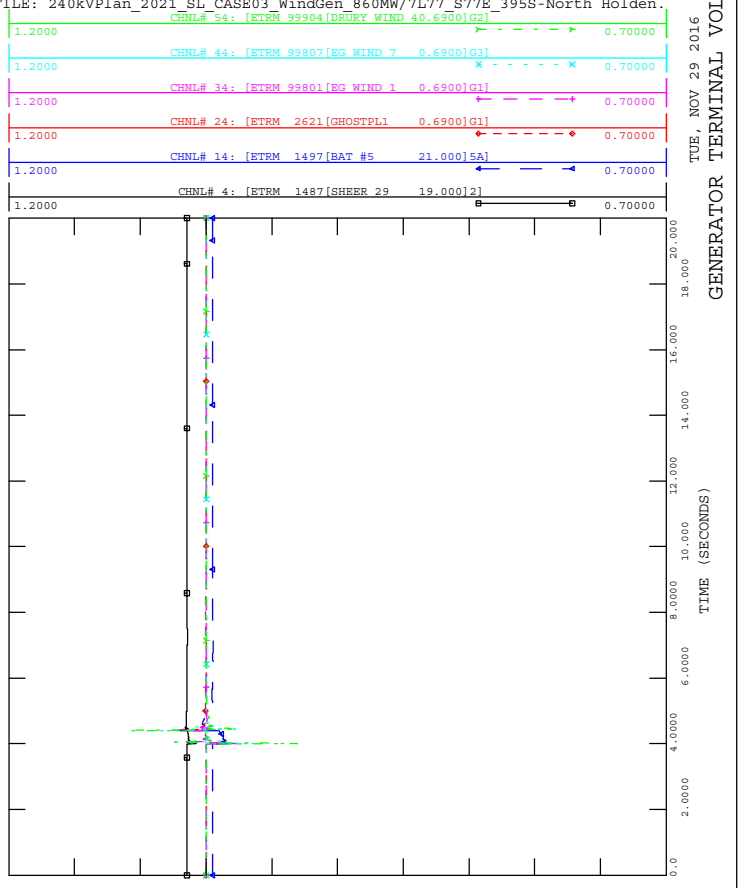


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S77E_395S-North Holden.

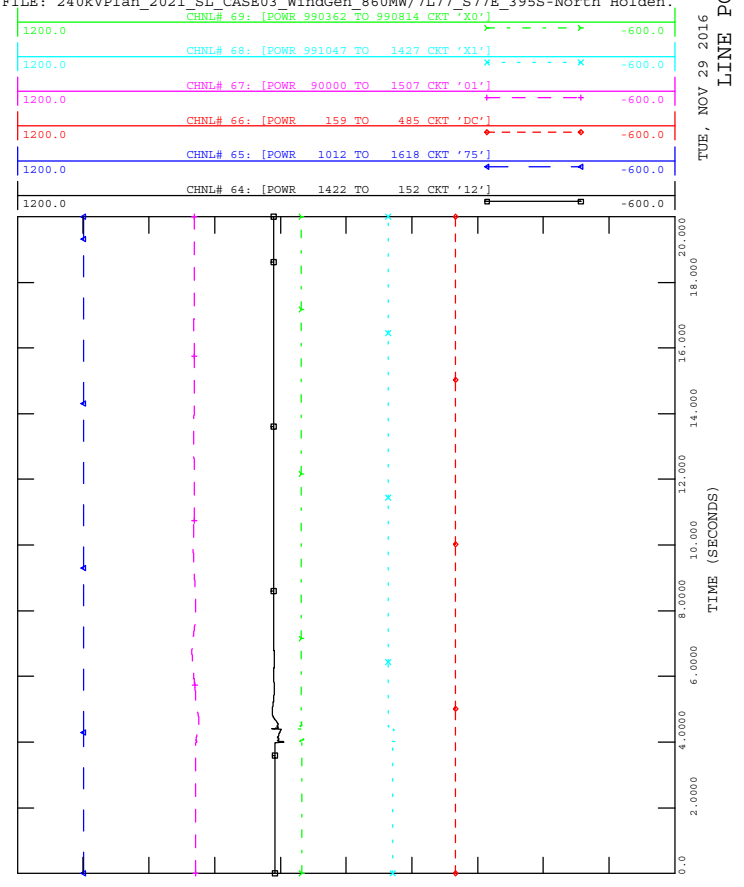


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S77E_395S-North Holden.

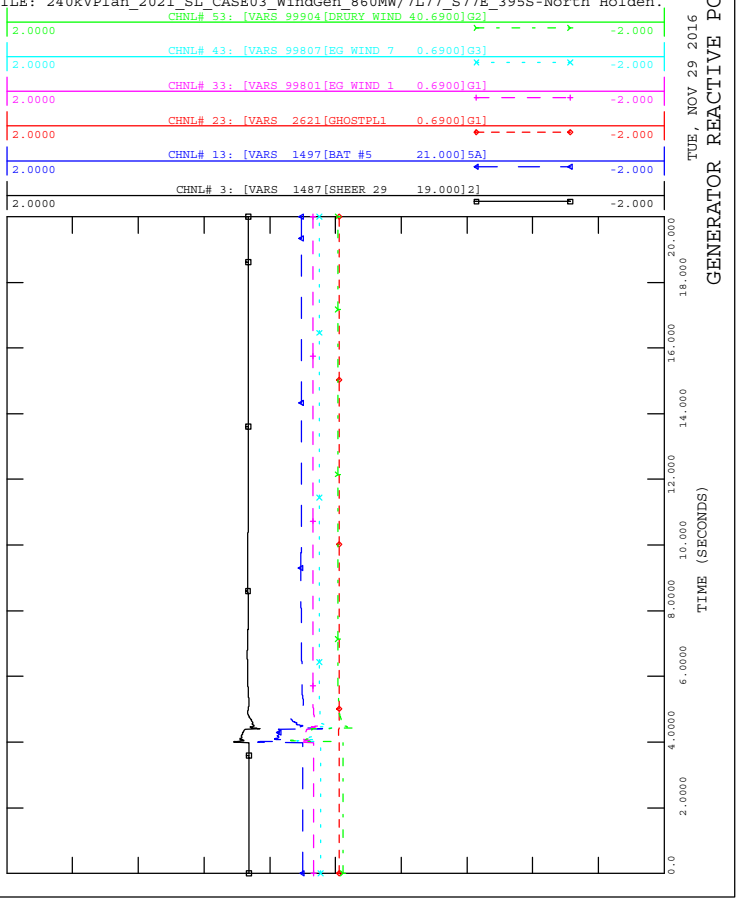


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S77E_395S-North Holden.



TUE, NOV 29 2016 9:08

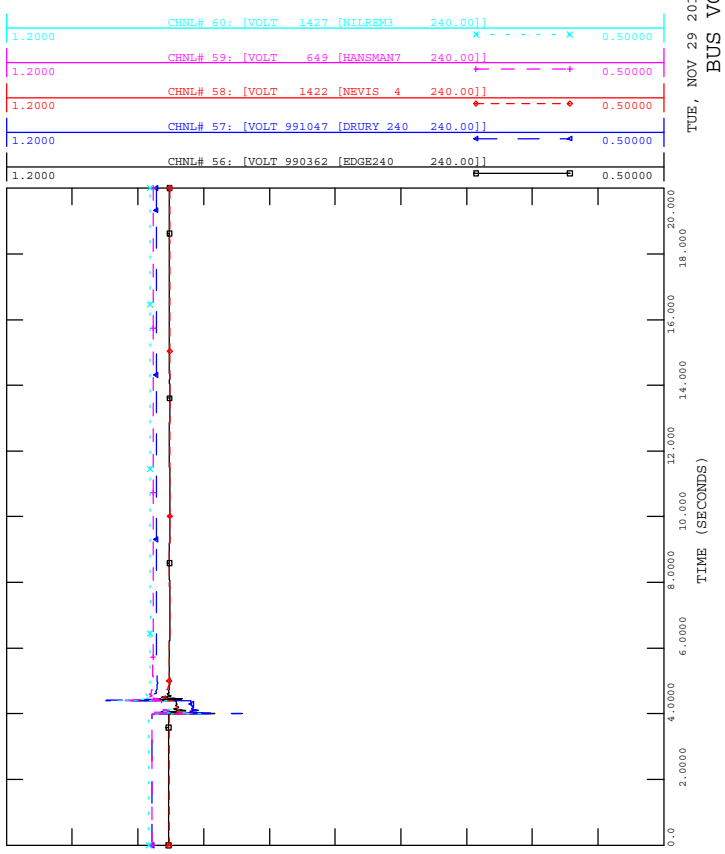
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S702_709S-Vegreville.ou

TUE, NOV 29 2016 9:08

BUS VOLTAGE

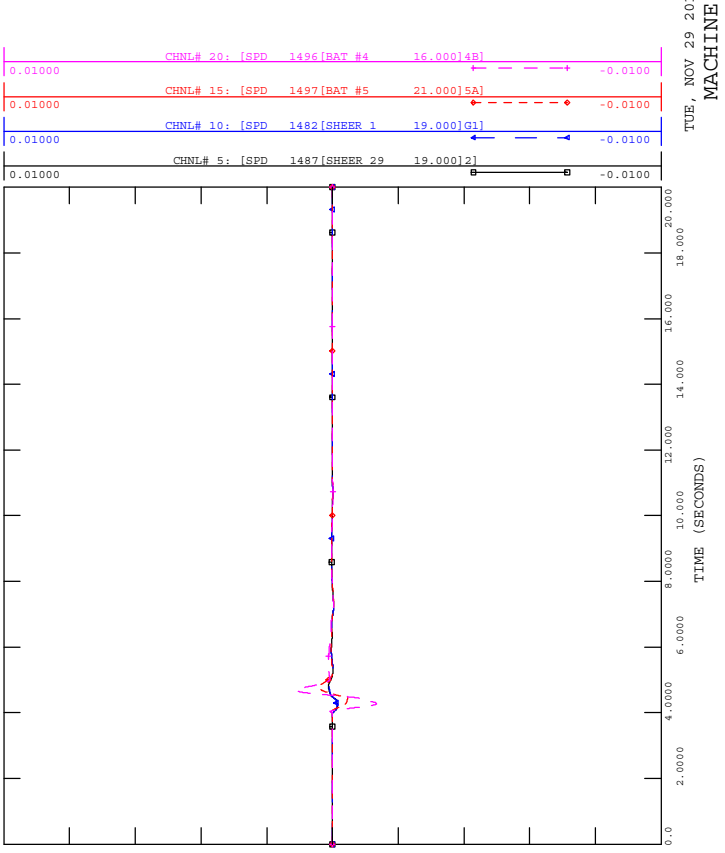


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S702_709S-Vegreville.ou

TUE, NOV 29 2016 9:08

MACHINE SPEED

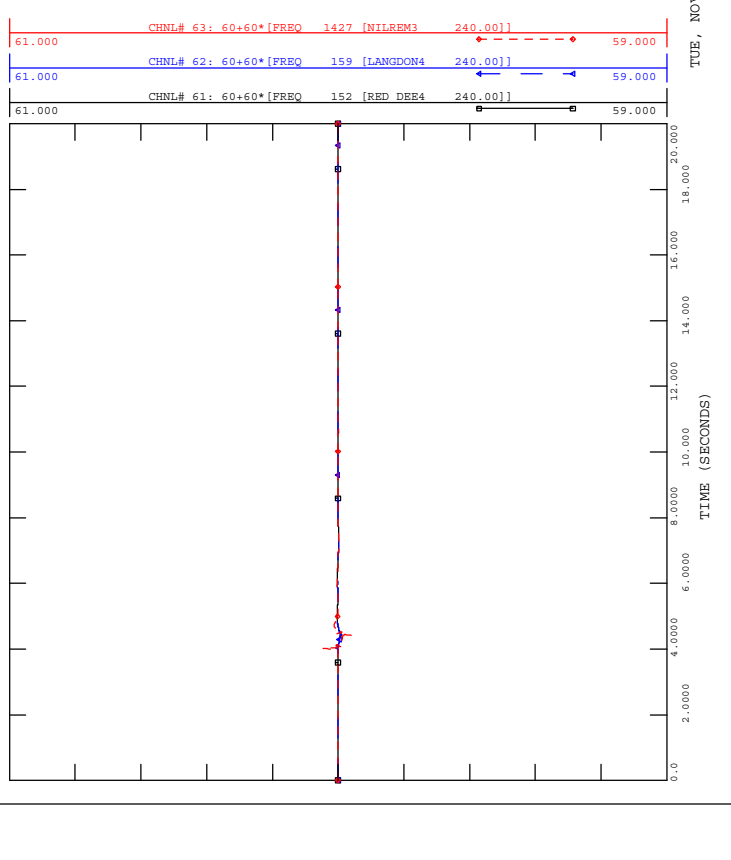


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S702_709S-Vegreville.ou

TUE, NOV 29 2016 9:08

FREQUENCY

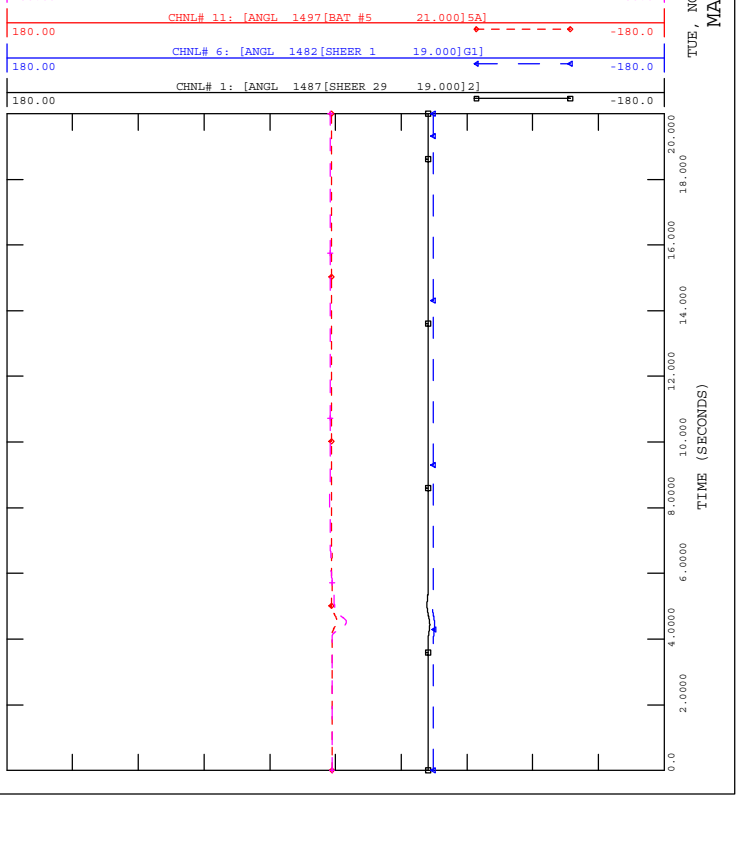


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S702_709S-Vegreville.ou

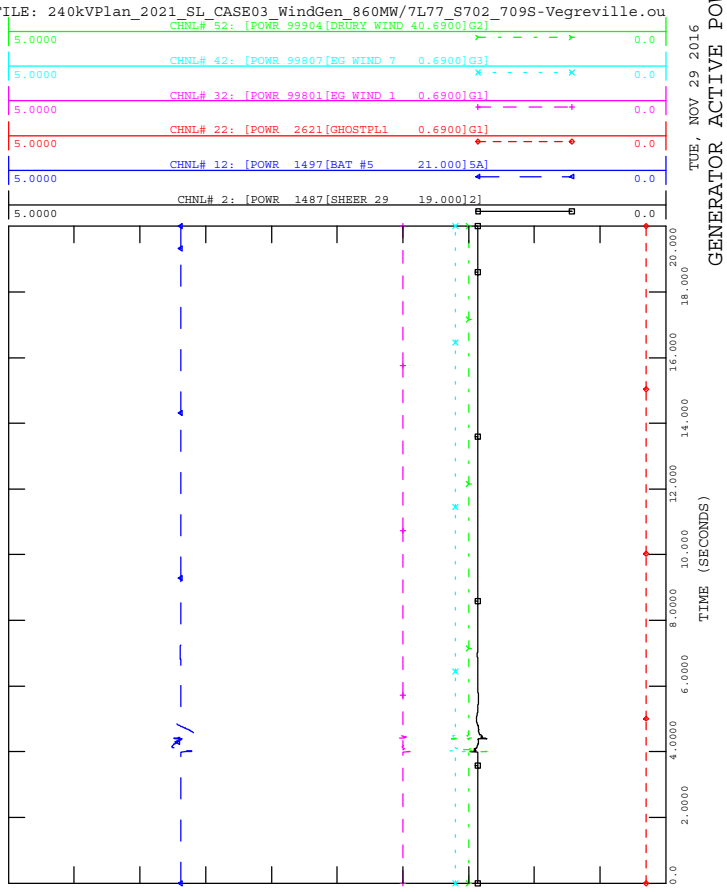
TUE, NOV 29 2016 9:08

MACHINE ANGEL



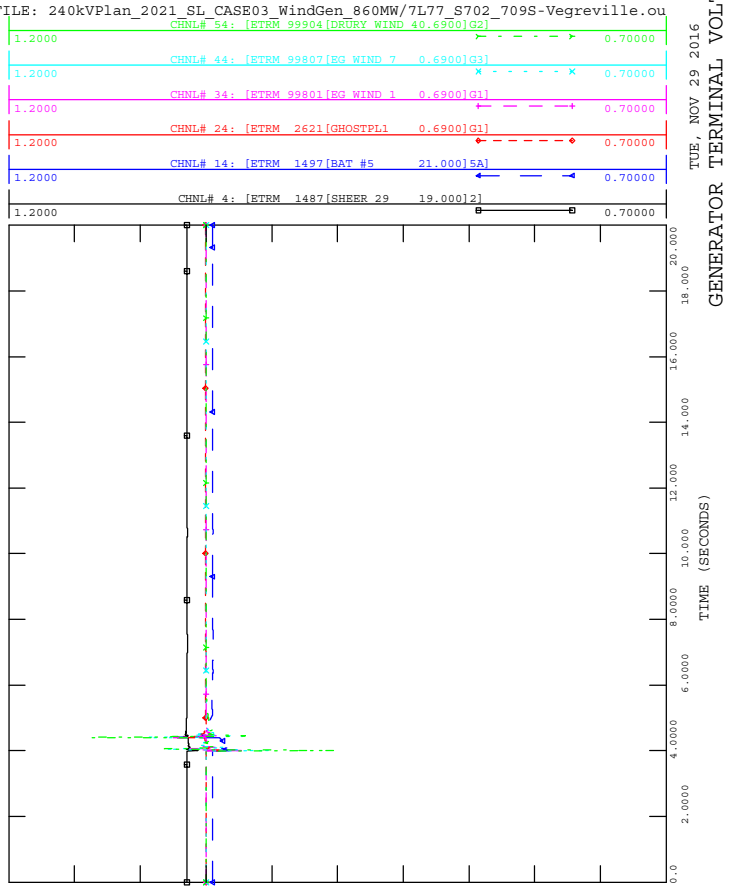
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S702_709S-Vegreville.ou



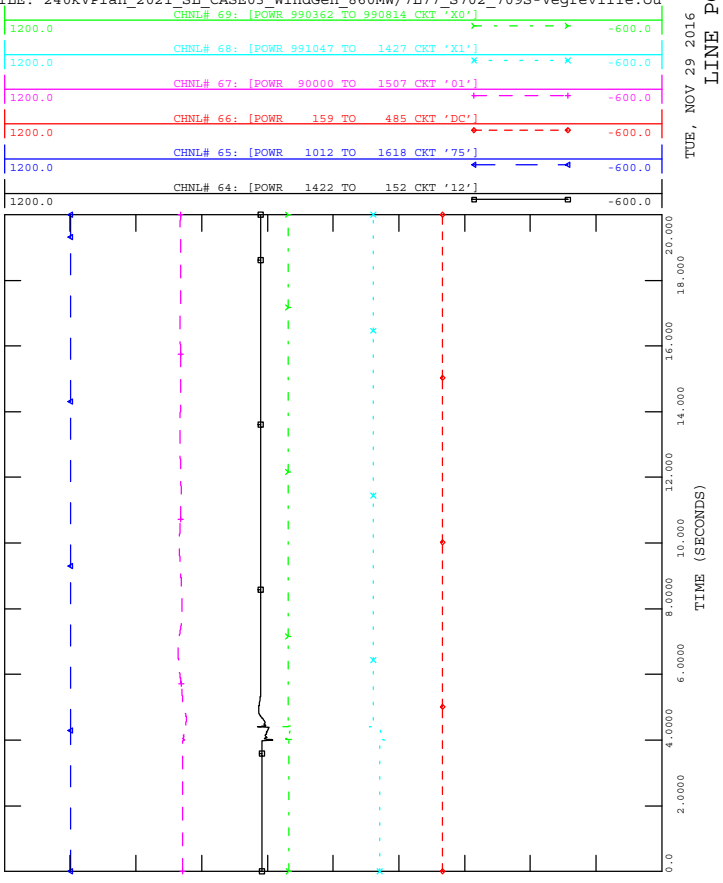
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S702_709S-Vegreville.ou



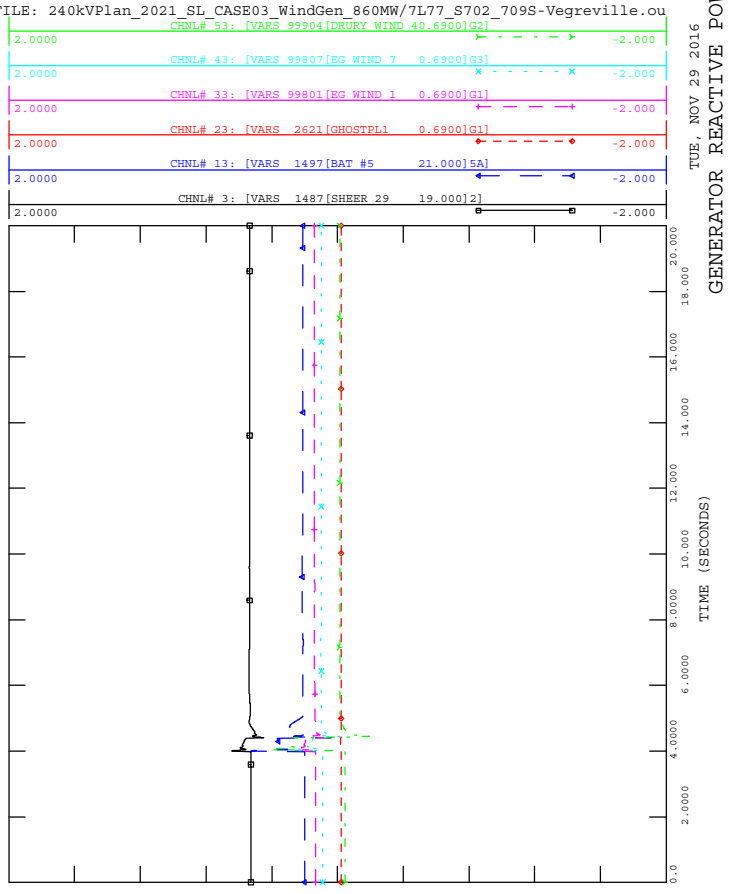
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S702_709S-Vegreville.ou



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L77_S702_709S-Vegreville.ou

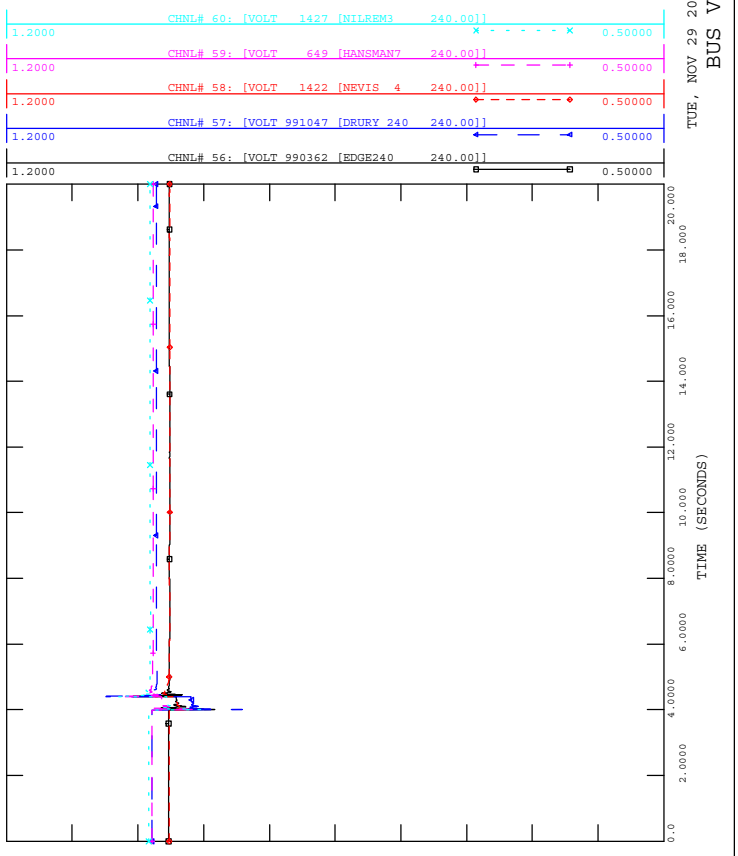


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_S703_709S-Vegreville.ou

TUE, NOV 29 2016 9:08

BUS VOLTAGE

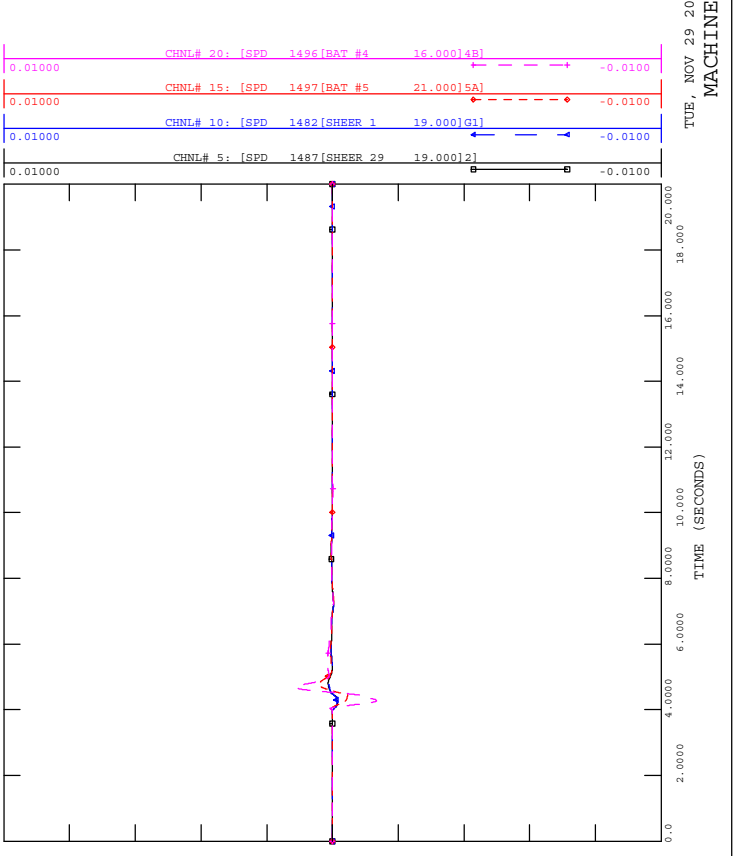


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_S703_709S-Vegreville.ou

TUE, NOV 29 2016 9:08

MACHINE SPEED

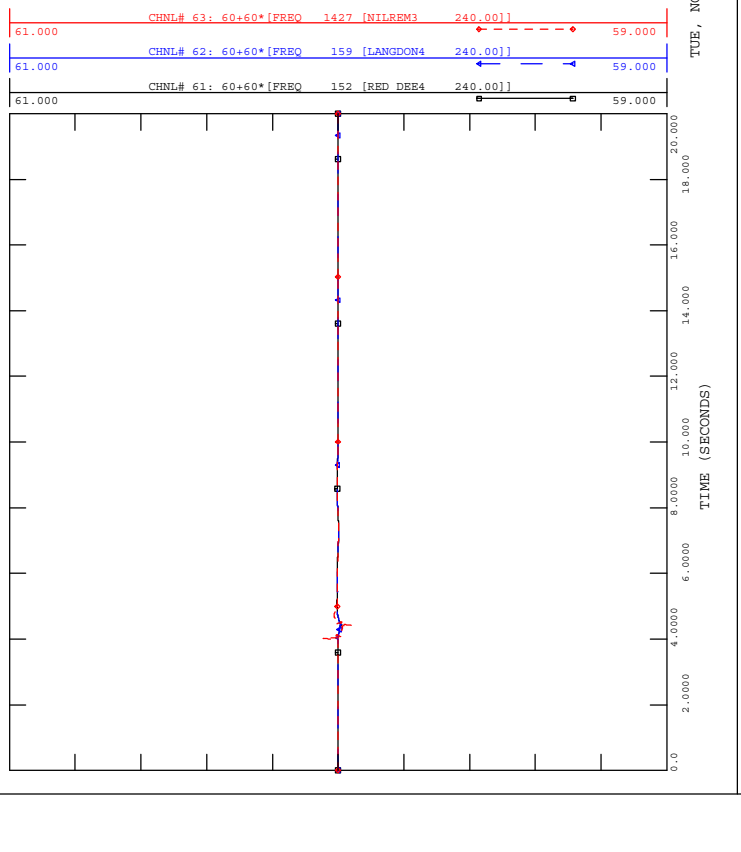


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_S703_709S-Vegreville.ou

TUE, NOV 29 2016 9:08

FREQUENCY

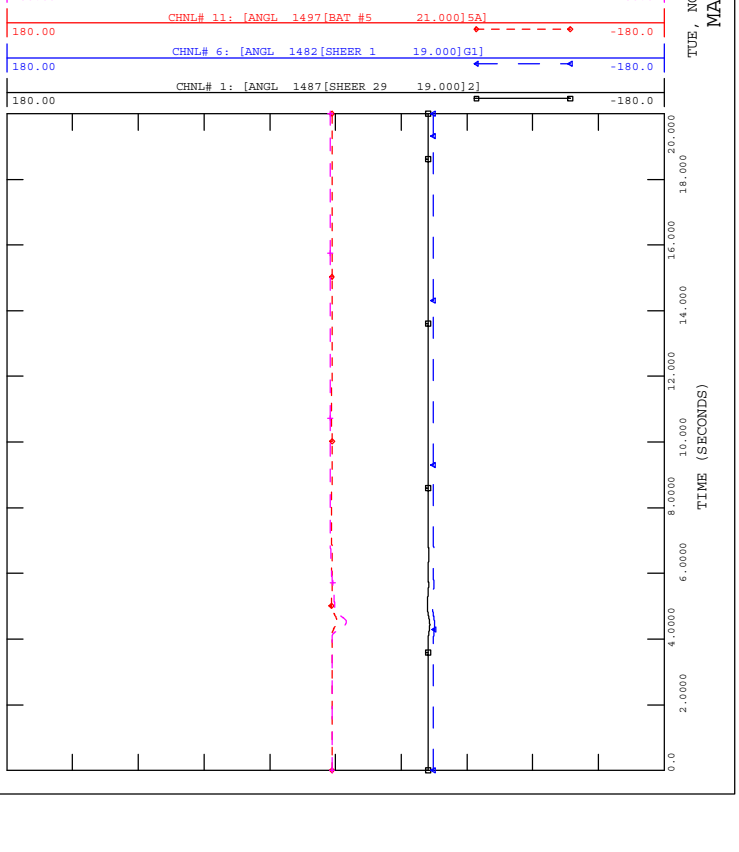


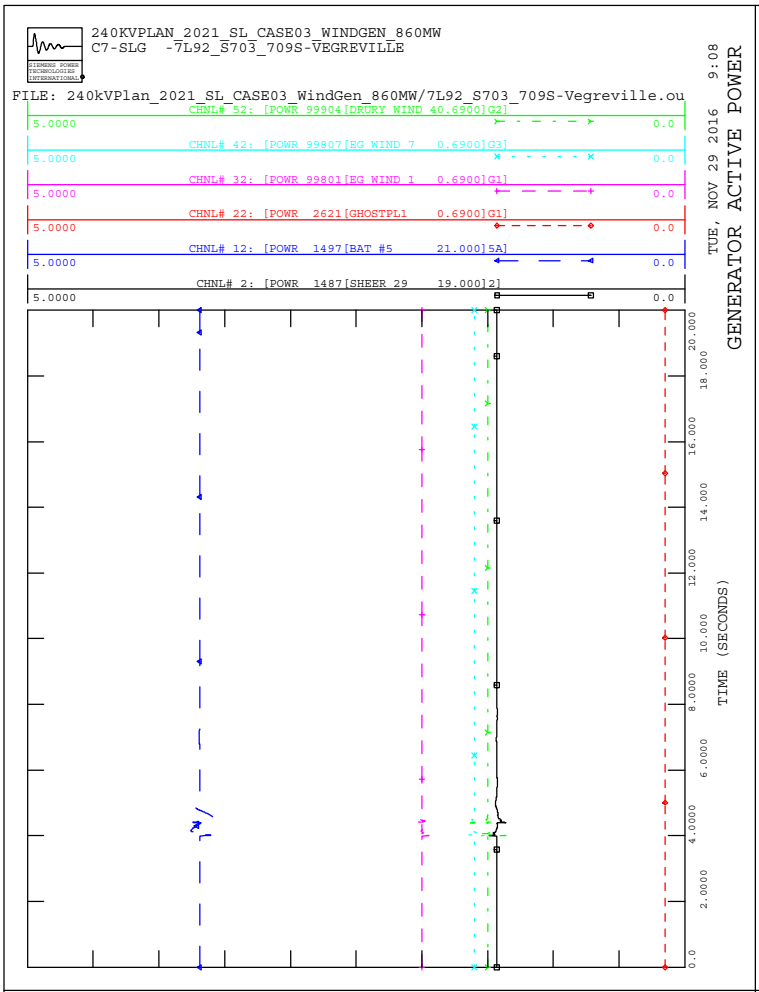
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE

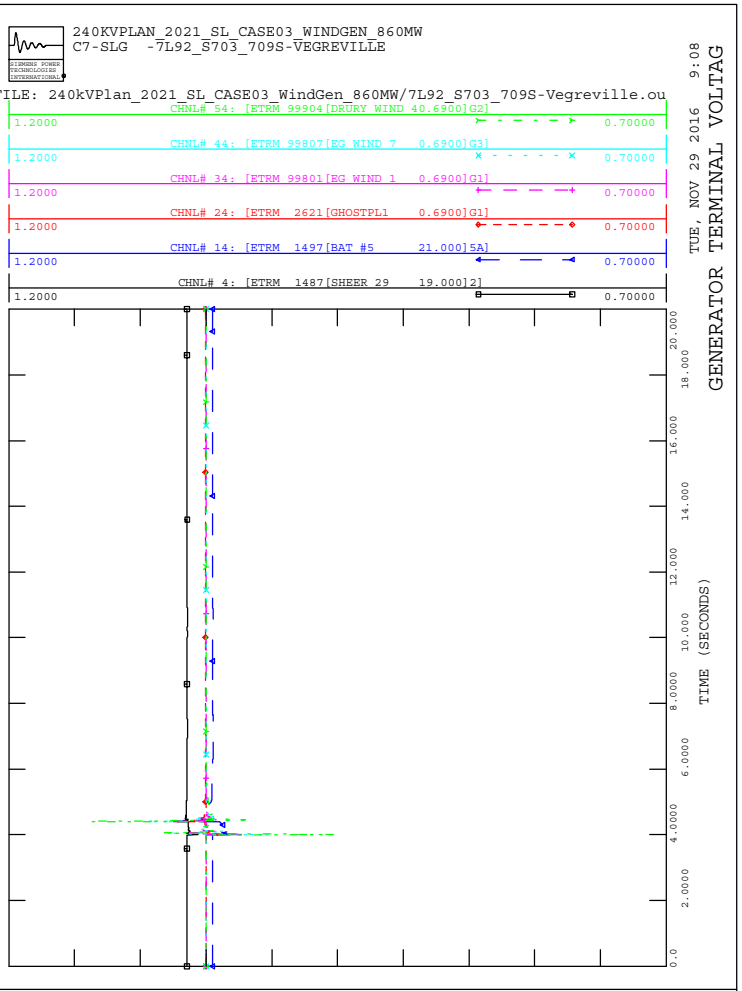
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_S703_709S-Vegreville.ou

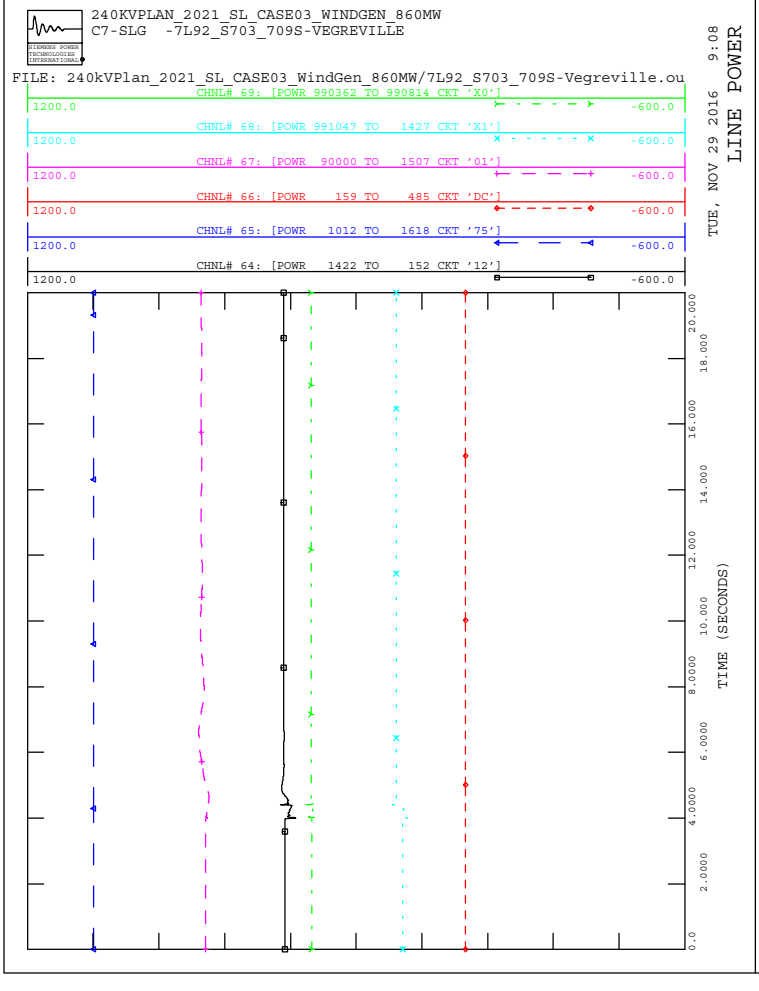
TUE, NOV 29 2016 9:08

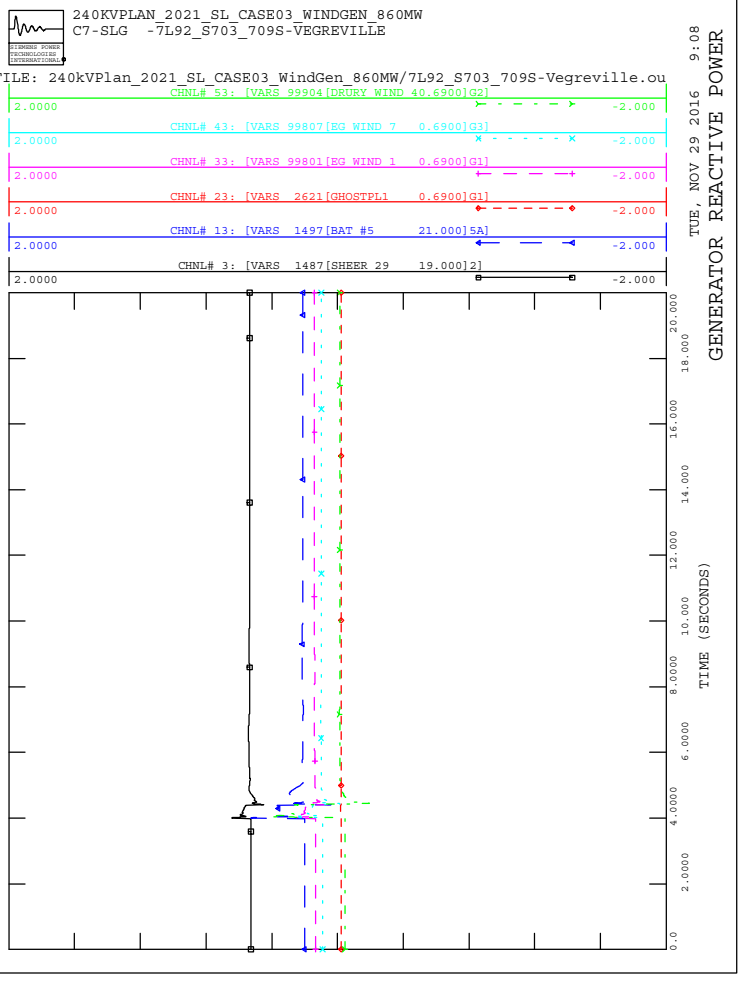
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_S703_709S-Vegreville.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_S703_709S-Vegreville.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_S703_709S-Vegreville.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, NOV 29 2016 9:08
LINE POWER

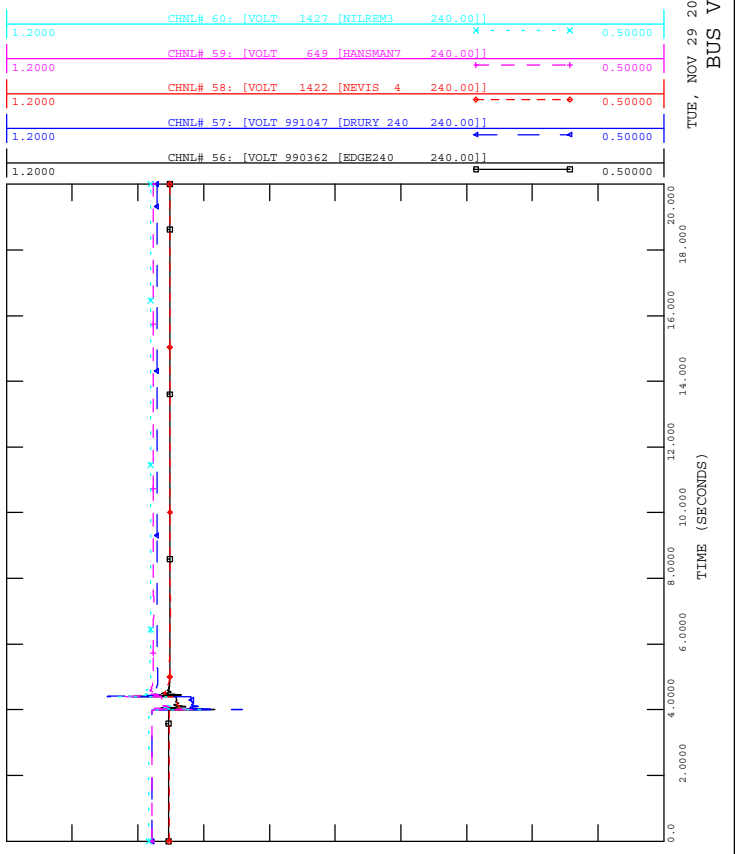

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L92_S703_709S-Vegreville.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_S701_709S-Vegreville.ou

TUE, NOV 29 2016 9:08

BUS VOLTAGE

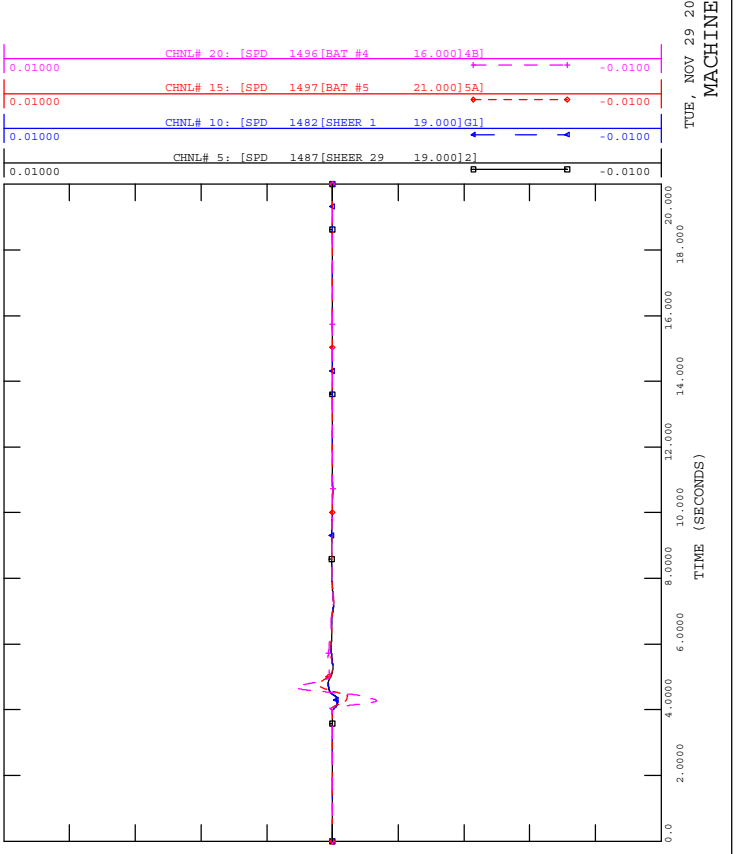


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_S701_709S-Vegreville.ou

TUE, NOV 29 2016 9:08

MACHINE SPEED

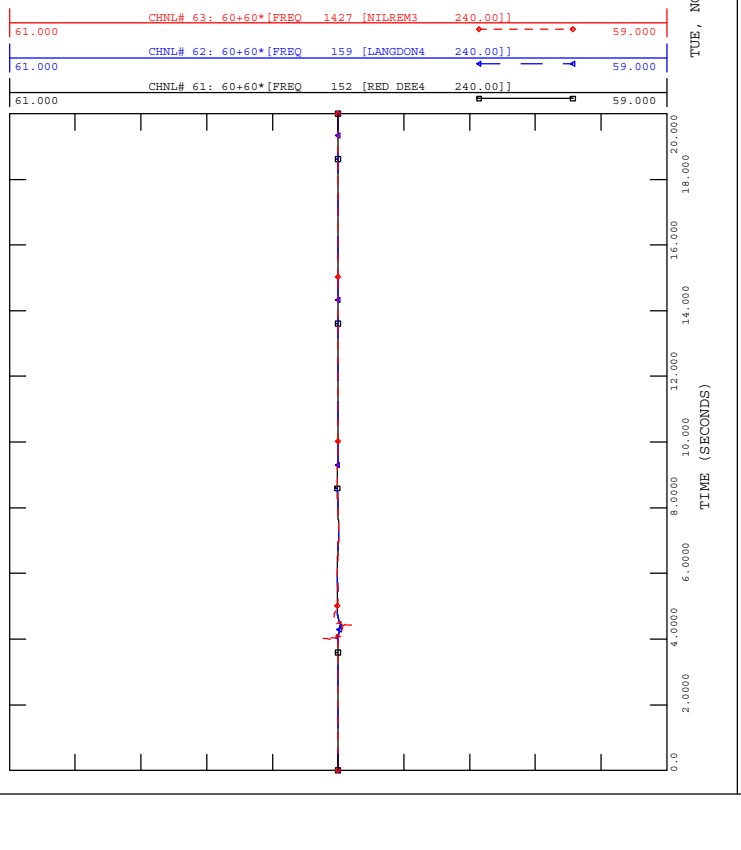


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_S701_709S-Vegreville.ou

TUE, NOV 29 2016 9:08

FREQUENCY

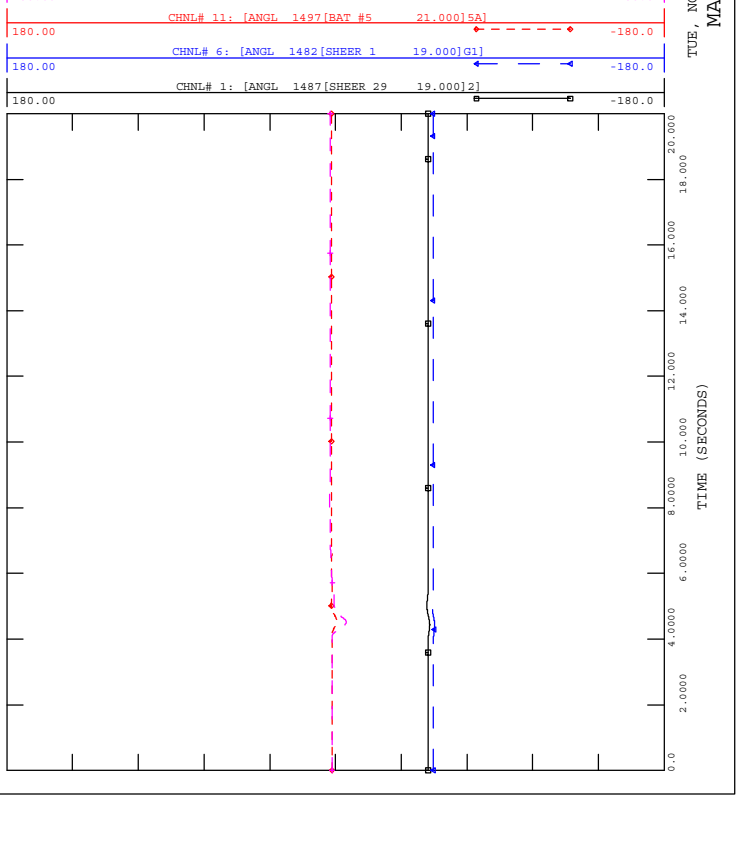


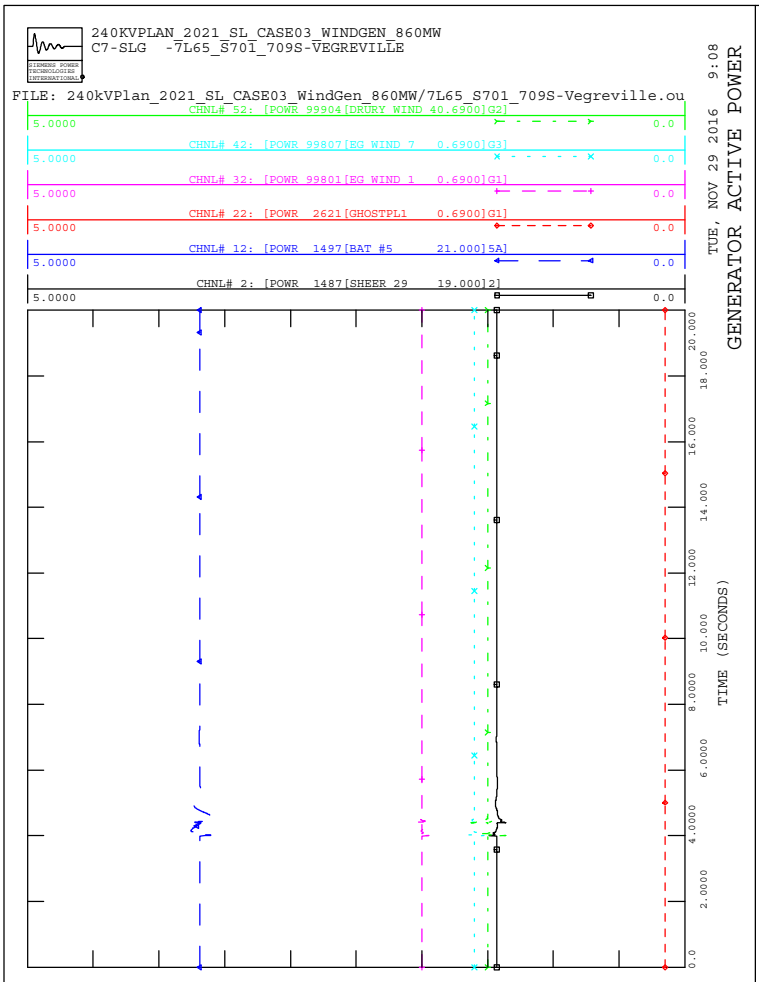
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE

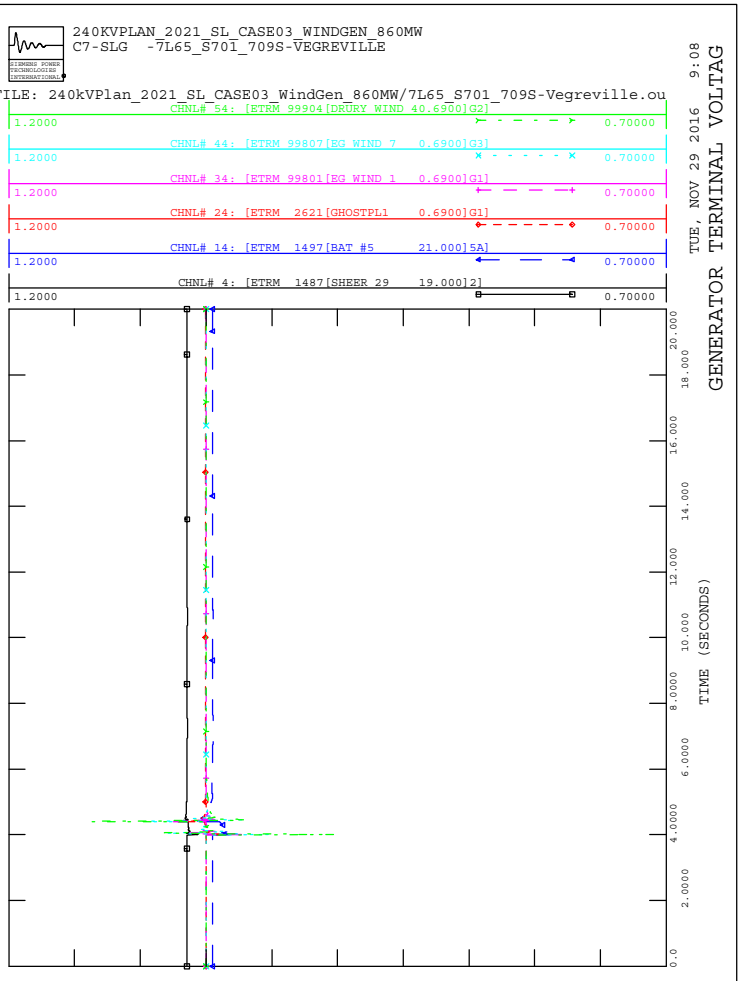
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_S701_709S-Vegreville.ou

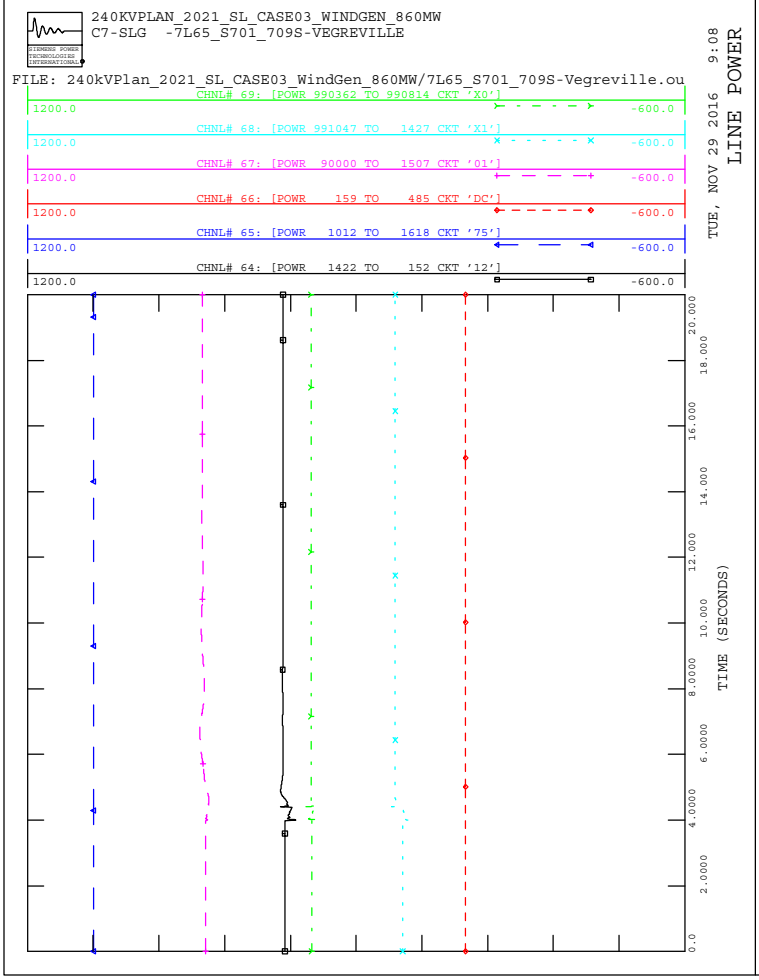
TUE, NOV 29 2016 9:08

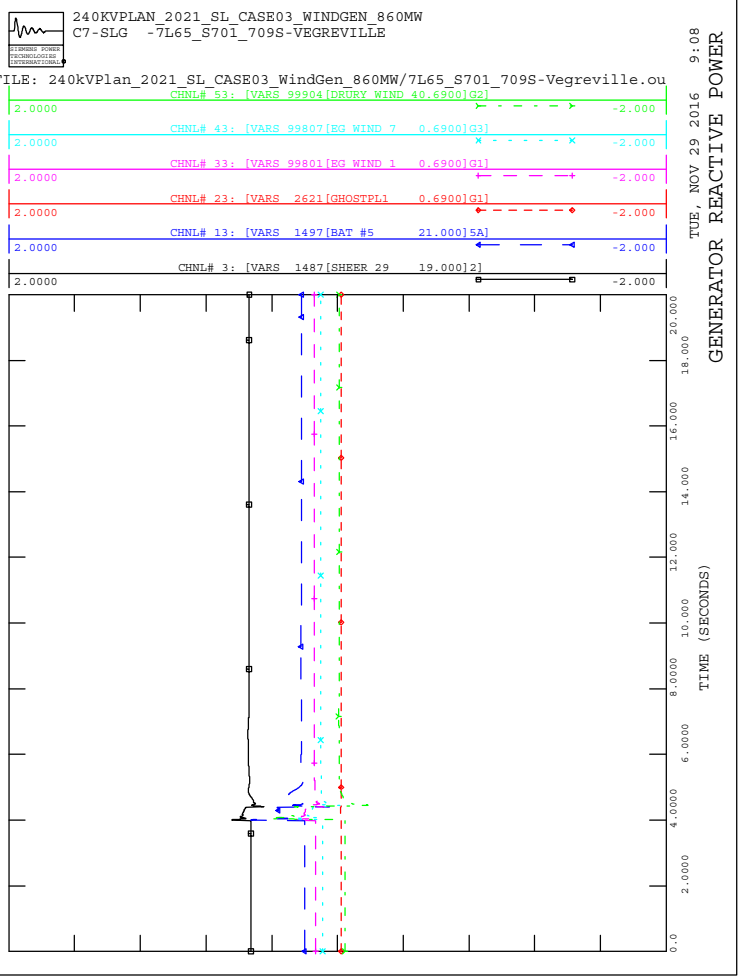
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_S701_709S-Vegreville.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_S701_709S-Vegreville.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_S701_709S-Vegreville.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)

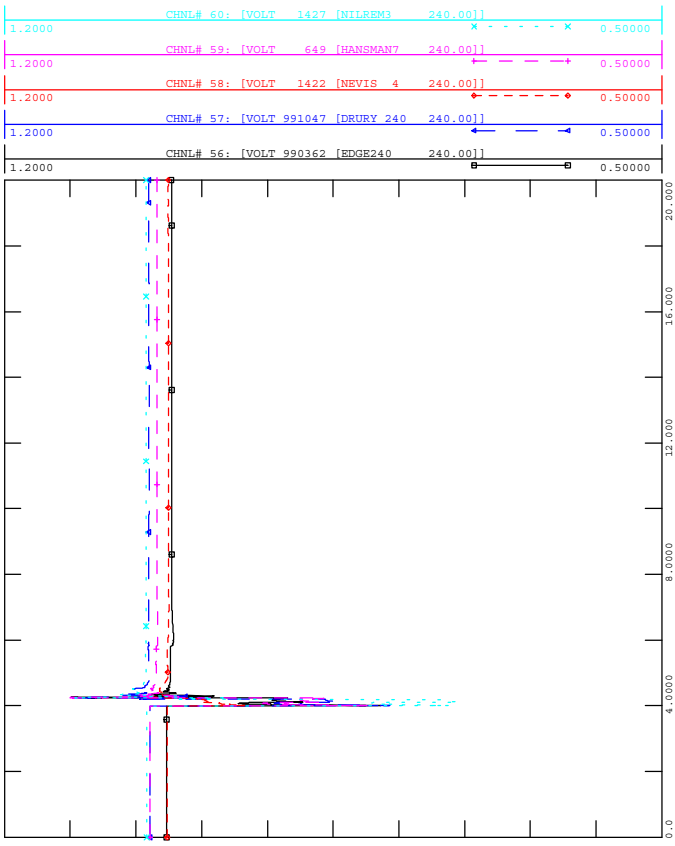

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_S701_709S-Vegreville.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/953L_S552_574S-Nilrem.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

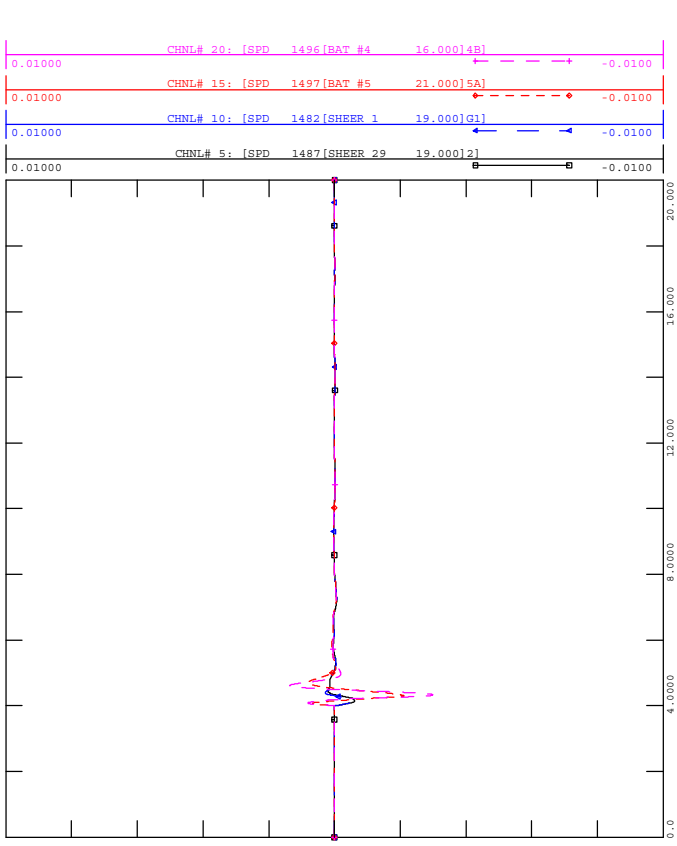


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/953L_S552_574S-Nilrem.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

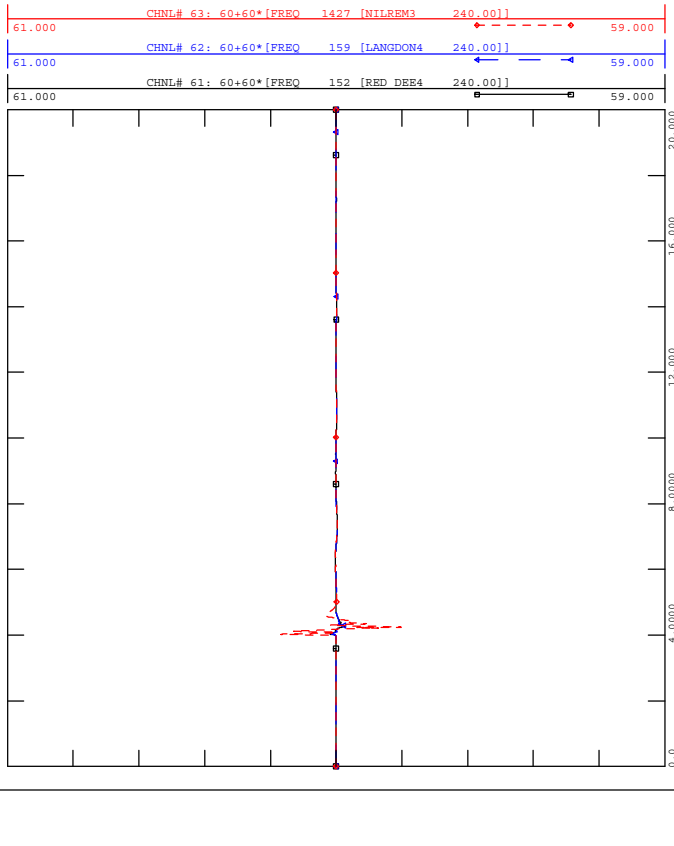


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/953L_S552_574S-Nilrem.out

TUE, NOV 29 2016 9:08

FREQUENCY

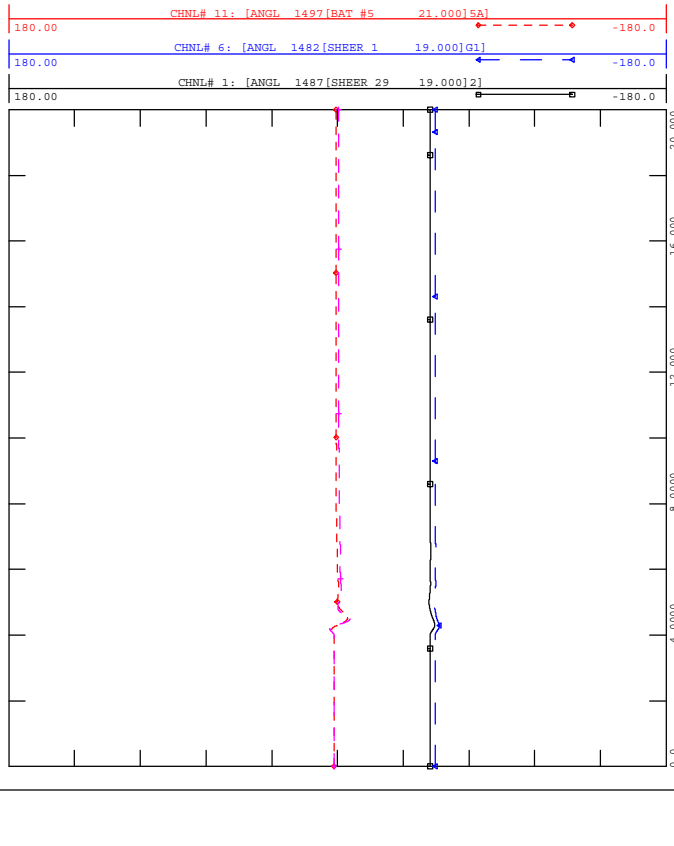


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/953L_S552_574S-Nilrem.out

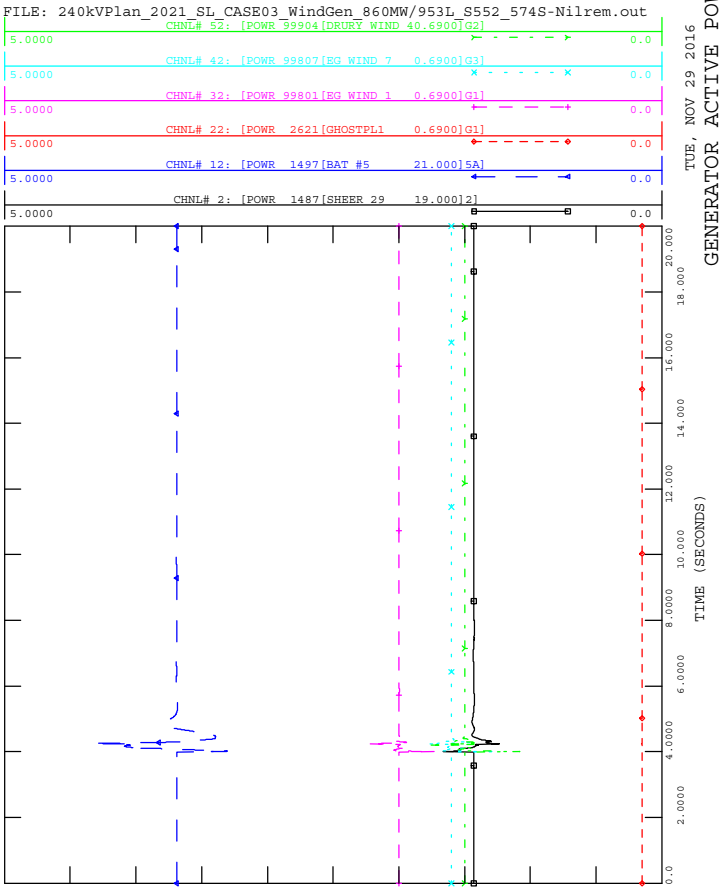
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/953L_S552_574S-Nilrem.out



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM

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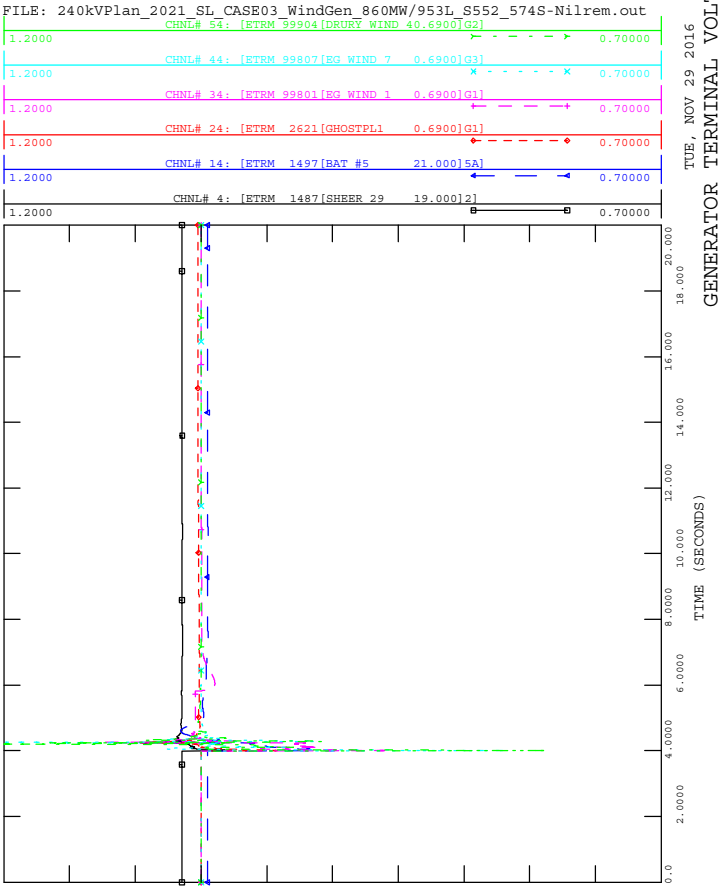
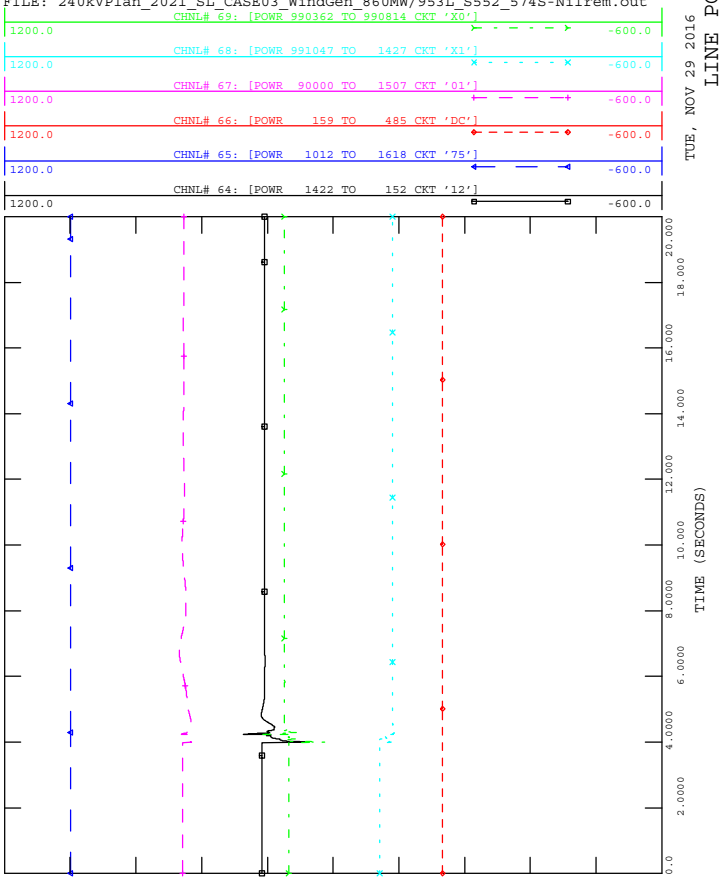


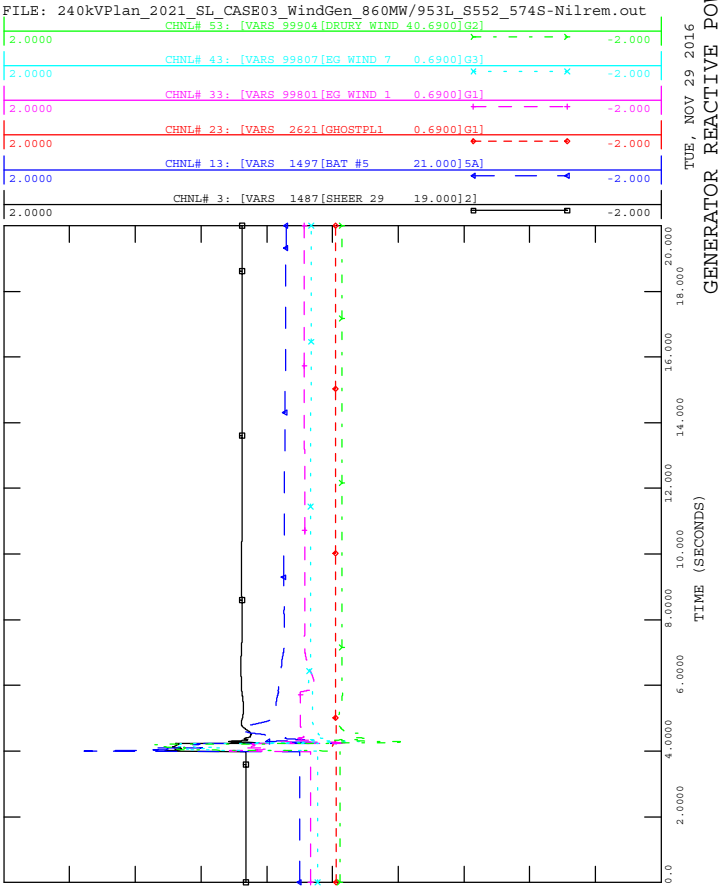
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/953L_S552_574S-Nilrem.out



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/953L_S552_574S-Nilrem.out

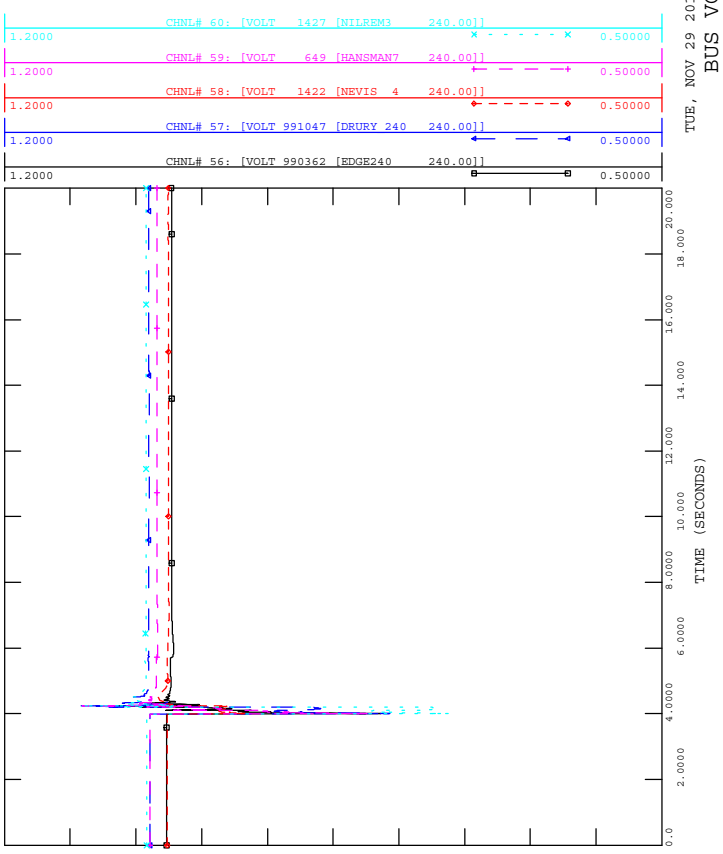


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_S552_574S-Nilrem.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

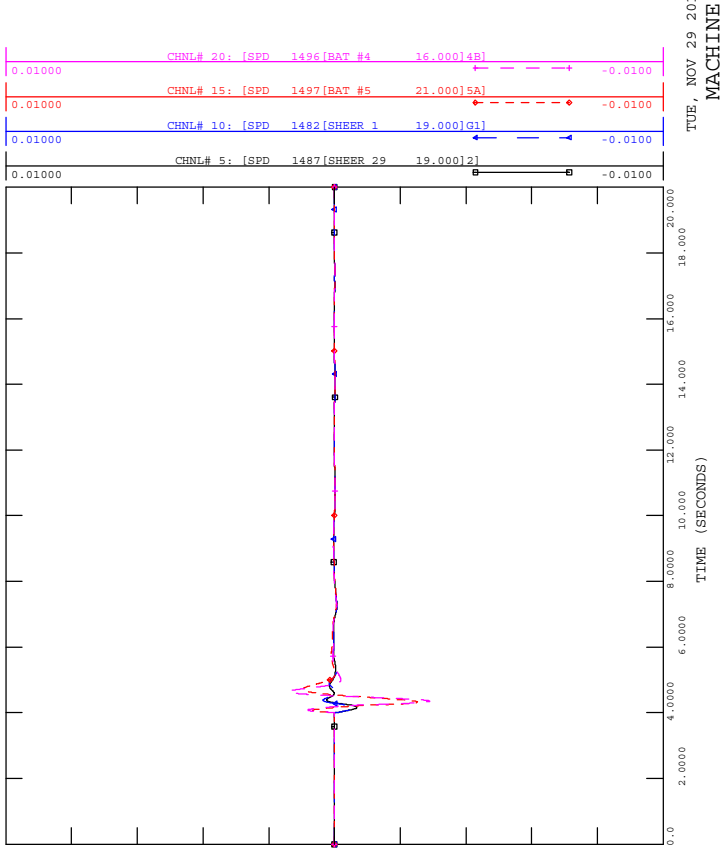


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_S552_574S-Nilrem.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

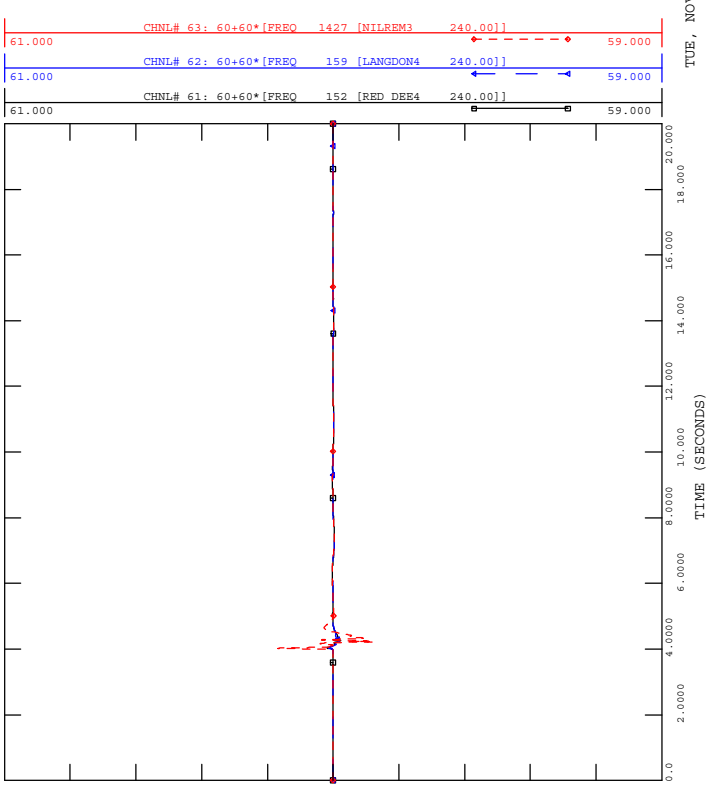


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_S552_574S-Nilrem.out

TUE, NOV 29 2016 9:08

FREQUENCY

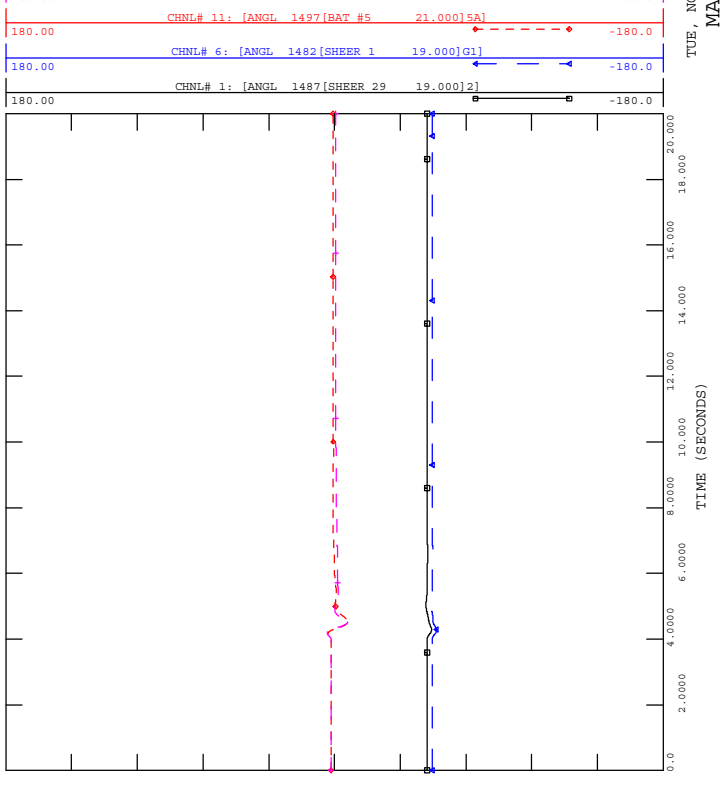


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_S552_574S-Nilrem.out

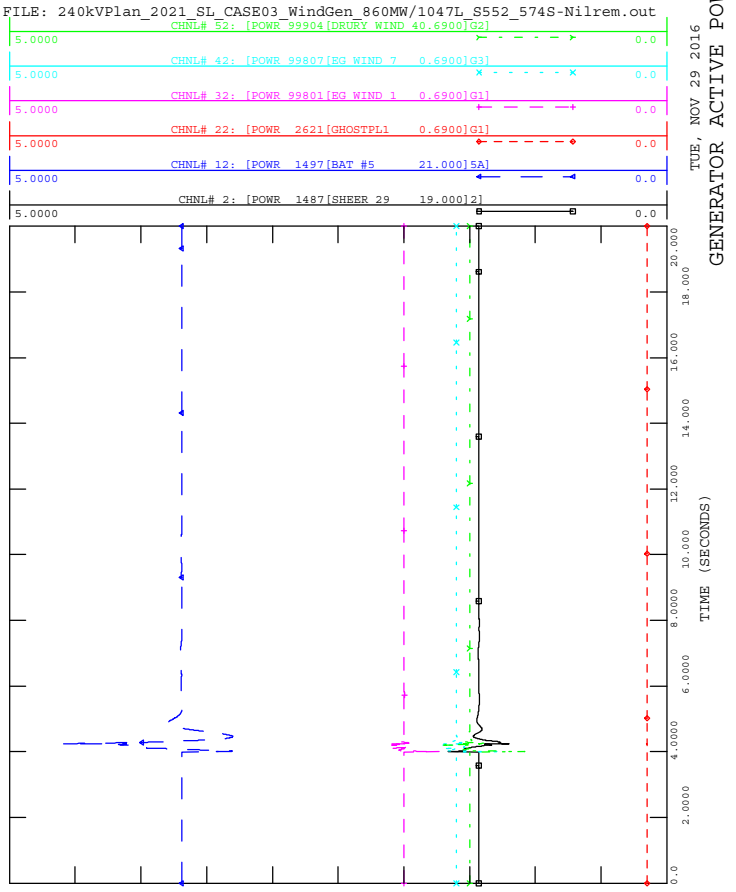
TUE, NOV 29 2016 9:08

MACHINE ANGEL



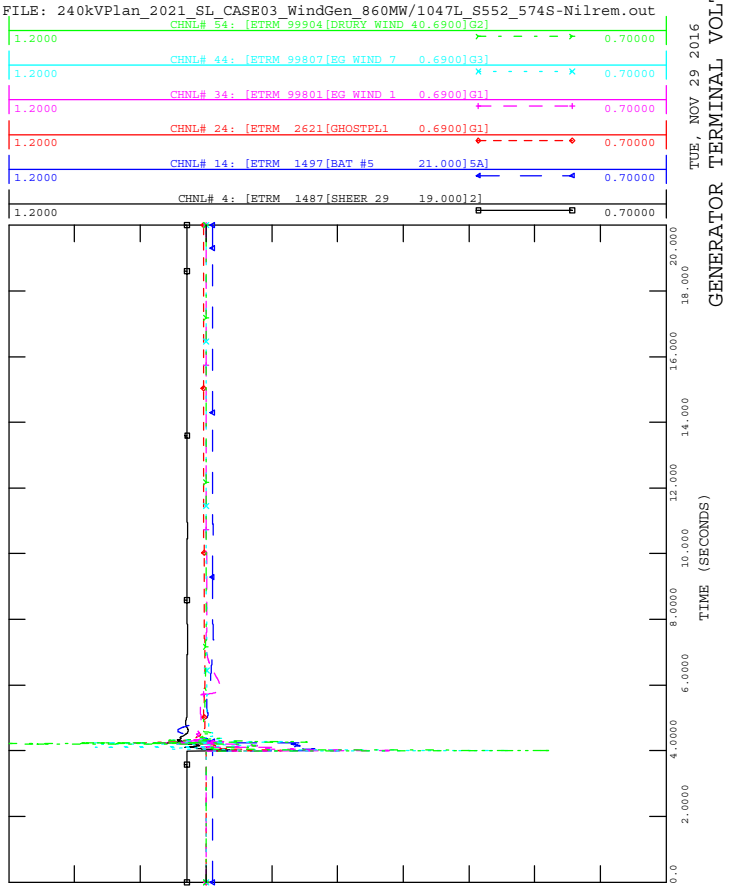
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_S552_574S-Nilrem.out



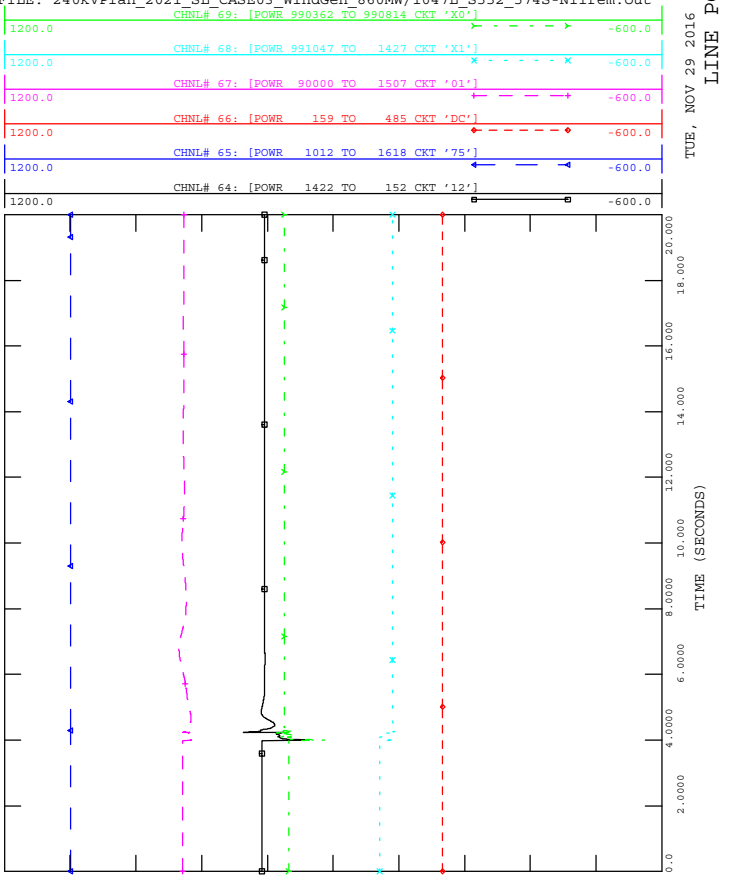
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_S552_574S-Nilrem.out



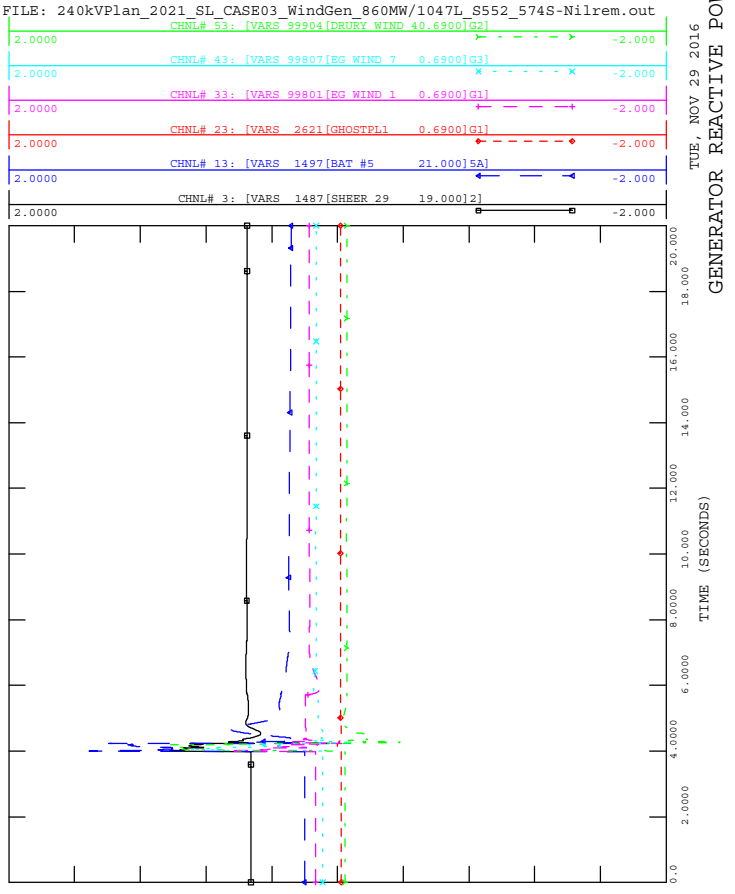
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_S552_574S-Nilrem.out



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/1047L_S552_574S-Nilrem.out

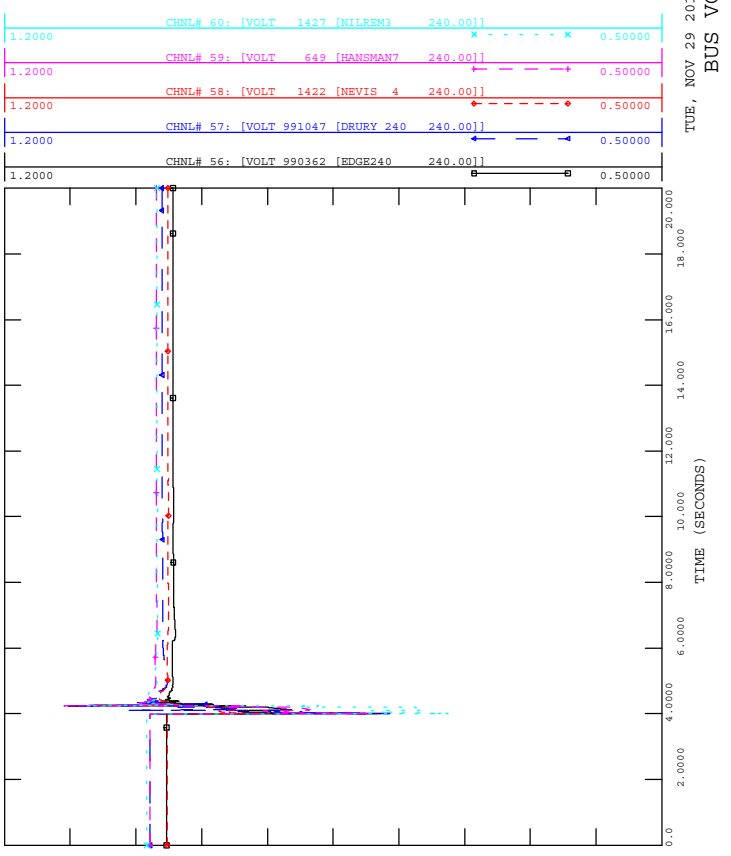


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Nilrem-Drury 240_574S-Ni

TUE, NOV 29 2016 9:08

BUS VOLTAGE

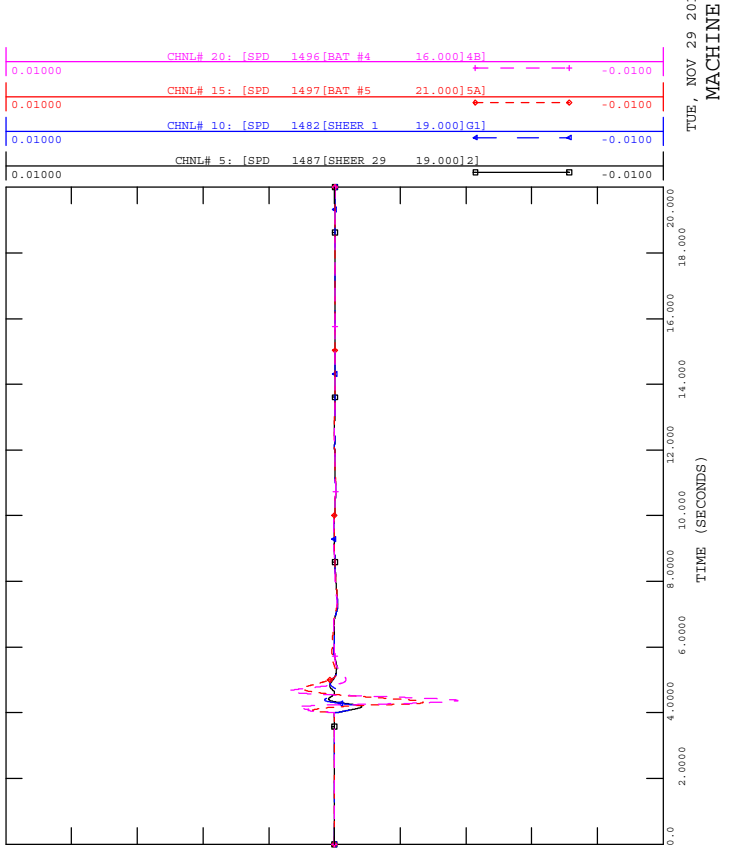


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Nilrem-Drury 240_574S-Ni

TUE, NOV 29 2016 9:08

MACHINE SPEED

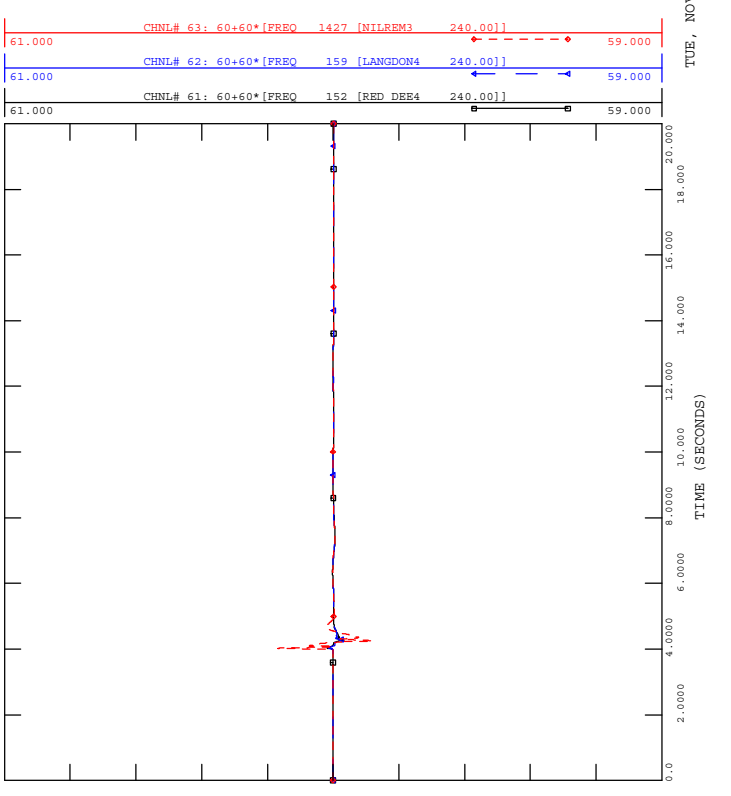


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Nilrem-Drury 240_574S-Ni

TUE, NOV 29 2016 9:08

FREQUENCY

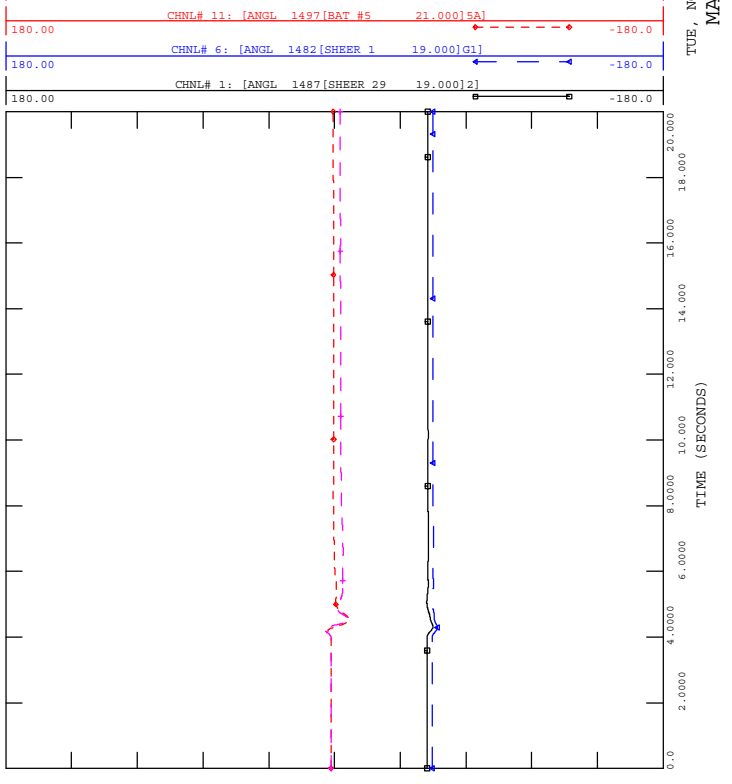


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Nilrem-Drury 240_574S-Ni

TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Nilrem-Drury 240_574S-Ni

TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2] 5.0000 0.0
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3] 5.0000 0.0
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1] 5.0000 0.0
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1] 5.0000 0.0
CHNL# 12: [POWR 1497[BAT #5 21.000]5A] 5.0000 0.0
CHNL# 2: [POWR 1487[SHEER 29 19.000]2] 5.0000 0.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Nilrem-Drury 240_574S-Ni

TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2] 1.2000 0.70000
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3] 1.2000 0.70000
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1] 1.2000 0.70000
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1] 1.2000 0.70000
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A] 1.2000 0.70000
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Nilrem-Drury 240_574S-Ni

TUE, NOV 29 2016 9:08

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0'] 1200.0 -600.0
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1'] 1200.0 -600.0
CHNL# 67: [POWR 90000 TO 1507 CKT '01'] 1200.0 -600.0
CHNL# 66: [POWR 159 TO 485 CKT 'DC'] 1200.0 -600.0
CHNL# 65: [POWR 1012 TO 1618 CKT '75'] 1200.0 -600.0
CHNL# 64: [POWR 1422 TO 152 CKT '12'] 1200.0 -600.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Nilrem-Drury 240_574S-Ni

TUE, NOV 29 2016 9:08

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2] 2.0000 -2.000
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3] 2.0000 -2.000
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1] 2.0000 -2.000
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1] 2.0000 -2.000
CHNL# 13: [VARS 1497[BAT #5 21.000]5A] 2.0000 -2.000
CHNL# 3: [VARS 1487[SHEER 29 19.000]2] 2.0000 -2.000

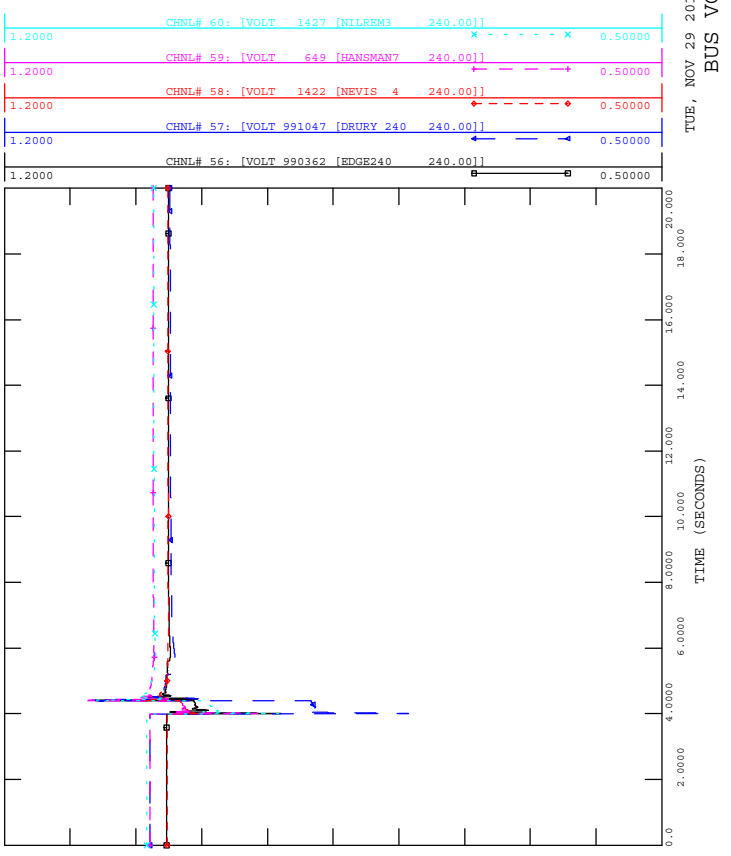
TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_2007S_2007S-Drury.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

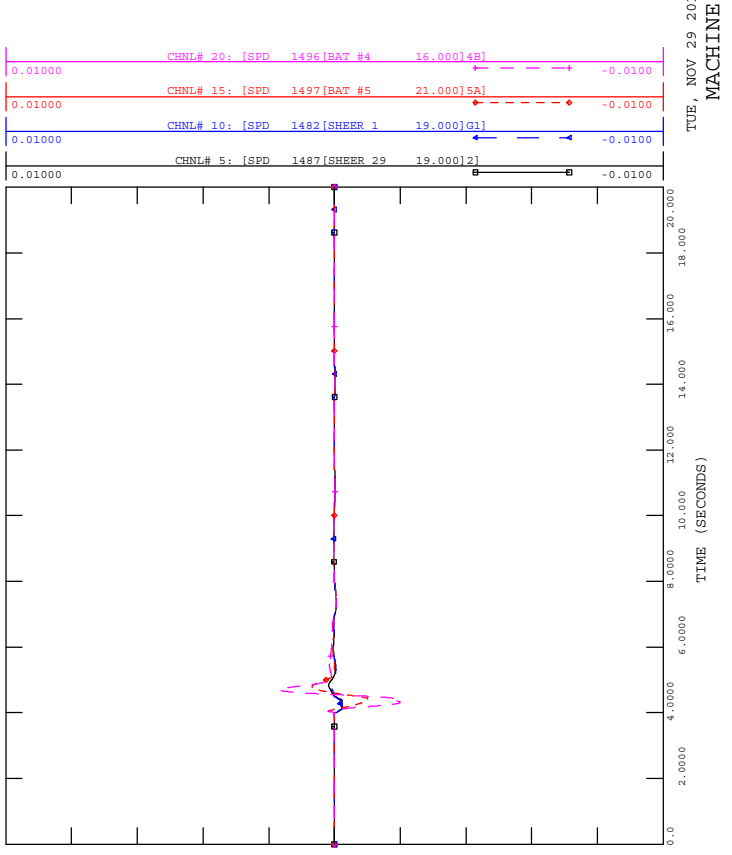


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_2007S_2007S-Drury.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

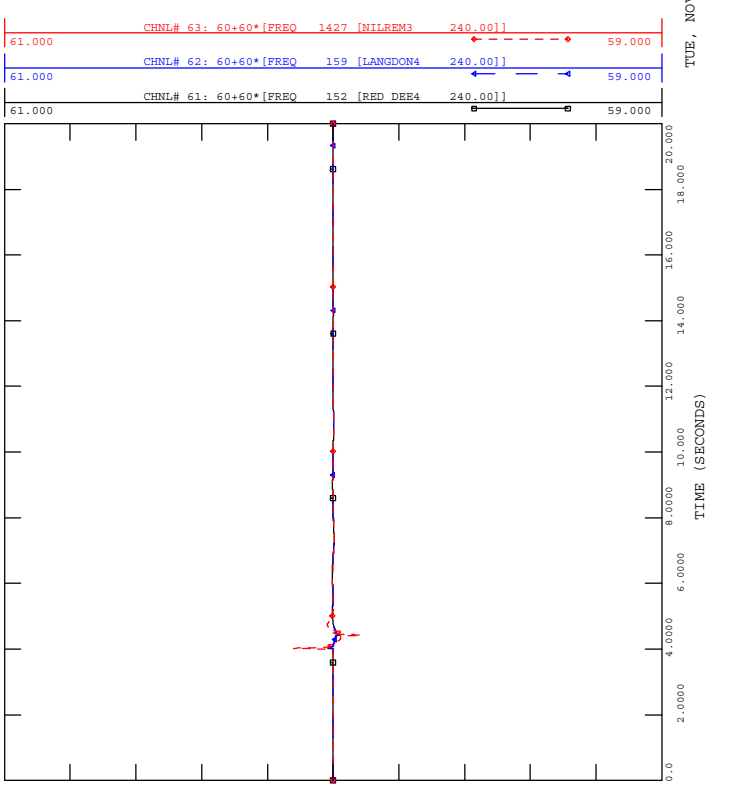


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_2007S_2007S-Drury.out

TUE, NOV 29 2016 9:08

FREQUENCY

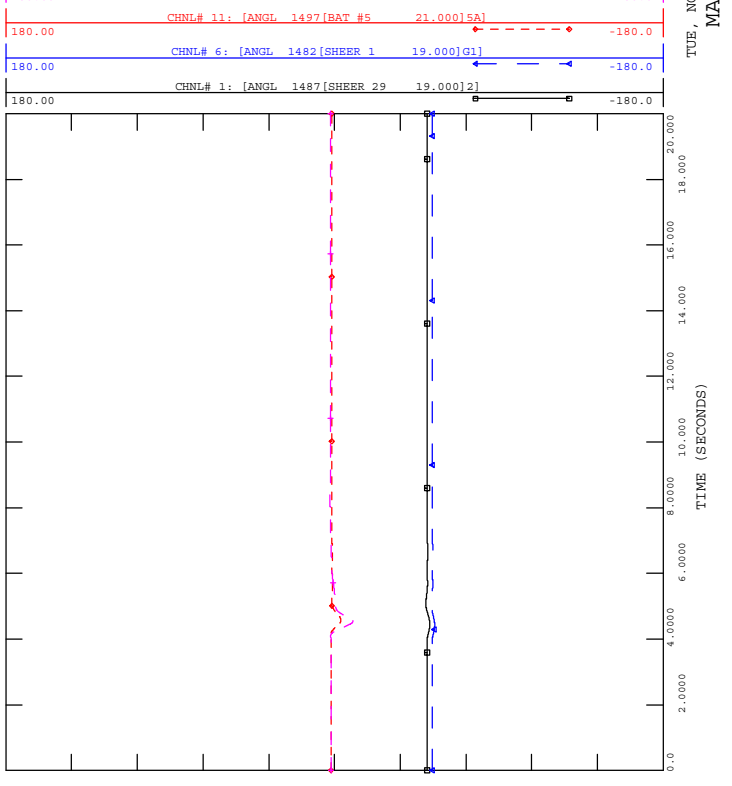


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_2007S_2007S-Drury.out

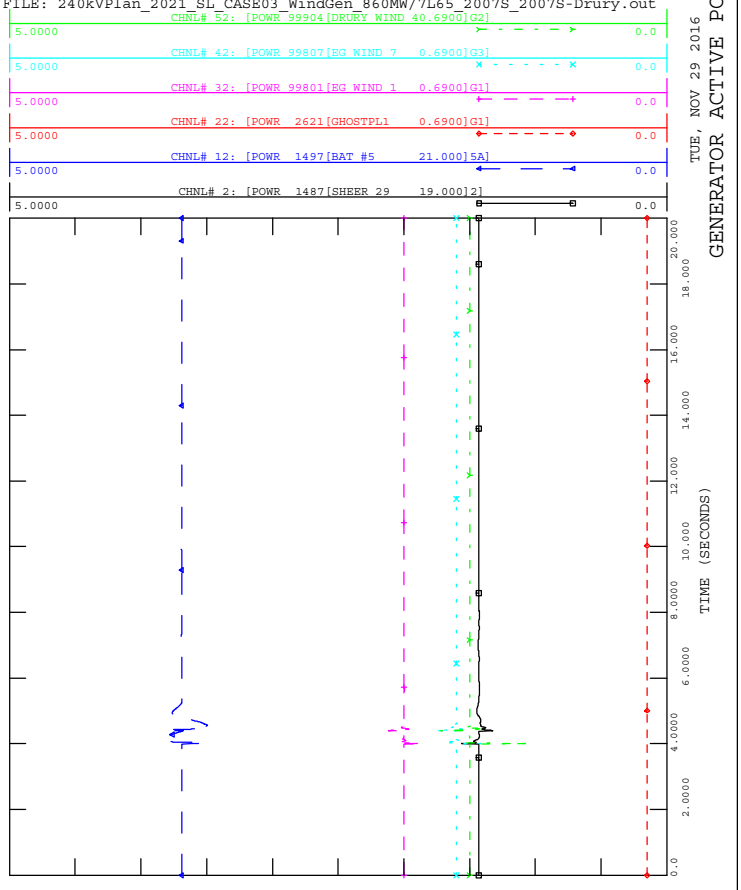
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_2007S_2007S-Drury.out

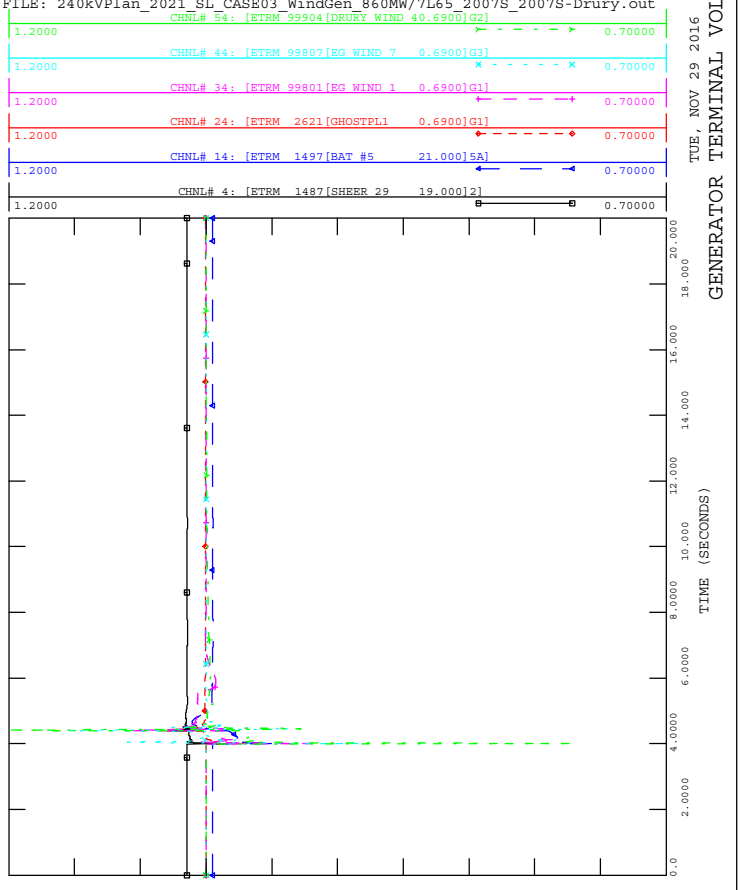


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_2007S_2007S-Drury.out

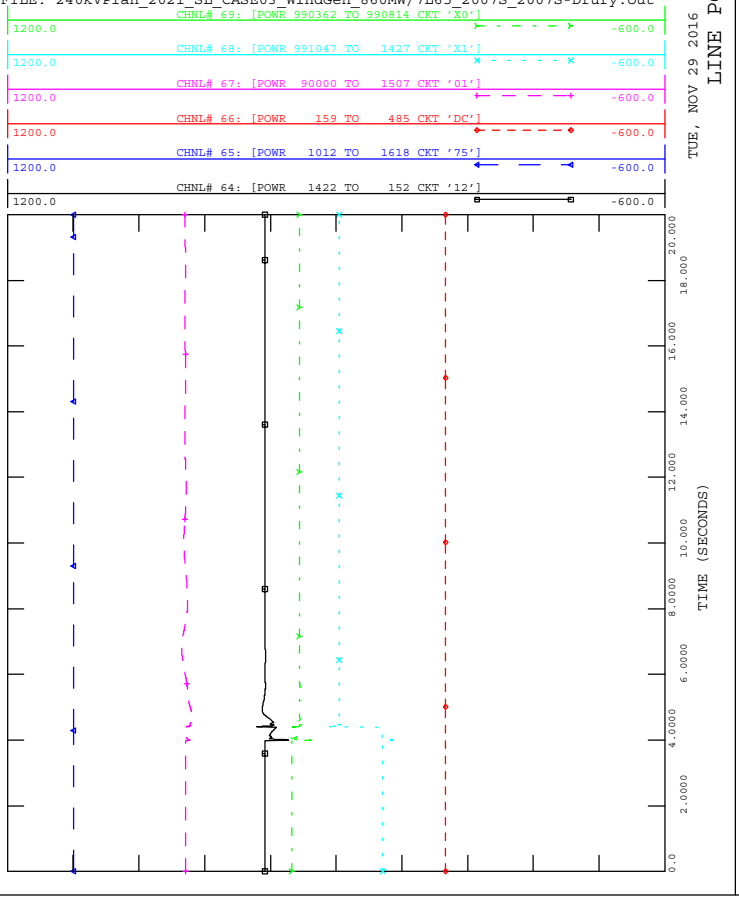


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_2007S_2007S-Drury.out

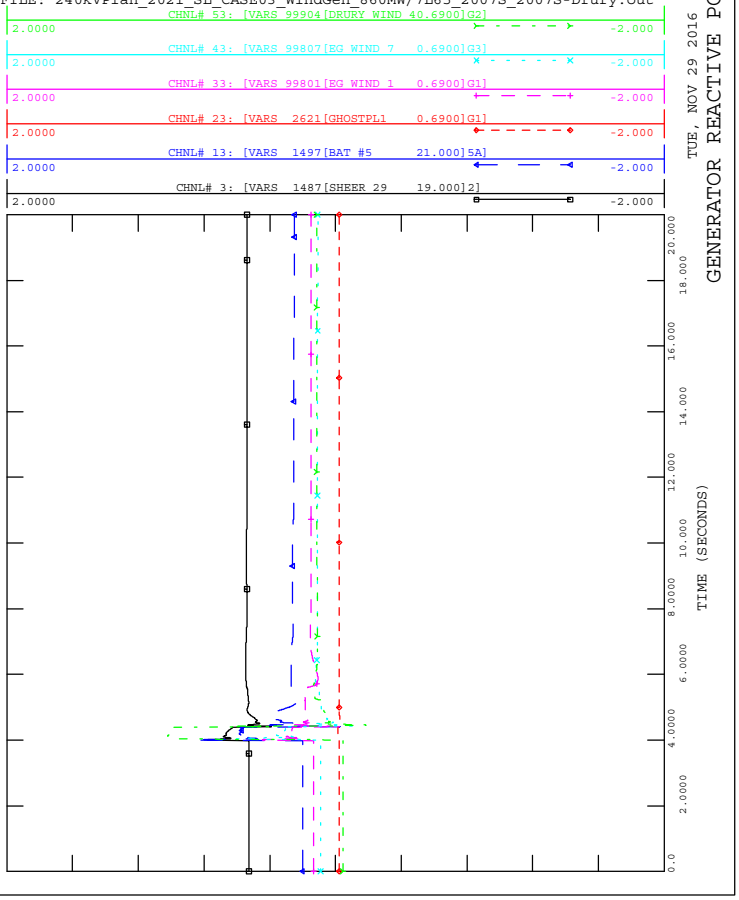


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L65_2007S_2007S-Drury.out



TUE, NOV 29 2016 9:08

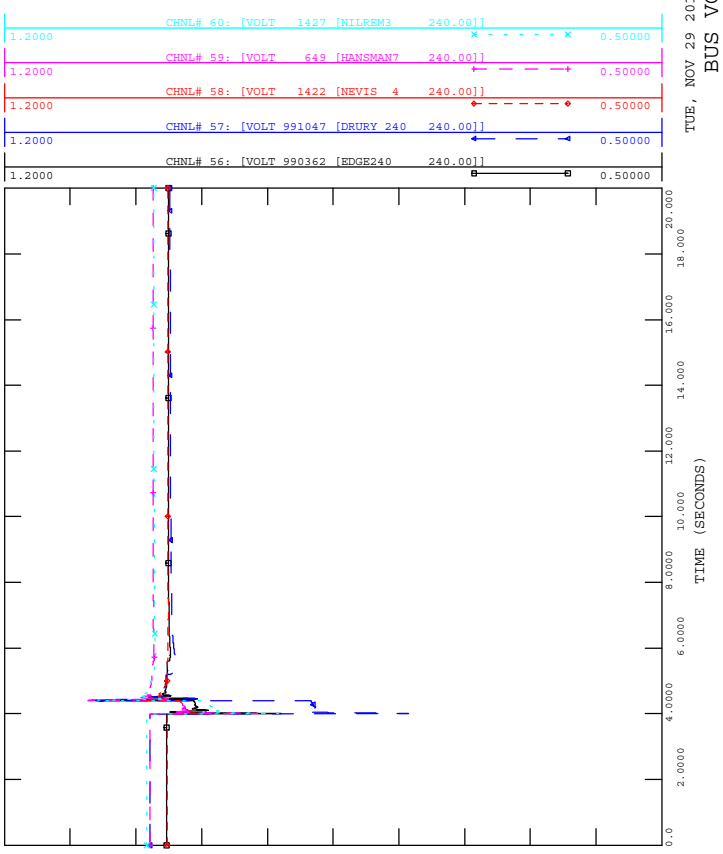
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_2007S_2007S-Drury.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY

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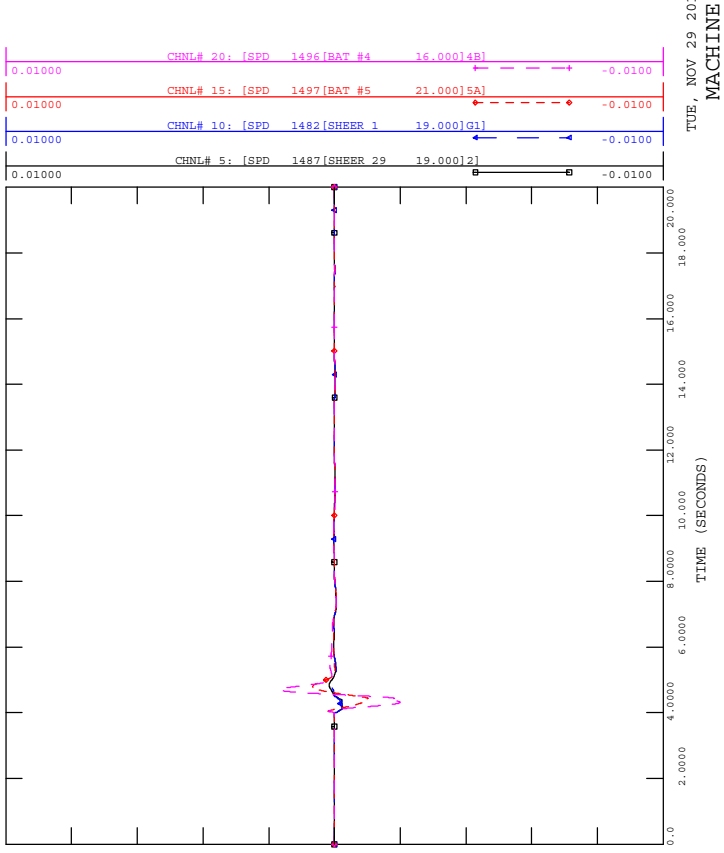
TUE, NOV 29 2016 9:08

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY

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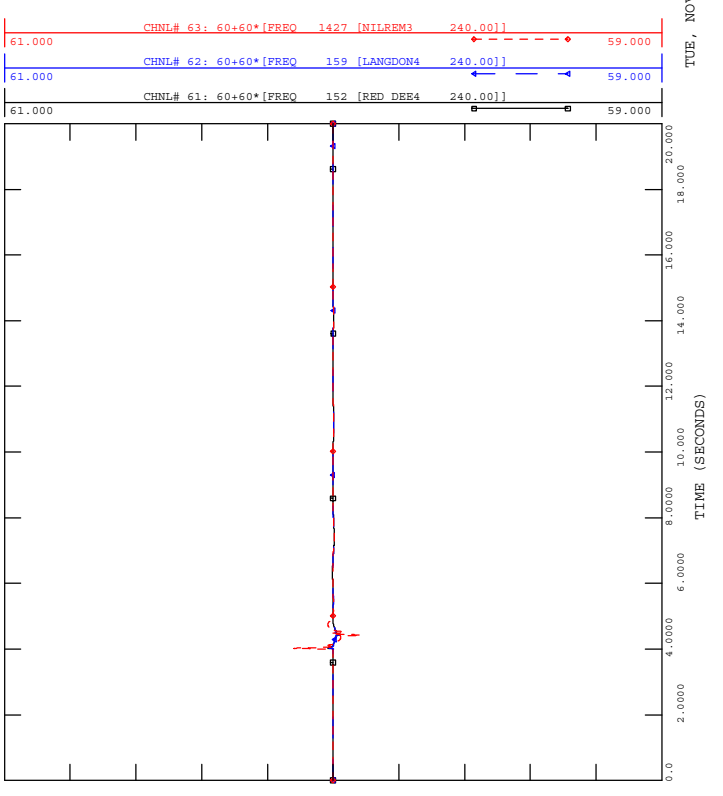
TUE, NOV 29 2016 9:08

FREQUENCY



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C7-SLG -7L205_2007S_2007S-DRURY

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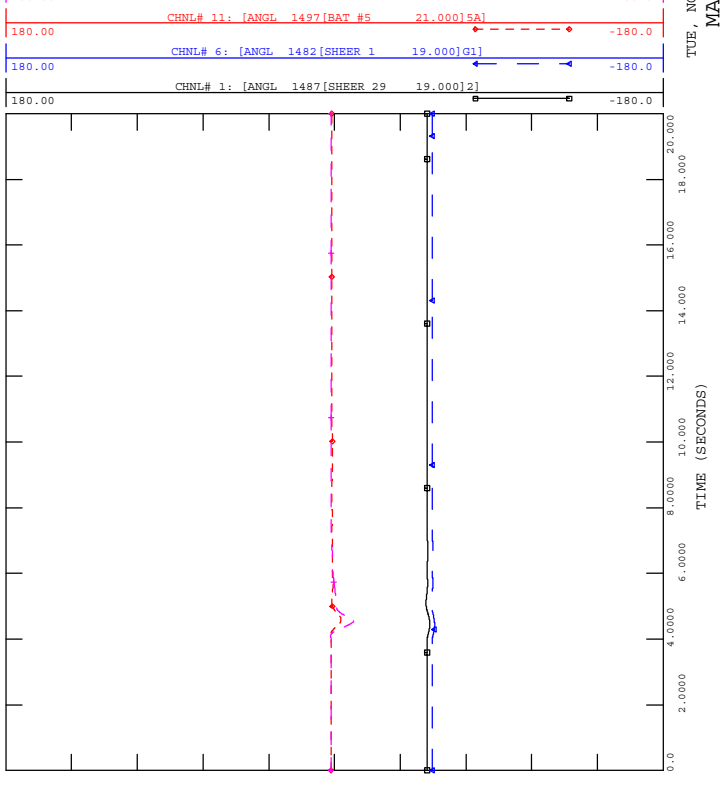
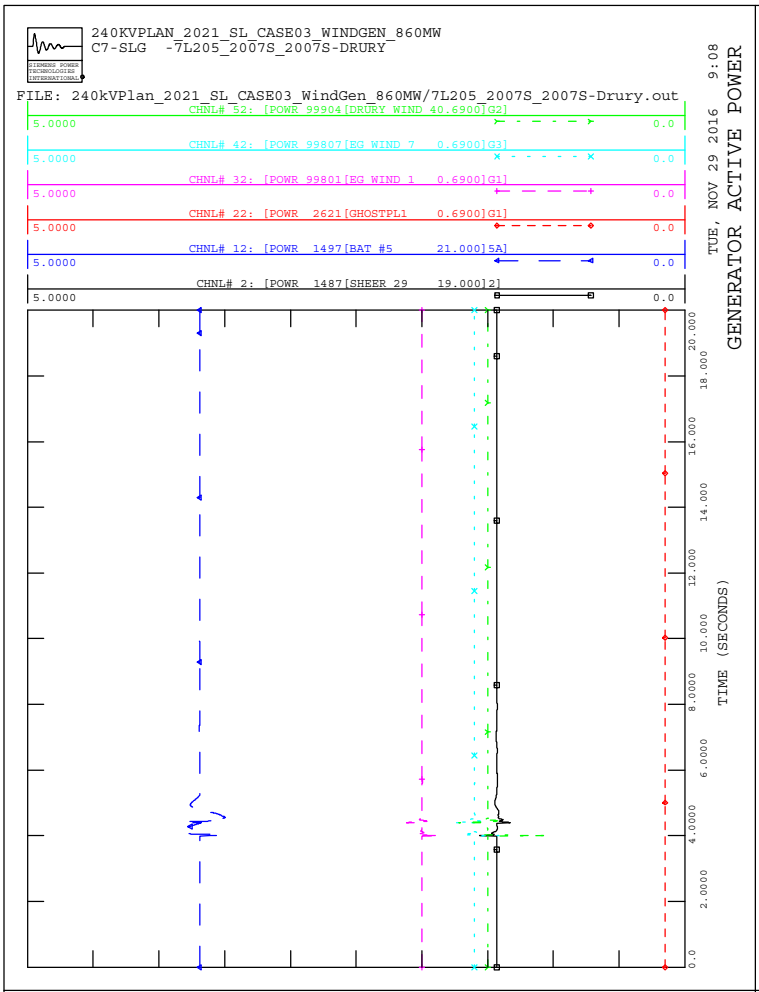
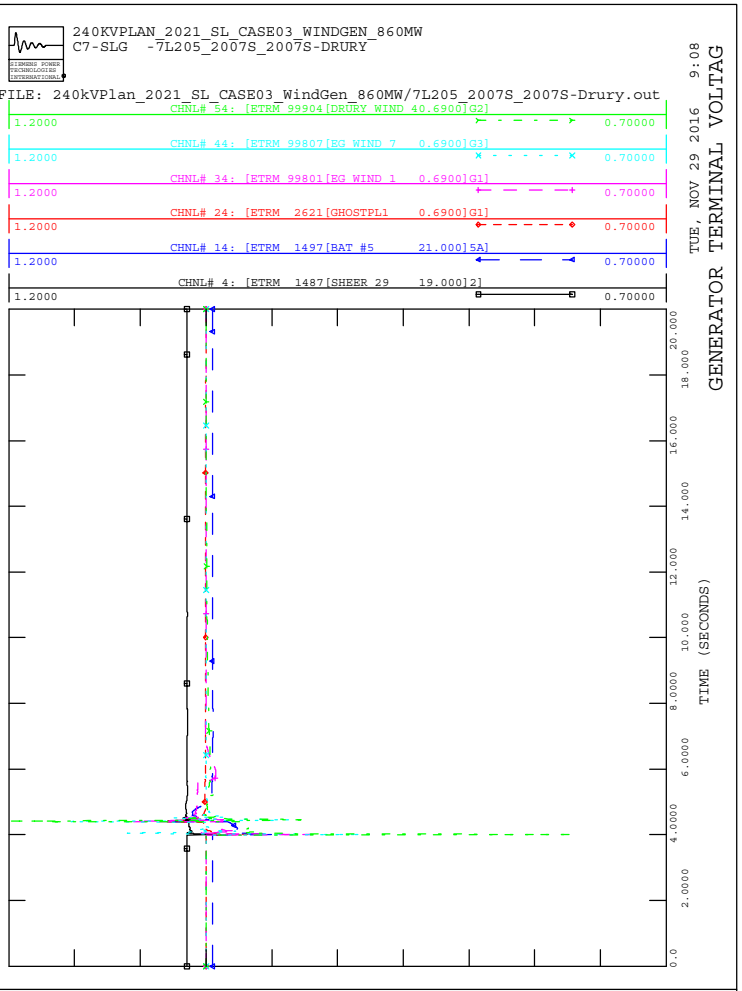
TUE, NOV 29 2016 9:08

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_2007S_2007S-Drury.out
9:08 TUE, NOV 29 2016
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_2007S_2007S-Drury.out
9:08 TUE, NOV 29 2016
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
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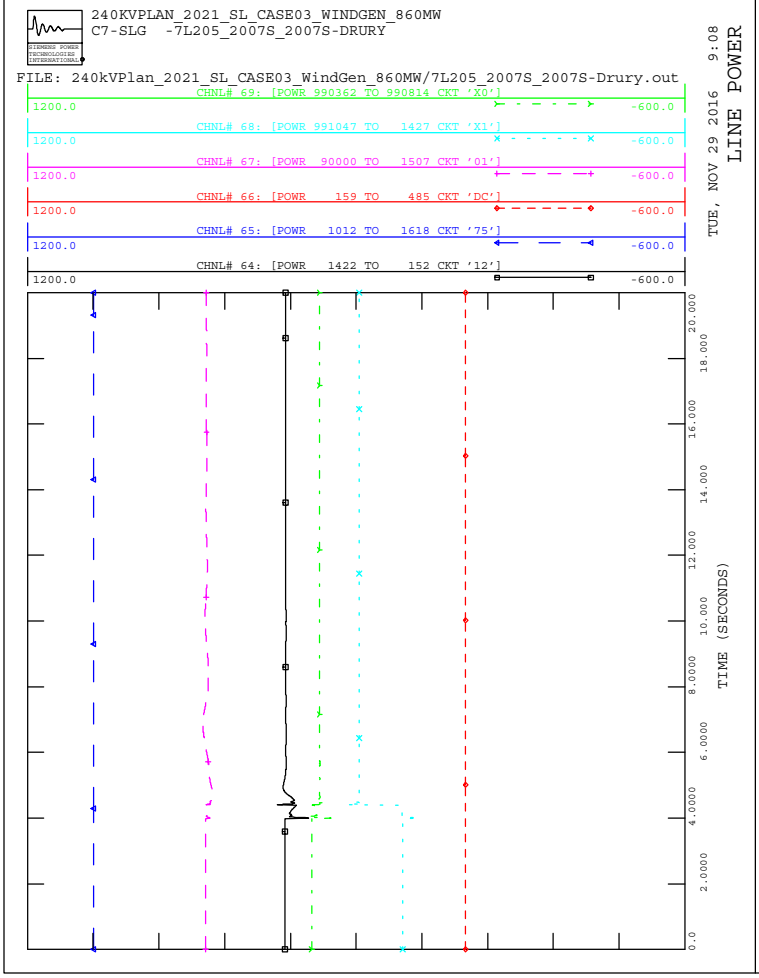
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_2007S_2007S-Drury.out
9:08 TUE, NOV 29 2016
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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18.000
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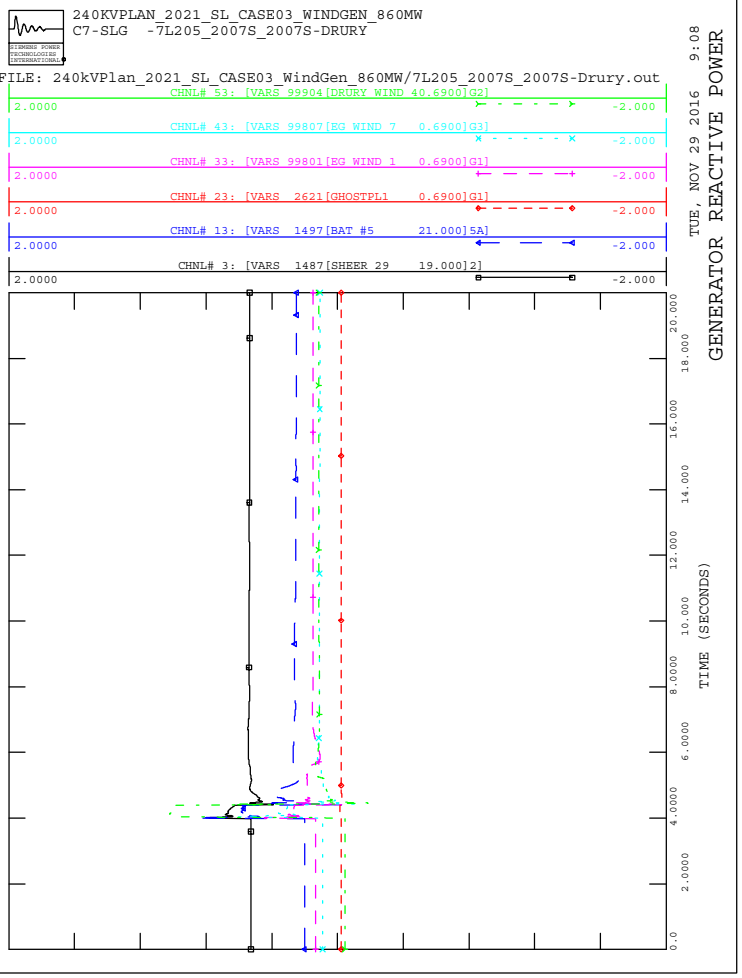
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L205_2007S_2007S-Drury.out
9:08 TUE, NOV 29 2016
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
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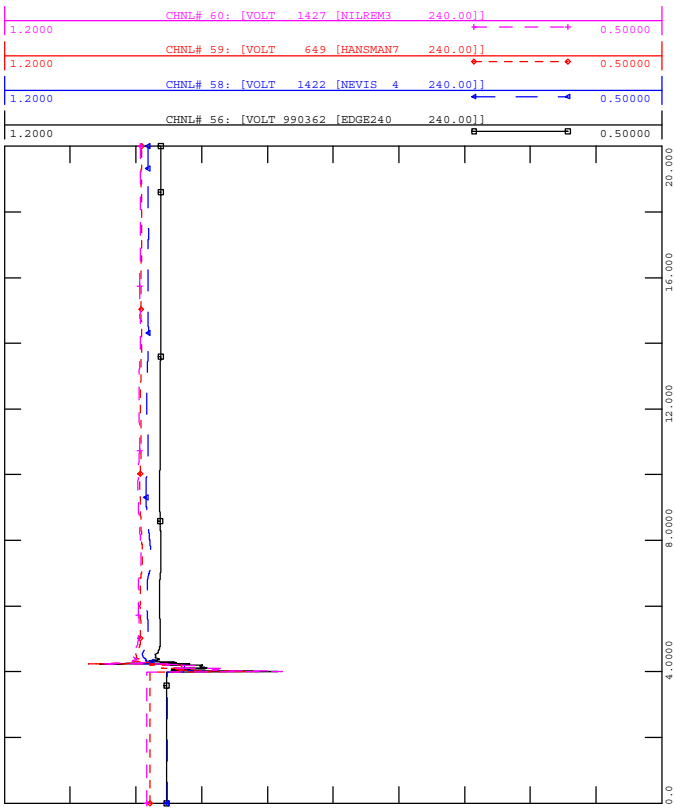
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:08

BUS VOLTAGE

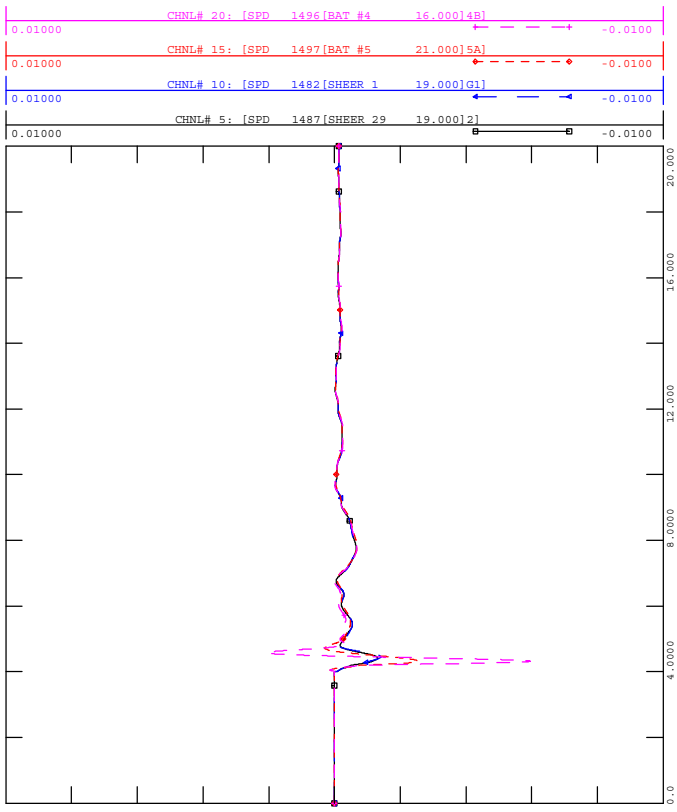


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:08

MACHINE SPEED

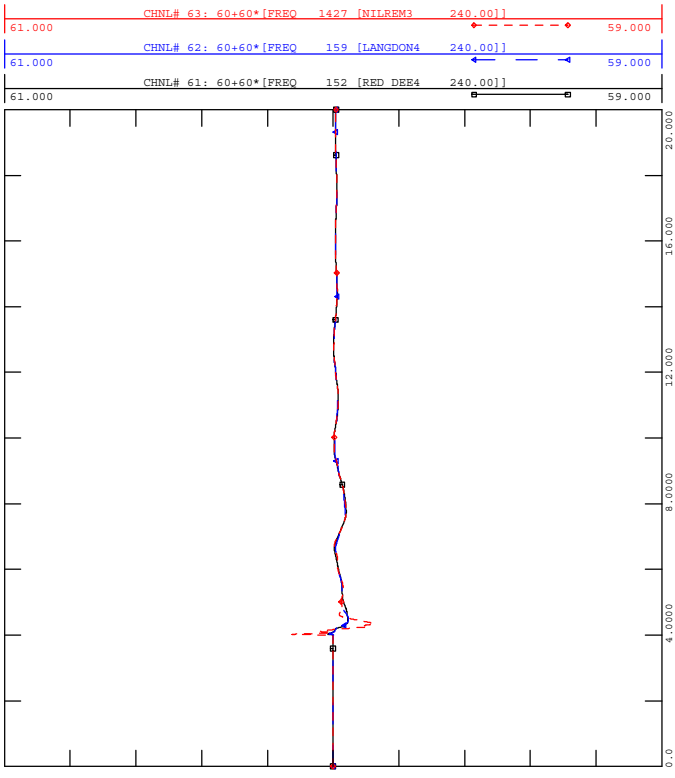


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:08

FREQUENCY

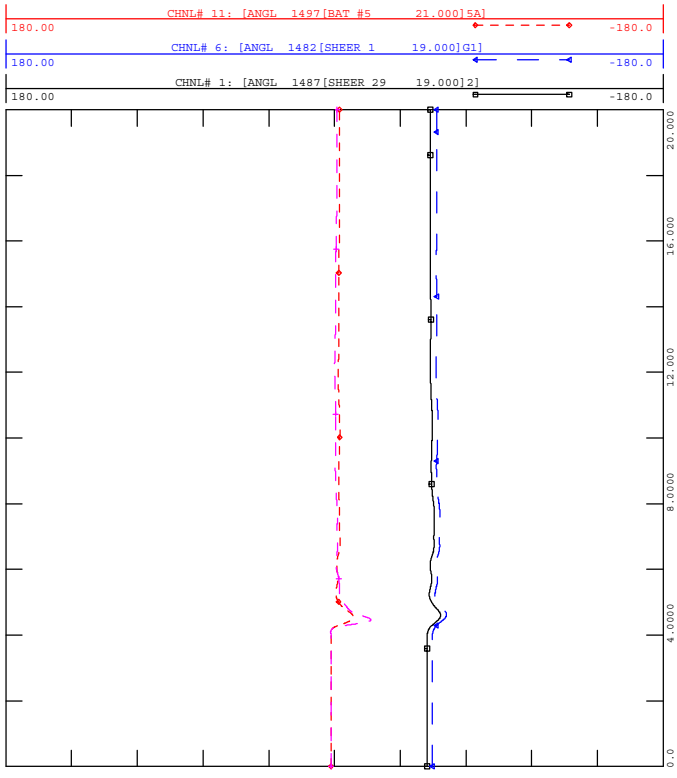


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:08

MACHINE ANGEL

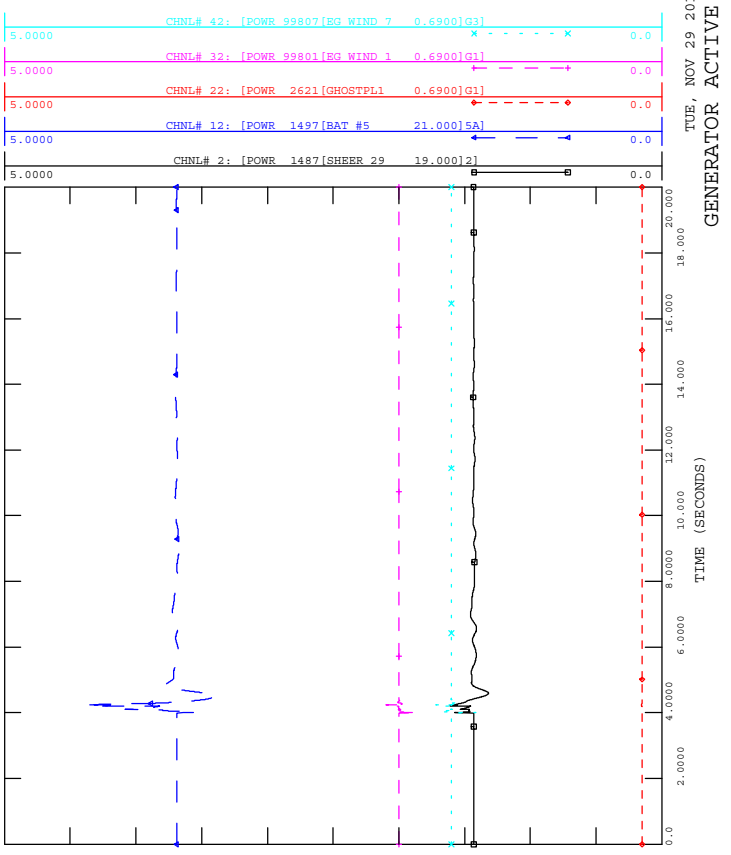


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

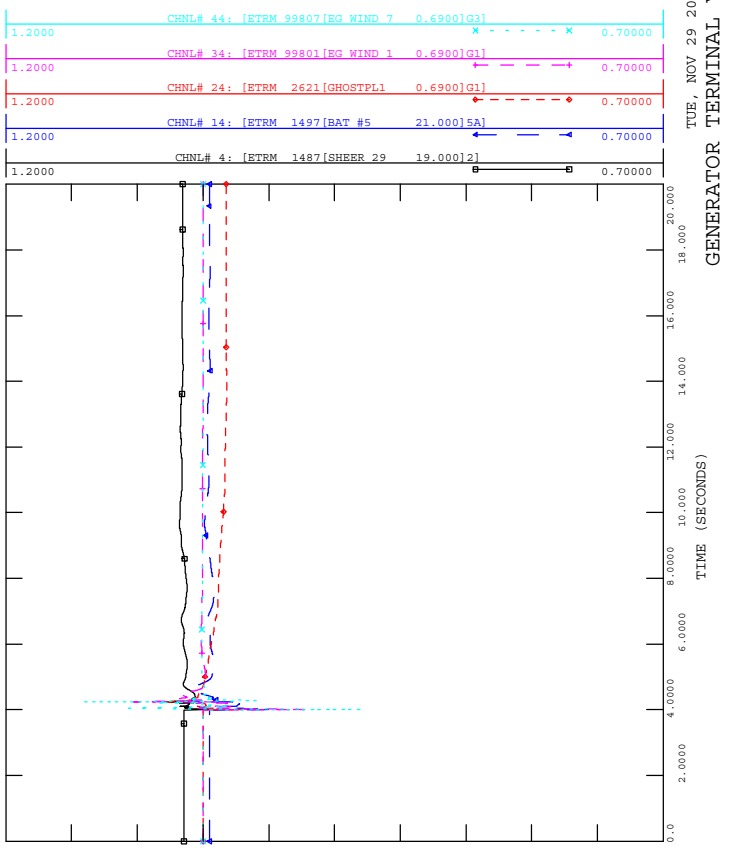


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

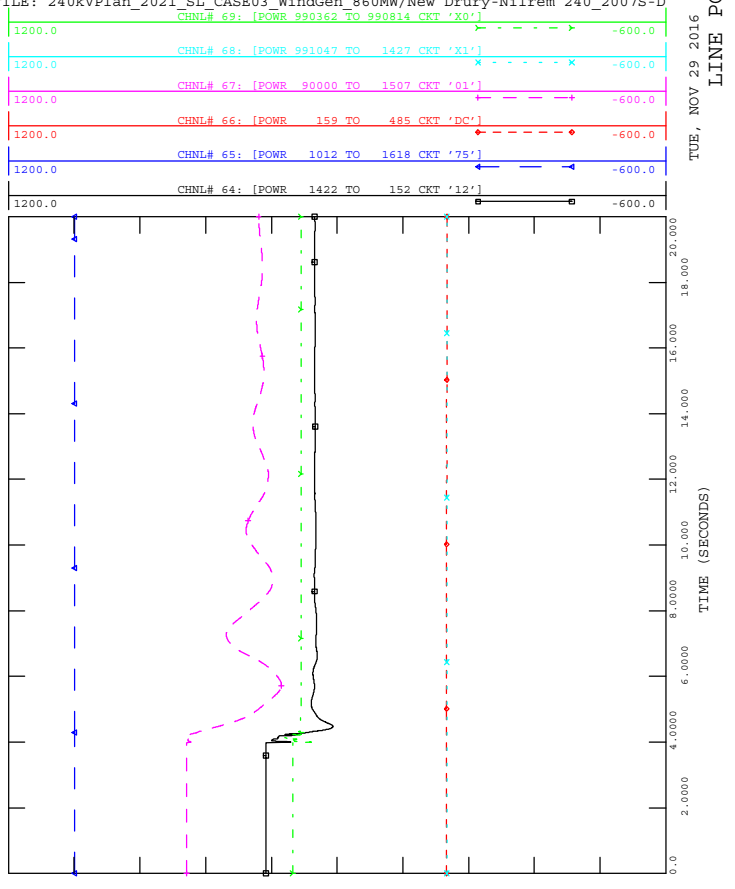


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:08

LINE POWER

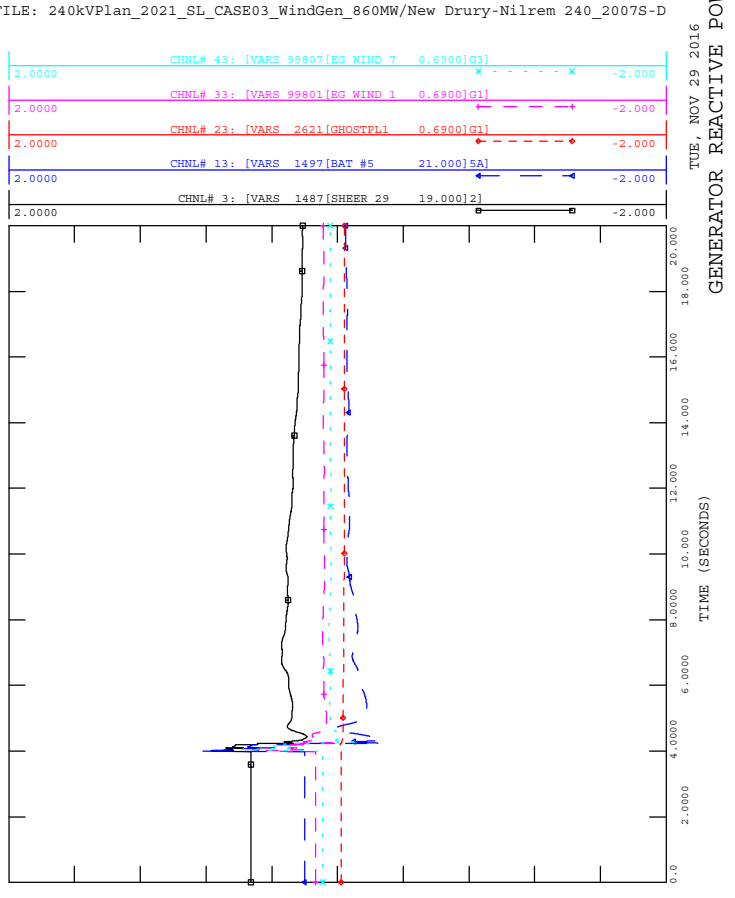


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:08

GENERATOR REACTIVE POWER

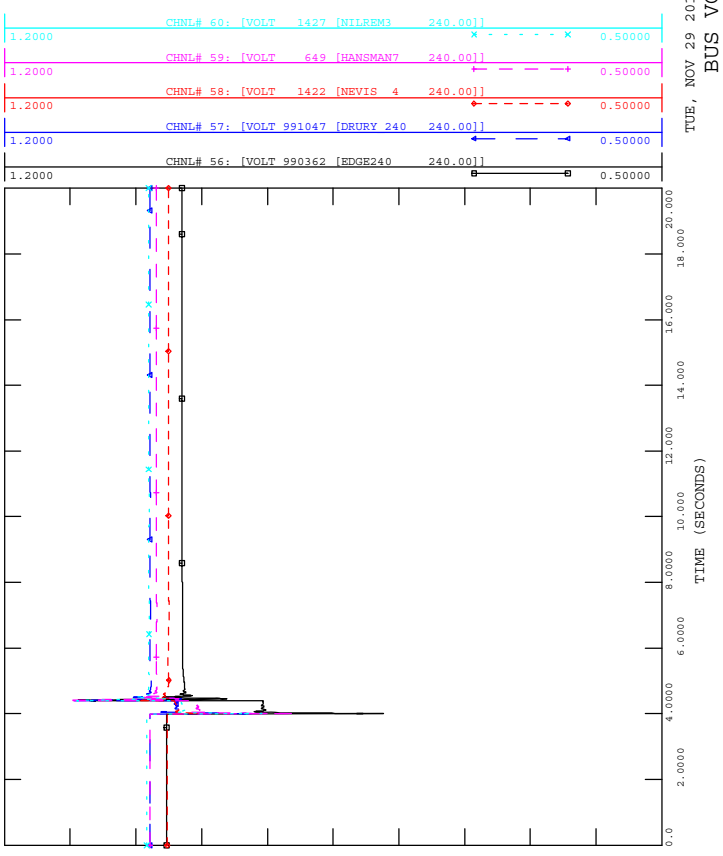


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_S749N_899S-Edgerton.ou

TUE, NOV 29 2016 9:08

BUS VOLTAGE



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON

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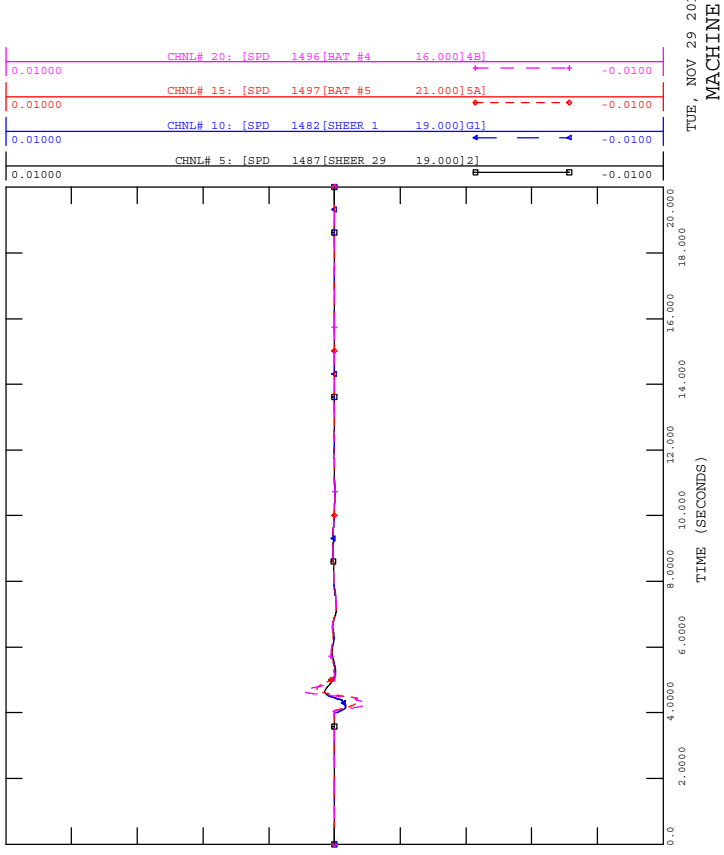
TUE, NOV 29 2016 9:08

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON

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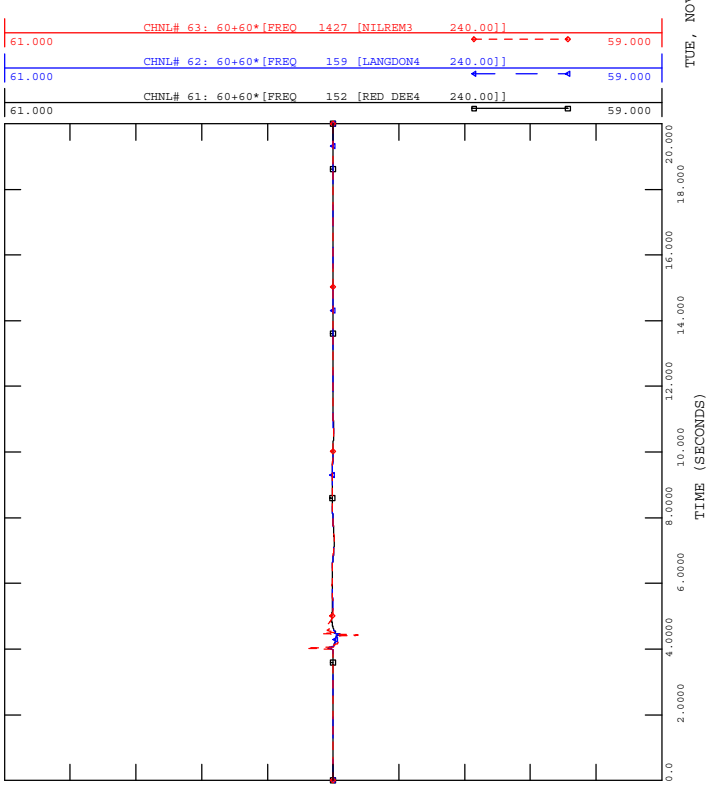
TUE, NOV 29 2016 9:08

FREQUENCY

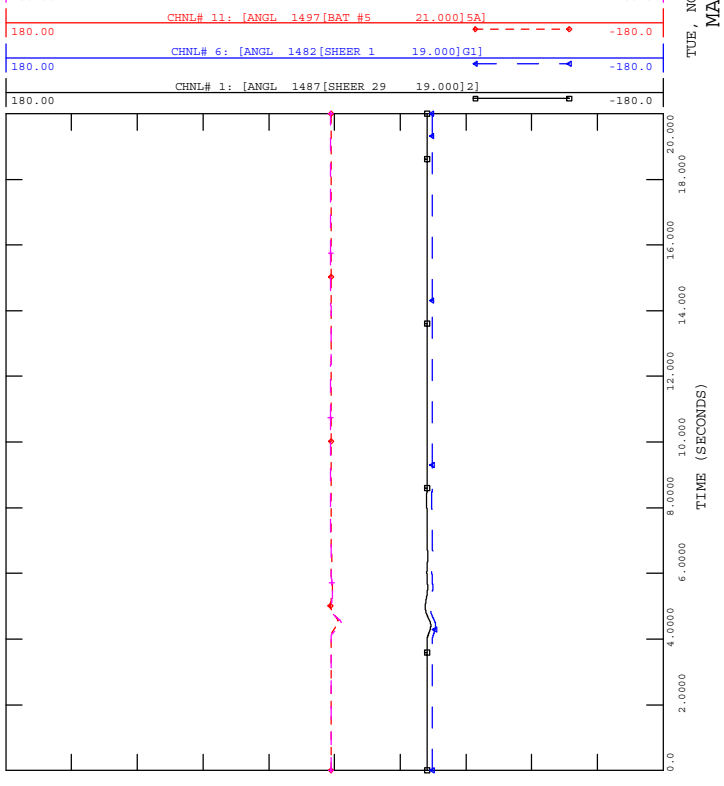


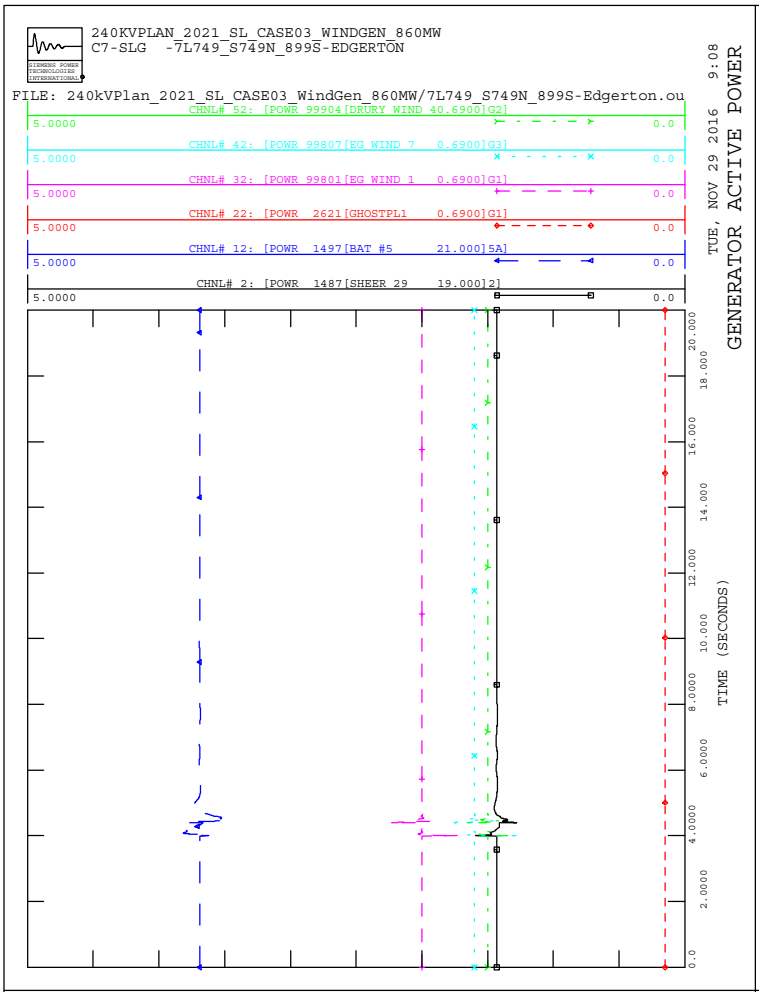
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_S749N_899S-Edgerton.ou

TUE, NOV 29 2016 9:08

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_S749N_899S-Edgerton.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
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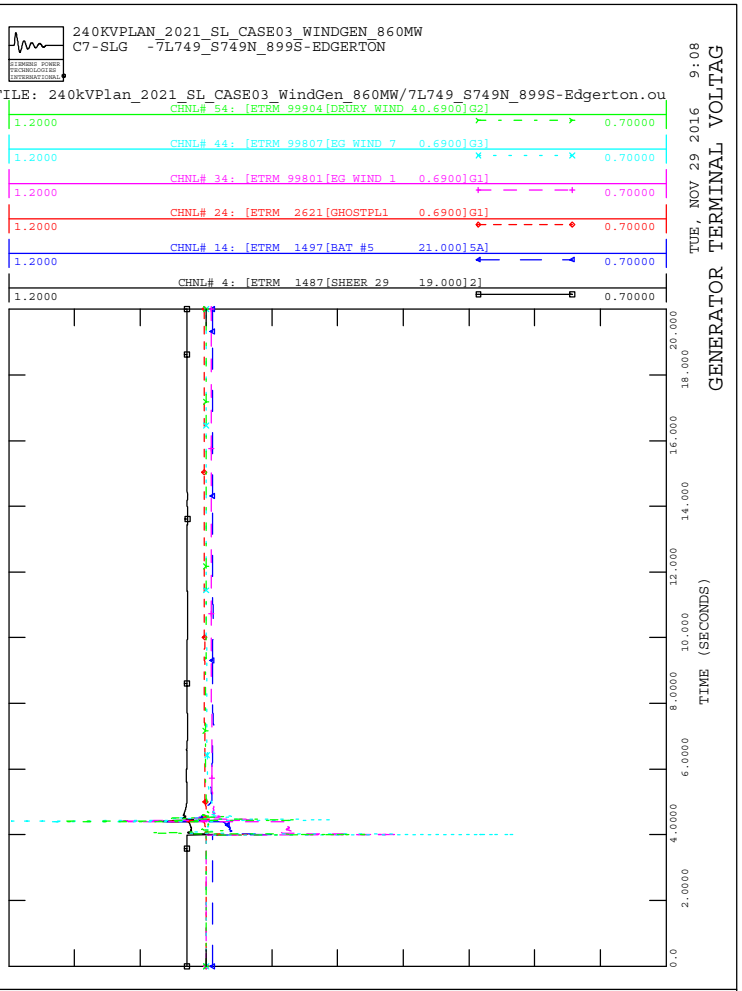
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_S749N_899S-Edgerton.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
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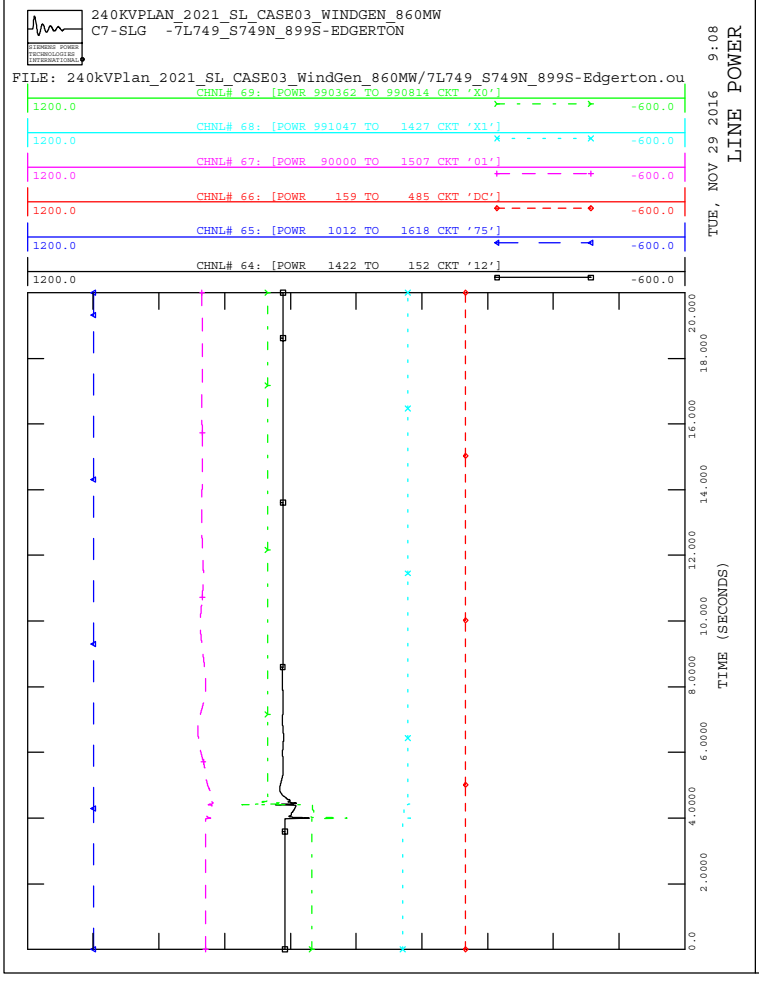
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_S749N_899S-Edgerton.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
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2.0000
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14.000
16.000
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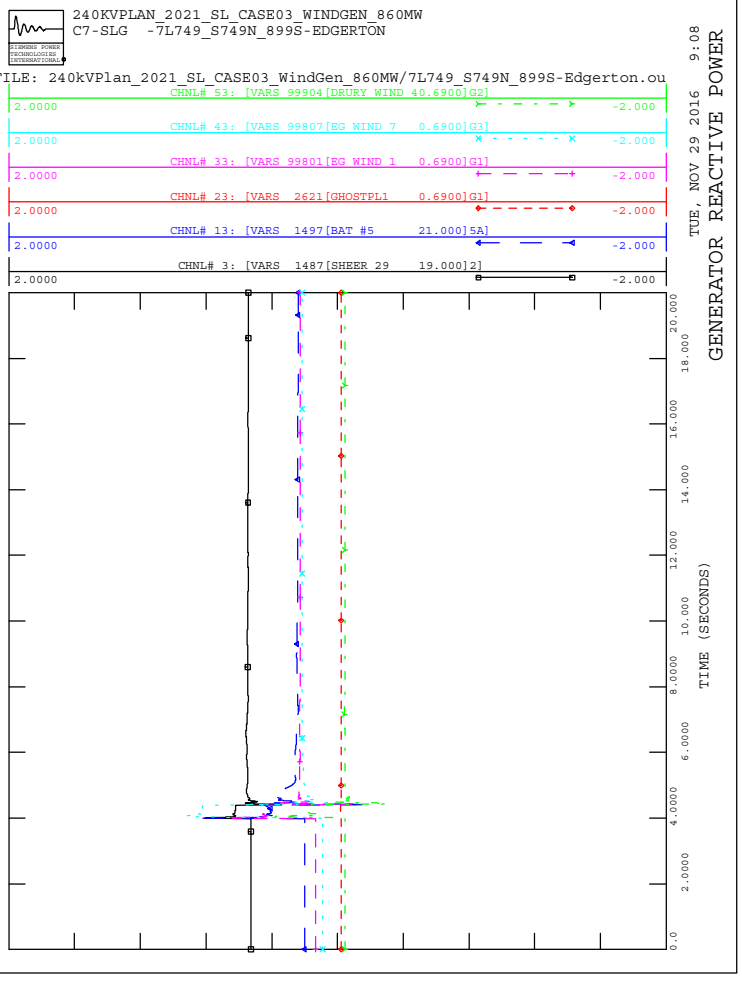
TUE, NOV 29 2016 9:08
LINE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/7L749_S749N_899S-Edgerton.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
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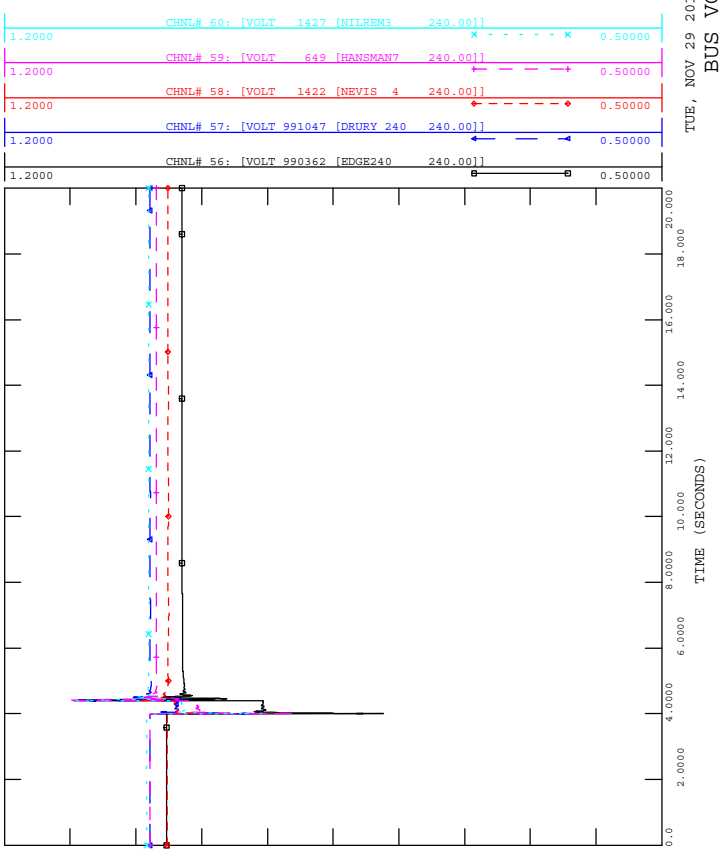
12.000
14.000
16.000
18.000
20.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749X_899S-Edgerton.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

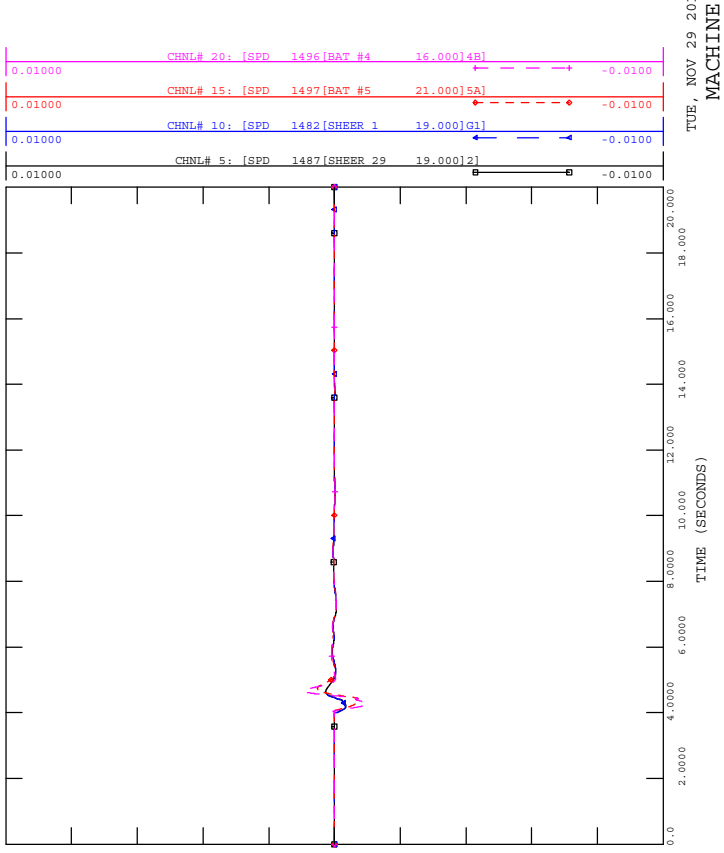


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749X_899S-Edgerton.out

TUE, NOV 29 2016 9:08

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749X_899S-Edgerton.out

TUE, NOV 29 2016 9:08

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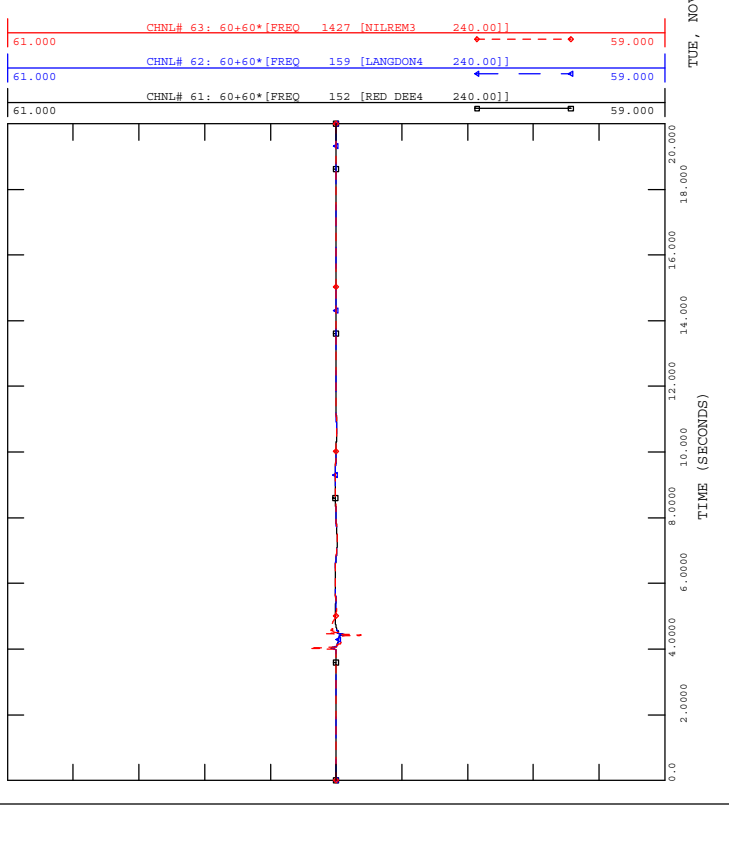
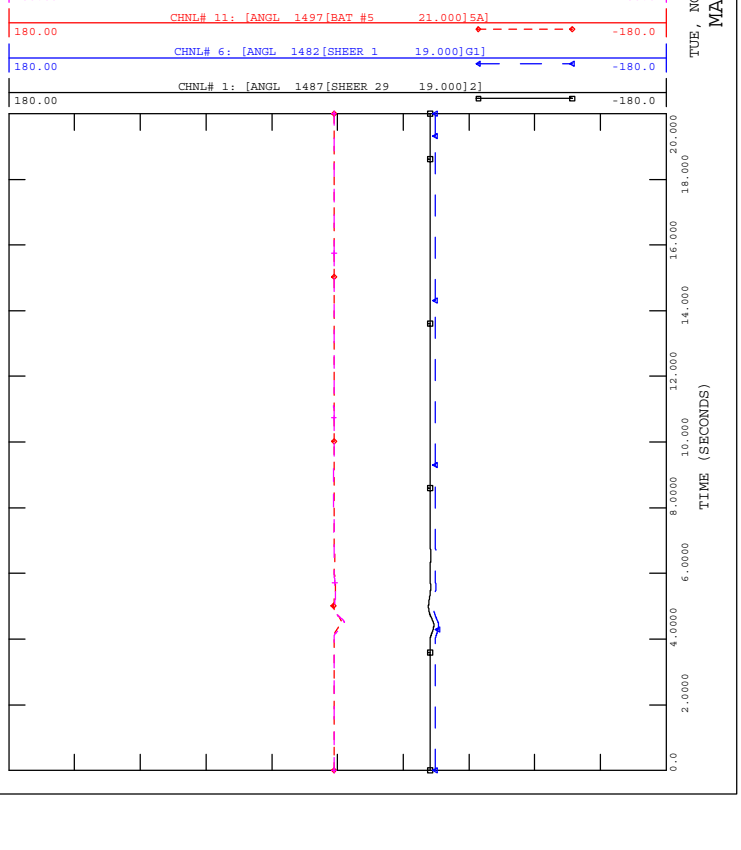


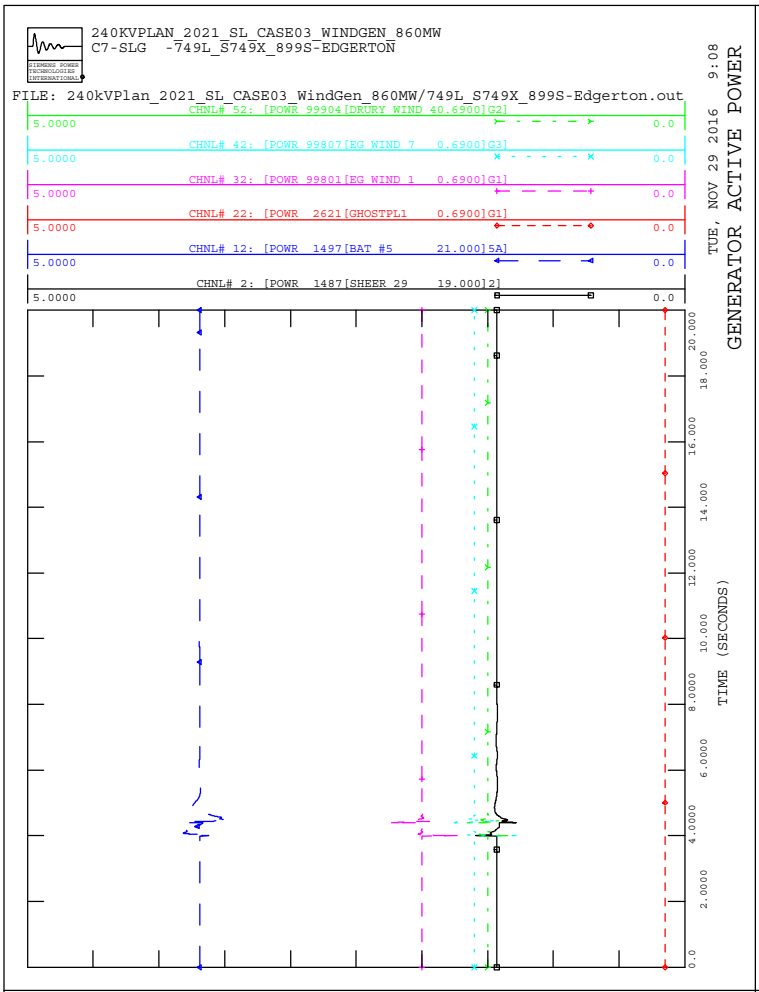
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON

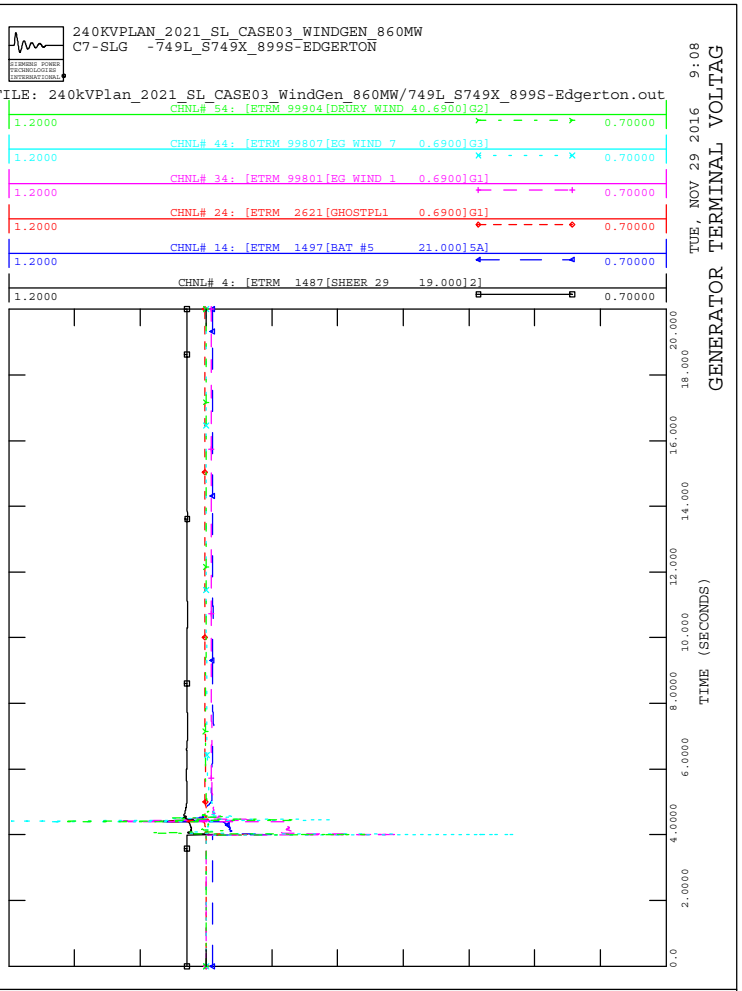
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749X_899S-Edgerton.out

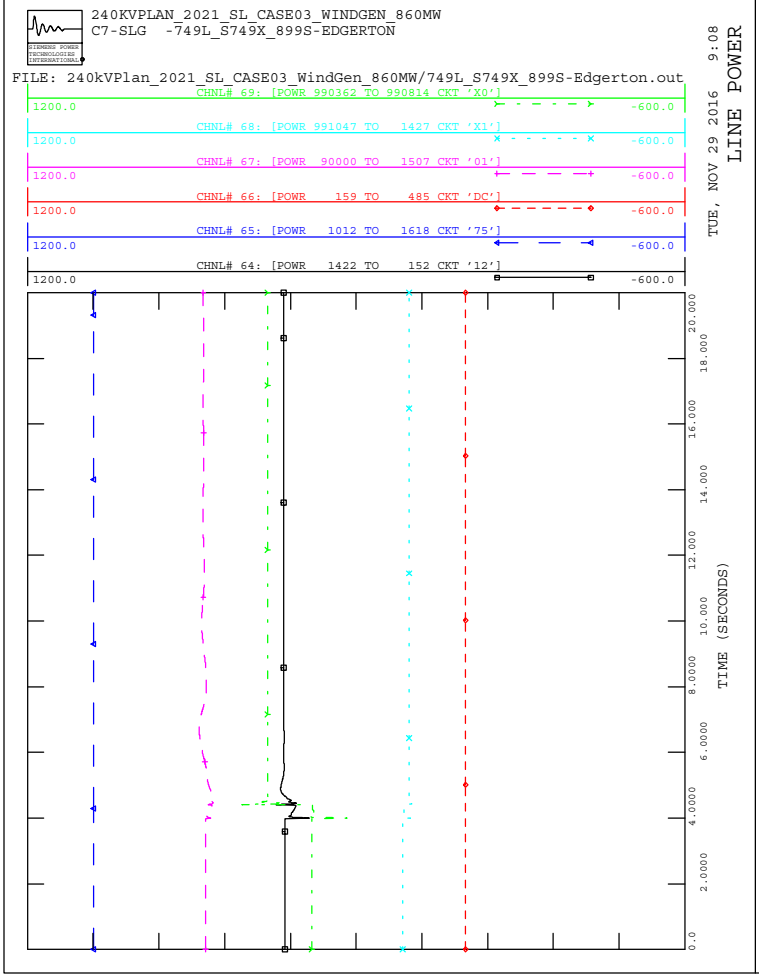
TUE, NOV 29 2016 9:08

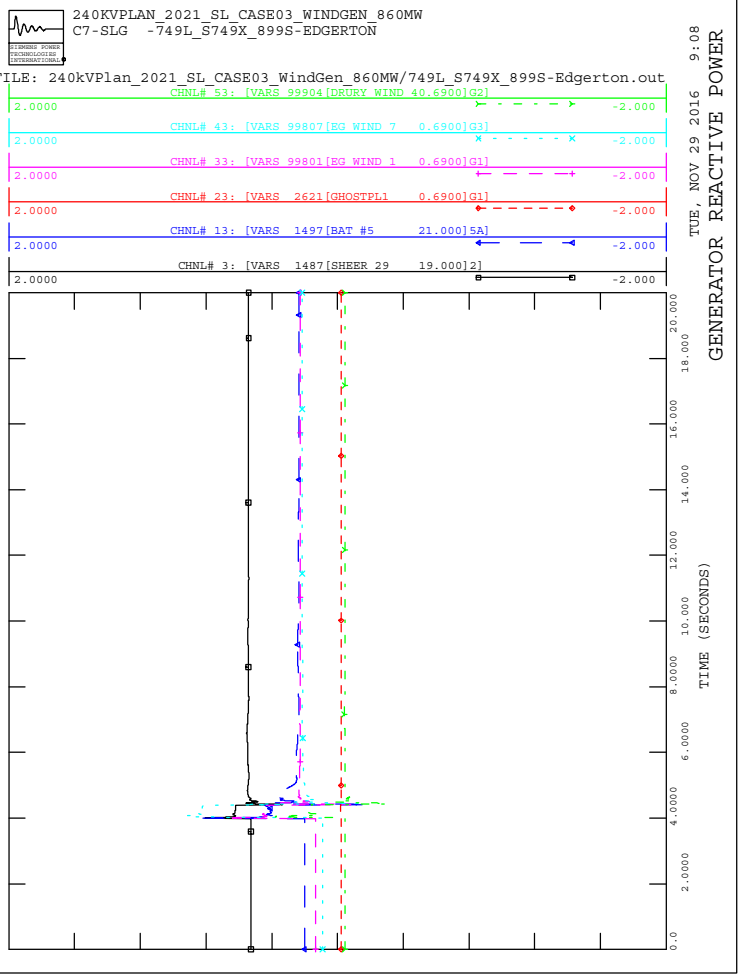
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749X_899S-Edgerton.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749X_899S-Edgerton.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749X_899S-Edgerton.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

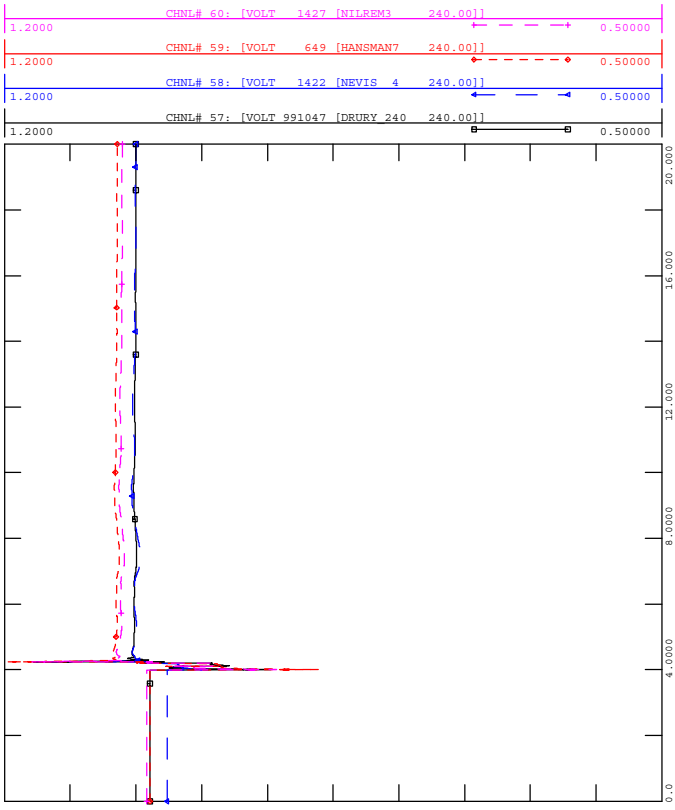

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/749L_S749X_899S-Edgerton.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:08

BUS VOLTAGE

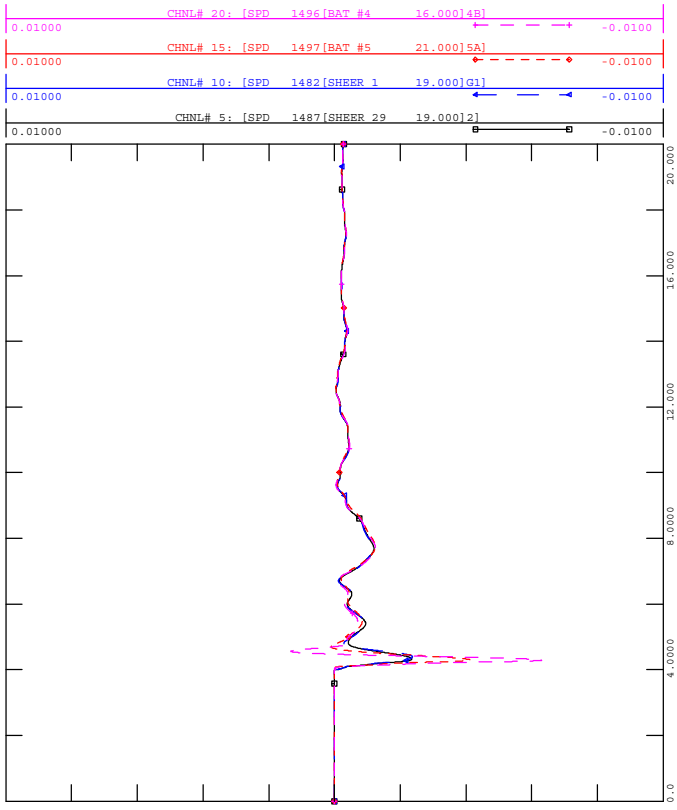


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:08

MACHINE SPEED

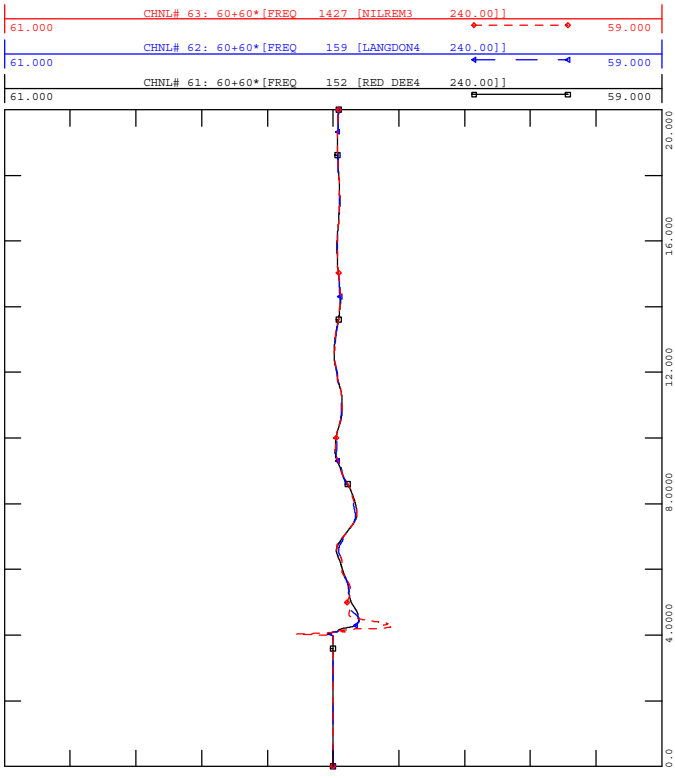


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:08

FREQUENCY

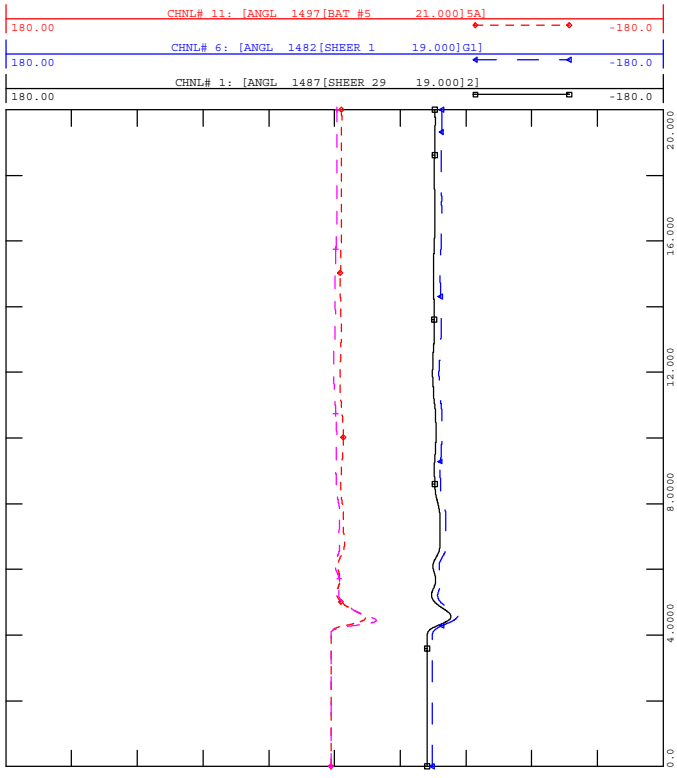


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:08

MACHINE ANGEL

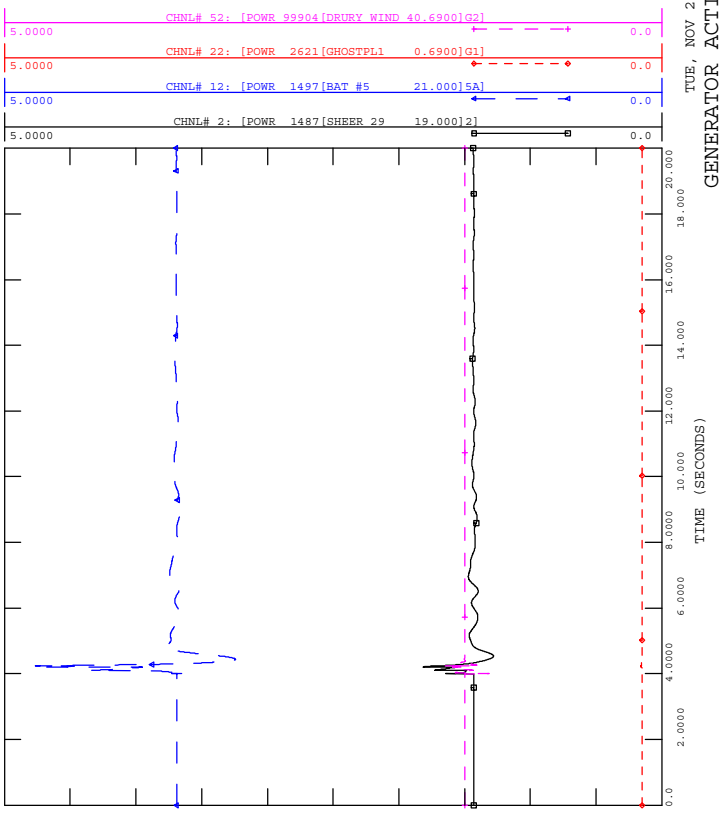


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

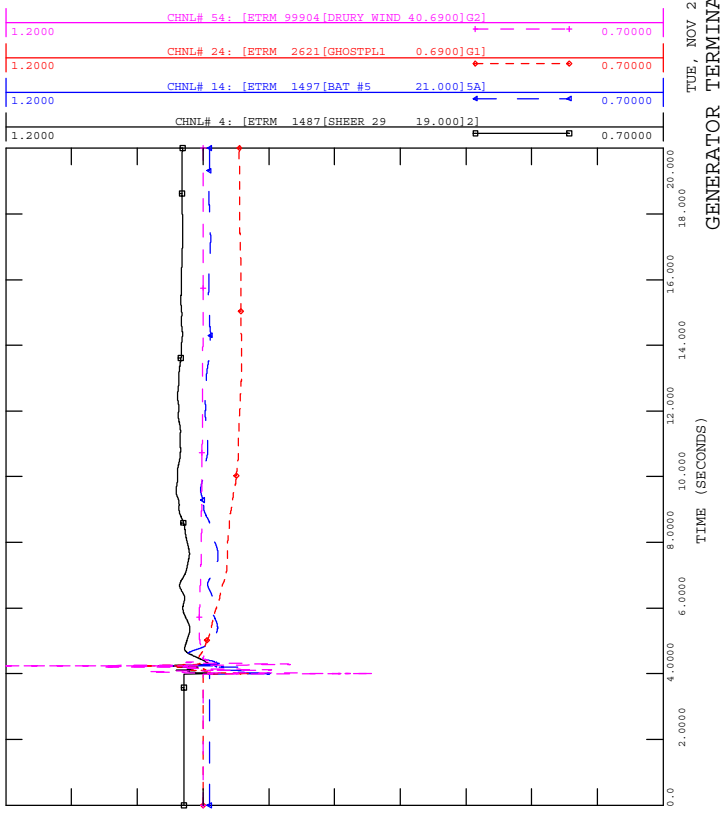


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

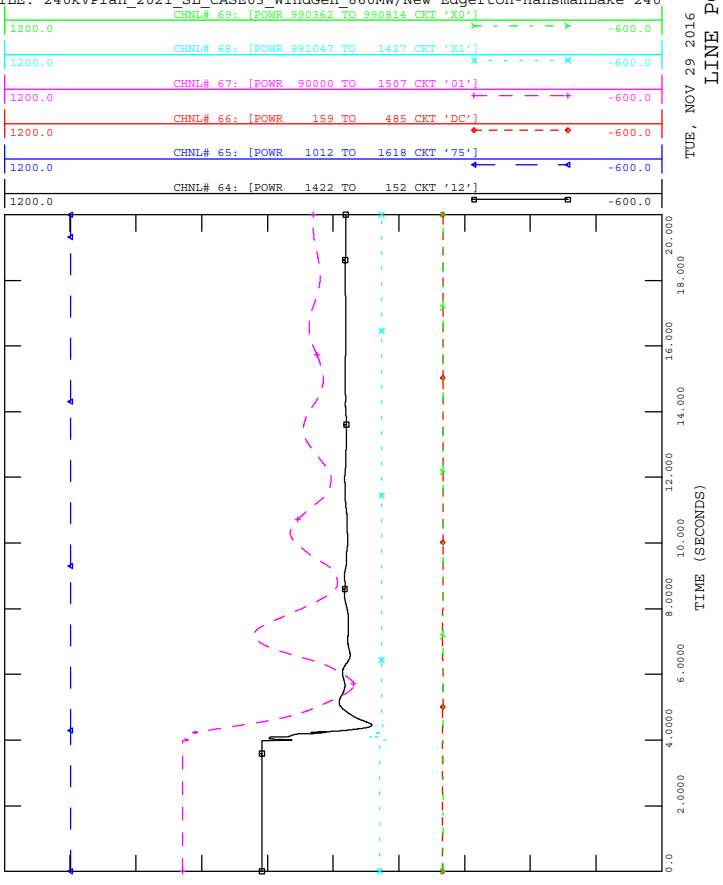


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:08

LINE POWER

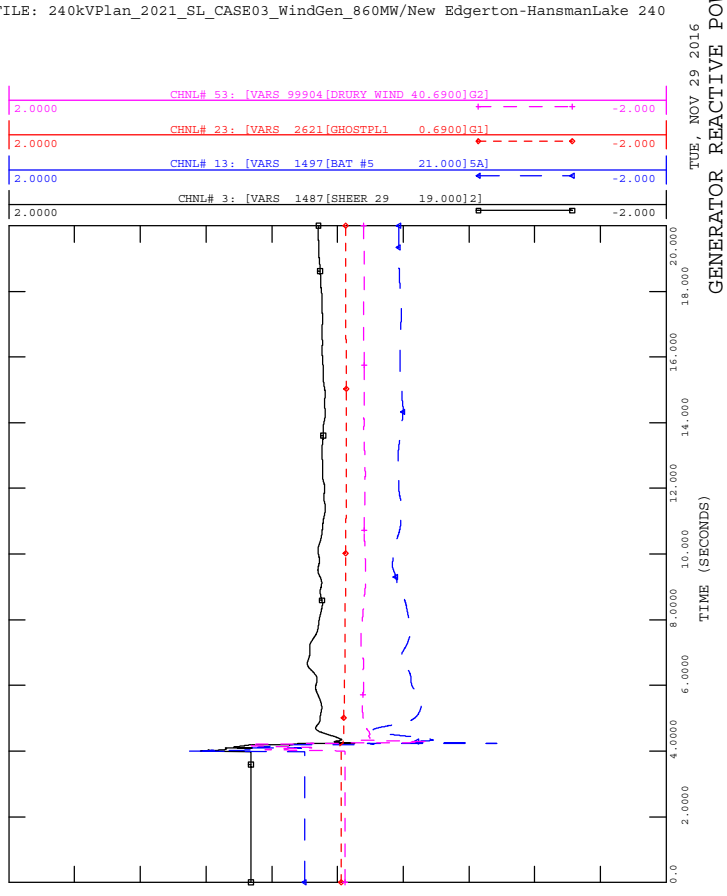


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:08

GENERATOR REACTIVE POWER

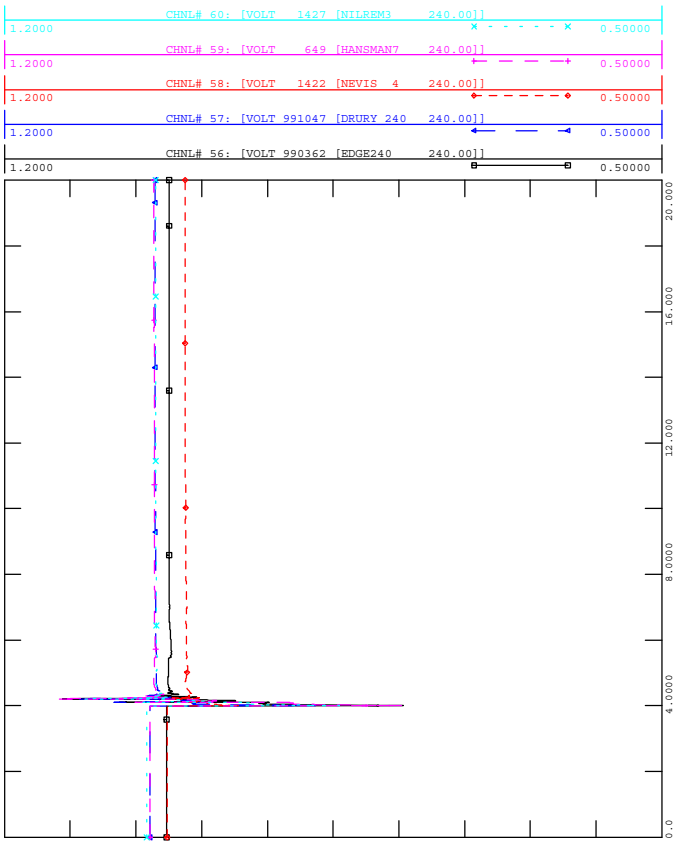


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L966_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

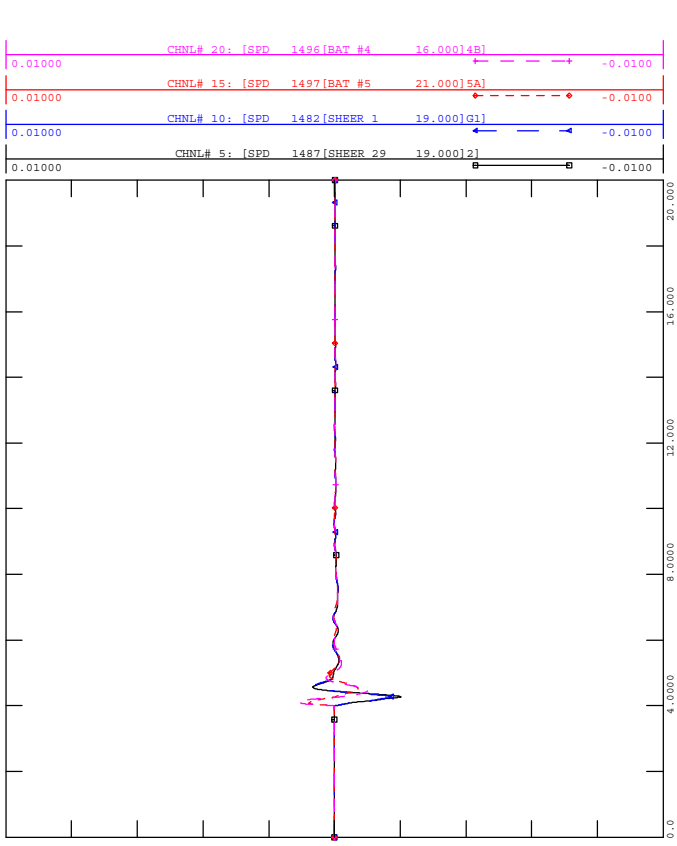


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L966_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

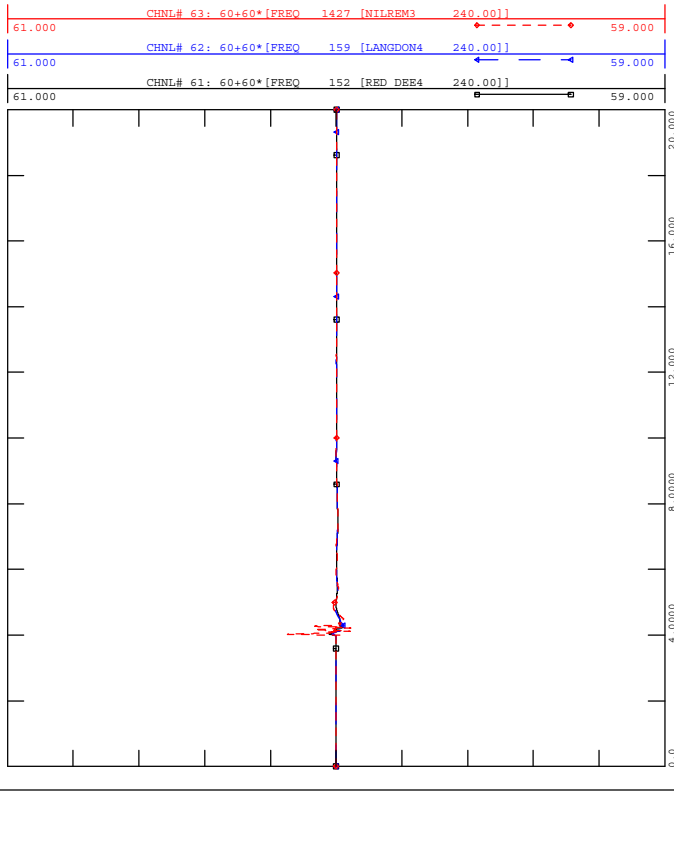


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L966_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:08

FREQUENCY

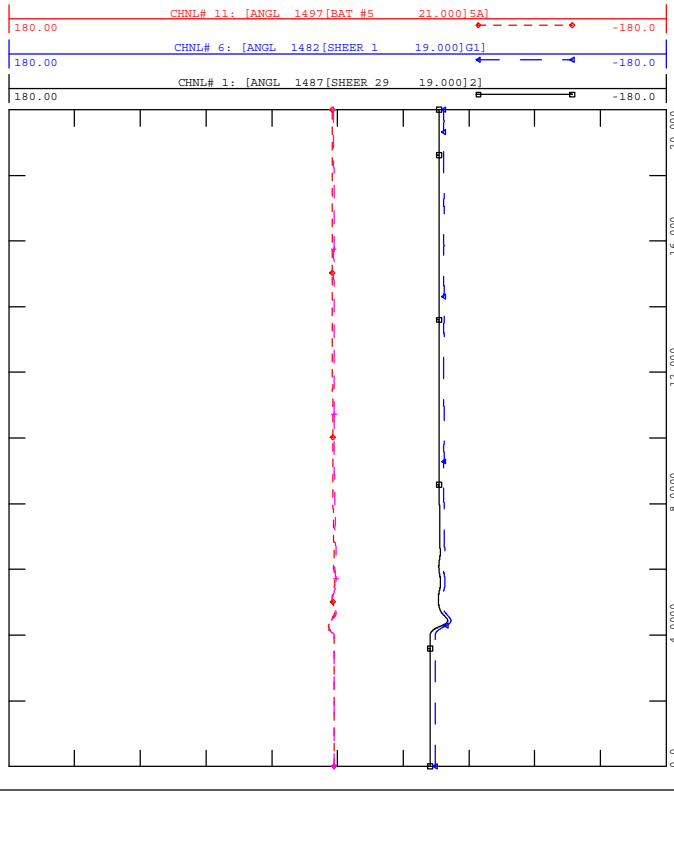


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L966_S905_932S-Pemukan.out

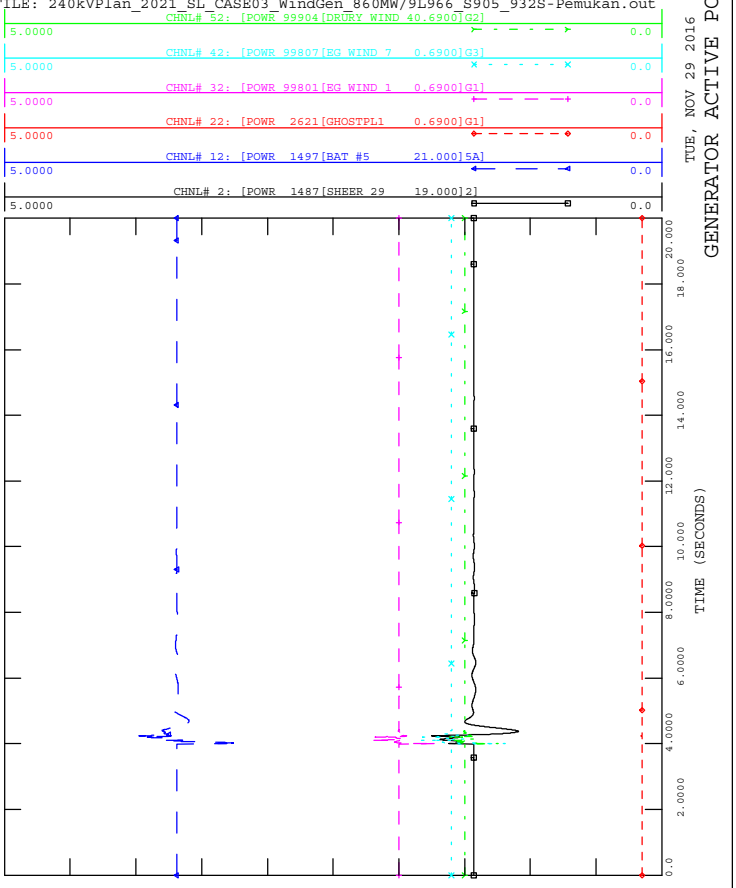
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L966_S905_932S-Pemukan.out

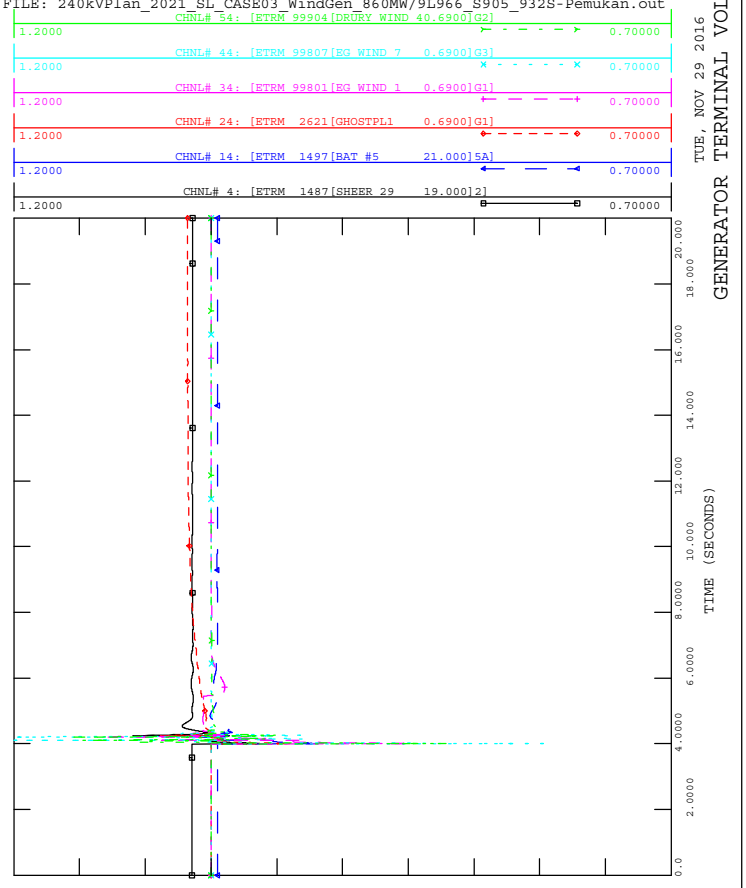


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L966_S905_932S-Pemukan.out

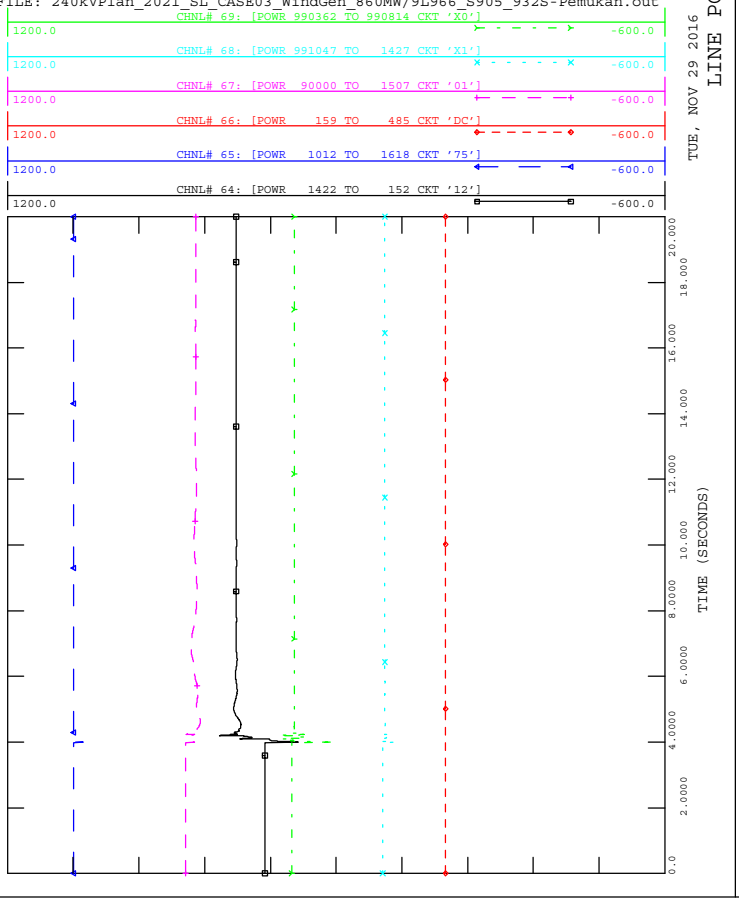


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L966_S905_932S-Pemukan.out

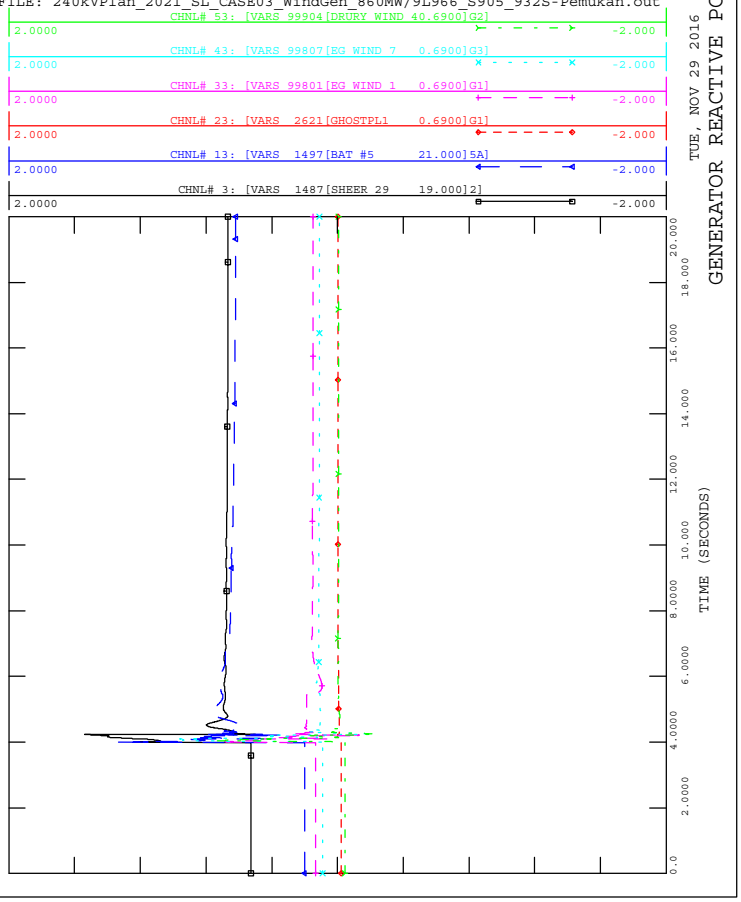


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L966_S905_932S-Pemukan.out



TUE, NOV 29 2016 9:08

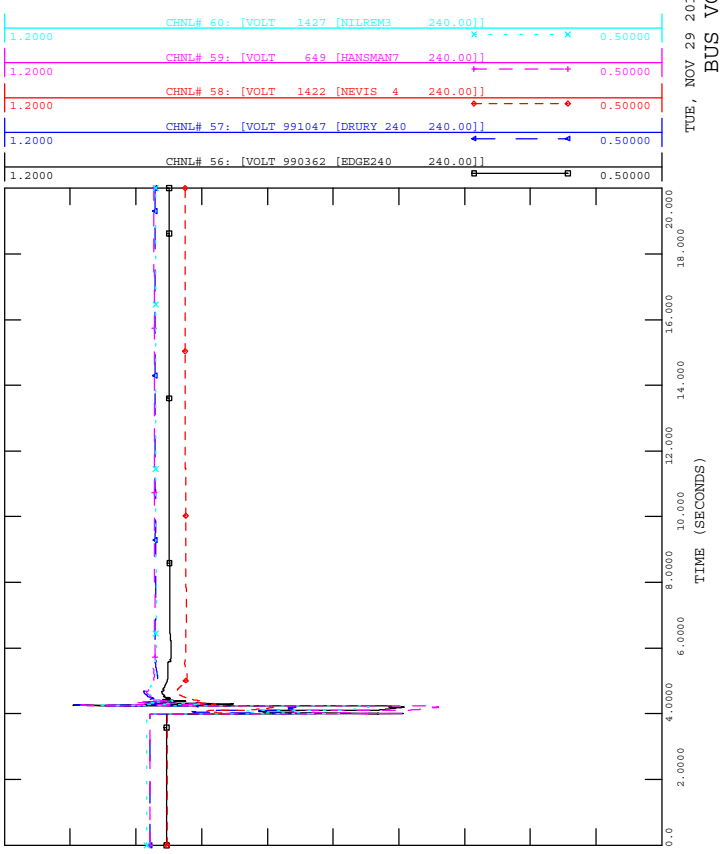
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

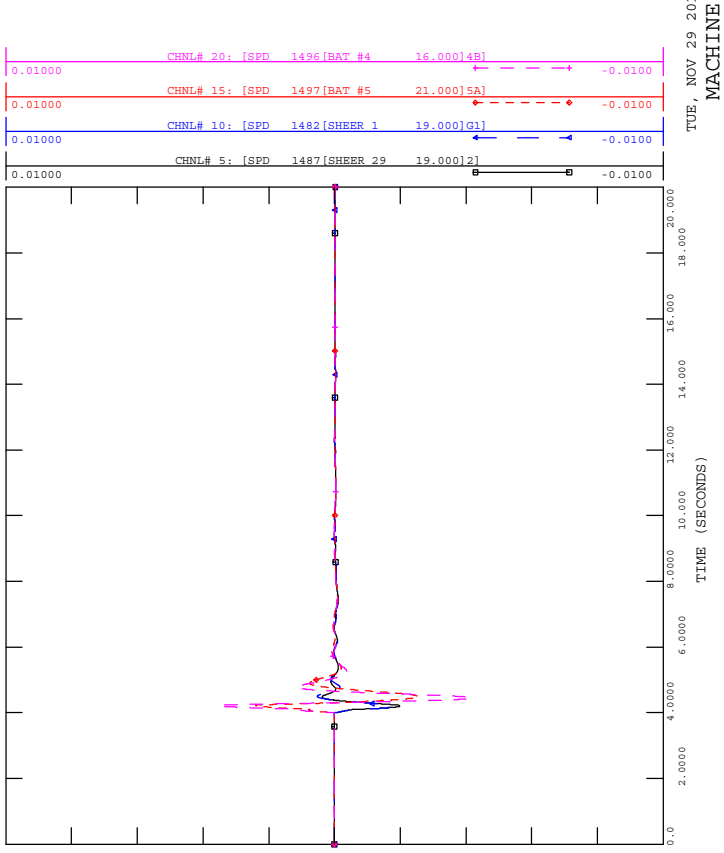


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

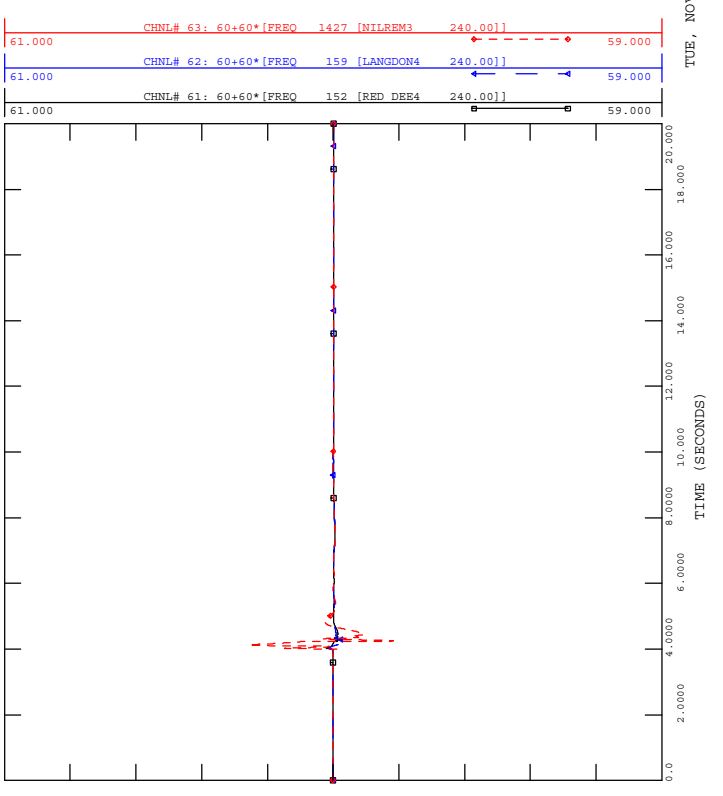


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:08

FREQUENCY

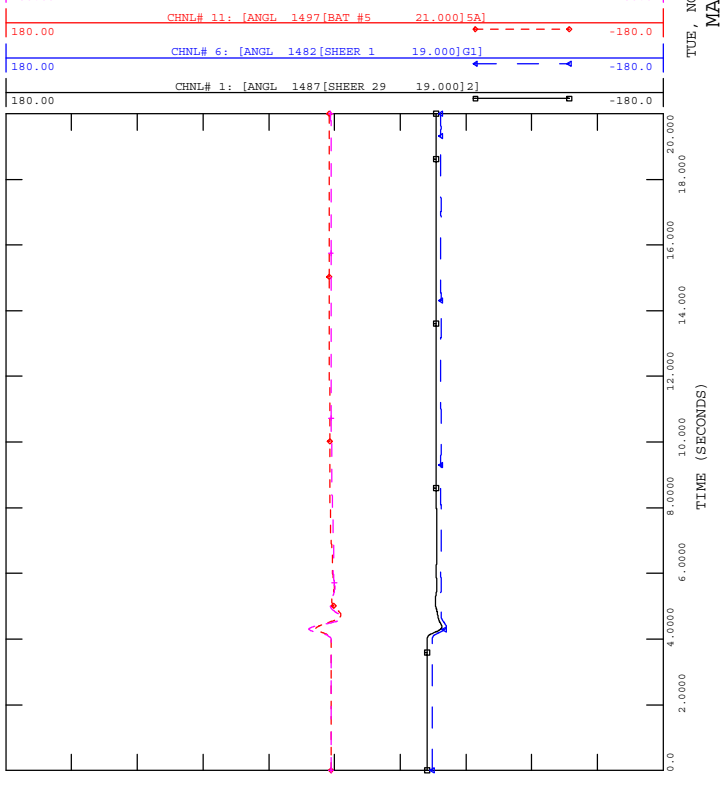


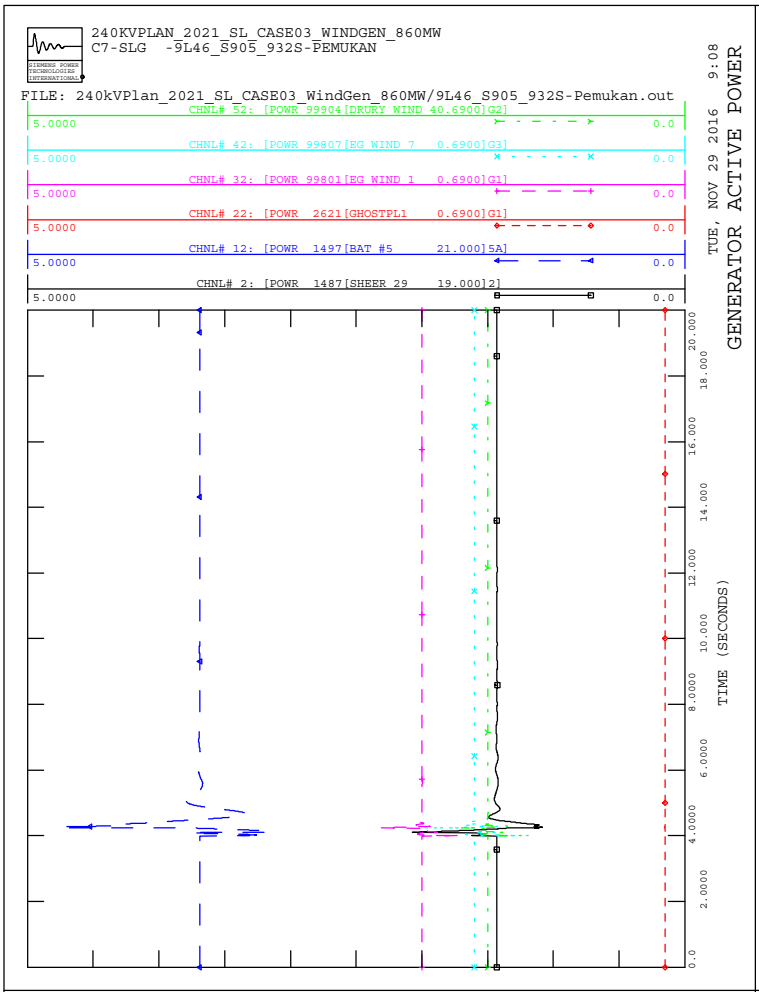
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:08

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_932S-Pemukan.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
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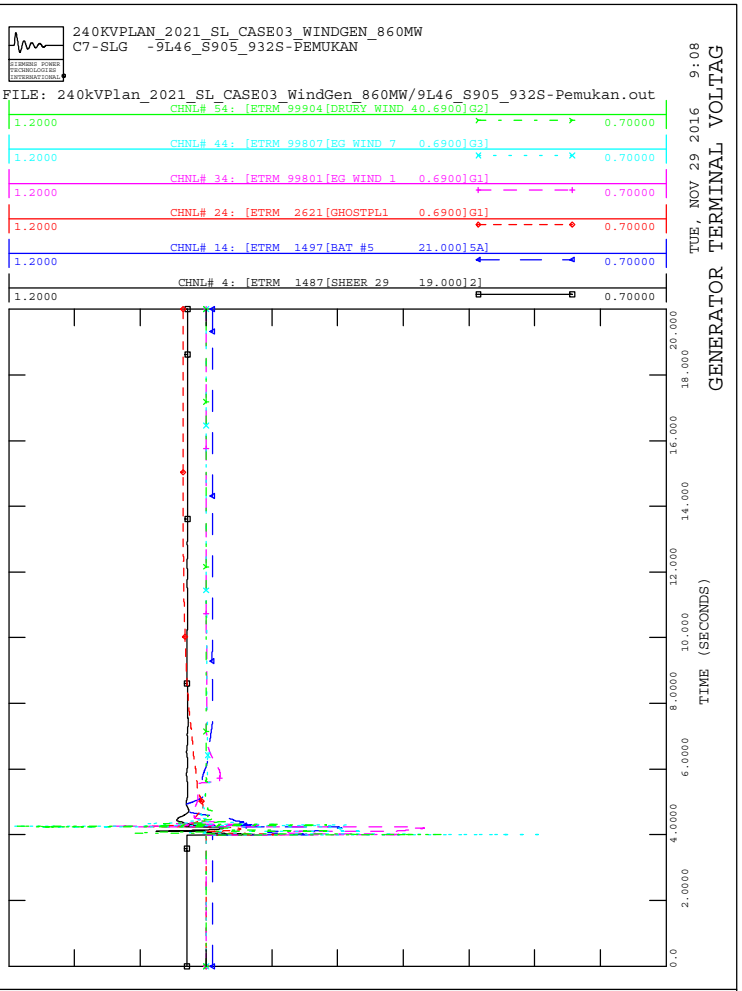
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_932S-Pemukan.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
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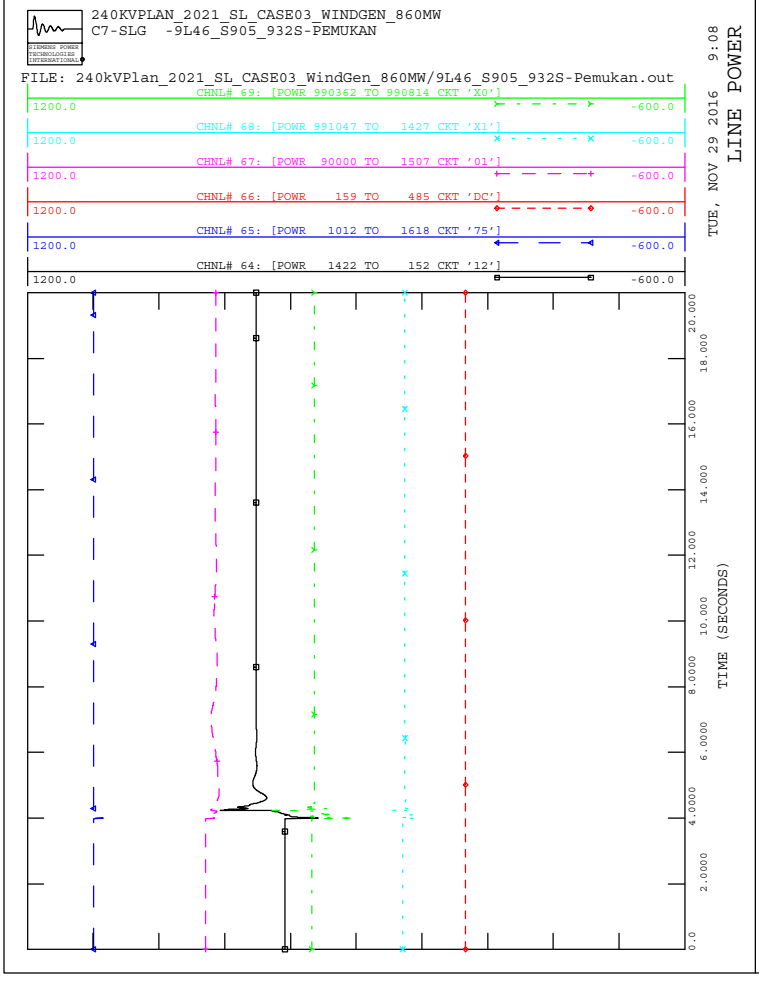
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_932S-Pemukan.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
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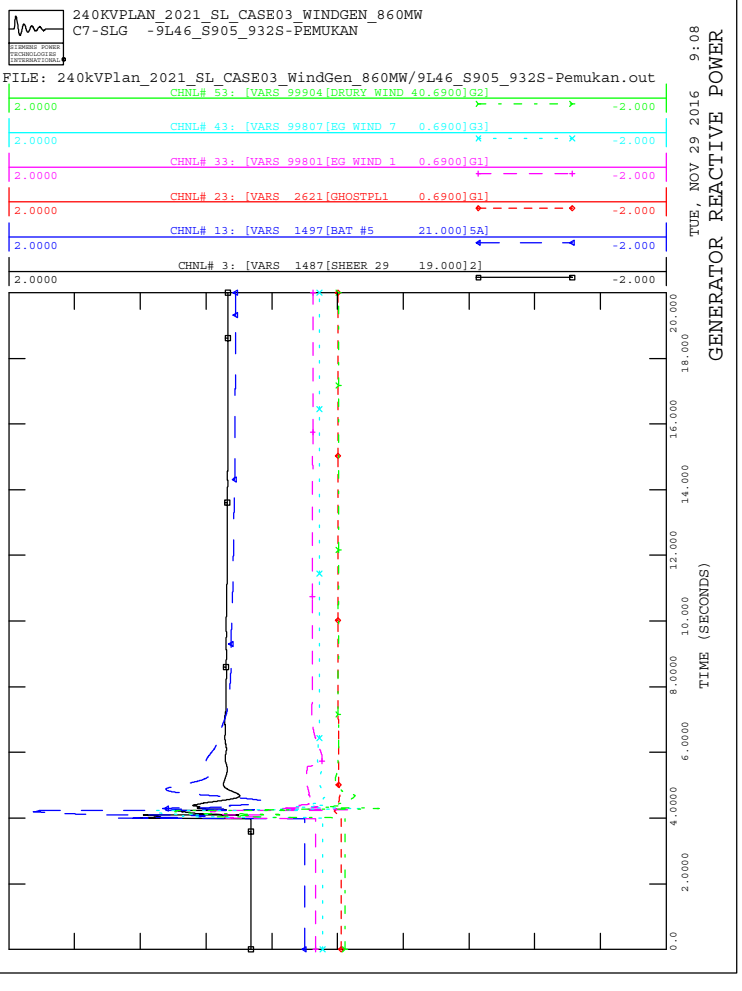
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_932S-Pemukan.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
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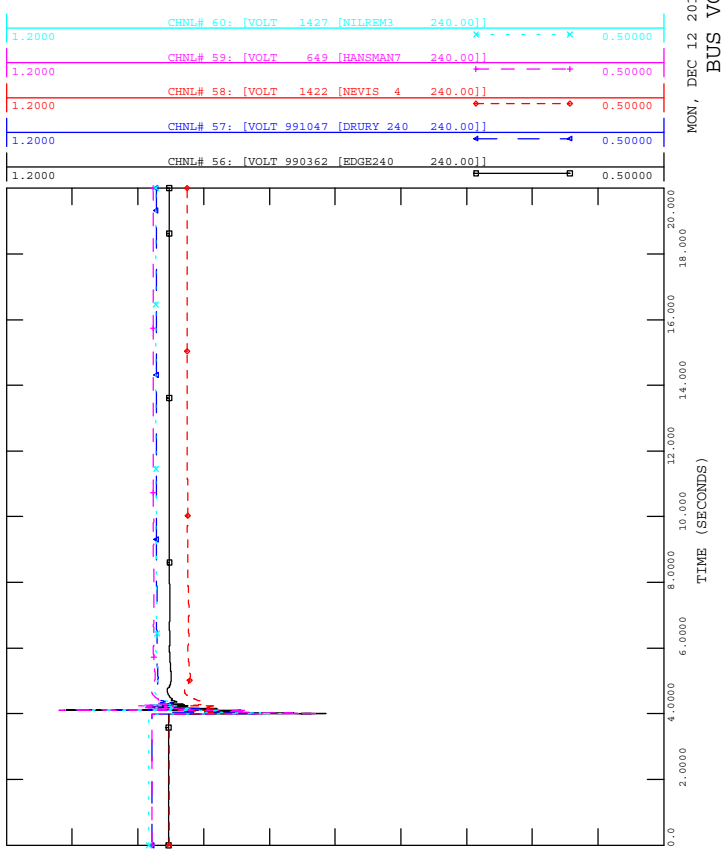
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

BUS VOLTAGE

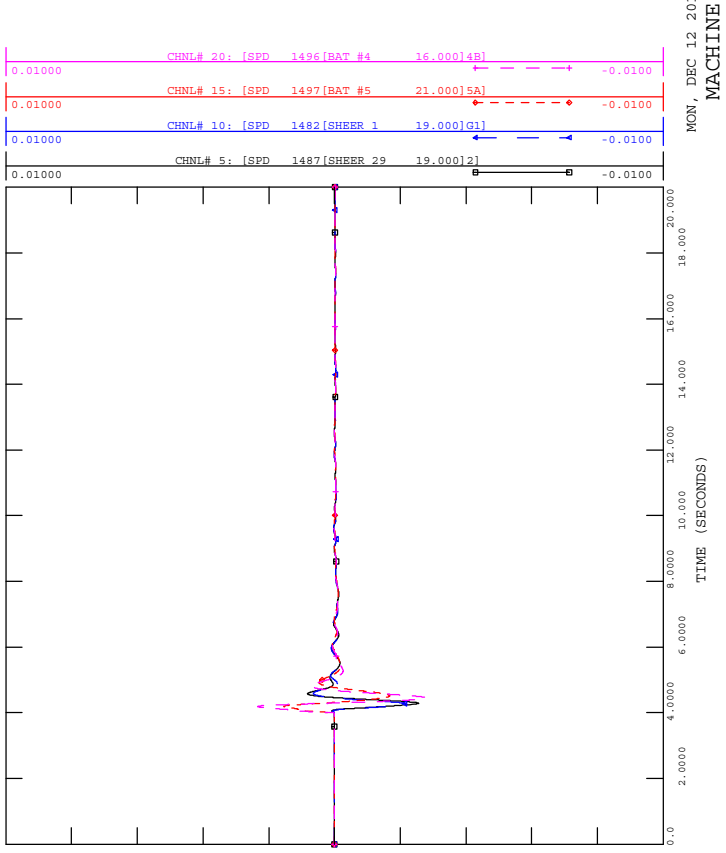


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

MACHINE SPEED



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C7-SLG -9L46_S905_959S-LANFINE

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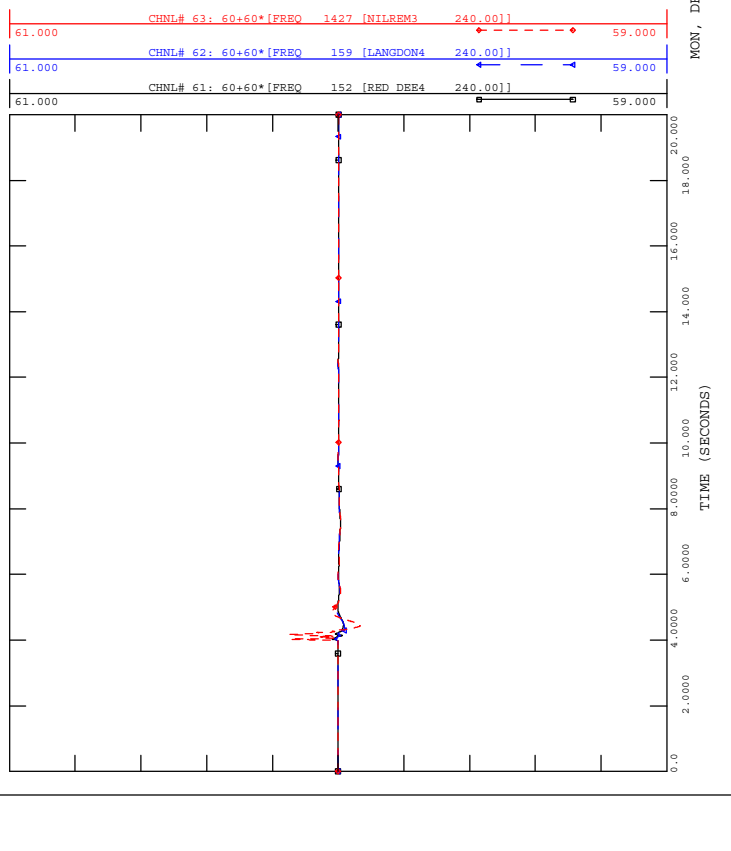
MON, DEC 12 2016 19:23

FREQUENCY



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE

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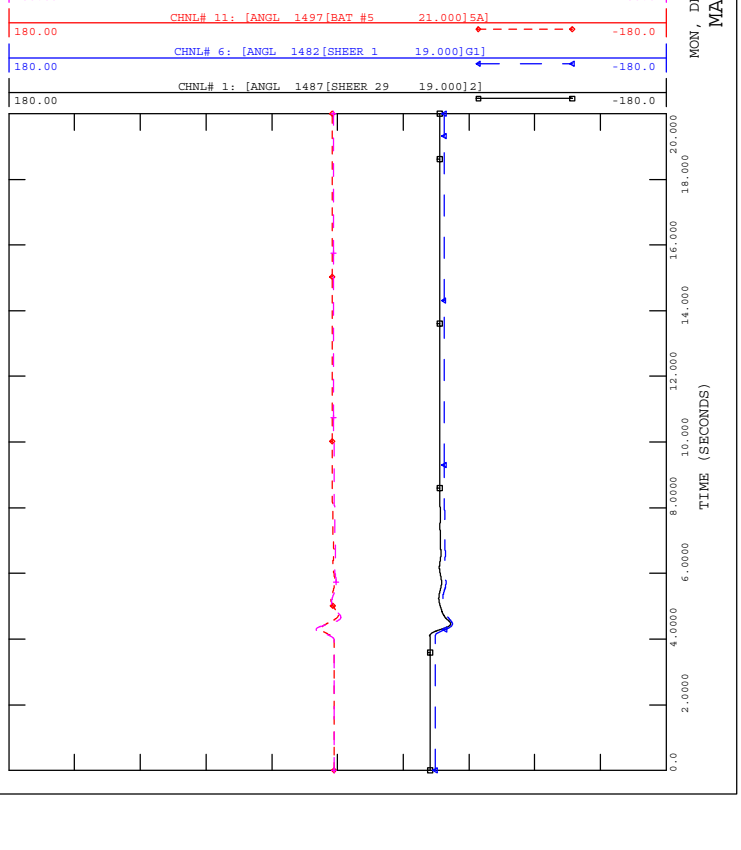
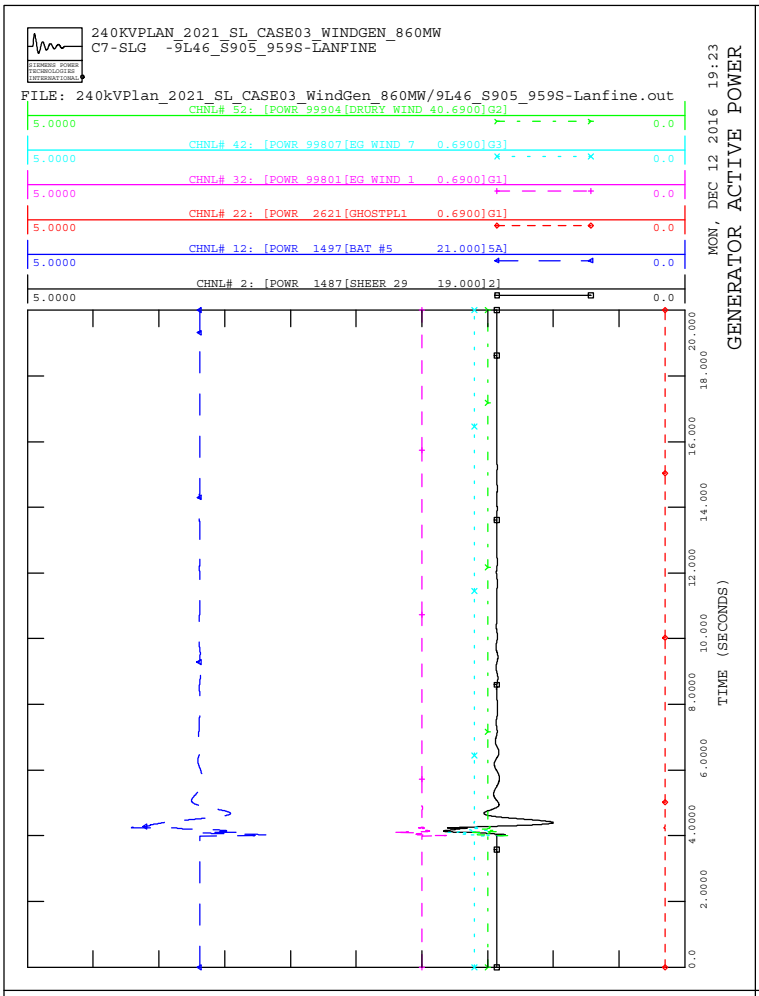
MON, DEC 12 2016 19:23

MACHINE ANGLE




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_959S-Lanfine.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
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10.000
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14.000
16.000
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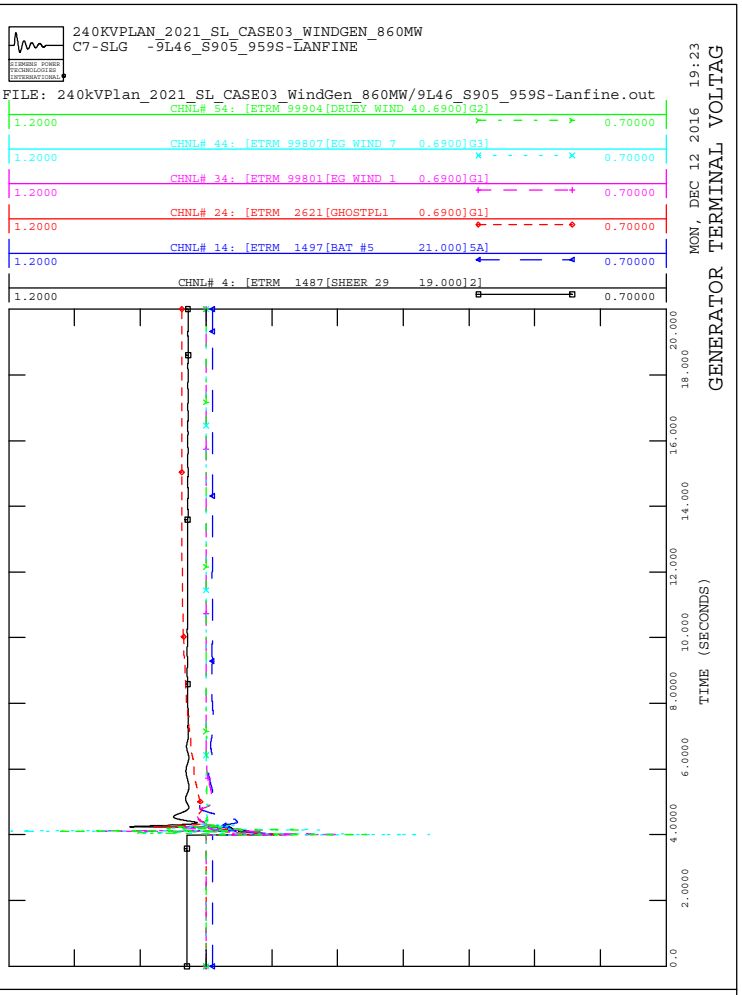
20.000
MON, DEC 12 2016 19:23
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
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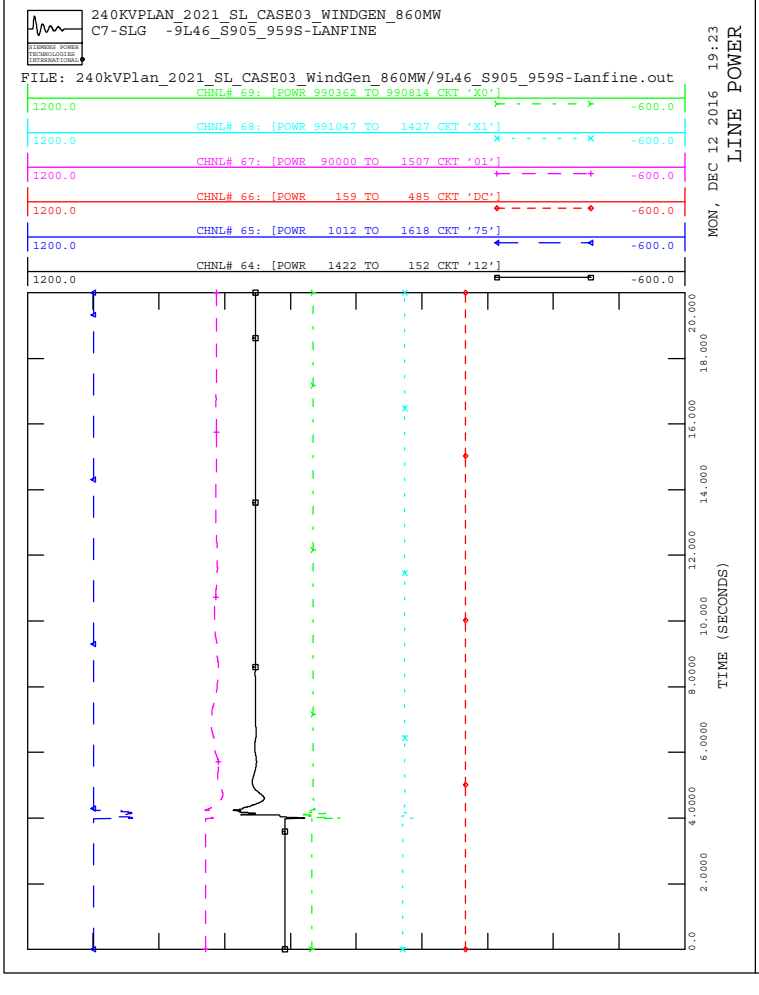
MON, DEC 12 2016 19:23
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_959S-Lanfine.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
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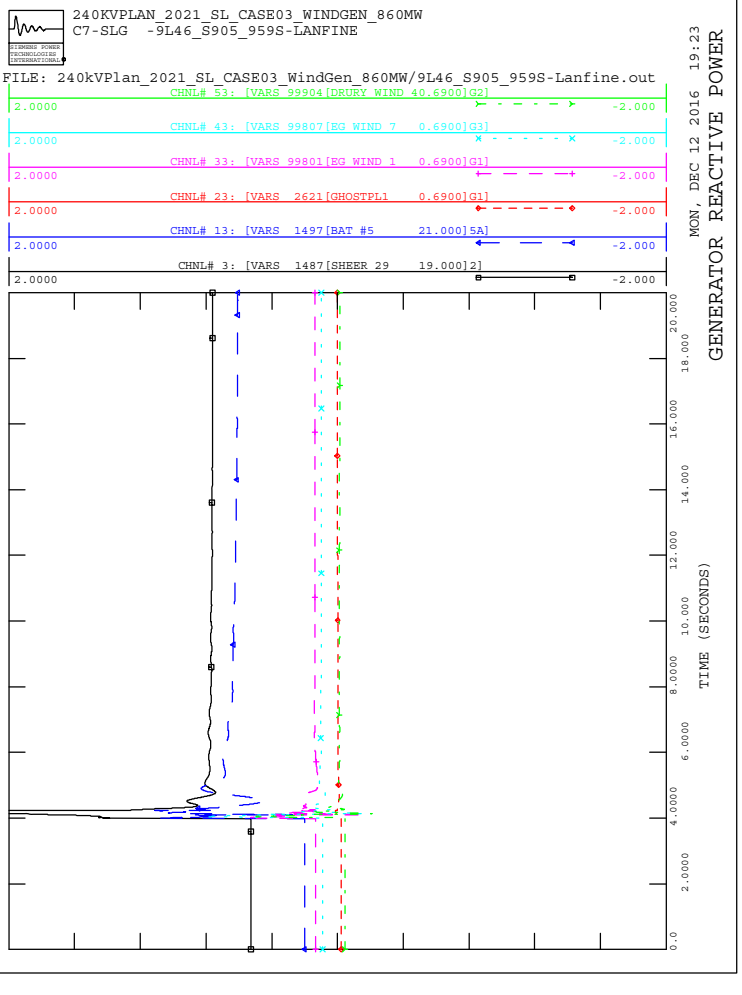
MON, DEC 12 2016 19:23
LINE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L46_S905_959S-Lanfine.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
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2.0000
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8.0000
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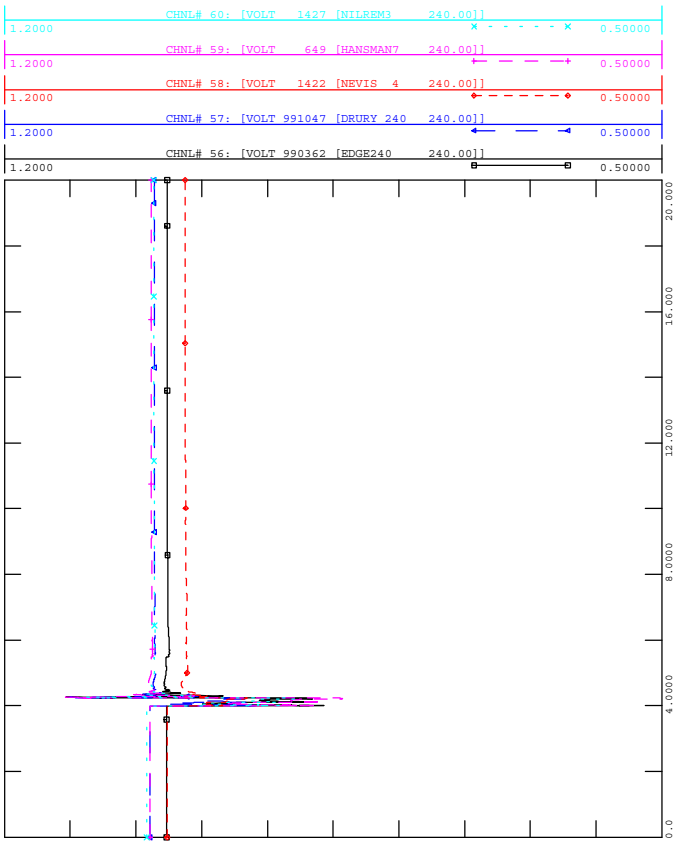
16.000
18.000
20.000
MON, DEC 12 2016 19:23
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

BUS VOLTAGE



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE

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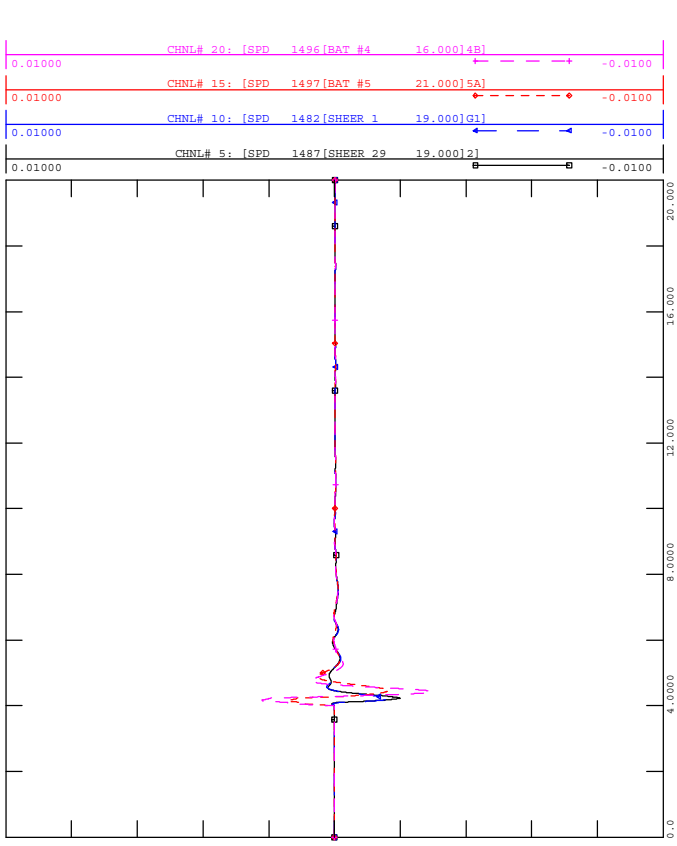
MON, DEC 12 2016 19:23

MACHINE SPEED



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE

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MON, DEC 12 2016 19:23

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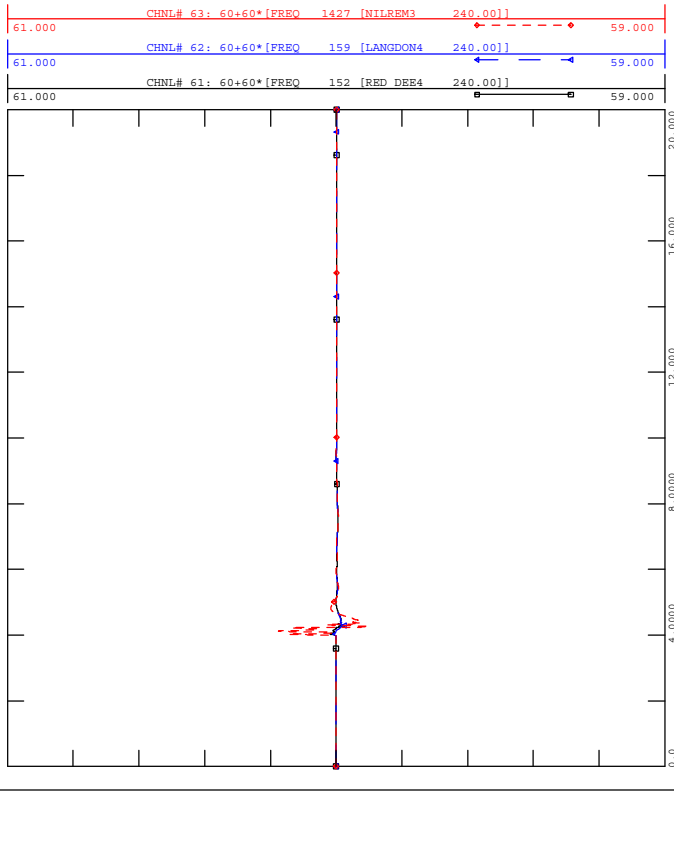

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE

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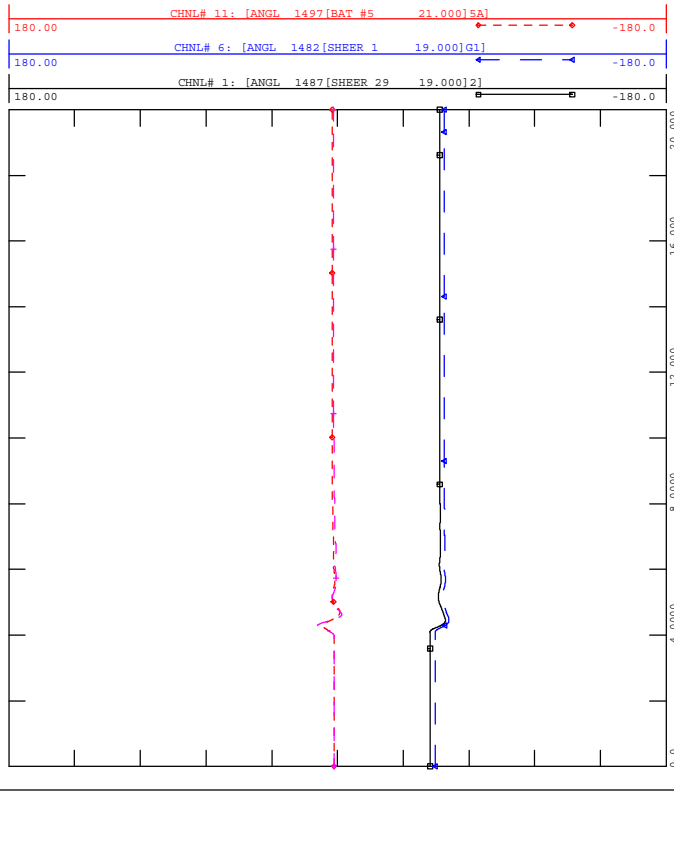
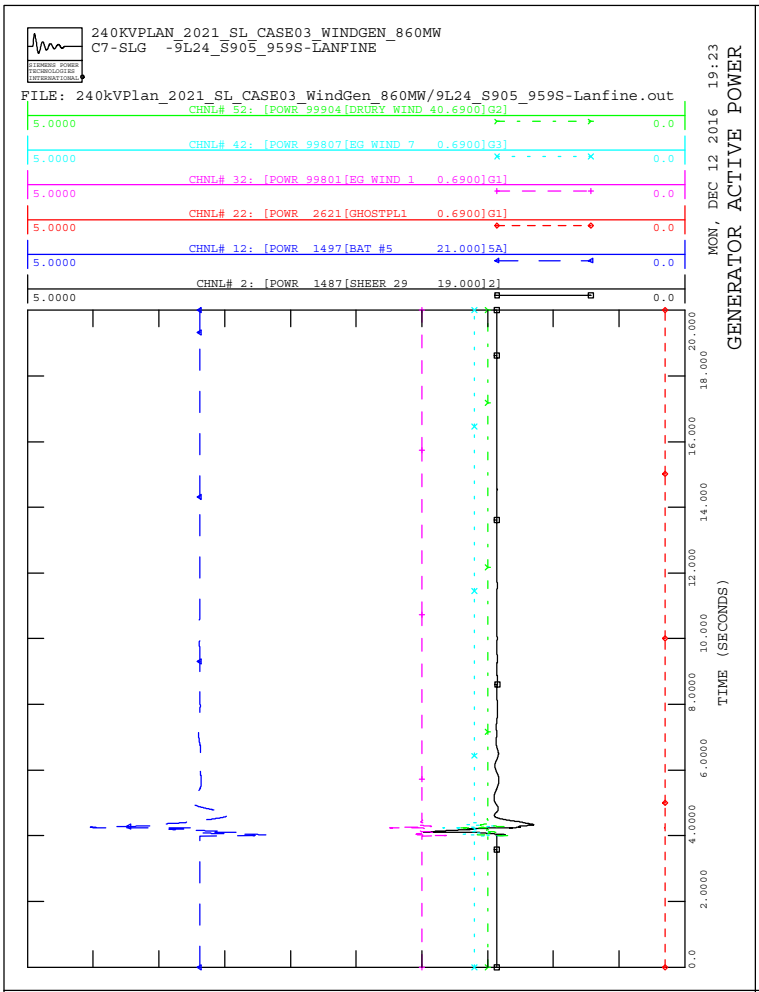
MON, DEC 12 2016 19:23

MACHINE ANGLE

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C7-SLG -9L24_S905_959S-LANFINE
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
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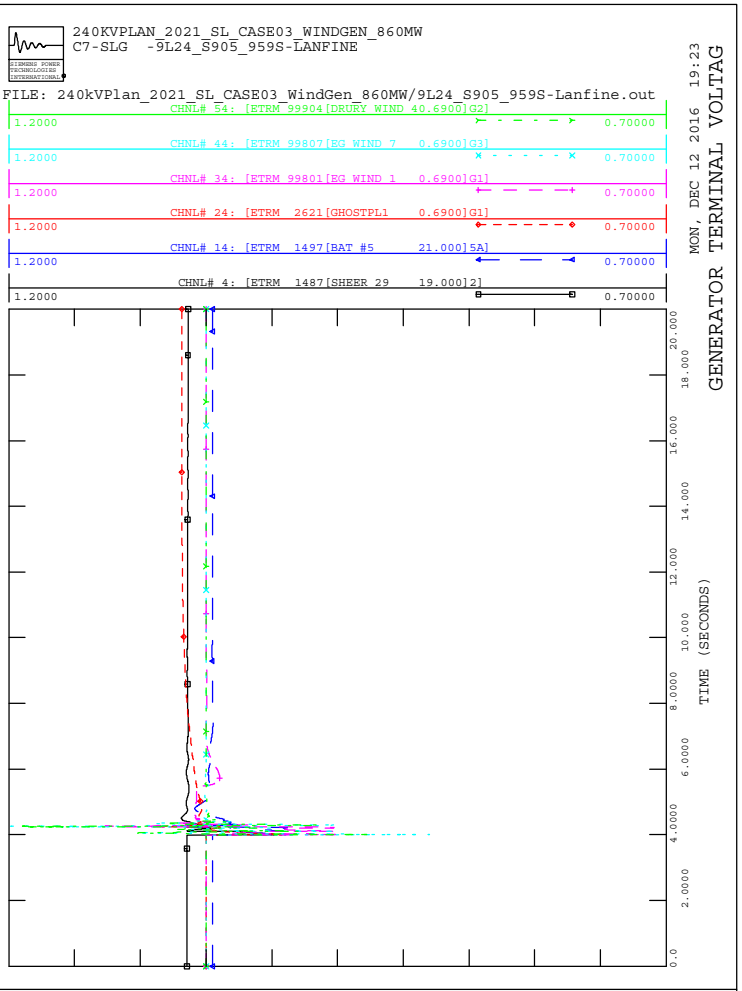
20.000
MON, DEC 12 2016 19:23
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE
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CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
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TIME (SECONDS)
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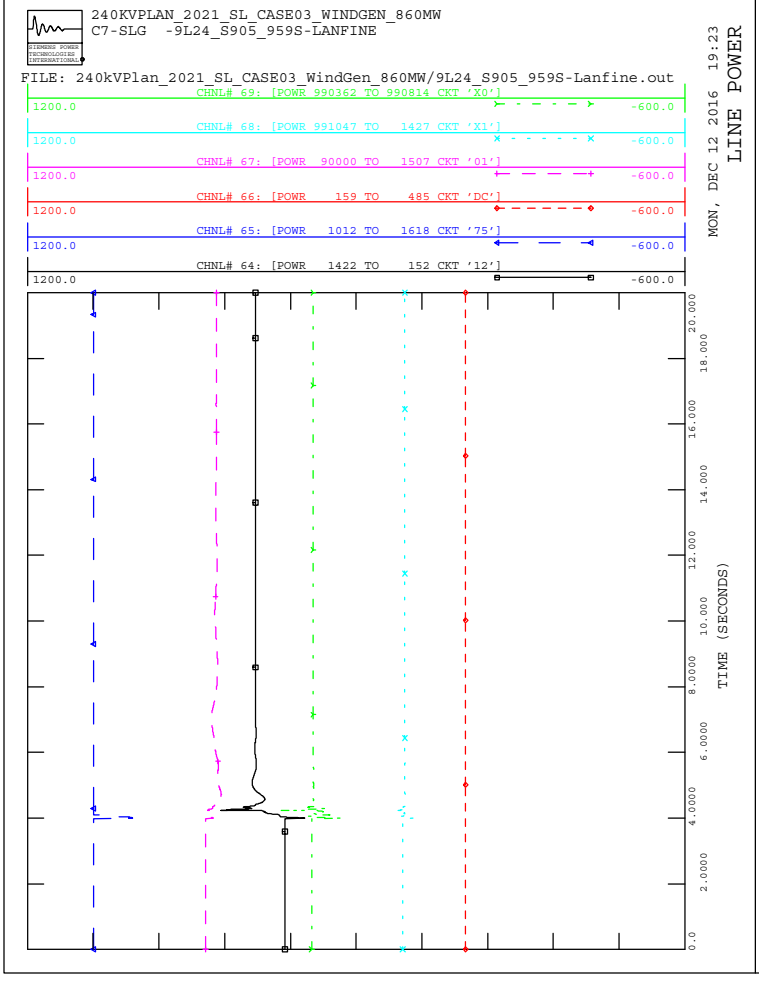
GENERATOR TERMINAL VOLTAG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C7-SLG -9L24_S905_959S-LANFINE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_S905_959S-Lanfine.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
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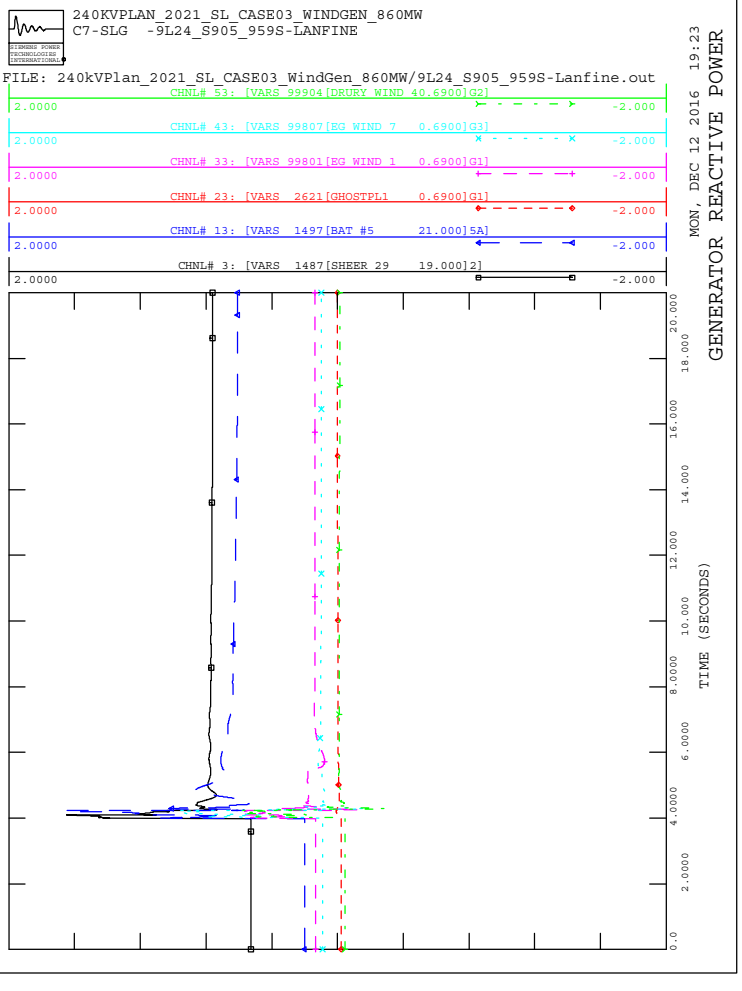
MON, DEC 12 2016 19:23
LINE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_S905_959S-Lanfine.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
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TIME (SECONDS)
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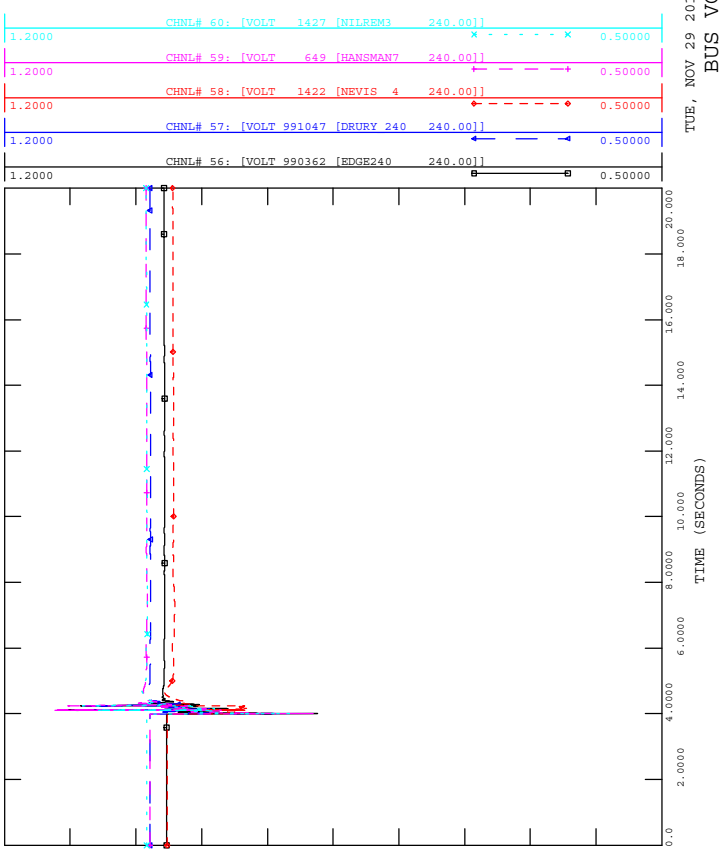
MON, DEC 12 2016 19:23
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_946S_946S-Oakland.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

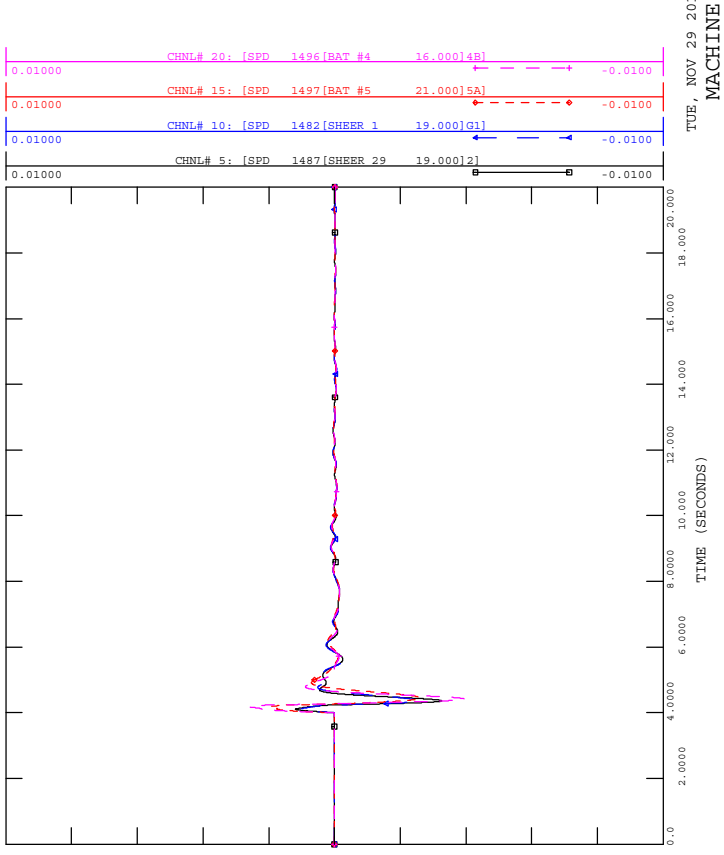


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_946S_946S-Oakland.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

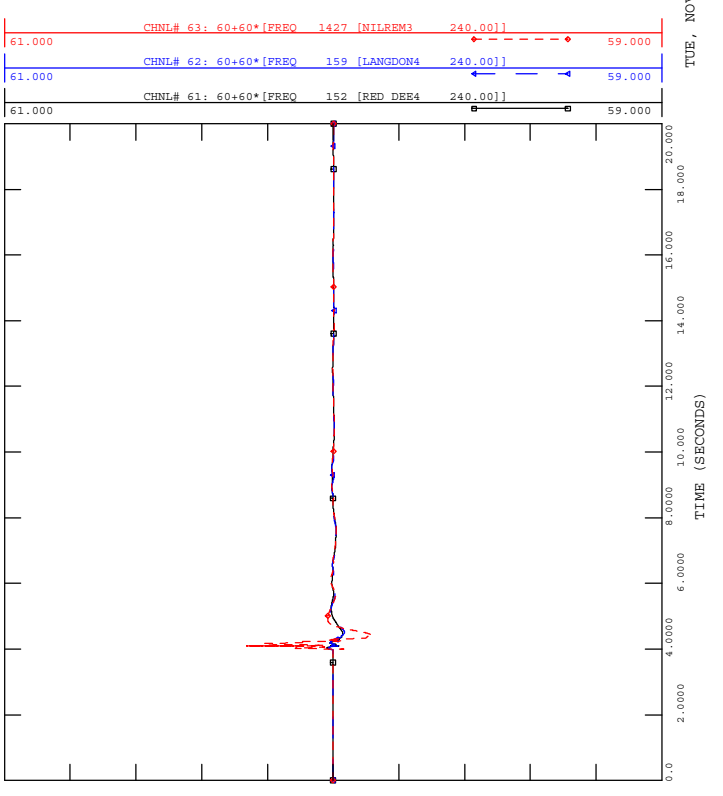


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_946S_946S-Oakland.out

TUE, NOV 29 2016 9:08

FREQUENCY

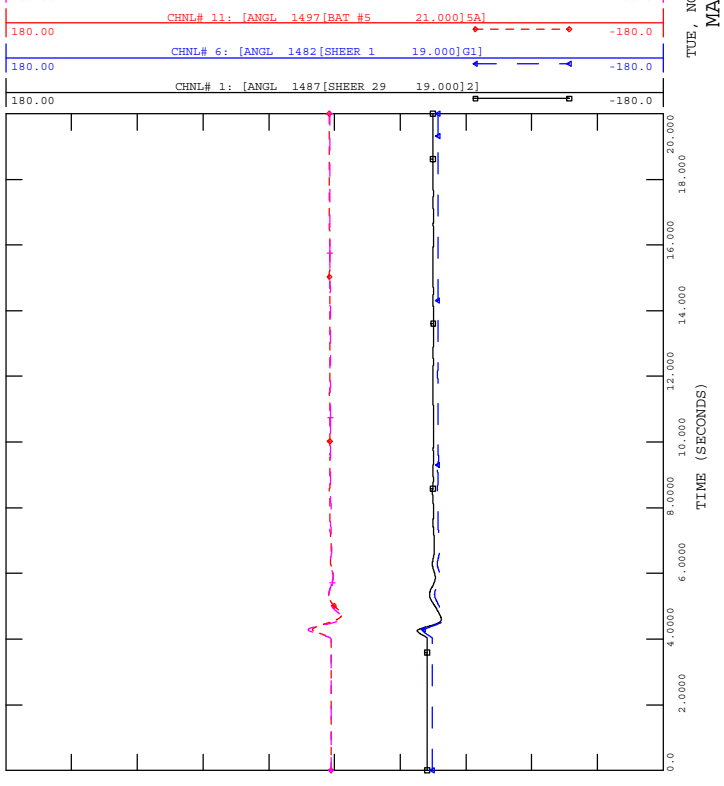


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_946S_946S-Oakland.out

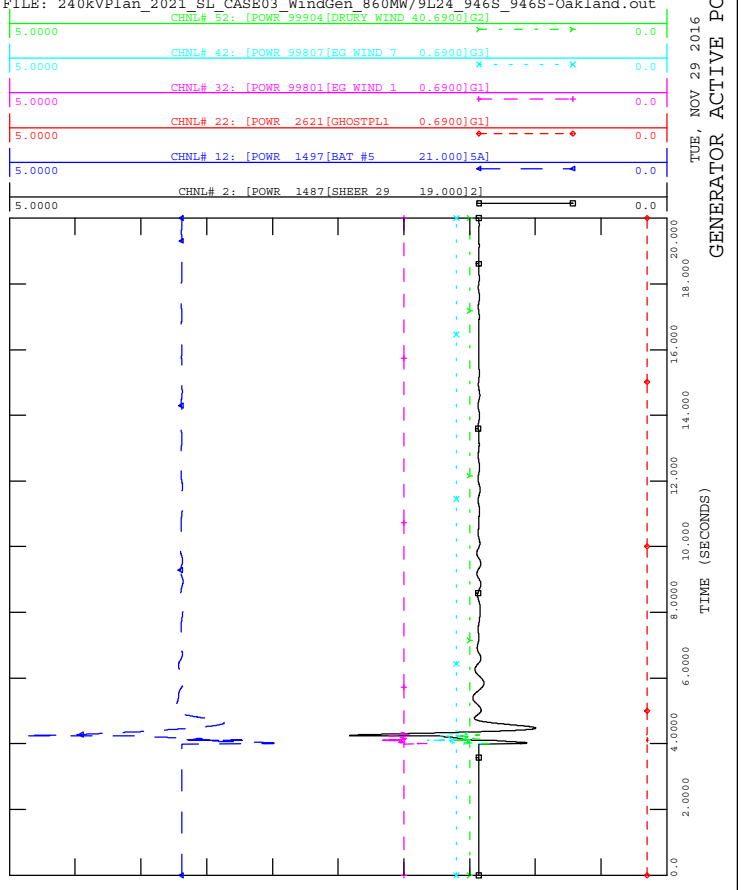
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_946S_946S-Oakland.out

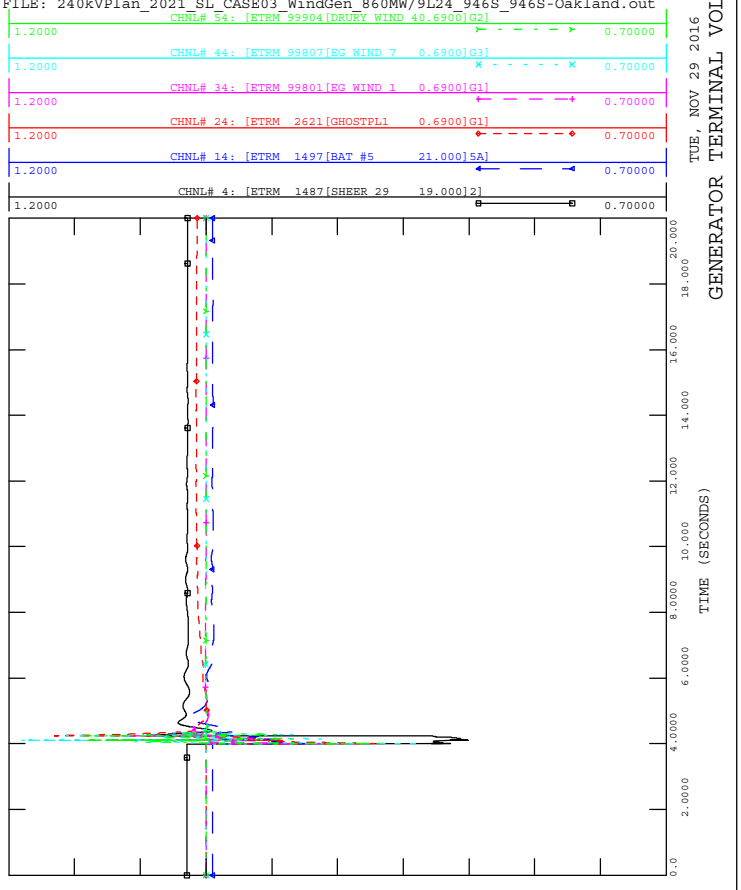


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_946S_946S-Oakland.out

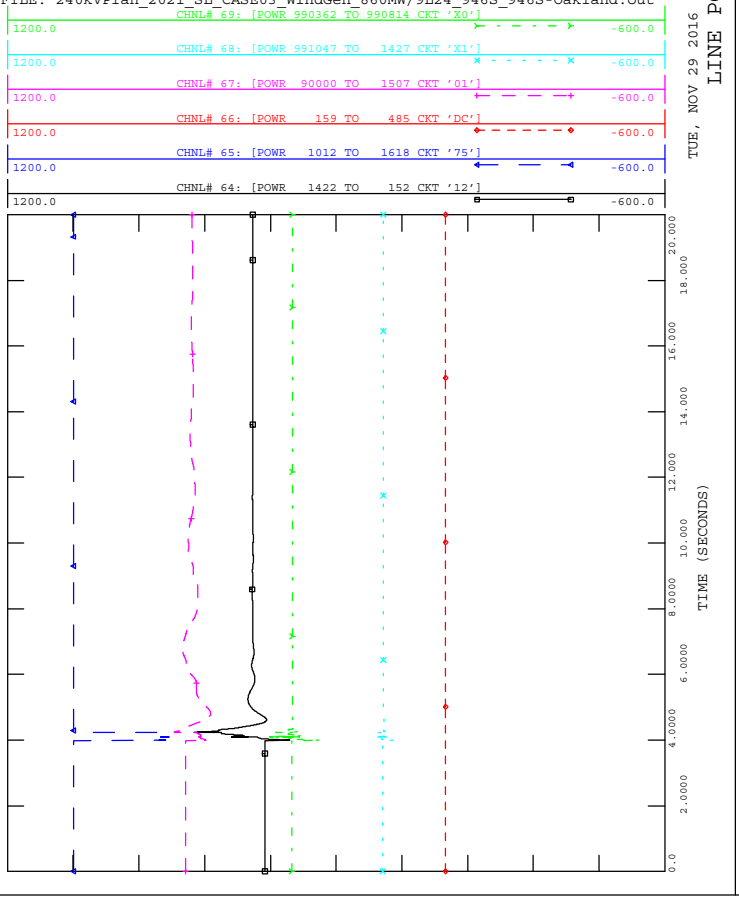


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_946S_946S-Oakland.out

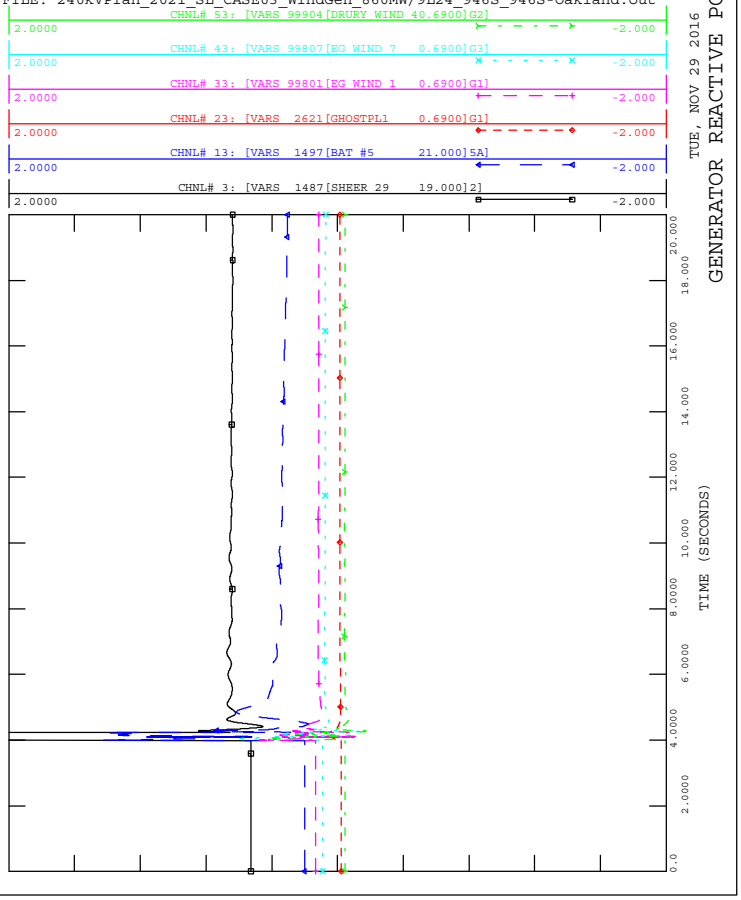


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L24_946S_946S-Oakland.out



TUE, NOV 29 2016 9:08

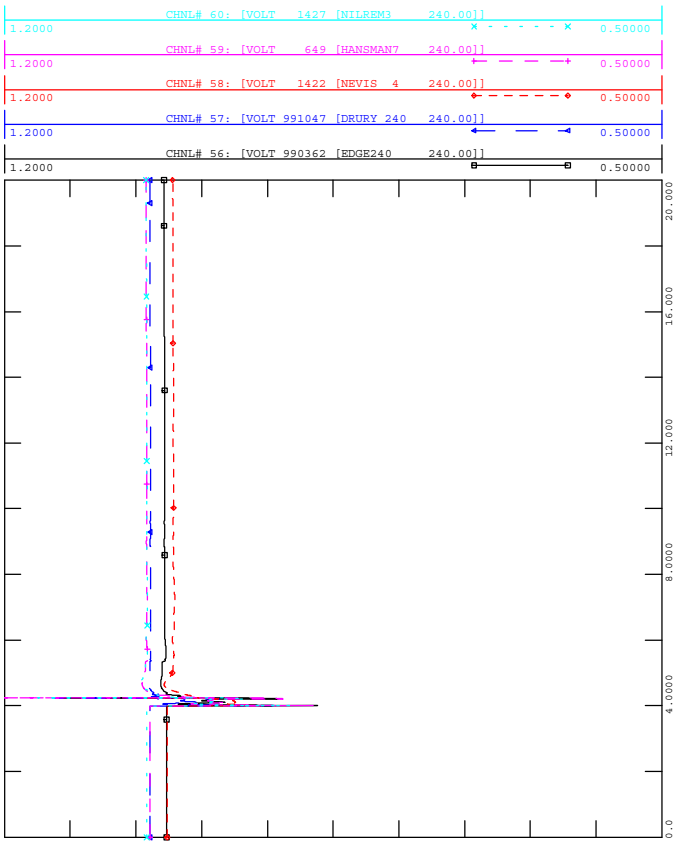
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_946S_946S-Oakland.out

TUE, NOV 29 2016 9:08

BUS VOLTAGE

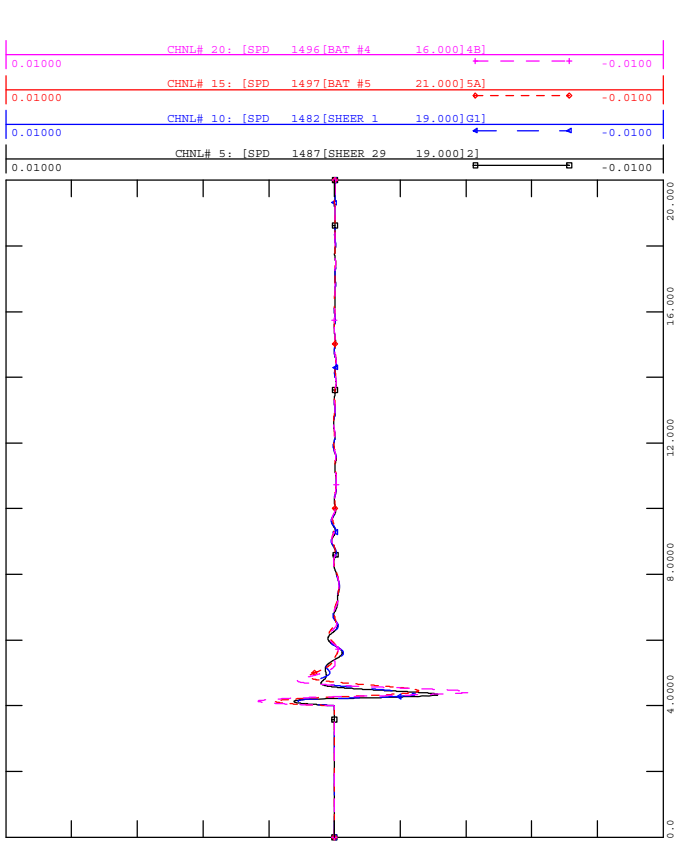


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_946S_946S-Oakland.out

TUE, NOV 29 2016 9:08

MACHINE SPEED

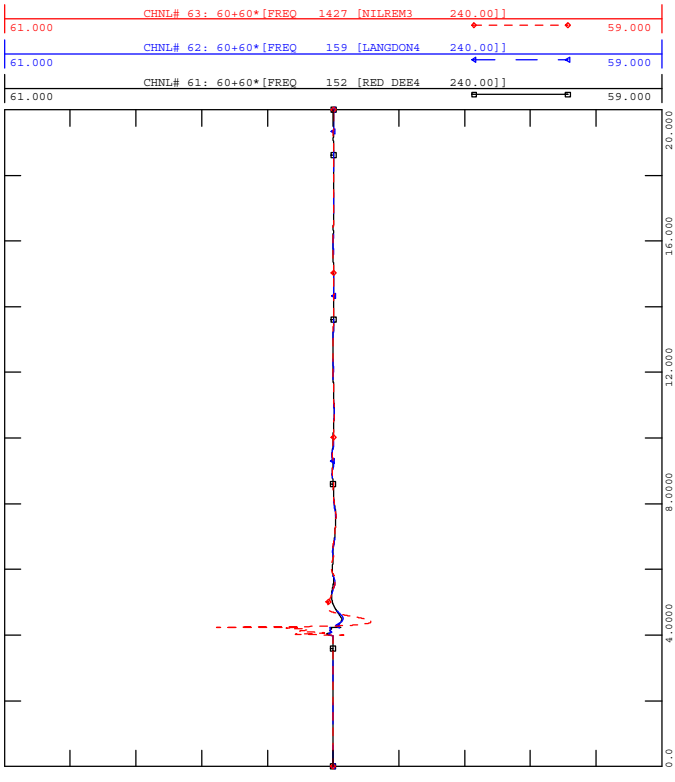


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_946S_946S-Oakland.out

TUE, NOV 29 2016 9:08

FREQUENCY

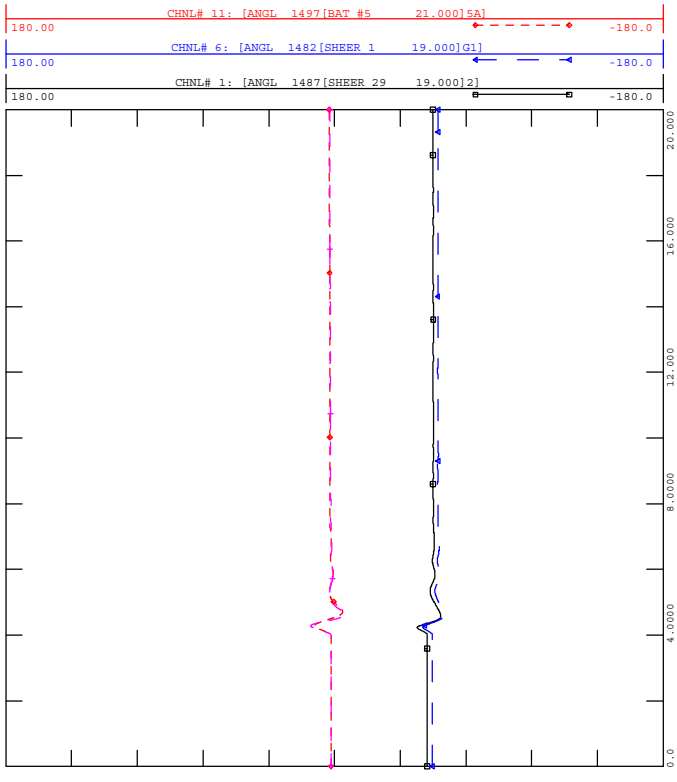


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_946S_946S-Oakland.out

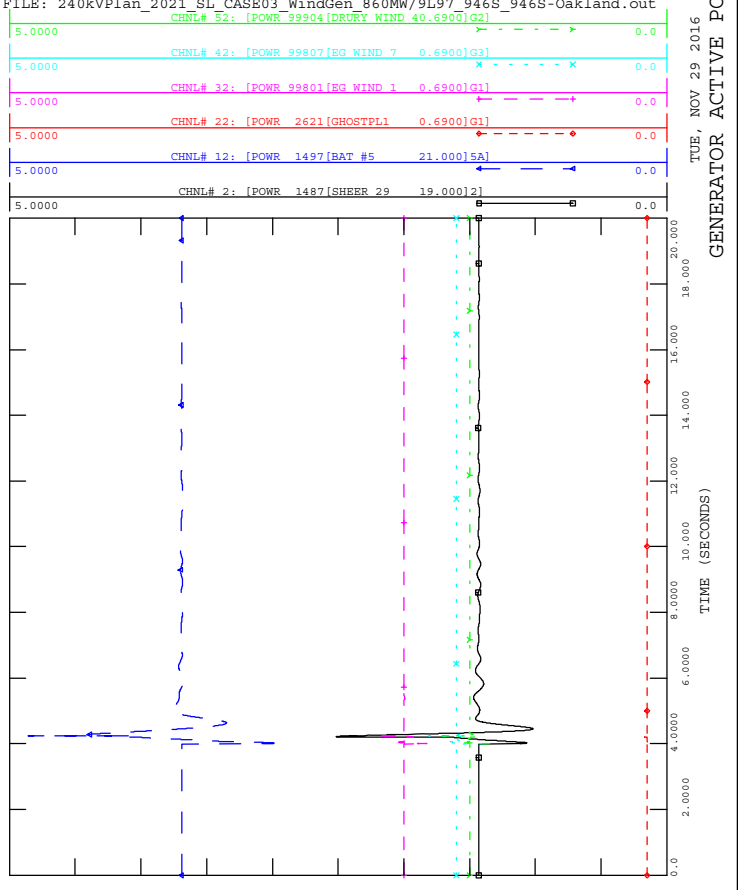
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_946S_946S-Oakland.out

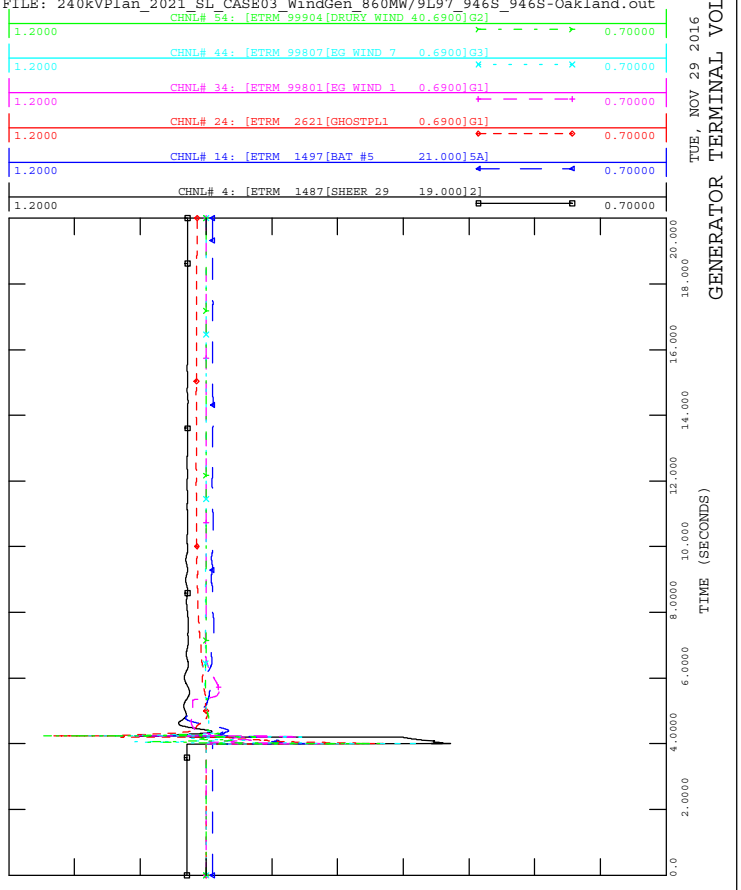


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_946S_946S-Oakland.out

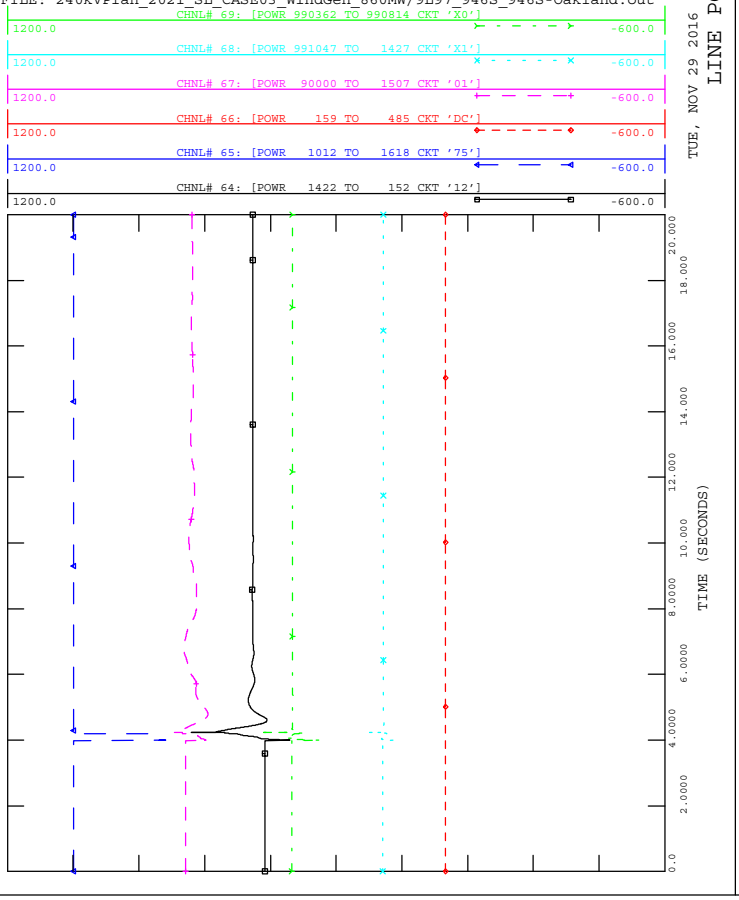


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_946S_946S-Oakland.out

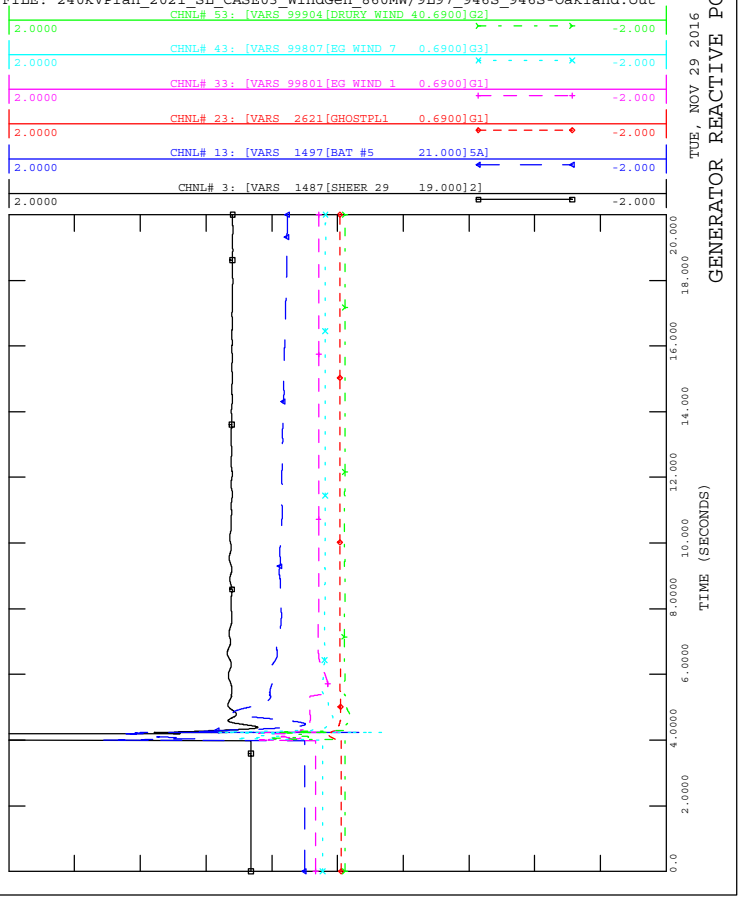


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L97_946S_946S-Oakland.out



TUE, NOV 29 2016 9:08

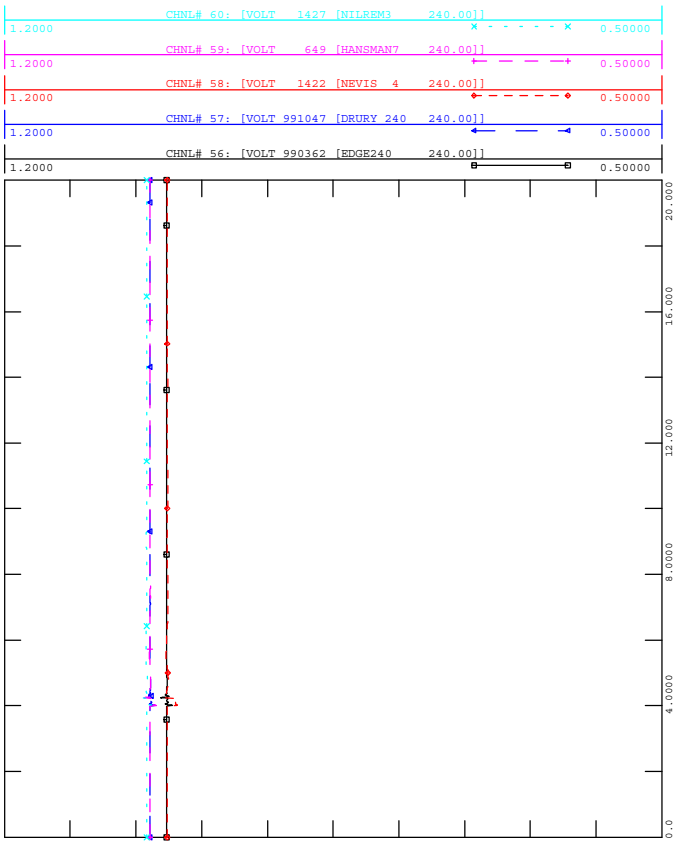
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S902_825S-Whitefish Lak

TUE, NOV 29 2016 9:08

BUS VOLTAGE

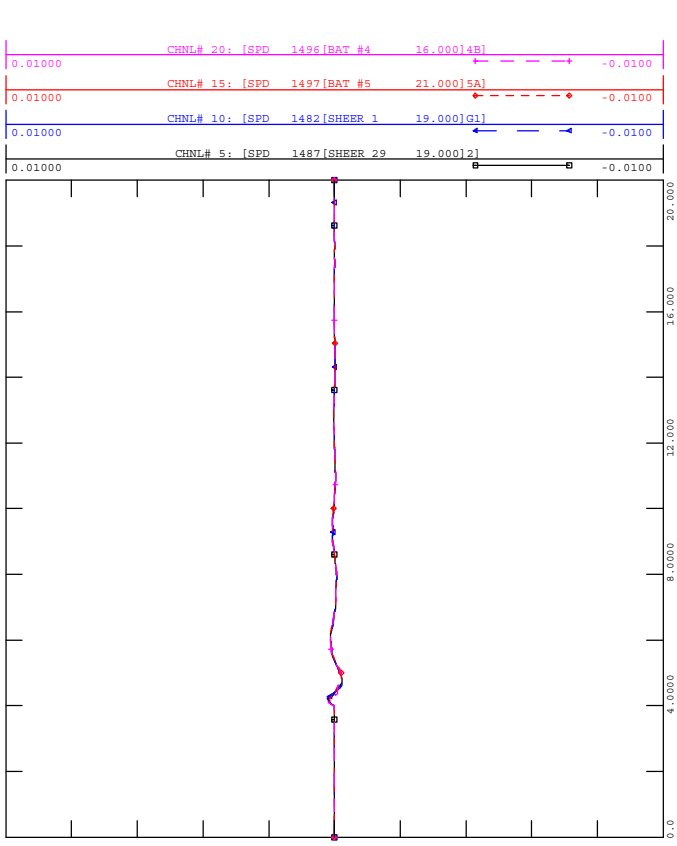


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S902_825S-Whitefish Lak

TUE, NOV 29 2016 9:08

MACHINE SPEED

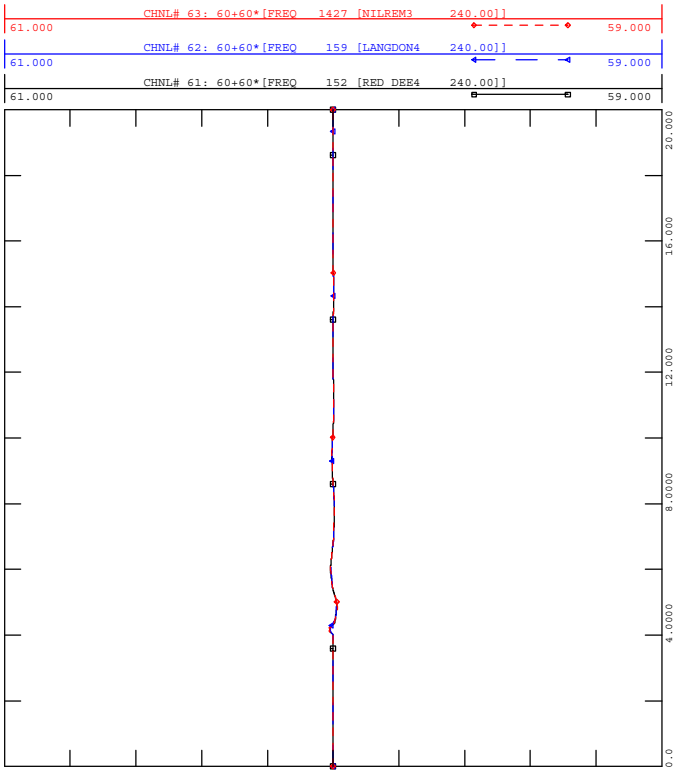


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S902_825S-Whitefish Lak

TUE, NOV 29 2016 9:08

FREQUENCY

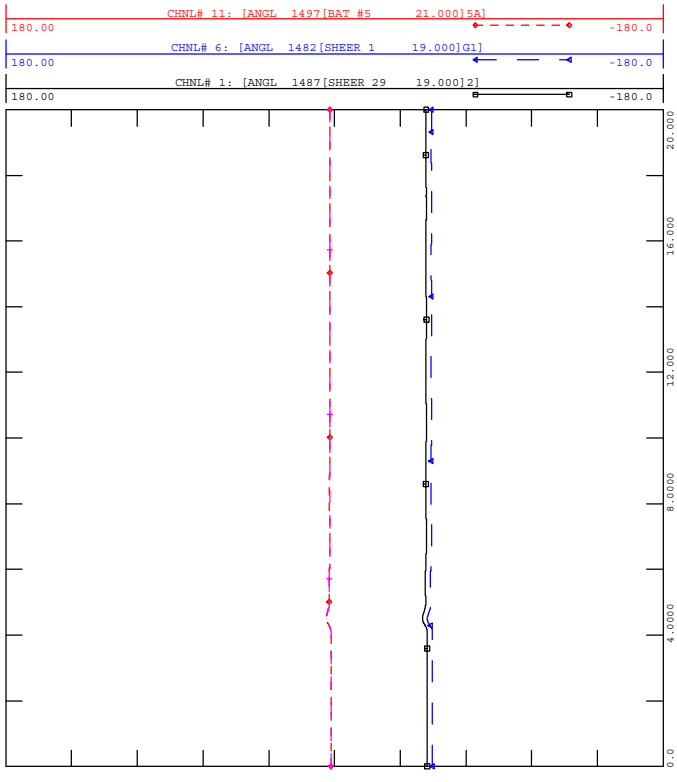


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S902_825S-Whitefish Lak

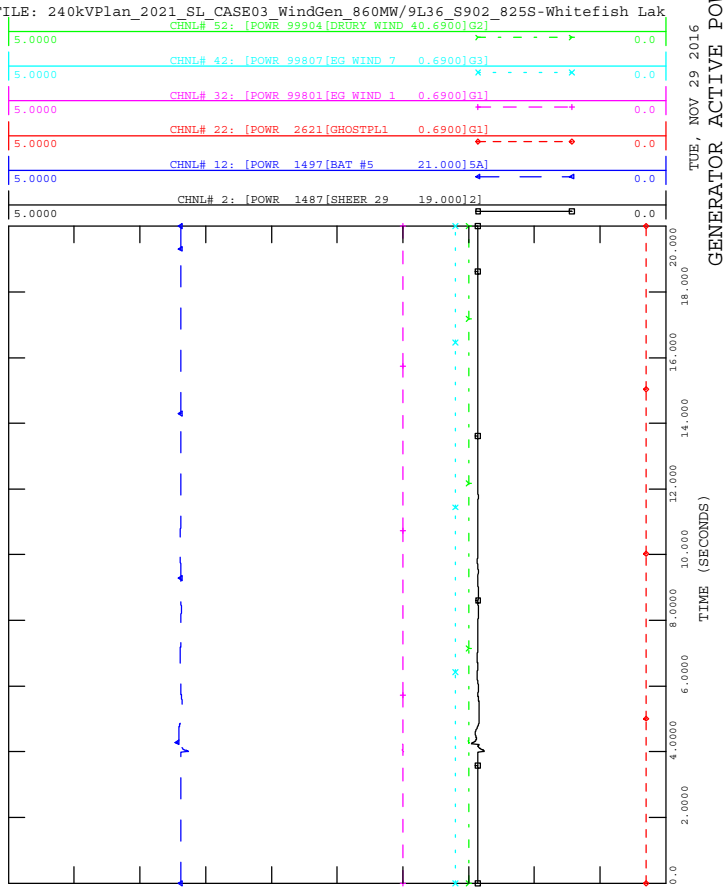
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S902_825S-Whitefish Lak

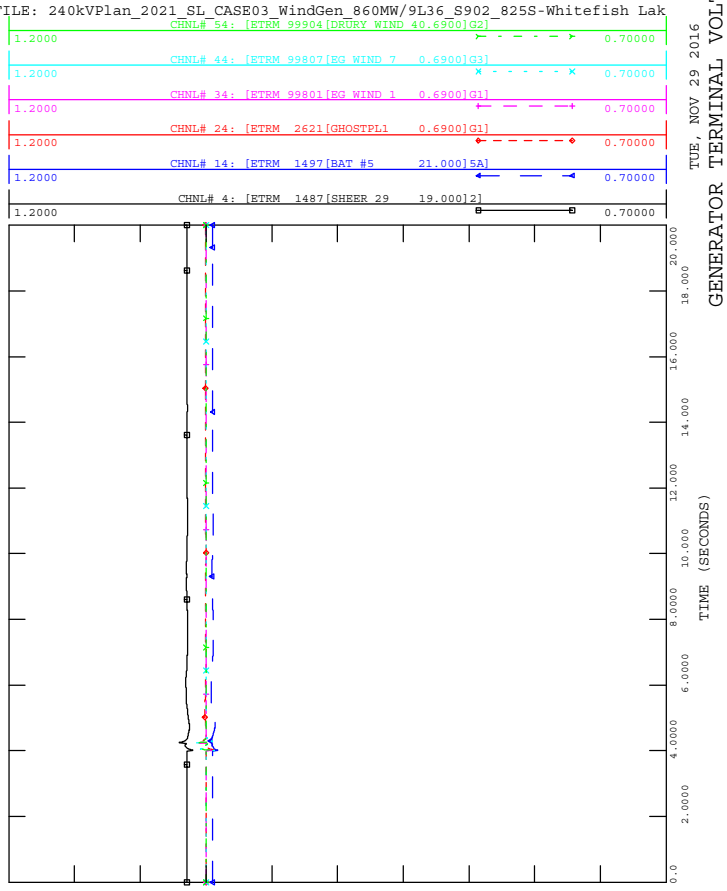


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S902_825S-Whitefish Lak

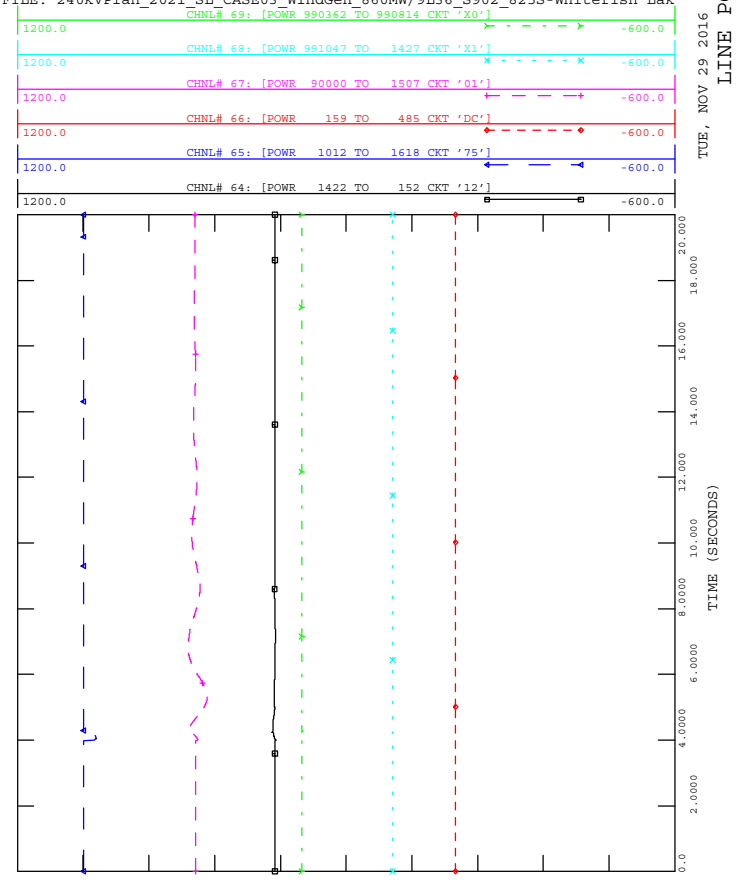


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S902_825S-Whitefish Lak

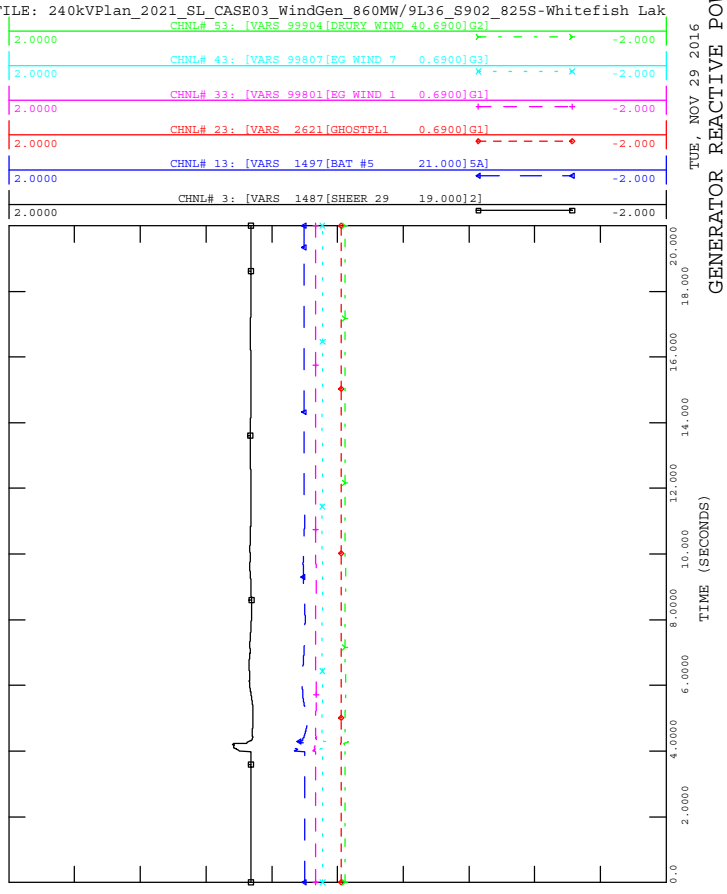


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S902_825S-Whitefish Lak



TUE, NOV 29 2016 9:08

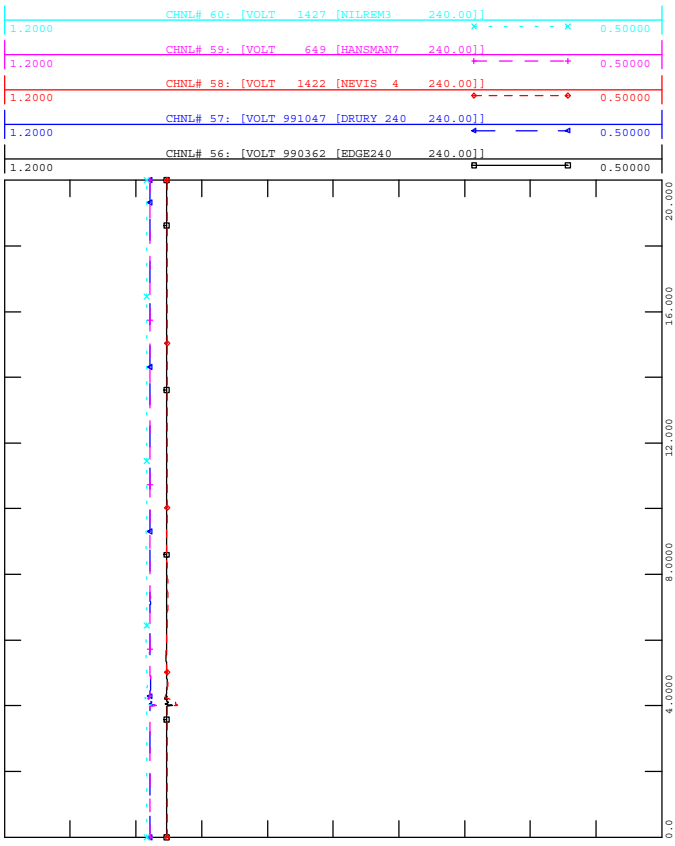
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S906_825S-Whitefish Lak

TUE, NOV 29 2016 9:08

BUS VOLTAGE

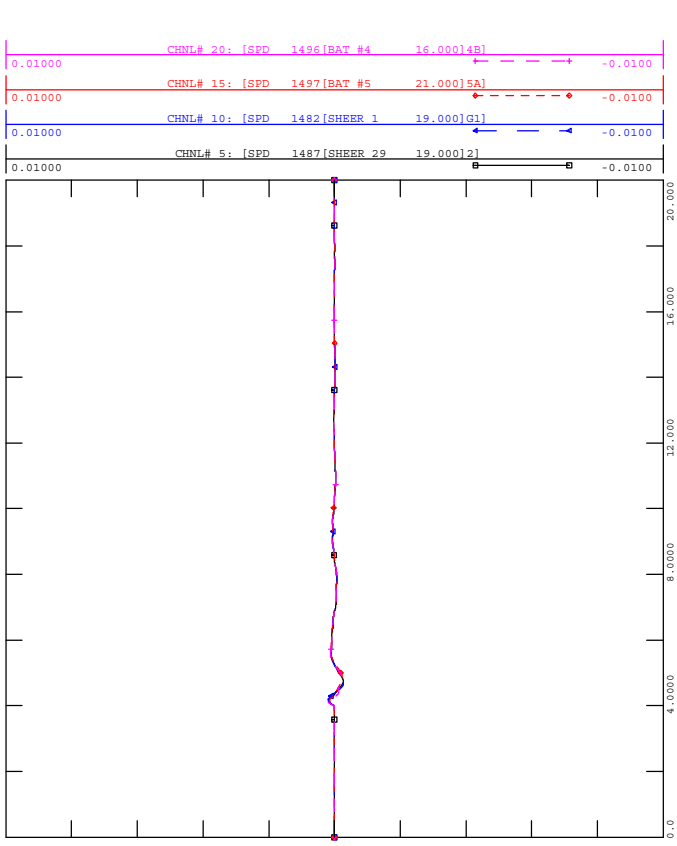


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S906_825S-Whitefish Lak

TUE, NOV 29 2016 9:08

MACHINE SPEED

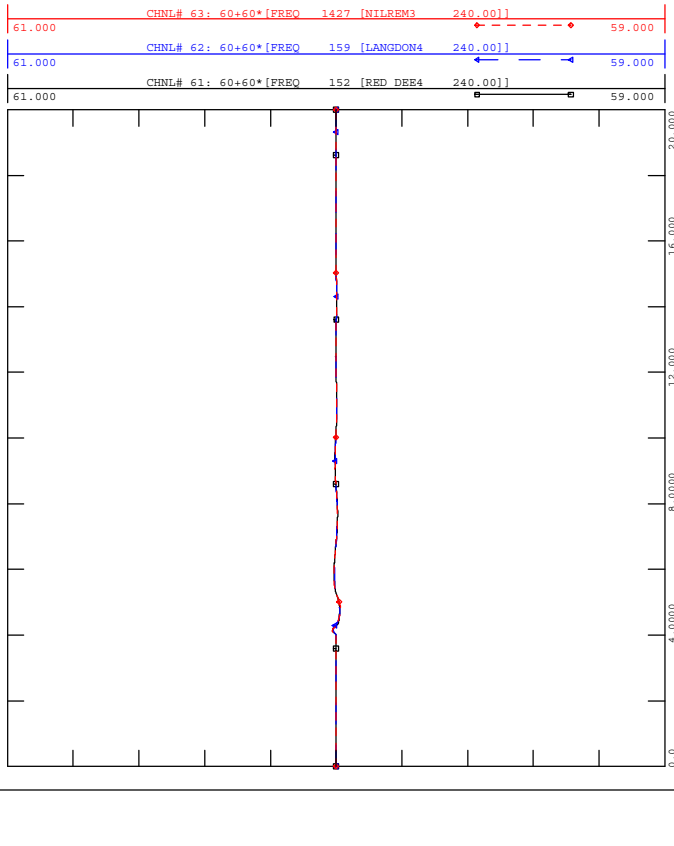


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S906_825S-Whitefish Lak

TUE, NOV 29 2016 9:08

FREQUENCY

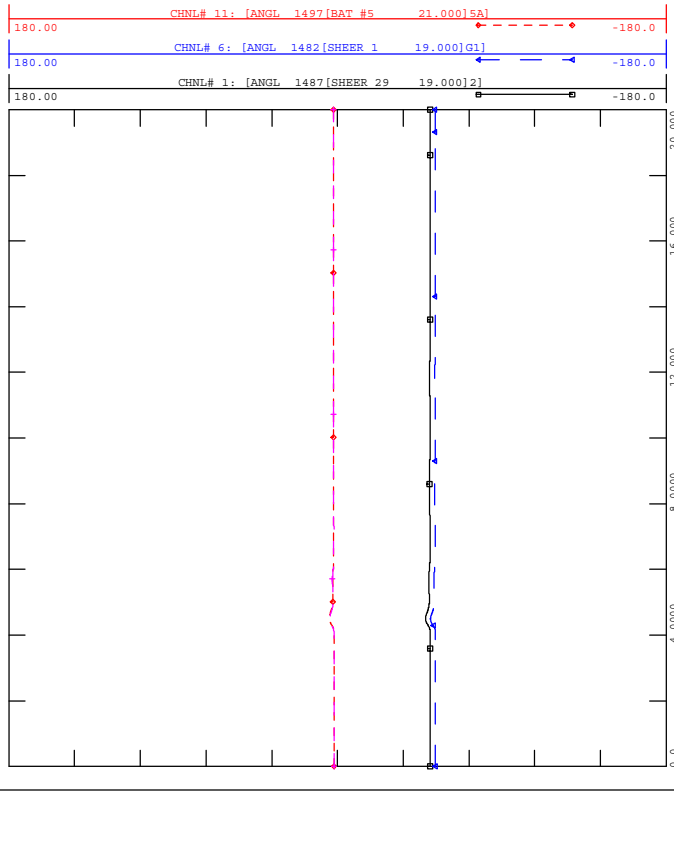


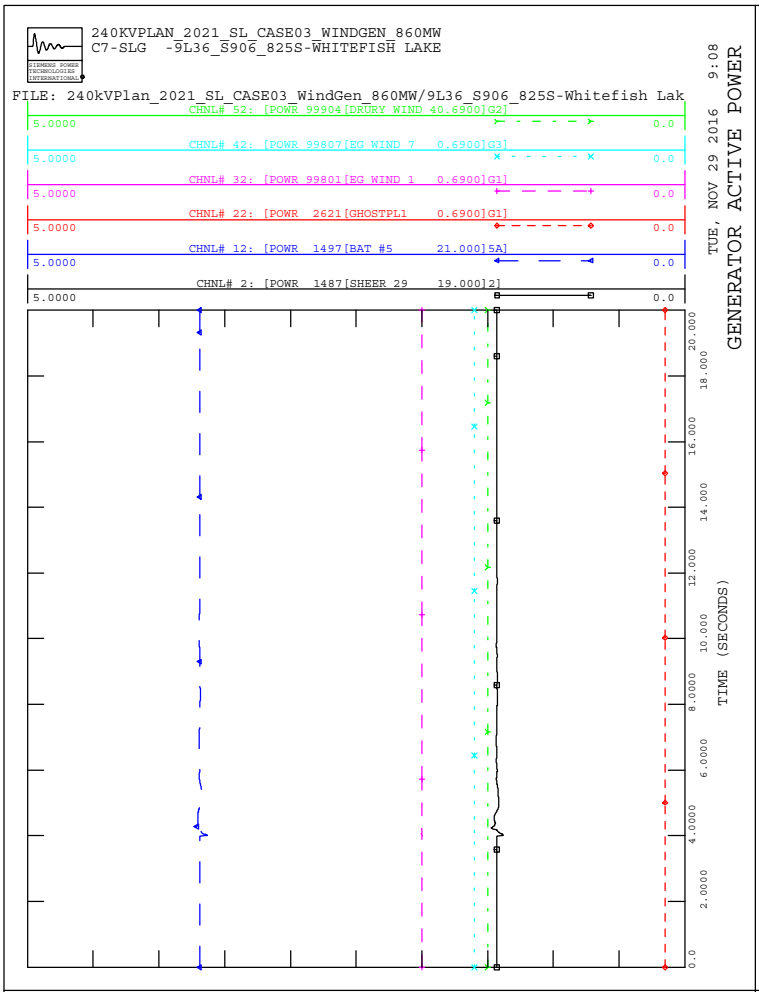
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

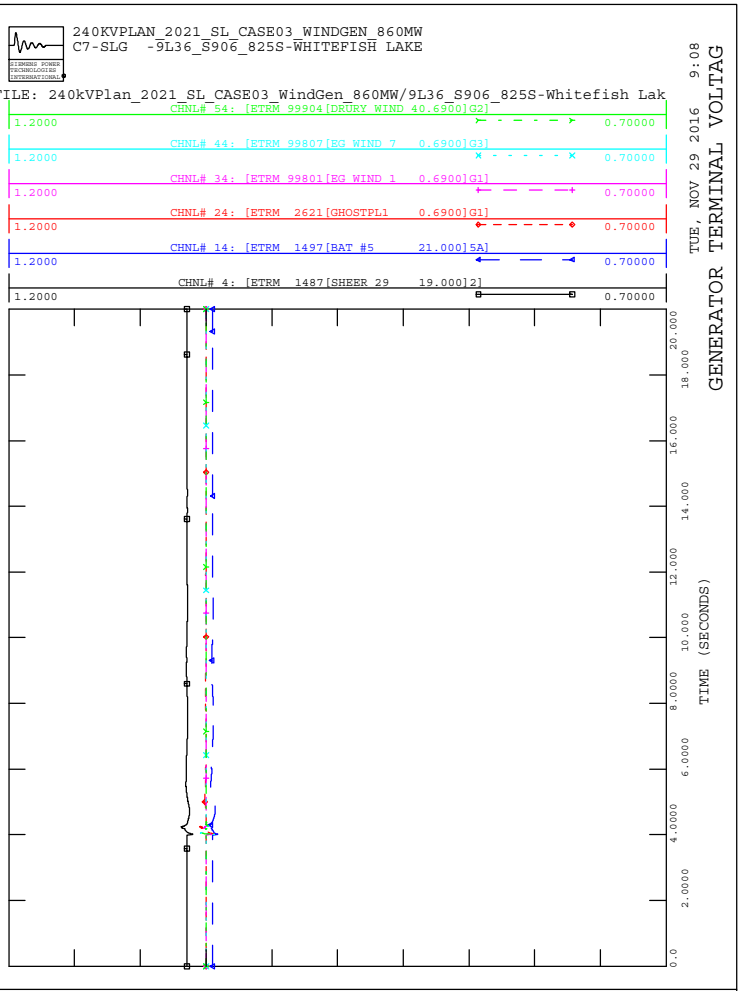
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S906_825S-Whitefish Lak

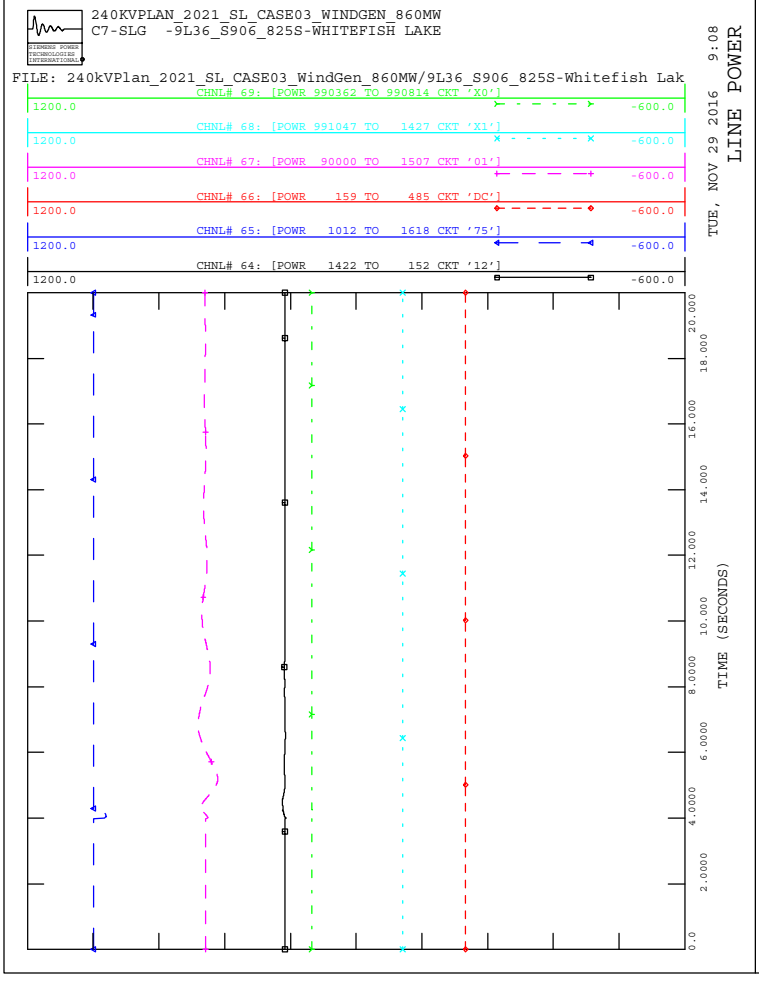
TUE, NOV 29 2016 9:08

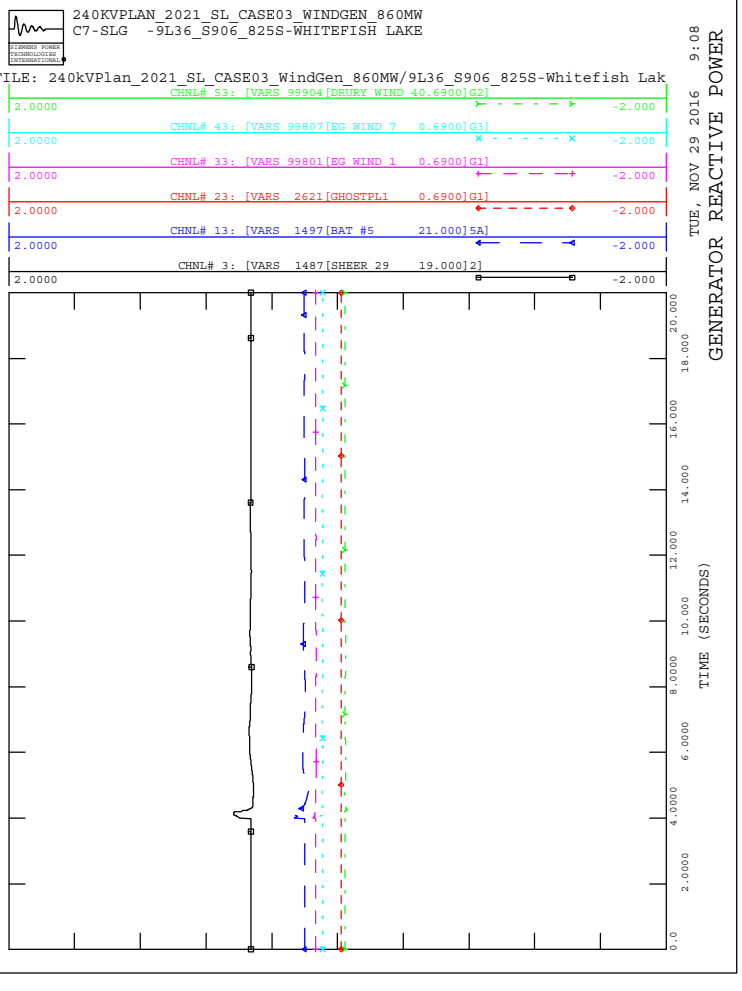
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S906_825S-Whitefish Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:08
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S906_825S-Whitefish Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:08
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S906_825S-Whitefish Lak
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:08
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

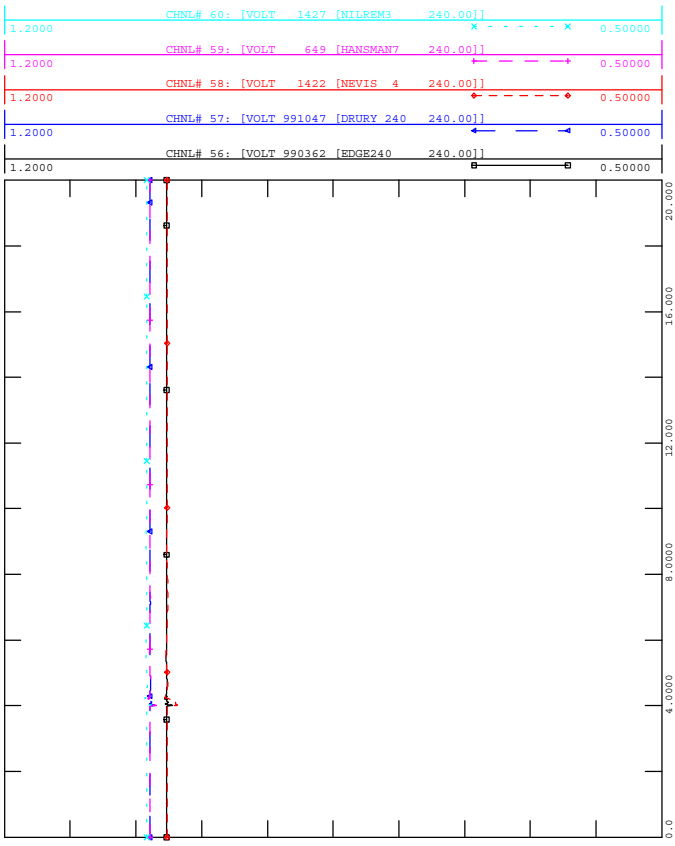

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L36_S906_825S-Whitefish Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:08
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S905_825S-Whitefish Lak

TUE, NOV 29 2016 9:08

BUS VOLTAGE

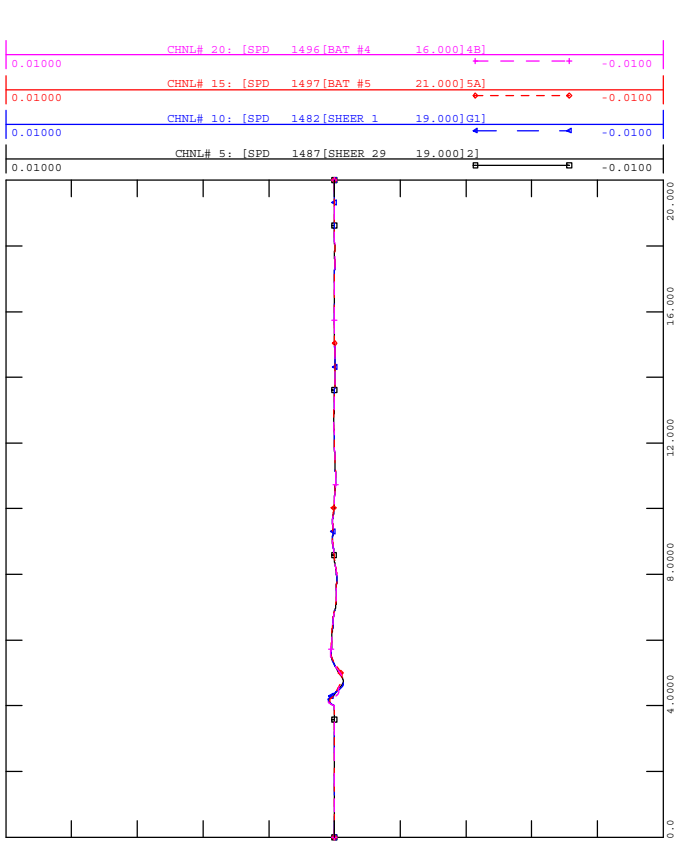


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S905_825S-Whitefish Lak

TUE, NOV 29 2016 9:08

MACHINE SPEED

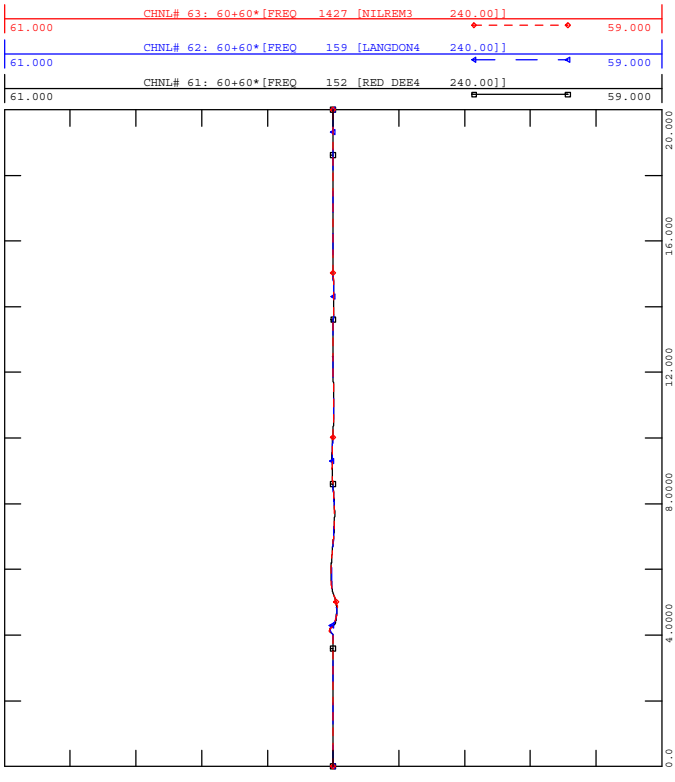


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S905_825S-Whitefish Lak

TUE, NOV 29 2016 9:08

FREQUENCY

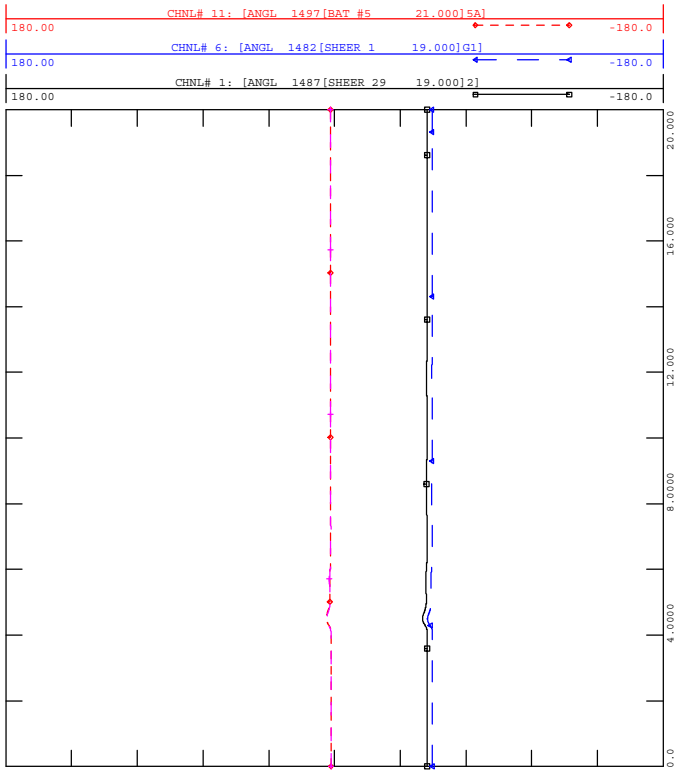


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S905_825S-Whitefish Lak

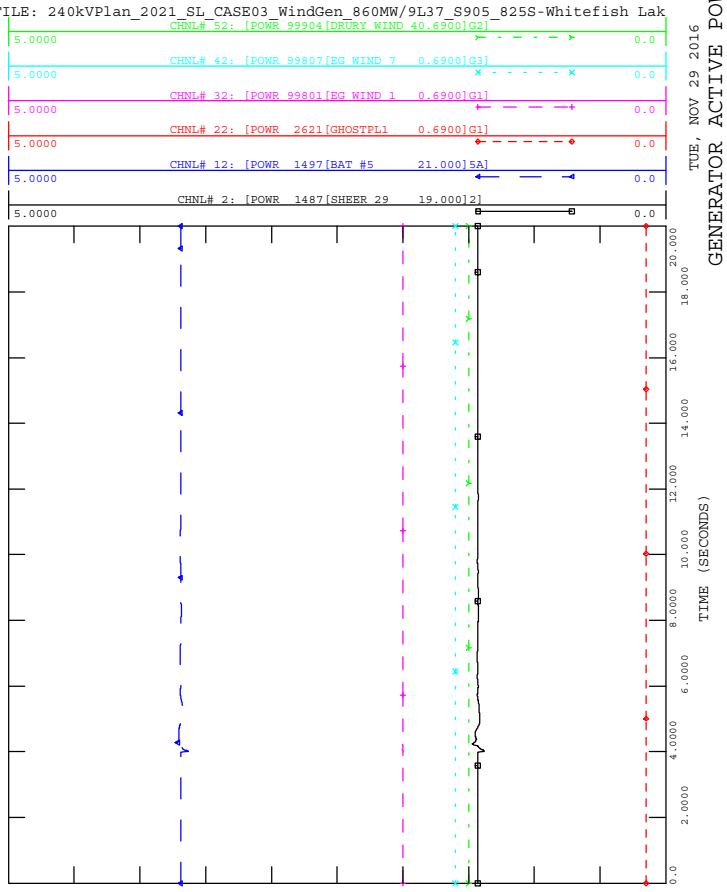
TUE, NOV 29 2016 9:08

MACHINE ANGEL



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S905_825S-Whitefish Lak

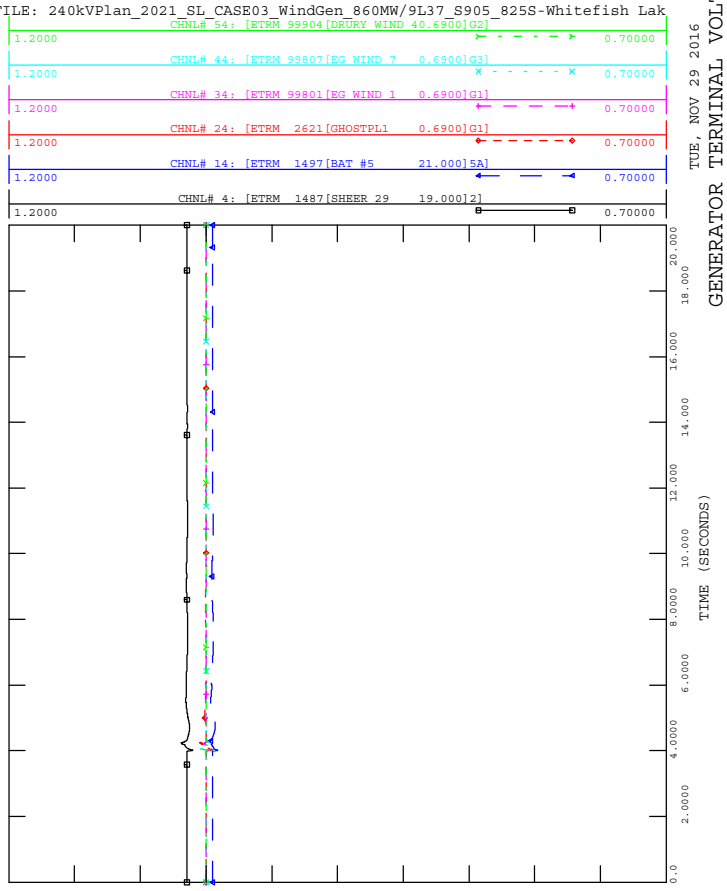


TUE, NOV 29 2016 9:08

GENERATOR ACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S905_825S-Whitefish Lak

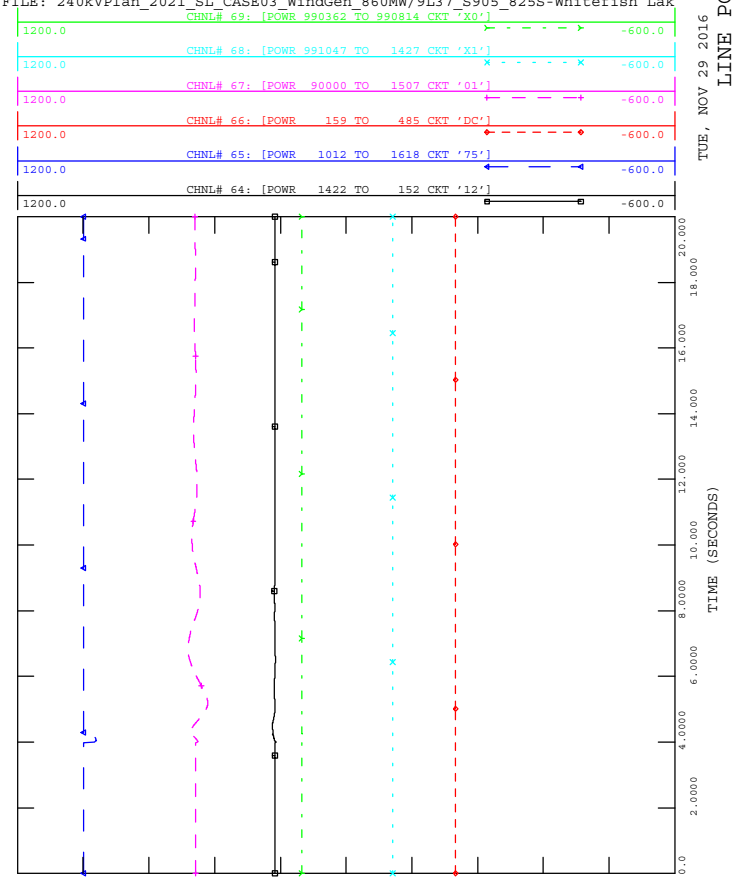


TUE, NOV 29 2016 9:08

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S905_825S-Whitefish Lak

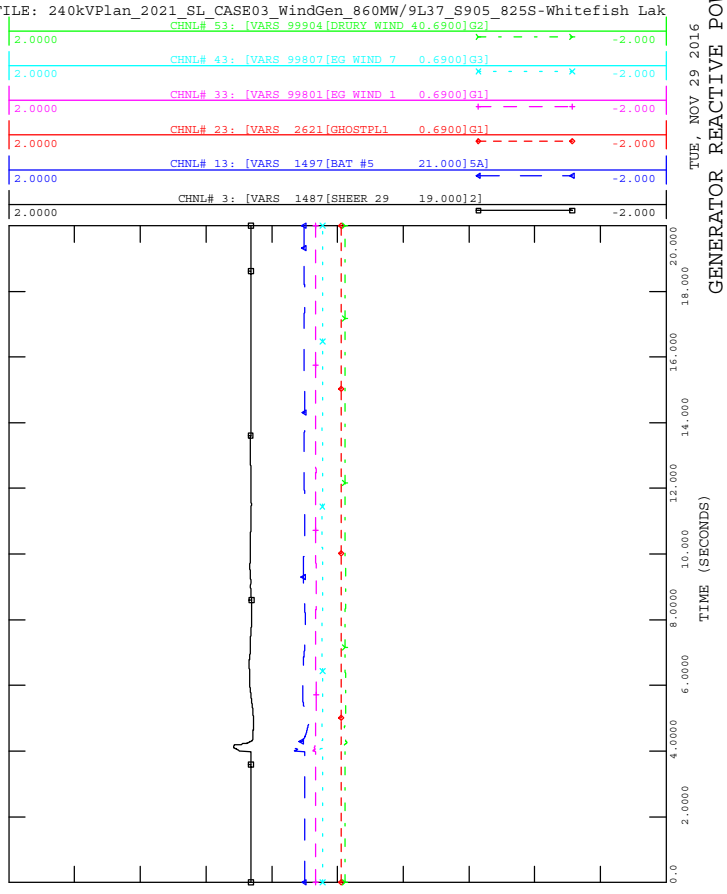


TUE, NOV 29 2016 9:08

LINE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S905_825S-Whitefish Lak



TUE, NOV 29 2016 9:08

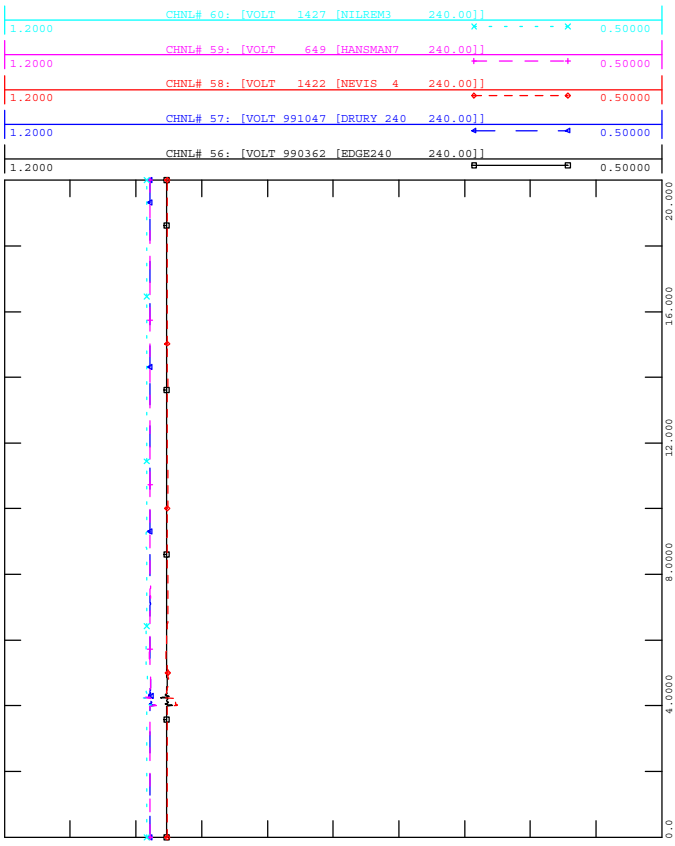
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S903_825S-Whitefish Lak

TUE, NOV 29 2016 9:08

BUS VOLTAGE

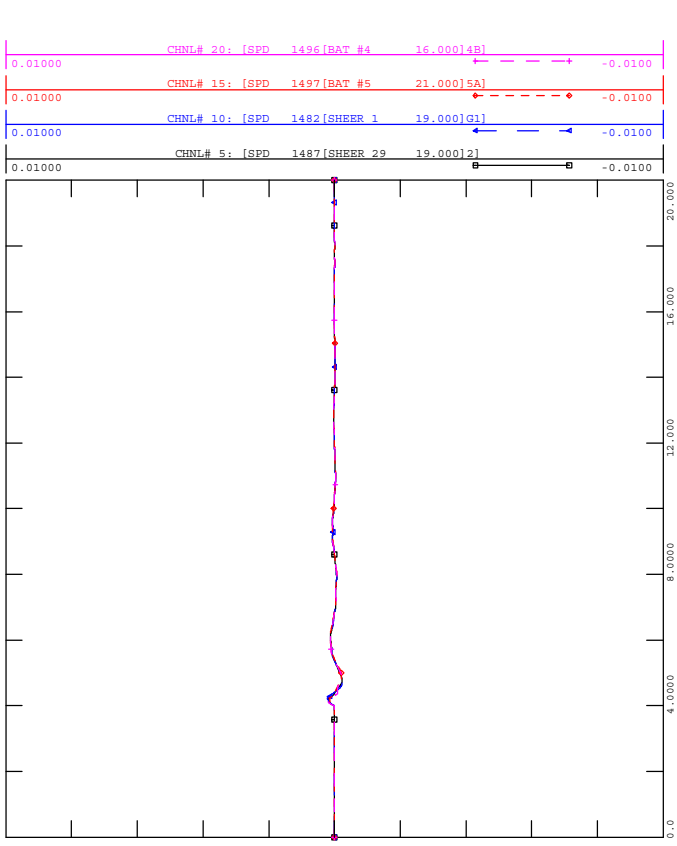


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S903_825S-Whitefish Lak

TUE, NOV 29 2016 9:08

MACHINE SPEED

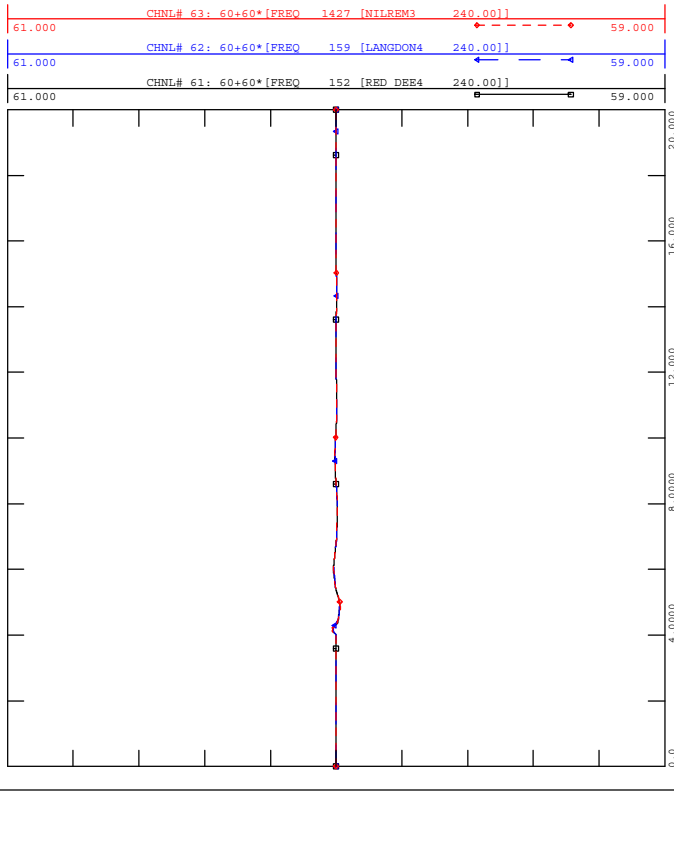


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S903_825S-Whitefish Lak

TUE, NOV 29 2016 9:08

FREQUENCY

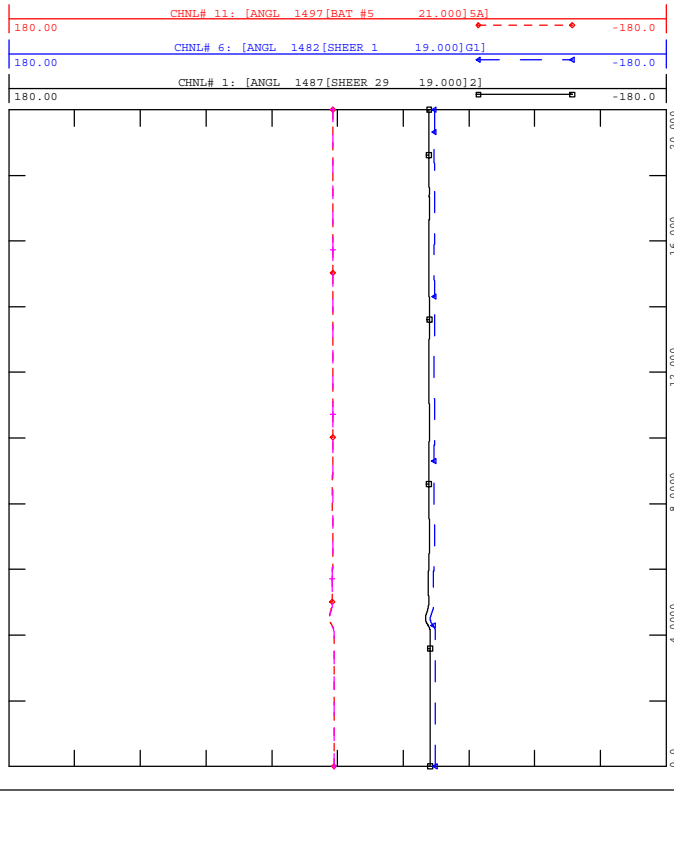


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S903_825S-Whitefish Lak

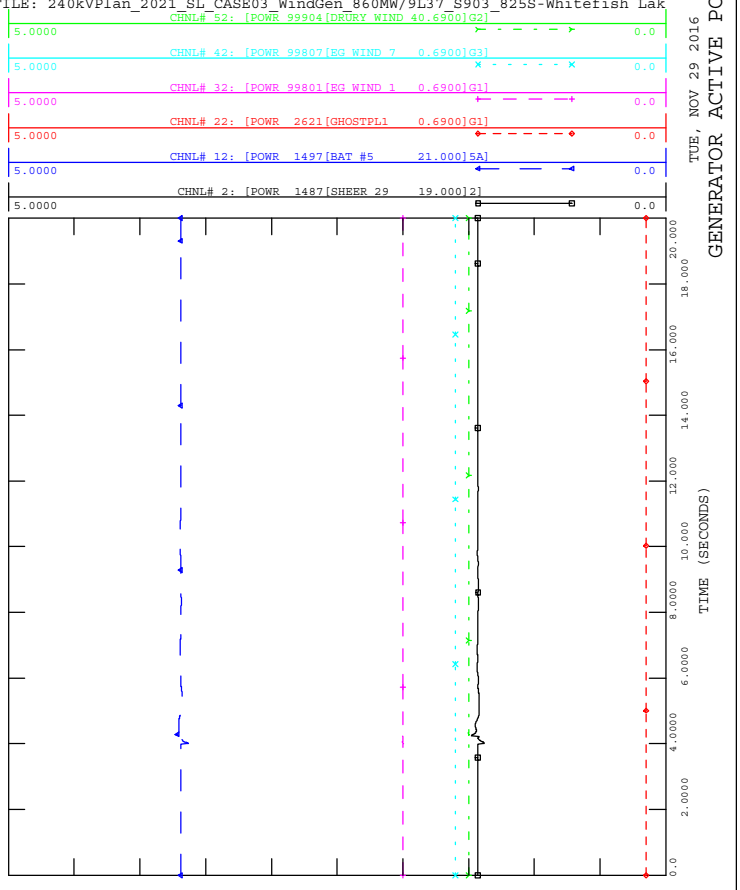
TUE, NOV 29 2016 9:08

MACHINE ANGEL



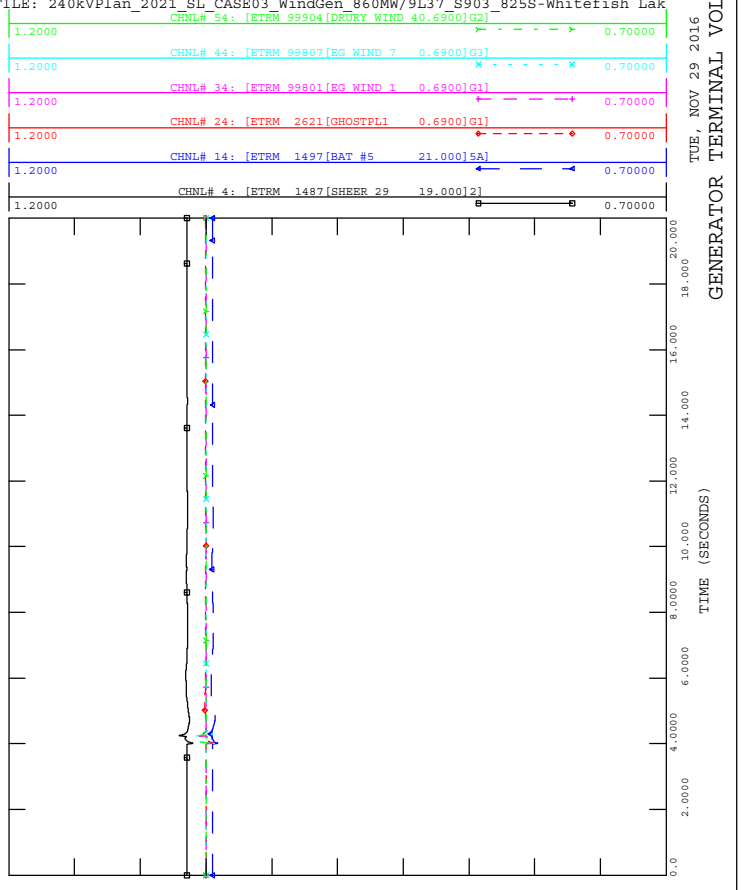
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S903_825S-Whitefish Lak



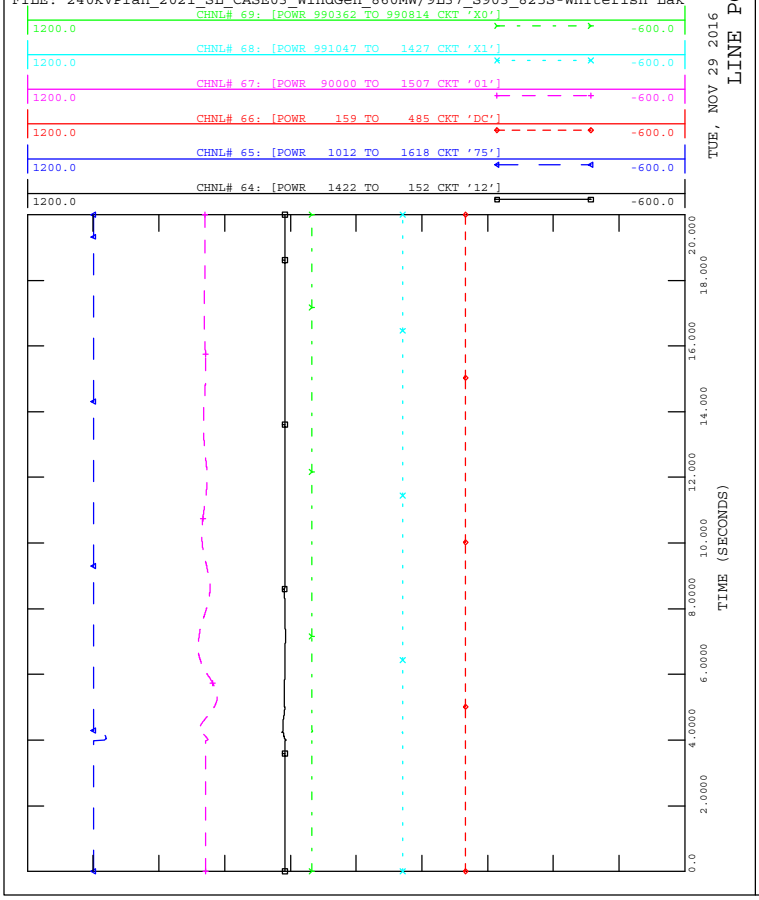
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S903_825S-Whitefish Lak



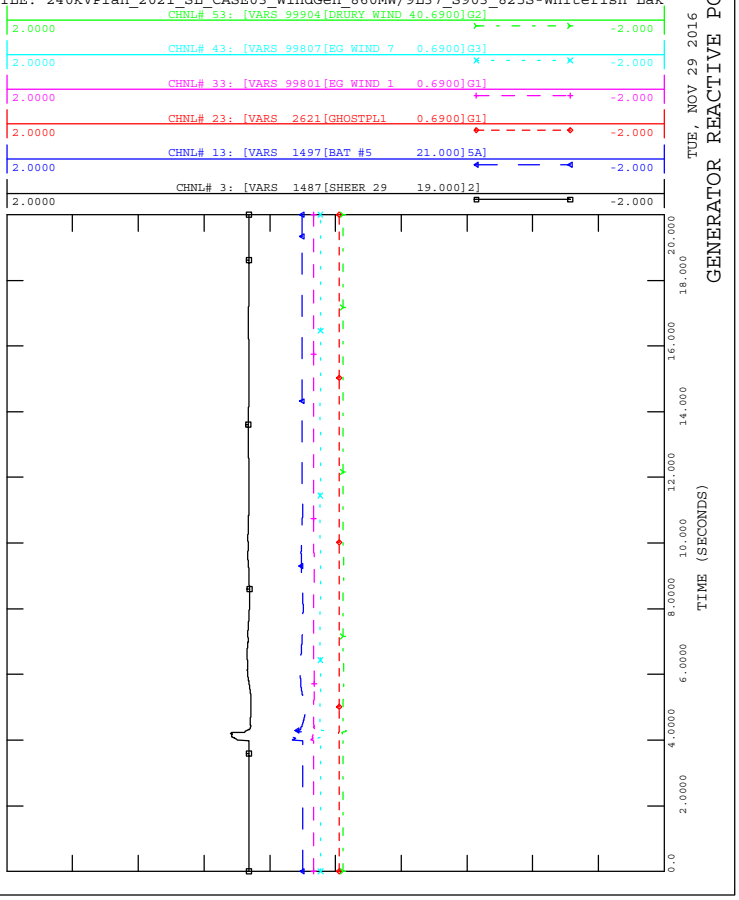
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S903_825S-Whitefish Lak



240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/9L37_S903_825S-Whitefish Lak



Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Winter Peak

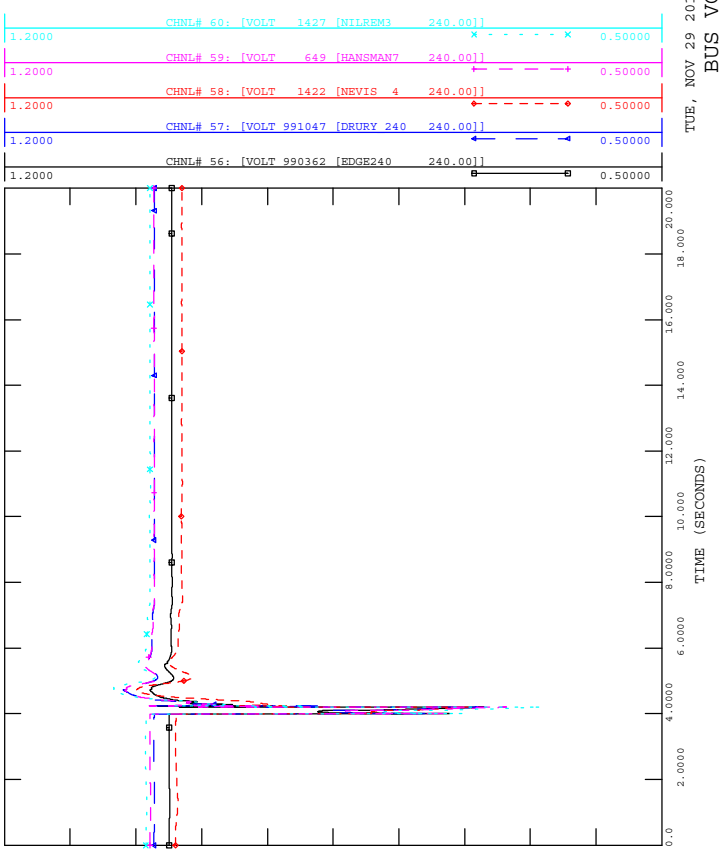
Category C7 (Single-line-to-ground Fault)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

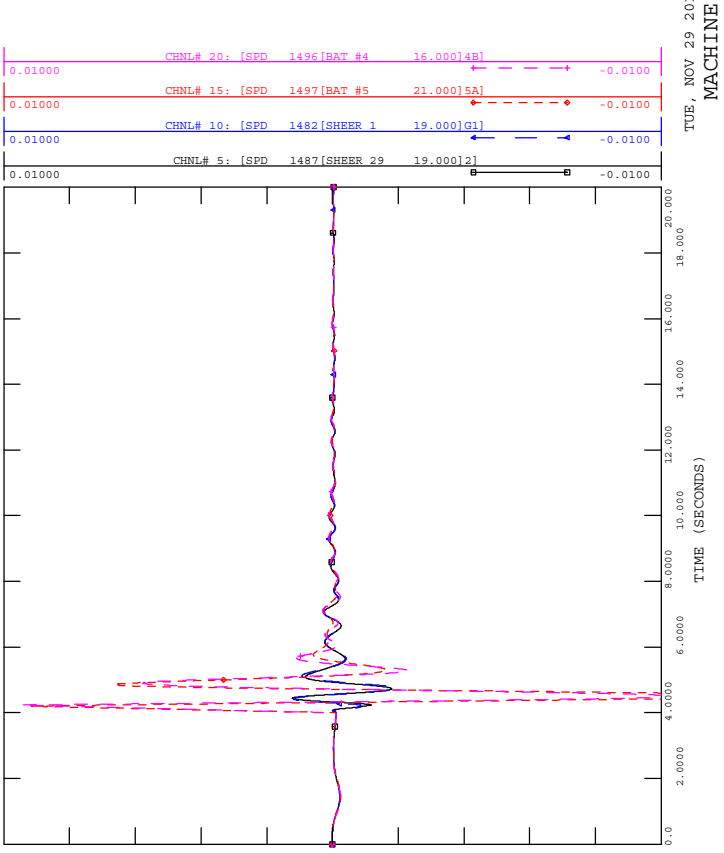


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S904_755S-Cordel.out

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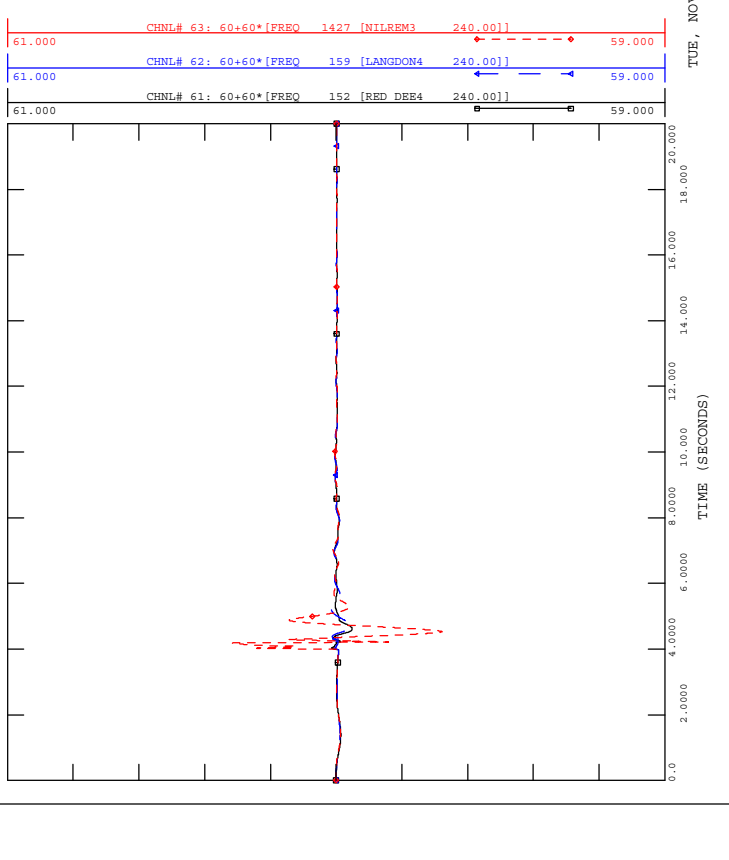
FREQUENCY

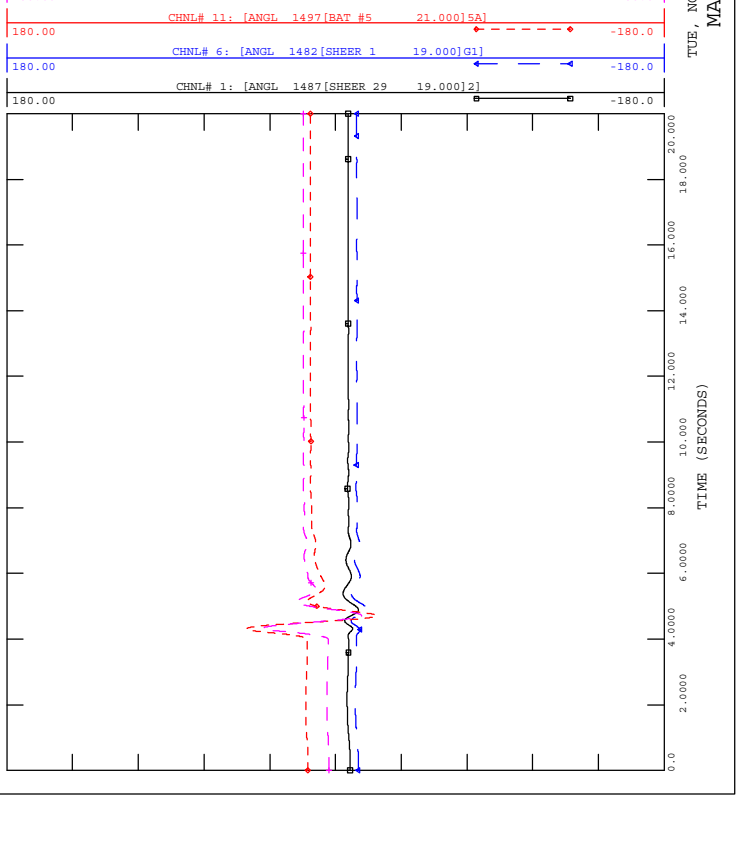


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

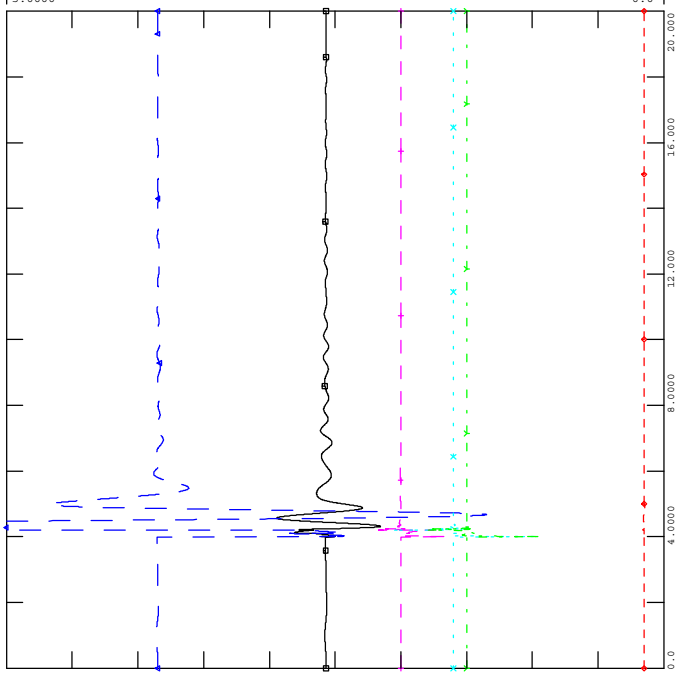
GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

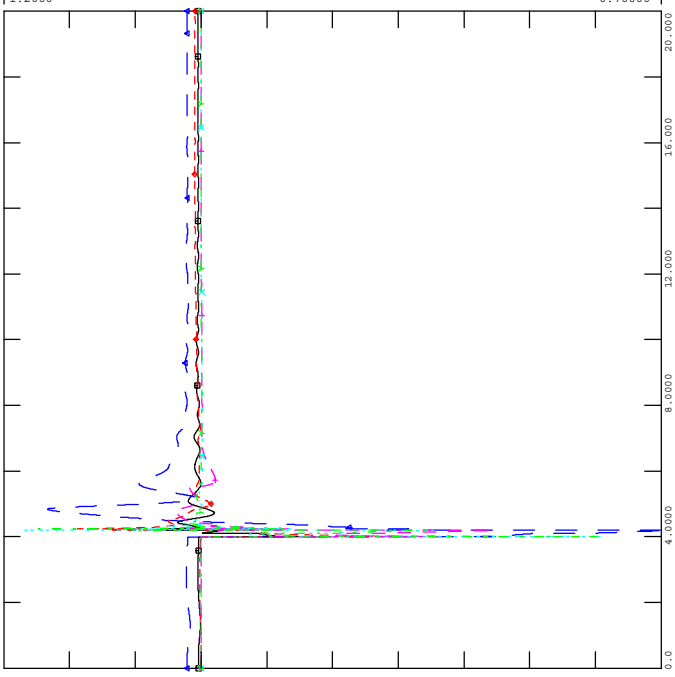
GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

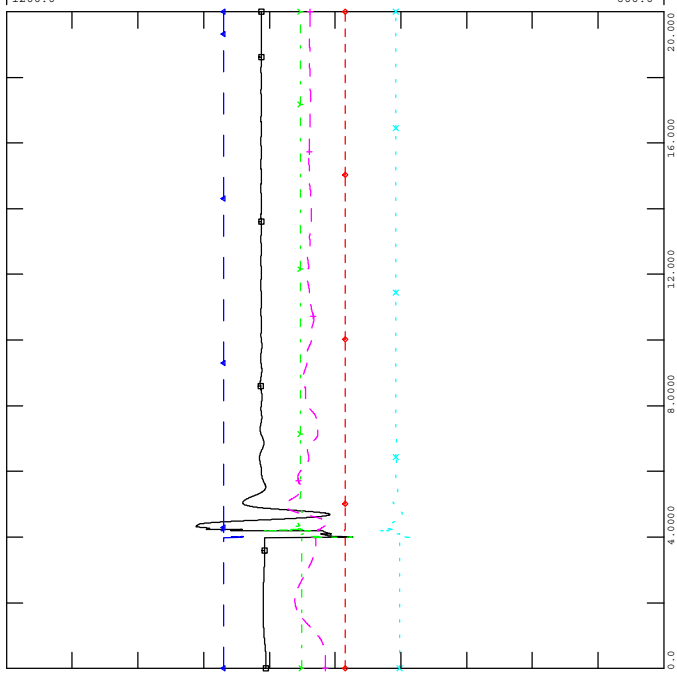
LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

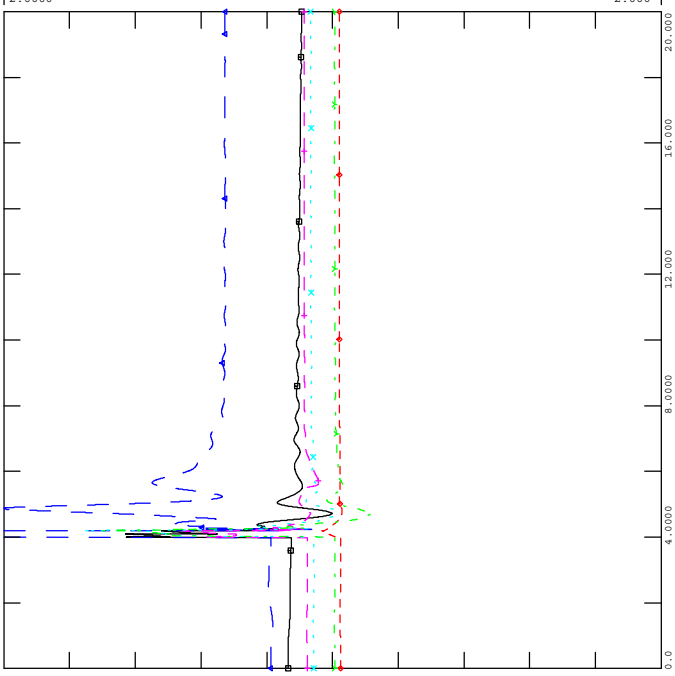
GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

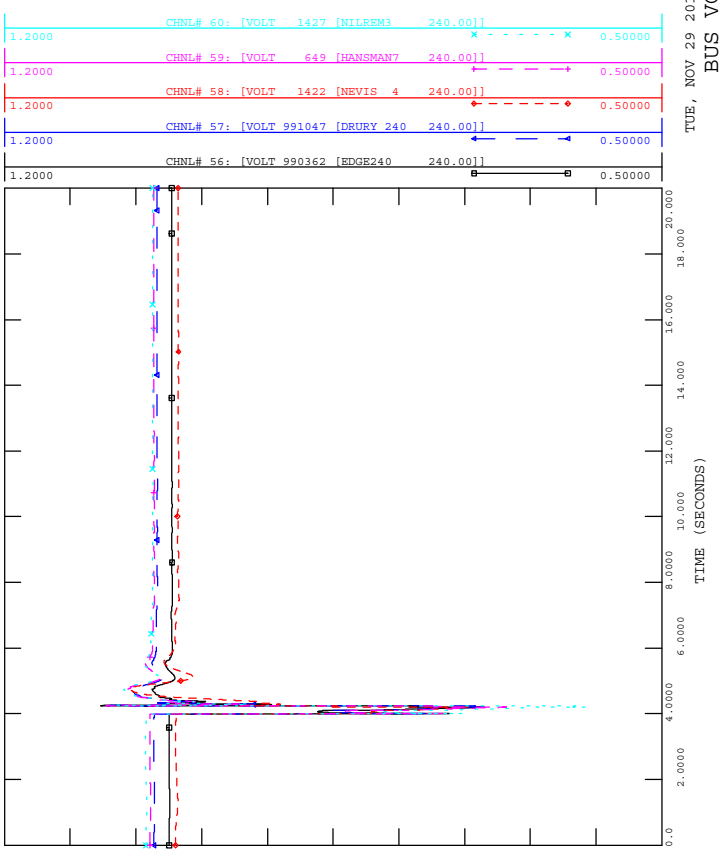


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S905_755S-Cordel.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

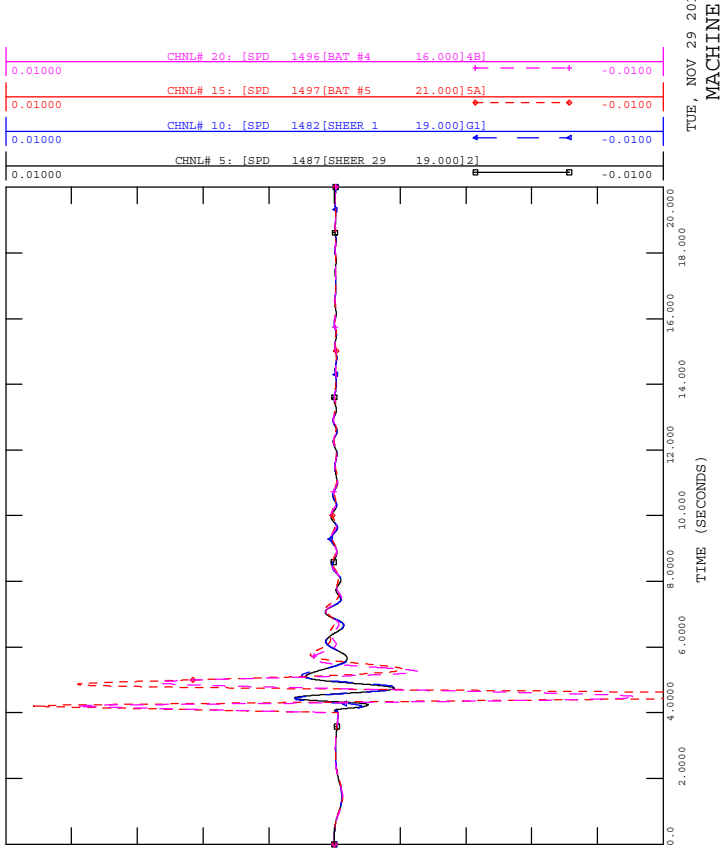


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S905_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

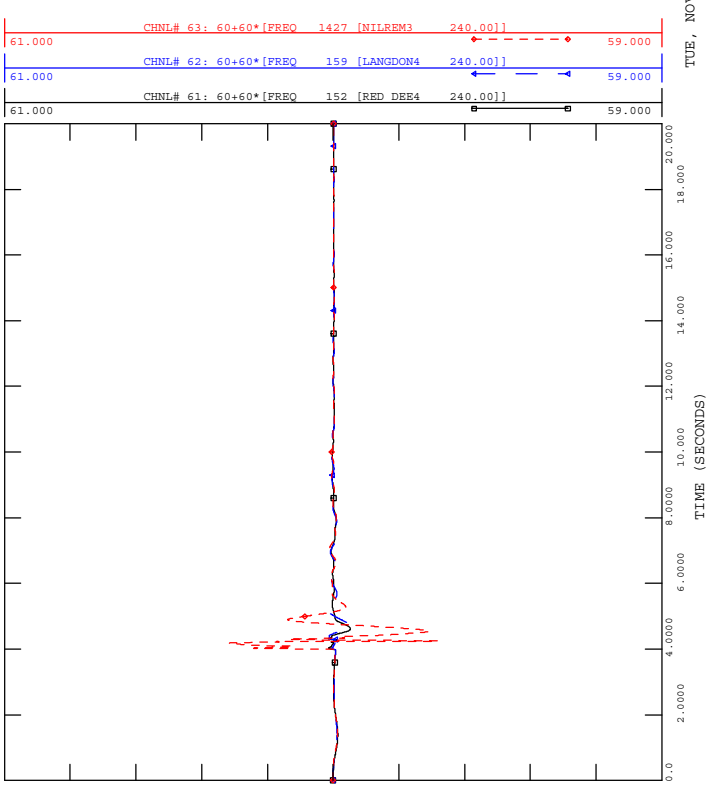


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S905_755S-Cordel.out

TUE, NOV 29 2016 9:10

FREQUENCY

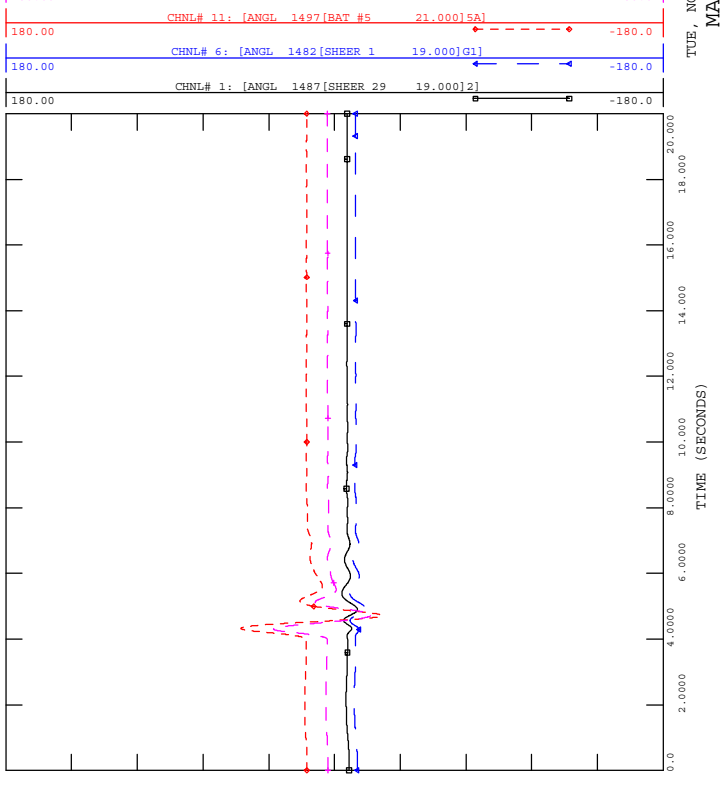


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S905_755S-Cordel.out

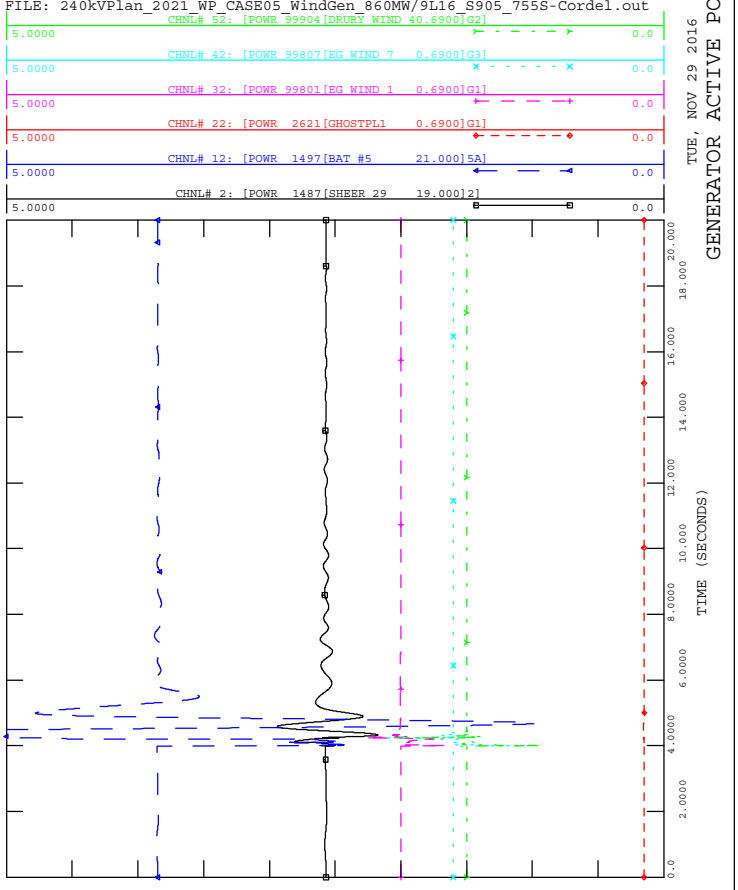
TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

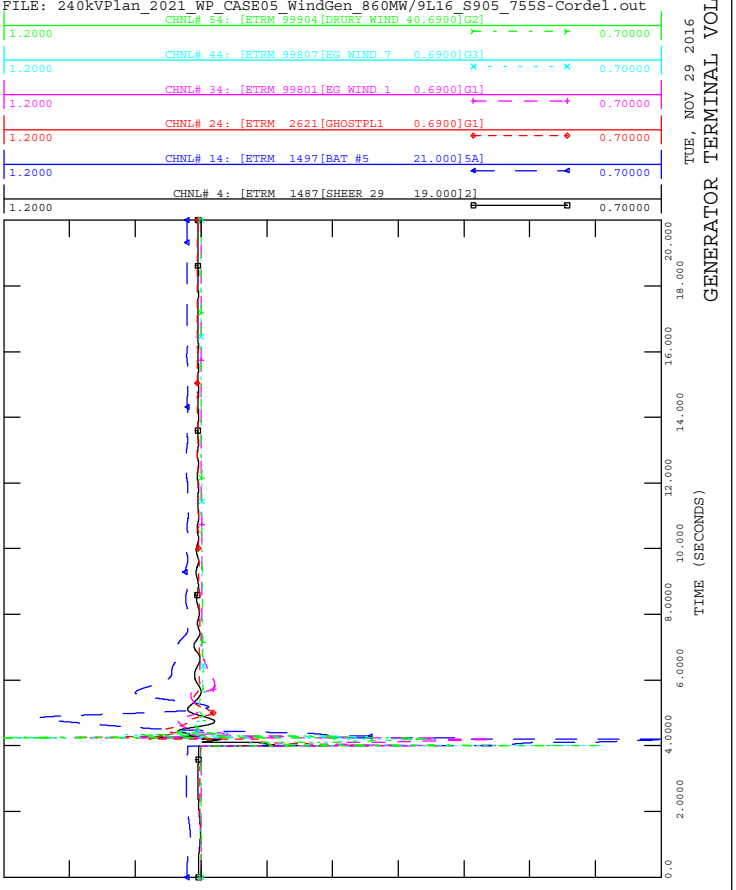
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S905_755S-Cordel.out



TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

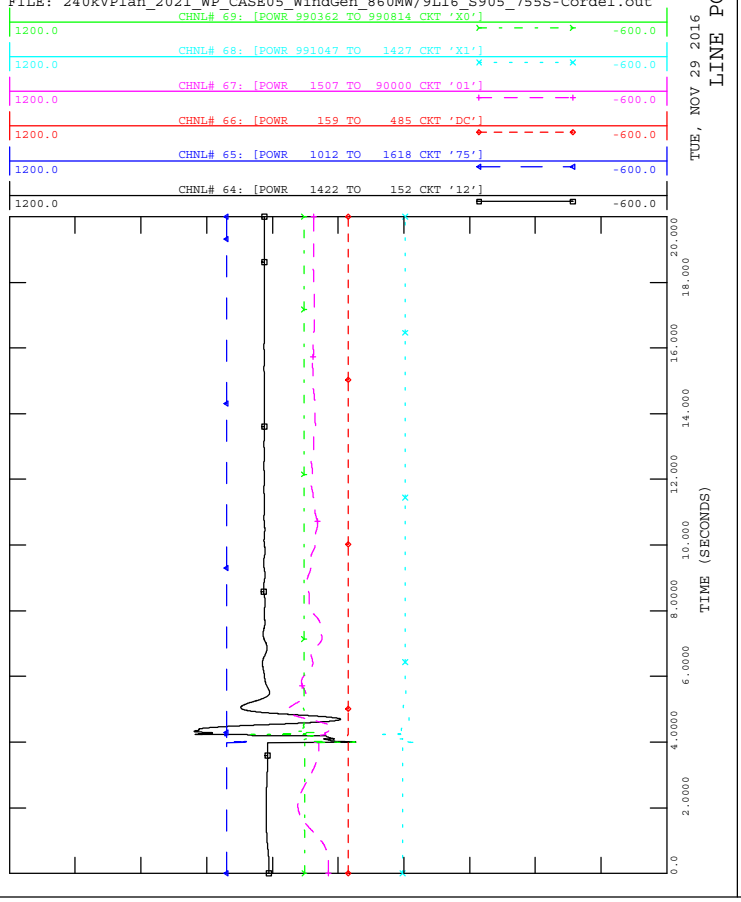
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S905_755S-Cordel.out



TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

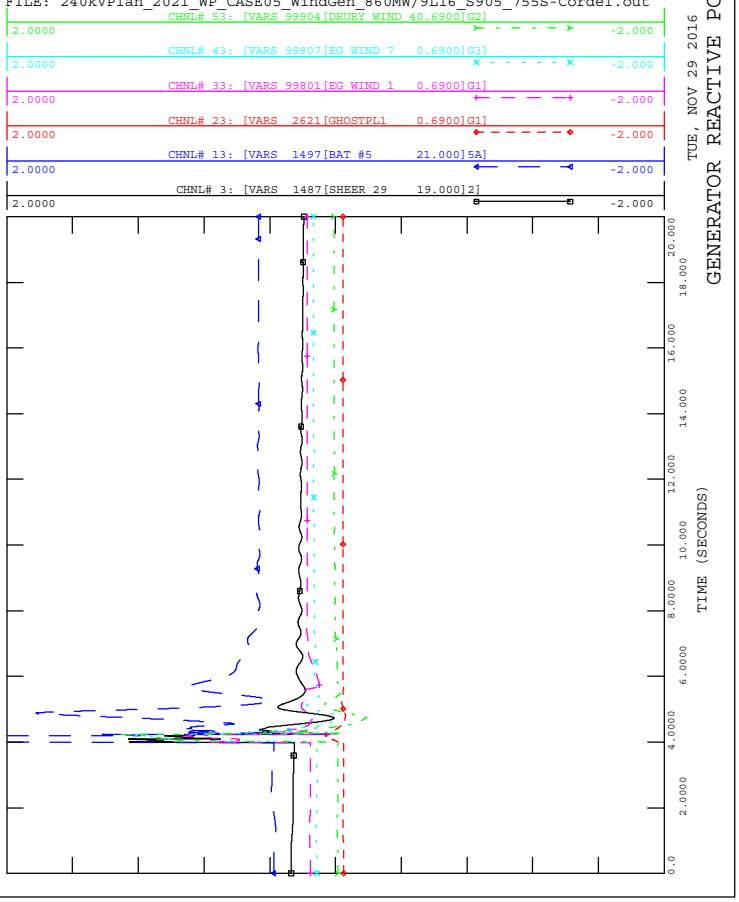
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S905_755S-Cordel.out



TUE, NOV 29 2016 9:10
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L16_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L16_S905_755S-Cordel.out



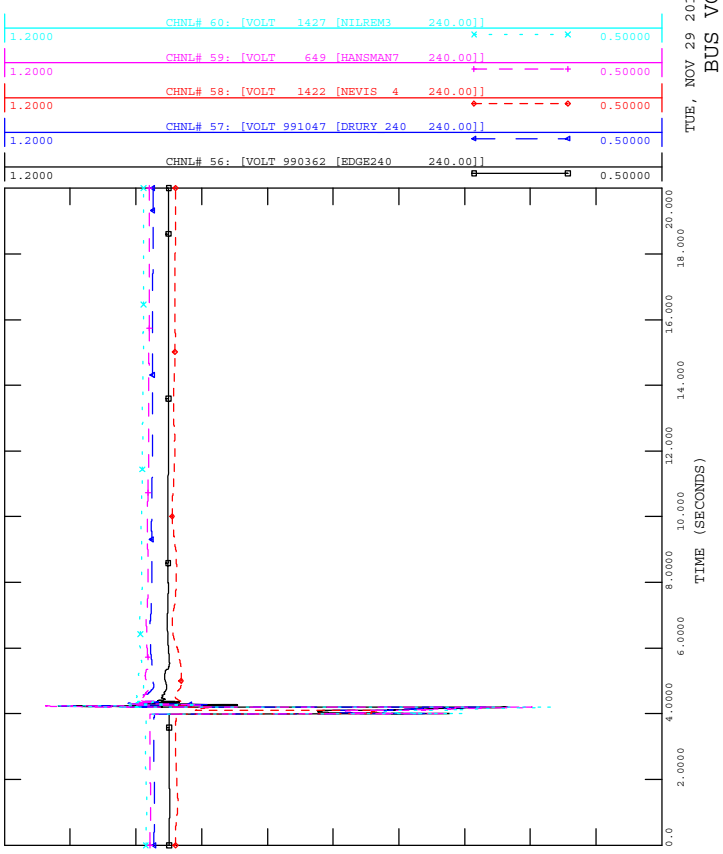
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

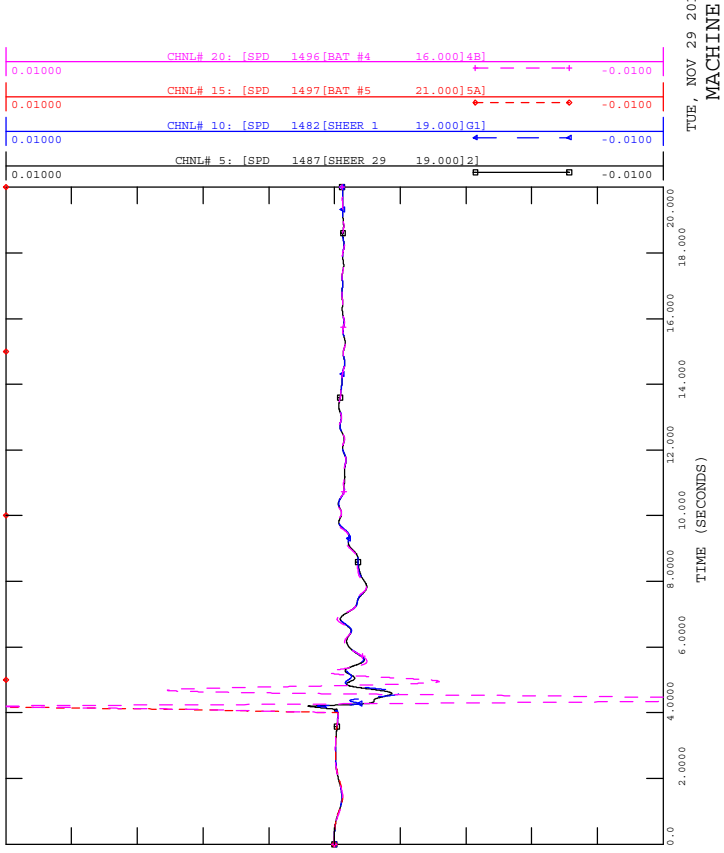


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

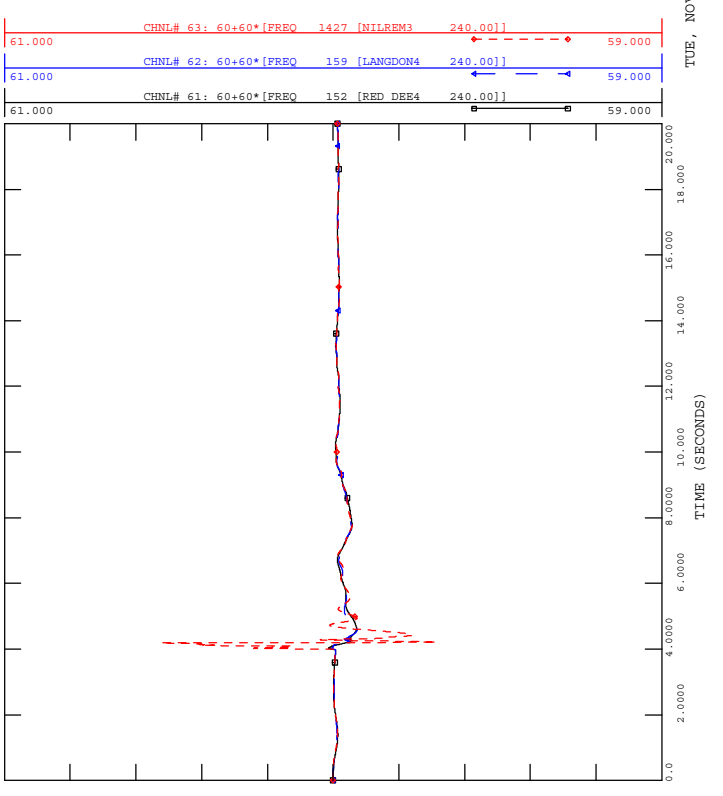


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

FREQUENCY

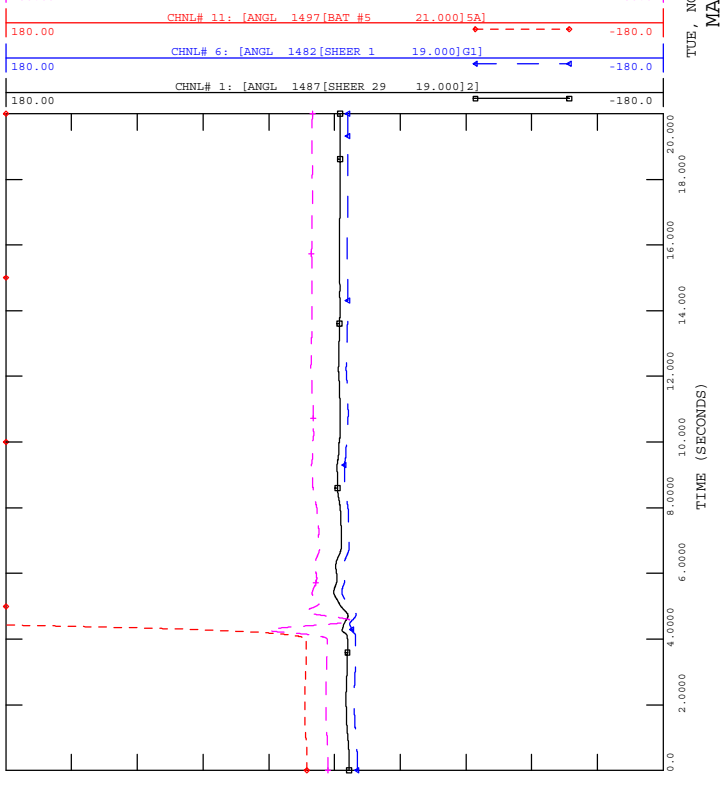


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL

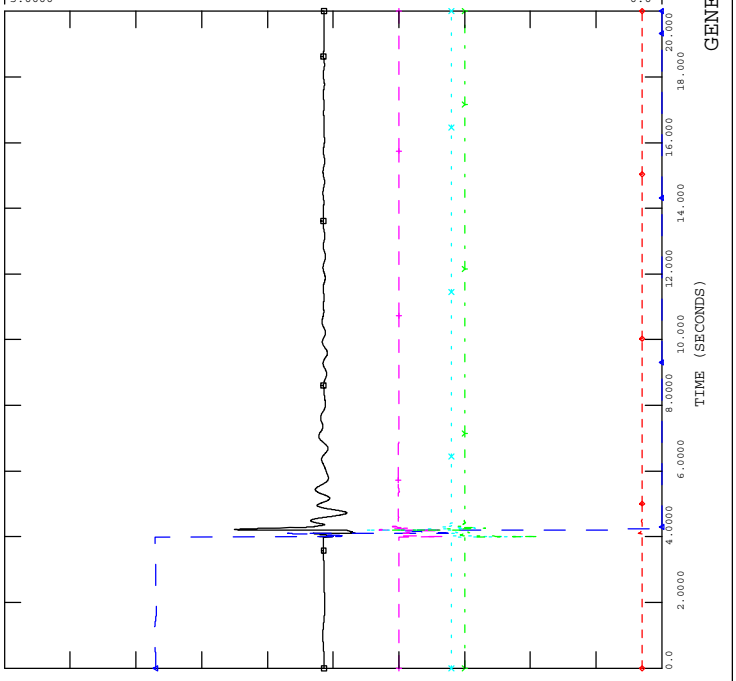
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL

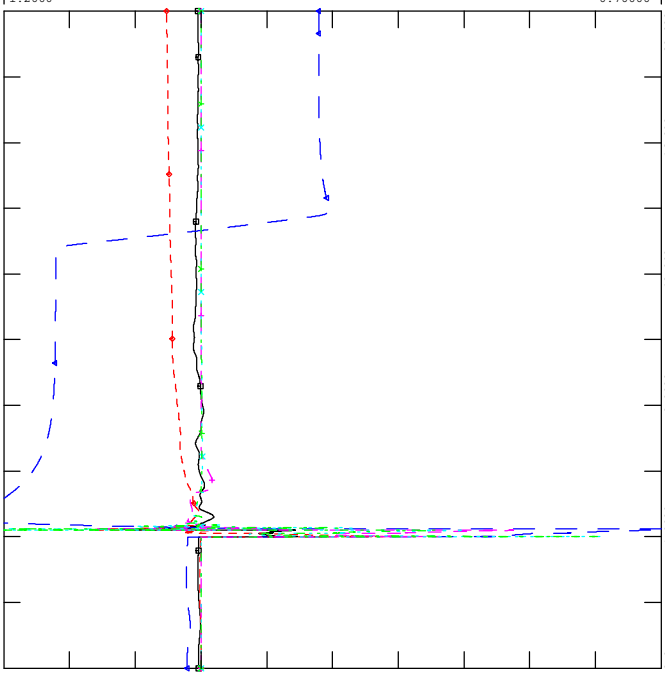
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL

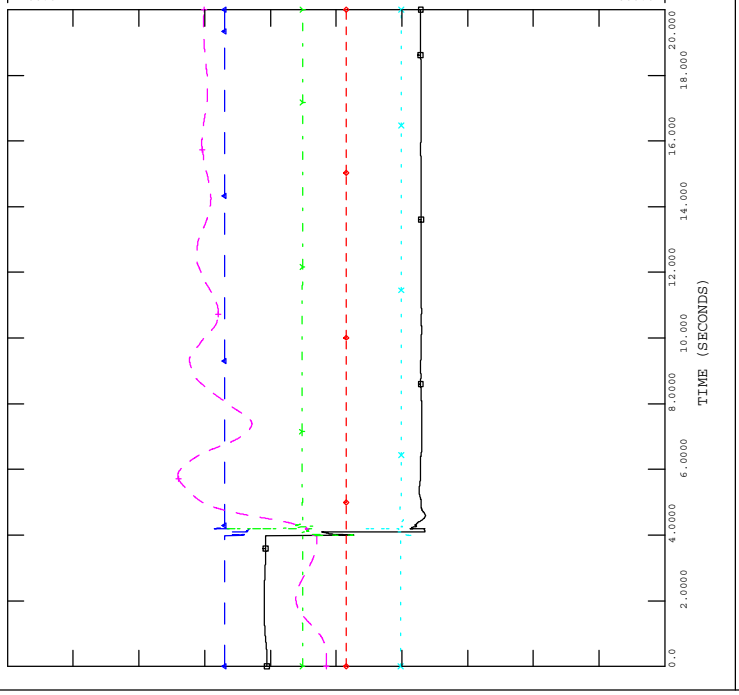
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_755S-CORDEL

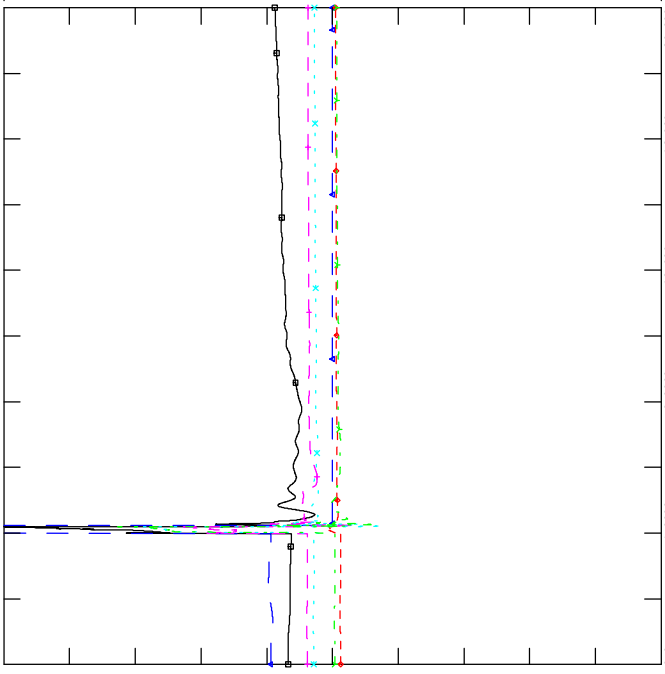
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

TIME (SECONDS)

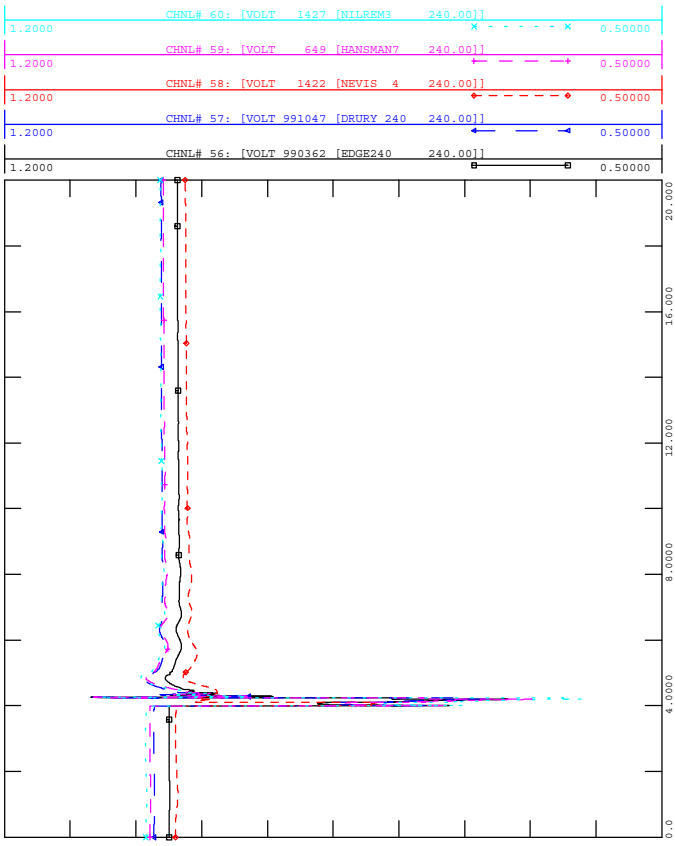


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S906_755S-Cordel.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

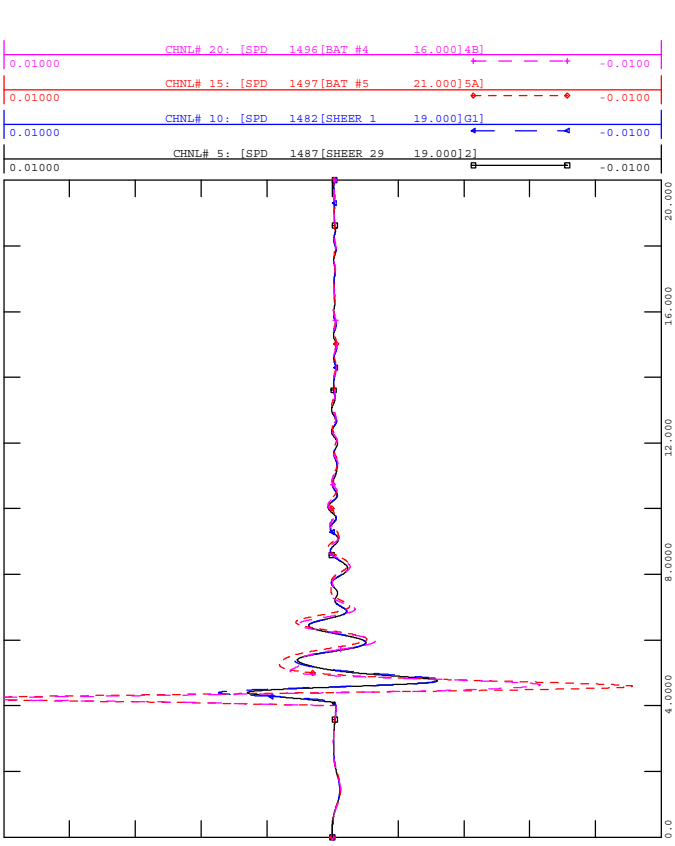


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S906_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

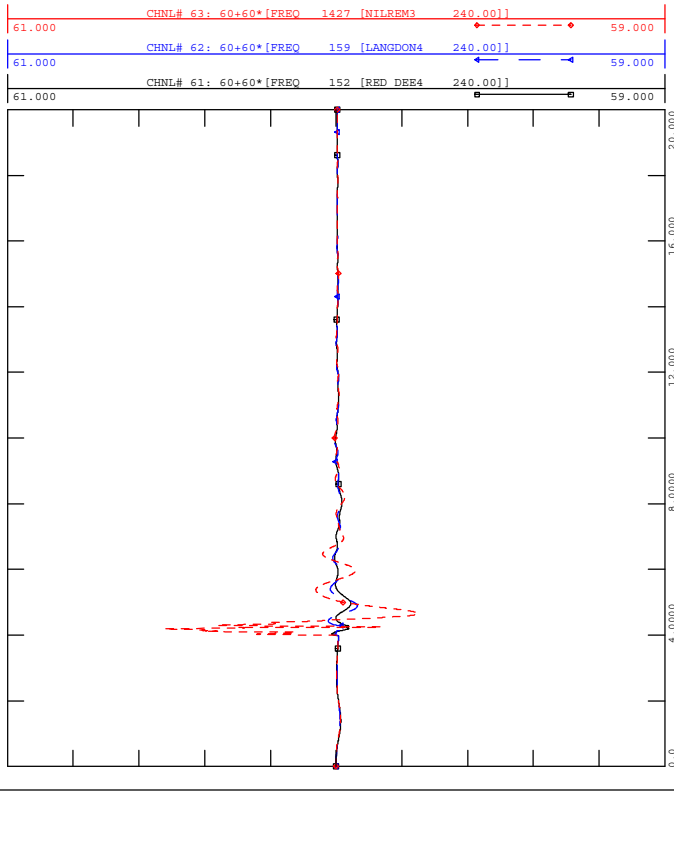


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S906_755S-Cordel.out

TUE, NOV 29 2016 9:10

FREQUENCY

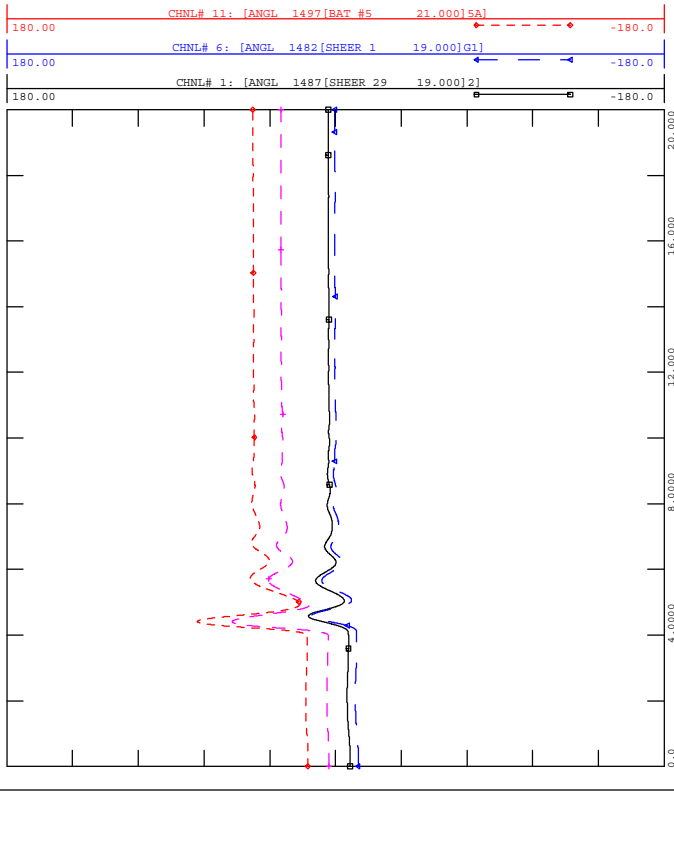


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S906_755S-Cordel.out

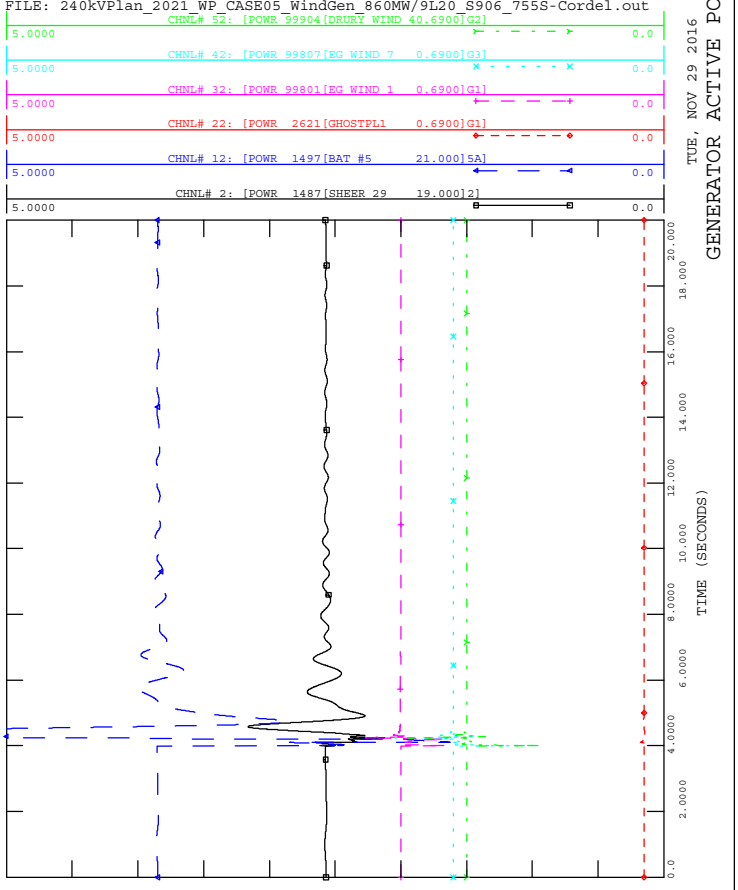
TUE, NOV 29 2016 9:10

MACHINE ANGEL



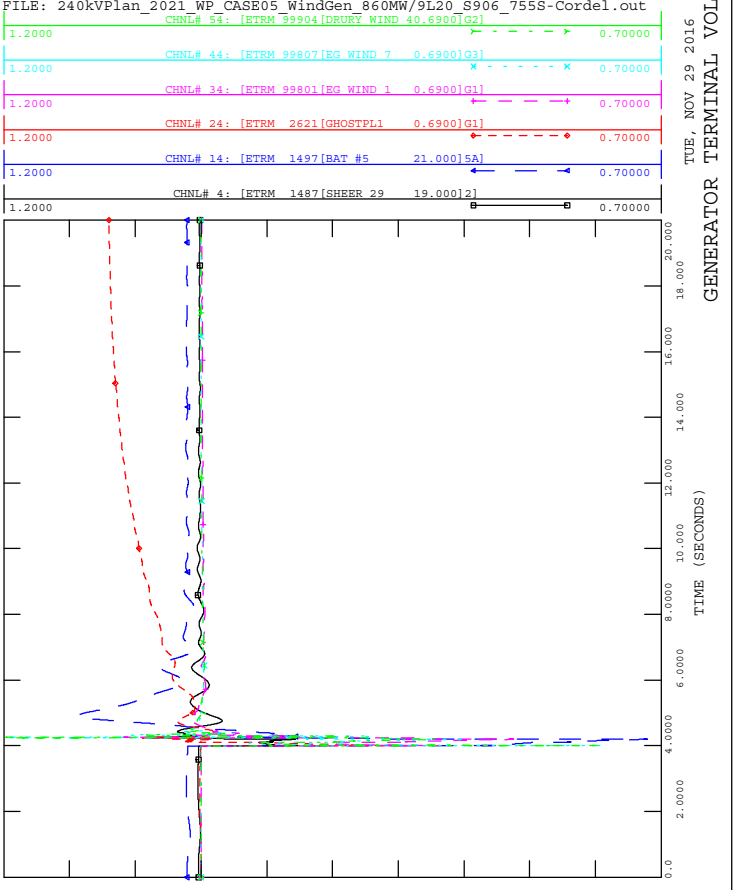
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S906_755S-Cordel.out



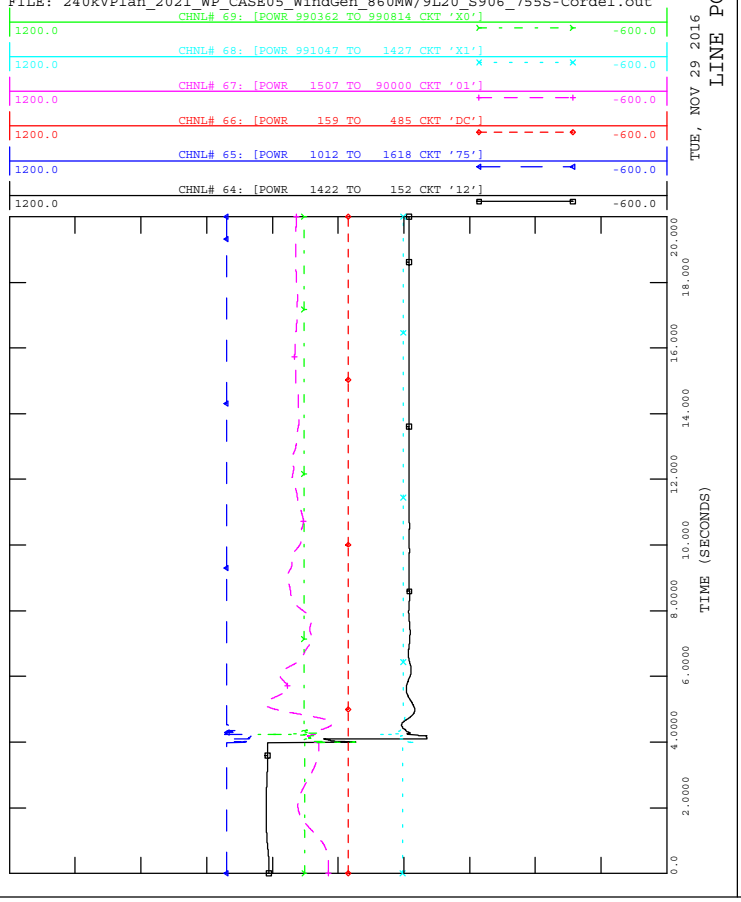
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S906_755S-Cordel.out



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S906_755S-Cordel.out



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S906_755S-CORDEL

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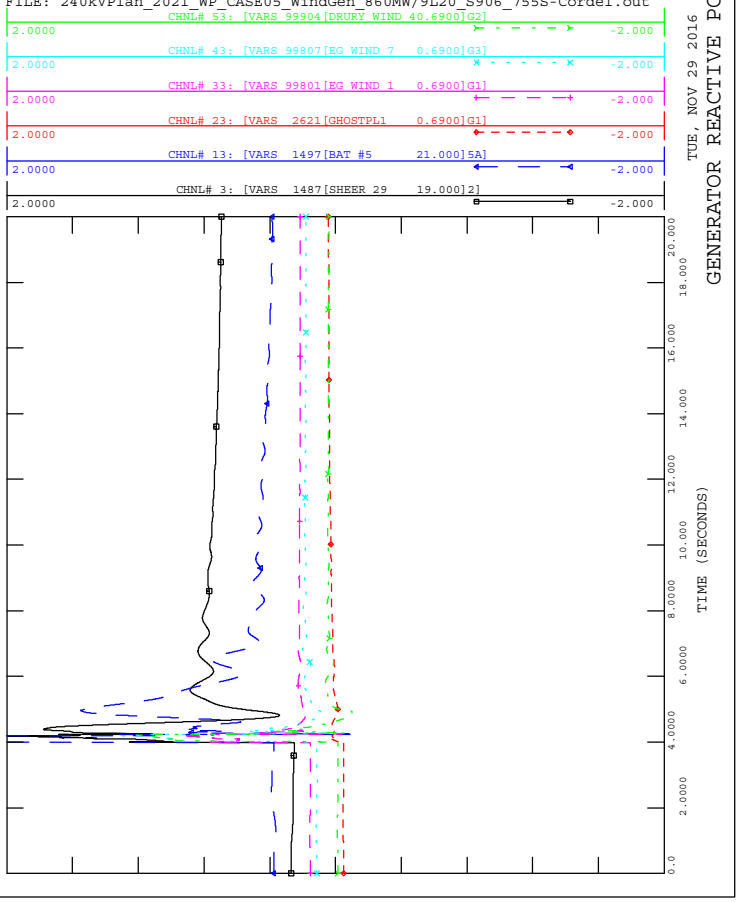
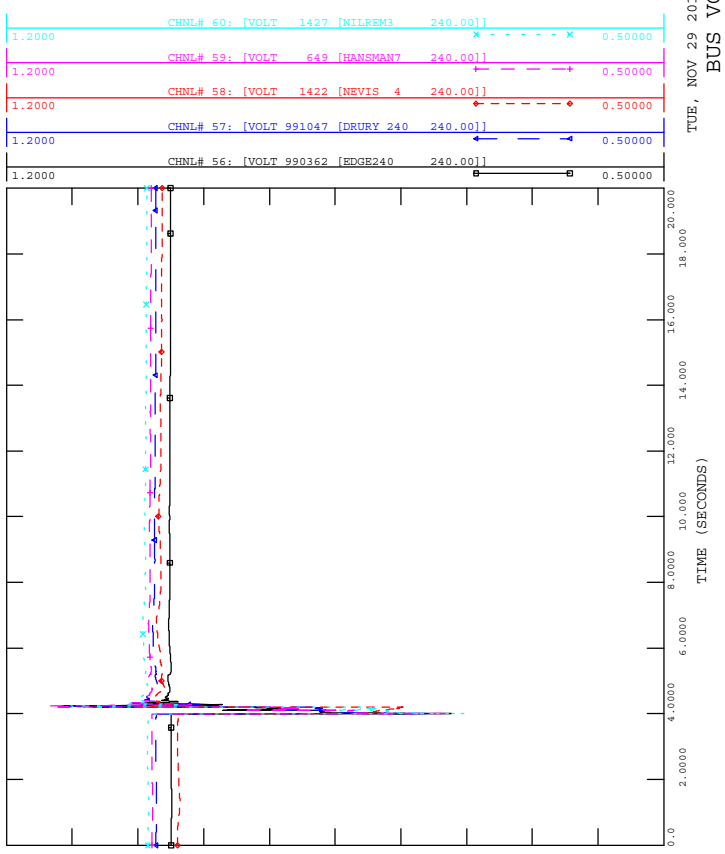


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S902_755S-Cordel.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

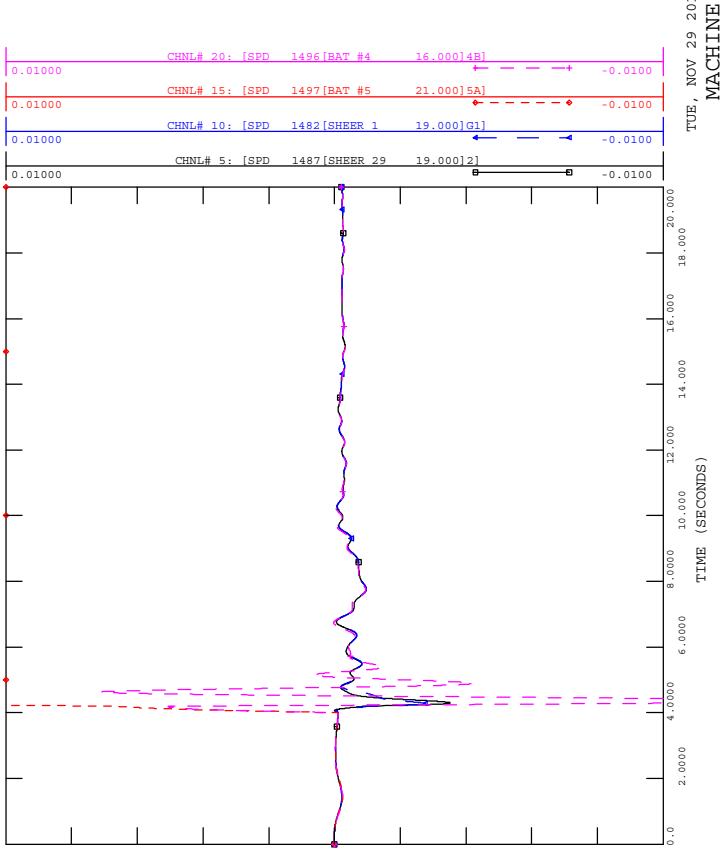


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S902_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

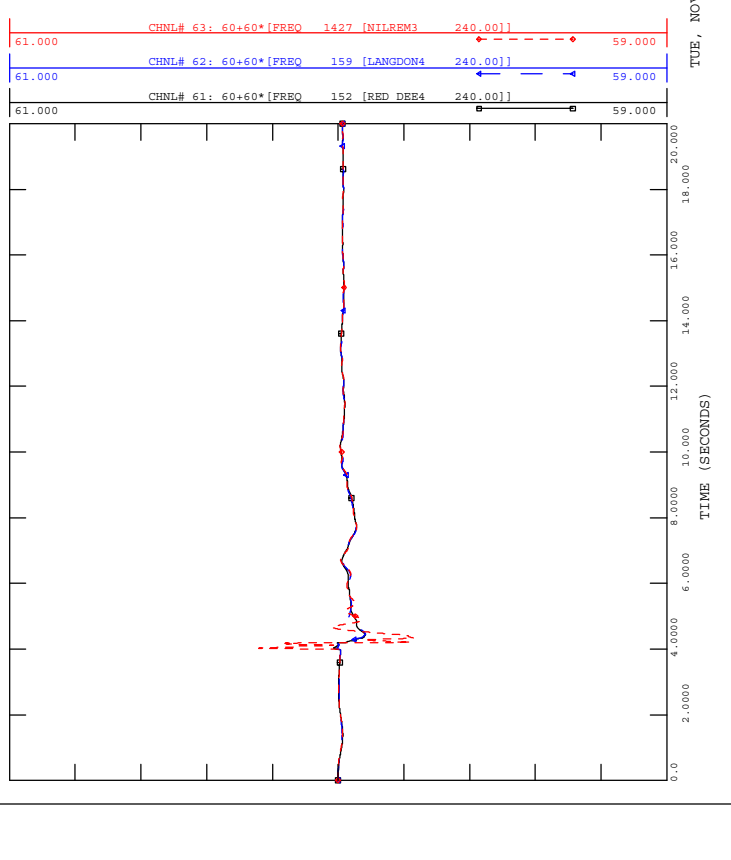


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S902_755S-Cordel.out

TUE, NOV 29 2016 9:10

FREQUENCY

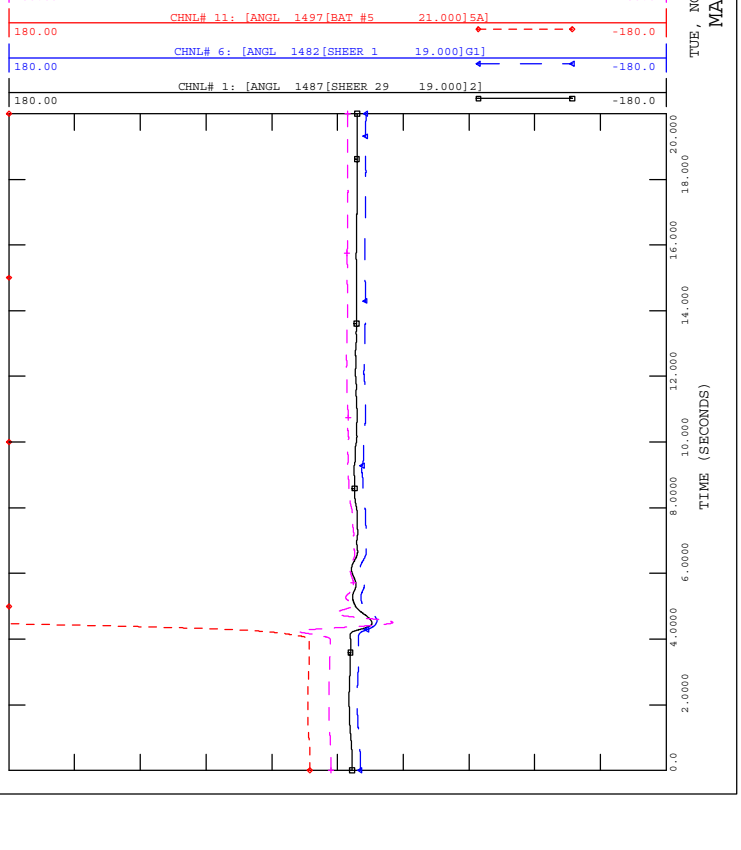


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S902_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL

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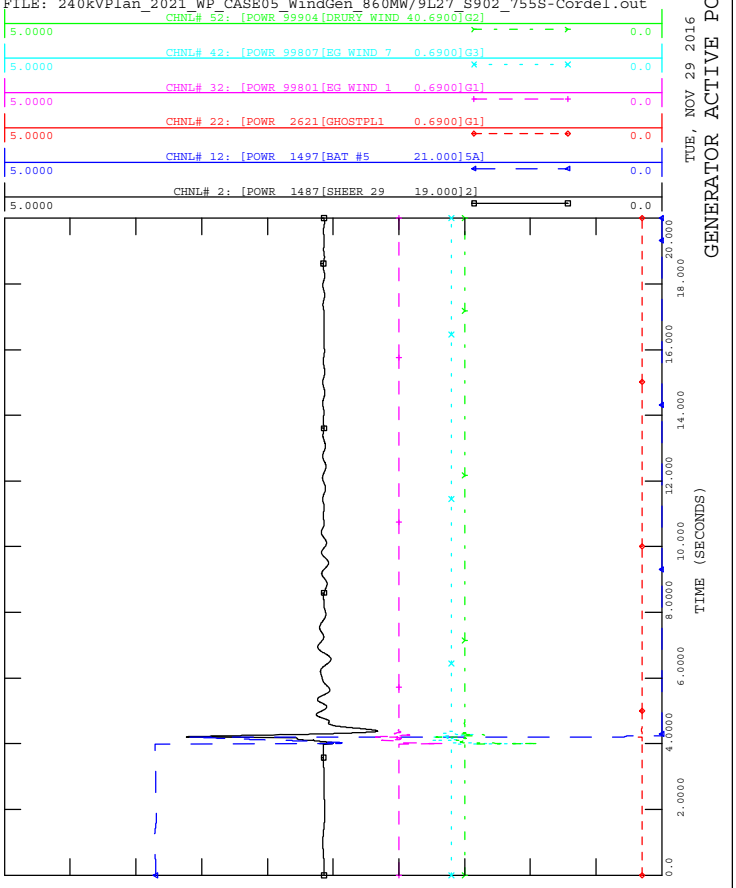
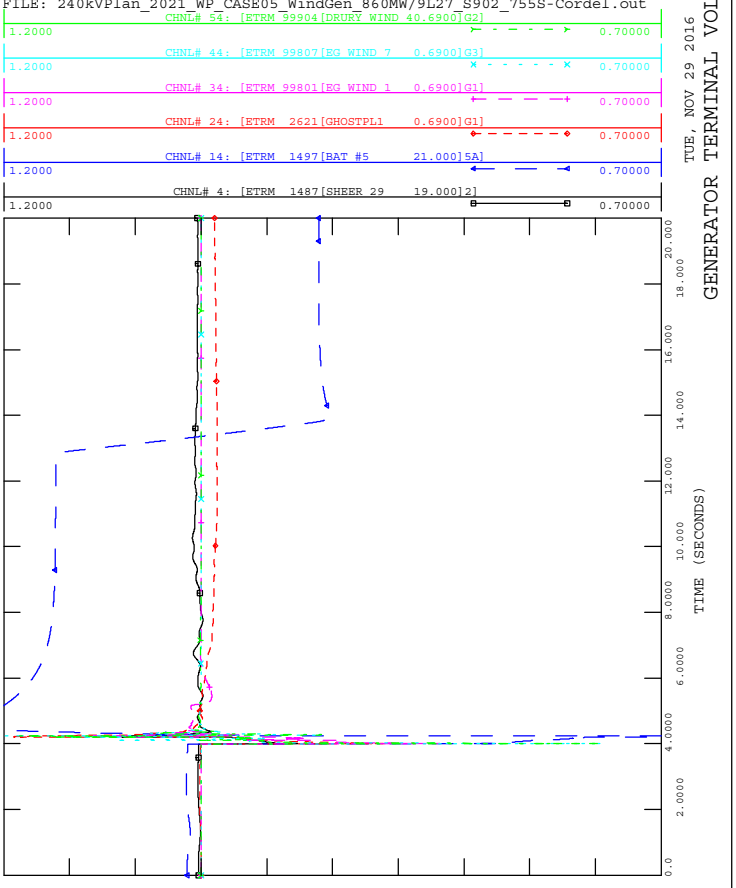


TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S902_755S-Cordel.out

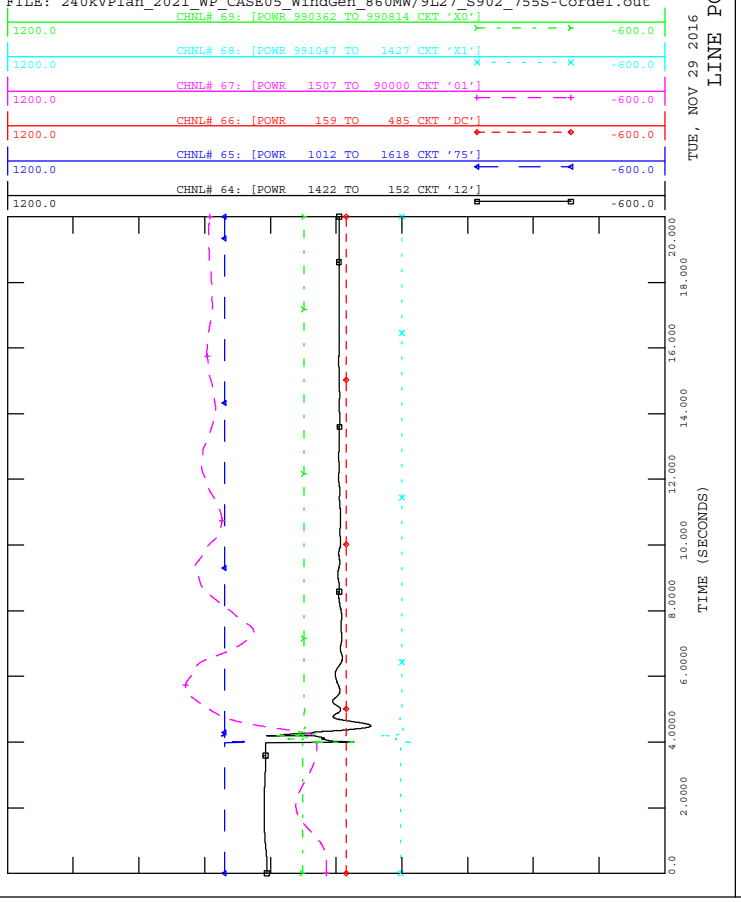


TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S902_755S-Cordel.out

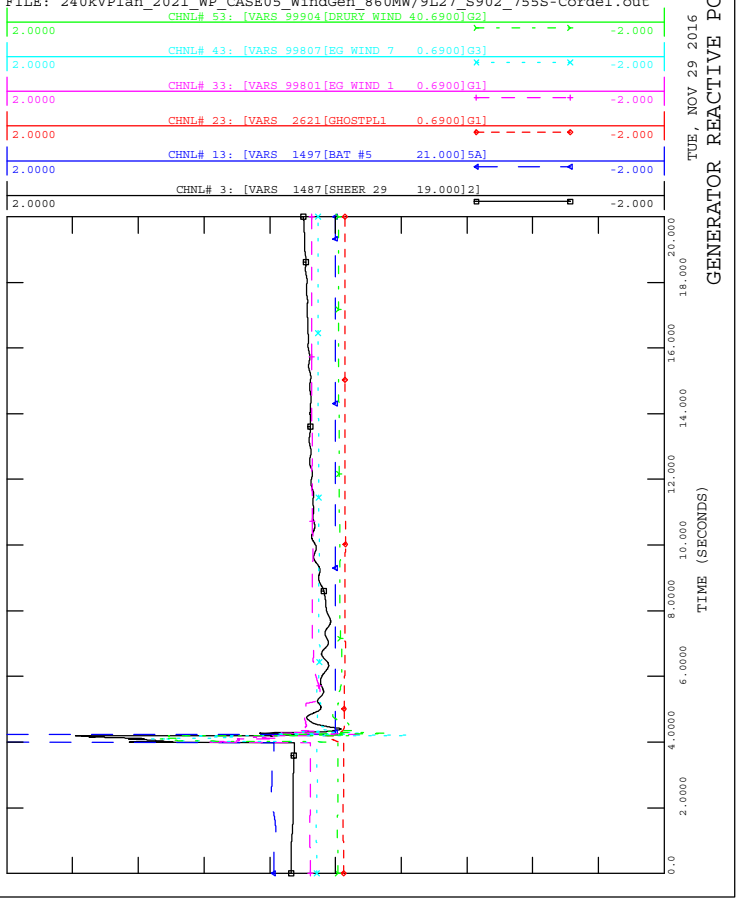


TUE, NOV 29 2016 9:10

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S902_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S902_755S-Cordel.out



TUE, NOV 29 2016 9:10

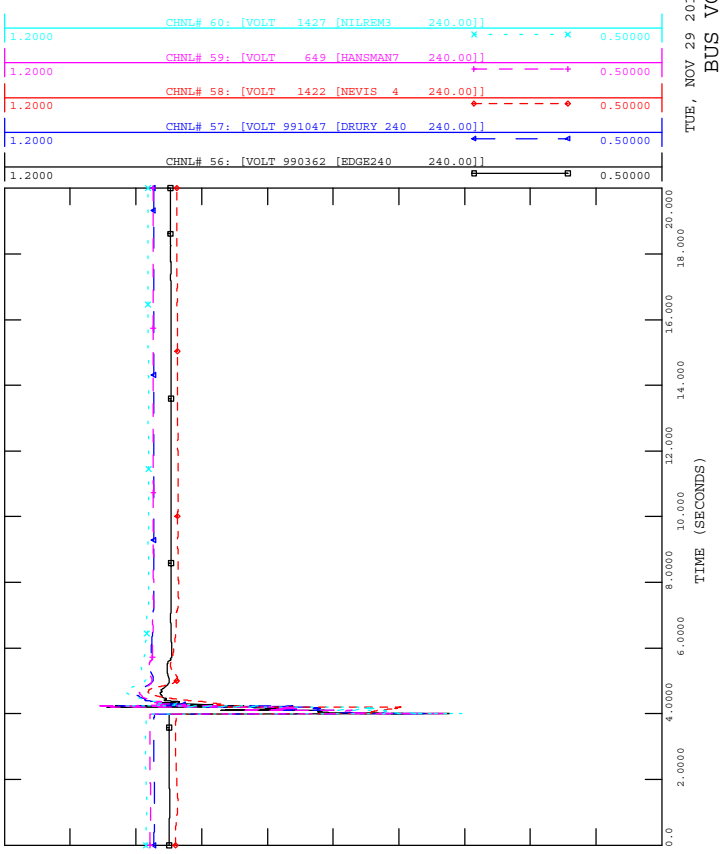
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S903_755S-Cordel.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

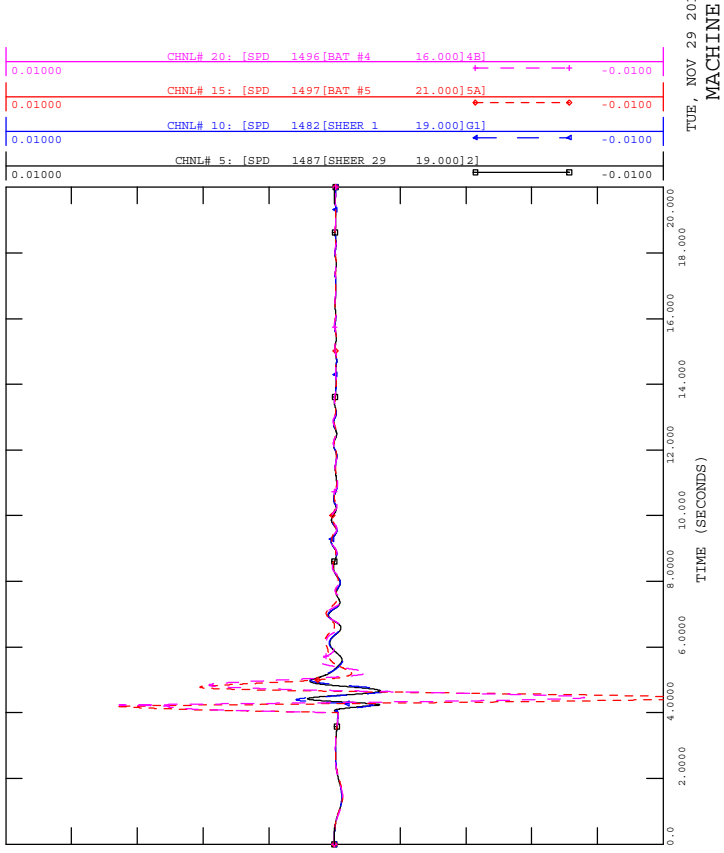


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S903_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

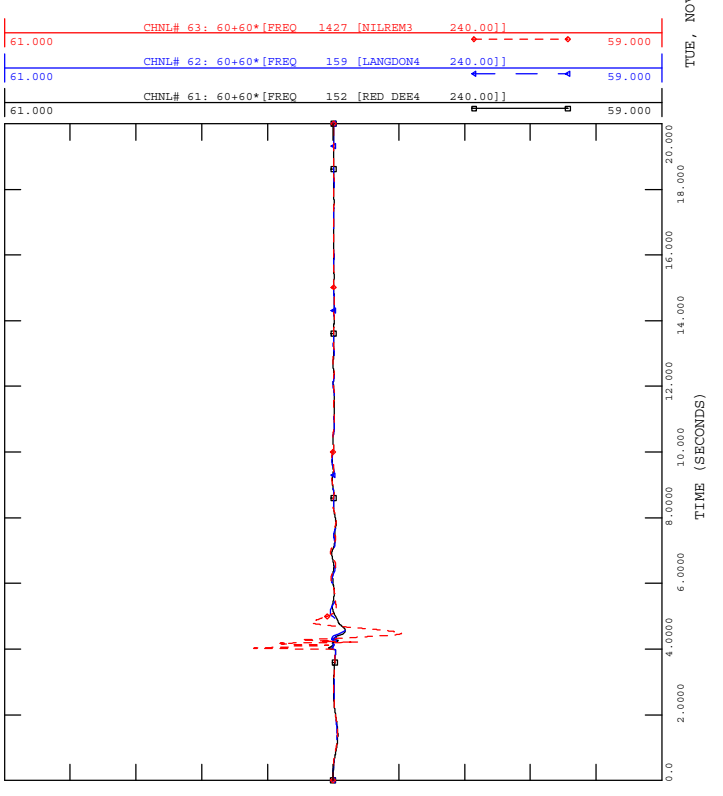


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S903_755S-Cordel.out

TUE, NOV 29 2016 9:10

FREQUENCY

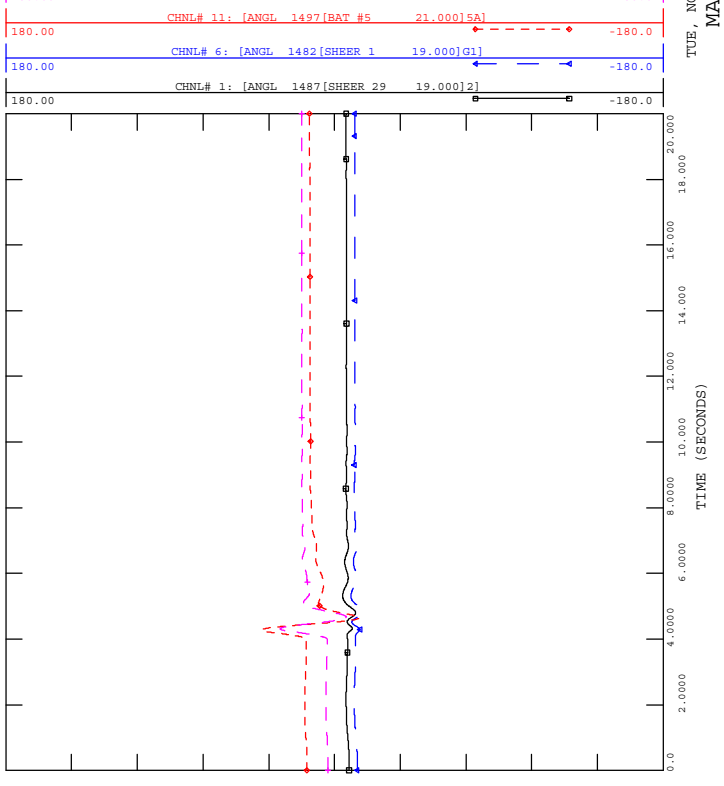


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S903_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S903_755S-Cordel.out

TUE, NOV 29 2016 9:10

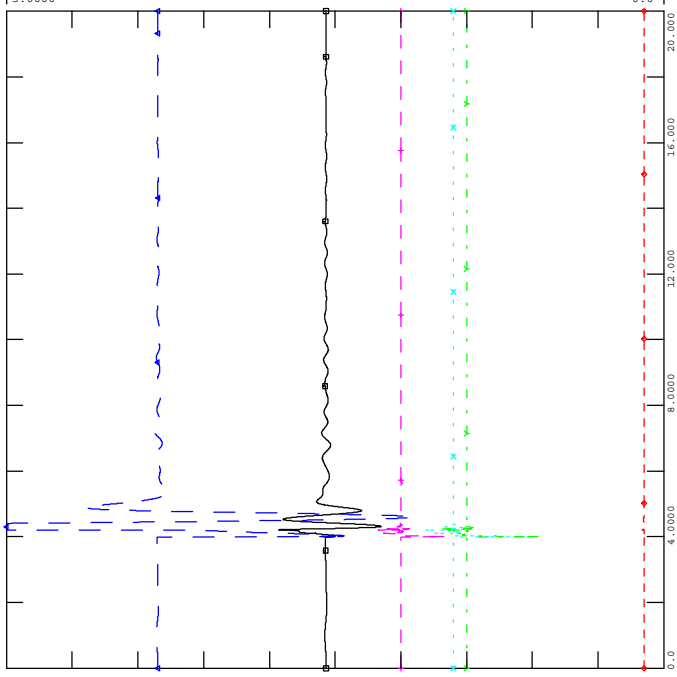
GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S903_755S-Cordel.out

TUE, NOV 29 2016 9:10

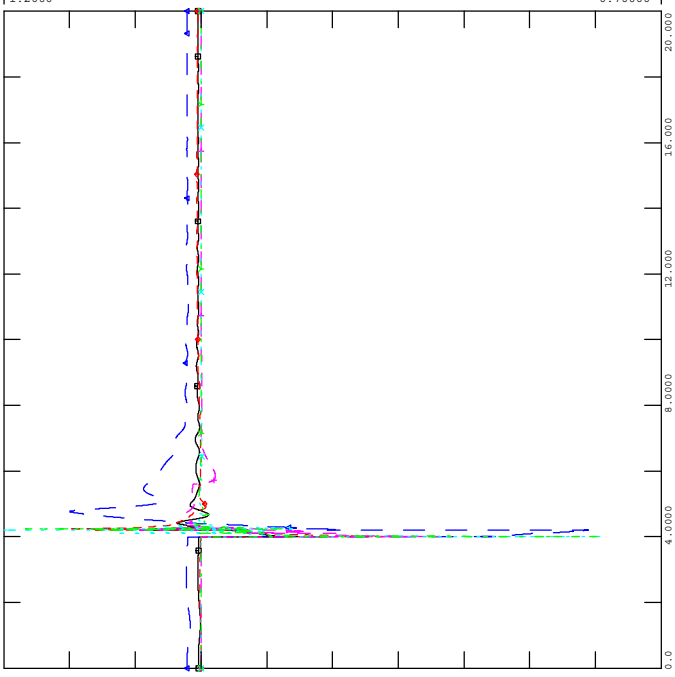
GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S903_755S-Cordel.out

TUE, NOV 29 2016 9:10

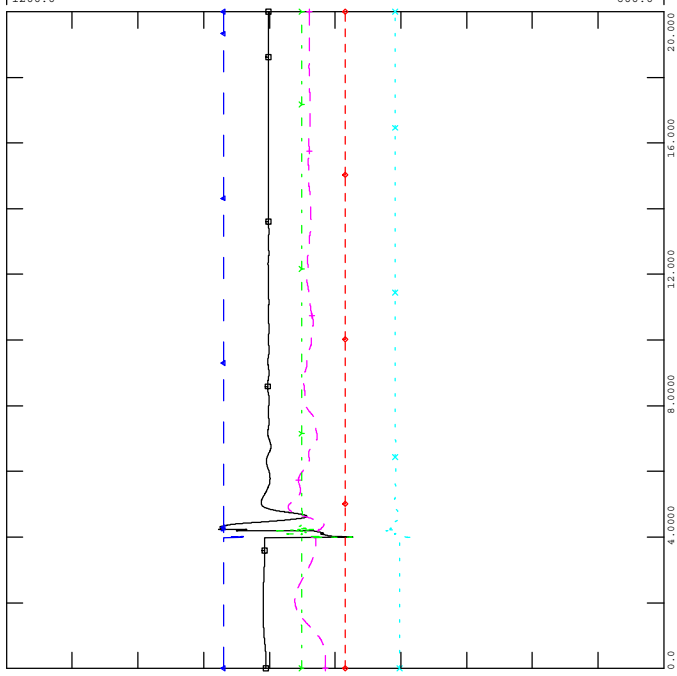
LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L27_S903_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L27_S903_755S-Cordel.out

TUE, NOV 29 2016 9:10

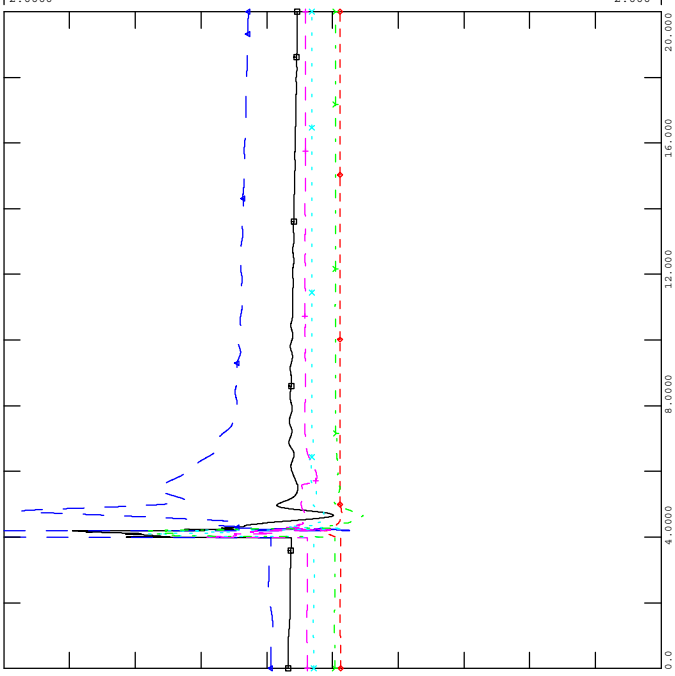
GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

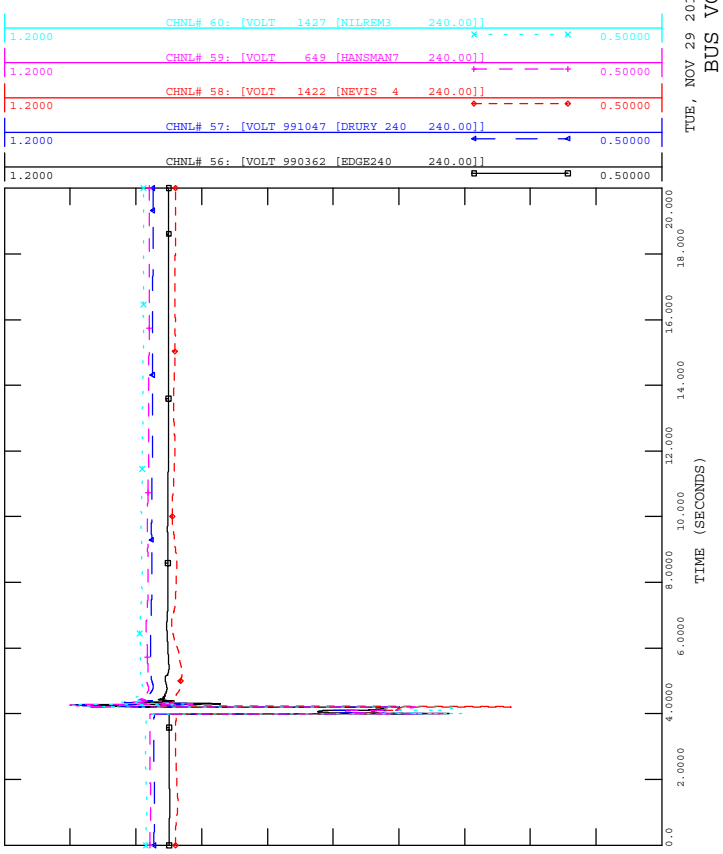


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

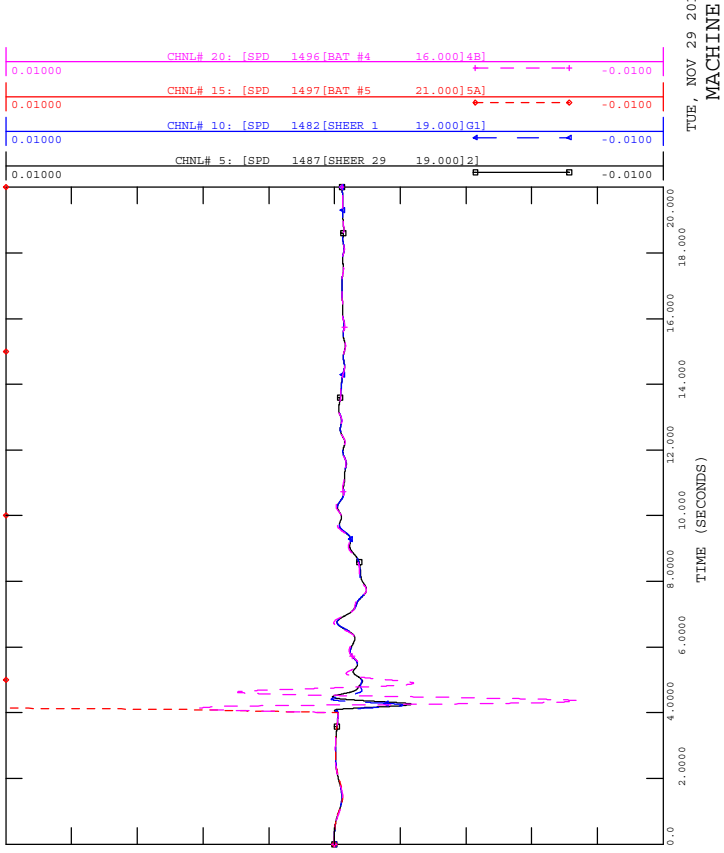


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

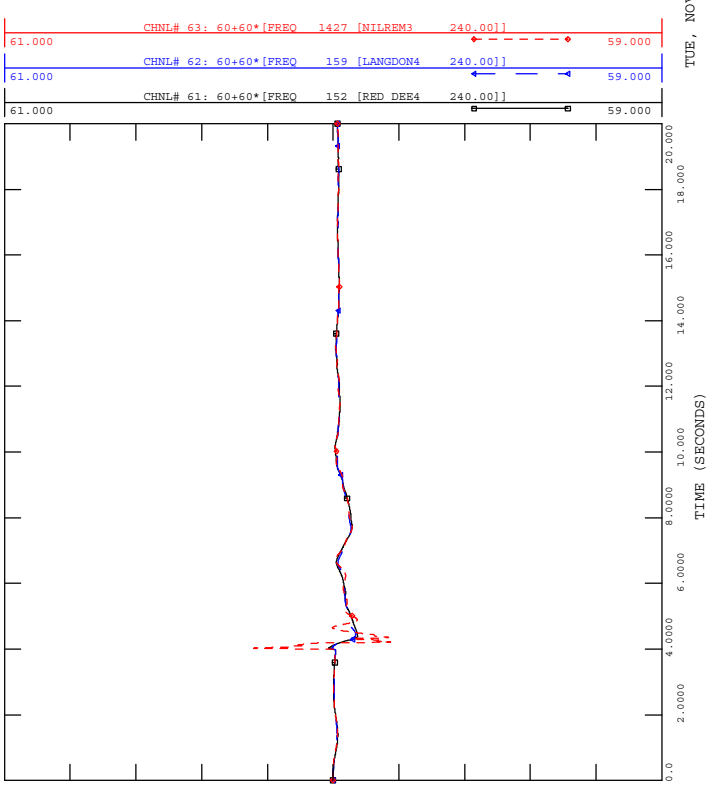


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

FREQUENCY

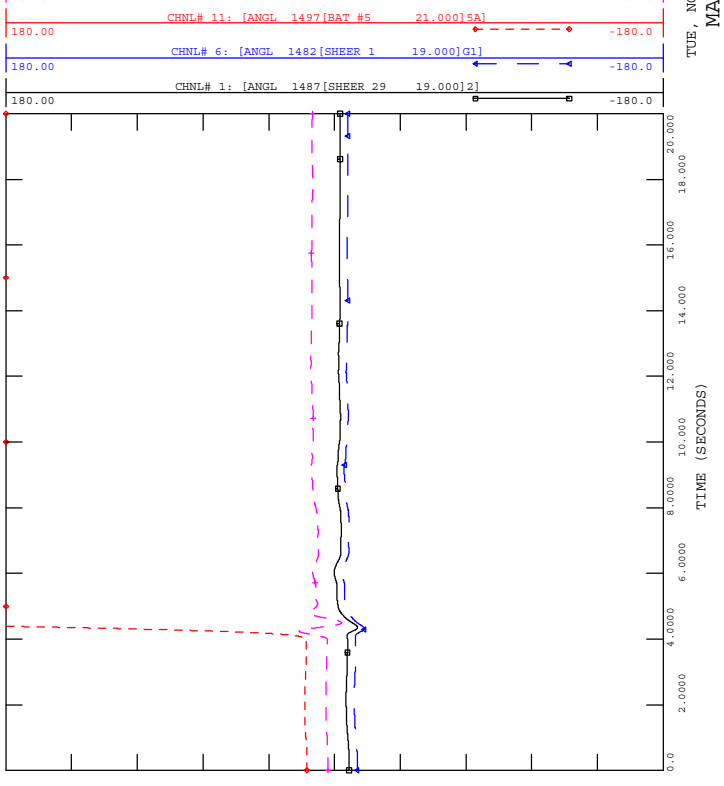


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

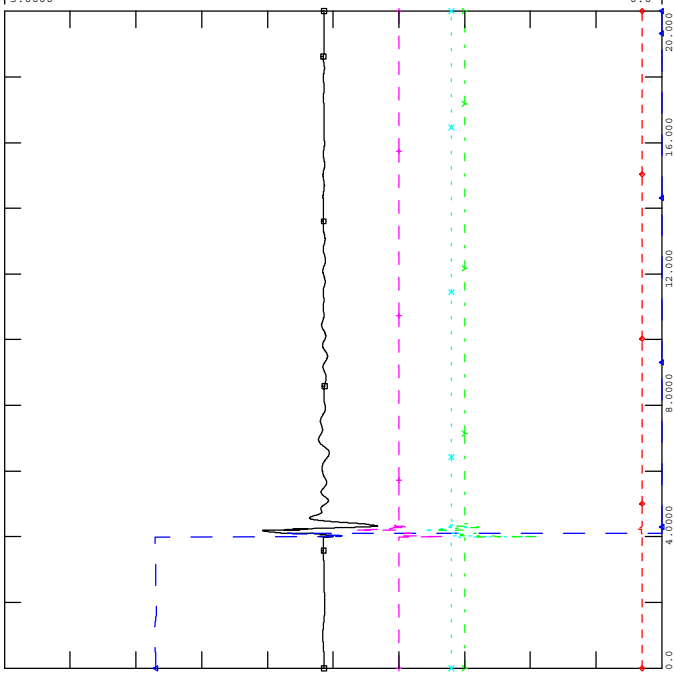
GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

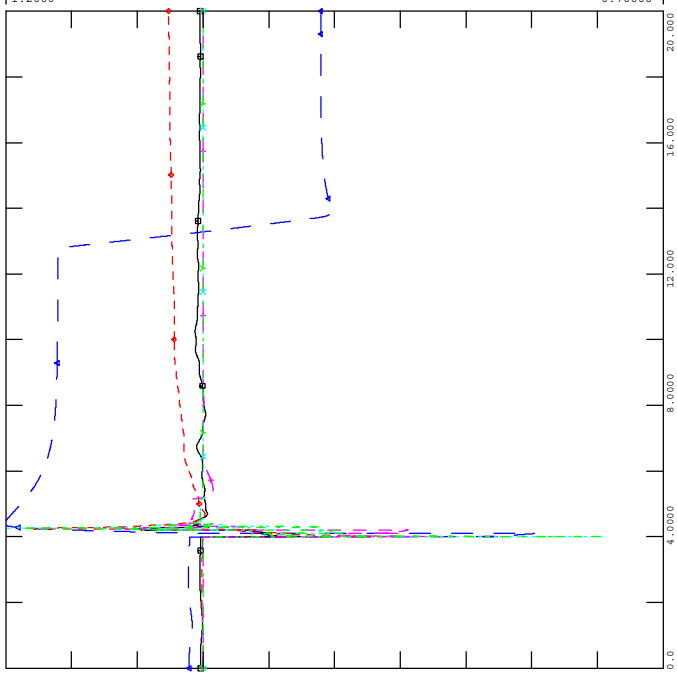
GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

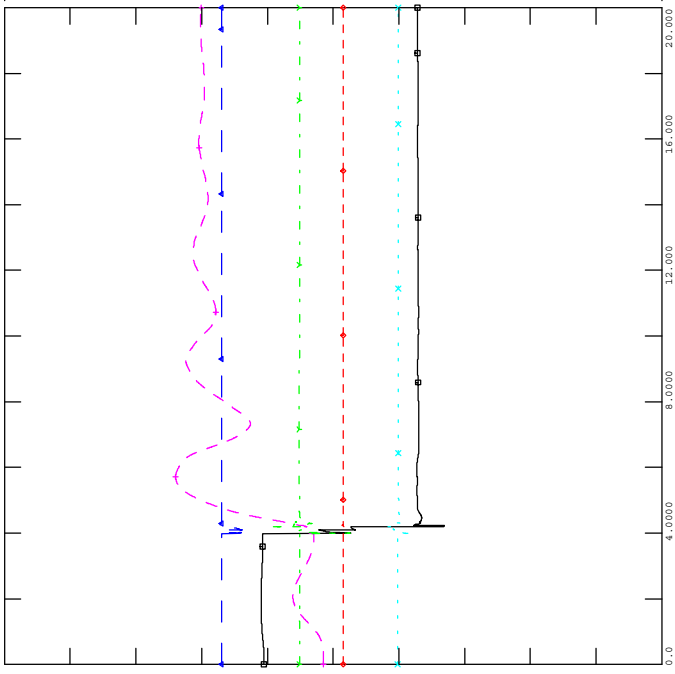
LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S901_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S901_755S-Cordel.out

TUE, NOV 29 2016 9:10

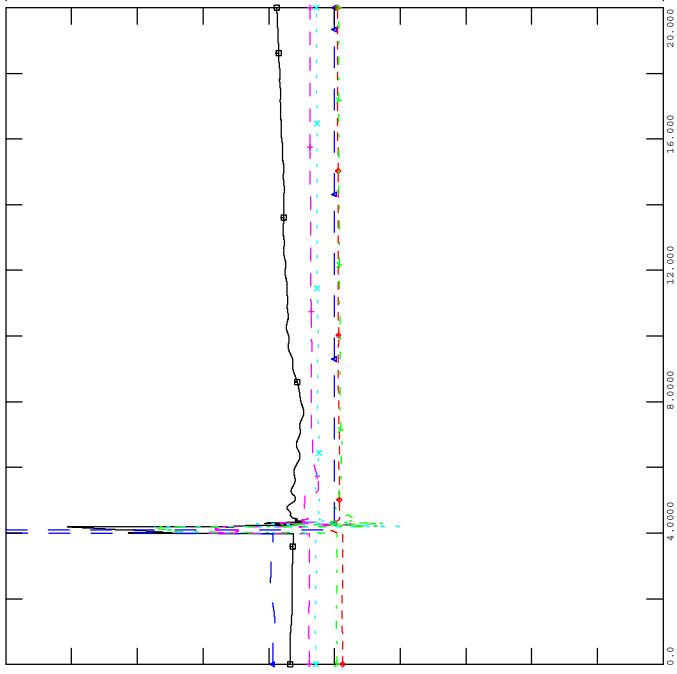
GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

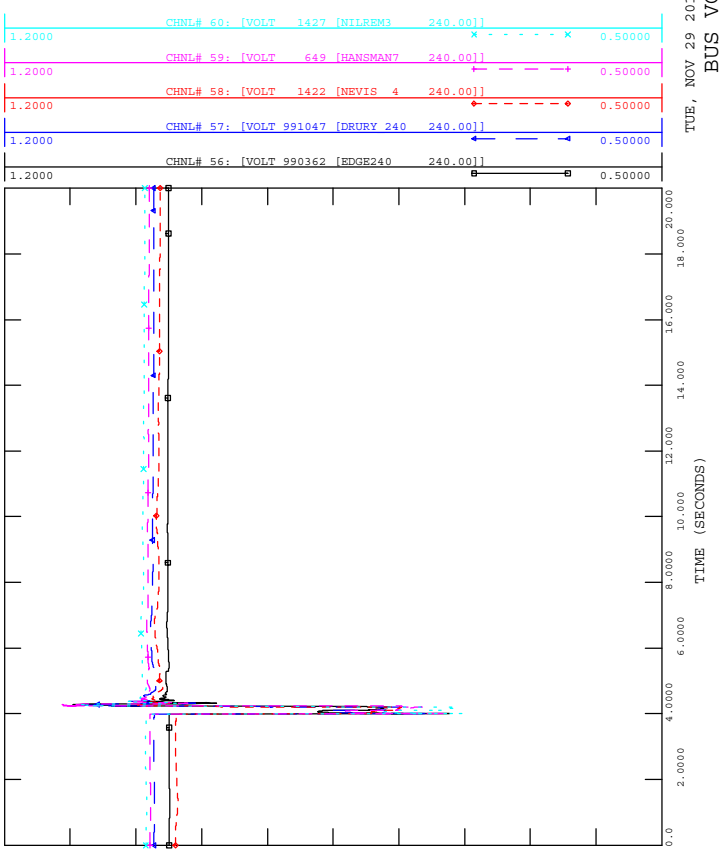


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

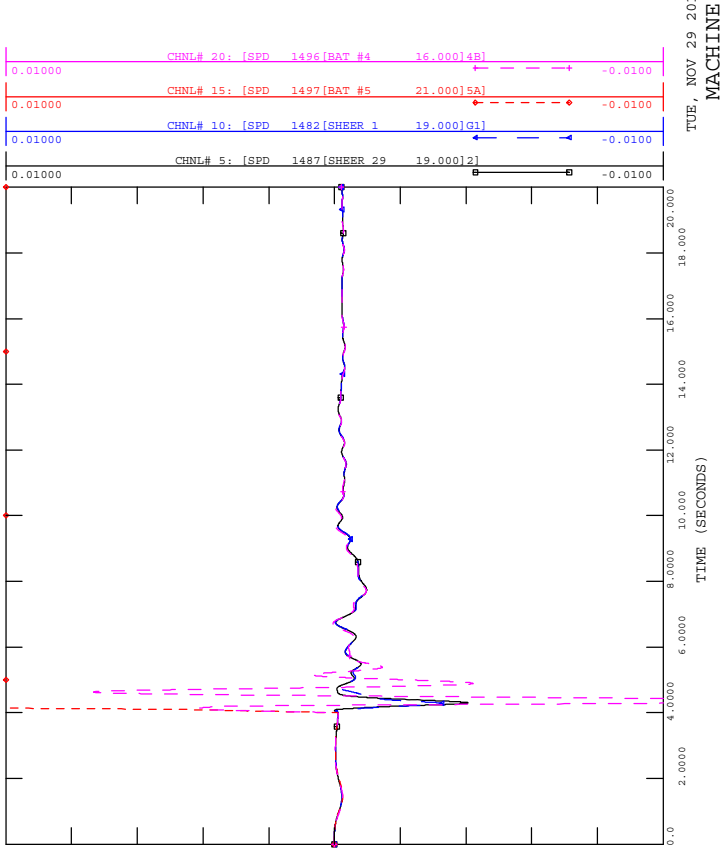


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

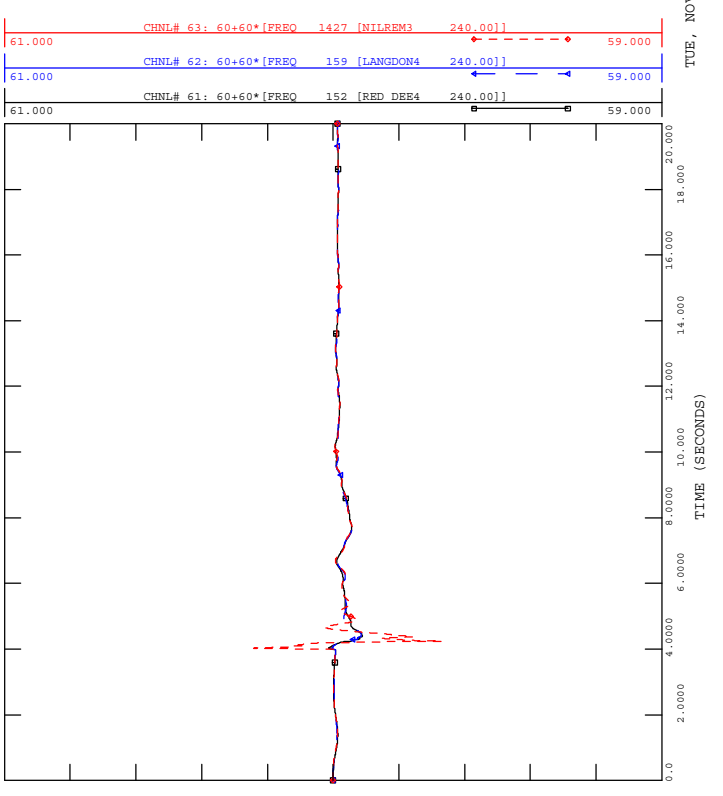


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:10

FREQUENCY

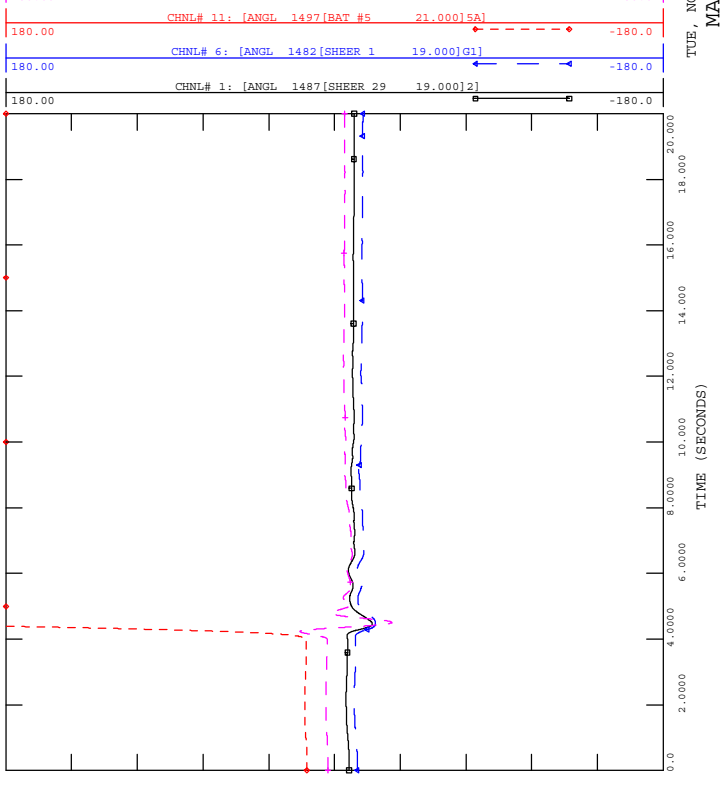


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

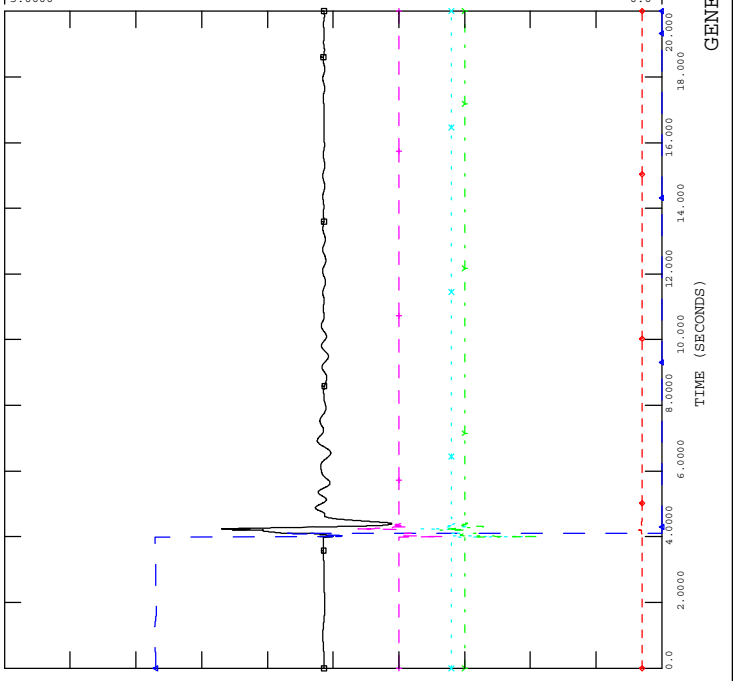
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

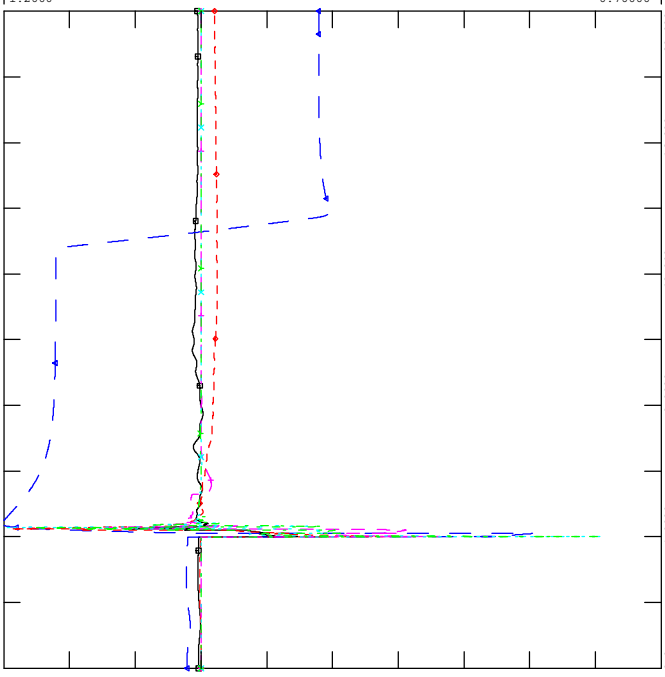
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

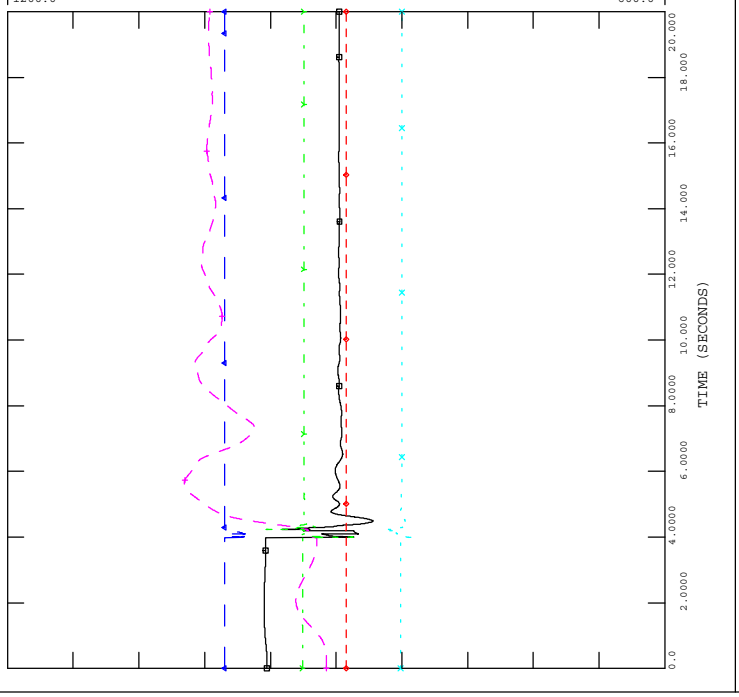
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:10

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L79_S902_755S-CORDEL

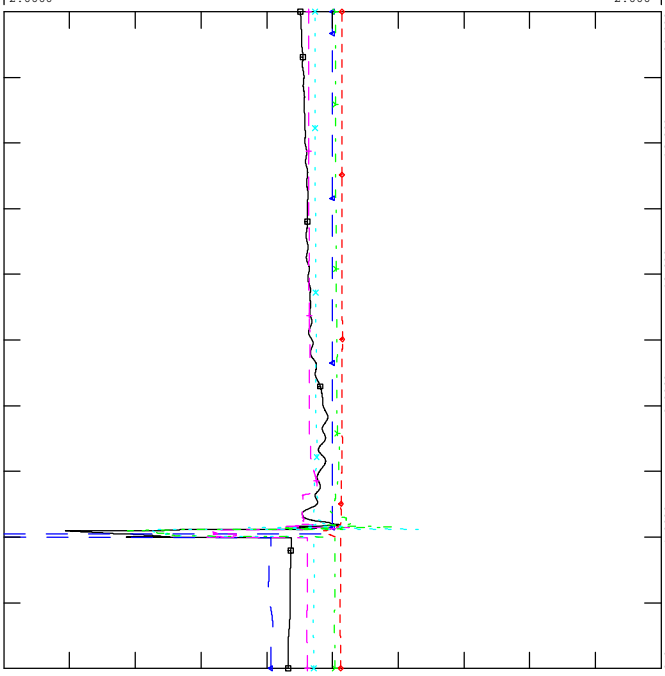
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L79_S902_755S-Cordel.out

TUE, NOV 29 2016 9:10

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

TIME (SECONDS)

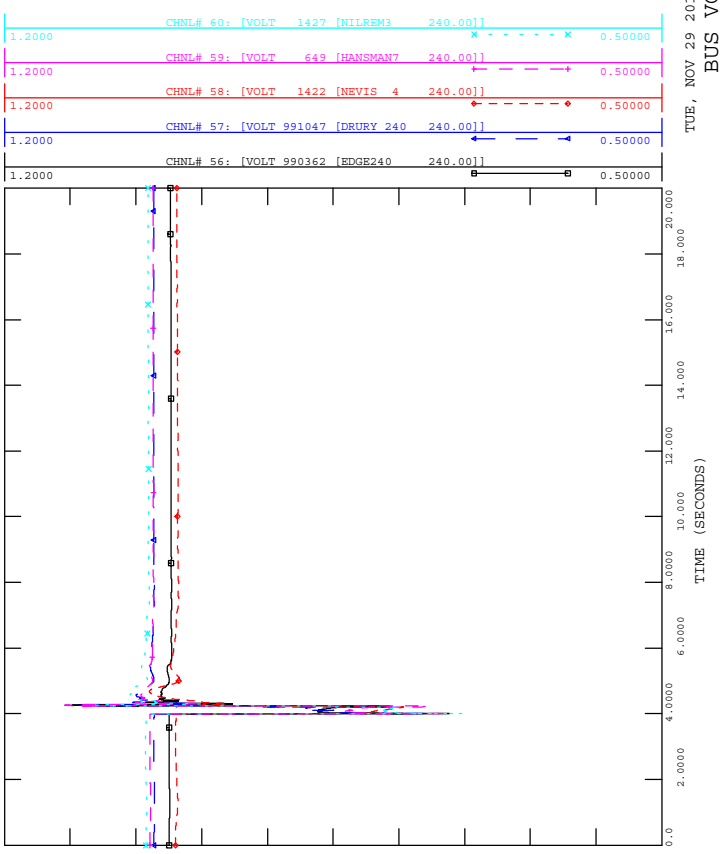


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S903_755S-Cordel.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

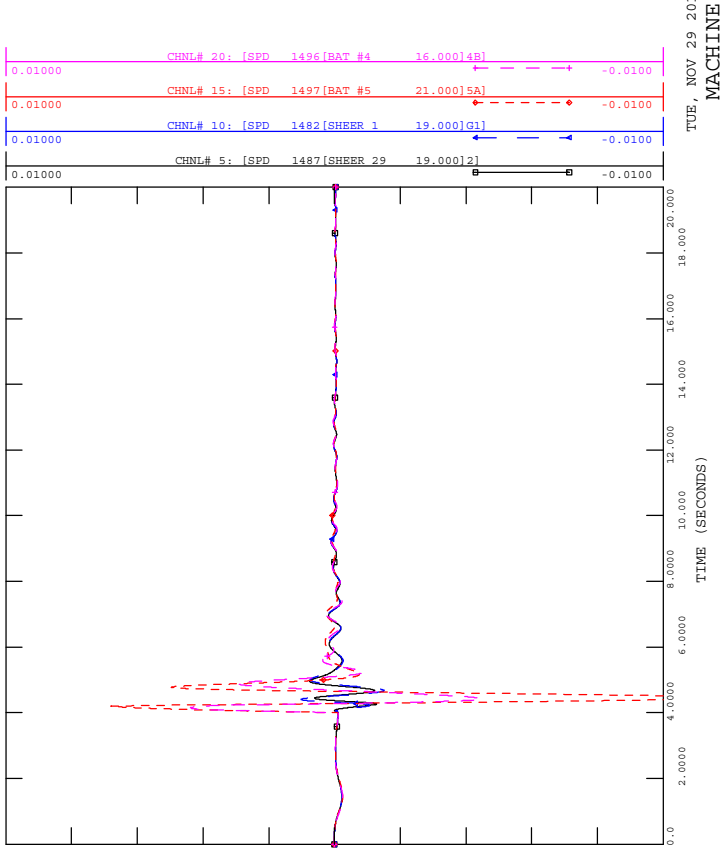


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S903_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

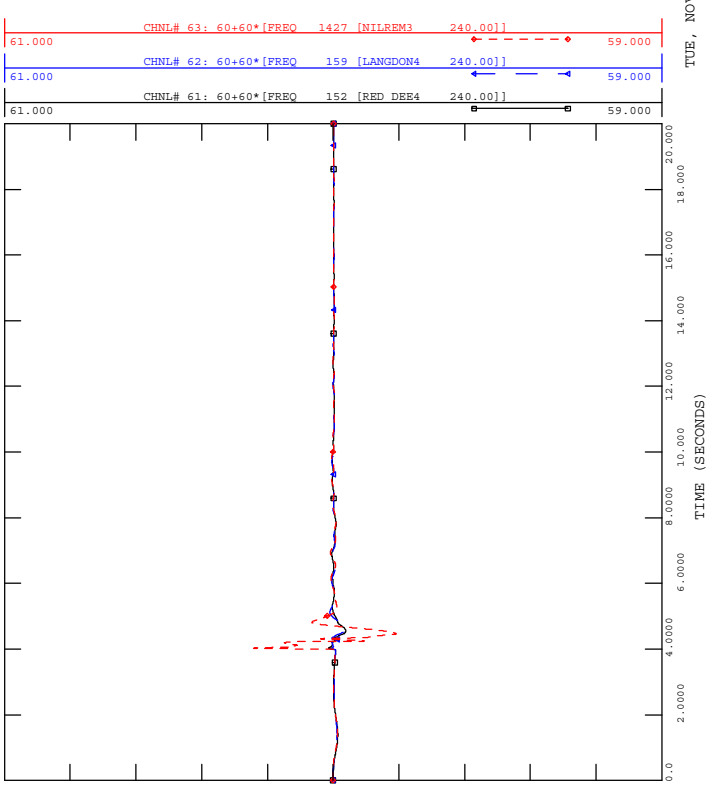


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S903_755S-Cordel.out

TUE, NOV 29 2016 9:10

FREQUENCY

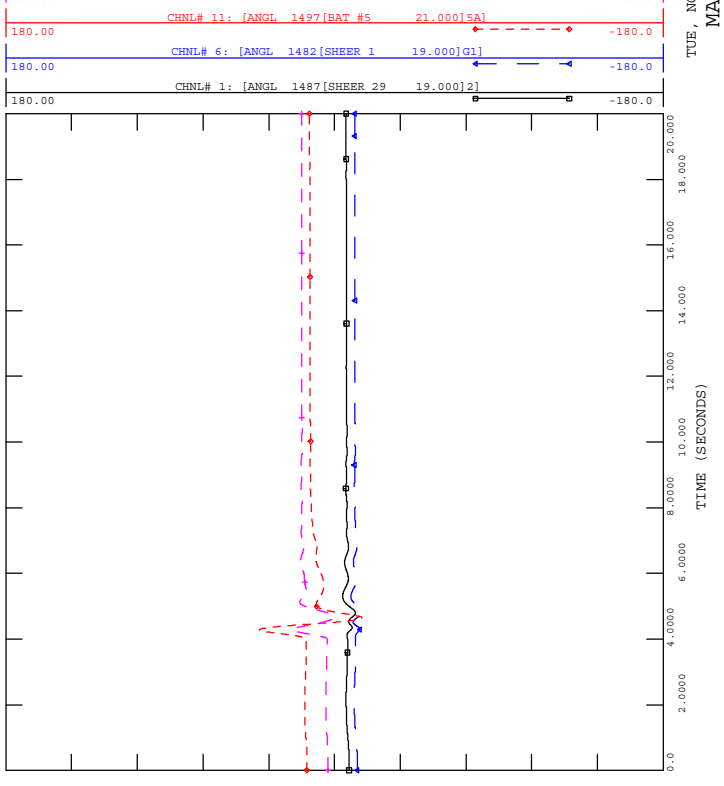


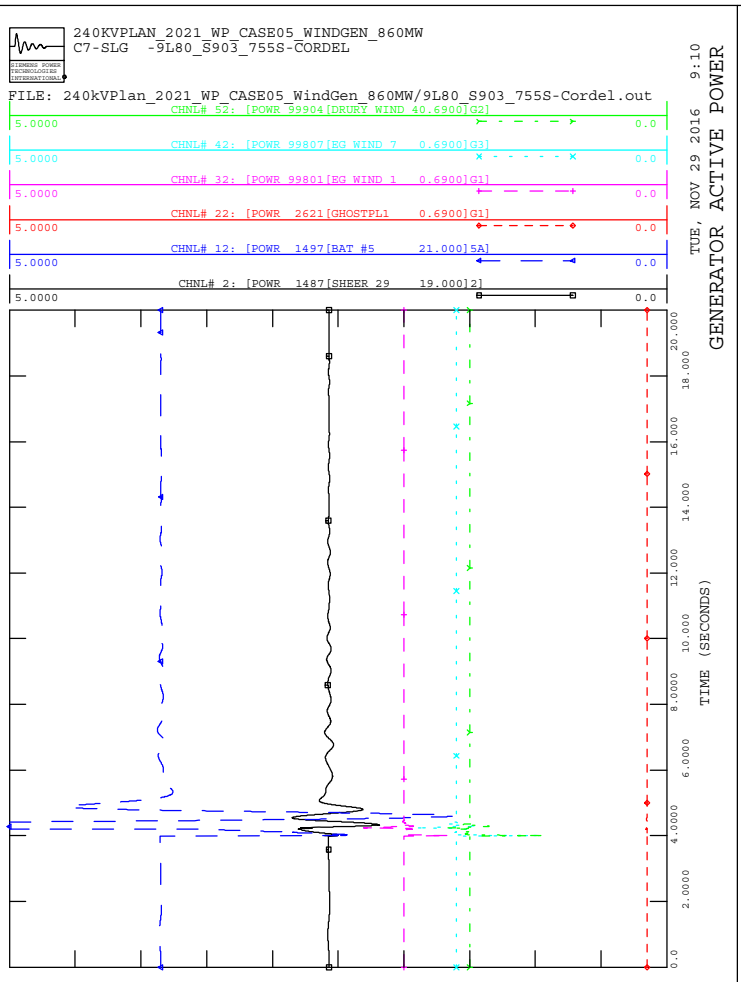
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL

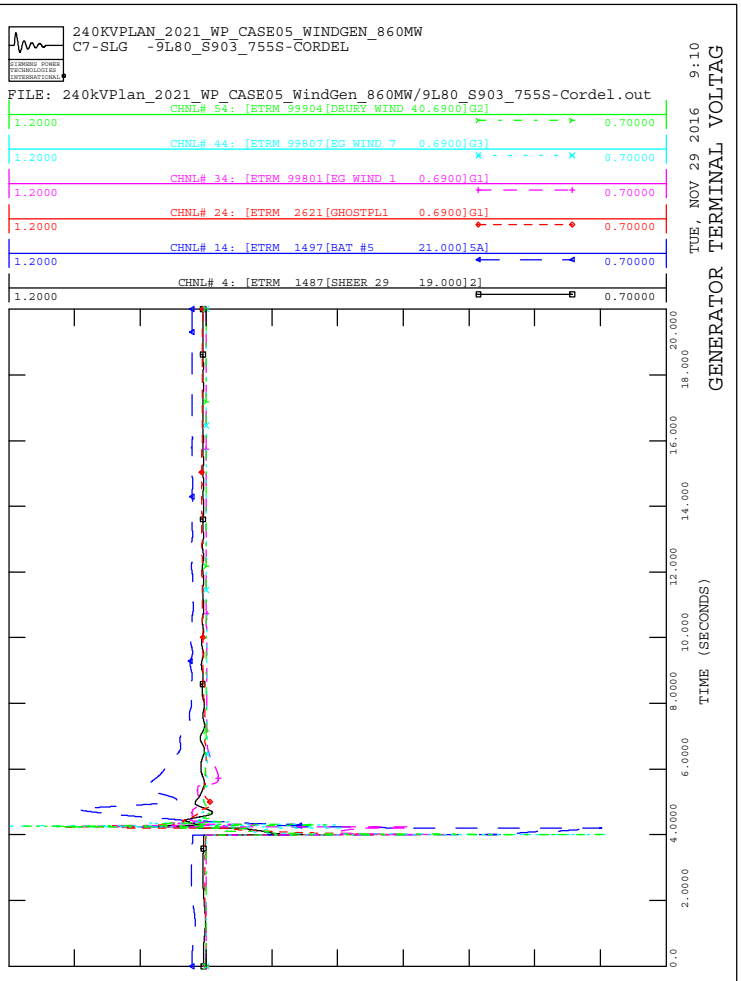
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S903_755S-Cordel.out

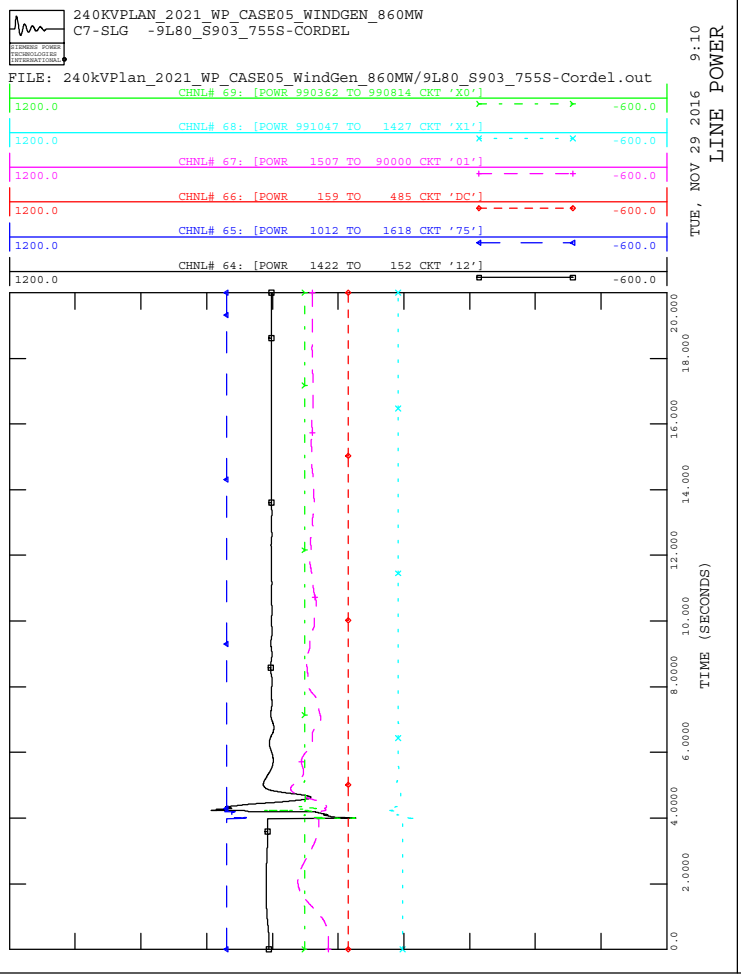
TUE, NOV 29 2016 9:10

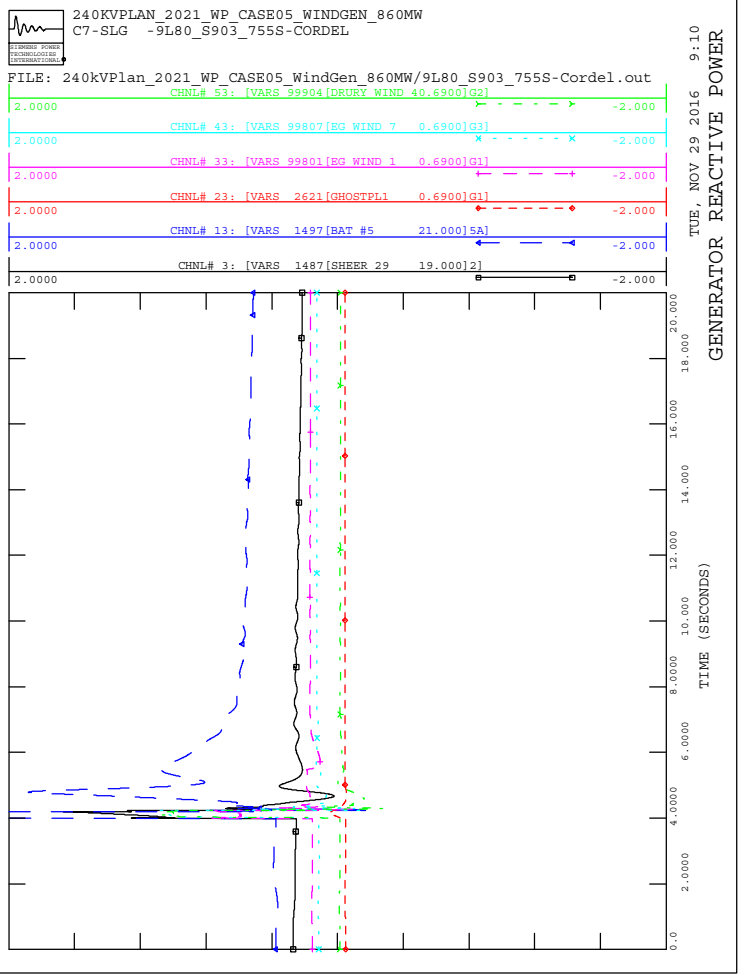
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S903_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S903_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S903_755S-Cordel.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

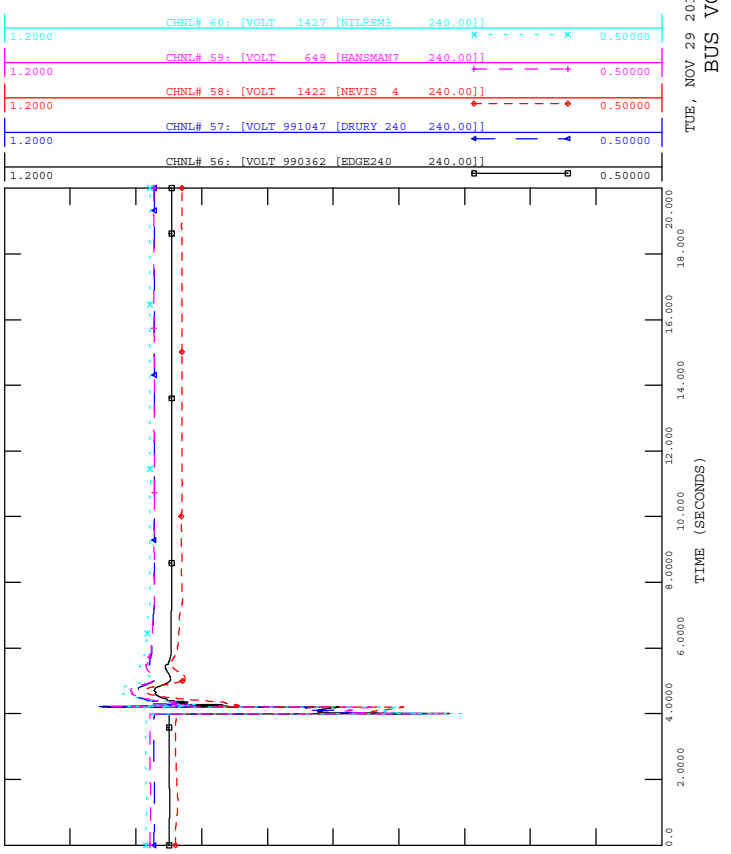

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S903_755S-CORDEL
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S903_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

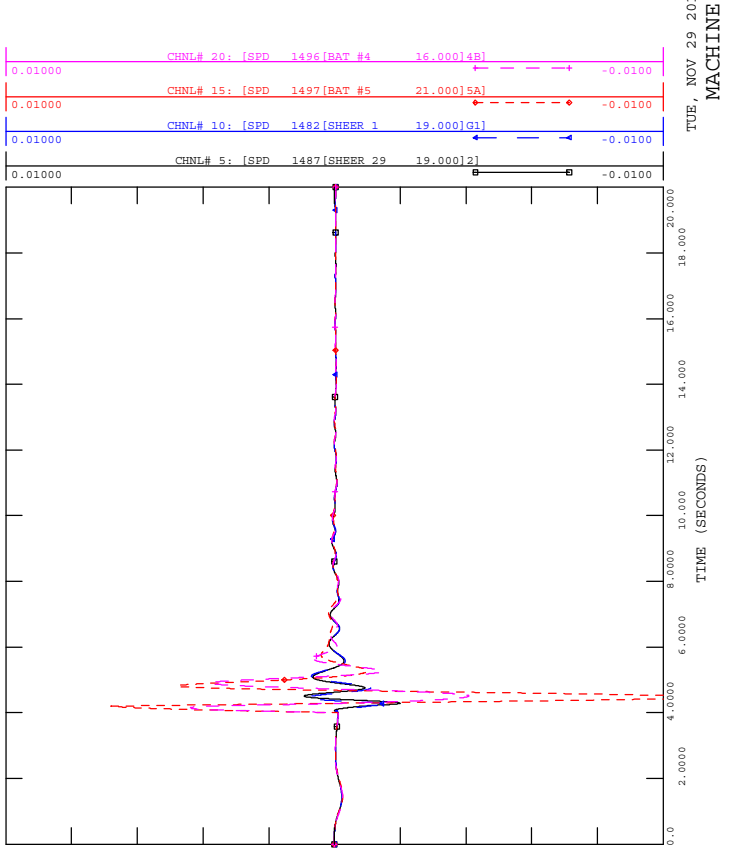


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

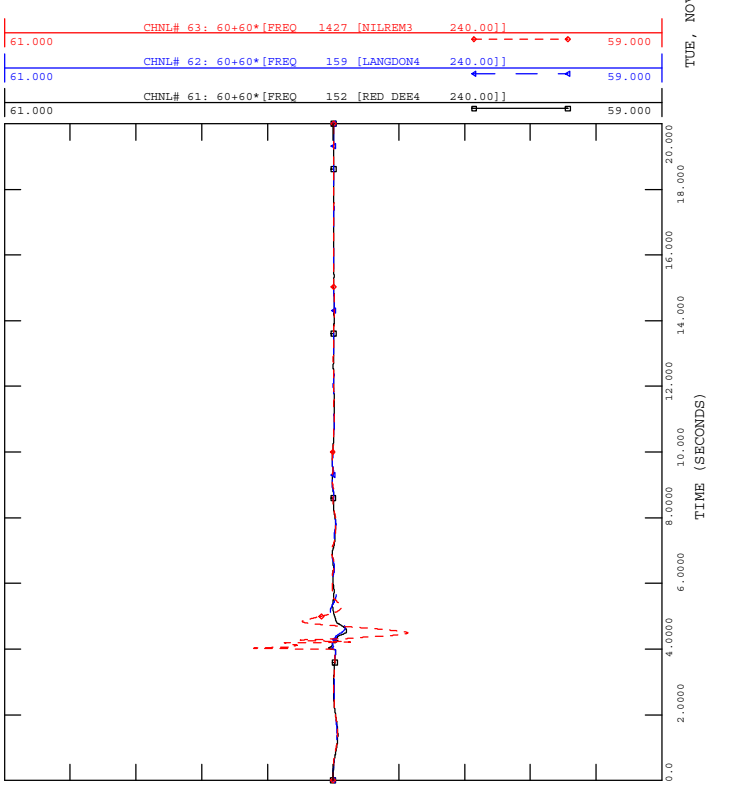


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

FREQUENCY

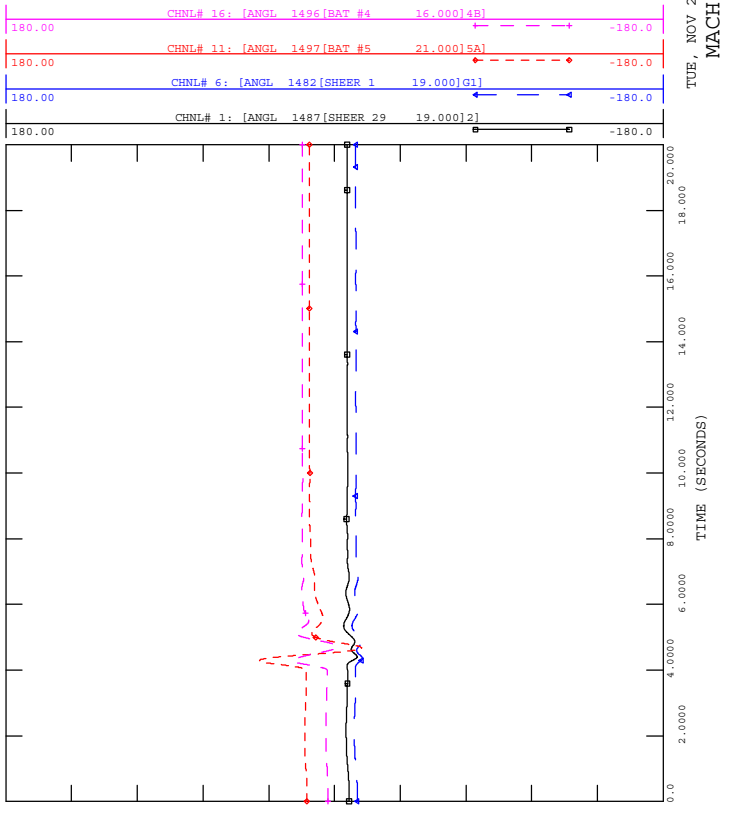


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL

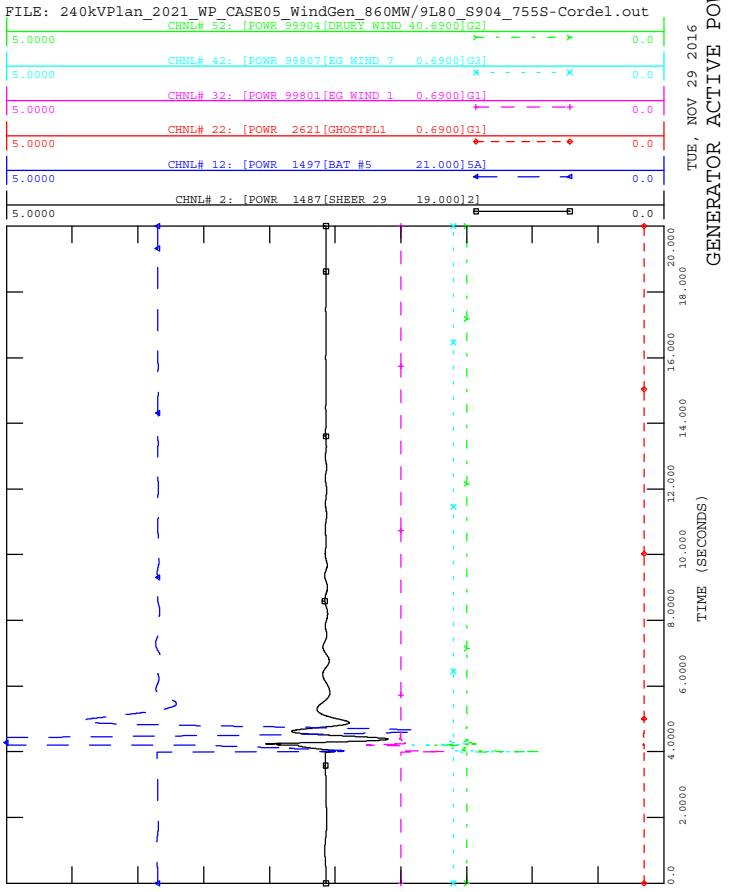


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

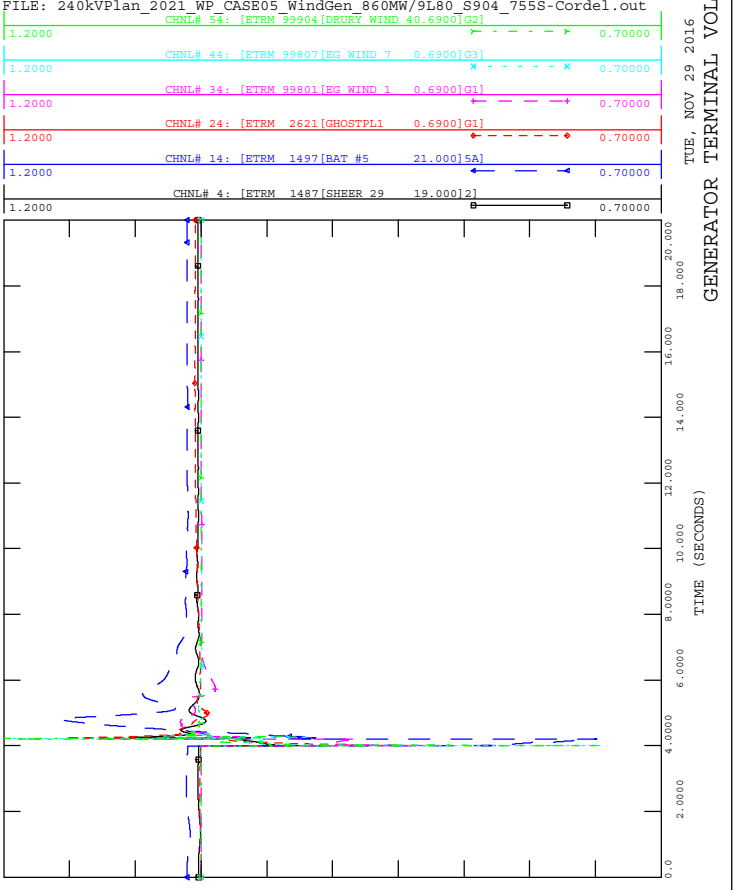


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

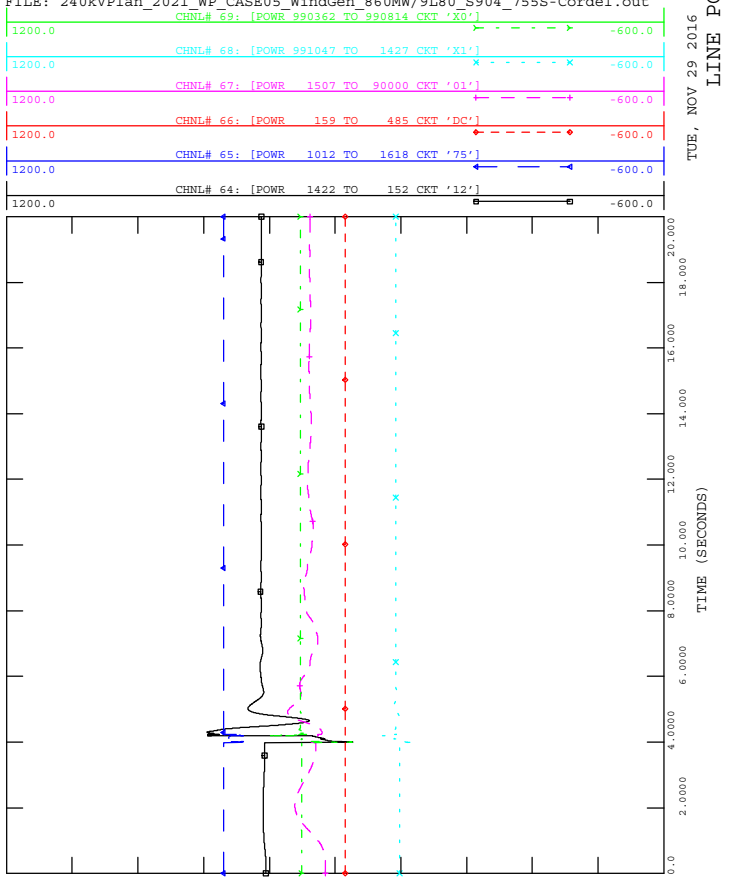


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

LINE POWER

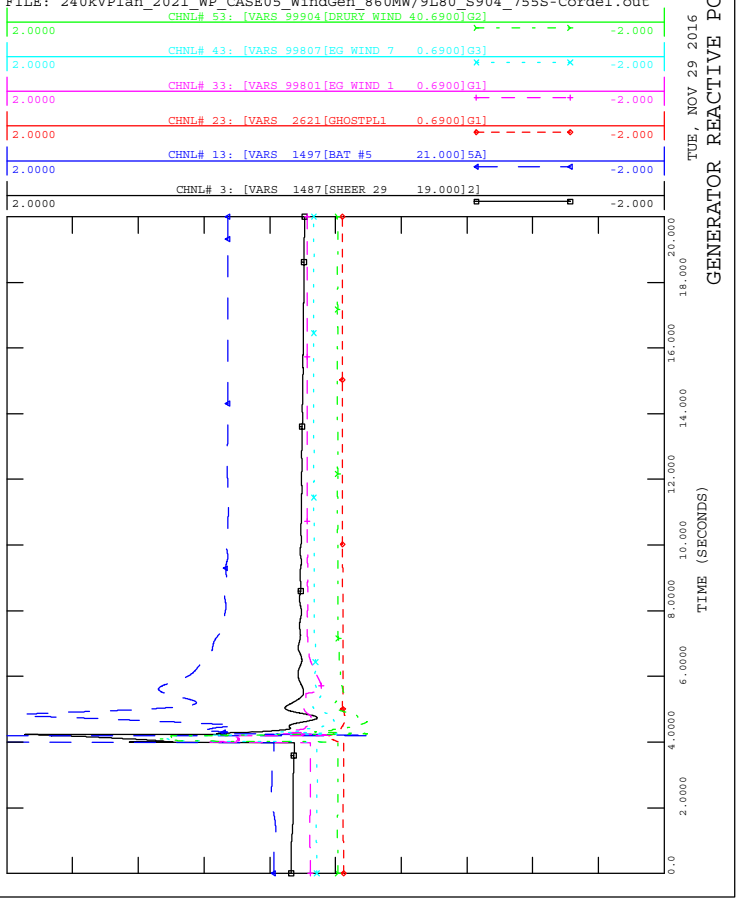


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S904_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S904_755S-Cordel.out

TUE, NOV 29 2016 9:10

GENERATOR REACTIVE POWER

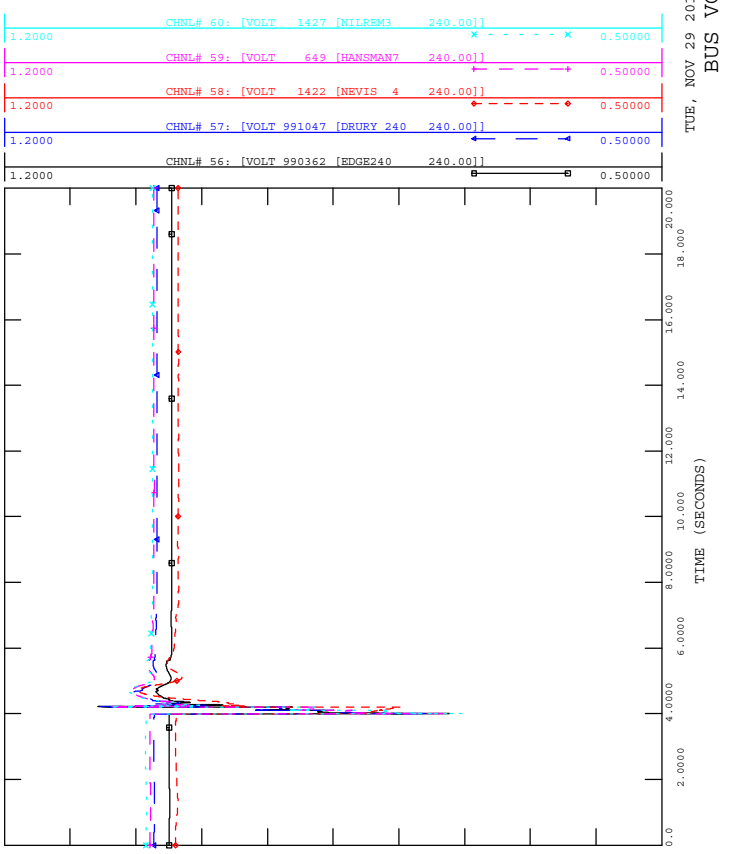


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S905_755S-Cordel.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

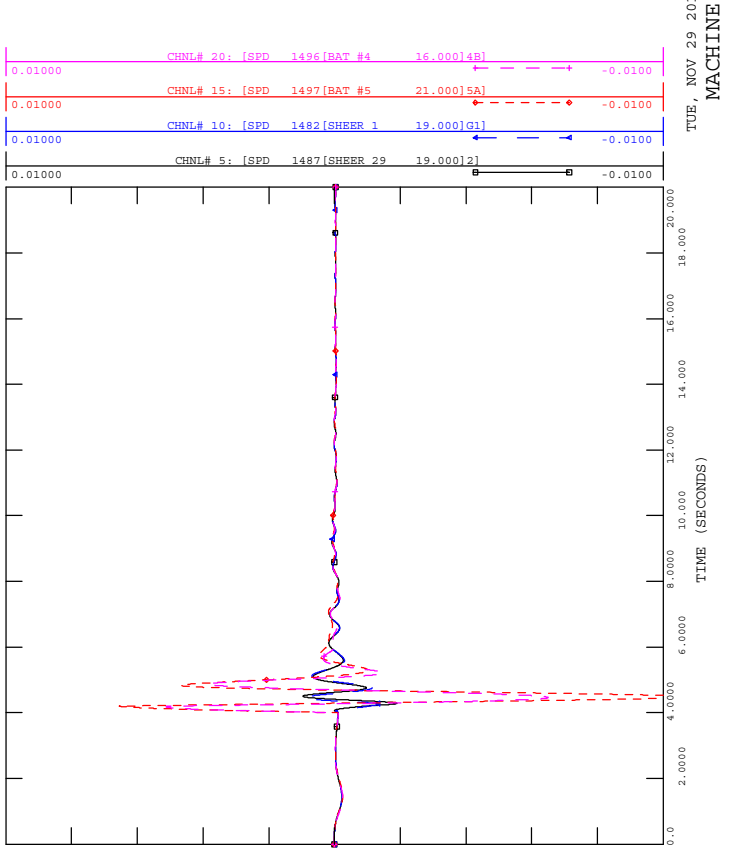


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S905_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

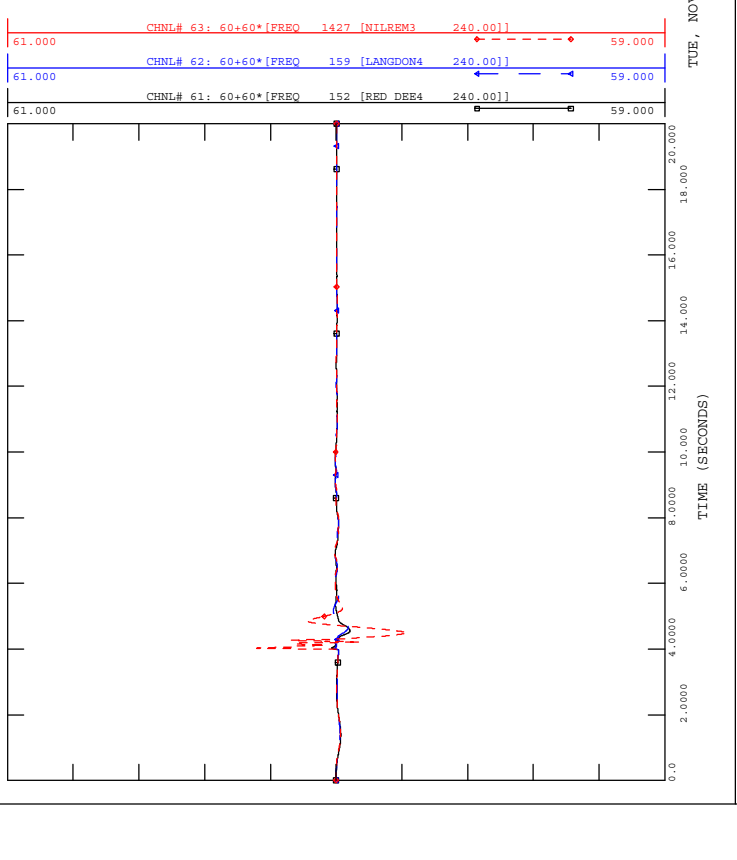


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S905_755S-Cordel.out

TUE, NOV 29 2016 9:10

FREQUENCY

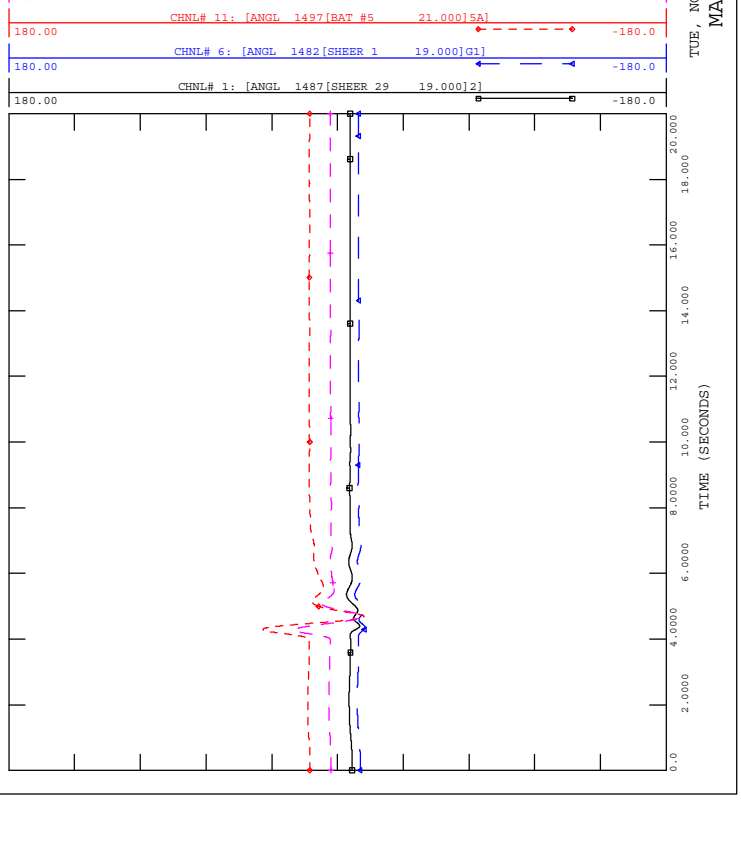


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S905_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S905_755S-Cordel.out

TUE, NOV 29 2016 9:10

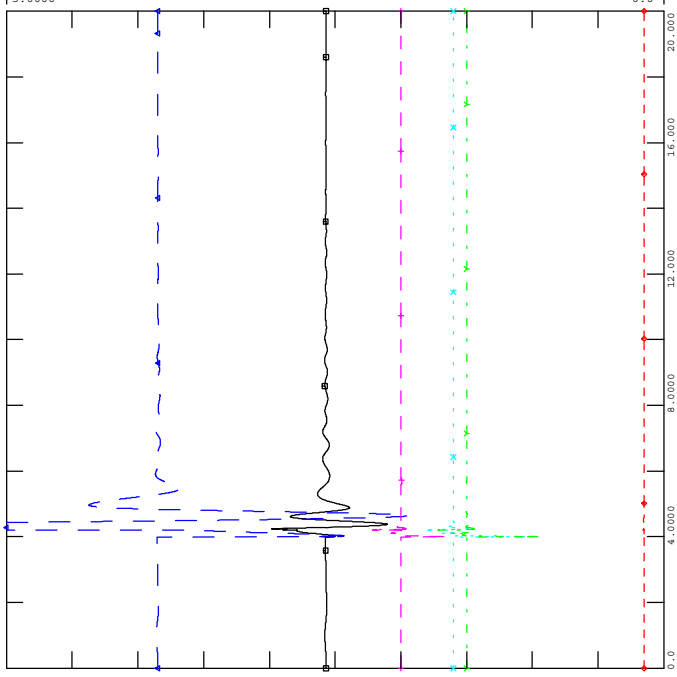
GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S905_755S-Cordel.out

TUE, NOV 29 2016 9:10

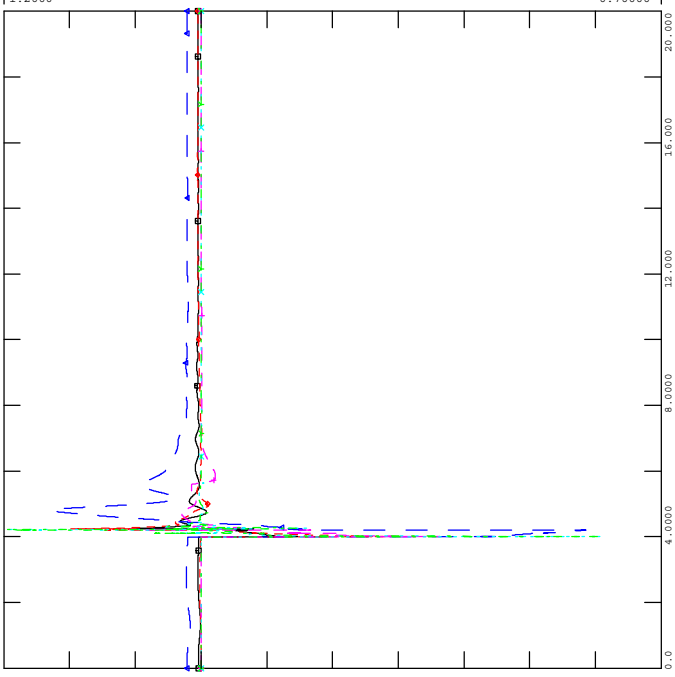
GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S905_755S-Cordel.out

TUE, NOV 29 2016 9:10

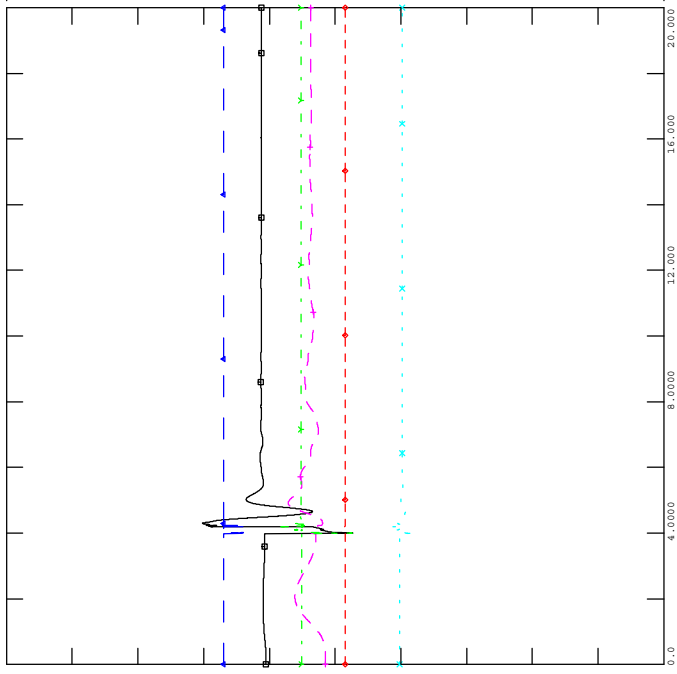
LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S905_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S905_755S-Cordel.out

TUE, NOV 29 2016 9:10

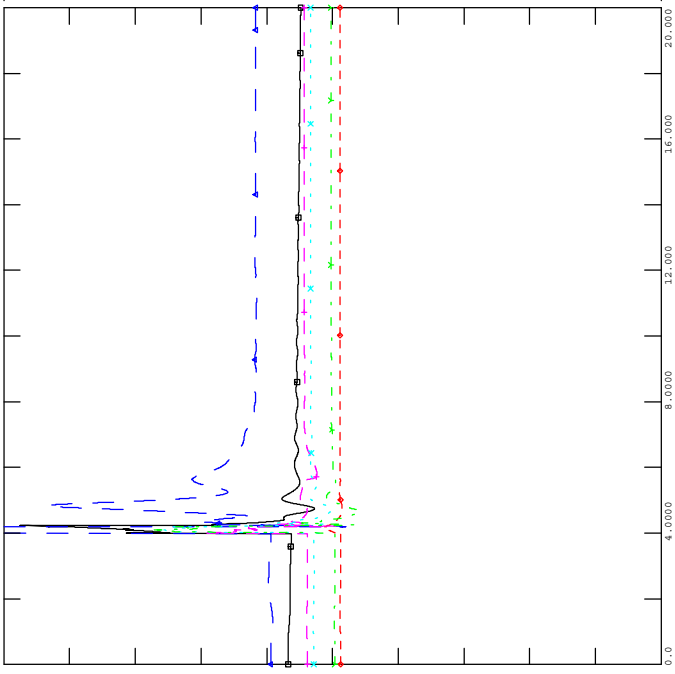
GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

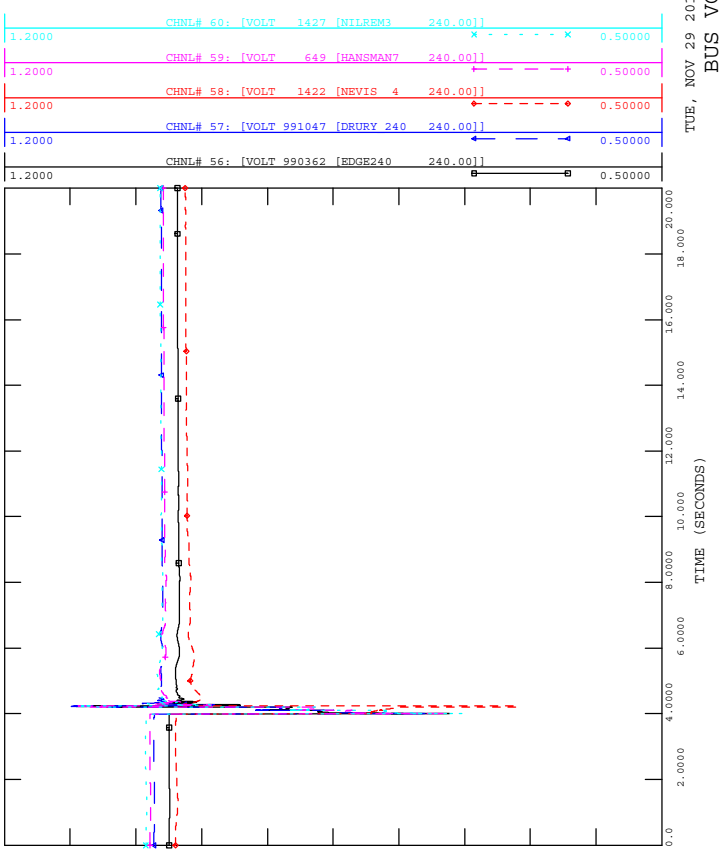


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S906_755S-Cordel.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

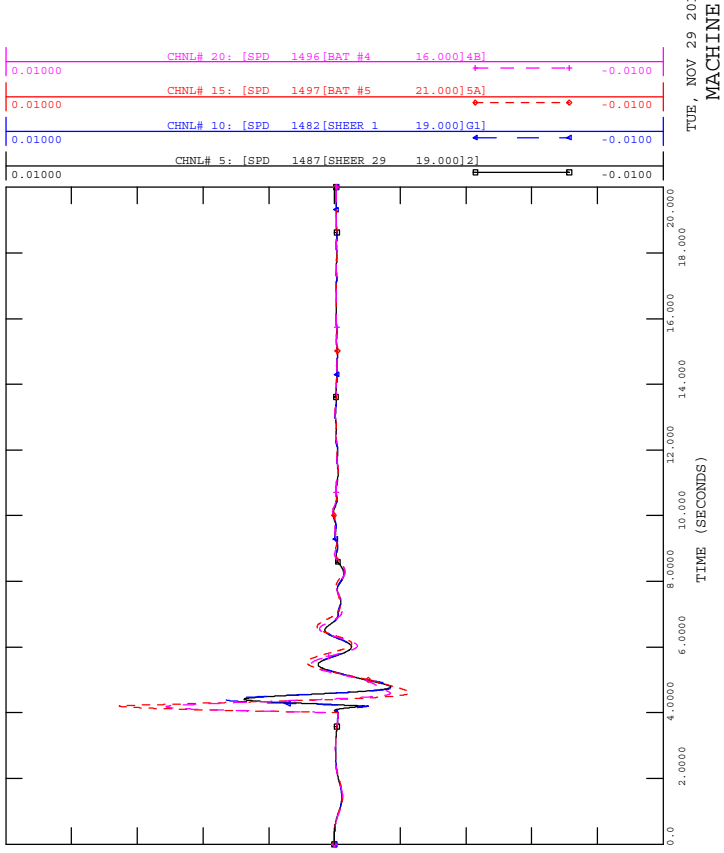


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S906_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

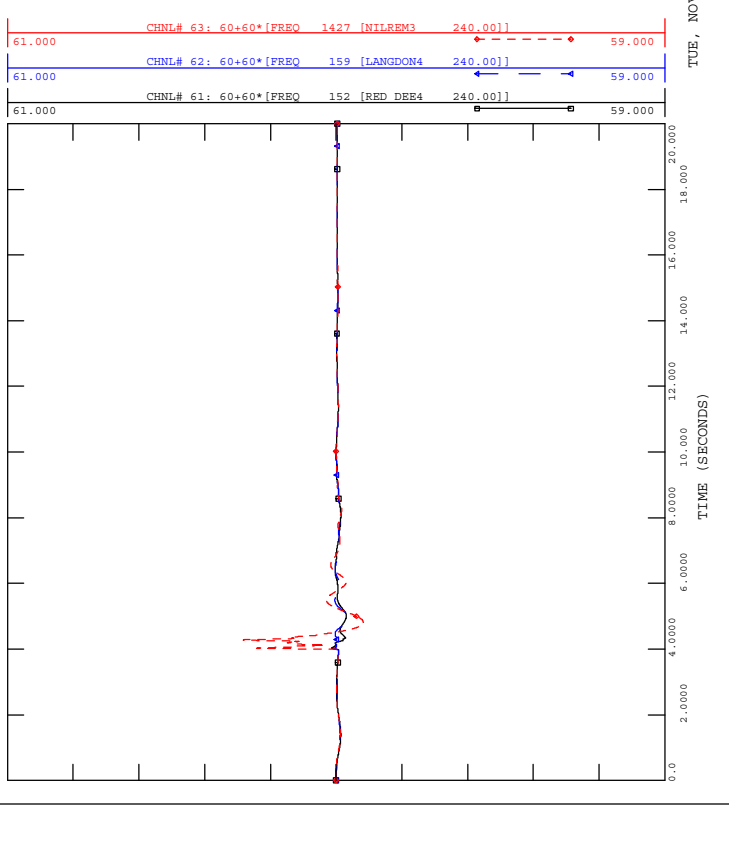


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S906_755S-Cordel.out

TUE, NOV 29 2016 9:10

FREQUENCY

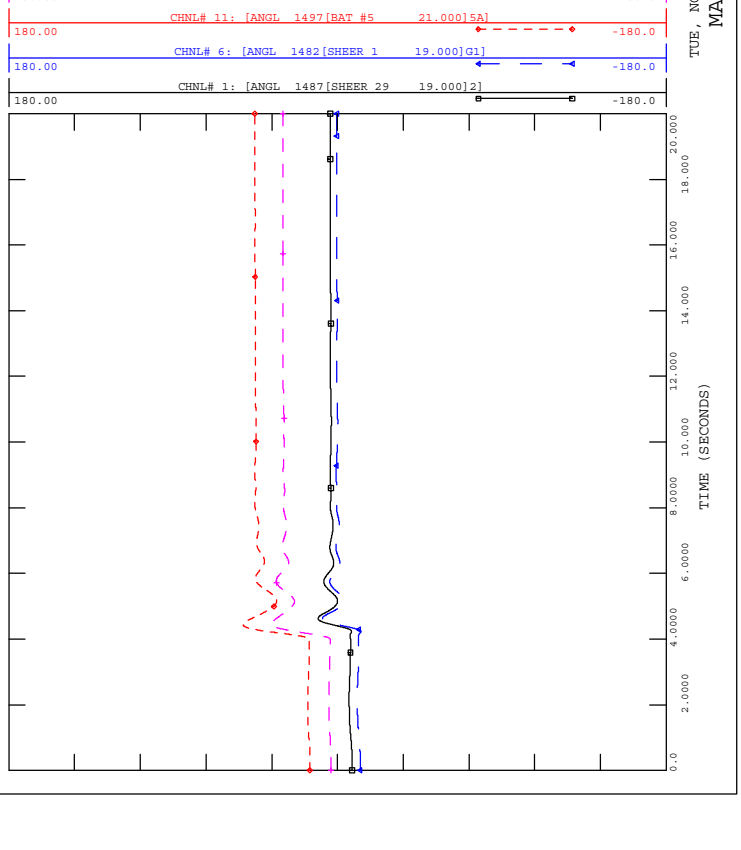


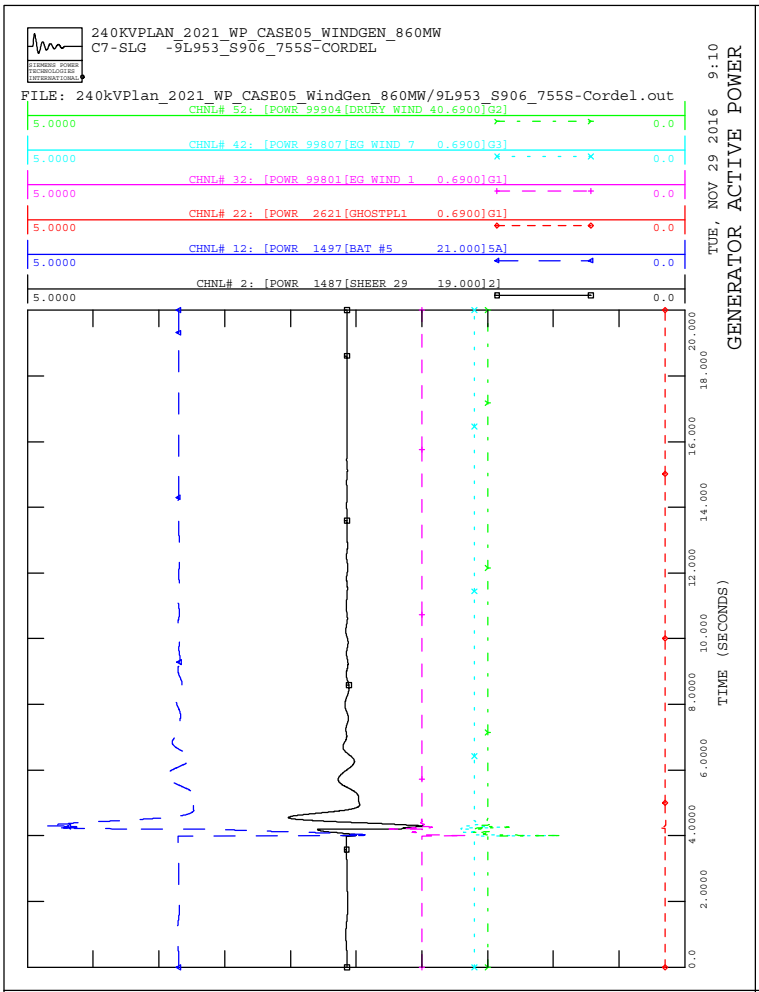
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S906_755S-Cordel.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S906_755S-Cordel.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
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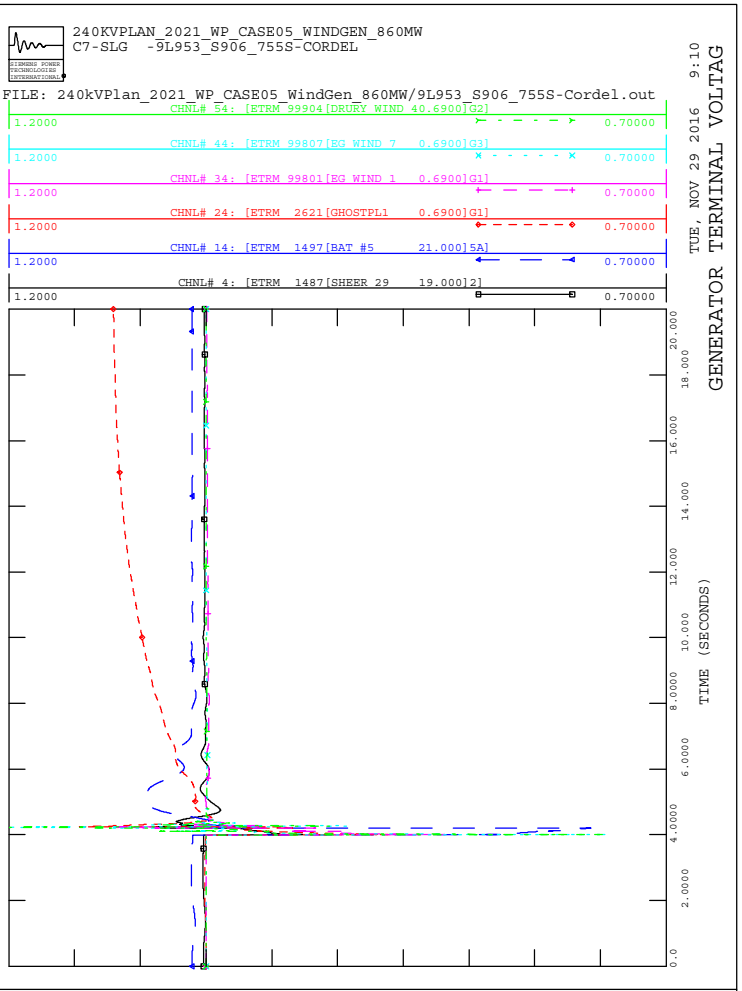
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S906_755S-Cordel.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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2.0000
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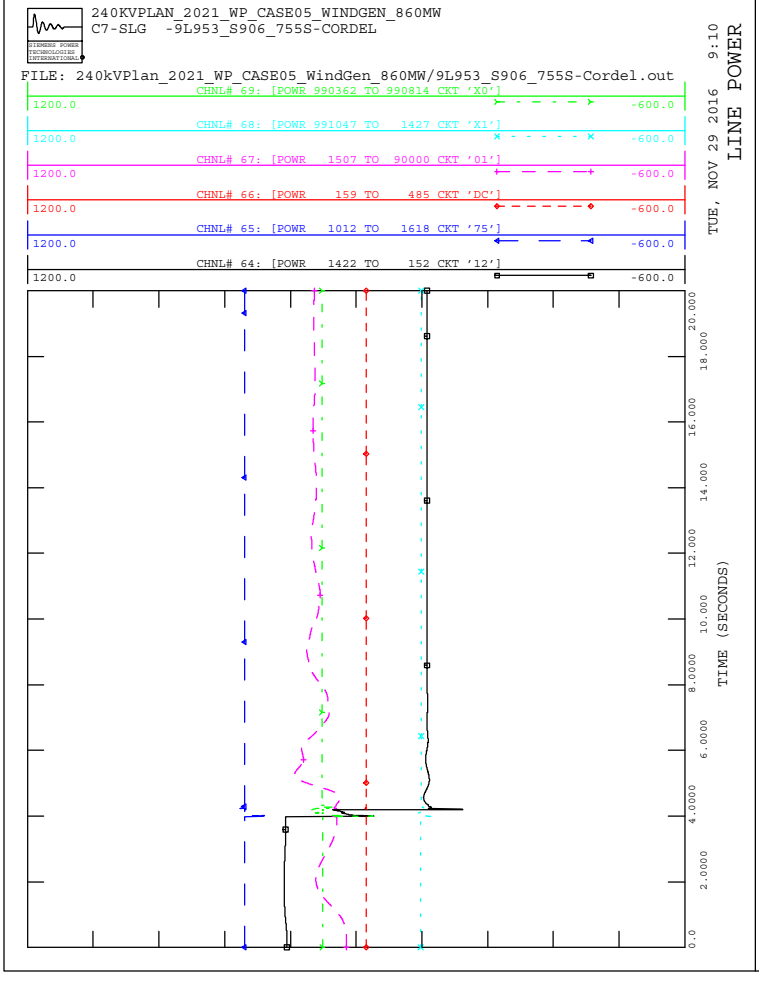
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S906_755S-Cordel.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)
0.0
2.0000
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12.000
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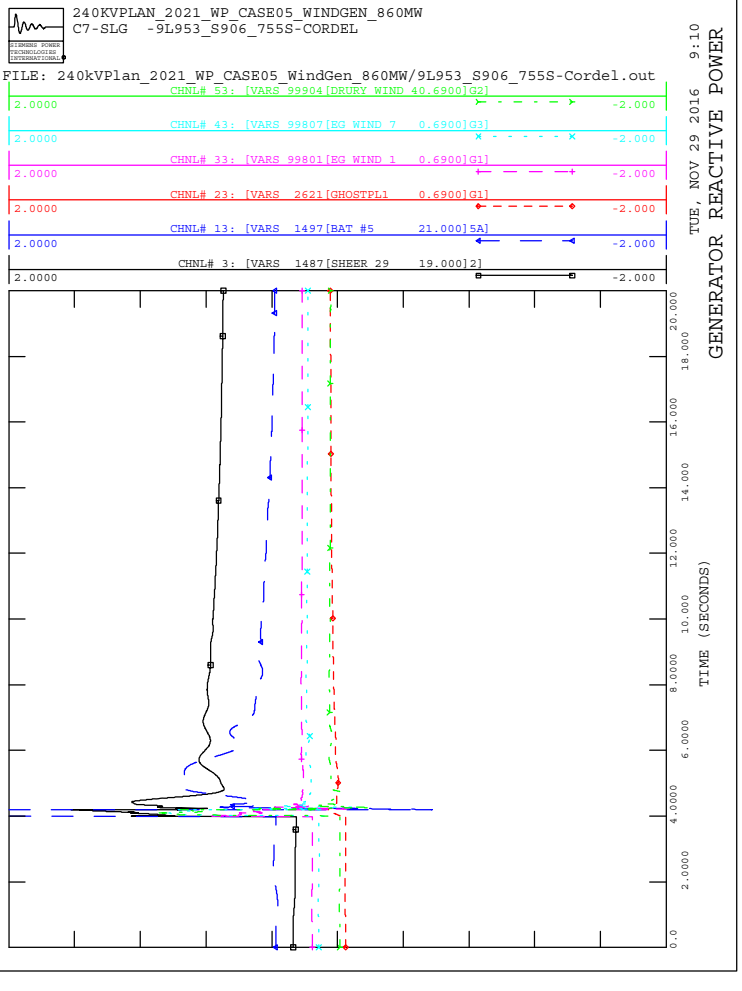
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L953_S906_755S-CORDEL
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L953_S906_755S-Cordel.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)
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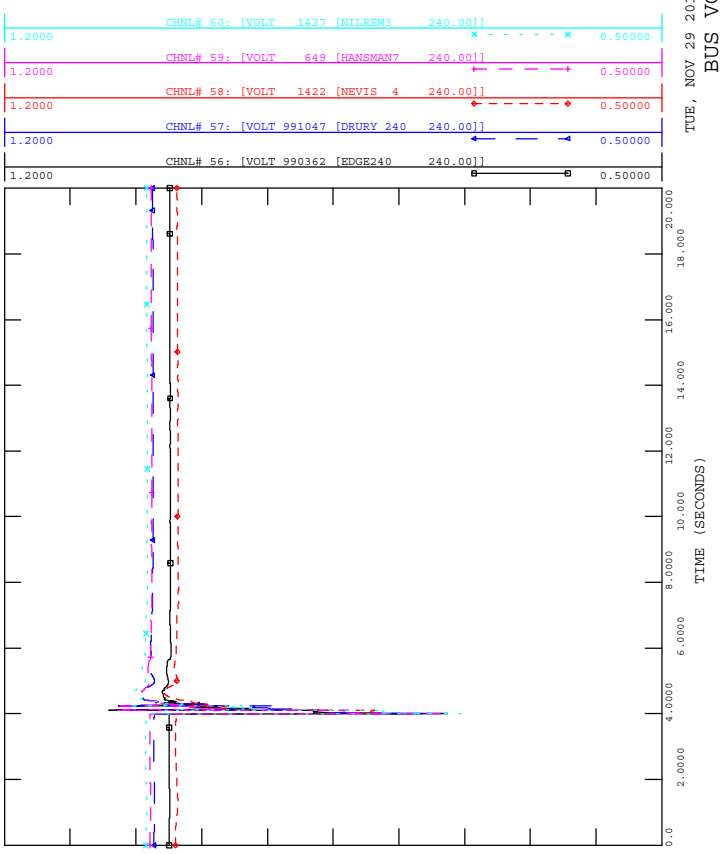
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S912_757S-Battle River.

TUE, NOV 29 2016 9:10

BUS VOLTAGE

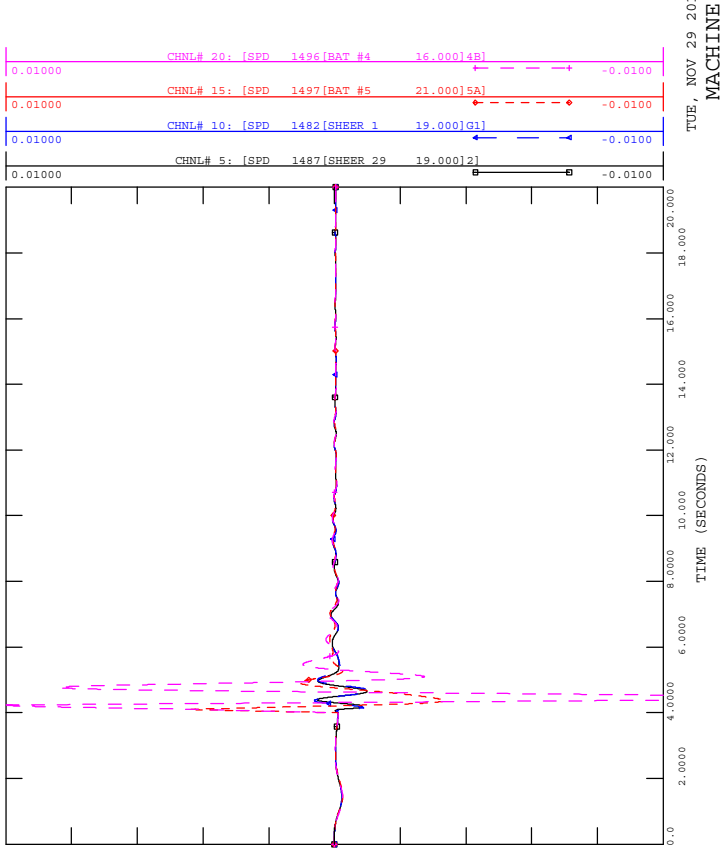


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S912_757S-Battle River.

TUE, NOV 29 2016 9:10

MACHINE SPEED

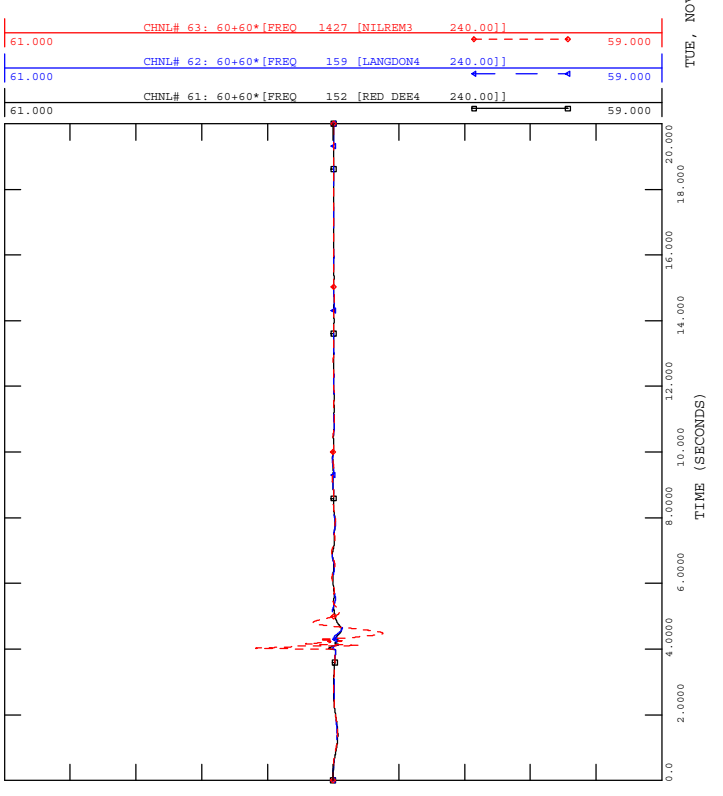


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S912_757S-Battle River.

TUE, NOV 29 2016 9:10

FREQUENCY

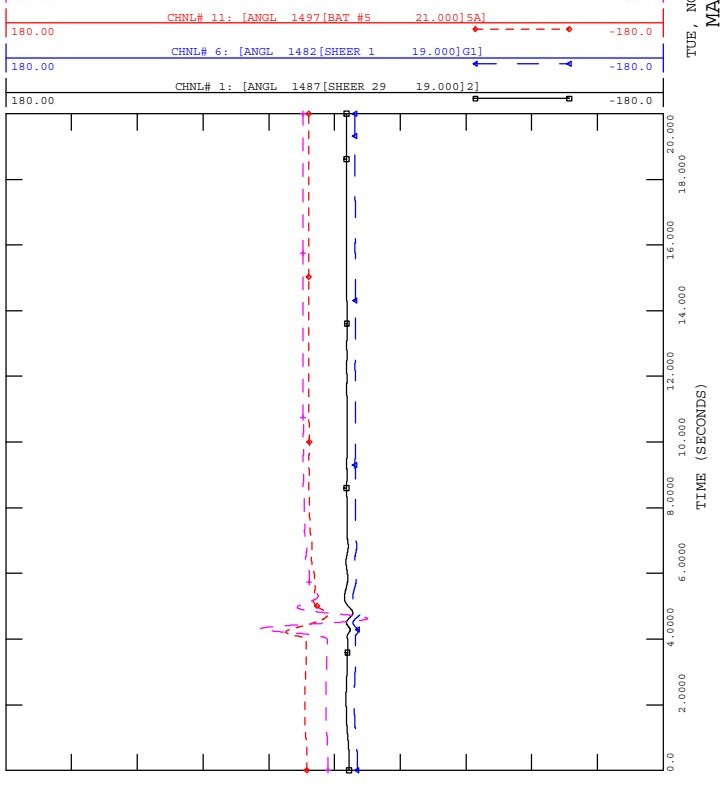


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S912_757S-Battle River.

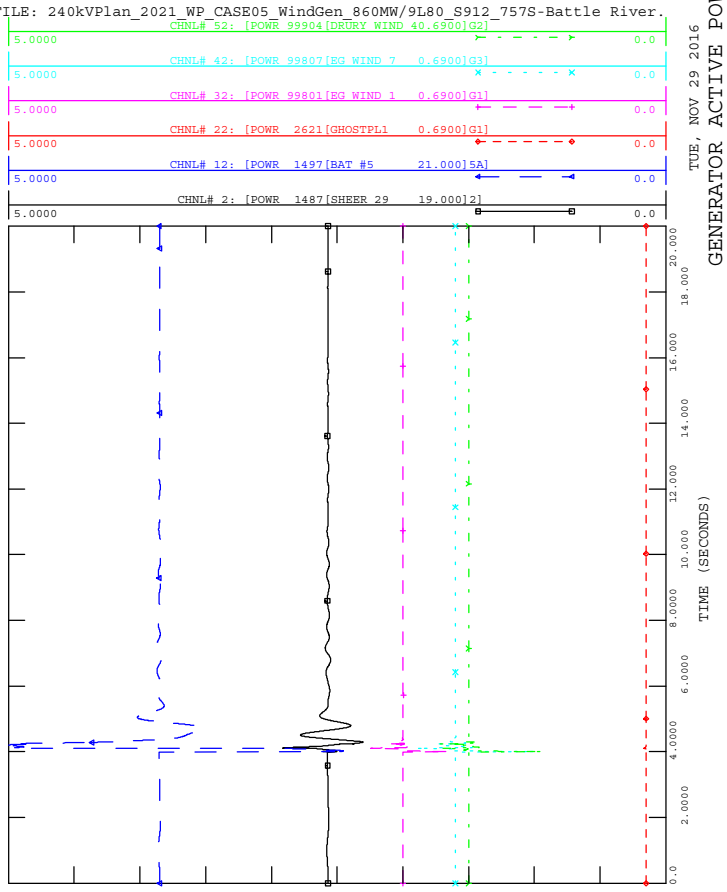
TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S912_757S-Battle River.

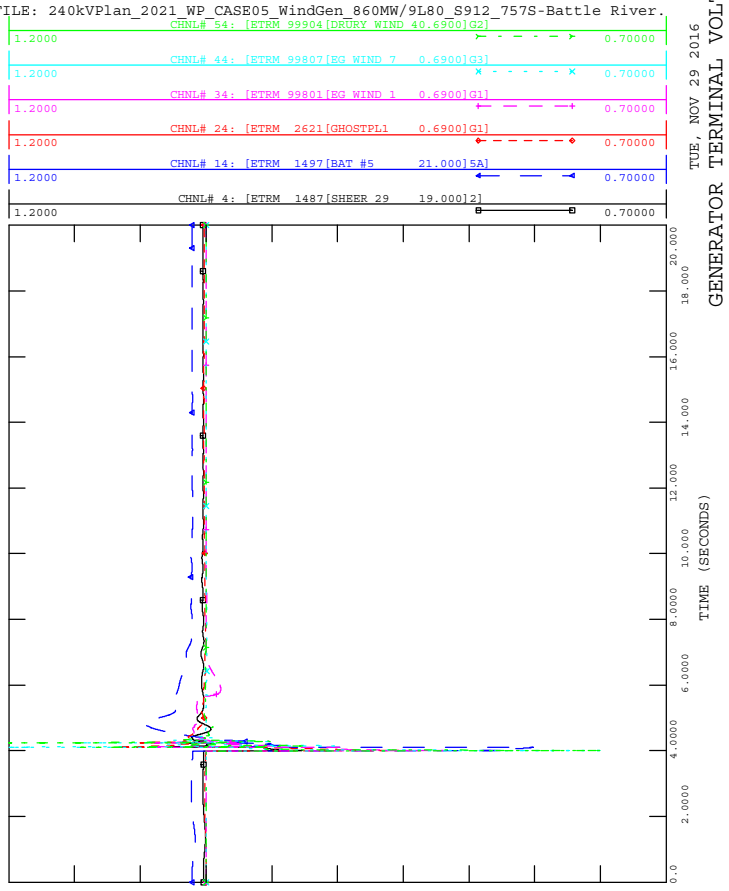


TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S912_757S-Battle River.

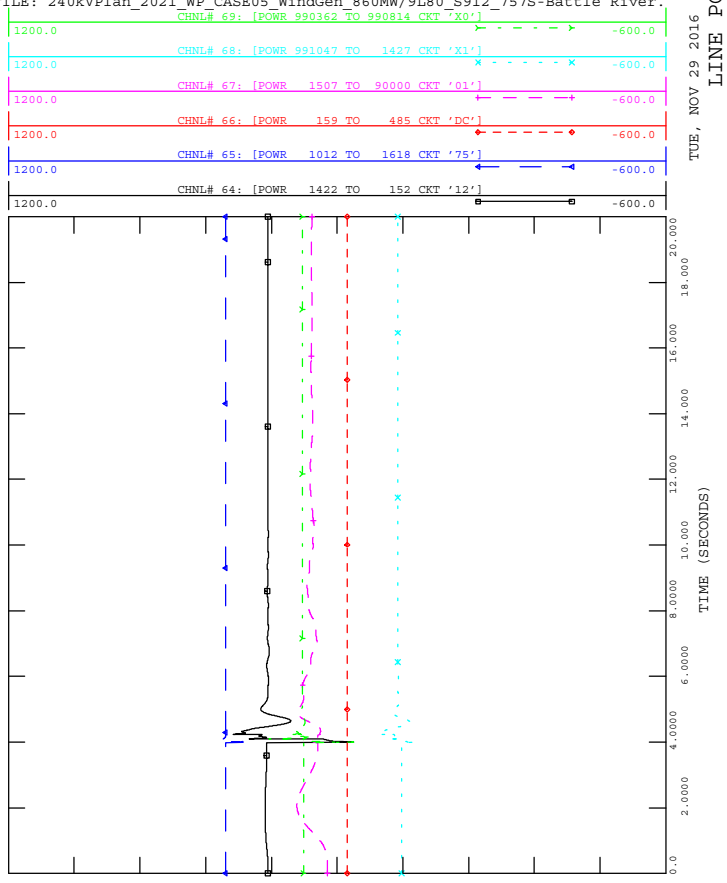


TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S912_757S-Battle River.

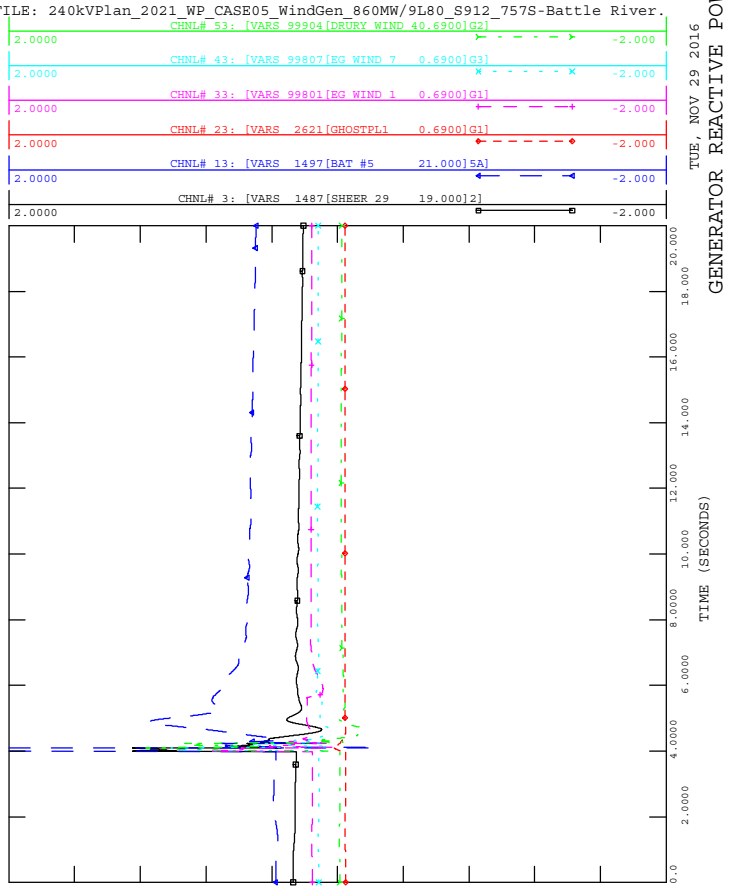


TUE, NOV 29 2016 9:10

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L80_S912_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L80_S912_757S-Battle River.



TUE, NOV 29 2016 9:10

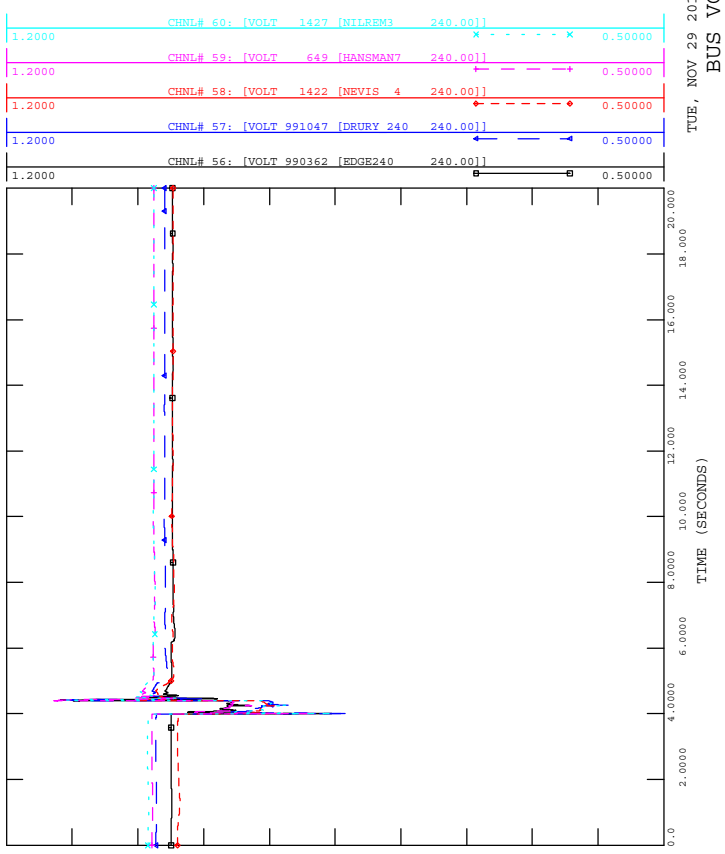
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S707_757S-Battle River.

TUE, NOV 29 2016 9:10

BUS VOLTAGE

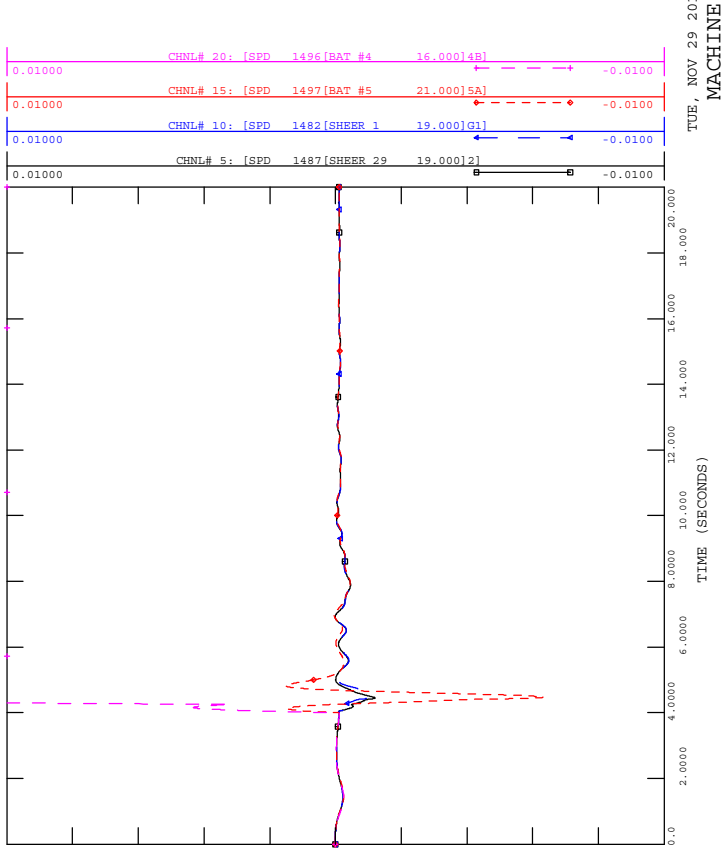


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S707_757S-Battle River.

TUE, NOV 29 2016 9:10

MACHINE SPEED

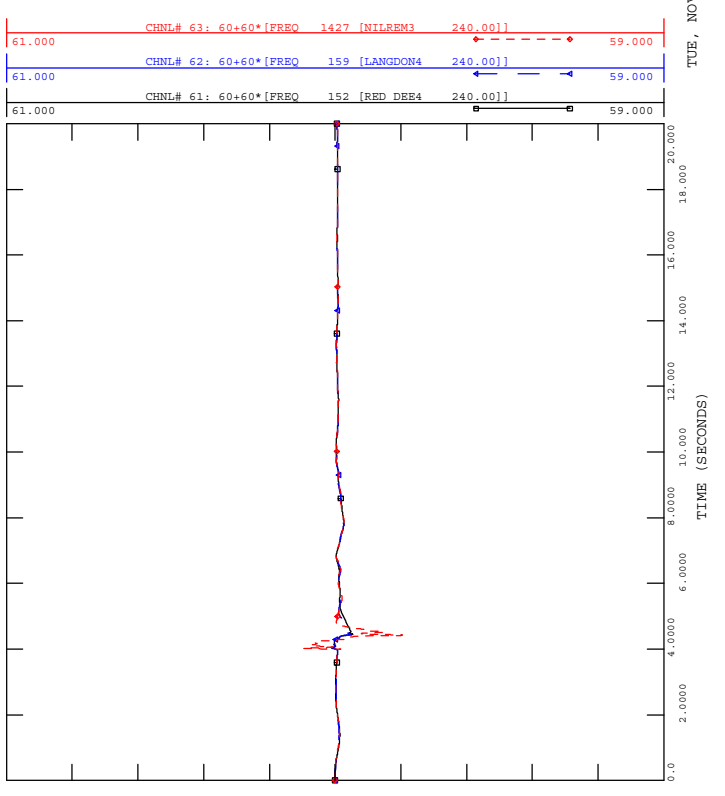


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S707_757S-Battle River.

TUE, NOV 29 2016 9:10

FREQUENCY

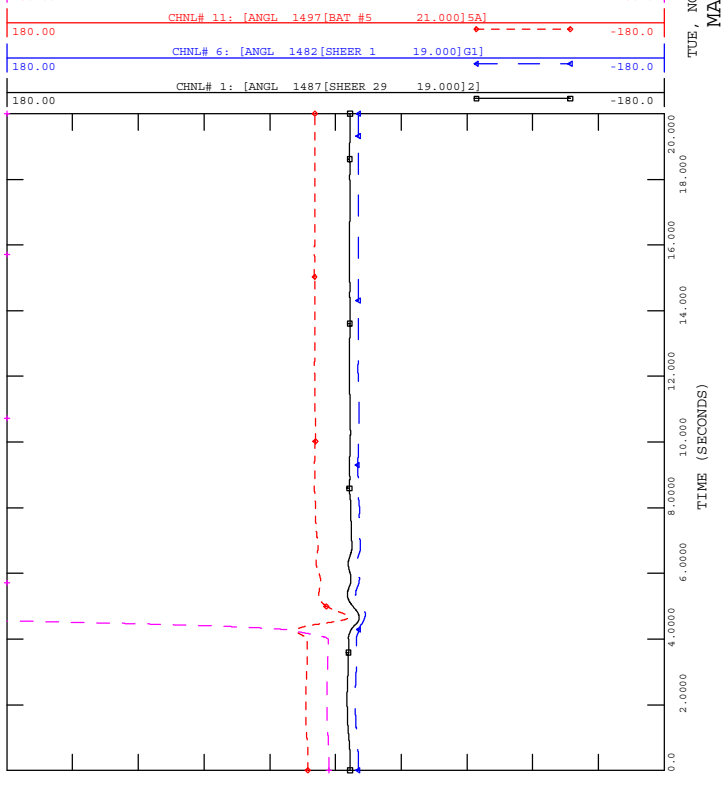


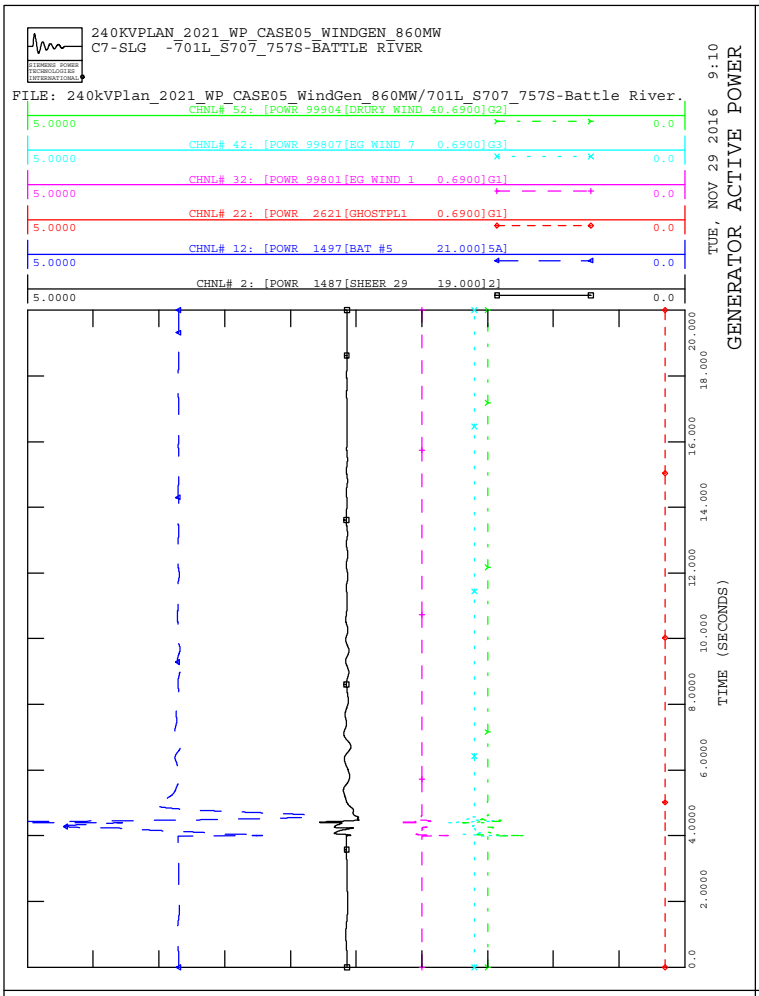
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER

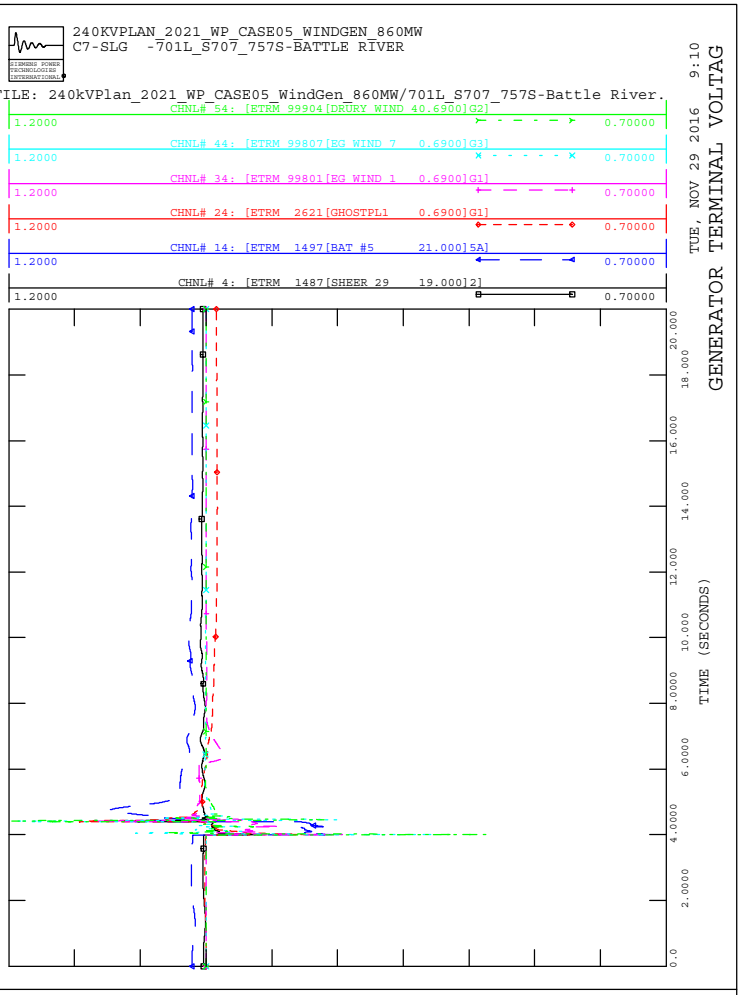
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S707_757S-Battle River.

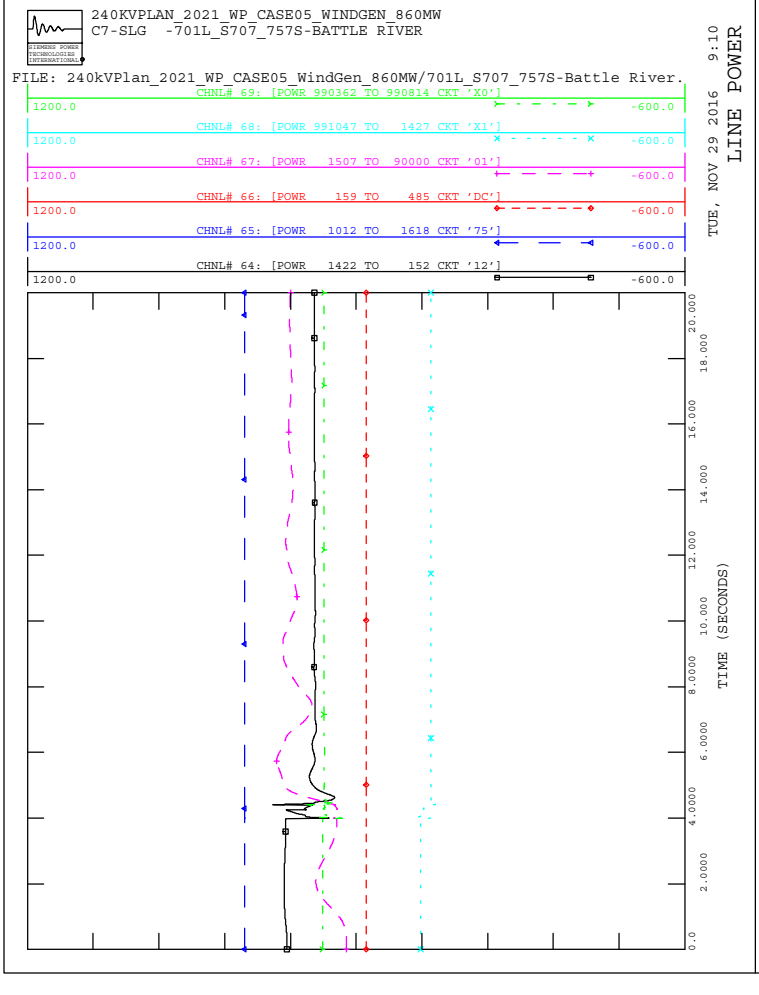
TUE, NOV 29 2016 9:10

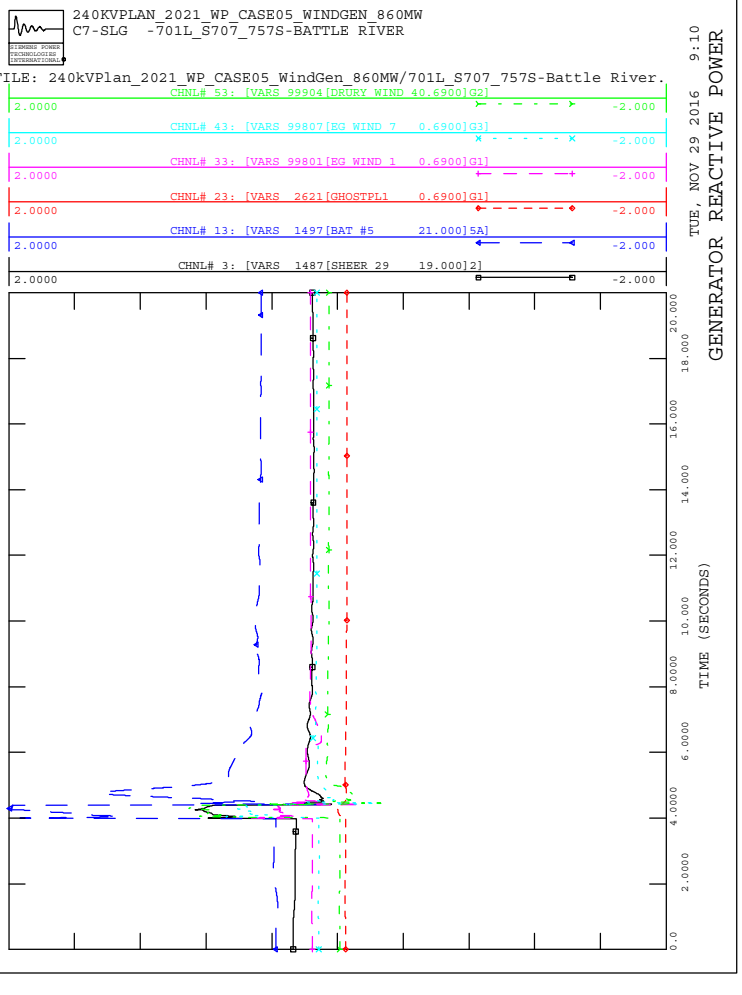
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S707_757S-Battle River.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S707_757S-Battle River.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S707_757S-Battle River.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

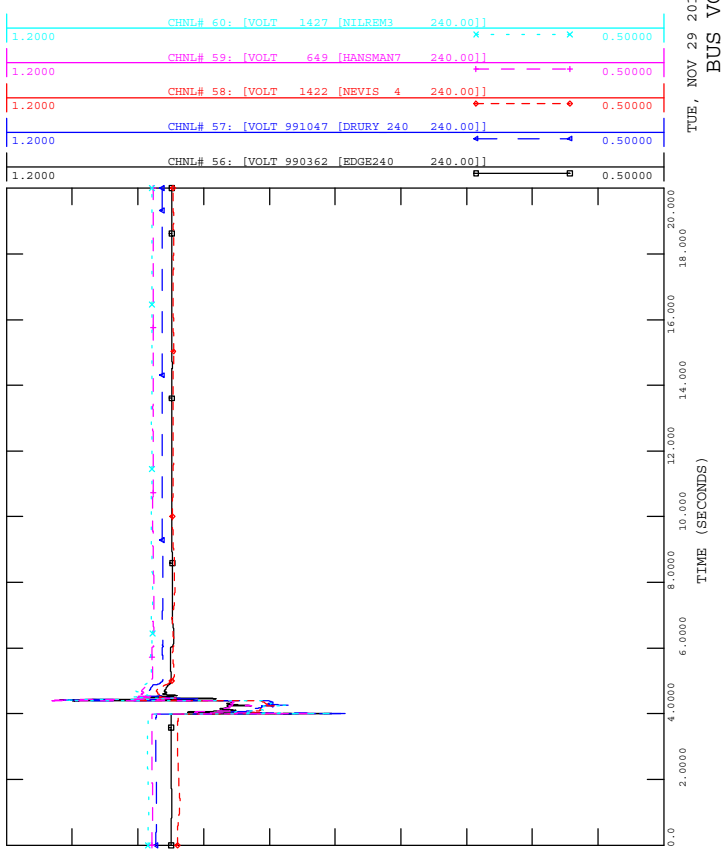

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S707_757S-BATTLE RIVER
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S707_757S-Battle River.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_S708_757S-Battle River.

TUE, NOV 29 2016 9:10

BUS VOLTAGE

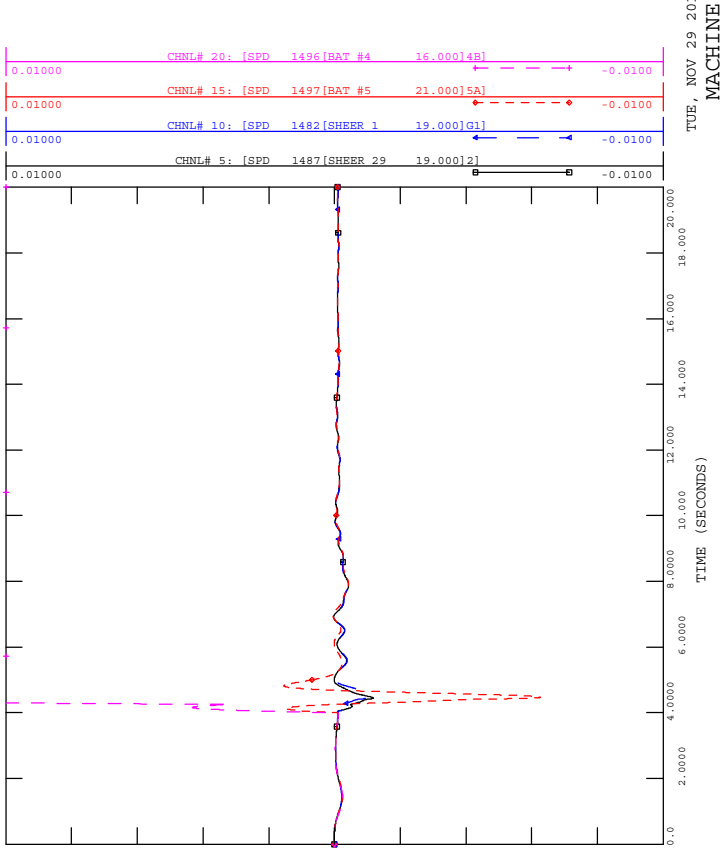


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_S708_757S-Battle River.

TUE, NOV 29 2016 9:10

MACHINE SPEED

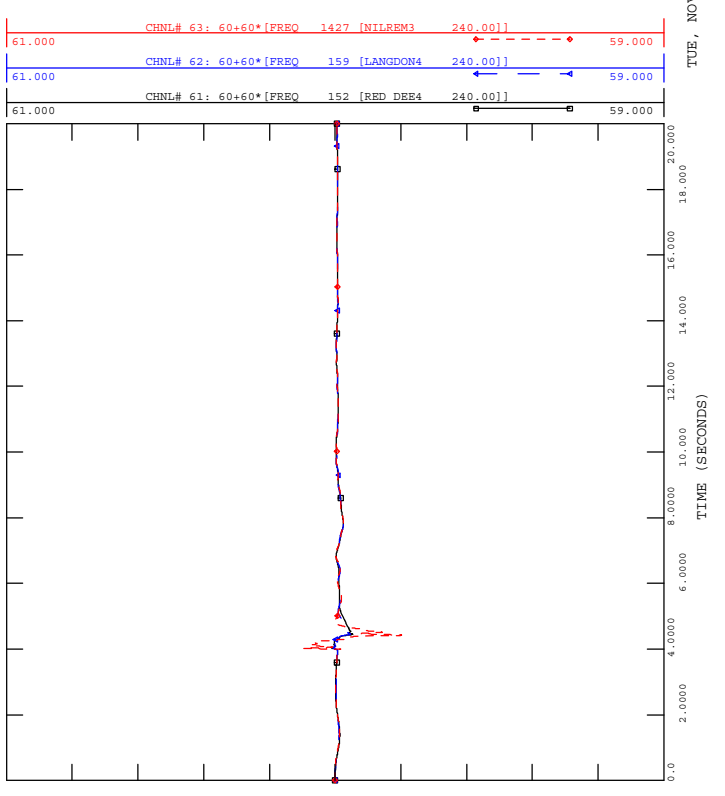


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_S708_757S-Battle River.

TUE, NOV 29 2016 9:10

FREQUENCY

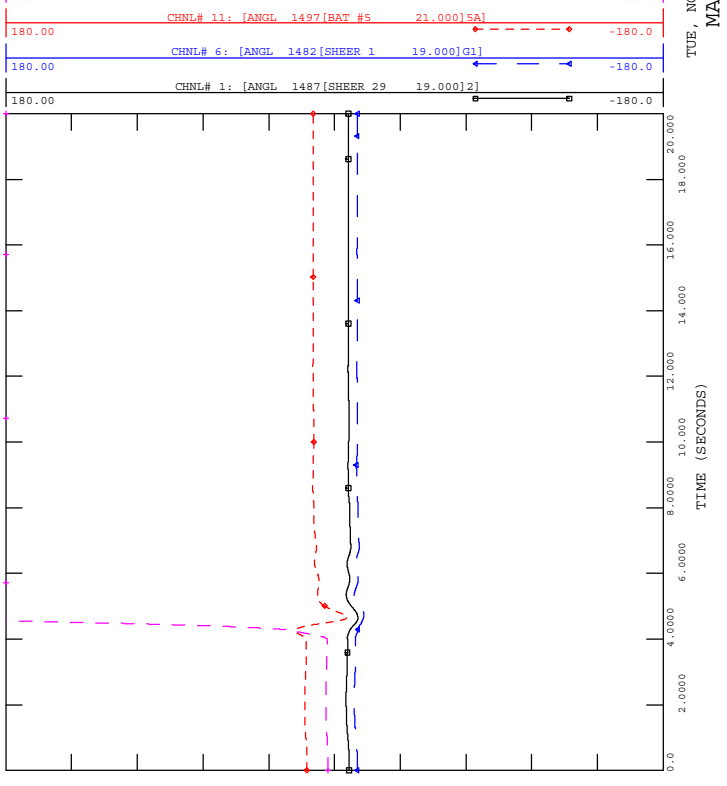


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_S708_757S-Battle River.

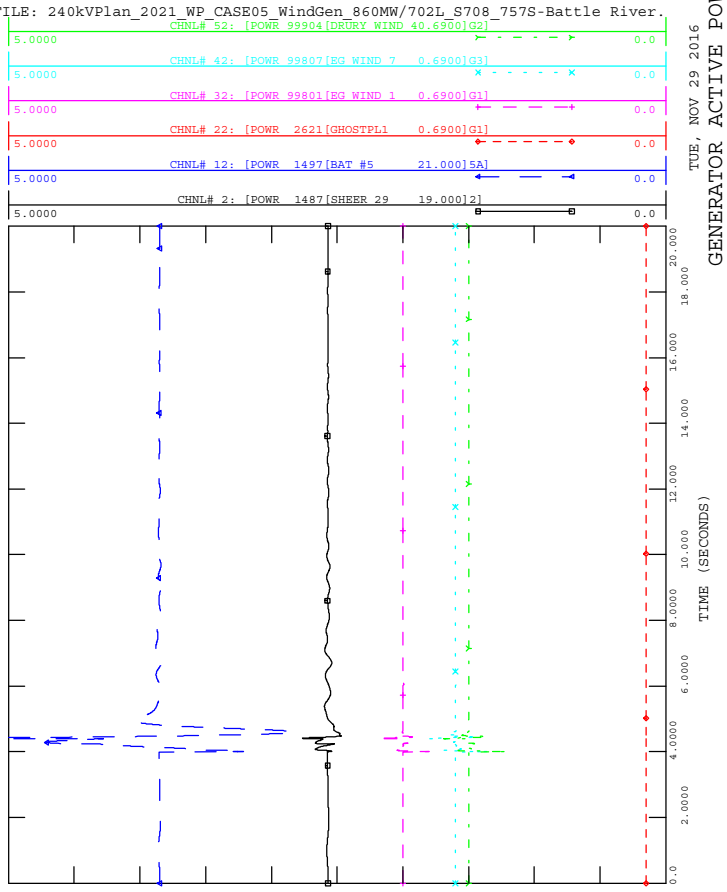
TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

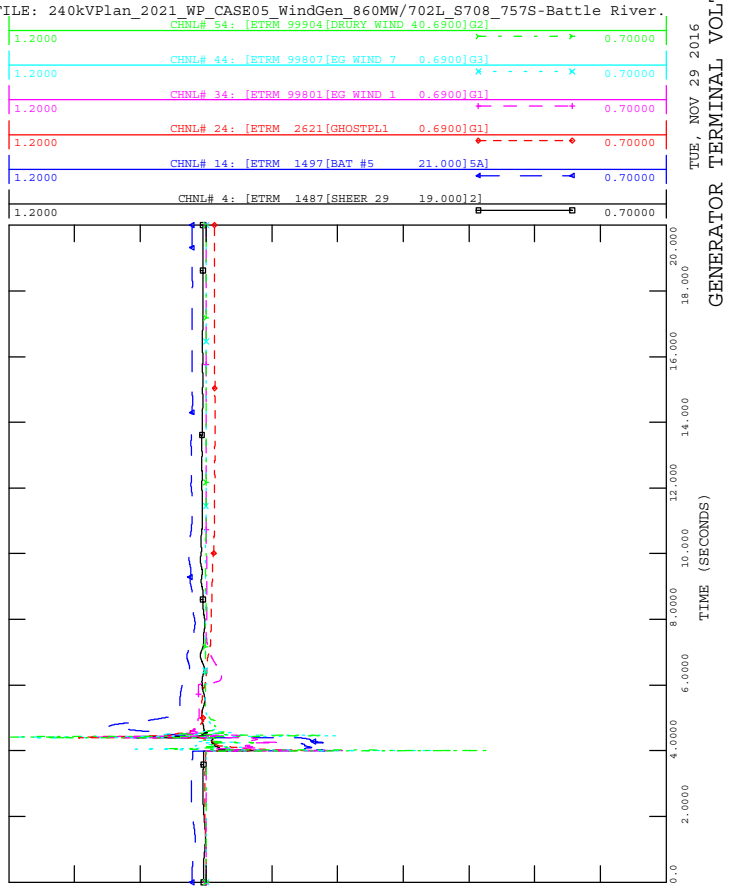
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_S708_757S-Battle River.



TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

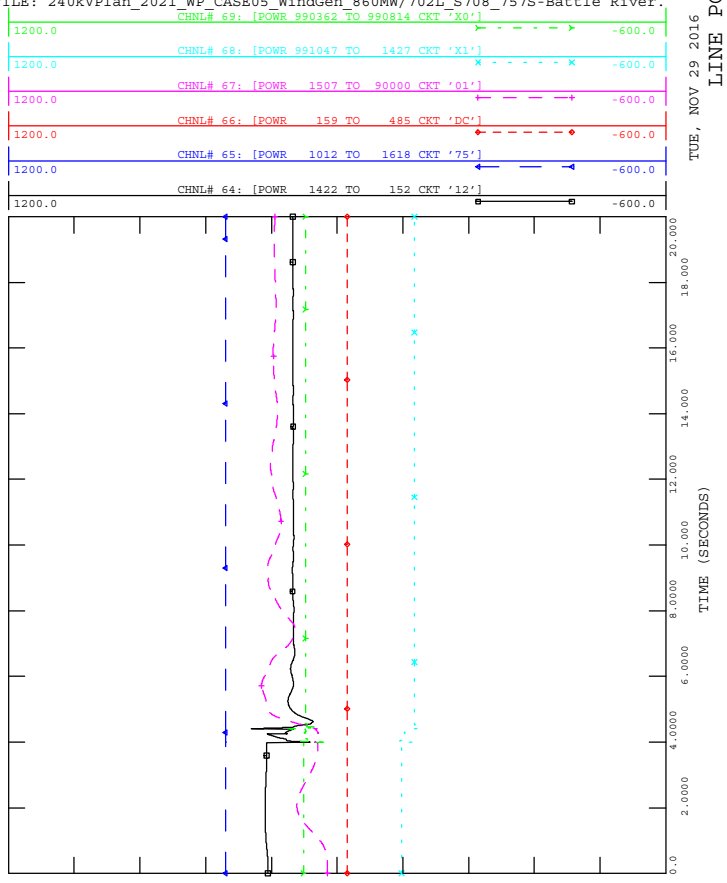
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_S708_757S-Battle River.



TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

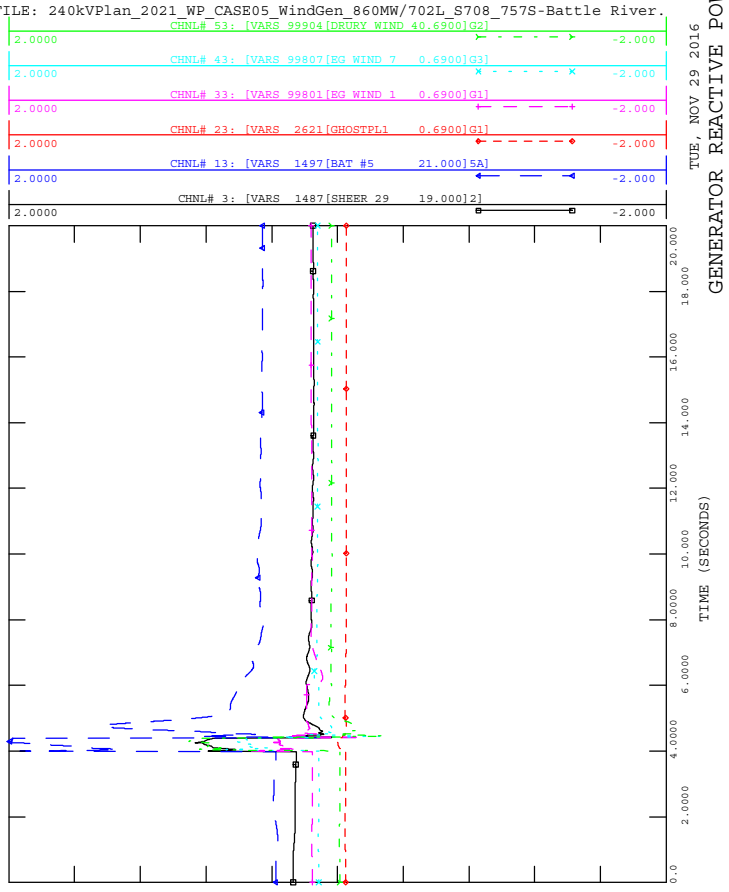
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_S708_757S-Battle River.



TUE, NOV 29 2016 9:10
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -702L_S708_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/702L_S708_757S-Battle River.



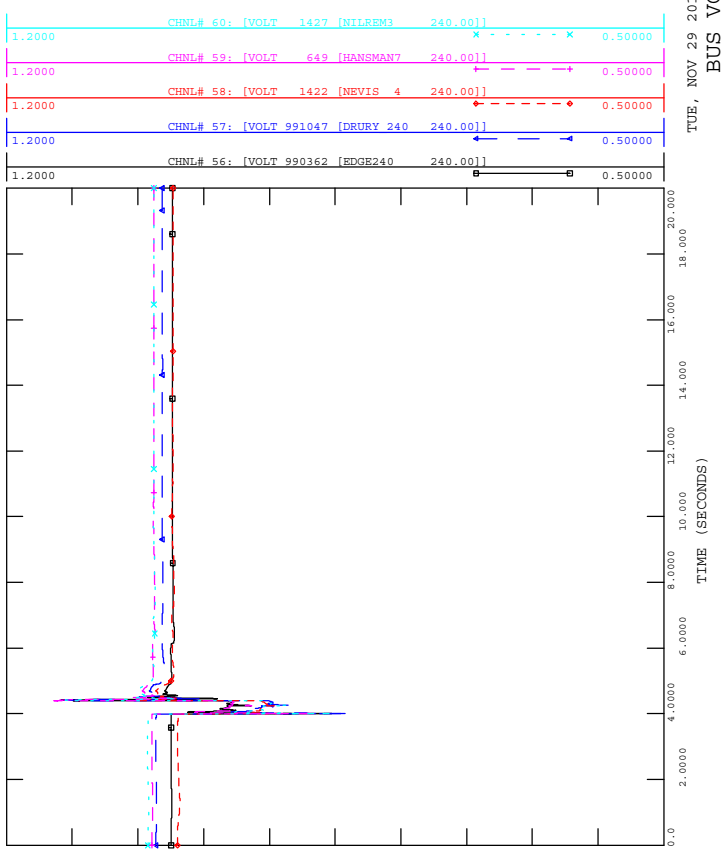
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_S709_757S-Battle River.

TUE, NOV 29 2016 9:10

BUS VOLTAGE

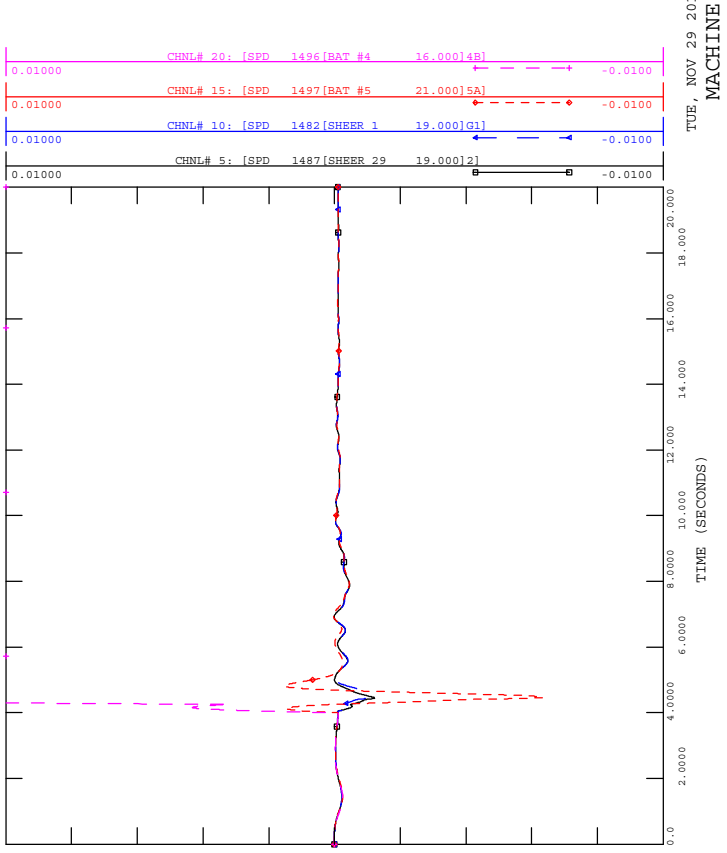


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_S709_757S-Battle River.

TUE, NOV 29 2016 9:10

MACHINE SPEED

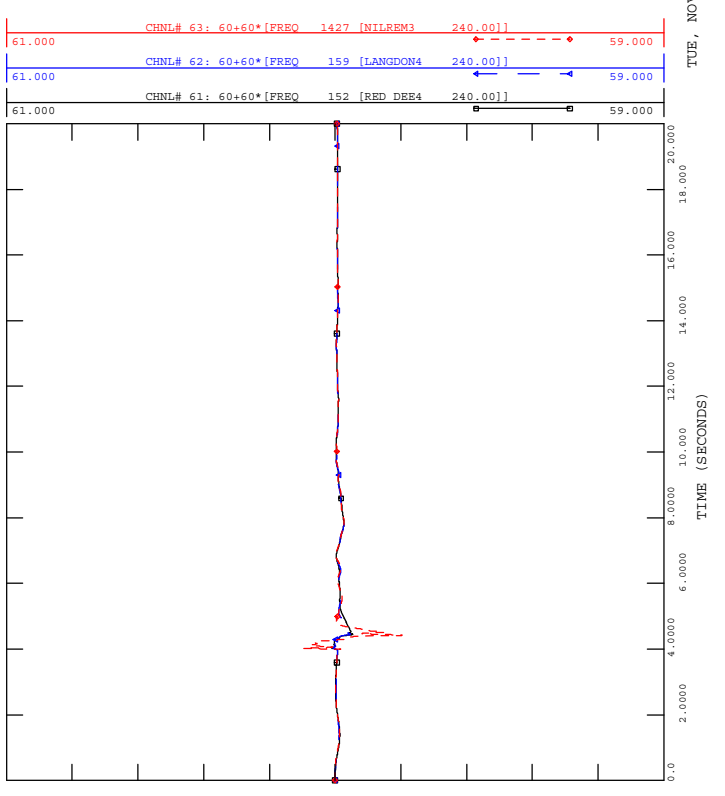


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_S709_757S-Battle River.

TUE, NOV 29 2016 9:10

FREQUENCY

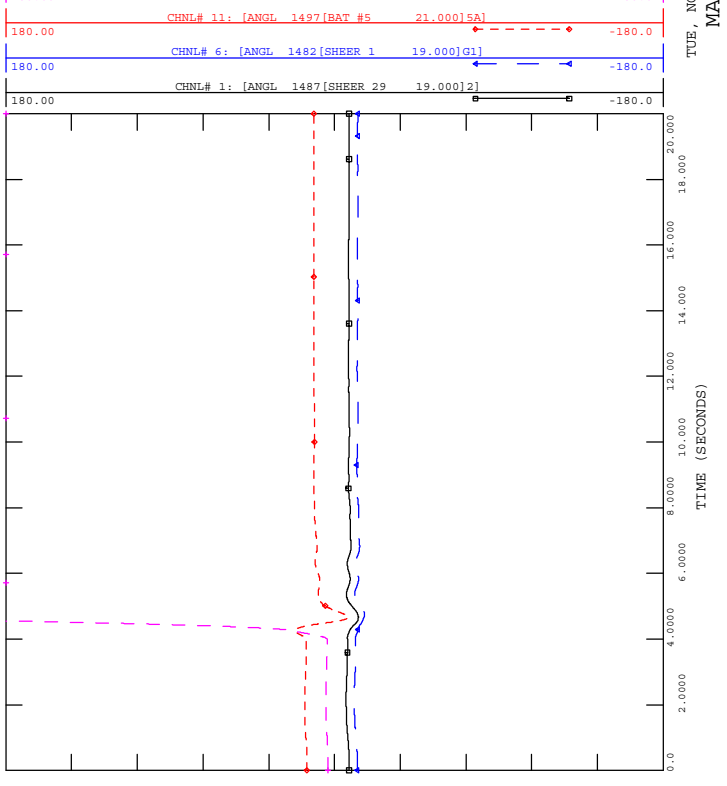


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_S709_757S-Battle River.

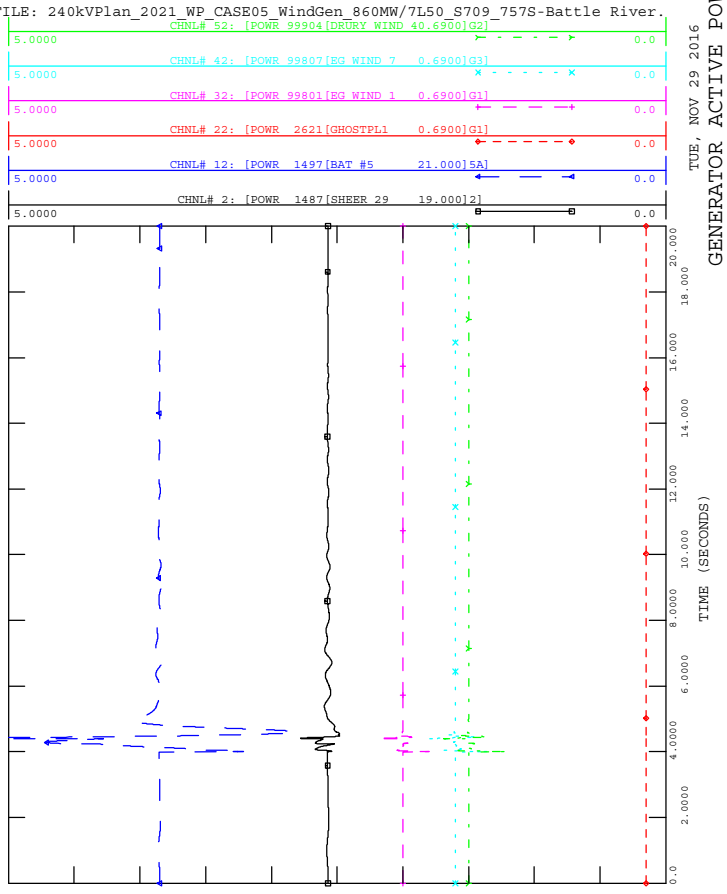
TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

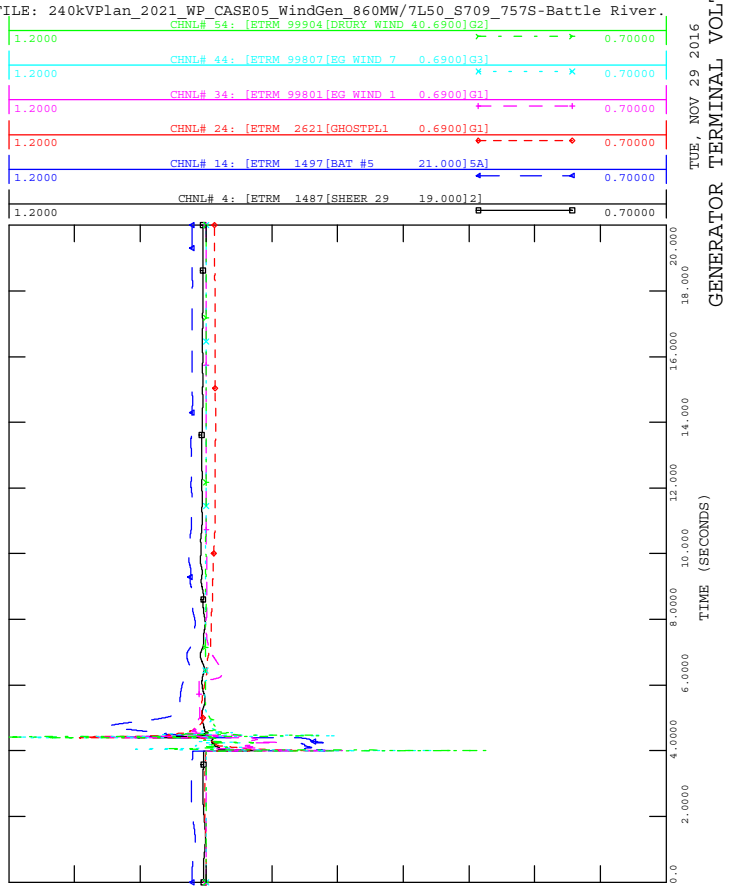
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_S709_757S-Battle River.



TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

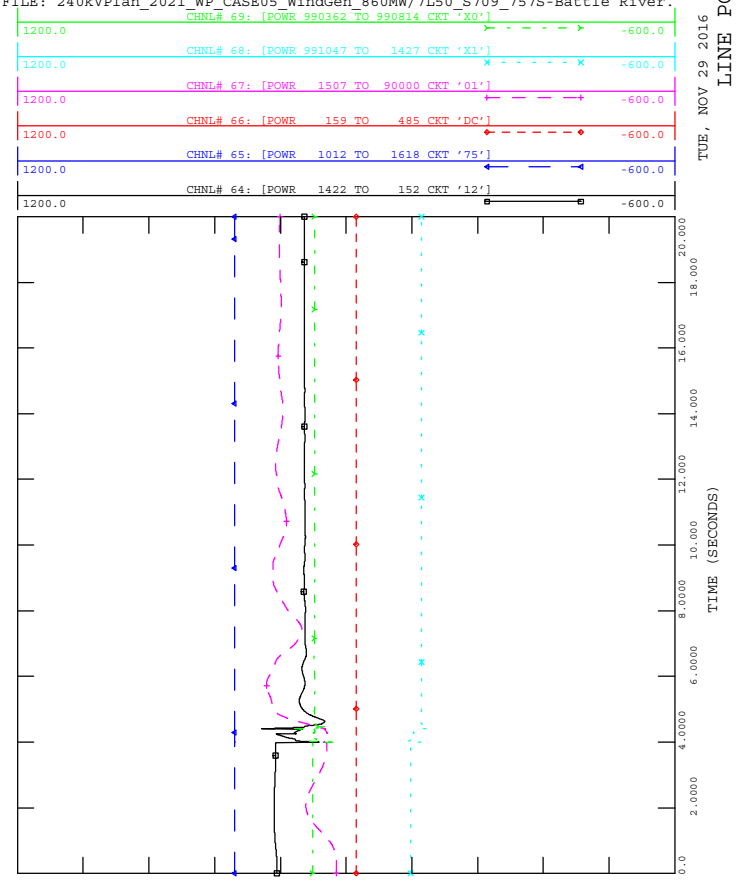
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_S709_757S-Battle River.



TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

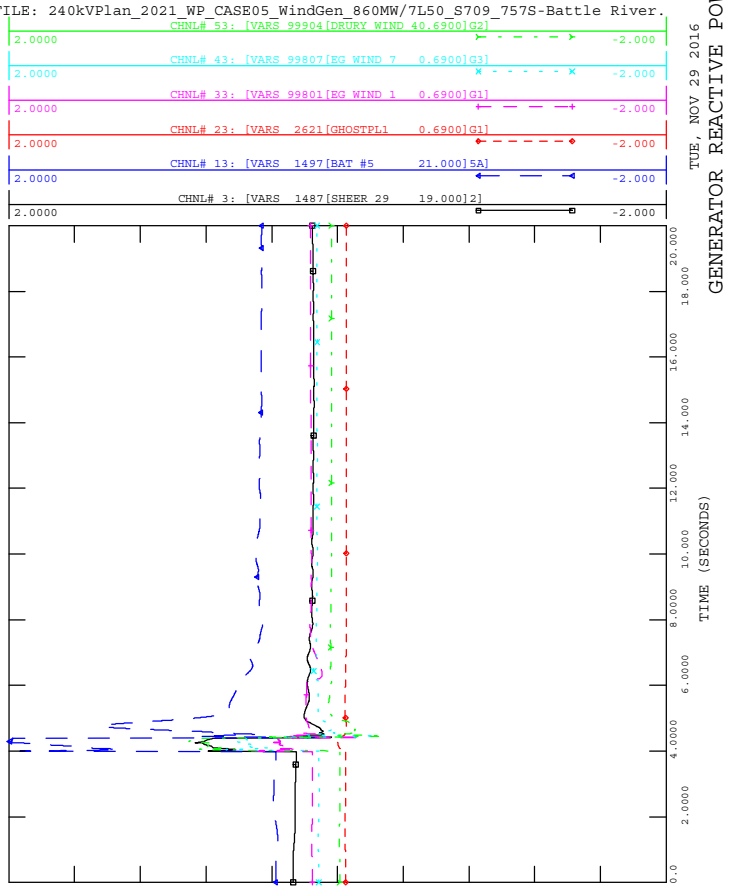
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_S709_757S-Battle River.



TUE, NOV 29 2016 9:10
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L50_S709_757S-BATTLE RIVER

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L50_S709_757S-Battle River.



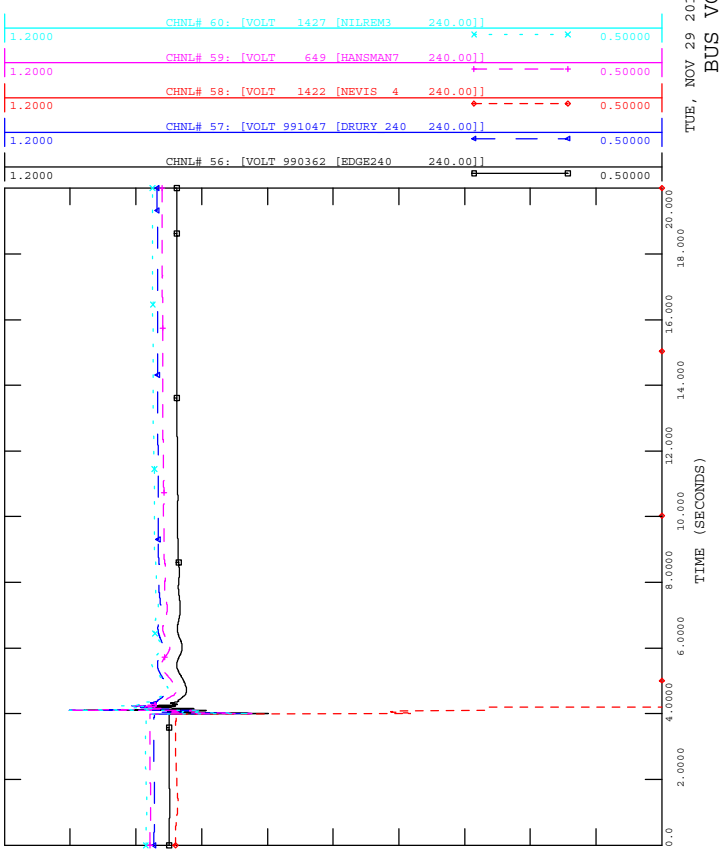
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_766S-Nevis.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

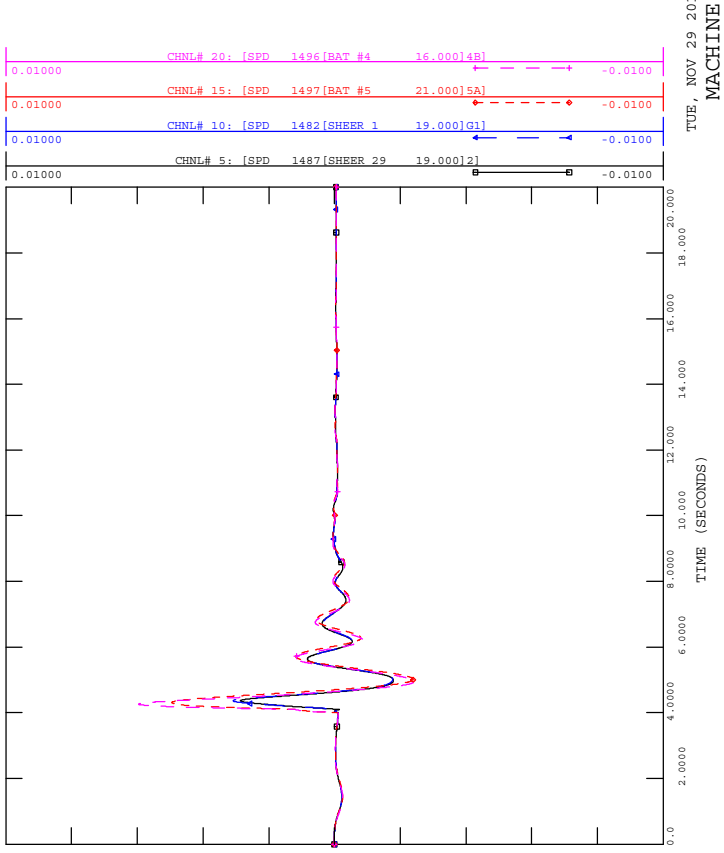


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_766S-Nevis.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

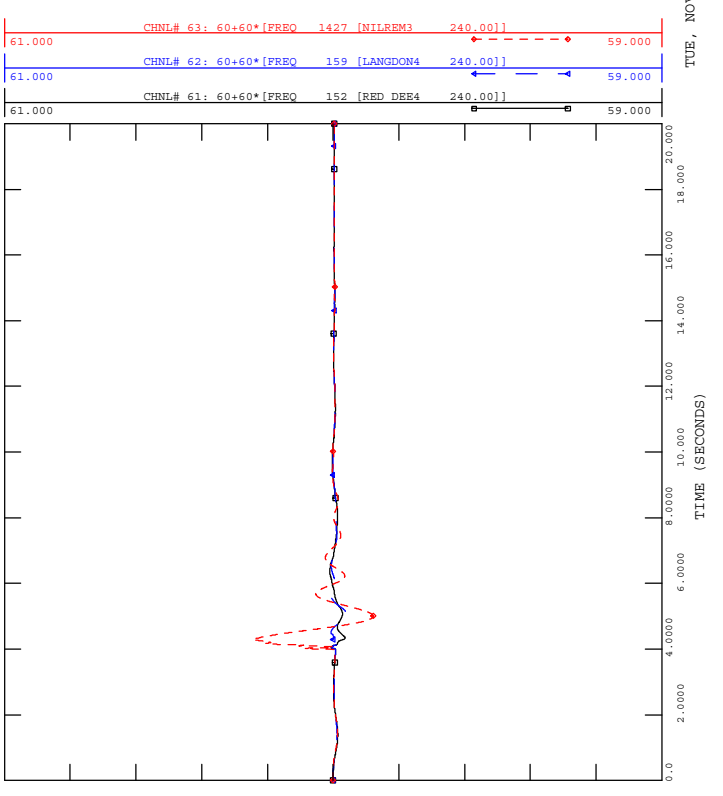


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_766S-Nevis.out

TUE, NOV 29 2016 9:10

FREQUENCY

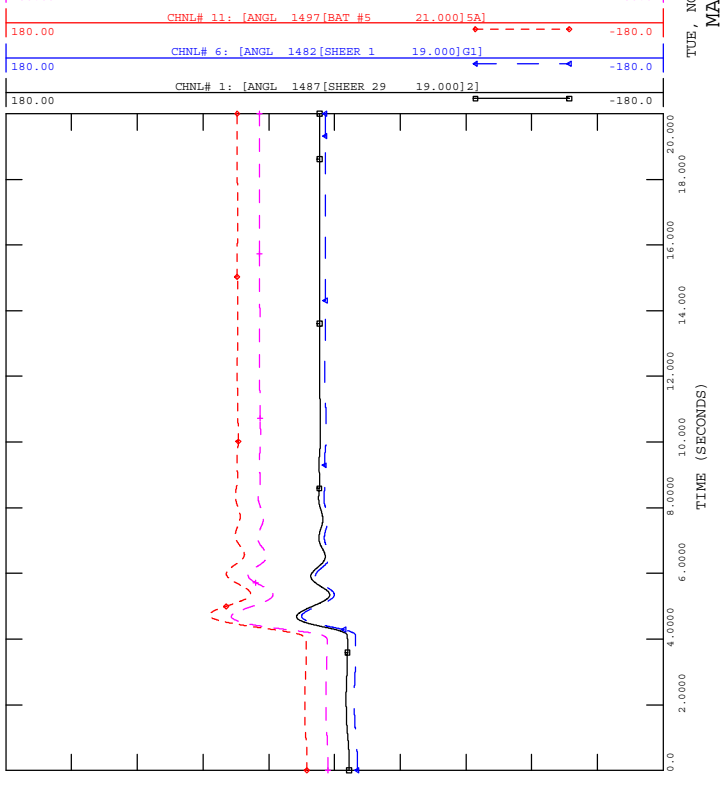


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_766S-Nevis.out

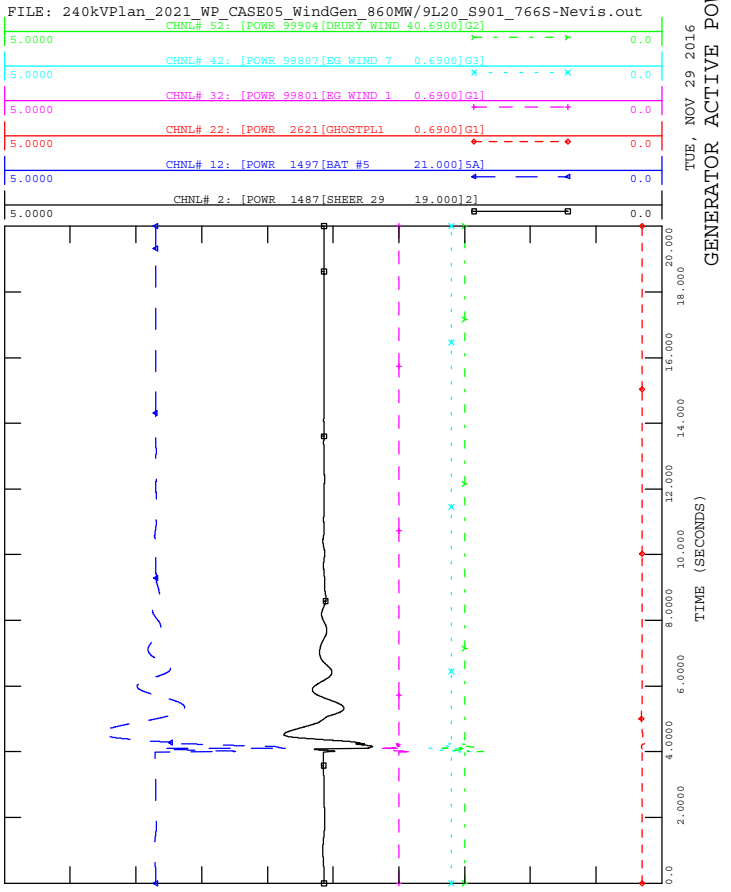
TUE, NOV 29 2016 9:10

MACHINE ANGEL



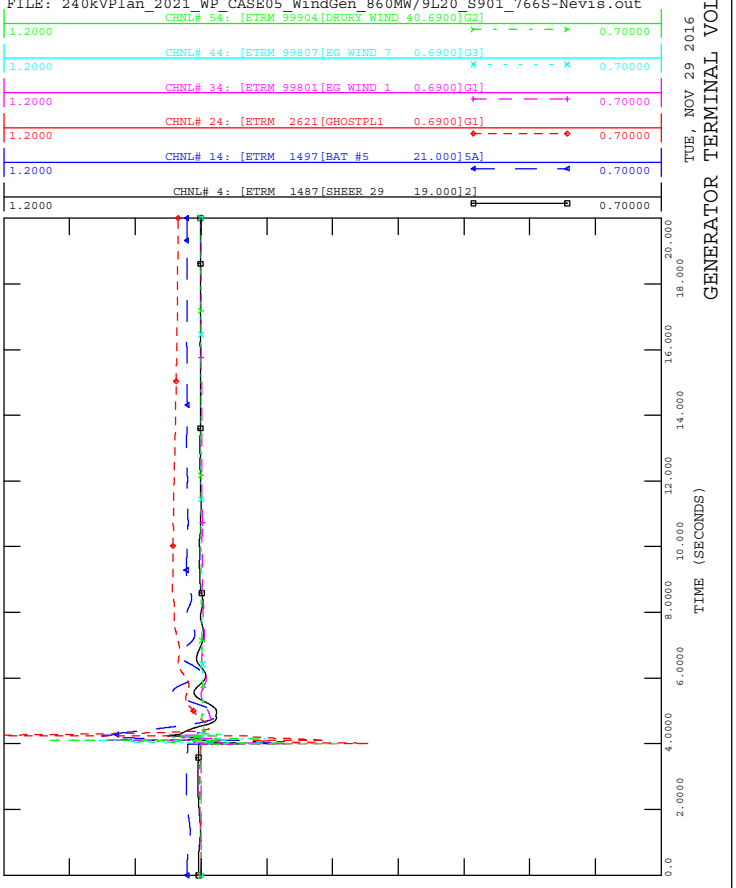
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_766S-Nevis.out



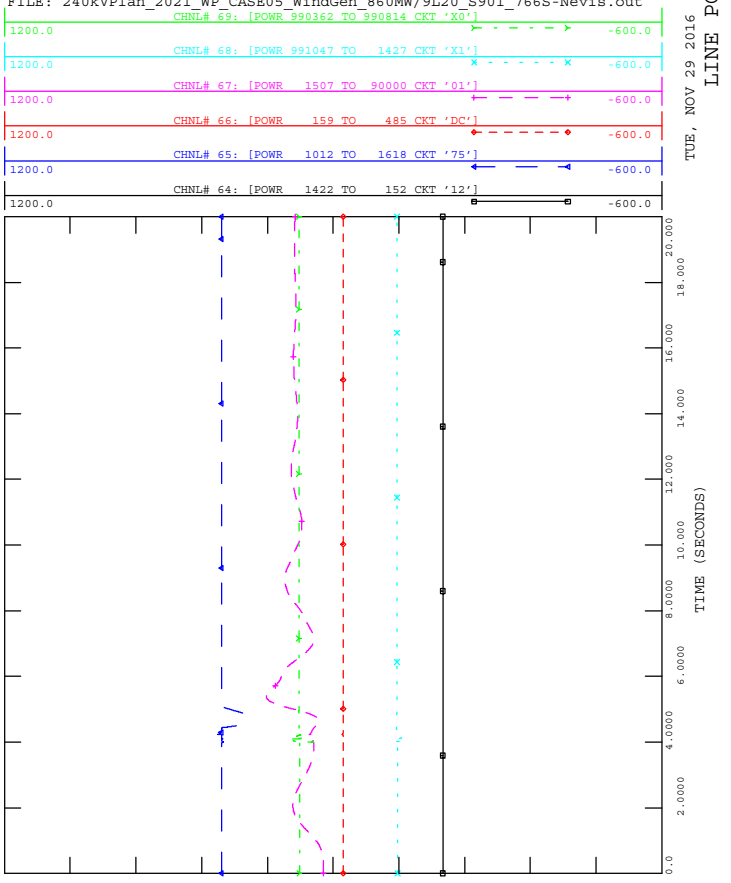
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_766S-Nevis.out



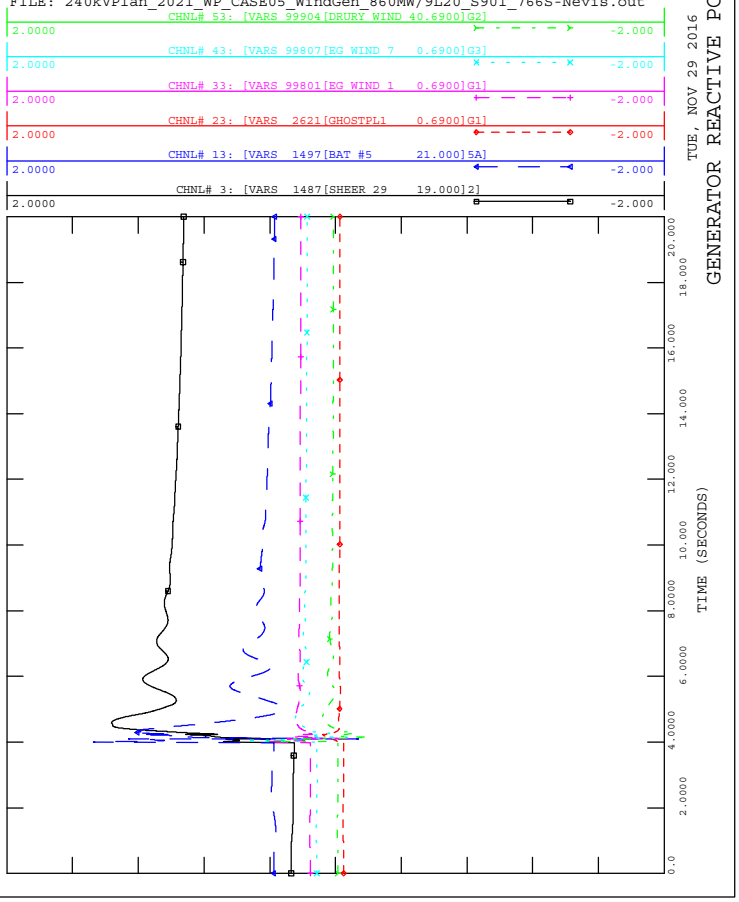
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_766S-Nevis.out



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L20_S901_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L20_S901_766S-Nevis.out

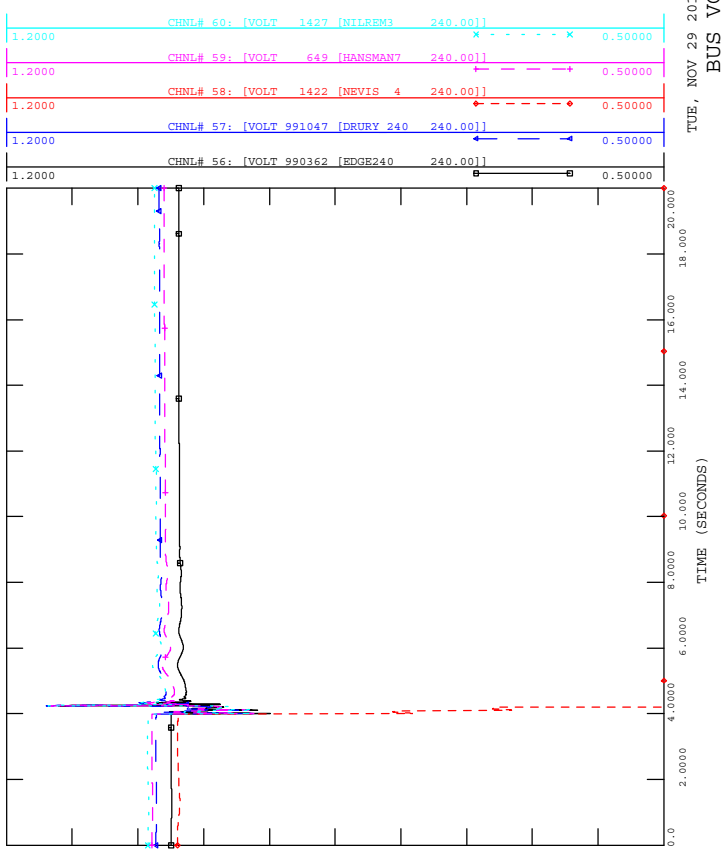


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L912_S902_766S-Nevis.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

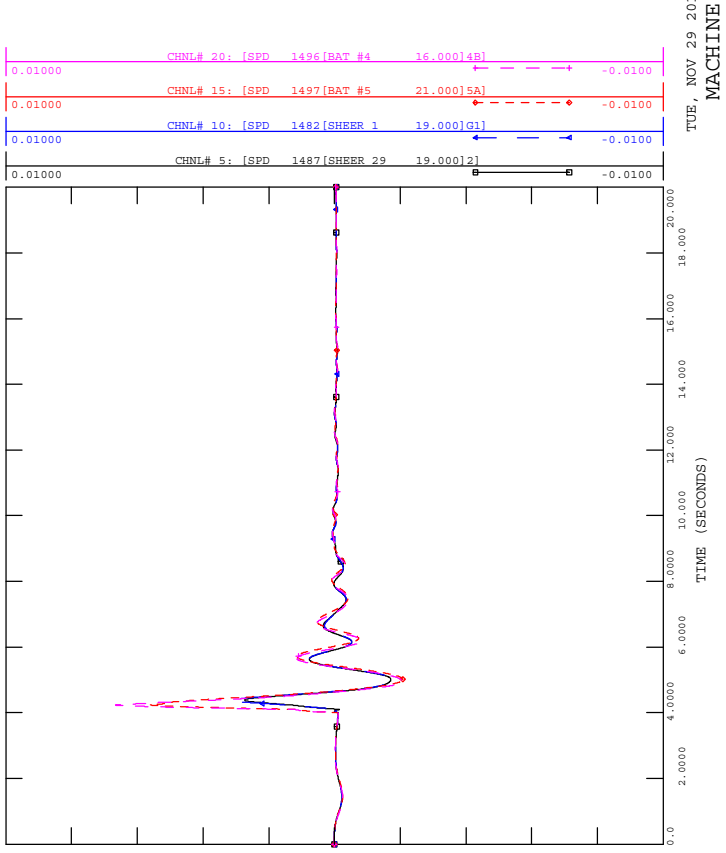


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L912_S902_766S-Nevis.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

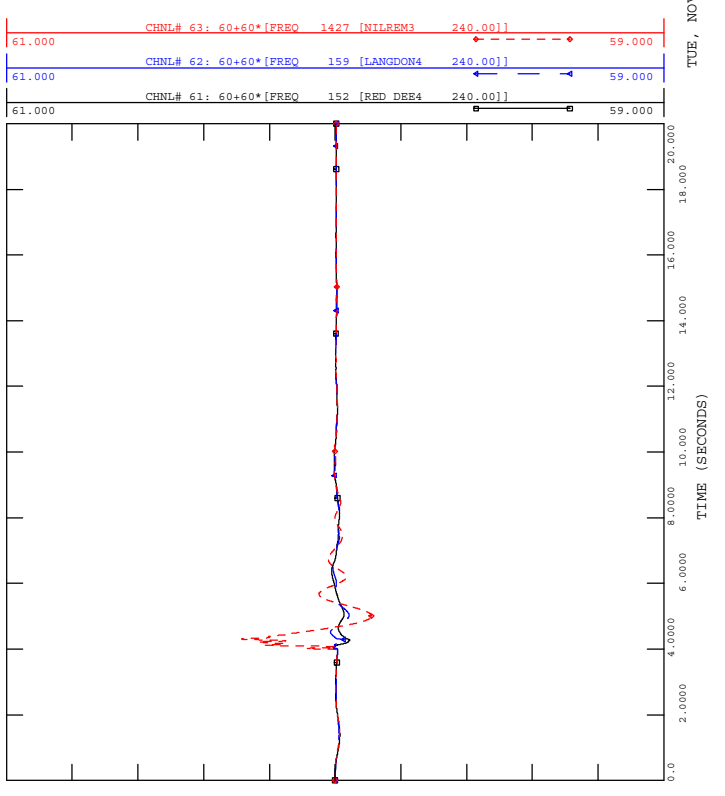


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L912_S902_766S-Nevis.out

TUE, NOV 29 2016 9:10

FREQUENCY

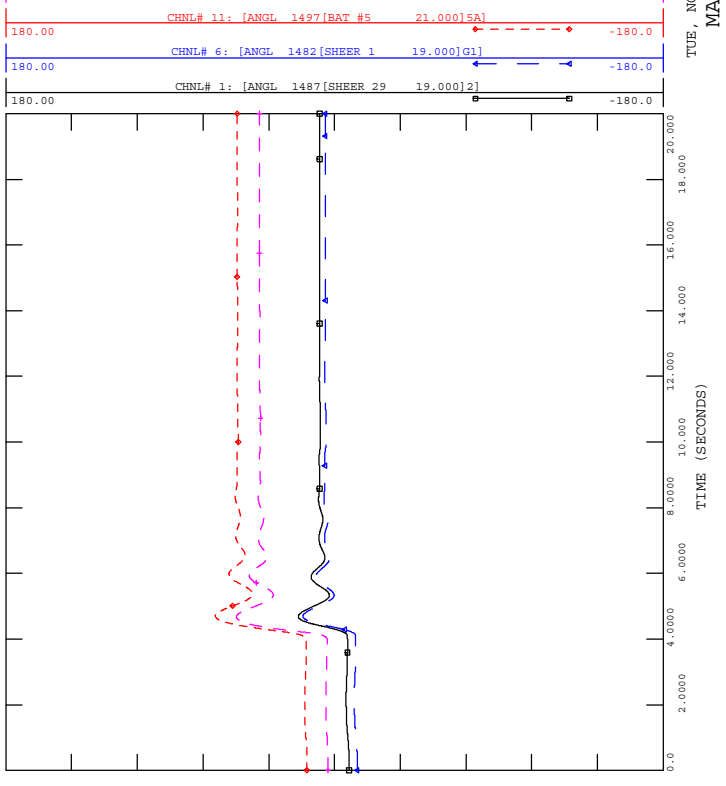


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L912_S902_766S-Nevis.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L912_S902_766S-Nevis.out

TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L912_S902_766S-Nevis.out

TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L912_S902_766S-Nevis.out

TUE, NOV 29 2016 9:10

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L912_S902_766S-NEVIS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L912_S902_766S-Nevis.out

TUE, NOV 29 2016 9:10

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

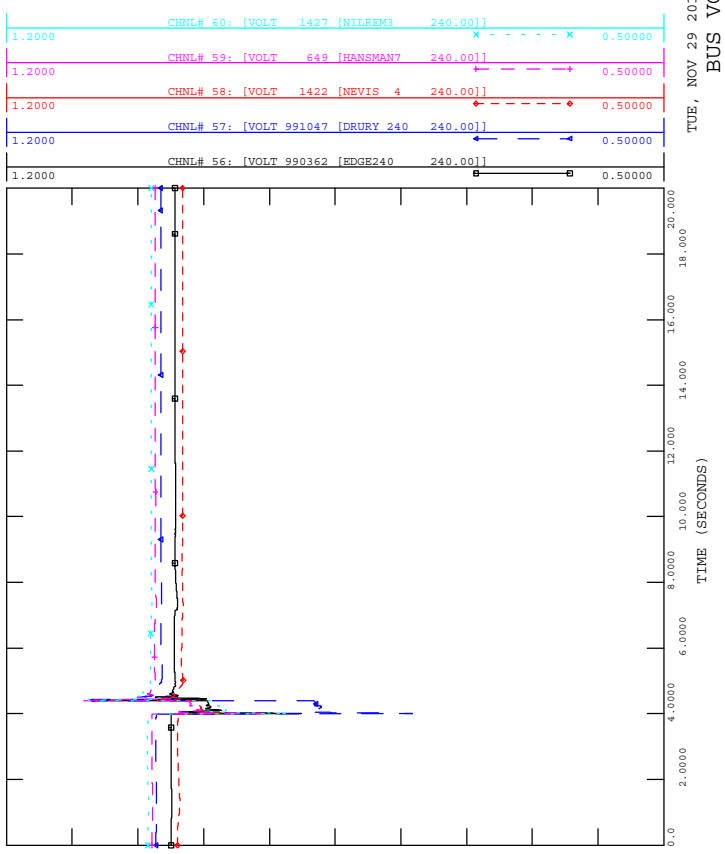
0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_S704_710S-Vermillion.o

TUE, NOV 29 2016 9:10

BUS VOLTAGE

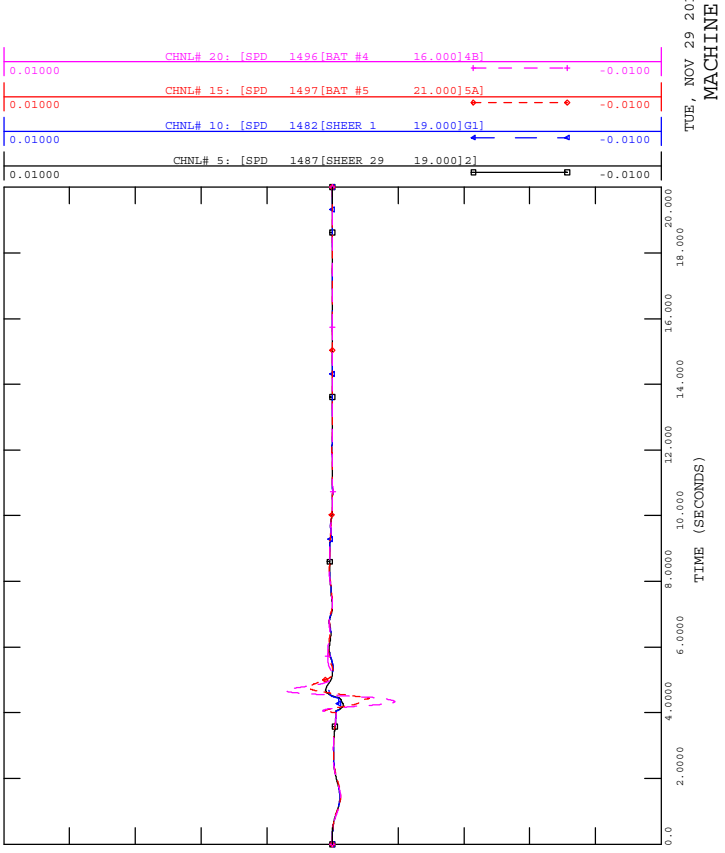


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_S704_710S-Vermillion.o

TUE, NOV 29 2016 9:10

MACHINE SPEED

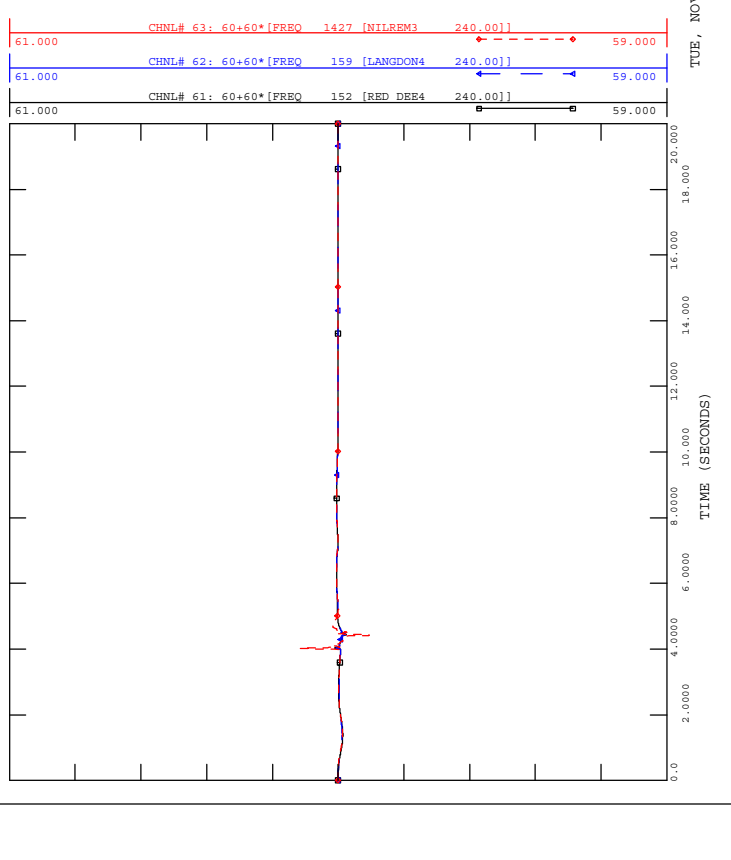


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_S704_710S-Vermillion.o

TUE, NOV 29 2016 9:10

FREQUENCY

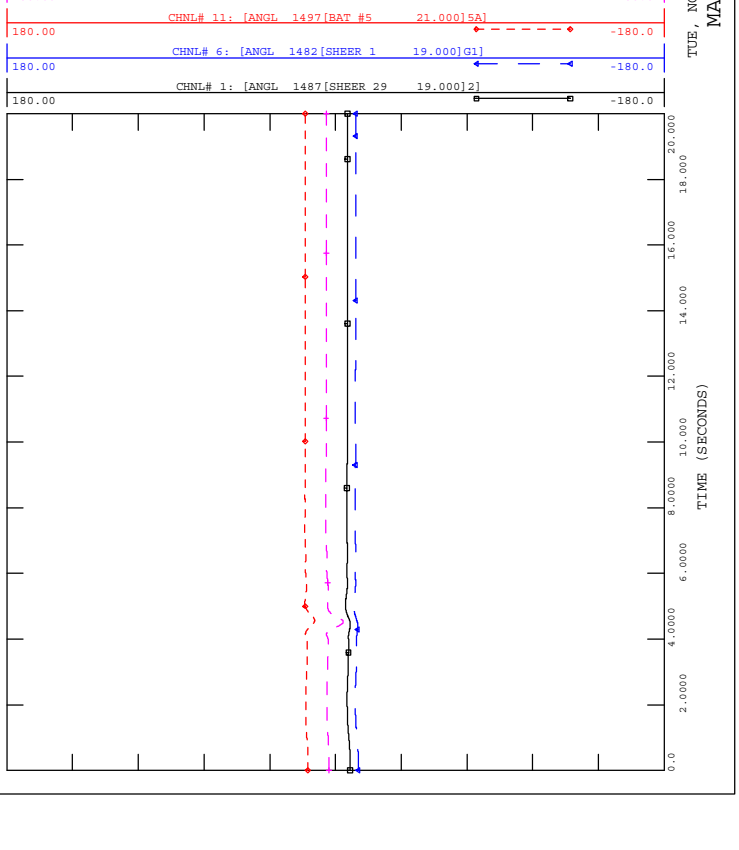


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_S704_710S-Vermillion.o

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_S704_710S-Vermillion.o

TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2] 5.0000 0.0
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3] 5.0000 0.0
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1] 5.0000 0.0
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1] 5.0000 0.0
CHNL# 12: [POWR 1497[BAT #5 21.000]5A] 5.0000 0.0
CHNL# 2: [POWR 1487[SHEER 29 19.000]2] 5.0000 0.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_S704_710S-Vermillion.o

TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2] 1.2000 0.70000
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3] 1.2000 0.70000
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1] 1.2000 0.70000
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1] 1.2000 0.70000
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A] 1.2000 0.70000
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2] 1.2000 0.70000

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_S704_710S-Vermillion.o

TUE, NOV 29 2016 9:10

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0'] 1200.0 -600.0
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1'] 1200.0 -600.0
CHNL# 67: [POWR 1507 TO 90000 CKT '01'] 1200.0 -600.0
CHNL# 66: [POWR 159 TO 485 CKT 'DC'] 1200.0 -600.0
CHNL# 65: [POWR 1012 TO 1618 CKT '75'] 1200.0 -600.0
CHNL# 64: [POWR 1422 TO 152 CKT '12'] 1200.0 -600.0

TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L129_S704_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L129_S704_710S-Vermillion.o

TUE, NOV 29 2016 9:10

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2] 2.0000 -2.000
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3] 2.0000 -2.000
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1] 2.0000 -2.000
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1] 2.0000 -2.000
CHNL# 13: [VARS 1497[BAT #5 21.000]5A] 2.0000 -2.000
CHNL# 3: [VARS 1487[SHEER 29 19.000]2] 2.0000 -2.000

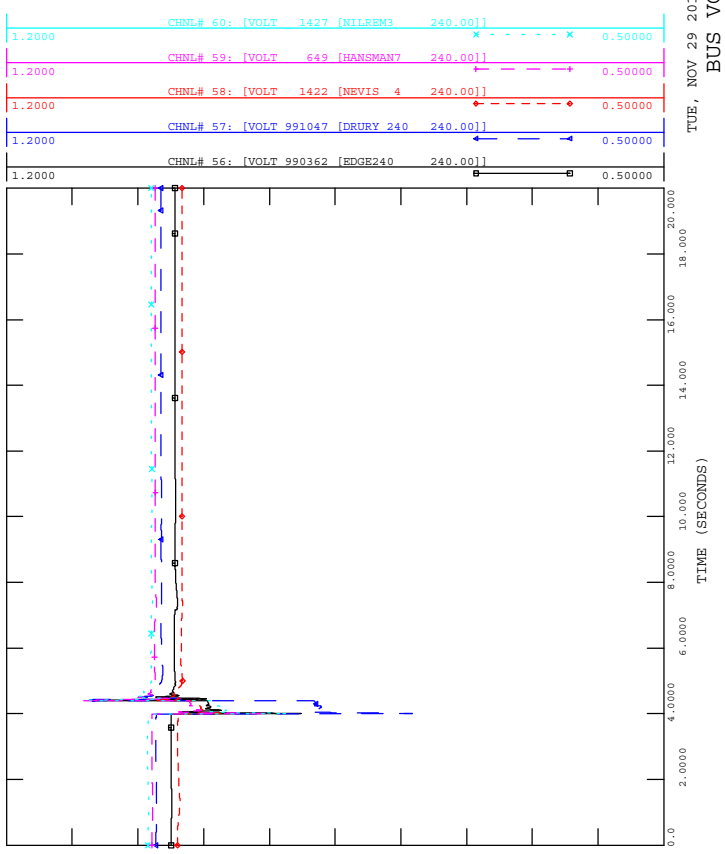
TIME (SECONDS) 0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_S703_710S-Vermillion.o

TUE, NOV 29 2016 9:10

BUS VOLTAGE

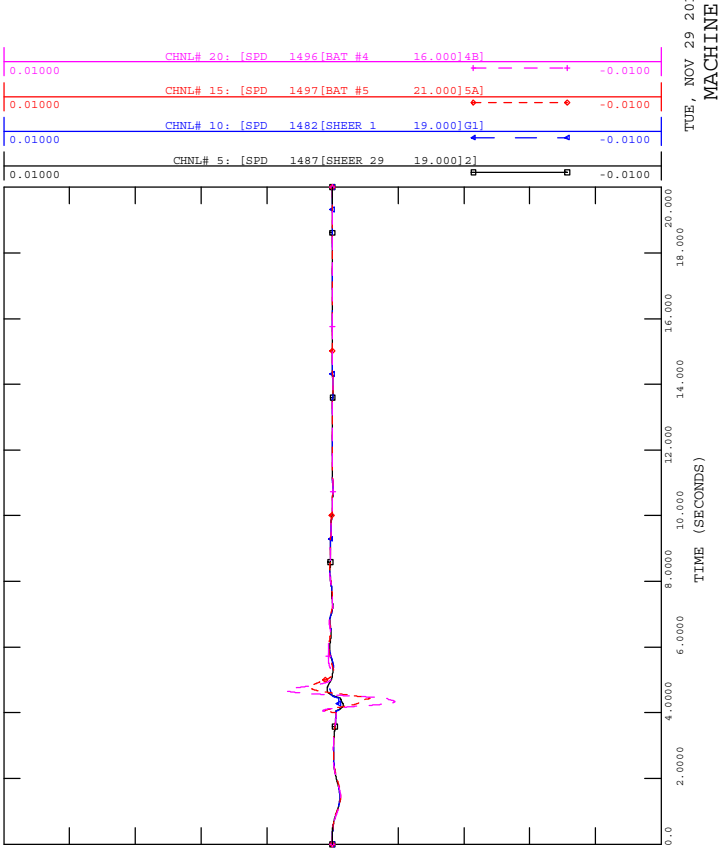


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_S703_710S-Vermillion.o

TUE, NOV 29 2016 9:10

MACHINE SPEED

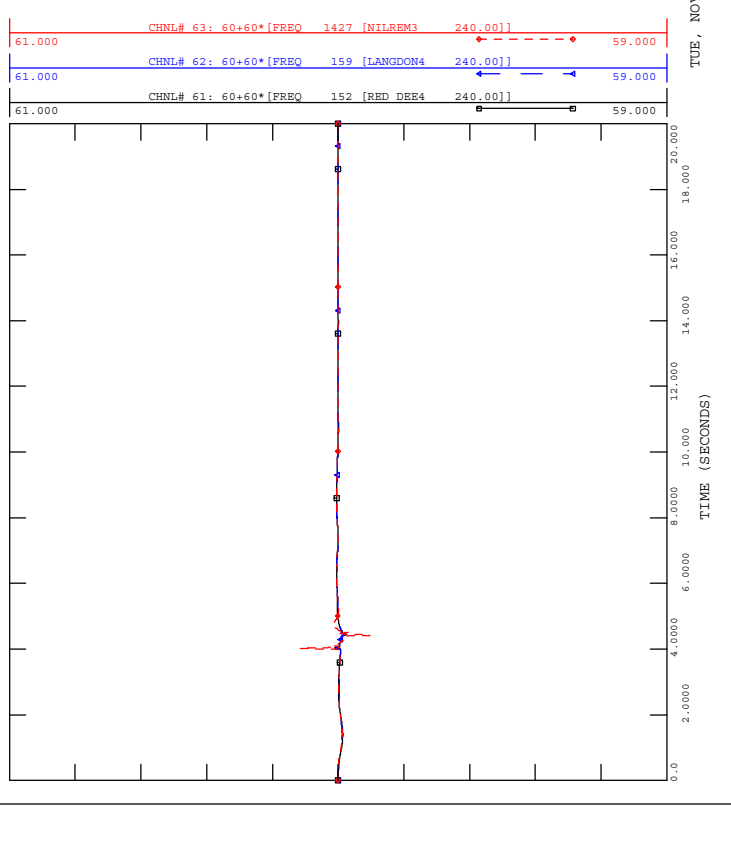


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_S703_710S-Vermillion.o

TUE, NOV 29 2016 9:10

FREQUENCY

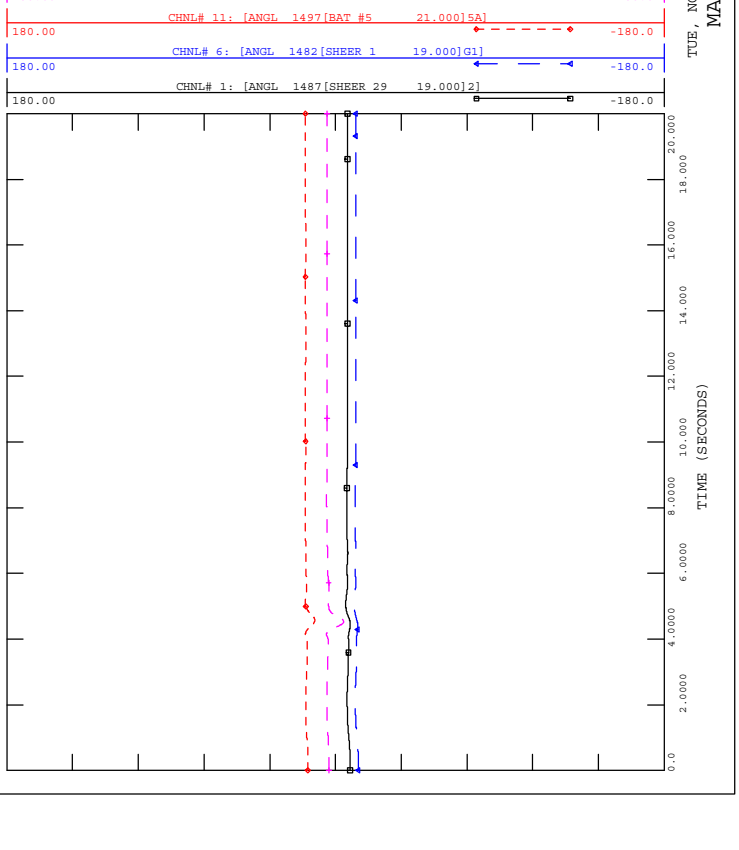


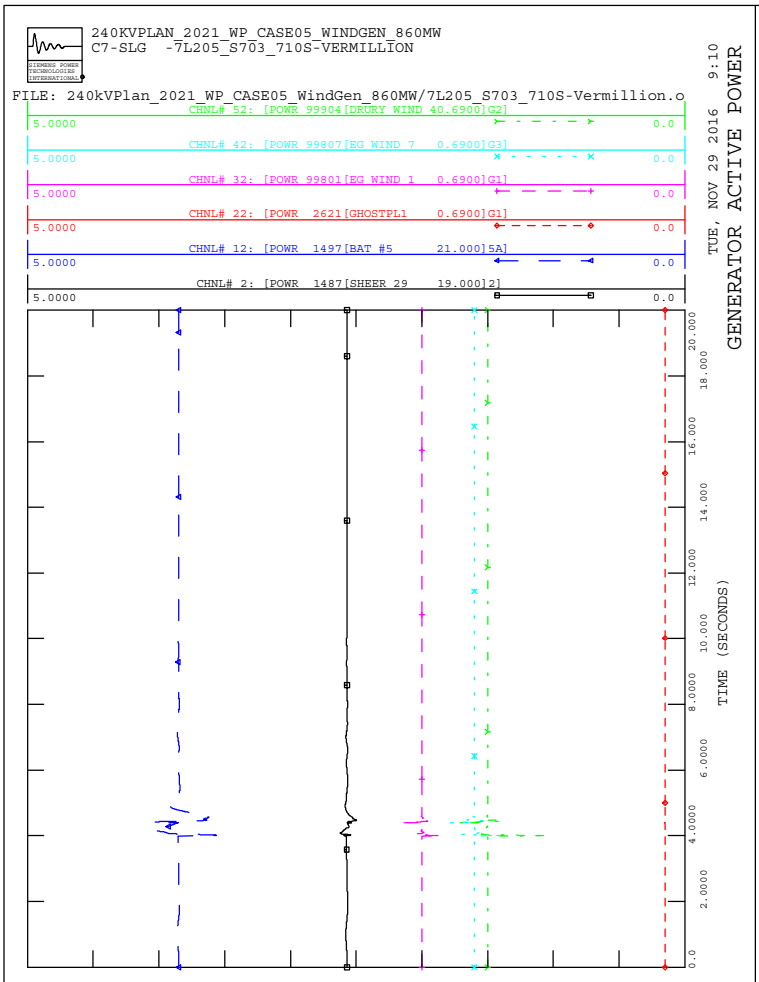
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION

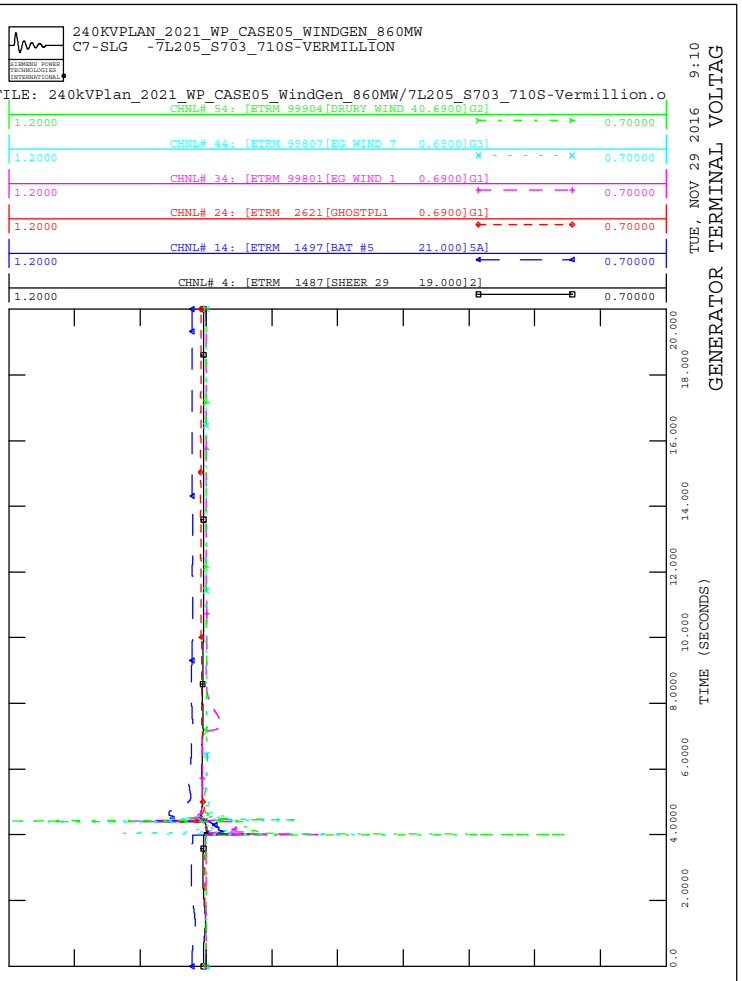
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_S703_710S-Vermillion.o

TUE, NOV 29 2016 9:10

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_S703_710S-Vermillion.o
9:10 TUE, NOV 29 2016
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_S703_710S-Vermillion.o
9:10 TUE, NOV 29 2016
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
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2.0000
4.0000
6.0000
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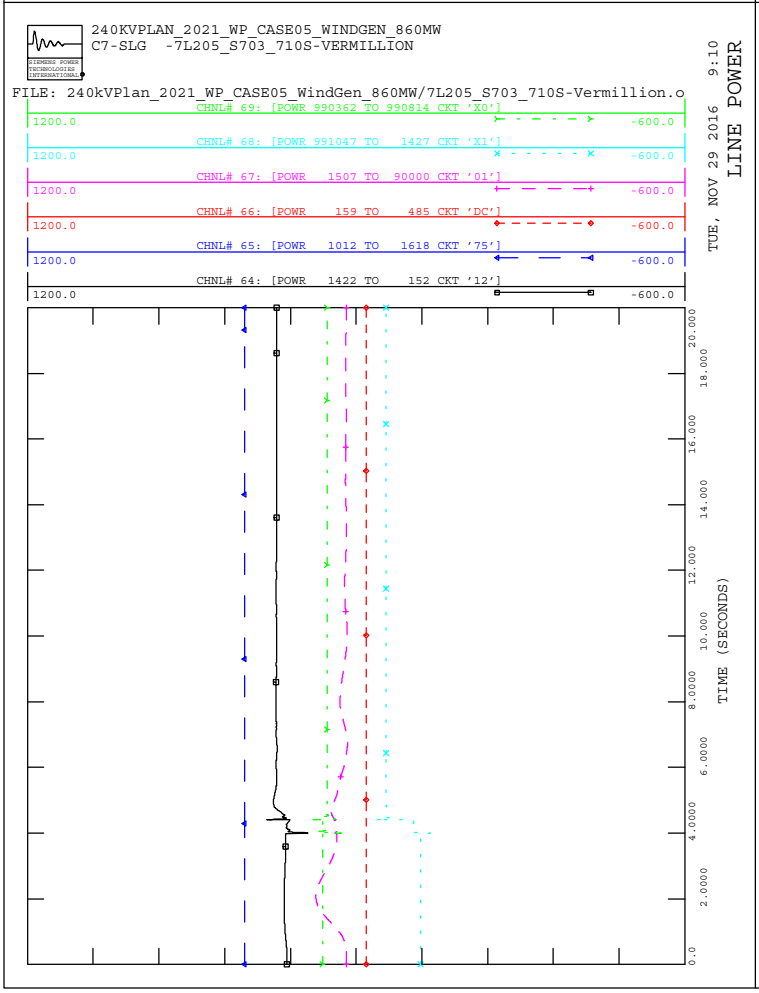
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_S703_710S-Vermillion.o
9:10 TUE, NOV 29 2016
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
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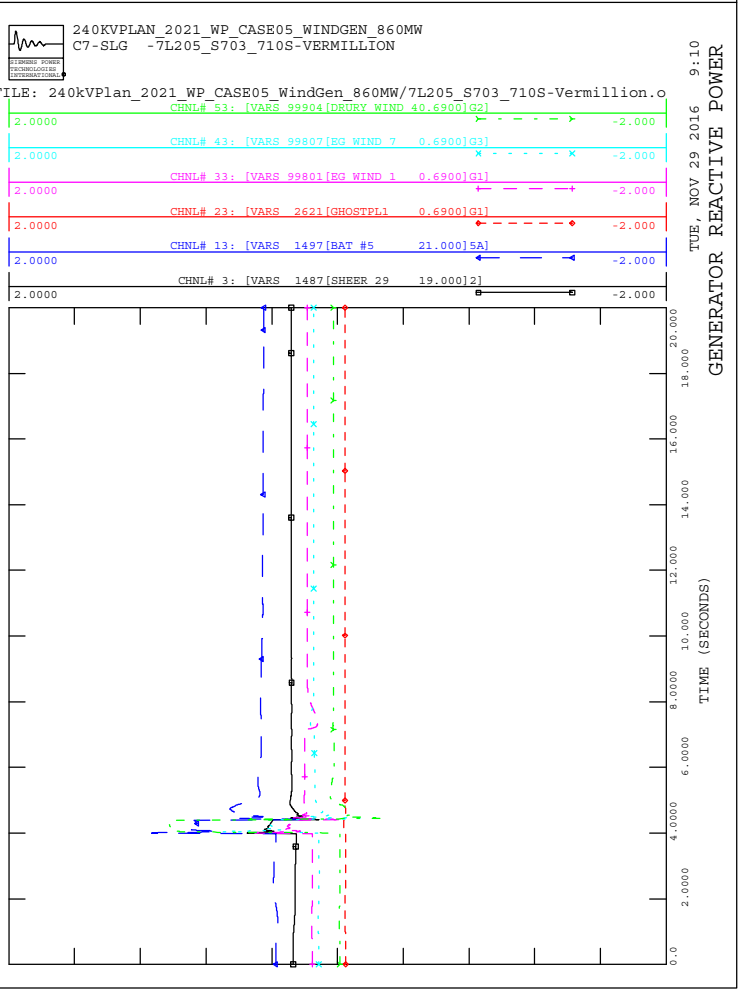
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_S703_710S-VERMILLION
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_S703_710S-Vermillion.o
9:10 TUE, NOV 29 2016
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
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8.0000
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12.000
14.000
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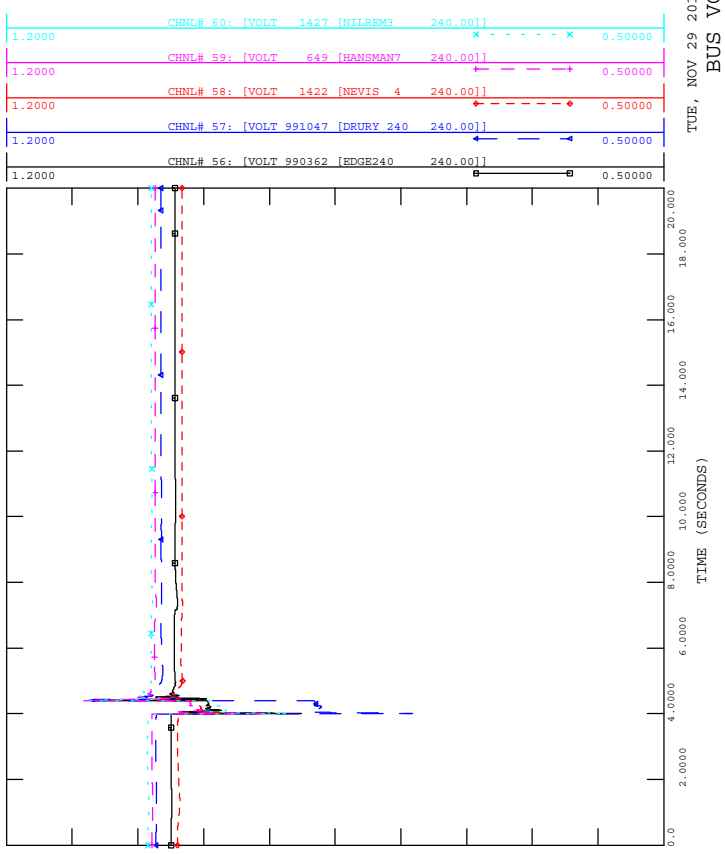
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_S701_710S-Vermillion.o

TUE, NOV 29 2016 9:10

BUS VOLTAGE

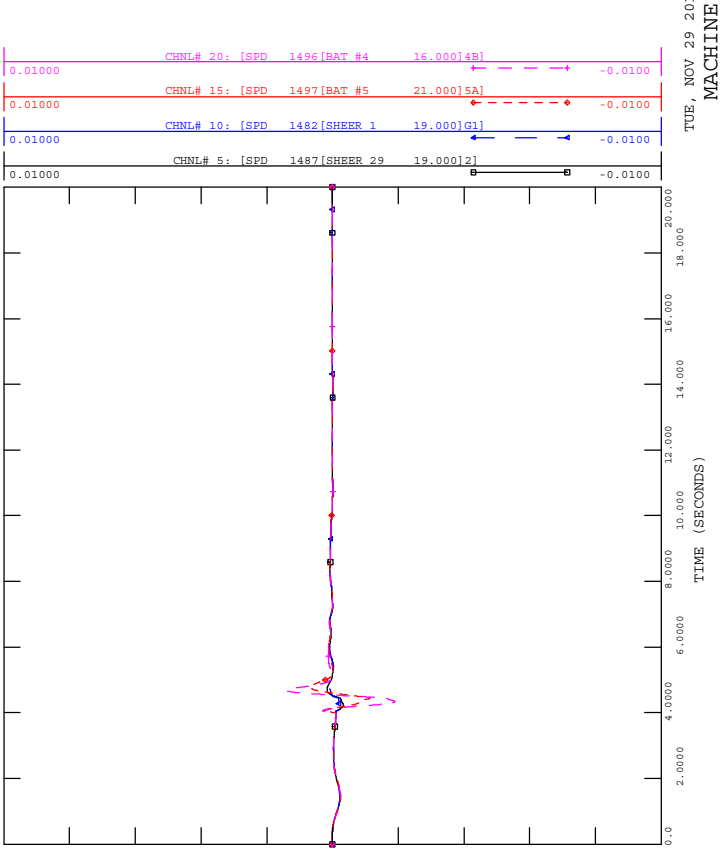


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_S701_710S-Vermillion.o

TUE, NOV 29 2016 9:10

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION

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TUE, NOV 29 2016 9:10

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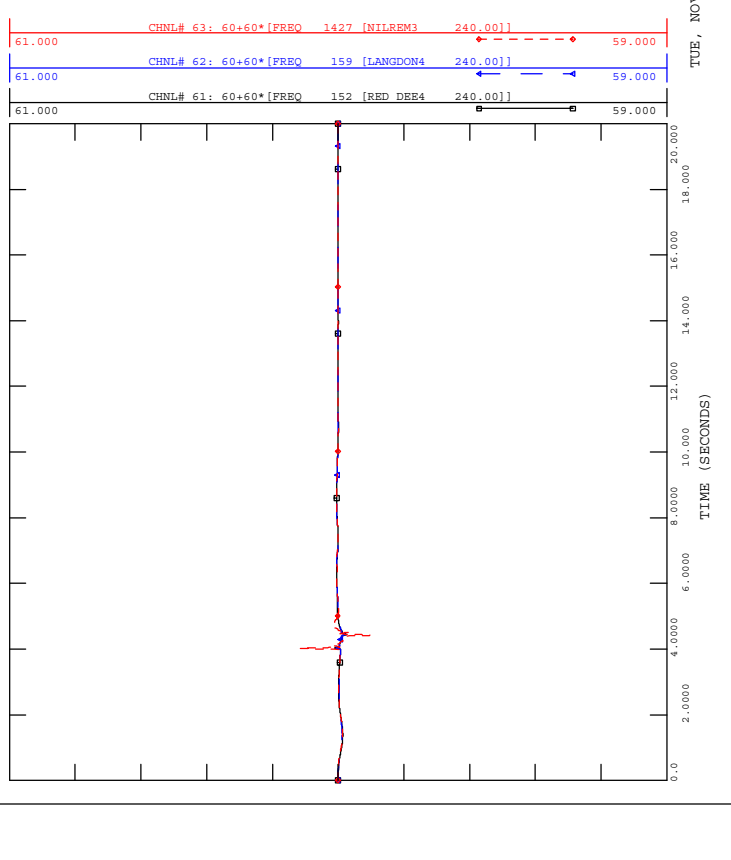
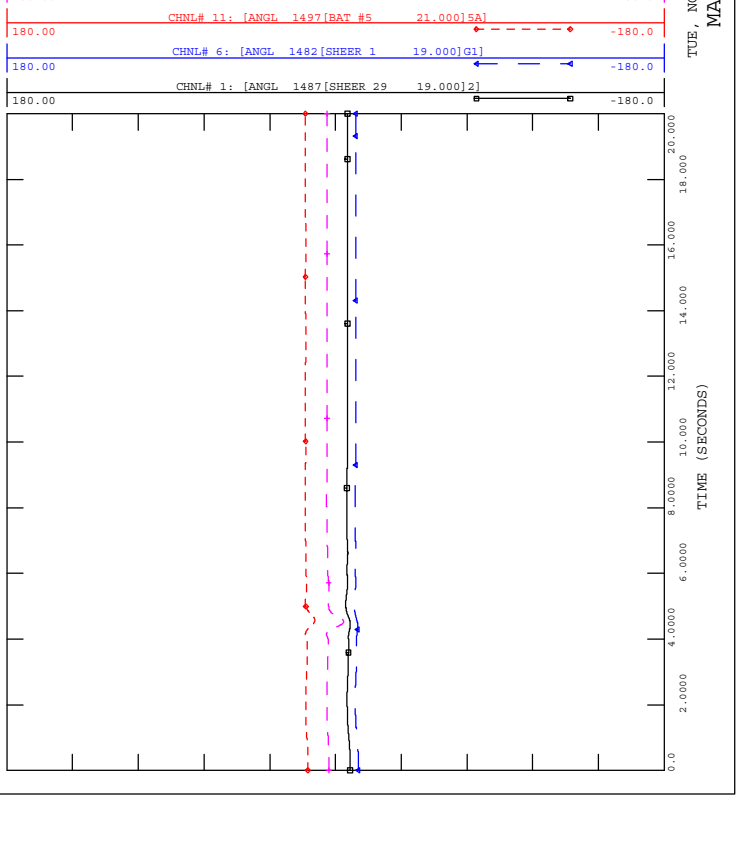


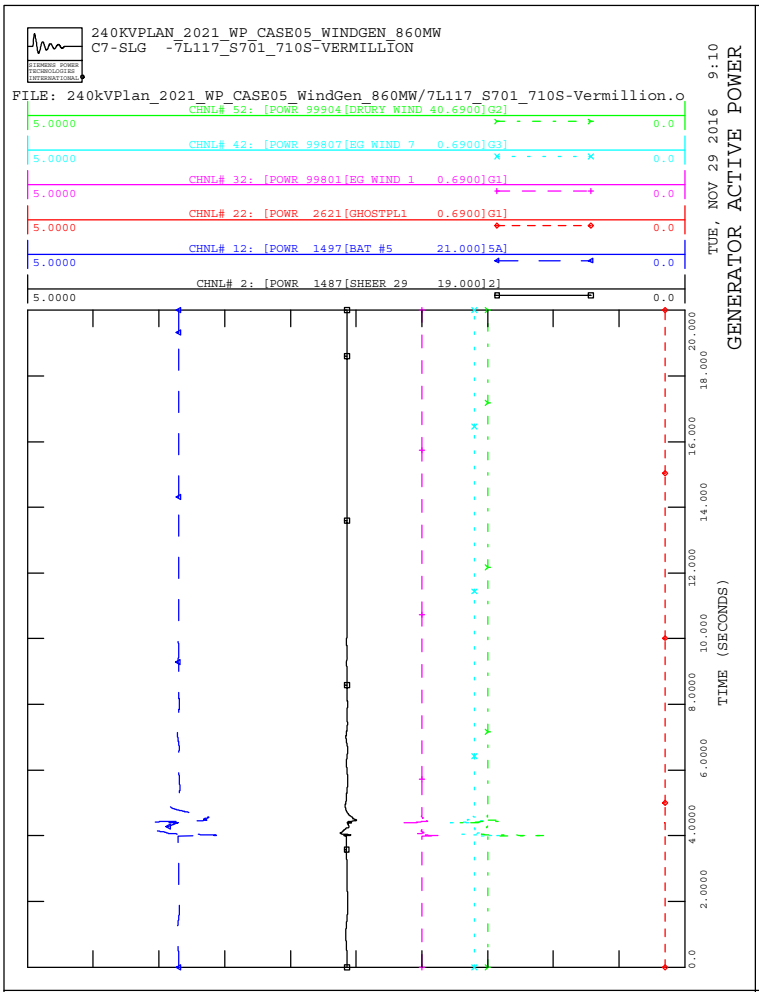
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_S701_710S-Vermillion.o

TUE, NOV 29 2016 9:10

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_S701_710S-Vermillion.o
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
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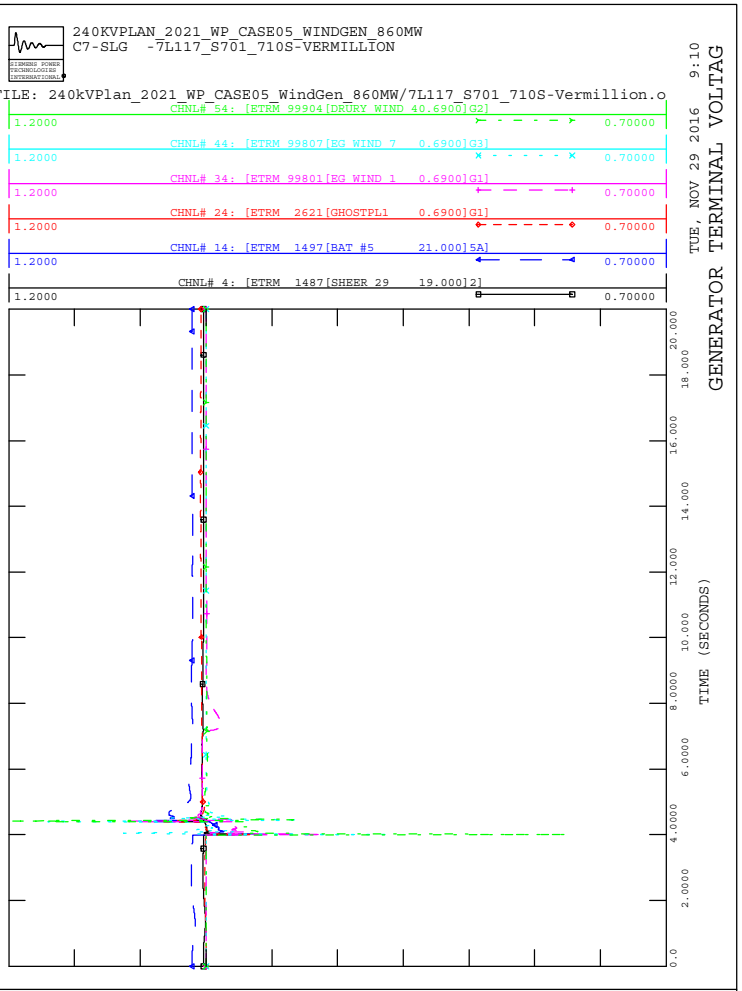
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_S701_710S-Vermillion.o
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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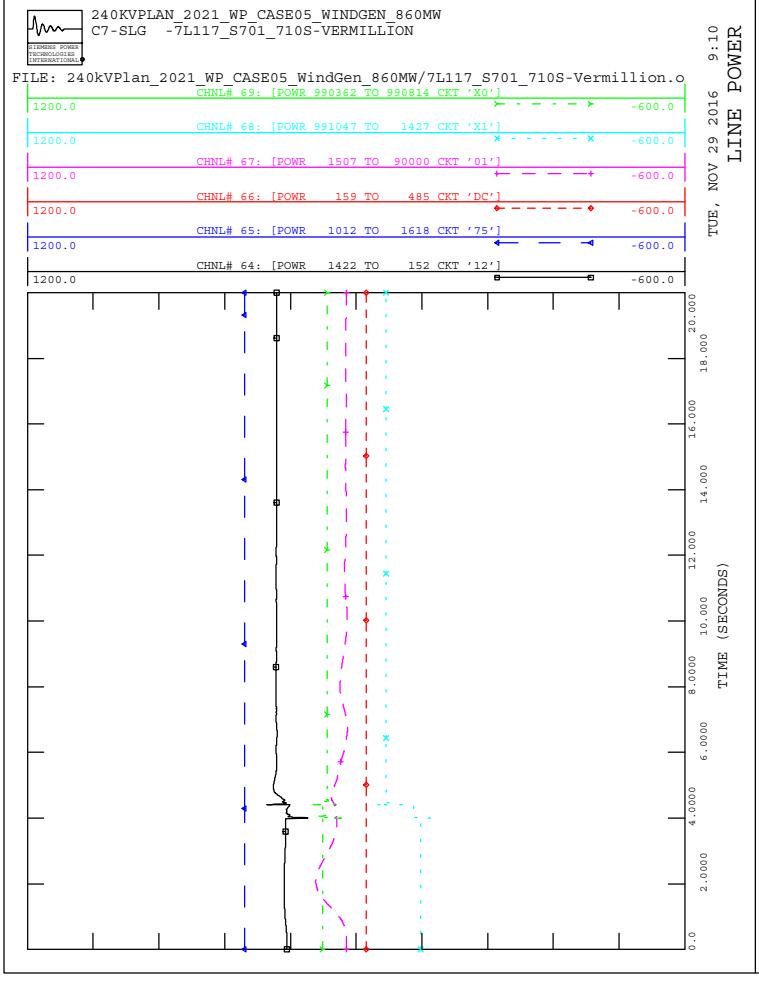
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_S701_710S-Vermillion.o
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)
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2.0000
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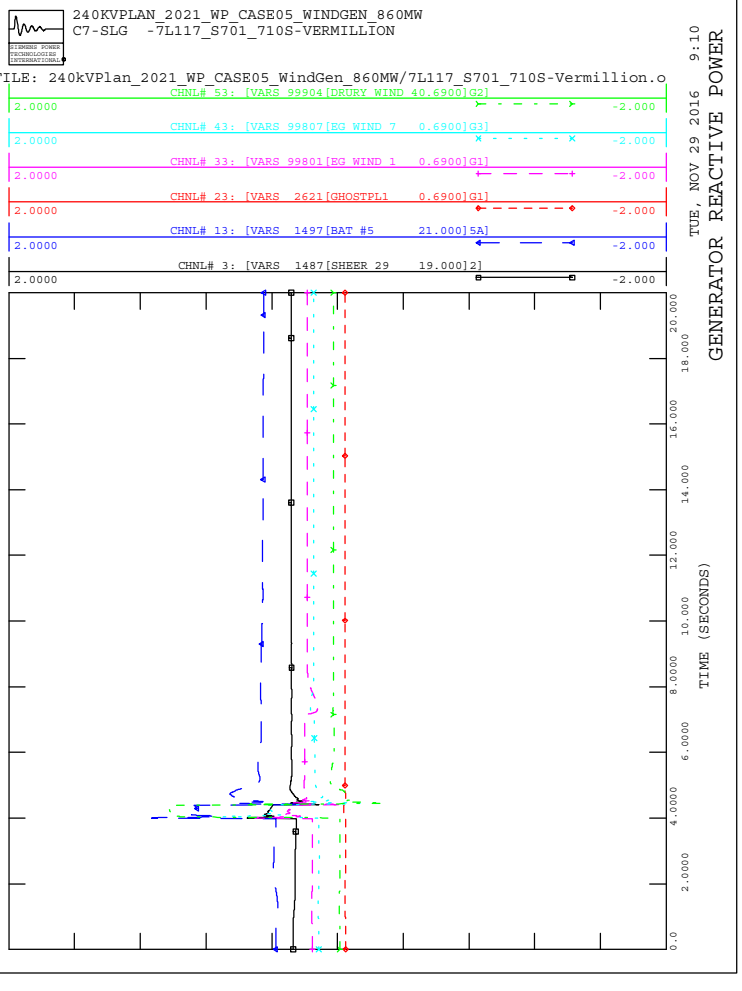
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L117_S701_710S-VERMILLION
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L117_S701_710S-Vermillion.o
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
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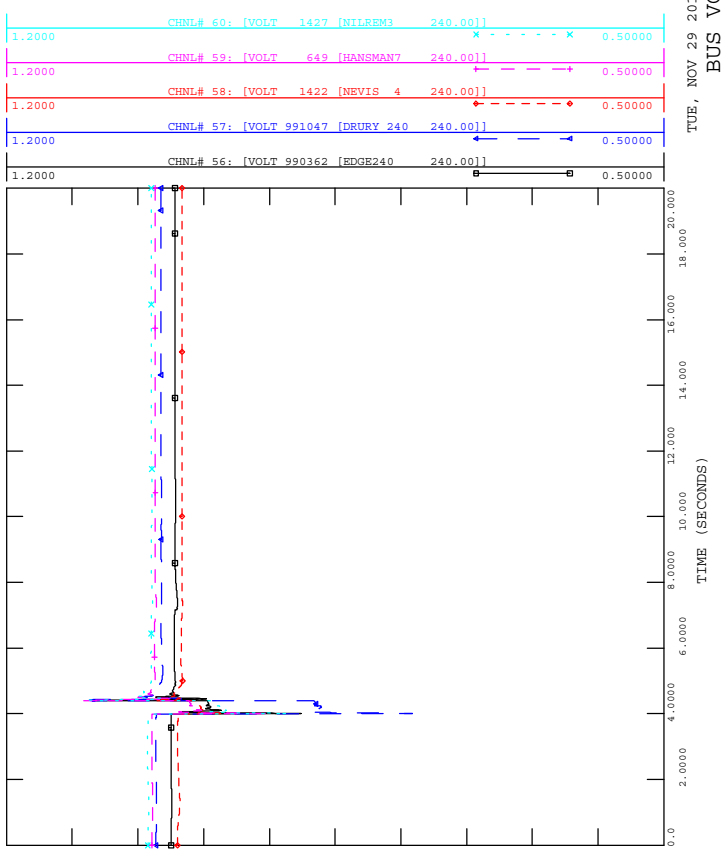
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_S702_710S-Vermillion.o

TUE, NOV 29 2016 9:10

BUS VOLTAGE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION

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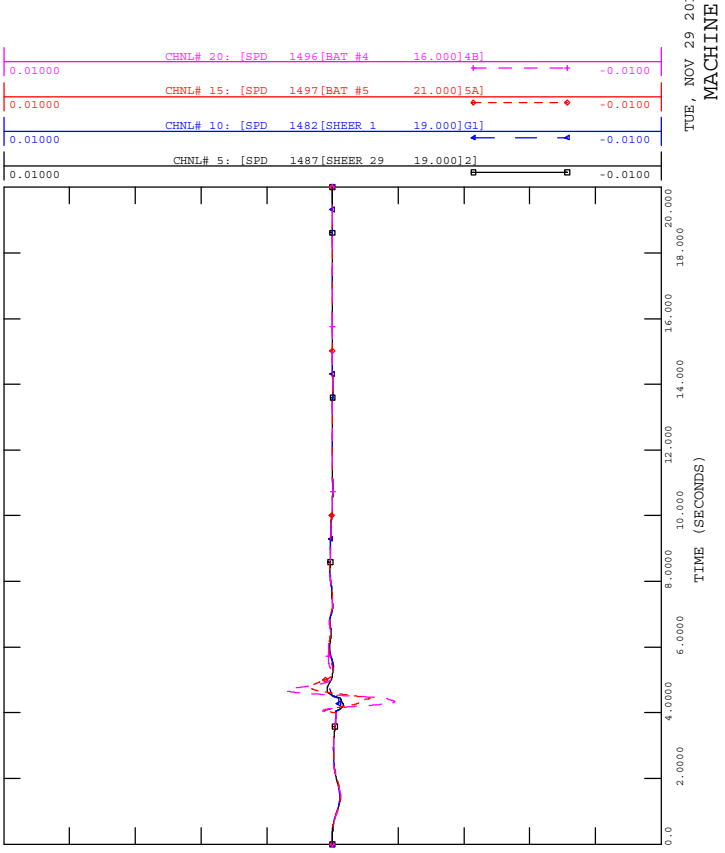
TUE, NOV 29 2016 9:10

MACHINE SPEED

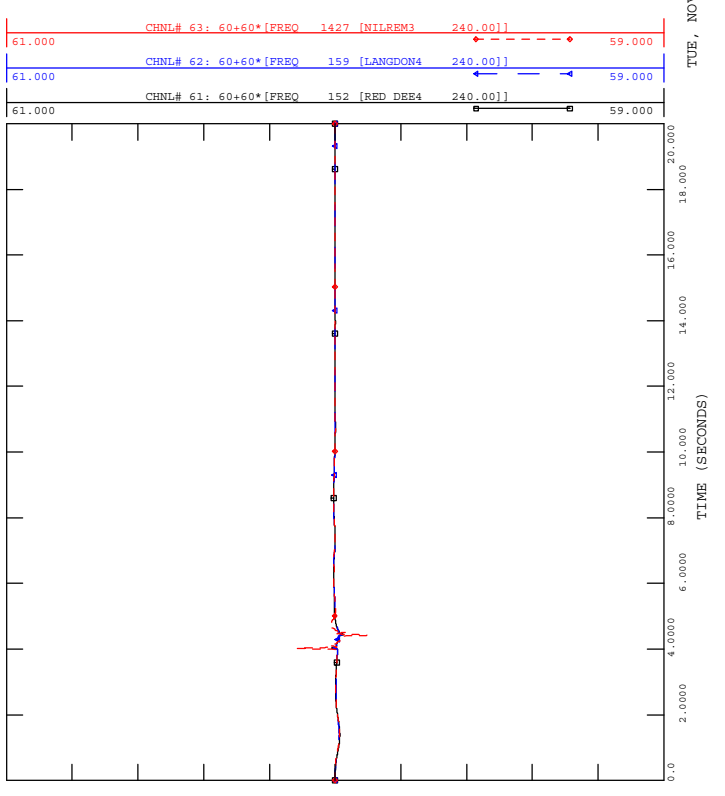


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_S702_710S-Vermillion.o

TUE, NOV 29 2016 9:10

FREQUENCY



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION

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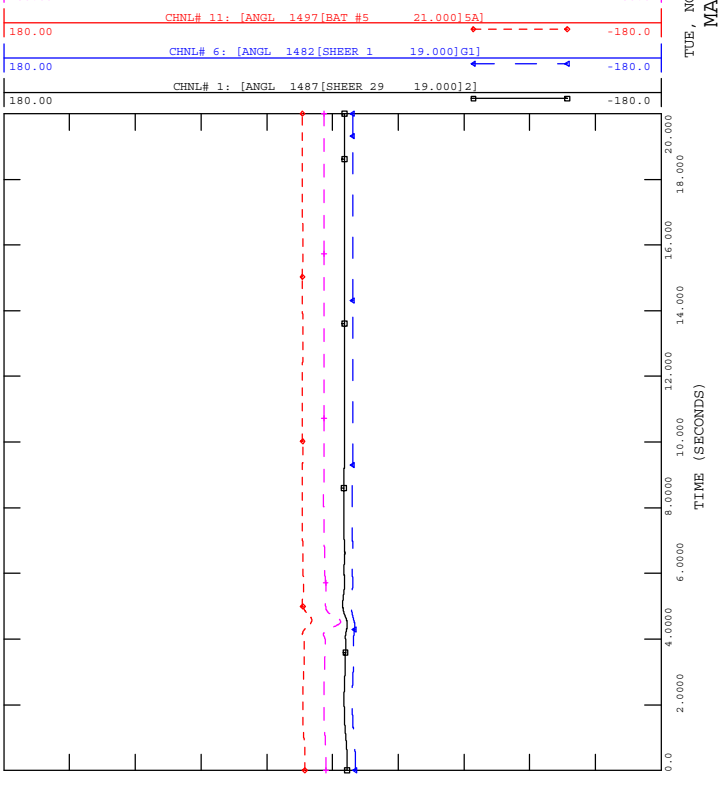
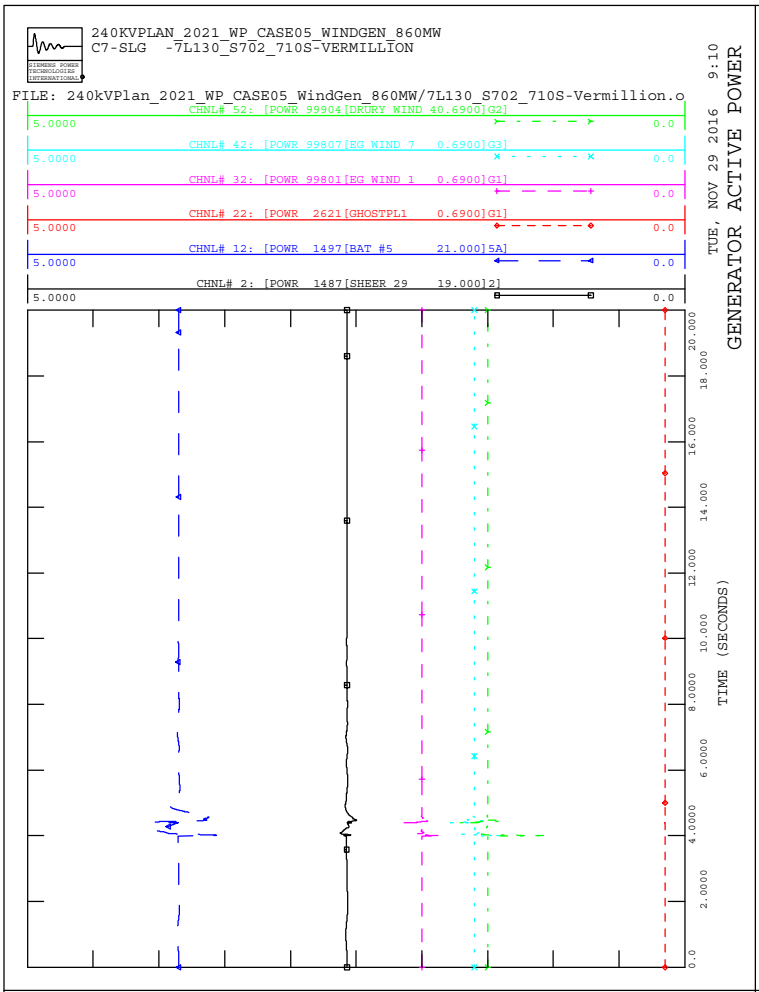
TUE, NOV 29 2016 9:10

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_S702_710S-Vermillion.o
9:10
TUE, NOV 29 2016
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
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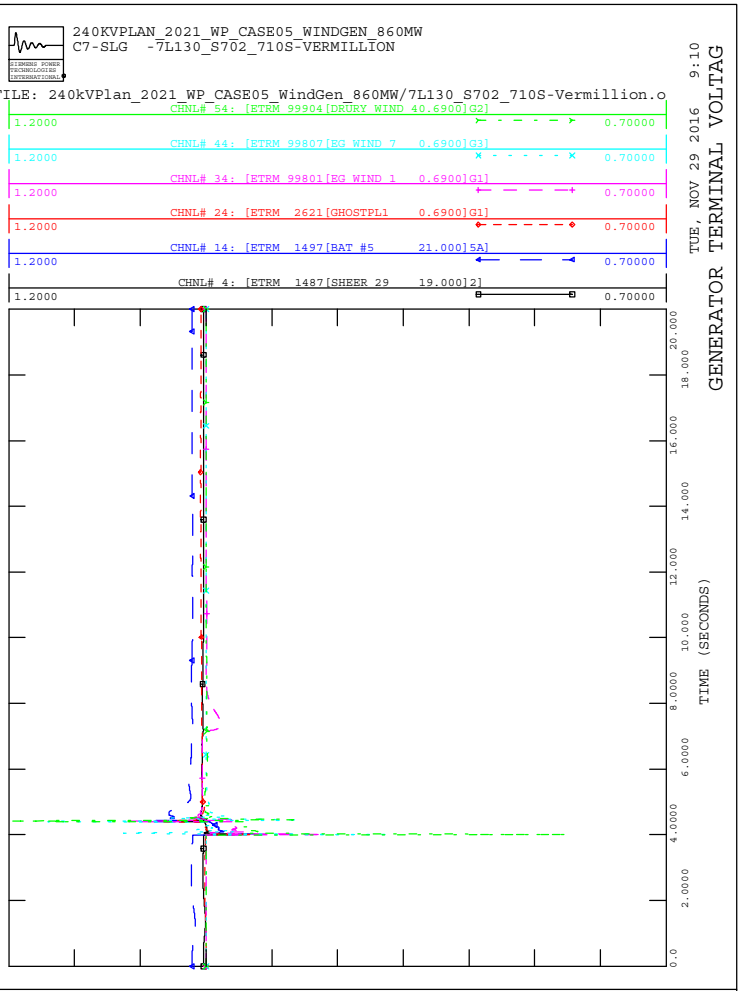
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_S702_710S-Vermillion.o
9:10
TUE, NOV 29 2016
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
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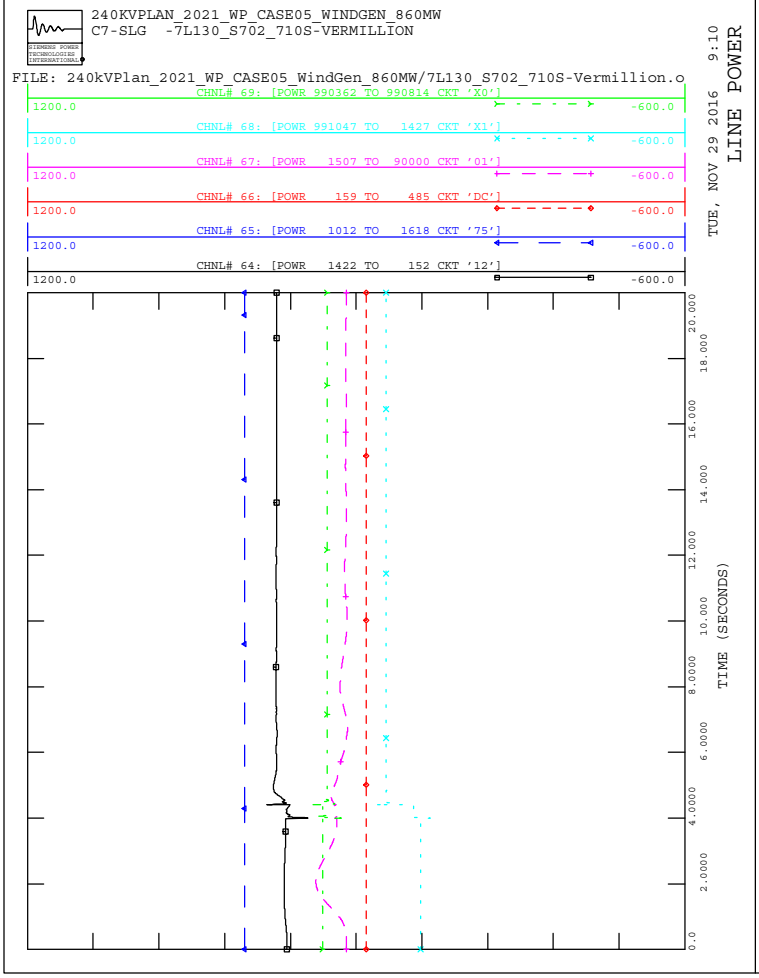
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_S702_710S-Vermillion.o
9:10
TUE, NOV 29 2016
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
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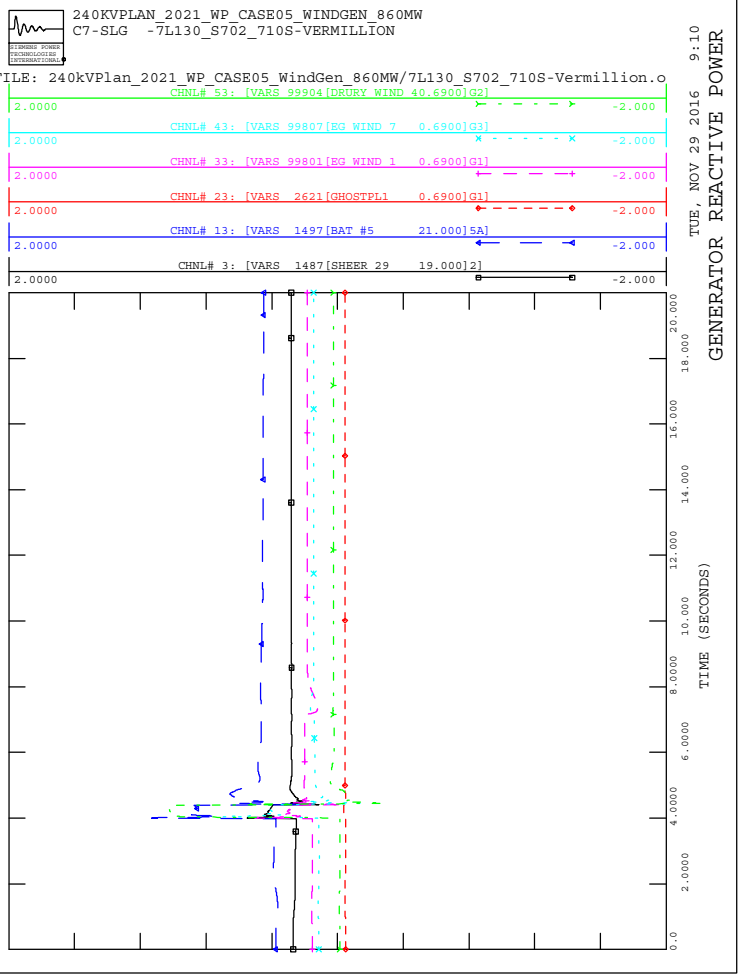
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L130_S702_710S-VERMILLION
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L130_S702_710S-Vermillion.o
9:10
TUE, NOV 29 2016
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
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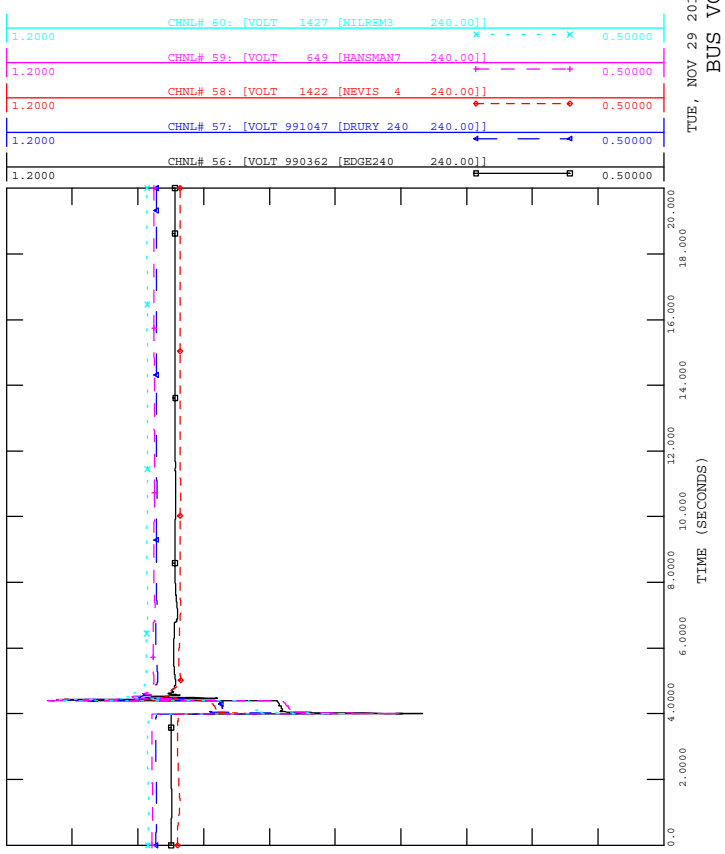
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_S472_648S-Metiskow.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

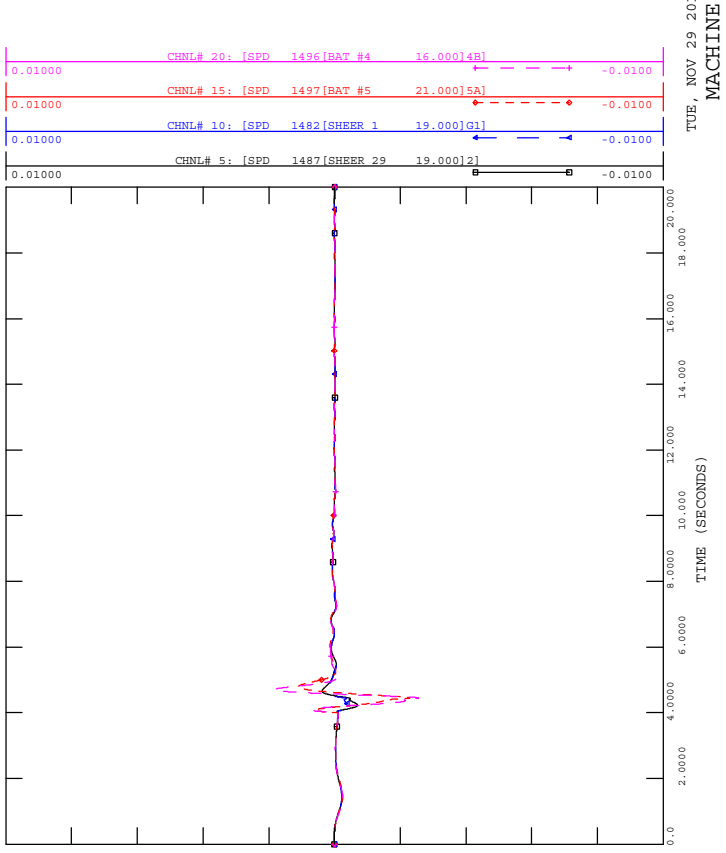


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_S472_648S-Metiskow.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

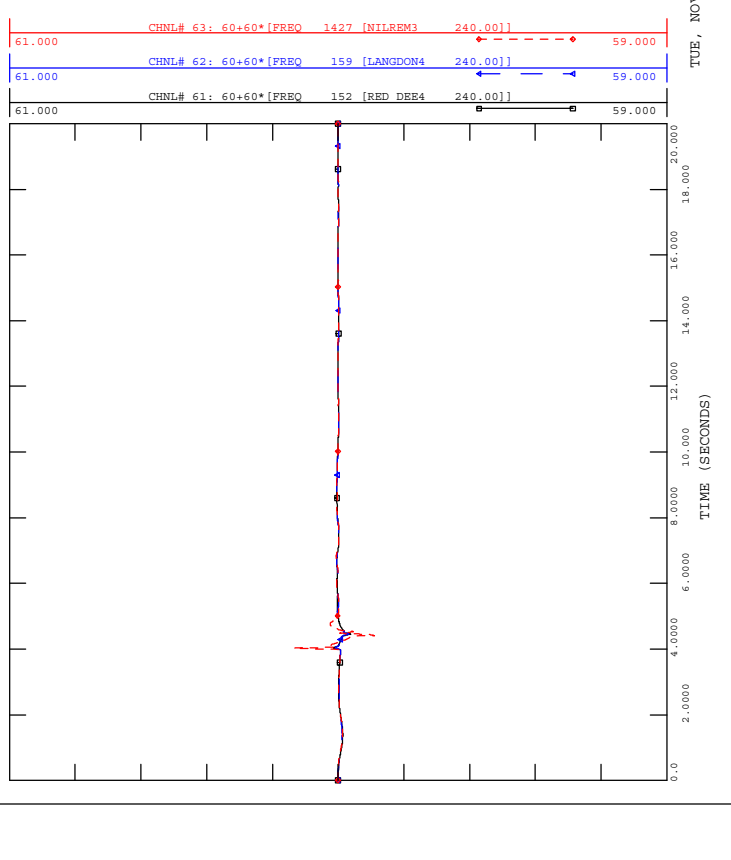


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_S472_648S-Metiskow.out

TUE, NOV 29 2016 9:10

FREQUENCY

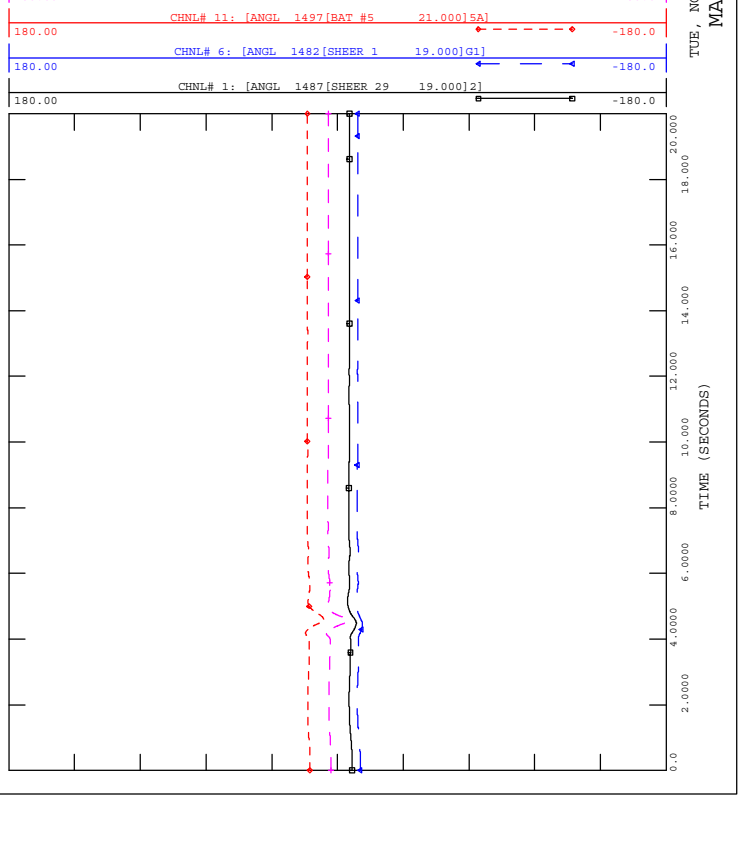


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_S472_648S-Metiskow.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

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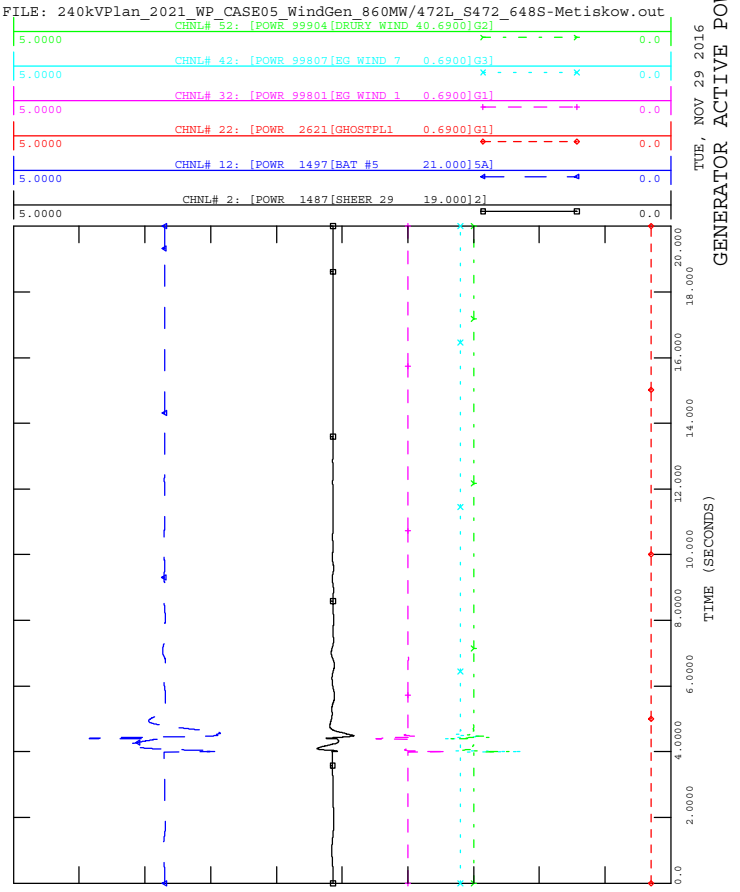
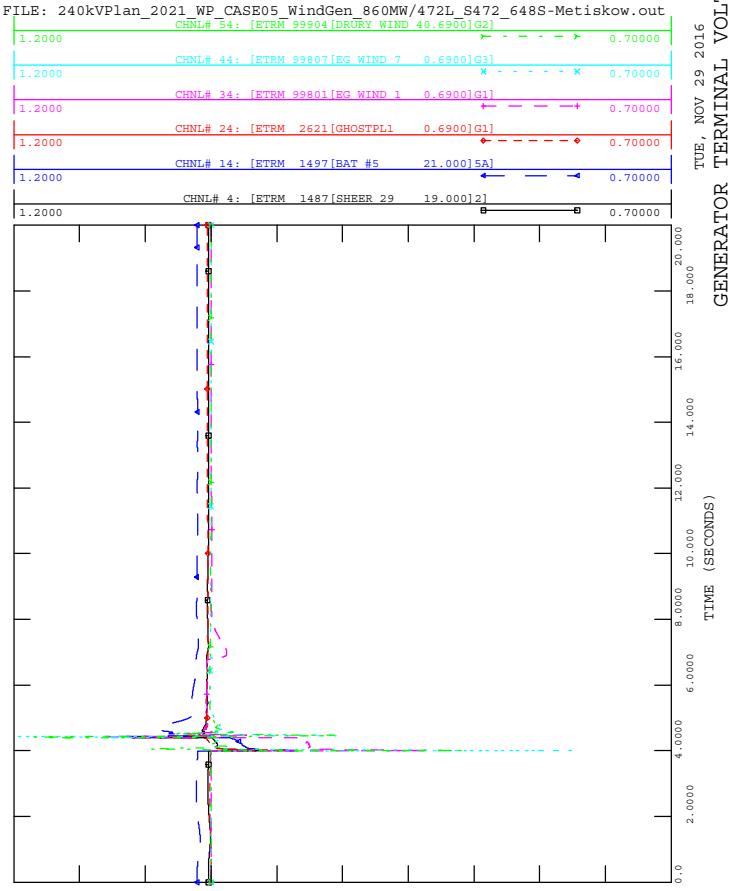


TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

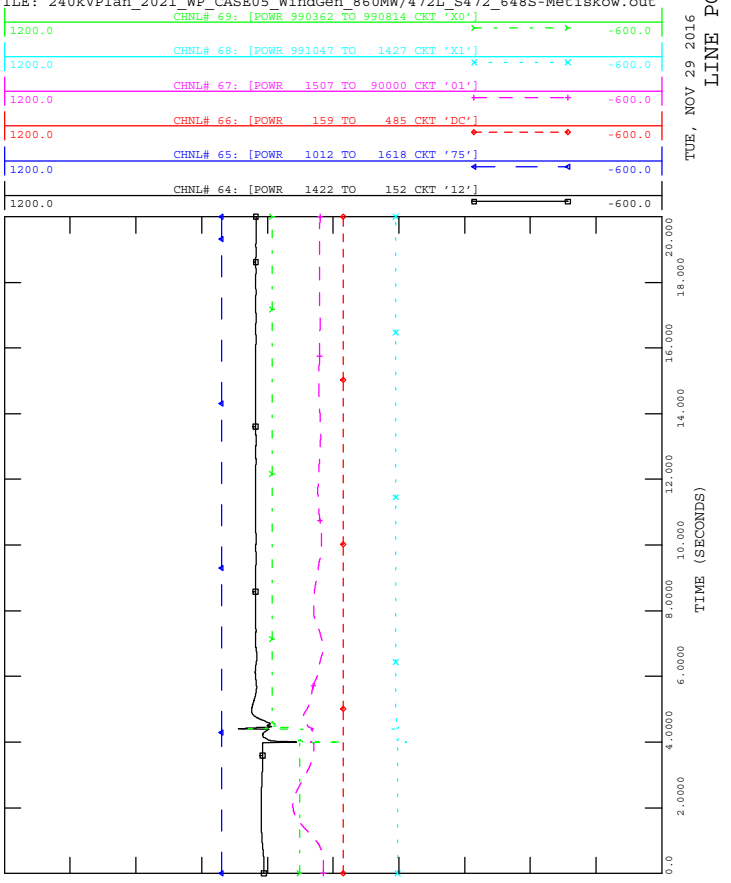
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_S472_648S-Metiskow.out



TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

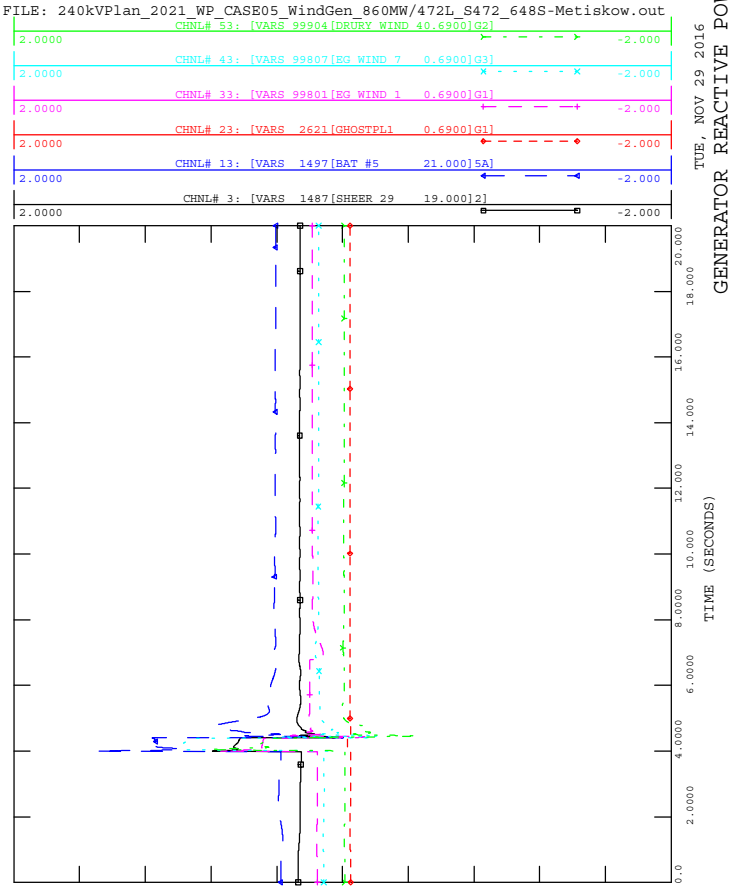
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_S472_648S-Metiskow.out



TUE, NOV 29 2016 9:10
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -472L_S472_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/472L_S472_648S-Metiskow.out



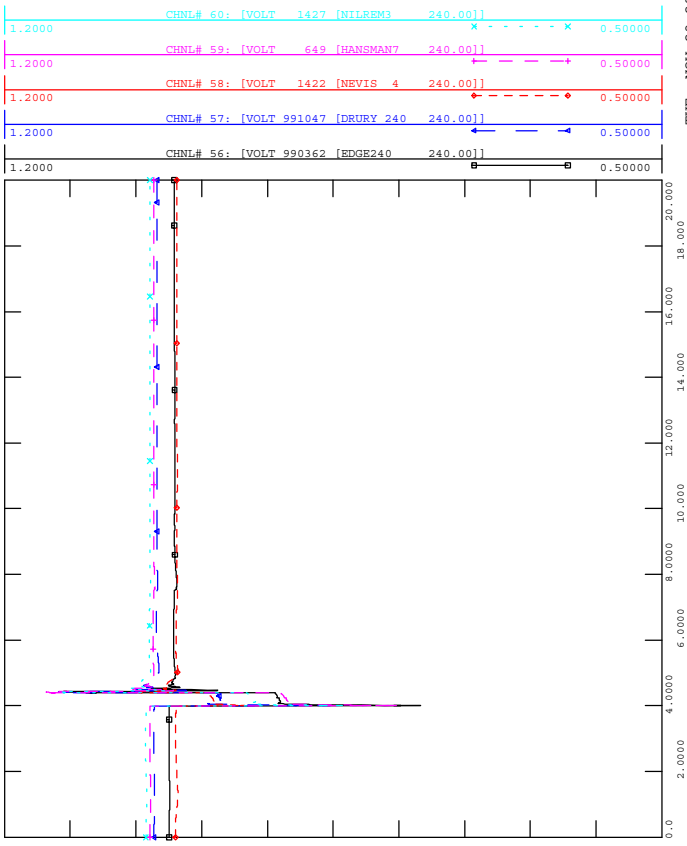
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749E_648S-Metiskow.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

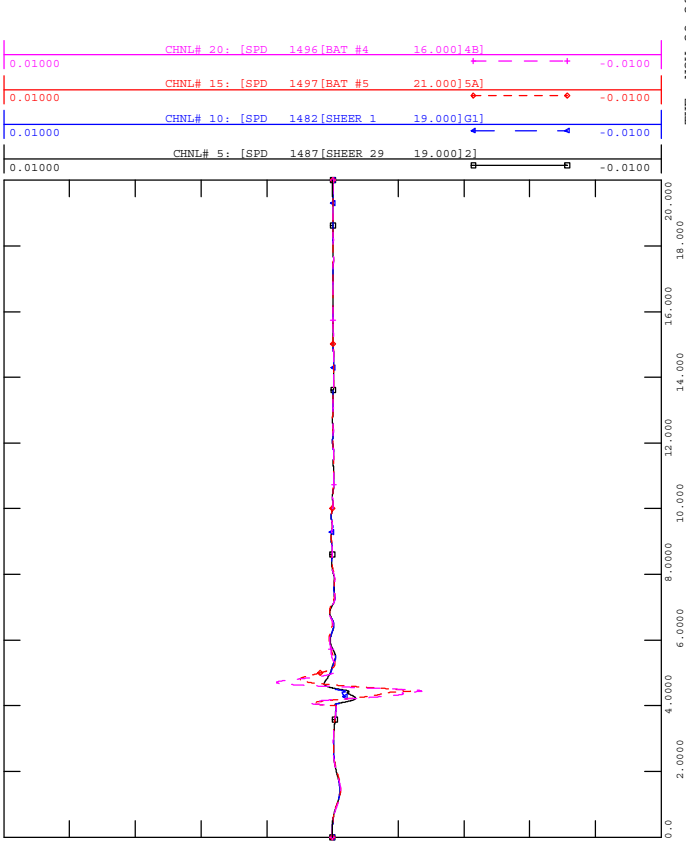


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749E_648S-Metiskow.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

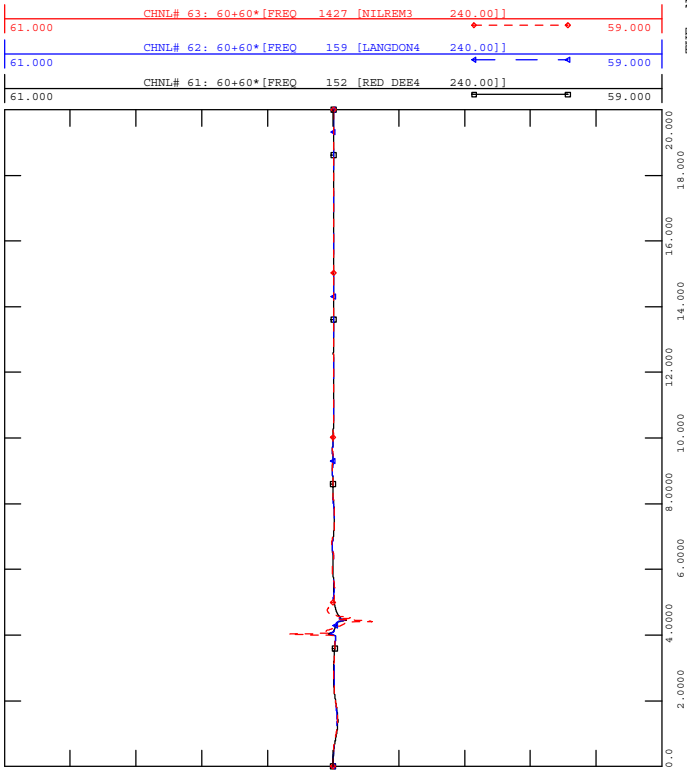


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749E_648S-Metiskow.out

TUE, NOV 29 2016 9:10

FREQUENCY

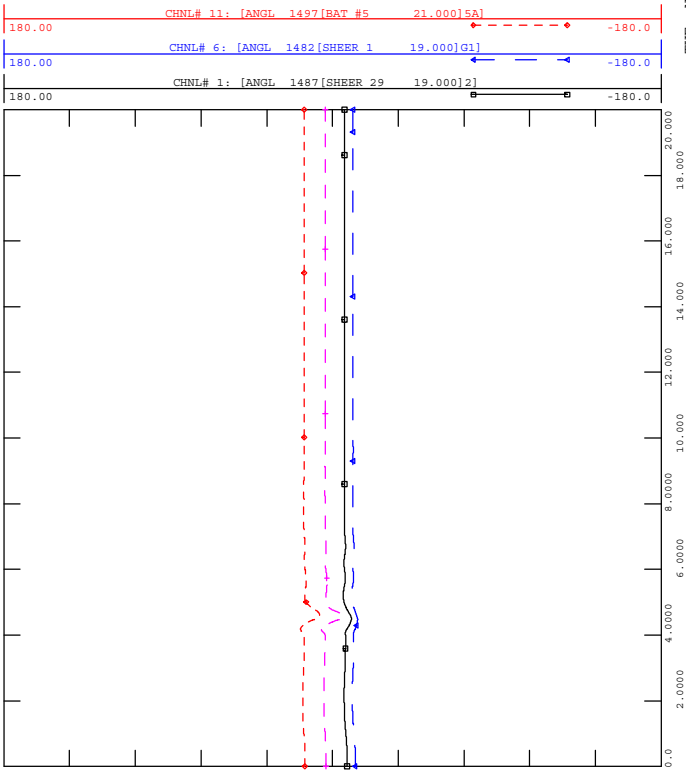


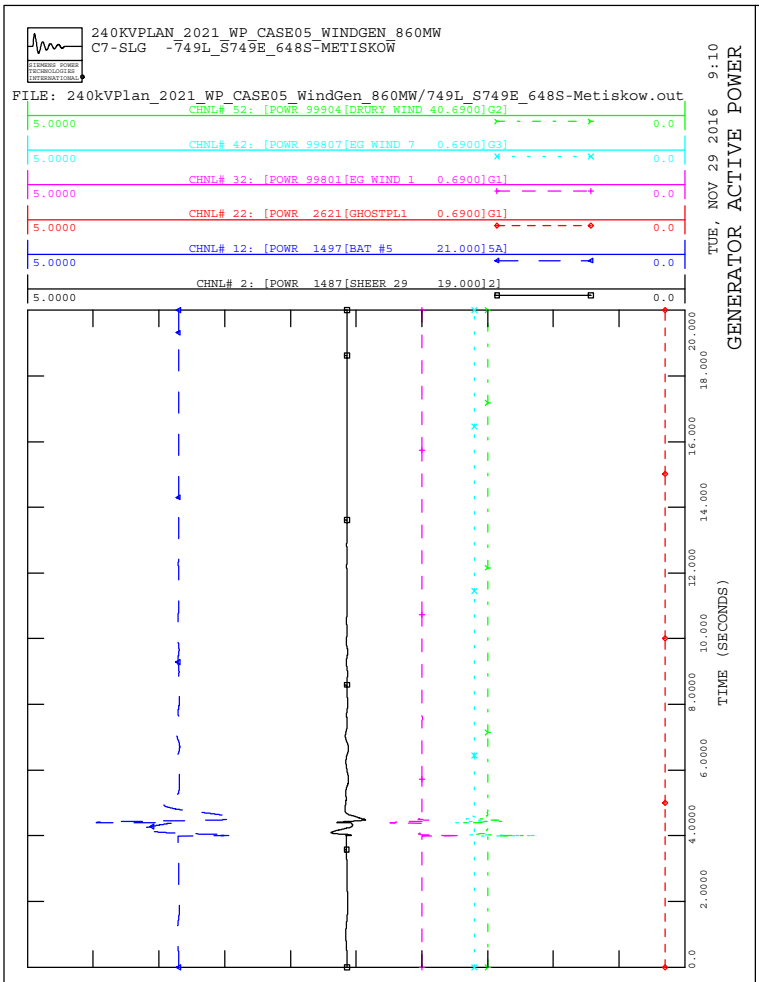
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW

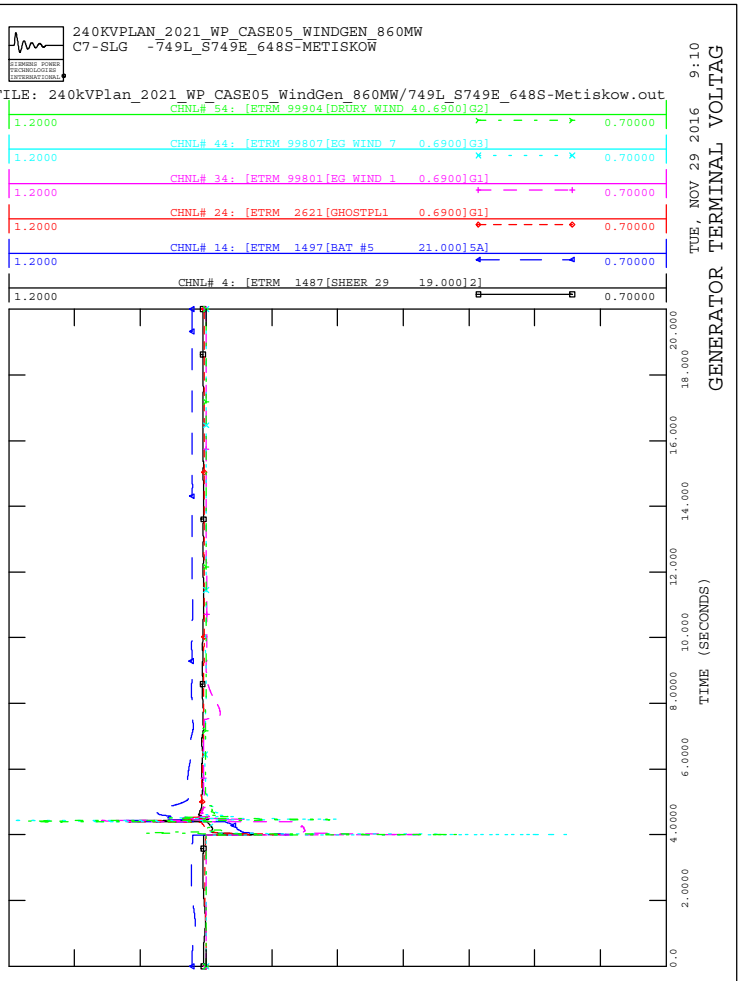
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749E_648S-Metiskow.out

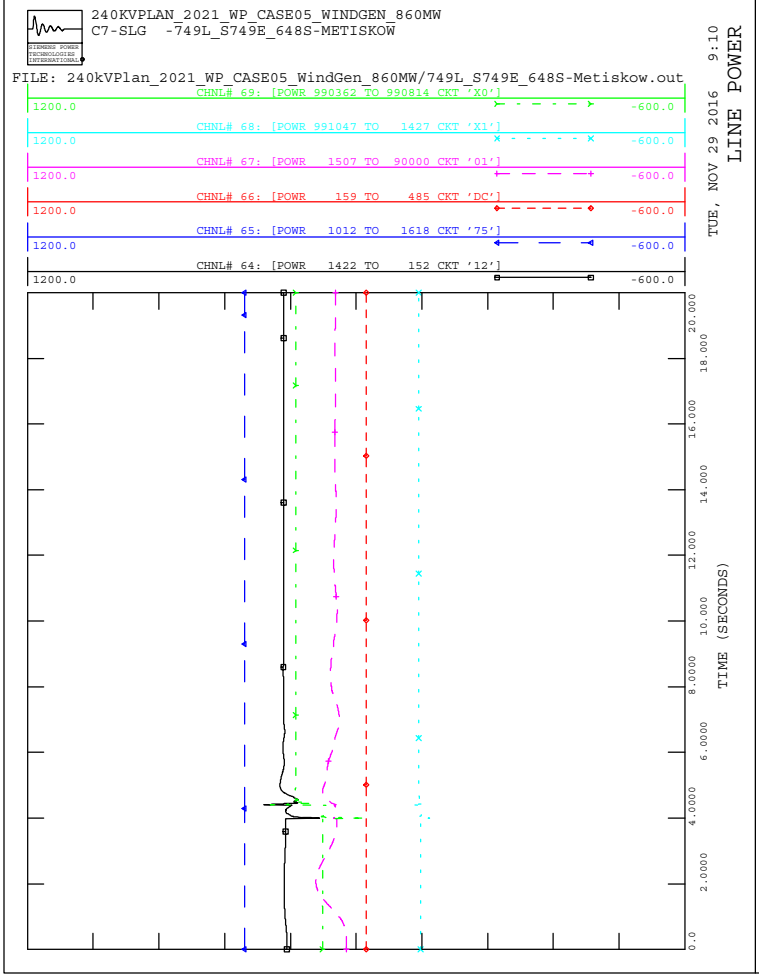
TUE, NOV 29 2016 9:10

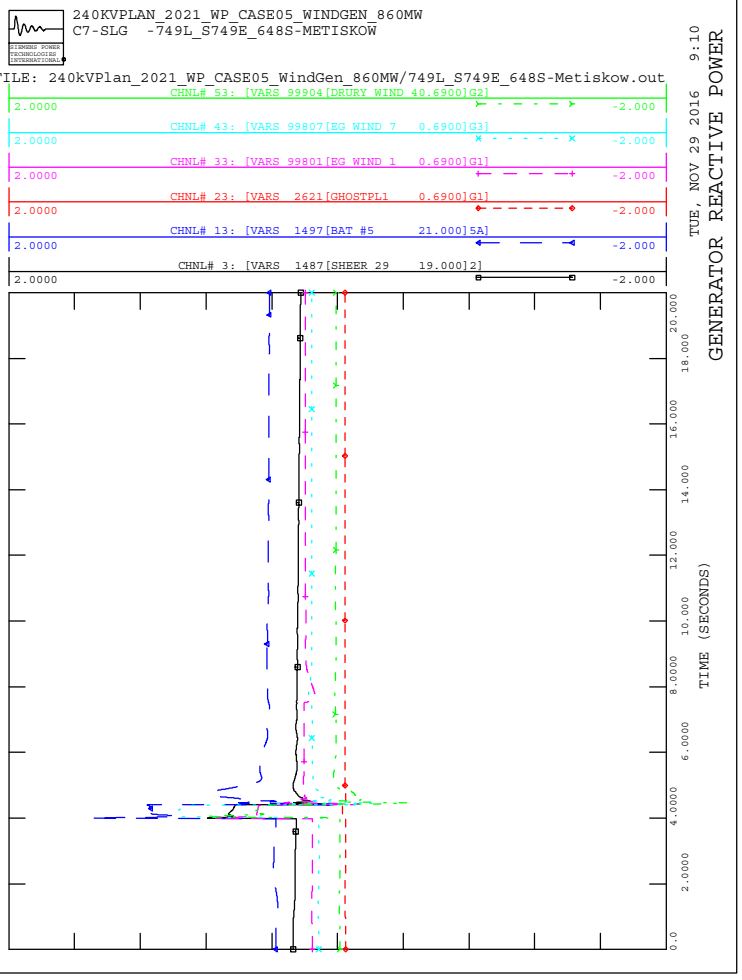
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749E_648S-Metiskow.out
9:10 TUE, NOV 29 2016
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749E_648S-Metiskow.out
9:10 TUE, NOV 29 2016
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749E_648S-Metiskow.out
9:10 TUE, NOV 29 2016
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

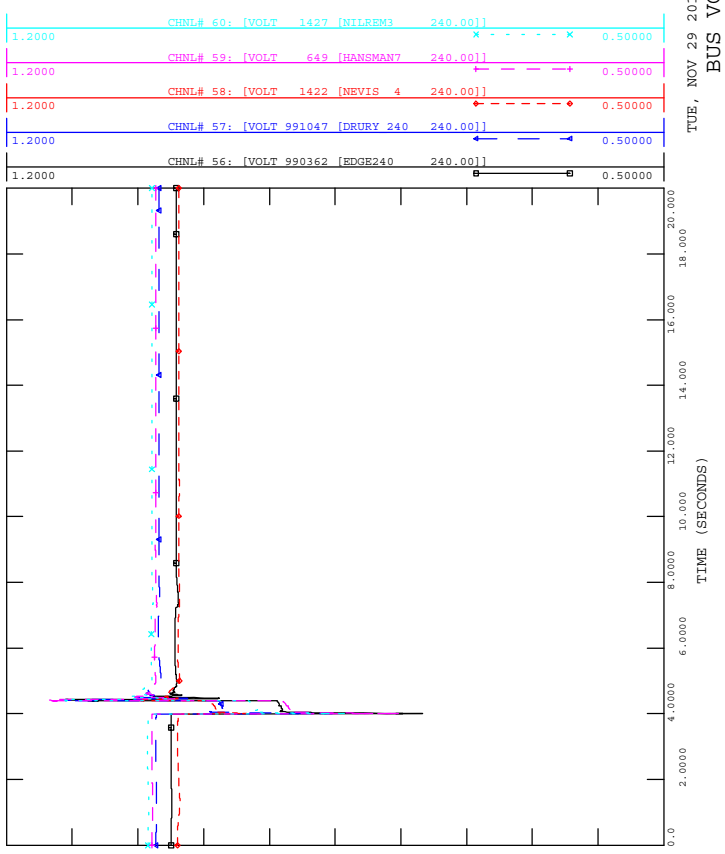

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749E_648S-METISKOW
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749E_648S-Metiskow.out
9:10 TUE, NOV 29 2016
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S885_648S-Metiskow.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

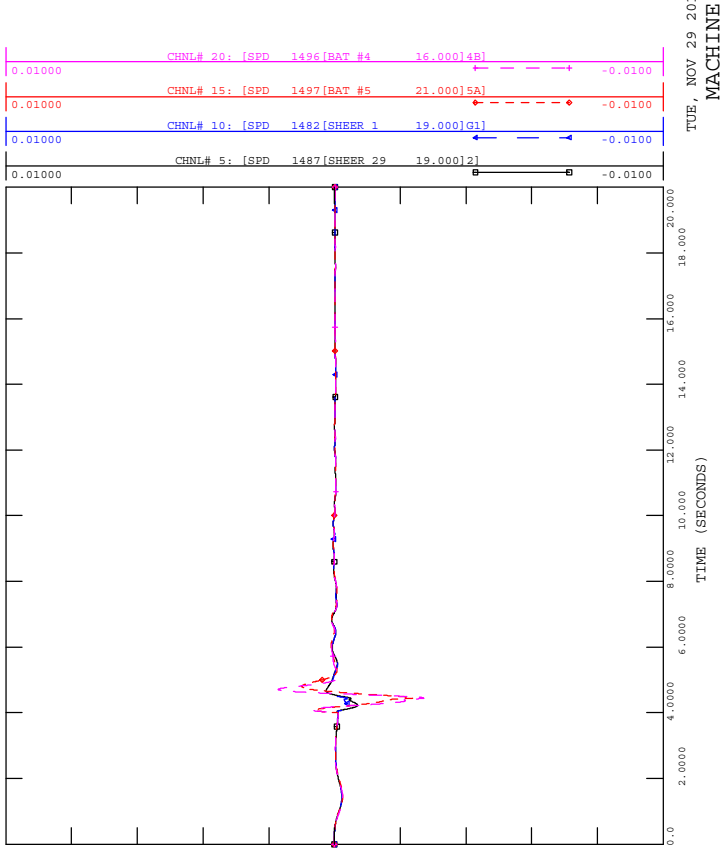


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S885_648S-Metiskow.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

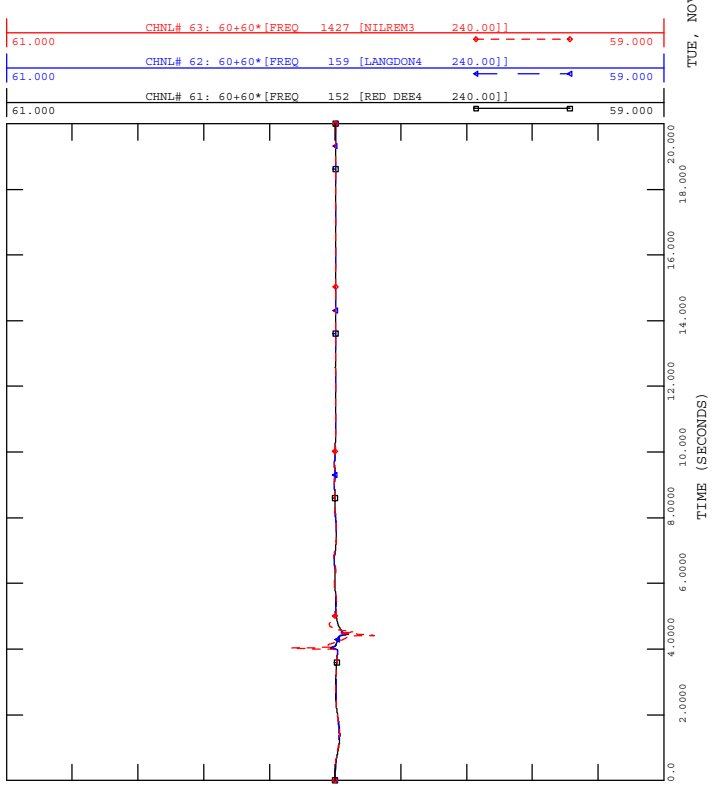


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S885_648S-Metiskow.out

TUE, NOV 29 2016 9:10

FREQUENCY

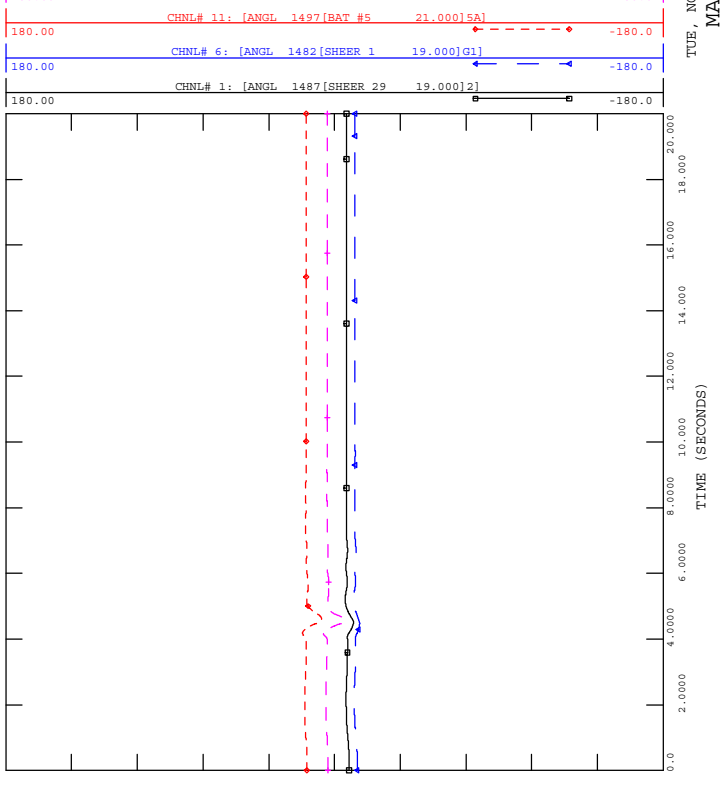


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S885_648S-Metiskow.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S885_648S-Metiskow.out

TUE, NOV 29 2016 9:10

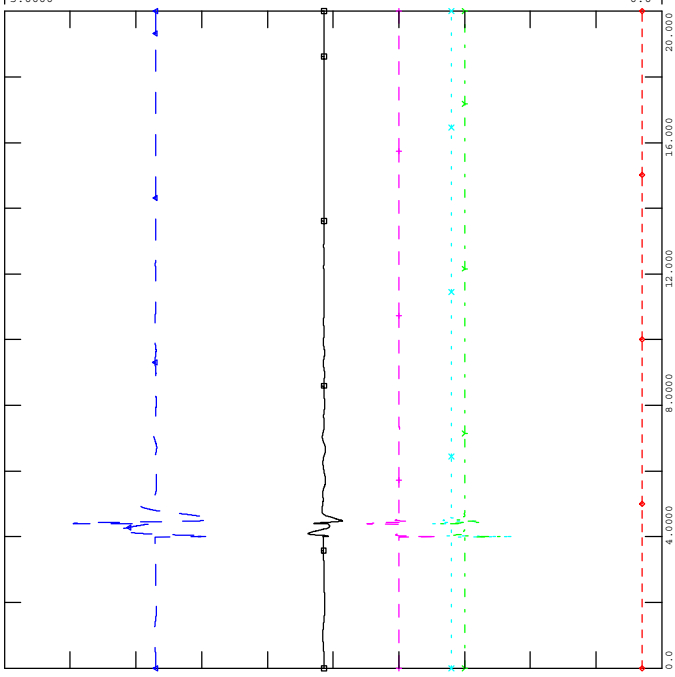
GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S885_648S-Metiskow.out

TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

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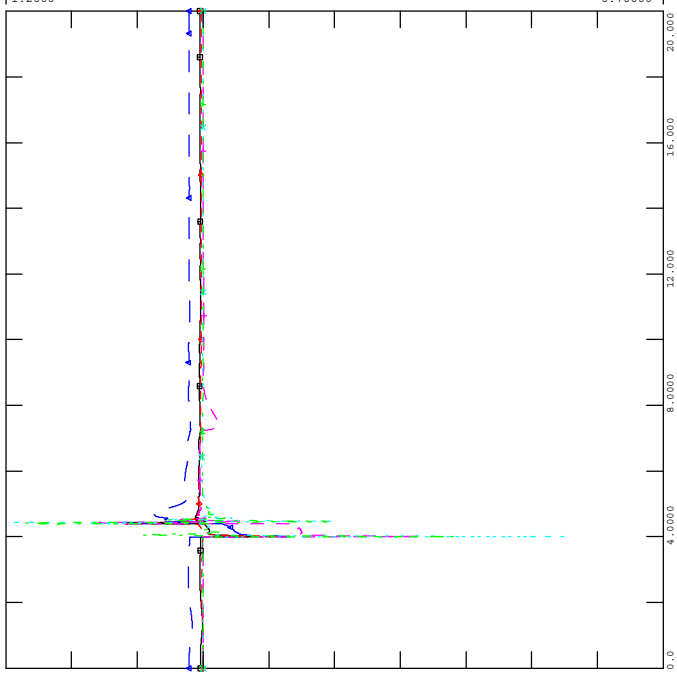


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S885_648S-Metiskow.out

TUE, NOV 29 2016 9:10

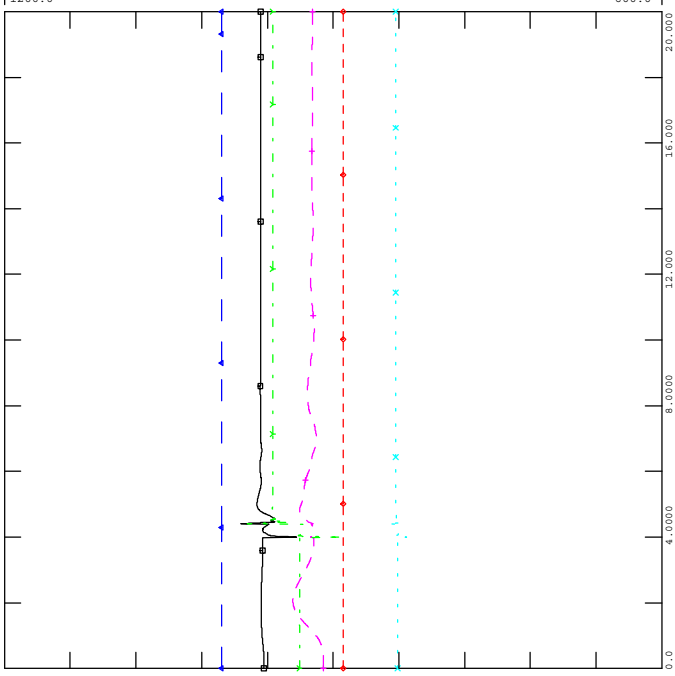
LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S885_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S885_648S-Metiskow.out

TUE, NOV 29 2016 9:10

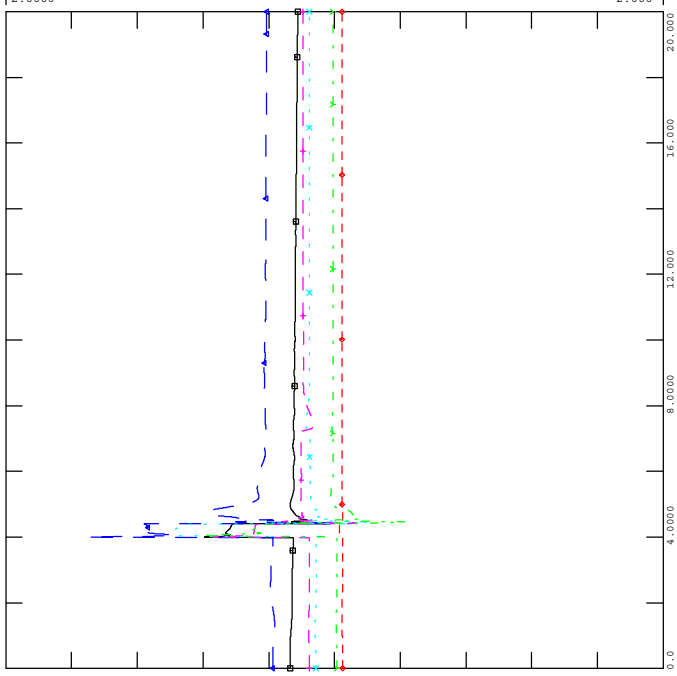
GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

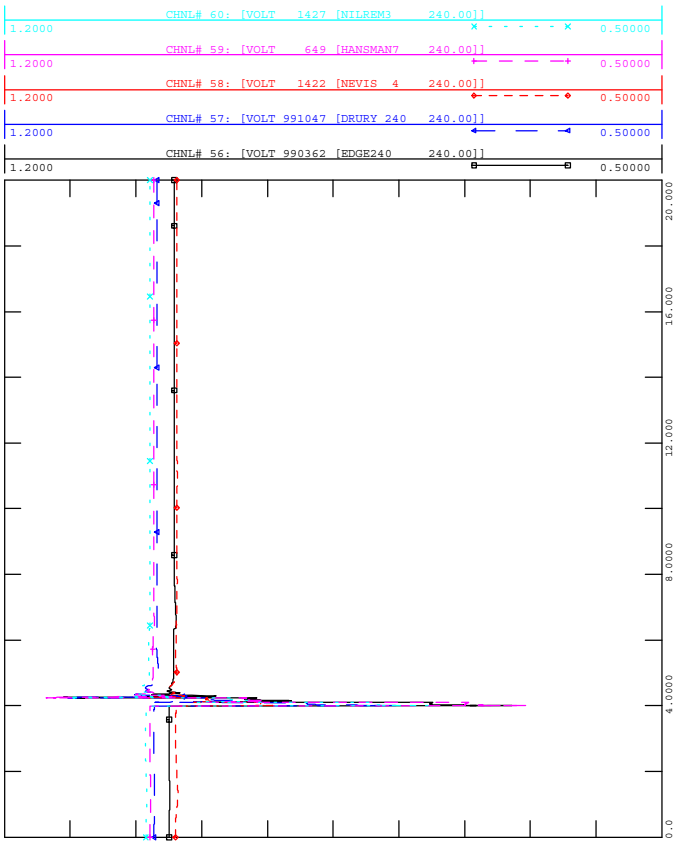


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S29_648S-Metiskow.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

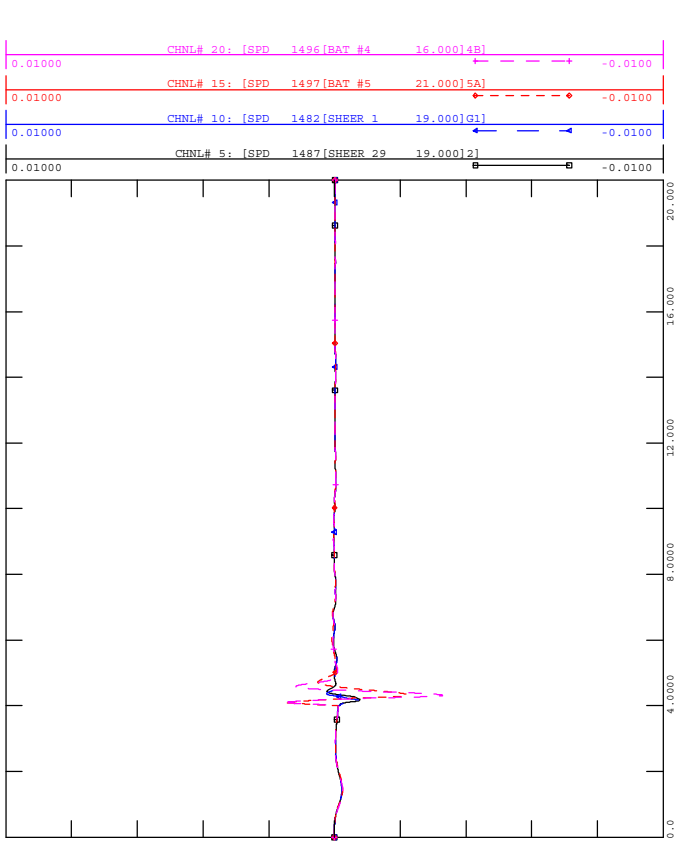


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S29_648S-Metiskow.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

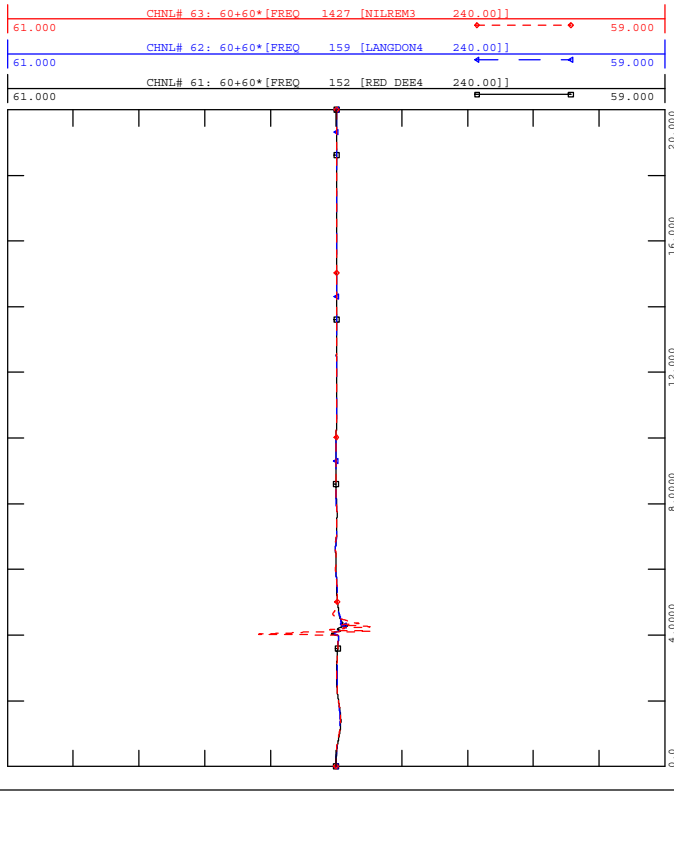


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S29_648S-Metiskow.out

TUE, NOV 29 2016 9:10

FREQUENCY

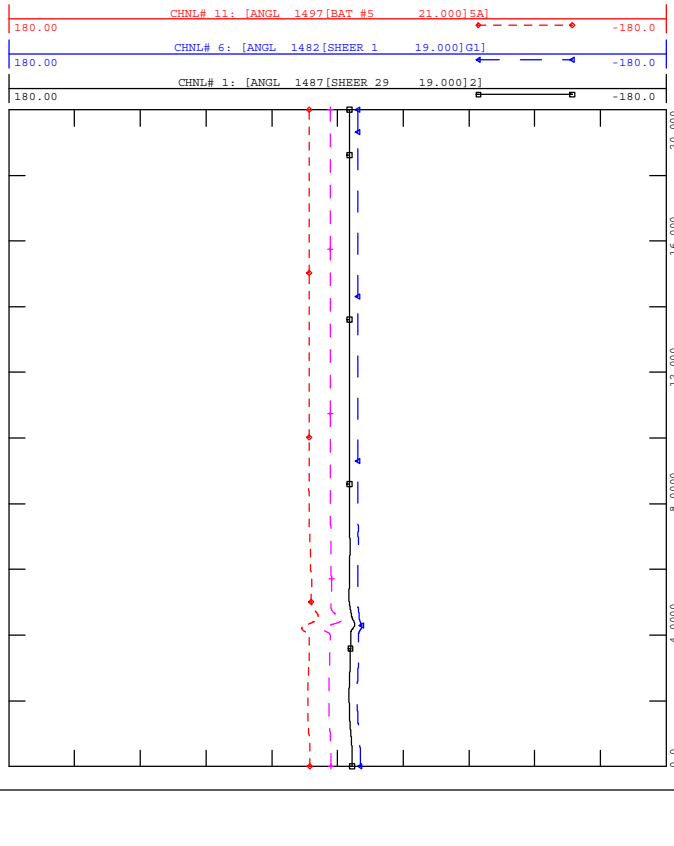


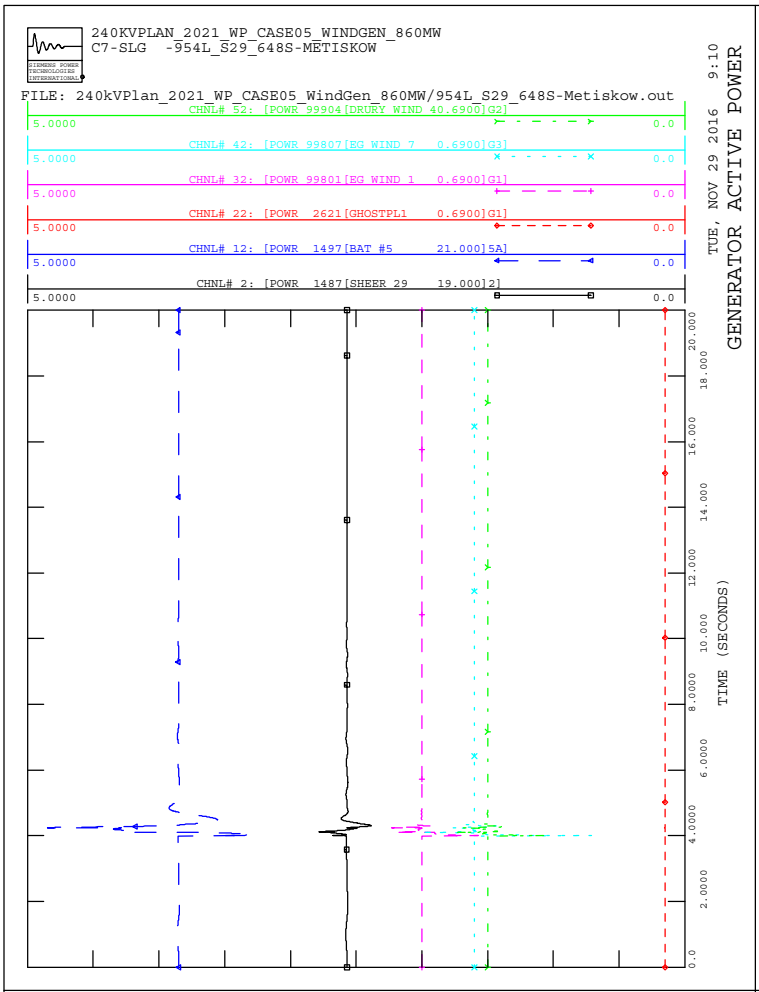
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW

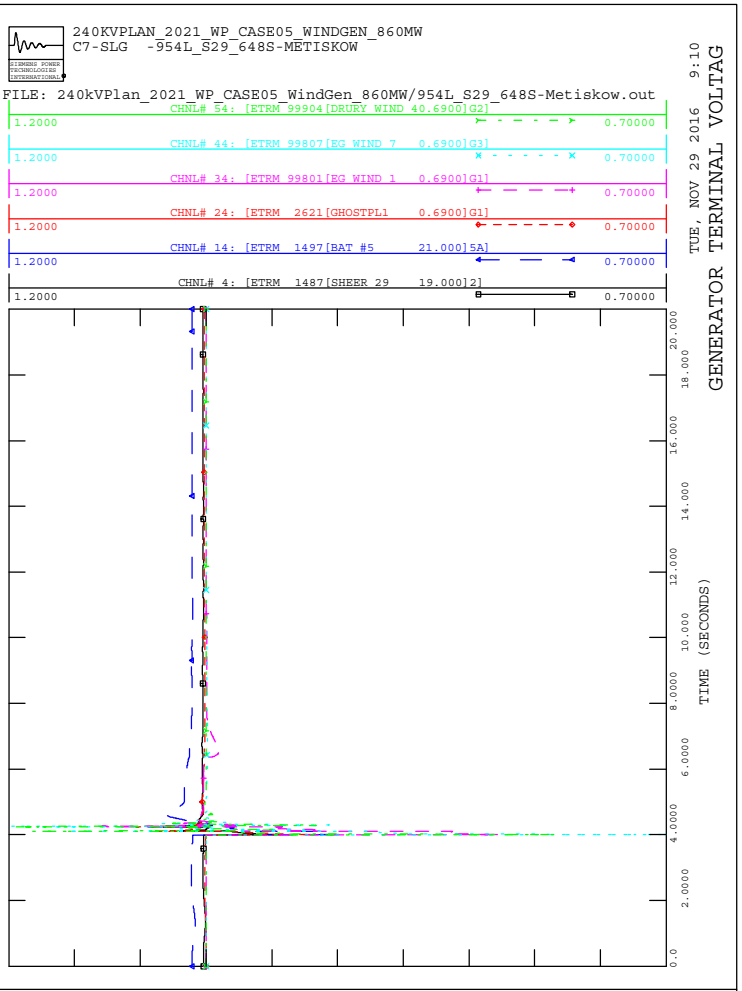
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S29_648S-Metiskow.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S29_648S-Metiskow.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S29_648S-Metiskow.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
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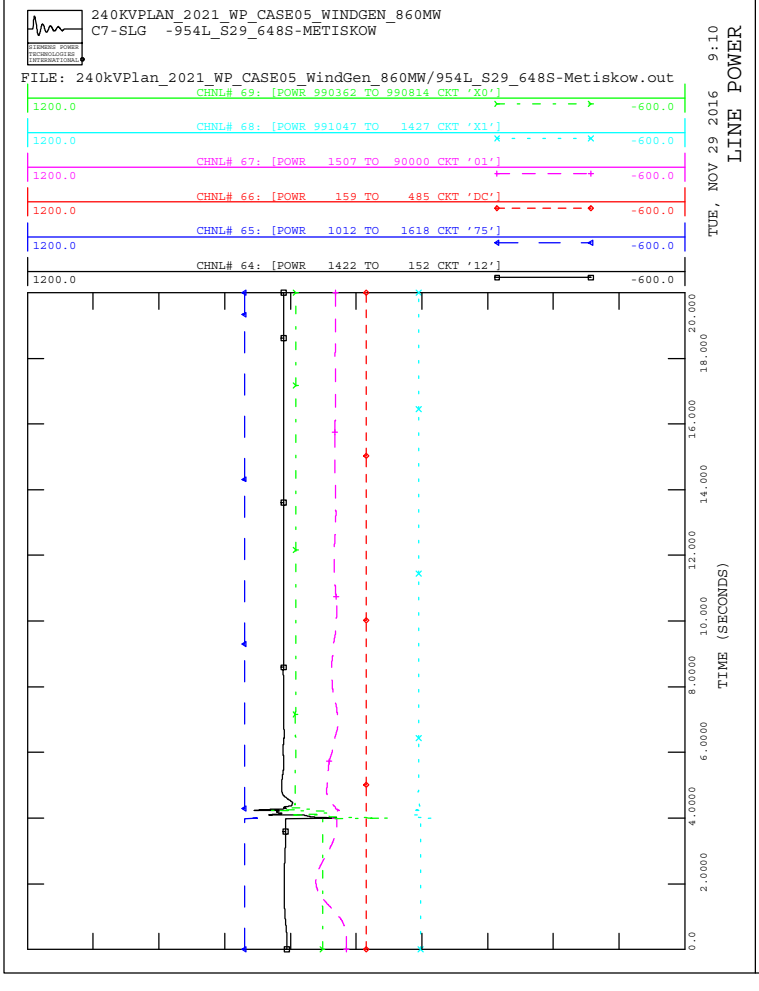
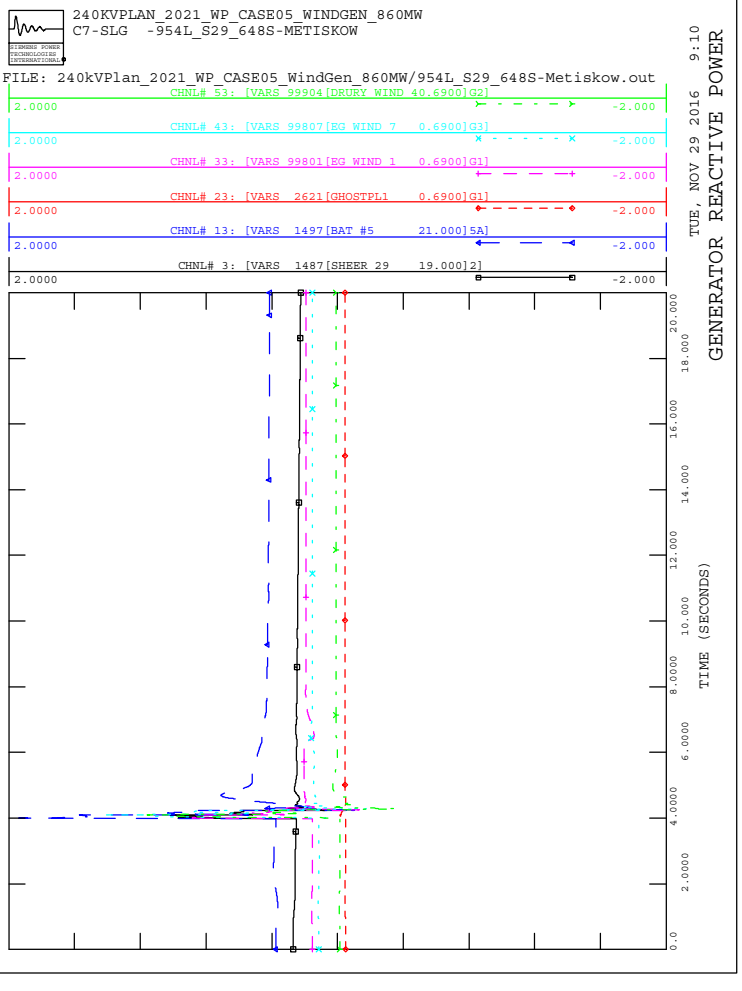
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S29_648S-Metiskow.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

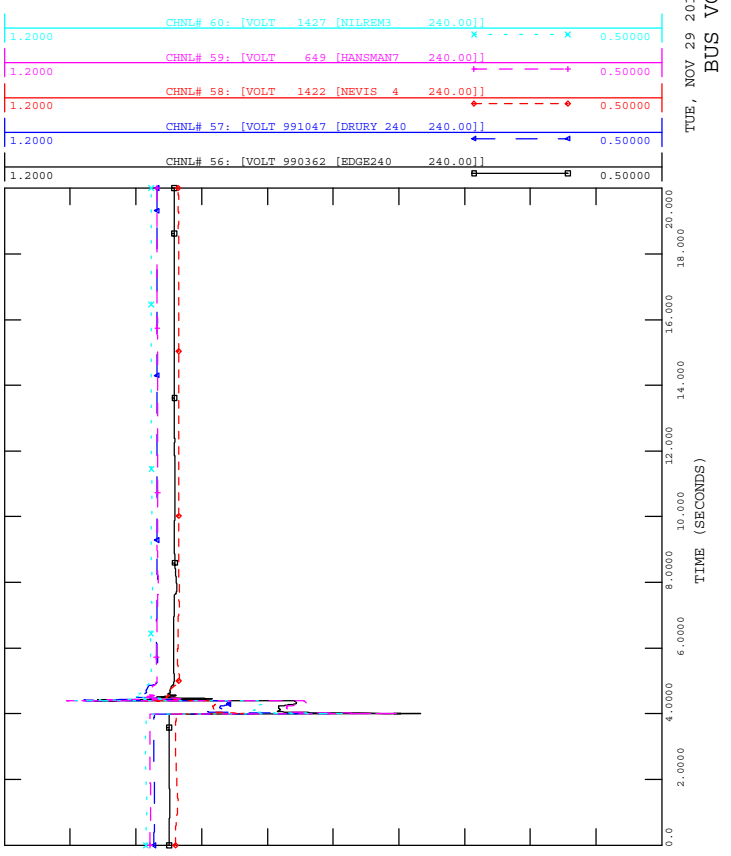

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S29_648S-METISKOW
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S29_648S-Metiskow.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/715L_S1352_650S-Hansman Lake

TUE, NOV 29 2016 9:10

BUS VOLTAGE

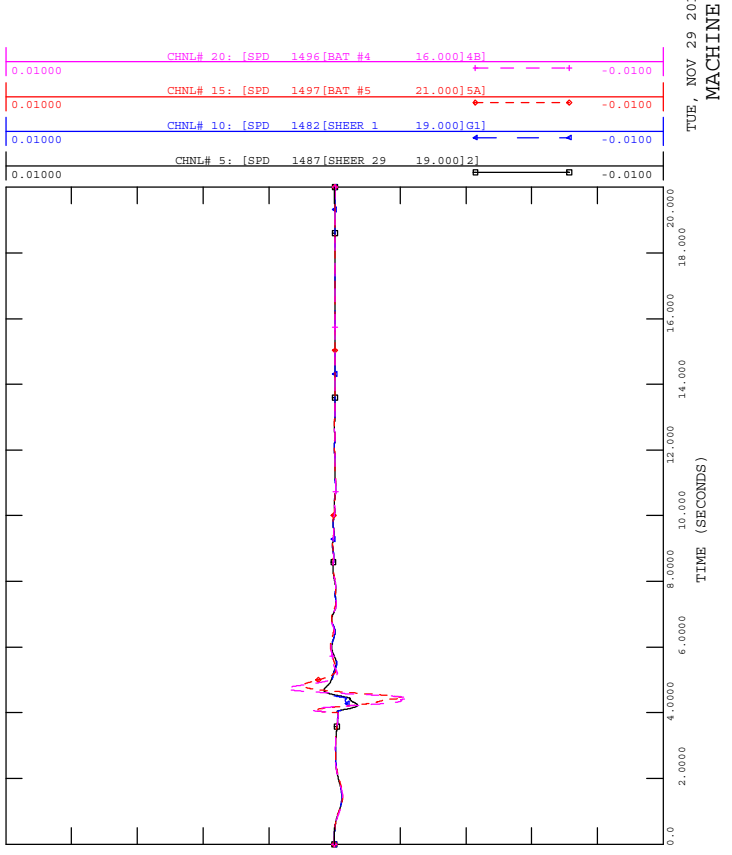


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/715L_S1352_650S-Hansman Lake

TUE, NOV 29 2016 9:10

MACHINE SPEED

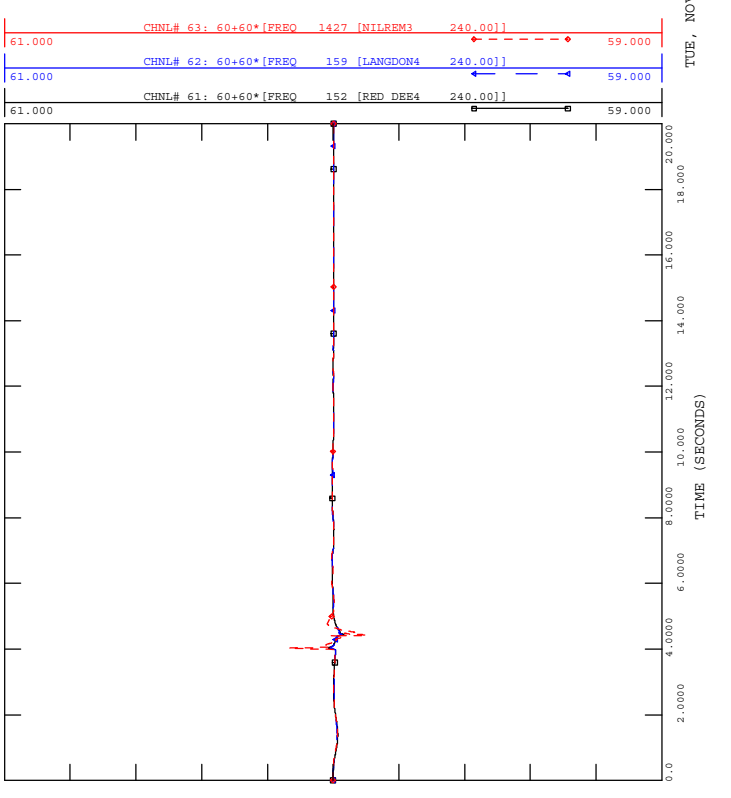


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/715L_S1352_650S-Hansman Lake

TUE, NOV 29 2016 9:10

FREQUENCY

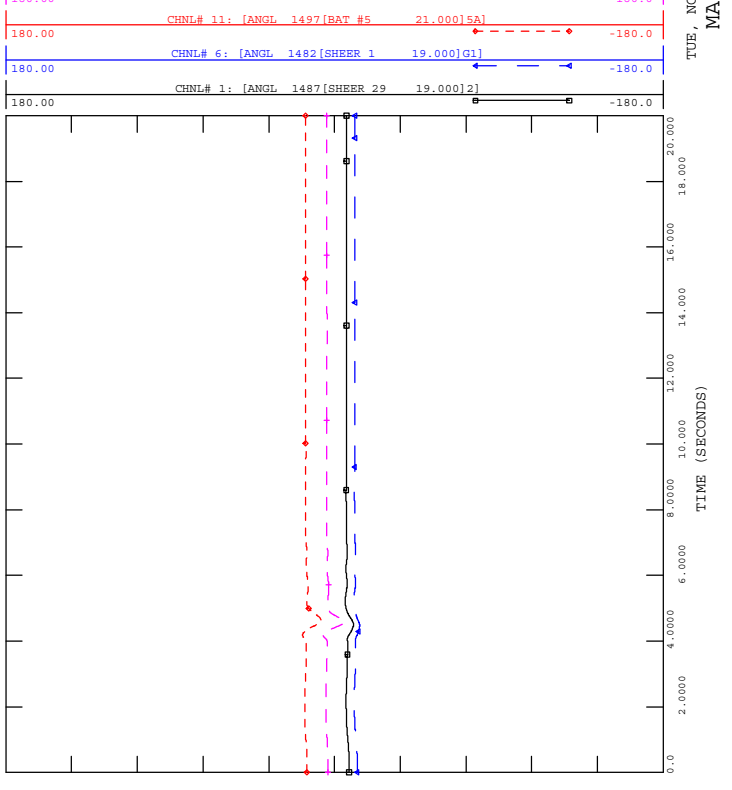


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/715L_S1352_650S-Hansman Lake

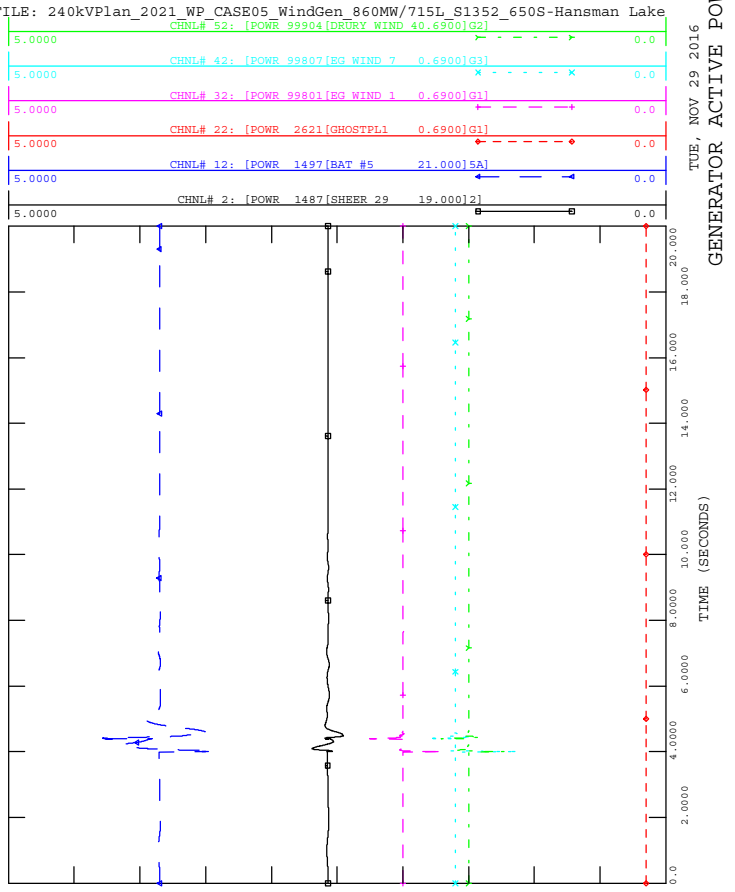
TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN LAKE

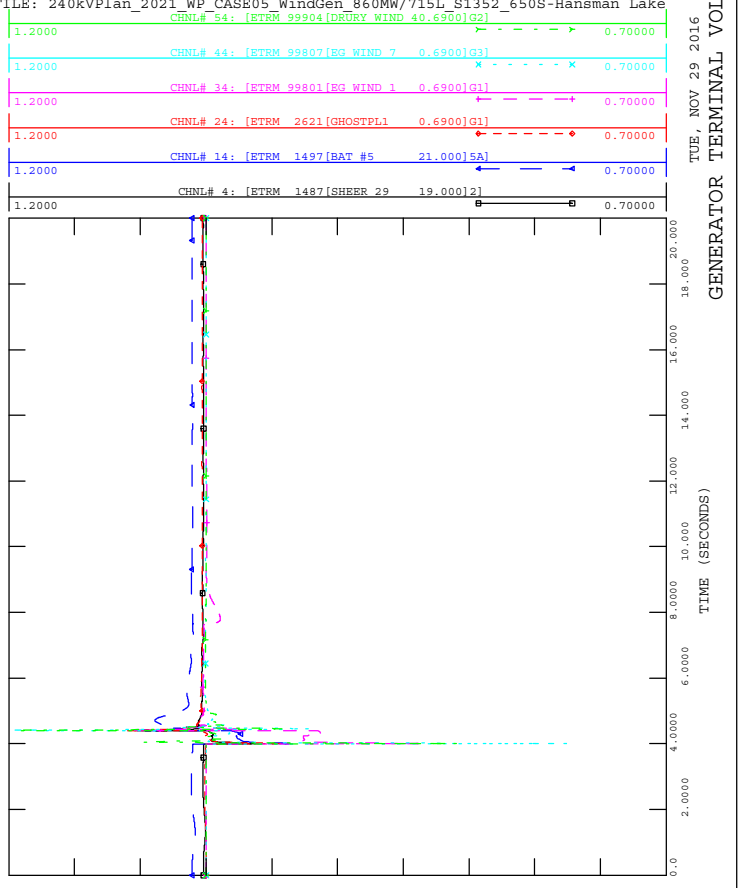
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/715L_S1352_650S-Hansman Lake



TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN LAKE

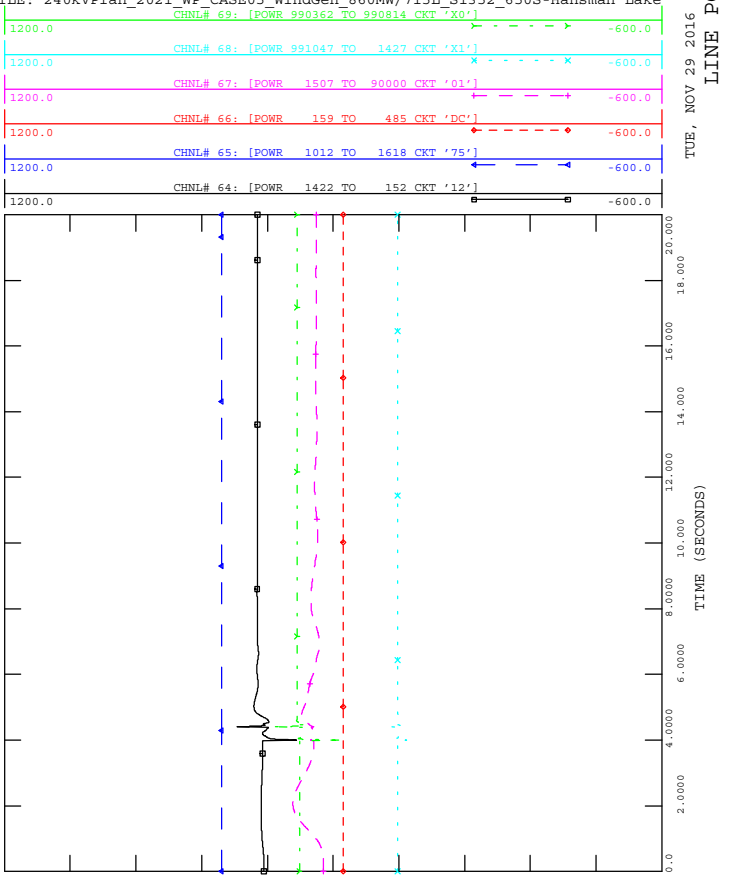
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/715L_S1352_650S-Hansman Lake



TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN LAKE

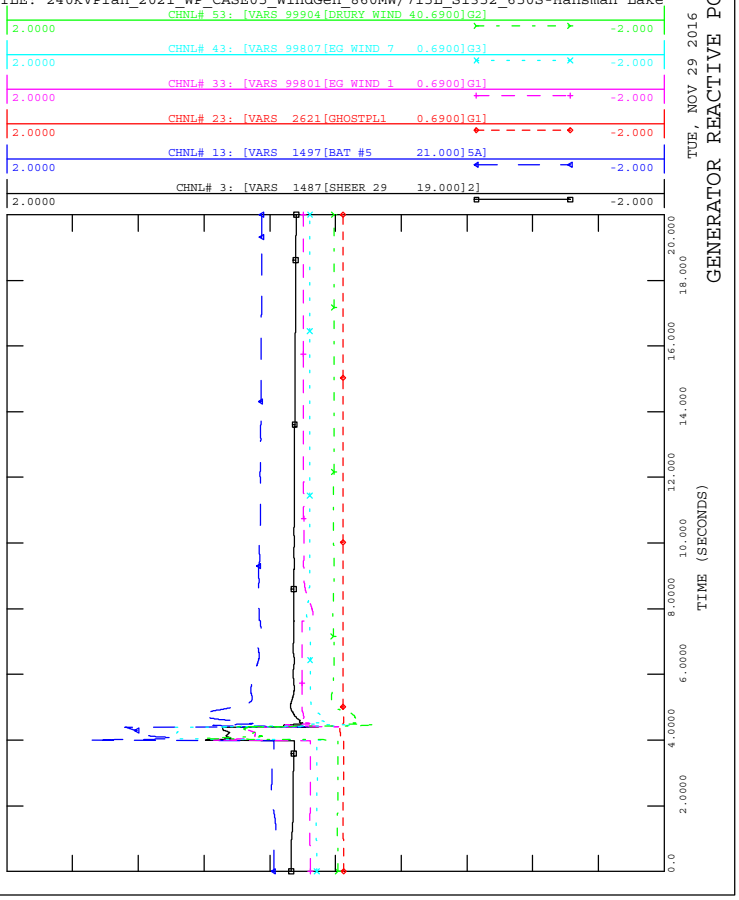
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/715L_S1352_650S-Hansman Lake



TUE, NOV 29 2016 9:10
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -715L_S1352_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/715L_S1352_650S-Hansman Lake



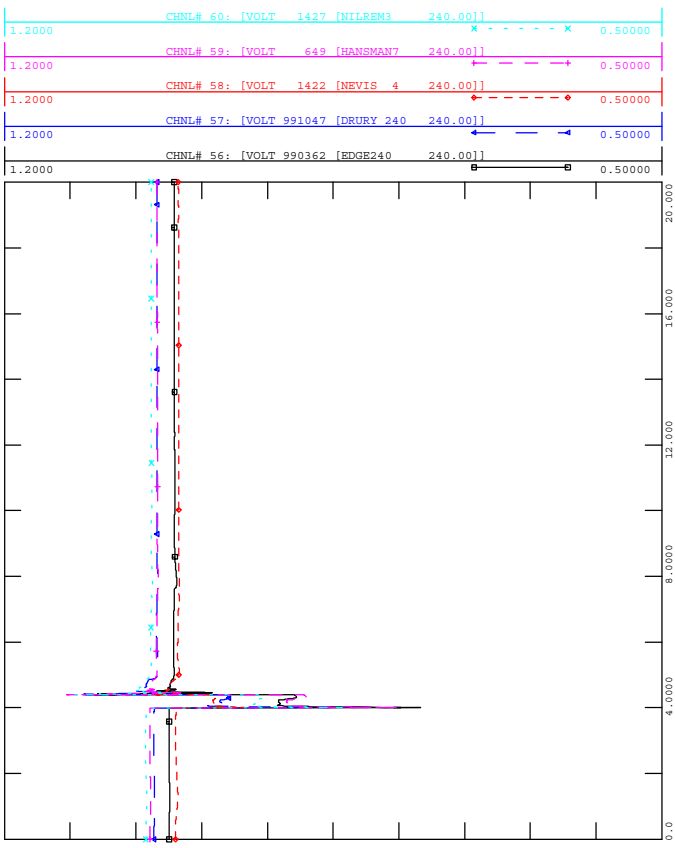
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L224_S1752_650S-Hansman Lak

TUE, NOV 29 2016 9:10

BUS VOLTAGE

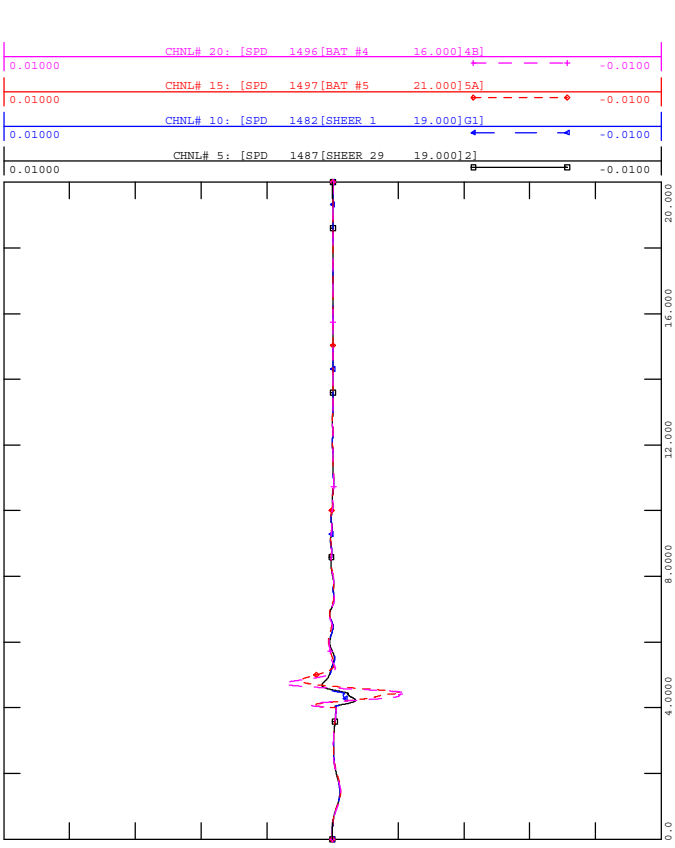


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L224_S1752_650S-Hansman Lak

TUE, NOV 29 2016 9:10

MACHINE SPEED

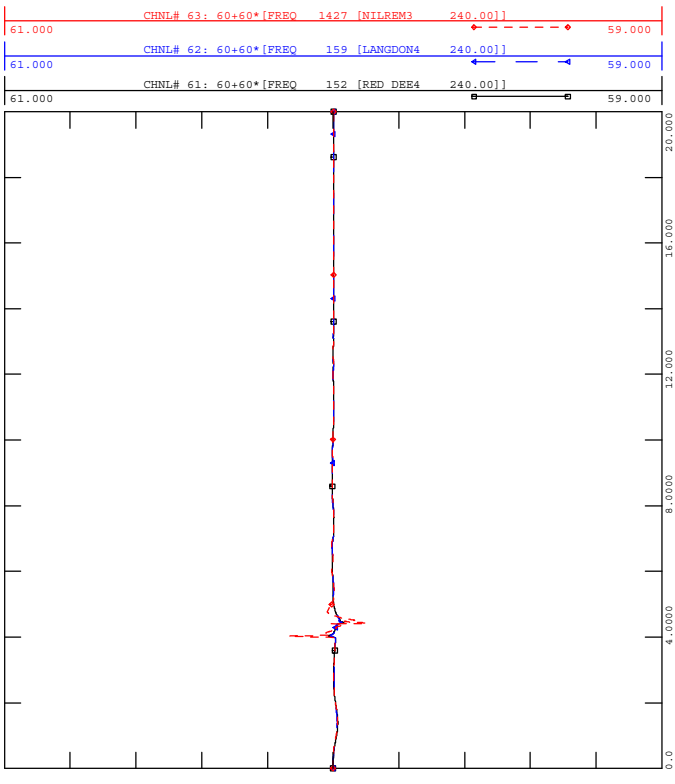


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L224_S1752_650S-Hansman Lak

TUE, NOV 29 2016 9:10

FREQUENCY

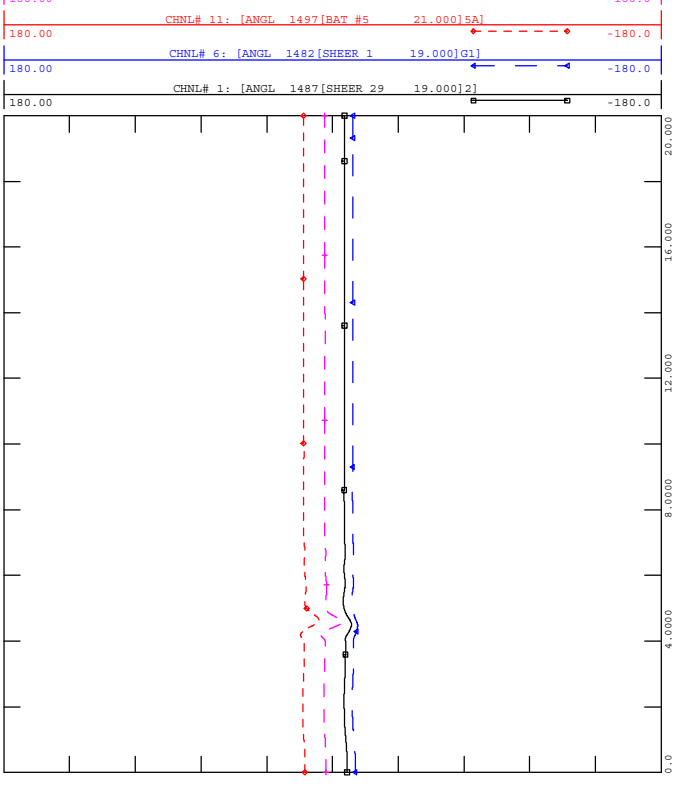


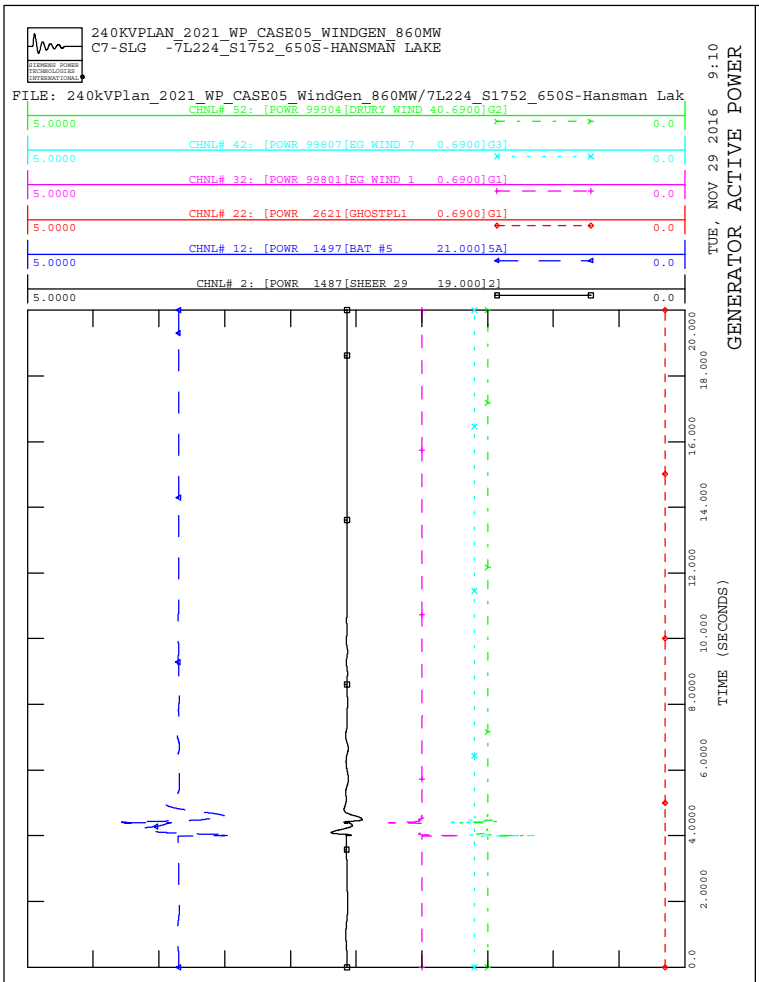
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE

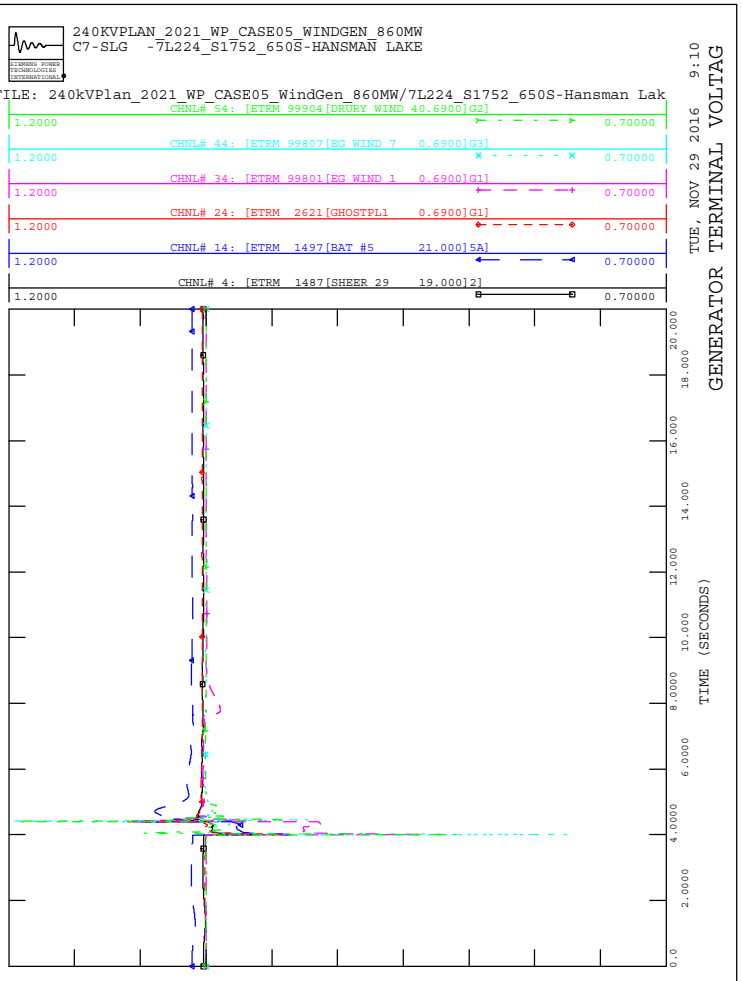
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L224_S1752_650S-Hansman Lak

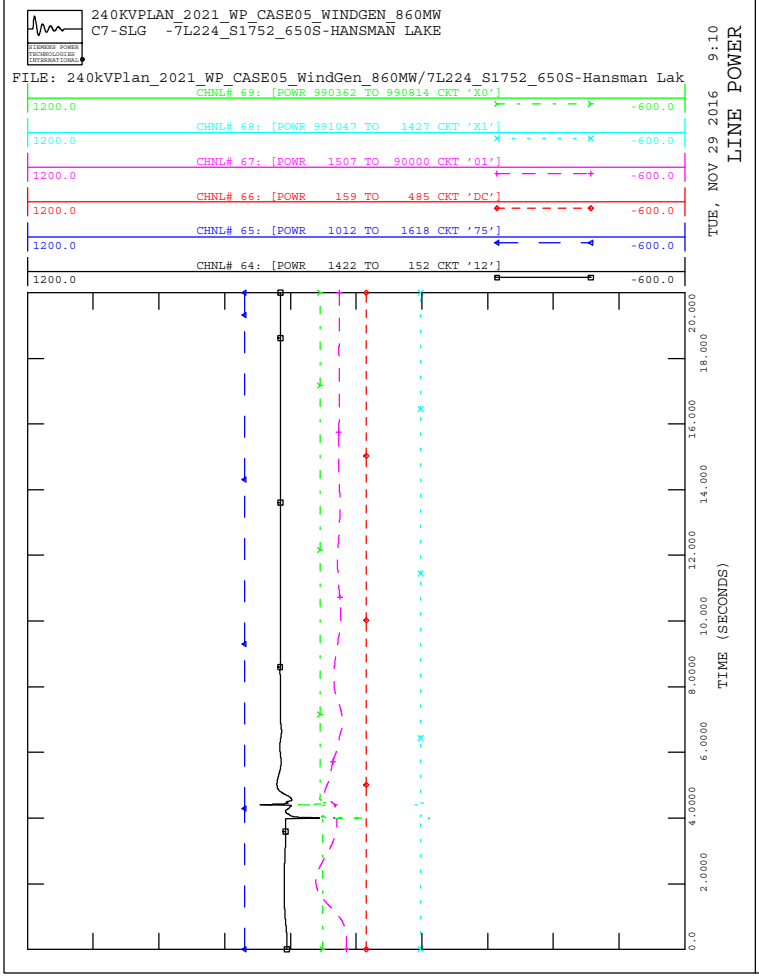
TUE, NOV 29 2016 9:10

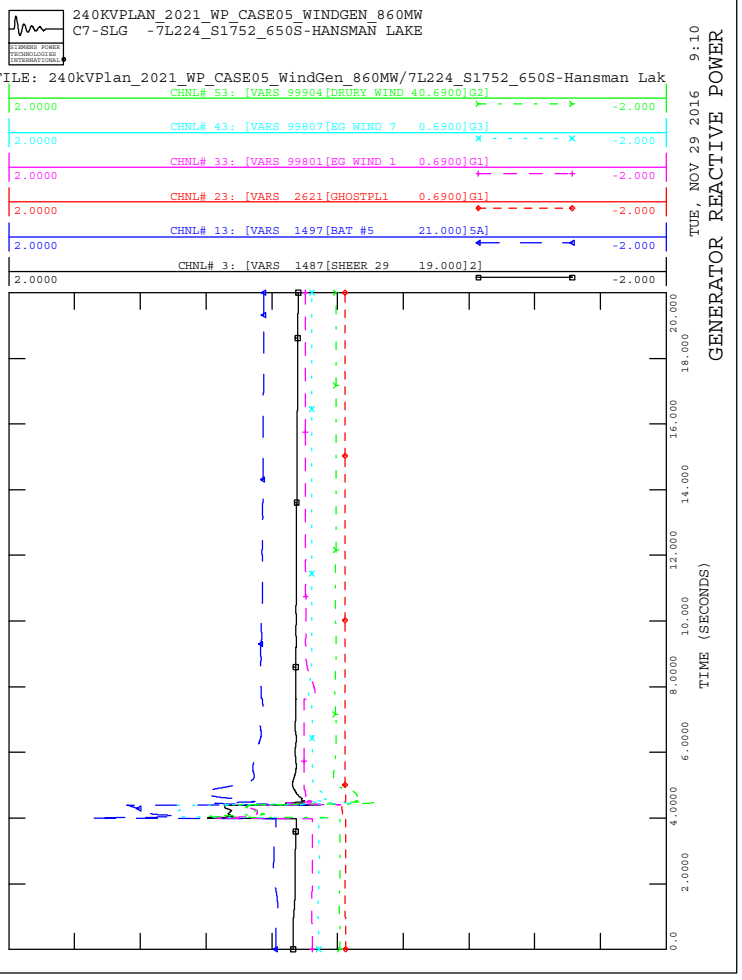
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L224_S1752_650S-Hansman Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L224_S1752_650S-Hansman Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L224_S1752_650S-Hansman Lak
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)

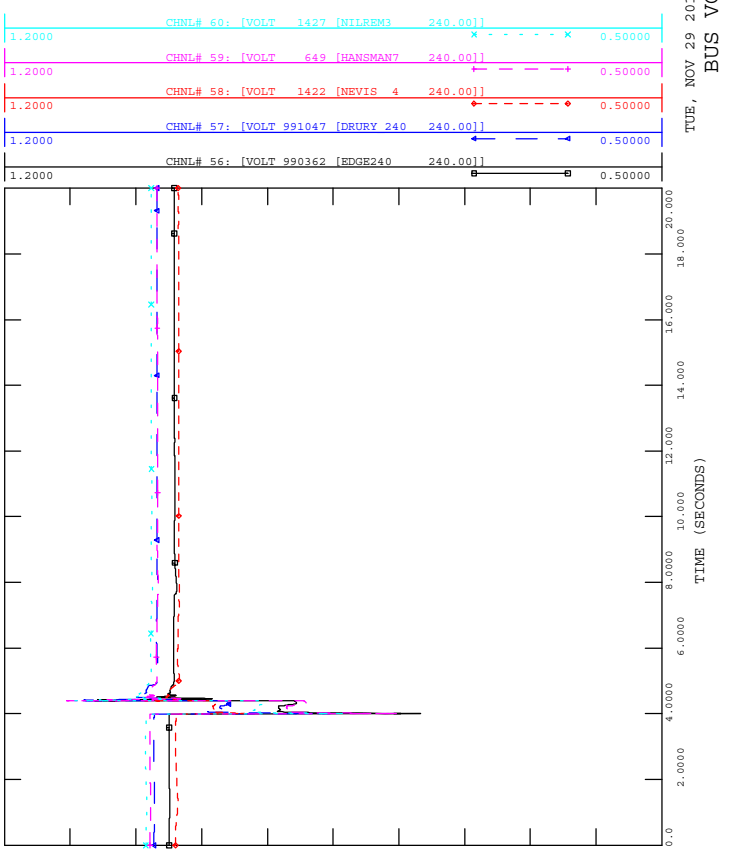

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L224_S1752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L224_S1752_650S-Hansman Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S1752_650S-Hansman Lake

TUE, NOV 29 2016 9:10

BUS VOLTAGE

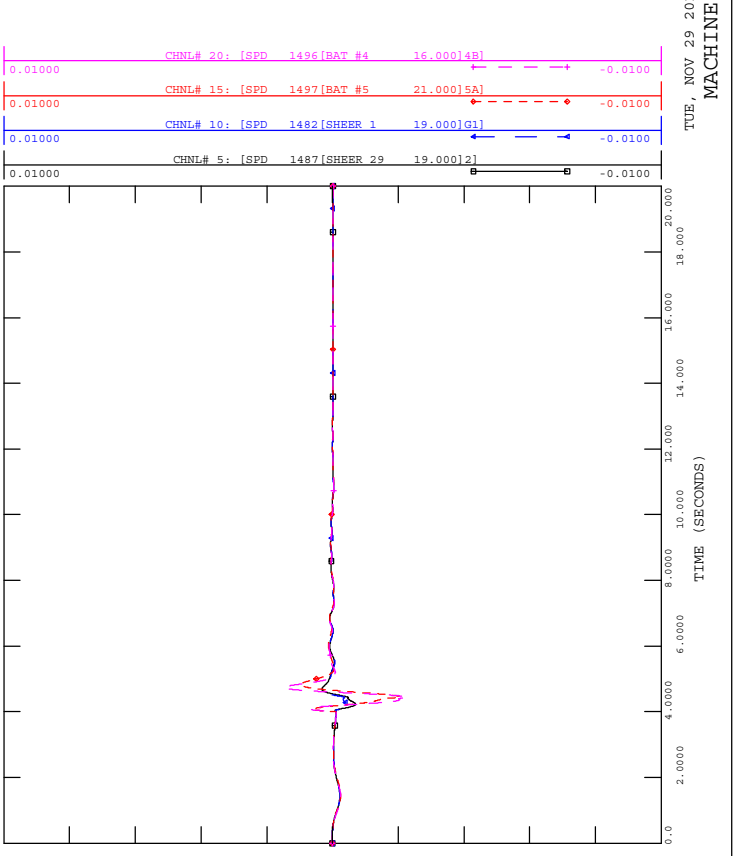


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S1752_650S-Hansman Lake

TUE, NOV 29 2016 9:10

MACHINE SPEED

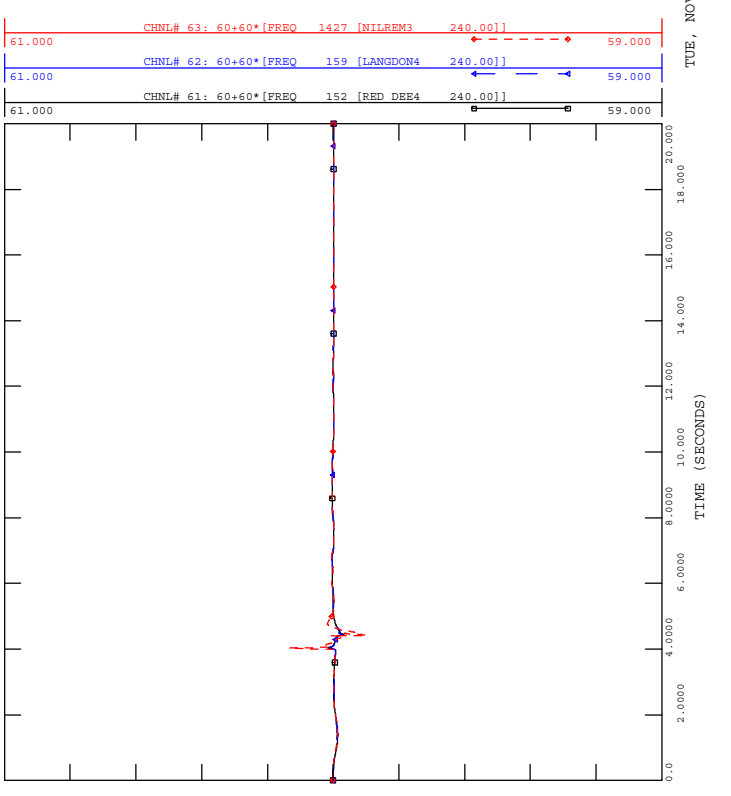


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S1752_650S-Hansman Lake

TUE, NOV 29 2016 9:10

FREQUENCY

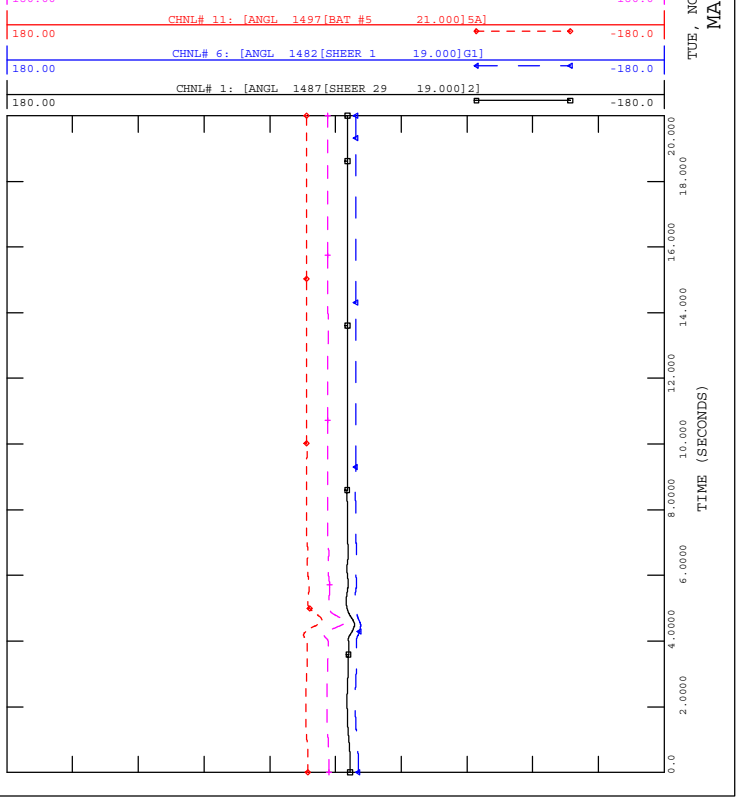


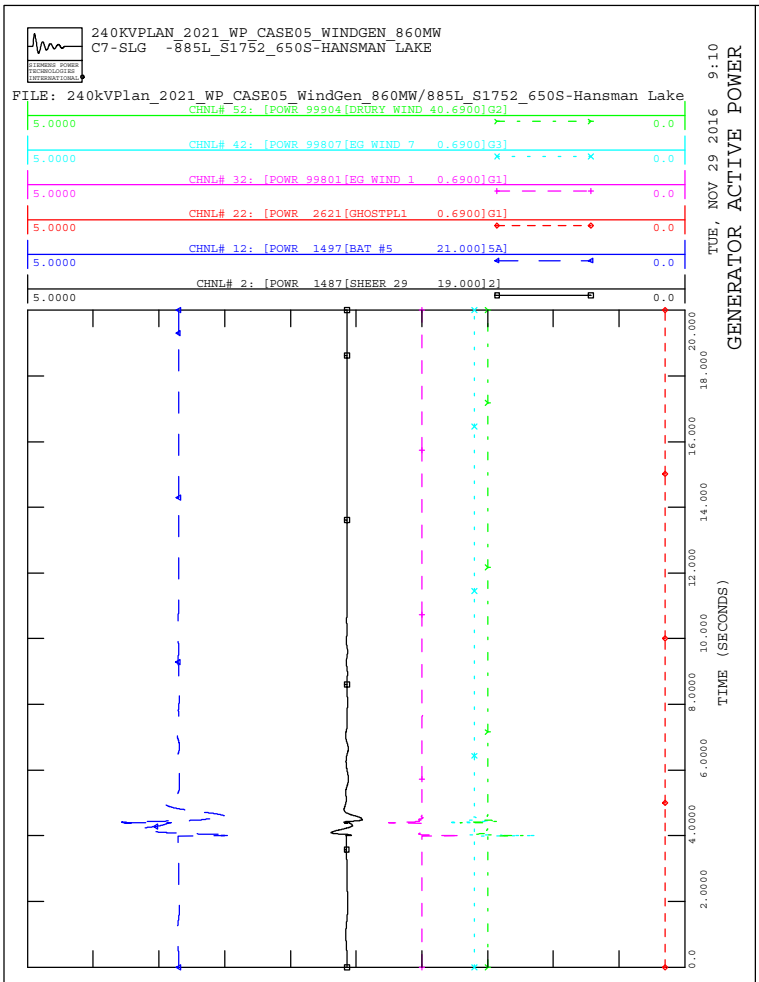
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE

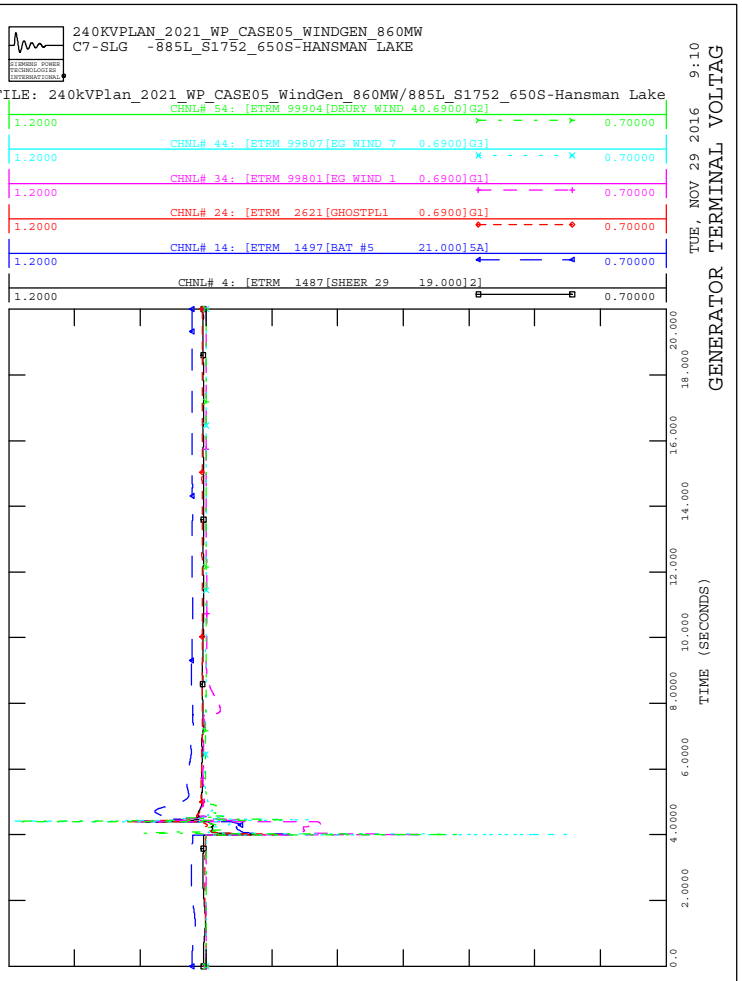
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S1752_650S-Hansman Lake

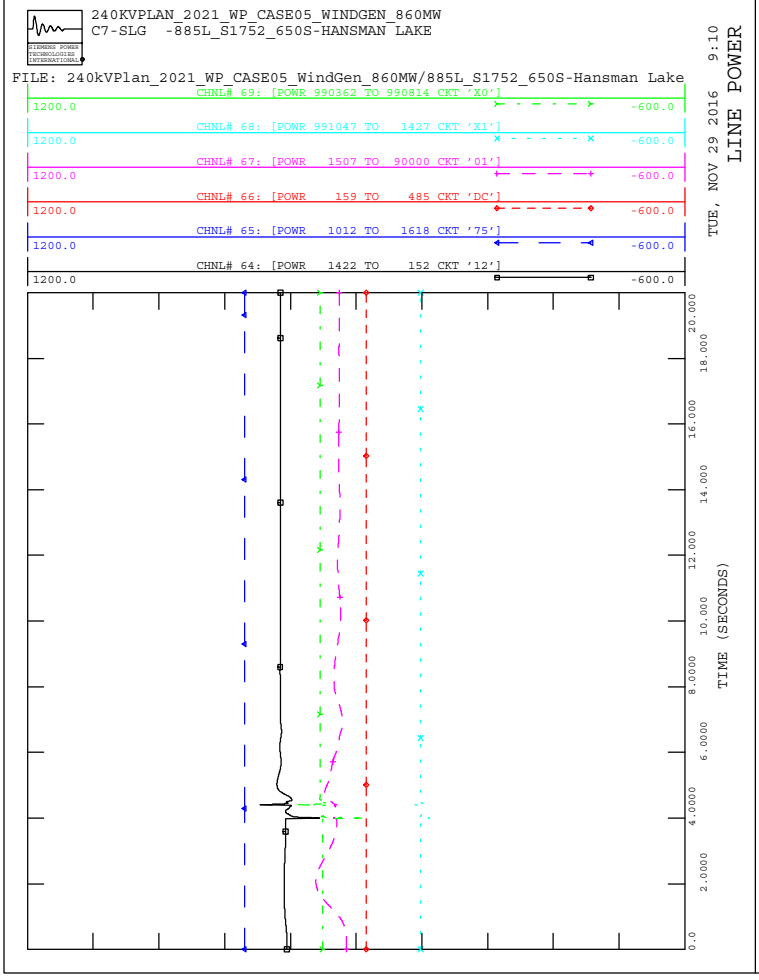
TUE, NOV 29 2016 9:10

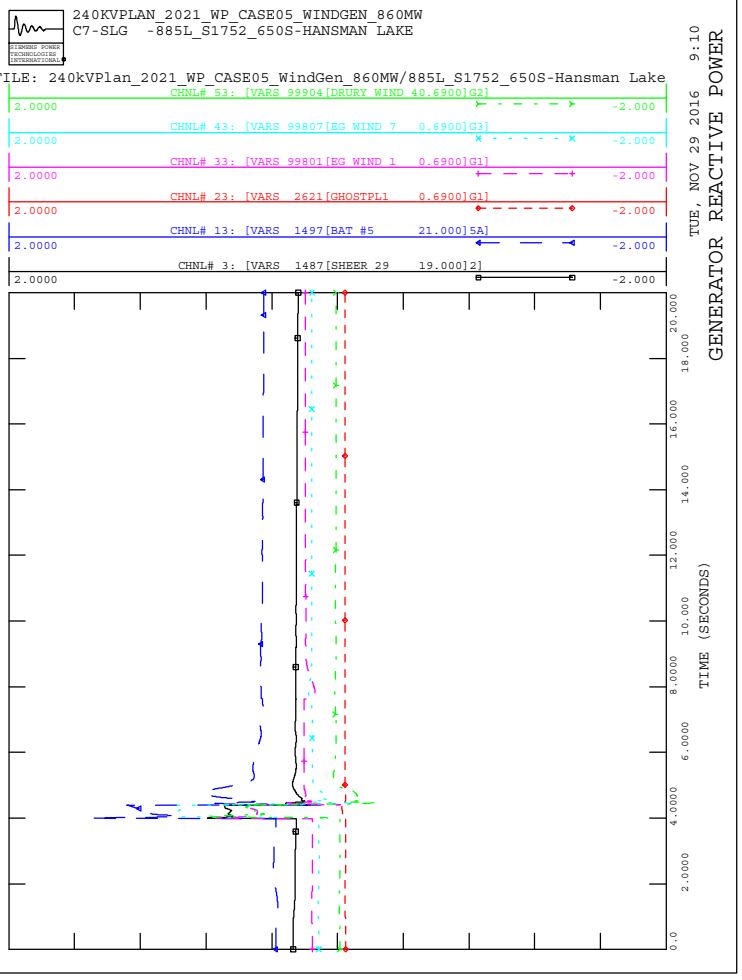
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S1752_650S-Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S1752_650S-Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S1752_650S-Hansman Lake
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)

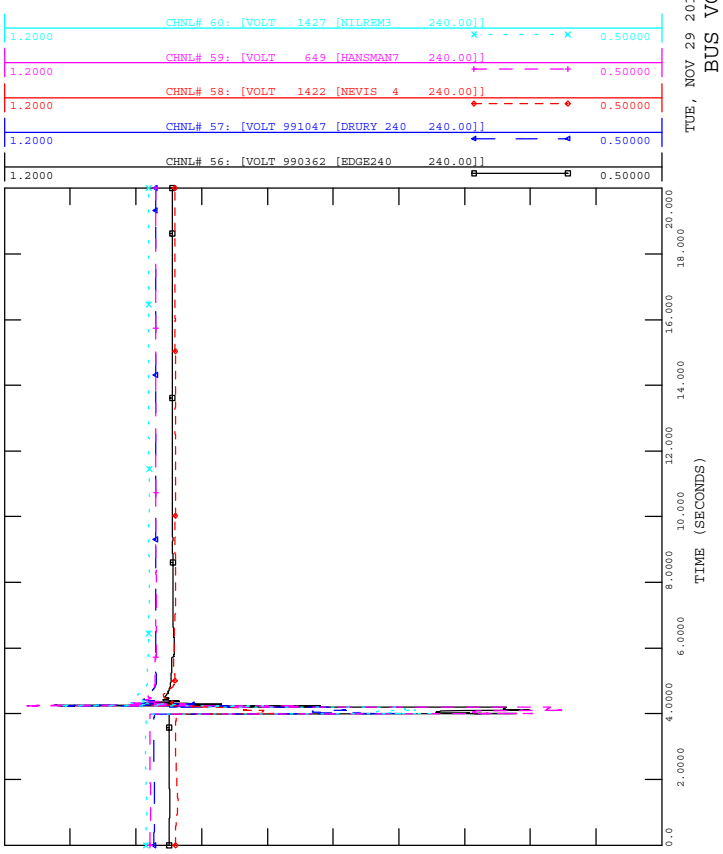

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -885L_S1752_650S-HANSMAN_LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/885L_S1752_650S-Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L_S852_650S-Hansman Lake.

TUE, NOV 29 2016 9:10

BUS VOLTAGE

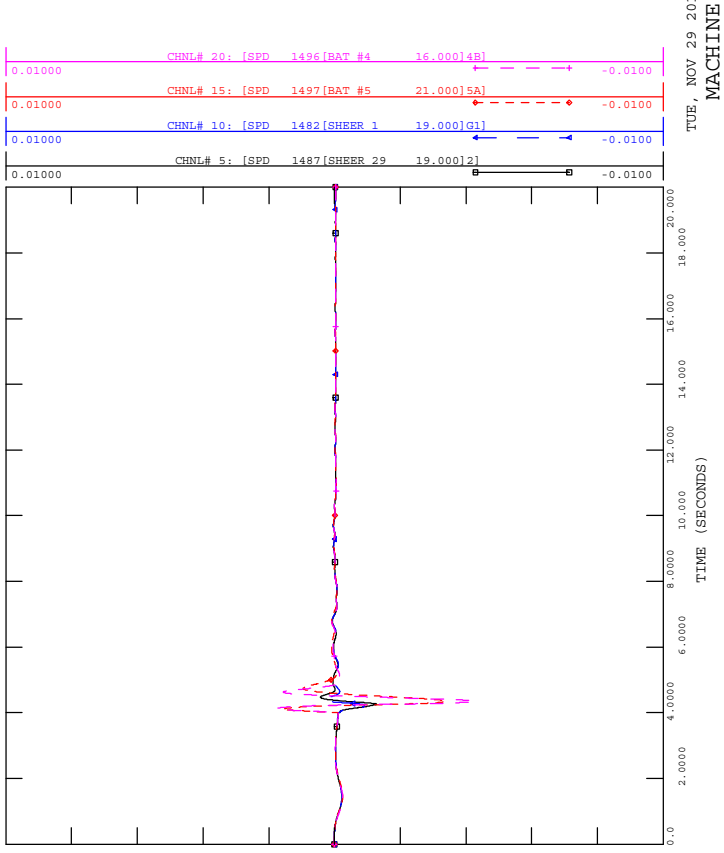


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L_S852_650S-Hansman Lake.

TUE, NOV 29 2016 9:10

MACHINE SPEED

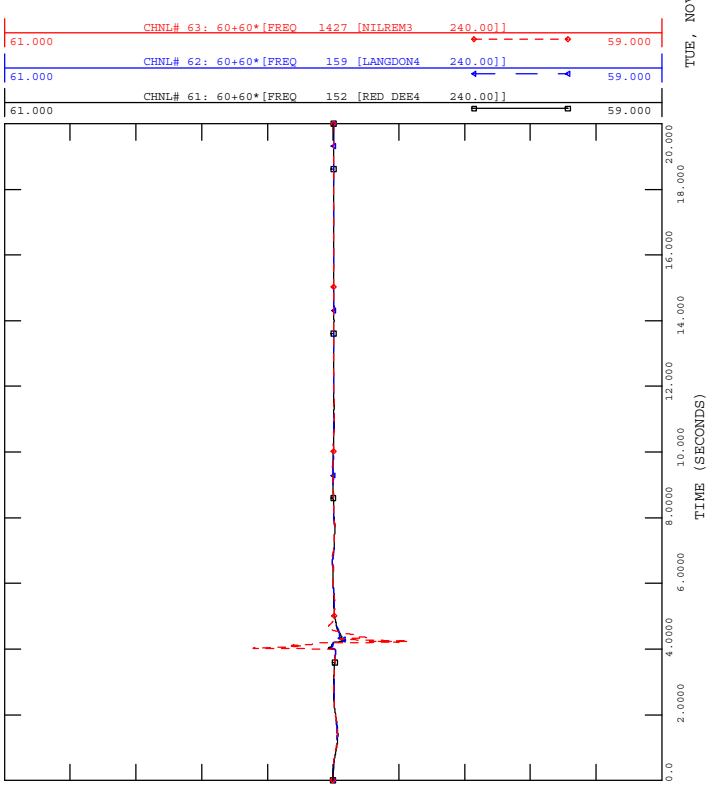


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L_S852_650S-Hansman Lake.

TUE, NOV 29 2016 9:10

FREQUENCY

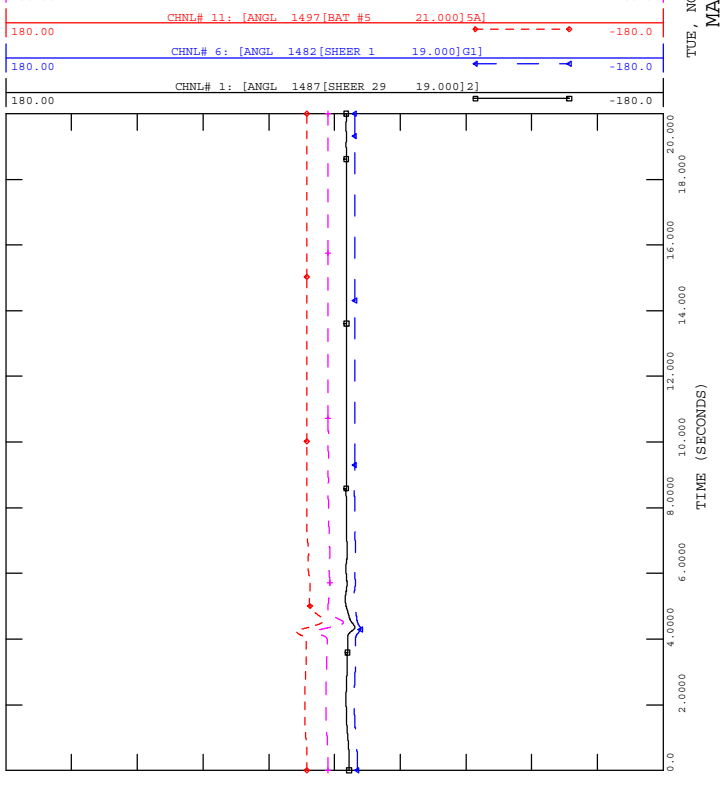


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L_S852_650S-Hansman Lake.

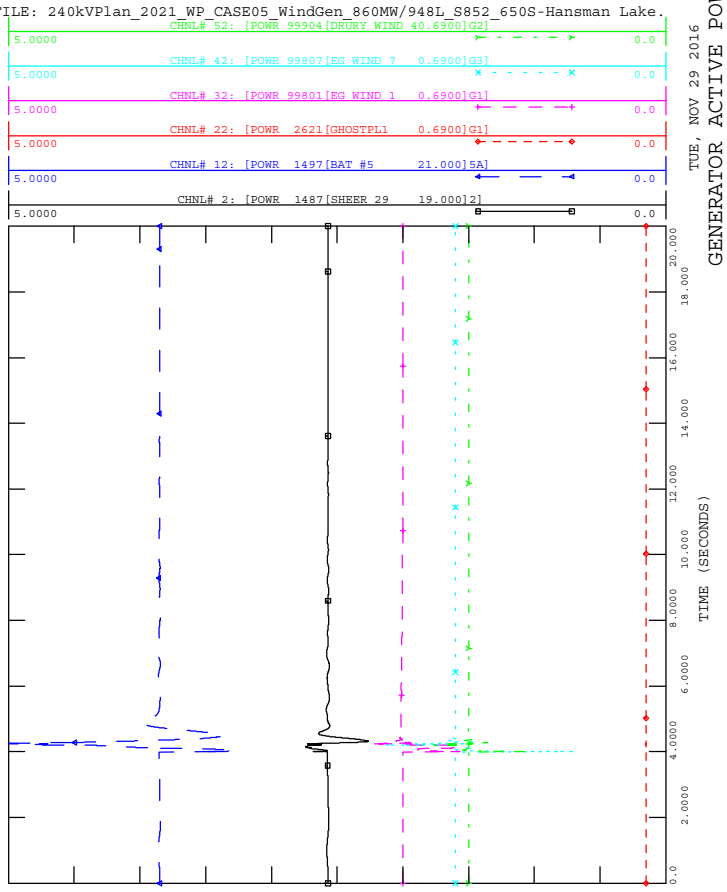
TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L_S852_650S-Hansman Lake.

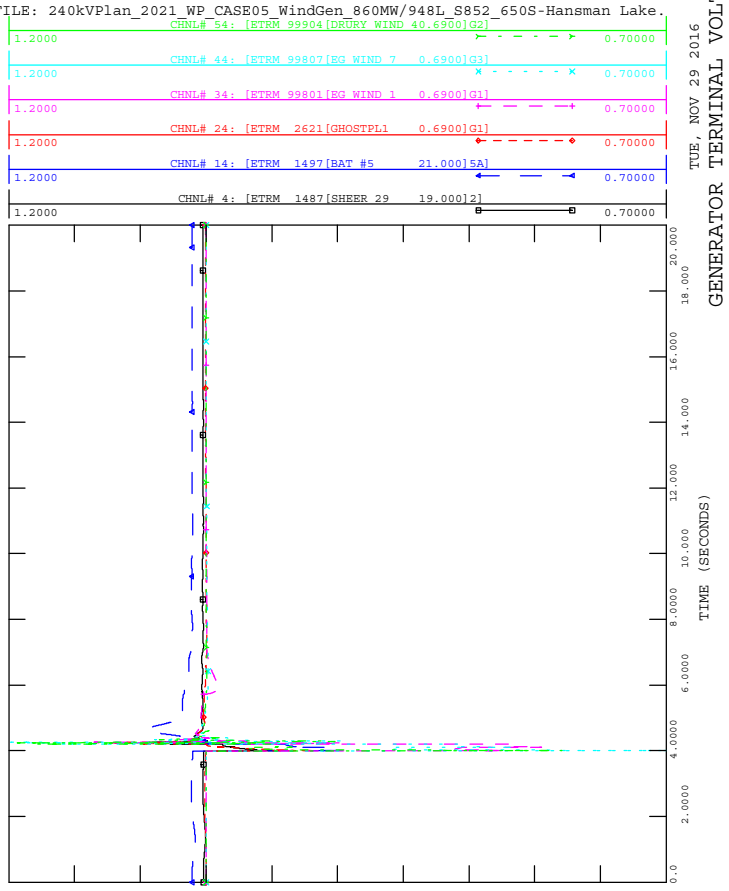


TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L_S852_650S-Hansman Lake.

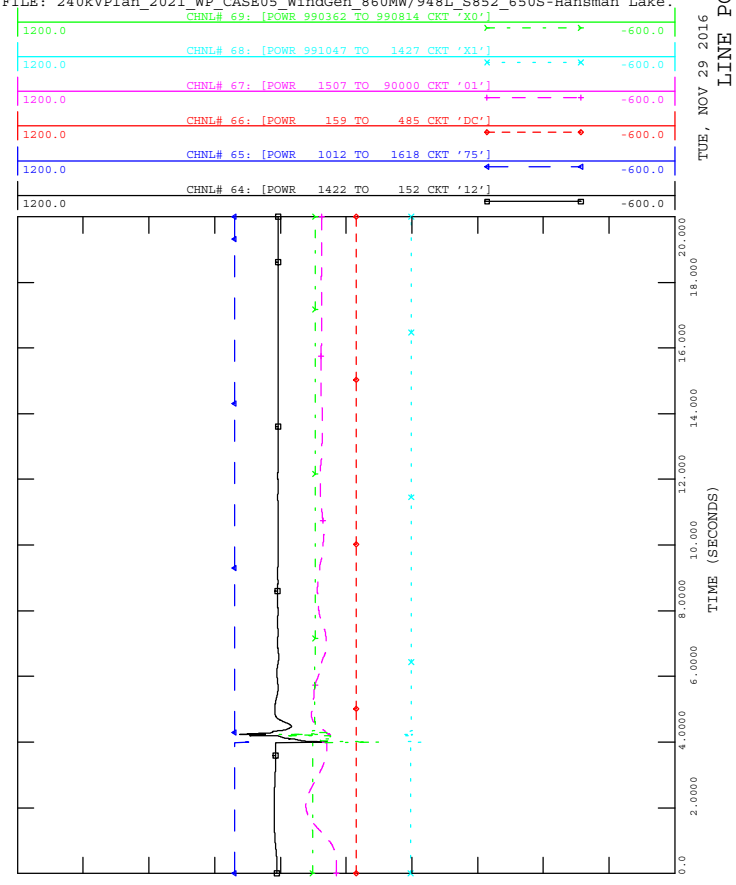


TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L_S852_650S-Hansman Lake.

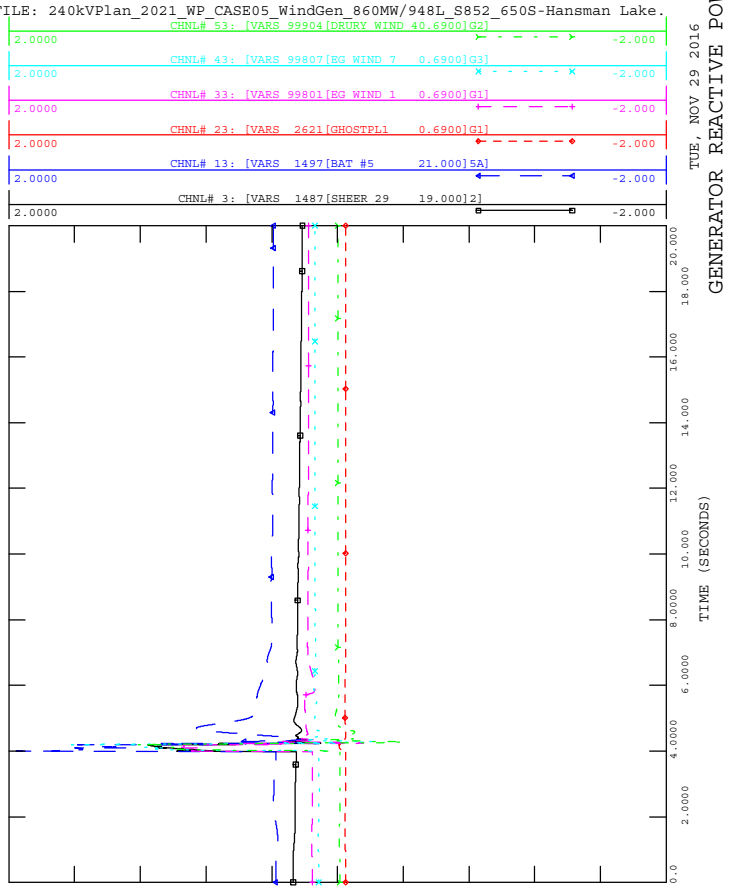


TUE, NOV 29 2016 9:10

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -948L_S852_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/948L_S852_650S-Hansman Lake.



TUE, NOV 29 2016 9:10

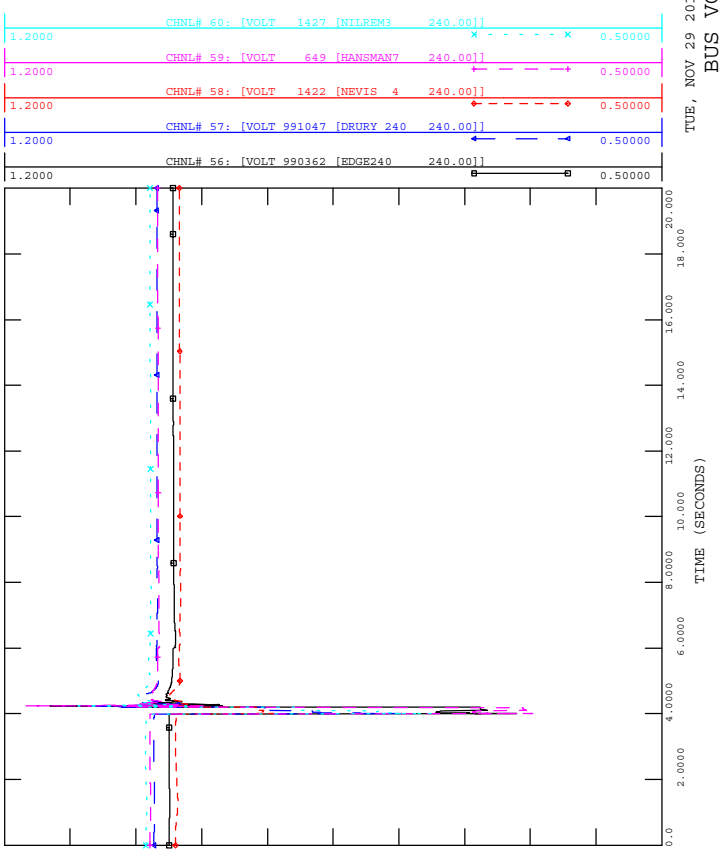
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_S552_650S-Hansman Lake

TUE, NOV 29 2016 9:10

BUS VOLTAGE

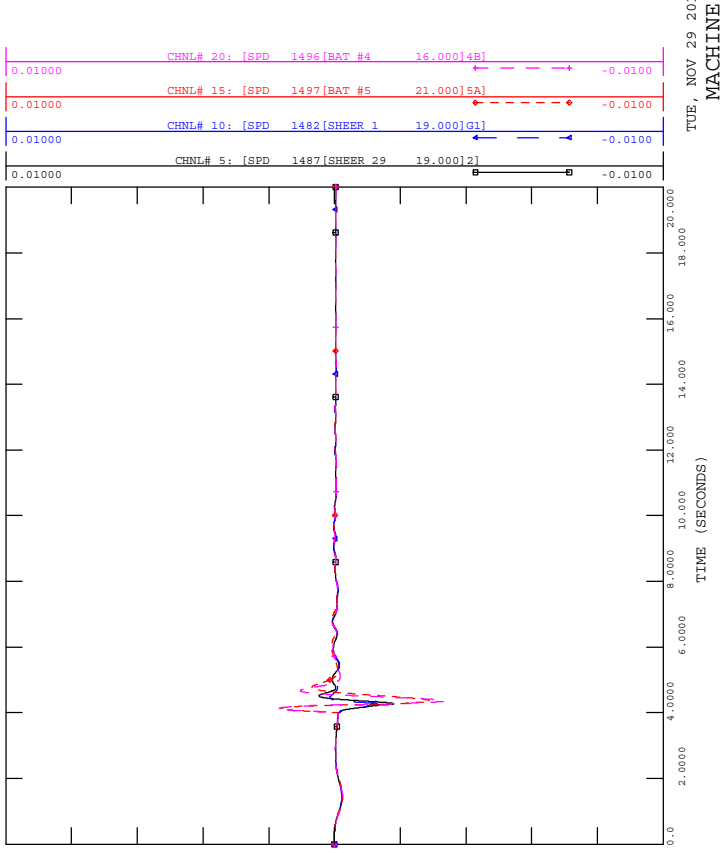


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_S552_650S-Hansman Lake

TUE, NOV 29 2016 9:10

MACHINE SPEED

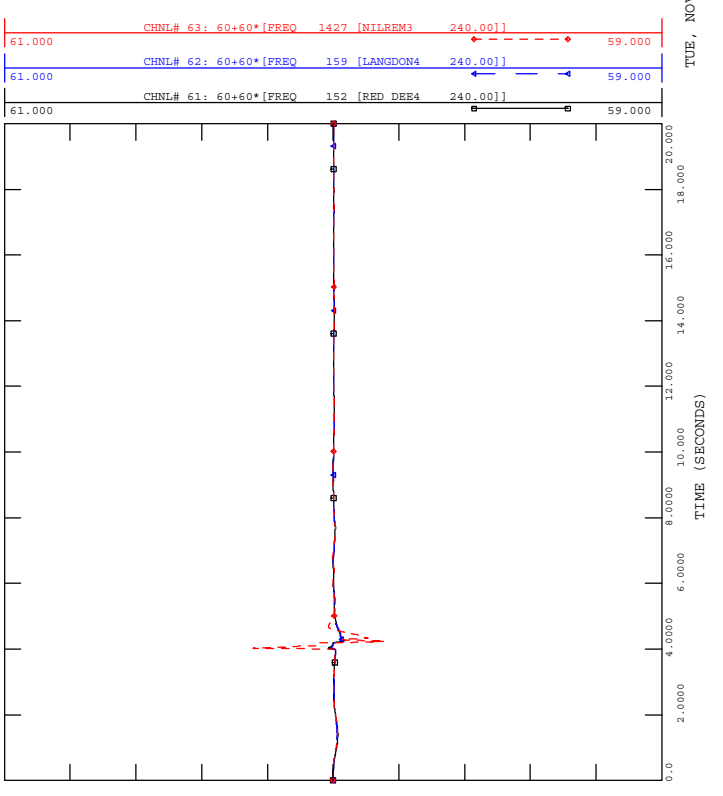


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN_LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_S552_650S-Hansman Lake

TUE, NOV 29 2016 9:10

FREQUENCY

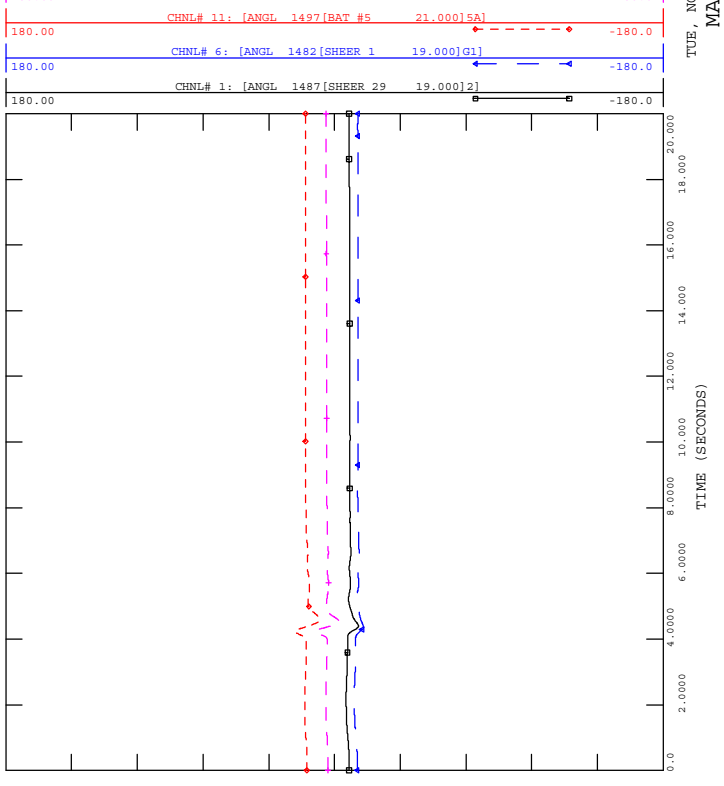


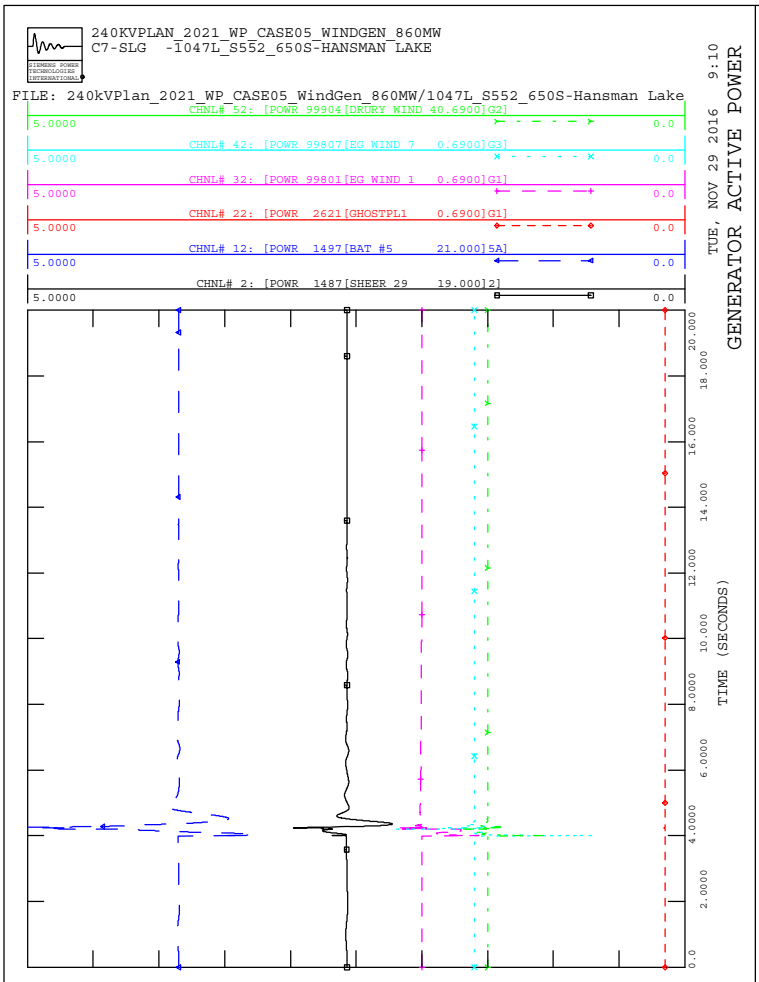
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN_LAKE

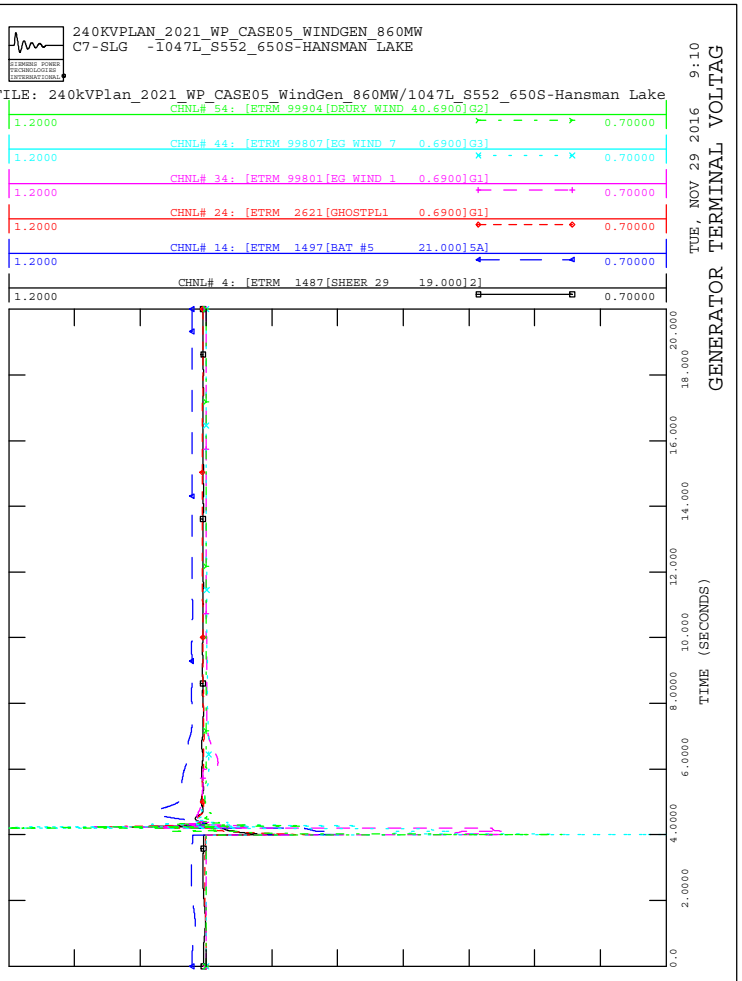
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_S552_650S-Hansman Lake

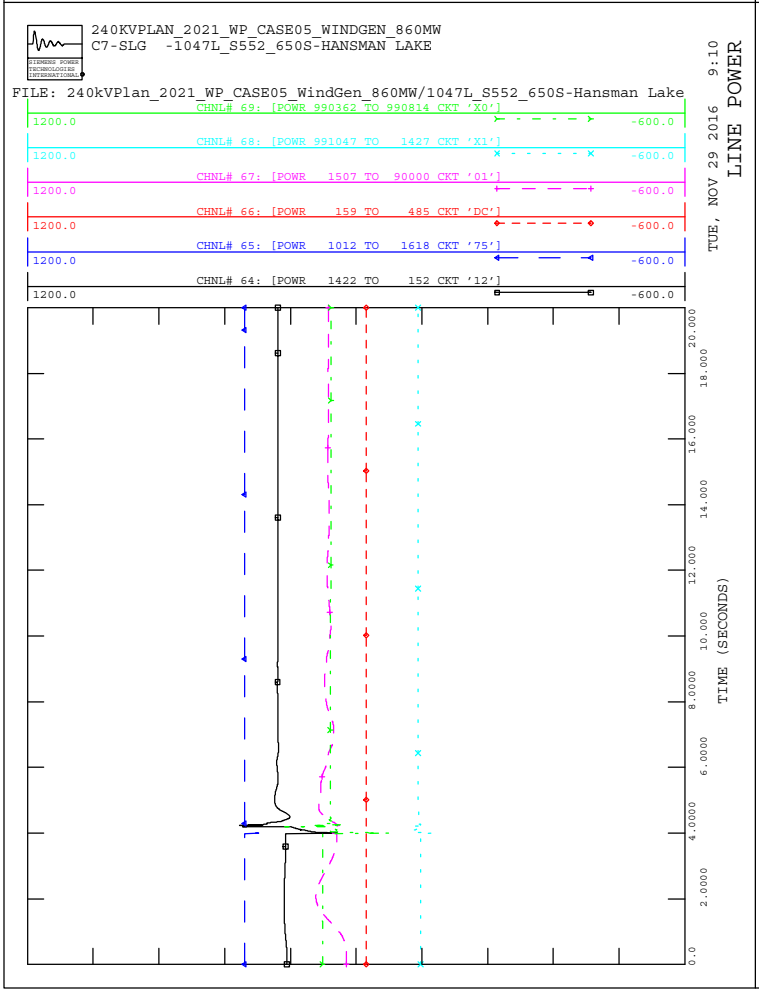
TUE, NOV 29 2016 9:10

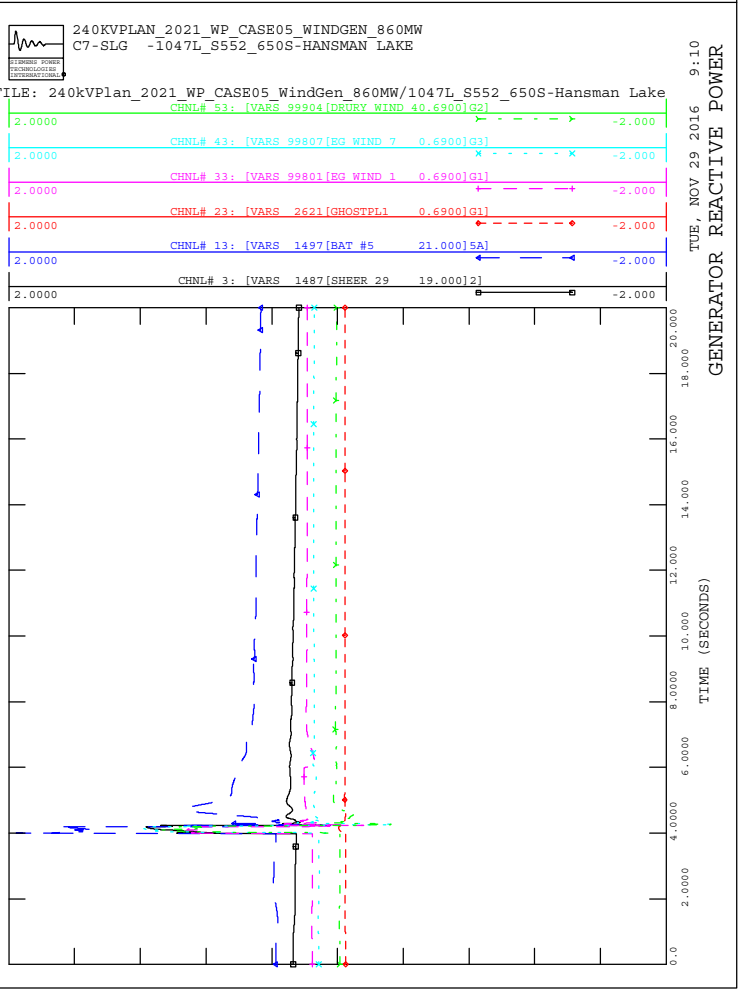
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_S552_650S-Hansman Lake
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_S552_650S-Hansman Lake
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_S552_650S-Hansman Lake
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)

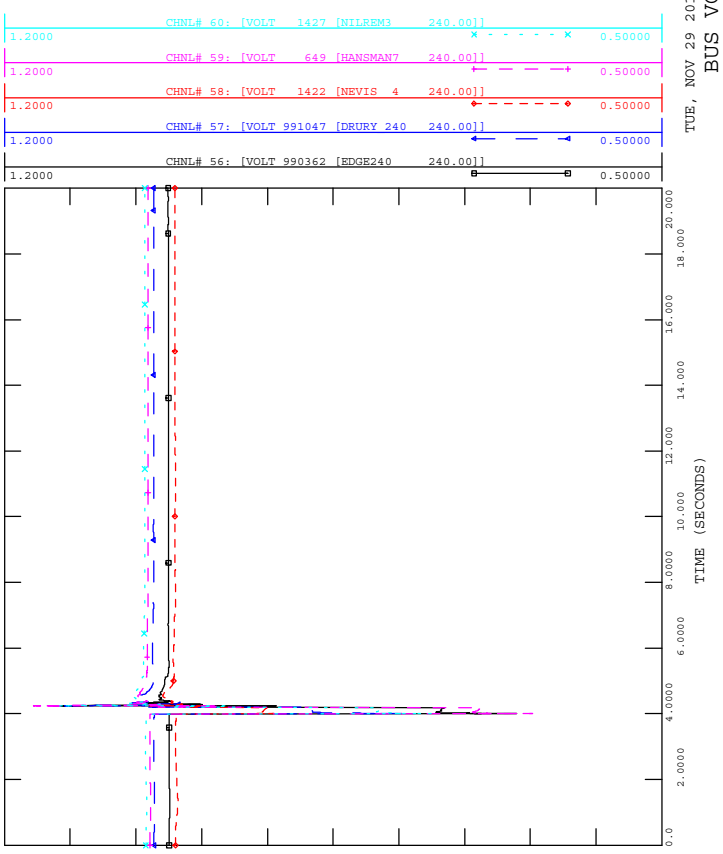

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_S552_650S-Hansman Lake
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S752_650S-Hansman Lake.

TUE, NOV 29 2016 9:10

BUS VOLTAGE

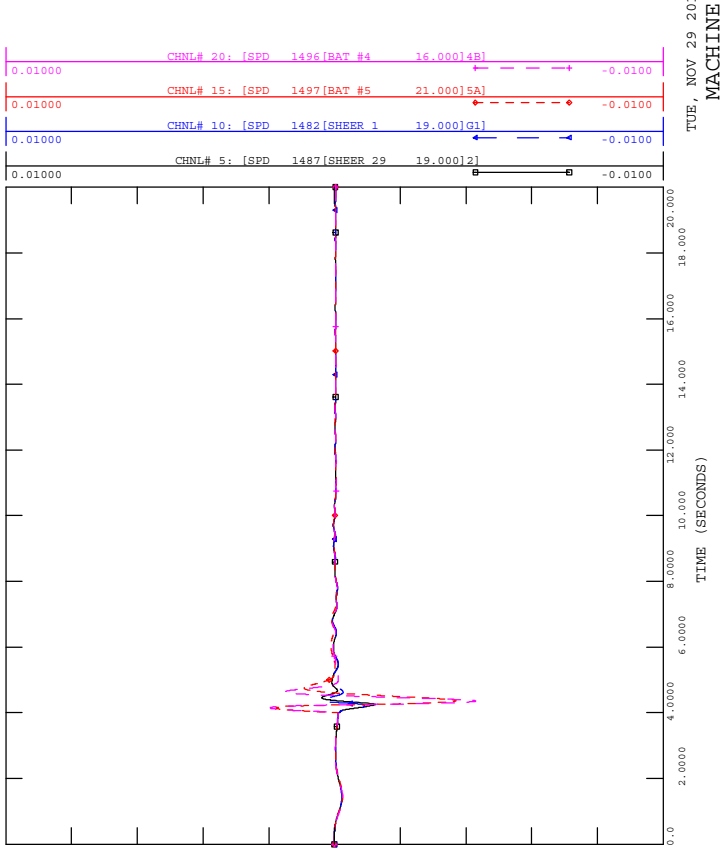


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S752_650S-Hansman Lake.

TUE, NOV 29 2016 9:10

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S752_650S-Hansman Lake.

TUE, NOV 29 2016 9:10

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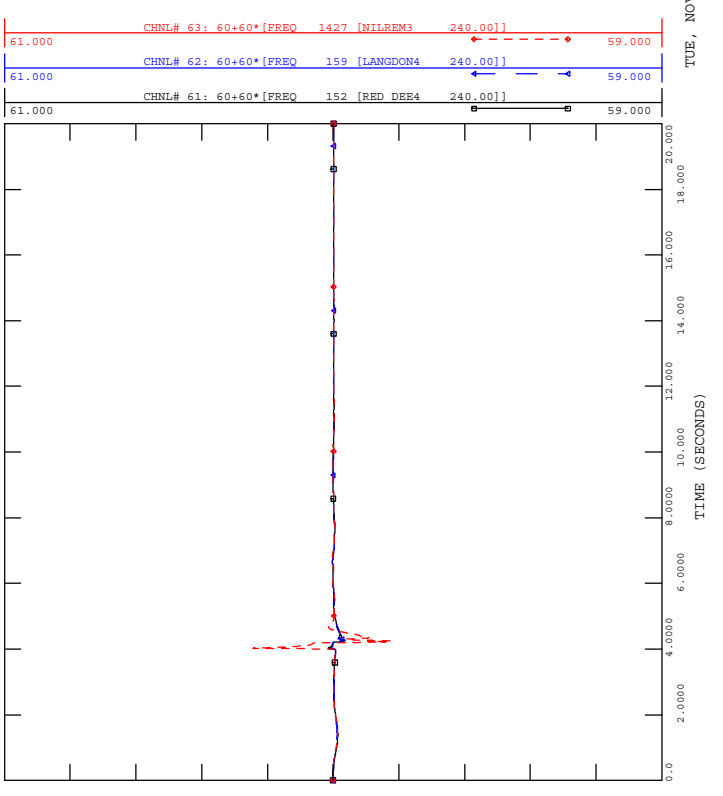
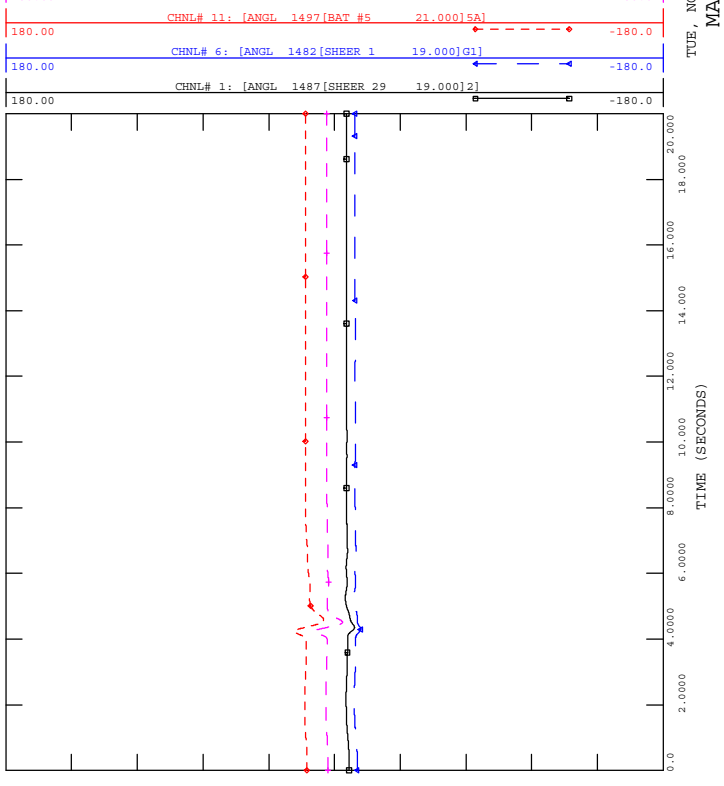


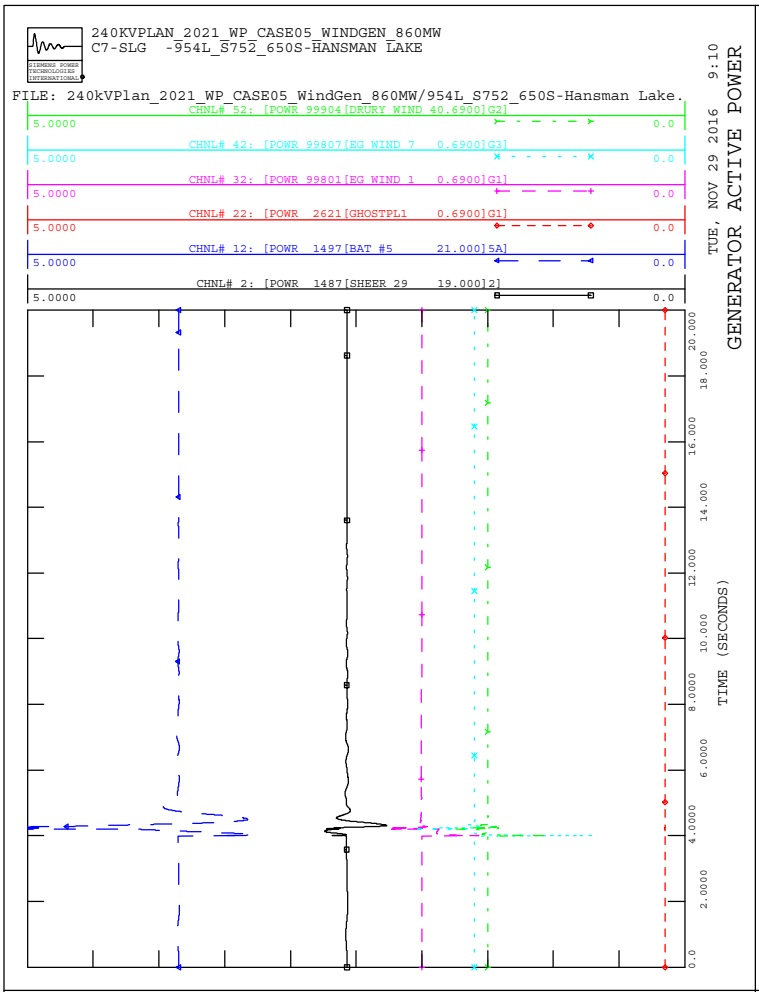
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S752_650S-HANSMAN LAKE

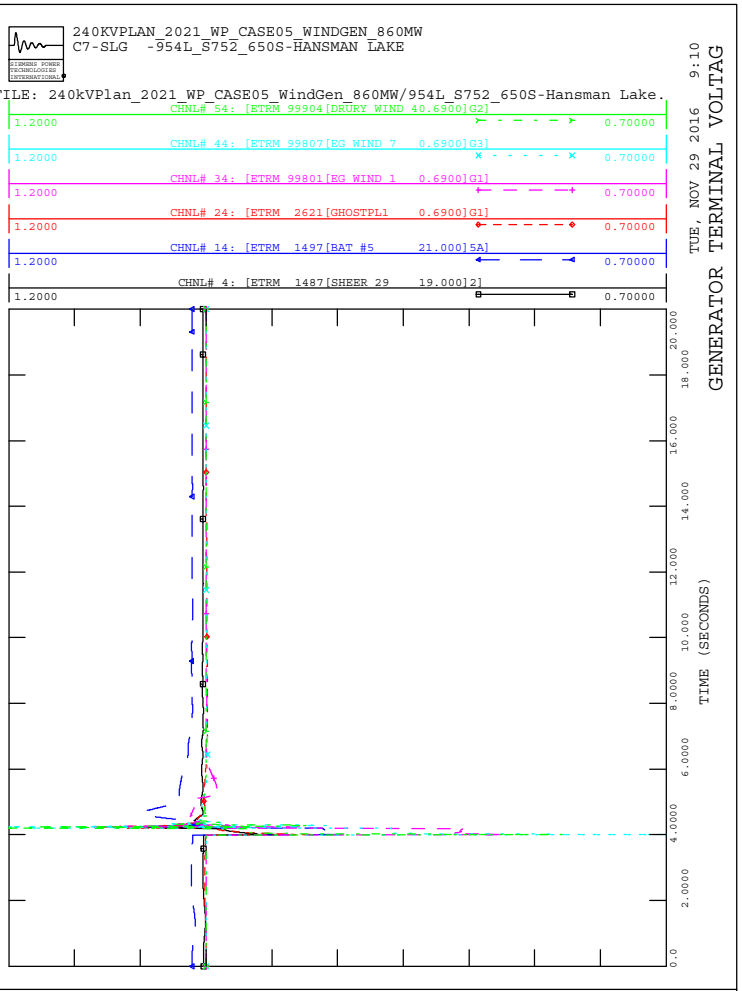
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S752_650S-Hansman Lake.

TUE, NOV 29 2016 9:10

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S752_650S-Hansman Lake.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S752_650S-Hansman Lake.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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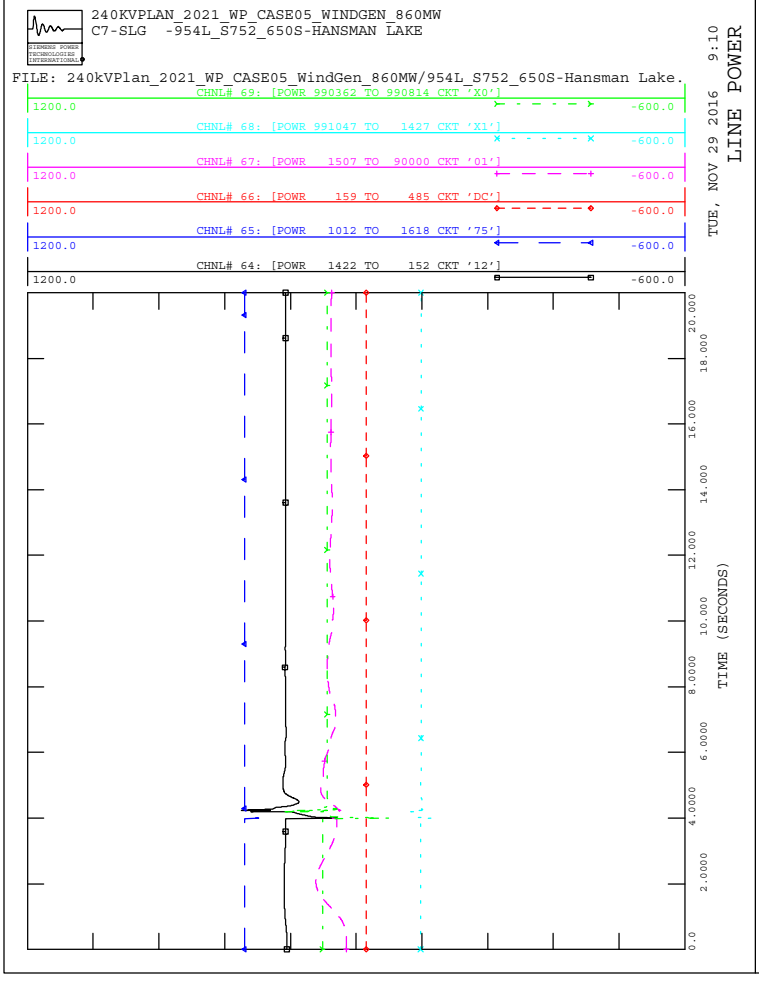
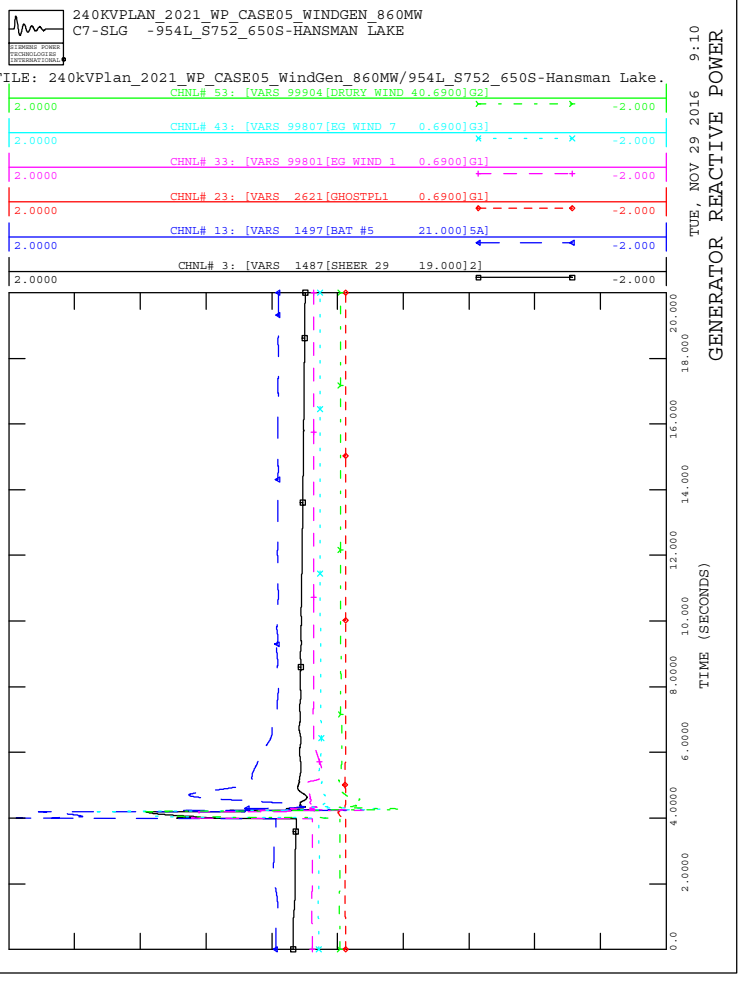
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S752_650S-Hansman Lake.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

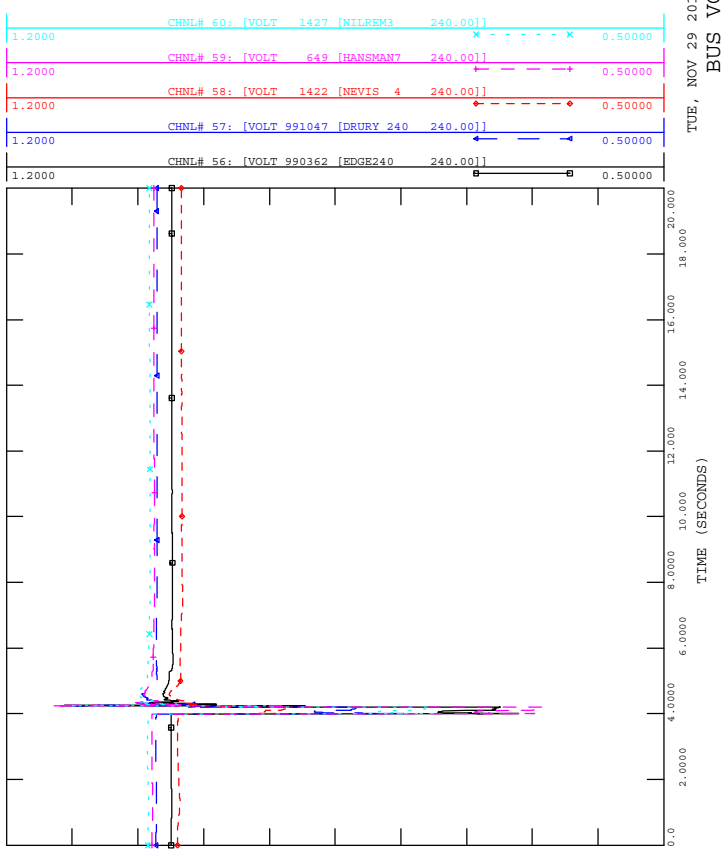

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -954L_S752_650S-HANSMAN LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/954L_S752_650S-Hansman Lake.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/966L_S452_650S-Hansman Lake.

TUE, NOV 29 2016 9:10

BUS VOLTAGE

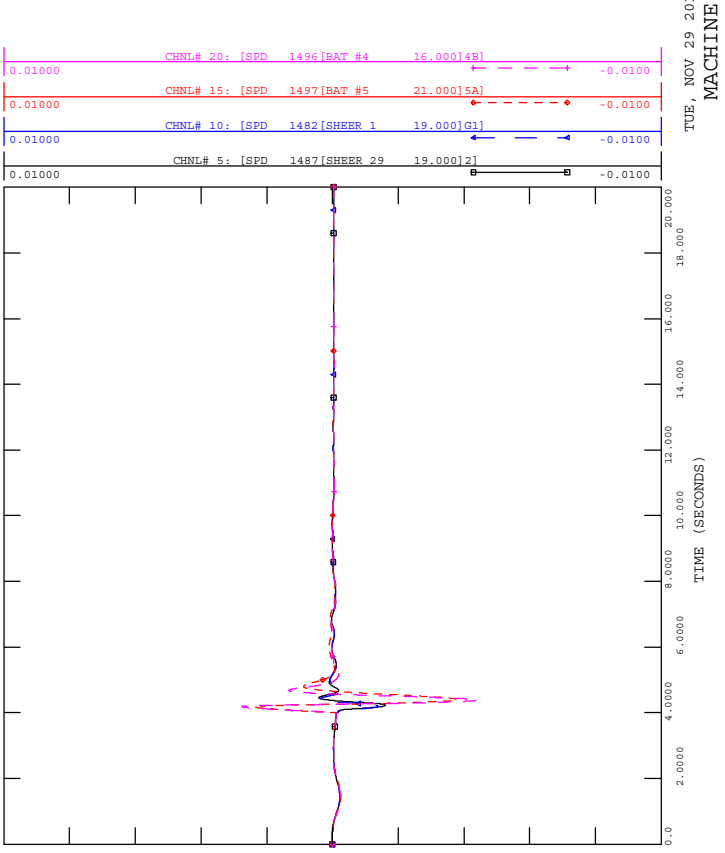


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/966L_S452_650S-Hansman Lake.

TUE, NOV 29 2016 9:10

MACHINE SPEED

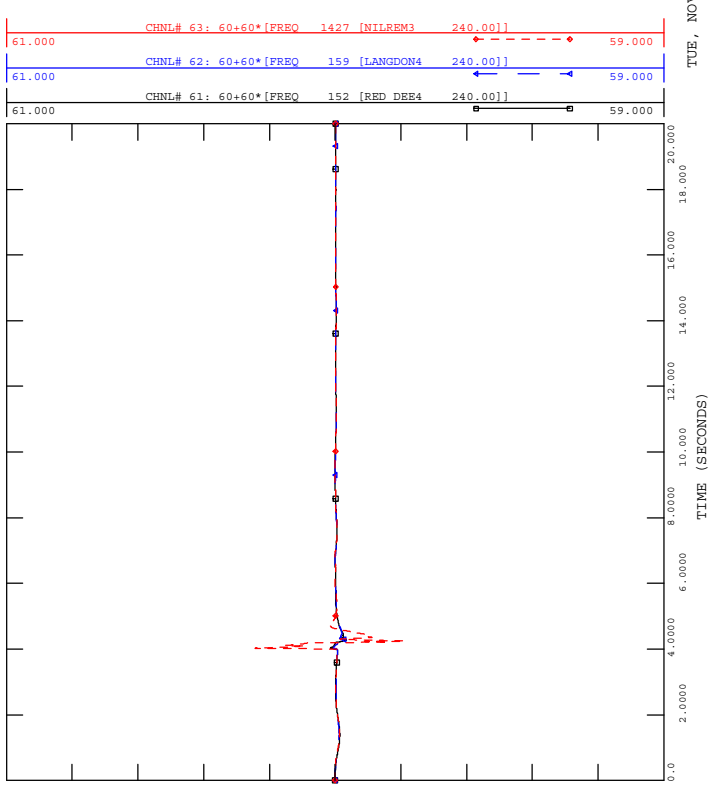


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/966L_S452_650S-Hansman Lake.

TUE, NOV 29 2016 9:10

FREQUENCY

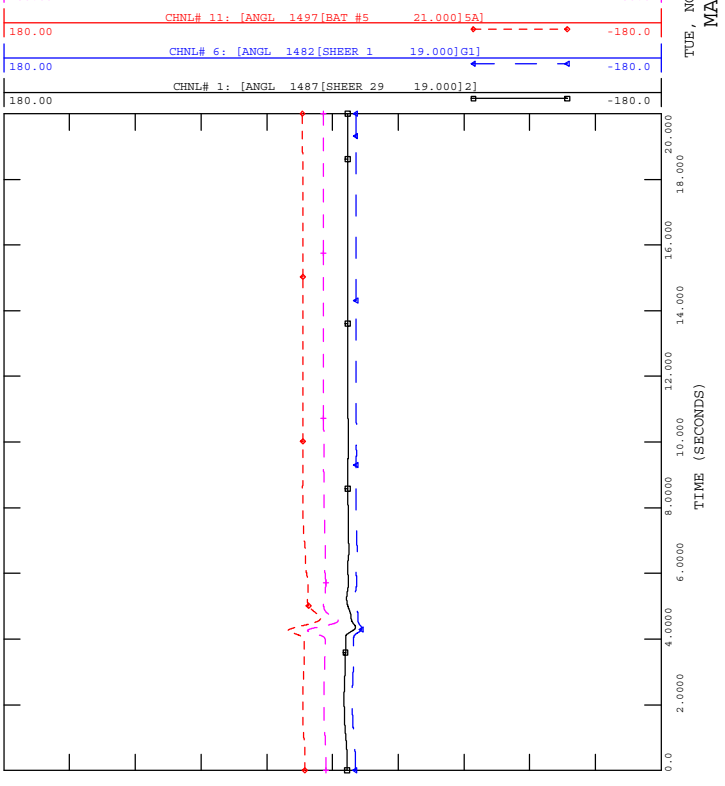


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/966L_S452_650S-Hansman Lake.

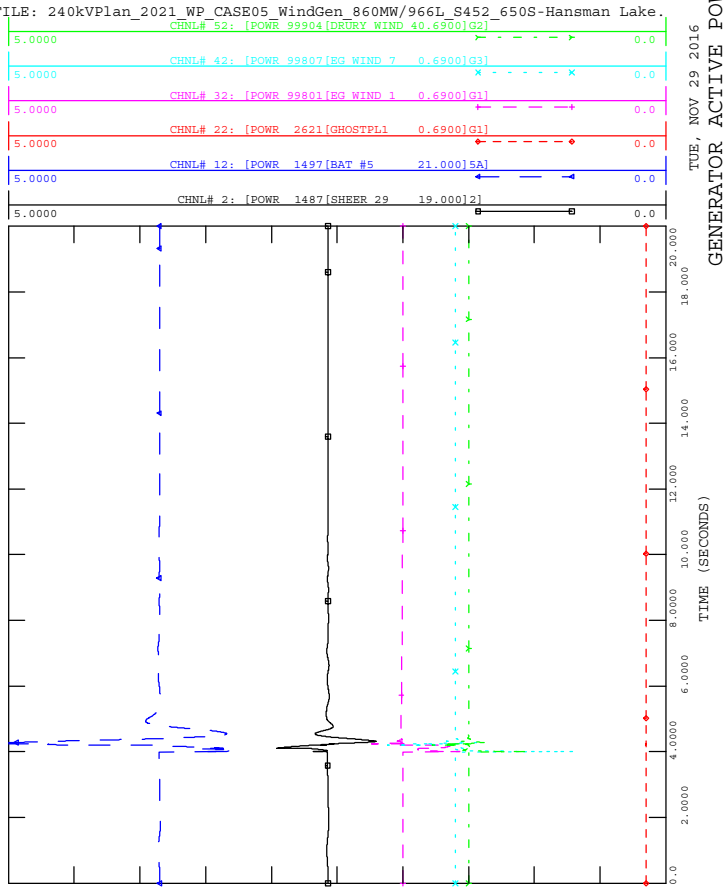
TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/966L_S452_650S-Hansman Lake.

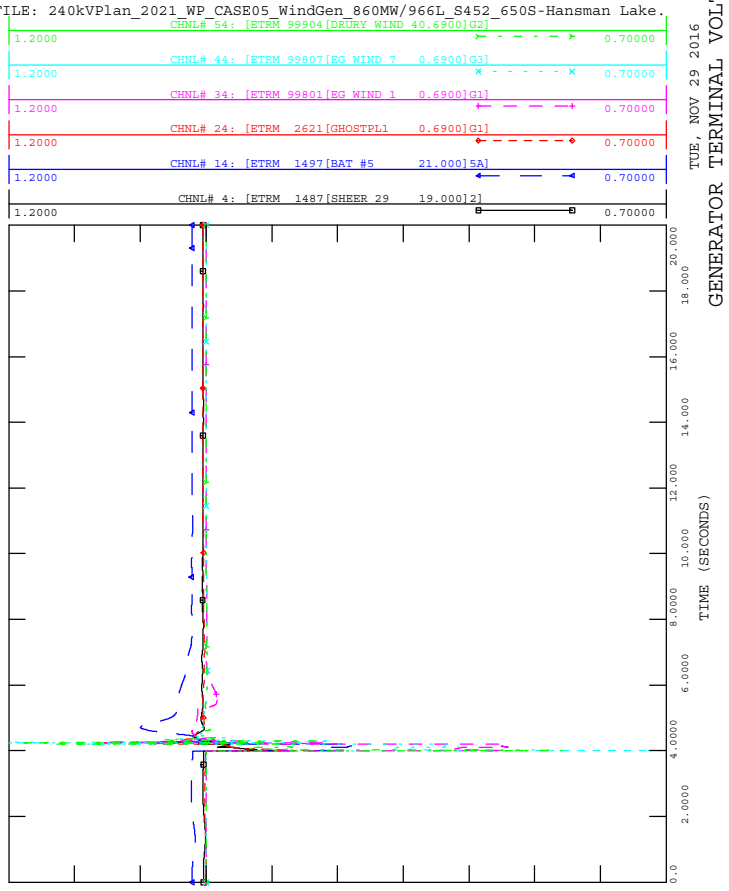


TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/966L_S452_650S-Hansman Lake.

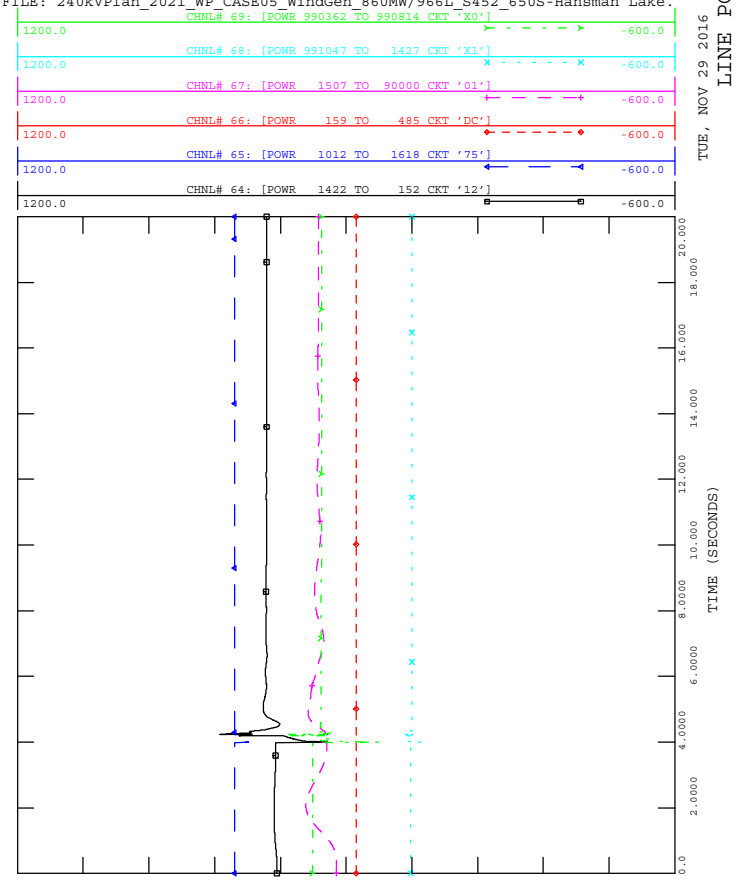


TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/966L_S452_650S-Hansman Lake.

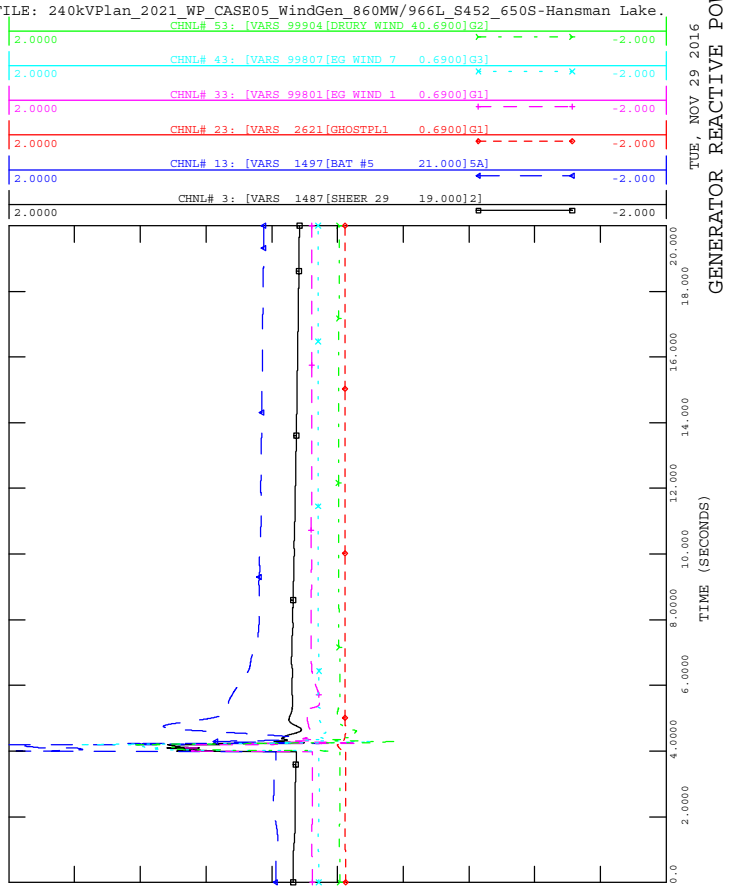


TUE, NOV 29 2016 9:10

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -966L_S452_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/966L_S452_650S-Hansman Lake.



TUE, NOV 29 2016 9:10

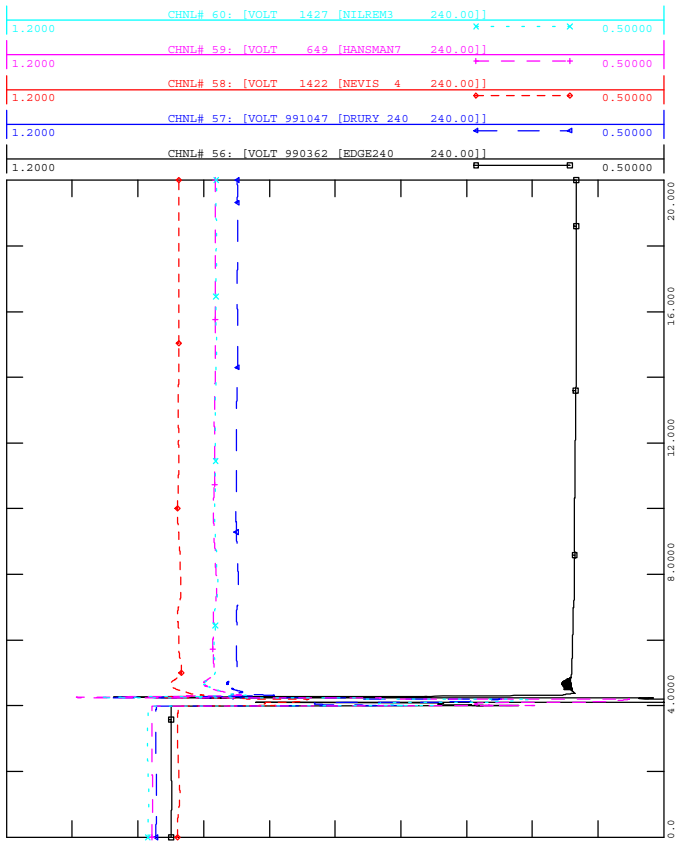
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:10

BUS VOLTAGE

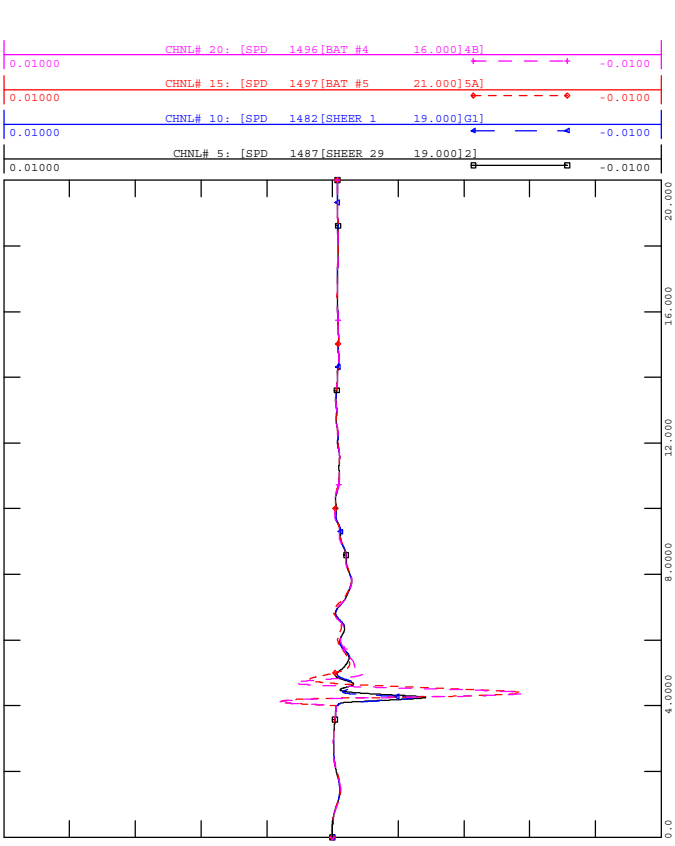


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:10

MACHINE SPEED

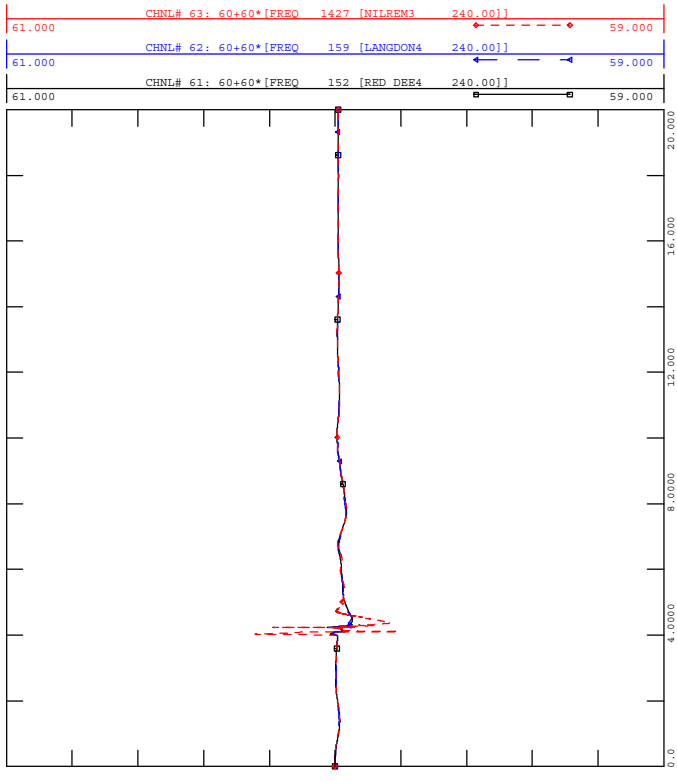


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:10

FREQUENCY

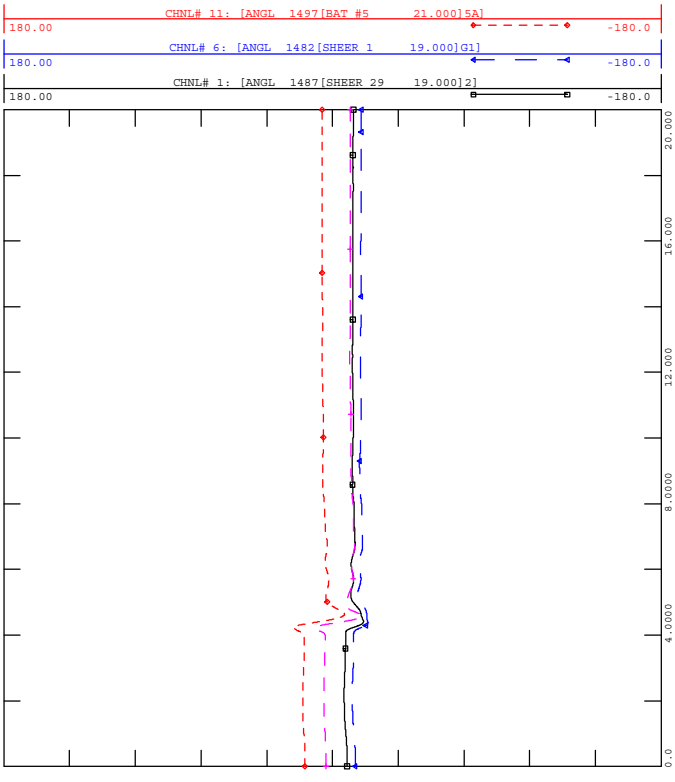


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:10

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW HANSMANLAKE-EDGERTON 240_650S-HANSMAN LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New HansmanLake-Edgerton 240

TUE, NOV 29 2016 9:10

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S701X_395S-North Holden

TUE, NOV 29 2016 9:10

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 0.50000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S701X_395S-North Holden

TUE, NOV 29 2016 9:10

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S701X_395S-North Holden

TUE, NOV 29 2016 9:10

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S701X_395S-North Holden

TUE, NOV 29 2016 9:10

MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

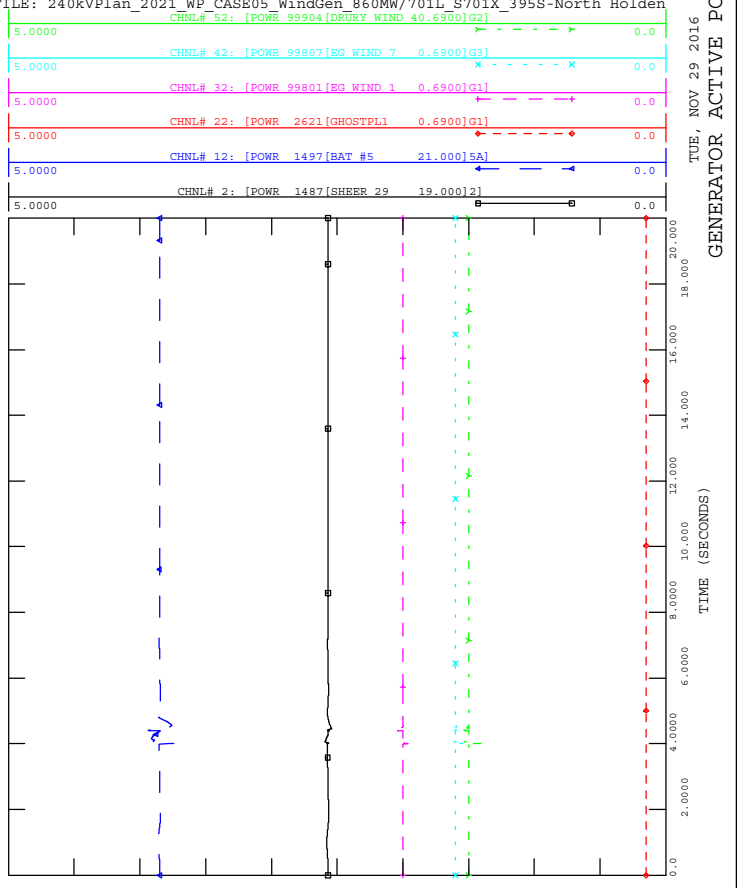
180.00 -180.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S701X_395S-North Holden

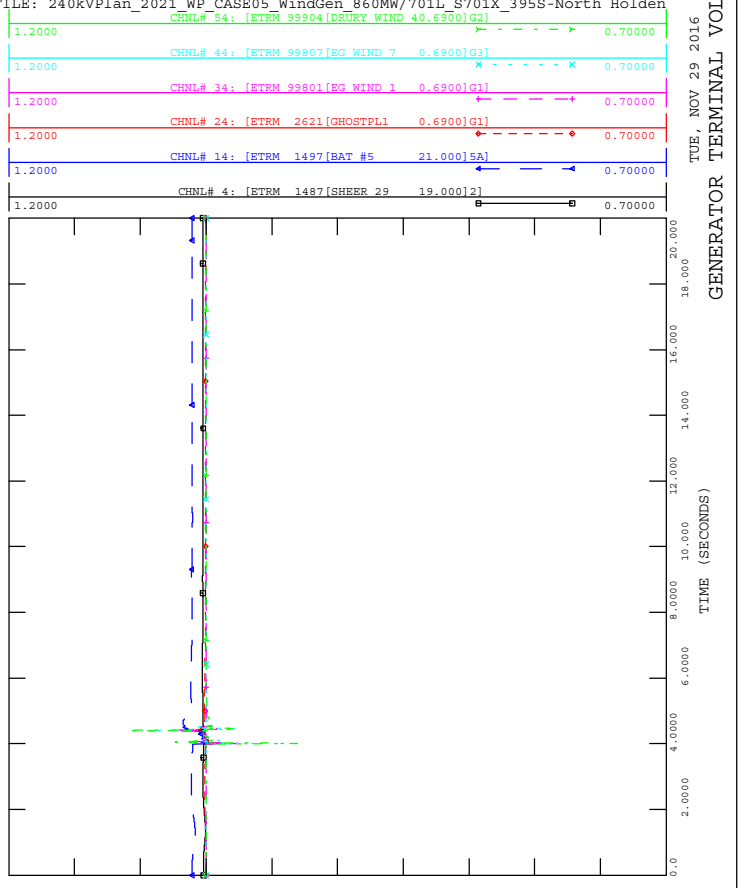


TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S701X_395S-North Holden

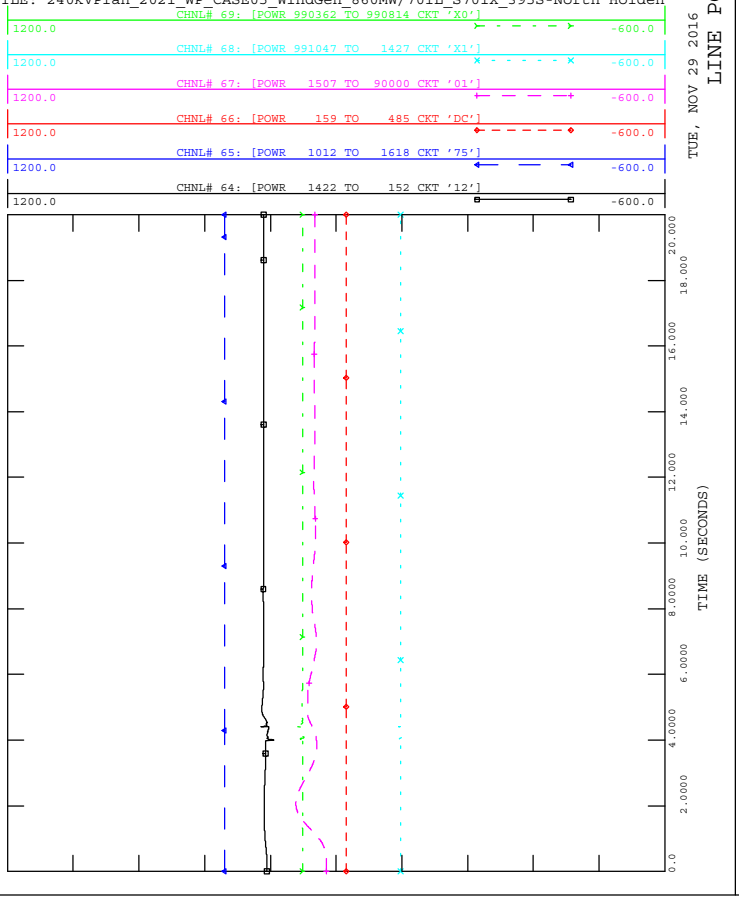


TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S701X_395S-North Holden

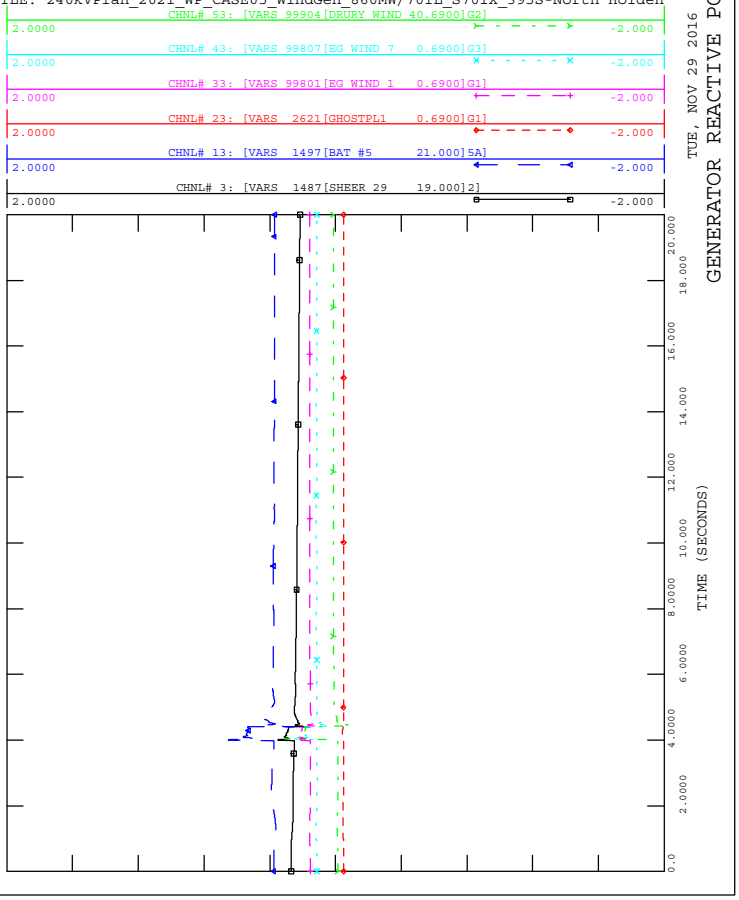


TUE, NOV 29 2016 9:10

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -701L_S701X_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/701L_S701X_395S-North Holden



TUE, NOV 29 2016 9:10

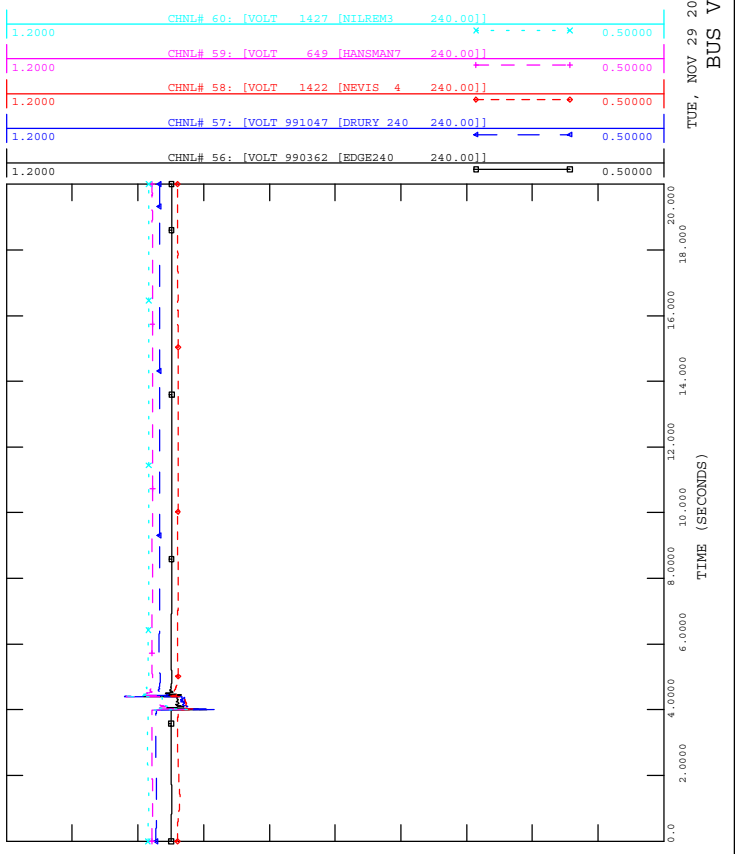
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S77E_395S-North Holden.

TUE, NOV 29 2016 9:10

BUS VOLTAGE

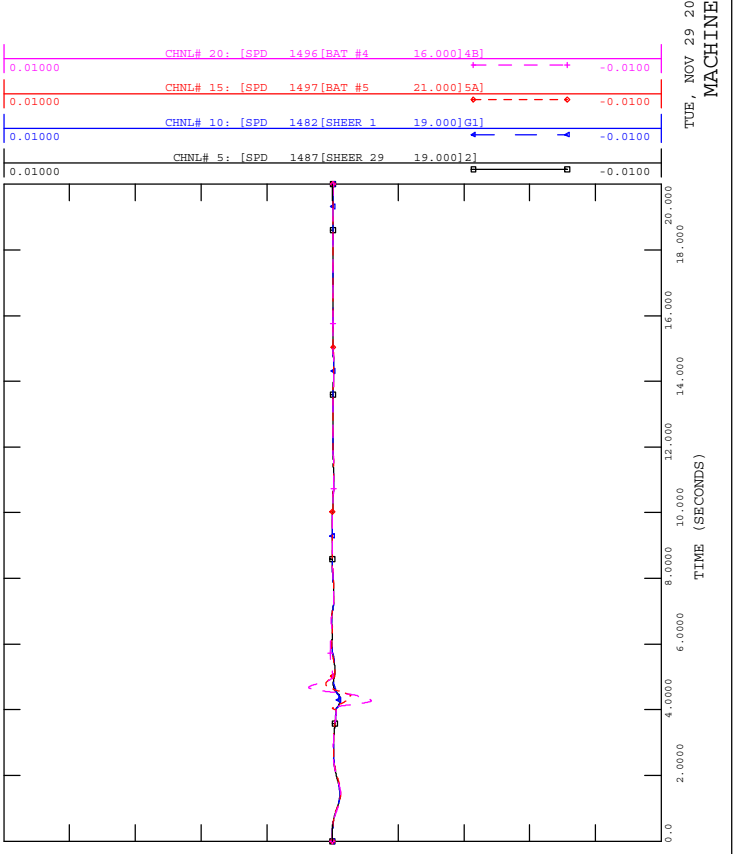


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S77E_395S-North Holden.

TUE, NOV 29 2016 9:10

MACHINE SPEED

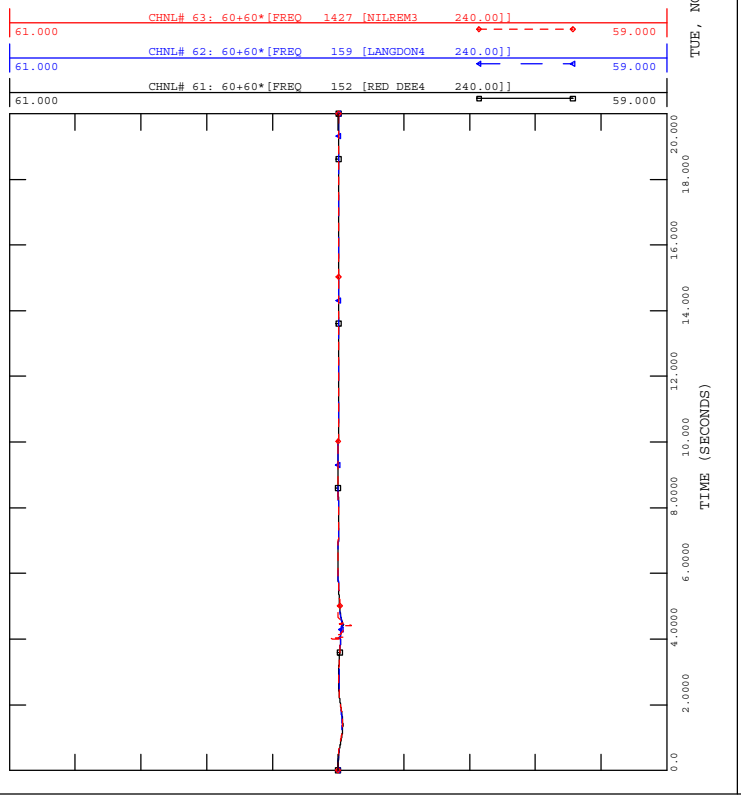


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S77E_395S-North Holden.

TUE, NOV 29 2016 9:10

FREQUENCY

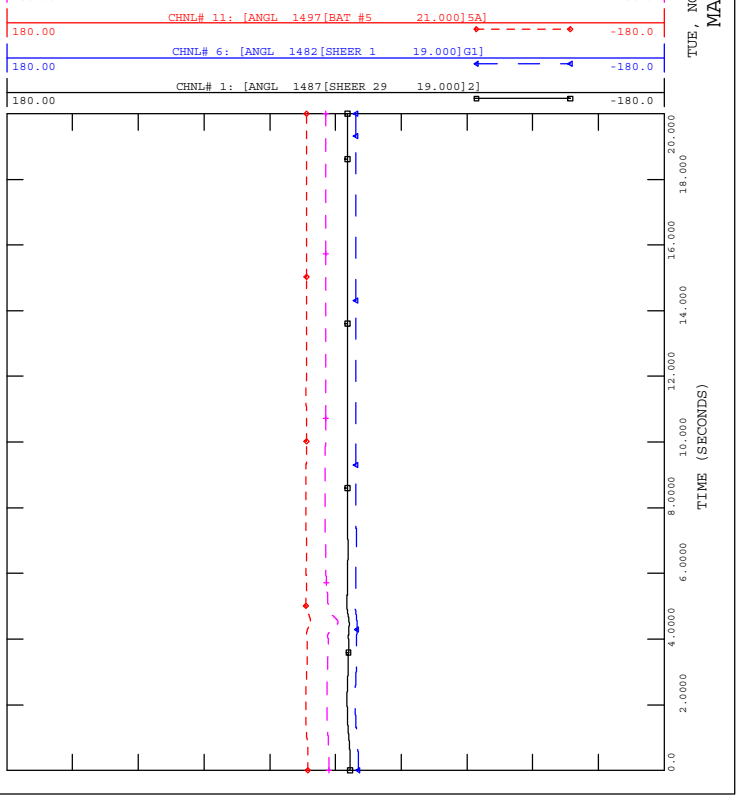


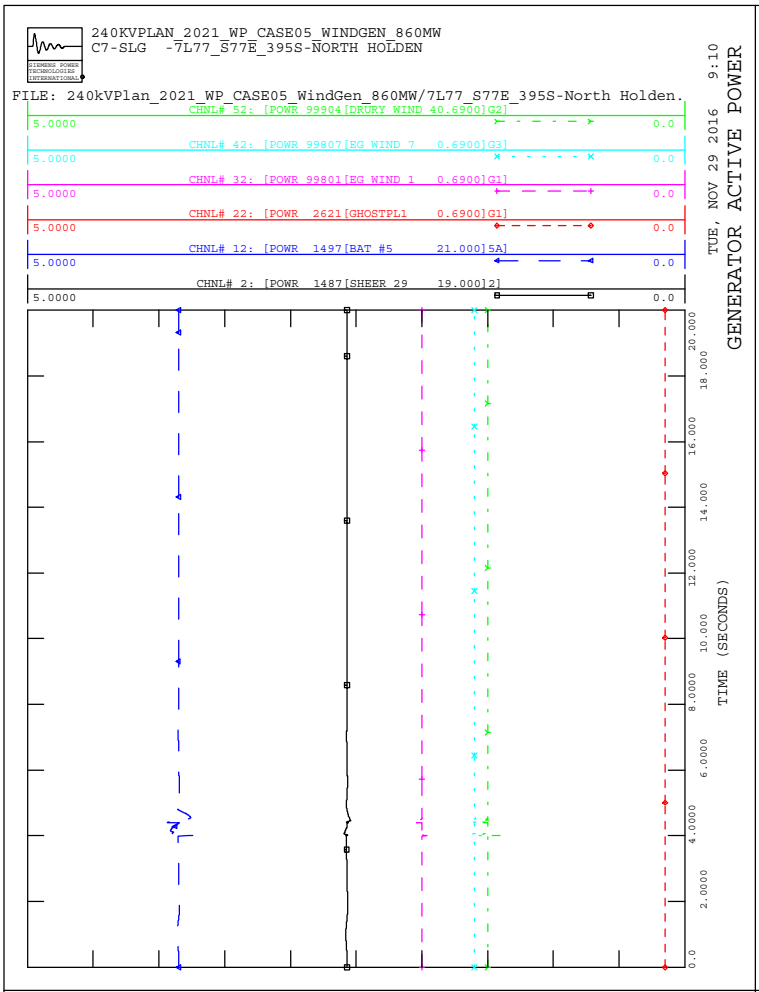
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN

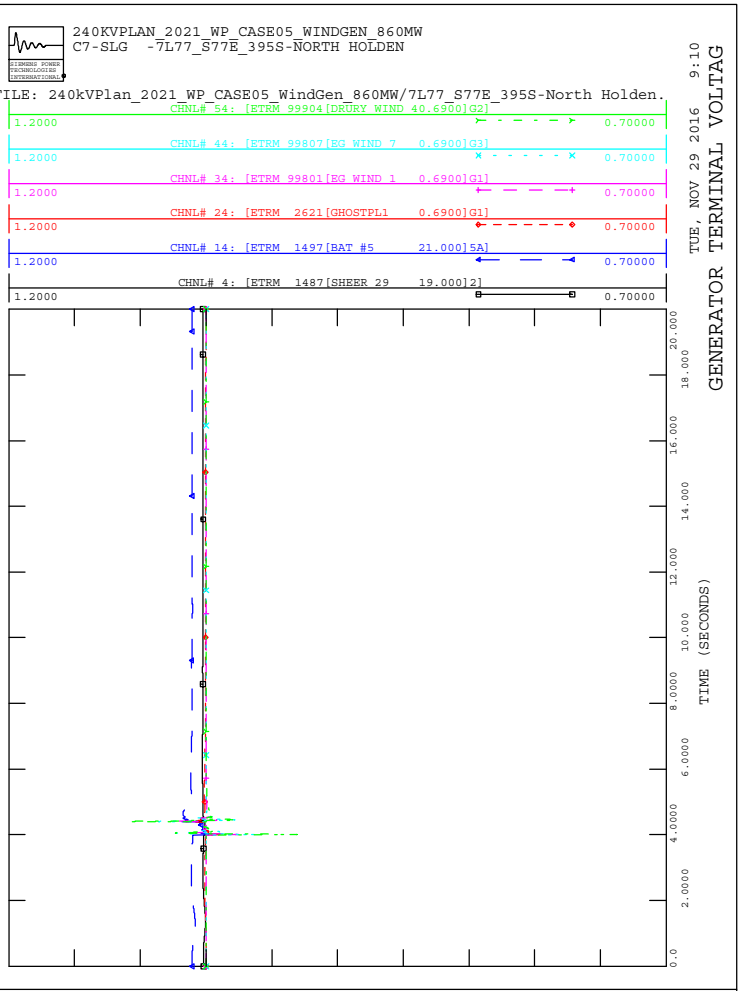
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S77E_395S-North Holden.

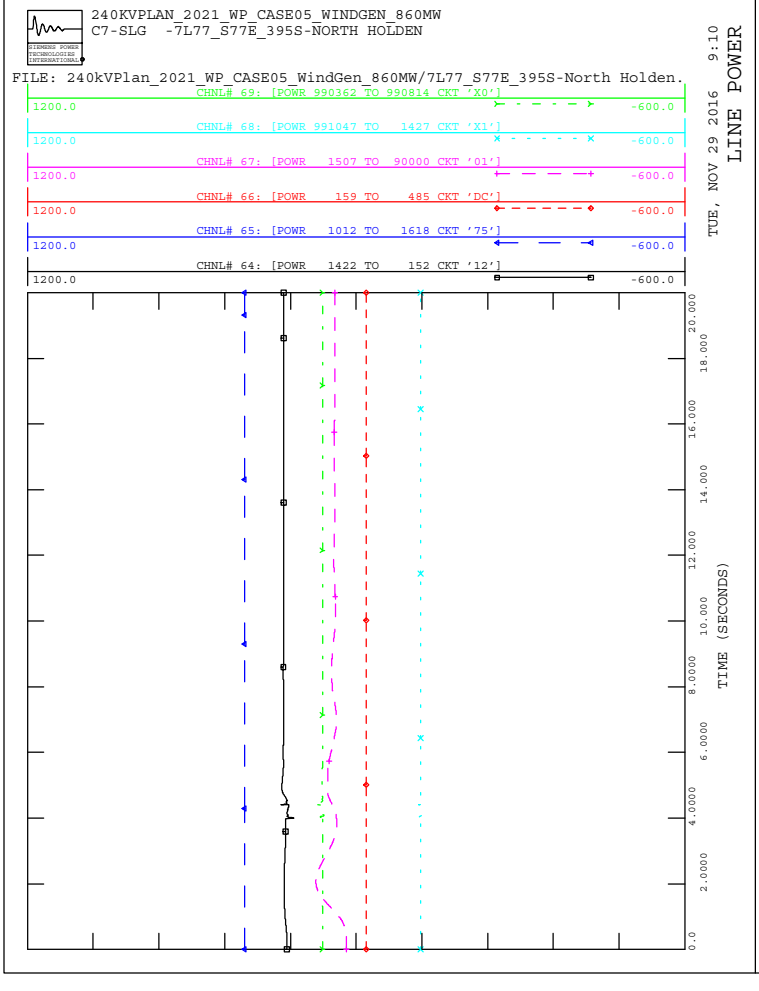
TUE, NOV 29 2016 9:10

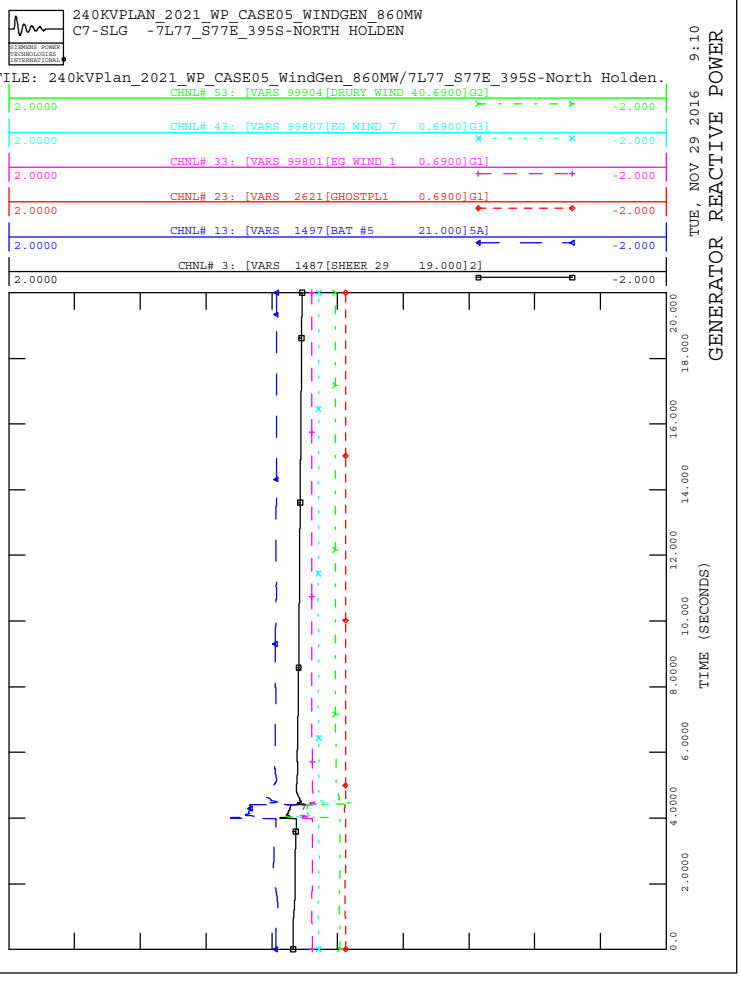
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S77E_395S-North Holden.
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S77E_395S-North Holden.
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S77E_395S-North Holden.
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)

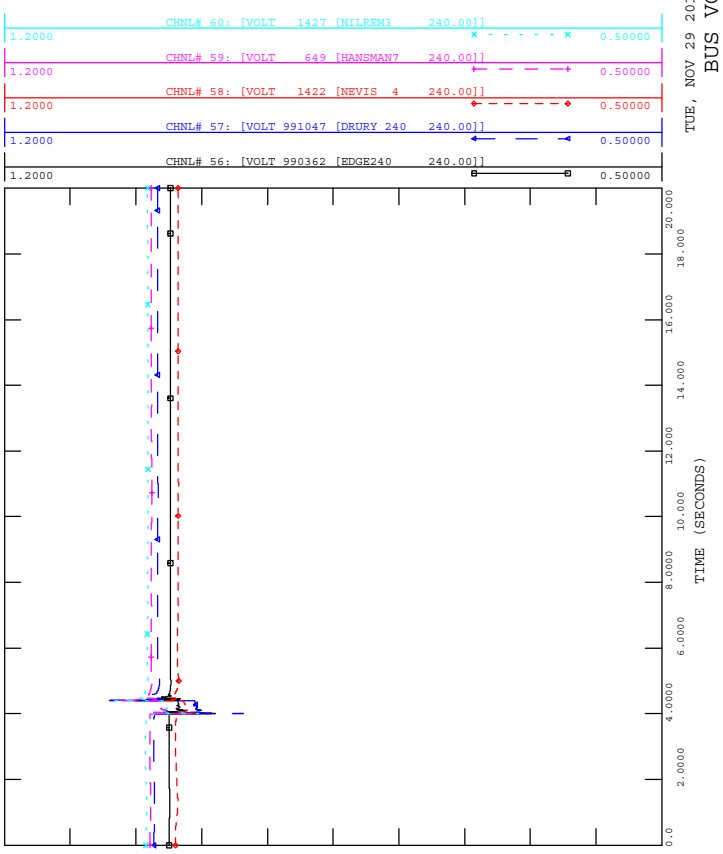

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S77E_395S-NORTH HOLDEN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S77E_395S-North Holden.
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S702_709S-Vegreville.ou

TUE, NOV 29 2016 9:10

BUS VOLTAGE

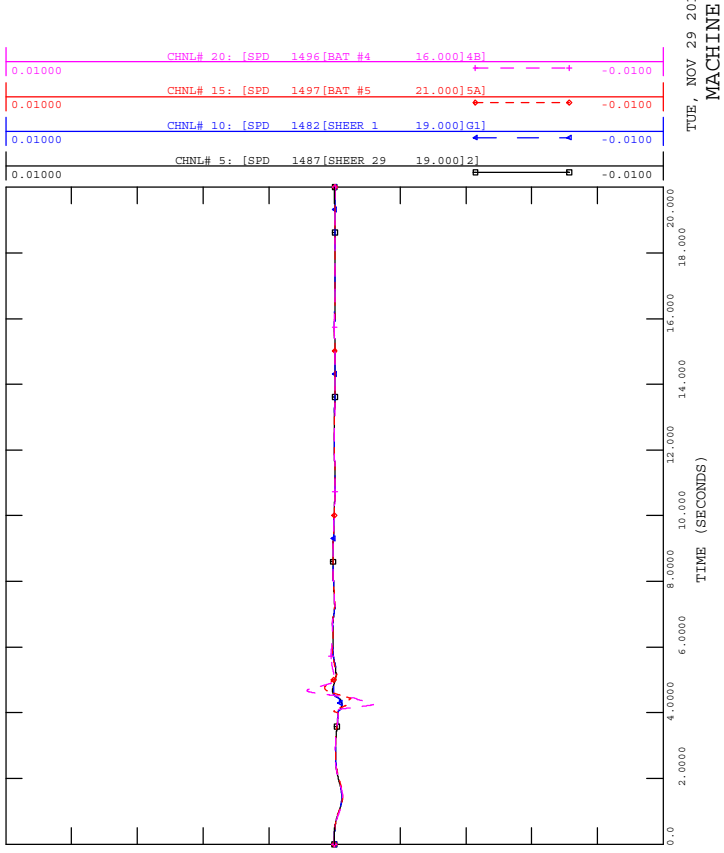


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S702_709S-Vegreville.ou

TUE, NOV 29 2016 9:10

MACHINE SPEED

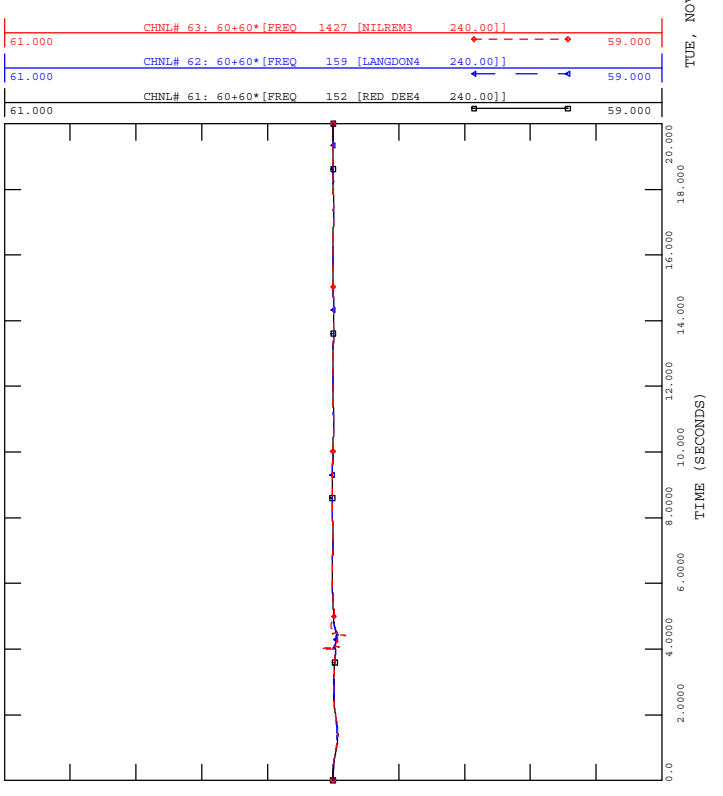


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S702_709S-Vegreville.ou

TUE, NOV 29 2016 9:10

FREQUENCY

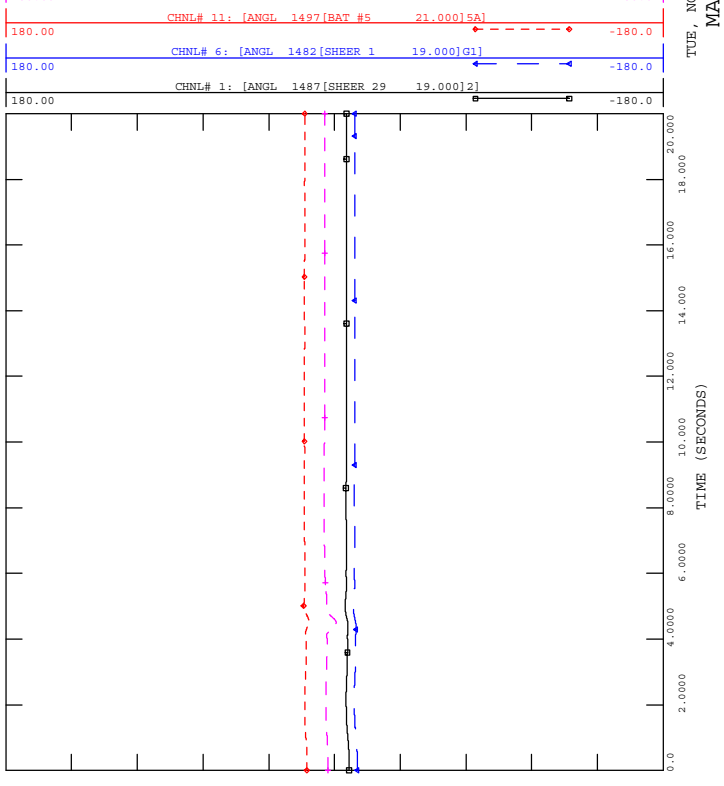


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S702_709S-Vegreville.ou

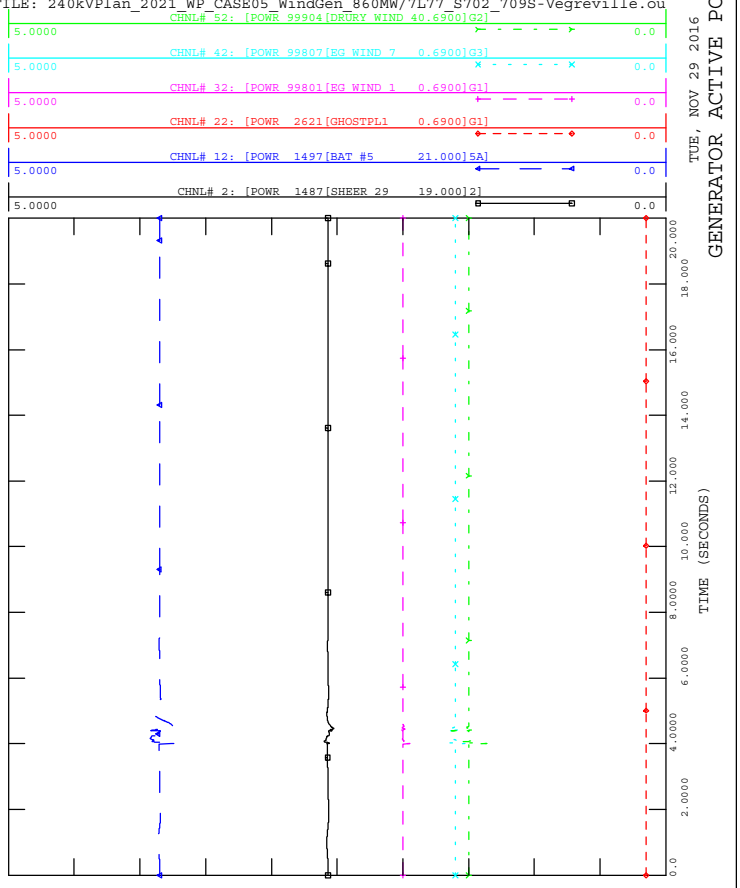
TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

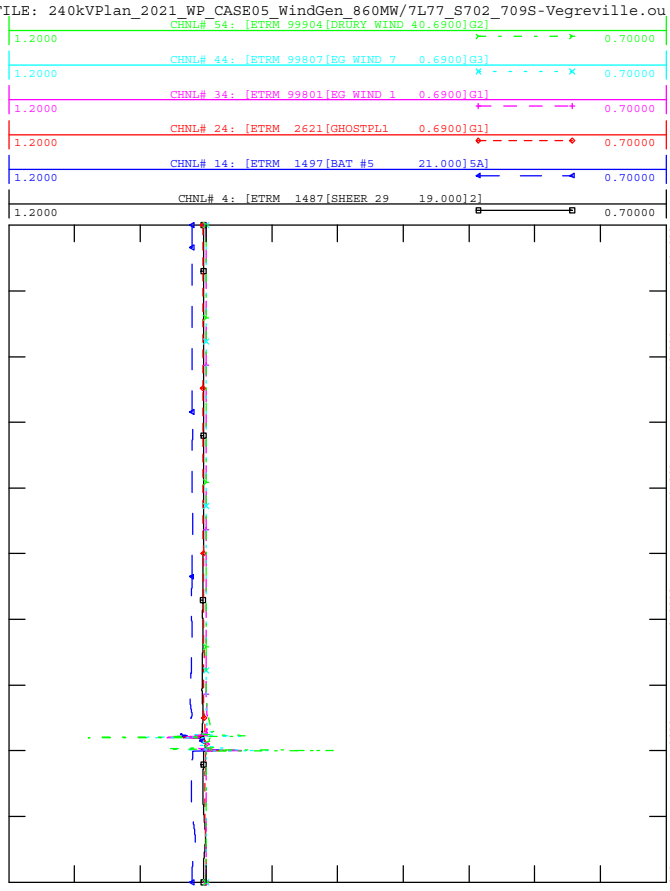
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S702_709S-Vegreville.ou



TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

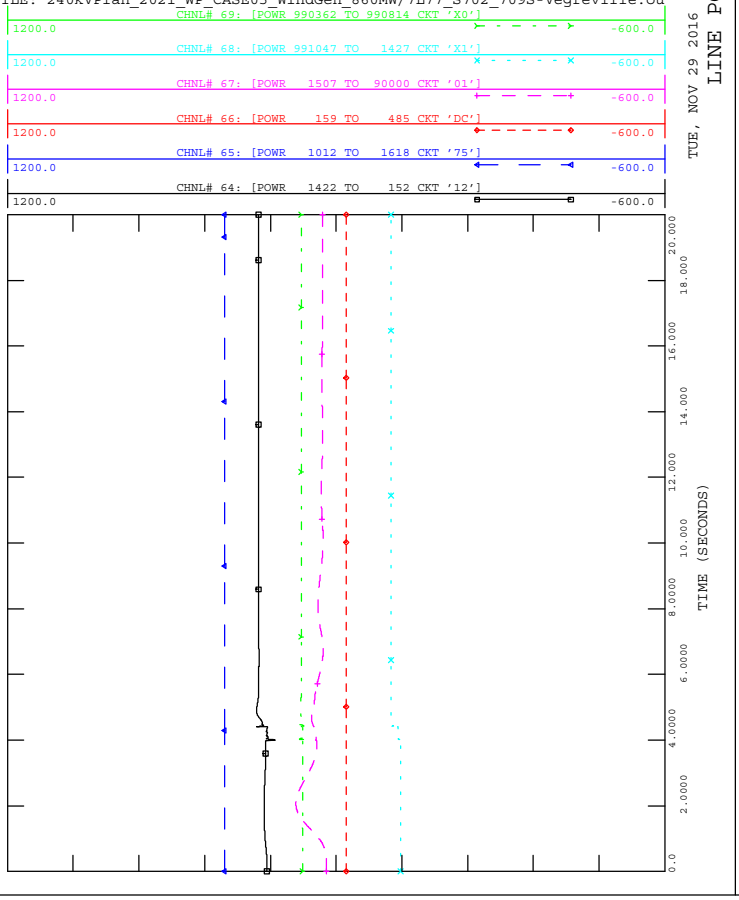
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S702_709S-Vegreville.ou



TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

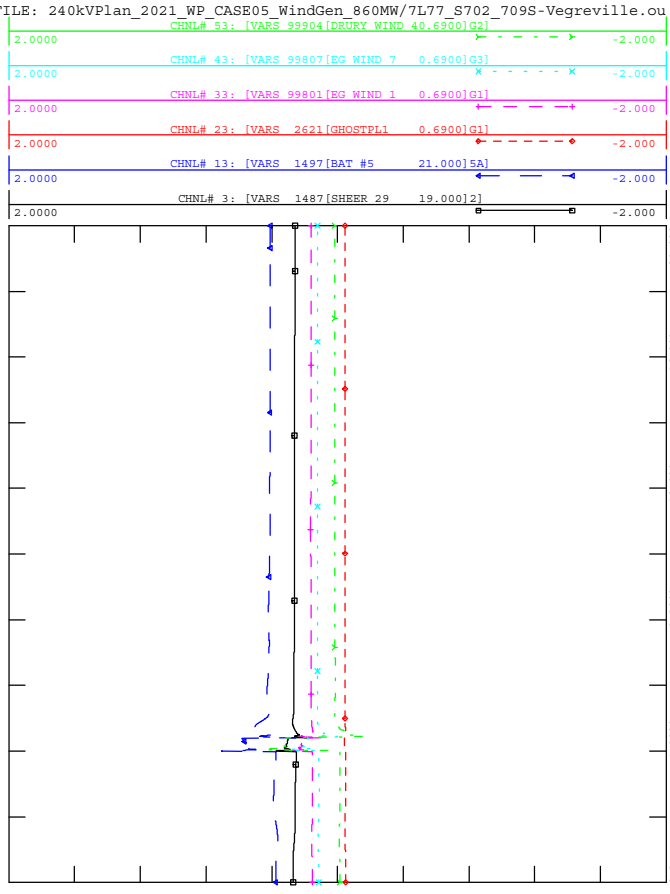
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S702_709S-Vegreville.ou



TUE, NOV 29 2016 9:10
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L77_S702_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L77_S702_709S-Vegreville.ou



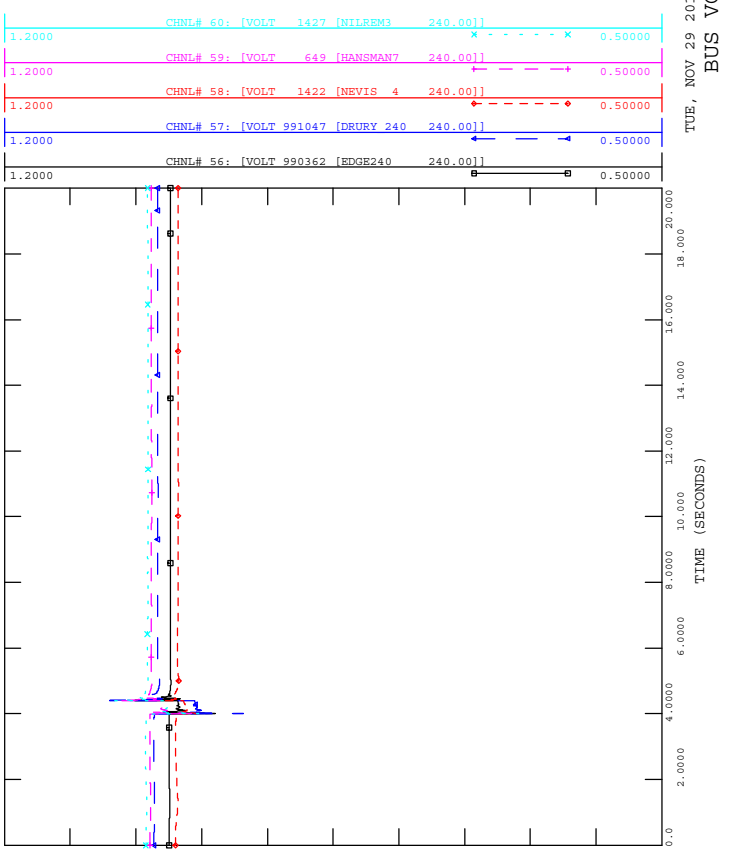
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_S703_709S-Vegreville.ou

TUE, NOV 29 2016 9:10

BUS VOLTAGE

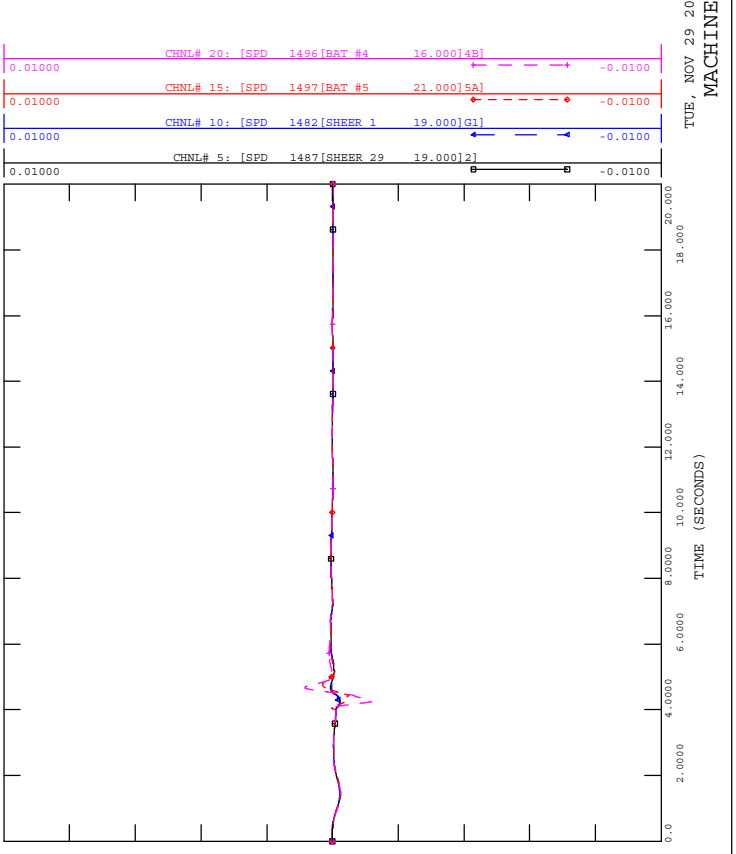


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_S703_709S-Vegreville.ou

TUE, NOV 29 2016 9:10

MACHINE SPEED

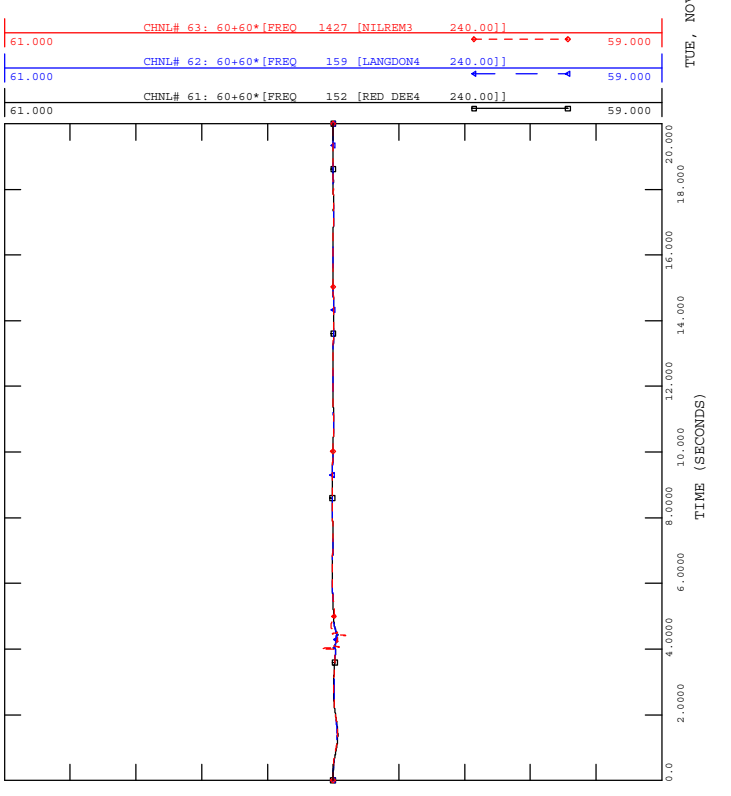


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_S703_709S-Vegreville.ou

TUE, NOV 29 2016 9:10

FREQUENCY

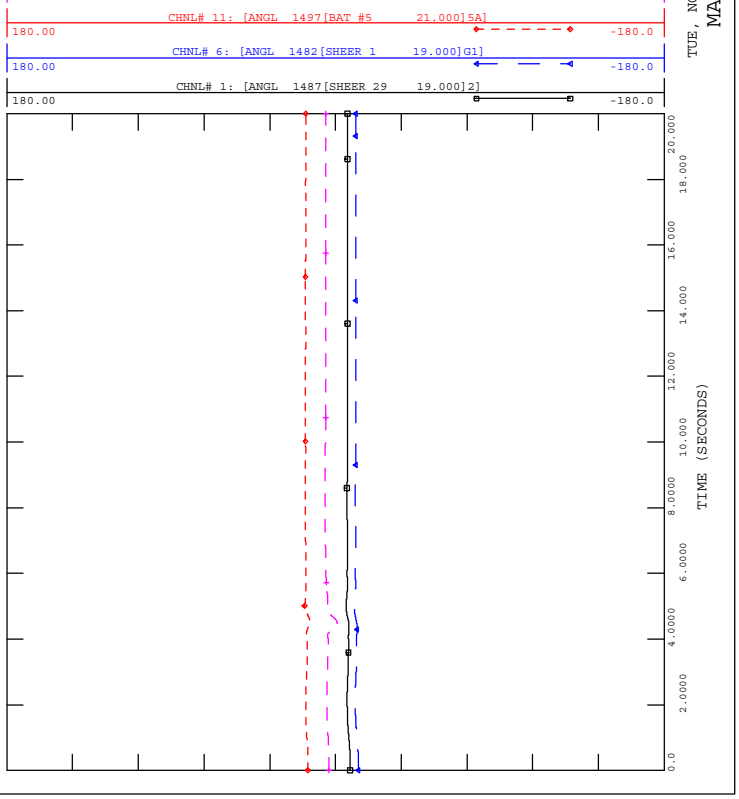


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_S703_709S-Vegreville.ou

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_S703_709S-Vegreville.ou

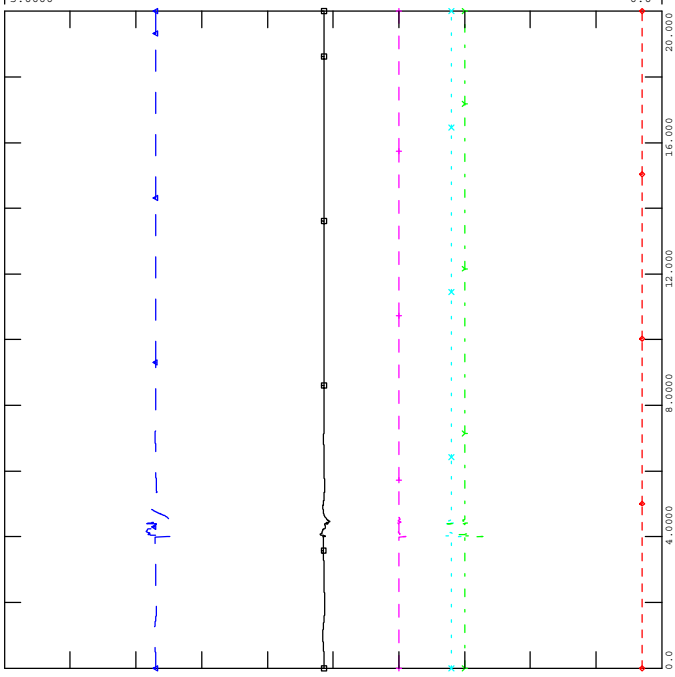
9:10 TUE, NOV 29 2016

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_S703_709S-Vegreville.ou

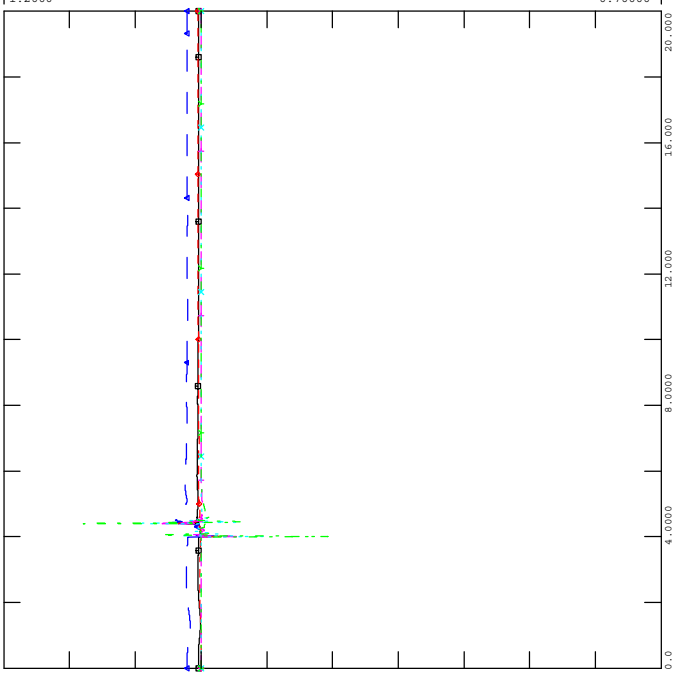
9:10 TUE, NOV 29 2016

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_S703_709S-Vegreville.ou

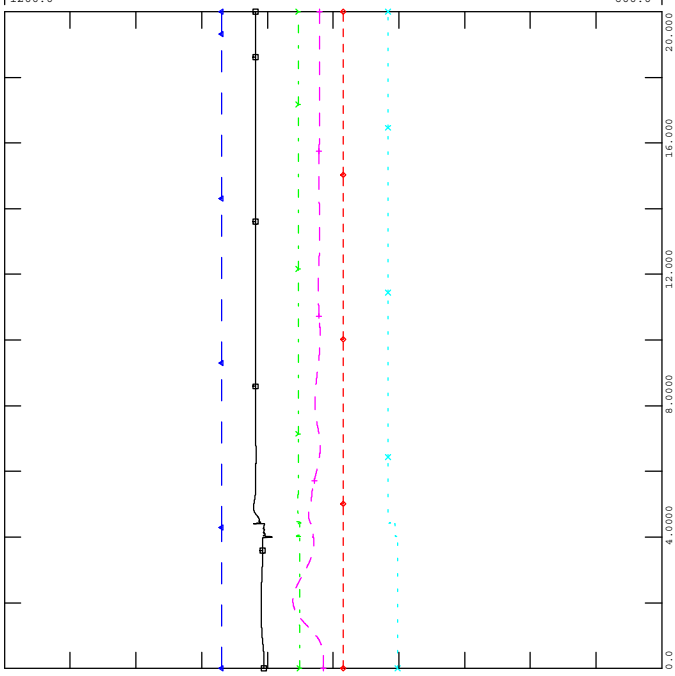
9:10 TUE, NOV 29 2016

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L92_S703_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L92_S703_709S-Vegreville.ou

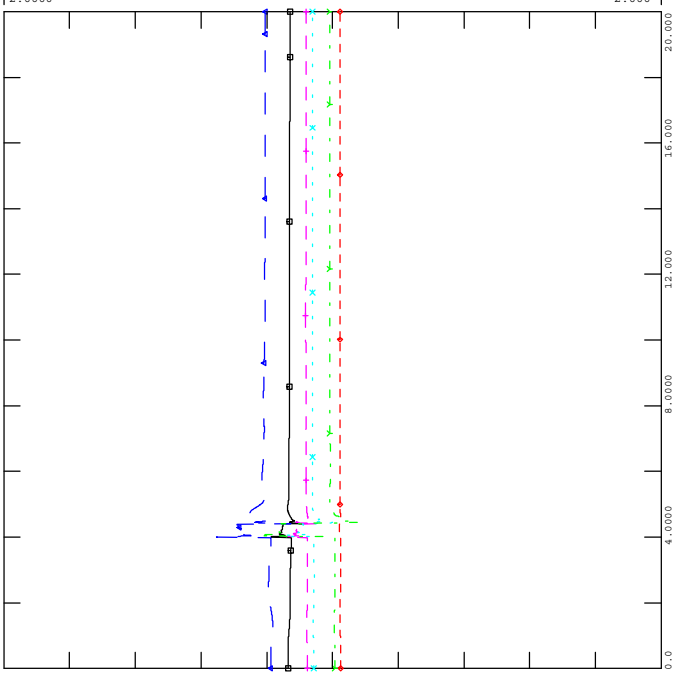
9:10 TUE, NOV 29 2016

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

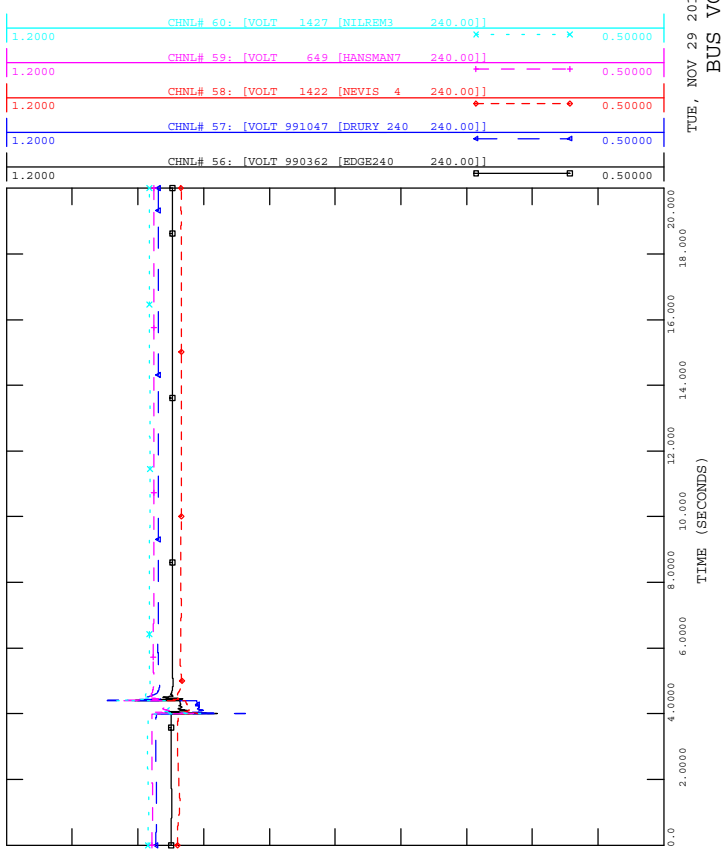


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_S701_709S-Vegreville.ou

TUE, NOV 29 2016 9:10

BUS VOLTAGE

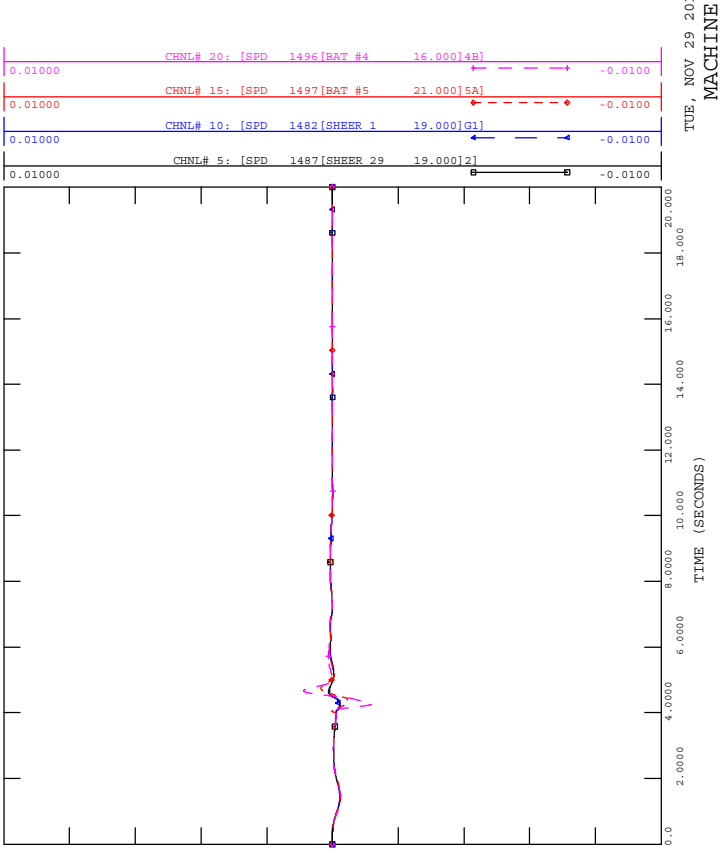


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_S701_709S-Vegreville.ou

TUE, NOV 29 2016 9:10

MACHINE SPEED

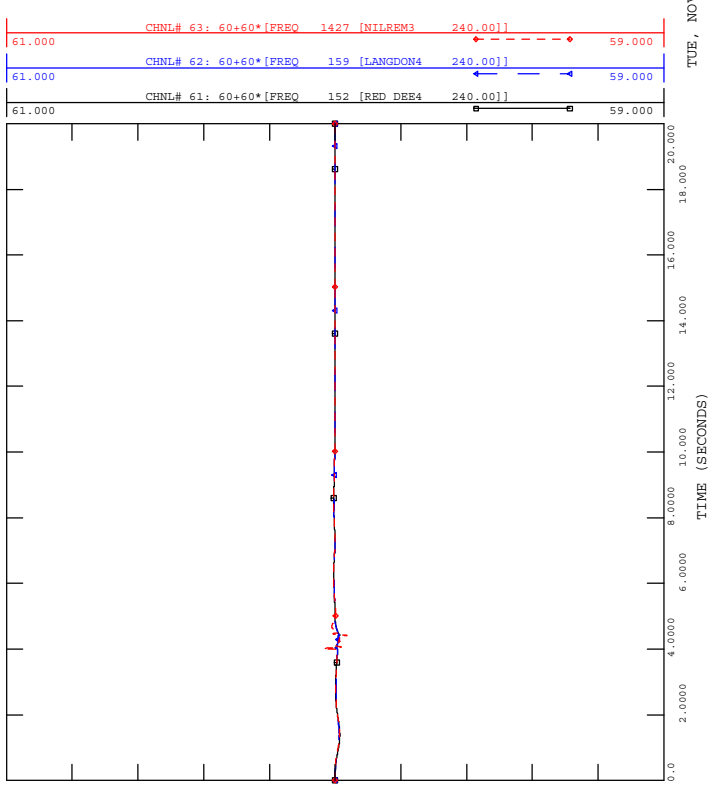


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_S701_709S-Vegreville.ou

TUE, NOV 29 2016 9:10

FREQUENCY

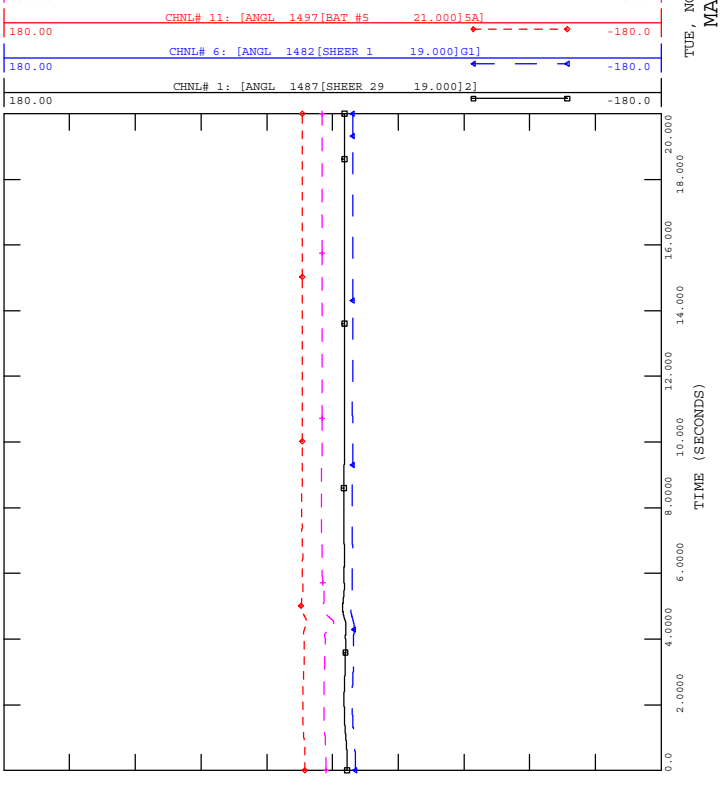


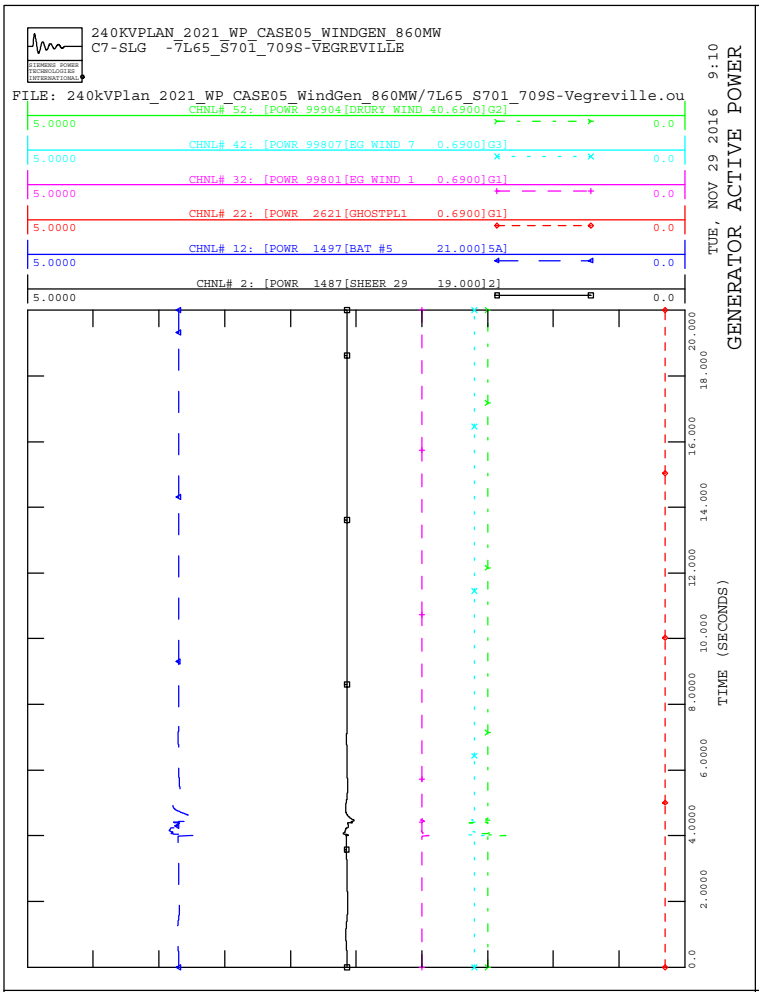
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE

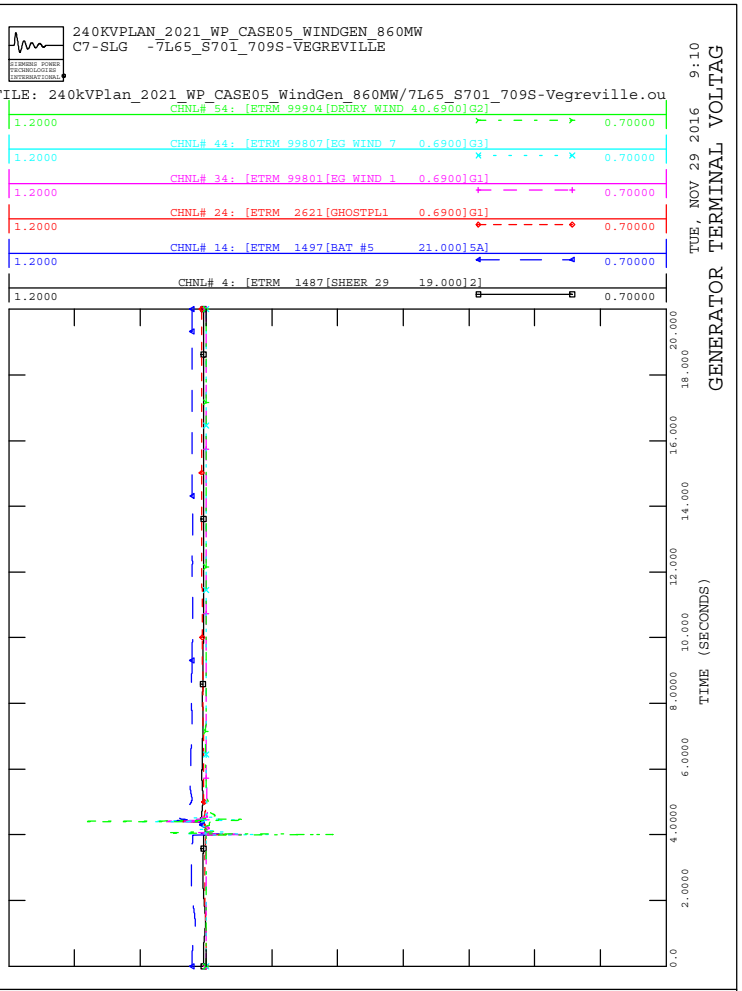
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_S701_709S-Vegreville.ou

TUE, NOV 29 2016 9:10

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_S701_709S-Vegreville.ou
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_S701_709S-Vegreville.ou
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
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8.0000
10.000
12.000
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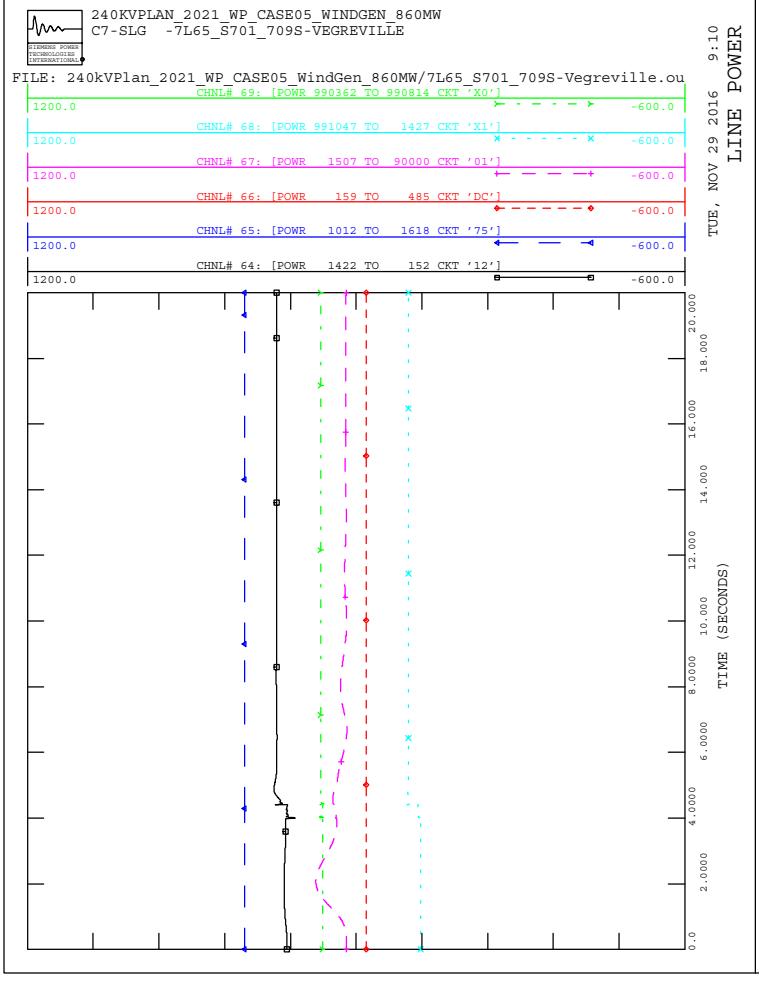
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_S701_709S-Vegreville.ou
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
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8.0000
10.000
12.000
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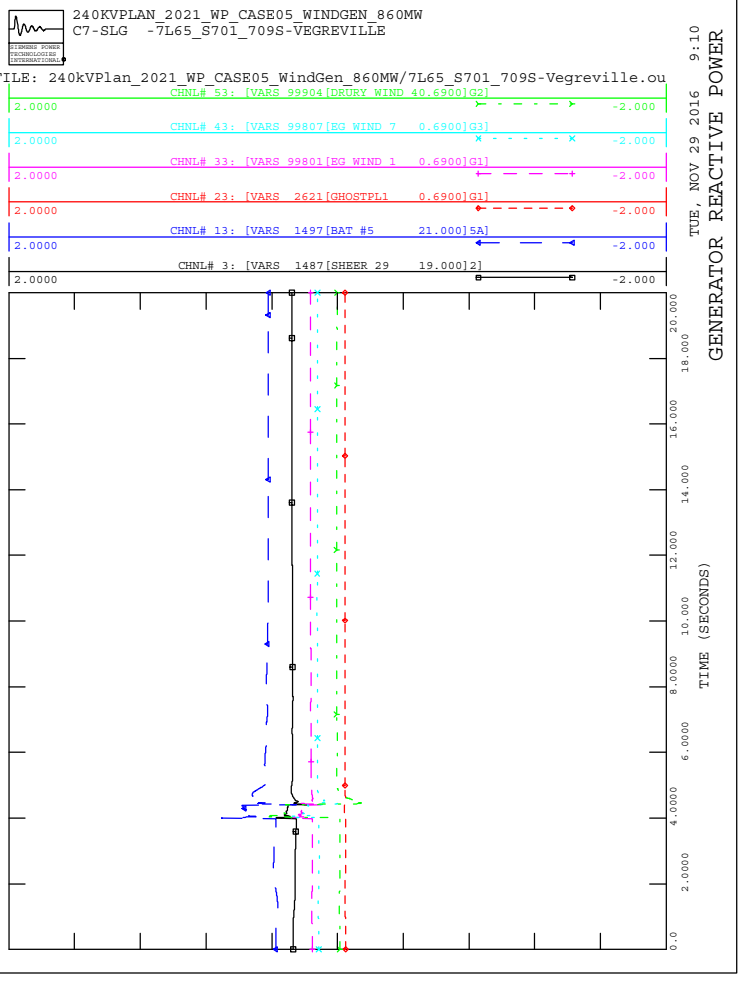
16.000
18.000
20.000

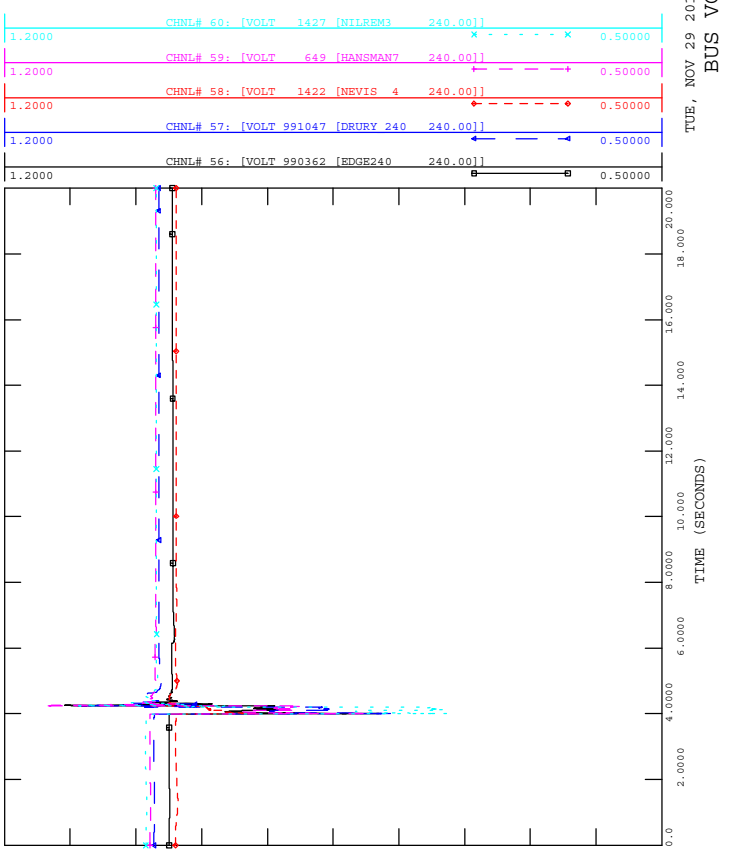

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_S701_709S-VEGREVILLE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_S701_709S-Vegreville.ou
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L_S552_574S-Nilrem.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

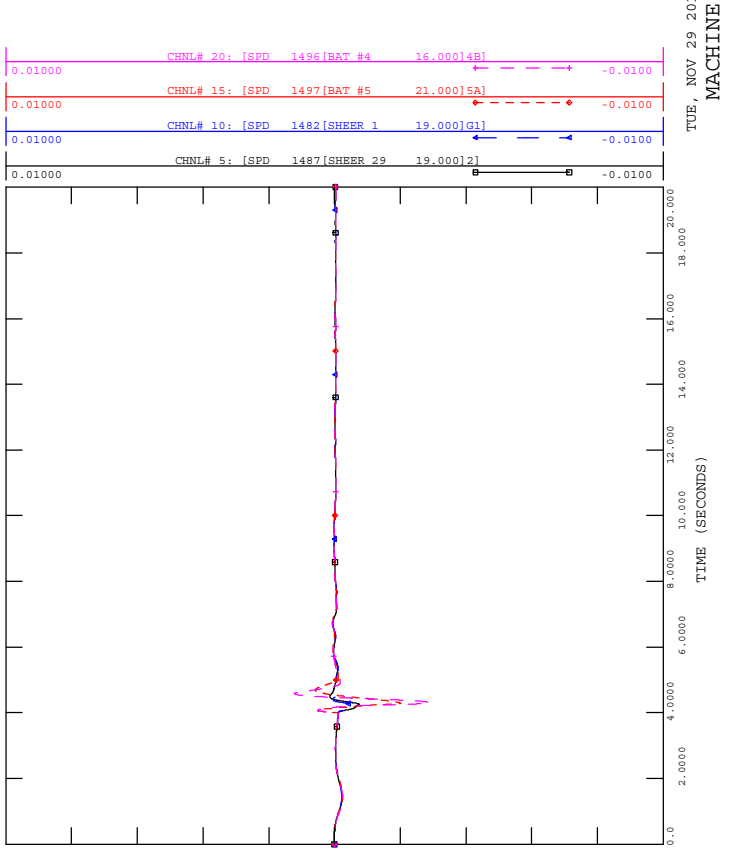


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L_S552_574S-Nilrem.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

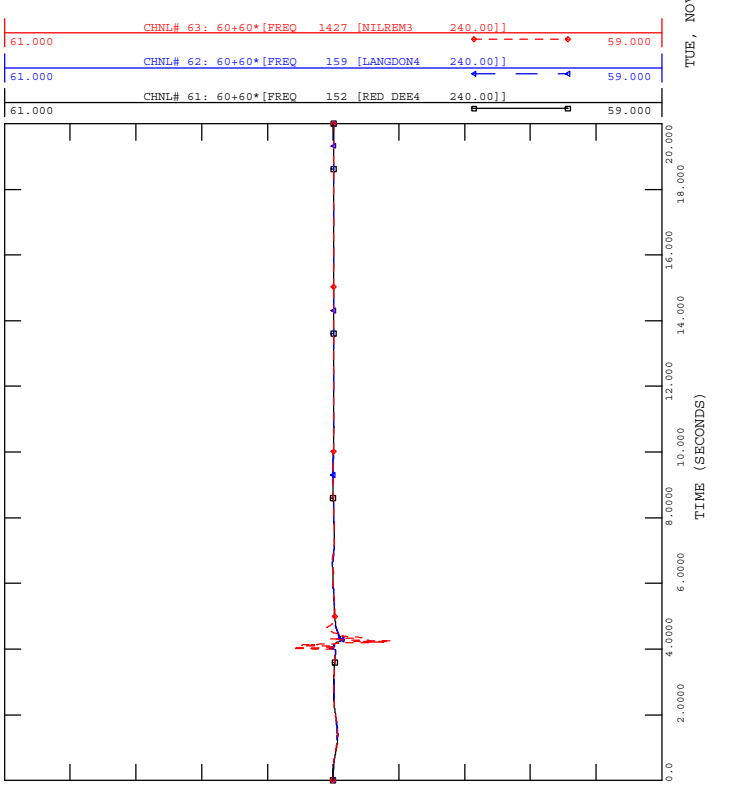


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L_S552_574S-Nilrem.out

TUE, NOV 29 2016 9:10

FREQUENCY

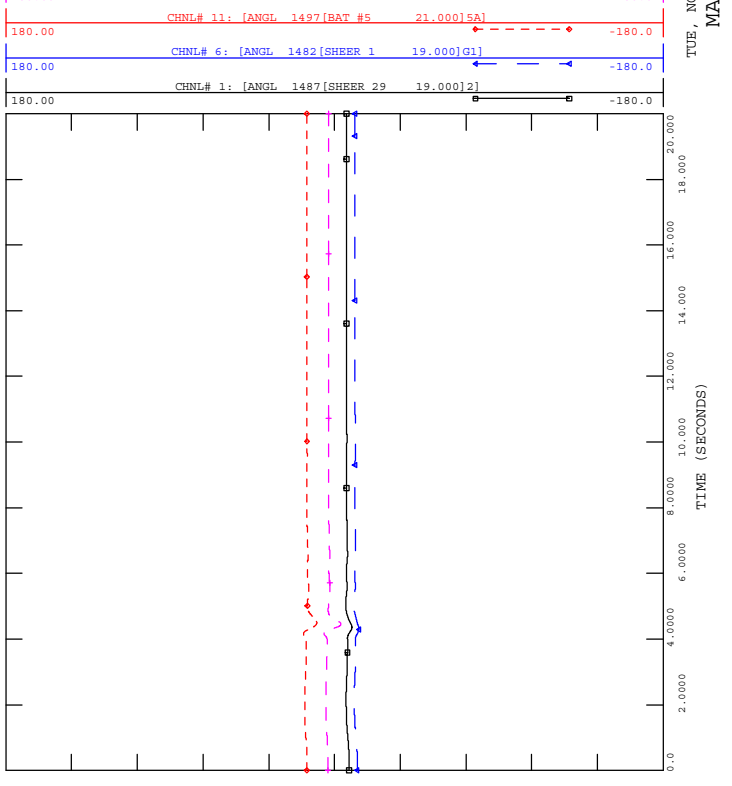


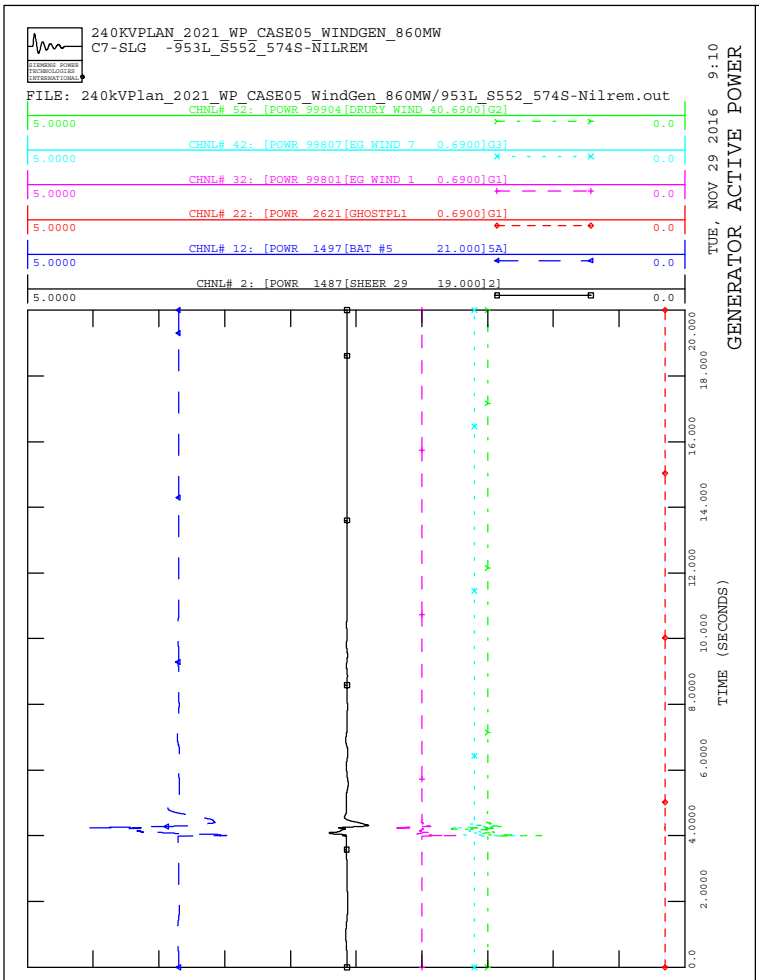
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L_S552_574S-Nilrem.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L_S552_574S-Nilrem.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
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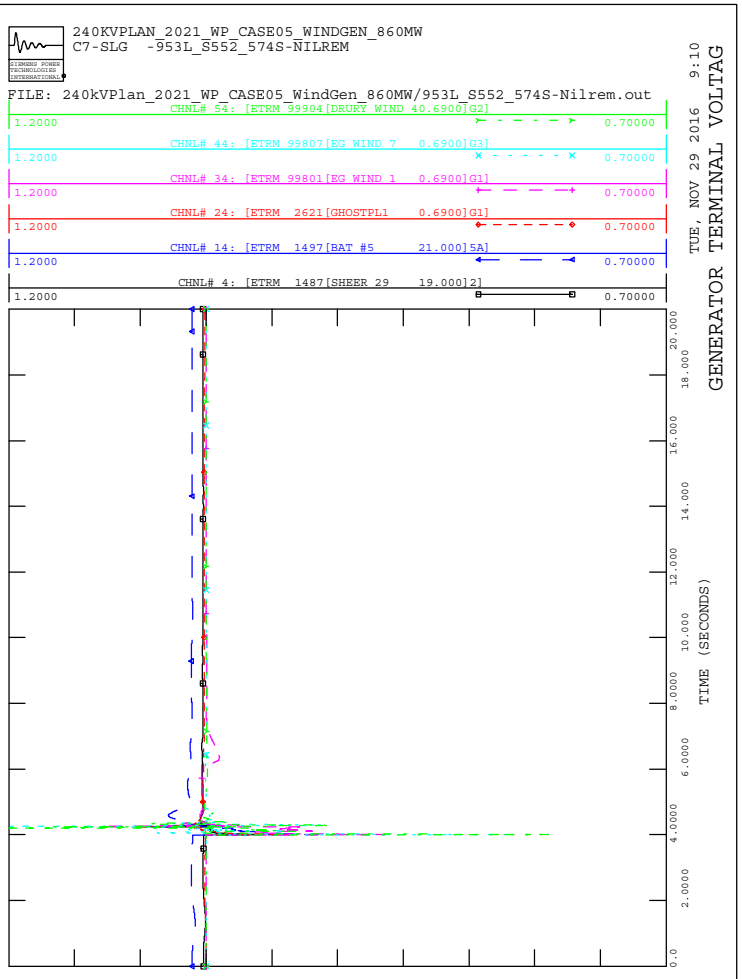
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -953L_S552_574S-NILREM
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/953L_S552_574S-Nilrem.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
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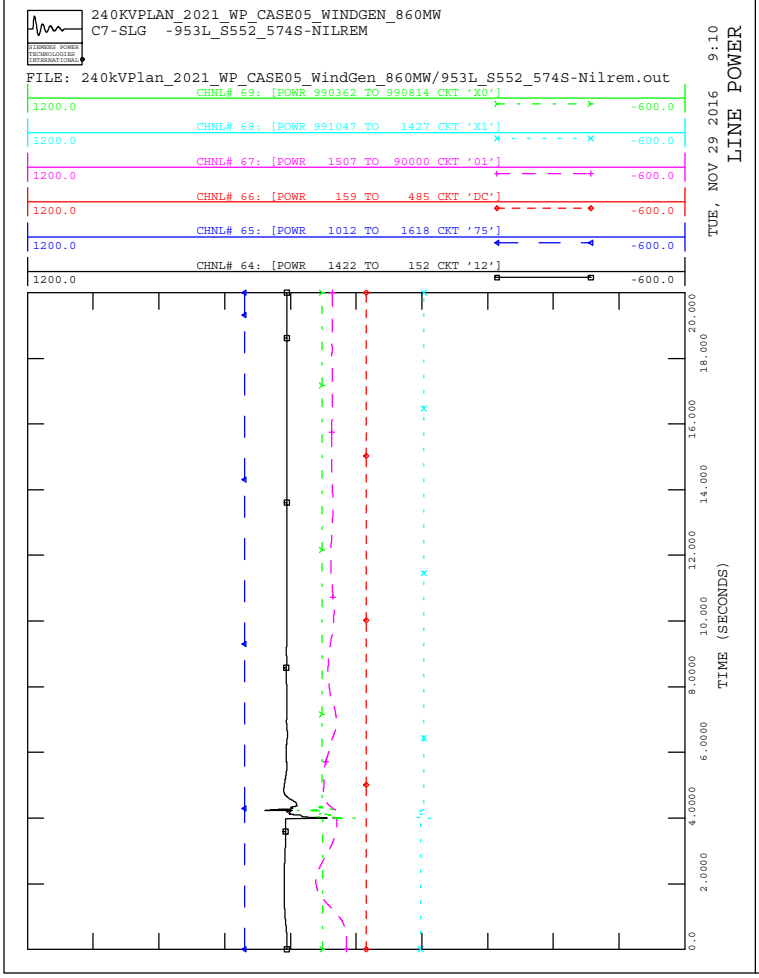
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C7-SLG -953L_S552_574S-NILREM
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CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
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TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)
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4.0000
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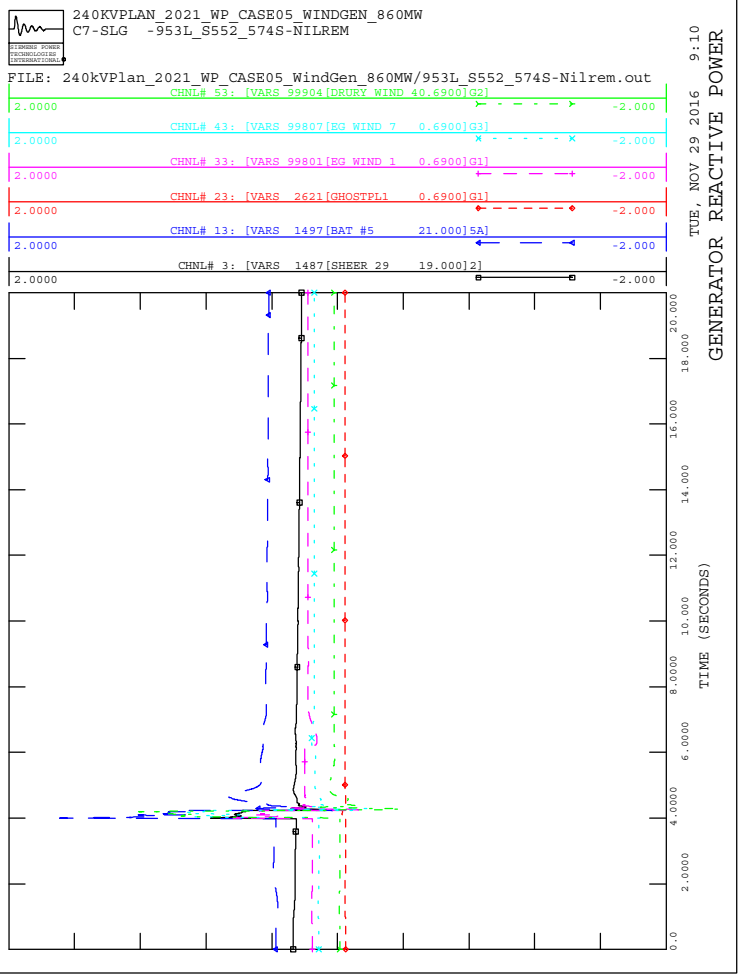
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C7-SLG -953L_S552_574S-NILREM
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CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
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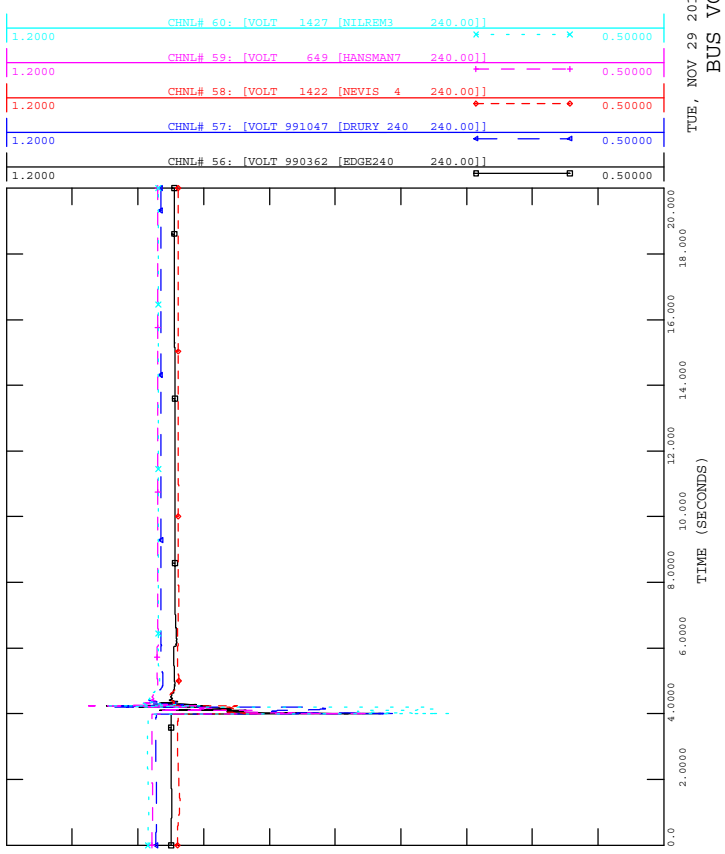
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_S552_574S-Nilrem.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

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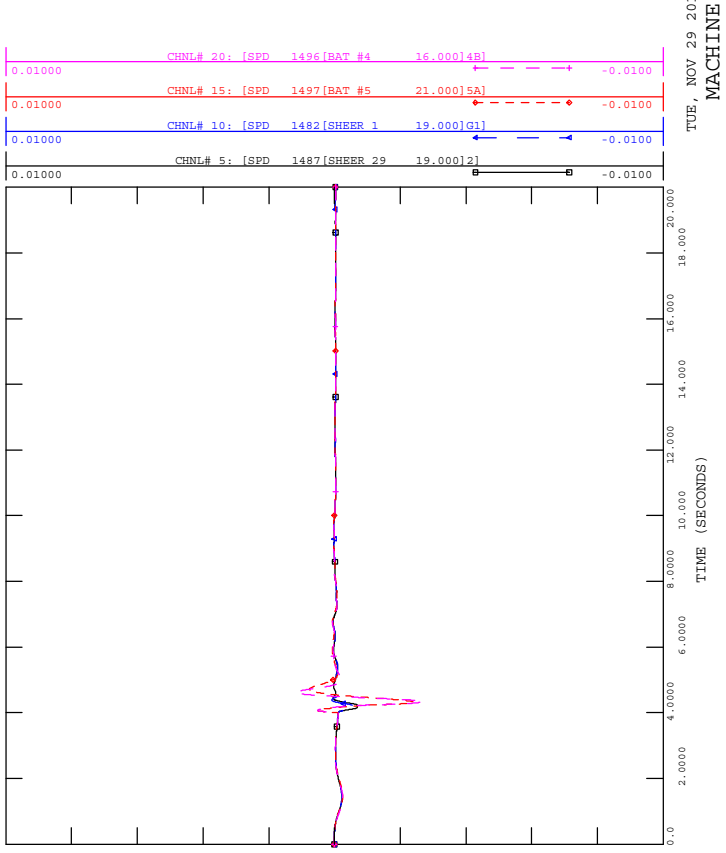
TUE, NOV 29 2016 9:10

MACHINE SPEED



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C7-SLG -1047L_S552_574S-NILREM

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TUE, NOV 29 2016 9:10

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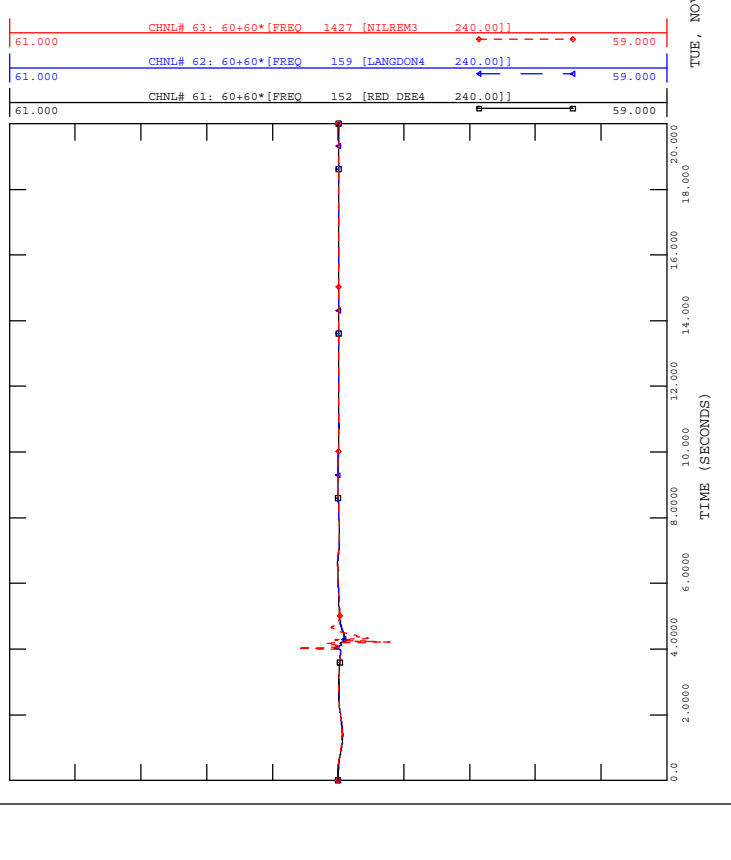

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C7-SLG -1047L_S552_574S-NILREM

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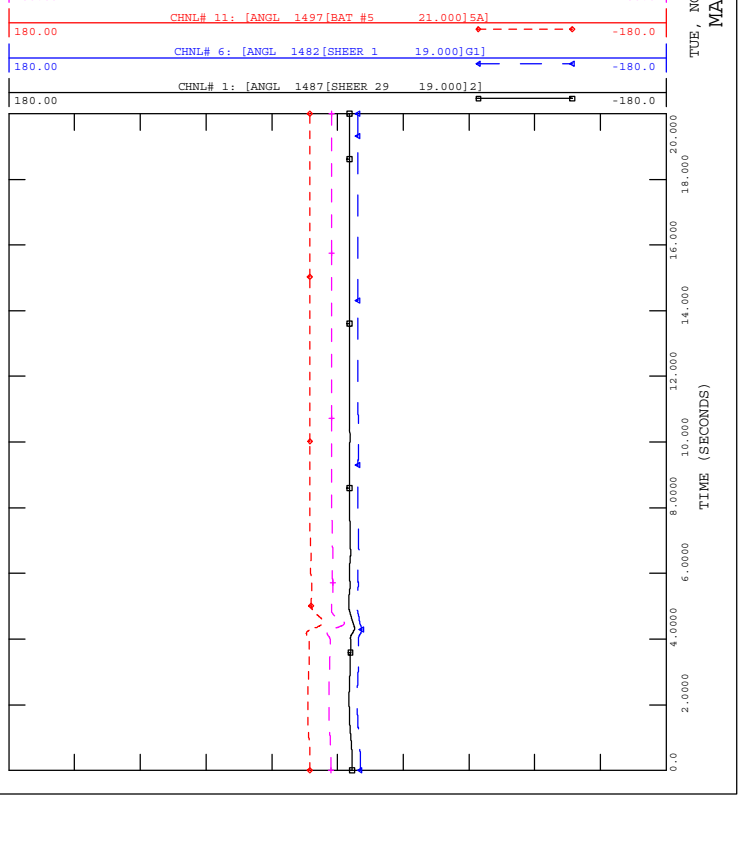
TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

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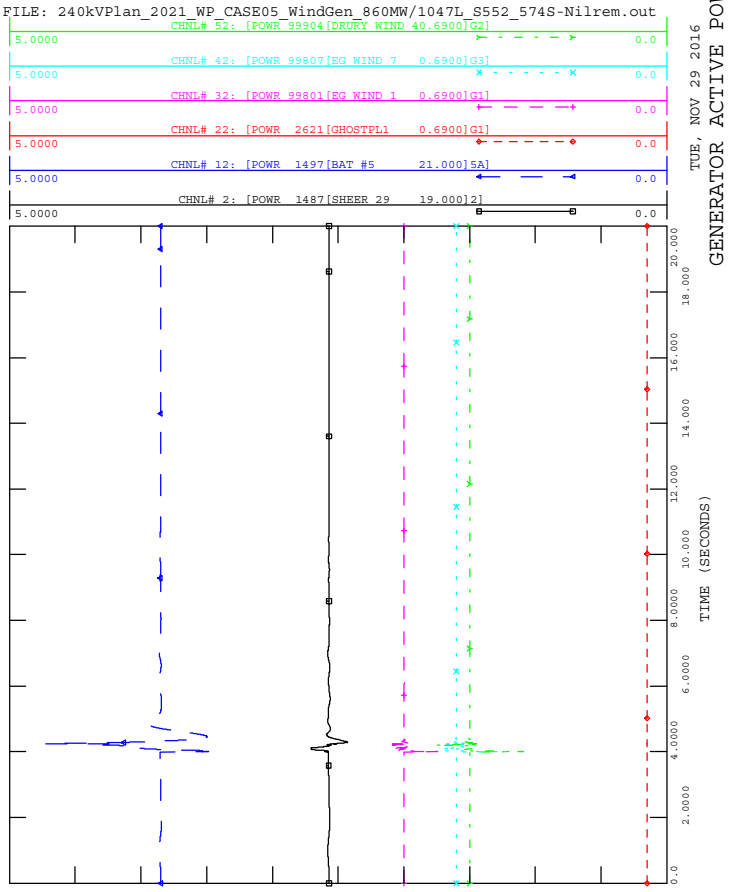
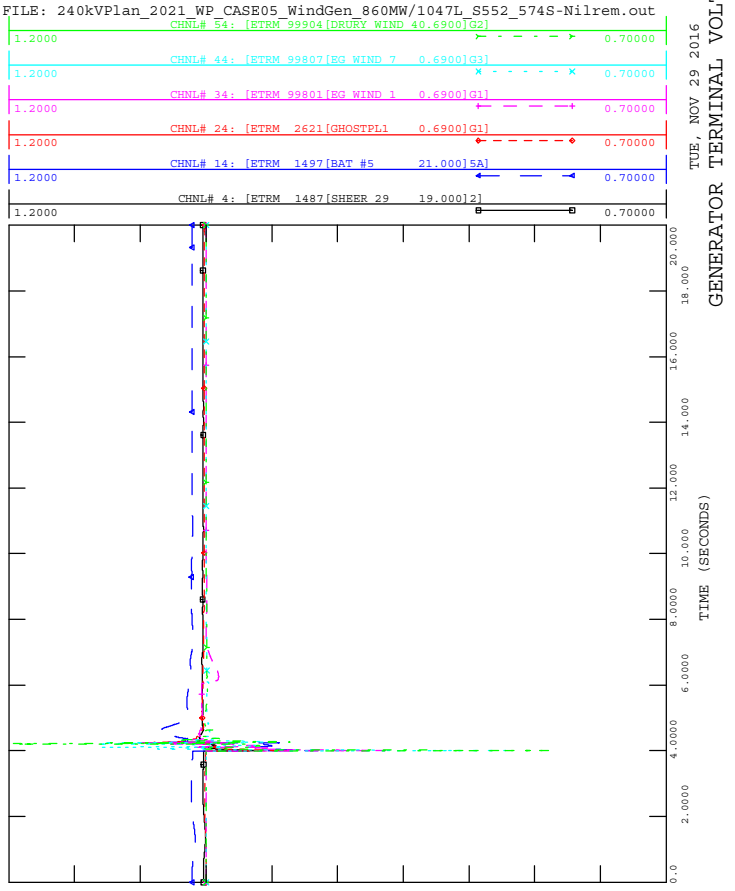


TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

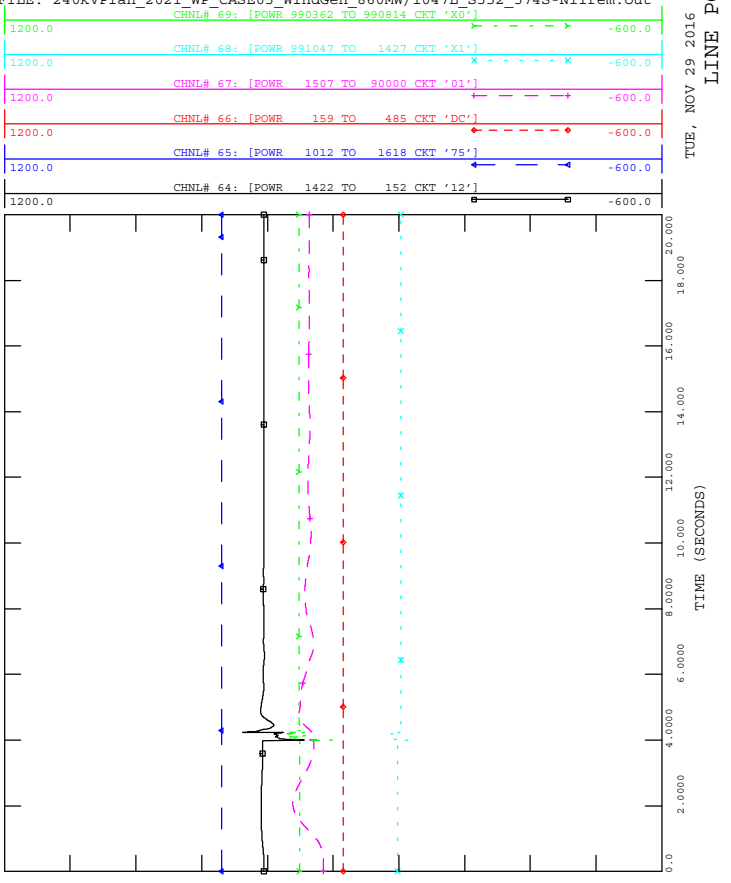
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_S552_574S-Nilrem.out



TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

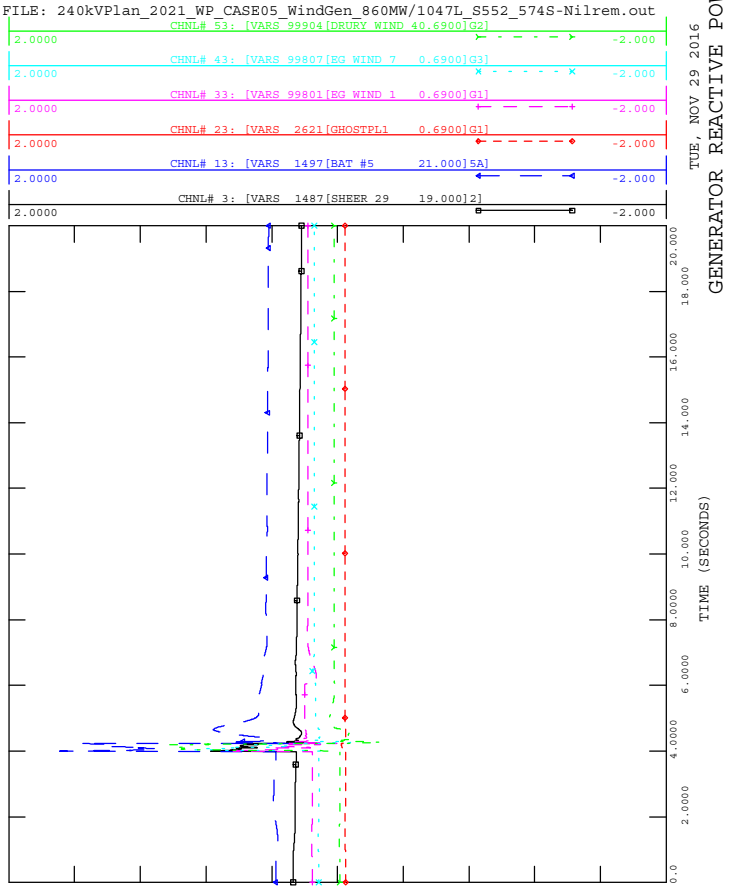
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_S552_574S-Nilrem.out



TUE, NOV 29 2016 9:10
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -1047L_S552_574S-NILREM

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/1047L_S552_574S-Nilrem.out



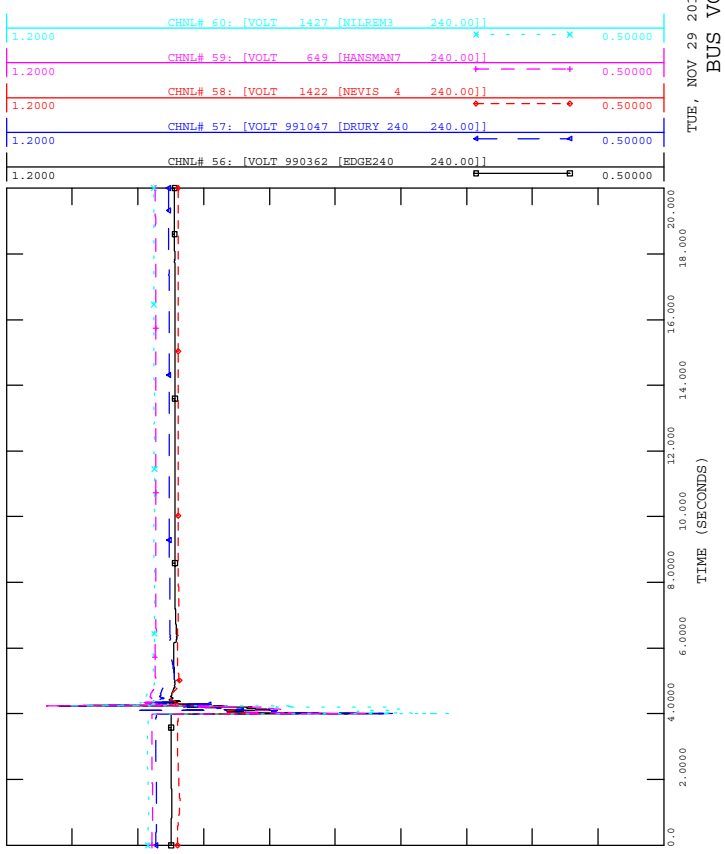
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Nilrem-Drury 240_574S-Ni

TUE, NOV 29 2016 9:10

BUS VOLTAGE

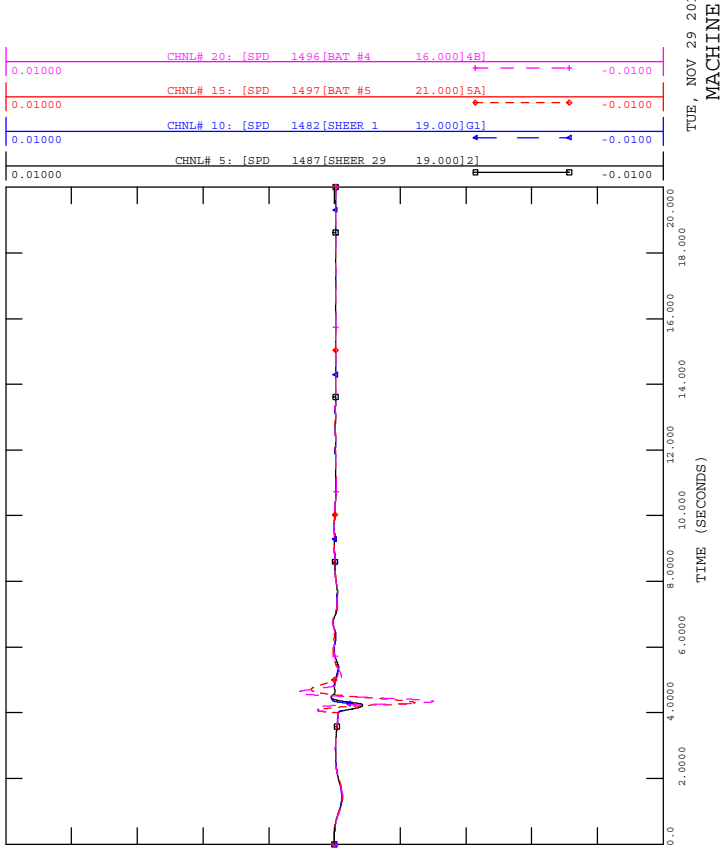


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Nilrem-Drury 240_574S-Ni

TUE, NOV 29 2016 9:10

MACHINE SPEED

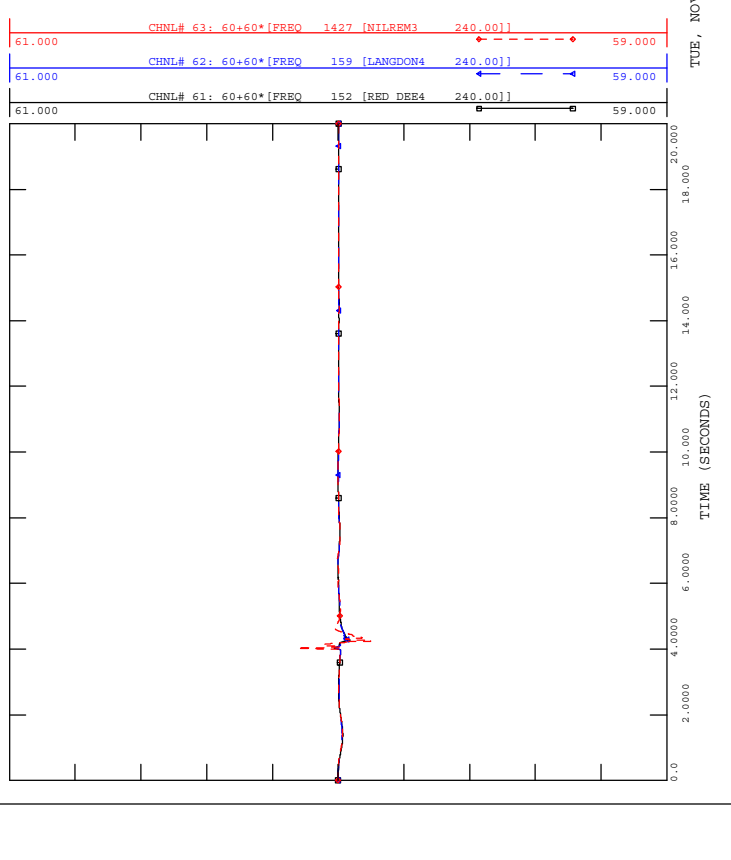


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Nilrem-Drury 240_574S-Ni

TUE, NOV 29 2016 9:10

FREQUENCY

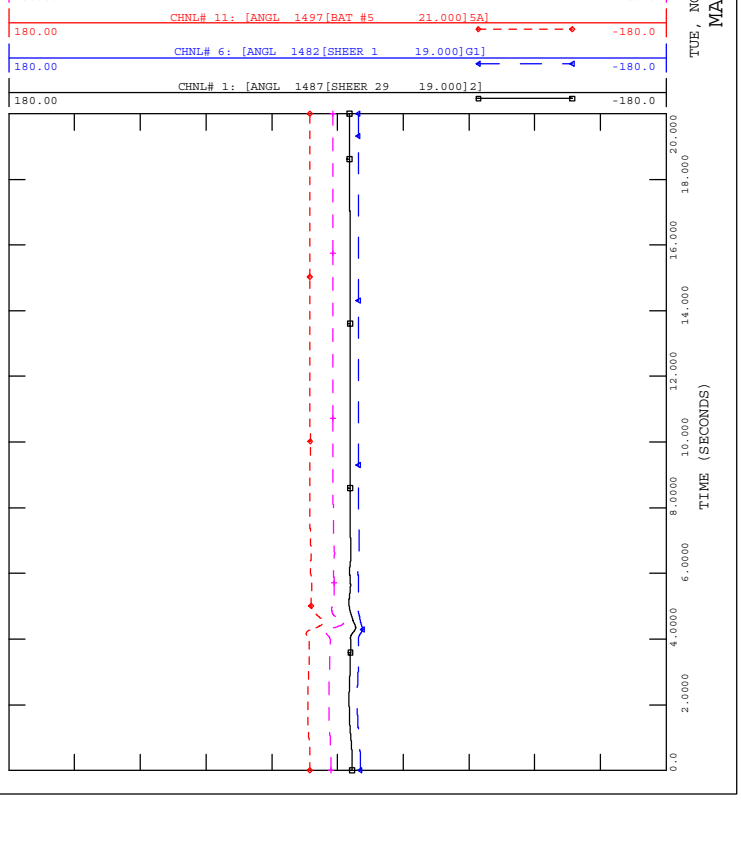


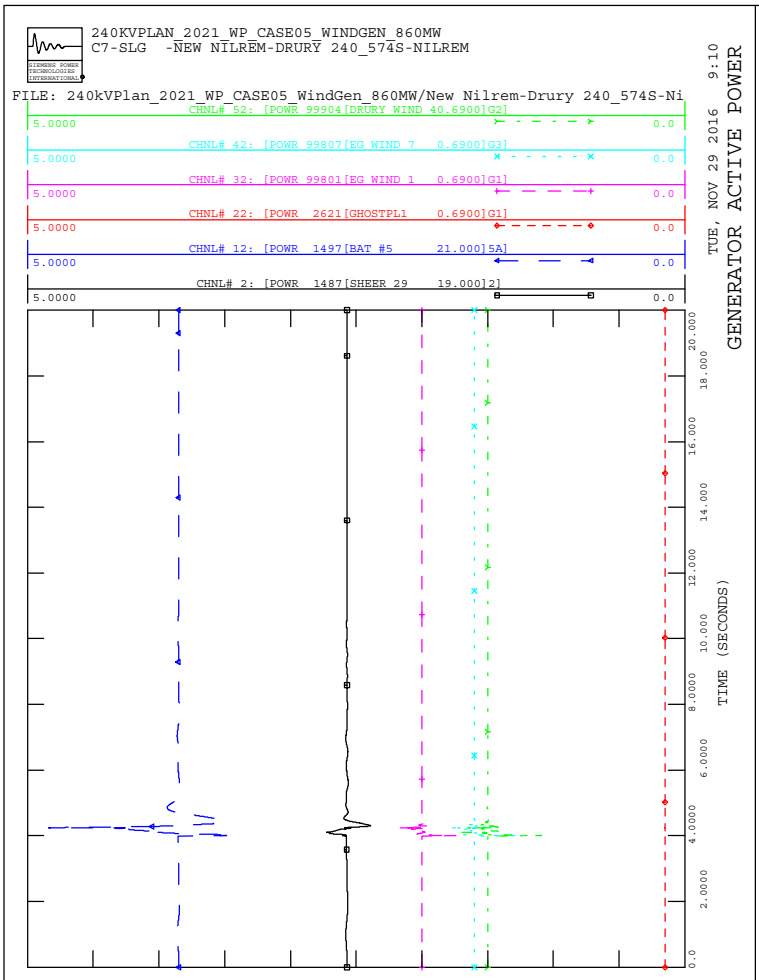
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Nilrem-Drury 240_574S-Ni

TUE, NOV 29 2016 9:10

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Nilrem-Drury 240_574S-Ni
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
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8.0000
10.000
12.000
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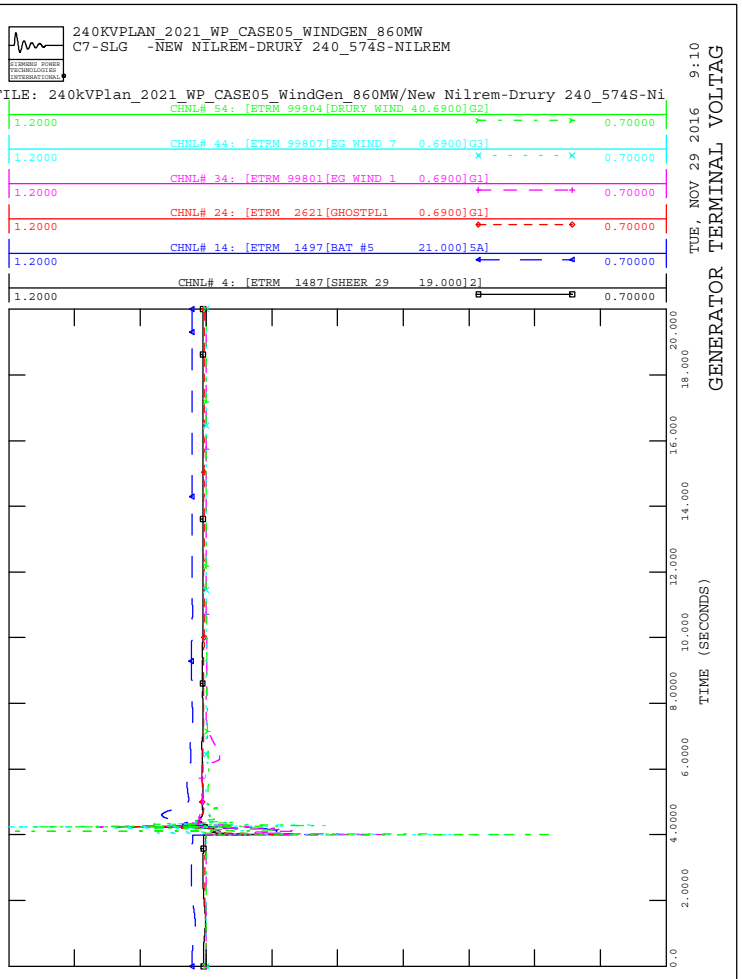
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Nilrem-Drury 240_574S-Ni
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
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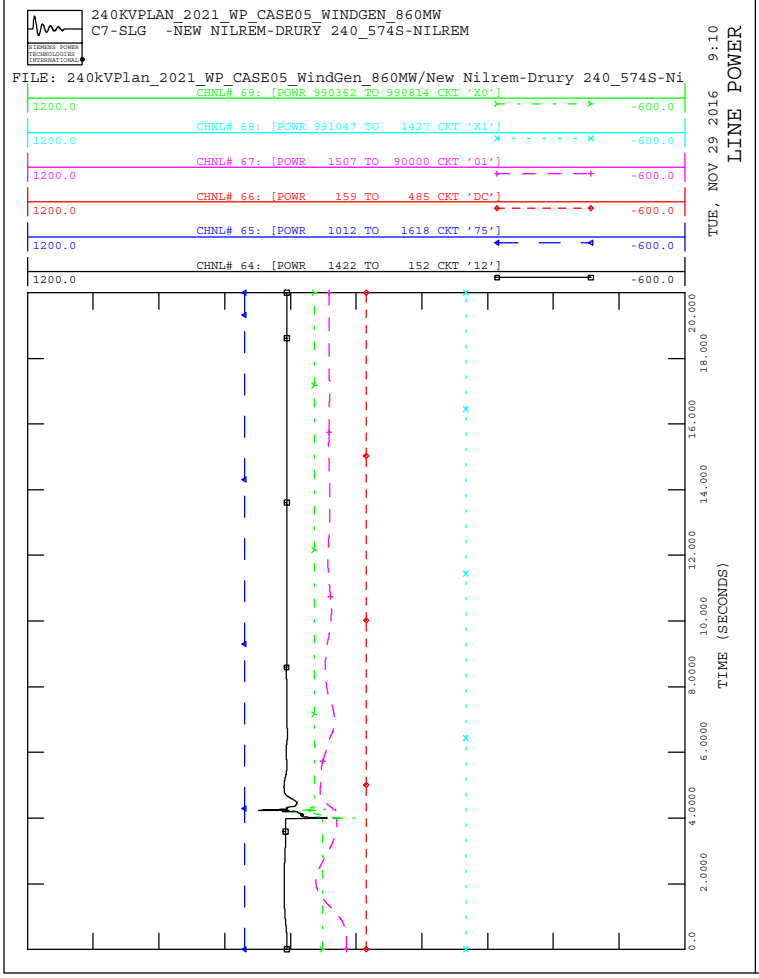
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW NILREM-DRURY 240_574S-NILREM
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Nilrem-Drury 240_574S-Ni
TUE, NOV 29 2016 9:10
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
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4.0000
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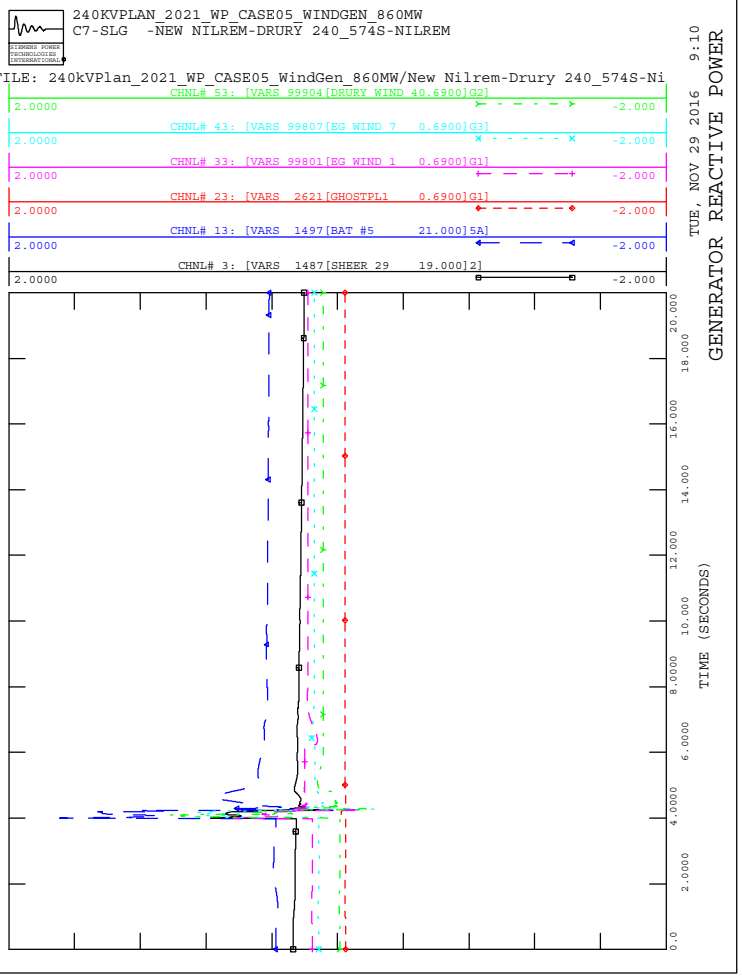
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C7-SLG -NEW NILREM-DRURY 240_574S-NILREM
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Nilrem-Drury 240_574S-Ni
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
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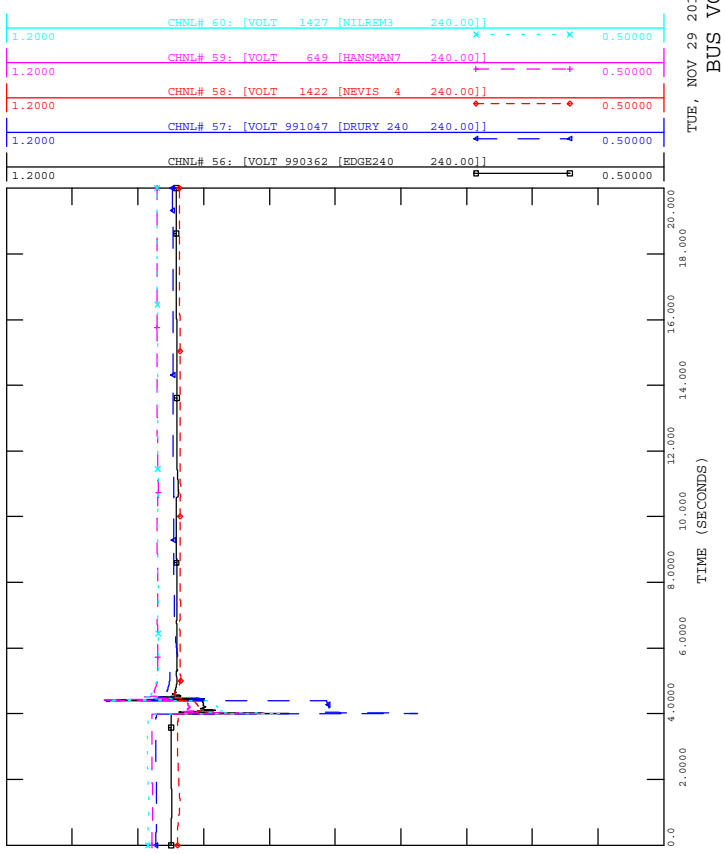
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_2007S_2007S-Drury.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

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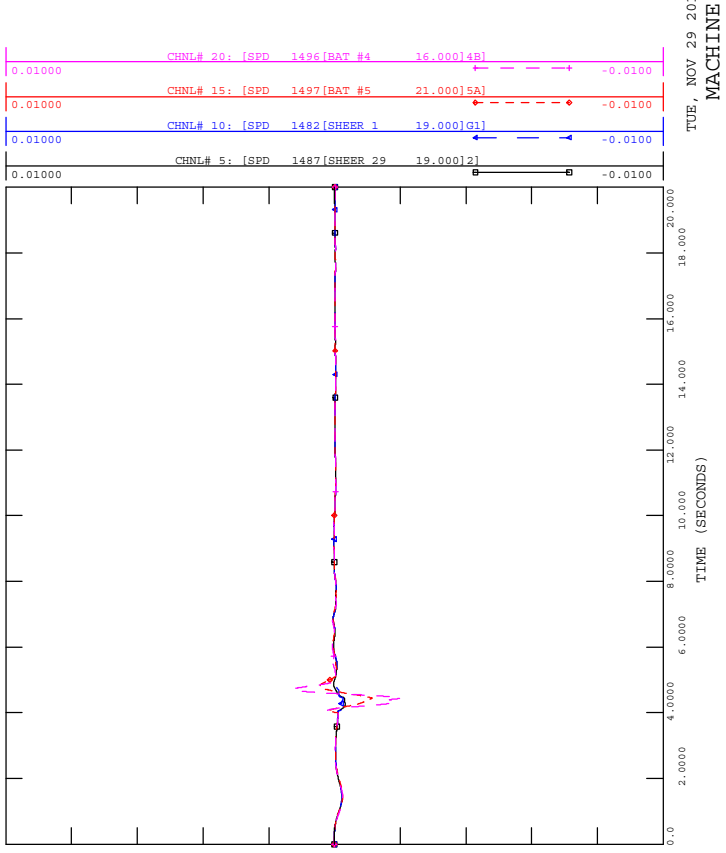
TUE, NOV 29 2016 9:10

MACHINE SPEED



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C7-SLG -7L65_2007S_2007S-DRURY

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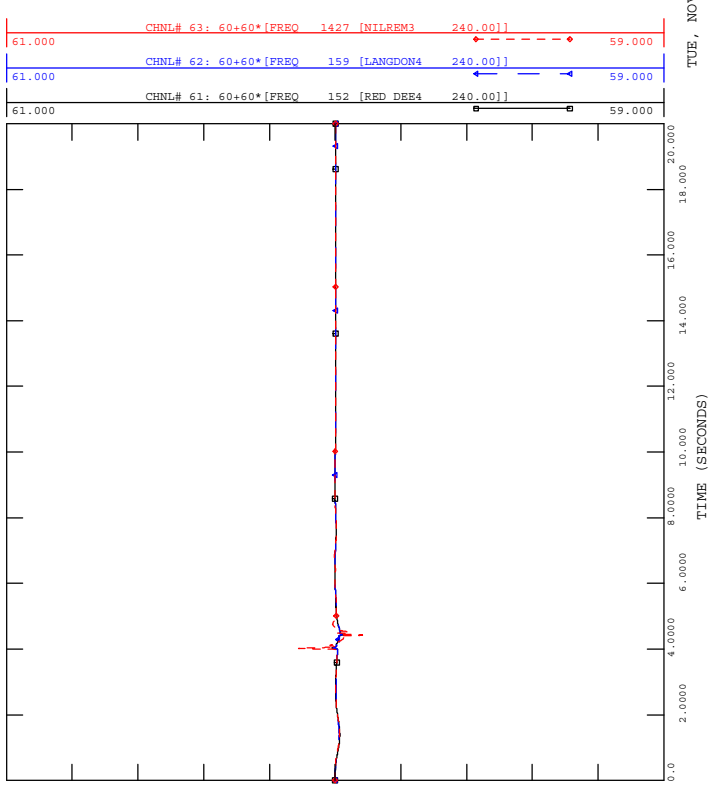

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C7-SLG -7L65_2007S_2007S-DRURY

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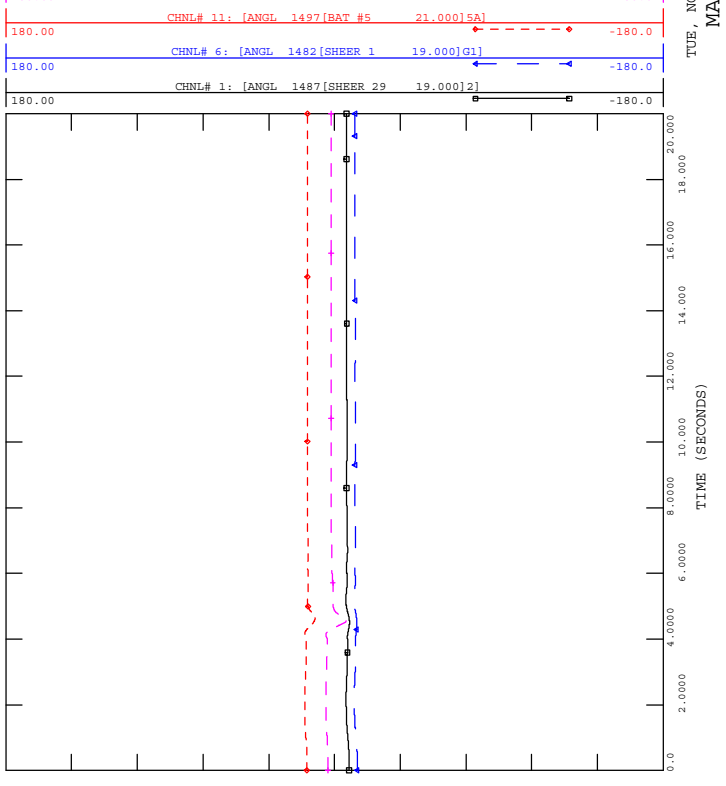
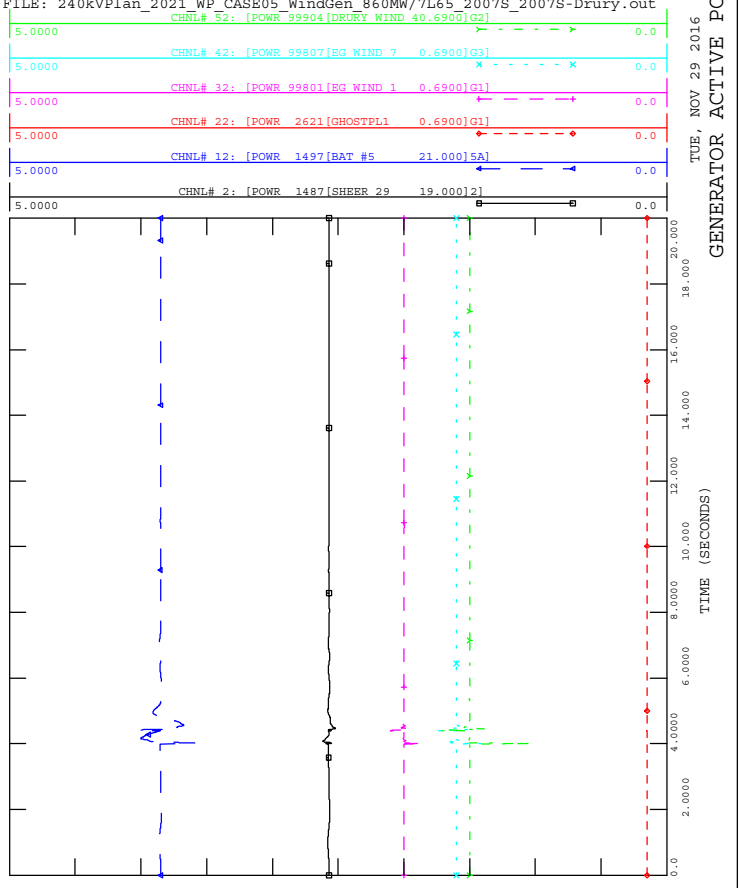
MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

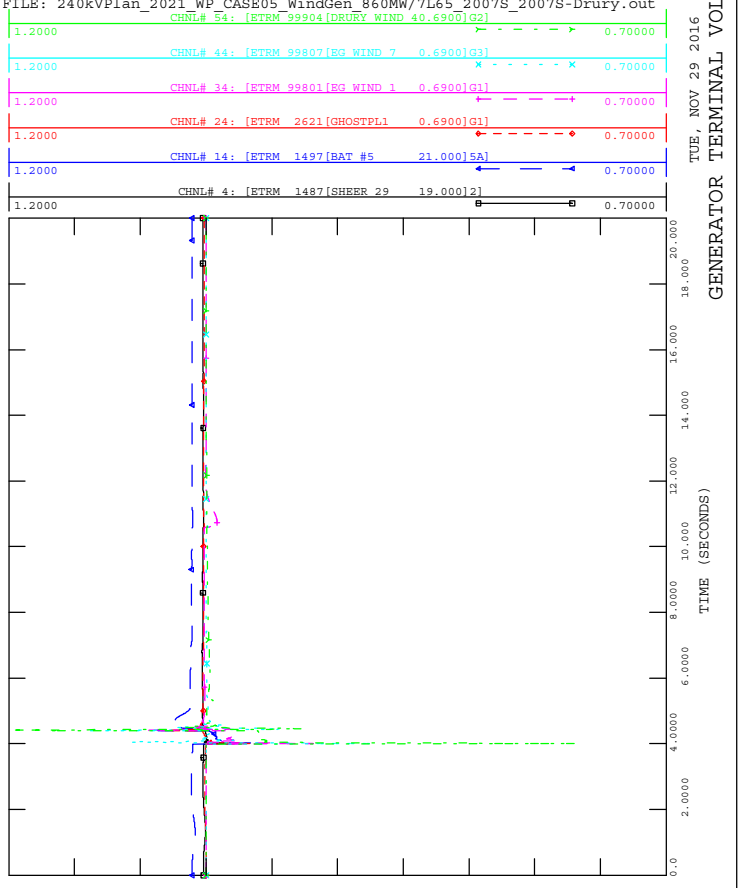
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_2007S_2007S-Drury.out



TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

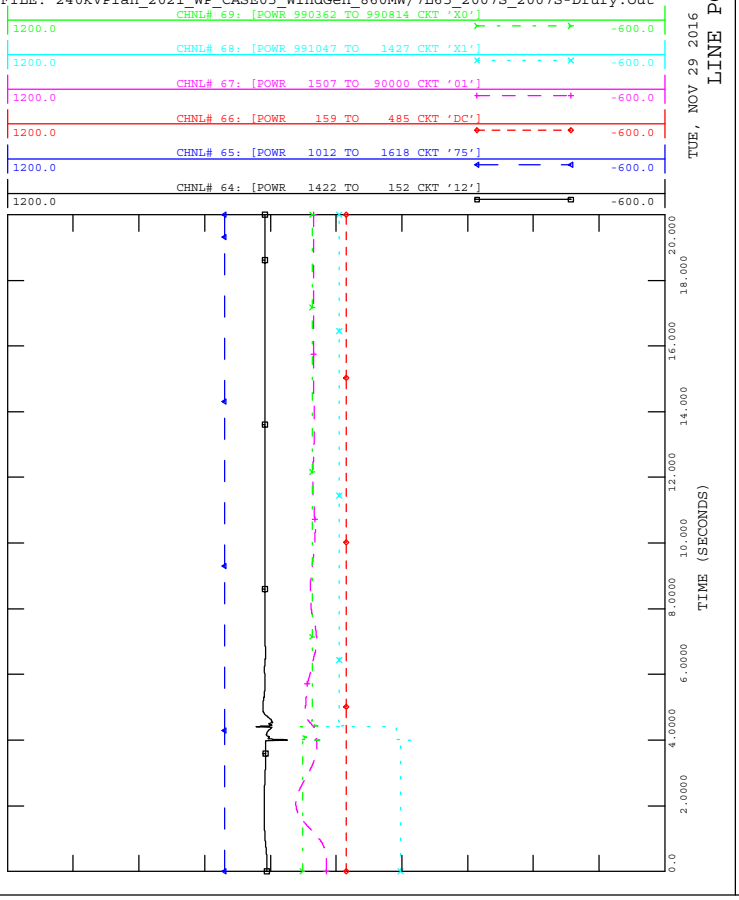
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_2007S_2007S-Drury.out



TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

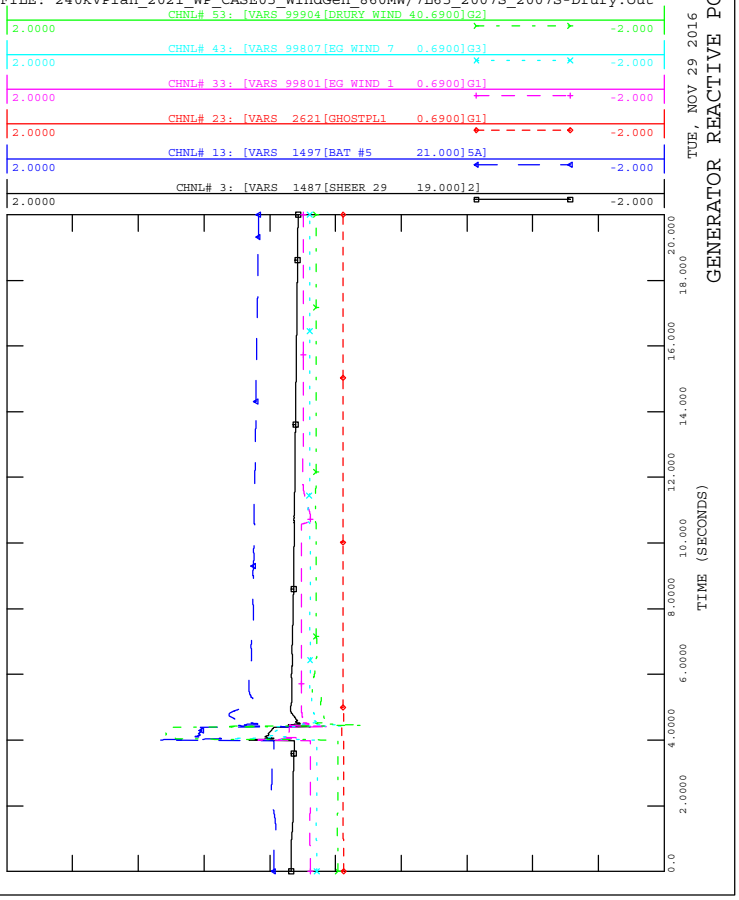
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_2007S_2007S-Drury.out



TUE, NOV 29 2016 9:10
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L65_2007S_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L65_2007S_2007S-Drury.out



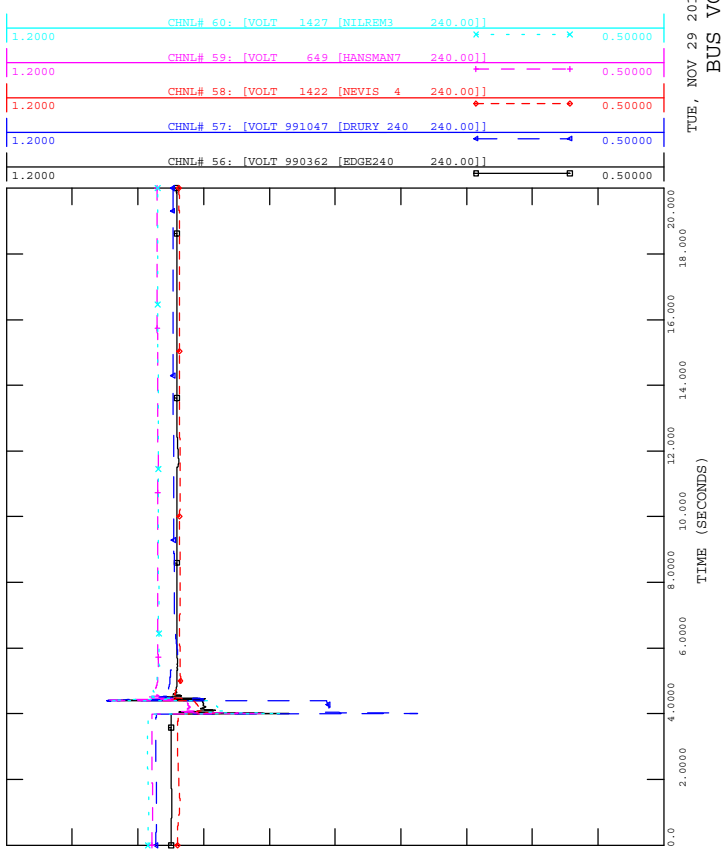
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_2007S_2007S-Drury.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

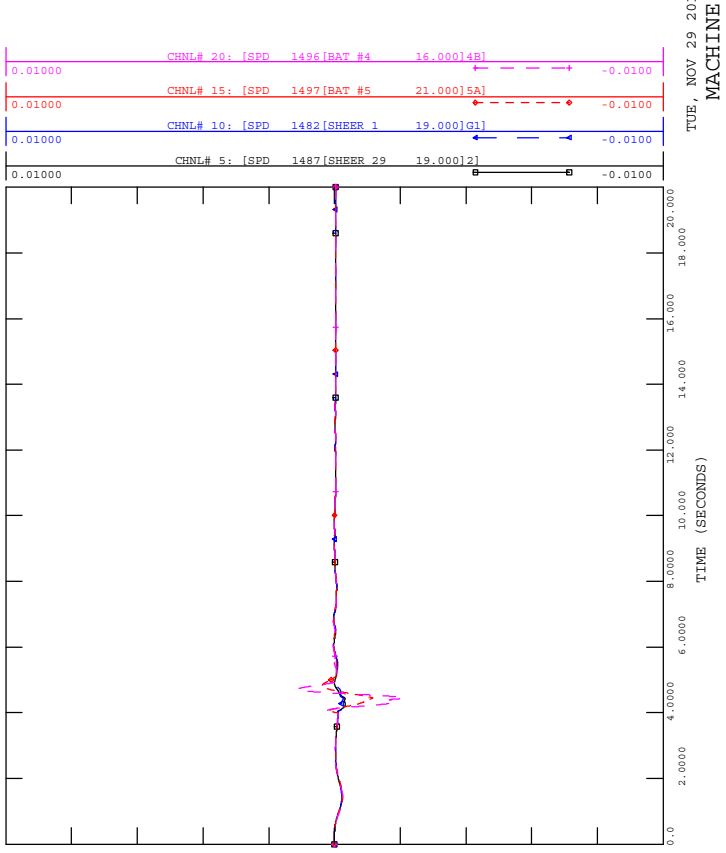


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_2007S_2007S-Drury.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

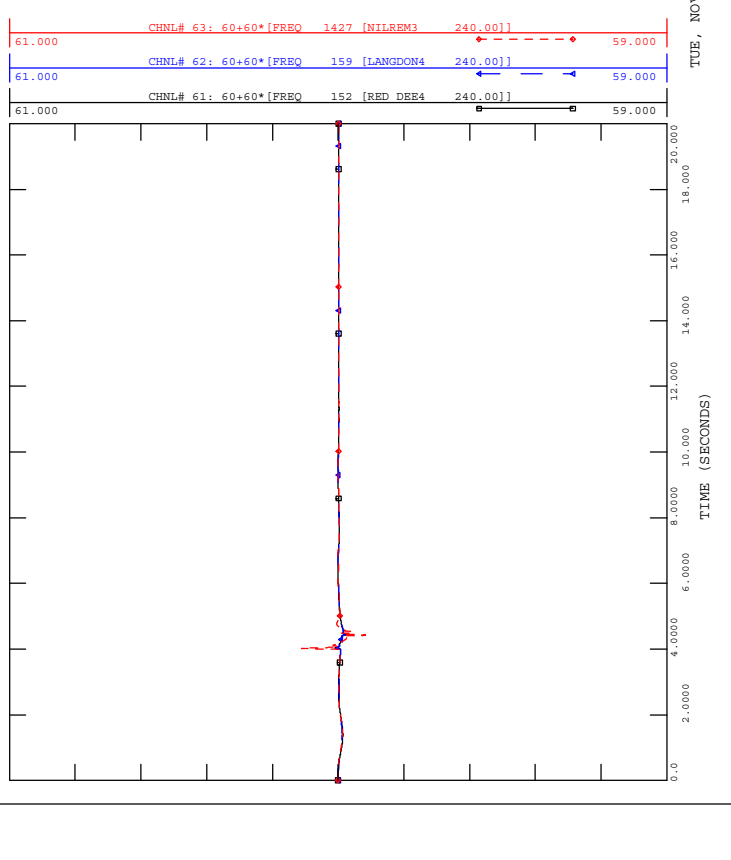


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_2007S_2007S-Drury.out

TUE, NOV 29 2016 9:10

FREQUENCY

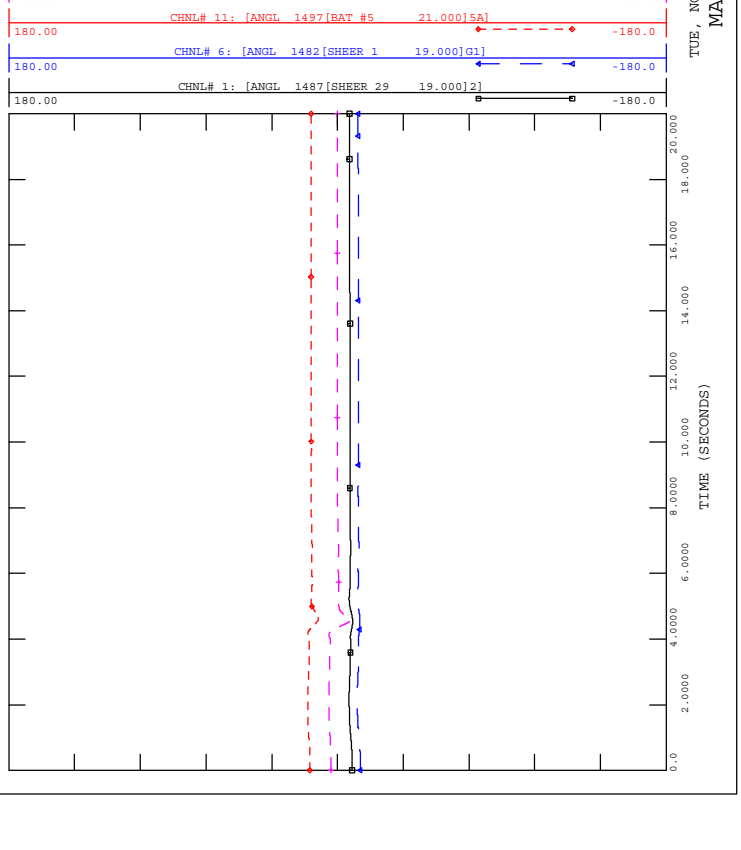


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_2007S_2007S-Drury.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY

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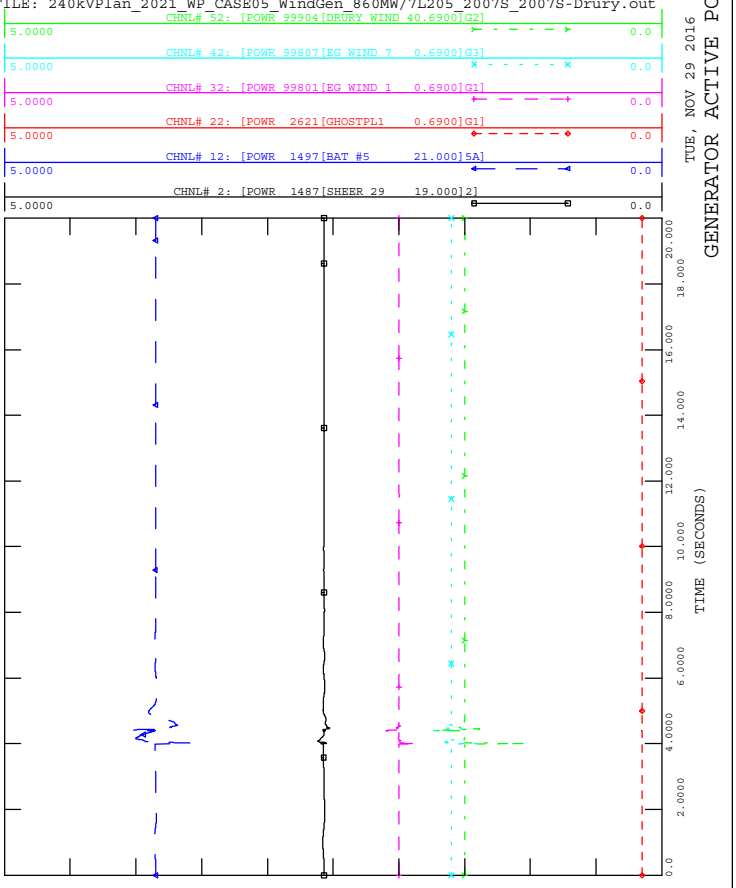
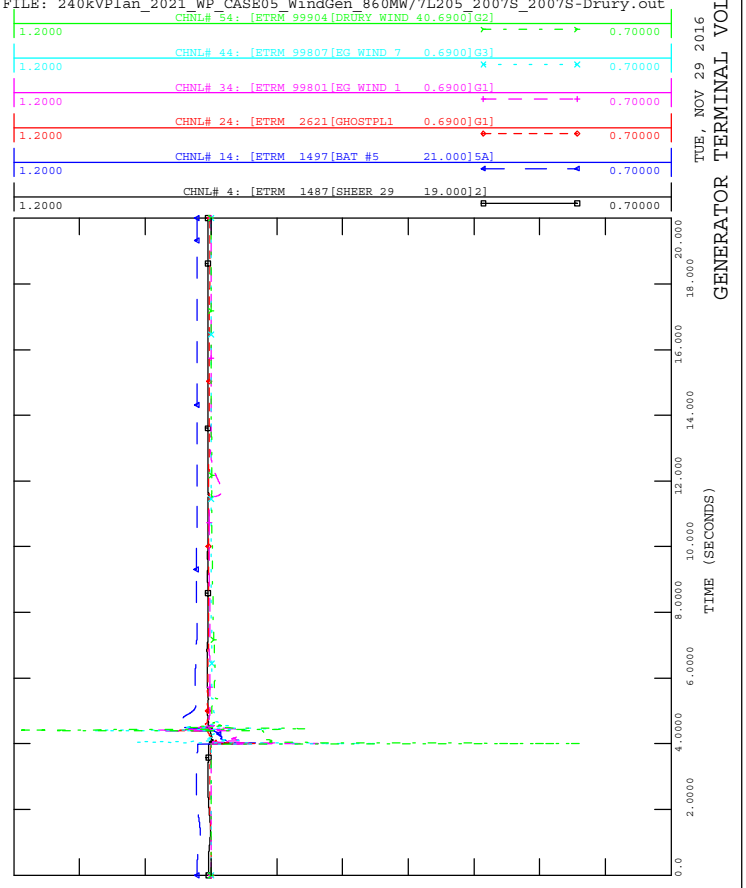


TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_2007S_2007S-Drury.out

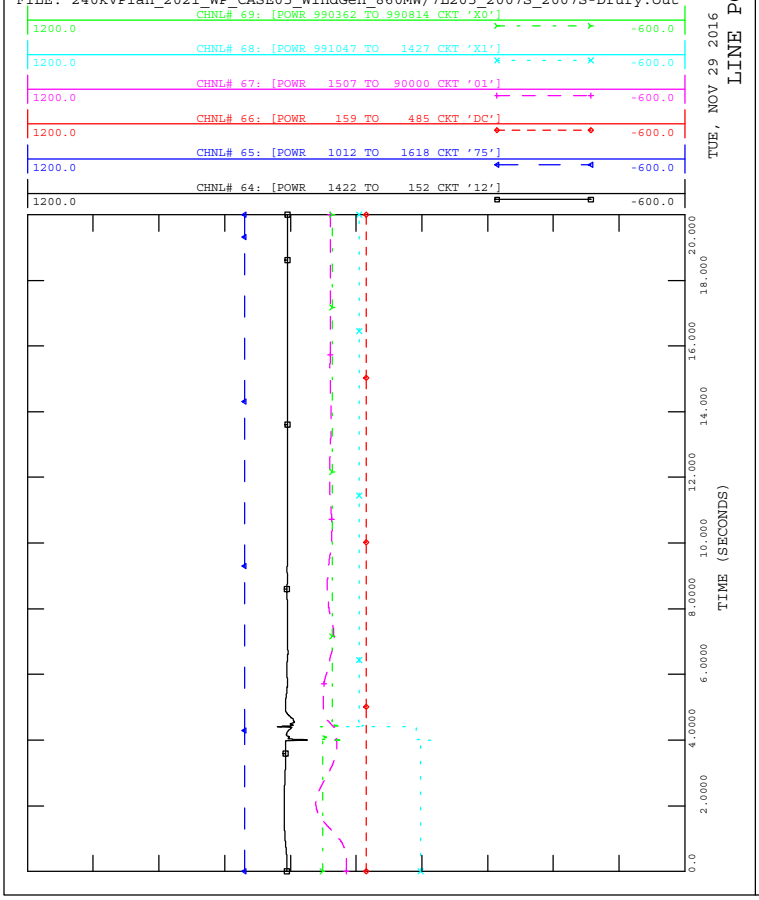


TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_2007S_2007S-Drury.out

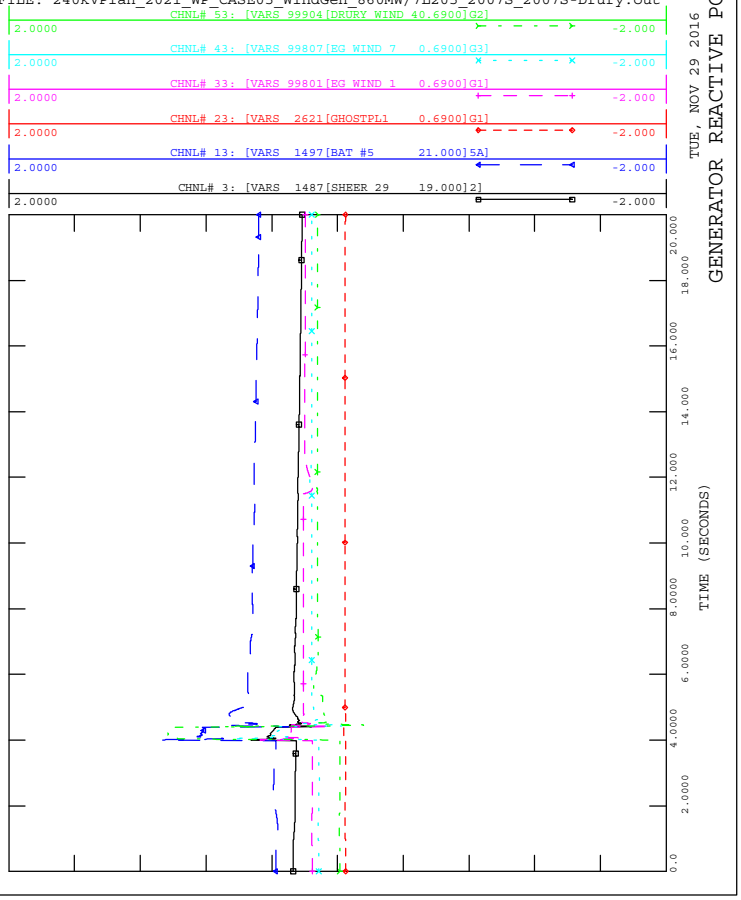


TUE, NOV 29 2016 9:10

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L205_2007S_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L205_2007S_2007S-Drury.out



TUE, NOV 29 2016 9:10

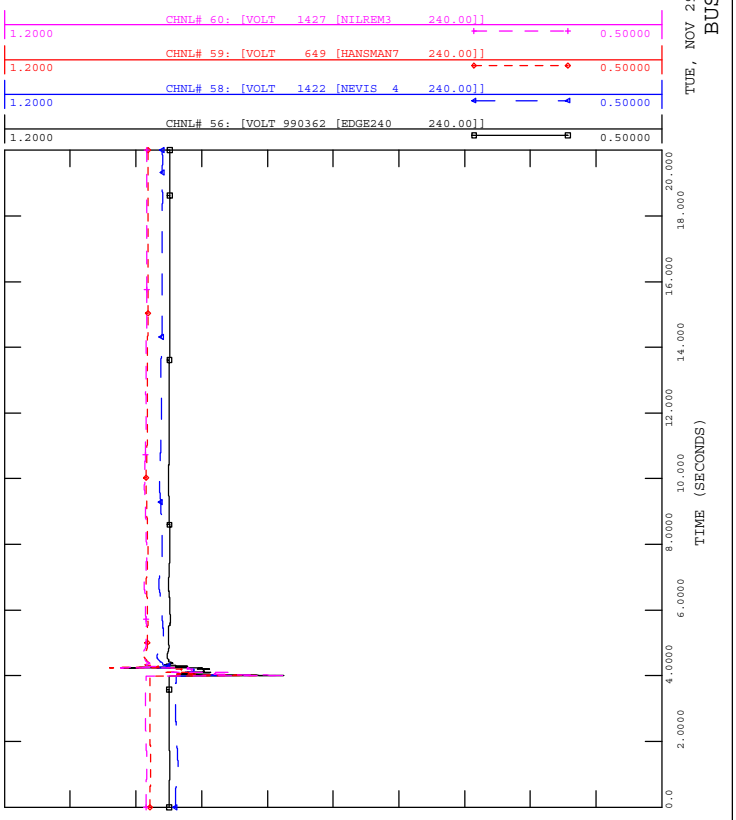
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:10

BUS VOLTAGE

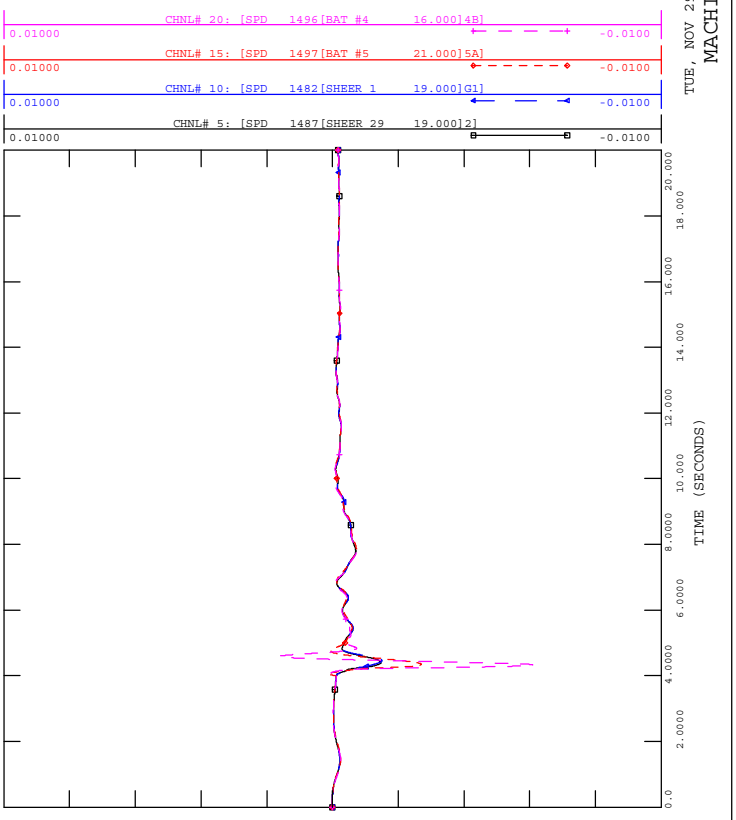


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:10

MACHINE SPEED

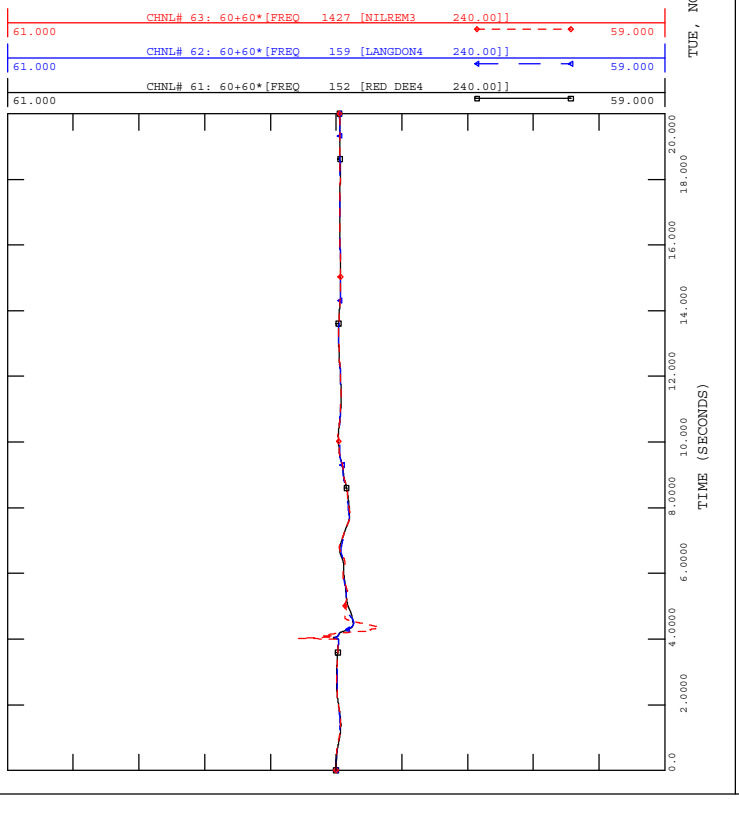


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:10

FREQUENCY

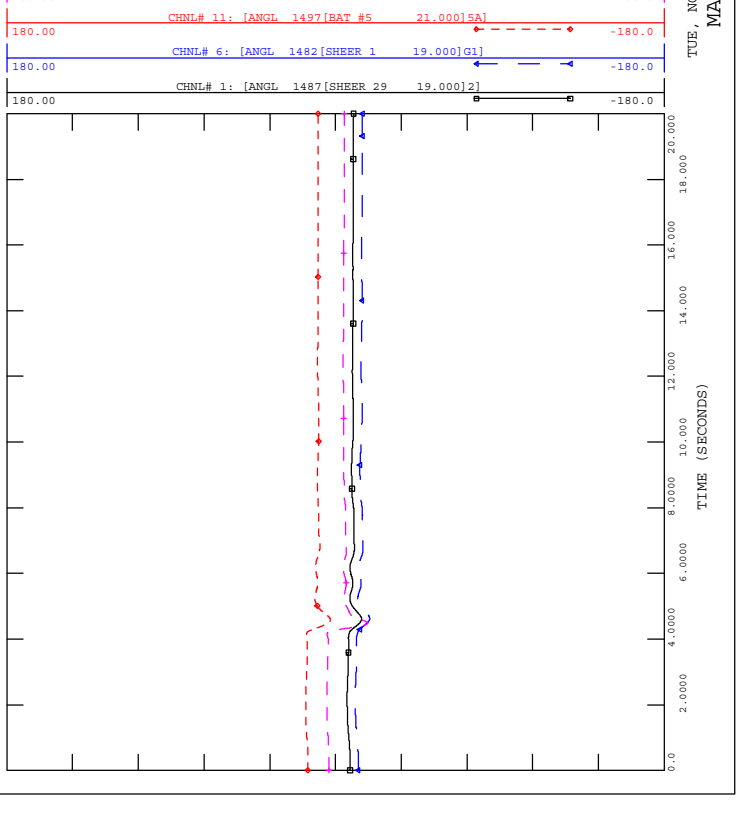


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:10

MACHINE ANGEL

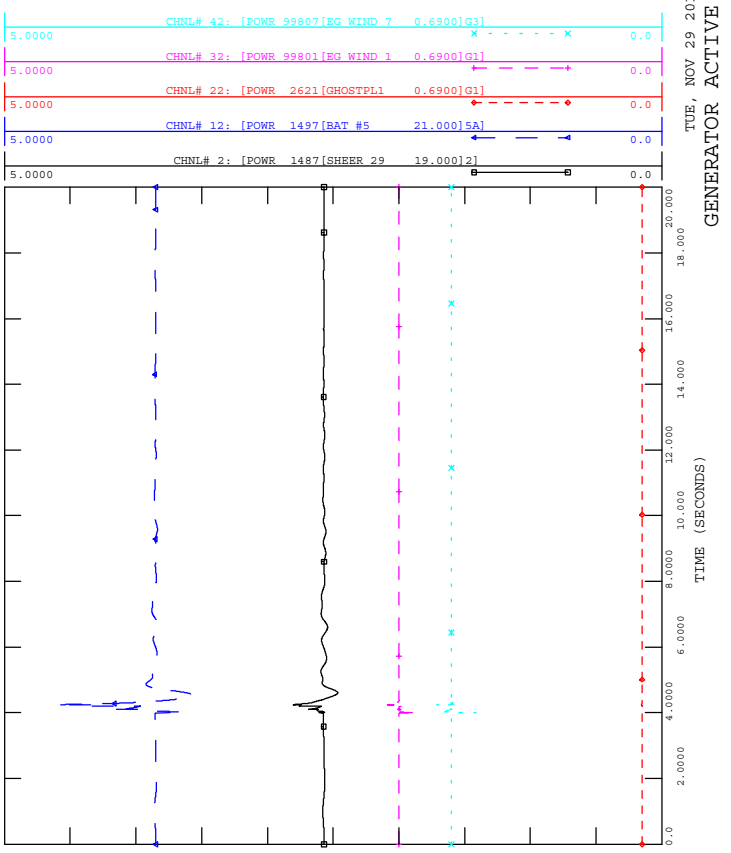


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

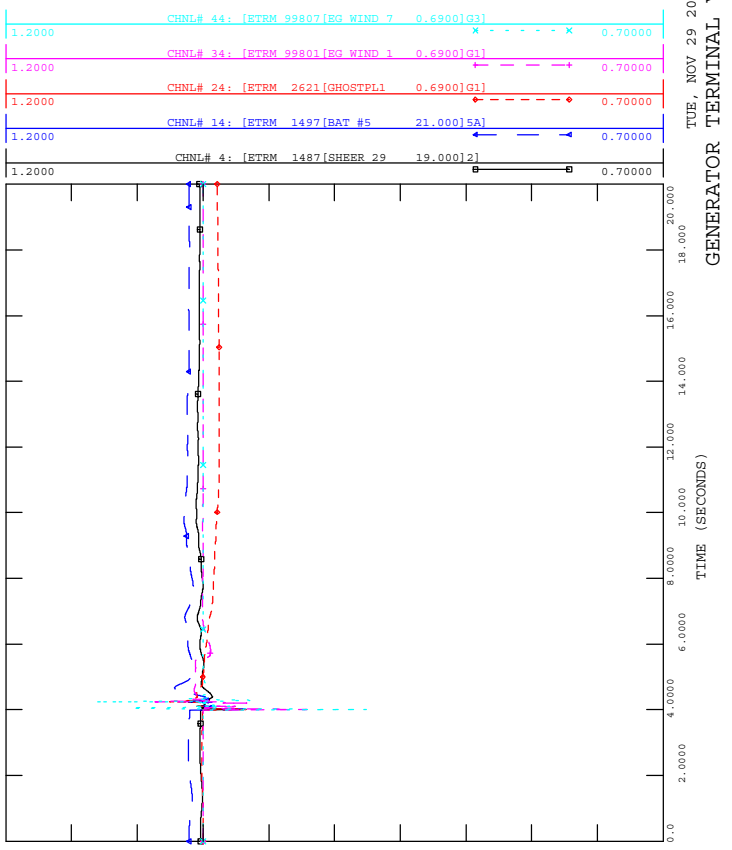


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

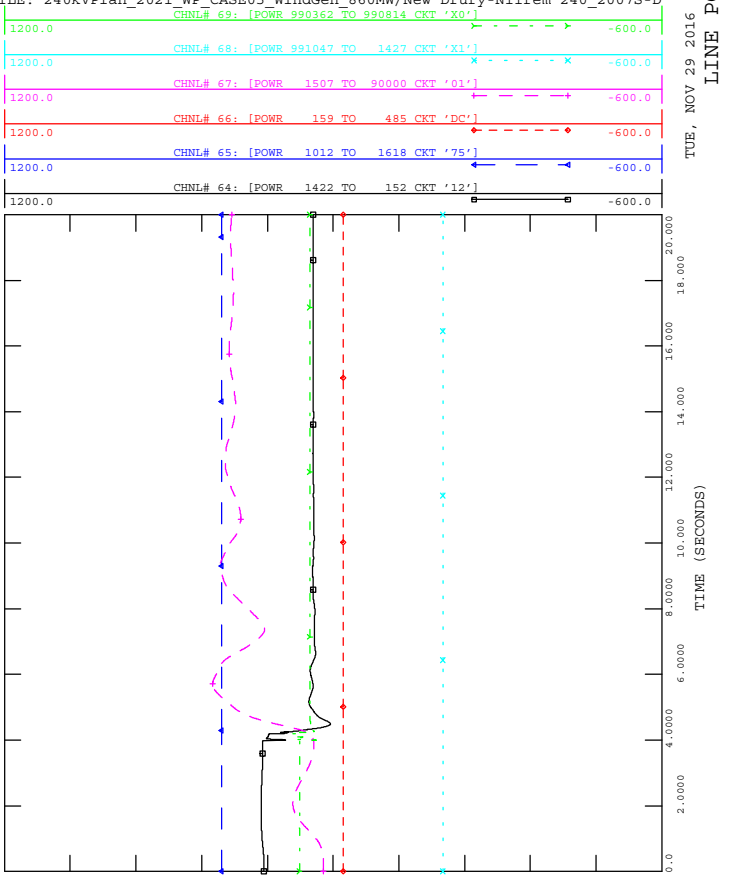


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:10

LINE POWER

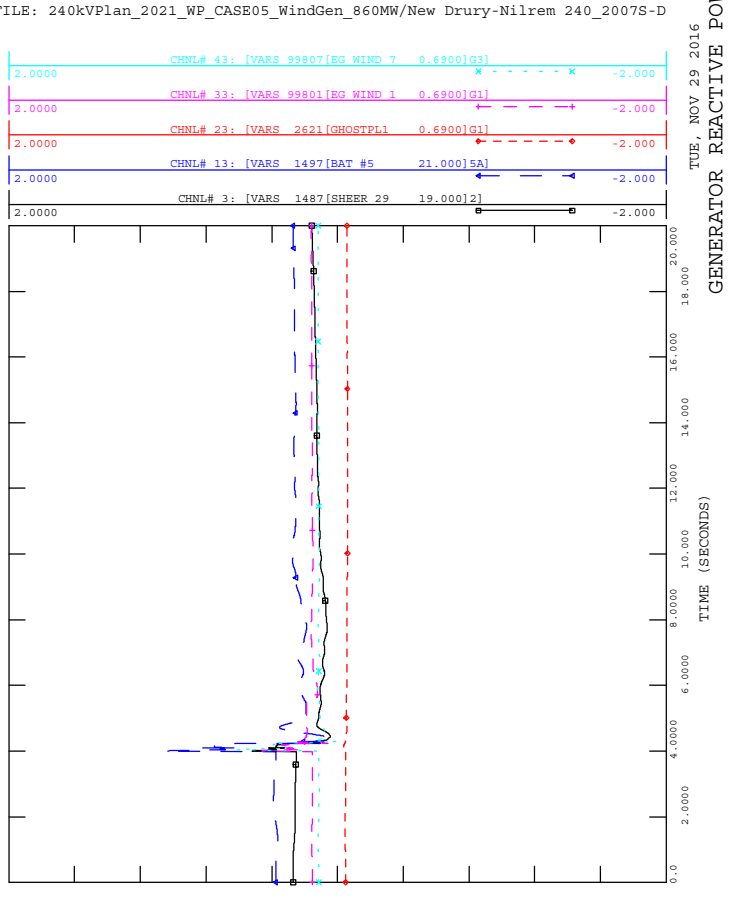


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW DRURY-NILREM 240_2007S-DRURY

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Drury-Nilrem 240_2007S-D

TUE, NOV 29 2016 9:10

GENERATOR REACTIVE POWER

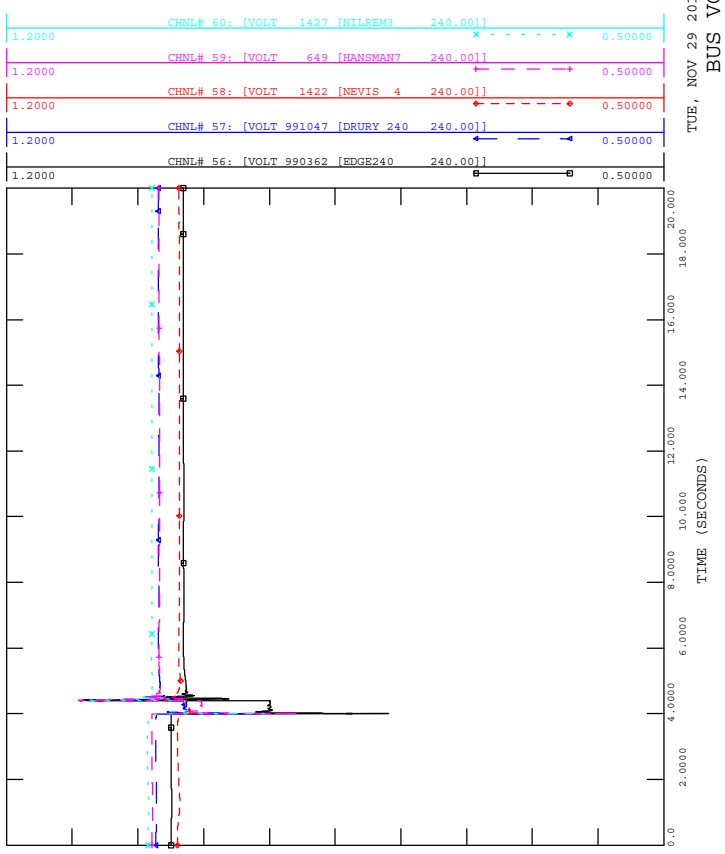


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_S749N_899S-Edgerton.ou

TUE, NOV 29 2016 9:10

BUS VOLTAGE

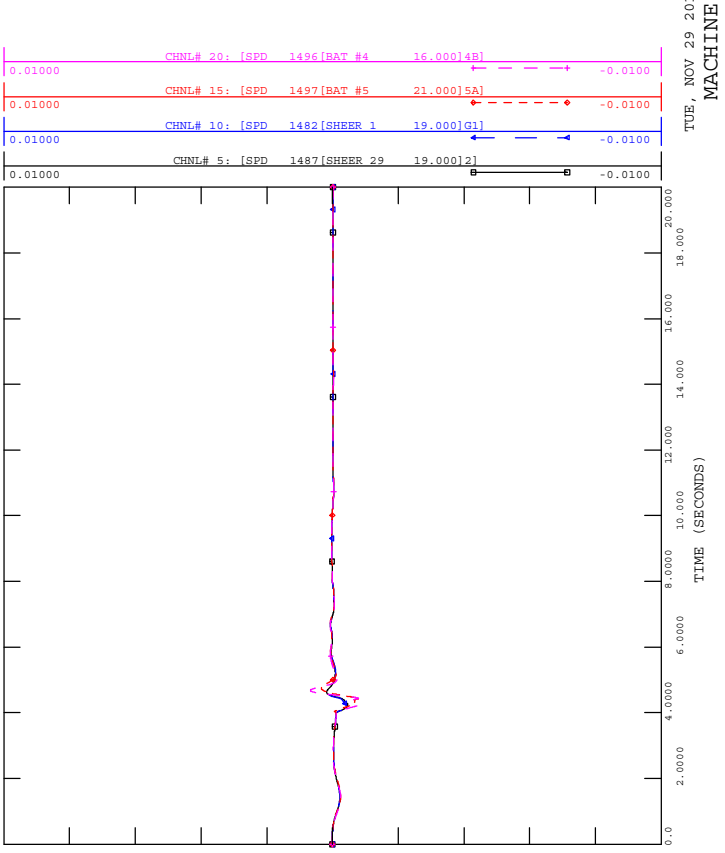


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_S749N_899S-Edgerton.ou

TUE, NOV 29 2016 9:10

MACHINE SPEED

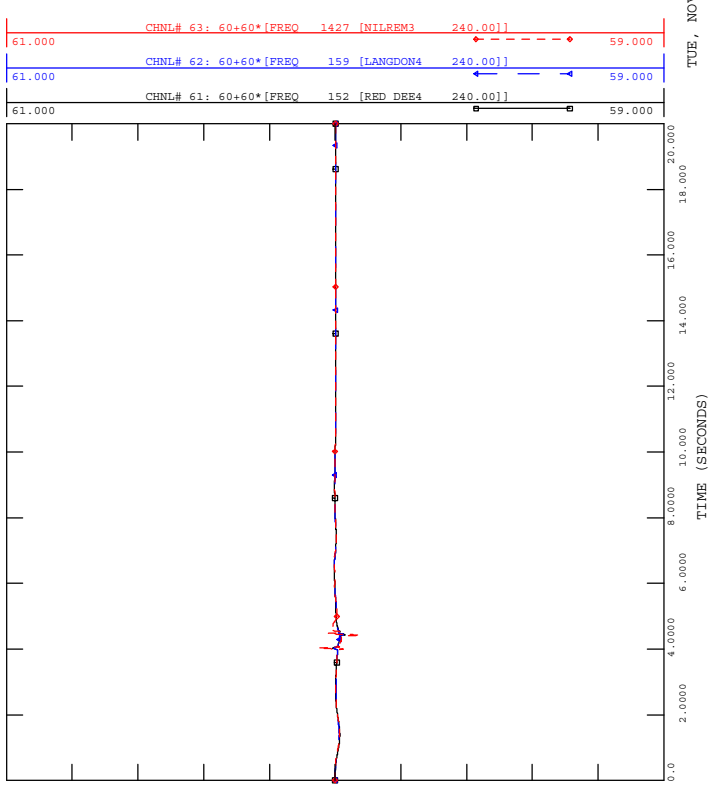


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_S749N_899S-Edgerton.ou

TUE, NOV 29 2016 9:10

FREQUENCY

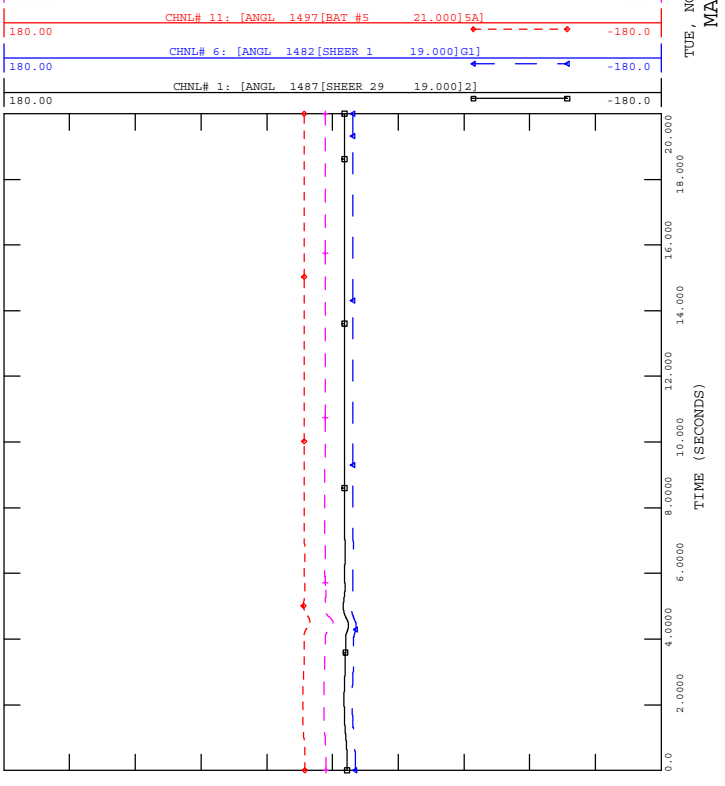


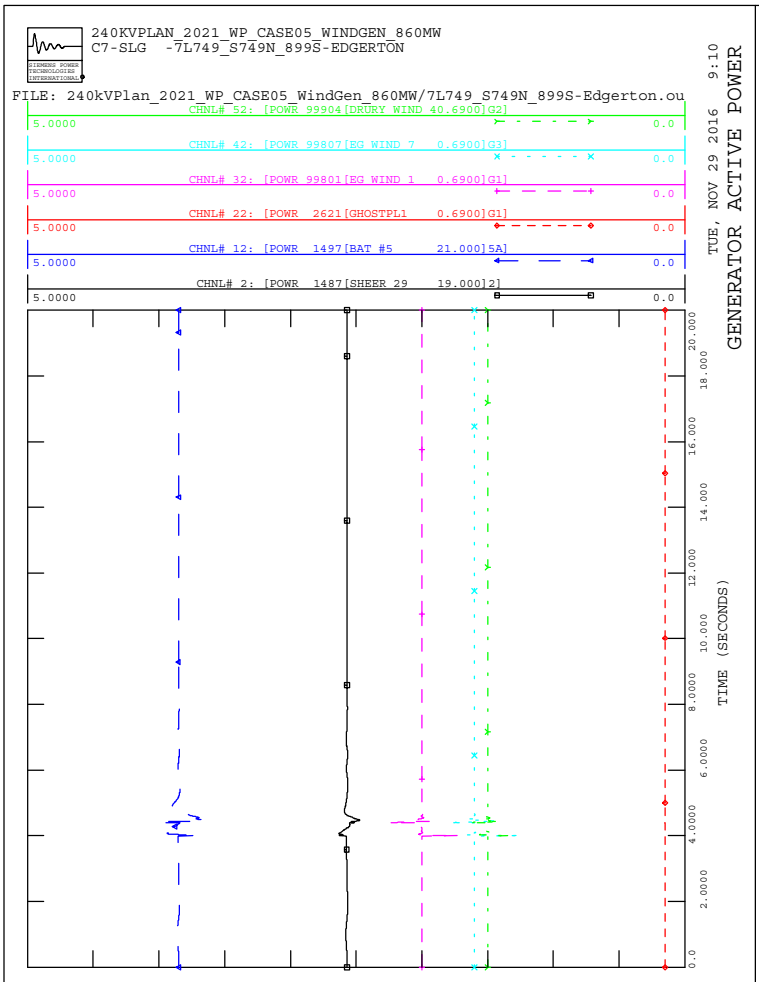
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON

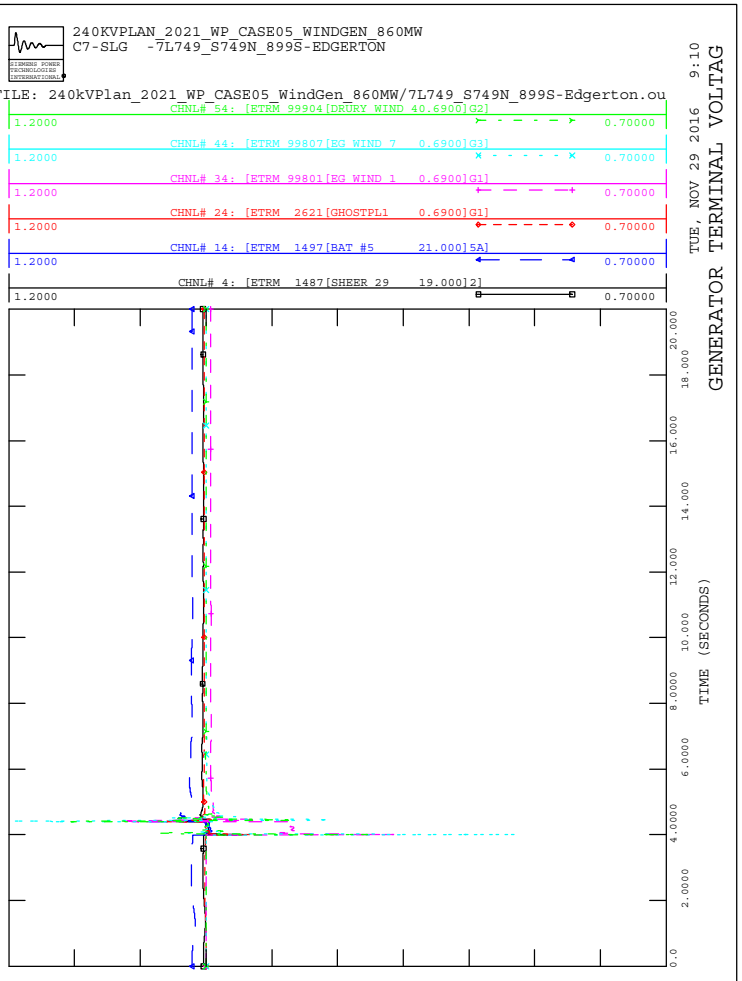
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_S749N_899S-Edgerton.ou

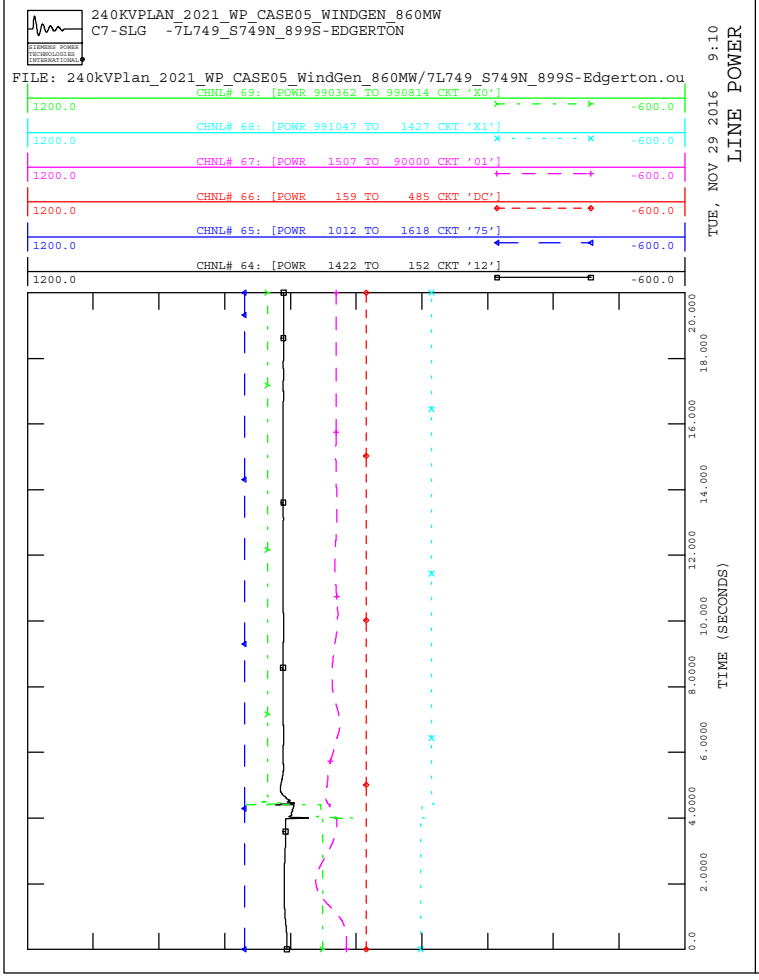
TUE, NOV 29 2016 9:10

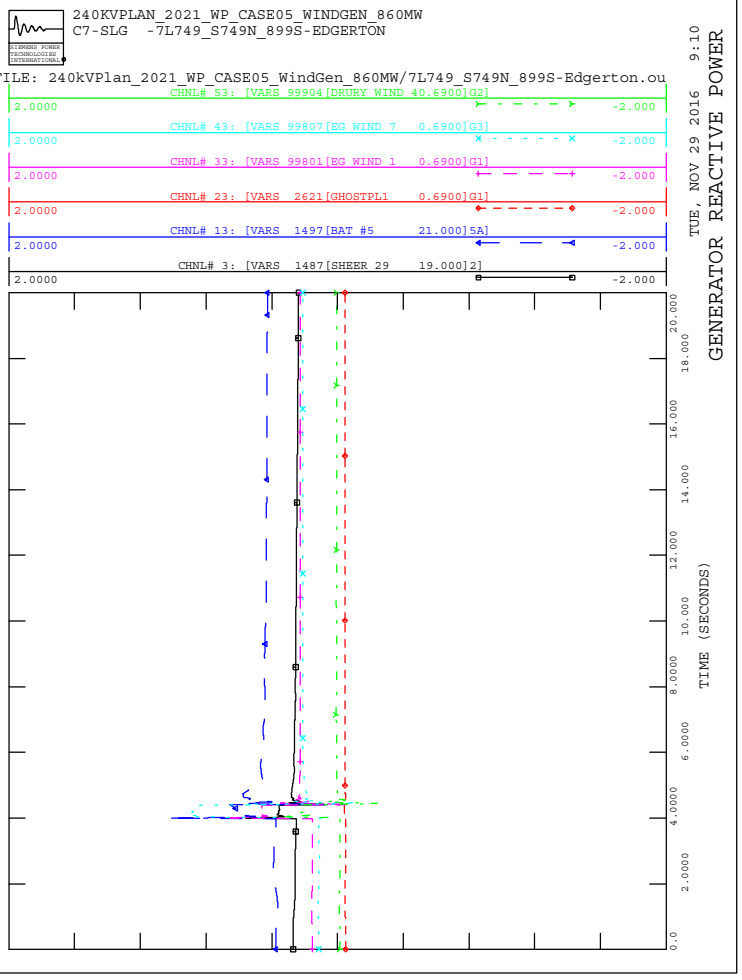
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_S749N_899S-Edgerton.ou
9:10
TUE, NOV 29 2016
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_S749N_899S-Edgerton.ou
9:10
TUE, NOV 29 2016
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_S749N_899S-Edgerton.ou
9:10
TUE, NOV 29 2016
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

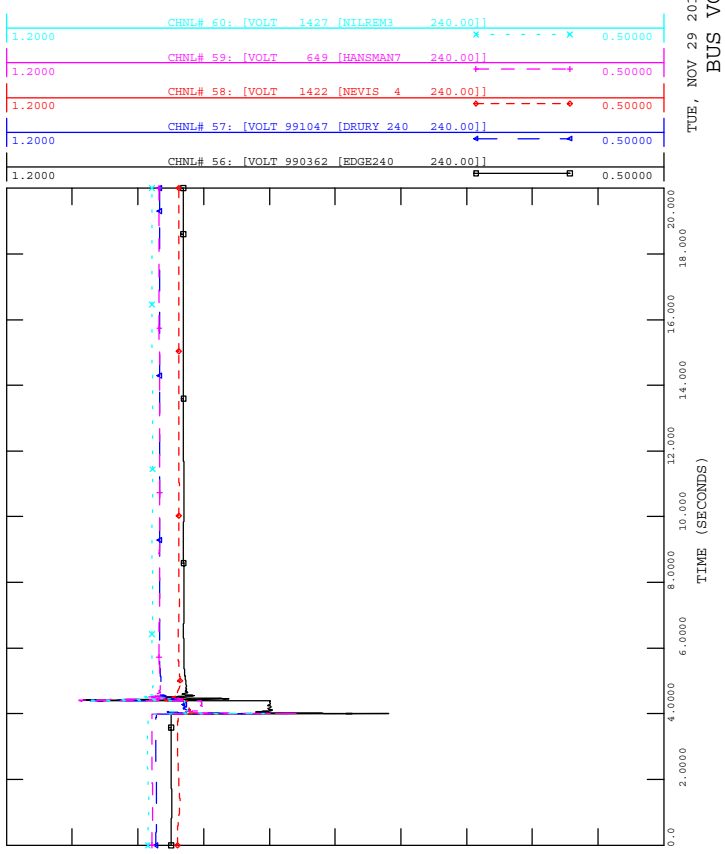

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -7L749_S749N_899S-EDGERTON
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/7L749_S749N_899S-Edgerton.ou
9:10
TUE, NOV 29 2016
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749X_899S-Edgerton.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

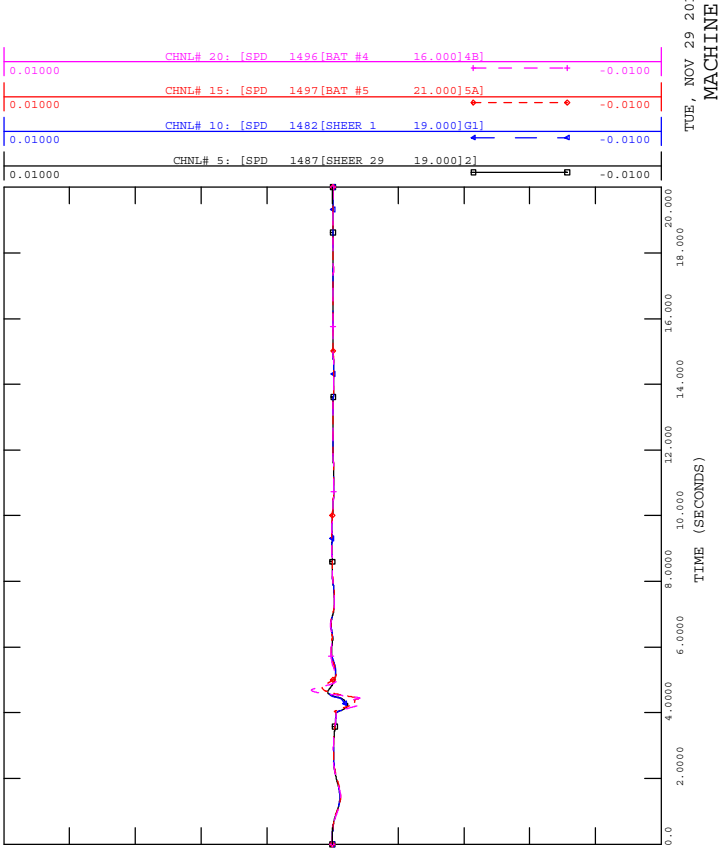


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749X_899S-Edgerton.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

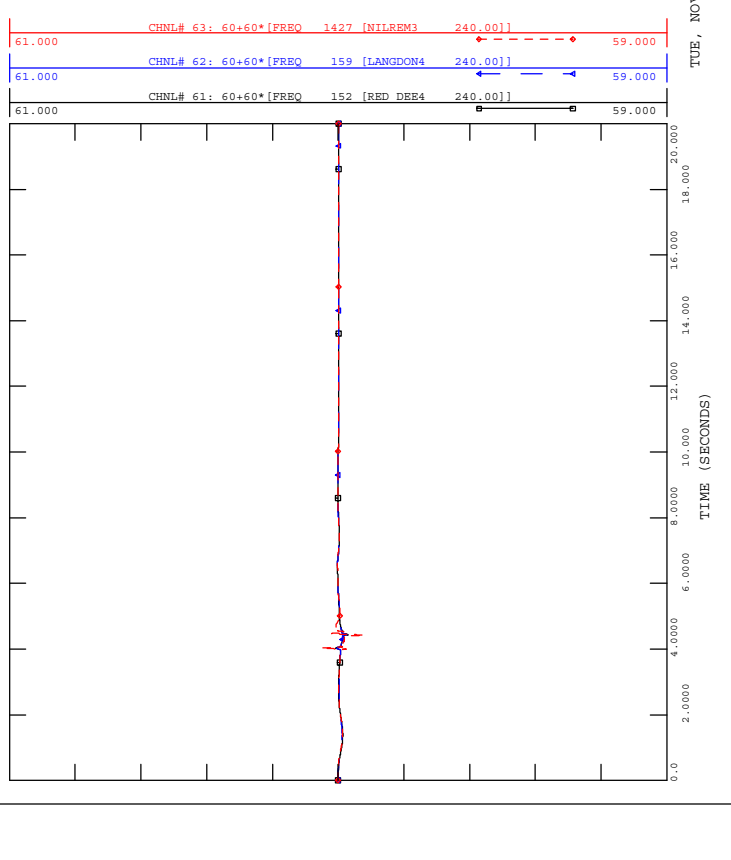


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749X_899S-Edgerton.out

TUE, NOV 29 2016 9:10

FREQUENCY

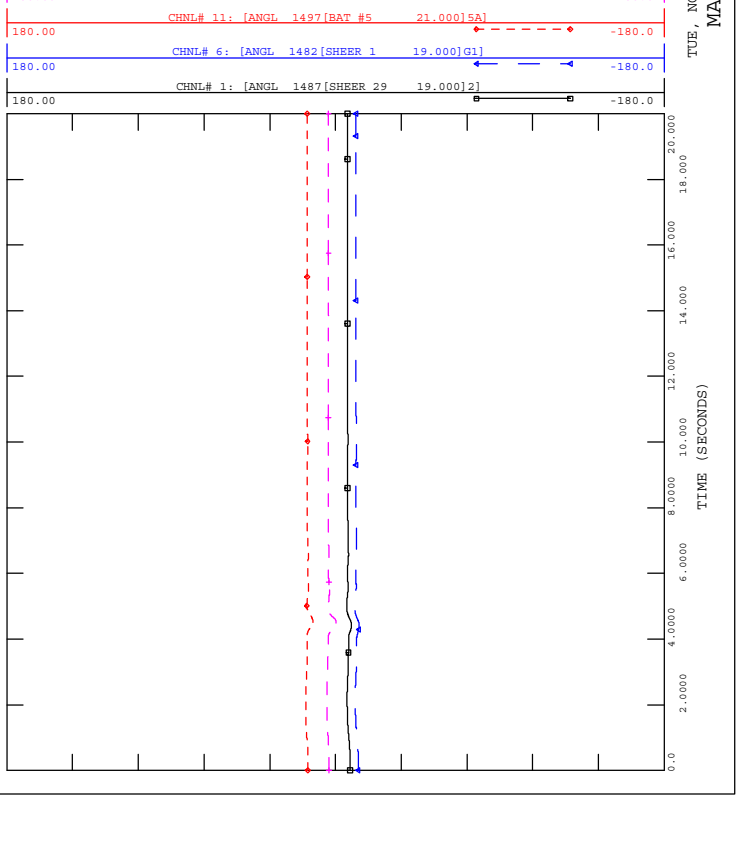


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749X_899S-Edgerton.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON

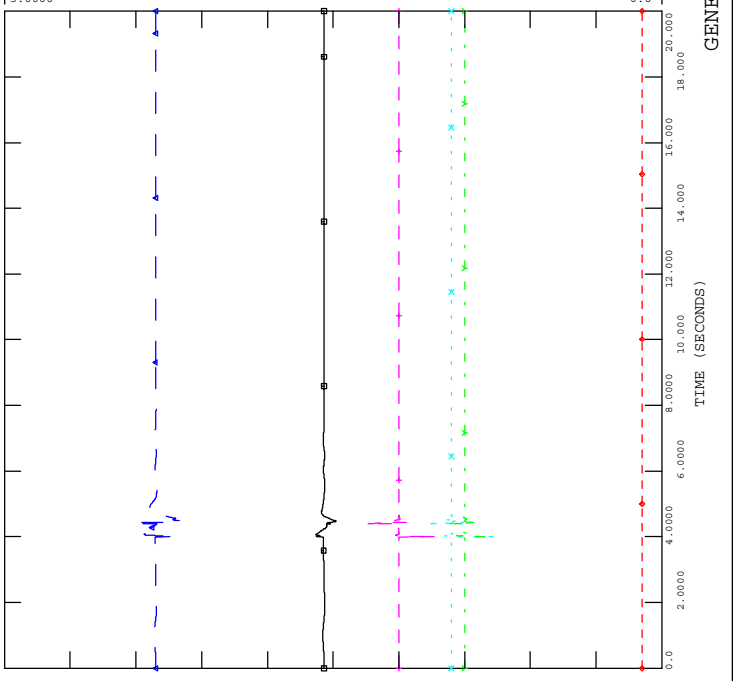
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749X_899S-Edgerton.out

TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON

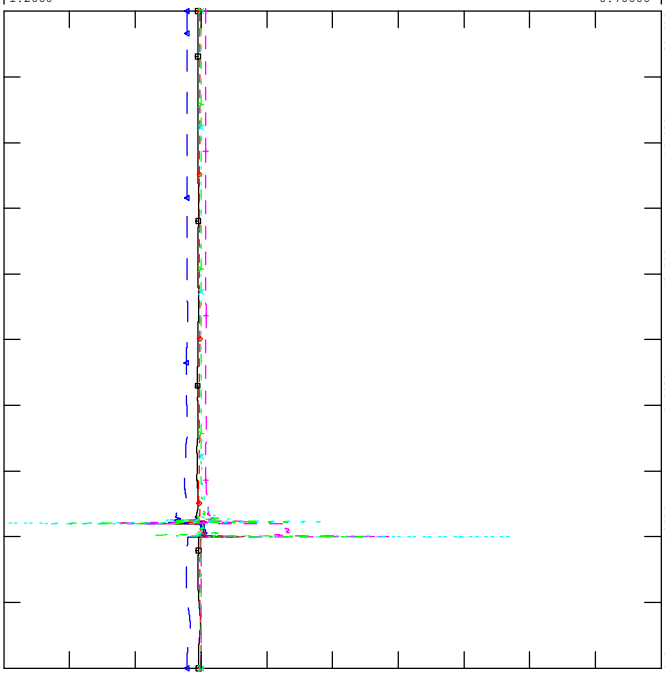
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749X_899S-Edgerton.out

TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON

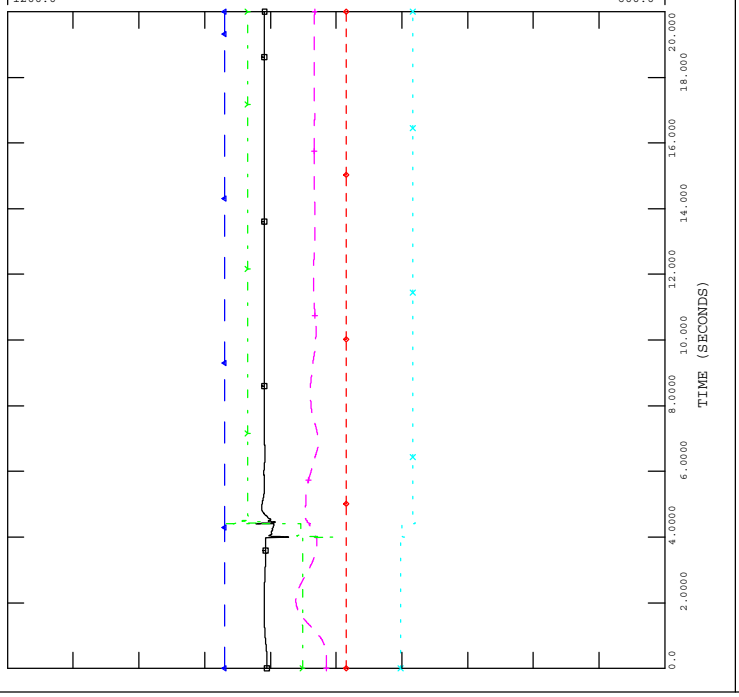
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749X_899S-Edgerton.out

TUE, NOV 29 2016 9:10

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -749L_S749X_899S-EDGERTON

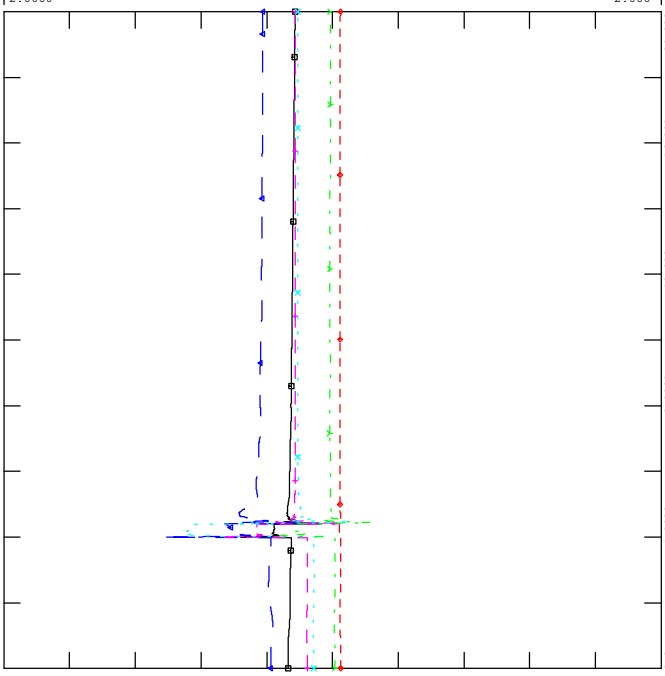
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/749L_S749X_899S-Edgerton.out

TUE, NOV 29 2016 9:10

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

TIME (SECONDS)

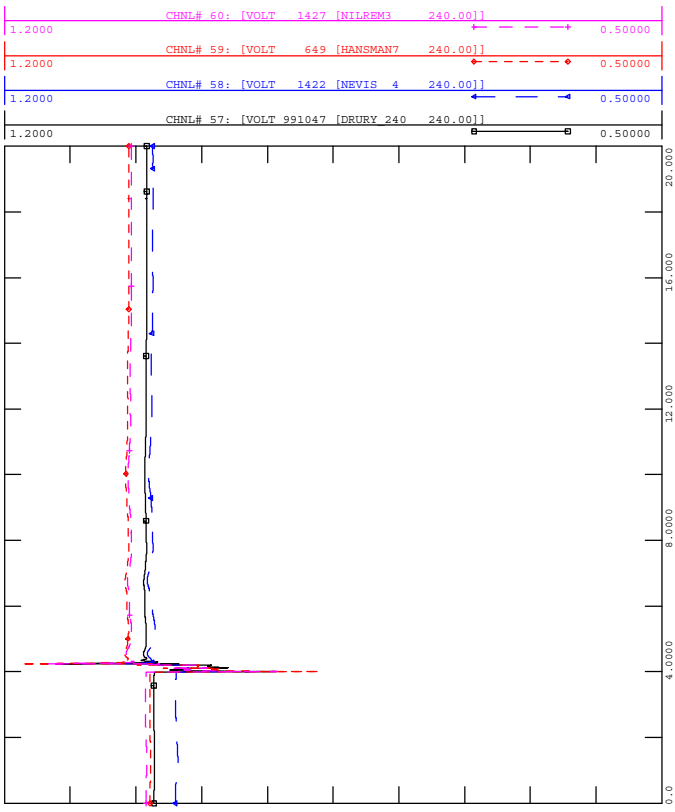


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:10

BUS VOLTAGE

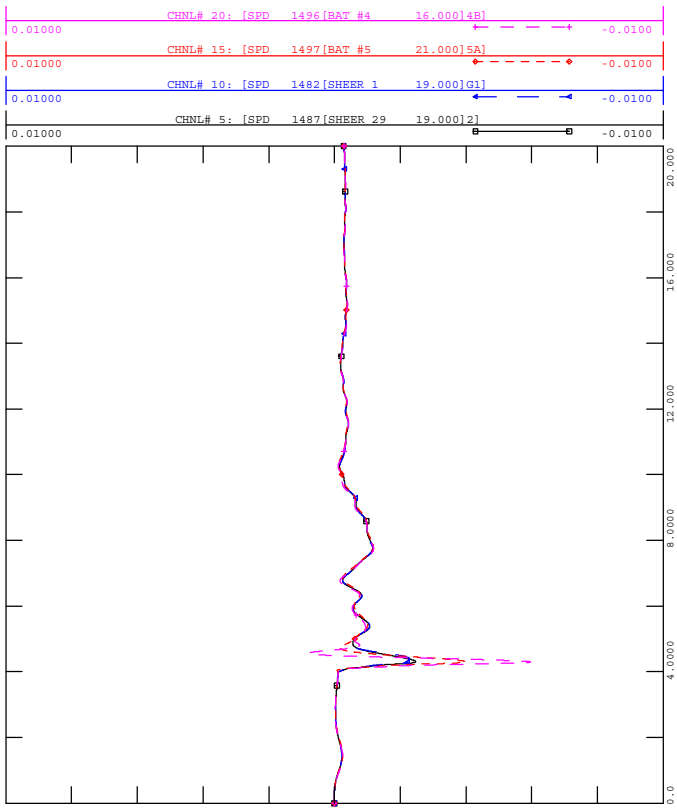


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:10

MACHINE SPEED

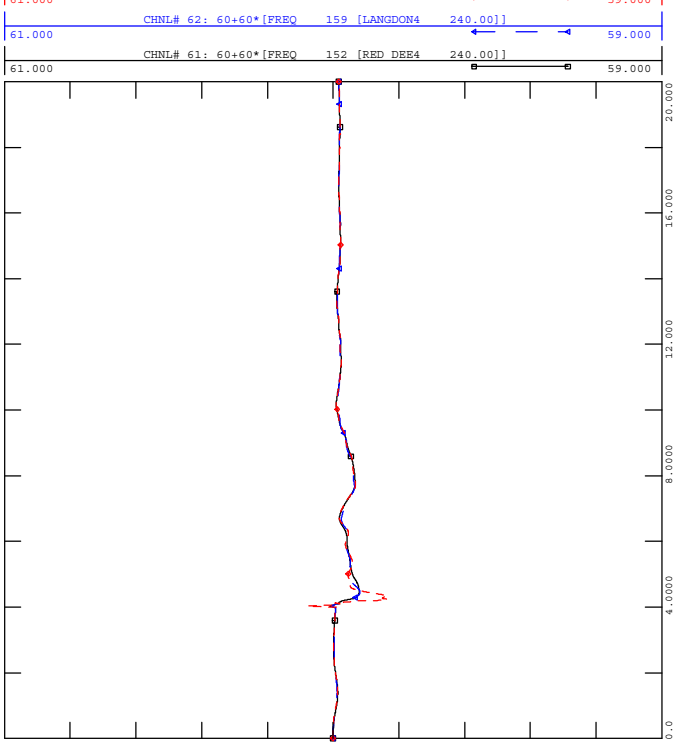


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:10

FREQUENCY

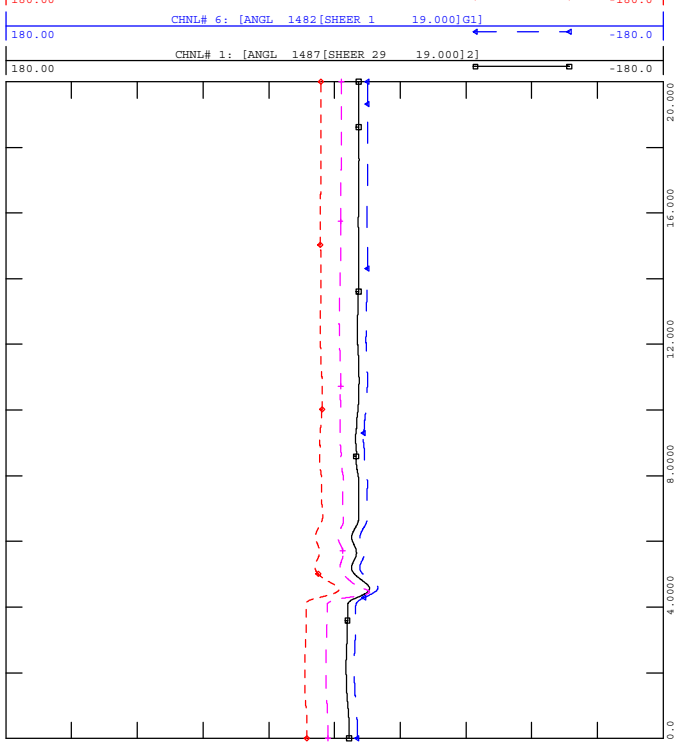


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:10

MACHINE ANGEL

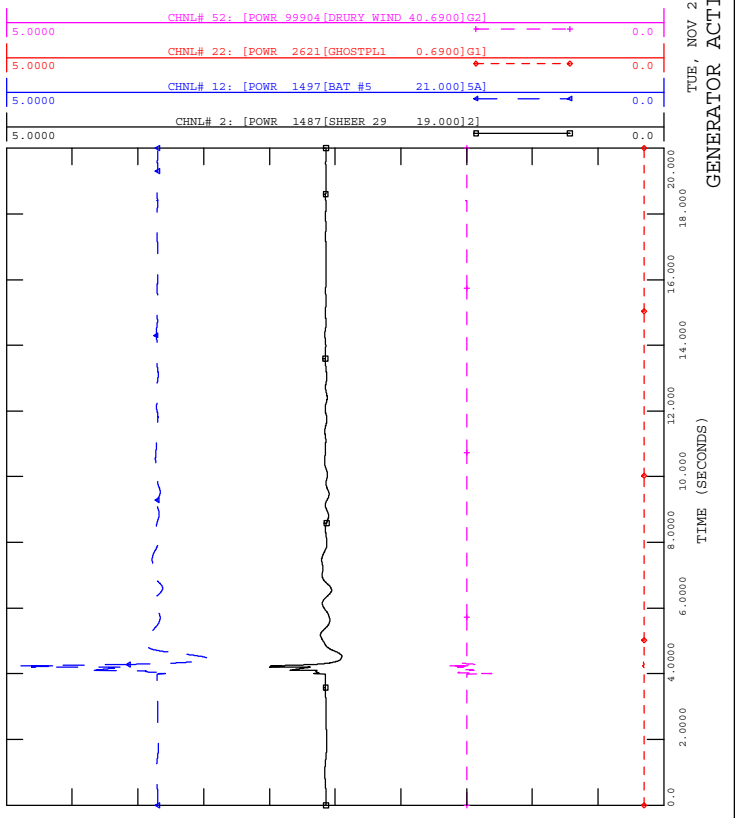


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

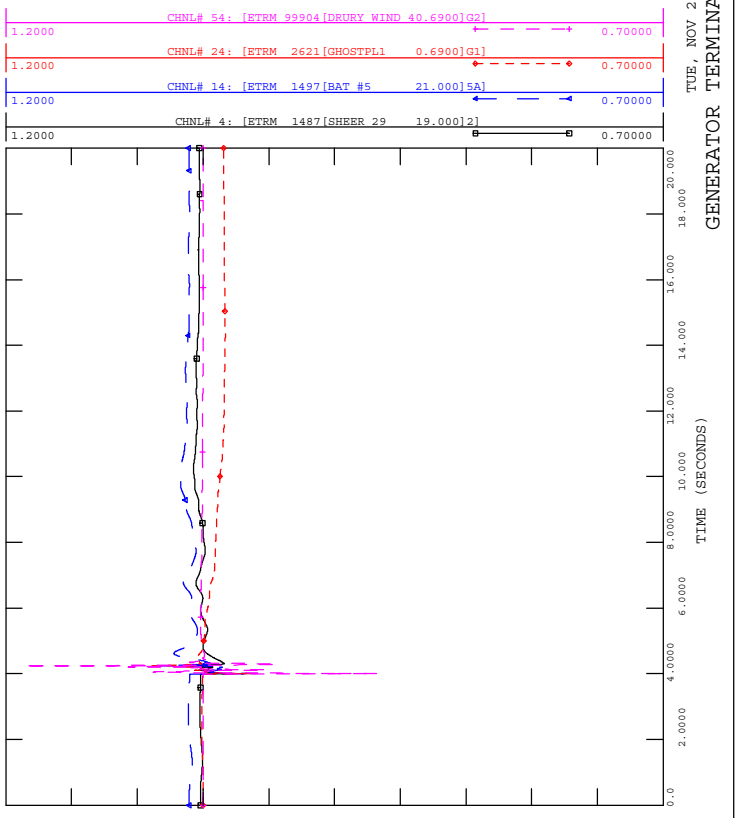


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

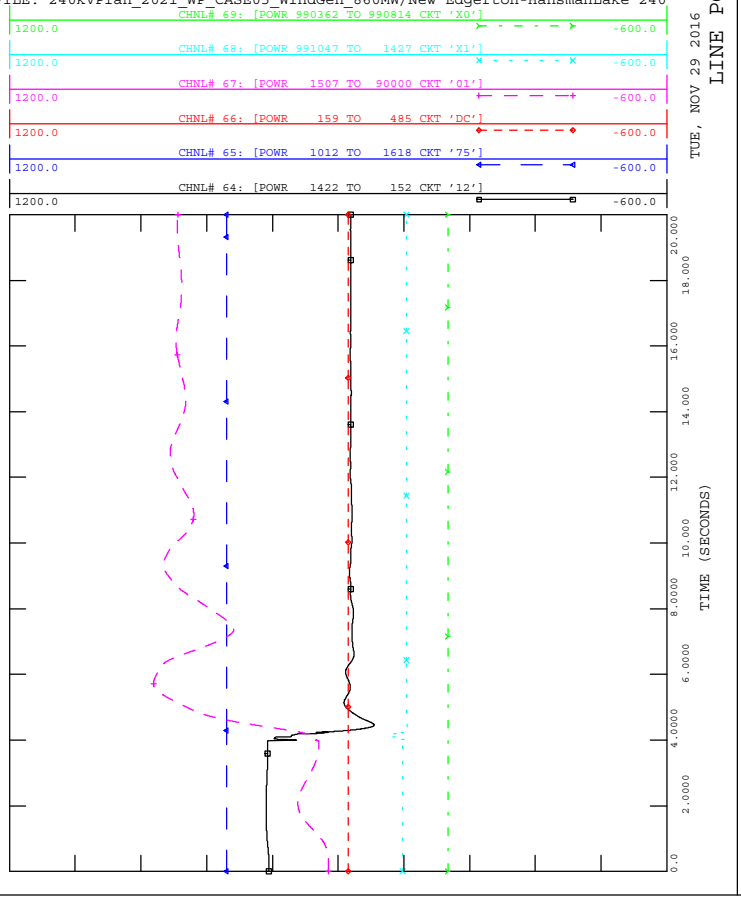


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:10

LINE POWER

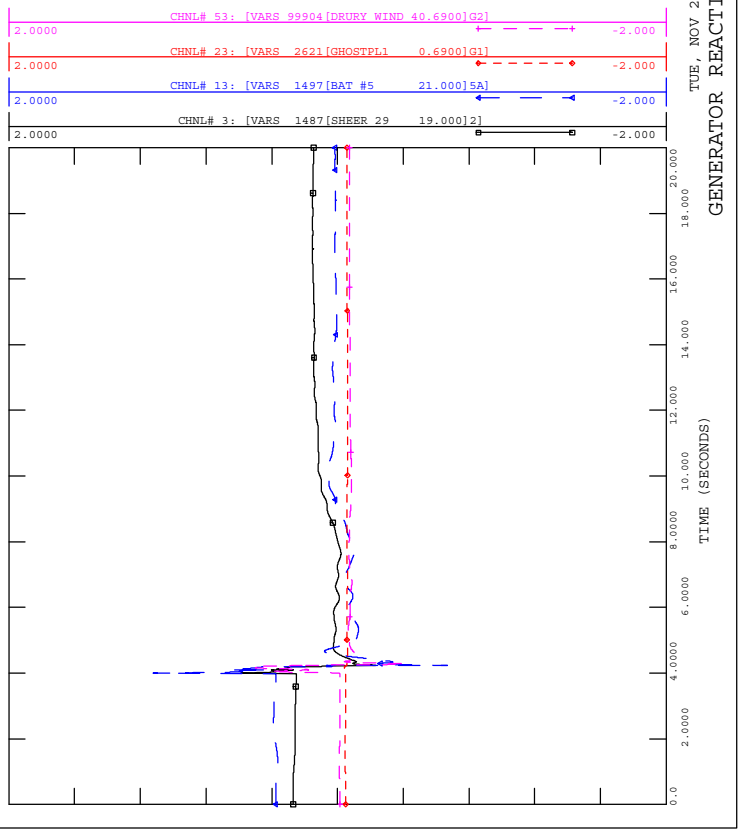


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -NEW EDGERTON-HANSMANLAKE 240_899S-EDGERTON

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New Edgerton-HansmanLake 240

TUE, NOV 29 2016 9:10

GENERATOR REACTIVE POWER

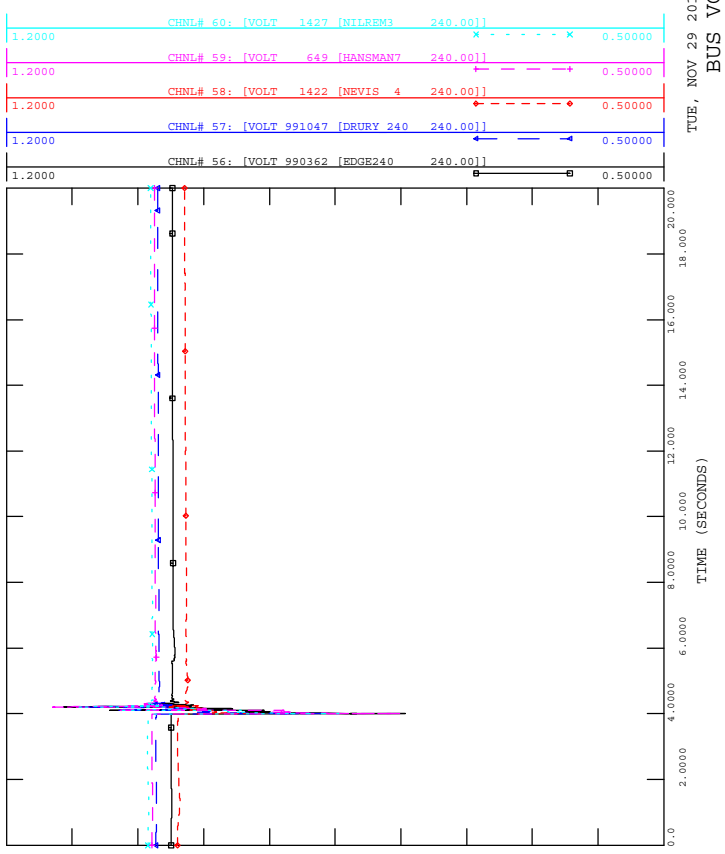


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L966_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

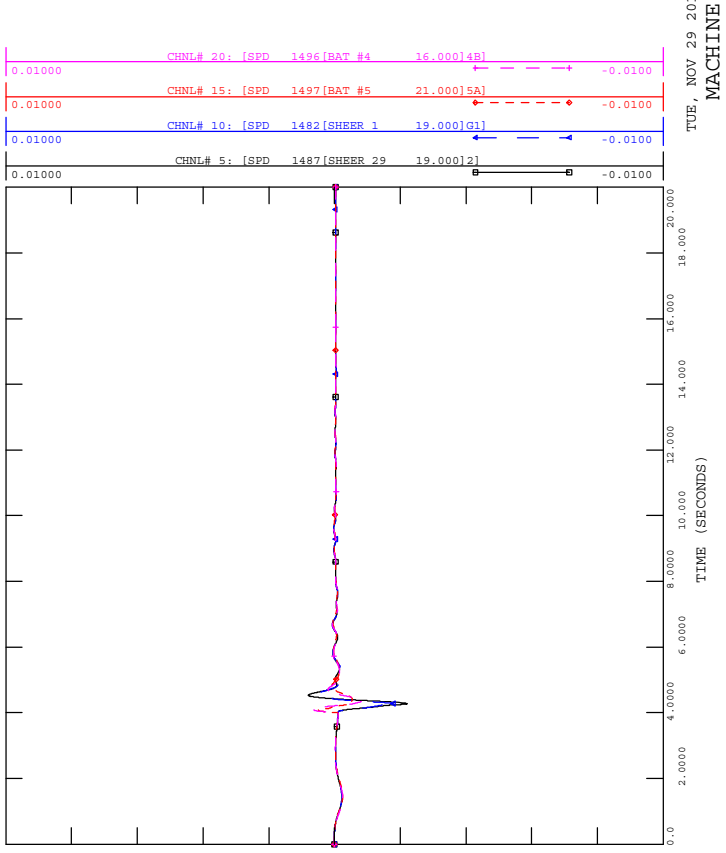


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L966_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

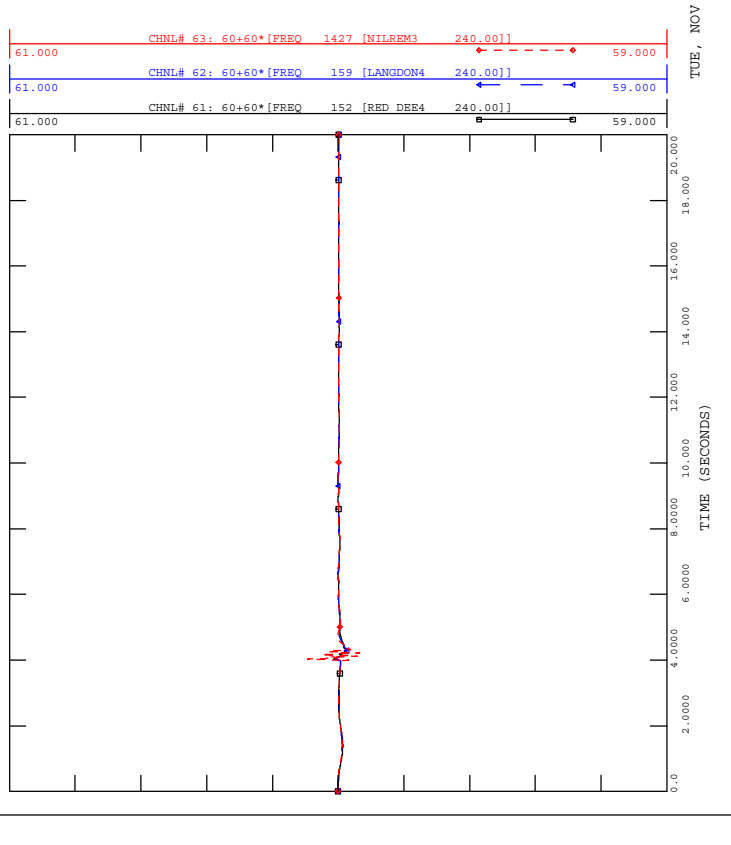


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L966_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:10

FREQUENCY

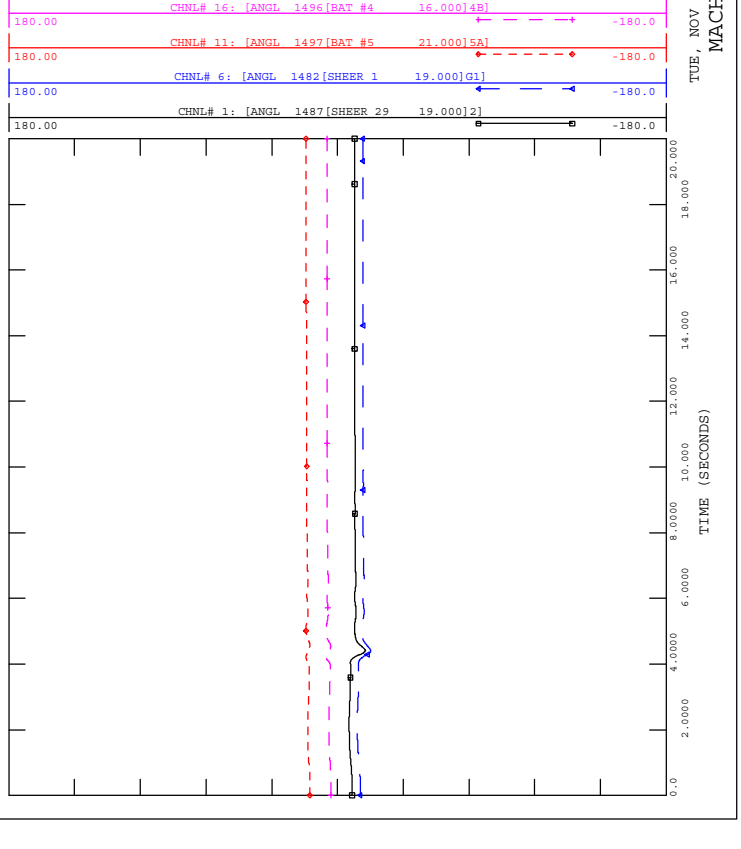


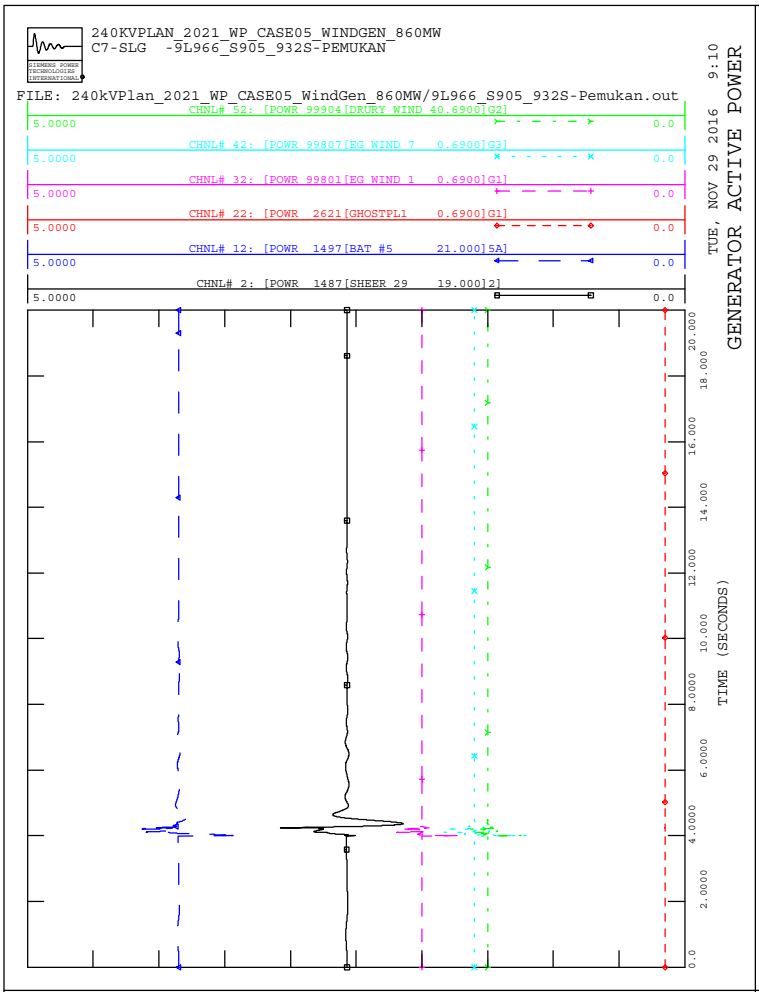
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN

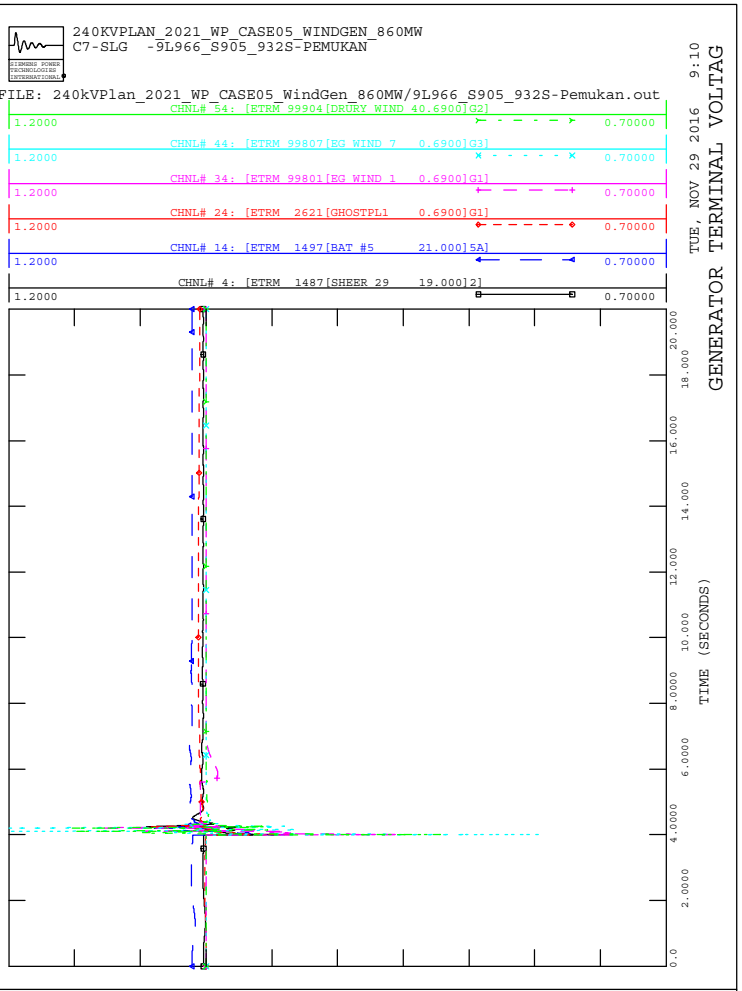
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L966_S905_932S-Pemukan.out

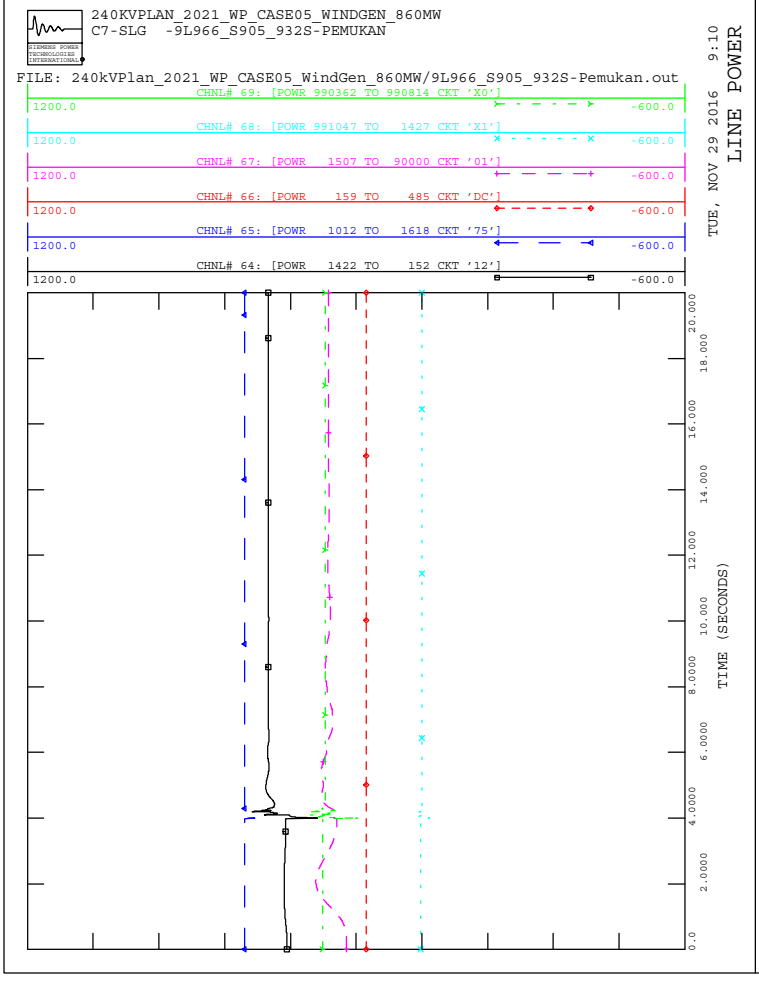
TUE, NOV 29 2016 9:10

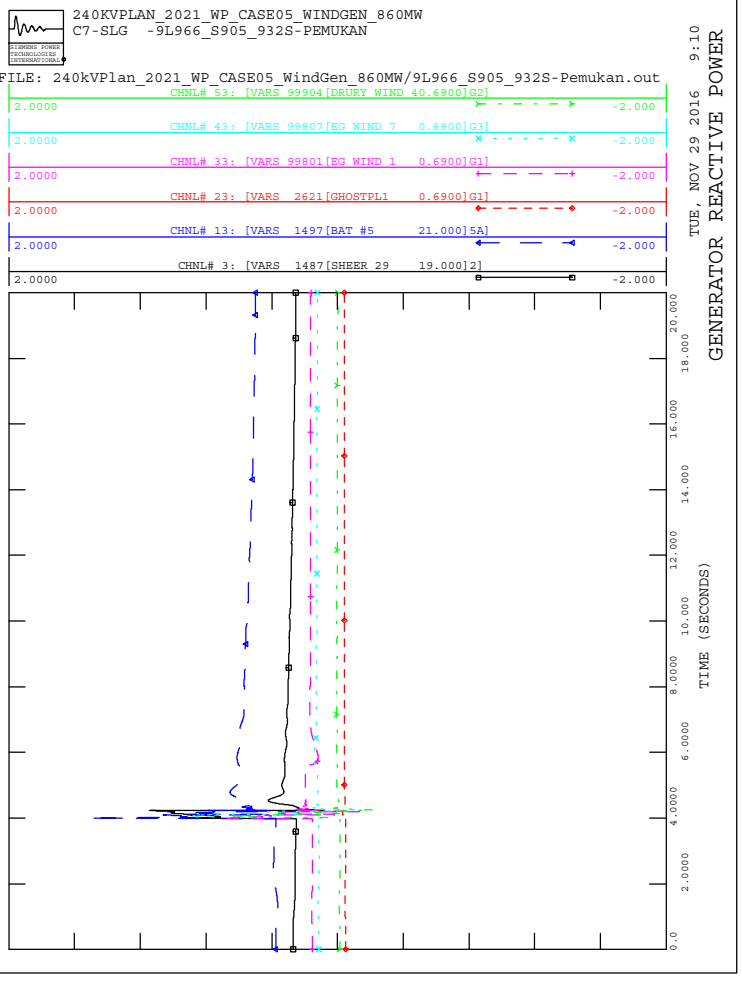
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L966_S905_932S-Pemukan.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L966_S905_932S-Pemukan.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L966_S905_932S-Pemukan.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, NOV 29 2016 9:10
LINE POWER

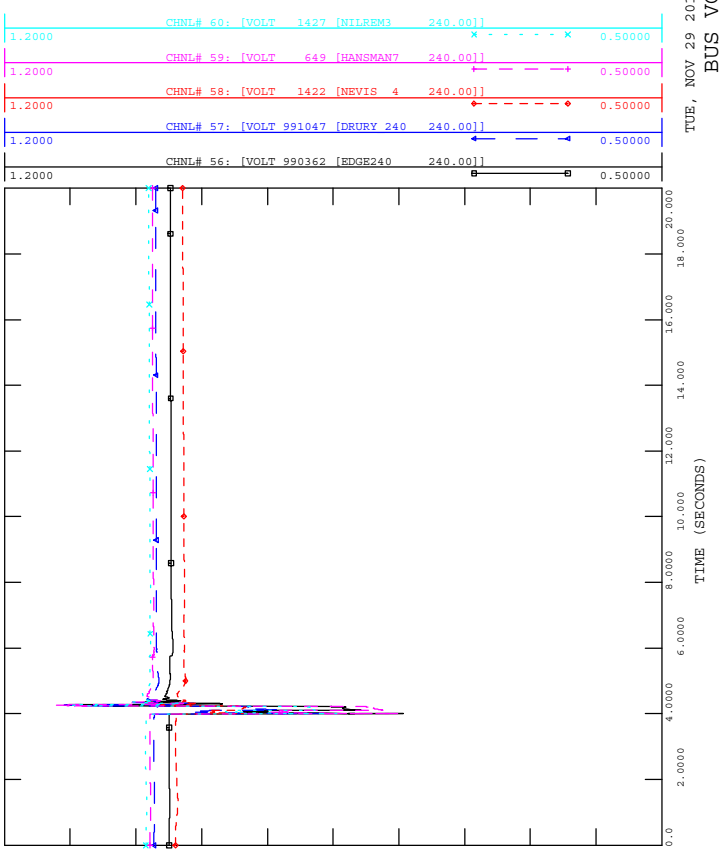

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L966_S905_932S-PEMUKAN
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L966_S905_932S-Pemukan.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

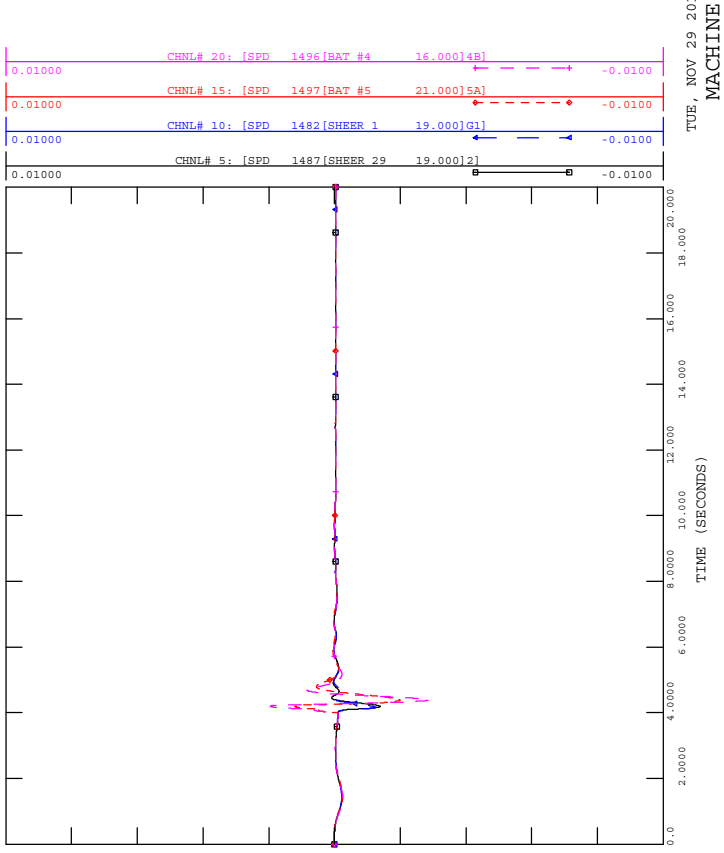


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

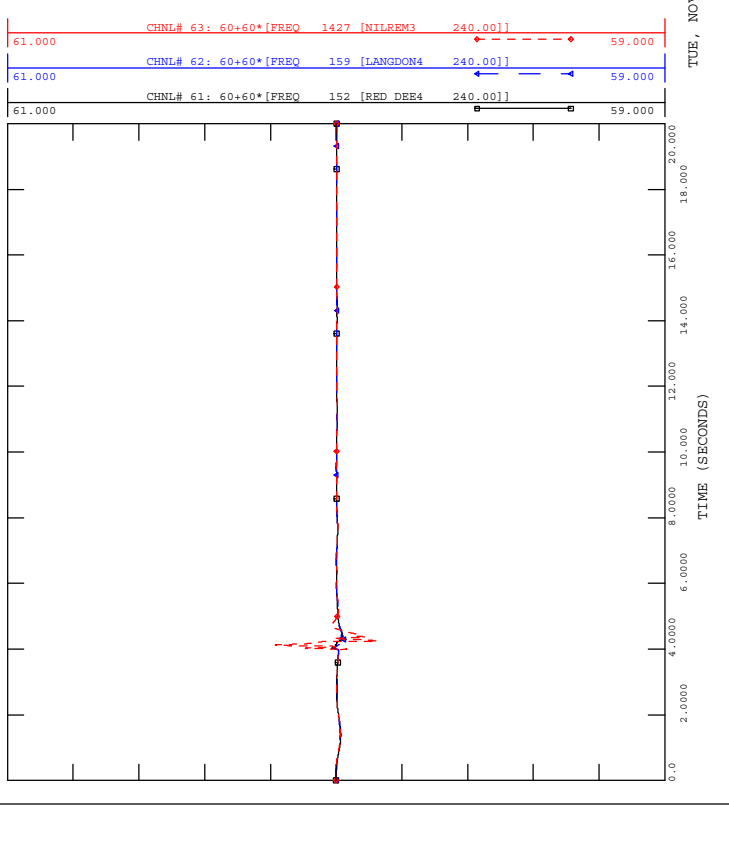


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_932S-Pemukan.out

TUE, NOV 29 2016 9:10

FREQUENCY

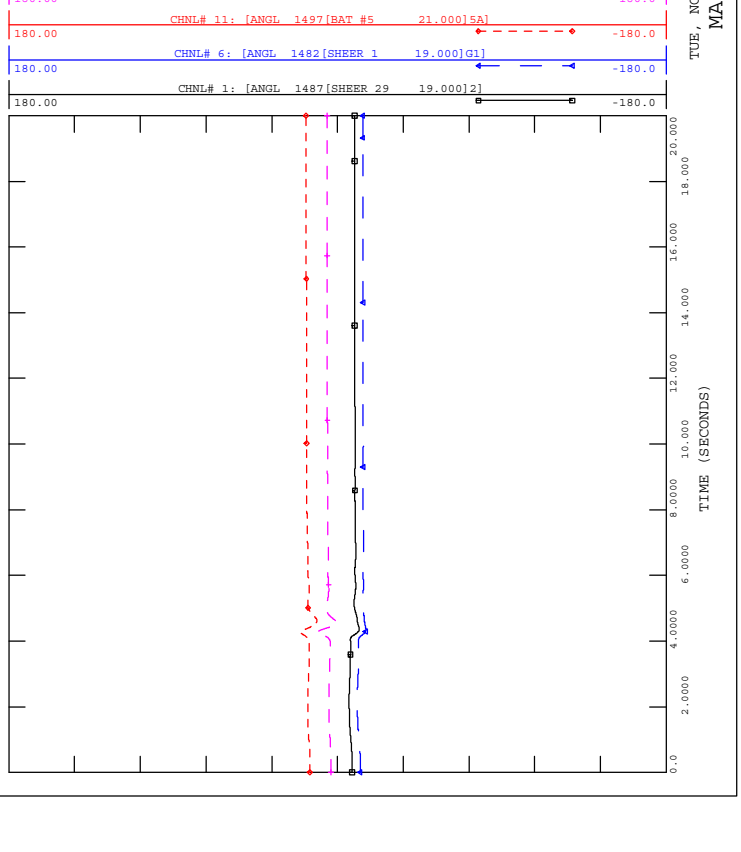


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_932S-Pemukan.out

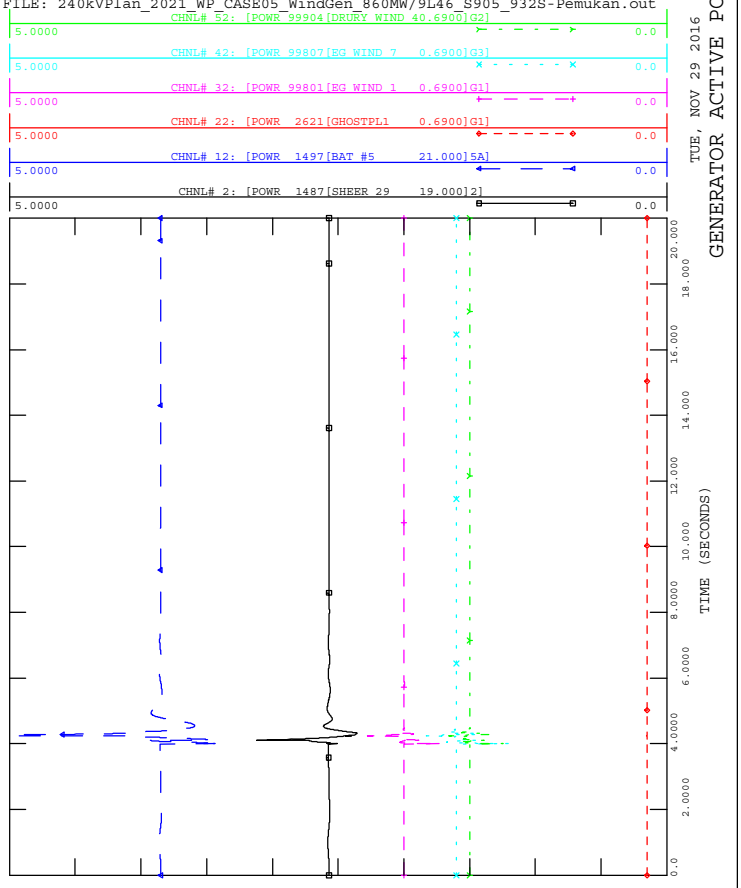
TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN

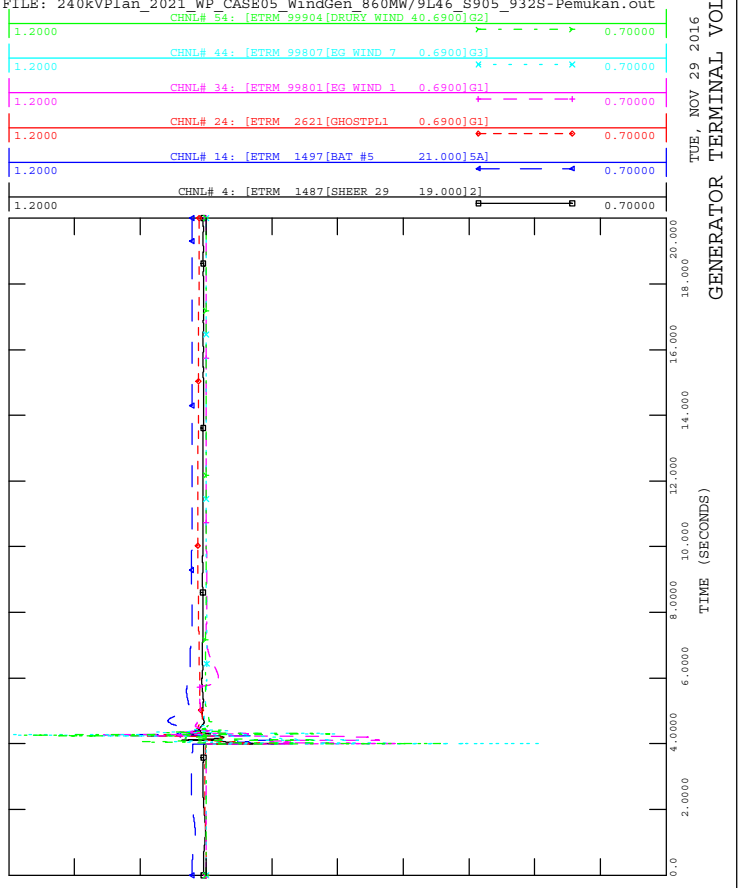
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_932S-Pemukan.out



TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN

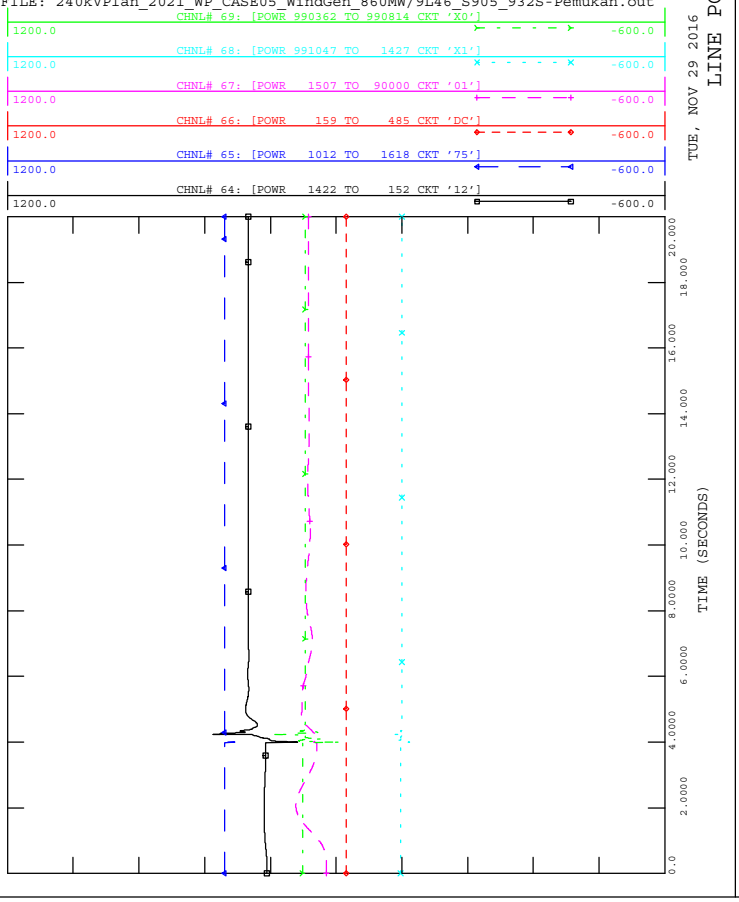
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_932S-Pemukan.out



TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN

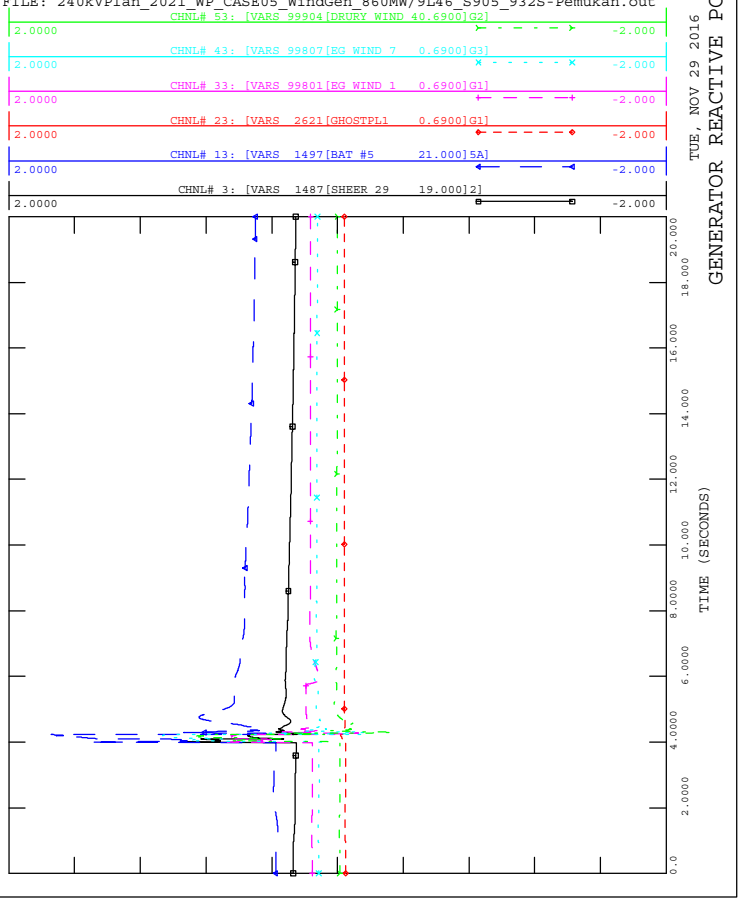
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_932S-Pemukan.out



TUE, NOV 29 2016 9:10
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_932S-PEMUKAN

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_932S-Pemukan.out



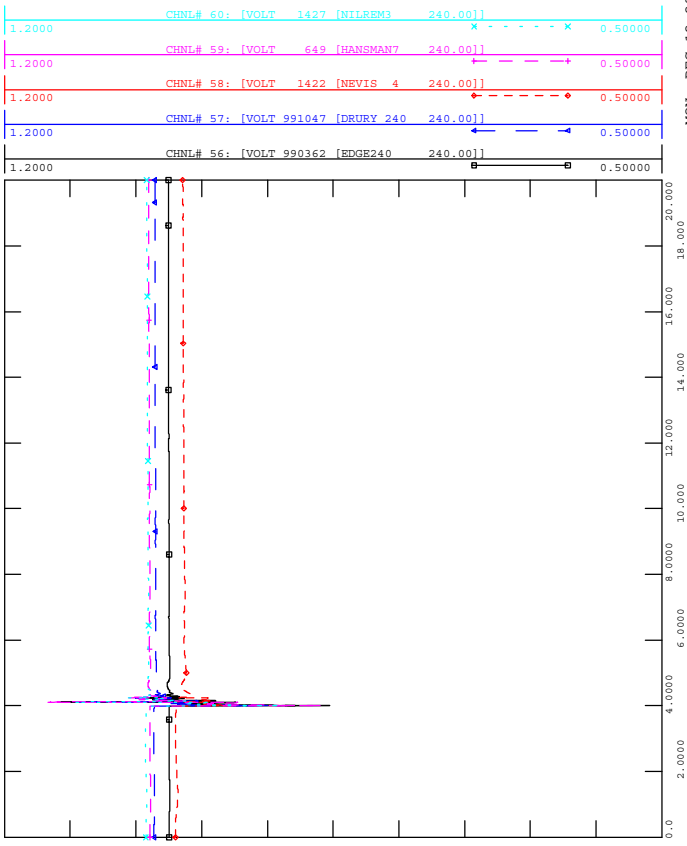
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

BUS VOLTAGE

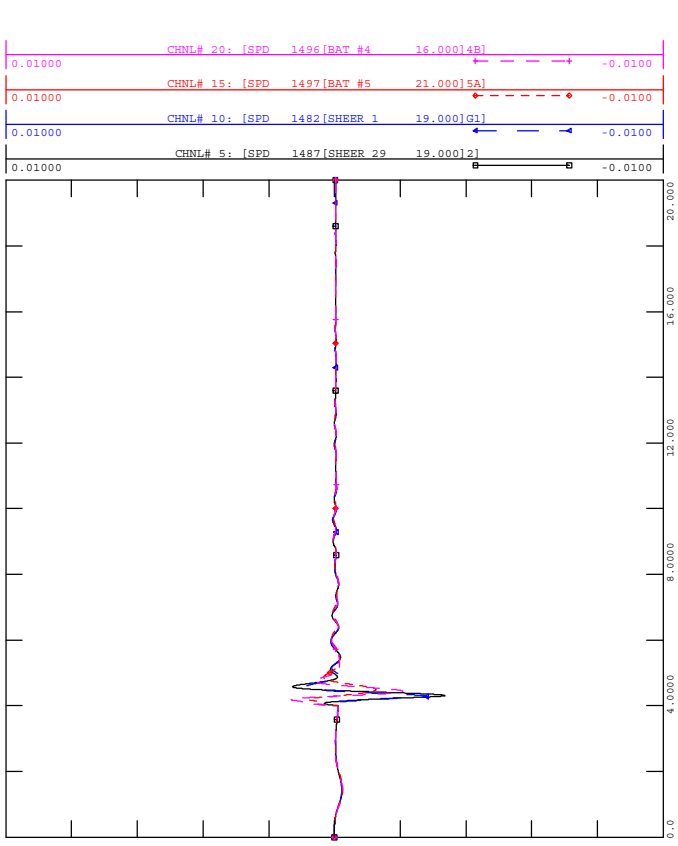


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

MACHINE SPEED

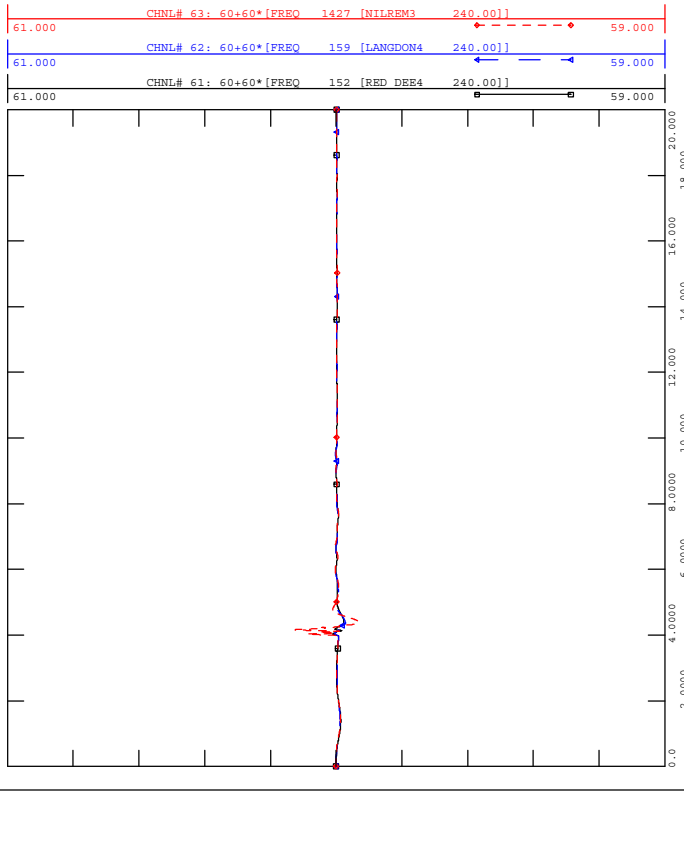


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

FREQUENCY

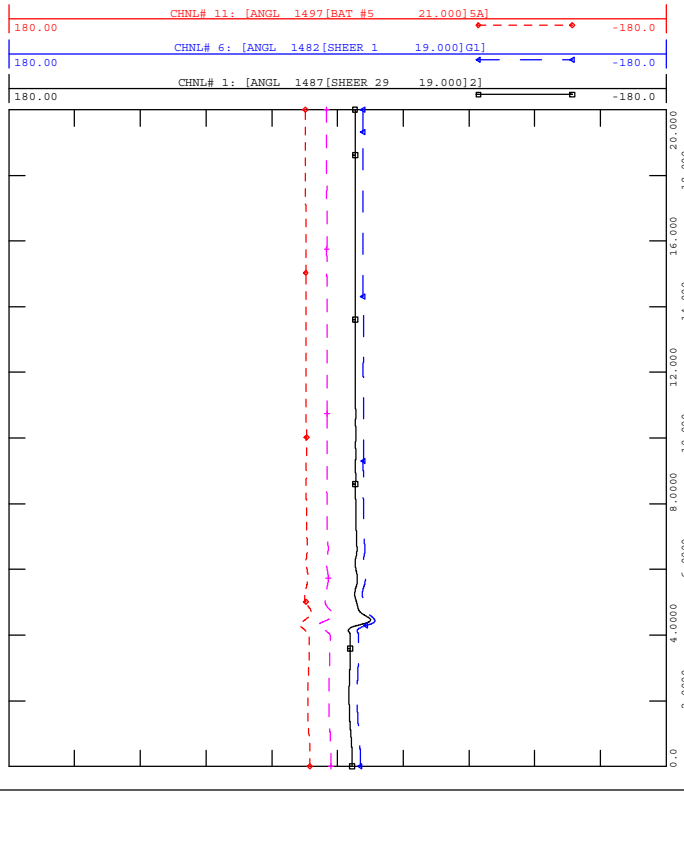


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

MACHINE ANGLE



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE

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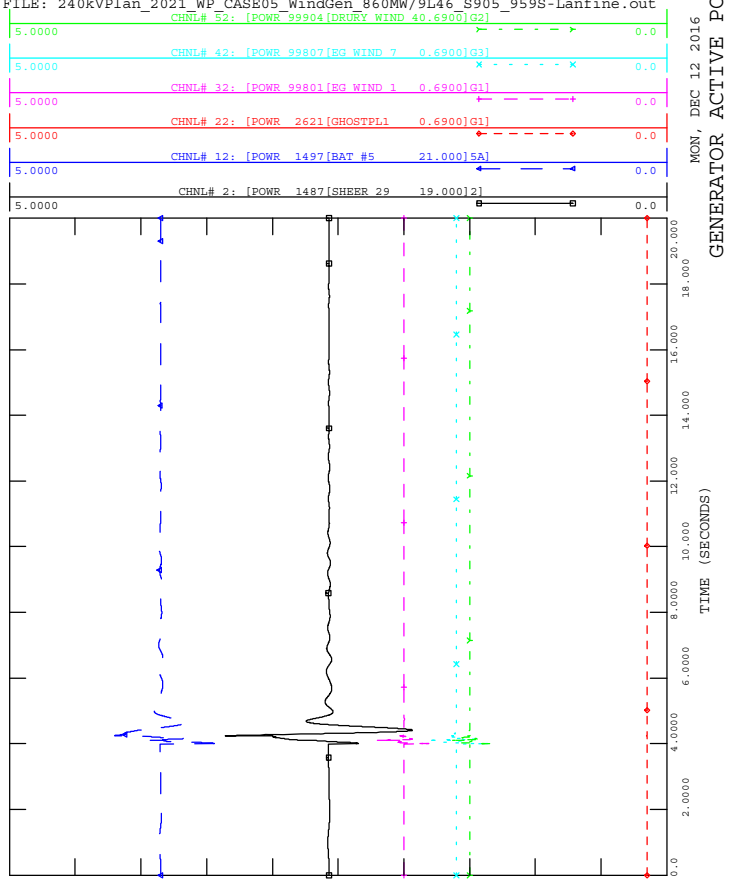
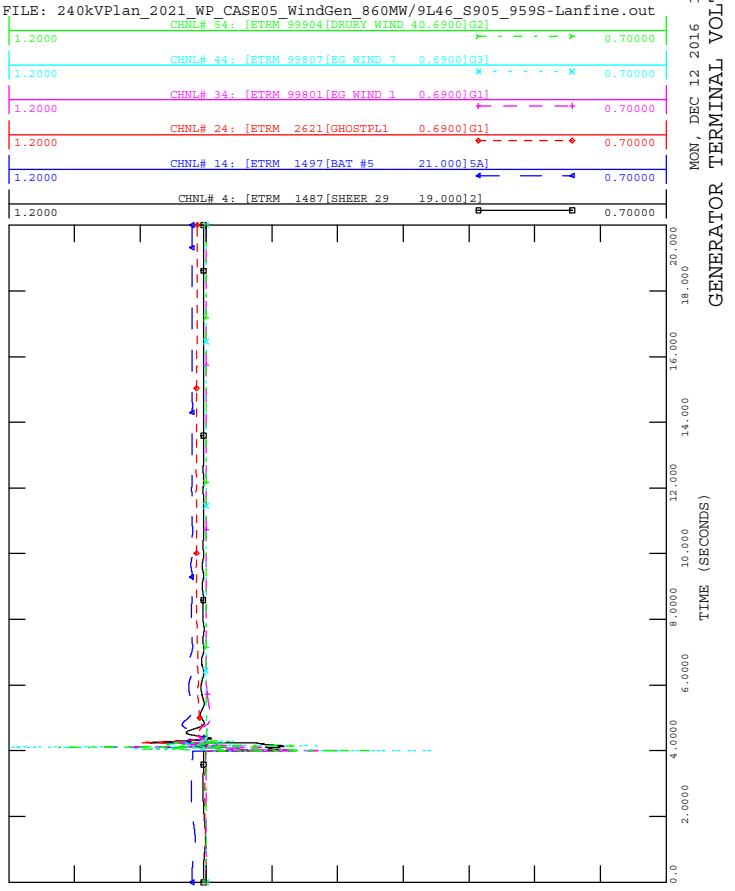


MON, DEC 12 2016 19:23
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE

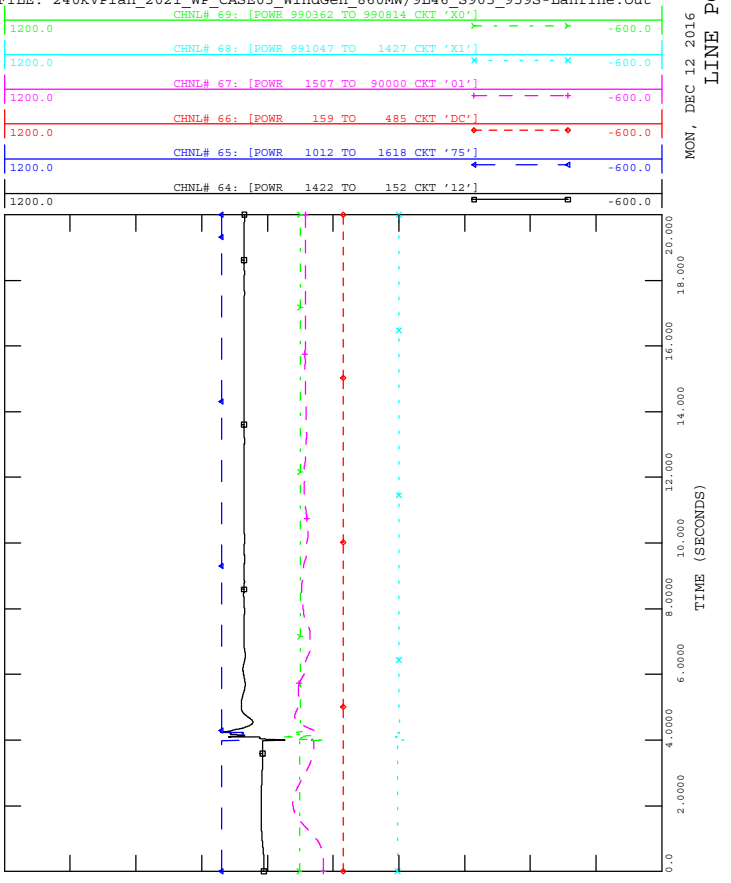
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_959S-Lanfine.out



MON, DEC 12 2016 19:23
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE

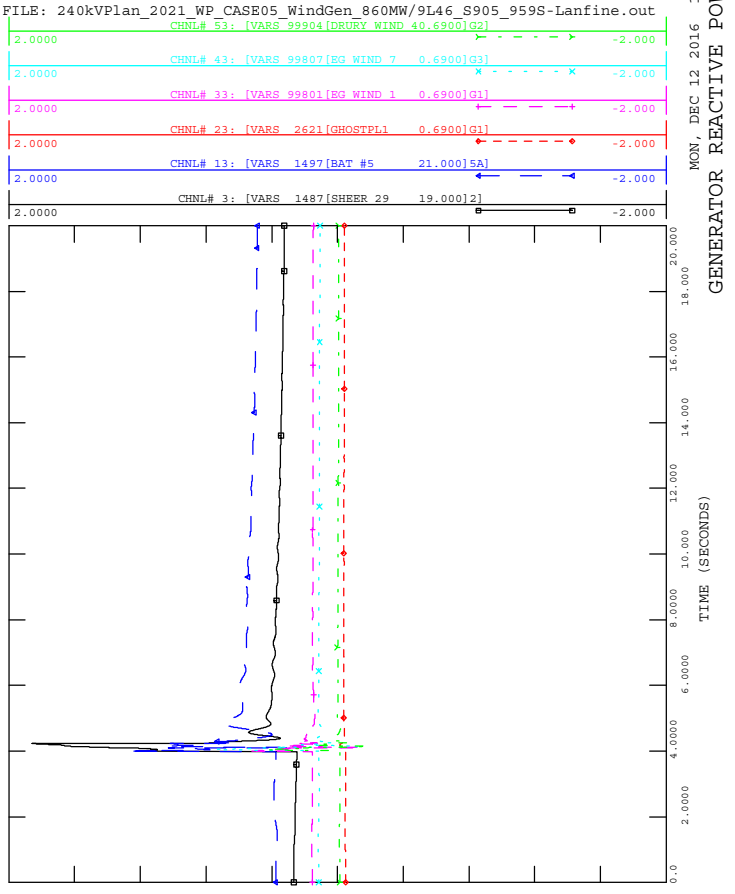
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_959S-Lanfine.out



MON, DEC 12 2016 19:23
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L46_S905_959S-LANFINE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L46_S905_959S-Lanfine.out



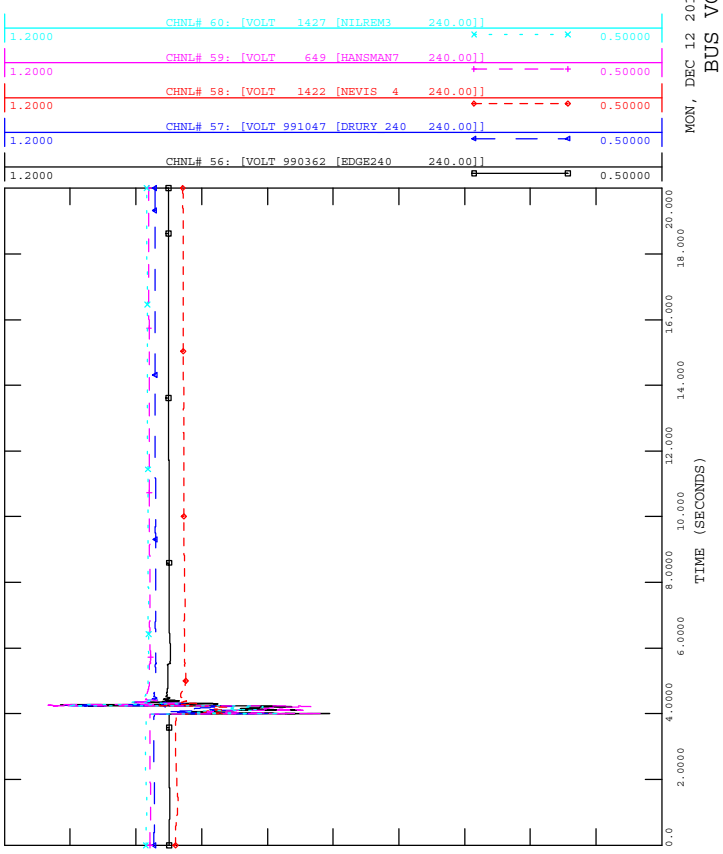
MON, DEC 12 2016 19:23
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

BUS VOLTAGE

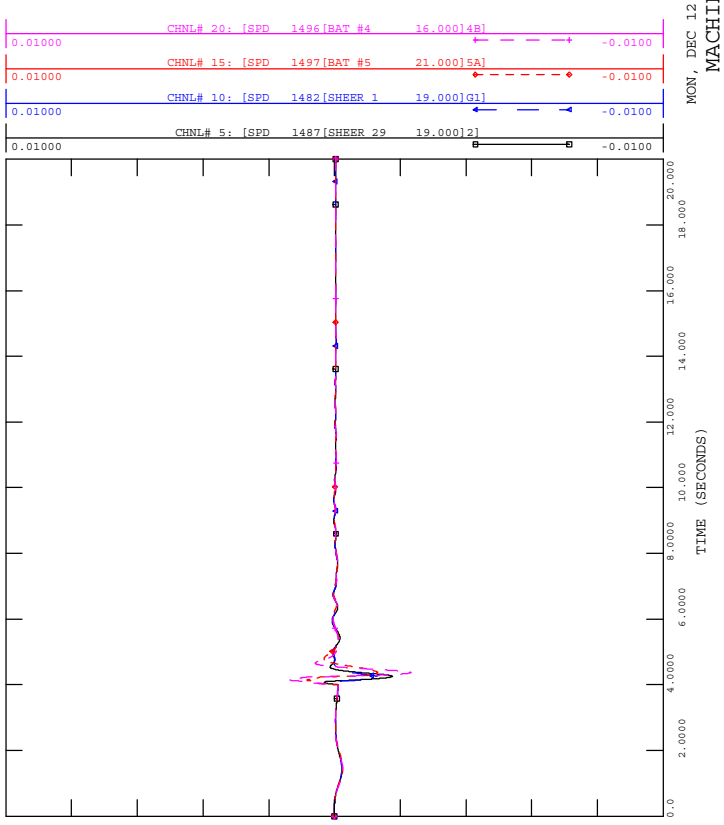


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

MACHINE SPEED

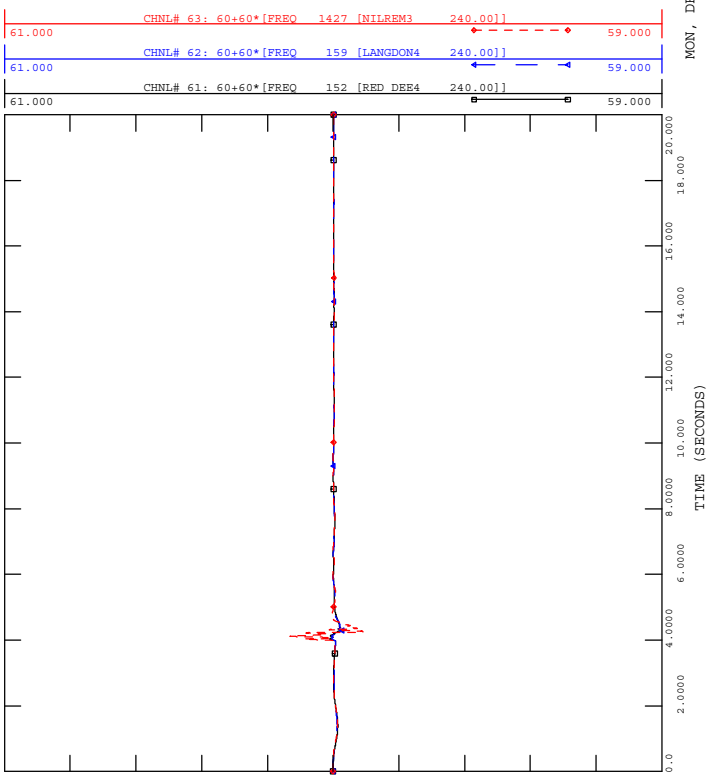


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_S905_959S-Lanfine.out

MON, DEC 12 2016 19:23

FREQUENCY

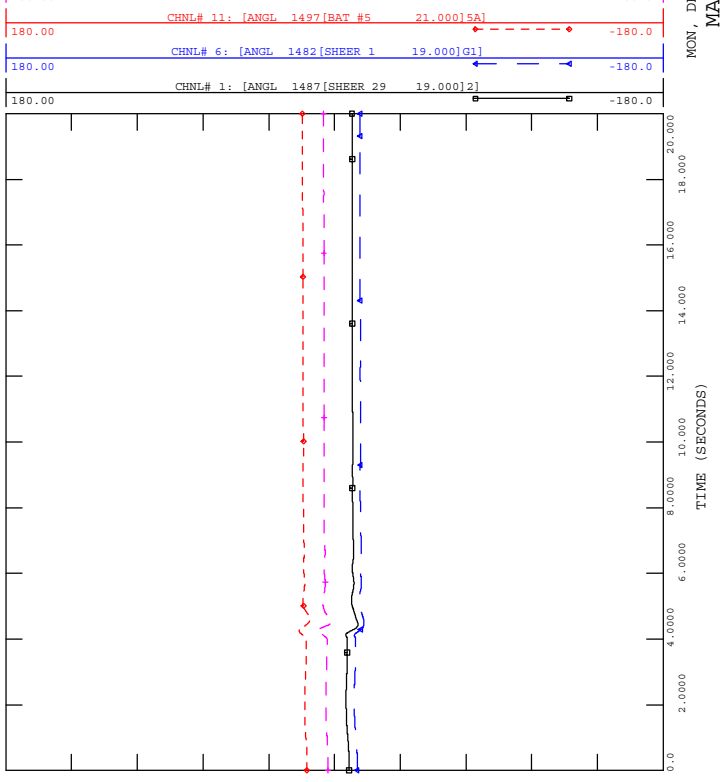


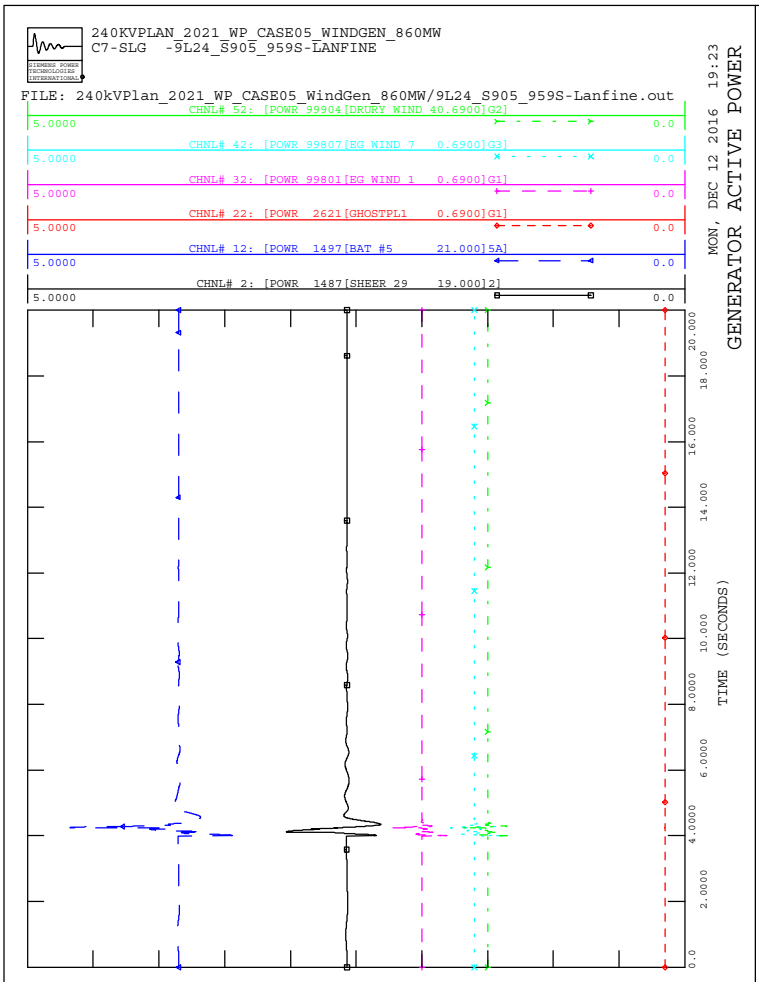
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE

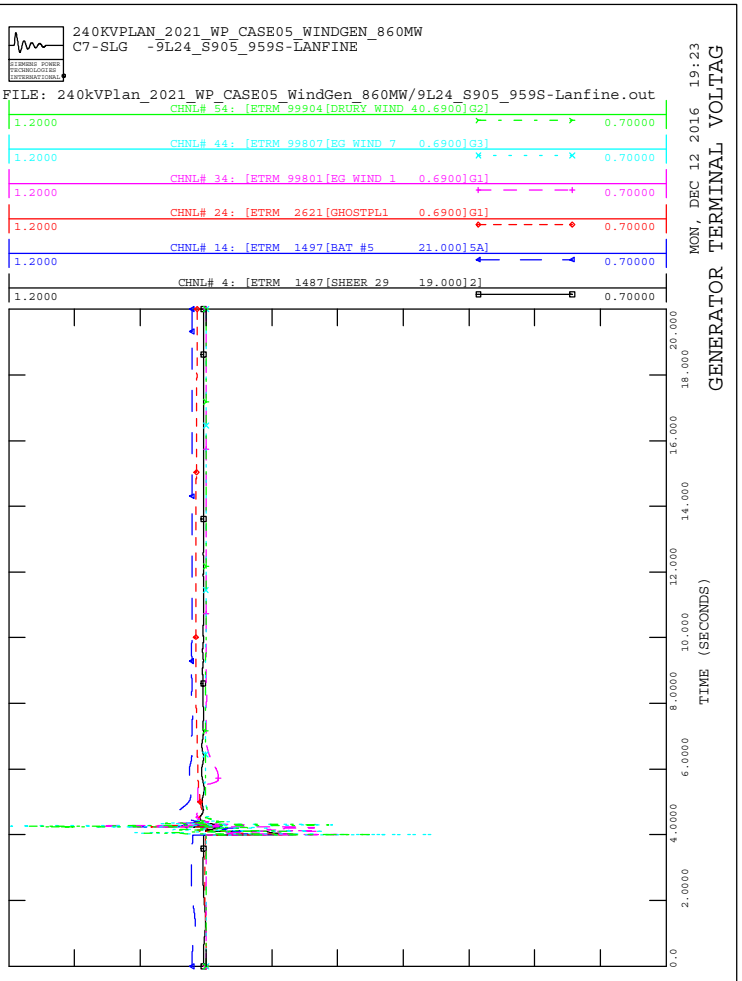
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_S905_959S-Lanfine.out

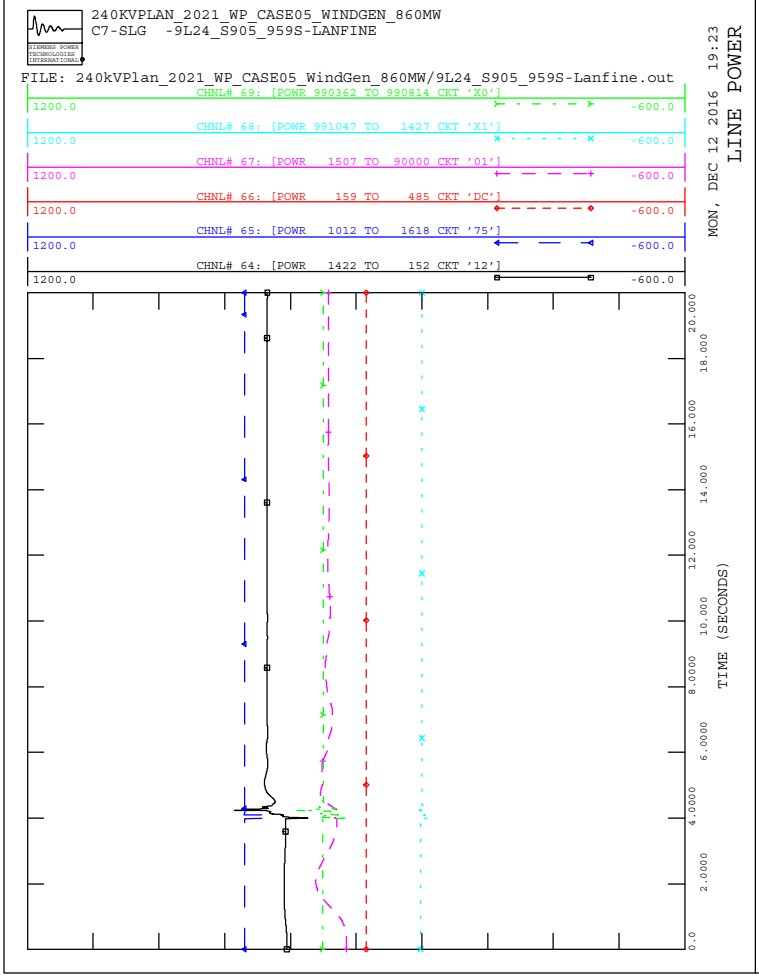
MON, DEC 12 2016 19:23

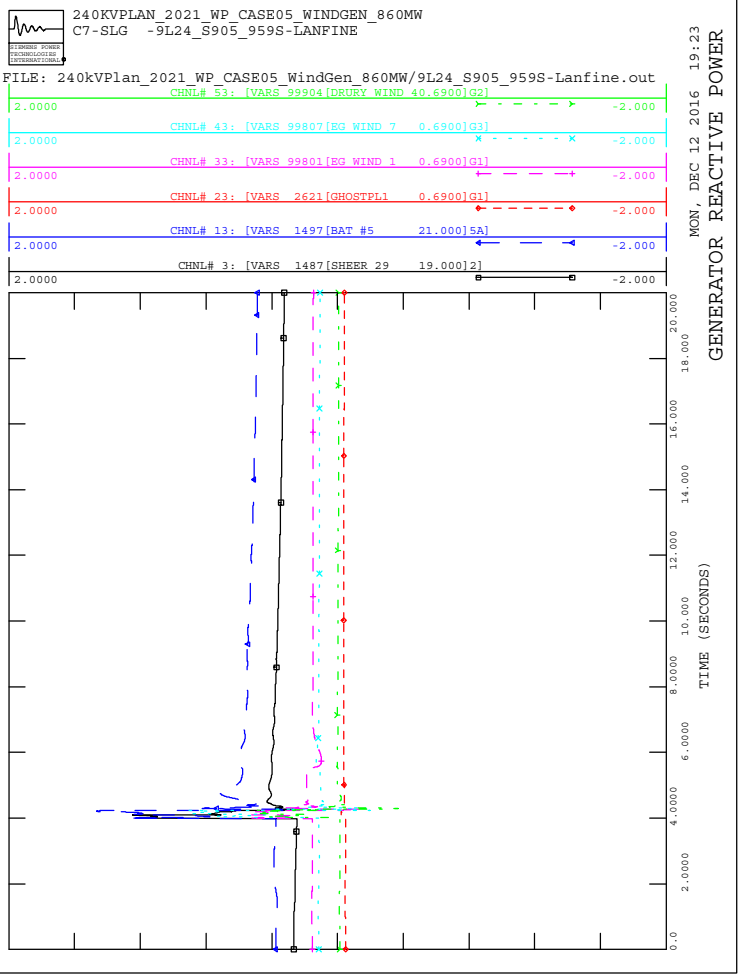
MACHINE ANGLE




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_S905_959S-Lanfine.out
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
MON, DEC 12 2016 19:23
GENERATOR ACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_S905_959S-Lanfine.out
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
MON, DEC 12 2016 19:23
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_S905_959S-Lanfine.out
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
MON, DEC 12 2016 19:23
LINE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

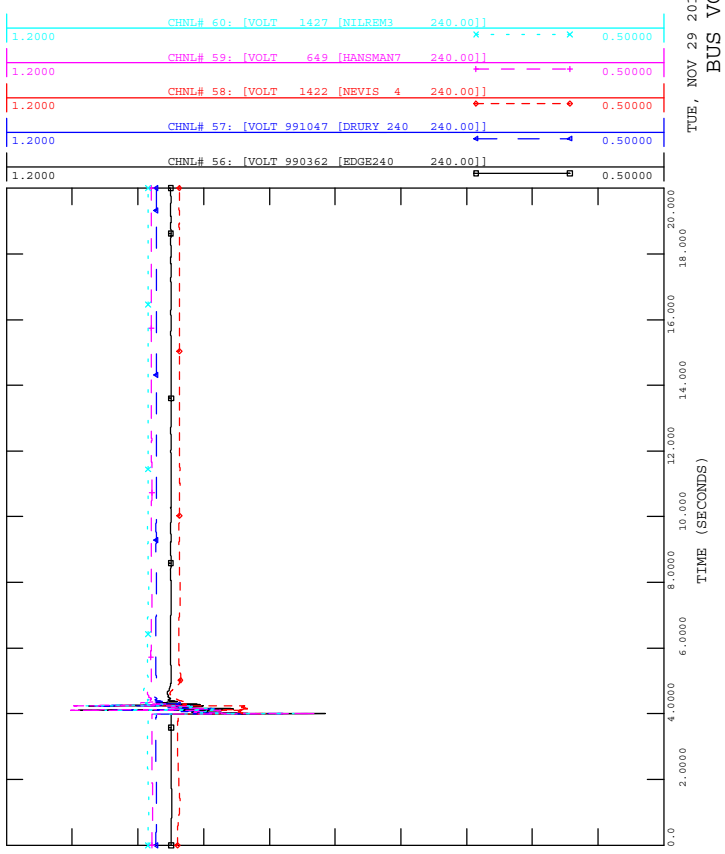

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_S905_959S-LANFINE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_S905_959S-Lanfine.out
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
MON, DEC 12 2016 19:23
GENERATOR REACTIVE POWER
TIME (SECONDS)
0.0
2.0000
4.0000
6.0000
8.0000
10.000
12.000
14.000
16.000
18.000
20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_946S_946S-Oakland.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

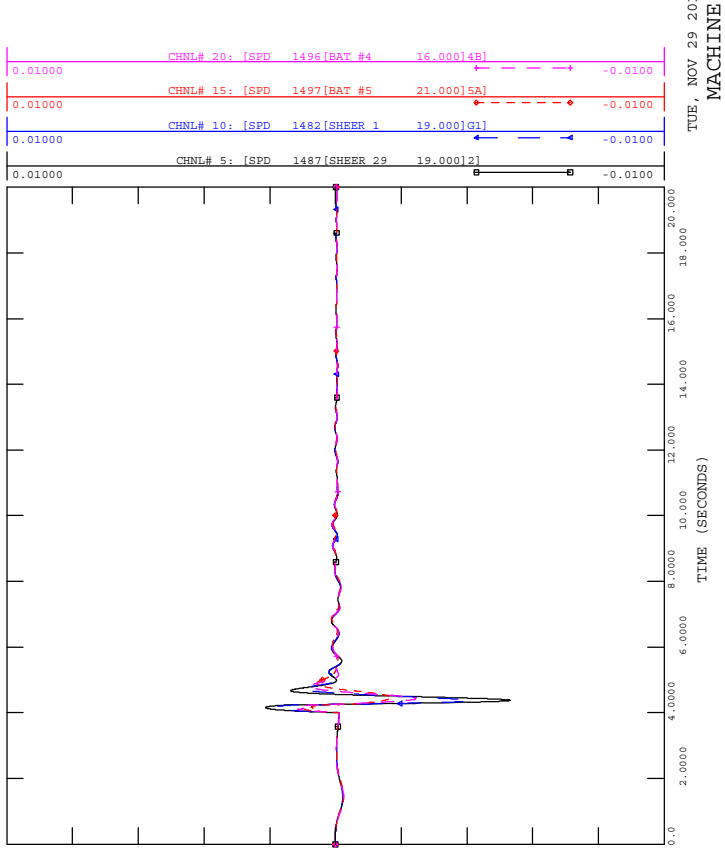


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_946S_946S-Oakland.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

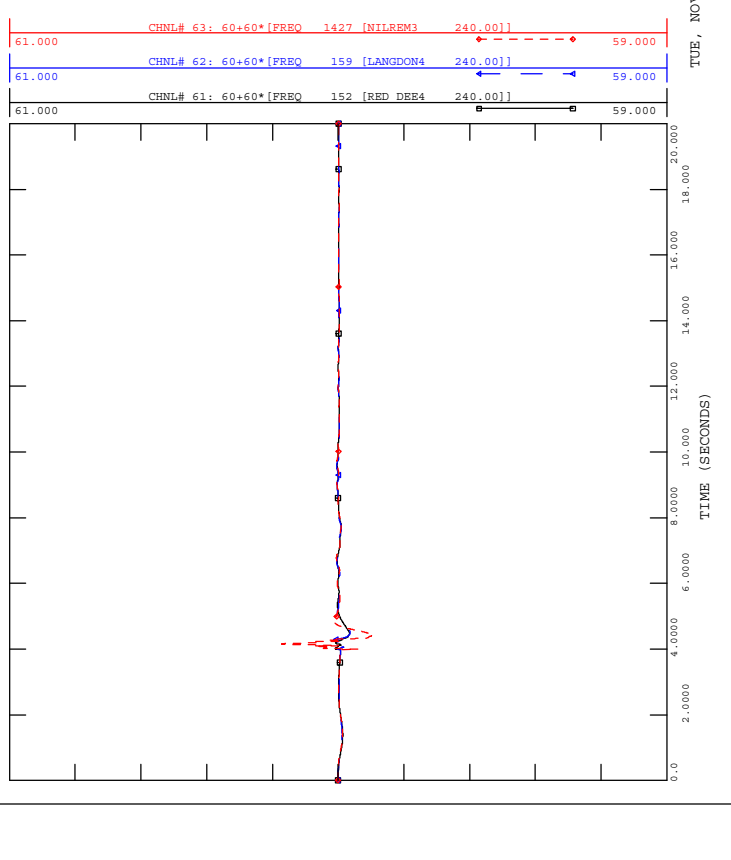


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_946S_946S-Oakland.out

TUE, NOV 29 2016 9:10

FREQUENCY

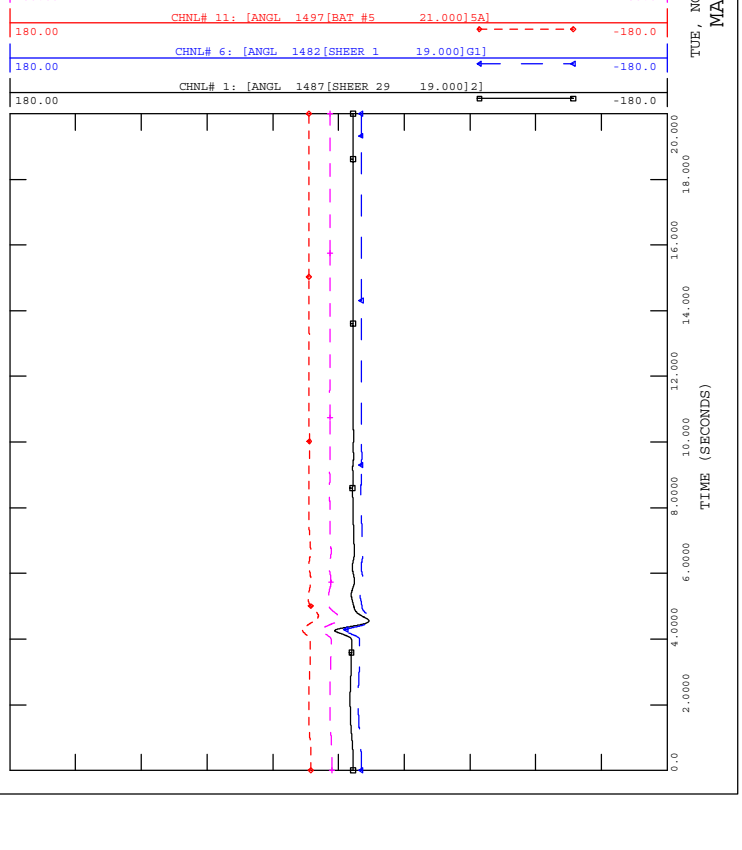


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_946S_946S-Oakland.out

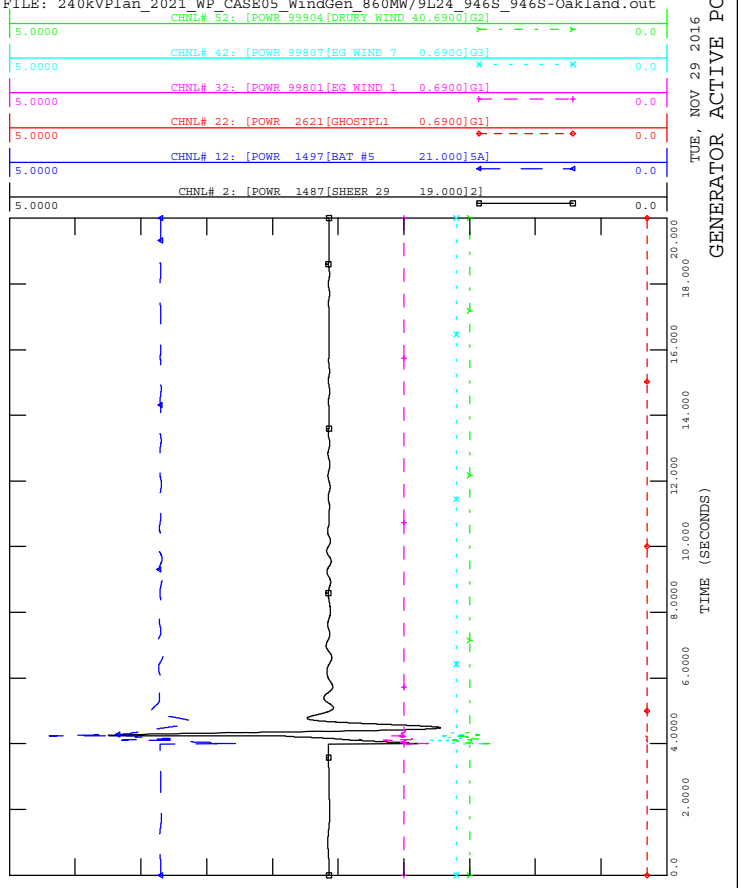
TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_946S_946S-Oakland.out

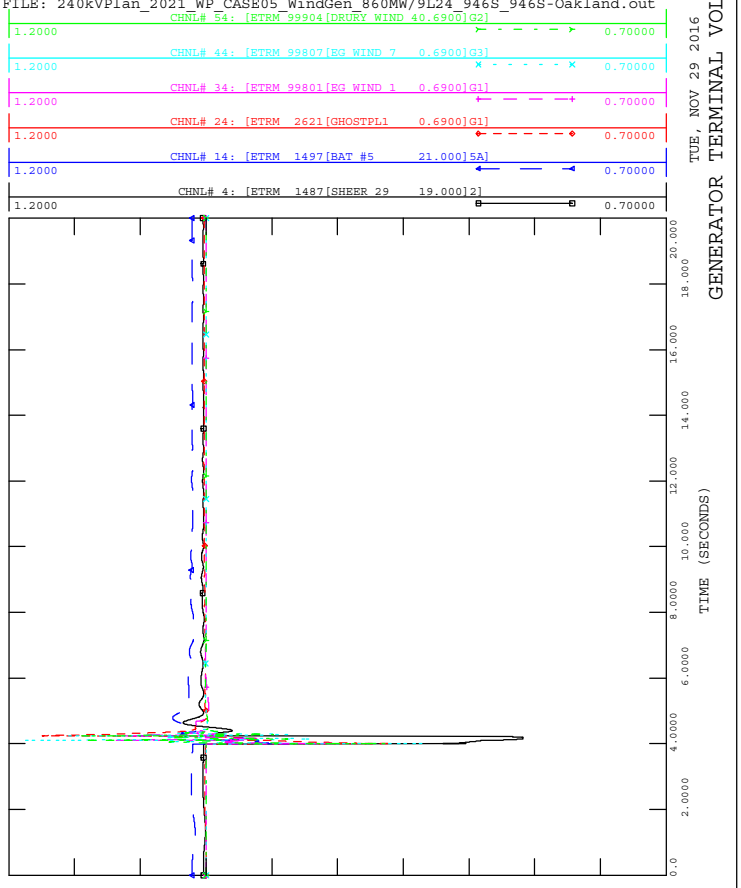


TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_946S_946S-Oakland.out

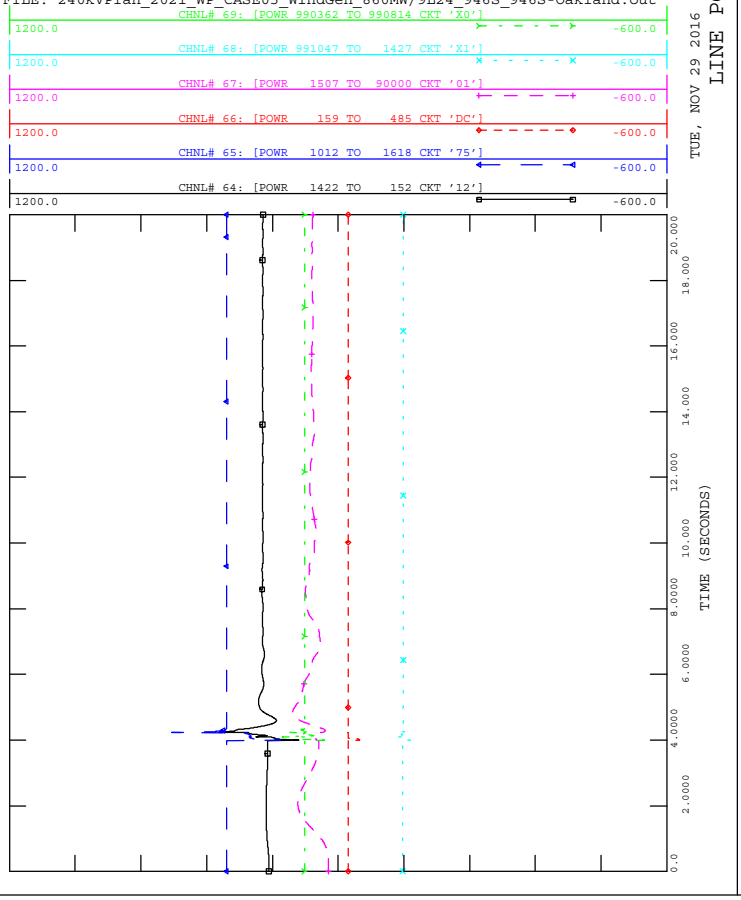


TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_946S_946S-Oakland.out

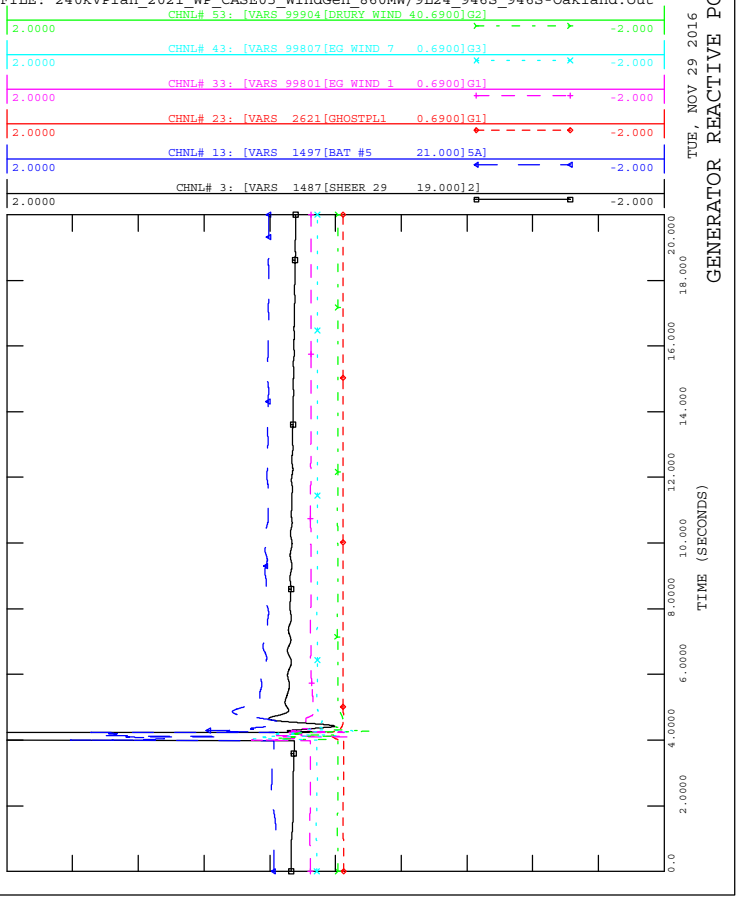


TUE, NOV 29 2016 9:10

LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L24_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L24_946S_946S-Oakland.out



TUE, NOV 29 2016 9:10

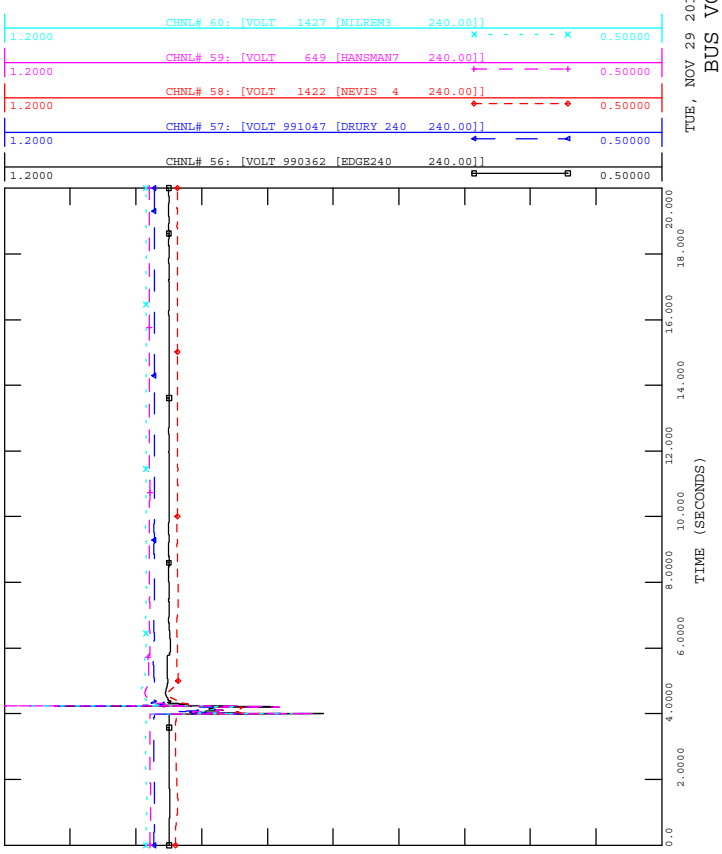
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_946S_946S-Oakland.out

TUE, NOV 29 2016 9:10

BUS VOLTAGE

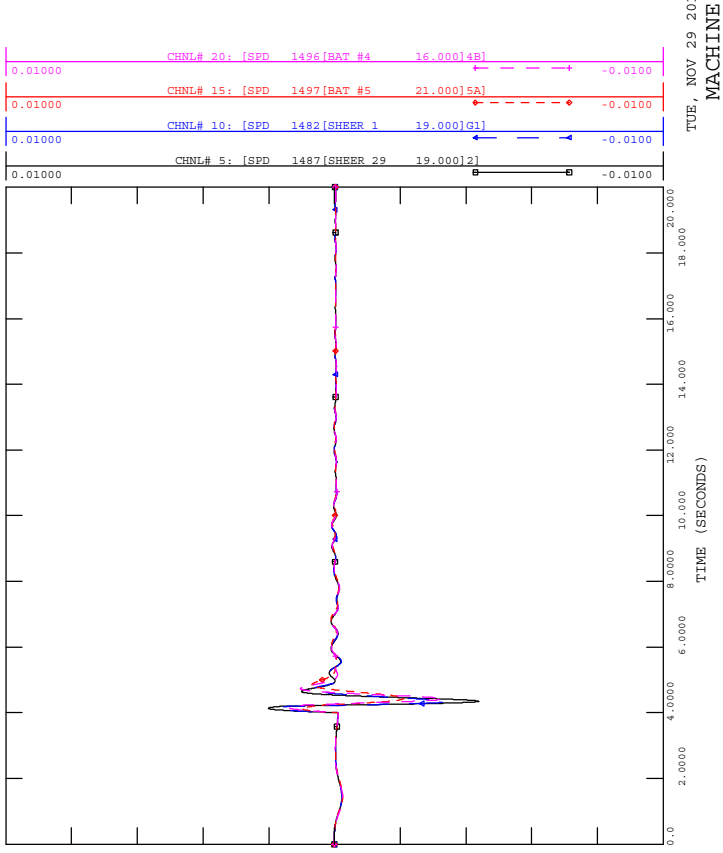


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_946S_946S-Oakland.out

TUE, NOV 29 2016 9:10

MACHINE SPEED

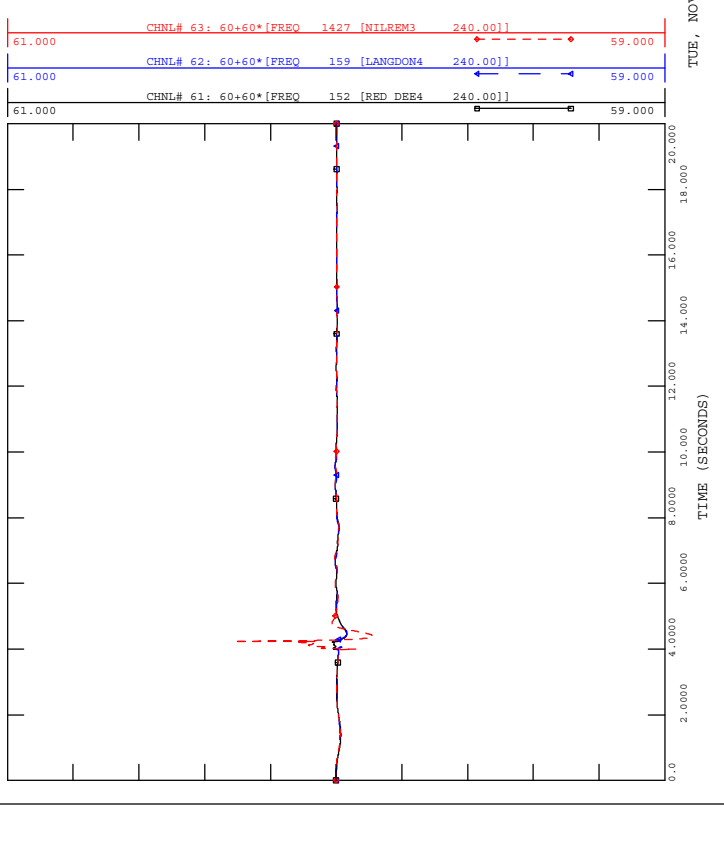


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_946S_946S-Oakland.out

TUE, NOV 29 2016 9:10

FREQUENCY

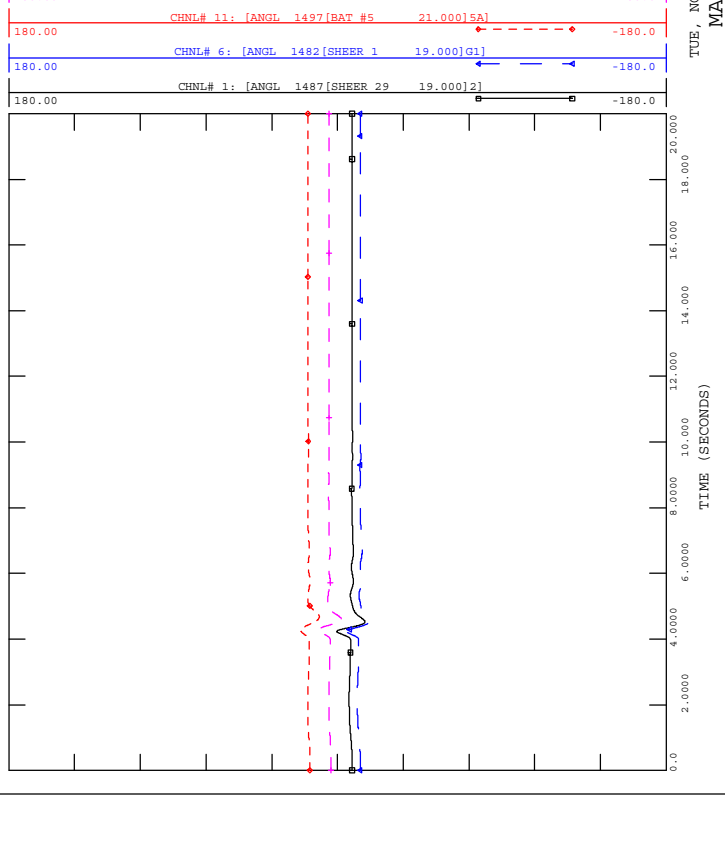


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_946S_946S-Oakland.out

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_946S_946S-Oakland.out

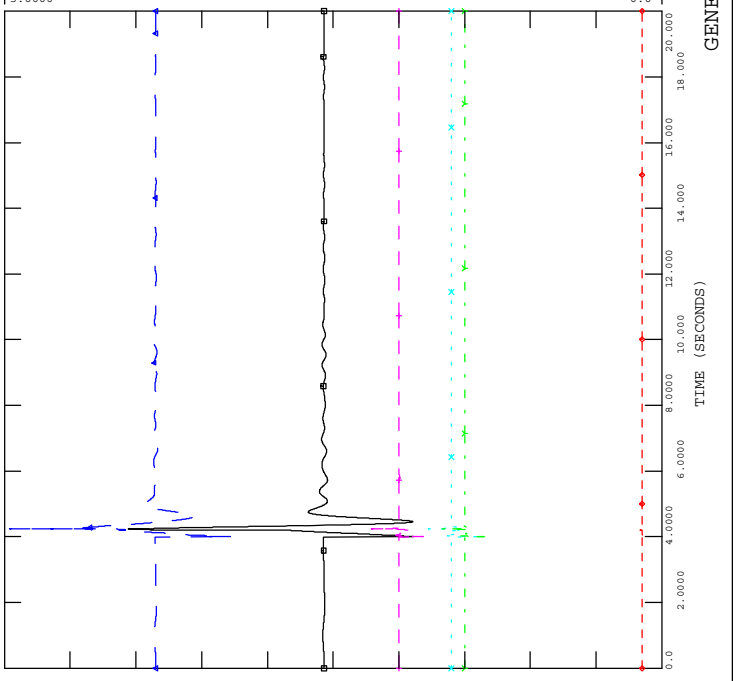
TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_946S_946S-Oakland.out

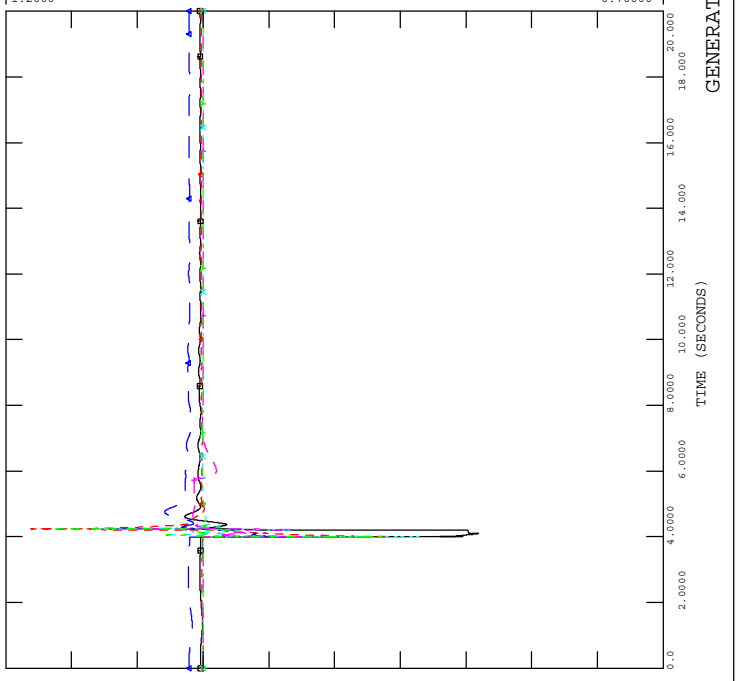
TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_946S_946S-Oakland.out

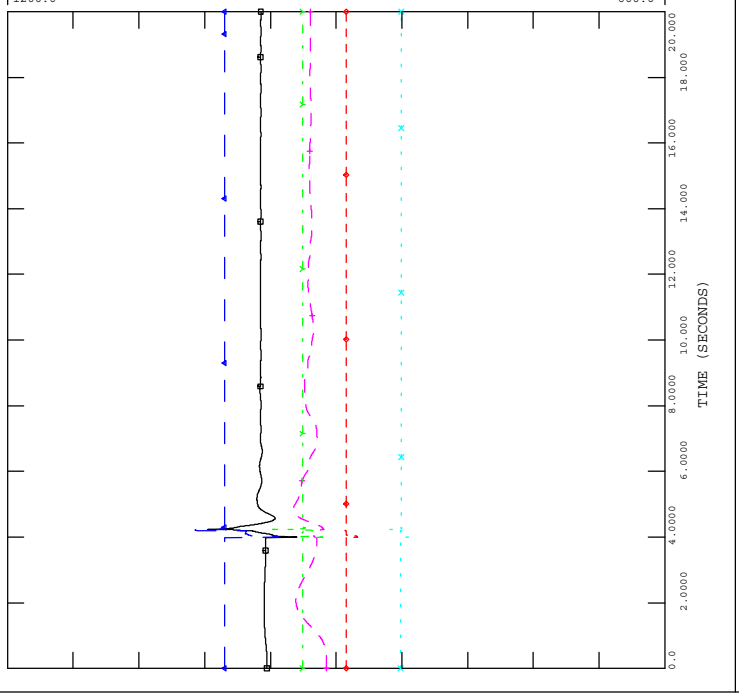
TUE, NOV 29 2016 9:10

LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L97_946S_946S-OAKLAND

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L97_946S_946S-Oakland.out

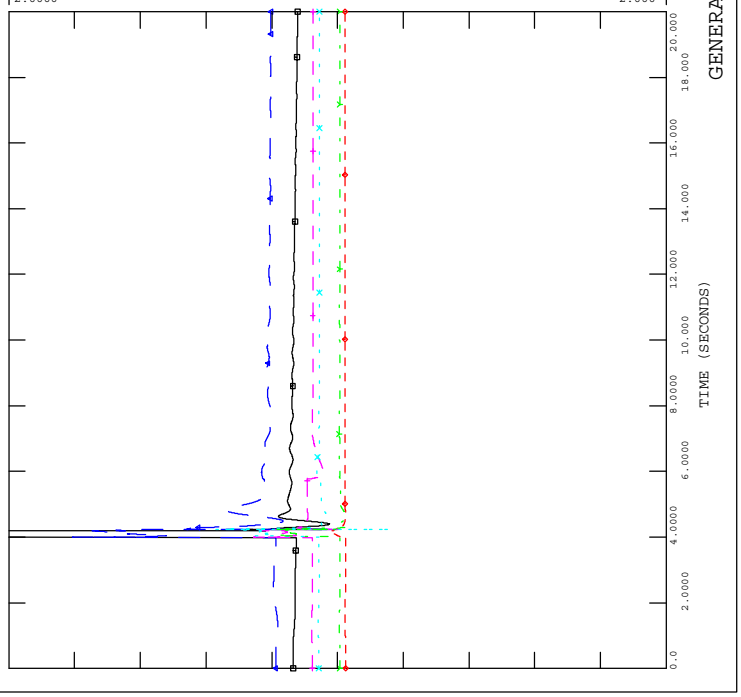
TUE, NOV 29 2016 9:10

GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

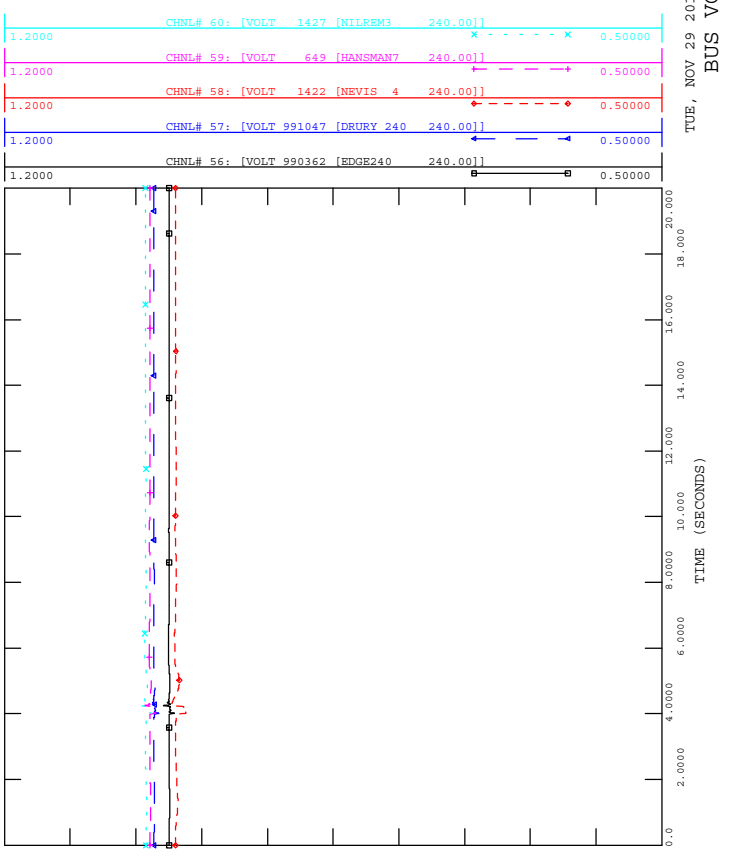


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S902_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

BUS VOLTAGE

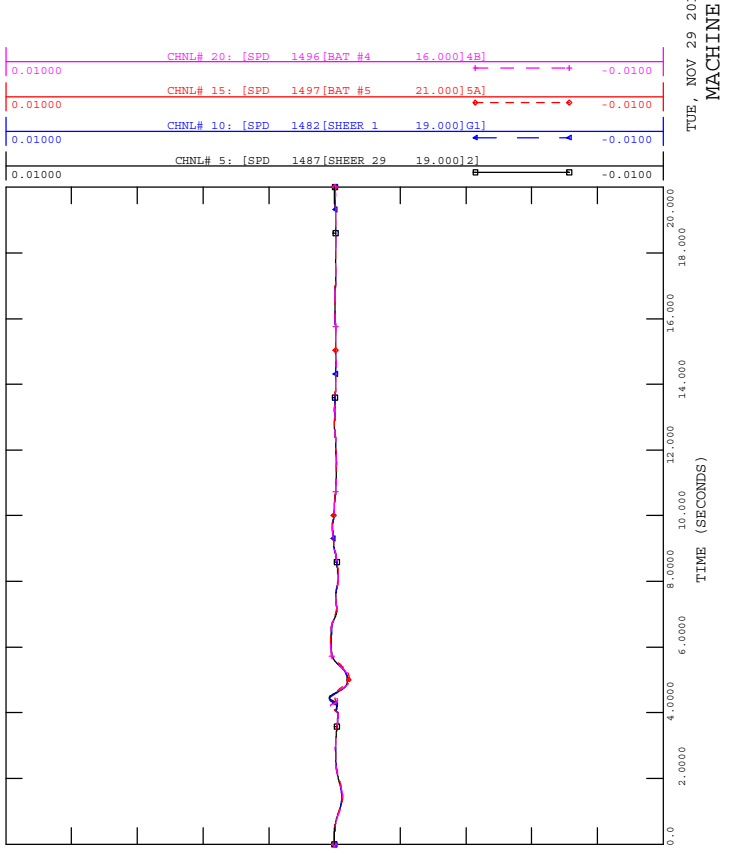


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S902_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

MACHINE SPEED

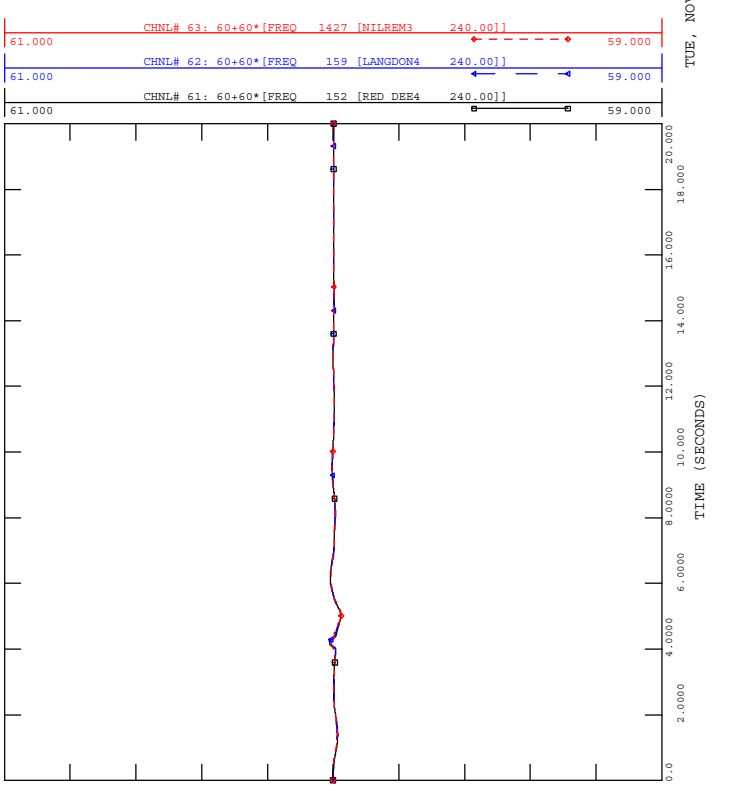


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S902_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

FREQUENCY

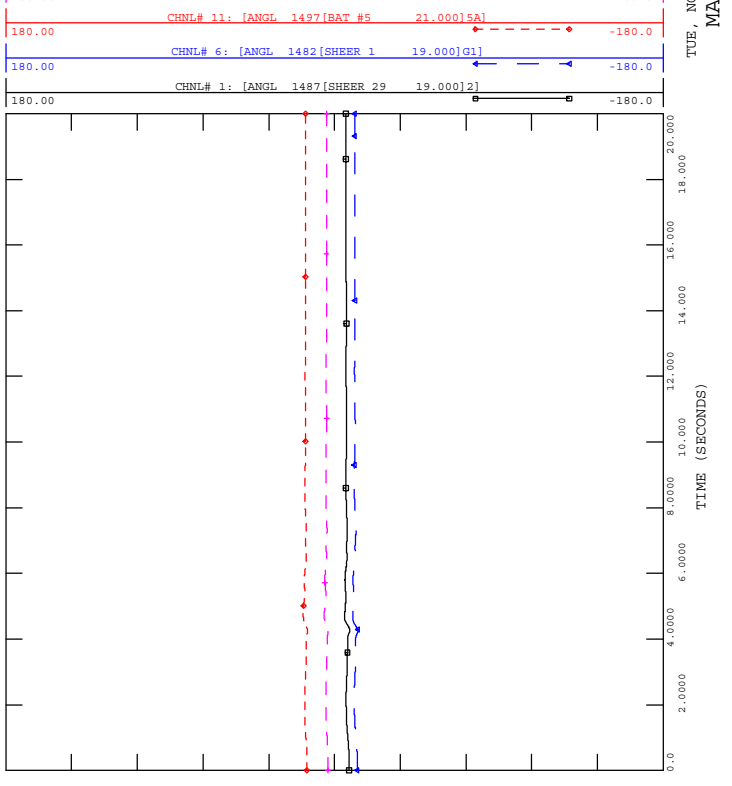


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S902_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S902_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

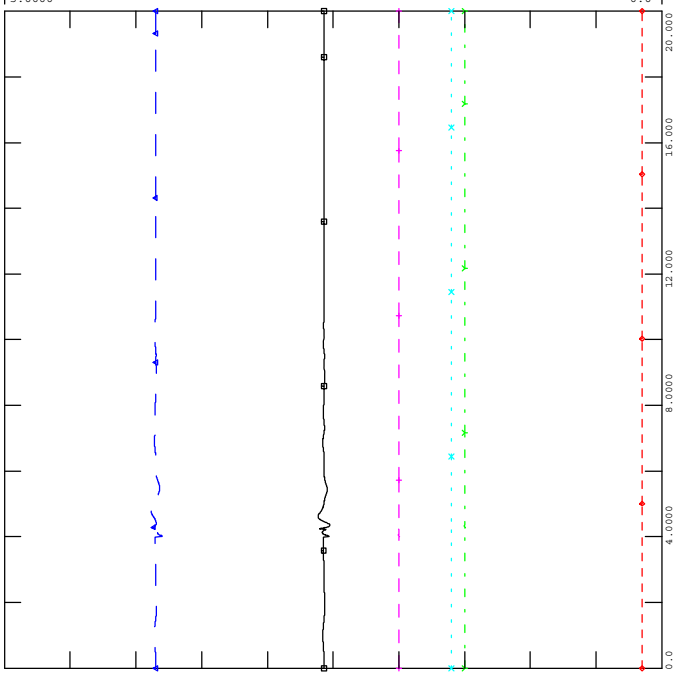
GENERATOR ACTIVE POWER

CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]

5.0000 / 0.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S902_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

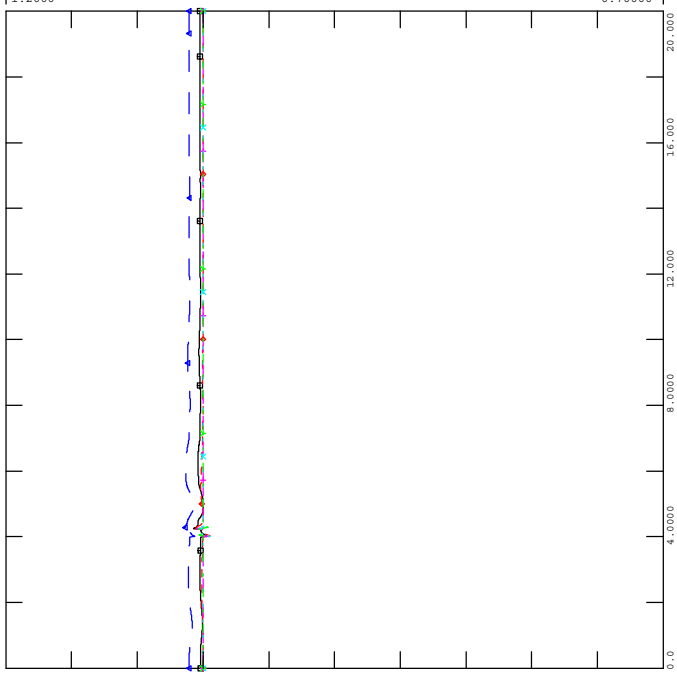
GENERATOR TERMINAL VOLTAG

CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S902_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

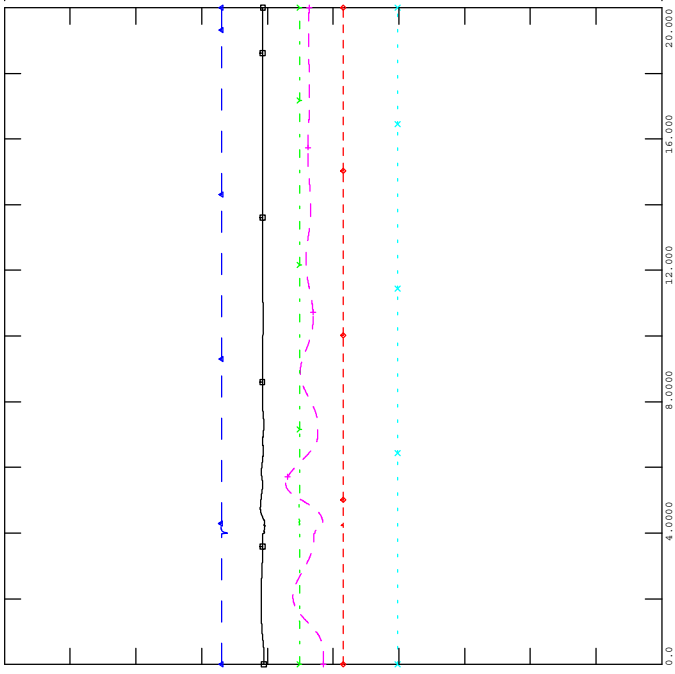
LINE POWER

CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']

1200.0 / -600.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S902_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S902_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

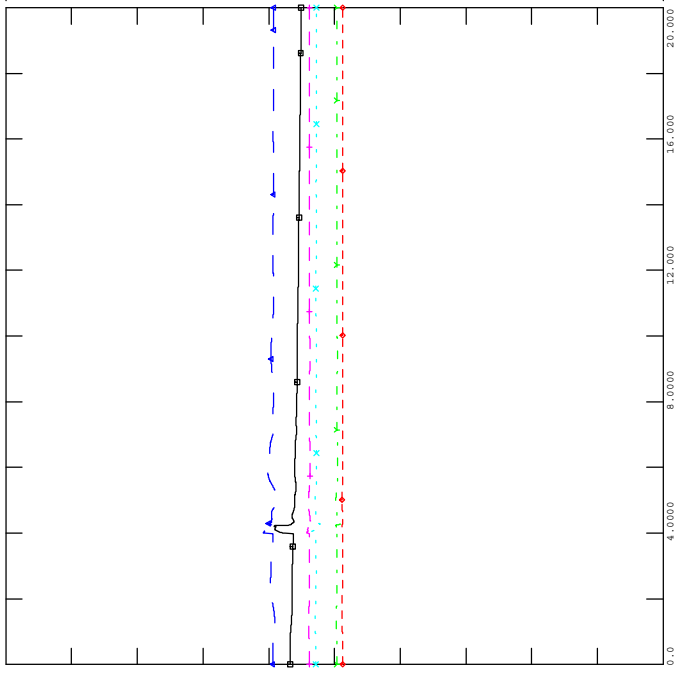
GENERATOR REACTIVE POWER

CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]

2.0000 / -2.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

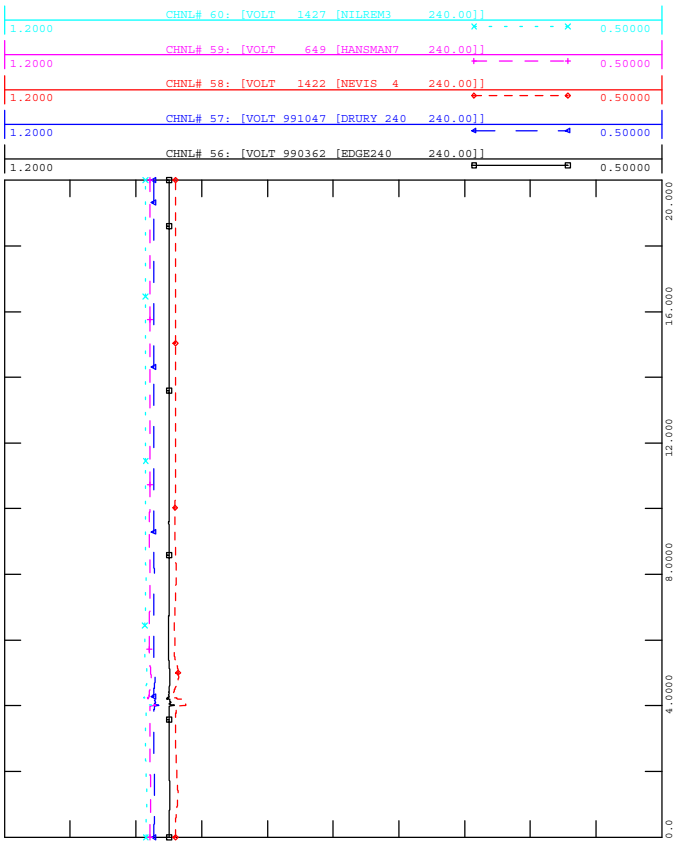


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S906_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

BUS VOLTAGE

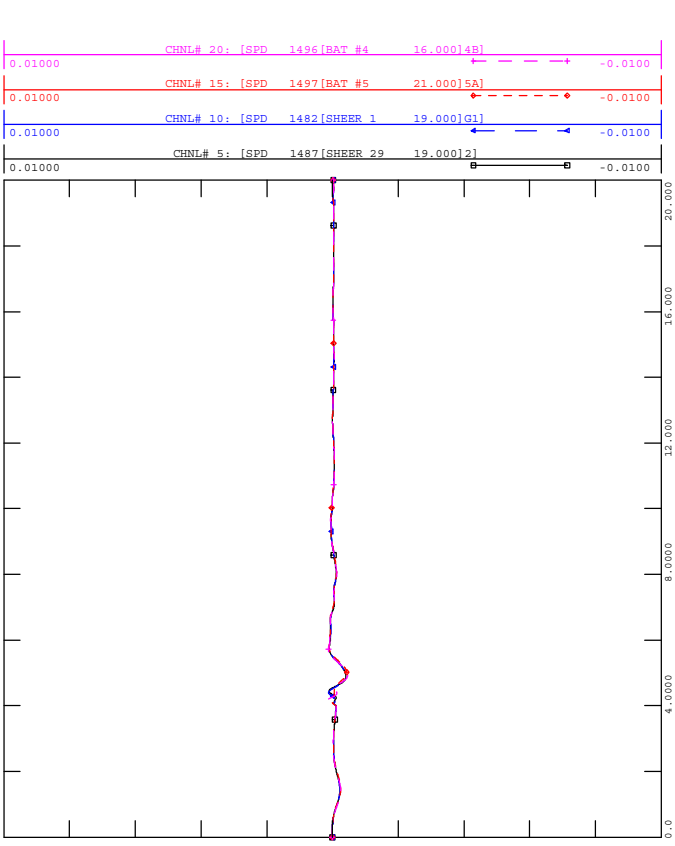


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S906_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

MACHINE SPEED

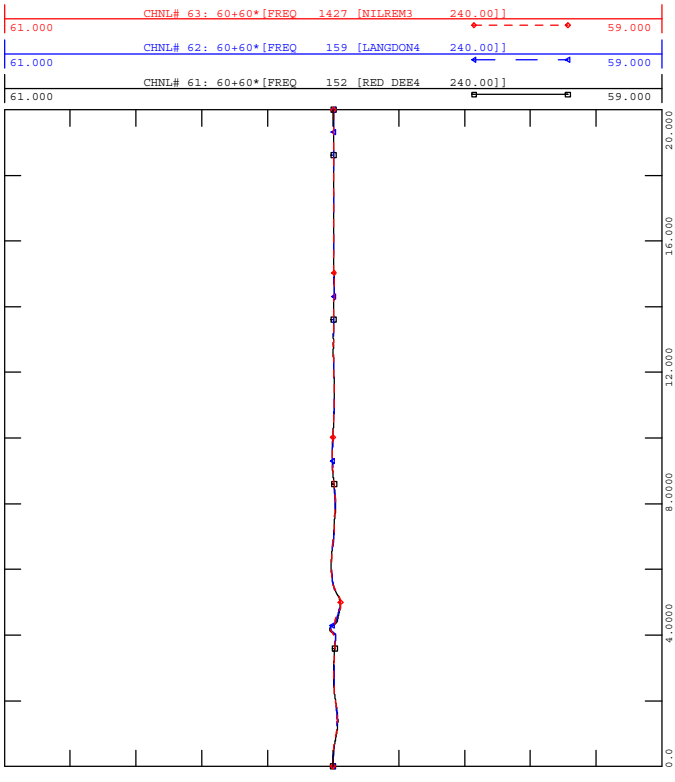


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S906_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

FREQUENCY

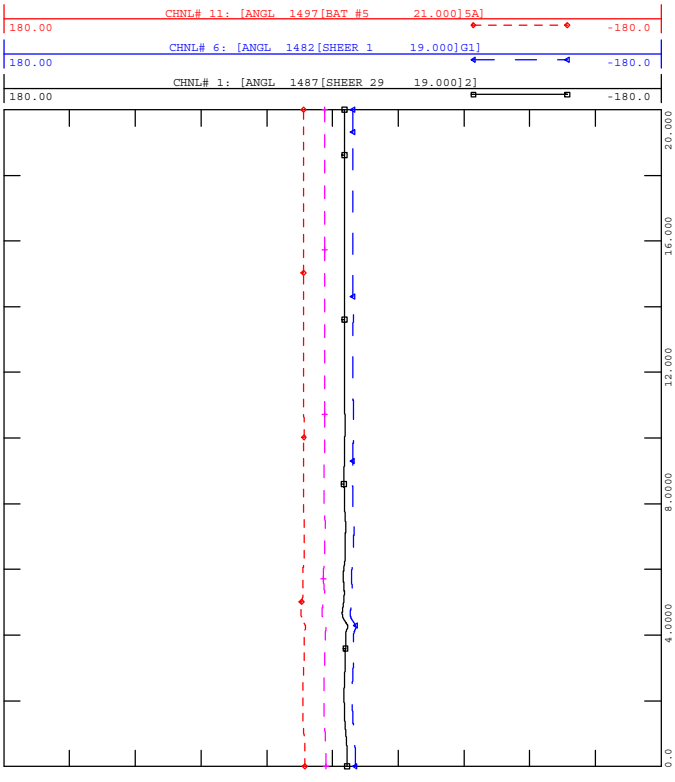


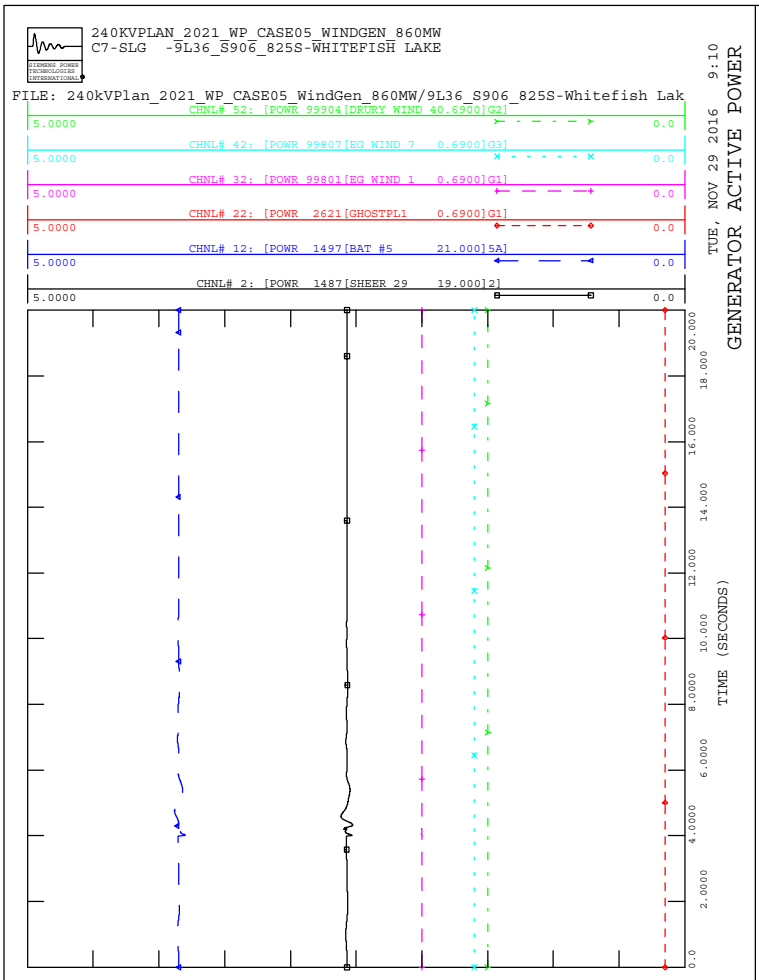
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE

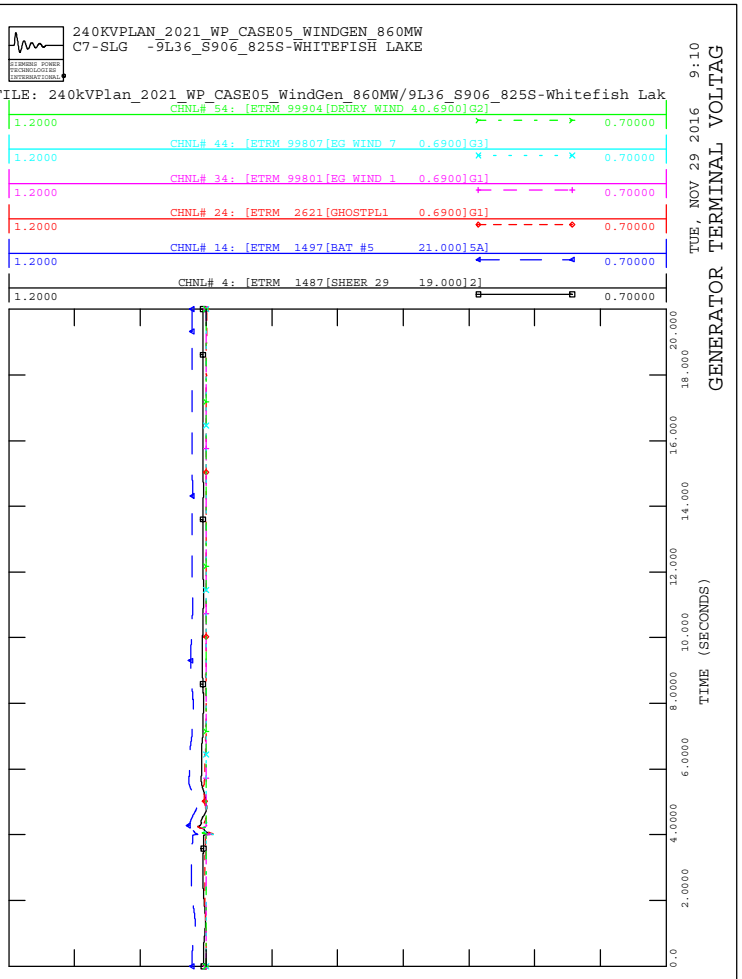
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S906_825S-Whitefish Lak

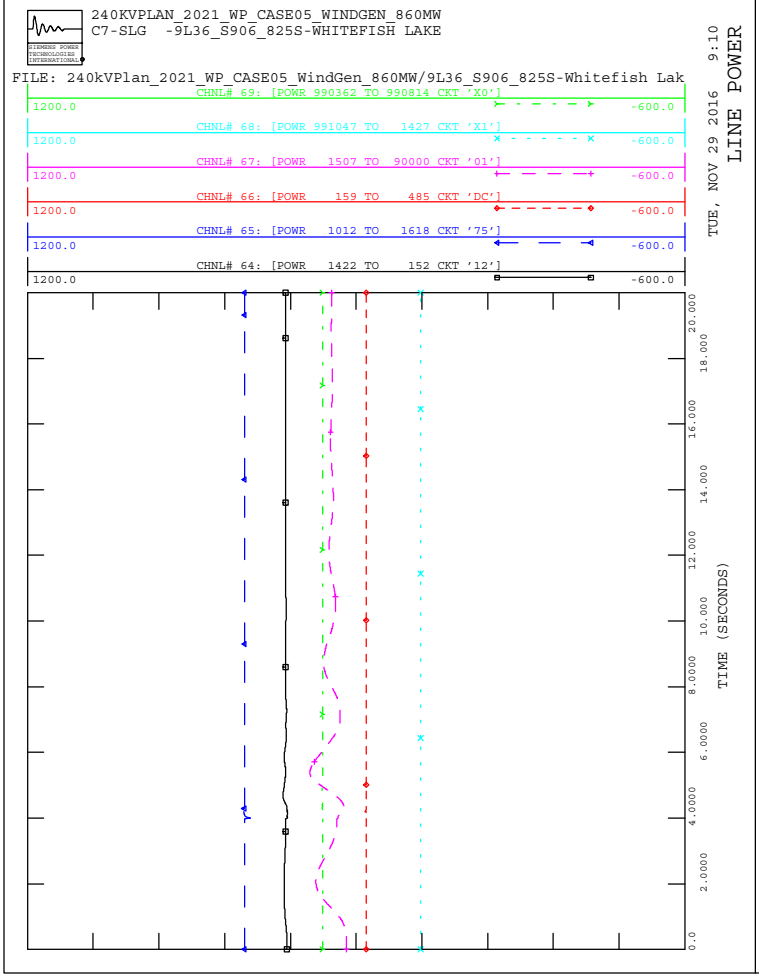
TUE, NOV 29 2016 9:10

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S906_825S-Whitefish Lak
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
5.0000
0.0
TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S906_825S-Whitefish Lak
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
1.2000
0.70000
TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S906_825S-Whitefish Lak
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
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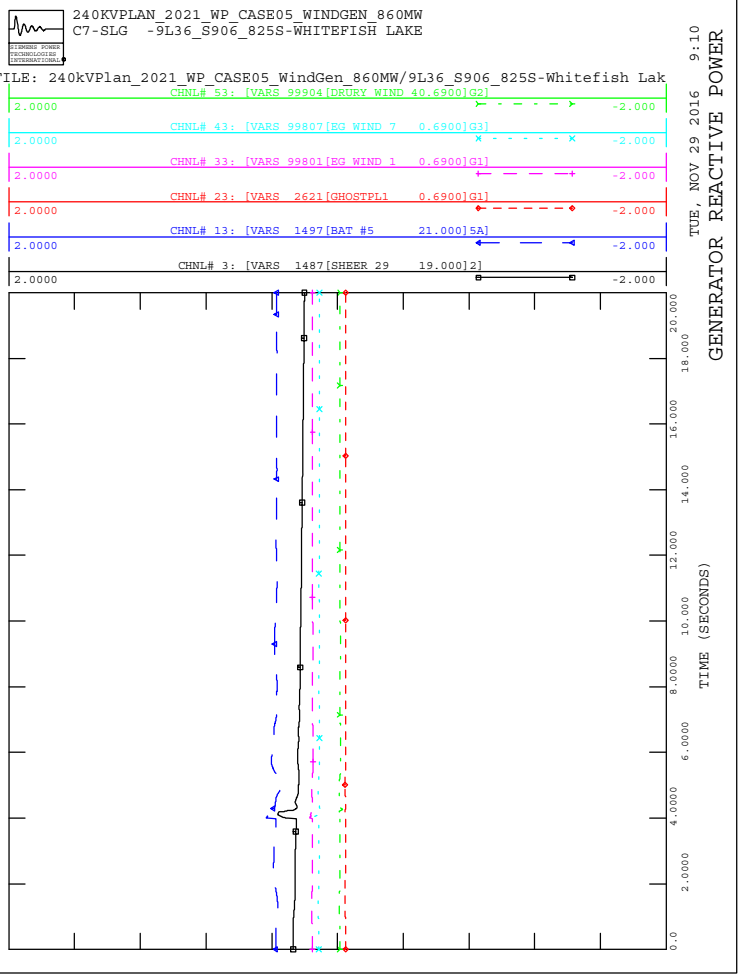
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
1200.0
-600.0
TUE, NOV 29 2016 9:10
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L36_S906_825S-WHITEFISH LAKE
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L36_S906_825S-Whitefish Lak
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
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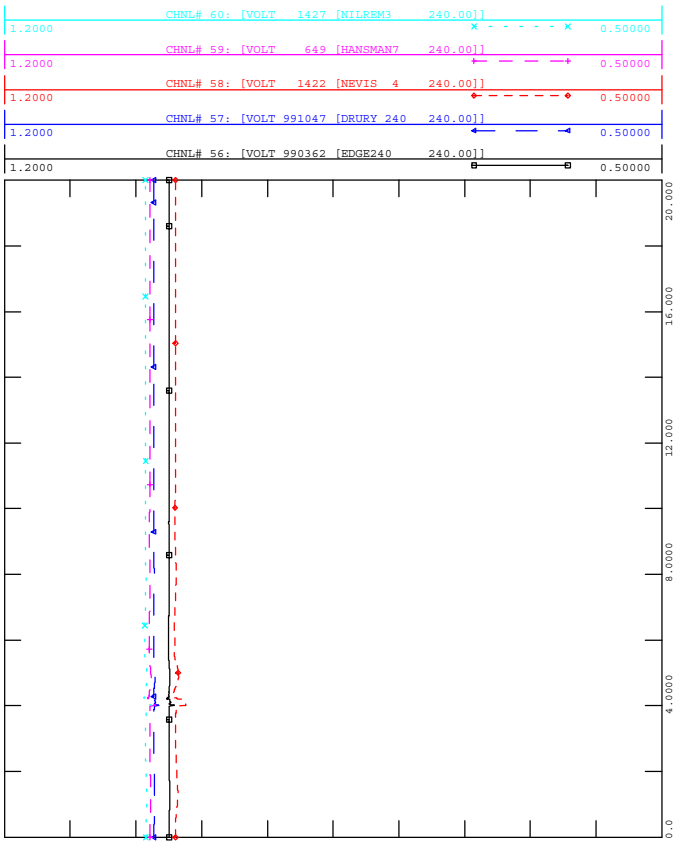
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
2.0000
-2.000
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S905_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

BUS VOLTAGE

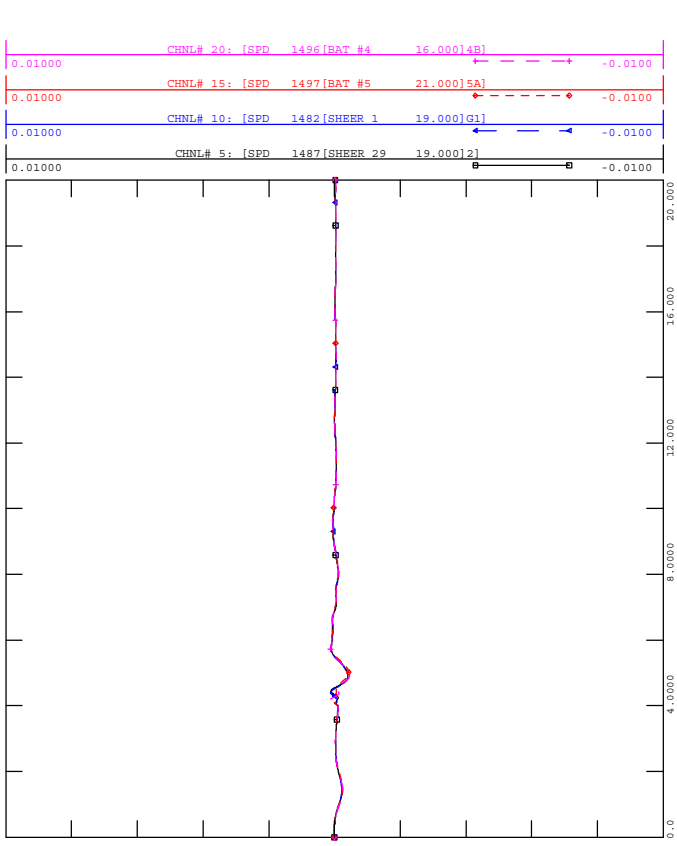


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S905_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

MACHINE SPEED

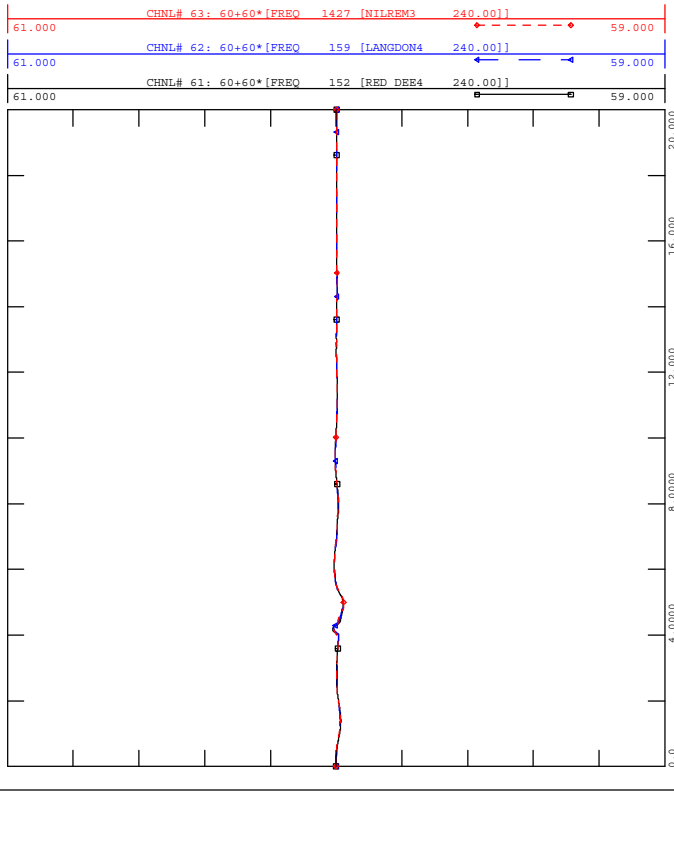


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S905_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

FREQUENCY

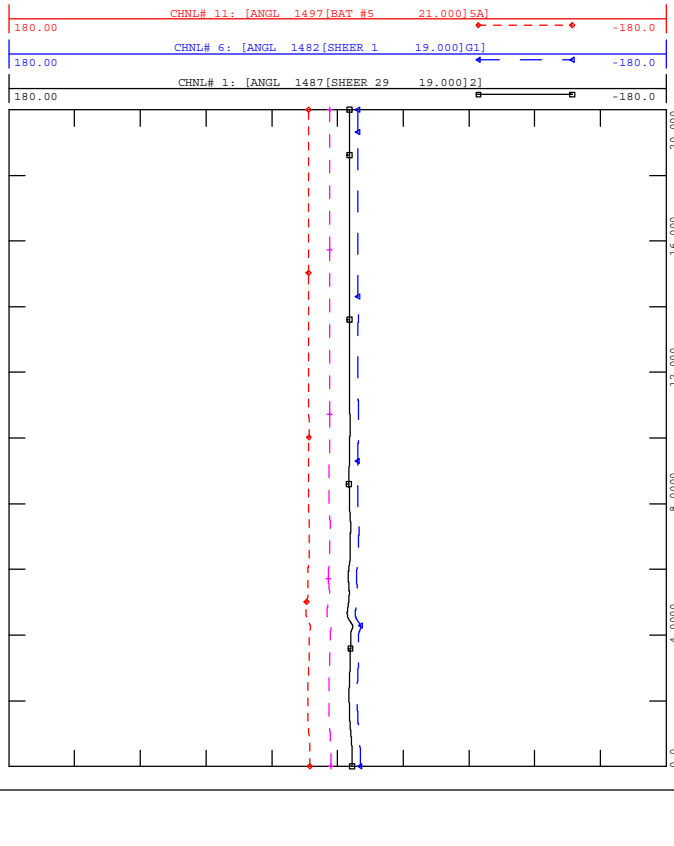


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S905_825S-Whitefish Lak

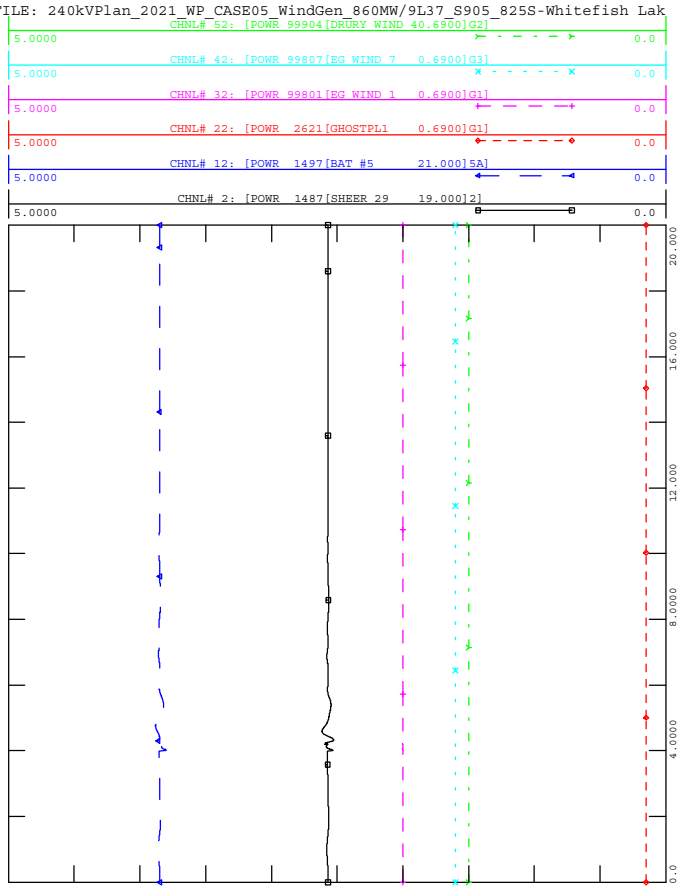
TUE, NOV 29 2016 9:10

MACHINE ANGEL



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

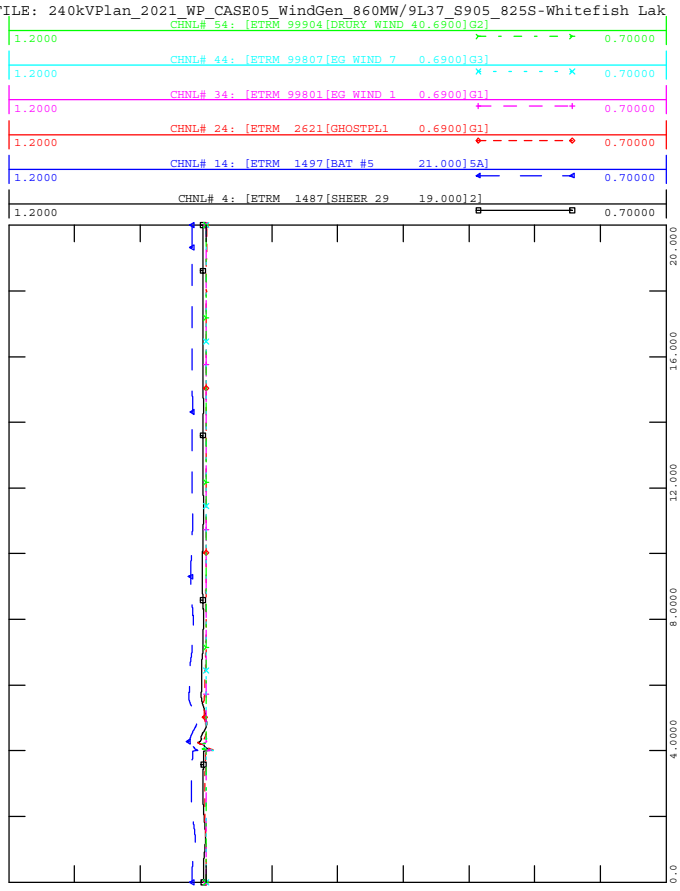
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S905_825S-Whitefish Lak



TUE, NOV 29 2016 9:10
GENERATOR ACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

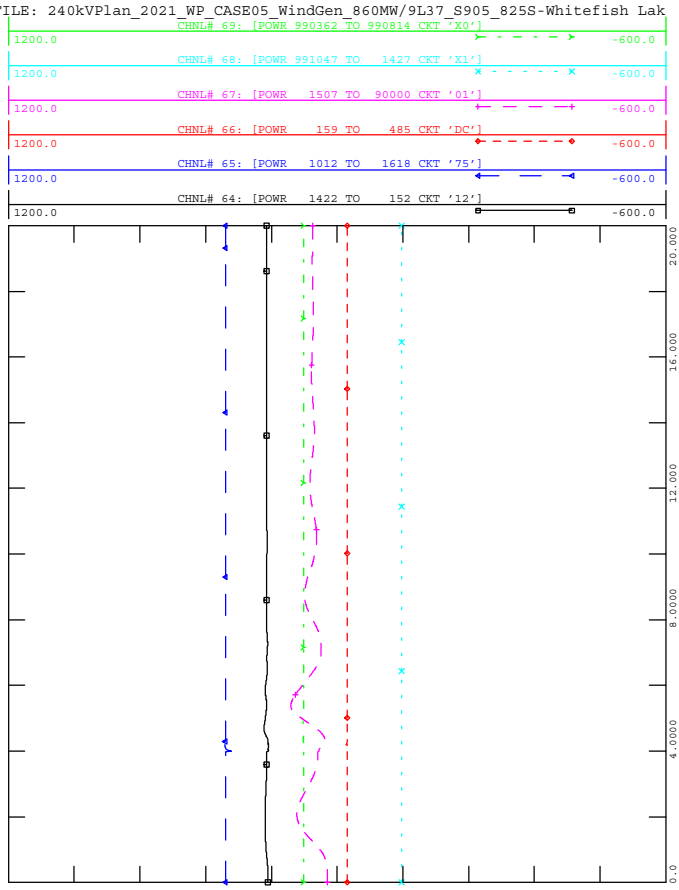
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S905_825S-Whitefish Lak



TUE, NOV 29 2016 9:10
GENERATOR TERMINAL VOLTAG

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

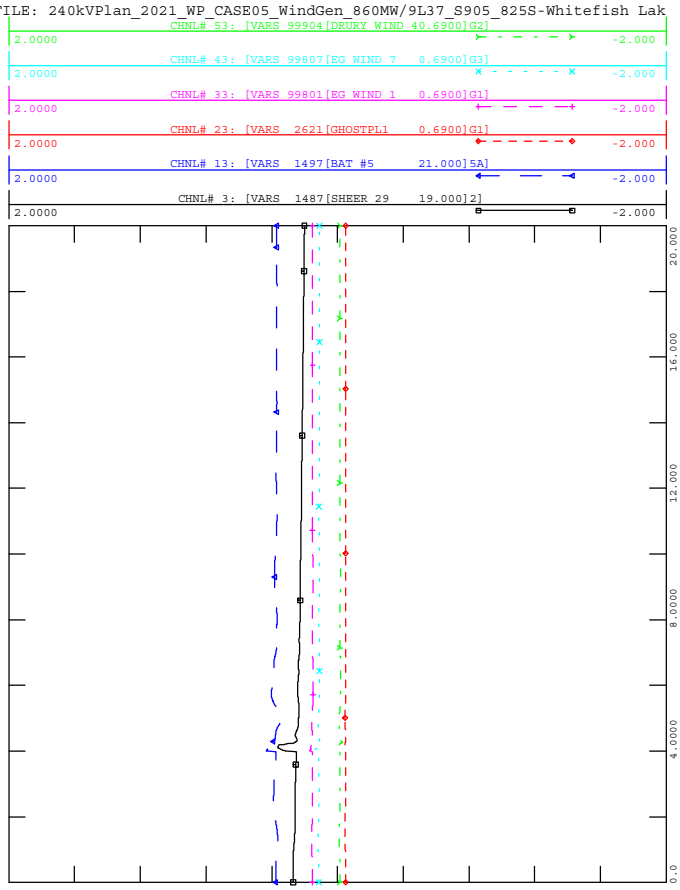
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S905_825S-Whitefish Lak



TUE, NOV 29 2016 9:10
LINE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S905_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S905_825S-Whitefish Lak



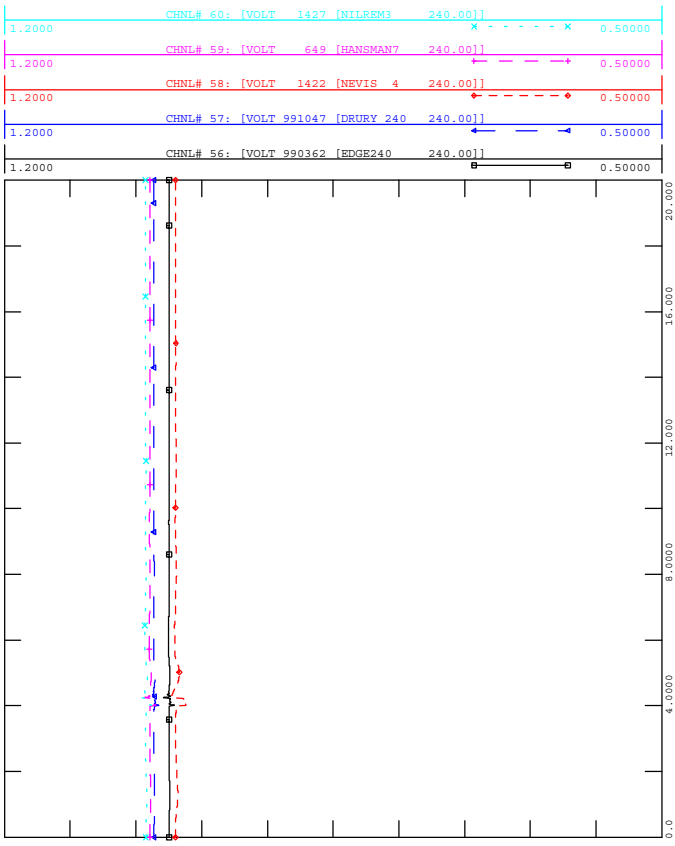
TUE, NOV 29 2016 9:10
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S903_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

BUS VOLTAGE

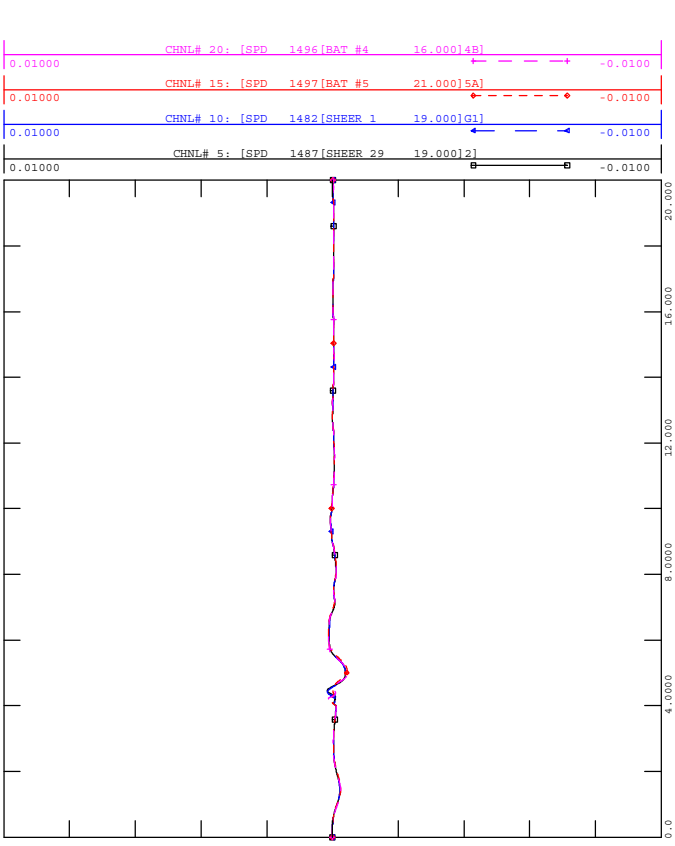


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S903_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S903_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

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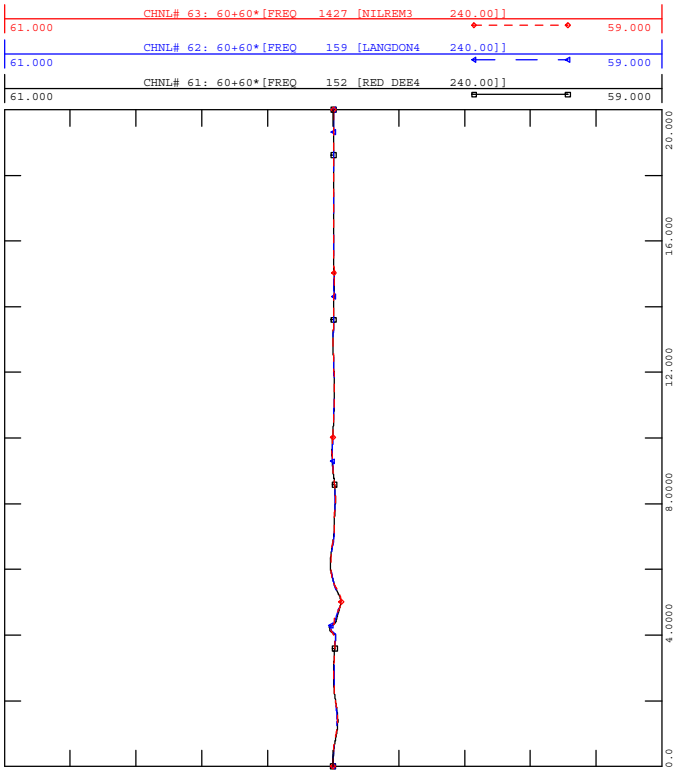
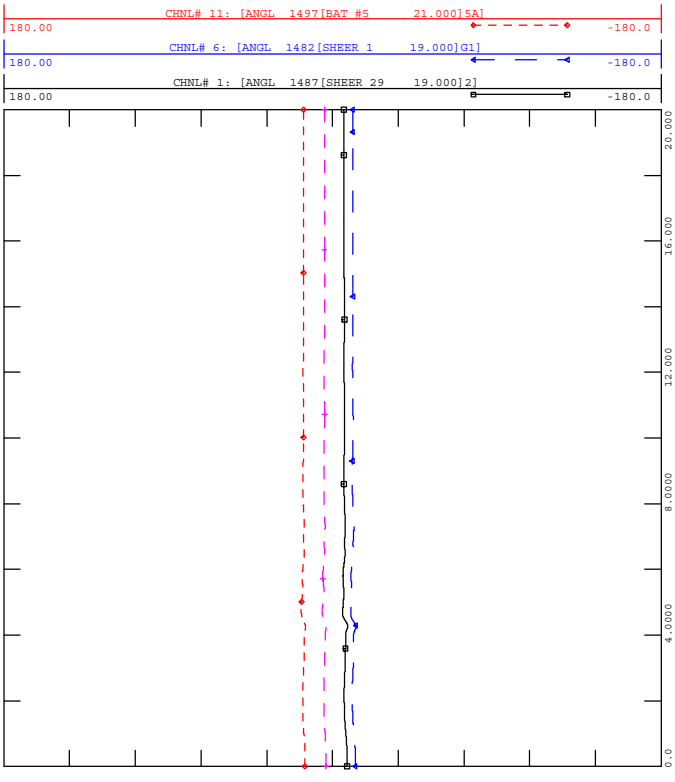


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S903_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

MACHINE ANGEL

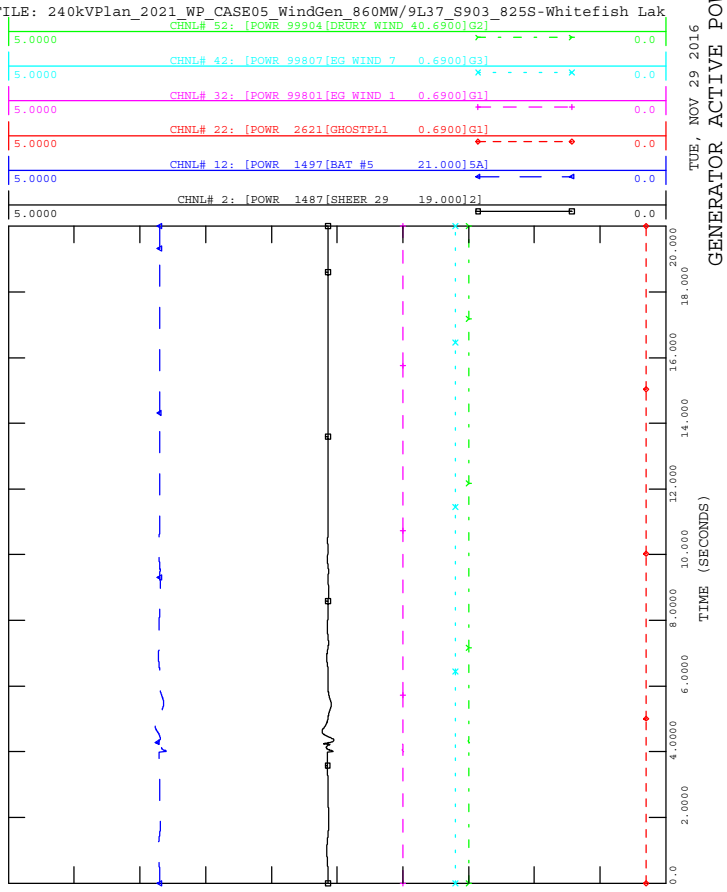


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S903_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

GENERATOR ACTIVE POWER

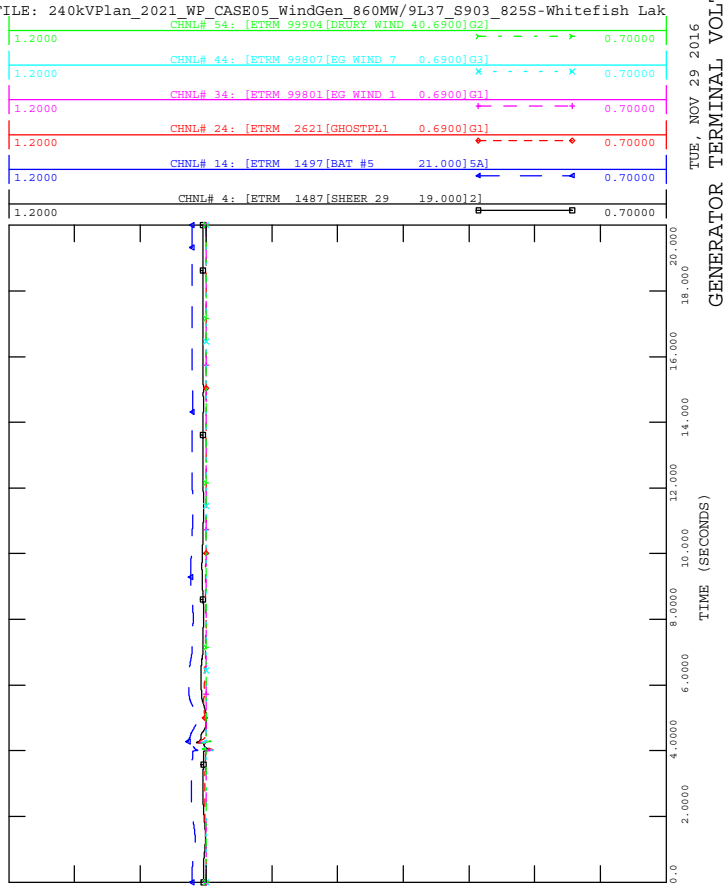


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S903_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

GENERATOR TERMINAL VOLTAG

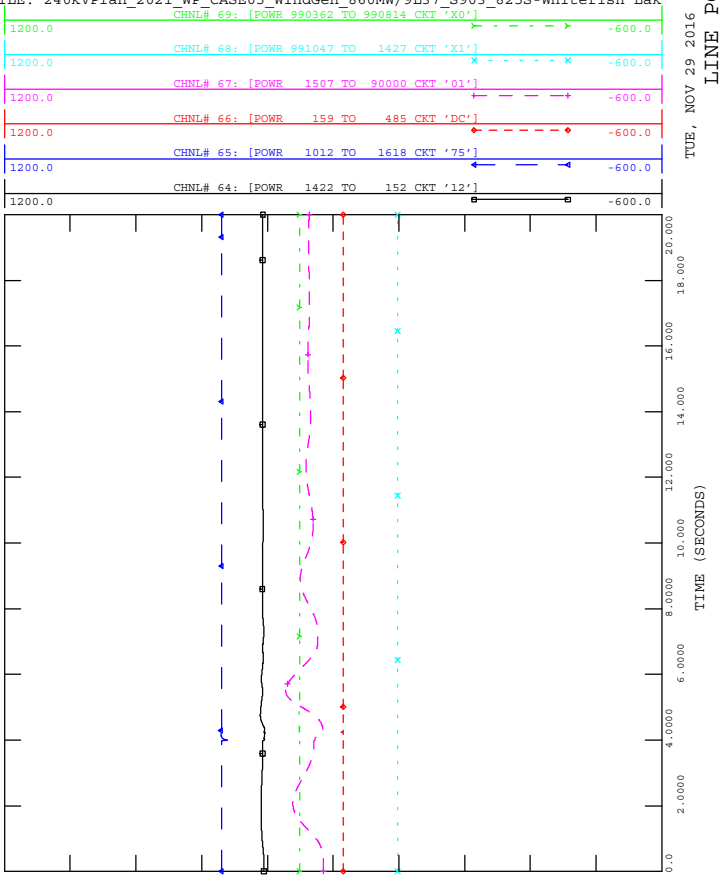


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S903_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

LINE POWER

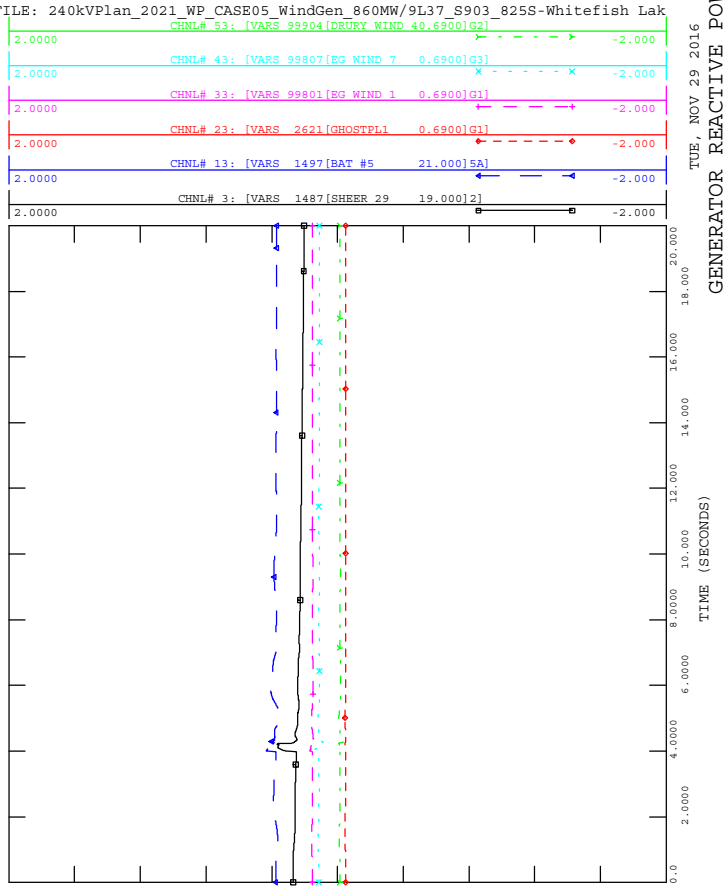


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
C7-SLG -9L37_S903_825S-WHITEFISH LAKE

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/9L37_S903_825S-Whitefish Lak

TUE, NOV 29 2016 9:10

GENERATOR REACTIVE POWER



Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Summer Light

RAS Simulation: Trip Edgerton Wind Farm #3 (160 MW) Post-Contingency

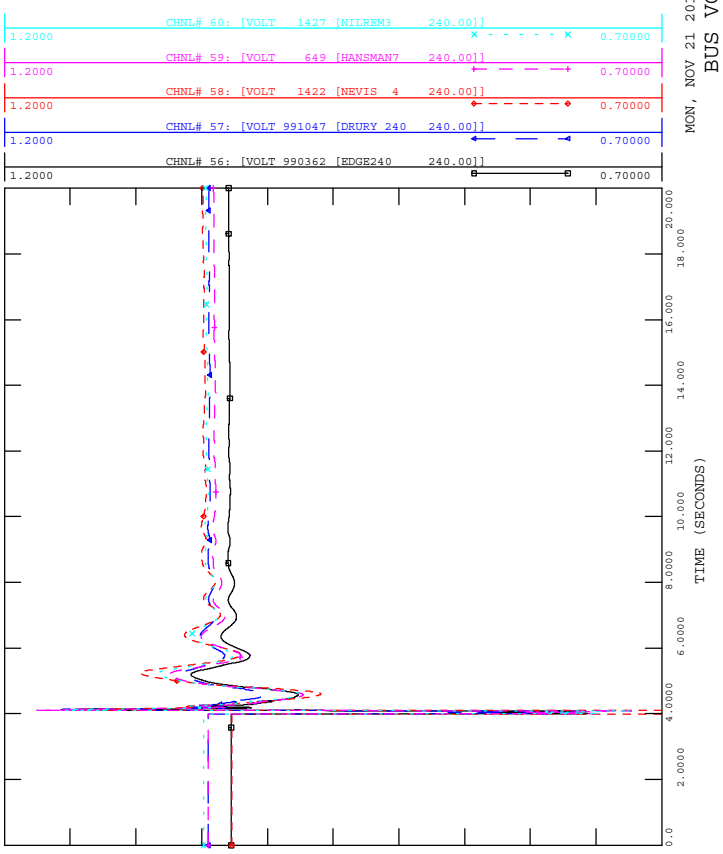
Category B (Three-phase-to-ground Fault)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

MON, NOV 21 2016 21:24

BUS VOLTAGE

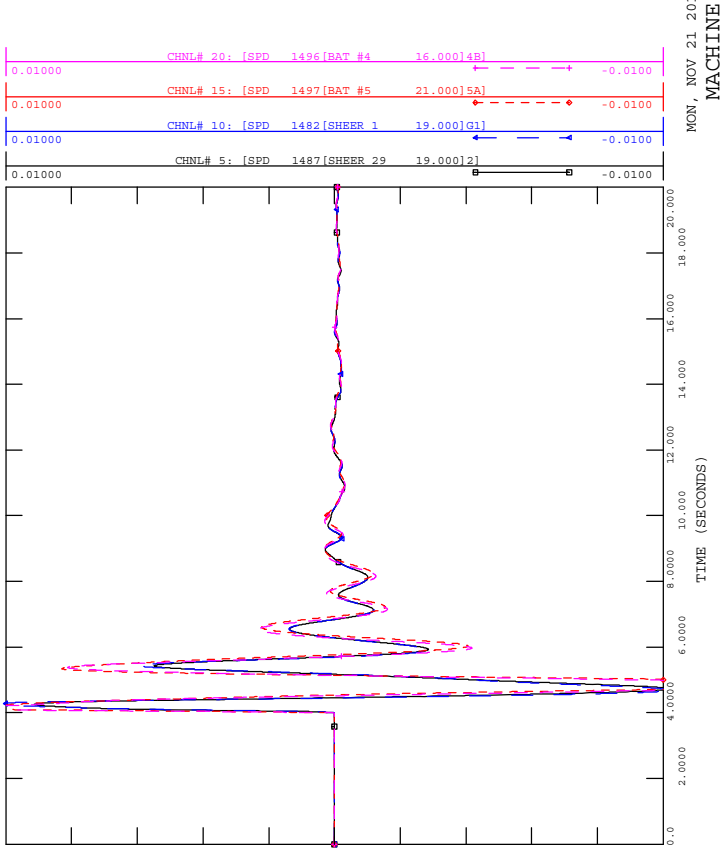


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

MON, NOV 21 2016 21:24

MACHINE SPEED

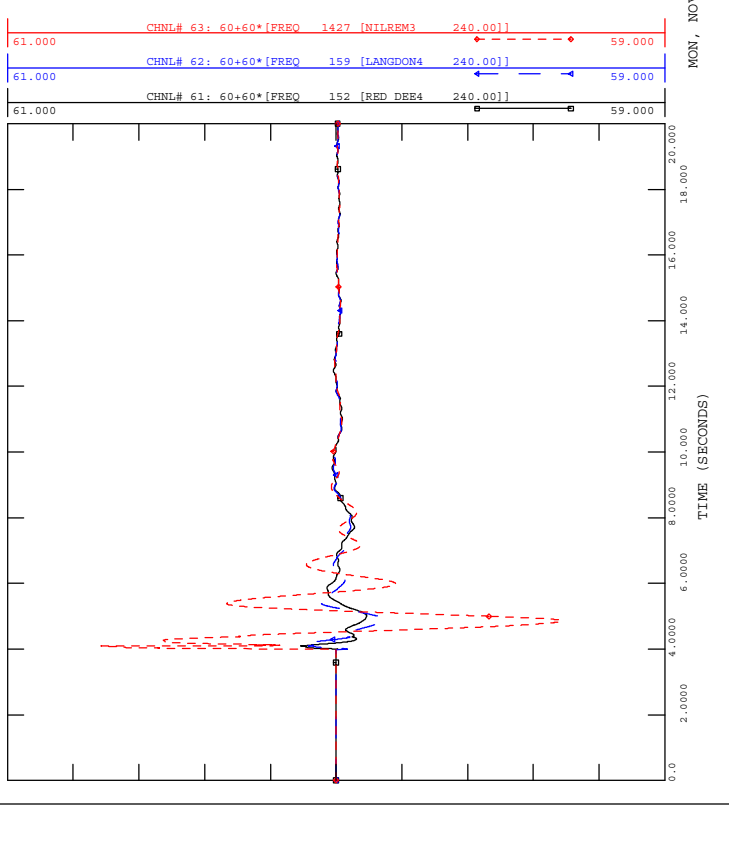


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

MON, NOV 21 2016 21:24

FREQUENCY

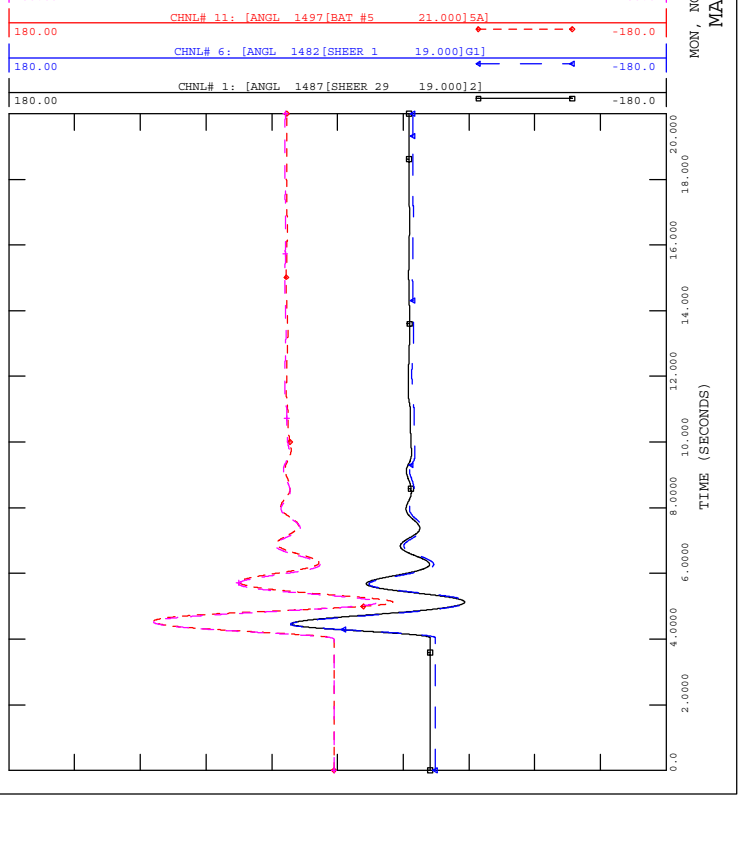


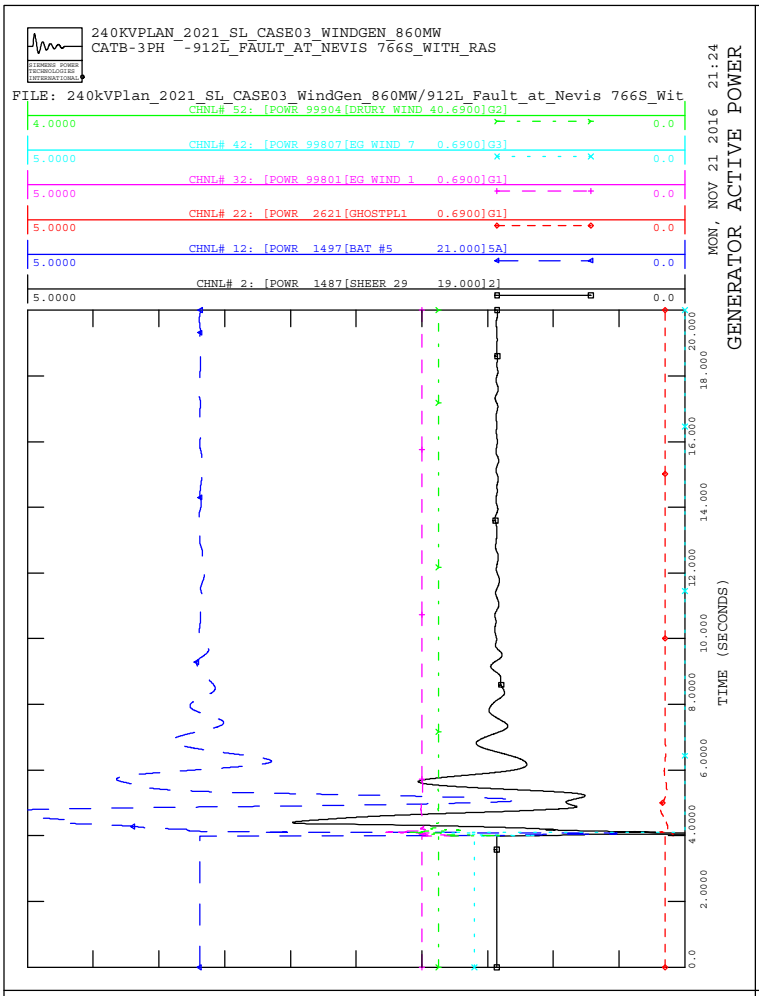
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S_WITH_RAS

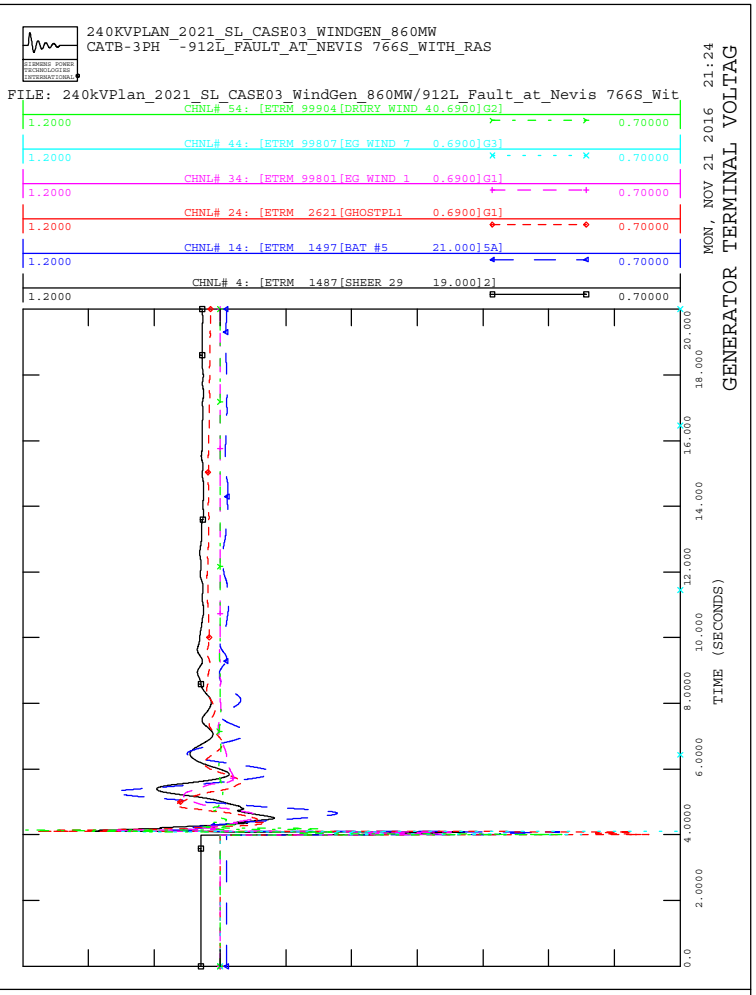
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

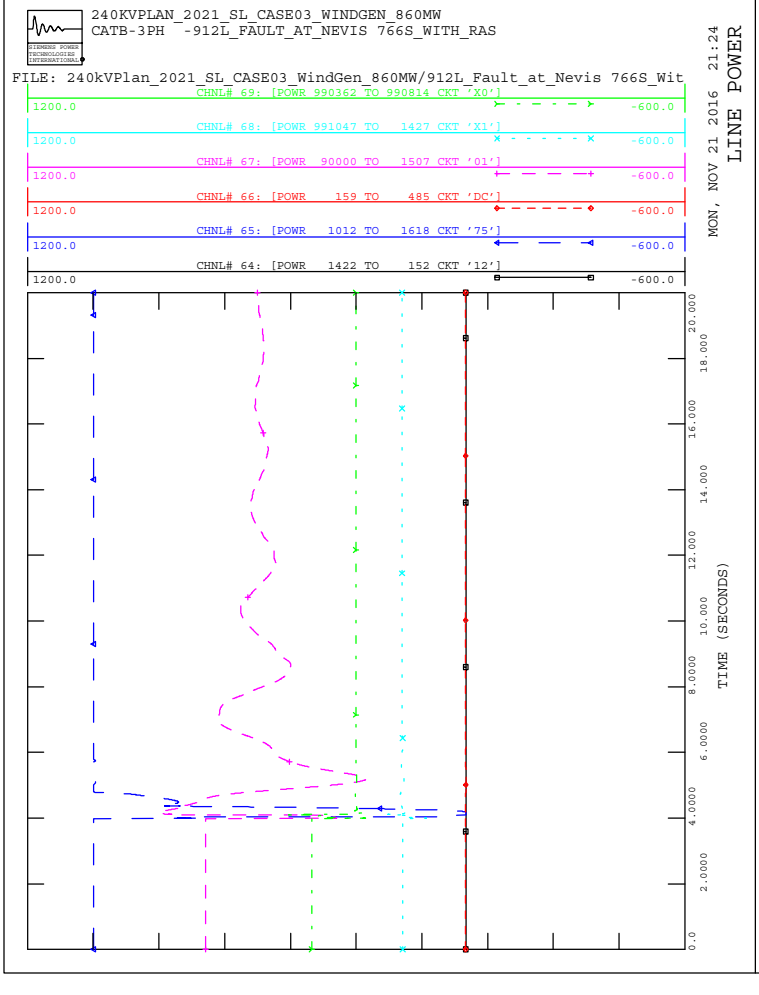
MON, NOV 21 2016 21:24

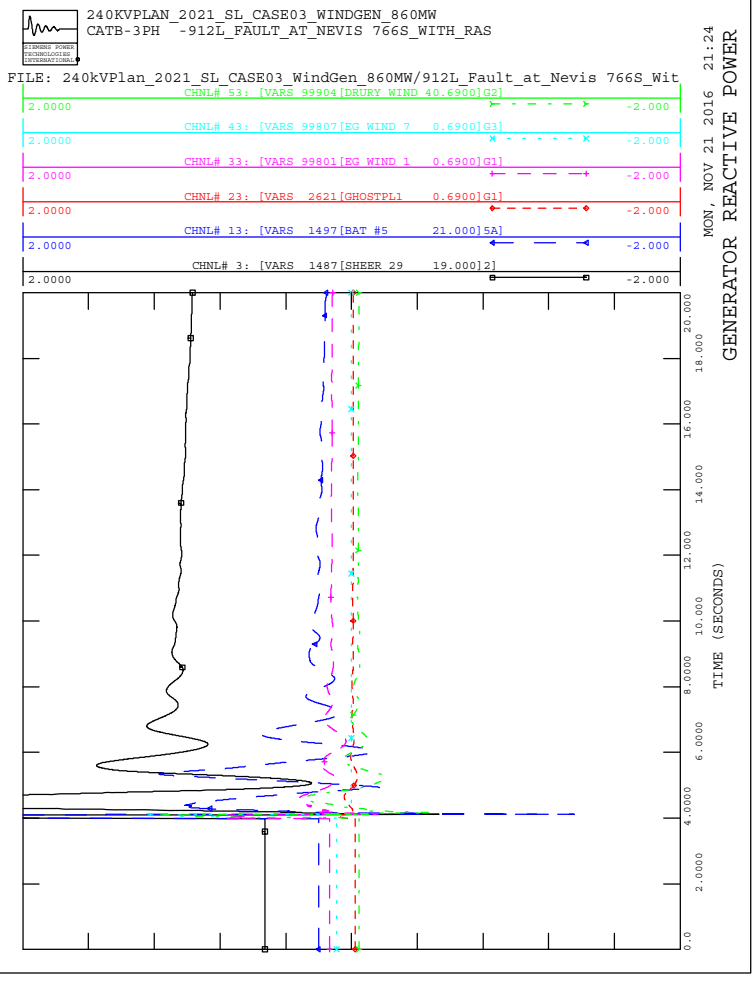
MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 21:24
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 21:24
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 21:24
TIME (SECONDS)

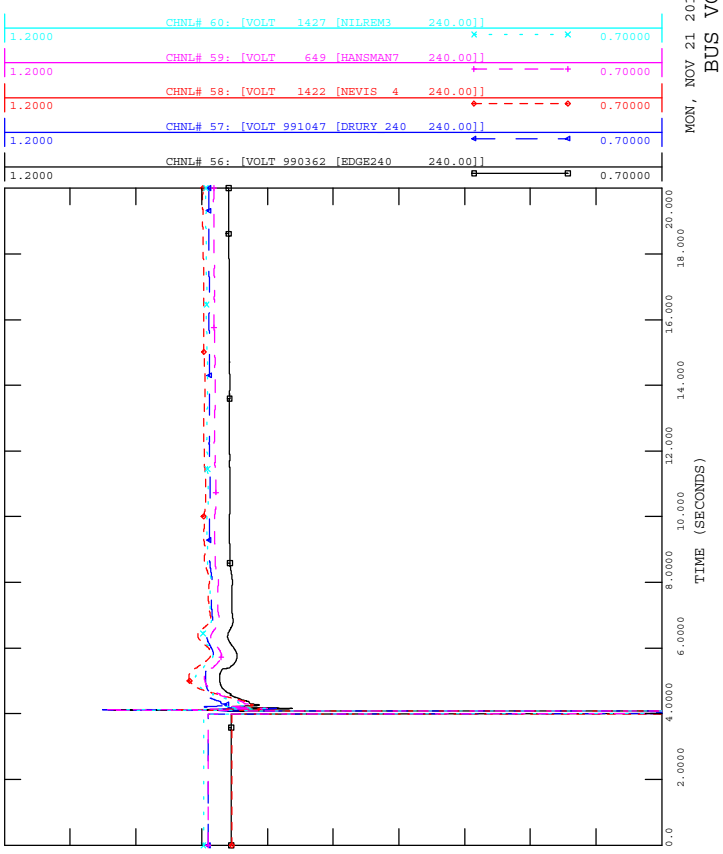

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 21:24
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

MON, NOV 21 2016 21:24

BUS VOLTAGE

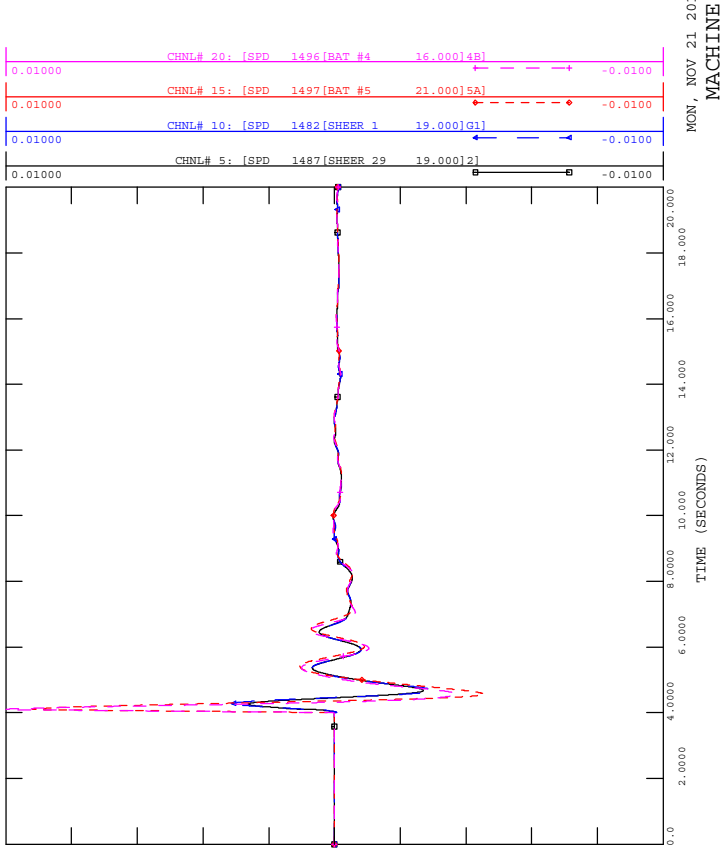


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

MON, NOV 21 2016 21:24

MACHINE SPEED

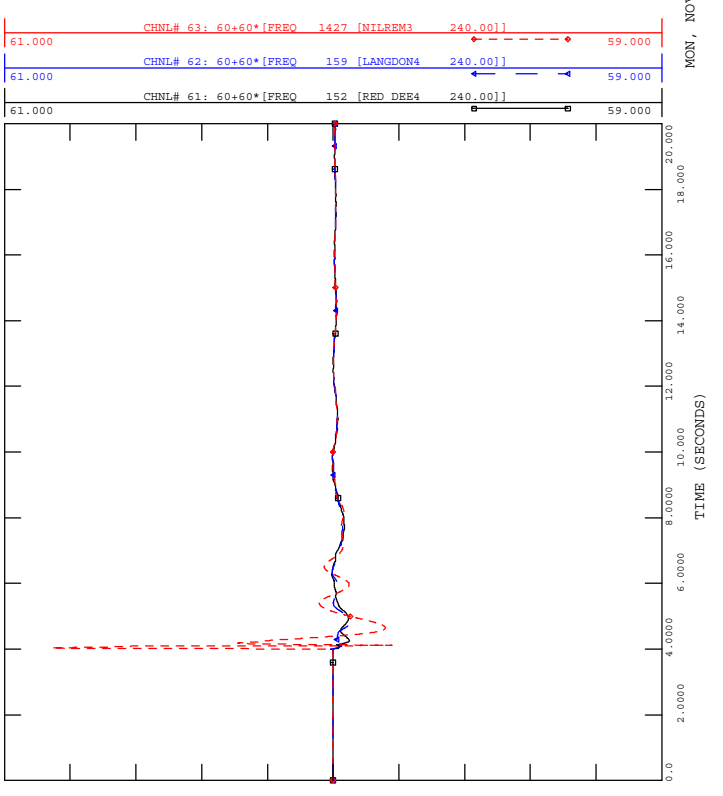


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

MON, NOV 21 2016 21:24

FREQUENCY

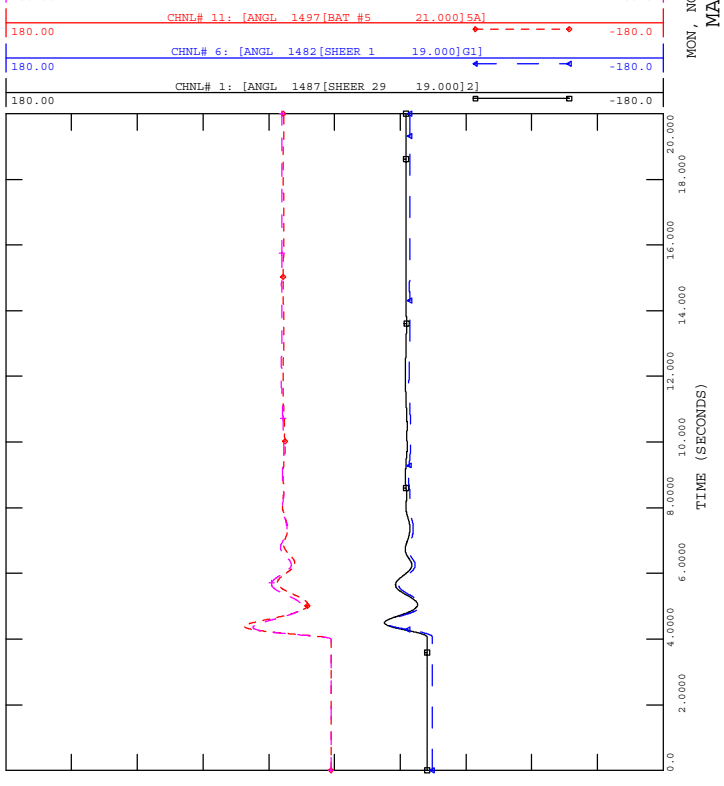


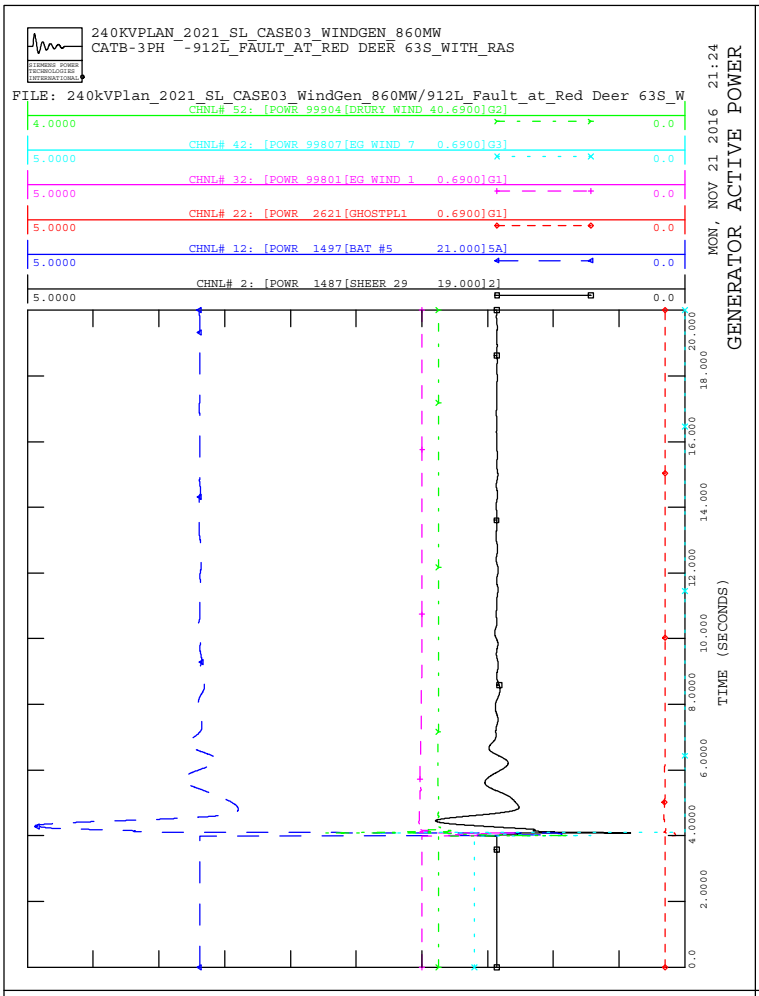
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

MON, NOV 21 2016 21:24

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
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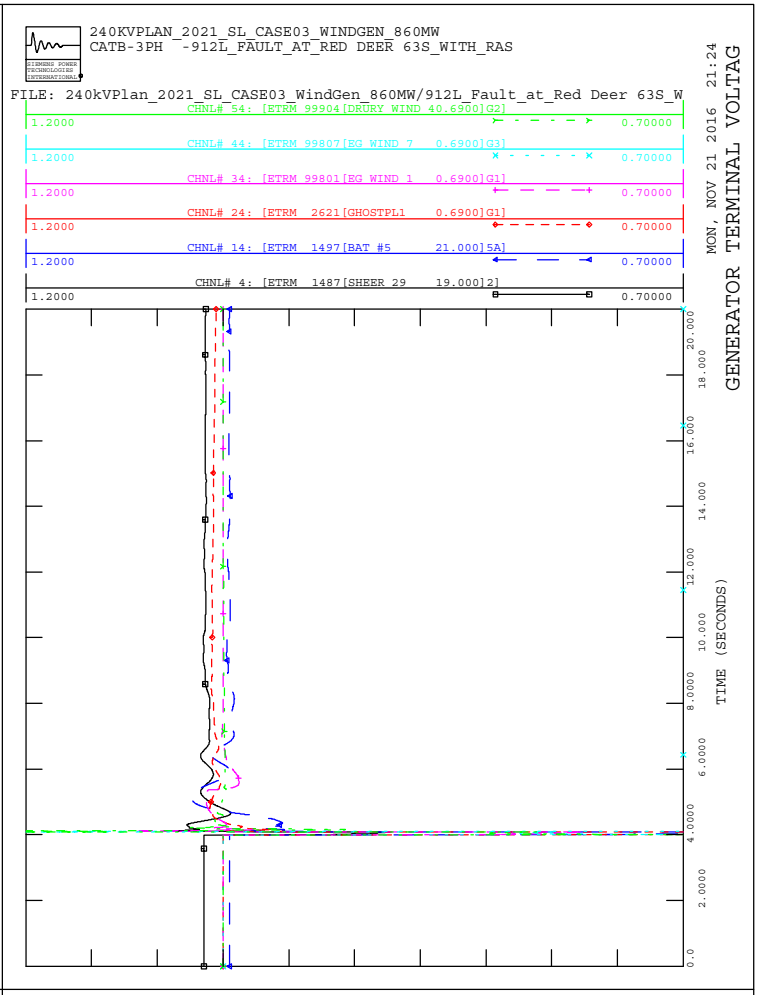
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
GENERATOR ACTIVE POWER
MON, NOV 21 2016 21:24
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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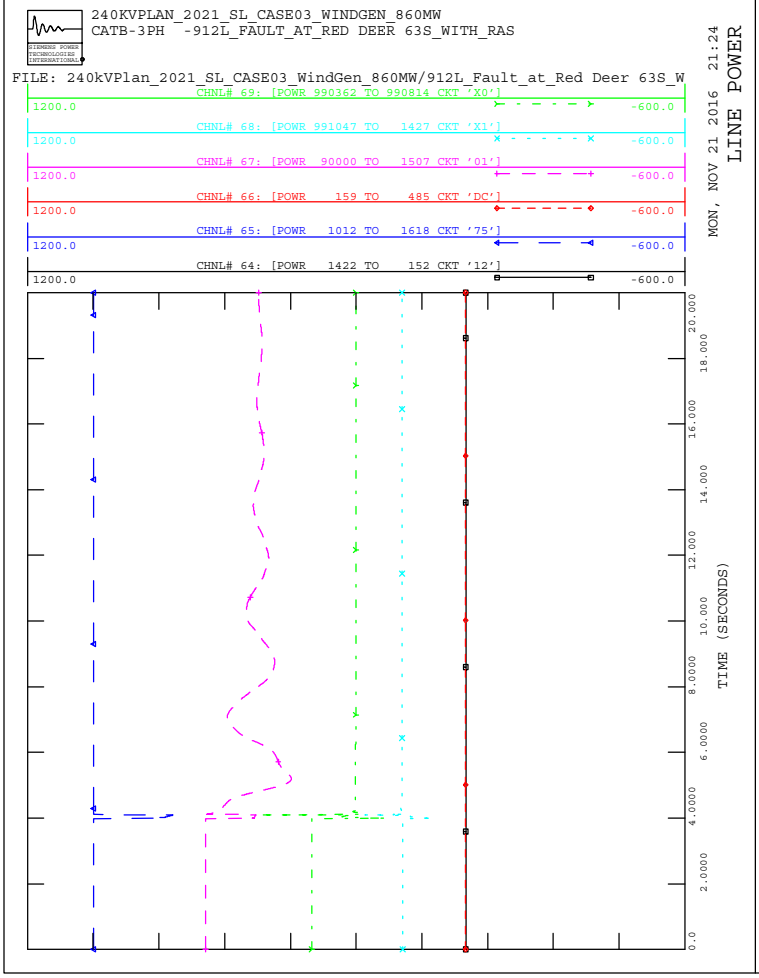
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
GENERATOR TERMINAL VOLTAG
MON, NOV 21 2016 21:24
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
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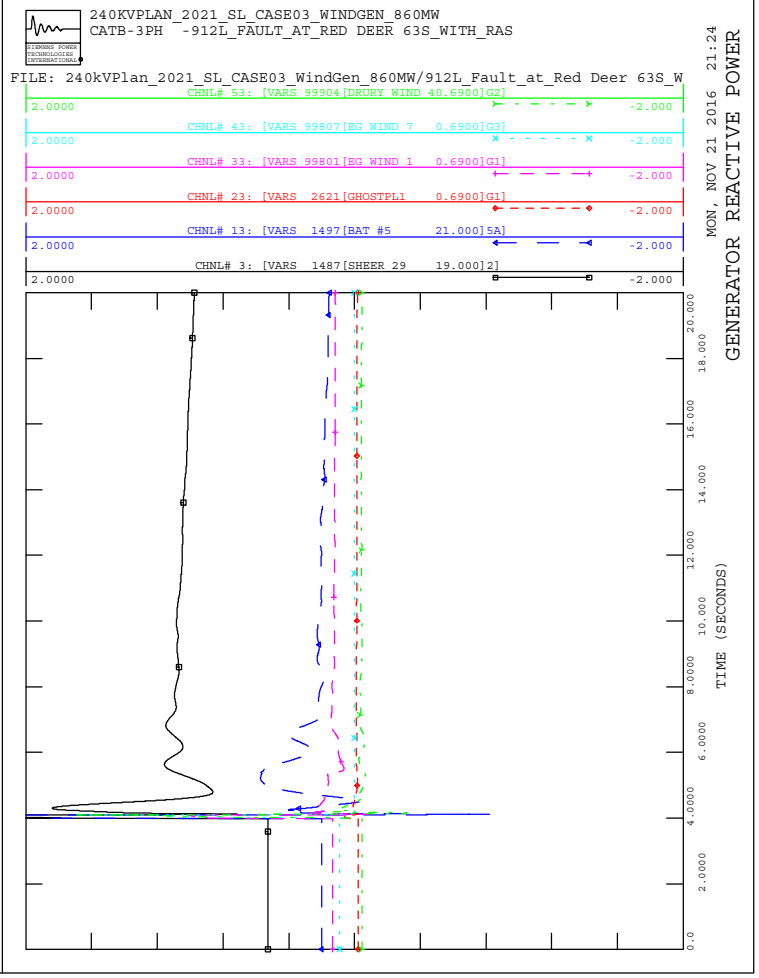
CHNL# 64: [POWR 1422 TO 152 CKT '12']
LINE POWER
MON, NOV 21 2016 21:24
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
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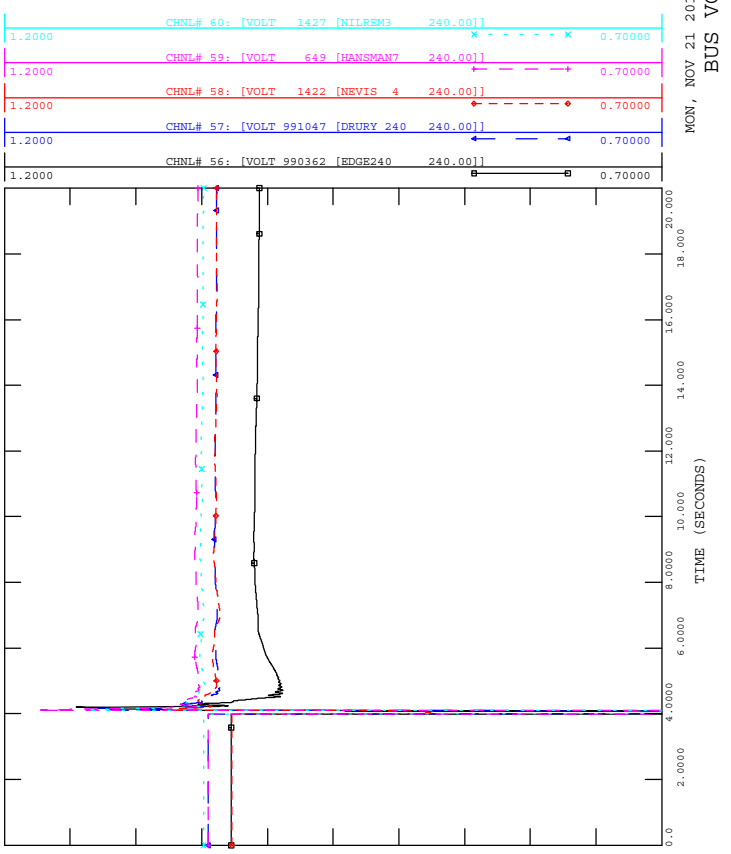
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
GENERATOR REACTIVE POWER
MON, NOV 21 2016 21:24
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

MON, NOV 21 2016 21:24

BUS VOLTAGE

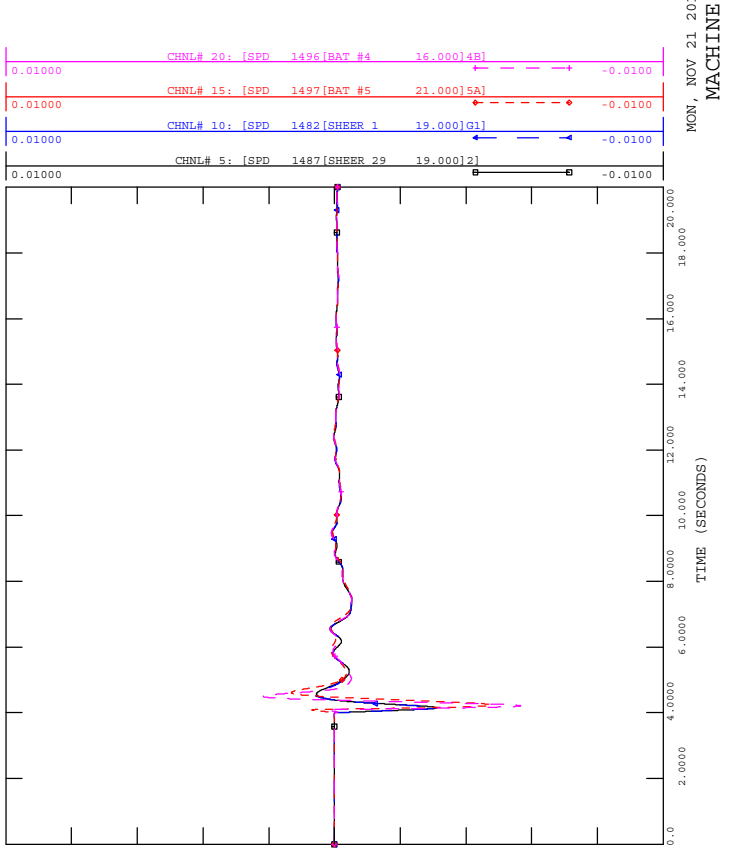


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

MON, NOV 21 2016 21:24

MACHINE SPEED

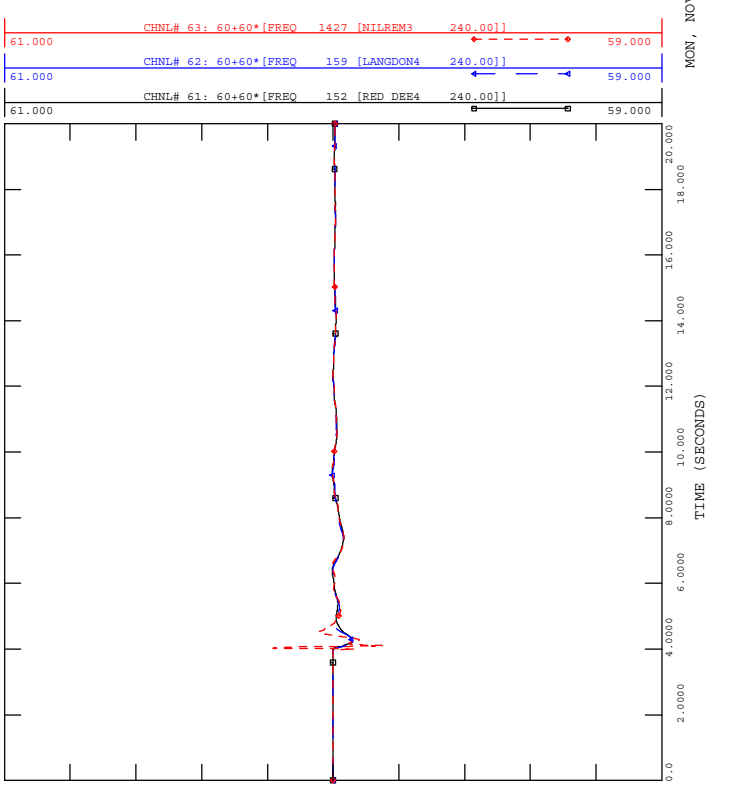


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

MON, NOV 21 2016 21:24

FREQUENCY

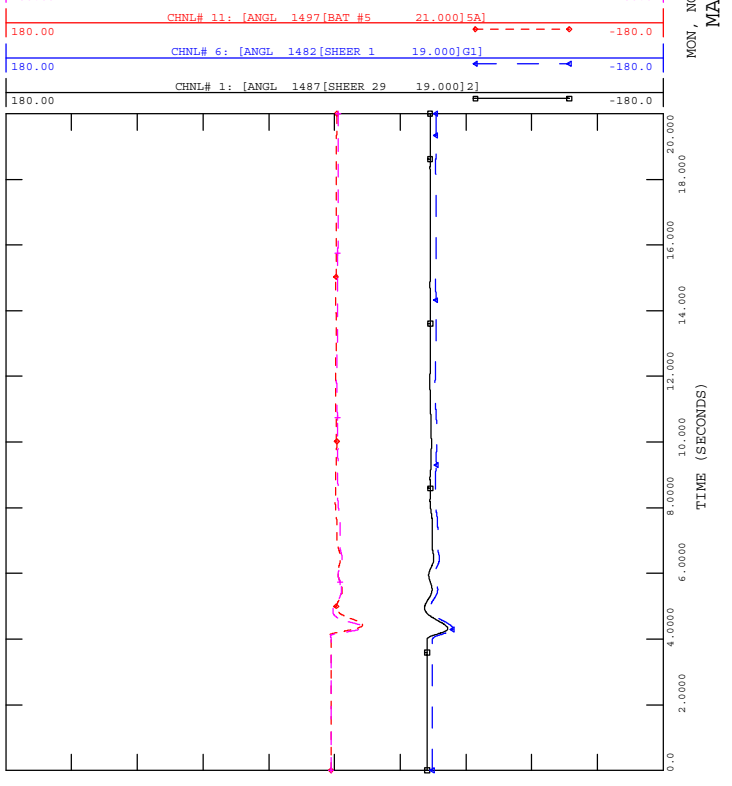


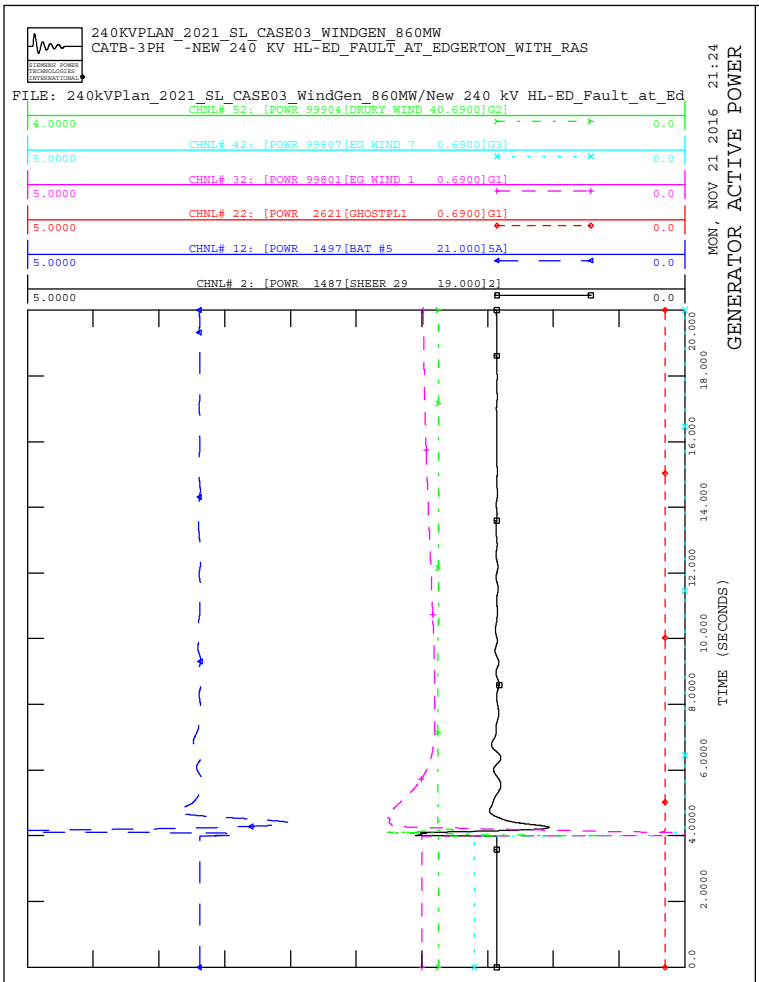
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

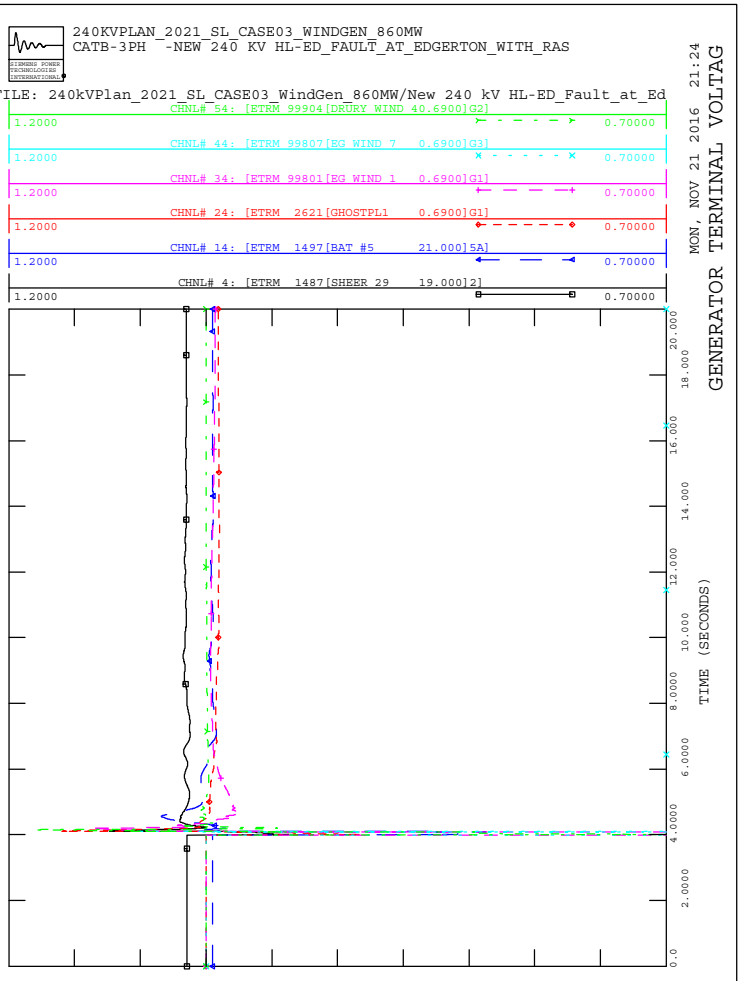
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

MON, NOV 21 2016 21:24

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 21:24
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
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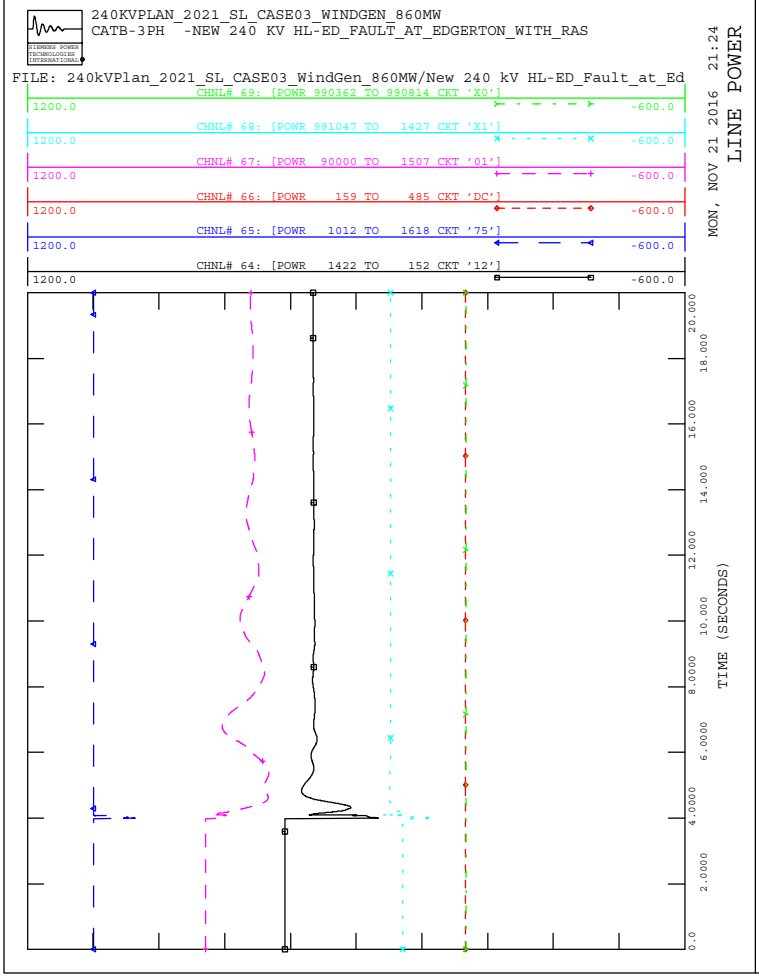
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 21:24
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)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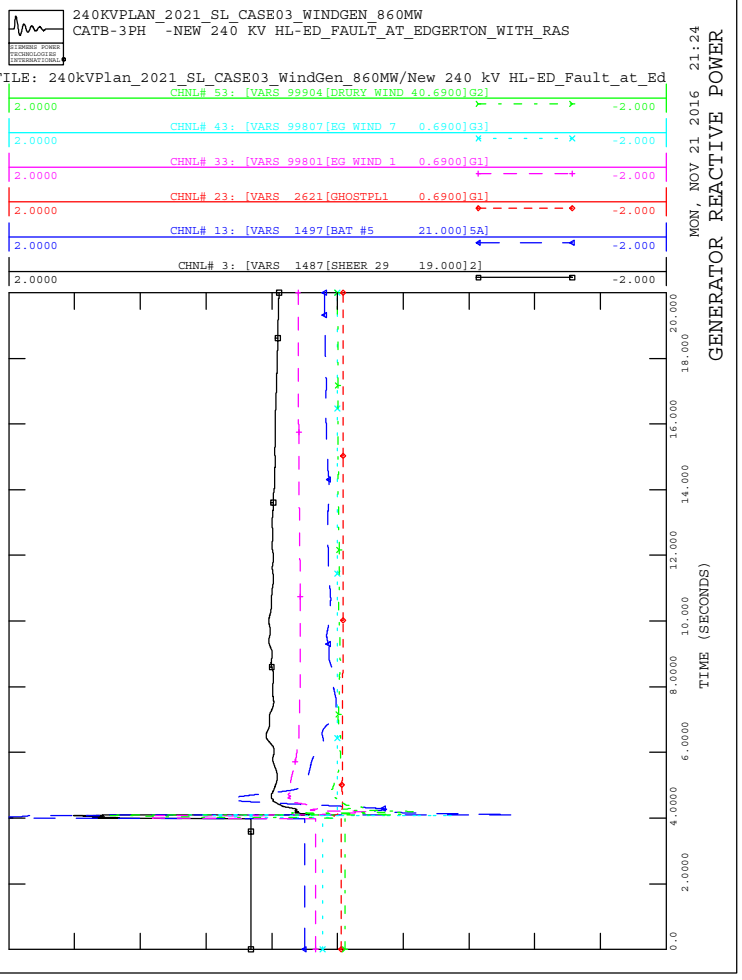
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 21:24
LINE POWER
TIME (SECONDS)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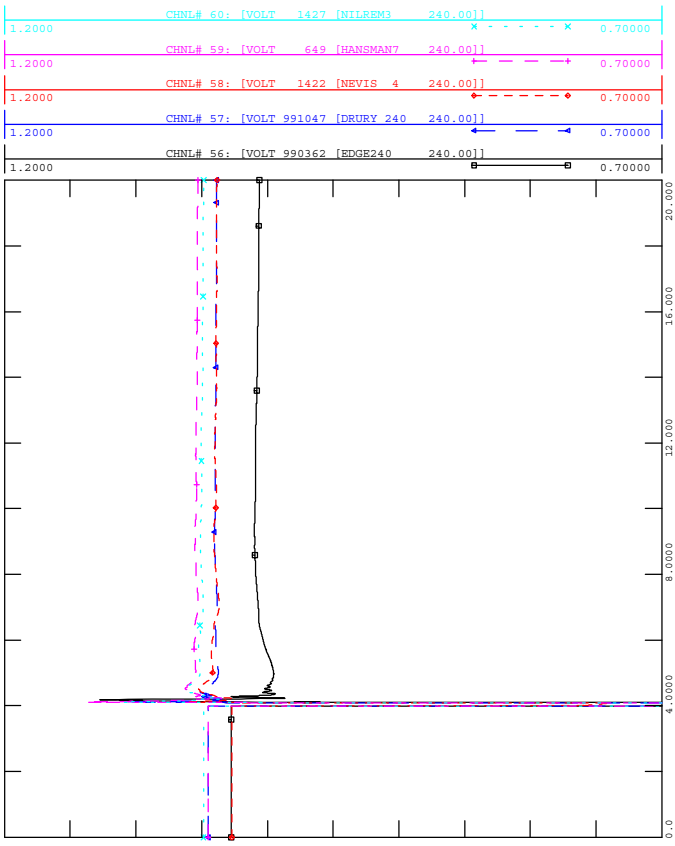
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

MON, NOV 21 2016 21:24

BUS VOLTAGE



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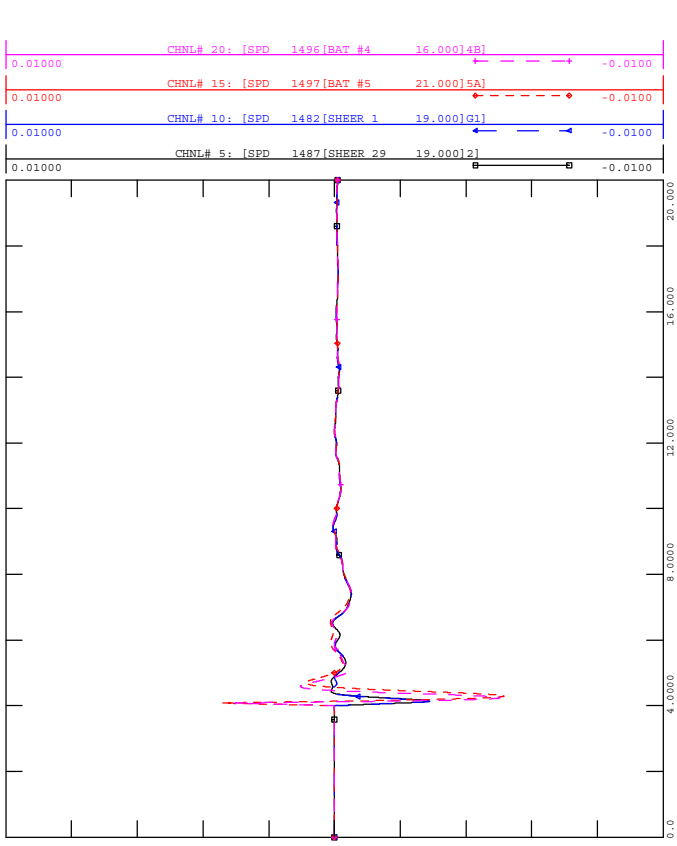
MON, NOV 21 2016 21:24

MACHINE SPEED



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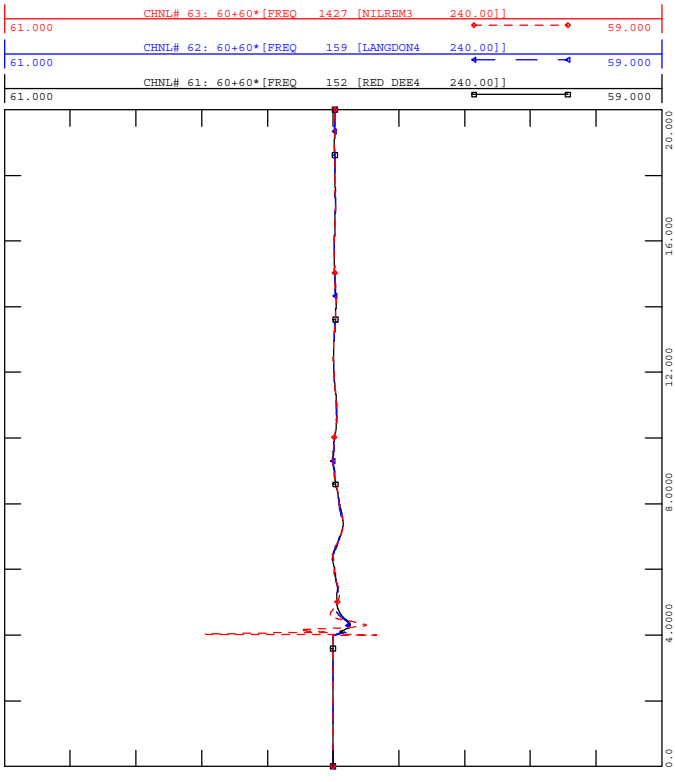
MON, NOV 21 2016 21:24

FREQUENCY



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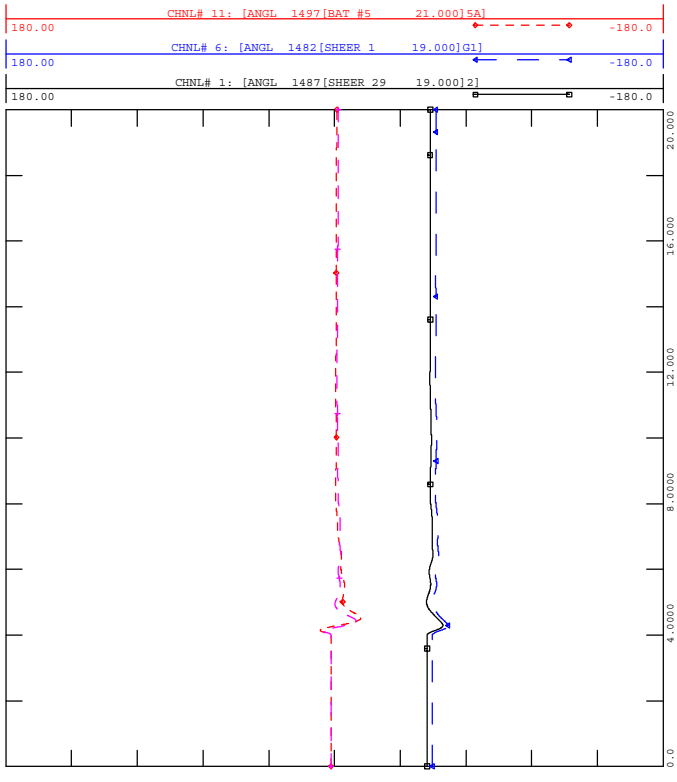
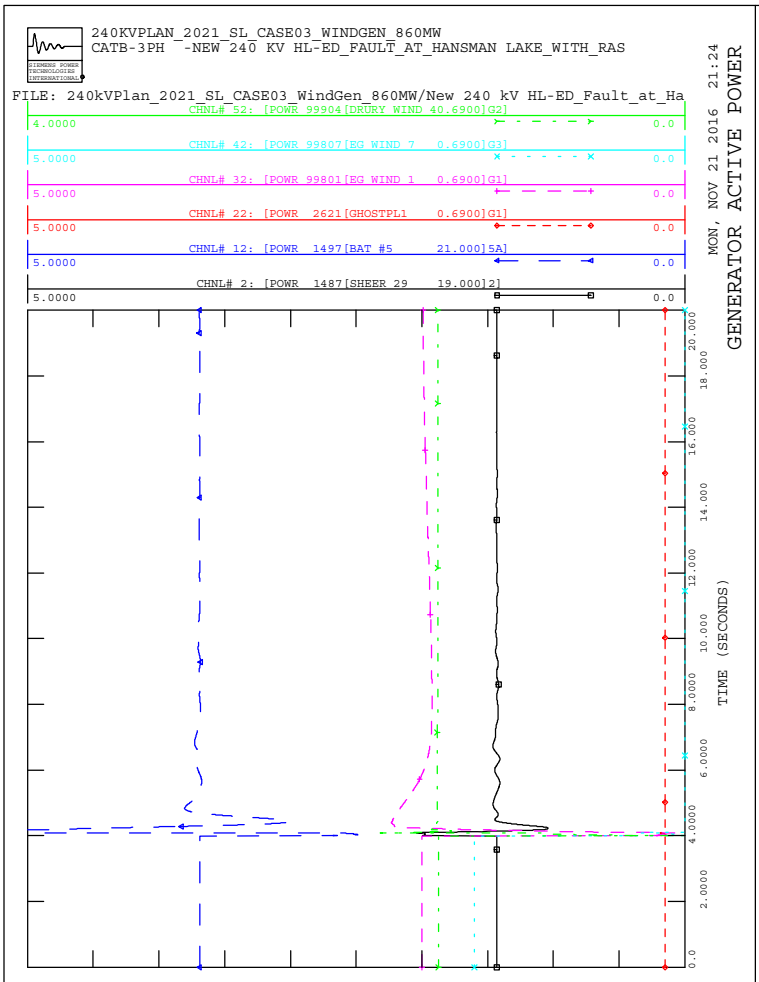
MON, NOV 21 2016 21:24

MACHINE ANGEL

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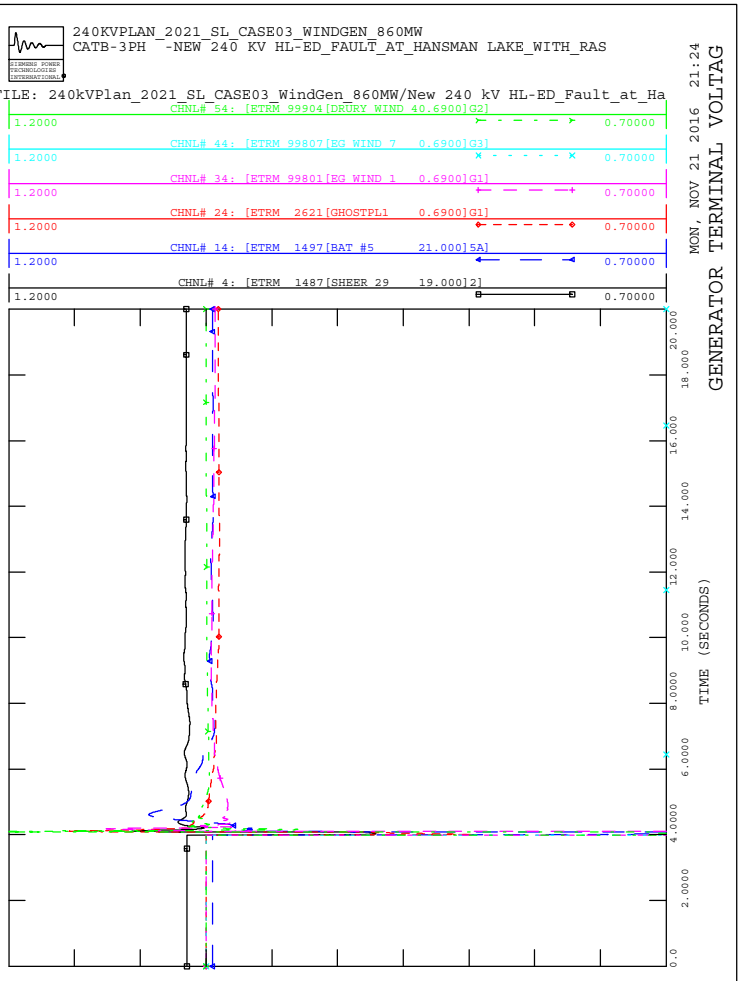
GENERATOR ACTIVE POWER
TIME (SECONDS)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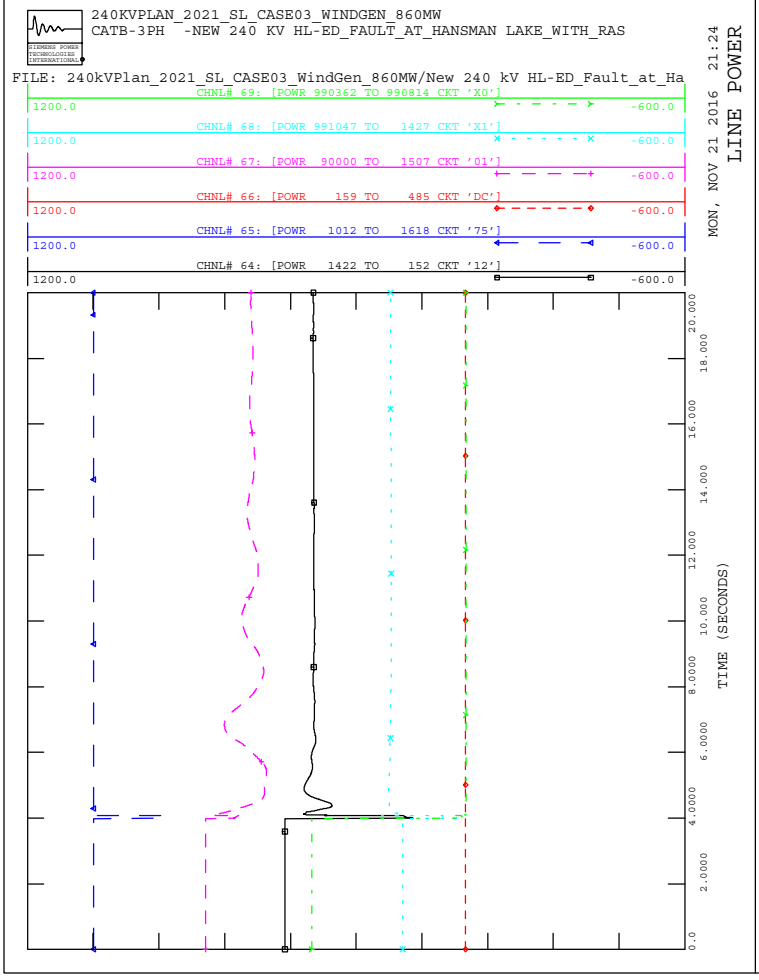
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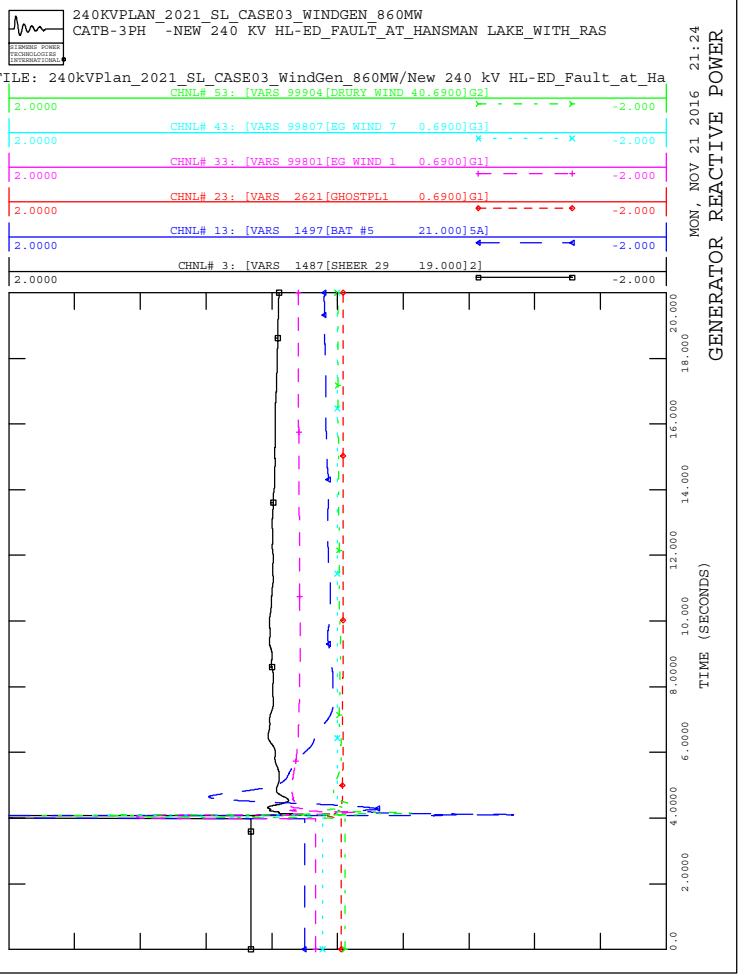
LINE POWER
TIME (SECONDS)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MON, NOV 21 2016 21:24
GENERATOR REACTIVE POWER
TIME (SECONDS)

Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Winter Peak

RAS Simulation: Trip Edgerton Wind Farm #3 (160 MW) Post-Contingency

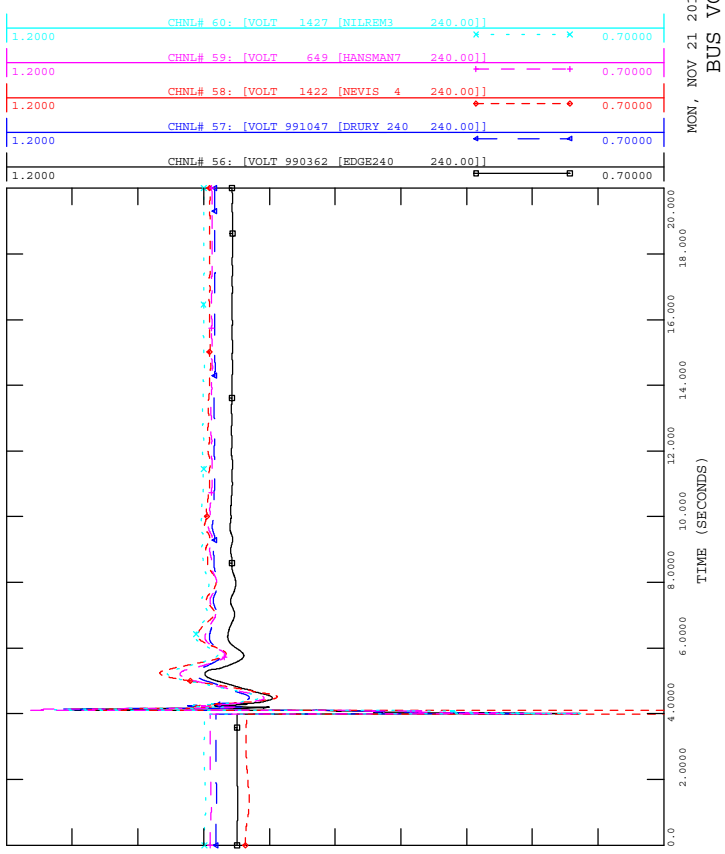
Category B (Three-phase-to-ground Fault)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

MON, NOV 21 2016 21:24

BUS VOLTAGE

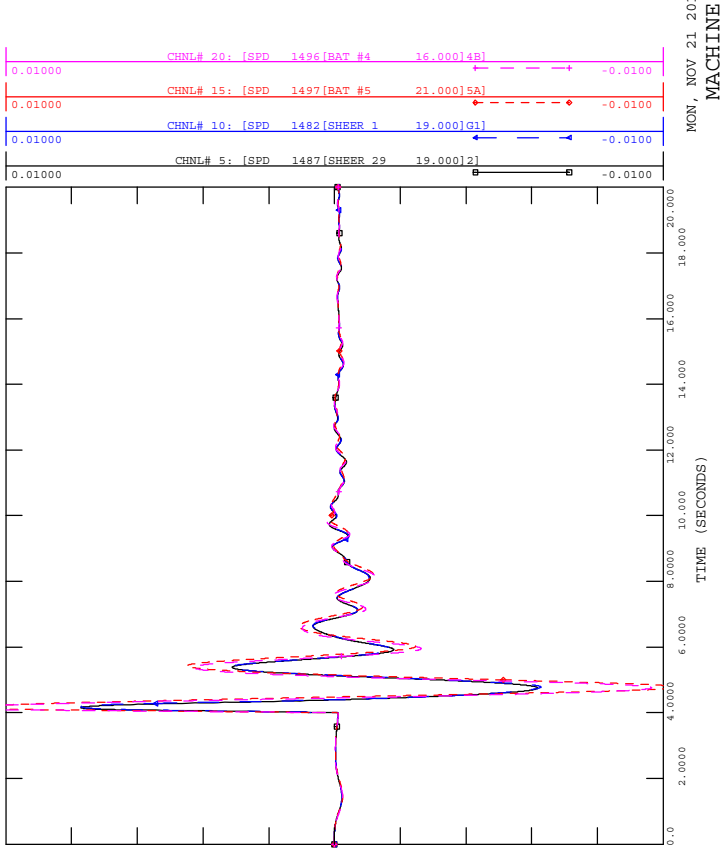


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

MON, NOV 21 2016 21:24

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
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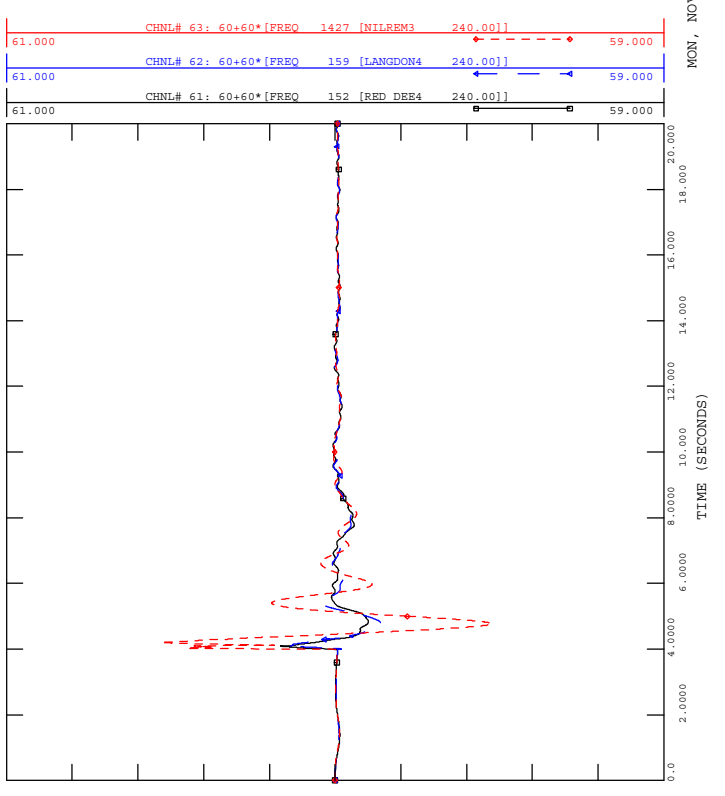

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_NEVIS 766S_WITH_RAS

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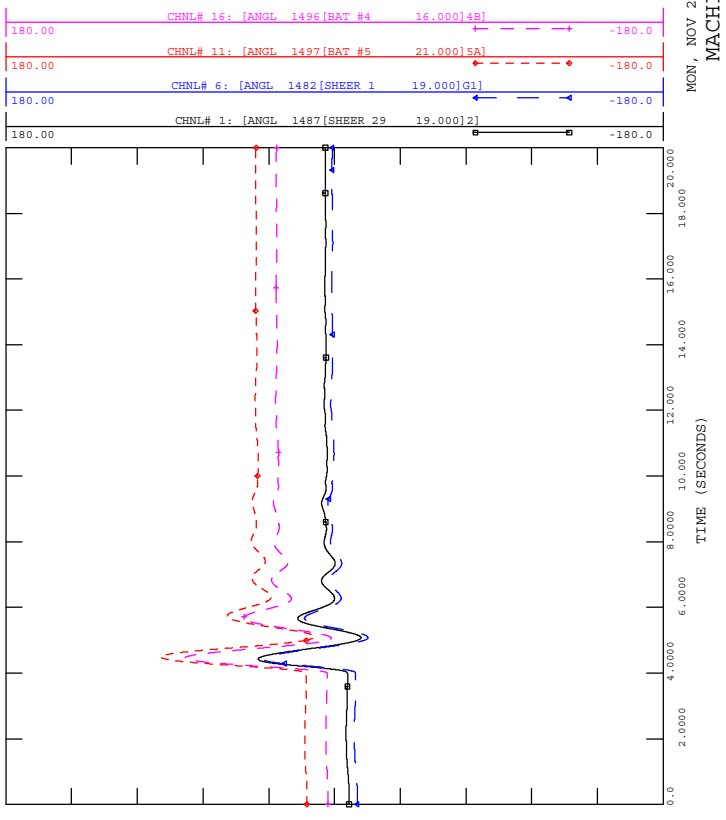
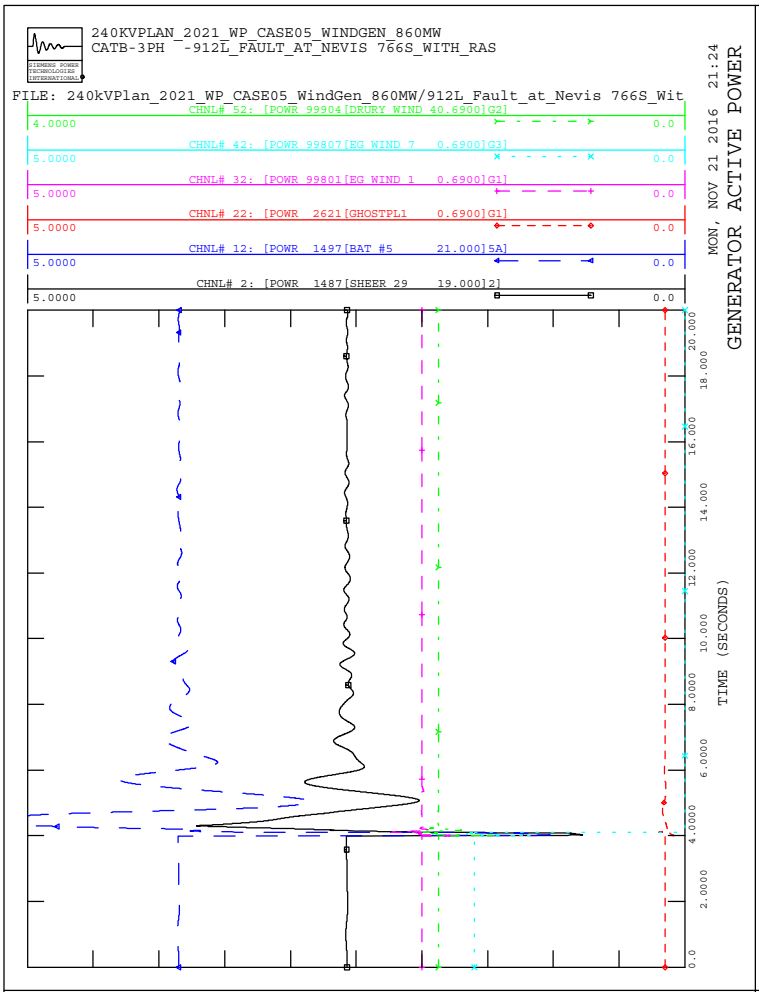
MACHINE ANGEL

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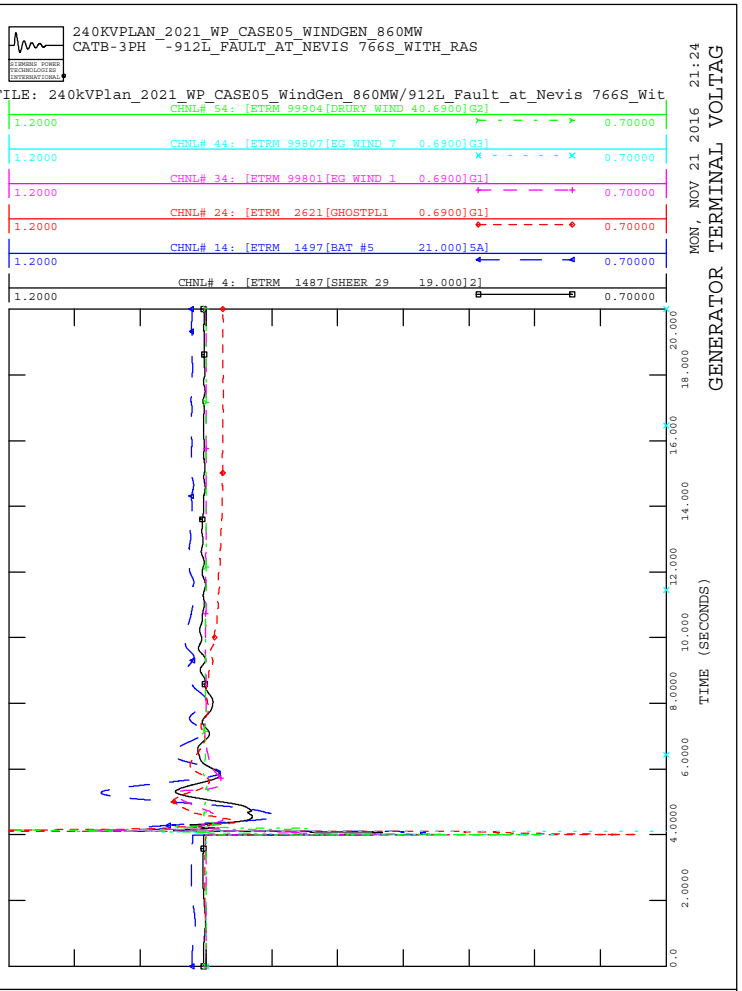
GENERATOR ACTIVE POWER
TIME (SECONDS)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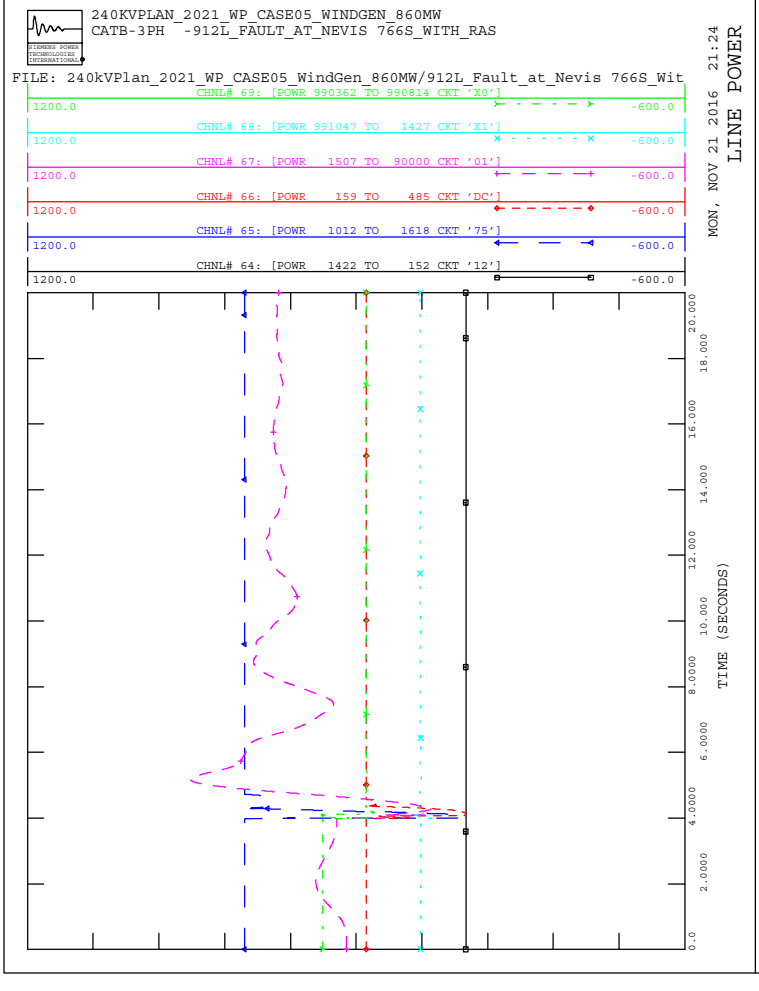
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)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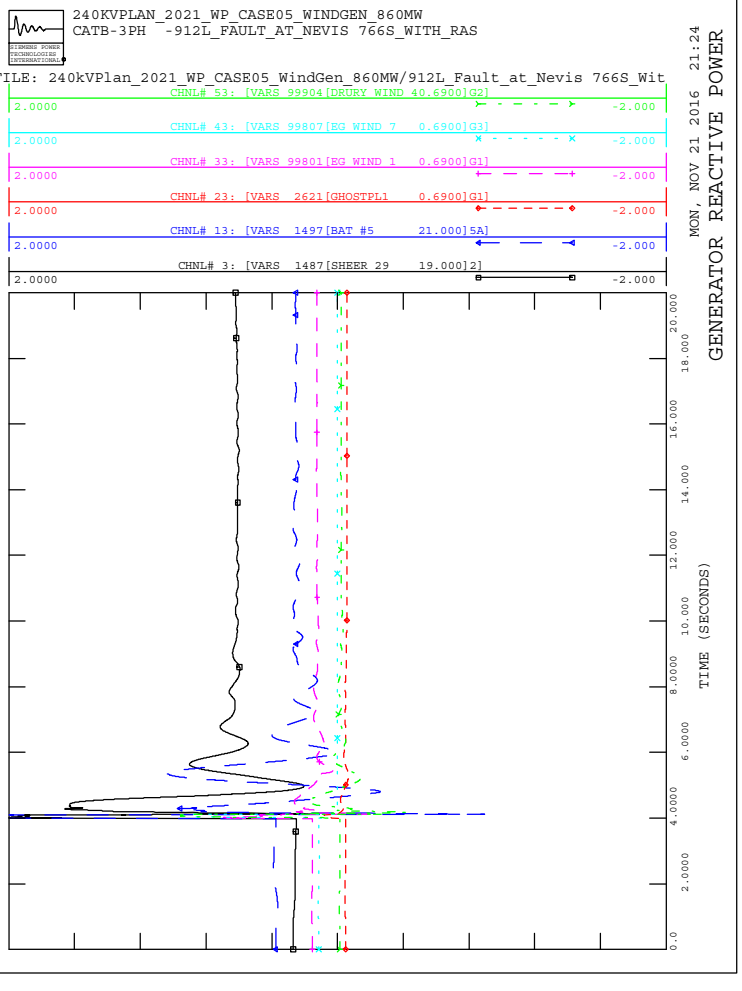
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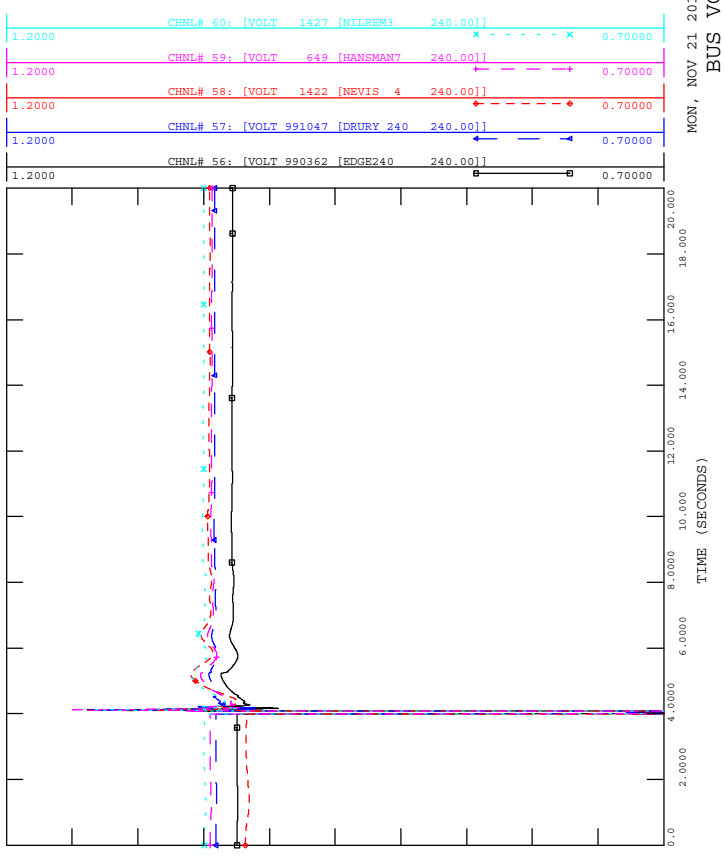
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

MON, NOV 21 2016 21:24

BUS VOLTAGE



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FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

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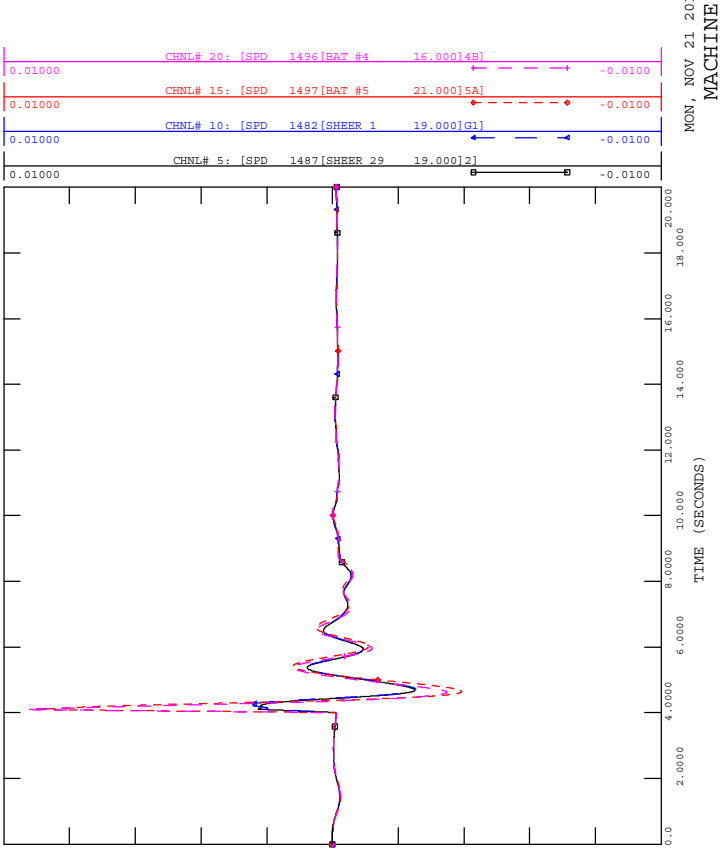
MACHINE SPEED



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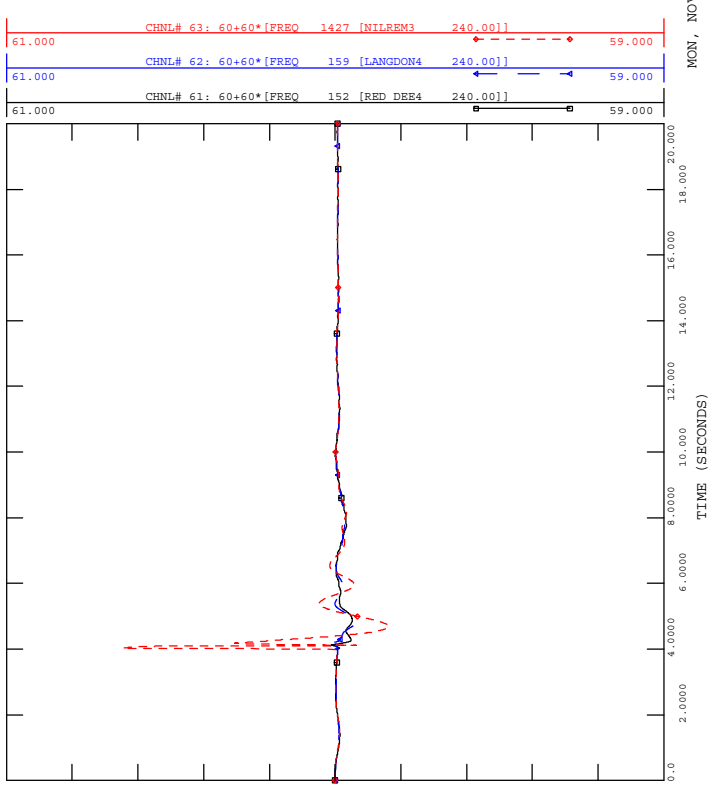

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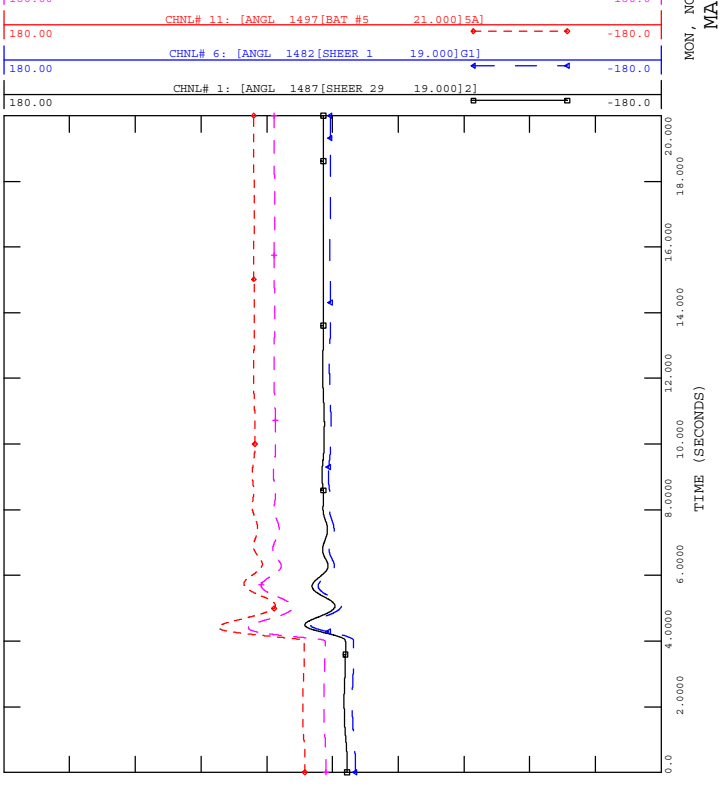

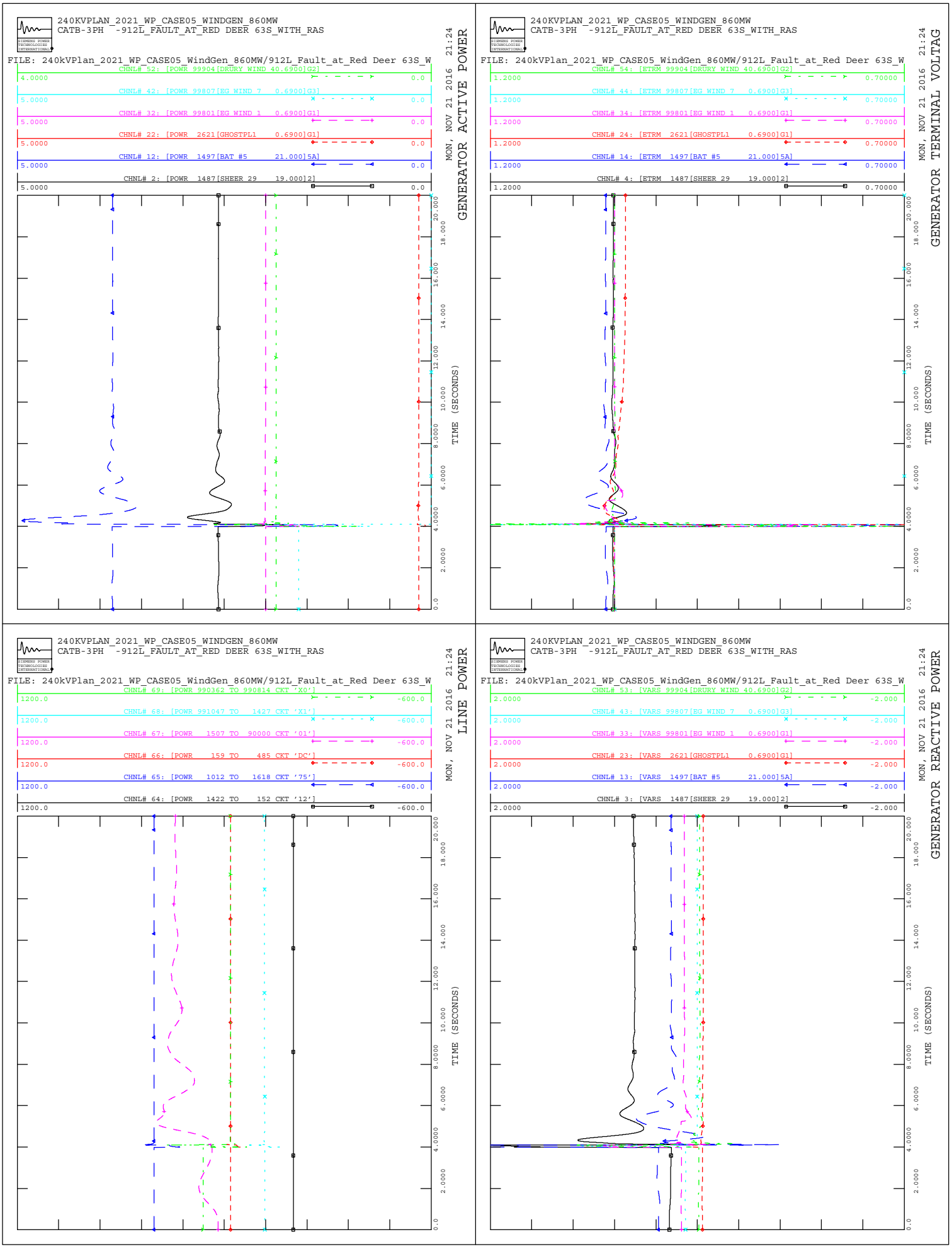
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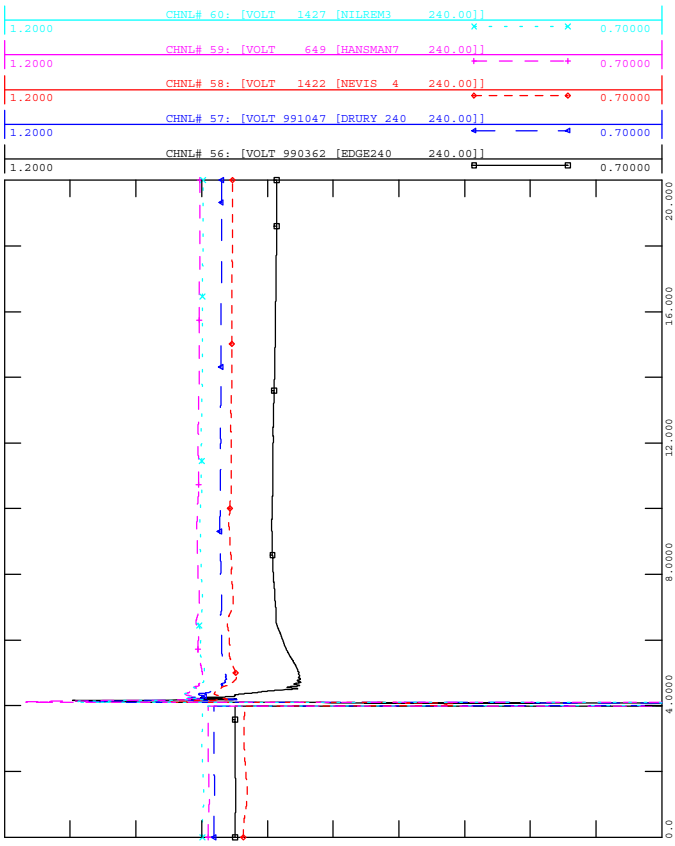
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
MON, NOV 21 2016 21:24
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

MON, NOV 21 2016 21:24

BUS VOLTAGE

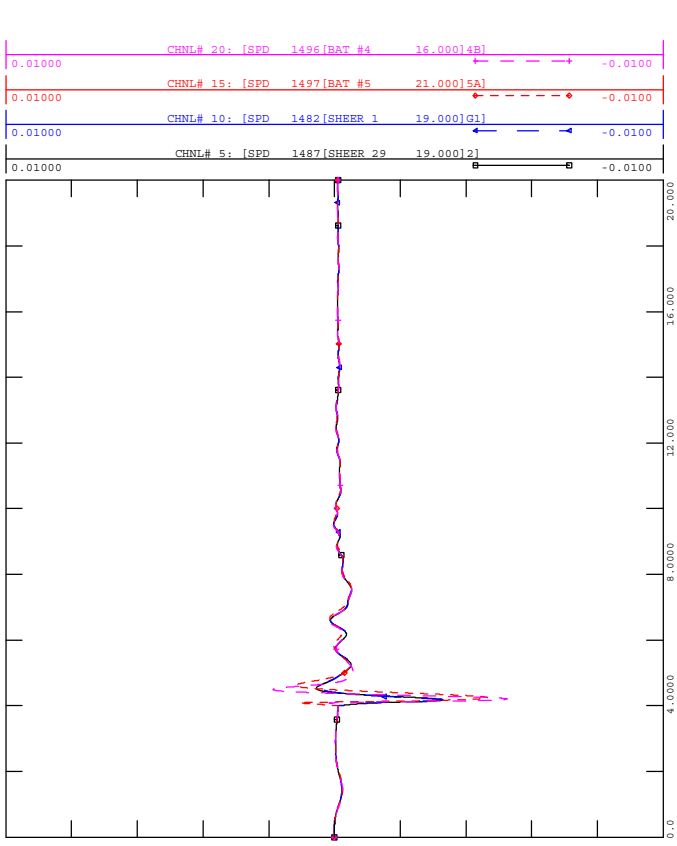


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

MON, NOV 21 2016 21:24

MACHINE SPEED



240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

MON, NOV 21 2016 21:24

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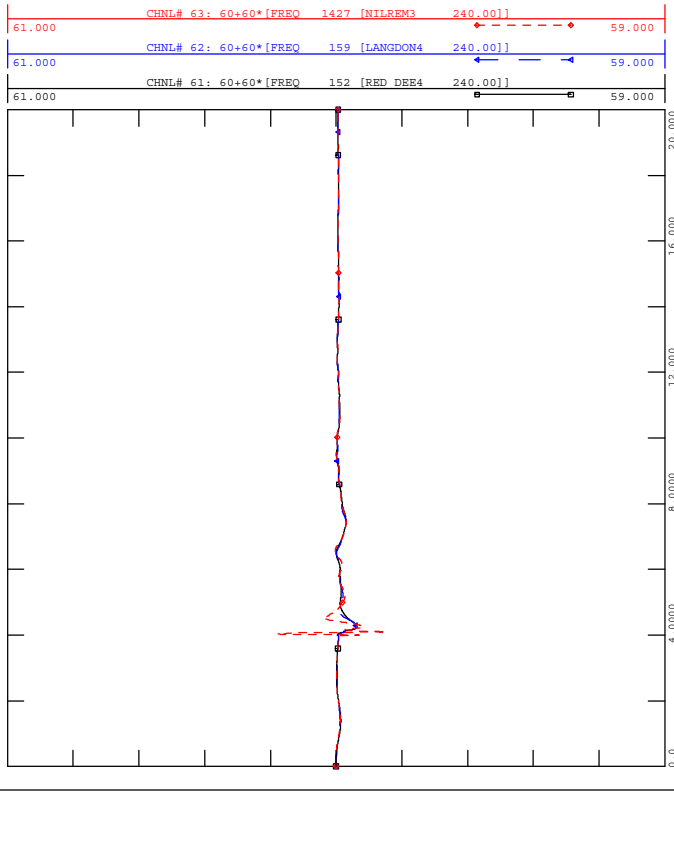
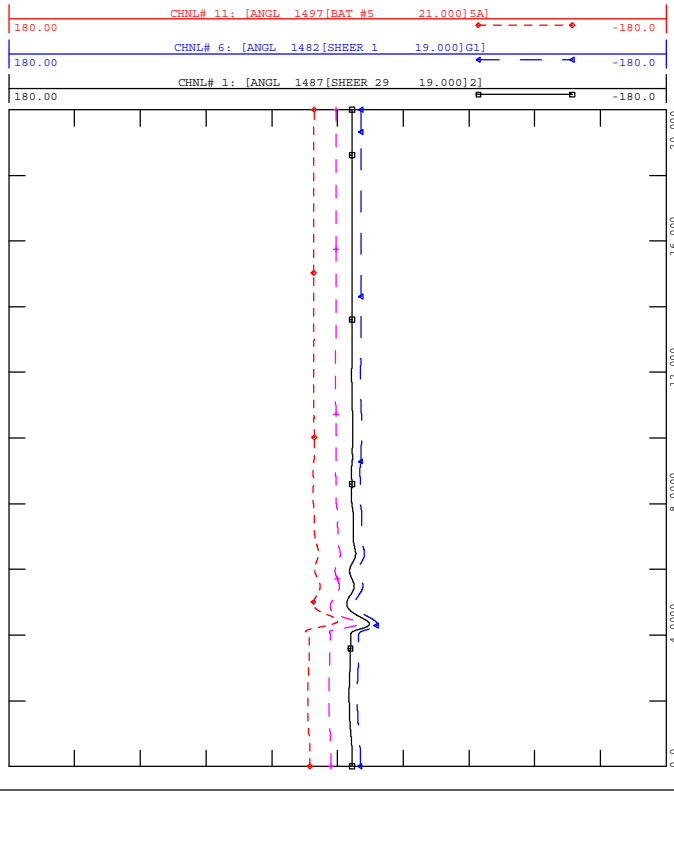


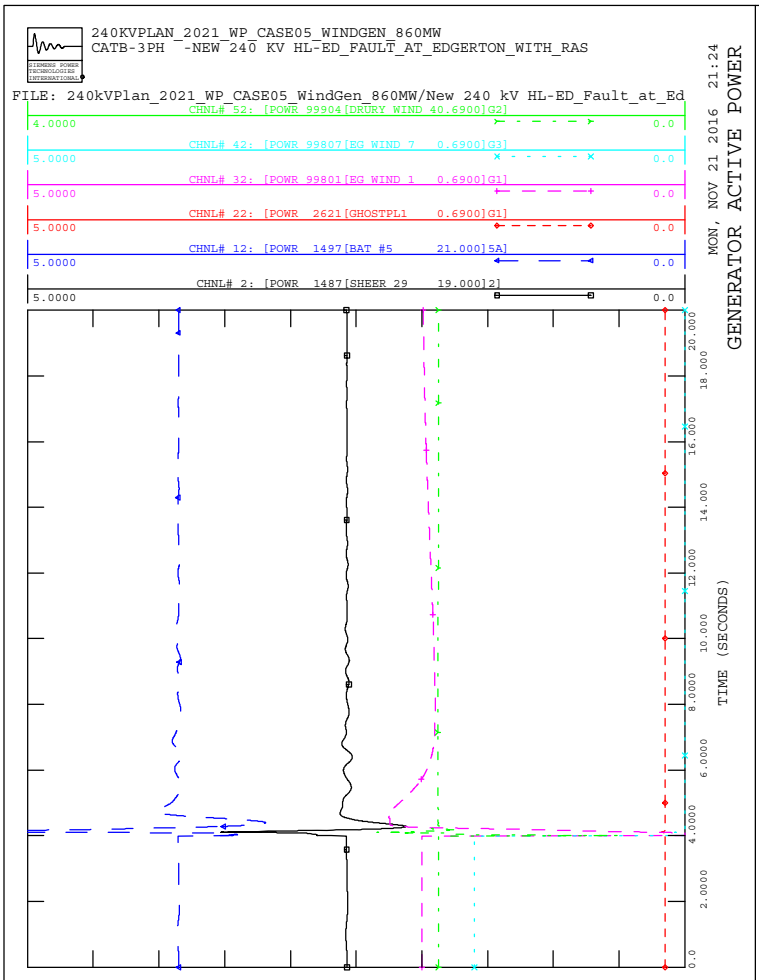
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

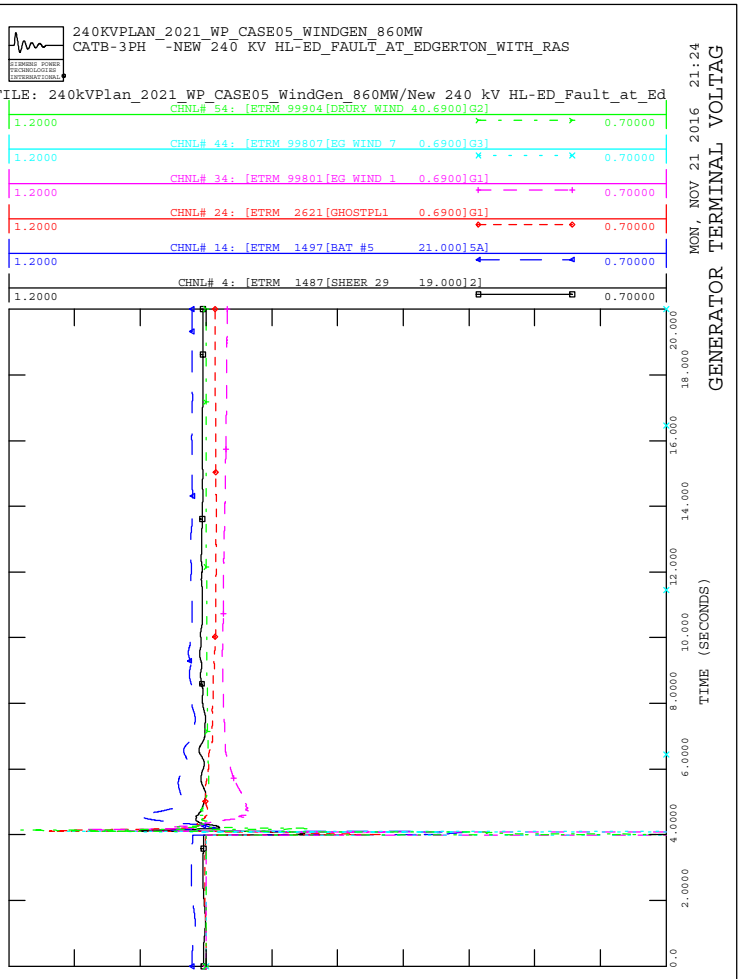
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

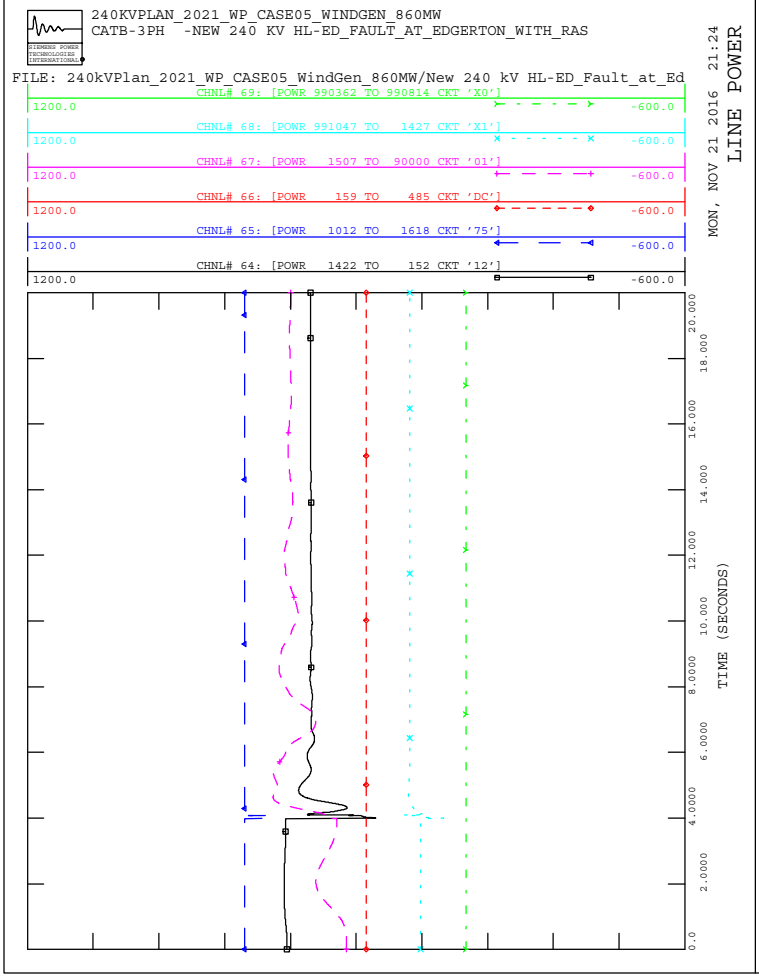
MON, NOV 21 2016 21:24

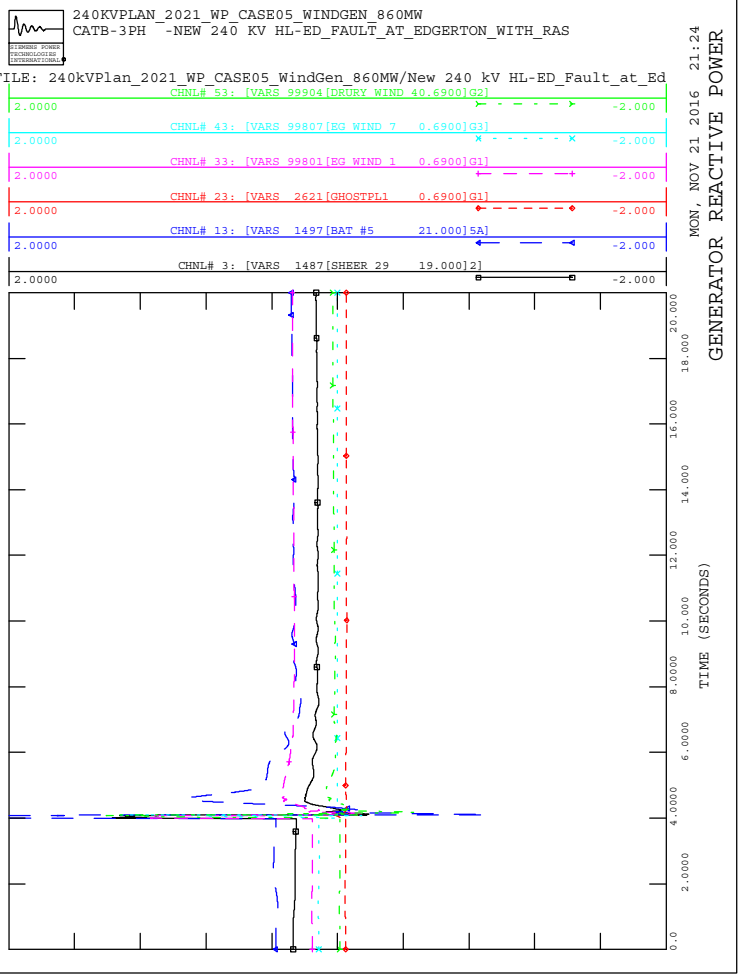
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 21:24
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 21:24
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 21:24
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
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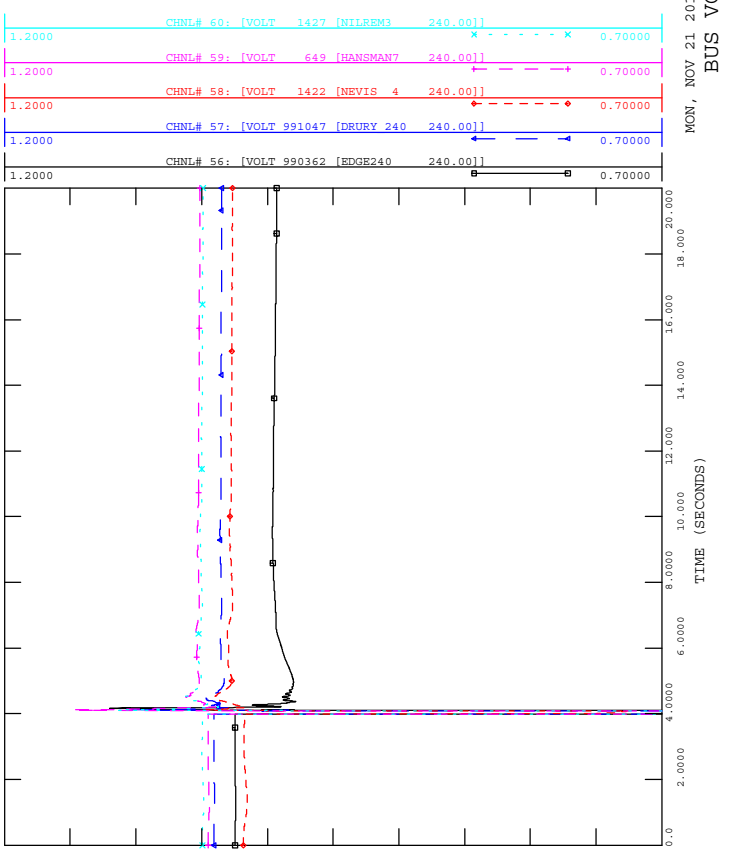
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 21:24
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

MON, NOV 21 2016 21:24

BUS VOLTAGE

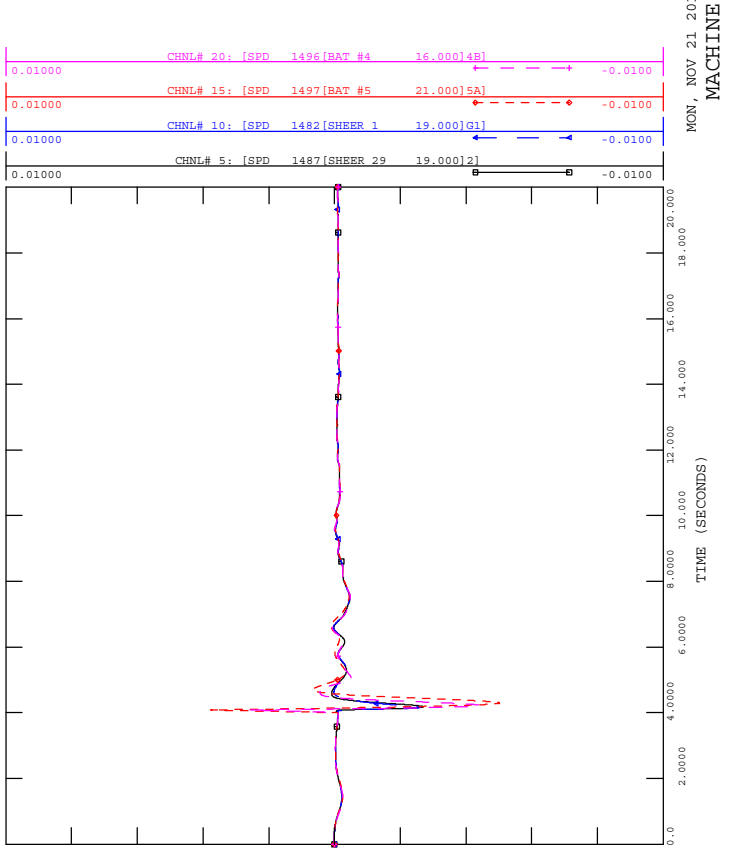


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

MON, NOV 21 2016 21:24

MACHINE SPEED

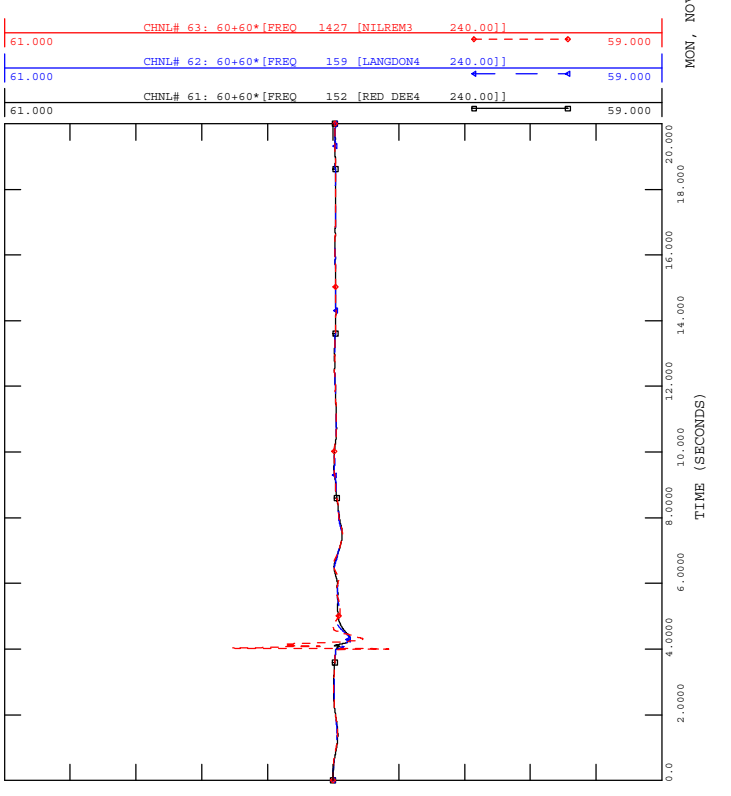


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

MON, NOV 21 2016 21:24

FREQUENCY

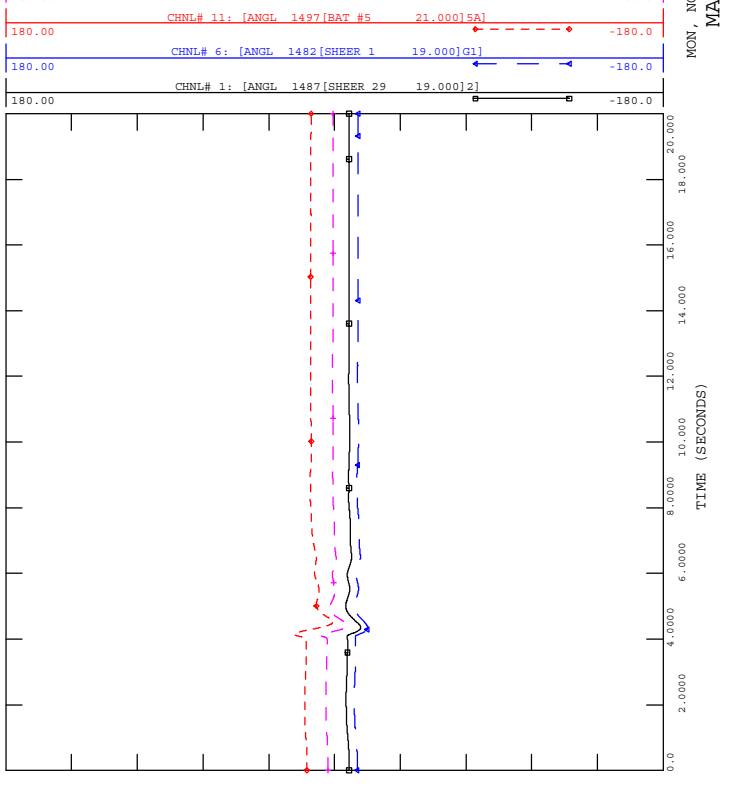


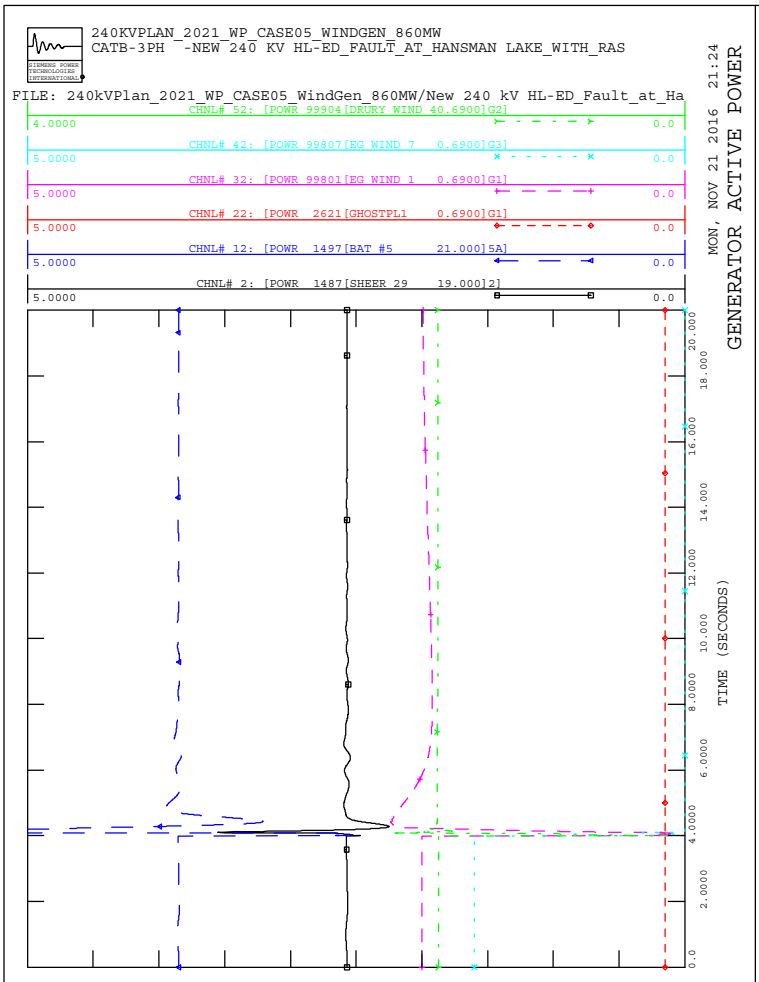
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

MON, NOV 21 2016 21:24

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS
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CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
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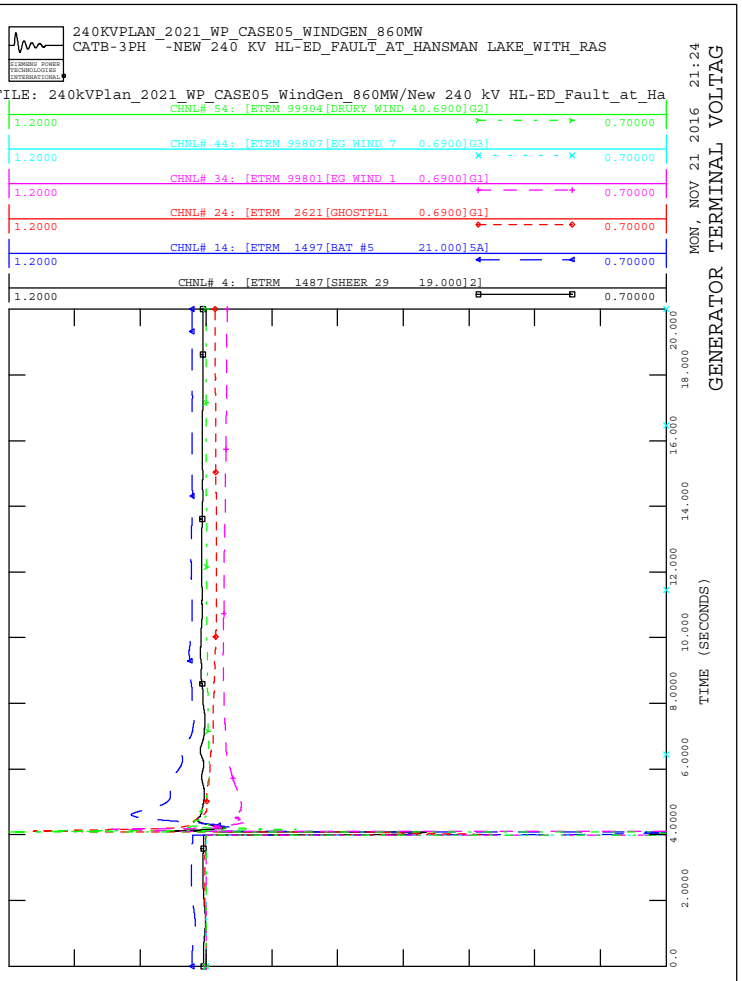
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 21:24
GENERATOR ACTIVE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
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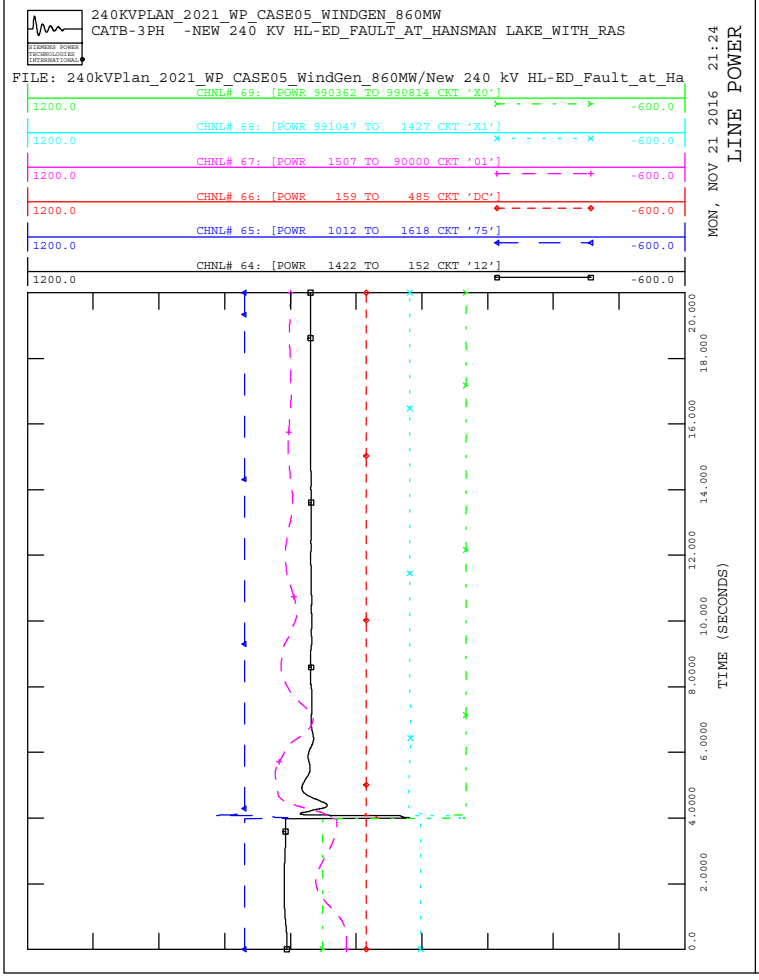
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 21:24
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha
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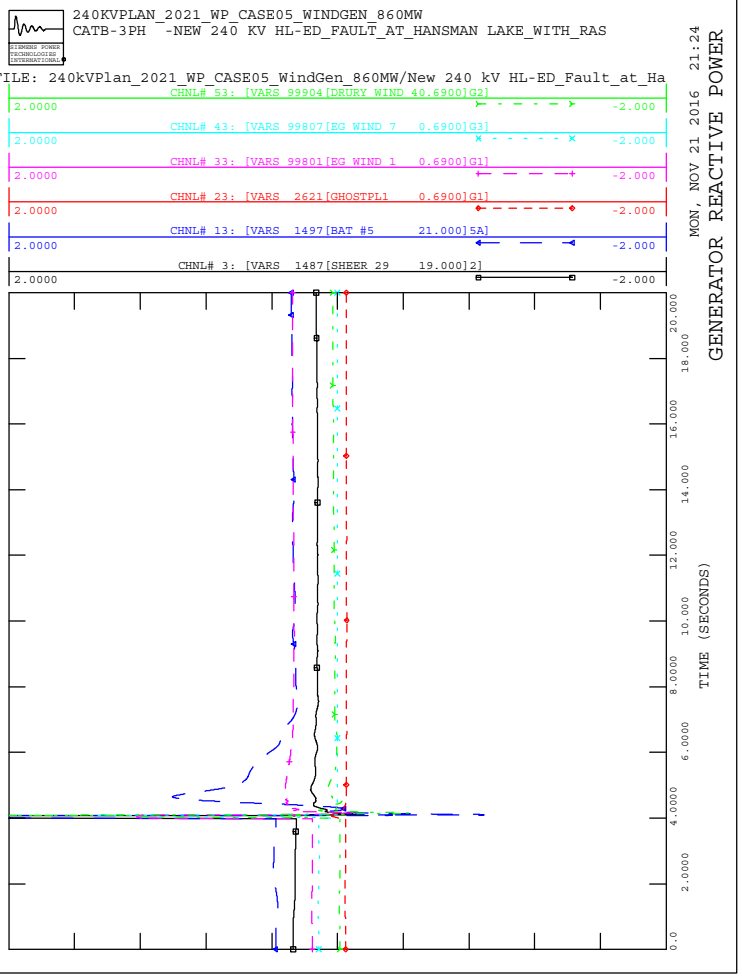
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
MON, NOV 21 2016 21:24
LINE POWER
TIME (SECONDS)


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-3PH -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
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CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
MON, NOV 21 2016 21:24
GENERATOR REACTIVE POWER
TIME (SECONDS)

Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Summer Light

RAS Simulation: Trip Edgerton Wind Farm #3 (160 MW) Post-Contingency

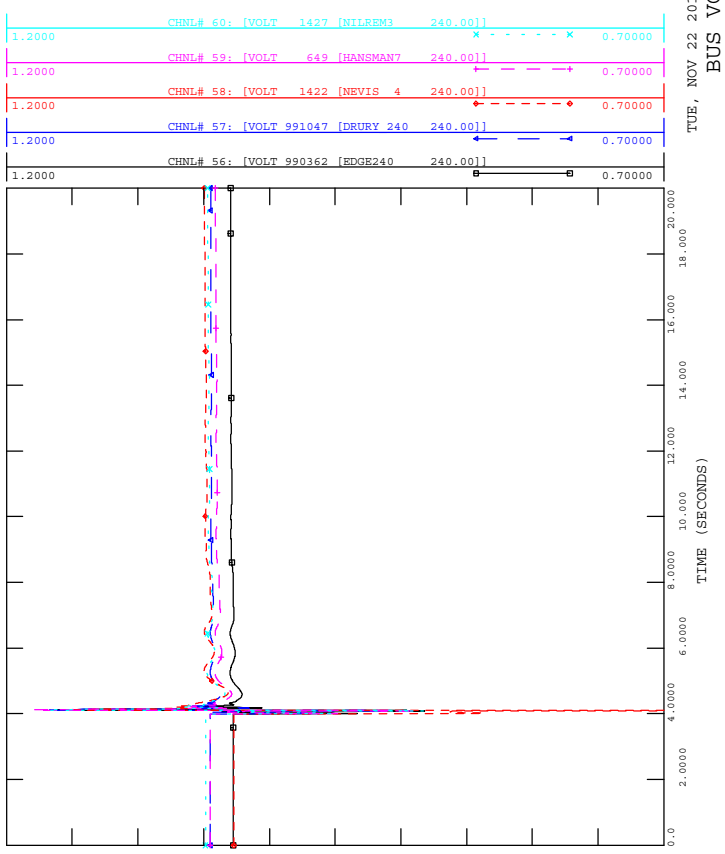
Category B (Single-line-to-ground Fault)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

TUE, NOV 22 2016 9:43

BUS VOLTAGE

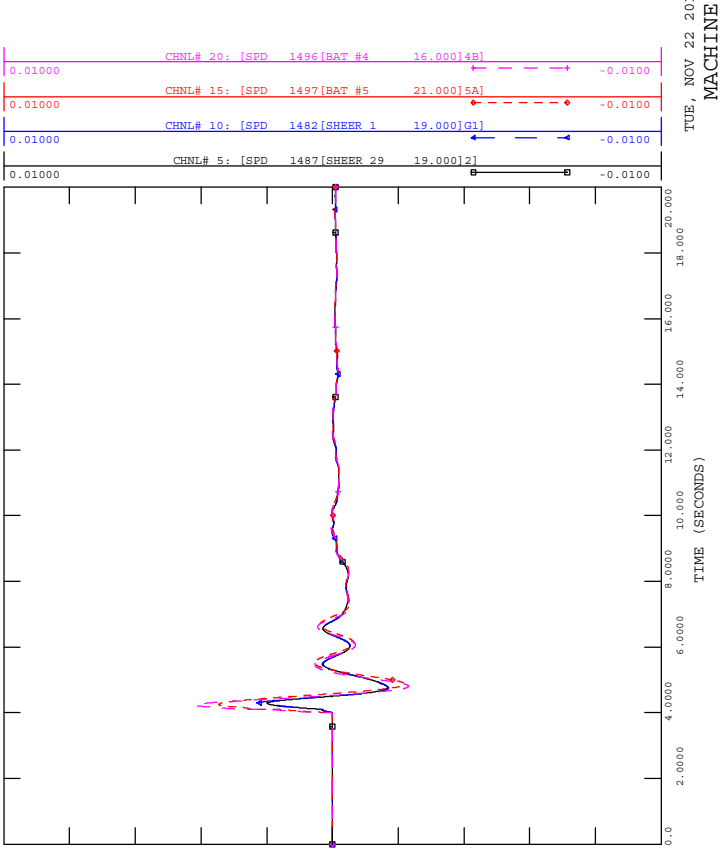


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

TUE, NOV 22 2016 9:43

MACHINE SPEED

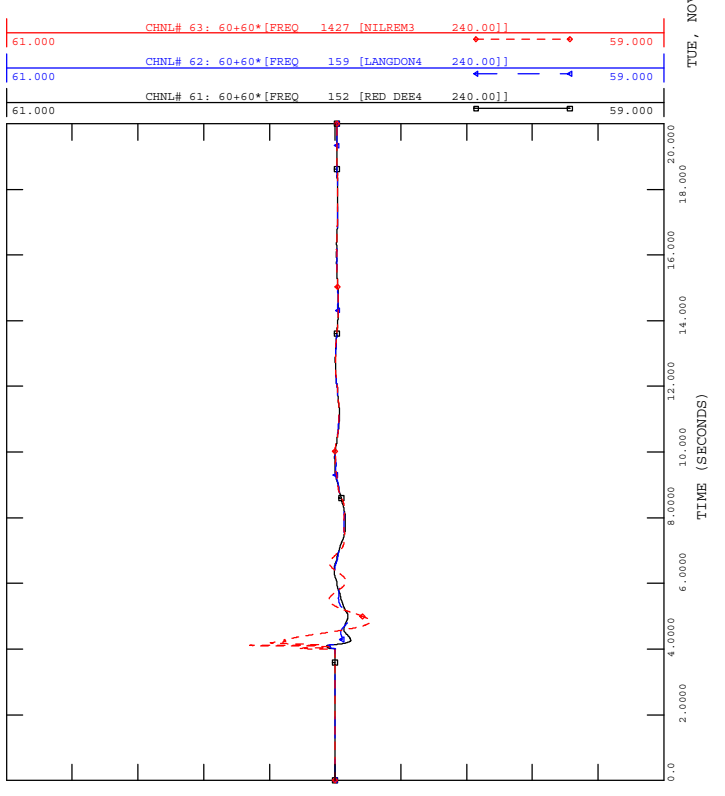


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

TUE, NOV 22 2016 9:43

FREQUENCY

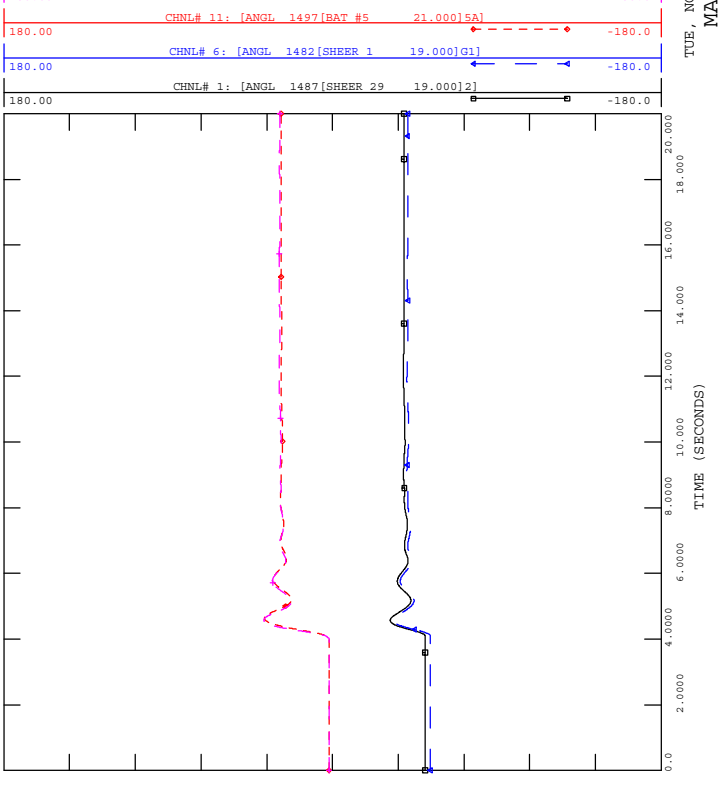


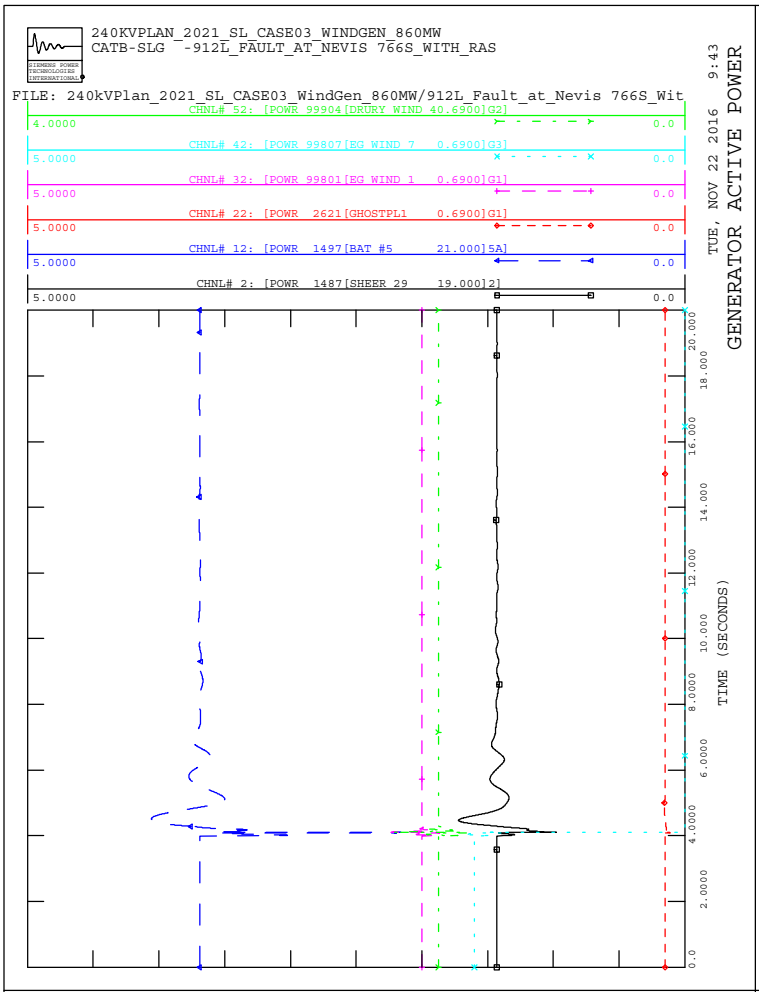
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS

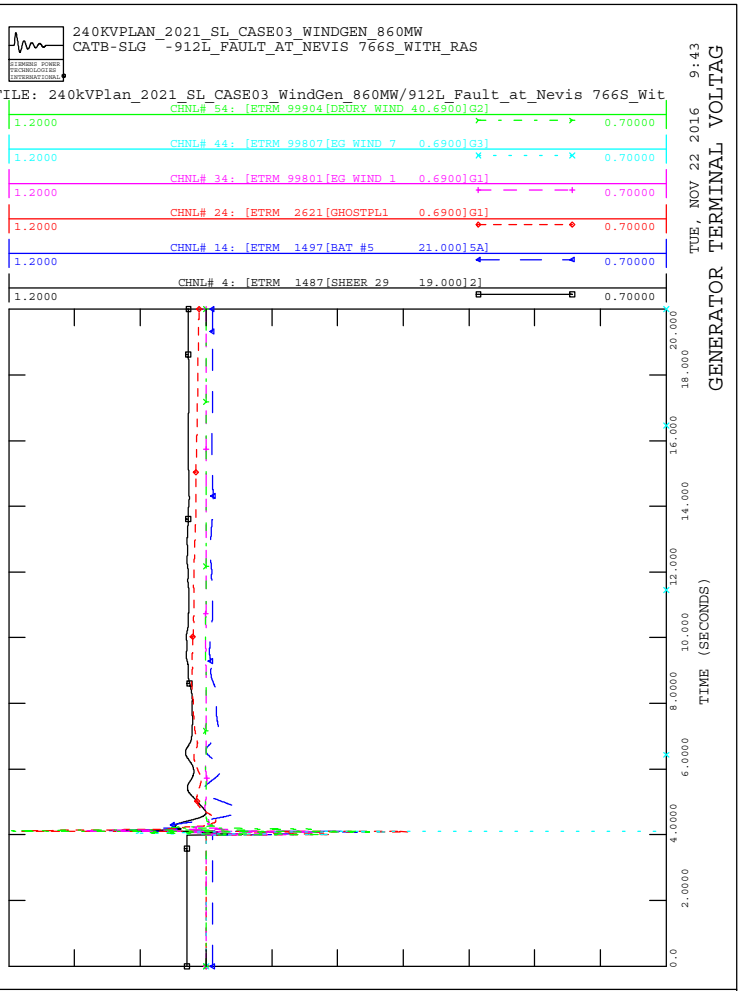
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

TUE, NOV 22 2016 9:43

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
TUE, NOV 22 2016 9:43
GENERATOR ACTIVE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
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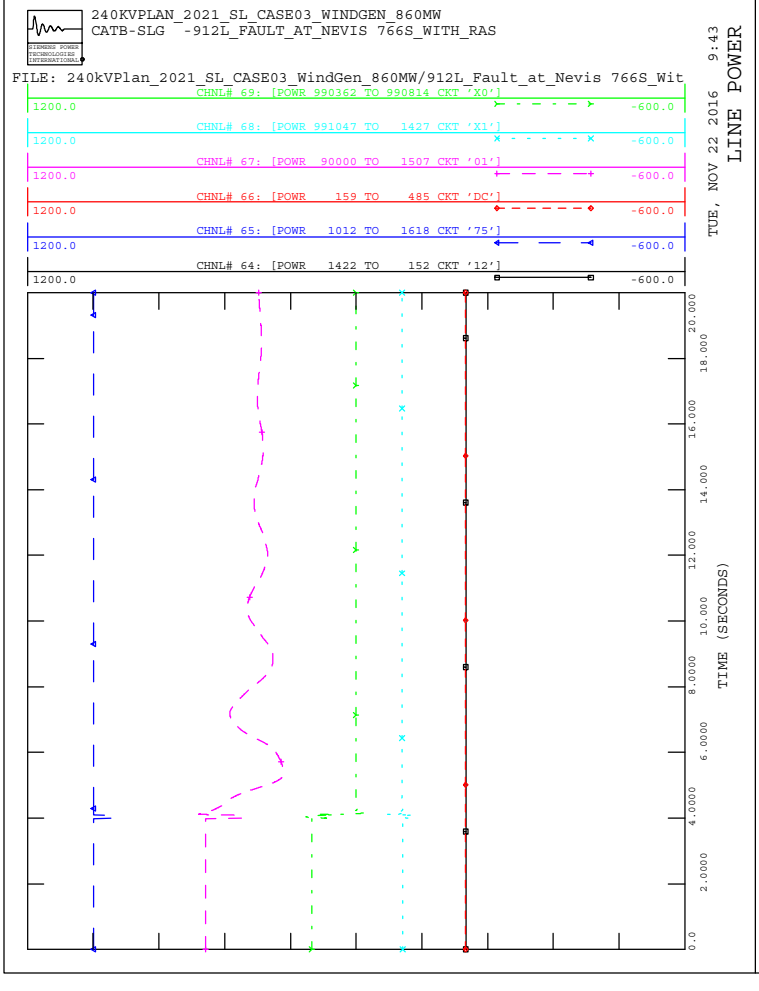
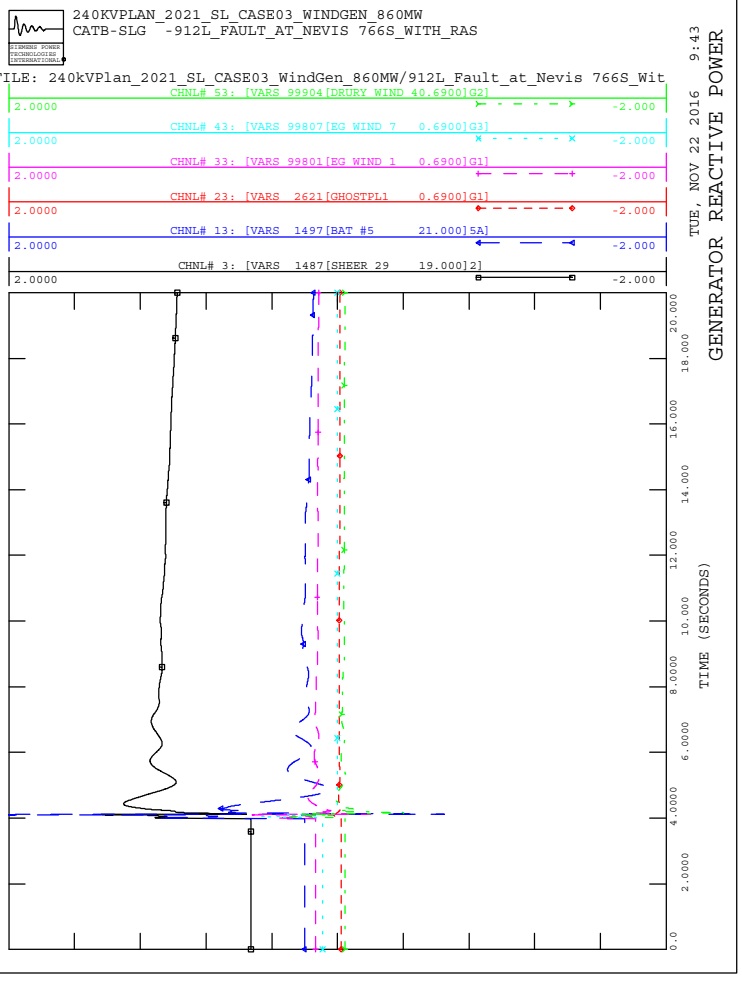
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
TUE, NOV 22 2016 9:43
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
TUE, NOV 22 2016 9:43
LINE POWER


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit
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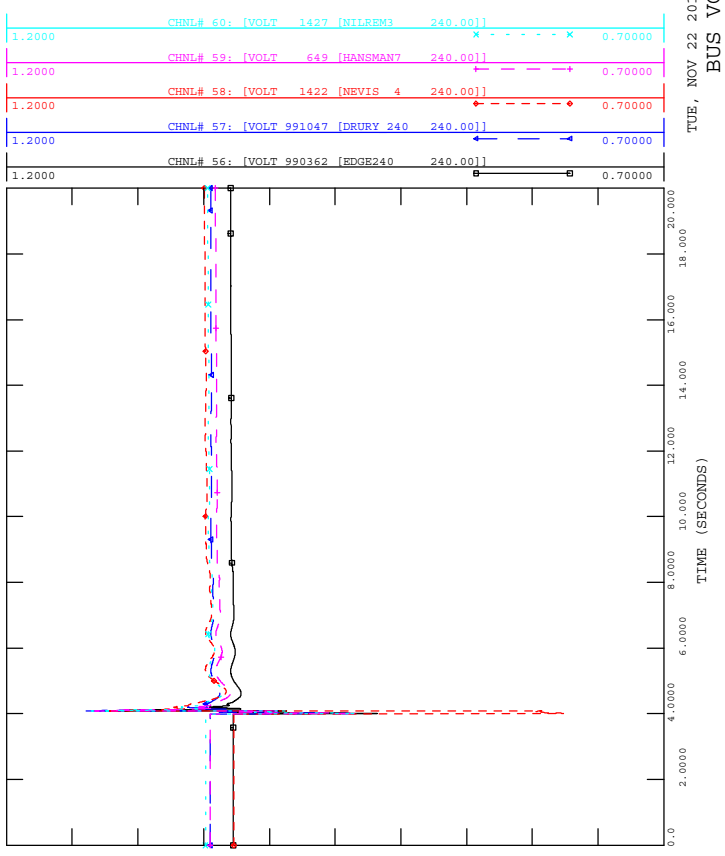
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
TUE, NOV 22 2016 9:43
GENERATOR REACTIVE POWER

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

TUE, NOV 22 2016 9:43

BUS VOLTAGE

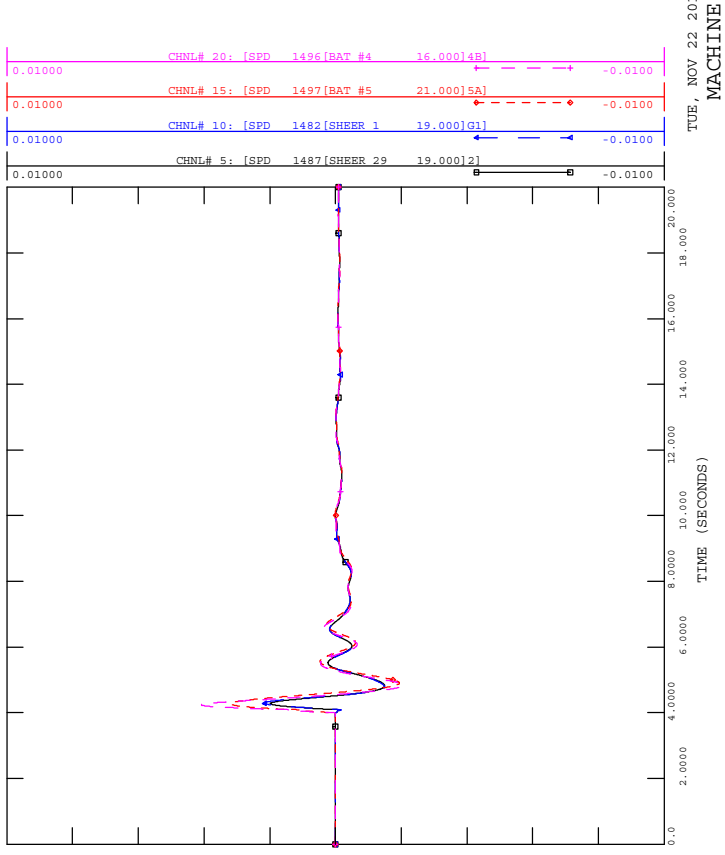


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

TUE, NOV 22 2016 9:43

MACHINE SPEED

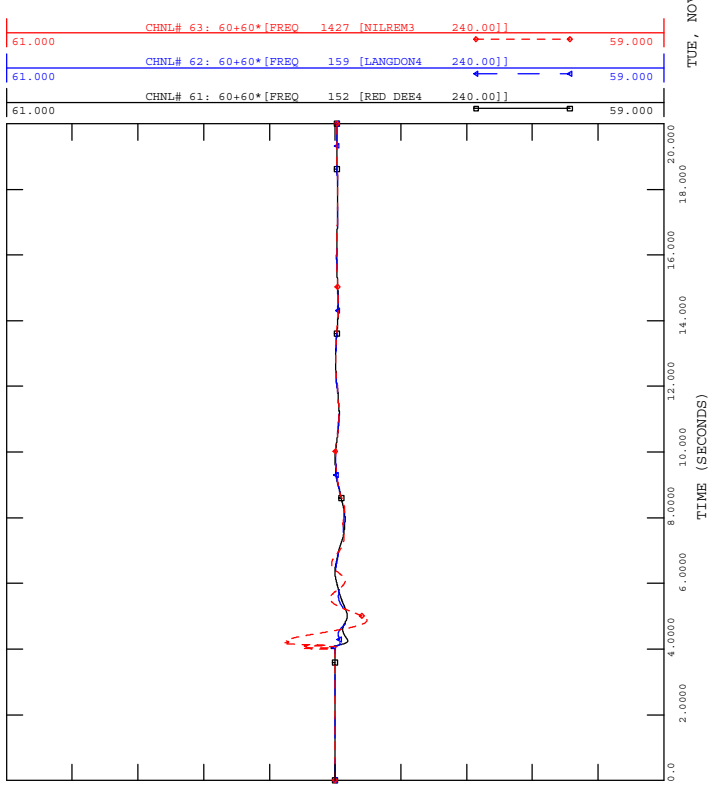


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

TUE, NOV 22 2016 9:43

FREQUENCY

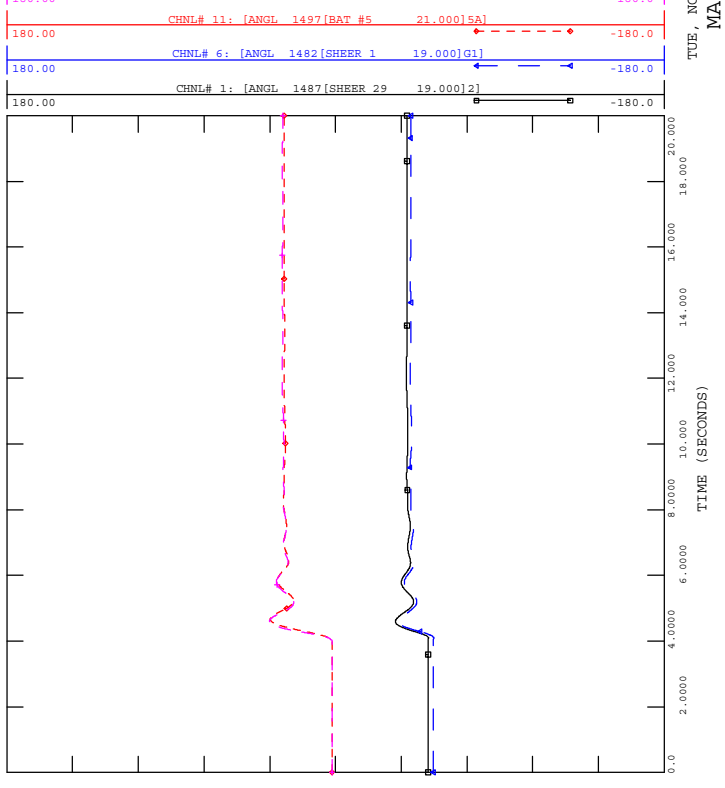


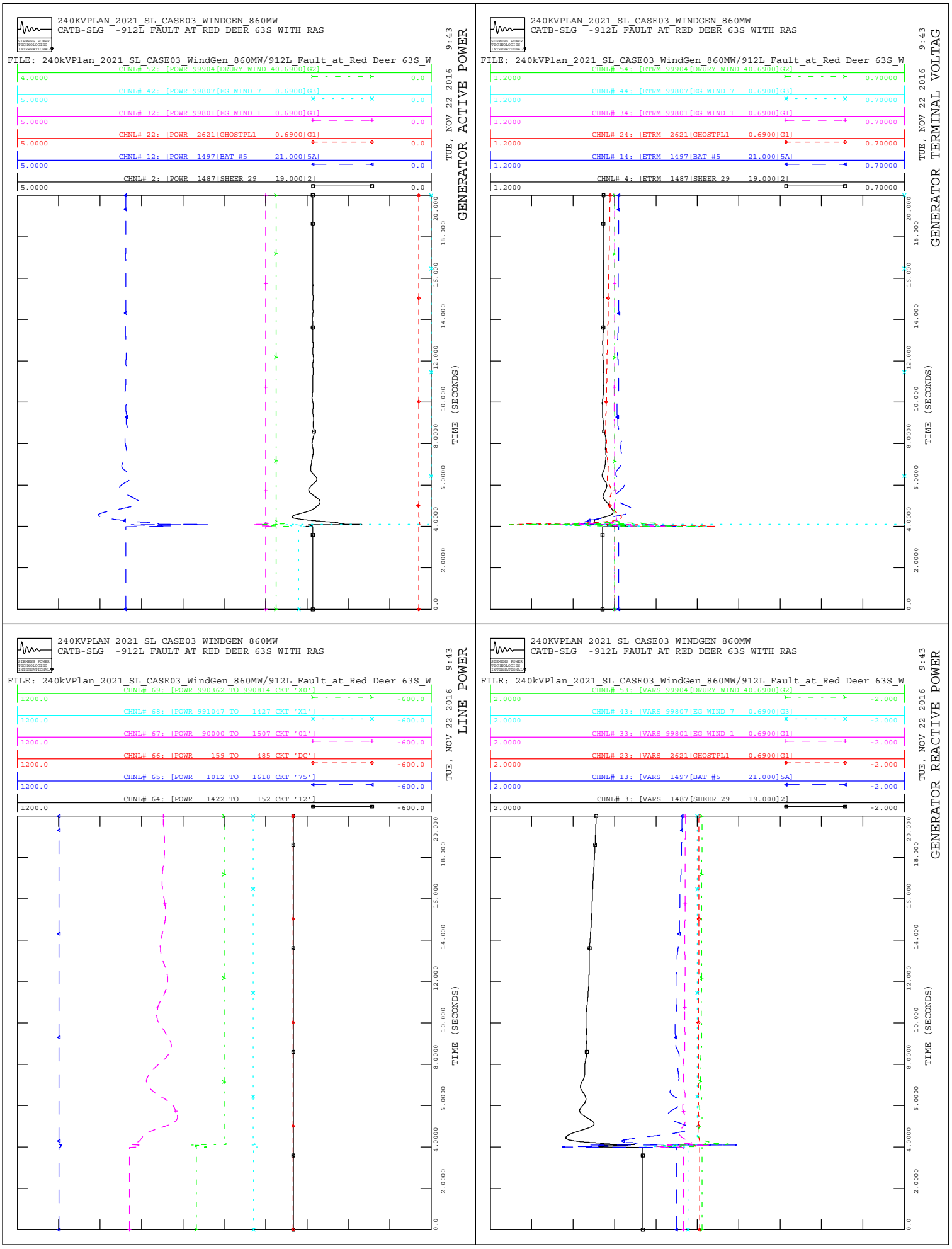
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

TUE, NOV 22 2016 9:43

MACHINE ANGEL



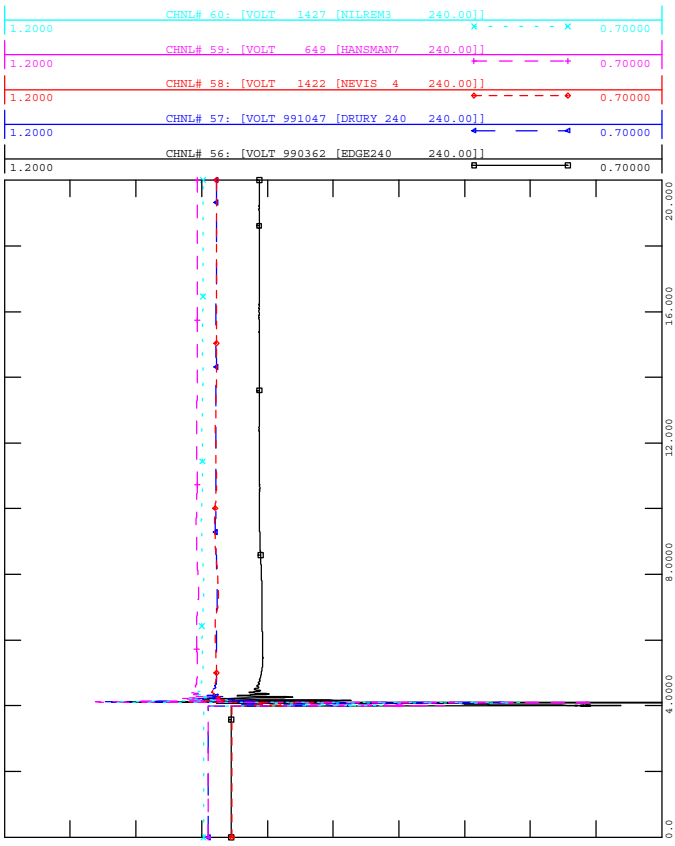

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
TUE, NOV 22 2016 9:43
GENERATOR ACTIVE POWER
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
TUE, NOV 22 2016 9:43
GENERATOR TERMINAL VOLTAG
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
TUE, NOV 22 2016 9:43
LINE POWER
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
TUE, NOV 22 2016 9:43
GENERATOR REACTIVE POWER
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

TUE, NOV 22 2016 9:43

BUS VOLTAGE

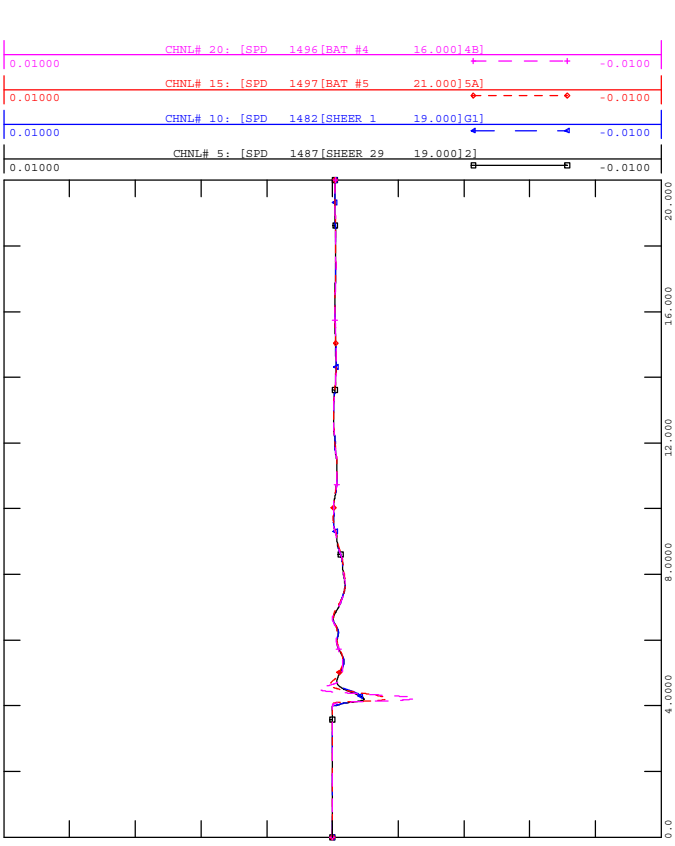


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

TUE, NOV 22 2016 9:43

MACHINE SPEED

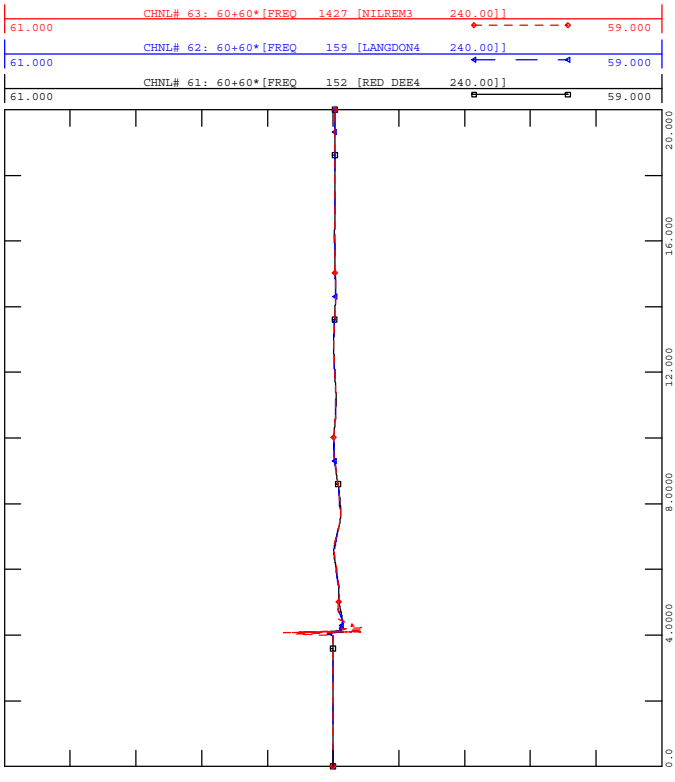


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

TUE, NOV 22 2016 9:43

FREQUENCY

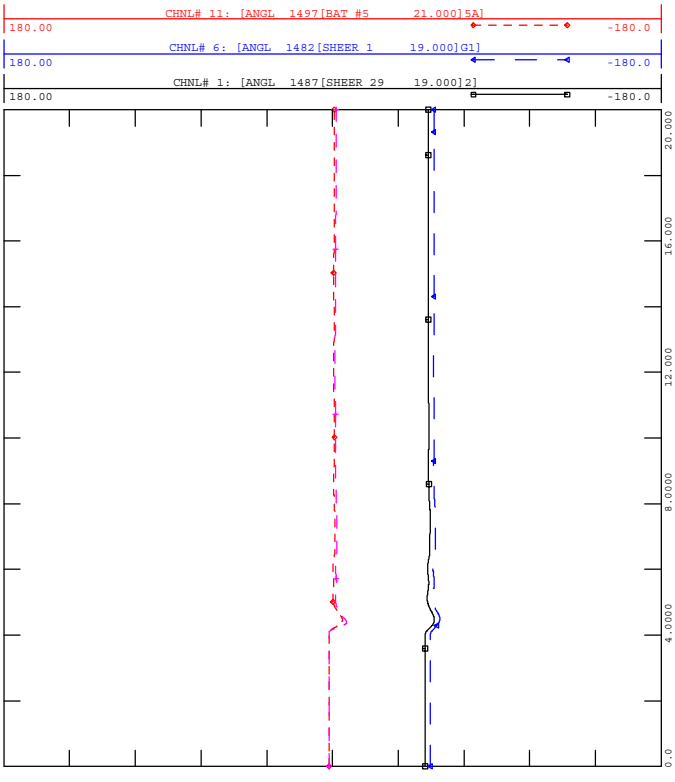


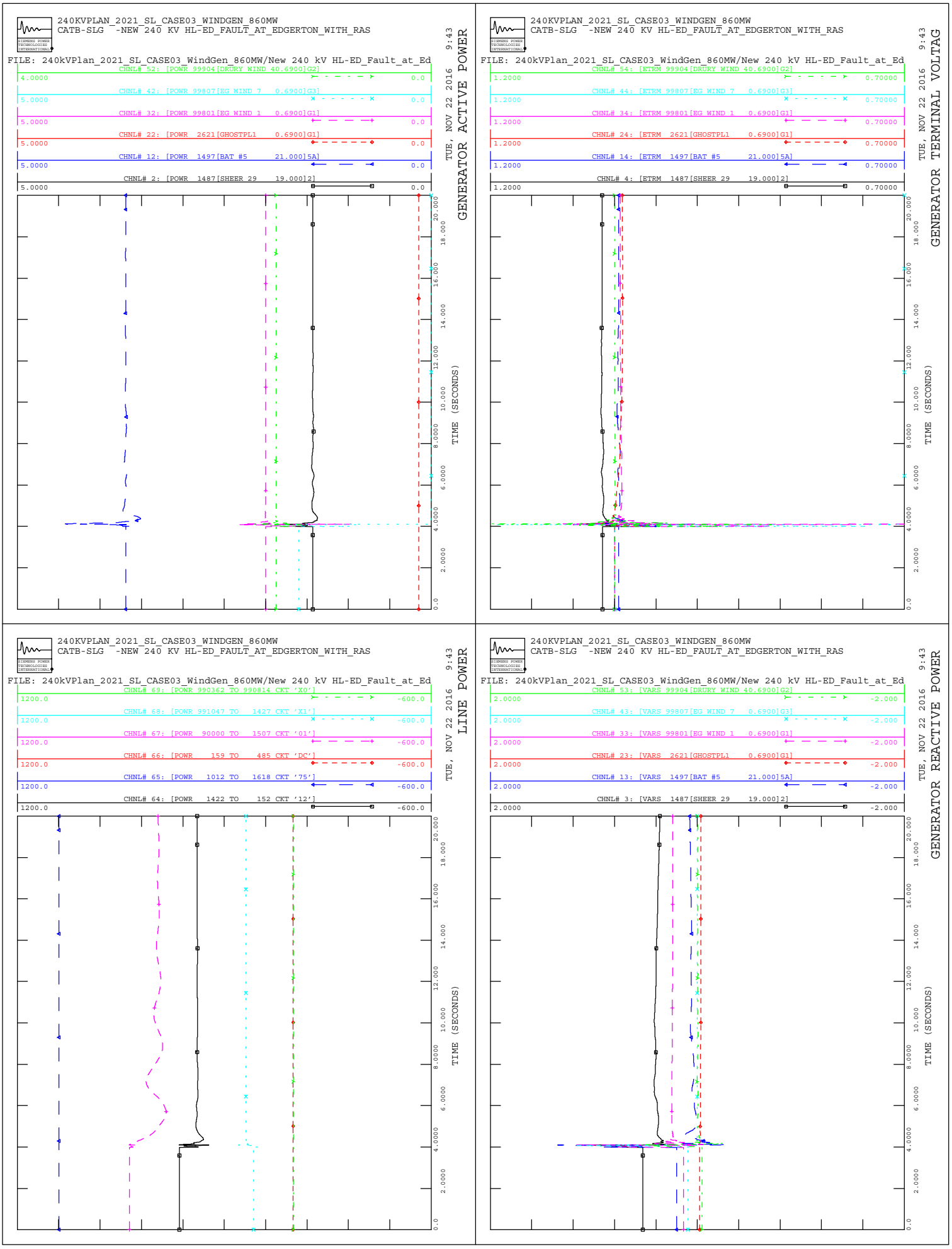
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

TUE, NOV 22 2016 9:43

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed
TUE, NOV 22 2016 9:43
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed
TUE, NOV 22 2016 9:43
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
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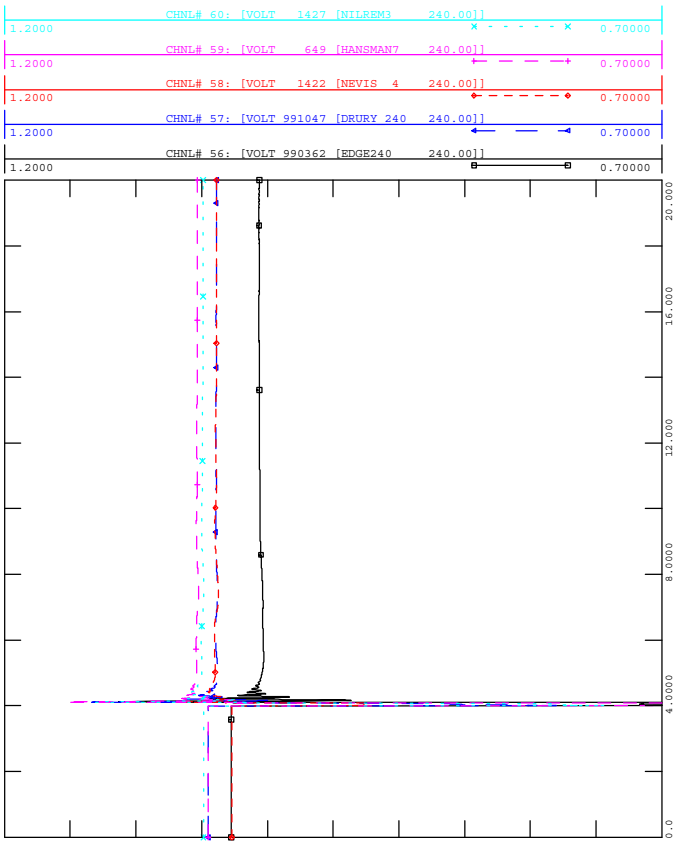
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed
TUE, NOV 22 2016 9:43
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed
TUE, NOV 22 2016 9:43
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

TUE, NOV 22 2016 9:43

BUS VOLTAGE

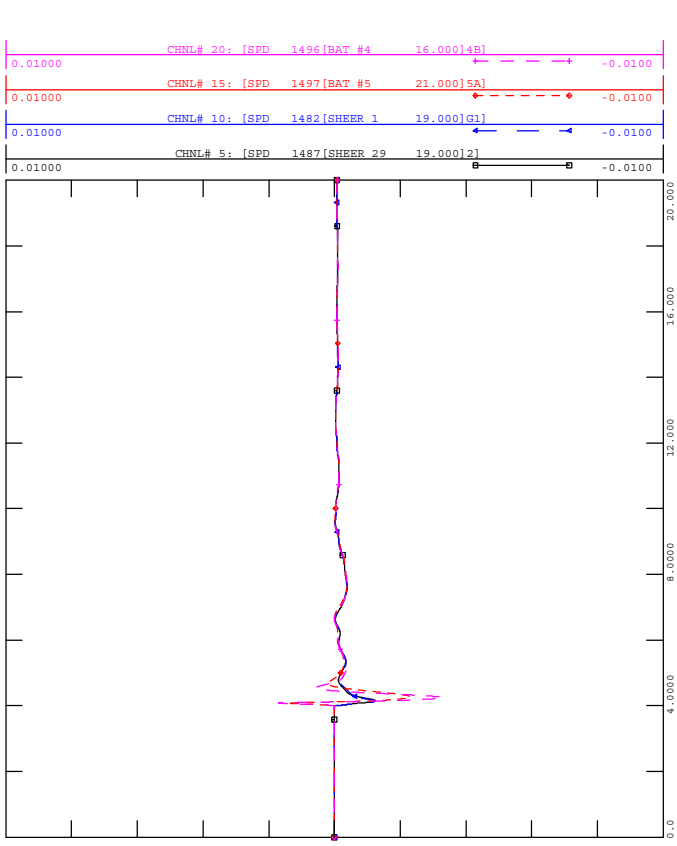


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

TUE, NOV 22 2016 9:43

MACHINE SPEED

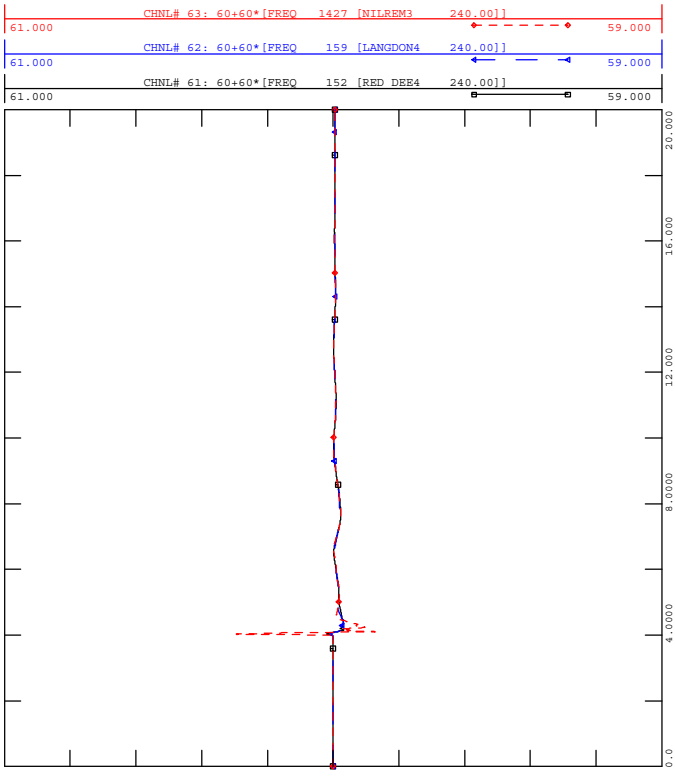


240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

TUE, NOV 22 2016 9:43

FREQUENCY

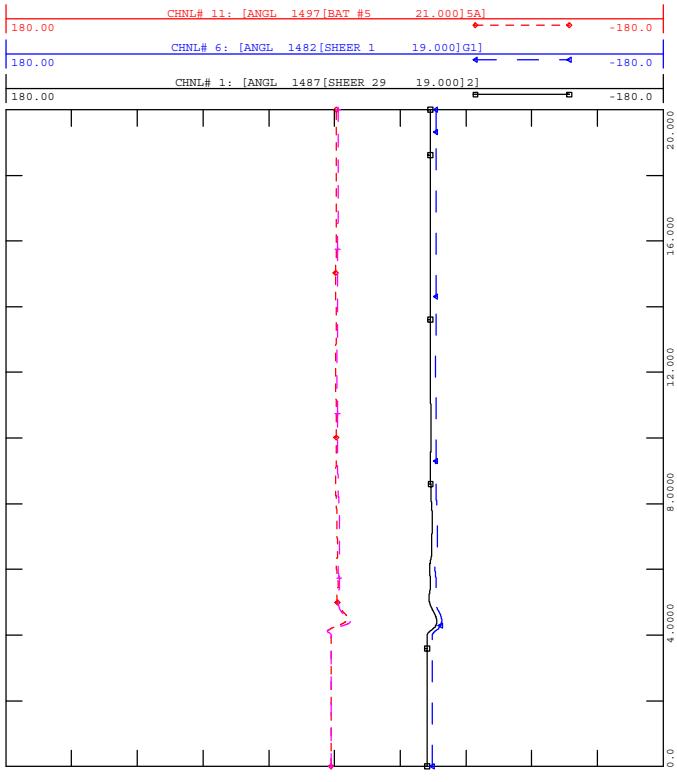


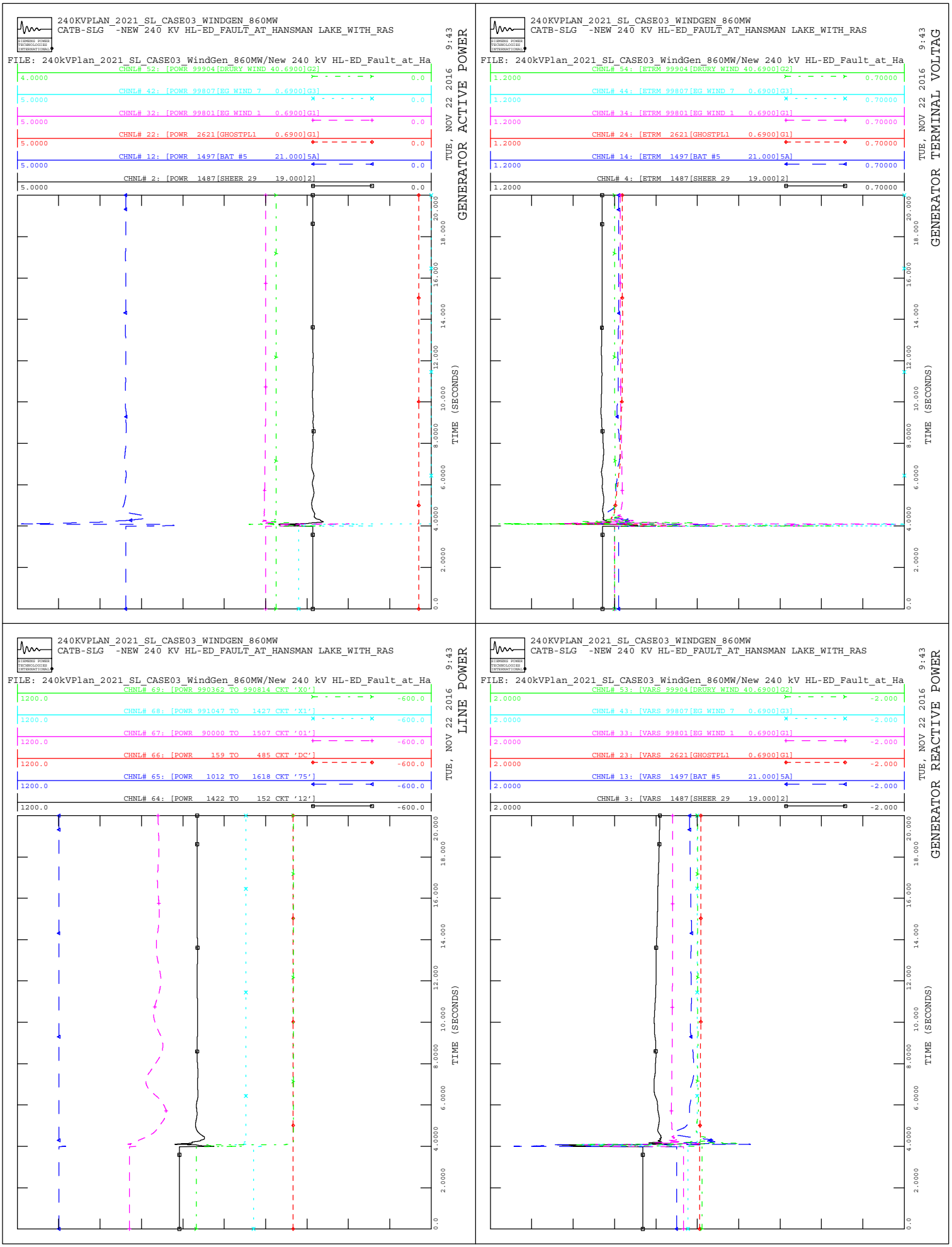
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

TUE, NOV 22 2016 9:43

MACHINE ANGEL




240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha
TUE, NOV 22 2016 9:43
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha
TUE, NOV 22 2016 9:43
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha
TUE, NOV 22 2016 9:43
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 90000 TO 1507 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
240KVPLAN_2021_SL_CASE03_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS
FILE: 240kVPlan_2021_SL_CASE03_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha
TUE, NOV 22 2016 9:43
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

Transient Stability Analysis Plots

Alternative 2 Energized at 240 kV

2021 Winter Peak

RAS Simulation: Trip Edgerton Wind Farm #3 (160 MW) Post-Contingency

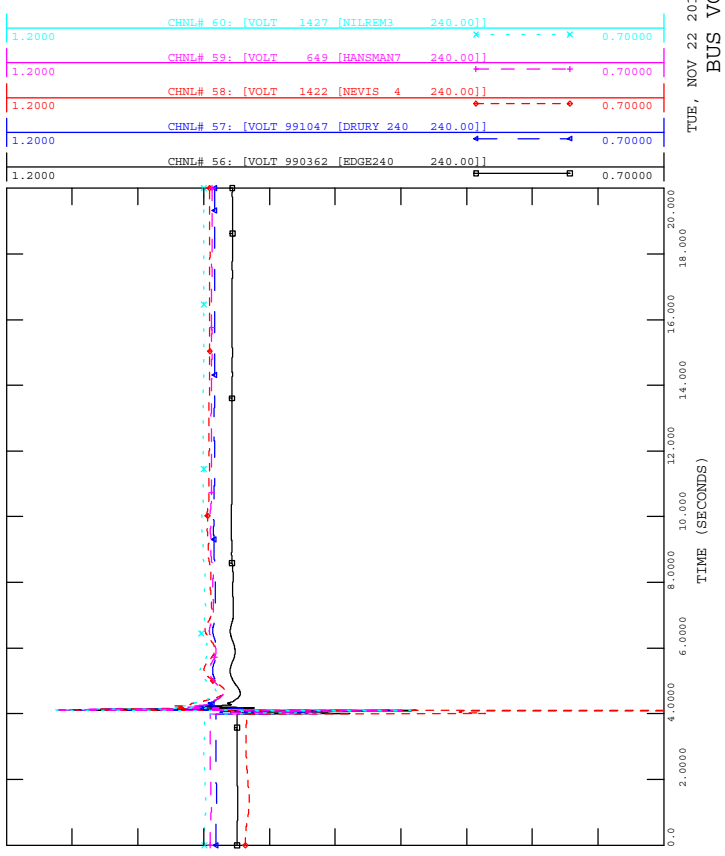
Category B (Single-line-to-ground Fault)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

TUE, NOV 22 2016 9:43

BUS VOLTAGE

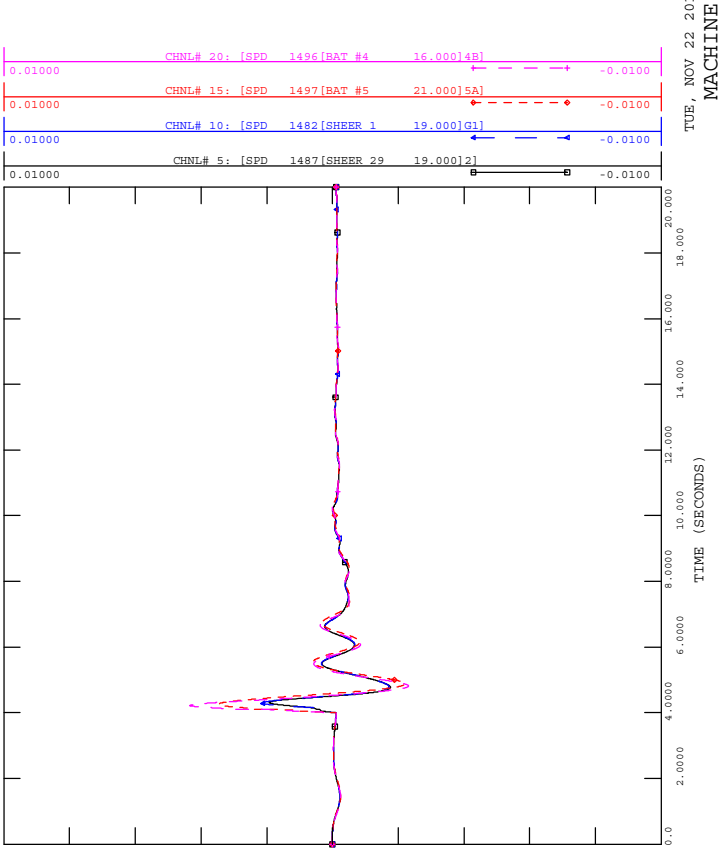


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

TUE, NOV 22 2016 9:43

MACHINE SPEED

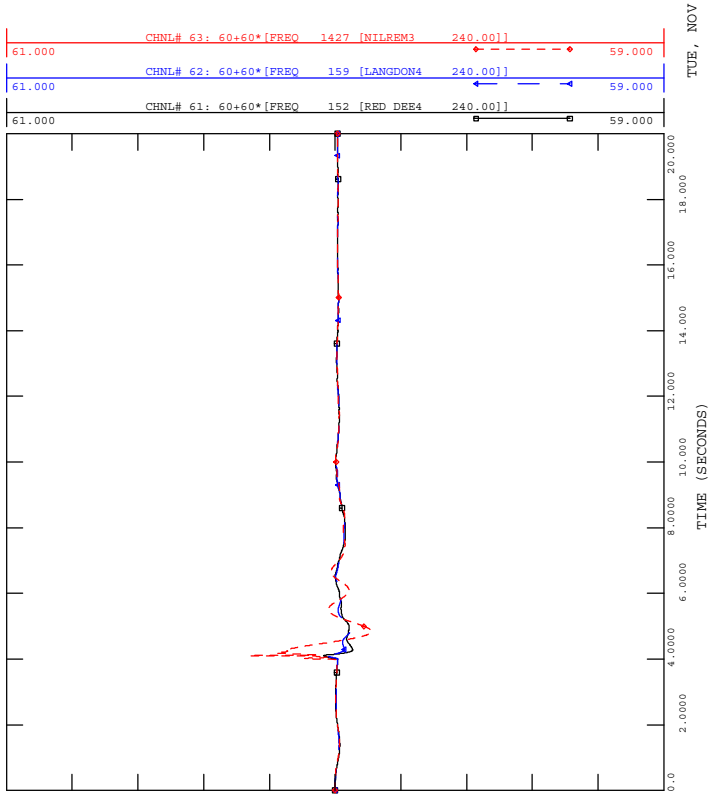


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

TUE, NOV 22 2016 9:43

FREQUENCY

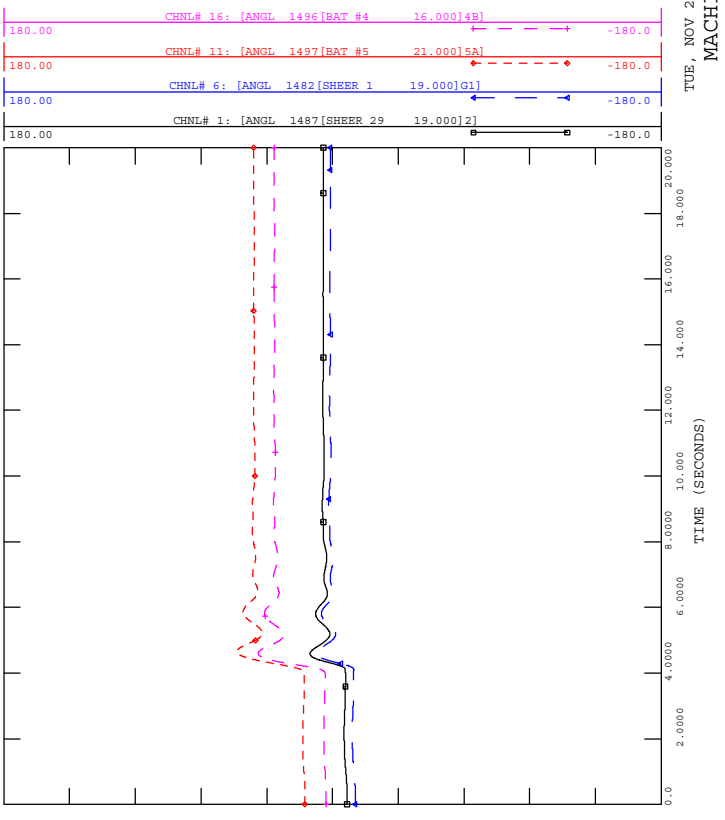


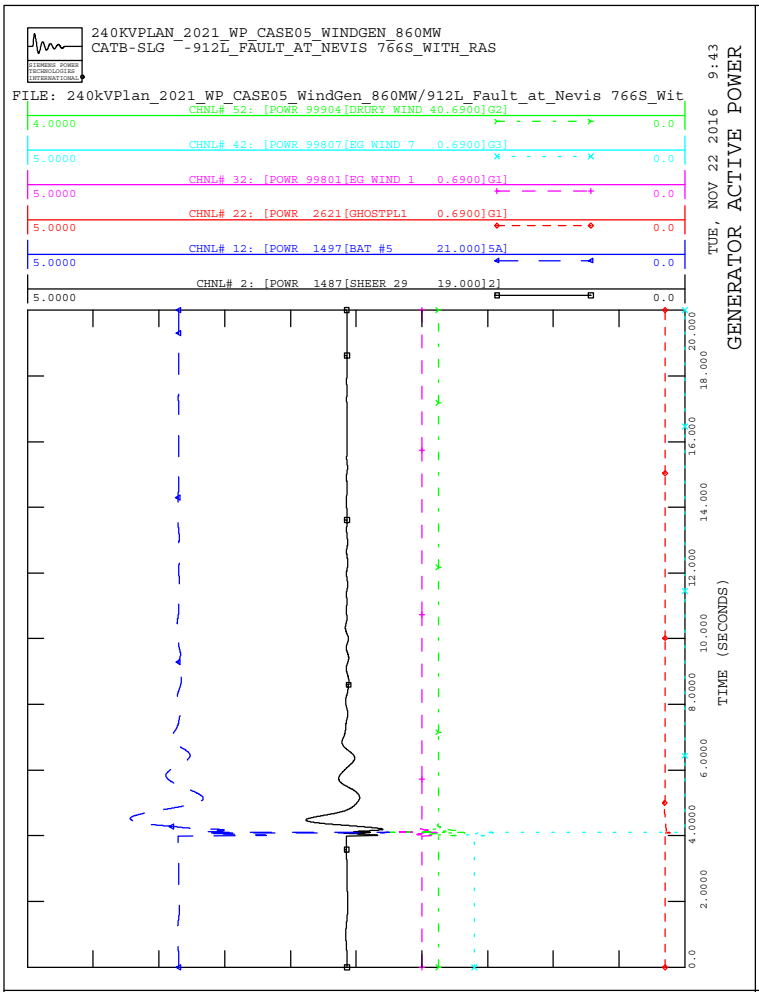
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS

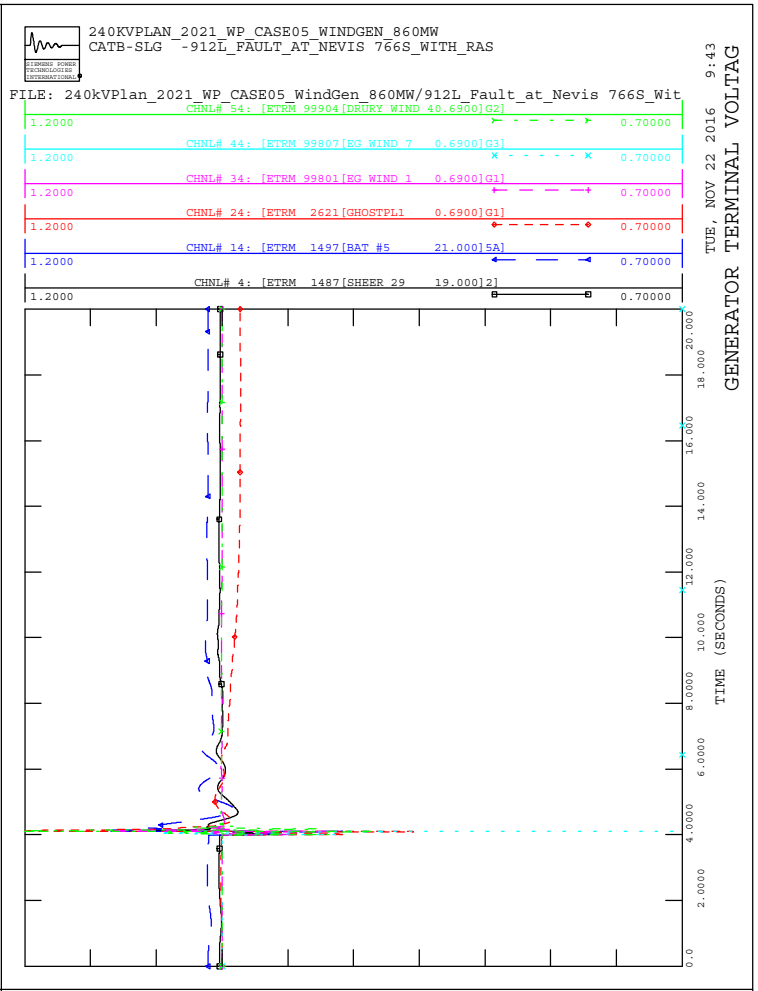
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit

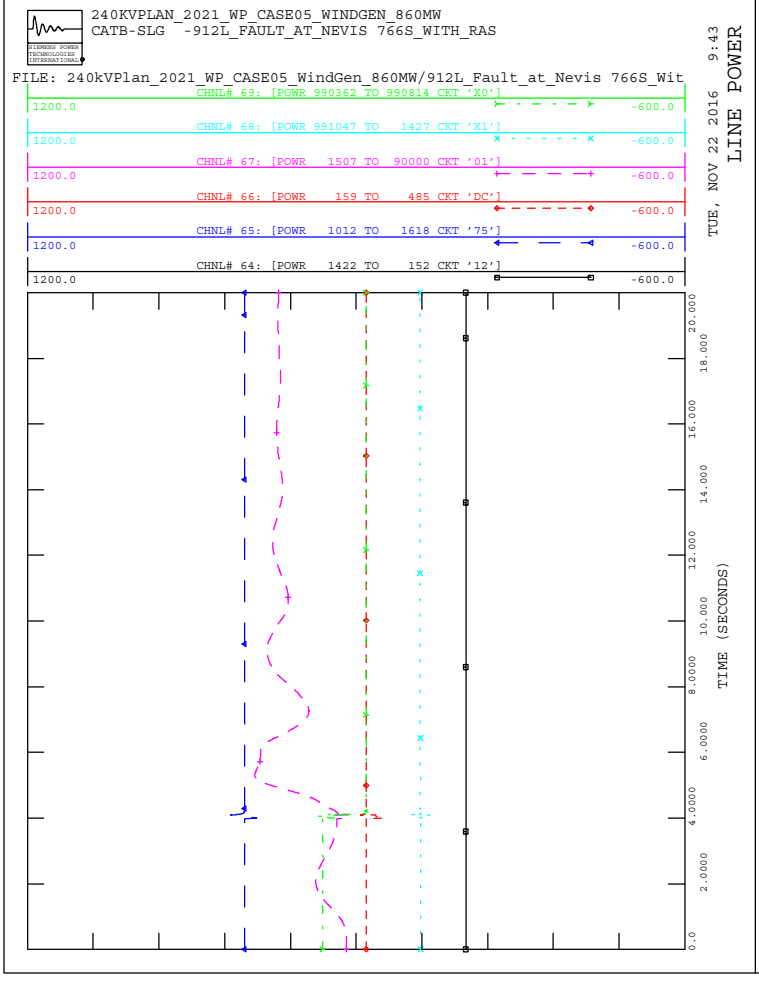
TUE, NOV 22 2016 9:43

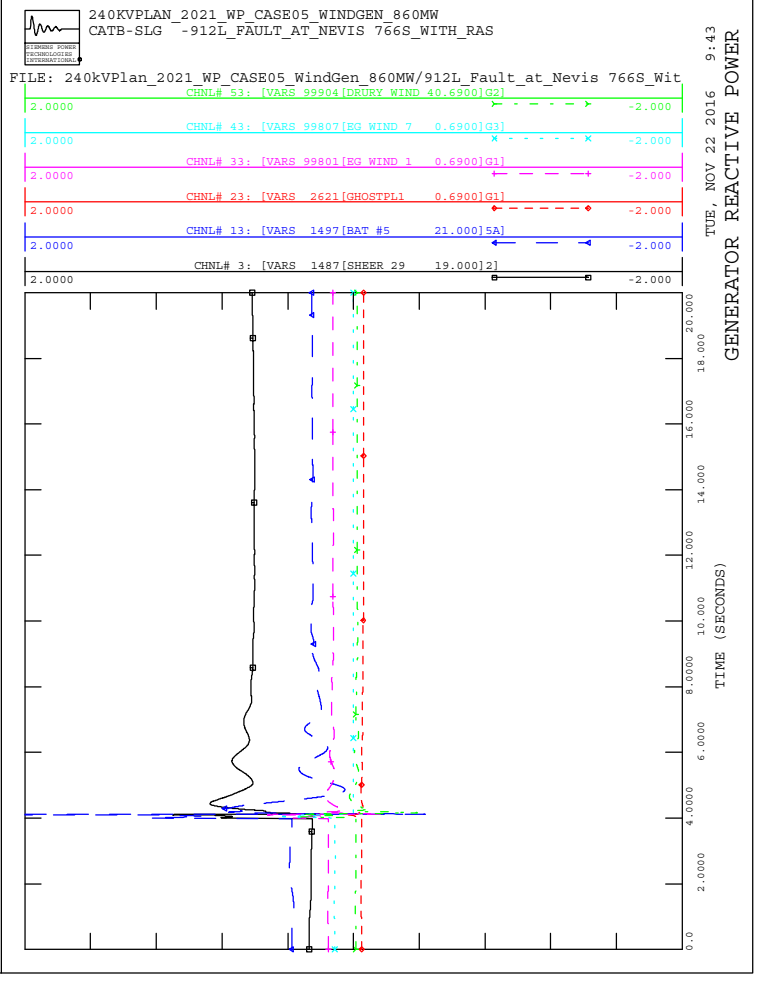
MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
TUE, NOV 22 2016 9:43
GENERATOR ACTIVE POWER


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
TUE, NOV 22 2016 9:43
GENERATOR TERMINAL VOLTAG


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
TUE, NOV 22 2016 9:43
LINE POWER

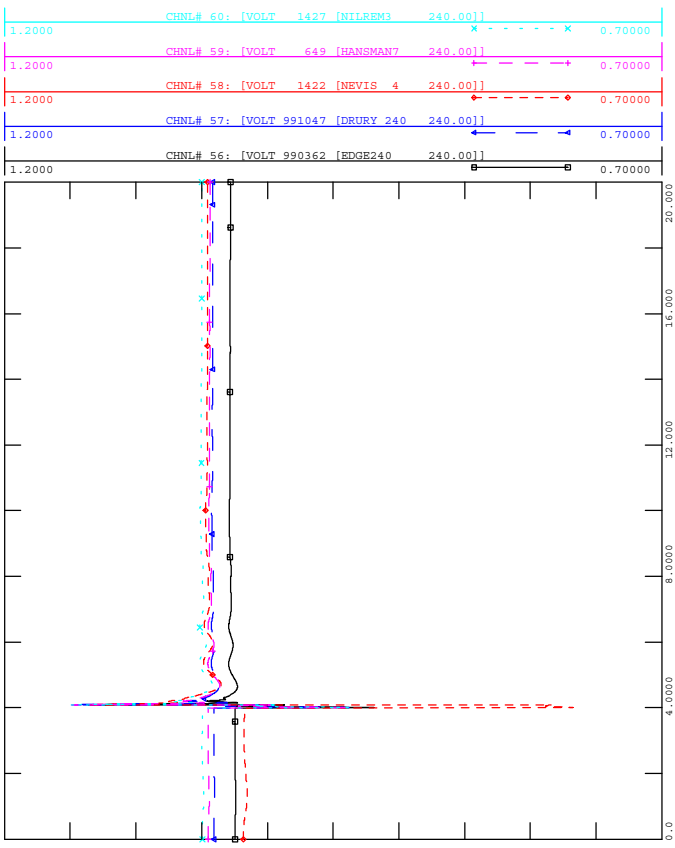

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_NEVIS 766S_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Nevis 766S_Wit
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)
TUE, NOV 22 2016 9:43
GENERATOR REACTIVE POWER

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

TUE, NOV 22 2016 9:43

BUS VOLTAGE

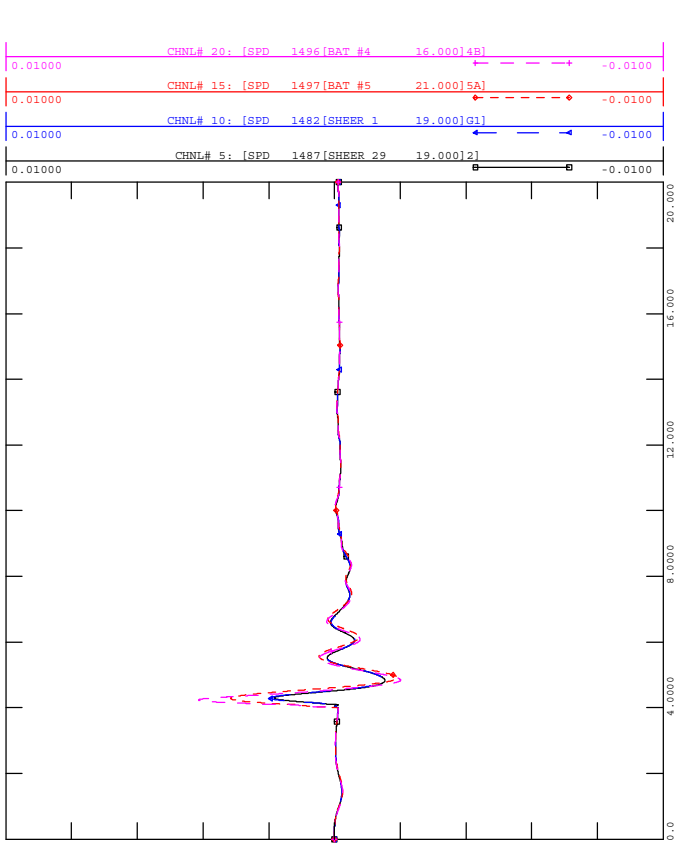


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

TUE, NOV 22 2016 9:43

MACHINE SPEED

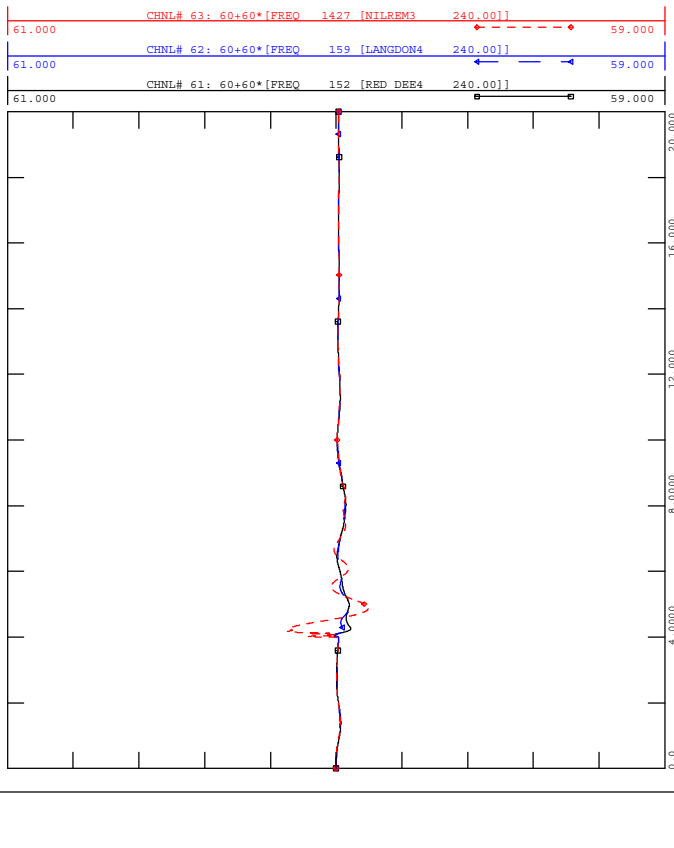


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

TUE, NOV 22 2016 9:43

FREQUENCY

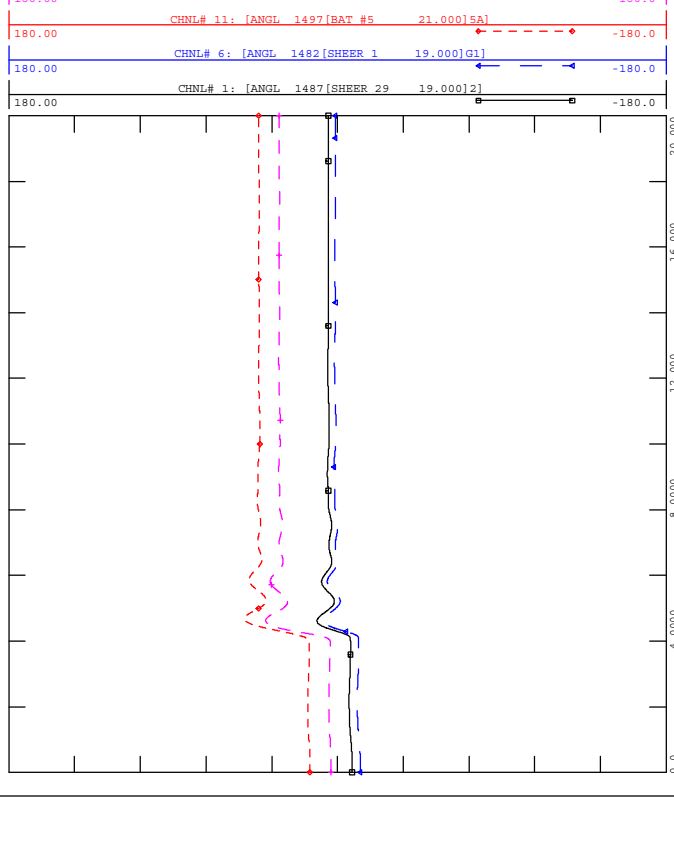


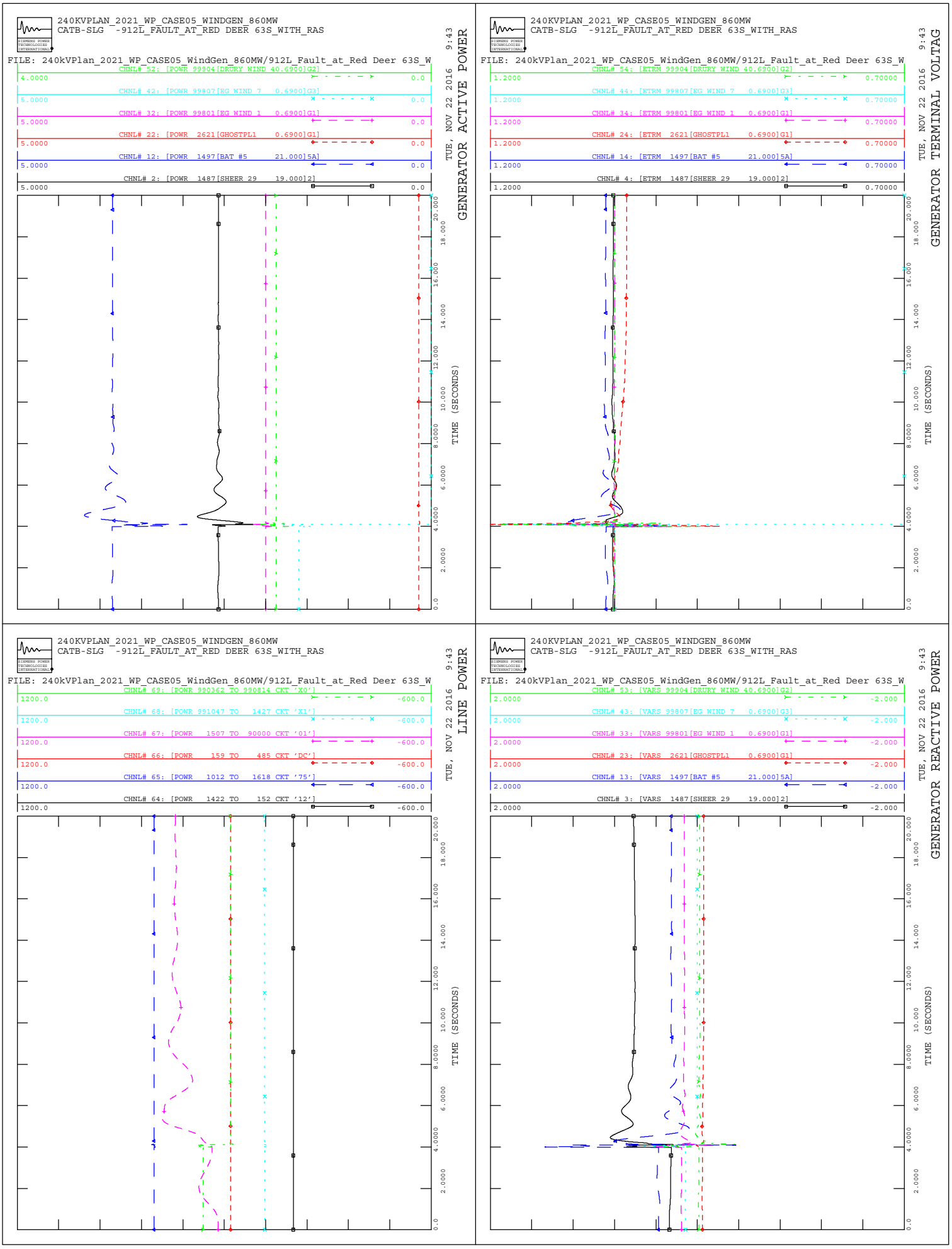
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S_W

TUE, NOV 22 2016 9:43

MACHINE ANGEL




240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
TUE, NOV 22 2016 9:43
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
TUE, NOV 22 2016 9:43
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
TUE, NOV 22 2016 9:43
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -912L_FAULT_AT_RED DEER 63S_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/912L_Fault_at_Red Deer 63S_W
TUE, NOV 22 2016 9:43
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

TUE, NOV 22 2016 9:43

BUS VOLTAGE

CHNL# 60: [VOLT 1427 [NILREM3 240.00]]
CHNL# 59: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 58: [VOLT 1422 [NEVIS 4 240.00]]
CHNL# 57: [VOLT 991047 [DRURY 240 240.00]]
CHNL# 56: [VOLT 990362 [EDGE240 240.00]]

1.2000 / 0.70000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

TUE, NOV 22 2016 9:43

MACHINE SPEED

CHNL# 20: [SPD 1496[BAT #4 16.000]4B]
CHNL# 15: [SPD 1497[BAT #5 21.000]5A]
CHNL# 10: [SPD 1482[SHEER 1 19.000]G1]
CHNL# 5: [SPD 1487[SHEER 29 19.000]2]

0.01000 / -0.0100

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

TUE, NOV 22 2016 9:43

FREQUENCY

CHNL# 63: 60+60*[FREQ 1427 [NILREM3 240.00]]
CHNL# 62: 60+60*[FREQ 159 [LANGDON4 240.00]]
CHNL# 61: 60+60*[FREQ 152 [RED DEE4 240.00]]

61.000 / 59.000

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed

TUE, NOV 22 2016 9:43

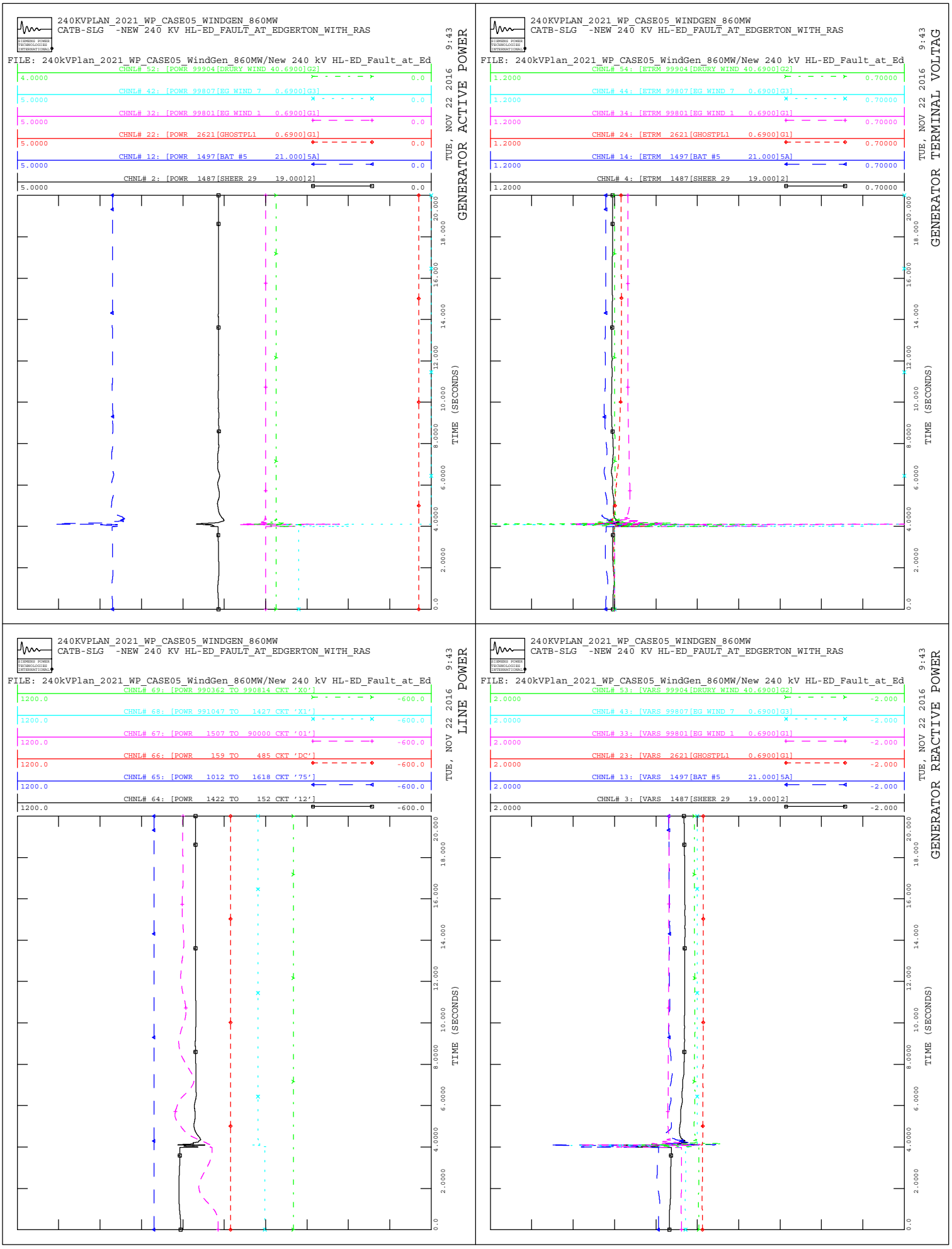
MACHINE ANGEL

CHNL# 16: [ANGL 1496[BAT #4 16.000]4B]
CHNL# 11: [ANGL 1497[BAT #5 21.000]5A]
CHNL# 6: [ANGL 1482[SHEER 1 19.000]G1]
CHNL# 1: [ANGL 1487[SHEER 29 19.000]2]

180.00 / -180.0

TIME (SECONDS)

0.0 2.0000 4.0000 6.0000 8.0000 10.000 12.000 14.000 16.000 18.000 20.000

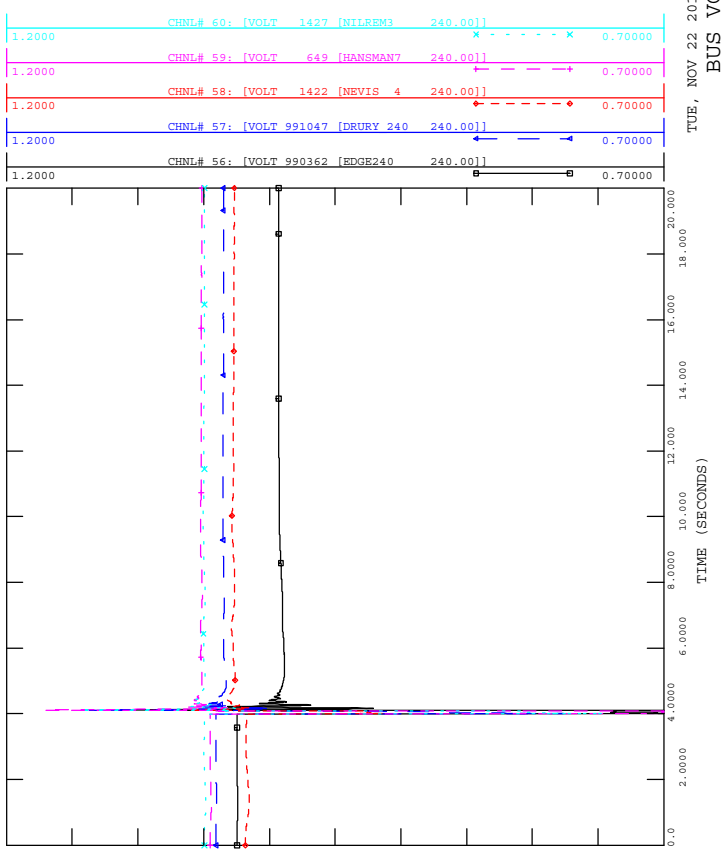

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed
TUE, NOV 22 2016 9:43
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed
TUE, NOV 22 2016 9:43
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed
TUE, NOV 22 2016 9:43
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_EDGERTON_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ed
TUE, NOV 22 2016 9:43
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

TUE, NOV 22 2016 9:43

BUS VOLTAGE

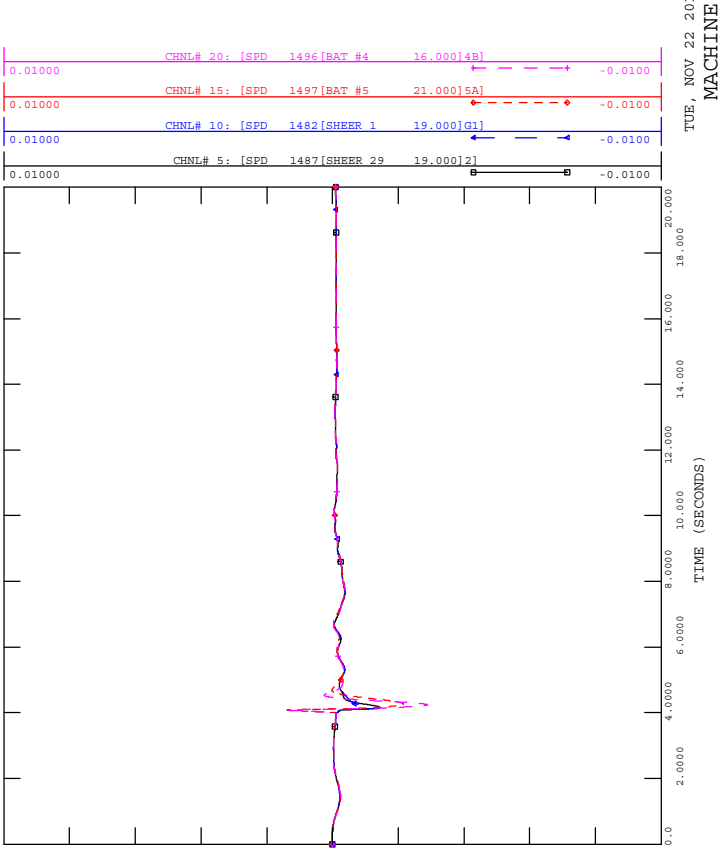


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

TUE, NOV 22 2016 9:43

MACHINE SPEED



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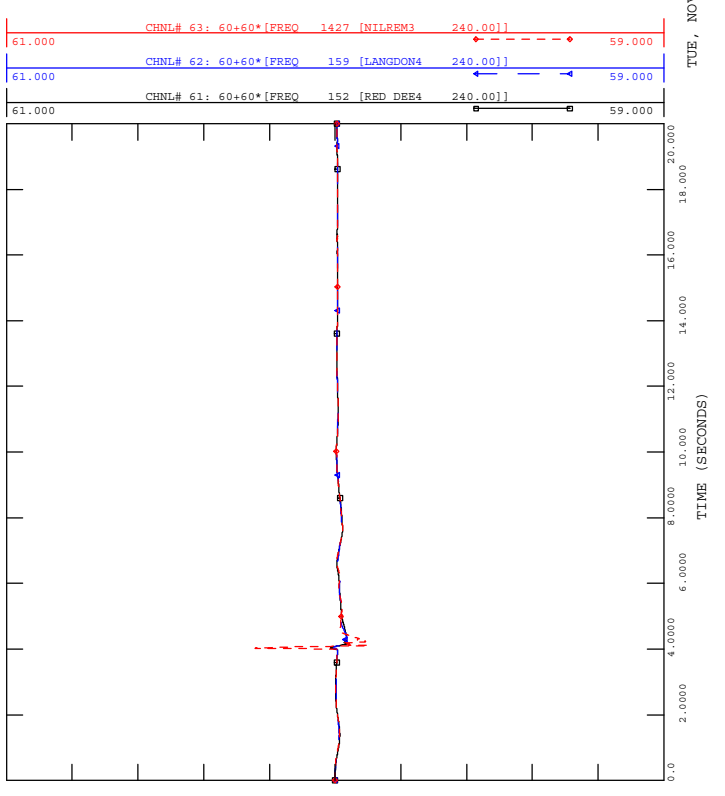
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

TUE, NOV 22 2016 9:43

FREQUENCY

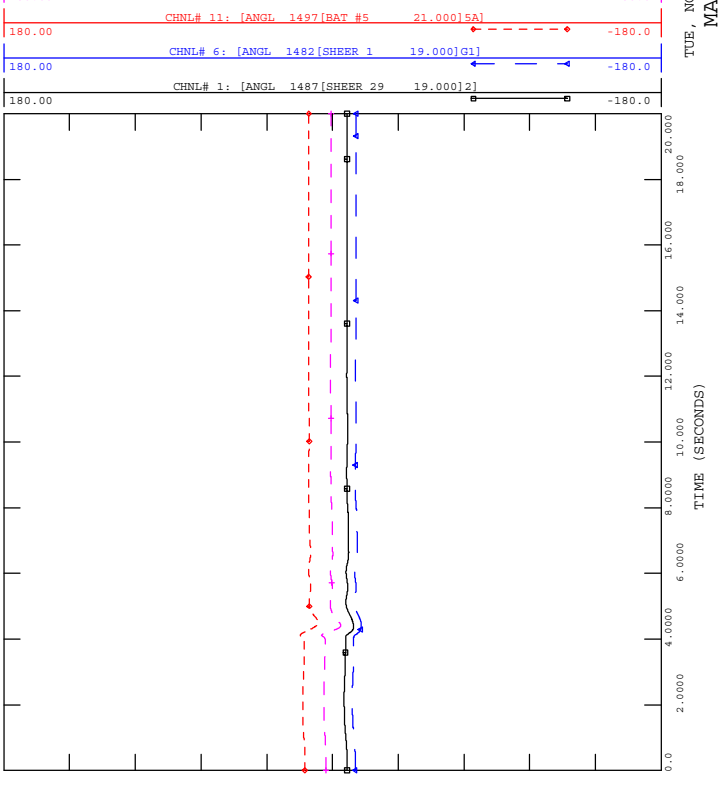


240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS

FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha

TUE, NOV 22 2016 9:43

MACHINE ANGEL



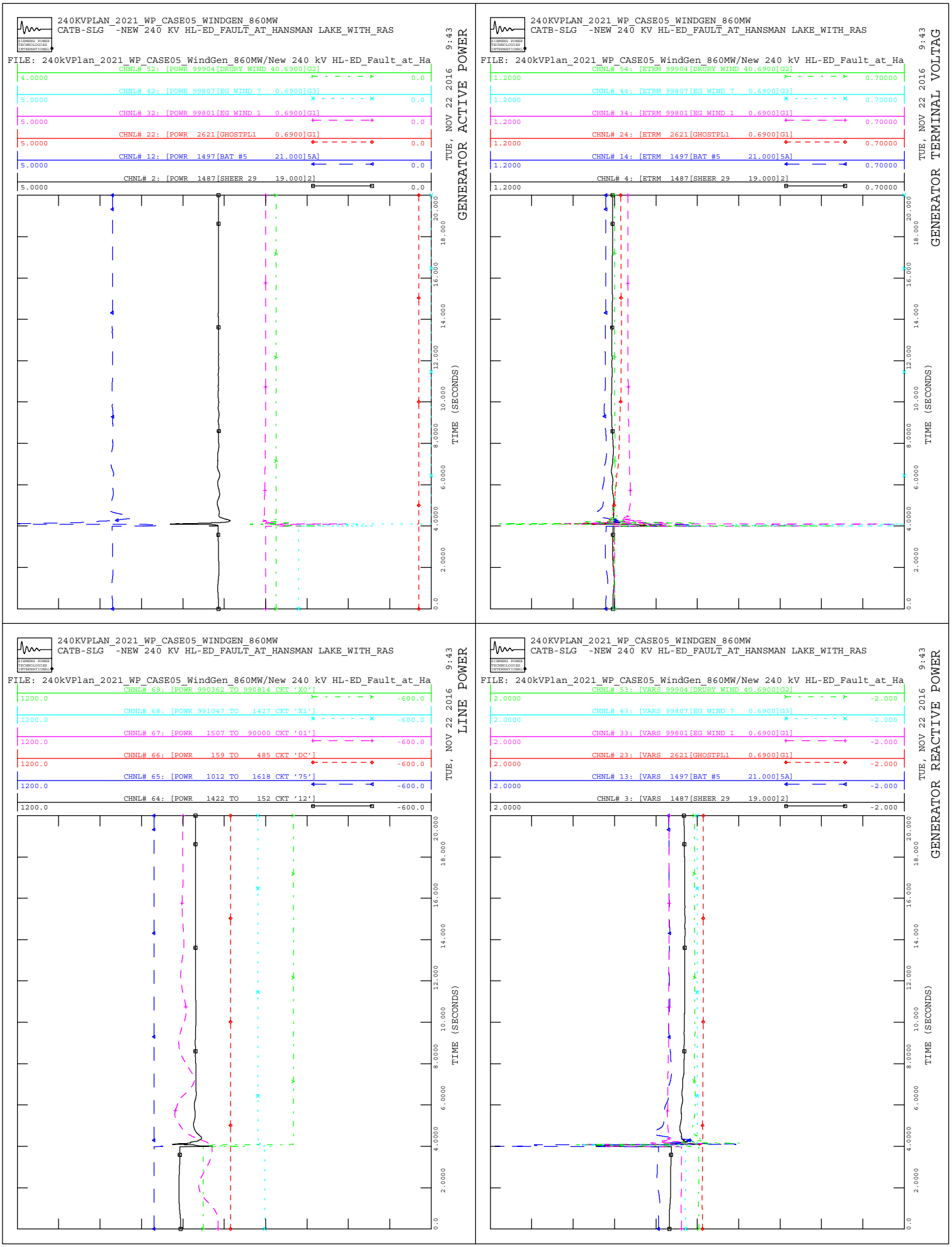

240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha
TUE, NOV 22 2016 9:43
GENERATOR ACTIVE POWER
CHNL# 52: [POWR 99904[DRURY WIND 40.6900]G2]
CHNL# 42: [POWR 99807[EG WIND 7 0.6900]G3]
CHNL# 32: [POWR 99801[EG WIND 1 0.6900]G1]
CHNL# 22: [POWR 2621[GHOSTPL1 0.6900]G1]
CHNL# 12: [POWR 1497[BAT #5 21.000]5A]
CHNL# 2: [POWR 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha
TUE, NOV 22 2016 9:43
GENERATOR TERMINAL VOLTAG
CHNL# 54: [ETRM 99904[DRURY WIND 40.6900]G2]
CHNL# 44: [ETRM 99807[EG WIND 7 0.6900]G3]
CHNL# 34: [ETRM 99801[EG WIND 1 0.6900]G1]
CHNL# 24: [ETRM 2621[GHOSTPL1 0.6900]G1]
CHNL# 14: [ETRM 1497[BAT #5 21.000]5A]
CHNL# 4: [ETRM 1487[SHEER 29 19.000]2]
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha
TUE, NOV 22 2016 9:43
LINE POWER
CHNL# 69: [POWR 990362 TO 990814 CKT 'X0']
CHNL# 68: [POWR 991047 TO 1427 CKT 'X1']
CHNL# 67: [POWR 1507 TO 90000 CKT '01']
CHNL# 66: [POWR 159 TO 485 CKT 'DC']
CHNL# 65: [POWR 1012 TO 1618 CKT '75']
CHNL# 64: [POWR 1422 TO 152 CKT '12']
TIME (SECONDS)
240KVPLAN_2021_WP_CASE05_WINDGEN_860MW
CATB-SLG -NEW 240 KV HL-ED_FAULT_AT_HANSMAN LAKE_WITH_RAS
FILE: 240kVPlan_2021_WP_CASE05_WindGen_860MW/New 240 kV HL-ED_Fault_at_Ha
TUE, NOV 22 2016 9:43
GENERATOR REACTIVE POWER
CHNL# 53: [VARS 99904[DRURY WIND 40.6900]G2]
CHNL# 43: [VARS 99807[EG WIND 7 0.6900]G3]
CHNL# 33: [VARS 99801[EG WIND 1 0.6900]G1]
CHNL# 23: [VARS 2621[GHOSTPL1 0.6900]G1]
CHNL# 13: [VARS 1497[BAT #5 21.000]5A]
CHNL# 3: [VARS 1487[SHEER 29 19.000]2]
TIME (SECONDS)

Table E-1: Selected Contingencies Power Flow Plots for Alternative 2@240 kV in 2021 Summer Light

Figure	Scenario	Alternative	System Status	Contingency
E-1	Scenario 3	Alt 2 @ 240kV	Category B	EATL
E-2	Scenario 3	Alt 2 @ 240kV	Category B	EATL (with RAS Tripping 460 MW Wind Generation)
E-3	Scenario 3	Alt 2 @ 240kV	Category B	9L20
E-4	Scenario 3	Alt 2 @ 240kV	Category B	9L20 (with RAS Tripping 460 MW Wind Generation)
E-5	Scenario 3	Alt 2 @ 240kV	Category B	New 240 kV Line Hansman Lake to Edgerton
E-6	Scenario 3	Alt 2 @ 240kV	Category B	New 240 kV Line Hansman Lake to Edgerton (with RAS Tripping 420 MW Wind Generation)

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 29	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	96.30 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	0.00 MW

SOK-240: -401.23 MW
+ 0.35 x -665.95 MW

Drury Wind: 300.00 MW

Edgerton Wind: 560.00 MW

FIG E-1
SCENARIO 3 - 3 LINES OPEN - EATL TRIP (N-1)
THU, DEC 15 2016 19:17

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 29	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	-256.59 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-0.00 MW
WATL	-0.00 MW

SOK-240: -400.78 MW
+ 0.35 x -519.84 MW

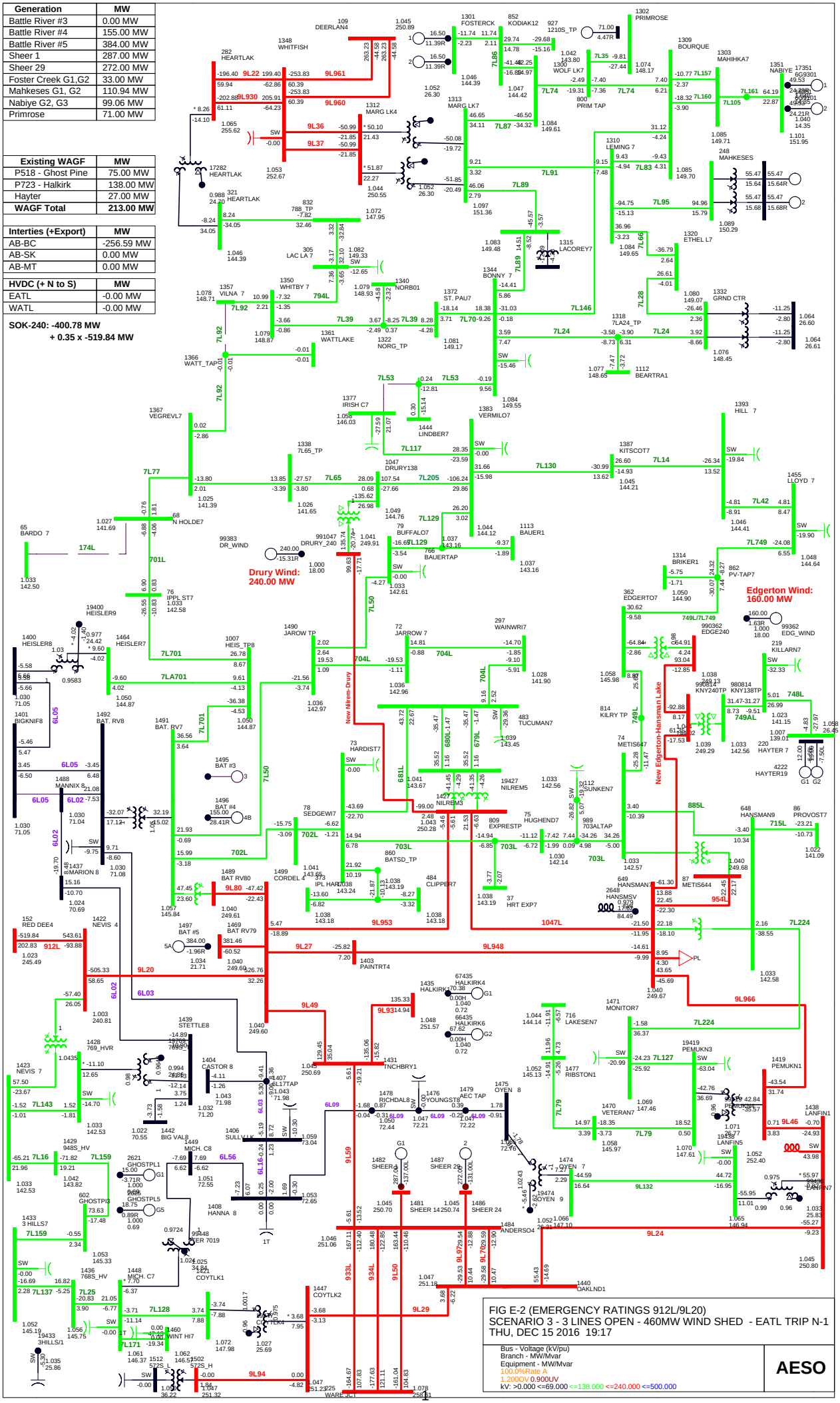


FIG E-2 (EMERGENCY RATINGS 912L/9L20)
SCENARIO 3 - 3 LINES OPEN - 460MW WIND SHED - EATL TRIP N-1
THU, DEC 15 2016 19:17

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 29	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	74.70 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-958.87 MW
WATL	-0.00 MW

SOK-240: 552.30 MW
+ 0.35 x -98.92 MW

Drury Wind: 300.00 MW

Edgerton Wind: 560.00 MW

FIG E-3
SCENARIO 3 - 3 LINES OPEN - 9L20 (N-1)
THU, DEC 15 2016 19:17

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 29	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	27.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	-265.42 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-958.87 MW
WATL	-0.00 MW

SOK-240: 552.50 MW
+ 0.35 x -60.87 MW

Drury Wind: 140.00 MW

Edgerton Wind: 260.00 MW

FIG E-4
SCENARIO3 - 3 LINES OPEN - 460MW WIND SHED - 9L20 (N-1)
THU, DEC 15 2016 19:18

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 29	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	0.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	66.86 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-958.87 MW
WATL	0.00 MW

SOK-240: 553.50 MW
+ 0.35 x -421.05 MW

Drury Wind:
300.00 MW

Edgerton Wind:
560.00 MW

FIG E-5
SCENARIO 3 - 3 LINES OPEN - NEW 240KV HL - EG (N-1)
THU, DEC 15 2016 19:18

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO

Generation	MW
Battle River #3	0.00 MW
Battle River #4	155.00 MW
Battle River #5	384.00 MW
Sheer 1	287.00 MW
Sheer 29	272.00 MW
Foster Creek G1,G2	33.00 MW
Mahkeses G1, G2	110.94 MW
Nabiye G2, G3	99.06 MW
Primrose	71.00 MW

Existing WAGF	MW
P518 - Ghost Pine	75.00 MW
P723 - Halkirk	138.00 MW
Hayter	0.00 MW
WAGF Total	**213.00 MW**

Interties (+Export)	MW
AB-BC	-183.83 MW
AB-SK	0.00 MW
AB-MT	0.00 MW

HVDC (+ N to S)	MW
EATL	-958.87 MW
WATL	-0.00 MW

SOK-240: 553.48 MW
+ 0.35 x -306.02 MW

Drury Wind: 300.00 MW

Edgerton Wind: 140.00 MW

FIG E-6
SCENARIO3 - 3 LINES OPEN - 420MW WIND SHED -240KV HL-EG(N-1)
THU, DEC 15 2016 19:18

Bus - Voltage (kV/pu)
Branch - MW/Mvar
Equipment - MW/Mvar
100.0%Rate A
1.200OV 0.900UV
kV: >0.000 <=69.000 <=138.000 <=240.000 <=500.000

AESO